State of Wyoming

Administration & Information
Construction Management

STATE CAPITOL REHABILITATION AND RENOVATION / CAPITOL SQUARE PROJECT

SERIES 2 - WYOMING STATE CAPITOL

SD OWNER REVIEW

Capitol Square
Rehabilitation and Restoration

HDR PDP RA

LEVEL III SCHEMATIC DESIGN DRAWING SET

December 19, 2014

PRELIMINARY - NOT FOR CONSTRUCTION

2GG000

Schematic Design

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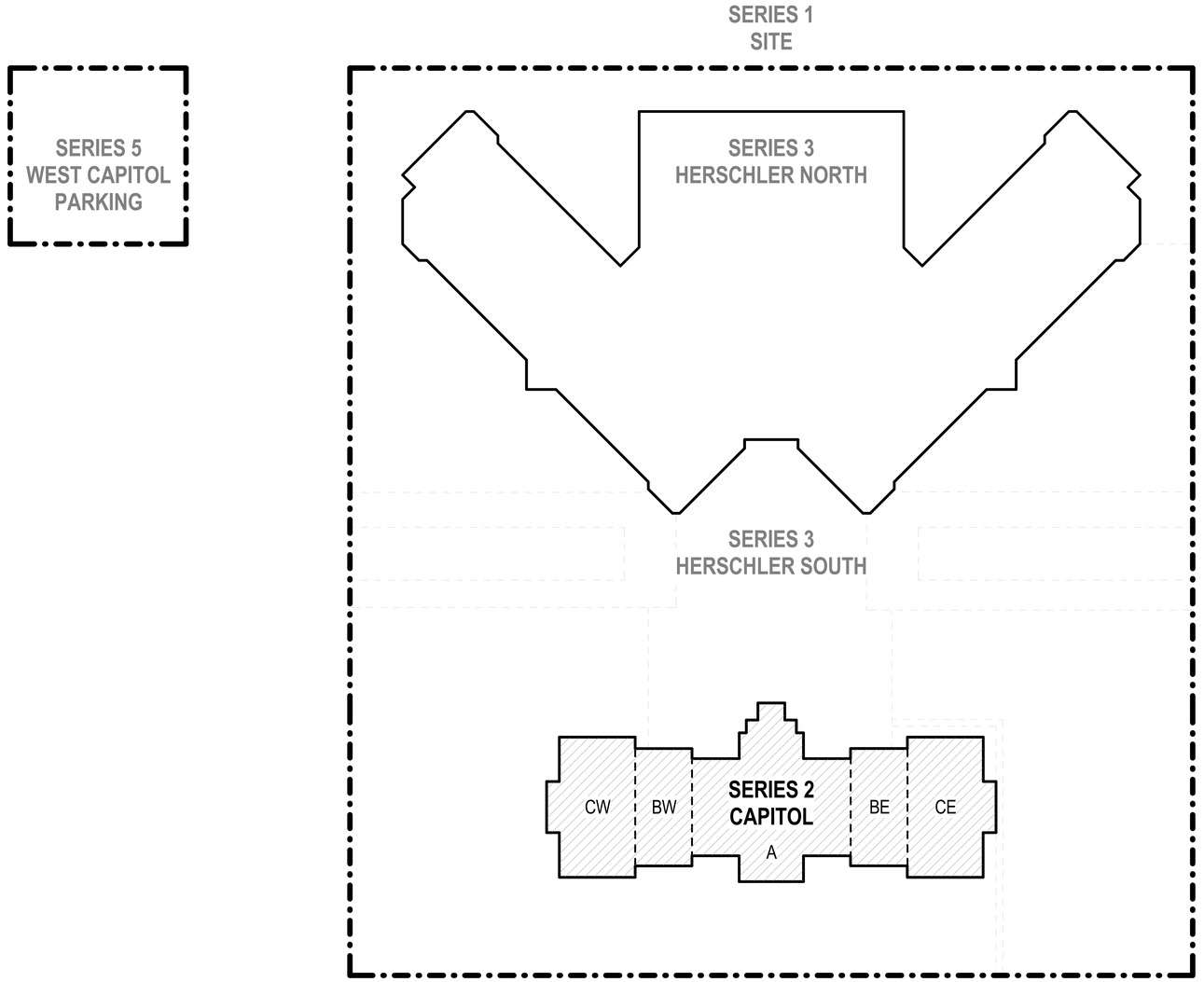

DRAWING SERIES KEY PLAN

PN TN

TWO-CHARACTER DISCIPLINE IDENTIFIERS

General
- GG Cover Sheet and Organization Plan
- GI General Index and Information
- GC General Code
- GL Life Safety

Civil
- CE Civil Existing
- CD Civil Demolition
- CG Civil Grading
- CS Civil Site
- CI Civil Site Improvement Overall
- CU Civil Utilities

Landscape
- LS Landscape Site

Structural
- SF Structural As Found
- ST Structural

Architectural
- AS Architectural Site
- AF Architectural As Found
- AP Architectural Preservation Zones
- AD Architectural Selective Removal or Demolition
- AE Architectural Exteriors
- AI Architectural Interiors
- AC Architectural Ceilings
- AR Architectural Roof

Fire and Life Safety
- FI Fire Alarm and Protection Index and Abbreviations
- FA Fire Alarm
- FP Fire Protection
- FX Fire Alarm and Protection Details, Diagrams, Schematics, and Schedules

Plumbing
- PI Plumbing Index and Abbreviations
- PD Plumbing Selective Removal or Demolition
- PP Plumbing Piping
- PG Plumbing Gas
- PX Plumbing Details, Diagrams, and Schedules

Mechanical
- MI Mechanical Index and Abbreviations
- MD Mechanical Selective Removal or Demolition
- MH Mechanical HVAC
- MP Mechanical Piping
- MX Mechanical Details, Diagrams, and Schedules

Electrical
- EI Electrical Index and Abbreviations
- ED Electrical Selective Removal or Demolition
- ES Electrical Site
- EL Electrical Lighting
- EP Electrical Power
- EC Electrical Communications
- EY Electrical Security
- EX Electrical Details, Diagrams, Schematics, and Schedules.

Interiors
- IN Interiors (Finishes)
- IA Interior Artwork
- IC Interior Casework
- IF Interior Furnishings

THREE-DIGIT SHEET NUMBERS

100-series overall floor plans
110-series area floor plans
150-series overall ceiling plans
160-series area ceiling plans

200-series overall building elevations
210-series area building elevations

300-series overall building sections
310-series area building sections
350-series wall sections

400-series correlated detail plans, interior elevations, and sections

500-series general details
510-series plan details
530-series elevation details
550-series section details

600-series types
610-series diagrams and schematics
630-series schedules

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Capitol Square
Rehabilitation and Restoration

HDR PDP RA

MARK	DATE	DESCRIPTION
1	2014/12/19	SD OWNER REVIEW

PROJECT NUMBER	203619
ORIGINAL ISSUE	- - -
PKG. IDENTIFIER	2

DRAWINGS SERIES KEY PLAN

SCALE NO SCALE

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- GENERAL -

Sheet Number	Sheet Name
2GG000	COVER SHEET
2GI000	DRAWINGS SERIES KEY PLAN
2GI001	DRAWING SHEET INDEX
2GI003	AXONOMETRIC VICINITY AS FOUND CAPITOL SQUARE

- LANDSCAPE -

Sheet Number	Sheet Name
2LR200	TREE ASSESSMENT AND REMOVALS PLAN (CAPITOL)
2LL200	LAYOUT PLAN (CAPITOL)
2LM200	MATERIALS PLAN (CAPITOL)
2LG200	GRADING PLAN (RAMPS)
2LP200	LANDSCAPE PLAN (CAPITOL)
2LD200	LANDSCAPE DETAILS (Capitol)

- STRUCTURAL -

Sheet Number	Sheet Name
2SF090	AS FOUND FOUNDATION
2SF100	AS FOUND GARDEN LEVEL
2SF101	AS FOUND FIRST FLOOR
2SF102	AS FOUND SECOND FLOOR
2SF103	AS FOUND THIRD FLOOR
2SF104	AS FOUND ATTIC 1 PLAN
2SF105	AS FOUND ROOF FRAMING PLAN
2SF106	AS FOUND ATTIC 2, DOME 1 AND 2 FRAMING PLAN (INTERIOR)
2SF501	PROPOSED EXISTING ASSEMBLY TYPICAL DETAILS
2ST090	FOUNDATION PLAN
2ST100	PROPOSED GARDEN LEVEL PLAN
2ST101	PROPOSED FIRST FLOOR PLAN
2ST102	PROPOSED SECOND FLOOR PLAN
2ST103	PROPOSED THIRD FLOOR PLAN
2ST104	PROPOSED ATTIC 1 PLAN
2ST104A	PROPOSED ATTIC 1 DUNNAGE PLAN
2ST105	PROPOSED ROOF FRAMING PLAN
2ST106	PROPOSED ATTIC 2, DOME 1 AND 2 PLAN (INTERIOR)
2ST500	ABBREVIATIONS, SYMBOLS AND GENERAL NOTES
2ST501	TYPICAL DETAILS
2ST502	TYPICAL DETAILS
2ST503	TYPICAL DETAILS

- ARCHITECTURAL -

Sheet Number	Sheet Name
2AF050	AS FOUND SITE PLAN
2AF090	AS FOUND FOUNDATION PLAN
2AF100	AS FOUND GARDEN LEVEL PLAN
2AF101	AS FOUND FIRST FLOOR PLAN
2AF102	AS FOUND SECOND FLOOR PLAN
2AF103	AS FOUND THIRD FLOOR PLAN
2AF104	AS FOUND ATTIC 1 PLAN
2AF105	AS FOUND ROOF PLAN
2AF106	AS FOUND ATTIC 2, DOME 1 AND 2 PLAN
2AF107	AS FOUND DOME ROOF PLAN
2AF150	AS FOUND RCP - GARDEN LEVEL
2AF151	AS FOUND RCP - FIRST FLOOR
2AF152	AS FOUND RCP - SECOND FLOOR
2AF153	AS FOUND RCP - THIRD FLOOR
2AF154	AS FOUND RCP - ATTIC 1
2AF155	AS FOUND RCP - ATTIC 2, DOME 1 AND 2
2AF201	AS FOUND SOUTH ELEVATION
2AF201B	AS FOUND SOUTH ELEVATION ORTHOPHOTO
2AF202	AS FOUND NORTH ELEVATION
2AF202B	AS FOUND NORTH ELEVATION ORTHOPHOTO
2AF203	AS FOUND EAST AND WEST ELEVATIONS
2AF203B	AS FOUND EAST AND WEST ELEVATIONS ORTHOPHOTO
2AF204	AS FOUND PORTICO RETURNS
2AF204B	AS FOUND PORTICO RETURNS ORTHOPHOTO
2AF210	EXTERIOR CONDITION KEY ELEVATION - DOME
2AF211	EXTERIOR CONDITION DOME ELEVATIONS
2AF212	EXTERIOR CONDITION DOME ELEVATIONS
2AF213	EXTERIOR CONDITION DOME ELEVATIONS
2AF214	EXTERIOR CONDITION DOME ELEVATIONS
2AF215	EXTERIOR CONDITION KEY PLAN - EXTERIOR ELEVATIONS
2AF216	EXTERIOR CONDITION GALVANIZED METAL SOUTHWEST ELEVATION BAYS
2AF217	EXTERIOR CONDITION GALVANIZED METAL SOUTH-CENTER ELEVATION BAYS
2AF218	EXTERIOR CONDITION GALVANIZED METAL SOUTHEAST ELEVATION BAYS
2AF219	EXTERIOR CONDITION GALVANIZED METAL SOUTH ELEVATION RETURNS
2AF220	EXTERIOR CONDITION GALVANIZED METAL EAST ELEVATION
2AF221	EXTERIOR CONDITION GALVANIZED METAL EAST ELEVATION RETURNS
2AF222	EXTERIOR CONDITION GALVANIZED METAL NORTHEAST ELEVATION
2AF223	EXTERIOR CONDITION GALVANIZED METAL NORTH-CENTER ELEVATION
2AF224	EXTERIOR CONDITION GALVANIZED METAL NORTHWEST ELEVATION
2AF225	EXTERIOR CONDITION GALVANIZED METAL NORTH ELEVATION RETURNS
2AF226	EXTERIOR CONDITION GALVANIZED METAL WEST ELEVATION
2AF227	EXTERIOR CONDITION GALVANIZED METAL WEST ELEVATION RETURNS
2AF228	EXTERIOR CONDITION SOUTH UPPER CORNICE
2AF229	EXTERIOR CONDITION EAST AND WEST UPPER CORNICE
2AF230	EXTERIOR CONDITION NORTH UPPER CORNICE
2AF231	EXTERIOR CONDITION SOUTH LOWER CORNICE
2AF232	EXTERIOR CONDITION EAST AND WEST LOWER CORNICE
2AF233	EXTERIOR CONDITION NORTH LOWER CORNICE
2AF234	EXTERIOR CONDITION SOUTH ELEVATION BAYS
2AF235	EXTERIOR CONDITION SOUTH ELEVATION BAYS
2AF236	EXTERIOR CONDITION SOUTH ELEVATION BAYS
2AF237	EXTERIOR CONDITION SOUTH ELEVATION BAYS
2AF238	EXTERIOR CONDITION SOUTH ELEVATION RETURNS
2AF239	EXTERIOR CONDITION SOUTH ELEVATION RETURNS
2AF240	EXTERIOR CONDITION SOUTH ELEVATION RETURNS
2AF241	EXTERIOR CONDITION EAST ELEVATION BAYS
2AF242	EXTERIOR CONDITION EAST ELEVATION RETURNS
2AF243	EXTERIOR CONDITION NORTH ELEVATION BAYS
2AF244	EXTERIOR CONDITION NORTH ELEVATION BAYS
2AF245	EXTERIOR CONDITION NORTH ELEVATION BAYS
2AF246	EXTERIOR CONDITION NORTH ELEVATION RETURNS
2AF247	EXTERIOR CONDITION NORTH ELEVATION RETURNS
2AF248	EXTERIOR CONDITION NORTH ELEVATION RETURNS
2AF249	EXTERIOR CONDITION WEST ELEVATION BAYS
2AF250	EXTERIOR CONDITION WEST ELEVATION RETURNS
2AF303	AS FOUND LONGITUDINAL SECTION CENTER
2AF303B	AS FOUND LONGITUDINAL SECTION CENTER - ORTHOPHOTO
2AF313	AS FOUND TRANSVERSE SECTION CENTER
2AF313B	AS FOUND TRANSVERSE SECTION CENTER - ORTHOPHOTO

- ARCHITECTURAL -

Sheet Number	Sheet Name
2PZ100	PRESERVATION ZONE GARDEN LEVEL PLAN
2PZ101	PRESERVATION ZONE FIRST FLOOR PLAN
2PZ102	PRESERVATION ZONE SECOND FLOOR PLAN
2PZ103	PRESERVATION ZONE THIRD FLOOR PLAN
2PZ104	PRESERVATION ZONE ATTIC 1 PLAN
2PZ105	PRESERVATION ZONE ROOF PLAN
2PZ106	PRESERVATION ZONE ATTIC 2, DOME 1 AND 2 PLAN
2PZ201	PRESERVATION ZONE SOUTH ELEVATION
2PZ202	PRESERVATION ZONE NORTH ELEVATION
2PZ203	PRESERVATION ZONE EAST AND WEST ELEVATIONS
2AD050	SELECTIVE REMOVAL SITE PLAN
2AD090	SELECTIVE REMOVAL FOUNDATION PLAN
2AD100	SELECTIVE REMOVAL GARDEN LEVEL PLAN
2AD101	SELECTIVE REMOVAL FIRST FLOOR PLAN
2AD102	SELECTIVE REMOVAL SECOND FLOOR PLAN
2AD103	SELECTIVE REMOVAL THIRD FLOOR PLAN
2AD104	SELECTIVE REMOVAL ATTIC 1 PLAN
2AD105	SELECTIVE REMOVAL ROOF PLAN
2AD106	SELECTIVE REMOVAL ATTIC 2, DOME 1 AND 2 PLAN
2AD201	SELECTIVE REMOVAL SOUTH ELEVATION
2AD202	SELECTIVE REMOVAL NORTH ELEVATION
2AD203	SELECTIVE REMOVAL EAST & WEST ELEVATIONS
2AS050	PROPOSED SITE PLAN
2AE090	PROPOSED FOUNDATION PLAN
2AE091	PROPOSED GARDEN LEVEL TRENCHING PLAN
2AI100	PROPOSED GARDEN LEVEL PLAN
2AI101	PROPOSED FIRST FLOOR PLAN
2AI102	PROPOSED SECOND FLOOR PLAN
2AI103	PROPOSED THIRD FLOOR PLAN
2AI104	PROPOSED ATTIC 1 PLAN
2AI105	PROPOSED ROOF PLAN
2AI106	PROPOSED ATTIC 2, DOME 1 AND 2 PLAN
2AC150	PROPOSED RCP - GARDEN LEVEL
2AC151	PROPOSED RCP - FIRST FLOOR
2AC152	PROPOSED RCP - SECOND FLOOR
2AC153	PROPOSED RCP - THIRD FLOOR
2AC154	PROPOSED RCP - ATTIC 1
2AC155	PROPOSED RCP - ATTIC 2, DOME 1 AND 2
2AE201	PROPOSED SOUTH ELEVATION
2AE202	PROPOSED NORTH ELEVATION
2AE203	PROPOSED EAST & WEST ELEVATIONS
2AE215	KEY PLAN - EXTERIOR MASONRY REPAIRS
2AE228	EXTERIOR MASONRY REPAIRS SOUTH UPPER CORNICE
2AE229	EXTERIOR MASONRY REPAIRS EAST AND WEST UPPER CORNICE
2AE230	EXTERIOR MASONRY REPAIRS NORTH UPPER CORNICE
2AE231	EXTERIOR MASONRY REPAIRS SOUTH LOWER CORNICE
2AE232	EXTERIOR MASONRY REPAIRS EAST AND WEST LOWER CORNICE
2AE233	EXTERIOR MASONRY REPAIRS NORTH LOWER CORNICE
2AE234	EXTERIOR MASONRY REPAIRS AT SOUTH ELEVATION BAYS
2AE235	EXTERIOR MASONRY REPAIRS AT SOUTH ELEVATION BAYS
2AE236	EXTERIOR MASONRY REPAIRS AT SOUTH ELEVATION BAYS
2AE237	EXTERIOR MASONRY REPAIRS AT SOUTH ELEVATION BAYS
2AE238	EXTERIOR MASONRY REPAIRS AT SOUTH ELEVATION RETURNS
2AE239	EXTERIOR MASONRY REPAIRS AT SOUTH ELEVATION RETURNS
2AE240	EXTERIOR MASONRY REPAIRS AT SOUTH ELEVATION RETURNS
2AE241	EXTERIOR MASONRY REPAIRS AT EAST ELEVATION BAYS
2AE242	EXTERIOR MASONRY REPAIRS AT EAST ELEVATION RETURNS
2AE243	EXTERIOR MASONRY REPAIRS AT NORTH ELEVATION BAYS
2AE244	EXTERIOR MASONRY REPAIRS AT NORTH ELEVATION BAYS
2AE245	EXTERIOR MASONRY REPAIRS AT NORTH ELEVATION BAYS
2AE246	EXTERIOR MASONRY REPAIRS AT NORTH ELEVATION BAYS
2AE247	EXTERIOR MASONRY REPAIRS AT NORTH ELEVATION RETURNS
2AE248	EXTERIOR MASONRY REPAIRS AT NORTH ELEVATION RETURNS
2AE249	EXTERIOR MASONRY REPAIRS AT WEST ELEVATION BAYS
2AE250	EXTERIOR MASONRY REPAIRS AT WEST ELEVATION RETURNS
2AI450	PROPOSED NORTH STAIR ENLARGED PLANS
2AI451	PROPOSED NORTH STAIR TO CONNECTOR
2AI500	PROPOSED GARDEN LEVEL SERVICE CORE EAST ENLARGED PLANS
2AI502	PROPOSED GARDEN LEVEL SERVICE CORE WEST ENLARGED PLANS
2AI504	PROPOSED FIRST FLOOR SERVICE CORE EAST ENLARGED PLANS
2AI506	PROPOSED FIRST FLOOR SERVICE CORE WEST ENLARGED PLANS
2AI508	PROPOSED SECOND FLOOR SERVICE CORE EAST ENLARGED PLANS
2AI510	PROPOSED SECOND FLOOR SERVICE CORE WEST ENLARGED PLANS
2AI512	PROPOSED THIRD FLOOR SERVICE CORE EAST ENLARGED PLANS
2AI514	PROPOSED THIRD FLOOR SERVICE CORE WEST ENLARGED PLANS

- MECHANICAL -

Sheet Number	Sheet Name
2MI001	MECHANICAL SYMBOL LIST
2MI002	MECHANICAL NOTES & ABBREVIATIONS
2MD100H	SELECTIVE REMOVAL GARDEN LEVEL MECHANICAL PLAN
2MD100PA	SELECTIVE REMOVAL FOUNDATION MECHANICAL PIPING PLAN
2MD100PB	SELECTIVE REMOVAL GARDEN LEVEL MECHANICAL PIPING PLAN
2MD101H	SELECTIVE REMOVAL FIRST FLOOR MECHANICAL PLAN
2MD101P	SELECTIVE REMOVAL FIRST FLOOR MECHANICAL PIPING PLAN
2MD102H	SELECTIVE REMOVAL SECOND FLOOR MECHANICAL PLAN
2MD102P	SELECTIVE REMOVAL SECOND FLOOR MECHANICAL PIPING PLAN
2MD103H	SELECTIVE REMOVAL THIRD FLOOR MECHANICAL PLAN
2MD103P	SELECTIVE REMOVAL THIRD FLOOR MECHANICAL PIPING PLAN
2MD104H	SELECTIVE REMOVAL ATTIC 1 MECHANICAL PLAN
2MD104P	SELECTIVE REMOVAL ATTIC 1 MECHANICAL PIPING PLAN
2MD105H	SELECTIVE REMOVAL ROOF MECHANICAL PLAN
2MD106H	SELECTIVE REMOVAL ATTIC 2, DOME 1 & DOME 2 MECHANICAL PLANS
2MH100A	PROPOSED FOUNDATION MECHANICAL PLAN
2MH100B	PROPOSED GARDEN LEVEL MECHANICAL PLAN
2MH101	PROPOSED FIRST FLOOR MECHANICAL PLAN
2MH102	PROPOSED SECOND FLOOR MECHANICAL PLAN
2MH103	PROPOSED THIRD FLOOR MECHANICAL PLAN
2MH104	PROPOSED ATTIC 1 MECHANICAL PLAN
2MH105	PROPOSED ROOF MECHANICAL PLAN
2MH106	PROPOSED ATTIC 2, DOME 1 & DOME 2 MECHANICAL PLANS
2MH110A	PROPOSED FOUNDATION MECHANICAL PLAN WEST
2MH110B	PROPOSED GARDEN LEVEL MECHANICAL PLAN WEST
2MH111A	PROPOSED FOUNDATION MECHANICAL PLAN CENTER
2MH111B	PROPOSED GARDEN LEVEL MECHANICAL PLAN CENTER
2MH112A	PROPOSED FOUNDATION MECHANICAL PLAN EAST
2MH112B	PROPOSED GARDEN LEVEL MECHANICAL PLAN EAST
2MH115	PROPOSED FIRST FLOOR MECHANICAL PLAN WEST
2MH116	PROPOSED FIRST FLOOR MECHANICAL PLAN CENTER
2MH117	PROPOSED FIRST FLOOR MECHANICAL PLAN EAST
2MH120	PROPOSED SECOND FLOOR MECHANICAL PLAN WEST
2MH121	PROPOSED SECOND FLOOR MECHANICAL PLAN CENTER
2MH122	PROPOSED SECOND FLOOR MECHANICAL PLAN EAST
2MH125	PROPOSED THIRD FLOOR MECHANICAL PLAN WEST
2MH126	PROPOSED THIRD FLOOR MECHANICAL PLAN CENTER
2MH127	PROPOSED THIRD FLOOR MECHANICAL PLAN EAST
2MH130	PROPOSED ATTIC 1 MECHANICAL PLAN WEST
2MH131	PROPOSED ATTIC 1 MECHANICAL PLAN CENTER
2MH132	PROPOSED ATTIC 1 MECHANICAL PLAN EAST
2MH301	PROPOSED SOUTHEAST MECHANICAL PLANS & SECTION
2MH301A	PROPOSED SOUTHEAST MECHANICAL SHAFT 3D VIEWS
2MH302	PROPOSED NORTHEAST MECHANICAL PLANS & SECTION
2MH302A	PROPOSED NORTHEAST MECHANICAL SHAFT 3D VIEWS
2MH303	PROPOSED NORTHWEST MECHANICAL PLANS & SECTION
2MH303A	PROPOSED NORTHWEST MECHANICAL SHAFT 3D VIEWS
2MH304	PROPOSED SOUTHWEST MECHANICAL PLANS & SECTION
2MH304A	PROPOSED SOUTHWEST MECHANICAL SHAFT 3D VIEWS
2MH401	PROPOSED MER-1 (SOUTHEAST) PLAN AND SECTIONS
2MH401A	PROPOSED MER-1 (SOUTHEAST) 3D VIEWS
2MH402	PROPOSED MER-2 (NORTHEAST) PLAN AND SECTIONS
2MH402A	PROPOSED MER-1 (NORTHEAST) 3D VIEWS
2MH403	PROPOSED MER-3 (NORTHWEST) PLAN AND SECTIONS
2MH403A	PROPOSED MER-1 (NORTHWEST) 3D VIEWS
2MH404	PROPOSED MER-4 (SOUTHWEST) PLAN AND SECTIONS
2MH404A	PROPOSED MER-1 (SOUTHWEST) 3D VIEWS
2MH411	PROPOSED MECHANICAL SECTIONS
2MP100A	PROPOSED FOUNDATION MECHANICAL PIPING PLAN
2MP100B	PROPOSED GARDEN LEVEL MECHANICAL PIPING PLAN
2MP101	PROPOSED FIRST FLOOR MECHANICAL PIPING PLAN
2MP102	PROPOSED SECOND FLOOR MECHANICAL PIPING PLAN
2MP103	PROPOSED THIRD FLOOR MECHANICAL PIPING PLAN
2MP104	PROPOSED ATTIC 1 MECHANICAL PIPING PLAN
2MP110A	PROPOSED FOUNDATION MECHANICAL PIPING PLAN WEST
2MP110B	PROPOSED GARDEN LEVEL MECHANICAL PIPING PLAN WEST
2MP111A	PROPOSED FOUNDATION MECHANICAL PIPING PLAN CENTER
2MP111B	PROPOSED GARDEN LEVEL MECHANICAL PIPING PLAN CENTER
2MP112A	PROPOSED FOUNDATION MECHANICAL PIPING PLAN EAST
2MP112B	PROPOSED GARDEN LEVEL MECHANICAL PIPING PLAN EAST
2MP115	PROPOSED FIRST FLOOR MECHANICAL PIPING PLAN WEST
2MP116	PROPOSED FIRST FLOOR MECHANICAL PIPING PLAN CENTER
2MP117	PROPOSED FIRST FLOOR MECHANICAL PIPING PLAN EAST
2MP120	PROPOSED SECOND FLOOR MECHANICAL PIPING PLAN WEST
2MP121	PROPOSED SECOND FLOOR MECHANICAL PIPING PLAN CENTER
2MP122	PROPOSED SECOND FLOOR MECHANICAL PIPING PLAN EAST
2MP125	PROPOSED THIRD FLOOR MECHANICAL PIPING PLAN WEST
2MP126	PROPOSED THIRD FLOOR MECHANICAL PIPING PLAN CENTER
2MP127	PROPOSED THIRD FLOOR MECHANICAL PLAN EAST
2MP130	PROPOSED ATTIC 1 MECHANICAL PIPING PLAN WEST
2MP131	PROPOSED ATTIC 1 MECHANICAL PIPING PLAN CENTER
2MP132	PROPOSED ATTIC 1 MECHANICAL PIPING PLAN EAST
2MX611	PROPOSED MECHANICAL PIPING RISER DIAGRAM
2MX616	PROPOSED AIR FLOW DIAGRAM
2MX631	PROPOSED MECHANICAL SCHEDULES
2MX632	PROPOSED MECHANICAL SCHEDULES

- FIRE PROTECTION -

Sheet Number	Sheet Name
2FX611	PROPOSED FIRE ALARM RISER DIAGRAM

- PLUMBING -

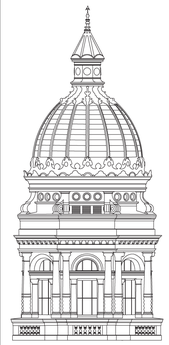
Sheet Number	Sheet Name
2PI001	PLUMBING SYMBOL LIST
2PI002	PLUMBING ABBREVIATIONS & NOTES
2PD100A	SELECTIVE REMOVAL FOUNDATION PLUMBING PLAN
2PD100B	SELECTIVE REMOVAL GARDEN LEVEL PLUMBING PLAN
2PD101	SELECTIVE REMOVAL FIRST FLOOR PLUMBING PLAN
2PD102	SELECTIVE REMOVAL SECOND FLOOR PLUMBING PLAN
2PD103	SELECTIVE REMOVAL THIRD FLOOR PLUMBING PLAN
2PD104	SELECTIVE REMOVAL ATTIC 1 PLUMBING PLAN
2PD105	SELECTIVE REMOVAL ROOF PLUMBING PLAN
2PP100	PROPOSED GARDEN LEVEL PLUMBING PLAN
2PP101	PROPOSED FIRST FLOOR PLUMBING PLAN
2PP102	PROPOSED SECOND FLOOR PLUMBING PLAN
2PP103	PROPOSED THIRD FLOOR PLUMBING PLAN
2PP104	PROPOSED ATTIC 1 PLUMBING PLAN
2PP105	PROPOSED ROOF PLUMBING PLAN
2PP401	PROPOSED PLUMBING PART PLANS
2PP402	PROPOSED PLUMBING PART PLANS
2PX611	PROPOSED PLUMBING SANITARY RISER DIAGRAM
2PX612	PROPOSED PLUMBING STORM WATER RISER DIAGRAM - NORTH
2PX613	PROPOSED PLUMBING STORM WATER RISER DIAGRAM - SOUTH
2PX614	PROPOSED PLUMBING DOMESTIC WATER RISER DIAGRAM
2PX631	PROPOSED PLUMBING SCHEDULES

- ELECTRICAL -

Sheet Number	Sheet Name
2EI001	ELECTRICAL SYMBOLS LIST
2EI002	ELECTRICAL ABBREVIATIONS & NOTES
2ED100	SELECTIVE REMOVAL GARDEN LEVEL POWER PLAN
2ED101	SELECTIVE REMOVAL FIRST FLOOR POWER PLAN
2ED102	SELECTIVE REMOVAL SECOND FLOOR POWER PLAN
2ED103	SELECTIVE REMOVAL THIRD FLOOR POWER PLAN
2ED104	SELECTIVE REMOVAL ATTIC 1 POWER PLAN
2ED105	SELECTIVE REMOVAL ROOF POWER & LIGHTING PLAN
2ED106	SELECTIVE REMOVAL ATTIC 2, DOME 1 & DOME 2 POWER & LIGHTING PLANS
2ED150	SELECTIVE REMOVAL GARDEN LEVEL LIGHTING PLAN
2ED151	SELECTIVE REMOVAL FIRST FLOOR LIGHTING PLAN
2ED152	SELECTIVE REMOVAL SECOND FLOOR LIGHTING PLAN
2ED153	SELECTIVE REMOVAL THIRD FLOOR LIGHTING PLAN
2ED154	SELECTIVE REMOVAL ATTIC 1 LIGHTING PLAN
2EL150AL	PROPOSED LIGHTING PLAN GARDEN LEVEL
2EL151AL	PROPOSED LIGHTING PLAN FIRST FLOOR
2EL152AL	PROPOSED LIGHTING PLAN SECOND FLOOR
2EL153AL	PROPOSED LIGHTING PLAN THIRD FLOOR
2EL154AL	PROPOSED LIGHTING PLAN ATTIC 1
2EL155AL	PROPOSED LIGHTING PLAN ROOF
2EL630AL	PROPOSED LUMINAIRE SCHEDULE
2EL631AL	PROPOSED LUMINAIRE SCHEDULE
2EL632AL	PROPOSED LUMINAIRE SCHEDULE
2EL633AL	PROPOSED LUMINAIRE SCHEDULE
2EL634AL	PROPOSED LUMINAIRE SCHEDULE
2EP100	PROPOSED GARDEN LEVEL POWER PLAN
2EP101	PROPOSED FIRST FLOOR POWER PLAN
2EP102	PROPOSED SECOND FLOOR POWER PLAN
2EP103	PROPOSED THIRD FLOOR POWER PLAN
2EP104	PROPOSED ATTIC 1 POWER PLAN
2EP105	PROPOSED ROOF POWER PLAN
2EP106	PROPOSED ATTIC 2, DOME 1 & DOME 2 POWER PLANS
2EP401	PROPOSED ELECTRICAL / TELECOM PARTIAL PLANS & ELEVATIONS
2EP402	PROPOSED ELECTRICAL / TELECOM PARTIAL PLANS & ELEVATIONS
2EX611	SELECTIVE REMOVAL ELECTRICAL SINGLE LINE DIAGRAM
2EX612	PROPOSED ELECTRICAL POWER RISER DIAGRAM
2EX613	PROPOSED ELECTRICAL COMMUNICATION CONDUIT RISER DIAGRAM
2EX621	PROPOSED ELECTRICAL COMMUNICATION RISER DIAGRAMS
2EX631	PROPOSED ELECTRICAL SCHEDULES
2EX632	PROPOSED ELECTRICAL SCHEDULES
2EX633	PROPOSED ELECTRICAL SCHEDULES

State of Wyoming

Administration & Information
Construction Management



Capitol Square
Rehabilitation and Restoration

HDR PDP RMH

MARK	DATE	DESCRIPTION
1	2014/12/19	SD OWNER REVIEW

PROJECT NUMBER	203619
ORIGINAL ISSUE	- - -
PKG. IDENTIFIER	2

DRAWING SHEET INDEX

SCALE: NO SCALE

2GI001

Schematic Design

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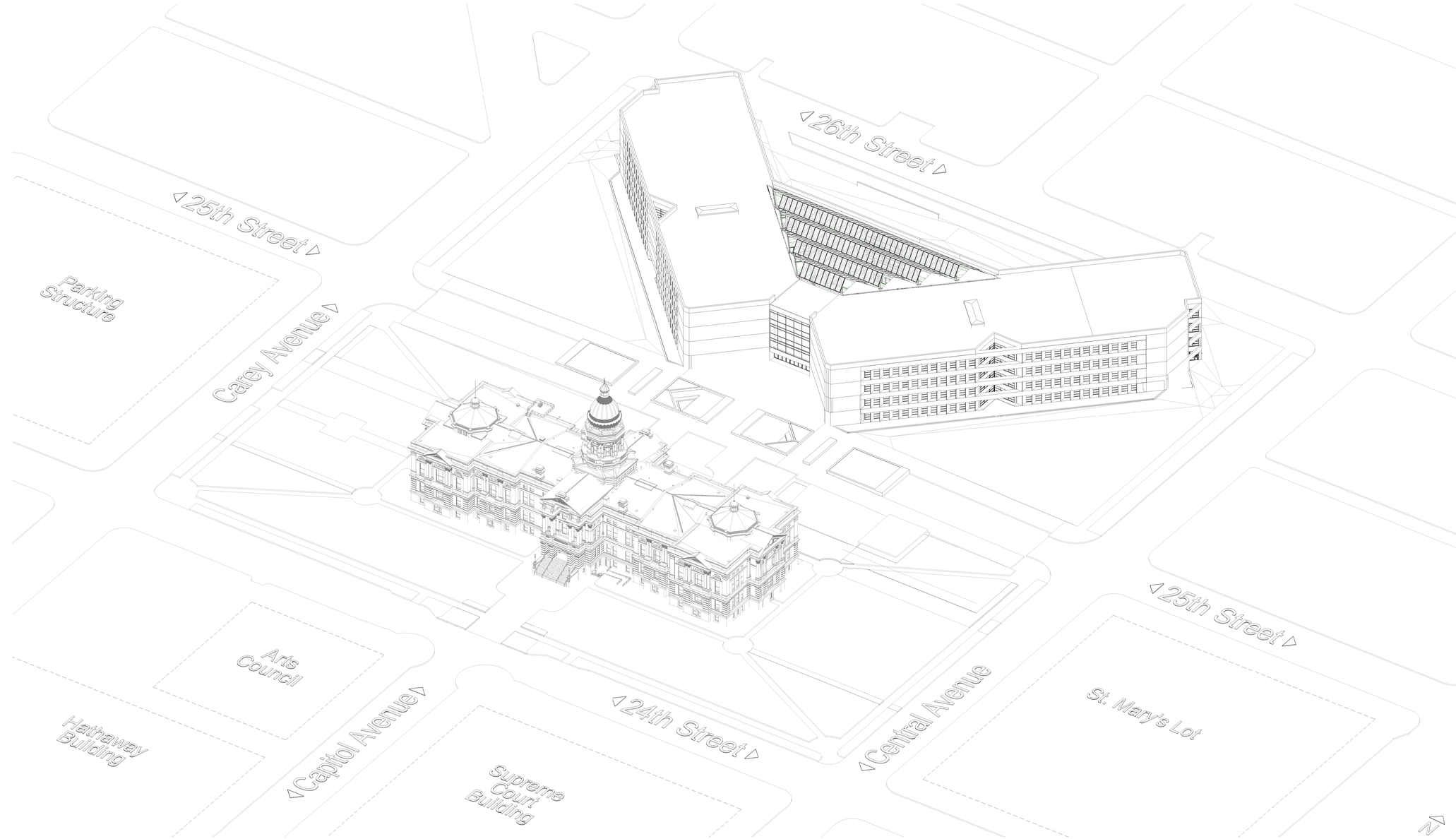

AXONOMETRIC VICINITY - AS FOUND CAPITOL SQUARE

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Capitol Square
Rehabilitation and Restoration

HDR PDP PLAN

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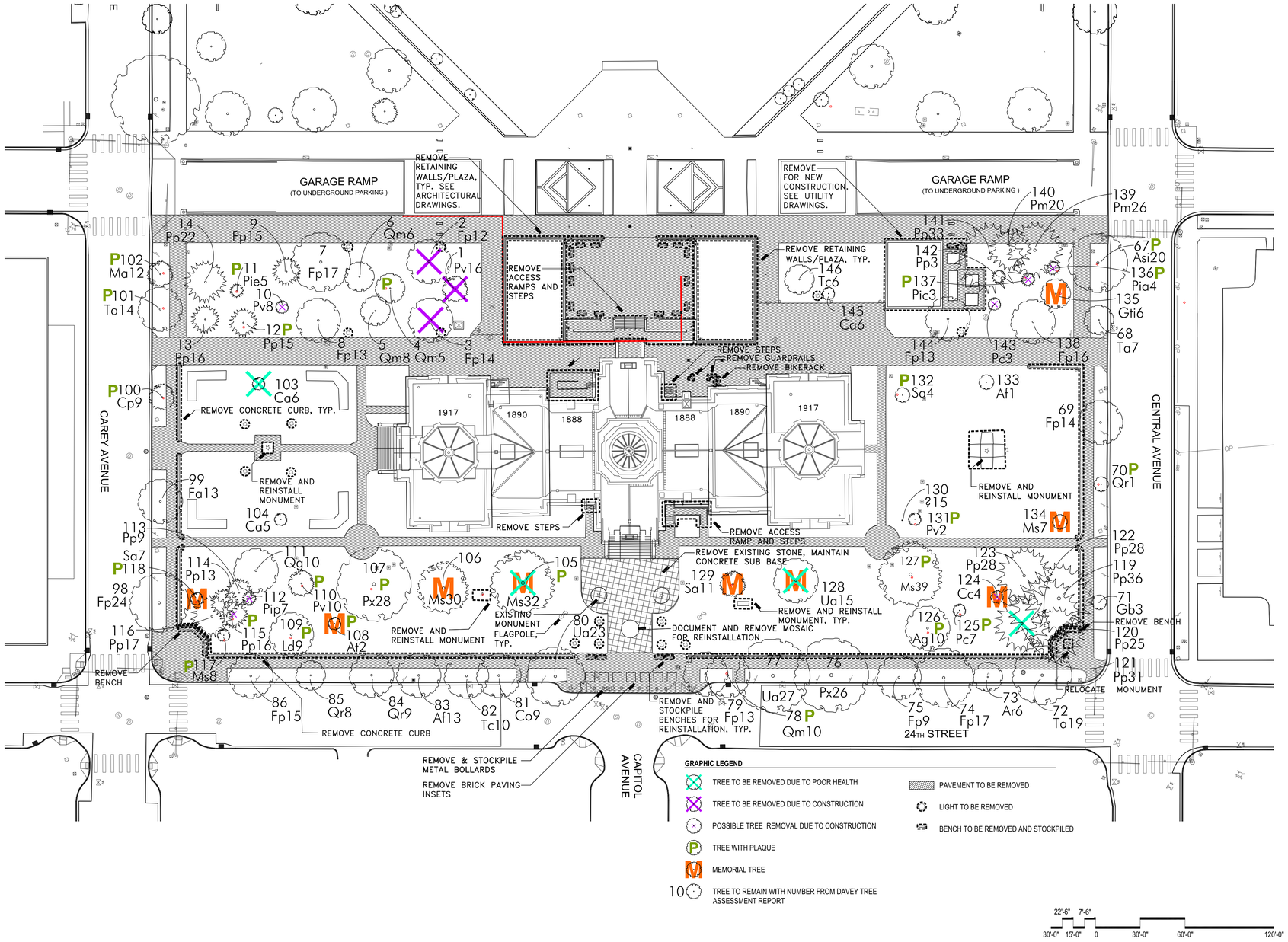
AXONOMETRIC VICINITY AS FOUND CAPITOL SQUARE

SCALE 1/32" = 1'-0"

2GI003

Schematic Design

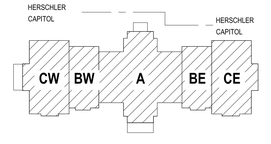


GENERAL NOTES

CONSTRUCTION NOTES

GRAPHIC LEGEND

KEY PLAN



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Rehabilitation and Restoration

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NOT FOR CONSTRUCTION

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PKG. IDENTIFIER 2

TREE ASSESSMENT AND REMOVALS PLAN (CAPITOL)

SCALE

2LR200

Schematic Design

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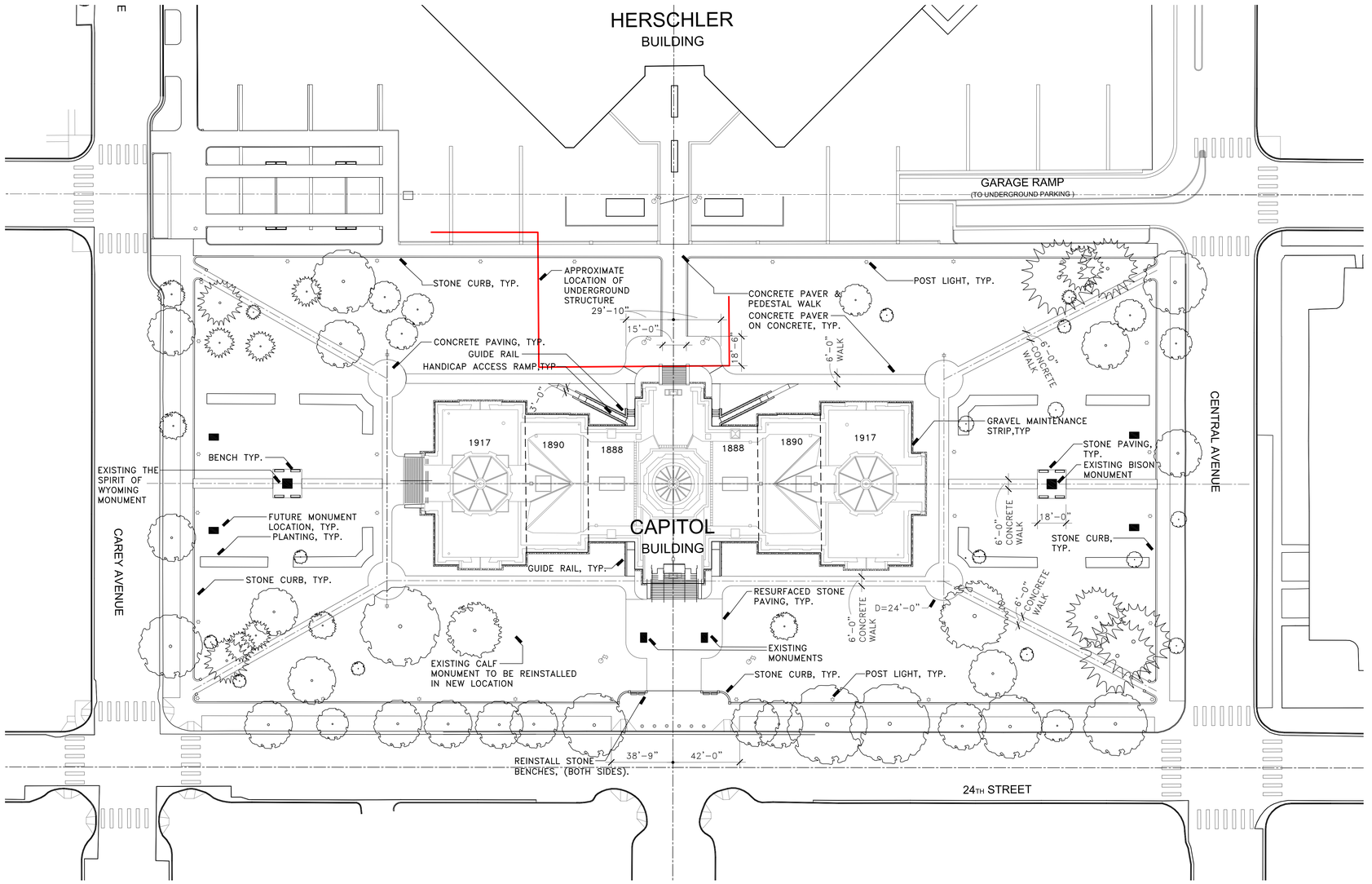
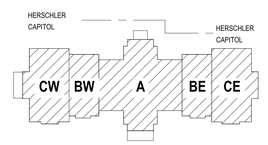


GENERAL NOTES

CONSTRUCTION NOTES

GRAPHIC LEGEND

KEY PLAN



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LAYOUT PLAN (CAPITOL)

SCALE

2LL200

Schematic Design

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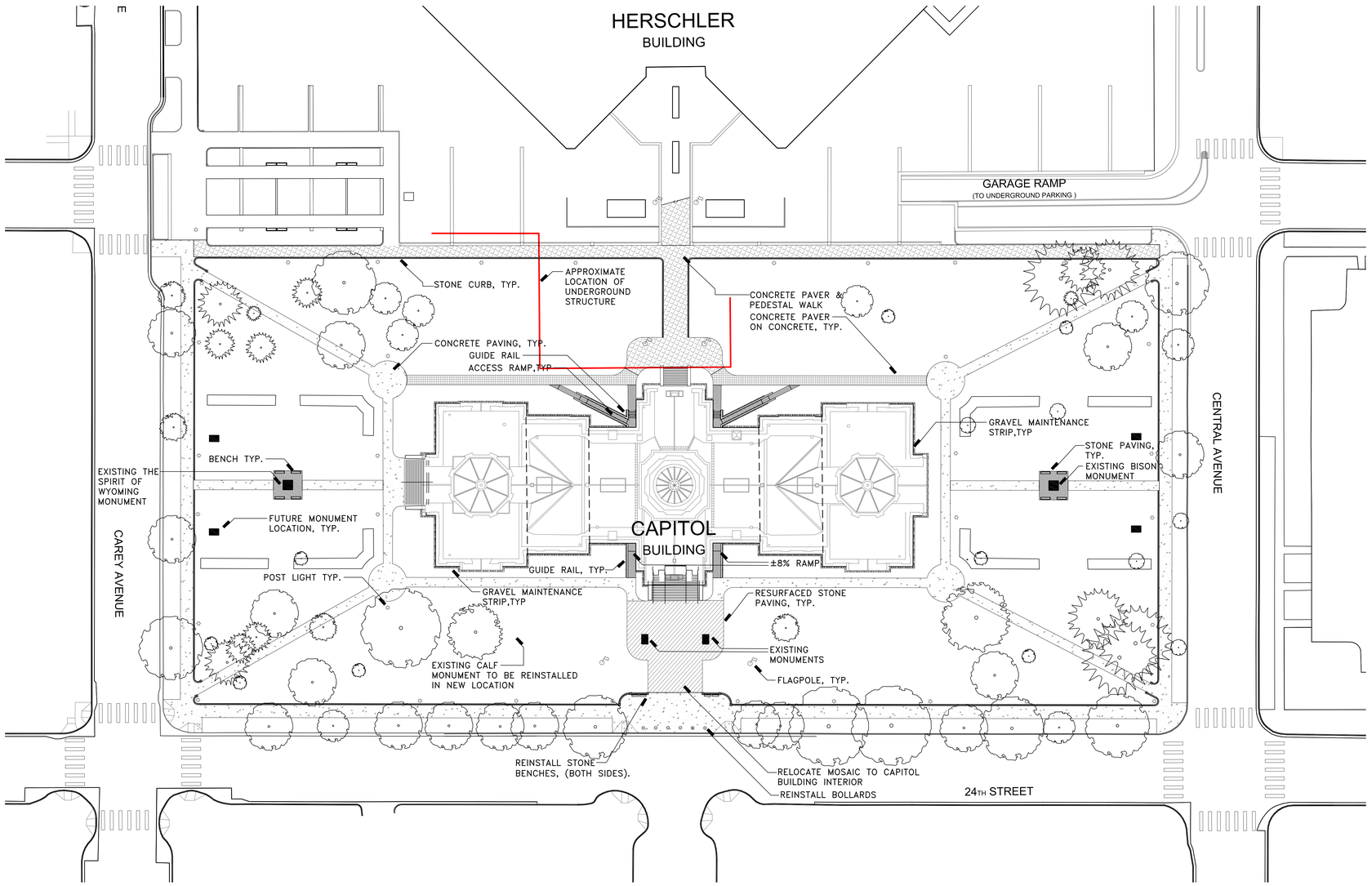


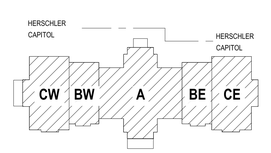
22'-6" 7'-6"
30'-0" 15'-0" 0 30'-0" 60'-0" 120'-0"

GENERAL NOTES

CONSTRUCTION NOTES

GRAPHIC LEGEND

KEY PLAN



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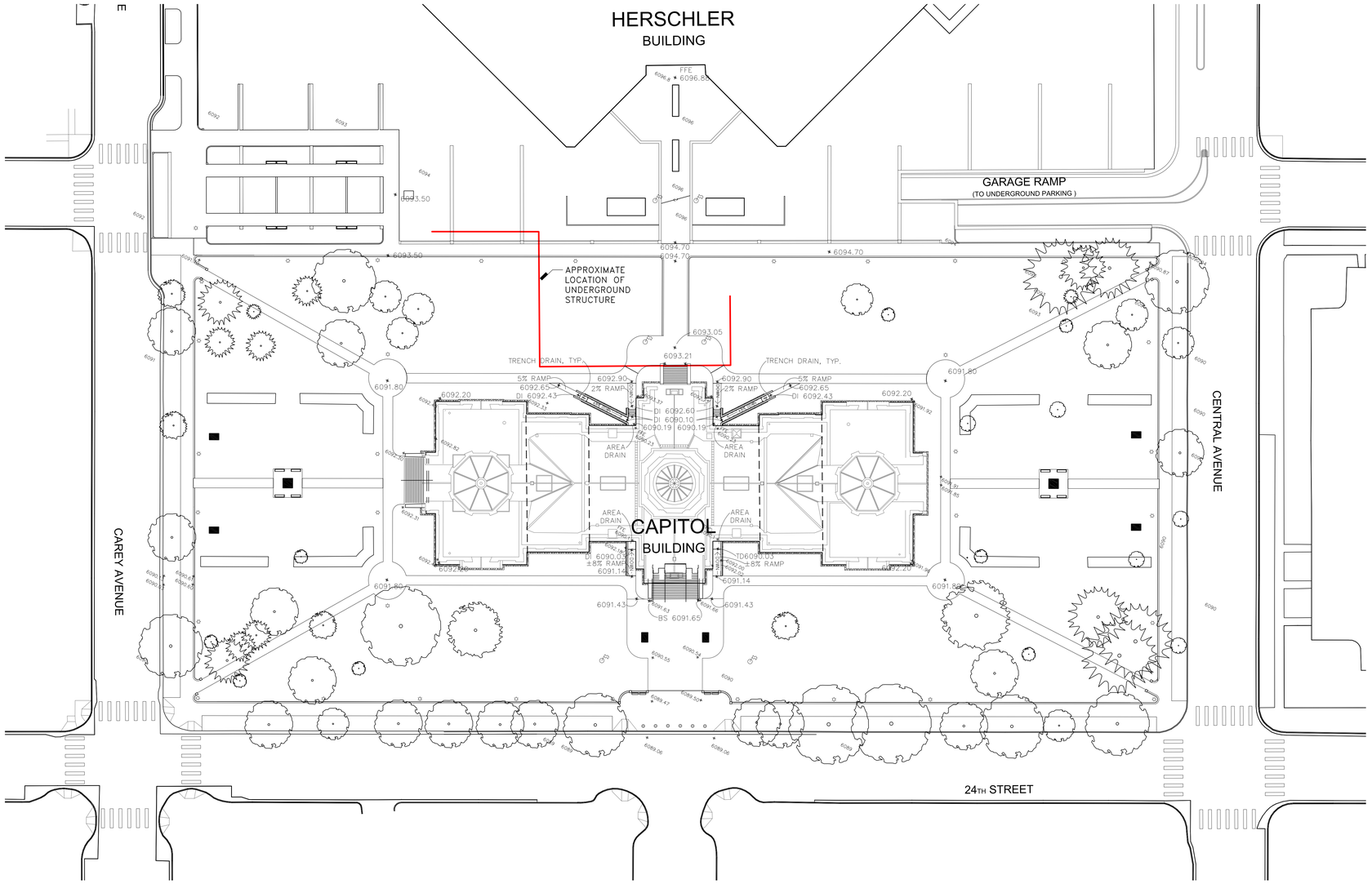
PKG. IDENTIFIER 2

MATERIALS PLAN (CAPITOL)

SCALE

2LM200

Schematic Design

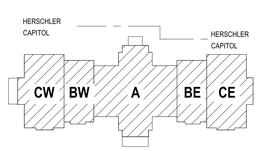


GENERAL NOTES

CONSTRUCTION NOTES

GRAPHIC LEGEND

KEY PLAN



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GRADING PLAN (RAMPS)

SCALE

2LG200

Schematic Design

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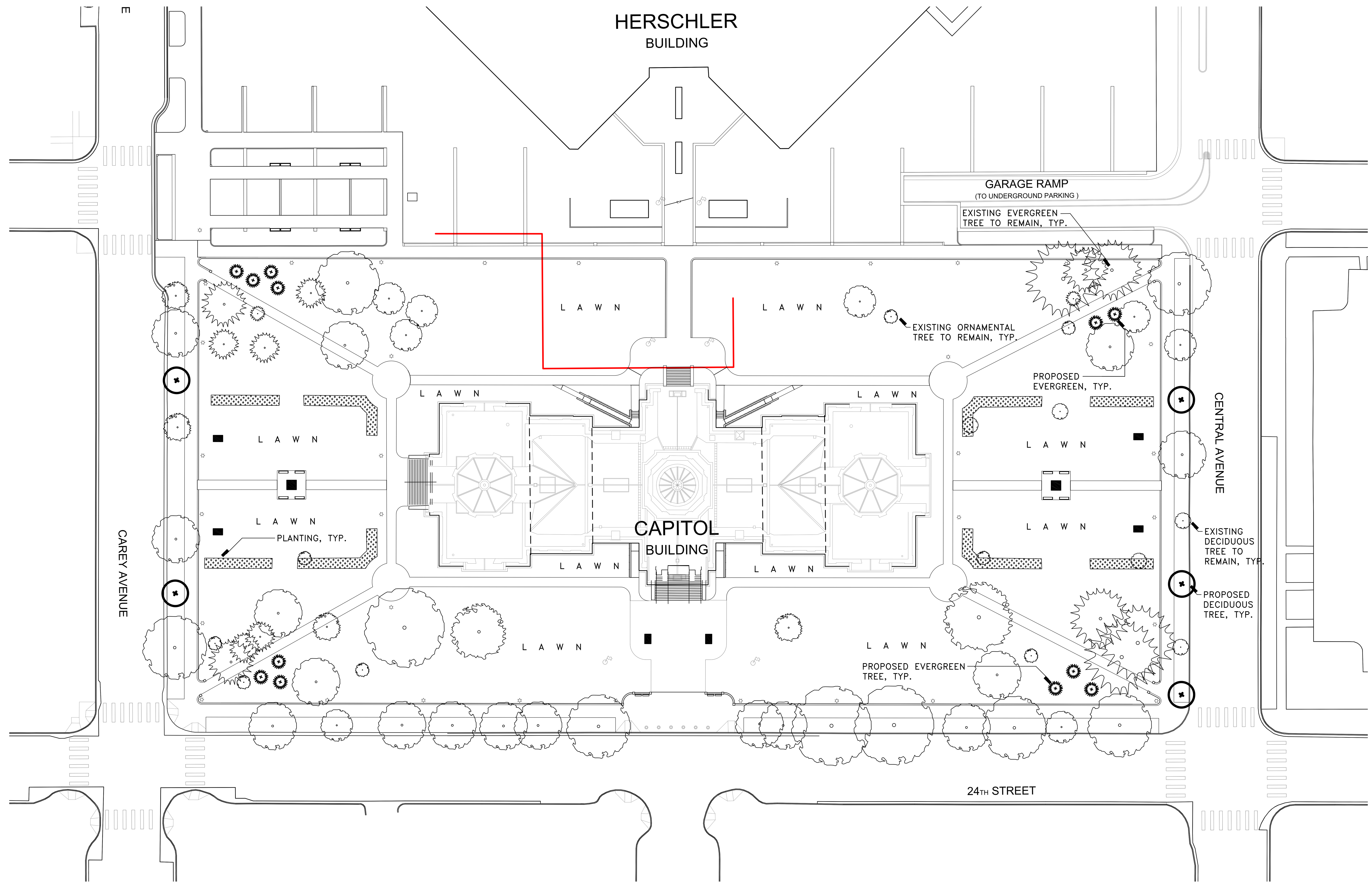
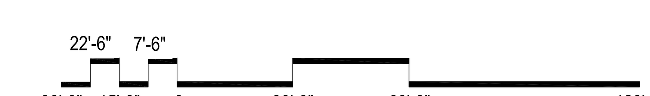


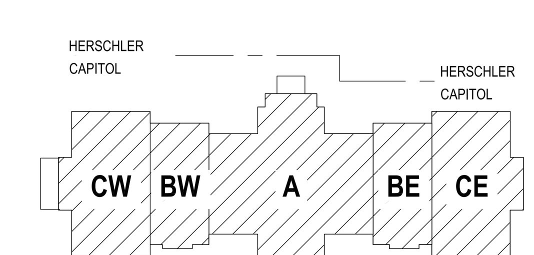


GENERAL NOTES

CONSTRUCTION NOTES

GRAPHIC LEGEND

KEY PLAN



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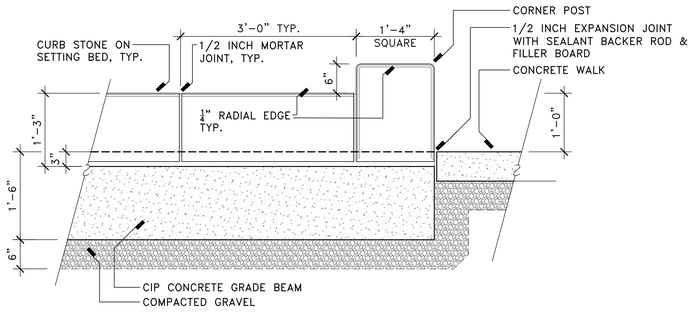
LANDSCAPE PLAN
(CAPITOL)

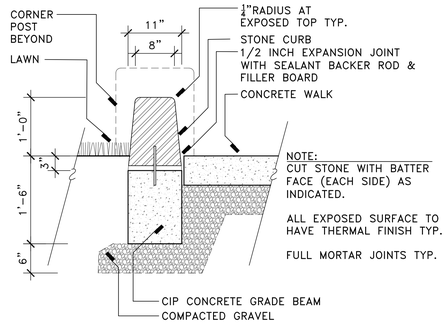
SCALE

2LP200

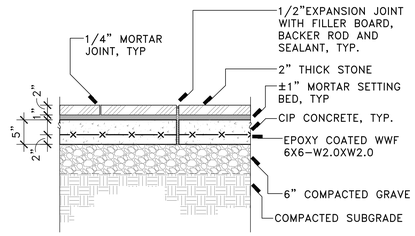
Schematic Design



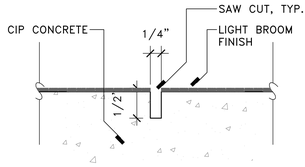
12 3LD200 ELEVATION: STONE LANDSCAPE CURB
SCALE – 1" = 1'-0"



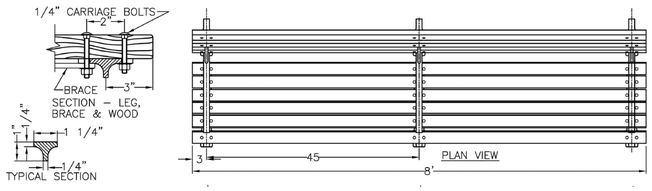
8 3LD200 SECTION–STONE LANDSCAPE CURB
SCALE – 1" = 1'-0"

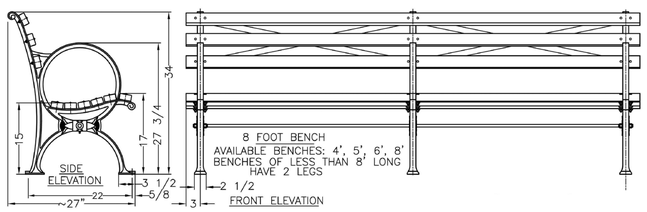


4 3LD200 SECTION–STONE ON CONCRETE
SCALE – 1" = 1'-0"



3 3LD200 SECTION – CONCRETE CONTROL JOINT
SCALE – NOT TO SCALE

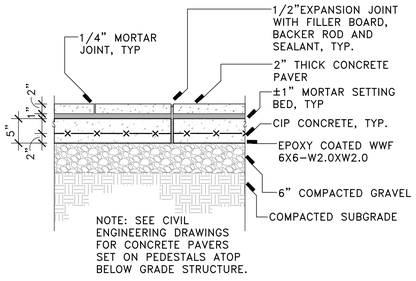




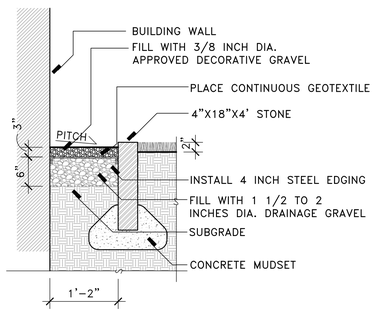
MATERIALS:
X–BRACING: 3/16" X 1 1/4" HOT ROLLED STEEL
BENCH LEGS: CAST DUCTILE IRON
WOOD SLATS: IPE (BETHABARA)/TABEBUIA
SMALL FASTENERS (CARRIAGE BOLTS, NUTS AND WASHERS) STAINLESS STEEL
TIE ROD: 5/8" DIA HOT ROLLED STEEL WITH 5/8 – 11 ROLLED THREADS & STEEL NUTS

WORLDS FAIR BENCH MODEL NO. 6737
AVAILABLE AT:
KENNETH LYNCH & SONS
OXFORD, CT 06478

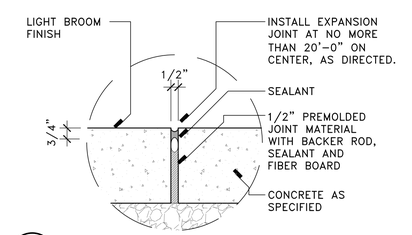
9 3LD200 PLAND & SECTION: PEDESTRIAN BENCH
SCALE – 1" = 1'-0"



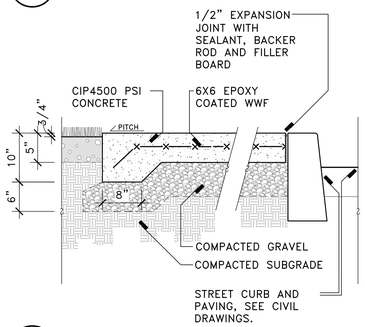
6 3LD200 SECTION–PAVER ON CONCRETE
SCALE – 1" = 1'-0"



5 3LD200 SECTION–GRAVEL MAINTENANCE STRIP
SCALE – 1" = 1'-0"



2 3LD200 SECTION–CONCRETE EXPANSION JOINT
SCALE – 3" = 1'-0"



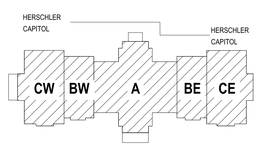
1 3LD200 SECTION–CONCRETE WALK
SCALE – 1" = 1'-0"

GENERAL NOTES

CONSTRUCTION NOTES

GRAPHIC LEGEND

KEY PLAN



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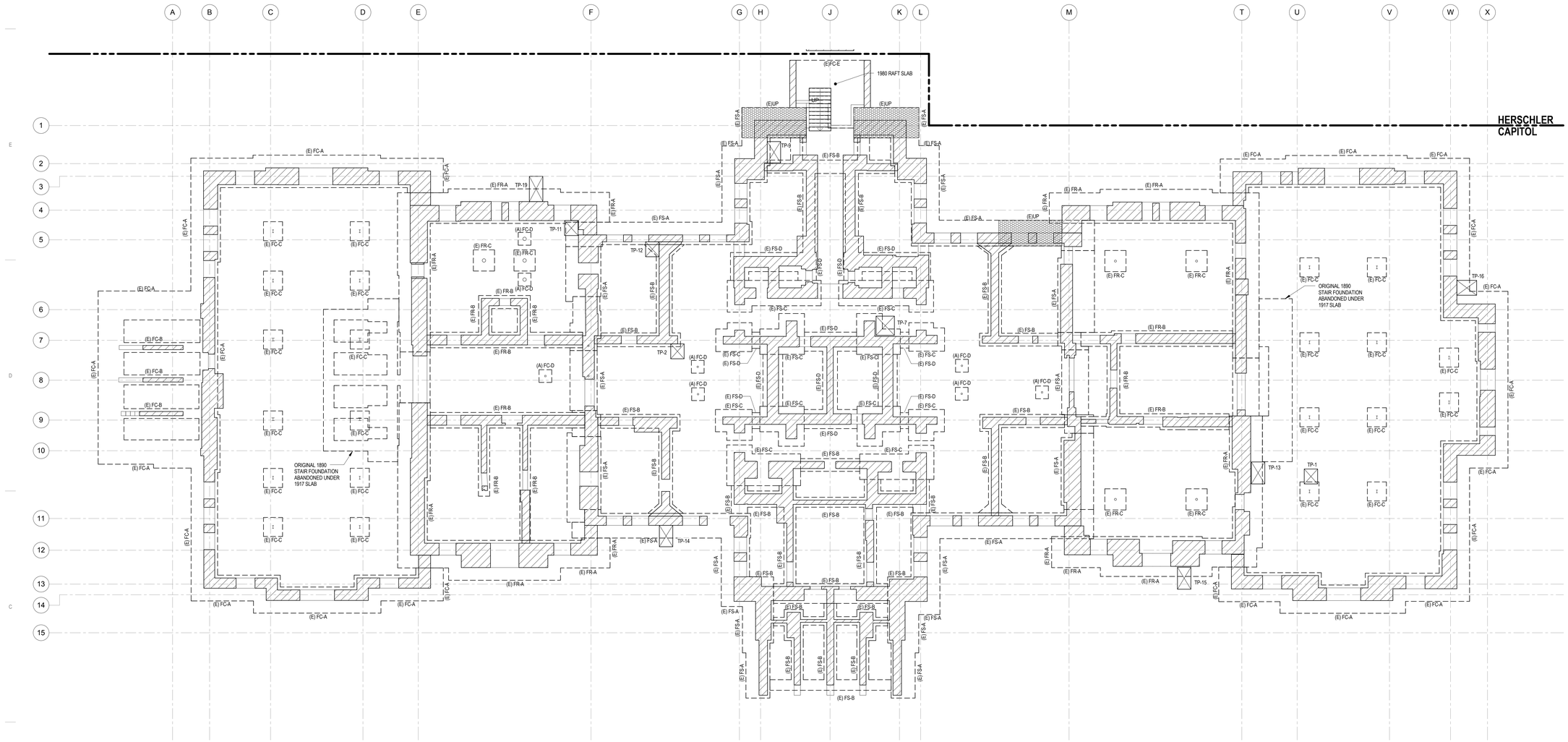
LANDSCAPE DETAILS (Capitol)

SCALE

2LD200

Schematic Design



1 2SF090 AS FOUND FOUNDATION PLAN

1" = 10'-0"

7'-6" 2'-6"

10'-0" 5'-0" 0 10'-0" 20'-0" 40'-0"

GENERAL NOTES

1. EXISTING GARDEN LEVEL TOP OF SLAB ELEVATION = (-11'-9")
2. EXISTING GARDEN LEVEL SLAB ON GRADE BRACES EXTERIOR RETAINING WALL.
3. BASED UPON TEST PITS, EXISTING FOOTING LAYOUT, GEOMETRY AND DEPTH VARIES. DIMENSION PROVIDED ARE BASED UPON WORST CASE OBSERVED.
4. CONDITION OF EXISTING FOOTINGS MAY VARY SIGNIFICANTLY.
5. SEE 1980 HERSCHLER ADDITION DRAWINGS S7 AND S20 FOR EXISTING RAFT SLAB AND NORTH WALL UNDERPINNING.
6. THERE IS A 2" EXPANSION JOINT BETWEEN THE HERSCHLER ADDITION AND THE CAPITOL BUILDING.
7. THE HERSCHLER ADDITION HAS A DEWATERING SYSTEM UNDER THE RAFT SLAB. IT IS UNCLEAR IF THERE IS A DEWATERING SYSTEM UNDER THE RAFT SLAB OF THE CAPITOL NORTH STAIR.
8. THE EXCAVATION FOR THE HERSCHLER ADDITION RESULTED IN NUMEROUS FAÇADE AND INTERIOR WALL CRACKS.

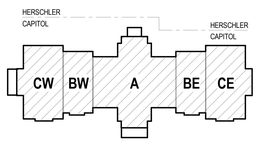
CONSTRUCTION NOTES

GRAPHIC LEGEND

- INDICATES EXISTING MASONRY WALL ABOVE
- INDICATES EXISTING MASONRY WALL BELOW
- INDICATES EXISTING HISTORIC ARCHITECTURAL WALL
- XX — WD INDICATES WOOD JOISTS; RC INDICATES REINFORCED CONCRETE; INDICATES SPAN OF EXISTING FLOOR CONSTRUCTION
- XX — MT INDICATES METAL ARCH; MS INDICATES MASONRY ARCH; INDICATES SPAN OF EXISTING ARCH
- (A) INDICATES ASSUMED CONSTRUCTION
- (E) INDICATES CONSTRUCTION AS OBSERVED AND VERIFIED IN FIELD
- INDICATES EXISTING METAL COLUMN
- INDICATES COLUMN UP/DOWN
- (X)XX INDICATES EXISTING BEAM

- (E)FC INDICATES EXISTING CONCRETE FOOTING
- (E)FS INDICATES EXISTING SOLID STONE FOOTING
- (E)FR INDICATES EXISTING RUBBLE STONE FOOTING
- (E)UP INDICATES EXISTING UNDERPINNING
- TP-# INDICATES TEST PIT LOCATION, SEE TEST PIT REPORT

KEY PLAN



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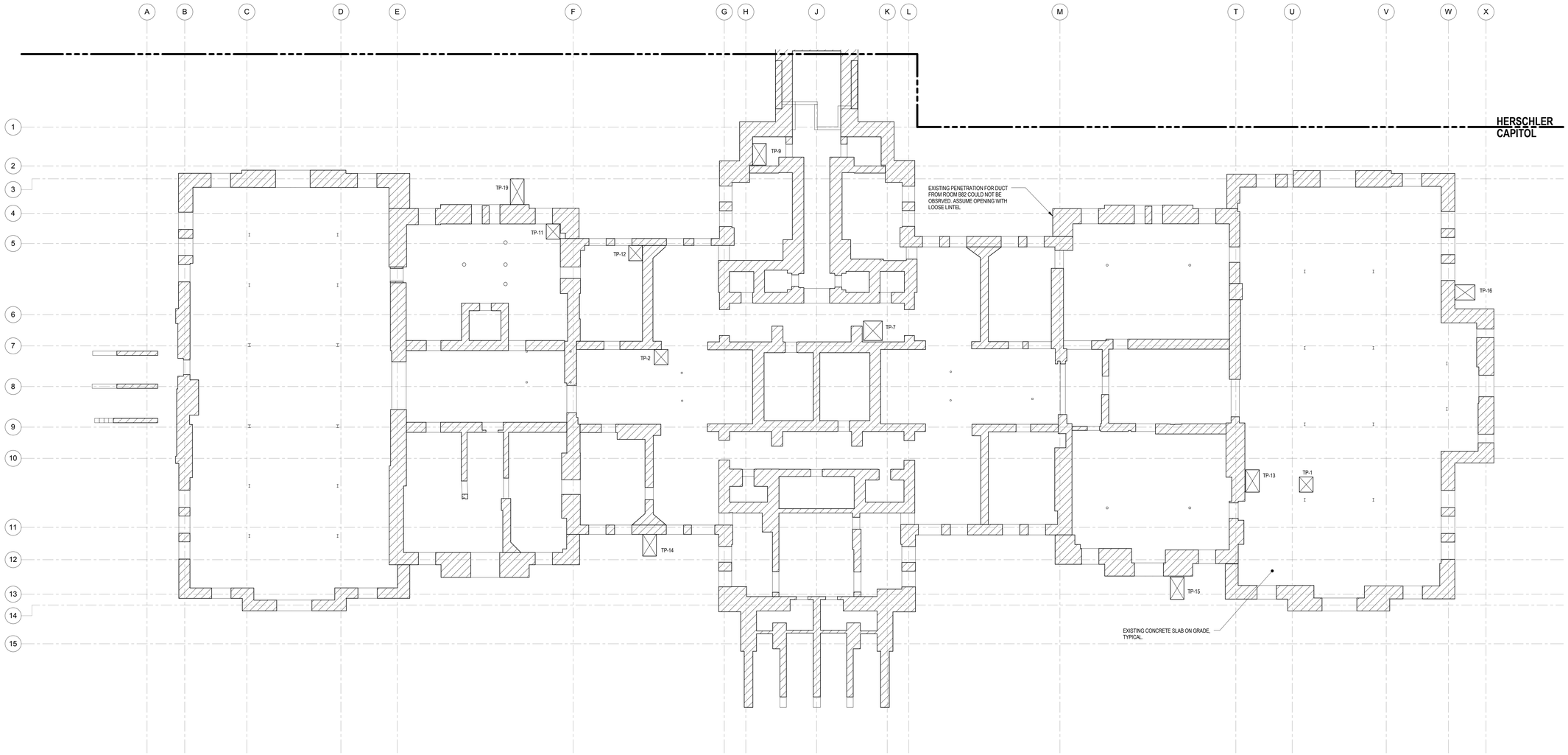
AS FOUND FOUNDATION

SCALE: As indicated

2SF090

Schematic Design



1 / 2SF100 AS FOUND GARDEN LEVEL PLAN

1" = 10'-0"

7'-6" 2'-6"

10'-0" 5'-0" 0 10'-0" 20'-0" 40'-0"

GENERAL NOTES

1. EXISTING GARDEN LEVEL TOP OF SLAB ELEVATION = (-11'-9")
2. EXISTING GARDEN LEVEL SLAB ON GRADE BRACES EXTERIOR RETAINING WALL.
3. BASED UPON TEST PITS, EXISTING SLAB IS 4" ABOVE TOP OF EXISTING FOOTING.

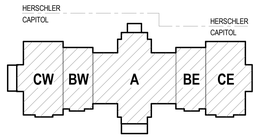
CONSTRUCTION NOTES

GRAPHIC LEGEND

- INDICATES EXISTING MASONRY WALL ABOVE
- INDICATES EXISTING MASONRY WALL BELOW
- INDICATES EXISTING HISTORIC ARCHITECTURAL WALL
- XX — WD INDICATES WOOD JOISTS; RC INDICATES REINFORCED CONCRETE; INDICATES SPAN OF EXISTING FLOOR CONSTRUCTION
- XX — MT INDICATES METAL ARCH; MS INDICATES MASONRY ARCH; INDICATES SPAN OF EXISTING ARCH
- (A) INDICATES ASSUMED CONSTRUCTION
- (E) INDICATES CONSTRUCTION AS OBSERVED AND VERIFIED IN FIELD
- INDICATES EXISTING METAL COLUMN
- INDICATES COLUMN UP/DOWN
- (X)XX INDICATES EXISTING BEAM

TP-# INDICATES TEST PIT LOCATION, SEE TEST PIT REPORT

KEY PLAN



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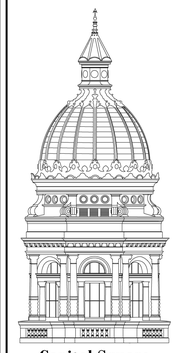
Construction Management



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HDR PDP RSA

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STRUCTURAL ENGINEERS

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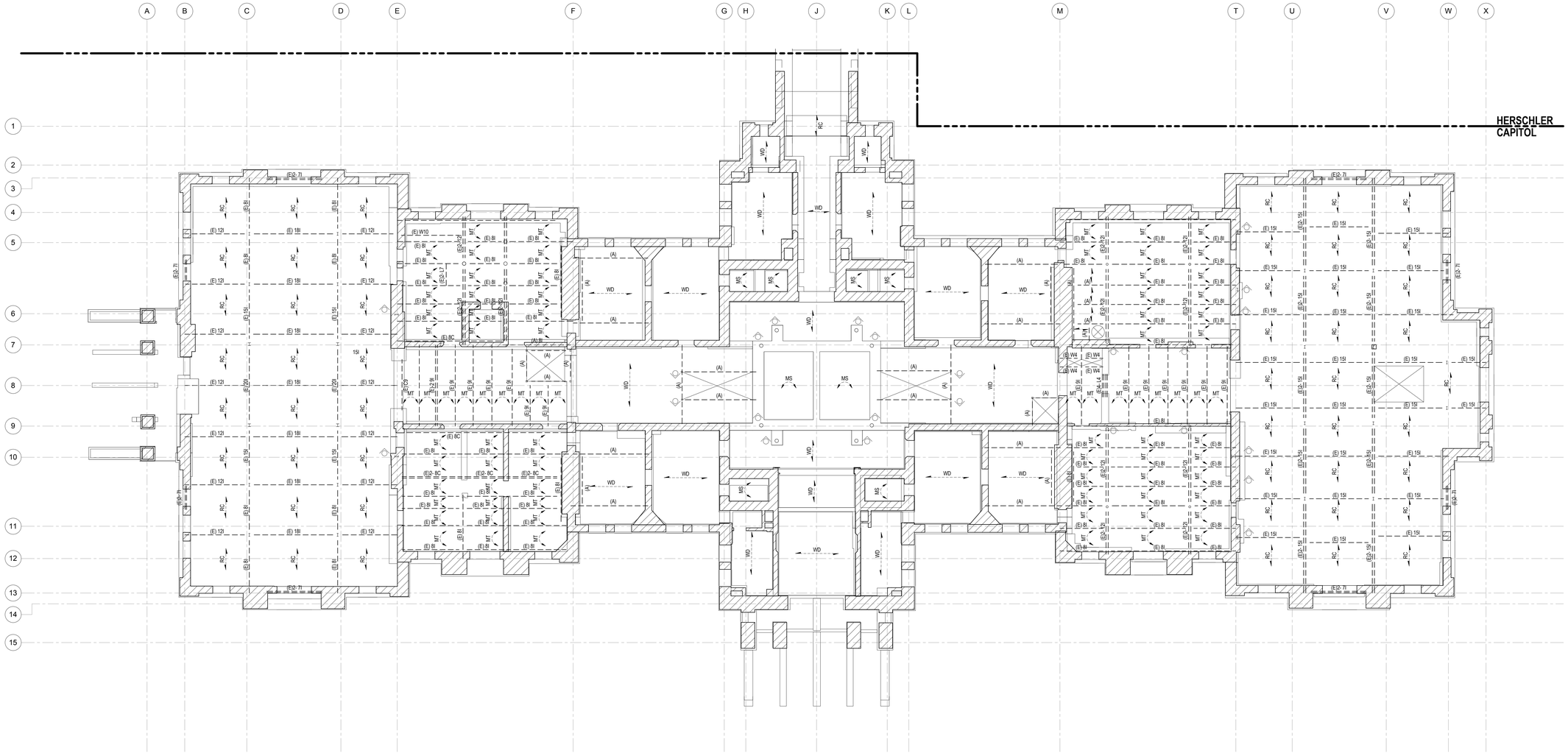
AS FOUND GARDEN LEVEL

SCALE As indicated

2SF100

Schematic Design



1 AS FOUND FIRST FLOOR FRAMING PLAN
2SF101 1" = 10'-0"

7'-6" 2'-6"
10'-0" 5'-0" 0 10'-0" 20'-0" 40'-0"

GENERAL NOTES

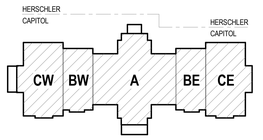
1. FRAMING PLANS FOR 1888 AND 1890 PHASES ARE BASED UPON LIMITED OBSERVATIONS FROM REMOVAL OF BASEMENT CEILING TILE. DIRECTION, SIZE, AND SPACING FROM FRAMING MAY VARY.
2. AS FOUND CONDITIONS IN 1888 AND 1890 PHASES VARY FROM 1888 DESIGN INTENT DRAWINGS.
3. AS FOUND CONDITIONS IN THE 1917 PHASE ARE REPRESENTATIVE OF THE 1917 DESIGN INTENT DRAWINGS.
4. FLOOR ASSEMBLY IS ASSUMED BASED UPON LIMITED PROBES AND OBSERVATIONS.

CONSTRUCTION NOTES

GRAPHIC LEGEND

- INDICATES EXISTING MASONRY WALL ABOVE
- INDICATES EXISTING MASONRY WALL BELOW
- INDICATES EXISTING HISTORIC ARCHITECTURAL WALL
- XX — WD INDICATES WOOD JOISTS; RC INDICATES REINFORCED CONCRETE; INDICATES SPAN OF EXISTING FLOOR CONSTRUCTION
- XX — MT INDICATES METAL ARCH; MS INDICATES MASONRY ARCH; INDICATES SPAN OF EXISTING ARCH
- (A) INDICATES ASSUMED CONSTRUCTION
- (E) INDICATES CONSTRUCTION AS OBSERVED AND VERIFIED IN FIELD
- INDICATES EXISTING METAL COLUMN
- INDICATES COLUMN UP/DOWN
- (X)XX INDICATES EXISTING BEAM

KEY PLAN



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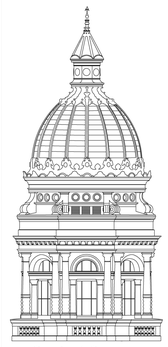

Capitol Square
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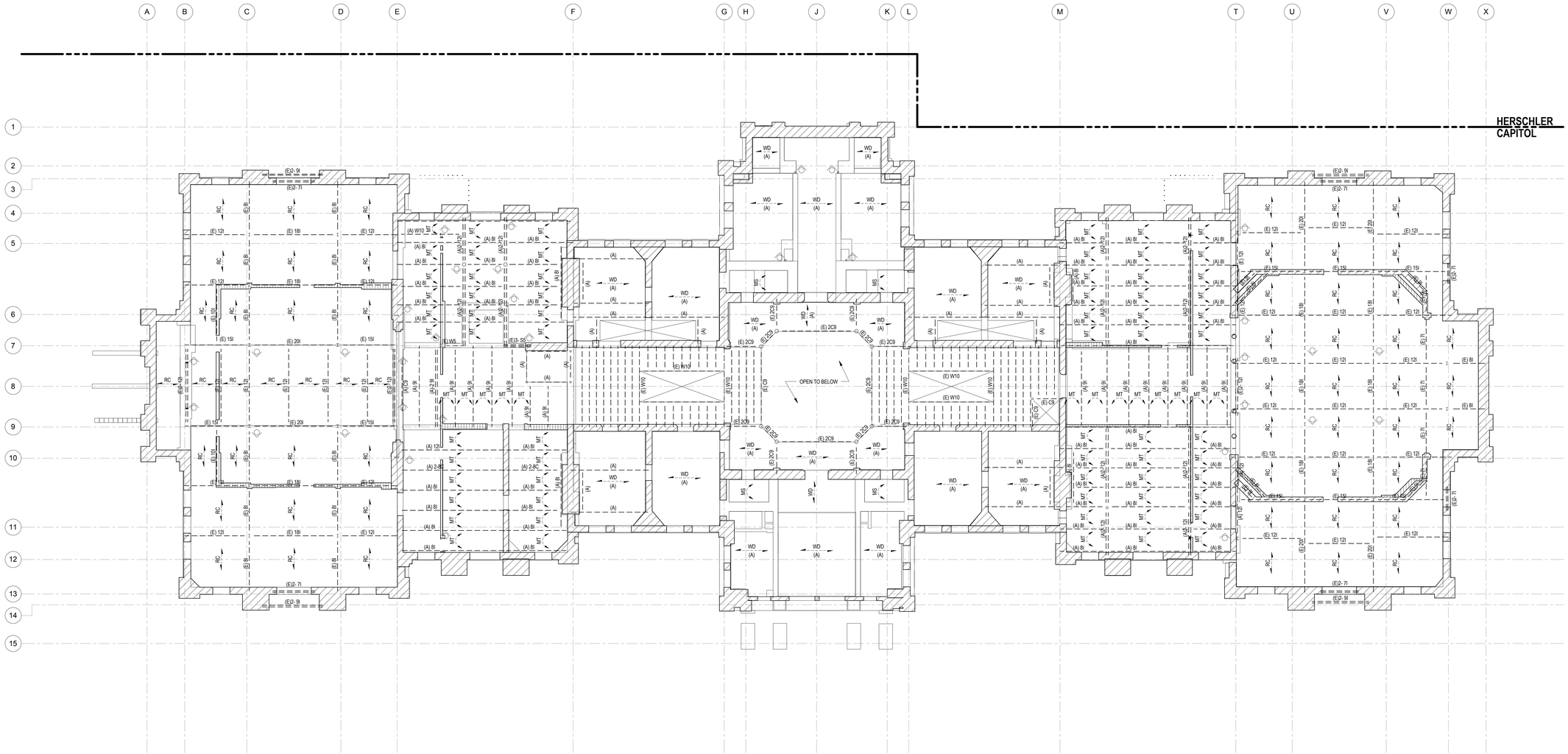
AS FOUND FIRST FLOOR

SCALE As indicated

2SF101

Schematic Design



1 AS FOUND SECOND FLOOR FRAMING PLAN
2SF102 1" = 10'-0"

7'-6" 2'-6"
10'-0" 5'-0" 0 10'-0" 20'-0" 40'-0"

GENERAL NOTES

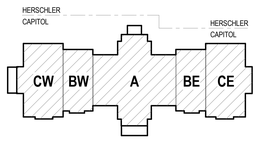
1. FRAMING PLANS FOR 1888 AND 1890 PHASES ARE BASED UPON ASSUMING THAT THE FRAMING IS SIMILAR TO THE FIRST FLOOR OBSERVATIONS. NDE HAS DETERMINED THAT IT IS NOT. THE BEAM SPACING AND LAYOUT IS DIFFERENT. EXISTING FRAMING WILL BE UPDATED PENDING NDE REPORT.
2. BASED UPON NDE, CONCRETE ON METAL DECK WAS ADDED TO THE WOOD FRAMING. FOR SD, ASSUME THAT ALL WOOD JOISTS NOT IN THE ROTUNDA HAVE CONCRETE ON METAL DECK ON WOOD JOISTS.
3. AS FOUND CONDITIONS IN 1888 AND 1890 PHASES VARY FROM 1888 DESIGN INTENT DRAWINGS.
4. AS FOUND CONDITIONS IN THE 1917 PHASE ARE REPRESENTATIVE OF THE 1917 DESIGN INTENT DRAWINGS.
5. FLOOR ASSEMBLY IS ASSUMED BASED UPON LIMITED PROBES AND OBSERVATIONS.

CONSTRUCTION NOTES

GRAPHIC LEGEND

- INDICATES EXISTING MASONRY WALL ABOVE
- INDICATES EXISTING MASONRY WALL BELOW
- INDICATES EXISTING HISTORIC ARCHITECTURAL WALL
- XX — WD INDICATES WOOD JOISTS; RC INDICATES REINFORCED CONCRETE; INDICATES SPAN OF EXISTING FLOOR CONSTRUCTION
- XX — MT INDICATES METAL ARCH; MS INDICATES MASONRY ARCH; INDICATES SPAN OF EXISTING ARCH
- (A) INDICATES ASSUMED CONSTRUCTION
- (E) INDICATES CONSTRUCTION AS OBSERVED AND VERIFIED IN FIELD
- INDICATES EXISTING METAL COLUMN
- INDICATES COLUMN UP/DOWN
- (X)XX INDICATES EXISTING BEAM

KEY PLAN



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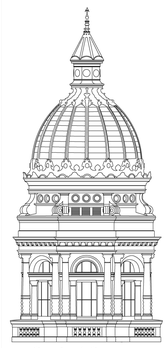
Construction Management



Capitol Square
Rehabilitation and Restoration

HDR PDP RSA

ROBERT SILMAN ASSOCIATES
STRUCTURAL ENGINEERS

PRELIMINARY
NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION
1	2014/12/19	SD OWNER REVIEW

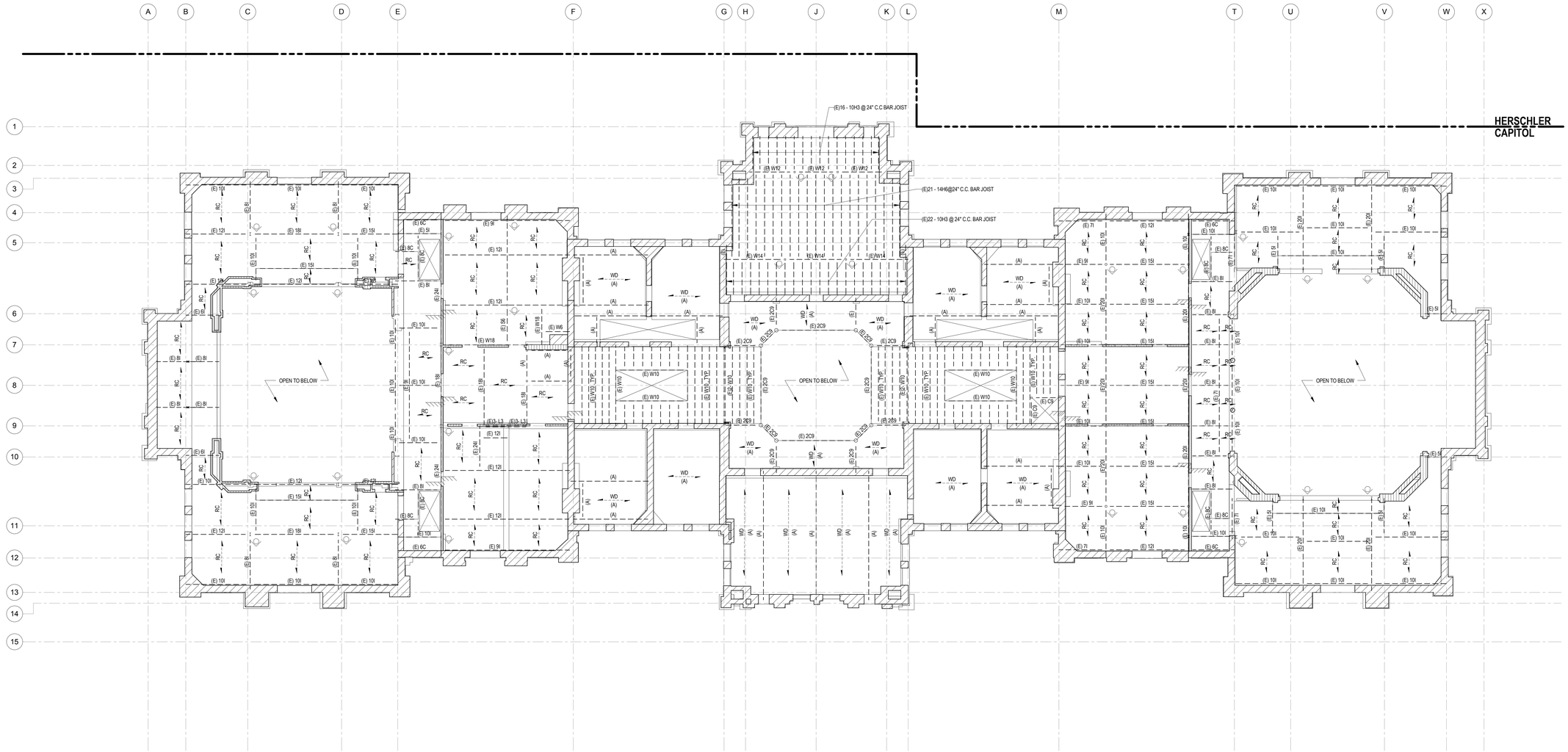
PROJECT NUMBER 203619
ORIGINAL ISSUE - -
PKG. IDENTIFIER 2

AS FOUND SECOND FLOOR

SCALE As indicated

2SF102

Schematic Design



1 2SF103 AS FOUND THIRD FLOOR FRAMING PLAN

1" = 10'-0"

7'-6" 2'-6"

10'-0" 5'-0" 0 10'-0" 20'-0" 40'-0"

GENERAL NOTES

1. FRAMING PLANS FOR 1888 AND 1890 PHASES ARE BASED UPON ASSUMING THAT THE FRAMING IS SIMILAR TO THE FIRST FLOOR OBSERVATIONS. NDE HAS DETERMINED THAT IT IS NOT. THE BEAM SPACING AND LAYOUT IS DIFFERENT. EXISTING FRAMING WILL BE UPDATED PENDING NDE REPORT.
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3. AS FOUND CONDITIONS IN 1888 AND 1890 PHASES VARY FROM 1888 DESIGN INTENT DRAWINGS.
4. AS FOUND CONDITIONS IN THE 1917 PHASE ARE REPRESENTATIVE OF THE 1917 DESIGN INTENT DRAWINGS.
5. FLOOR ASSEMBLY IS ASSUMED BASED UPON LIMITED PROBES AND OBSERVATIONS

CONSTRUCTION NOTES

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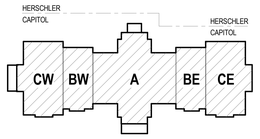
- (E) INDICATES CONSTRUCTION AS OBSERVED AND VERIFIED IN FIELD
- INDICATES EXISTING METAL COLUMN
- INDICATES COLUMN UP/DOWN
- IXIXX INDICATES EXISTING BEAM

KEY PLAN



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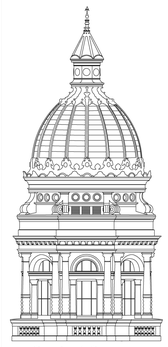
Construction Management



Capitol Square
Rehabilitation and Restoration

HDR PDP RSA

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STRUCTURAL ENGINEERS

PRELIMINARY
NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION
1	2014/12/19	SD OWNER REVIEW

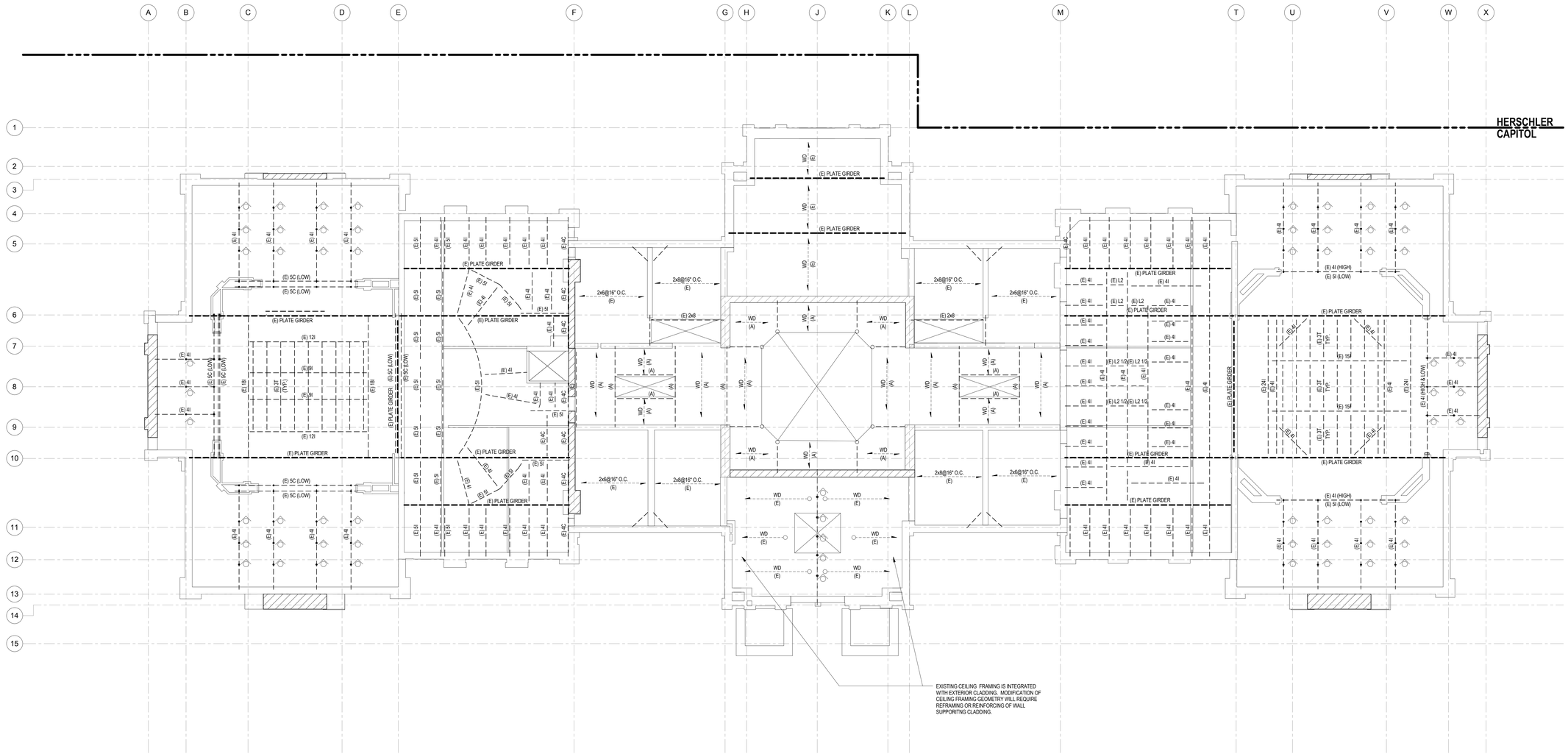
PROJECT NUMBER 203619
ORIGINAL ISSUE - -
PKG. IDENTIFIER 2

AS FOUND THIRD FLOOR

SCALE As indicated

2SF103

Schematic Design



1 / 2SF104 AS FOUND ATTIC 1 PLAN

1" = 10'-0"

7'-6" 2'-6"

10'-0" 5'-0" 0 10'-0" 20'-0" 40'-0"

GENERAL NOTES

1. FRAMING PLANS FOR BASED UPON DOCUMENTATION OF EXPOSED MEMBERS IN THE ATTIC.
2. AS FOUND CONDITIONS IN 1888 AND 1890 PHASES VARY FROM 1888 DESIGN INTENT DRAWINGS.
3. AS FOUND CONDITIONS IN THE 1917 PHASE ARE REPRESENTATIVE OF THE 1917 DESIGN INTENT DRAWINGS.

CONSTRUCTION NOTES

GRAPHIC LEGEND

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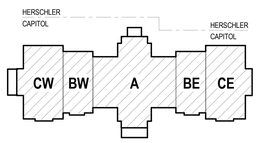
- (A) INDICATES ASSUMED CONSTRUCTION
- (E) INDICATES CONSTRUCTION AS OBSERVED AND VERIFIED IN FIELD
- INDICATES EXISTING METAL COLUMN
- INDICATES COLUMN UP/DOWN
- (X)XX INDICATES EXISTING BEAM

KEY PLAN



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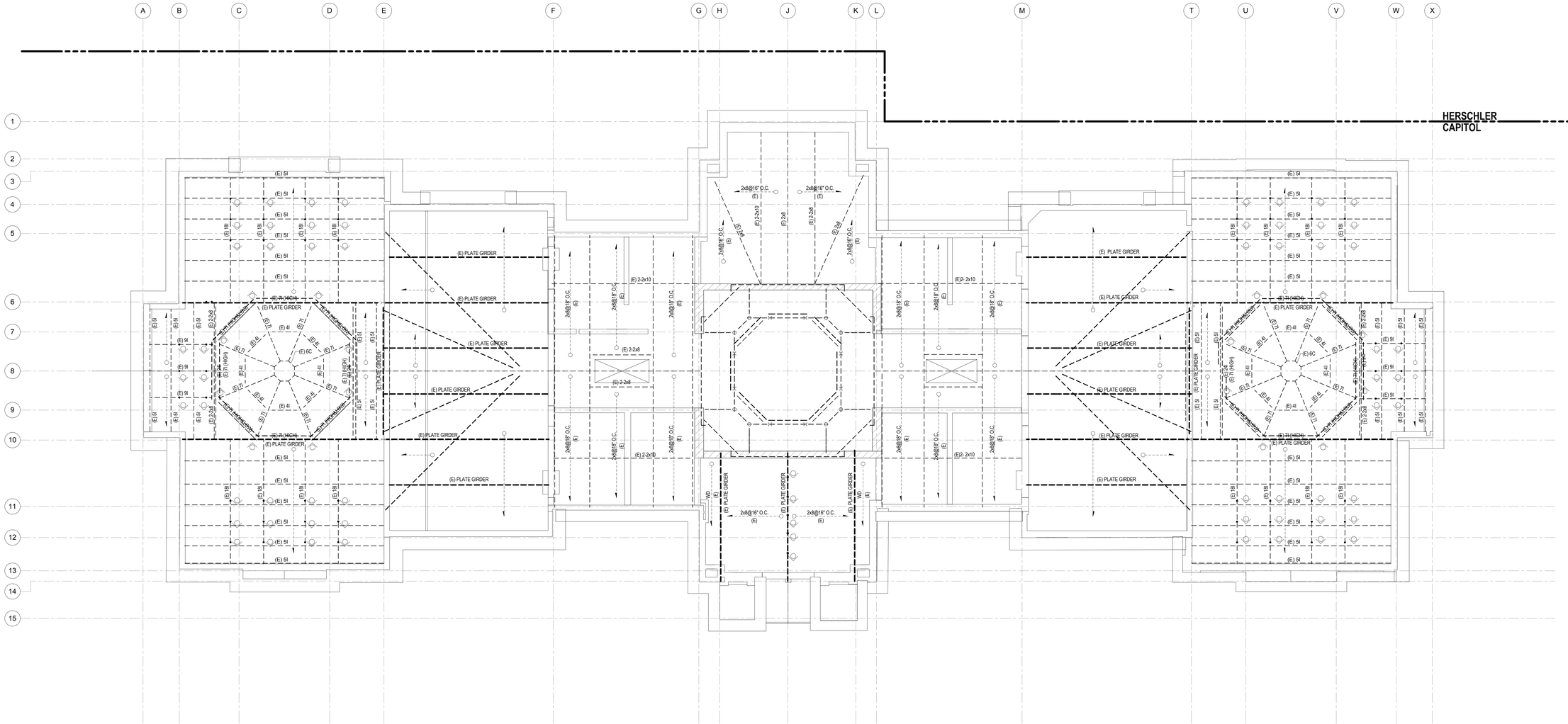
PKG. IDENTIFIER	2

AS FOUND ATTIC 1 PLAN

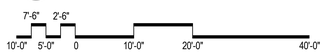
SCALE: As indicated

2SF104

Schematic Design



1 AS FOUND CAPITOL ROOF FRAMING PLAN
2SF105 1" = 10'-0"



GENERAL NOTES

1. FRAMING PLANS FOR BASED UPON DOCUMENTATION OF EXPOSED MEMBERS IN THE ATTIC AND 1917 DESIGN INTENT DRAWINGS.
2. AS FOUND CONDITIONS IN 1888 AND 1890 PHASES VARY FROM 1888 DESIGN INTENT DRAWINGS.
3. AS FOUND CONDITIONS IN THE 1917 PHASE ARE REPRESENTATIVE OF THE 1917 DESIGN INTENT DRAWINGS.

CONSTRUCTION NOTES

GRAPHIC LEGEND

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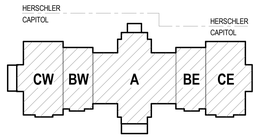
- (A) INDICATES ASSUMED CONSTRUCTION
- (E) INDICATES CONSTRUCTION AS OBSERVED AND VERIFIED IN FIELD
- INDICATES EXISTING METAL COLUMN
- INDICATES COLUMN UP/DOWN
- (X)XX INDICATES EXISTING BEAM
- INDICATES SLOPE OF EXISTING JOISTS/RAFTERS

KEY PLAN



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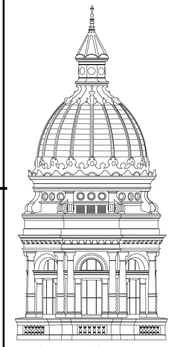
State of Wyoming

Administration & Information
Construction Management



Capitol Square
Rehabilitation and Restoration

HDR PDP RSA

ROBERT SILMAN ASSOCIATES
STRUCTURAL ENGINEERS

PRELIMINARY
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MARK	DATE	DESCRIPTION
1	2014/12/19	SD OWNER REVIEW

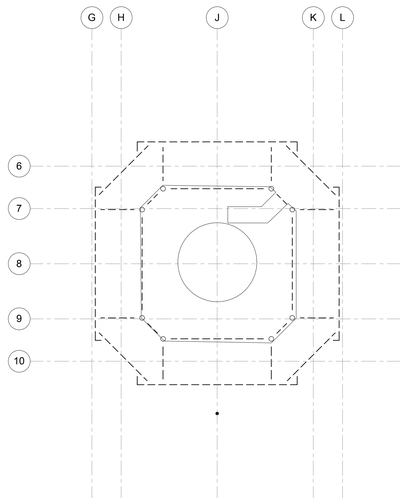
PROJECT NUMBER	203619
ORIGINAL ISSUE	---
PKG. IDENTIFIER	2

AS FOUND ROOF FRAMING PLAN

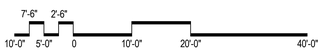
SCALE	As indicated

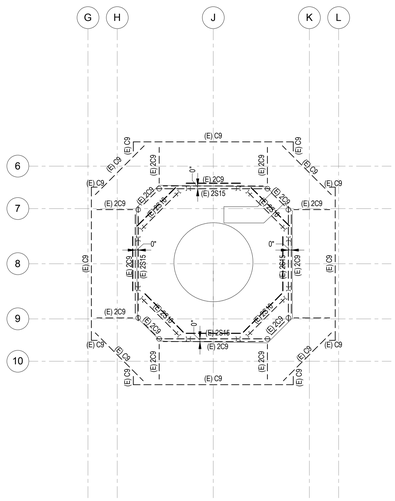
2SF105

Schematic Design

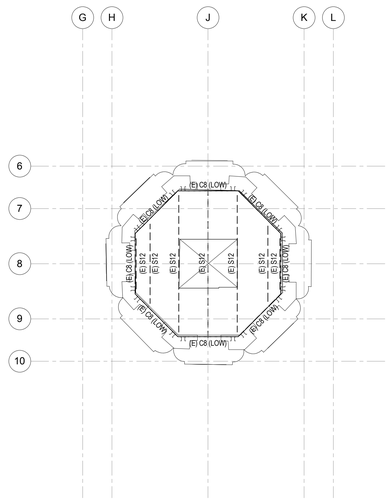


1 2SF106 AS FOUND CAPITOL ATTIC 2 PLAN
1" = 10'-0"

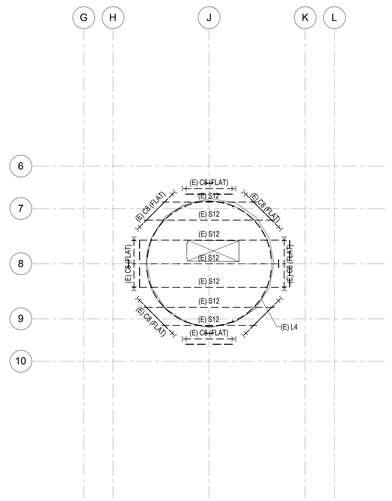




2 2SF106 AS FOUND ATTIC 2A PLAN
1" = 10'-0"



3 2SF106 AS FOUND CAPITOL DOME 1 PLAN
1" = 10'-0"



4 2SF106 AS FOUND CAPITOL DOME 2 PLAN
1" = 10'-0"

GENERAL NOTES

1. FRAMING PLANS FOR BASED UPON DOCUMENTATION OF EXPOSED MEMBERS IN THE ATTIC AND 1917 DESIGN INTENT DRAWINGS.
2. AS FOUND CONDITIONS OF THE DOME VARY FROM 1888 DESIGN INTENT DRAWINGS.

CONSTRUCTION NOTES

GRAPHIC LEGEND

- INDICATES EXISTING MASONRY WALL ABOVE
- INDICATES EXISTING MASONRY WALL BELOW
- INDICATES EXISTING HISTORIC ARCHITECTURAL WALL
- XX — WD INDICATES WOOD JOISTS; RC INDICATES REINFORCED CONCRETE; INDICATES SPAN OF EXISTING FLOOR CONSTRUCTION
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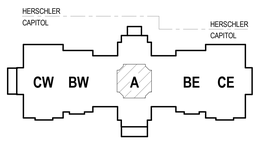
- INDICATES EXISTING METAL COLUMN
- INDICATES COLUMN UP/DOWN
- (X)XX INDICATES EXISTING BEAM

KEY PLAN



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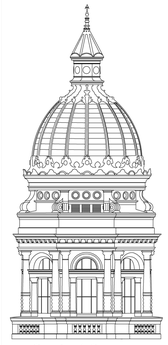
Construction Management



Capitol Square
Rehabilitation and Restoration

HDR PDP RSA ARCHITECTS

ROBERT SILMAN ASSOCIATES
STRUCTURAL ENGINEERS

PRELIMINARY
NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION
1	2014/12/19	SD OWNER REVIEW

PROJECT NUMBER	203619
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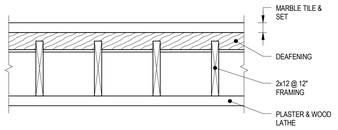
PKG. IDENTIFIER	2

AS FOUND ATTIC 2, DOME 1 AND 2 FRAMING PLAN (INTERIOR)

SCALE	As indicated

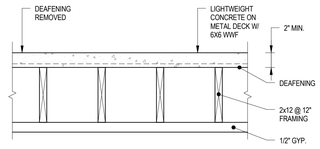
2SF106

Schematic Design



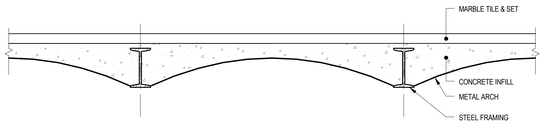
TYPICAL DETAIL - 1888 WOOD JOIST CONSTRUCTION

1" = 1'-0"



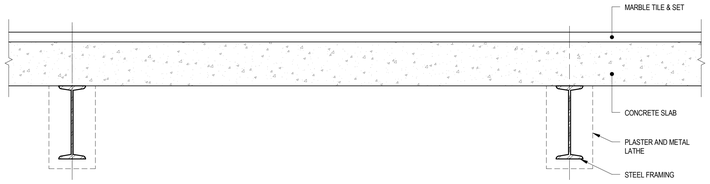
TYPICAL DETAIL - MODIFIED 1888 WOOD JOIST CONSTRUCTION

1" = 1'-0"



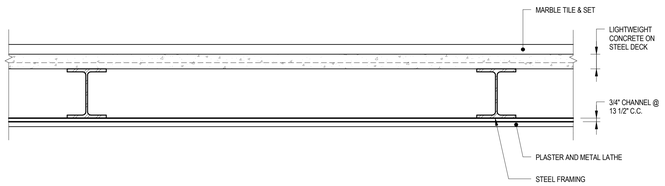
TYPICAL DETAIL - 1890 METAL ARCH CONSTRUCTION

1" = 1'-0"



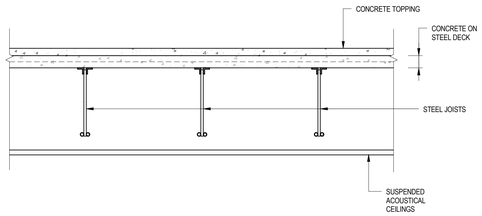
TYPICAL DETAIL-1917 CONCRETE SLAB ON STEEL BEAM CONSTRUCTION

1" = 1'-0"



TYPICAL DETAIL- STEEL DECK ON STEEL BEAM CONSTRUCTION

1" = 1'-0"



TYPICAL DETAIL- STEEL DECK ON STEEL JOIST CONSTRUCTION

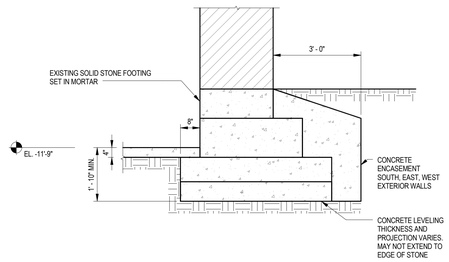
1" = 1'-0"

EXISTING FOOTING SCHEDULE

		TOP OF FOOTING (H_1)	BOTTOM OF FOOTING (H_2)	INTERIOR PROJECTION (B_1)	EXTERIOR PROJECTION (B_2)
1888 SOLID STONE FOOTING	(E) FS-X				
EXTERIOR WALL	(E) FS-A	-12'-1"	-13'-11"	0'-8"	3'-0"
INTERIOR WALL	(E) FS-B	-12'-1"	-13'-11"	0'-8"	0'-8"
INTERIOR AT ROTUNDA	(E) FS-C	-12'-1"	-15'-5"	1'-9"	1'-9"
INTERIOR AT ROTUNDA	(E) FS-D	-12'-1"	-13'-11"	1'-0"	1'-0"
1890 RUBBLE STONE FOOTINGS	(E) FR-X				
EXTERIOR WALL	(E) FR-A	-12'-1"	-13'-11"	0'-8"	3'-0"
INTERIOR WALL	(E) FR-B	-12'-1"	-13'-11"	0'-8"	0'-8"
ISOLATED FOOTING	(E) FR-C	-12'-1"	-13'-11"	5'-0"x5'-0"	N/A
1917 CONCRETE FOOTINGS	(E) FC-X				
EXTERIOR WALL	(E) FC-A	-12'-1"	-13'-11"	0'-8"	3'-0"
INTERIOR WALL	(E) FC-B	-12'-1"	-13'-11"	0'-8"	0'-8"
ISOLATED FOOTING	(E) FC-C	-12'-1"	-13'-11"	4'-6"x4'-6"	N/A
POST 1917 FOUNDATION	(E) FC-D	FOOTING UNKNOWN			
HERSCHLER FOUNDATION	(E) FC-E	30" RAFT SLAB, SEE HERSCHLER DESIGN INTENT DRAWINGS S7 AND S20			

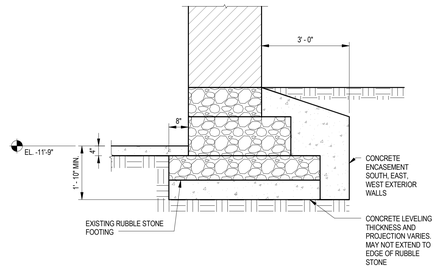
NOTES:

1. TOP OF EXISTING SLAB ON GRADE AT ELEVATION (-11'-9").
2. TOP OF EXISTING FOOTING VARIES. BASED ON TEST PITS, TOP OF FOOTING 4" BELOW TOP OF EXISTING SLAB ON GRADE.
3. BOTTOM OF EXISTING FOOTING VARIES. BASED ON TEST PITS, BOTTOM OG TYPICAL FOOTING VARIES FROM 22" TO 30" BELOW TOP OF SLAB.
4. FOR EXCAVATION, IT HAS BEEN ASSUMED A MINIMUM FOOTING THICKNESS OF 18". FOOTINGS MAY BE DEEPER.
5. FOOTINGS ARE DEEPER AT THE PRIMARY DOME SUPPORTS.
6. FOOTING WIDTH AND PROJECT FROM WALL VARIES. PROJECTS ASSUME TYPICAL CASE BASED UPON TEST PITS.
7. AT TEST PIT, FOOTING FC-C WAS NOT CENTERED ON THE FOOTING AS INDICATED ON THE ORIGINAL DRAWINGS. FOR EXCAVATION, ASSUME 6'-0" CLEAR FROM COLUMN CENTER LINE TO REMAIN EACH DIRECTION.



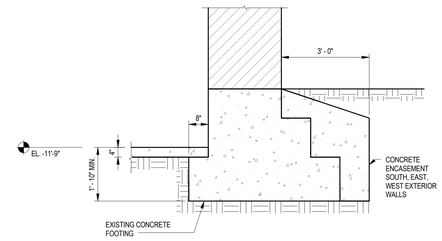
TYPICAL SECTION-(E) FS-A: 1888 SOLID STONE FOOTING

1/2" = 1'-0"



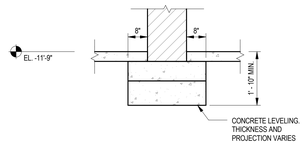
TYPICAL SECTION-(E) FR-A: 1890 RUBBLE STONE FOOTING

1/2" = 1'-0"



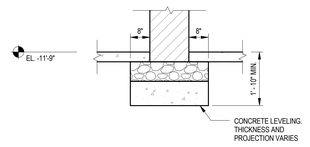
TYPICAL SECTION-(E) FC-A: 1917 CONCRETE FOOTING

1/2" = 1'-0"



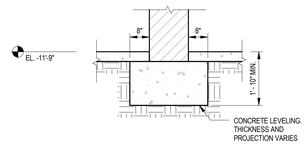
TYPICAL SECTION-(E) FS-B: 1888 SOLID STONE FOOTING

1/2" = 1'-0"



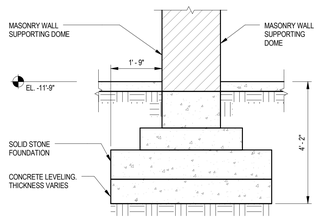
TYPICAL SECTION-(E) FR-B: 1890 RUBBLE STONE FOOTING

1/2" = 1'-0"



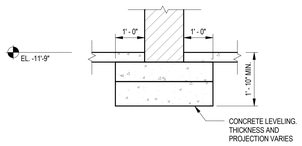
TYPICAL DETAIL-(E) FC-B: 1917 CONCRETE FOOTING

1/2" = 1'-0"



TYPICAL DETAIL-(E) FS-C: 1888 INTERIOR FOOTING

1/2" = 1'-0"



TYPICAL DETAIL-(E) FS-D: 1888 SOLID STONE FOOTING

1/2" = 1'-0"

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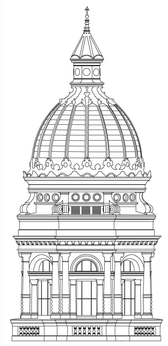

Capitol Square
Rehabilitation and Restoration

HDR PDP RSA

ROBERT SILMAN ASSOCIATES
STRUCTURAL ENGINEERS

PRELIMINARY
NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION
1	2014/12/19	SD OWNER REVIEW

PROJECT NUMBER 203619
ORIGINAL ISSUE - -
PKG. IDENTIFIER 2

PROPOSED
EXISTING
ASSEMBLY
TYPICAL DETAILS

SCALE As indicated

2SF501

Schematic Design

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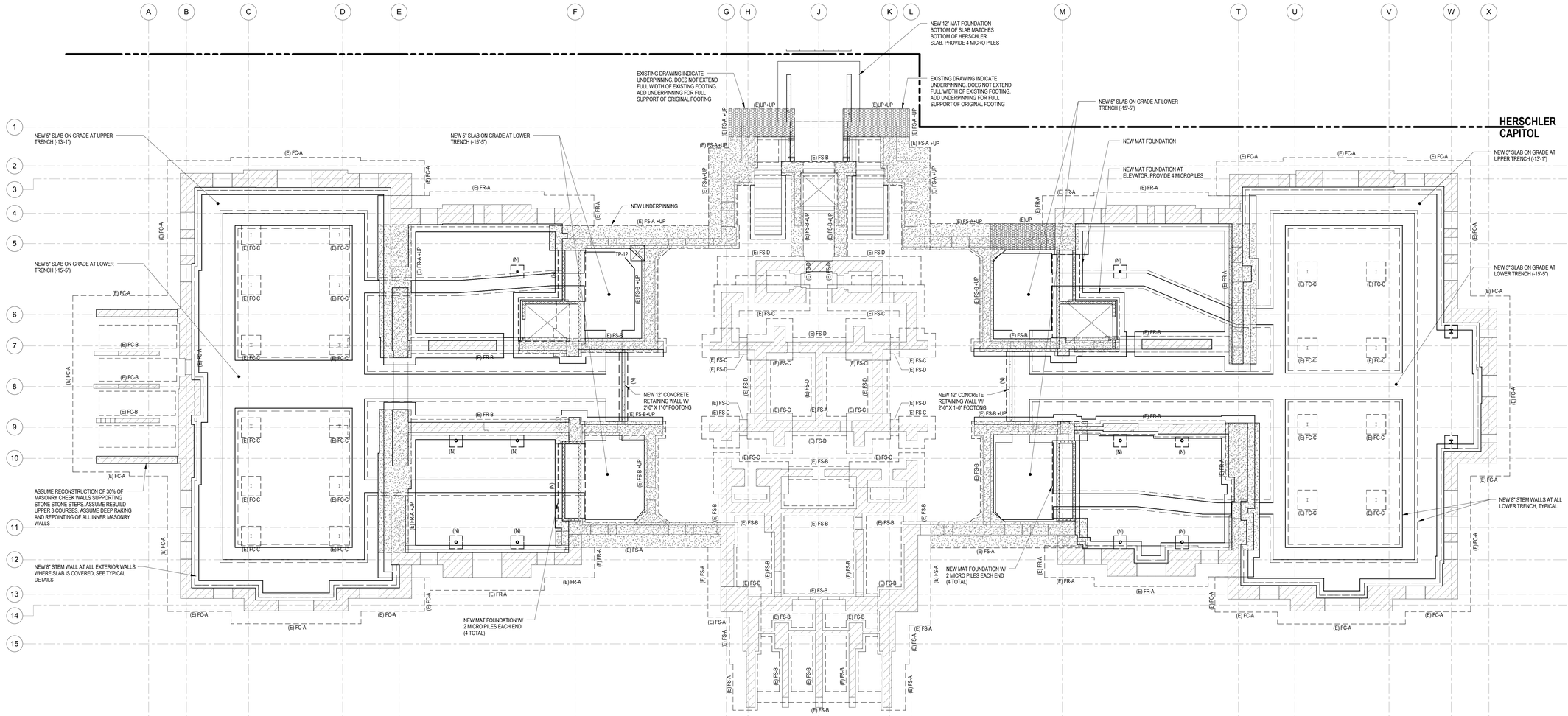


1 FOUNDATION PLAN
2ST090 1" = 10'-0"

7'-6" 2'-6"
10'-0" 5'-0" 0 10'-0" 20'-0" 40'-0"

GENERAL NOTES

1. SEE ARCHITECTURAL AND MECHANICAL FOR EXTENT OF TRENCHING FOR UPPER AND LOWER TRENCHING.
2. TOP OF SLAB AT LOWER TRENCH (-3'-8) FROM GARDEN LEVEL AT ELEVATION = (-15'-5")
3. TOP OF SLAB AT UPPER TRENCH (-1'-4") FROM GARDEN LEVEL AT ELEVATION = (-13'-1")
4. UNDERPINNING LAYOUT ASSUMES MAINTAINING 1V:1.5H FROM BOTTOM OF EXISTING FOOTING PER GEOTECHNICAL REPORT. SHEETING AND SHORING REQUIRED IN LOCATIONS WHERE EXCAVATION EXCEEDS 1V:1.5H.
5. WHERE NEW FOOTINGS ARE TO BE INSTALLED WITHIN THE INFLUENCE LINE OF EXISTING FOOTINGS, THE DEPTH OF NEW FOOTING SHALL BEAR ON UNDISTURBED SOIL NO DEEPER THAN EXISTING FOOTINGS. IF DEPTH OF NEW FOOTINGS MUST BE DEEPER THAN EXISTING FOR WHATEVER REASON, UNDERPINNING OF EXISTING FOOTINGS SHALL BE REQUIRED.
6. SOIL MODIFICATION MAY NEED TO BE PERFORMED TO KEEP SOIL IN UNDERPINNING SHAFTS STABLE DURING SOIL REMOVAL.
7. JACK POCKETS SHALL BE INSTALLED TO ALLOW PRELOADING OF EACH "PIN" AFTER THEY ARE FORMED AND POURED WHILE THE ALTERNATE PINS ARE EXCAVATED. CURING TIME ALLOWANCE FOR EACH FORMED UNDERPIN ELEMENT TO BE INCLUDED IN THE SCHEDULE OF PROCEDURES.
8. FOR DEEP UNDERPINNING AT NORTH STAIR, THE UNDERPINNING WILL INCLUDE A TWO-STEP CONCRETE FORMING PROCEDURE. TO MINIMIZE DAMAGE TO EXISTING RUBBLE WALL FOOTINGS, INSTALL A REINFORCED BOND BEAM USING UNDERPINNING PROCEDURES OF ALTERNATING LOCATIONS OF INSTALLATION FIRST. THEN UNDERPINNING TO FULL DEPTH CAN BE PERFORMED.
9. EXISTING GARDEN LEVEL SLAB ON GRADE BRACES EXTERIOR RETAINING WALL. REMOVAL OF EXISTING SLAB AND CONSTRUCTION OF NEW STEM WALL AND SLAB SHALL BE SEQUENCED TO MAINTAIN BRACING OF EXTERIOR WALL.
10. BASED UPON TEST PITS, EXISTING FOOTING LAYOUT, GEOMETRY AND DEPTH VARIES. DIMENSION PROVIDED ARE BASED UPON WORST CASE OBSERVED.
11. CONDITION OF EXISTING FOOTINGS MAY VARY. ASSUME PATCHING AND REPAIR OF EXISTING INTERIOR CONCRETE FOOTINGS. ASSUME REPOINTING AND GROUT INJECTION OF EXISTING INTERIOR RUBBLE STONE AND INTERIOR SOLID STONE FOUNDATIONS.
12. EXTENT OF CONCRETE LEVELING BELOW EXISTING STONE AND RUBBLE STONE FOUNDATIONS VARIES. CUT AS REQUIRED FOR NEW MEP. FILL WITH CONCRETE BELOW IF LEVELING DOES NOT EXTEND TO EDGE OF FOOTING.
13. MODIFICATION OF EXISTING FOOTINGS SHALL BE COMPLETED USING LOW IMPACT METHODS TO PREVENT DAMAGE TO MASONRY WALL.
14. EXISTING EXTERIOR FOOTINGS SHALL BE NOTCHED AT EACH WINDOW FOR NEW MECHANICAL UNITS. SEE ARCHITECTURAL AND MECHANICAL.
15. SEE ARCHITECTURAL AND MECHANICAL FOR EXCAVATION FOR SMOKE EVACUATION TRENCH THAT IS ADJACENT TO THE ROTUNDA AND DOME FOUNDATIONS. SHEETING AND SHORING OF FOUNDATIONS SUPPORTING THE ROTUND AND DOME MAY BE REQUIRED. THESE SYSTEMS WILL BE DIRECT BURIED BELOW THE ROTUNDA SLAB. UNDERPINNING MAY BE REQUIRED PENDING FINAL LAYOUT OF SOME EVACUATION TRENCH.
16. MICROPILES SPECIFIED DUE TO DIFFERENTIAL SETTLEMENT BETWEEN THE NEW AND EXISTING FOUNDATION. FINAL REVIEW BY GEOTECHNICAL ENGINEER WILL BE PROVIDED IN DESIGN DEVELOPMENT.
17. ASSUME NEW UPSET CONCRETE REINFORCING BEAM AT ALL CROSSINGS OF UPPER OR LOWER TRENCHES AND EXISTING MASONRY WALLS. SEE ARCHITECTURAL AND MECHANICAL FOR LOCATIONS.
18. ASSUME NEW UPSET CONCRETE REINFORCING BEAM AT ALL NEW CMU WALLS ON GRID F AND M TO ALLOW MEP SYSTEM TO PASS THROUGH UPPER AND LOWER TRENCHES.
19. THE MASONRY WALLS ON GRID F AND M ARE PART OF THE BUILDING LATERAL SYSTEMS. THE REMOVAL OF THE WALLS FOR THE NEW CHASES AND ELEVATOR SHALL BE SEQUENCED SUCH THAT THE BUILDING IS STABLE. TEMPORARY BRACING MAY BE REQUIRED.

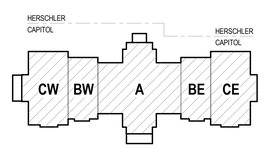
CONSTRUCTION NOTES

GRAPHIC LEGEND

- INDICATES EXISTING MASONRY WALL ABOVE
- INDICATES EXISTING MASONRY WALL BELOW
- INDICATES EXISTING HISTORIC ARCHITECTURAL WALL
- WD INDICATES WOOD JOISTS; RC INDICATES REINFORCED CONCRETE — XX INDICATES SPAN OF EXISTING FLOOR CONSTRUCTION
- MT INDICATES METAL ARCH; MS INDICATES MASONRY ARCH — XX INDICATES SPAN OF EXISTING ARCH
- (A) INDICATES ASSUMED CONSTRUCTION
- (E) INDICATES CONSTRUCTION AS OBSERVED AND VERIFIED IN FIELD
- INDICATES EXISTING METAL COLUMN
- INDICATES COLUMN UP/DOWN
- (X)XX INDICATES EXISTING BEAM

- (E)FC-X INDICATES EXISTING CONCRETE FOOTING. SEE SCHEDULE ON 2SF501
- (E)FS-X INDICATES EXISTING SOLID STONE FOOTING. SEE SCHEDULE ON 2SF501
- (E)FR-X INDICATES EXISTING RUBLE STONE FOOTING. SEE SCHEDULE ON 2SF501
- (E)UP INDICATES EXISTING UNDERPINNING
- +UP INDICATES NEW UNDERPINNING. FULL WIDTH OF EXISTING FOOTING EXTEND 1'-0" BELOW NEW SLAB
- INDICATES NEW CMU WALL WITH #5 @ 8" ON CENTER
- (N) INDICATES NEW FOOTING

KEY PLAN



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PROJECT NUMBER 203619
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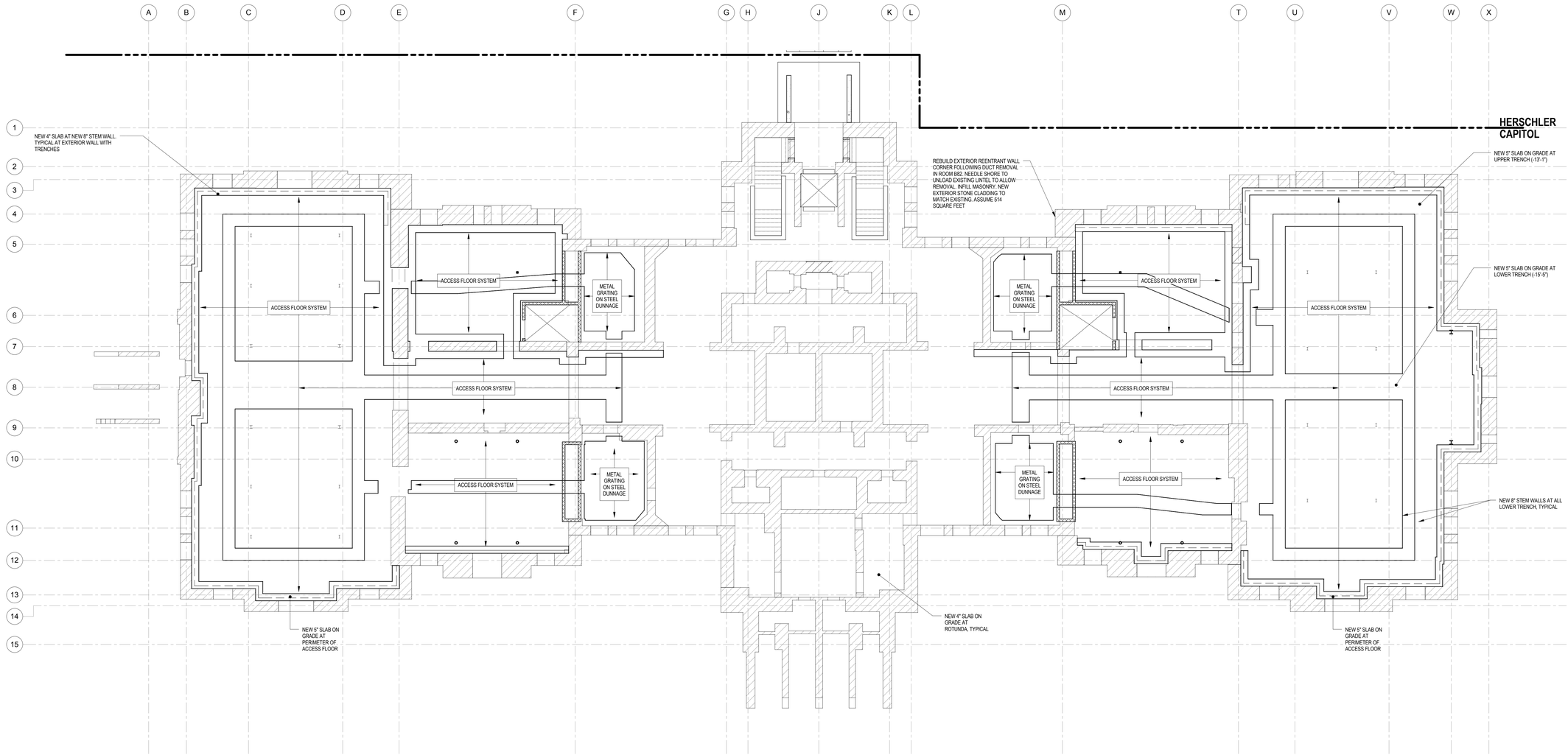
PKG. IDENTIFIER 2

FOUNDATION PLAN

SCALE As indicated

2ST090

Schematic Design



1 GARDEN LEVEL PLAN
2ST100 1" = 10'-0"

7'-6" 2'-6"
10'-0" 5'-0" 0 10'-0" 20'-0" 40'-0"

GENERAL NOTES

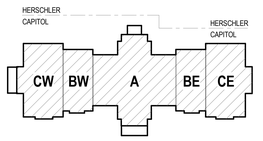
1. NEW SLAB ON GRADE AT ROTUNDA AT ELEVATION +/-(-11'-9").
2. SEE ARCHITECTURAL AND MECHANICAL FOR EXTENT OF ACCESS FLOOR SYSTEM ABOVE UPPER AND LOWER TRENCHING. ACCESS FLOOR SUPPLIER SHALL PROVIDE ANY SUPPORT STRUCTURE REQUIRED AT THE LOWER TRENCHING.
3. FOR SD ASSUME SLAB ON GRADE SHALL BE PROVIDED AROUND THE ROTUNDA FOR BRACING OF THE DOME SUPPORT WALLS. NO PERMANENT TRENCHING IN AREA SHOWN AS NEW SLAB ON GRADE.
4. THE MASONRY WALLS ON GRID F AND M ARE PART OF THE BUILDING LATERAL SYSTEMS. THE REMOVAL OF THE WALLS FOR THE NEW CHASES AND ELEVATOR SHALL BE SEQUENCED SUCH THAT THE BUILDING IS STABLE. TEMPORARY BRACING MAY BE REQUIRED.

CONSTRUCTION NOTES

GRAPHIC LEGEND

- INDICATES EXISTING MASONRY WALL ABOVE
- INDICATES EXISTING MASONRY WALL BELOW
- WD INDICATES WOOD JOISTS; RC INDICATES REINFORCED CONCRETE; XX INDICATES SPAN OF EXISTING FLOOR CONSTRUCTION
- MT INDICATES METAL ARCH; MS INDICATES MASONRY ARCH; XX INDICATES SPAN OF EXISTING ARCH
- (A) INDICATES ASSUMED CONSTRUCTION
- (F) INDICATES CONSTRUCTION AS OBSERVED AND VERIFIED IN FIELD
- INDICATES EXISTING METAL COLUMN
- INDICATES COLUMN UP/DOWN
- (E)W8 INDICATES EXISTING STEEL BEAM
- (E)W8 INDICATES EXISTING STEEL BEAM TO BE DEMOLISHED
- INDICATES NEW STEEL COLUMN
- W8X10 INDICATES NEW STEEL BEAM
- INDICATES NEW CMU WALL
- INDICATES EXISTING HISTORIC ARCHITECTURAL WALLS
- INDICATES 3 1/2" LIGHTWEIGHT CONCRETE ON 2", 18-GAGE COMPOSITE METAL DECK. REINFORCE WITH 6X6-W2.0XW2.0 W.W.F

KEY PLAN



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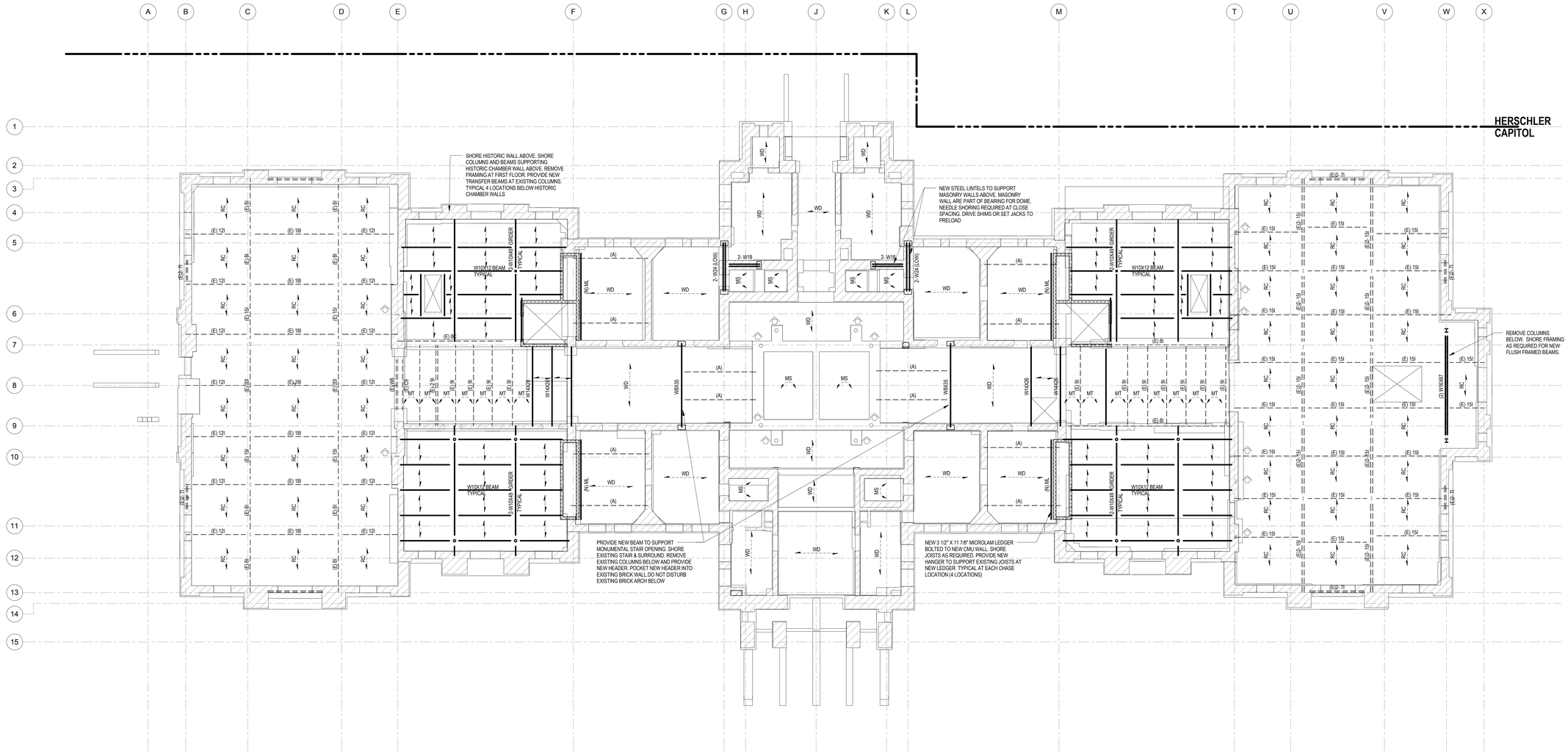
ORIGINAL ISSUE - - -
PKG. IDENTIFIER 2

PROPOSED GARDEN LEVEL PLAN

SCALE As indicated

2ST100

Schematic Design



1 FIRST FLOOR FRAMING PLAN
2ST101 1" = 10'-0"

7'-6" 2'-6"
10'-0" 5'-0" 0 10'-0" 20'-0" 40'-0"

GENERAL NOTES

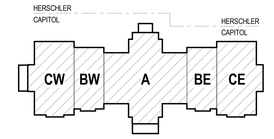
1. FRAMING PLANS FOR 1888 AND 1890 PHASES ARE BASED UPON LIMITED OBSERVATIONS FROM REMOVAL OF BASEMENT CEILING TILE. DIRECTION, SIZE, AND SPACING FROM FRAMING MAY VARY.
2. AS FOUND CONDITIONS IN 1888 AND 1890 PHASES VARY FROM 1888 DESIGN INTENT DRAWINGS.
3. AS FOUND CONDITIONS IN THE 1917 PHASE ARE REPRESENTATIVE OF THE 1917 DESIGN INTENT DRAWINGS.
4. FLOOR ASSEMBLY IS ASSUMED BASED UPON LIMITED PROBES AND OBSERVATIONS.
5. ASSUME REPAIRS TO EXISTING MASONRY WALLS. INFILL ALL EXISTING MEP PENETRATIONS. REPAIR ALL DAMAGED MASONRY.
6. ASSUME REPAIRS TO EXISTING FLOORS. INFILL ALL EXISTING PENETRATIONS NOT BEING REUSED.
7. FOR 1890 CONCRETE FORMED METAL ARCH SYSTEM, ASSUME ANY EXISTING OPENINGS WILL BE INFILLED BY REMOVING ARCH FROM BEAM TO BEAM AND PROVIDE NEW STEAL TRIMMER BEAMS EACH SIDE WITH CONCRETE ON METAL DECK.
8. WHERE WOOD FRAMING IN THE 1888 PHASE OF CONSTRUCTION REQUIRES NEW FLOOR PENETRATIONS FOR MEP, THE WOOD IS TO BE REINFORCED WITH LVL TRIMMERS AND HEADERS INSTALLED WITH JOIST HANGERS.
9. AT EXISTING CHASES TO BE REUSED, SHORE FRAMING OR SLAB SUPPORTED ON CHASE WALL. PROVIDE NEW HEADER BEAM TO ALLOW REMOVAL OF CHASE WALL FOR INSTALLATION OF NEW DUCTS. ASSUME THAT AT 25% OF EXISTING CHASES, FLOOR OPENING WILL BE REFRAMED FOR NEW MEP.
10. AT ALL NEW STEEL BEAMS SUPPORTING MASONRY, PRELOAD BY JACKING OR DRIVING SHIMS TO REDUCE POTENTIAL CRACKING.
11. PROVIDE BEAM POCKETS WITH NEW BEARING PLATE FOR NEW STEEL BEAMS SUPPORTED ON EXISTING MASONRY. MASONRY IS EITHER BRICK OR RUBBLE STONE. CAREFUL REMOVAL WITH LOW VIBRATION EQUIPMENT REQUIRED.
12. FLOOR PENETRATIONS TO BE MADE TO 1917 PHASE FORMED FLAT REINFORCED CONCRETE SLAB, SHALL INCLUDE FOUR NEW BEAMS INSTALLED BETWEEN MASONRY WALL TO STEEL BEAM CONNECTION OR STEEL BEAM TO STEEL BEAM CONNECTIONS. THE INFILL BEAMS ARE TO FRAME OUT THE SIZE OF THE NEW OPENING AND BE WELDED TO THE EXISTING STEEL AND POCKETED INTO MASONRY WHEN NECESSARY. THE TOP OF FLANGES AND UNDERSIDE OF EXISTING SLAB TO BE DRY PACKED WITH MORTAR.
13. FLOOR PENETRATIONS TO BE INFILLED IN THE 1917 PHASE, SUCH AS EXISTING DUCTS OR STAIR OPENINGS, ARE TO BE FRAMED OUT WITH FOUR NEW FILLER BEAMS THAT BEAR ON 50 % EXISTING SLAB AND 50% IN OPENING FOR METAL DECK TO BEAR ON. PUDDLE WELD DECK TO TOP FLANGE OF STEEL BEAMS. LW CONCRETE TO BE INSTALLED ON METAL DECK.
14. MASONRY WALL CHASES THAT ARE TO BE CUT OPEN TO INSTALL NEW DUCTS OR PIPING ARE TO HAVE A GROUTED THREE SIDED ¼" THICK STEEL SLEEVE INSTALLED. WHERE CHASES ARE IN EXTERIOR WALLS, SLEEVES TO BE FABRICATED FROM HOT DIPPED GALVANIZED STEEL PLATE. SLEEVES TO BE STACK BUILT IN FOUR FOOT HIGH SECTIONS. ASSUME THE SLEEVE TO BE 1 ½" SMALLER THAN EXISTING OPENING ON EACH FACE TO ALLOW FOR SUFFICIENT GROUT INSTALLATION. ¾" NELSON STUDS TO BE WELDED TO OUTER FACE TO ENGAGE STEEL PLATE WITH GROUT. SLEEVES MUST BE BRACED WHILE GROUTING OCCURS TO RESIST BULGING FROM GROUT PRESSURES. WHEN THE VERTICALLY ORIENTED SLEEVE PASSES THROUGH A FLOOR SYSTEM, THE SLEEVE SHALL BE FOUR SIDED AND FULLY GROUTED IN THE ZONE OF WALL. FABRICATION OF SLEEVE TO BE FULLY WELDED AT CORNERS.
15. THE MASONRY WALLS ON GRID F AND M ARE PART OF THE BUILDING LATERAL SYSTEMS. THE REMOVAL OF THE WALLS FOR THE NEW CHASES AND ELEVATOR SHALL BE SEQUENCED SUCH THAT THE BUILDING IS STABLE. TEMPORARY BRACING MAY BE REQUIRED.
16. NEW FLOOR FRAMING IN 1890 SHALL BE STEEL BEAMS WITH LIGHT WEIGHT CONCRETE ON COMPOSITE STEEL DECK. ASSUME NELSON STUDS AT 12" ALONG EACH BEAM.
17. BASE SCOPE ASSUMES HISTORIC CHAMBER WALLS FROM SECOND FLOOR TO CEILING OF CHAMBERS REMAIN. WALLS ARE SUPPORTED ON FRAMING BEING REMOVED AND REPLACED AT FIRST FLOOR. SHORE AND BRACE WALL AND CHAMBER CEILING.
18. BASE SCOPE ASSUMES FLOOR FRAMING TO REMAIN IN 1890 AS POSSIBLE. ALTERNATE IS TO REMOVE ALL FLOOR FRAMING FOR ENTIRE 1890 FOOTPRINT. PROVIDE NEW STEEL FRAMING WITH LIGHTWEIGHT CONCRETE ON METAL DECK. THIS WOULD REQUIRE FULL TEMPORARY SUPPORT OR DEMOLITION OF HISTORIC CHAMBER WALLS. THIS WILL ELIMINATE THE EXISTING CONCRETE ON METAL ARCH FLOOR SYSTEM THAT IS DIFFICULT TO MODIFY FOR NEW MEP SYSTEM.

CONSTRUCTION NOTES

GRAPHIC LEGEND

- INDICATES EXISTING MASONRY WALL ABOVE
- INDICATES EXISTING MASONRY WALL BELOW
- WD INDICATES WOOD JOISTS
- RC INDICATES REINFORCED CONCRETE
- XX INDICATES SPAN OF EXISTING FLOOR CONSTRUCTION
- MT INDICATES METAL ARCH
- MS INDICATES MASONRY ARCH
- XX INDICATES SPAN OF EXISTING ARCH
- (A) INDICATES ASSUMED CONSTRUCTION
- (F) INDICATES CONSTRUCTION AS OBSERVED AND VERIFIED IN FIELD
- INDICATES EXISTING METAL COLUMN
- INDICATES COLUMN UP/DOWN
- (E)W8 INDICATES EXISTING STEEL BEAM
- (E)W8 INDICATES EXISTING STEEL BEAM TO BE DEMOLISHED
- INDICATES NEW STEEL COLUMN
- W8X10 INDICATES NEW STEEL BEAM
- INDICATES NEW CMU WALL
- INDICATES EXISTING HISTORIC ARCHITECTURAL WALLS
- INDICATES 3 1/2" LIGHTWEIGHT CONCRETE ON 2", 18-GAGE COMPOSITE METAL DECK. REINFORCE WITH 6X6-W2.0XW2.0 W.W.F

KEY PLAN



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MARK	DATE	DESCRIPTION
1	2014/12/19	SD OWNER REVIEW

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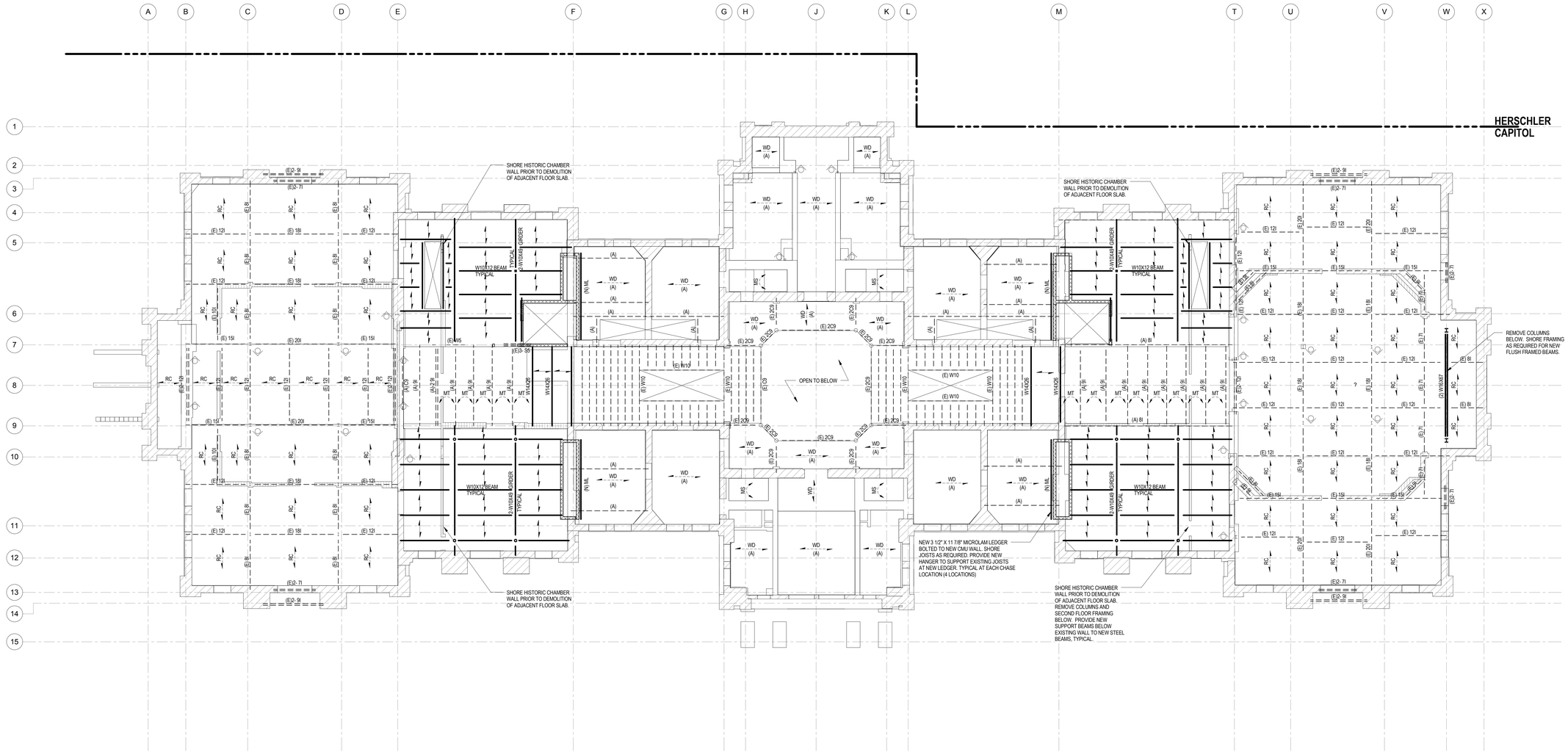
ORIGINAL ISSUE	- -
PKG. IDENTIFIER	2

PROPOSED FIRST FLOOR PLAN

SCALE As indicated

2ST101

Schematic Design



1 / 2ST102 SECOND FLOOR FRAMING PLAN

1" = 10'-0"

7'-6" 2'-6"

10'-0" 5'-0" 0 10'-0" 20'-0" 40'-0"

GENERAL NOTES

1. FRAMING PLANS FOR 1888 AND 1890 PHASES ARE BASED UPON ASSUMING THAT THE FRAMING IS SIMILAR TO THE FIRST FLOOR OBSERVATIONS. NDE HAS DETERMINED THAT IT IS NOT. THE BEAM SPACING AND LAYOUT IS DIFFERENT. EXISTING FRAMING WILL BE UPDATED PENDING NDE REPORT.
2. BASED UPON NDE, CONCRETE ON METAL DECK WAS ADDED TO THE WOOD FRAMING. FOR SD, ASSUME THAT ALL WOOD JOISTS NOT IN THE ROTUNDA HAVE CONCRETE ON METAL DECK ON WOOD JOISTS. FOR ANY MEP SYSTEMS, ASSUME REMOVAL AND REPLACEMENT OF CONCRETE ON METAL DECK.
3. AS FOUND CONDITIONS IN 1888 AND 1890 PHASES VARY FROM 1888 DESIGN INTENT DRAWINGS.
4. AS FOUND CONDITIONS IN THE 1917 PHASE ARE REPRESENTATIVE OF THE 1917 DESIGN INTENT DRAWINGS.
5. FLOOR ASSEMBLY IS ASSUMED BASED UPON LIMITED PROBES AND OBSERVATIONS.
6. ASSUME REPAIRS TO EXISTING MASONRY WALLS. INFILL ALL EXISTING MEP PENETRATIONS. REPAIR ALL DAMAGED MASONRY.
7. ASSUME REPAIRS TO EXISTING FLOORS. INFILL ALL EXISTING PENETRATIONS NOT BEING REUSED.
8. FOR 1890 CONCRETE FORMED METAL ARCH SYSTEM, ASSUME ANY EXISTING OPENINGS WILL BE INFILLED BY REMOVING ARCH FROM BEAM TO BEAM AND PROVIDE NEW STEAL TRIMMER BEAMS EACH SIDE WITH CONCRETE ON METAL DECK.
9. WHERE WOOD FRAMING IN THE 1888 PHASE OF CONSTRUCTION REQUIRES NEW FLOOR PENETRATIONS FOR MEP, THE WOOD IS TO BE REINFORCED WITH LVL TRIMMERS AND HEADERS INSTALLED WITH JOIST HANGERS.
10. AT EXISTING CHASES TO BE REUSED, SHORE FRAMING OR SLAB SUPPORTED ON CHASE WALL, PROVIDE NEW HEADER BEAM TO ALLOW REMOVAL OF CHASE WALL FOR INSTALLATION OF NEW DUCTS. ASSUME THAT AT 25% OF EXISTING CHASES, FLOOR OPENING WILL BE REFRAMED FOR NEW MEP.
11. AT ALL NEW STEEL BEAMS SUPPORTING MASONRY, PRELOAD BY JACKING OR DRIVING SHIMS TO REDUCE POTENTIAL CRACKING.
12. PROVIDE BEAM POCKETS WITH NEW BEARING PLATE FOR NEW STEEL BEAMS SUPPORTED ON EXISTING MASONRY. MASONRY IS EITHER BRICK OR RUBBLE STONE. CAREFUL REMOVAL WITH LOW VIBRATION EQUIPMENT REQUIRED.
13. FLOOR PENETRATIONS TO BE MADE TO 1917 PHASE FORMED FLAT REINFORCED CONCRETE SLAB, SHALL INCLUDE FOUR NEW BEAMS INSTALLED BETWEEN MASONRY WALL TO STEEL BEAM CONNECTION OR STEEL BEAM TO STEEL BEAM CONNECTIONS. THE INFILL BEAMS ARE TO FRAME OUT THE SIZE OF THE NEW OPENING AND BE WELDED TO THE EXISTING STEEL AND POCKETED INTO MASONRY WHEN NECESSARY. THE TOP OF FLANGES AND UNDERSIDE OF EXISTING SLAB TO BE DRY PACKED WITH MORTAR.
14. FLOOR PENETRATIONS TO BE INFILLED IN THE 1917 PHASE, SUCH AS EXISTING DUCTS OR STAIR OPENINGS, ARE TO BE FRAMED OUT WITH FOUR NEW FILLER BEAMS THAT BEAR ON 50 % EXISTING SLAB AND 50% IN OPENING FOR METAL DECK TO BEAR ON. PUDDLE WELD DECK TO TOP FLANGE OF STEEL BEAMS. LW CONCRETE TO BE INSTALLED ON METAL DECK.
15. MASONRY WALL CHASES THAT ARE TO BE CUT OPEN TO INSTALL NEW DUCTS OR PIPING ARE TO HAVE A GROUTED THREE SIDED ½" THICK STEEL SLEEVE INSTALLED. WHERE CHASES ARE IN EXTERIOR WALLS, SLEEVES TO BE FABRICATED FROM HOT DIPPED GALVANIZED STEEL PLATE. SLEEVES TO BE STACK BUILT IN FOUR FOOT HIGH SECTIONS. ASSUME THE SLEEVE TO BE 1 ½" SMALLER THAN EXISTING OPENING ON EACH FACE TO ALLOW FOR SUFFICIENT GROUT INSTALLATION. ½" NELSON STUDS TO BE WELDED TO OUTER FACE TO ENGAGE STEEL PLATE WITH GROUT. SLEEVES MUST BE BRACED WHILE GROUTING OCCURS TO RESIST BULGING FROM GROUT PRESSURES. WHEN THE VERTICALLY ORIENTED SLEEVE PASSES THROUGH A FLOOR SYSTEM, THE SLEEVE SHALL BE FOUR SIDED AND FULLY GROUTED IN THE ZONE OF WALL. FABRICATION OF SLEEVE TO BE FULLY WELDED AT CORNERS.
16. THE MASONRY WALLS ON GRID F AND M ARE PART OF THE BUILDING LATERAL SYSTEMS. THE REMOVAL OF THE WALLS FOR THE NEW CHASES AND ELEVATOR SHALL BE SEQUENCED SUCH THAT THE BUILDING IS STABLE. TEMPORARY BRACING MAY BE REQUIRED.
17. NEW FLOOR FRAMING IN 1890 SHALL BE STEEL BEAMS WITH LIGHT WEIGHT CONCRETE ON COMPOSITE STEEL DECK. ASSUME NELSON STUDS AT 12" ALONG EACH BEAM.

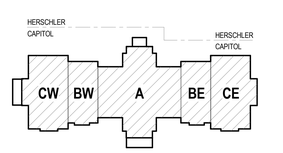
CONSTRUCTION NOTES

18. BASE SCOPE ASSUMES HISTORIC CHAMBER WALLS FROM SECOND FLOOR TO CEILING OF CHAMBERS REMAIN. WALLS ARE SUPPORTED ON FRAMING BEING REMOVED AND REPLACED AT FIRST FLOOR. SHORE AND BRACE WALL AND CHAMBER CEILING.
19. SHORING AND BRACING OF HISTORIC CHAMBER WALL AND CEILING ON GRID E AND T REQUIRED.
20. BASE SCOPE ASSUMES FLOOR FRAMING TO REMAIN IN 1890 AS POSSIBLE. ALTERNATE IS TO REMOVE ALL FLOOR FRAMING FOR ENTIRE 1890 FOOTPRINT. PROVIDE NEW STEEL FRAMING WITH LIGHTWEIGHT CONCRETE ON METAL DECK. THIS WOULD REQUIRE FULL TEMPORARY SUPPORT OR DEMOLITION OF HISTORIC CHAMBER WALLS. THIS WILL ELIMINATE THE EXISTING CONCRETE ON METAL ARCH FLOOR SYSTEM THAT IS DIFFICULT TO MODIFY FOR NEW MEP SYSTEM.

GRAPHIC LEGEND

- INDICATES EXISTING MASONRY WALL ABOVE
- INDICATES EXISTING MASONRY WALL BELOW
- WD INDICATES WOOD JOISTS
- RC INDICATES REINFORCED CONCRETE
- XX INDICATES SPAN OF EXISTING FLOOR CONSTRUCTION
- MT INDICATES METAL ARCH
- MS INDICATES MASONRY ARCH
- XX INDICATES SPAN OF EXISTING ARCH
- (A) INDICATES ASSUMED CONSTRUCTION
- (F) INDICATES CONSTRUCTION AS OBSERVED AND VERIFIED IN FIELD
- INDICATES EXISTING METAL COLUMN
- INDICATES COLUMN UP/DOWN
- (E)W8 INDICATES EXISTING STEEL BEAM
- (E)W8 INDICATES EXISTING STEEL BEAM TO BE DEMOLISHED
- INDICATES NEW STEEL COLUMN
- W8X10 INDICATES NEW STEEL BEAM
- INDICATES NEW CMU WALL
- INDICATES EXISTING HISTORIC ARCHITECTURAL WALLS
- INDICATES 3 1/2" LIGHTWEIGHT CONCRETE ON 2", 18-GAGE COMPOSITE METAL DECK. REINFORCE WITH 6X6-W2.0XW2.0 W.W.F

KEY PLAN



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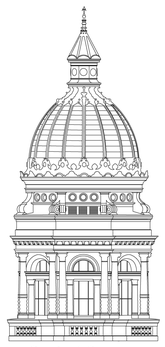
Construction Management



Capitol Square
Rehabilitation and Restoration

HDR PDP RSA ARCHITECTS

ROBERT SILMAN ASSOCIATES
STRUCTURAL ENGINEERS

PRELIMINARY
NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION
1	2014/12/19	SD OWNER REVIEW

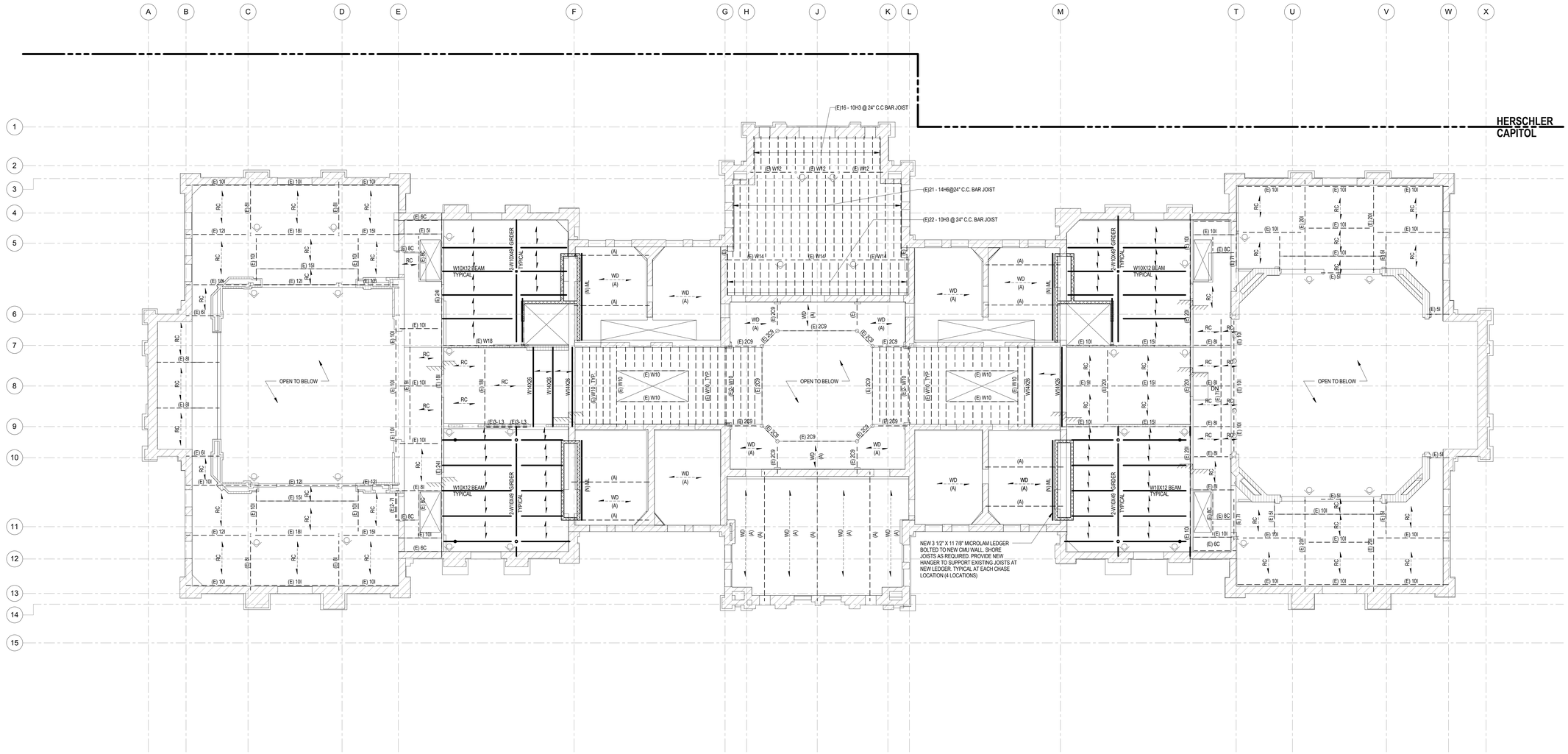
PROJECT NUMBER	203619
ORIGINAL ISSUE	- - -
PKG. IDENTIFIER	2

PROPOSED SECOND FLOOR PLAN

SCALE	As indicated

2ST102

Schematic Design



1 OVERALL THIRD FLOOR FRAMING PLAN
2ST103 1" = 10'-0"

7'-6" 2'-6"
10'-0" 5'-0" 0 10'-0" 20'-0" 40'-0"

GENERAL NOTES

1. FRAMING PLANS FOR 1888 AND 1890 PHASES ARE BASED UPON ASSUMING THAT THE FRAMING IS SIMILAR TO THE FIRST FLOOR OBSERVATIONS. NDE HAS DETERMINED THAT IT IS NOT. THE BEAM SPACING AND LAYOUT IS DIFFERENT. EXISTING FRAMING WILL BE UPDATED PENDING NDE REPORT.
2. BASED UPON NDE, CONCRETE ON METAL DECK WAS ADDED TO THE WOOD FRAMING. FOR SD, ASSUME THAT ALL WOOD JOISTS NOT IN THE ROTUNDA HAVE CONCRETE ON METAL DECK ON WOOD JOISTS. FOR ANY MEP SYSTEMS, ASSUME REMOVAL AND REPLACEMENT OF CONCRETE ON METAL DECK.
3. AS FOUND CONDITIONS IN 1888 AND 1890 PHASES VARY FROM 1888 DESIGN INTENT DRAWINGS.
4. AS FOUND CONDITIONS IN THE 1917 PHASE ARE REPRESENTATIVE OF THE 1917 DESIGN INTENT DRAWINGS.
5. FLOOR ASSEMBLY IS ASSUMED BASED UPON LIMITED PROBES AND OBSERVATIONS.
6. ASSUME REPAIRS TO EXISTING MASONRY WALLS. INFILL ALL EXISTING MEP PENETRATIONS. REPAIR ALL DAMAGED MASONRY.
7. ASSUME REPAIRS TO EXISTING FLOORS. INFILL ALL EXISTING PENETRATIONS NOT BEING REUSED.
8. FOR 1890 CONCRETE FORMED METAL ARCH SYSTEM, ASSUME ANY EXISTING OPENINGS WILL BE INFILLED BY REMOVING ARCH FROM BEAM TO BEAM AND PROVIDE NEW STEAL TRIMMER BEAMS EACH SIDE WITH CONCRETE ON METAL DECK.
9. WHERE WOOD FRAMING IN THE 1888 PHASE OF CONSTRUCTION REQUIRES NEW FLOOR PENETRATIONS FOR MEP, THE WOOD IS TO BE REINFORCED WITH LVL TRIMMERS AND HEADERS INSTALLED WITH JOIST HANGERS.
10. AT EXISTING CHASES TO BE REUSED, SHORE FRAMING OR SLAB SUPPORTED ON CHASE WALL, PROVIDE NEW HEADER BEAM TO ALLOW REMOVAL OF CHASE WALL FOR INSTALLATION OF NEW DUCTS. ASSUME THAT AT 25% OF EXISTING CHASES, FLOOR OPENING WILL BE REFRAMED FOR NEW MEP.
11. AT ALL NEW STEEL BEAMS SUPPORTING MASONRY, PRELOAD BY JACKING OR DRIVING SHIMS TO REDUCE POTENTIAL CRACKING.
12. PROVIDE BEAM POCKETS WITH NEW BEARING PLATE FOR NEW STEEL BEAMS SUPPORTED ON EXISTING MASONRY. MASONRY IS EITHER BRICK OR RUBBLE STONE. CAREFUL REMOVAL WITH LOW VIBRATION EQUIPMENT REQUIRED.
13. FLOOR PENETRATIONS TO BE MADE TO 1917 PHASE FORMED FLAT REINFORCED CONCRETE SLAB, SHALL INCLUDE FOUR NEW BEAMS INSTALLED BETWEEN MASONRY WALL TO STEEL BEAM CONNECTION OR STEEL BEAM TO STEEL BEAM CONNECTIONS. THE INFILL BEAMS ARE TO FRAME OUT THE SIZE OF THE NEW OPENING AND BE WELDED TO THE EXISTING STEEL AND POCKETED INTO MASONRY WHEN NECESSARY. THE TOP OF FLANGES AND UNDERSIDE OF EXISTING SLAB TO BE DRY PACKED WITH MORTAR.
14. FLOOR PENETRATIONS TO BE INFILLED IN THE 1917 PHASE, SUCH AS EXISTING DUCTS OR STAIR OPENINGS, ARE TO BE FRAMED OUT WITH FOUR NEW FILLER BEAMS THAT BEAR ON 50 % EXISTING SLAB AND 50% IN OPENING FOR METAL DECK TO BEAR ON. PUDDLE WELD DECK TO TOP FLANGE OF STEEL BEAMS. LW CONCRETE TO BE INSTALLED ON METAL DECK.
15. MASONRY WALL CHASES THAT ARE TO BE CUT OPEN TO INSTALL NEW DUCTS OR PIPING ARE TO HAVE A GROUTED THREE SIDED ½" THICK STEEL SLEEVE INSTALLED. WHERE CHASES ARE IN EXTERIOR WALLS, SLEEVES TO BE FABRICATED FROM HOT DIPPED GALVANIZED STEEL PLATE. SLEEVES TO BE STACK BUILT IN FOUR FOOT HIGH SECTIONS. ASSUME THE SLEEVE TO BE 1 ½" SMALLER THAN EXISTING OPENING ON EACH FACE TO ALLOW FOR SUFFICIENT GROUT INSTALLATION. ½" NELSON STUDS TO BE WELDED TO OUTER FACE TO ENGAGE STEEL PLATE WITH GROUT. SLEEVES MUST BE BRACED WHILE GROUTING OCCURS TO RESIST BULGING FROM GROUT PRESSURES. WHEN THE VERTICALLY ORIENTED SLEEVE PASSES THROUGH A FLOOR SYSTEM, THE SLEEVE SHALL BE FOUR SIDED AND FULLY GROUTED IN THE ZONE OF WALL. FABRICATION OF SLEEVE TO BE FULLY WELDED AT CORNERS.
16. THE MASONRY WALLS ON GRID F AND M ARE PART OF THE BUILDING LATERAL SYSTEMS. THE REMOVAL OF THE WALLS FOR THE NEW CHASES AND ELEVATOR SHALL BE SEQUENCED SUCH THAT THE BUILDING IS STABLE. TEMPORARY BRACING MAY BE REQUIRED.

CONSTRUCTION NOTES

17. NEW FLOOR FRAMING IN 1890 SHALL BE STEEL BEAMS WITH LIGHT WEIGHT CONCRETE ON COMPOSITE STEEL DECK. ASSUME NELSON STUDS AT 12" ALONG EACH BEAM.
18. BASE SCOPE ASSUMES HISTORIC CHAMBER WALLS FROM SECOND FLOOR TO CEILING OF CHAMBERS REMAIN. WALLS ARE SUPPORTED ON FRAMING BEING REMOVED AND REPLACED AT FIRST FLOOR. SHORE AND BRACE WALL AND CHAMBER CEILING.
19. BASE SCOPE ASSUMES THIRD FLOOR 1917 FRAMING WITHIN THE 1890 FOOTPRINT TO REMAIN AS A PART OF THE HISTORIC CHAMBER WALLS. ALTERNATE IS TO REMOVE ALL FLOOR FRAMING FOR ENTIRE 1890 FOOTPRINT. PROVIDE NEW STEEL FRAMING WITH LIGHTWEIGHT CONCRETE ON METAL DECK. THIS WOULD REQUIRE FULL TEMPORARY SUPPORT OR DEMOLITION OF HISTORIC CHAMBER WALLS. THIS WILL ELIMINATE THE EXISTING CONCRETE ON METAL ARCH FLOOR SYSTEM THAT IS DIFFICULT TO MODIFY FOR NEW MEP SYSTEM.
20. SHORING AND BRACING OF HISTORIC CHAMBER WALL AND CEILING ON GRID E AND T REQUIRED.

GRAPHIC LEGEND

- INDICATES EXISTING MASONRY WALL ABOVE
- INDICATES EXISTING MASONRY WALL BELOW
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- RC INDICATES REINFORCED CONCRETE
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- (E)W8 INDICATES EXISTING STEEL BEAM
- (E)W8 INDICATES EXISTING STEEL BEAM TO BE DEMOLISHED
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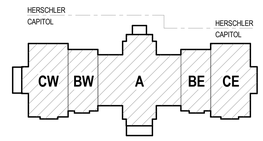
KEY PLAN



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ROBERT SILMAN ASSOCIATES
STRUCTURAL ENGINEERS

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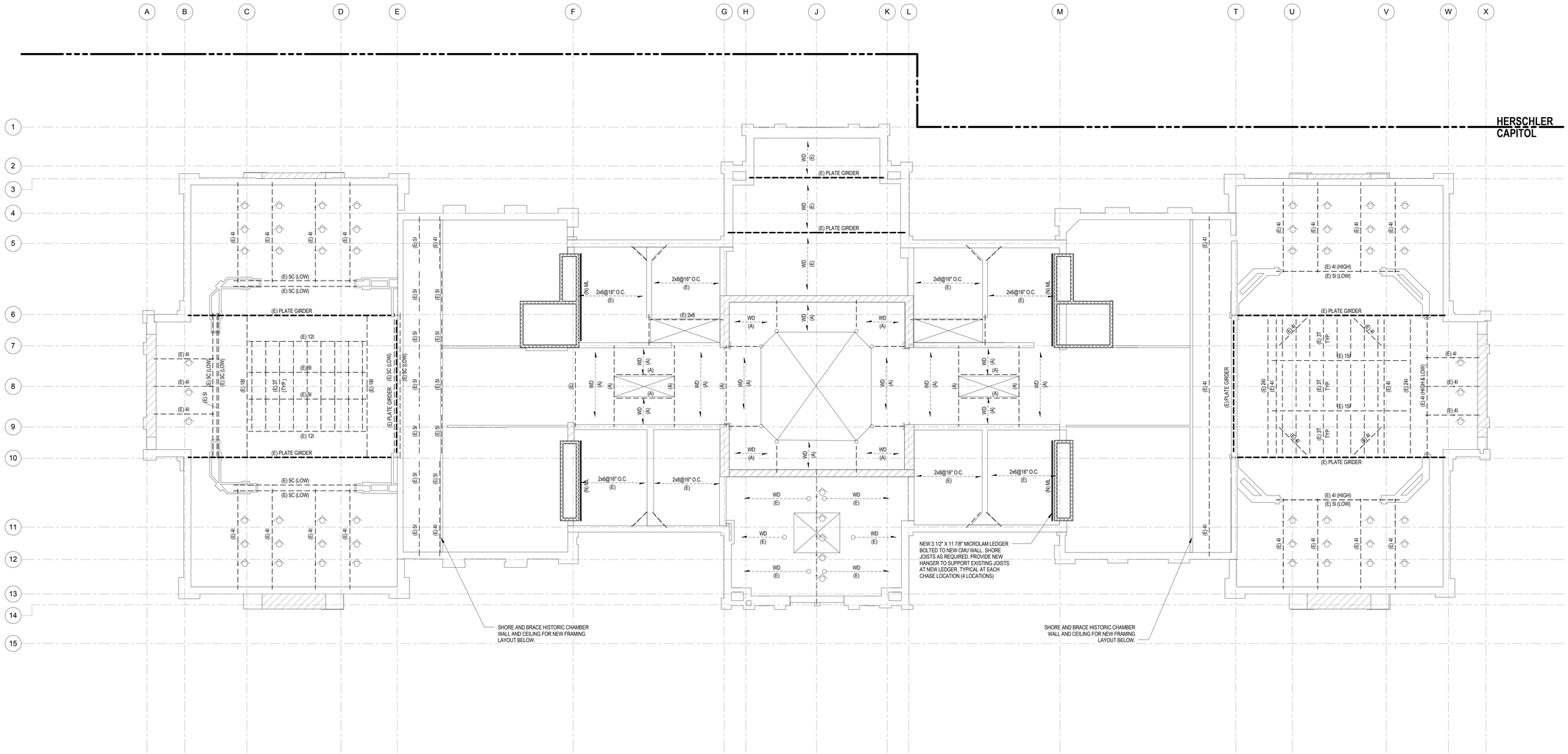
PROJECT NUMBER 203619
ORIGINAL ISSUE - -
PKG. IDENTIFIER 2

PROPOSED THIRD FLOOR PLAN

SCALE As indicated

2ST103

Schematic Design



1 ATTIC 1 PLAN
2ST104 1" = 10'-0"

10'-0" 5'-0" 0 10'-0" 20'-0" 40'-0"

GENERAL NOTES

1. FRAMING PLANS FOR BASED UPON DOCUMENTATION OF EXPOSED MEMBERS IN THE ATTIC.
2. AS FOUND CONDITIONS IN 1888 AND 1890 PHASES VARY FROM 1888 DESIGN INTENT DRAWINGS.
3. AS FOUND CONDITIONS IN THE 1917 PHASE ARE REPRESENTATIVE OF THE 1917 DESIGN INTENT DRAWINGS.
4. CEILING ASSEMBLY IS ASSUMED BASED UPON LIMITED PROBES AND OBSERVATIONS. ADDITIONAL LAYERS OF FRAMING MAY EXIST.
5. ASSUME REPAIRS TO EXISTING MASONRY WALLS. INFILL ALL EXISTING MEP PENETRATIONS. REPAIR ALL DAMAGED MASONRY.
6. AT EXISTING CHASES TO BE REUSED, SHORE FRAMING OR SLAB SUPPORTED ON CHASE WALL, PROVIDE NEW HEADER BEAM TO ALLOW REMOVAL OF CHASE WALL FOR INSTALLATION OF NEW DUCTS. ASSUME THAT AT 25% OF EXISTING CHASES, FLOOR OPENING WILL BE REFRAMED FOR NEW MEP.
7. AT ALL NEW STEEL BEAMS SUPPORTING MASONRY, PRELOAD BY JACKING OR DRIVING SHIMS TO REDUCE POTENTIAL CRACKING.
8. MASONRY WALL CHASES THAT ARE TO BE CUT OPEN TO INSTALL NEW DUCTS OR PIPING ARE TO HAVE A GROUTED THREE SIDED ¼" THICK STEEL SLEEVE INSTALLED. WHERE CHASES ARE IN EXTERIOR WALLS, SLEEVES TO BE FABRICATED FROM HOT DIPPED GALVANIZED STEEL PLATE. SLEEVES TO BE STACK BUILT IN FOUR FOOT HIGH SECTIONS. ASSUME THE SLEEVE TO BE 1 ½" SMALLER THAN EXISTING OPENING ON EACH FACE TO ALLOW FOR SUFFICIENT GROUT INSTALLATION. ¾" NELSON STUDS TO BE WELDED TO OUTER FACE TO ENGAGE STEEL PLATE WITH GROUT. SLEEVES MUST BE BRACED WHILE GROUTING OCCURS TO RESIST BULGING FROM GROUT PRESSURES. WHEN THE VERTICALLY ORIENTED SLEEVE PASSES THROUGH A FLOOR SYSTEM, THE SLEEVE SHALL BE FOUR SIDED AND FULLY GROUTED IN THE ZONE OF WALL. FABRICATION OF SLEEVE TO BE FULLY WELDED AT CORNERS.
9. THE MASONRY WALLS ON GRID F AND M ARE PART OF THE BUILDING LATERAL SYSTEMS. THE REMOVAL OF THE WALLS FOR THE NEW CHASES AND ELEVATOR SHALL BE SEQUENCED SUCH THAT THE BUILDING IS STABLE. TEMPORARY BRACING MAY BE REQUIRED.
10. SHORING AND BRACING OF HISTORIC CHAMBER WALL AND CEILING ON GRID E AND T REQUIRED.

CONSTRUCTION NOTES

GRAPHIC LEGEND

- INDICATES EXISTING MASONRY WALL ABOVE
- INDICATES EXISTING MASONRY WALL BELOW
- WD INDICATES WOOD JOISTS; RC INDICATES REINFORCED CONCRETE
- XX INDICATES SPAN OF EXISTING FLOOR CONSTRUCTION
- MT INDICATES METAL ARCH; MS INDICATES MASONRY ARCH
- XX INDICATES SPAN OF EXISTING ARCH
- (A) INDICATES ASSUMED CONSTRUCTION
- (F) INDICATES CONSTRUCTION AS OBSERVED AND VERIFIED IN FIELD
- INDICATES EXISTING METAL COLUMN
- INDICATES COLUMN UP/DOWN
- (E)W8 INDICATES EXISTING STEEL BEAM
- (E)W8 INDICATES EXISTING STEEL BEAM TO BE DEMOLISHED
- INDICATES NEW STEEL COLUMN
- W8X10 INDICATES NEW STEEL BEAM
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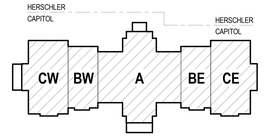
KEY PLAN



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Capitol Square
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ROBERT SILMAN ASSOCIATES
STRUCTURAL ENGINEERS

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MARK	DATE	DESCRIPTION
1	2014/12/19	SD OWNER REVIEW

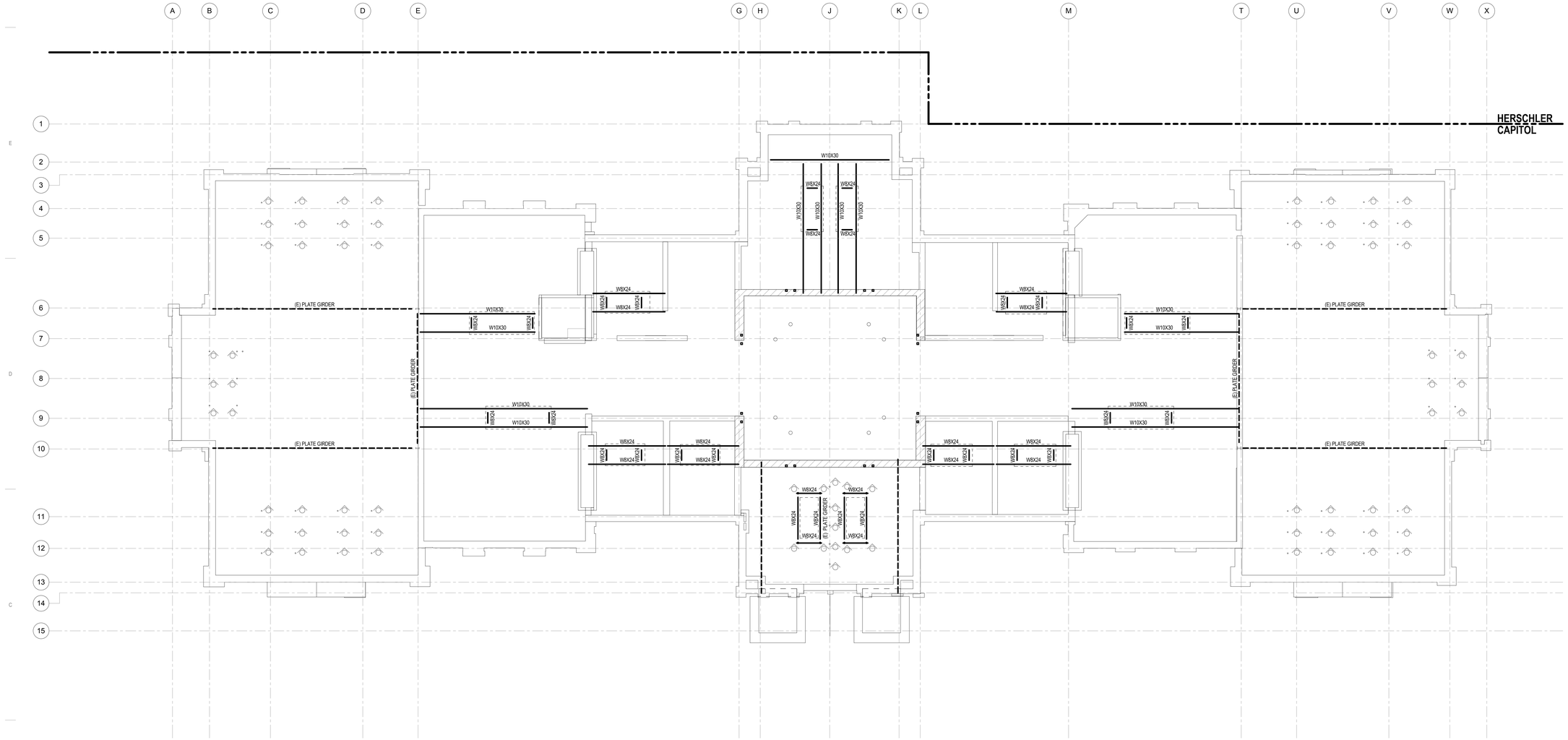
PROJECT NUMBER 203619
ORIGINAL ISSUE - -
PKG. IDENTIFIER 2

PROPOSED ATTIC 1 PLAN

SCALE As indicated

2ST104

Schematic Design



1 / 2ST104A ATTIC 1 DUNNAGE FRAMING PLAN

1" = 10'-0"

7'-6" 2'-6"

10'-0" 5'-0" 0 10'-0" 20'-0" 40'-0"

GENERAL NOTES

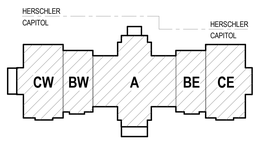
1. NEW MEP UNITS SHALL NOT BE SUPPORTED ON CEILING FRAMING THAT SUPPORTS HISTORIC CEILINGS. NEW DUNNAGE SHALL BE SUPPORTED ON MASONRY WALLS OR HUNG FROM ROOF STRUCTURE.
2. WHERE NEW DUNNAGE IS SUPPORTED ON MASONRY WALLS PROVIDE POCKET WITH CUSTOM NEOPRENE NOISE AND VIBRATION ISOLATION BEARING PADS.

CONSTRUCTION NOTES

GRAPHIC LEGEND

- INDICATES EXISTING MASONRY WALL ABOVE
- INDICATES EXISTING MASONRY WALL BELOW
- WD INDICATES WOOD JOISTS; RC INDICATES REINFORCED CONCRETE; XX INDICATES SPAN OF EXISTING FLOOR CONSTRUCTION
- MT INDICATES METAL ARCH; MS INDICATES MASONRY ARCH; XX INDICATES SPAN OF EXISTING ARCH
- (A) INDICATES ASSUMED CONSTRUCTION
- (F) INDICATES CONSTRUCTION AS OBSERVED AND VERIFIED IN FIELD
- INDICATES EXISTING METAL COLUMN
- INDICATES COLUMN UP/DOWN
- (E)W8 INDICATES EXISTING STEEL BEAM
- (E)W8 INDICATES EXISTING STEEL BEAM TO BE DEMOLISHED
- INDICATES NEW STEEL COLUMN
- W8X10 INDICATES NEW STEEL BEAM
- INDICATES NEW CMU WALL
- INDICATES EXISTING HISTORIC ARCHITECTURAL WALLS
- INDICATES 3 1/2" LIGHTWEIGHT CONCRETE ON 2", 18-GAGE COMPOSITE METAL DECK. REINFORCE WITH 6X6-W2.0XW2.0 W.W.F

KEY PLAN



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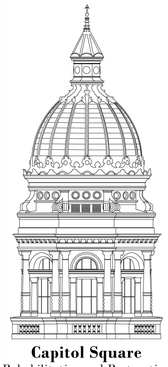
State of Wyoming

Administration & Information
Construction Management



Capitol Square
Rehabilitation and Restoration

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ROBERT SILMAN ASSOCIATES
STRUCTURAL ENGINEERS

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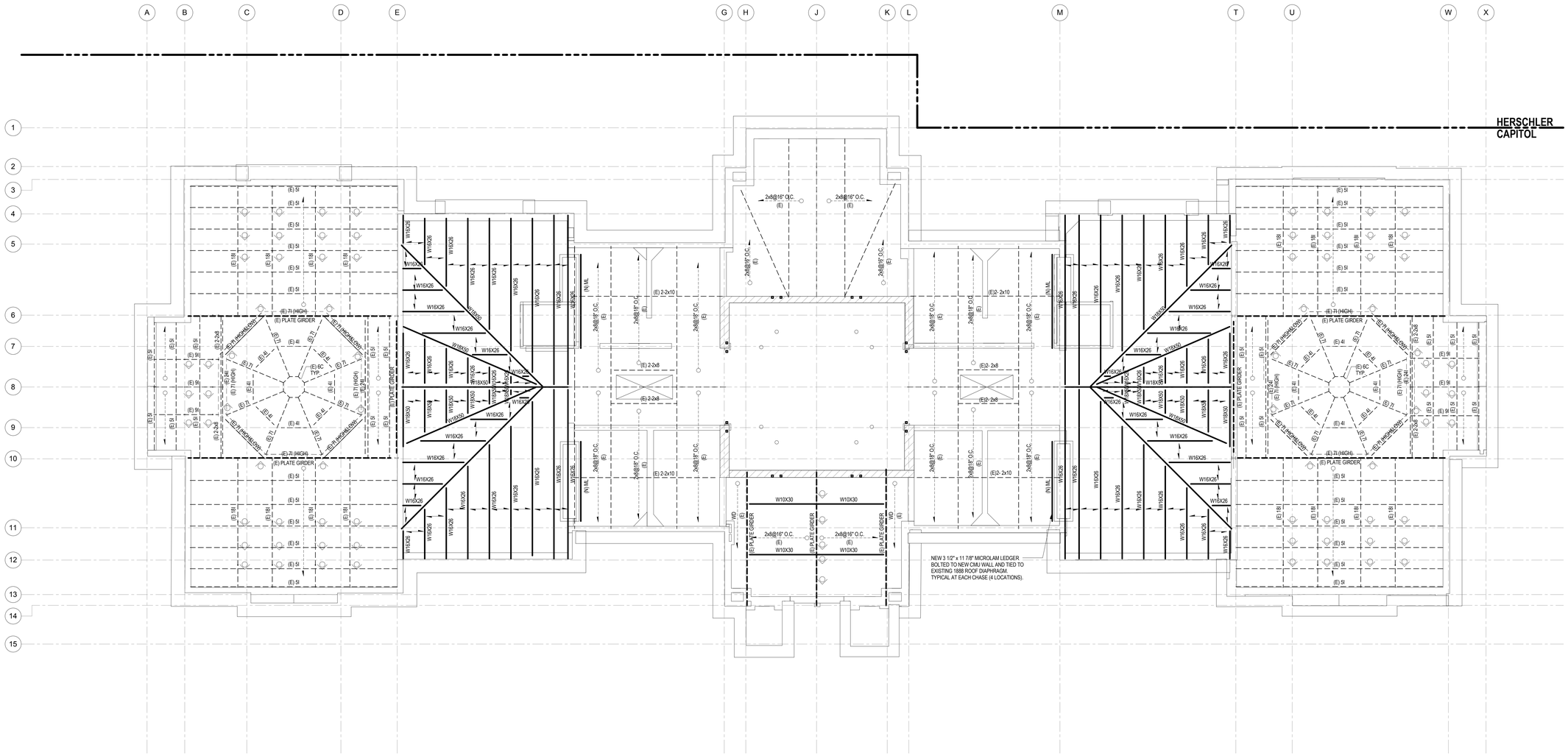
PKG. IDENTIFIER	2

PROPOSED ATTIC 1 DUNNAGE PLAN

SCALE: As indicated

2ST104A

Schematic Design



1 CAPITOL ROOF FRAMING PLAN

2ST105 1" = 10'-0"

7'-6" 2'-6"

10'-0" 5'-0" 0 10'-0" 20'-0" 40'-0"

GENERAL NOTES

1. FRAMING PLANS FOR BASED UPON DOCUMENTATION OF EXPOSED MEMBERS IN THE ATTIC.
2. AS FOUND CONDITIONS IN 1888 AND 1890 PHASES VARY FROM 1888 DESIGN INTENT DRAWINGS.
3. AS FOUND CONDITIONS IN THE 1917 PHASE ARE REPRESENTATIVE OF THE 1917 DESIGN INTENT DRAWINGS.
4. CEILING ASSEMBLY IS ASSUMED BASED UPON LIMITED PROBES AND OBSERVATIONS. ADDITIONAL LAYERS OF FRAMING MAY EXIST.
5. THE MASONRY WALLS ON GRID F AND M ARE PART OF THE BUILDING LATERAL SYSTEMS. THE REMOVAL OF THE WALLS FOR THE NEW CHASES AND ELEVATOR SHALL BE SEQUENCED SUCH THAT THE BUILDING IS STABLE. TEMPORARY BRACING MAY BE REQUIRED.
6. SHORING AND BRACING OF HISTORIC CHAMBER WALL AND CEILING ON GRID E AND T REQUIRED.
7. ASSUME 10% REPAIR OR REPLACEMENT OF WOOD ROOF FRAMING AND SHEATHING.
8. ASSUME SCRAPE AND PAINT OF ALL STEEL OUTRIGGERS SUPPORTING CORNICE.
9. ASSUME SCRAPE AND PAINT OF CORRODED STEEL AT CHAMBER SKYLIGHT. ASSUME 10% REPLACEMENT OR REINFORCING OF EXISTING MEMBERS DUE TO SECTION LOSS.

CONSTRUCTION NOTES

GRAPHIC LEGEND

- INDICATES EXISTING MASONRY WALL ABOVE
- INDICATES EXISTING MASONRY WALL BELOW
- WD INDICATES WOOD JOISTS
- RC INDICATES REINFORCED CONCRETE
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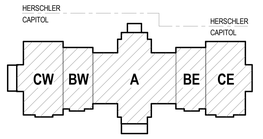
KEY PLAN



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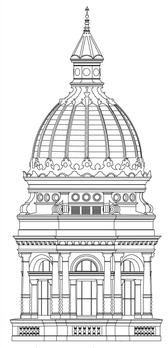
Administration & Information
Construction Management



Capitol Square
Rehabilitation and Restoration

ROBERT SILMAN ASSOCIATES
STRUCTURAL ENGINEERS

PRELIMINARY
NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION
1	2014/12/19	SD OWNER REVIEW

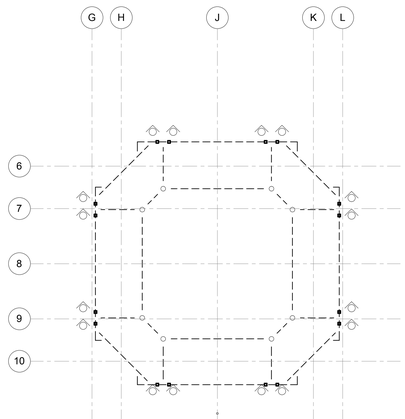
PROJECT NUMBER 203619
ORIGINAL ISSUE - -
PKG. IDENTIFIER 2

PROPOSED ROOF FRAMING PLAN

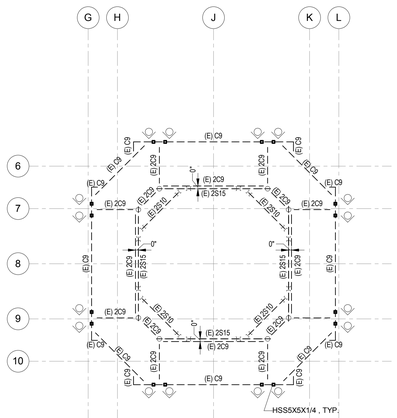
SCALE As indicated

2ST105

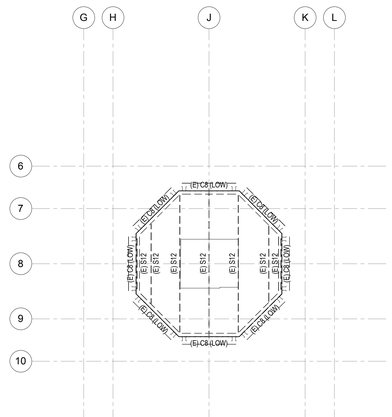
Schematic Design



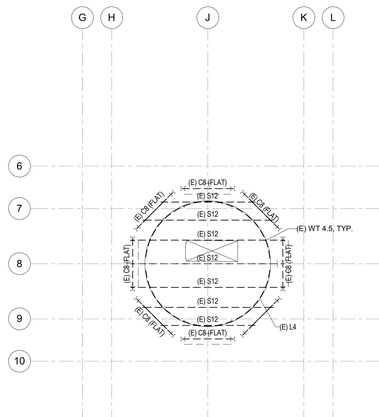
1 2ST106 CAPITOL ATTIC 2 PLAN
1" = 10'-0"



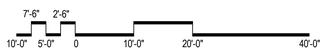
2 2ST106 ATTIC 2A PLAN
1" = 10'-0"



3 2ST106 CAPITOL DOME 1 PLAN
1" = 10'-0"



4 2ST106 CAPITOL DOME 2 PLAN
1" = 10'-0"



GENERAL NOTES

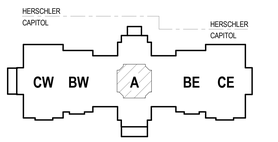
1. FRAMING PLANS FOR BASED UPON DOCUMENTATION OF EXPOSED MEMBERS IN THE ATTIC AND 1917 DESIGN INTENT DRAWINGS.
2. AS FOUND CONDITIONS OF THE DOME VARY FROM 1888 DESIGN INTENT DRAWINGS.
3. FINAL ANALYSIS OF THE DOME PENDING MATERIAL IDENTIFICATION AND REVIEW. FOR SD ASSUME THE FOLLOWING:
   a. AT THE DRUM REINFORCE 40% OF THE 268 MEMBERS.
   b. AT THE BASE REINFORCE 20% OF THE OF THE 148 MEMBERS.
   c. PROVIDE NEW POSTS FROM ATTIC 2 PLAN TO ATTIC 2A PLAN WHERE BRACES ARE MISSING VERTICAL MEMBER. FRAME NEW POSTS OUT AROUND THE WALL.
   d. REPAIR OR REINFORCE 5% OF THE CONNECTIONS BELOW THE DOME.
4. ASSUME 50% REPLACEMENT OF WOOD OUTRIGGERS SUPPORTING DOME CLADDING THAT WILL BE REMOVED AND REPLACED. REPLACEMENT WOOD SHALL BE PRESSURE TREATED OR MOISTURE RESISTANT HARD WOOD.

CONSTRUCTION NOTES

GRAPHIC LEGEND

- INDICATES EXISTING MASONRY WALL ABOVE
- INDICATES EXISTING MASONRY WALL BELOW
- WD INDICATES WOOD JOISTS; RC INDICATES REINFORCED CONCRETE; XX INDICATES SPAN OF EXISTING FLOOR CONSTRUCTION
- MT INDICATES METAL ARCH; MS INDICATES MASONRY ARCH; XX INDICATES SPAN OF EXISTING ARCH
- (A) INDICATES ASSUMED CONSTRUCTION
- (F) INDICATES CONSTRUCTION AS OBSERVED AND VERIFIED IN FIELD
- INDICATES EXISTING METAL COLUMN
- INDICATES COLUMN UP/DOWN
- (E)W8 INDICATES EXISTING STEEL BEAM
- (E)W8 INDICATES EXISTING STEEL BEAM TO BE DEMOLISHED
- INDICATES NEW STEEL COLUMN
- W8X10 INDICATES NEW STEEL BEAM
- INDICATES NEW CMU WALL
- INDICATES EXISTING HISTORIC ARCHITECTURAL WALLS
- INDICATES 3 1/2" LIGHTWEIGHT CONCRETE ON 2", 18-GAGE COMPOSITE METAL DECK. REINFORCE WITH 6X6-W2.0XW2.0 W.W.F

KEY PLAN



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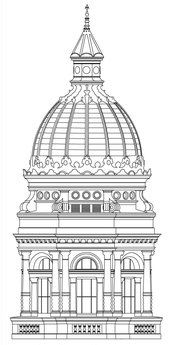
State of Wyoming

Administration & Information
Construction Management



Capitol Square
Rehabilitation and Restoration

HDR PDP RSA

ROBERT SILMAN ASSOCIATES
STRUCTURAL ENGINEERS

PRELIMINARY
NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION
1	2014/12/19	SD OWNER REVIEW

PROJECT NUMBER 203619
ORIGINAL ISSUE - -
PKG. IDENTIFIER 2

PROPOSED ATTIC 2, DOME 1 AND 2 PLAN (INTERIOR)

SCALE As indicated

2ST106

Schematic Design

GENERAL NOTES

1. ALL STRUCTURAL WORK SHALL BE COORDINATED WITH ARCHITECTURAL AND MECHANICAL DRAWINGS AND SHALL CONFORM TO THE PROJECT SPECIFICATIONS, INCLUDING THE INTERNATIONAL BUILDING CODE, LATEST EDITION.
2. CONTRACTOR SHALL PROVIDE TEMPORARY SHORING, BRACING, AND SHEETING AND MAKE SAFE ALL FLOORS, ROOFS, WALLS, AND ADJACENT PROPERTY AS PROJECT CONDITIONS REQUIRE. SHORING AND SHEETING SHALL BE DESIGNED BY A REGISTERED PROFESSIONAL ENGINEER LICENSED IN THE PROJECT JURISDICTION, HIRED BY THE CONTRACTOR, WHO SHALL SUBMIT SHOP DRAWINGS AND CALCULATIONS FOR THE OWNER'S REVIEW.
3. DIMENSIONS AND ELEVATIONS OF EXISTING CONSTRUCTION GIVEN IN STRUCTURAL DRAWINGS ARE BASED ON INFORMATION CONTAINED IN VARIOUS ORIGINAL DESIGN AND CONSTRUCTION DOCUMENTS PROVIDED BY THE OWNER, AND LIMITED FIELD OBSERVATIONS AND MEASUREMENTS. THE CONTRACTOR SHALL VERIFY ALL INFORMATION PERTAINING TO EXISTING CONDITIONS BY ACTUAL MEASUREMENT AND OBSERVATION AT THE SITE. ALL DISCREPANCIES BETWEEN ACTUAL CONDITIONS AND THOSE SHOWN IN THE CONTRACT DOCUMENTS SHALL BE REPORTED TO THE ENGINEER OF RECORD FOR EVALUATION BEFORE THE AFFECTED CONSTRUCTION IS PUT IN PLACE.
4. THE CONTRACT DRAWINGS AND SPECIFICATIONS ARE COMPLEMENTARY. THESE NOTES HIGHLIGHT RATHER THAN REPLACE THE SPECIFICATIONS CONTAINED IN THE PROJECT MANUAL.

FOUNDATIONS

1. BUILDING FOUNDATIONS SHALL BEAR ON UNDISTURBED SOIL HAVING MINIMUM BEARING CAPACITY OF 2000 PSF AS SPECIFIED BY THE GEOTECHNICAL CONSULTANT. ADEQUACY OF BEARING STRATUM SHALL BE VERIFIED IN FIELD PRIOR TO PLACING CONCRETE.ALL NECESSARY ADJUSTMENTS TO THE BOTTOM OF FOOTINGS TO BE REVIEWED AND APPROVED BY THE STRUCTURAL ENGINEER OF RECORD.
2. DO NOT PLACE BACKFILL AGAINST BASEMENT WALLS UNTIL ALL FLOORS BRACING THESE WALLS ARE IN PLACE AND HAVE ATTAINED THEIR 28 DAY STRENGTH.
3. ALL EXTERIOR FOOTINGS SHALL BE PLACED A MINIMUM OF 3'-6" BELOW FINAL GRADE.
4. CONCRETE SHALL BE POURED IN DRY EXCAVATIONS. CONTRACTOR SHALL NOTE SOIL AND WATER CONDITIONS AS SHOWN BY BORINGS AND DEPTHS OF FOOTING AS SHOWN ON FOUNDATION PLANS.

CONCRETE

1. ALL CONCRETE WORK SHALL CONFORM TO THE ACI FOLLOWING GOVERNING STANDARDS.
   A. AMERICAN CONCRETE INSTITUTE (ACI) "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE" (ACI 318), LATEST EDITION. PER GOVERNING BUILDING CODE
   B. ACI "MANUAL OF CONCRETE PRACTICE", LATEST EDITION
   C. CONCRETE REINFORCING STEEL INSTITUTE (CRSI) "MANUAL OF STANDARD PRACTICE", LATEST EDITION
2. ALL CONCRETE COMPOSITE ON METAL DECK SHALL BE LIGHT WEIGHT CONCRETE WITH A MINIMUM COMPRESSIVE STRENGTH OF 3,000 PSI AT 28 DAYS, UNLESS OTHERWISE NOTED.
3. ALL OTHER CONCRETE SHALL BE NORMAL WEIGHT CONCRETE WITH A MINIMUM COMPRESSIVE STRENGTH OF 4,000 PSI AT 28 DAYS, UNLESS OTHERWISE NOTED.
4. REINFORCING STEEL SHALL BE DEFORMED BARS CONFORMING TO ASTM A615, GRADE 60 OR A775 EPOXY COATED WHEN CALLED OUT ON PLAN. REINFORCING STEEL SHALL BE DETAILED ACCORDING TO THE ACI "DETAILS AND DETAILING OF REINFORCEMENT", (ACI 315), LATEST EDITION.
5. WELDED WIRE FABRIC (WWF) SHALL CONFORM TO ASTM A1064, WITH A MINIMUM YIELD STRENGTH OF 65,000 PSI.
6. COORDINATE SIZE AND LOCATION OF ALL OPENINGS AND PIPE SLEEVES WITH ALL OTHER DISCIPLINES DRAWINGS. MINIMUM CONCRETE BETWEEN SLEEVES SHALL BE 6".
7. ALL GROUT SHALL BE NONSHRINK WITH A MINIMUM COMPRESSIVE STRENGTH OF 5000 PSI.
8. PROVIDE CLEARANCE FROM FACE OF CONCRETE TO REINFORCEMENT AS FOLLOWS:
   A. SLABS: 3/4"
   B. BEAMS & COLUMNS: 1-1/2"
   C. FOOTINGS: 3"
   D. EXTERIOR WALLS: 2" FOR #6 OR LARGER, 1-1/2" FOR #5 OR SMALLER
   E. INTERIOR WALLS: 3/4"
9. SHOP DRAWINGS SHALL BE SUBMITTED TO THE STRUCTURAL ENGINEER FOR REVIEW AND APPROVAL. NO CONCRETE WORK SHALL COMMENCE WITHOUT APPROVED SHOP DRAWINGS.
10. CLEAN AND ROUGHEN TO 1/4" AMPLITUDE ALL EXISTING CONCRETE SURFACES TO RECEIVE NEW CONCRETE PRIOR TO PLACEMENT.
11. SEE OTHER DRAWINGS IN THIS PROJECT FOR SIZE AND LOCATIONS OF EQUIPMENT PADS, INSERT AND EMBED ITEMS.
12. REINFORCING DOWELS, WATERSTOPS, AND OTHER EMBED ITEMS SHALL BE INSTALLED AND SECURED PRIOR TO CONCRETE PLACEMENT. "WET-SETTING" OF EMBEDDED ITEMS IS NOT PERMITTED.
13. WELDED WIRE FABRIC REINFORCEMENT IN COMPOSITE CONSTRUCTION SHALL HAVE TENSION SPLICES AND BE ANCHORED AT DISCONTINUOUS EDGES.

CONCRETE BLOCK

1. ALL CONCRETE BLOCK WORK SHALL CONFORM TO THE "NATIONAL CONCRETE MASONRY ASSOCIATION TEK MANUAL FOR THE DESIGN AND CONSTRUCTION OF CONCRETE MASONRY", LATEST EDITION AND "ACI 530-BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES", LATEST EDITION. PER GOVERNING CODE.
2. CONCRETE BLOCK SHALL BE OF LIGHTWEIGHT AGGREGATE AND CONFORM TO THE FOLLOWING STANDARDS: SOLID/HOLLOW BLOCK: ASTM C90.

NET AREA COMPRESSIVE STRENGTH OF CONCRETE MASONRY UNIT (PSI)	NET AREA COMPRESSIVE STRENGTH OF MASONRY ASSEMBLY, F'm (PSI) USING TYPE S MORTAR
1900	1500
2800	2000
3750	2500
4800	3000

UNLESS OTHERWISE NOTED ON PLANS AND/OR ELEVATIONS, CONCRETE BLOCK UNIT STRENGTH SHALL BE 1900 PSI MIN. NOTE: CONCRETE BLOCK WITH UNIT STRENGTH HIGHER THAN 1900 PSI REQUIRE LONGER DELIVERY LEAD TIMES.

3. ALL MORTAR SHALL BE ASTM C270, TYPE S.
4. ALL GROUT FOR FILLING CELLS SHALL BE ASTM C 476 WITH MINIMUM COMPRESSIVE STRENGTH OF 2000 PSI BUT NOT LESS THAN THE COMPRESSIVE STRENGTH OF THE MASONRY ASSEMBLY, F'm. WHERE GROUT CELLS DO NOT EXCEED 4" IN DIAMETER FINE GROUT SHALL BE USED.
5. ALL BLOCK DIMENSIONS INDICATED ON STRUCTURAL PLANS ARE NOMINAL DIMENSIONS.
6. ALL CONCRETE BLOCK BELOW GRADE SHALL BE FILLED SOLID WITH GROUT.
7. CONCRETE BLOCK BELOW BEAM OR TRUSS BEARING POINTS SHALL BE FILLED SOLID FOR A MINIMUM OF TWO COURSES IN DEPTH AND A MINIMUM OF 32" IN WIDTH, UNLESS NOTED OTHERWISE.
8. INSTALL STANDARD WEIGHT LADDER JOINT REINFORCEMENT AT 16" ON CENTER (SPACED VERTICALLY).
9. UNLESS NOTED OTHERWISE ALL MASONRY WALLS SHALL BE REINFORCED WITH #4@48" ON CENTER VERTICAL. GROUT ALL REINFORCED CELLS SOLID. PROVIDE DOWELS TO MATCH VERTICAL REINFORCING AT FOUNDATION.

PRECAST CONCRETE PLANK

1. ALL PRECAST CONCRETE PLANK WORK SHALL CONFORM TO THE "PCI DESIGN HANDBOOK, LATEST EDITION PER GOVERNING BUILDING CODE.
2. PRECAST CONCRETE PLANK MANUFACTURER SHALL RETAIN THE SERVICES OF A PROFESSIONAL ENGINEER LICENSED IN THE PROJECT JURISDICTION WHO SHALL CERTIFY TO THE ARCHITECT AND ENGINEER AND ASSUME RESPONSIBILITY AS FOLLOWS:
   A. THE DESIGN OF THE PLANKS IS SAFE FOR THE LOADS SPECIFIED IN THE LOADING SCHEDULE.
   B. THE STRENGTH OF THE CONCRETE IS AS CALLED FOR IN THE DESIGN SUBMITTED.
   C. THE PLANK WAS FABRICATED IN ACCORDANCE WITH THE DESIGN PRACTICE.
   D. THE PLANK WAS ERECTED IN ACCORDANCE WITH THE DESIGN AS WELL AS ACCEPTABLE STANDARDS OF CONCRETE AND ENGINEER PRACTICE.
3. PRECAST CONCRETE PLANK MANUFACTURER SHALL SUBMIT SHOP DRAWINGS TO THE ARCHITECT FOR APPROVAL BEFORE PROCEEDING WITH FABRICATION.
4. ALL OPENINGS IN THE PLANK MUST BE SHOP DETAILED FIRST. PLANK PARALLEL AND ADJACENT TO THE OUTSIDE WALL SHALL BE FULL WIDTH.
5. GROUTING OF PLANK KEYS AND UNDER BEARING WALL ABOVE SHALL BE NON SHRINK, NONMETALLIC GROUT 3,000 PSI AT 28 DAYS. GROUT BEFORE BEARING WALLS ABOVE ARE STARTED.
6. THE MINIMUM COMPRESSIVE STRENGTH OF THE CONCRETE USED FOR CONCRETE PLANK SHALL BE 5,000 PSI AT 28 DAYS AND MADE AND TESTED AS PER ASTM C31 AND C39. INSPECTION AND CONCRETE REPORTS SHALL BE FILED WITH THE LOCAL DEPARTMENT OF BUILDINGS.
7. TESTING AND PRODUCT VERIFICATION SHALL BE AVAILABLE FOR DISTRIBUTION.
8. OPENINGS AND INSERTS IN PLANK REQUIRED BY FIELD CONDITIONS SHALL BE APPROVED BY PLANK MANUFACTURER.
9. ALL BEARING PADS TO BE KOROLATH. MASONITE BEARING PADS SHALL NOT BE USED.

STRUCTURAL STEEL

1. ALL STRUCTURAL STEEL WORK SHALL CONFORM TO THE FOLLOWING GOVERNING STANDARDS:
   A. AISC 360 "SPECIFICATIONS FOR STRUCTURAL STEEL BUILDINGS" AND AISC 303 "CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES"
   B. AMERICAN WELDING SOCIETY (AWS D1.1) "STRUCTURAL WELDING CODE - STEEL"
2. ALL STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING ASTM SPECIFICATIONS:
   A. WIDE FLANGE BEAMS, COLUMNS, AND STRUCTURAL TEES: ASTM A992
   B. HOLLOW STRUCTURAL SECTIONS: ASTM A500, GRADE B
   C. STRUCTURAL PIPE SECTIONS: ASTM A53, GRADE B
   D. CHANNELS, ANGLES, AND PLATES: ASTM A36 UNLESS OTHERWISE NOTED.
   E. STRUCTURAL STEEL PLATE SHALL BE ASTM A572 GRADE 50 HAVING A MINIMUM YIELD POINT OF 50,000 PSI. GRADE 42 HAVING A MINIMUM YIELD POINT OF 42,000 PSI FOR THICKNESS GREATER THAN 4".
   F. BOLTED CONNECTIONS OF BEAMS/GIRDERS ARE TO BE DESIGNED AS FOLLOWS:
      a. STANDARD BEAM TO BEAM/GIRDER: A325 OR A490 BEARING TYPE BOLTS (3/4" DIAMETER MINIMUM WITH HARDENED WASHERS).
      b. BEAM/GIRDER TO COLUMN CONNECTIONS: A325-SC OR A490-SC TYPE BOLTS (3/4" DIAMETER MINIMUM WITH HARDENED WASHERS).
   G. ANCHOR BOLTS: ASTM F1554, GRADE 36.
   H. STRUCTURAL STEEL NOTED TO BE STAINLESS STEEL SHALL BE ASTM A276 STAINLESS STEEL GRADE 304.
   I. ALL STAINLESS STEEL BOLTS SHALL CONFORM TO ASTM F593 ALLOY 304.
   J. ALL STAINLESS STEEL NUTS SHALL CONFORM TO ASTM F594 ALLOY 304.
3. STEEL CONNECTION SHALL BE STANDARD AISC FRAMED BEAM CONNECTIONS, AND SHALL BE
   - DESIGNED BY A LICENSED ENGINEER WORKING FOR THE FABRICATOR, WHO SHALL PROVIDE CALCULATIONS,
   - UTILIZING ASD OR LRFD LOADS AND PROCEDURES.
   A. FOR NON-COMPOSITE MEMBERS, PROVIDE CONNECTIONS BASED ON REACTION AS DETERMINED FROM AISC UNIFORM LOAD TABLE (UNLESS OTHERWISE NOTED ON PLANS).
   B. FOR COMPOSITE MEMBERS, PROVIDE CONNECTIONS BASED ON 1.5 x REACTION FROM AISC UNIFORM LOAD TABLE (UNLESS OTHERWISE NOTED ON PLANS).
   C. REINFORCING IS TO BE PROVIDED AT CONNECTIONS WHERE CUTS REDUCE THE SHEAR OR MOMENT CAPACITY BELOW THAT REQUIRED TO SUSTAIN THE REACTION. FLANGES AND WEB ARE TO BE REINFORCED WHERE THE LOCAL CAPACITY TO SUSTAIN CONNECTION LOAD IS INADEQUATE.
   D. CONNECTIONS SHALL BE DESIGNED FOR SHEAR AND ECCENTRICITY, CONSIDERING THAT THE CONNECTION IS AN EXTENSION OF THE BEAM AND GIRDERS.
4. MINIMUM WELD SIZE IS 1/4" FILLET UNLESS NOTED OTHERWISE.
5. ALL BEAMS EXCEPT CANTILEVER BEAMS SHALL BE FABRICATED AND INSTALLED WITH NATURAL CAMBER UP. CANTILEVER BEAMS SHALL BE FABRICATED AND INSTALLED SO THAT NATURAL CAMBER RAISES CANTILEVER END.
6. FIELD CUTTING OR BURNING OF STEEL IS PROHIBITED EXCEPT WITH THE EXPRESS WRITTEN APPROVAL OF THE STRUCTURAL ENGINEER OF RECORD.
7. WELDING SHALL BE PERFORMED BY CERTIFIED LICENSED, AWS-QUALIFIED WELDERS. ELECTRODES SHALL BE AWS 5.1, CLASS E70XX (USE LOW HYDROGEN ELECTRODES FOR A572, GRADE 50 STEEL). WELDING ELECTRODES FOR ASTM A276-97 STAINLESS STEEL, GRADE 304, SHALL CONFORM TO AWS A5.4 FOR SHIELDED METAL ARC WELDING, ELECTRODE CLASS E304; OR AWS A5.9 FOR GAS METAL ARC WELDING, ELECTRODE CLASS ER304, Ft=70 KSI.
8. SHOP PAINT EXTERIOR EXPOSED STEEL MEMBERS, STEEL MEMBERS NOT ENCASED IN CONCRETE OR SPRAY FIREPROOFED, AND ALL STEEL MEMBERS AT THE EXTERIOR WALL WITH TNEMEC #10-99 "OR APPROVED EQUAL" FIELD PAINT ALL EXTERIOR EXPOSED MEMBERS WITH TNEMEC 530 OMNITHANE OR APPROVED EQUAL.
9. LINTELS SHALL BE INSTALLED OVER ALL OPENINGS IN MASONRY WALLS AS FOLLOWS:

MASONRY OPENING	LINTEL
4'-0" OR LESS	L4x3-1/2x5/16 LLV
4'-1" to 7'-0"	L6x3-1/2x5/16 LLV

   A. 3-1/2" LEGS ARE HORIZONTAL.
   B. PROVIDE ONE ANGLE FOR EACH 4" OF WALL THICKNESS.
   C. PROVIDE L5x5x5/16 ANGLES FOR 6" THICK WALLS AND PARTITIONS WITH OPENINGS UP TO 6'-0".
   D. PROVIDE MINIMUM 6" BEARING AT EACH END.
   E. LINTELS OVER 4'-0" SHALL BE FIREPROOFED. 6'-0" FOR IBC
10. SHOP AND ERECTION DRAWINGS SHALL BE SUBMITTED TO THE STRUCTURAL ENGINEER FOR REVIEW AND APPROVAL. NO FABRICATION OF STEEL SHALL COMMENCE WITHOUT APPROVED SHOP DRAWINGS.
11. PROVIDE MECHANICALLY GALVANIZED BOLTS FOR EXTERIOR APPLICATIONS.

METAL DECK

1. METAL DECKING WORK SHALL CONFORM TO THE AISI NORTH AMERICAN "SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS", LATEST EDITION. PER GOVERNING BUILDING CODE.
2. METAL DECKING UNITS AND ACCESSORY ITEMS SHALL BE FORMED FROM STEEL SHEETS CONFORMING TO ASTM A611 OR A653 WITH A MINIMUM YIELD STRENGTH OF 33,000 PSI. BEFORE FORMING, THE STEEL SHEET SHALL RECEIVE A HOT DIP GALVANIZED COATING CONFORMING TO ASTM A653, GRADE 90.
3. METAL DECKING SHALL BE SHORED AS REQUIRED BY PLANS OR BY SPAN AND LOAD CONDITIONS TO SUPPORT WET WEIGHT OF CONCRETE AND ALL CONSTRUCTION LOADS.
4. EXCEPT AS OTHERWISE NOTED, DECK SHALL BE ATTACHED TO STRUCTURAL STEEL BY 3/4"Ø FUSION WELDS @12" ON CENTER. AT END AND INTERIOR SUPPORTS PERPENDICULAR TO THE DECK SPAN AND AT EDGE AND INTERIOR SUPPORTS PARALLEL TO THE DECK SPAN. WELDS MAY BE OMITTED IN RIBS IN WHICH SHEAR CONNECTORS ARE TO BE APPLIED, EXCEPT THAT EACH DECK SECTION SHALL HAVE SUFFICIENT WELDS TO ADEQUATELY SECURE THE DECK, BRING THE DECK INTO DIRECT CONTACT WITH THE SUPPORTING STEEL AND TO PROVIDE SUFFICIENT DIAPHRAGM STRENGTH TO MAINTAIN BUILDING ALIGNMENT.
5. PRIOR TO FABRICATION, THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR THE METAL DECKING SHOWING DECK GAUGE, SIZE, AND LAYOUT AS WELL AS CLOSURE CONDITIONS, WELDS TO SUPPORTS AND SIDE LAP DETAILS.
6. ALL REINFORCED OPENINGS IN METAL DECK SHALL BE INSTALLED BY METAL DECK SUBCONTRACTOR. METAL DECK SUBCONTRACTOR TO PROVIDE REINFORCING AS PER TYPICAL DETAILS.
7. AT METAL DECK WITHOUT CONCRETE FILL THE FOLLOWING MAY BE ATTACHED WITHOUT SPECIFIC APPROVAL OF THE STRUCTURAL ENGINEER: ACOUSTICAL TILE AND GYPSUM BOARD CEILING ONLY; NO PIPING, DUCTING OR CONDUIT. MAXIMUM CEILING WEIGHT = 3.5 PSF. MAXIMUM WIRE HANGER LOAD = 60 LBS.
8. WHERE SUSPENSION OF HANGER WIRES ARE REQUIRED BY OTHERS, VERIFY AND COORDINATE LOCATIONS, PATTERNS, SPACING, ETC. WITH THE APPROPRIATE TRADE. DRILL OR PUNCH HOLES AT BOTTOM OF DECK FLUTES OF SUFFICIENT SIZE TO PASS SUPPORT WIRES. WIRE SUPPORTS HALL BE LOOPED AND SECURED WITH A MINIMUM OF THREE (3) TIGHT TURNS AROUND A MINIMUM 11/2"x12" LONG FURRING CHANNEL OR NO. 3x12" LONG REINFORCING BAR CENTERED ABOVE THE HOLE AND LAID IN THE DECK FLUTES.

COLD FORMED METAL FRAMING

1. ALL COLD FORMED METAL FRAMING WORK SHALL COMPLY WITH THE AISI NORTH AMERICAN "SPECIFICATION FOR THE DESIGN OF COLD FORMED STEEL STRUCTURAL MEMBERS", LATEST EDITION. PER GOVERNING BUILDING CODE AS WELL AS ANSI A42.4 "SPECIFICATIONS FOR INTERIOR LATHING AND FURRING.
2. ALL PLYWOOD APPLIED TO METAL JOISTS SHALL BE SCREWED AND GLUED TO THE JOISTS. THE ADHESIVE SHALL BE AN APA APPROVED ELASTOMERIC ADHESIVE.
3. INSTALL METAL FRAMING IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS AND RECOMMENDATIONS, UNLESS OTHERWISE INDICATED. ALL MATERIALS SHALL BE GALVANIZED.
4. ALL LOAD BEARING STUDS, JOISTS, AND ACCESSORIES SHALL BE MADE OF THE MINIMUM TYPE, SIZE, GAUGE, AND SPACING SHOWN ON DRAWINGS AND PROVEN IN THE CALCULATIONS.
5. SUBMIT SIGNED AND SEALED SHOP DRAWINGS AND CALCULATIONS FOR ALL LOAD BEATING COLD FORMED METAL FRAMING (JOISTS, STUDS, ETC.) PRIOR TO FABRICATION SHOP DRAWINGS SHALL INDICATE PLACING OF ALL FRAMING MEMBERS SHOWING TYPE, SIZE, GAGE, NUMBER, LOCATION AND SPACING. THEY SHALL ALSO INDICATE SUPPLEMENTAL STRAPPING, BRACING, SPLICES, BRIDGING, ACCESSORIES AND DETAILS REQUIRED FOR PROPER INSTALLATION. SEE SPECIFICATIONS, LOADING DIAGRAMS AND SCHEDULE FOR STRUCTURAL PERFORMANCE CRITERIA.
6. SHOP DRAWINGS SHALL SHOW SIZE AND LENGTH OF WELDS FOR ALL WELDED CONNECTIONS AND TYPE, SIZE AND NUMBER OF SCREWS FOR ALL SCREWED CONNECTIONS. SUBMIT MANUFACTURER DATA GIVING STRENGTH VALUES FOR ALL FASTENERS USED. WELDED CONNECTIONS SHALL BE WIRE BRUSHED AND COATED WITH A ZINC RICH PAINT.
7. ALL GALVANIZED STUDS AND/OR JOISTS, 10, 12, 14 AND 16 GAGE, SHALL BE FORMED FROM STEEL THAT CORRESPONDS TO THE REQUIREMENTS OF ASTM A446, GRADE D, WITH A MINIMUM YIELD OF 50,00 PSI.
8. ALL GALVANIZED 18 AND 20 GAGE STUDS AND/OR JOISTS, AND ALL GALVANIZED TRACK, BRIDGING AND ACCESSORIES SHALL BE FORMED FROM STEEL THAT CORRESPONDS TO THE REQUIREMENTS OF ASTM A446, GRADE A, WITH A MINIMUM YIELD OF 33,000 PSI.
9. ALL STUDS, JOIST AND ACCESSORIES SHALL BE PRIMED WITH RUST - INHIBITIVE PAINT MEETING THE PERFORMANCE REQUIREMENTS OF TT-P-636C, OR SHALL BE FORMED FROM STEEL HAVING A G-60 GALVANIZED COALING.
10. FRAMING COMPONENTS MAY BE PRE-ASSEMBLED INTO PANELS PRIOR TO ERECTING. PREFABRICATED PANELS SHALL BE SQUARE WITH COMPONENTS ATTACHED IN A MANNER AS TO PREVENT RACKING.
11. AXIALLY LOADED STUDS SHALL BE INSTALLED IN A MANNER WHICH WILL ASSURE THE ENDS OF THE STUDS ARE POSITIONED AGAINST THE INSIDE TRACK WEB, PRIOR TO STUD AND TRACK ATTACHMENT.
12. STUDS SHALL BE PLUMBED, ALIGNED AND SECURELY ATTACHED TO THE FLANGES OR WEBS OF BOTH UPPER AND LOWER TRACKS.
13. WALL STUD BRIDGING SHALL BE ATTACHED IN A MANNER TO PREVENT STUD ROTATION. BRIDGING ROWS SHALL BE SPACED ACCORDING TO THE FOLLOWING SCHEDULE. WALLS UP TO 10'-0" HEIGHT: ONE ROW AT MID-HEIGHT. WALLS EXCEEDING 10'-0" HEIGHT; BRIDGING ROWS SPACED NOT TO EXCEED 5'-0" ON-CENTER.
14. CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL TEMPORARY BRACING AND SHORING AS REQUIRED UNTIL ERECTION IS COMPLETED AND ALL ATTACHED ADJACENT FRAMING IS COMPLETE.
15. SPLICES IN AXIALLY LOADED STUDS ARE NOT PERMITTED.
16. JOISTS SHALL BE LOCATED DIRECTLY OVER BEARING STUDS OR LOAD DISTRIBUTION MEMBER TO BE PROVIDED AT THE TOP TRACK.

POST INSTALLED ADHESIVE AND MECHANICAL ANCHORS

1. POST INSTALLED ANCHORAGE SHALL BE INSTALLED PER MANUFACTURER TECHNICAL DATA TO INTACT BASE MATERIAL. NOTIFY ENGINEER OF RECORD PRIOR TO INSTALLATION IF BASE MATERIAL CONDITION DEVIATES FROM STRUCTURAL DRAWINGS OR MANUFACTURER TECHNICAL DATA.
2. MANUFACTURER DATA FOR ALTERNATE ANCHORAGE PROPOSED BY CONTRACTOR SHALL BE SUBMITTED TO ENGINEER OF RECORD FOR REVIEW AND APPROVAL. SUBMITTAL SHALL INCLUDE THE ICC EVALUATION SERVICE REPORT WITH ICC TESTED CAPACITY MEETING OR EXCEEDING CAPACITY OF ANCHORAGE SPECIFIED IN CONTRACT DOCUMENTS.
3. UNLESS OTHERWISE INDICATED, POST INSTALLED ANCHORAGE SHALL BE ADHESIVE TYPE HILTI HIT-HY200 MAX INTO CONCRETE, GROUT FILLED CMU OR STONE BASE MATERIAL OR HILTI-HIT HY70 INTO BRICK MASONRY OR UNGROUTED CMU BASE MATERIAL
4. EXISTING REINFORCING BARS IN THE STRUCTURE MAY CONFLICT WITH SPECIFIC ANCHOR LOCATIONS. UNLESS NOTED ON THE DRAWINGS THAT THE EXISTING REBARS CAN BE CUT, THE CONTRACTOR SHALL REVIEW THE EXISTING STRUCTURAL DRAWINGS AND SHALL UNDERTAKE TO LOCATE THE POSITION OF THE REINFORCING BARS BY A MEANS APPROVED BY THE ENGINEER OF RECORD.

WOOD STRUCTURAL PANEL SHEATHING

1. PROVIDE STRUCTURAL I PLYWOOD SHEATHING WITH BOND CLASSIFICATIONS APPROPRIATE TO THE END USE: "EXTERIOR" (PERMANENT EXPOSURE), OR "EXPOSURE I" (CONSTRUCTION EXPOSURE ONLY)
2. FLOOR SHEATHING: NOM. 3/4" THICK T&G PLYWOOD (48/24 SPAN RATING), APA STURD-I-FLOOR, OR ADVANTECH SUBFLOOR.
3. ROOF SHEATHING (STANDARD): NOM. 5/8" THICK T&G PLYWOOD (48/24 SPAN RATING).
4. ROOF SHEATHING (UNDER SLATE OR CLAY TILE): NOM. 3/4" THICK T&G PLYWOOD (48/24 SPAN RATING).
5. WALL SHEATHING (STANDARD: NOM. 1/2" THICK PLYWOOD (32/16 SPAN RATING).
6. WALL SHEATHING (BEHIND SLATE, CLAY TILE, OR MASONRY VENEER): NOM. 3/4" THICK PLYWOOD (48/24 SPAN RATING).
7. USE PLY CLIPS OR OTHER EDGE SUPPORT AS REQUIRED FOR PLYWOOD SHEATHING.
8. LEAVE 1/16" SPACE AT ALL PLYWOOD PANEL END JOINTS AND 1/8" SPACE AT ALL PANEL EDGE JOINTS.
9. UNLESS NOTED OTHERWISE, WALL SHEATHING SHALL BE FASTENED TO FRAMING WITH 8d COMMON NAILS @ 4" ON CENTER AT EACH SHEET PERIMETER AND 12" ON CENTER ELSEWHERE. PROVIDE 2x6 BLOCKING AT ALL FREE EDGES.
10. UNLESS NOTED OTHERWISE, ROOF SHEATHING SHALL BE FASTENED TO FRAMING WITH 8d COMMON NAILS @ 6" ON CENTER AT EACH SHEET PERIMETER AND 12" ON CENTER ELSEWHERE.
11. ALL FLOOR SHEATHING SHALL BE GLUED AND SCREWED TO FLOOR JOISTS USING AN APA APPROVED ADHESIVE AND #8 SCREWS @ 6" ON CENTER AT EACH SHEET PERIMETER AND 12" ON CENTER ELSEWHERE, UNLESS NOTED OTHERWISE.

ENGINEERED WOOD PRODUCTS

1. WOOD I-JOISTS: PROVIDE ENGINEERED WOOD I-JOISTS, SIZES AND SERIES AS SHOWN, AS MANUFACTURED BY WEYERHAEUSER OR APPROVED EQUAL. INSTALL IN STRICT COMPLIANCE WITH THE MANUFACTURER'S STANDARD RECOMMENDATIONS AND DETAILS, INCLUDING CONSTRUCTION BRACING, MINIMUM BEARING LENGTHS, WEB STIFFENERS, SQUASH BLOCKS, BLOCKING, KNOCK-OUTS AND HOLES, ETC.
2. RIM BOARDS: PROVIDE CONTINUOUS 1-1/4" THICK RIM BOARDS, TIMBERSTRAND LSL AS MANUFACTURED BY WEYERHAEUSER OR APPROVED EQUAL. INSTALL IN COMPLIANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AT THE PERIMETER OF ALL FLOOR PLATFORMS
3. MICRO-LAM BEAMS: PROVIDE ENGINEERED BEAMS, SIZES AS SHOWN, MICROLLAM LVL OR PARALLAM PSL AS MANUFACTURED BY WEYERHAEUSER OR APPROVED EQUAL. INSTALL IN STRICT COMPLIANCE WITH THE MANUFACTURER'S STANDARD RECOMMENDATIONS AND DETAILS.
4. GLUED LAMINATED TIMBER (SOFTWOOD): PROVIDE ENGINEERED BEAMS, SIZES AS SHOWN, IN ACCORDANCE WITH AITC 117-84 DESIGN STANDARD SPECIFICATIONS FOR STRUCTURAL GLUED LAMINATED TIMBER OF SOFTWOOD SPECIES. UNLESS NOTED OTHERWISE, ALL LAMINATIONS SHALL BE SOUTHERN PINE.
5. ROOF TRUSSES: PROVIDE PRE-ENGINEERED ROOF TRUSSES, AS SHOWN ON THE DOCUMENTS, TO RESIST LOADS TABULATED ON THIS SHEET (INCLUDING NET UPLIFT). INSTALL IN STRICT COMPLIANCE WITH THE MANUFACTURER'S STANDARD RECOMMENDATIONS AND DETAILS. FABRICATOR SHALL SUBMIT LAYOUT PLANS AND ENGINEERING DRAWINGS FOR APPROVAL PRIOR TO FABRICATION.

FRAMING LUMBER

1. ALL FRAMING LUMBER WORK SHALL CONFORM TO THE FOLLOWING GOVERNING STANDARDS:
   A. AMERICAN INSTITUTE OF TIMBER CONSTRUCTION, "TIMBER CONSTRUCTION MANUAL" LATEST EDITION.
   B. NATIONAL FOREST PRODUCTS ASSOCIATION "NATIONAL DESIGN SPECIFICATIONS FOR WOOD CONSTRUCTION," LATEST EDITION.
2. FRAMING LUMBER SHALL HAVE EACH PIECE GRADE STAMPED, SHALL BE SURFACED DRY (EXCEPT STUDS, WHICH SHALL BE KILN DRIED) AND SHALL CONFORM TO THE FOLLOWING SPECIES AND GRADE:
   A. RAFTERS AND JOISTS: DOUGLAS FIR-LARCH #2 OR HEM FIR #2
   B. BEAMS, GIRDERS AND HEADERS: DOUGLAS FIR-LARCH #1 OR HEM FIR #1
   C. STUDS AND PLATES: DOUGLAS FIR-LARCH STUD GRADE OR HEM FIR STUD GRADE
3. TIMBER LUMBER SHALL CONFORM TO THE FOLLOWING SPECIES AND GRADE:
   A. POST AND TIMBER: DOUGLAS FIR-LARCH #1 OR HEM FIR #1
   B. BEAMS AND STRINGERS: DOUGLAS FIR-LARCH #1 OR HEM FIR #1
4. PRESERVATIVE-TREATED WOOD: PROVIDE TREATED DOUG-FIR #2 LUMBER COMPLYING WITH ACQ-D (CARBONATE). COPPER AZOLE (CA-B), OR SODIUM BORATE (SBX (DOT) WITH NaS10/2) AT ALL LUMBER IN CONTACT WITH CONCRETE OR MASONRY, OR AS OTHERWISE INDICATED ON ARCHITECTURAL OR STRUCTURAL DRAWINGS. ACZA TREATMENT IS NOT PERMITTED. TREATED LUMBER AND/OR PLYWOOD SHALL BEAR THE LABEL OF AN ACCREDITED AGENCY SHOWING 0.40 PCF RETENTION. WHERE LUMBER AND/OR PLYWOOD IS CUT OR DRILLED AFTER TREATMENT, THE TREATED SURFACE SHALL BE FIELD-TREATED WITH COPPER NAPTHENATE (THE CONCENTRATION OF WHICH SHALL CONTAIN A MINIMUM OF 2% COPPER METAL) BY REPEATED BRUSHING, DIPPING, OR SOAKING UNTIL THE WOOD ABSORBS NO MORE PRESERVATIVE.
5. ALL WOOD FRAMING INCLUDING DETAILS FOR BRIDGING, BLOCKING, FIRE STOPPING, ETC., SHALL CONFORM TO THE LATEST EDITION OF THE "NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION" AND ITS SUPPLEMENTS AND SHALL BE INSTALLED IN ACCORDANCE WITH THE NFPA "MANUAL FOR HOUSE FRAMING" OR THE GOVERNING LOCAL/STATE BUILDING CODE.
6. FASTENING SHALL BE IN ACCORDANCE WITH THE MOST RESTRICTIVE OF: THE GOVERNING LOCAL/STATE BUILDING CODE, (LATEST EDITION), OR THE MANUFACTURER'S RECOMMENDED FASTENING SCHEDULES.
7. ALL FLUSH FRAMED CONNECTIONS SHALL BE MADE WITH APPROVED GALVANIZED STEEL JOIST OR BEAM HANGERS, MINIMUM 18 GAUGE, INSTALLED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.
8. WHERE FRAMING LUMBER IS FLUSH FRAMED TO MICROLLAM, STEEL OR FLITCH-PLATE GIRDER, SET THESE GIRDERS 1/2" CLEAR (MIN.) BELOW TOP OF FRAMING LUMBER, TO ALLOW FOR SHRINKAGE.
9. STUD BEARING WALLS ARE TO BE 2x4 @ 16" ON CENTER AT THE INTERIOR AND 2x6 @ 16" ON CENTER AT THE EXTERIOR, UNLESS NOTED OTHERWISE ON PLAN.
10. ALL RAFTERS AND JOISTS SHALL ALIGN DIRECTLY WITH STUDS BELOW. WHERE REQUIRED, INSTALL ADDITIONAL STUDS.
11. LAP ALL PLATES AT CORNERS AND AT INTERSECTION OF PARTITIONS.
12. STAGGER ALL TOP AND BOTTOM PLATE SPLICES A MINIMUM OF 32 INCHES.
13. USE DOUBLE STUDS @ ENDS OF WALL AND ENDS OF WALL OPENINGS
14. AT THE ENDS OF ALL BEAMS, HEADERS AND GIRDERS PROVIDE A BUILT UP OR SOLID POST WHOSE WIDTH IS AT LEAST EQUAL TO THE WIDTH OF THE MEMBER IT IS SUPPORTING AND WHOSE DEPTH IS 4" (NOMINAL) AT INTERIOR WALLS AND 6" (NOMINAL) AT EXTERIOR WALLS.
15. USE DOUBLE TRIMMERS AND HEADERS AT ALL FLOOR OPENINGS WHERE BEAMS ARE NOT DESIGNATED.
16. PROVIDE CROSS BRIDGING AT A MAXIMUM OF 8'-0" ON CENTER.
17. BUILT UP BEAMS LESS THAN 8" DEEP SHALL BE SPIKED TOGETHER WITH (2) 16d NAILS @16" ON CENTER. BUILT UP BEAMS GREATER THAN 8" DEEP SHALL BE SPIKED TOGETHER WITH (3) 16d NAILS @16" ON CENTER.
18. WHERE CANTILEVERED BEAMS ARE INDICATED, THE FAR CONNECTOR SHALL BE CAPABLE OF RESISTING AN UPLIFT OF 1000 LBS. MINIMUM, UNLESS NOTED OTHERWISE.
19. NO NEW OR EXISTING JOISTS SHALL BE CUT OR NOTCHED WITHOUT APPROVAL.
20. WOOD HEADER SCHEDULE

ROUGH OPENING WIDTH	HEADER 2x4 WALL	HEADER 2x6 WALL
LESS THAN 3'-0"	(2) 2x6	(3) 2x8
3'-1 TO 4'-0"	(2) 2x8	(3) 2x8
4'-1" TO 6'-0"	(2) 2x10	(3) 2x10
6'-1" TO 8'-0"	(2) 2x12	(3) 2x12
OVER 8'-0"	SEE PLANS	SEE PLANS

NOTE:
PROVIDE (1) JACK STUD FOR SPANS LESS THAN 4'-0".
PROVIDE (2) JACK STUDS FOR SPANS FROM 4'-1" TO 8'-0".
PROVIDE (3) JACK STUDS FOR SPANS OVER 8'-0".

21. ALL LIGHT-GAUGE HANGERS SUPPORTING PRESERVATIVE TREATED WOOD SHALL MEET OR EXCEED G185 (1.85 OZ OF ZINC PER SQUARE FOOT). ALTERNATIVELY, STAINLESS STEEL CONNECTIONS MAY BE USED. FASTENERS SHALL MATCH THE HANGER FINISH AND MATERIAL.
22. WHERE JOIST ORIENTATION IS PARALLEL TO EXTERIOR STUD OR FOUNDATION WALLS, PROVIDE FULL-SECTION BLOCKING FOR 3 BAYS @ 4'-0" ON CENTER MAXIMUM WHERE SHEATHING IS NOT CONTINUOUSLY FASTENED TO TOP OR BOTTOM OF JOIST. PROVIDE 18 GA x 1-1/2" x 1'-0" (MINIMUM) FLAT TENSION STRAP BETWEEN ALIGNED BLOCKING MEMBERS.
23. ALL SILL PLATES SHALL BE PRESSURE TREATED AND ANCHORED TO FOUNDATION WALLS WITH 1/2" DIAMETER HEADED ANCHOR BOLTS (ASTM F1554) @ 4'-0" ON CENTER AND WITHIN 12" OF ALL SILL PLATES SPLICES. (MINIMUM 7" EMBED.)

SPECIAL INSPECTIONS

1. INSPECTIONS REQUIRED BY THE LOCAL JURISDICTION SHALL BE PERFORMED BY A TESTING AGENCY PROVIDED BY THE OWNER FOR THE FOLLOWING ITEMS:
   A. STEEL CONSTRUCTION (BC 1704.3, TABLE 1704.3)
      i. WELDING (BC 1704.3.1)
      ii. DETAILS (BC 1704.3.2)
      iii. HIGH-STRENGTH BOLTING (BC 1704.3.3)
   B. CONCRETE CONSTRUCTION (BC 1704.4, TABLE 1704.4)
      i. MATERIALS (BC 1704.4.1)
   C. MASONRY CONSTRUCTION (BC 1704.5)
      i. LEVEL 1 SPECIAL INSPECTIONS (TABLE 1704.5.1)
      ii. LEVEL 2 SPECIAL INSPECTIONS (TABLE 1704.5.3)
   D. SOILS (BC 1704.7, TABLE 1704.7)

THE TESTING AGENCY FOR THE INSPECTIONS SHALL FILE ALL APPROPRIATE FORMS WITH THE BUILDING DEPARTMENT.

RSA STANDARD ABBREVIATIONS

ADD'L	ADDITIONAL
ADJ.	ADJACENT
A/E	DESIGN TEAM OF RECORD
ALT.	ALTERNATE
ANCH.	ANCHOR
APPROX.	APPROXIMATE/APPROXIMATELY
ARCH.	ARCHITECT/ARCHITECTURAL
BLDG.	BUILDING
BM.	BEAM
B.O.	BOTTOM OF
BOT.	BOTTOM
BRG.	BEARING
BSMT.	BASEMENT
CANT.	CANTILEVER
CFS	COLD FORMED STEEL
C.I.P.	CAST IN PLACE
C.J.	CONTRACTION JOINT
CLG.	CEILING
CLR.	CLEAR
CMU	CONCRETE MASONRY UNIT
COL.	COLUMN
COMP.	COMPOSITE
CONC.	CONCRETE
CONST.	CONSTRUCTION
CONT.	CONTINUOUS
COORD.	COORDINATE/COORDINATION
CONTR.	CONTRACTOR
COTR	CONTRACT OFFICER'S TECHNICAL REPRESENTATIVE
CTR.	CENTER
DBL.	DOUBLE
DEMO	DEMOLITION/DEMOLISH
DIA.	DIAMETER
DIAG.	DIAGONAL
DIM.	DIMENSION
D.L.	DEAD LOAD
DN.	DOWN
DTL.	DETAIL
DWG(S)	DRAWING(S)
DWL.	DOWEL
EA.	EACH
E.F.	EACH FACE
E.J.	EXPANSION JOINT
EL.	ELEVATION
ELEC.	ELECTRICAL
ELEV.	ELEVATOR
EMBED.	EMBEDMENT
E.O.	EDGE OF
ENGR.	ENGINEER
E.O.R.	ENGINEER OF RECORD
EQ.	EQUAL
E.S.	EACH SIDE
E.W.	EACH WAY
EXP.	EXPANSION
EXT.	EXTERIOR
FDN.	FOUNDATION
FIN.	FINISH
FLR.	FLOOR
FRMG.	FRAMING
F.S.	FAR SIDE
FT.	FEET
FTG.	FOOTING
GA.	GAGE
GALV.	GALVANIZED
G.B.	GRADE BEAM
HDR.	HEADER
HGR.	HANGER
HORIZ.	HORIZONTAL
H.P.	HIGH POINT
HT.	HEIGHT
HVAC	HEATING, VENTILATION, & AIR CONDITIONING
I.D.	INSIDE DIAMETER
I.F.	INSIDE FACE
I.J.	ISOLATION JOINT
INFO	INFORMATION
INT.	INTERIOR
JT.	JOINT
K	KIP
LB.	POUND
L.L.	LIVE LOAD
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
L.P.	LOW POINT
L.W.	LIGHTWEIGHT
L.W.	LONG WAY
MAS.	MASONRY
MAX	MAXIMUM
MECH.	MECHANICAL
MEP	MECH., ELECT., PLUMBING, & F.P.
MFR.	MANUFACTURER
MIN.	MINIMUM
MISC.	MISCELLANEOUS
M.O.	MASONRY OPENING
N.F.	NEAR FACE
N.I.C.	NOT IN CONTRACT
NO.	NUMBER
N.S.	NEAR SIDE
N.T.S.	NOT TO SCALE
N.W.	NORMAL WEIGHT
O.C.	ON CENTER
O.D.	OUTSIDE DIAMETER
O.F.	OUTSIDE FACE
OPNG.	OPENING
OPP.	OPPOSITE
PC.	PIECE
P/C	PRECAST
PED	PEDESTAL
PERP.	PERPENDICULAR
PL.	PLATE
PLF	POUNDS PER LINEAR FOOT
PREFAB.	PREFABRICATED
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCE
P-T	POST-TENSIONED
REINF.	REINFORCE(D)/REINFORCEMENT
REQ'D	REQUIRED
REV.	REVISION
SCHED.	SCHEDULE
SECT.	SECTION
S.I.F.	STEP IN FOOTING
SIM.	SIMILAR
S.O.G.	SLAB ON GRADE
SPEC.	SPECIFICATION
SQ.	SQUARE
S.S.	STAINLESS STEEL
STD.	STANDARD
STIFF.	STIFFENER
STL.	STEEL
S.W.	SHORT WAY
SYM.	SYMMETRIC
T & B	TOP & BOTTOM
TEMP.	TEMPORARY/TEMPERATURE
THK.	THICK(NESS)
T.O.	TOP OF
TR.	TRANSFER
TYP.	TYPICAL
U.N.O.	UNLESS NOTED OTHERWISE
VERT.	VERTICAL
W/	WITH
W.P.	WORK POINT
W.W.F.	WELDED WIRE FABRIC
#	NUMBER/SIZE
Ø	DIAMETER

RSA STANDARD ABBREVIATIONS FOR EXISTING STRUCTURES

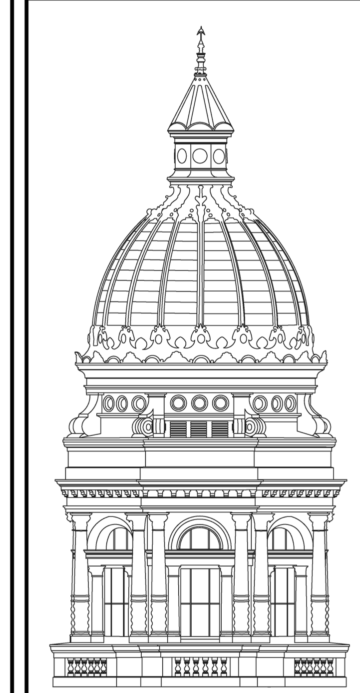
C.I.	CAST IRON
(E)	EXISTING MEMBER OR DMIENSION
EXIST.	EXISTING
T.C.	TERRACOTTA
U-P	UNDERPINNING
V.I.F.	VERIFY IN FIELD

RSA STANDARD ABBREVIATIONS FOR WOOD STRUCTURES

ACT.	ACTUAL
GLULAM	GLUE LAMINATED TIMBER
LSL	LAMINATED STRAND LUMBER
LVL	LAMINATED VENEER LUMBER
NOM.	NOMINAL
PSL	PARALLEL STRAND LUMBER
P.T.	PRESERVATIVE TREATED
R.O.	ROUGH OPENING
SQ.	SQUARE
T&G	TONGUE & GROOVE

State of Wyoming

Administration & Information
Construction Management



Capitol Square
Rehabilitation and Restoration

HDR PDP Preservation Design Partnership, LLC PLAN ARCHITECTS

ROBERT SILMAN ASSOCIATES
STRUCTURAL ENGINEERS

PRELIMINARY
NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION
1	2014/12/19	SD OWNER REVIEW

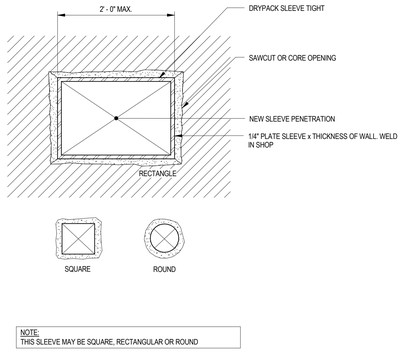
PROJECT NUMBER	203619
ORIGINAL ISSUE	-- -
PKG. IDENTIFIER	2

ABBREVIATIONS, SYMBOLS AND GENERAL NOTES

SCALE

2ST500

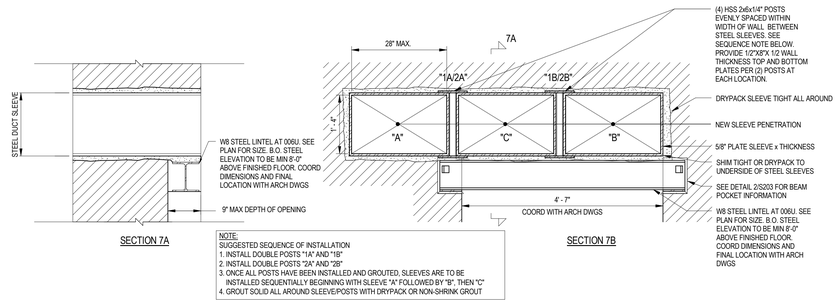
Schematic Design



NOTE:
THIS SLEEVE MAY BE SQUARE, RECTANGULAR OR ROUND

DUCT SLEEVE PENETRATION IN EXISTING WALLS

1" = 1'-0"



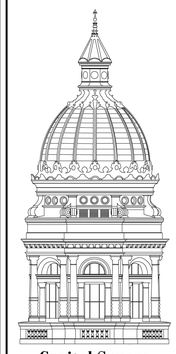
NOTE:
SUGGESTED SEQUENCE OF INSTALLATION
1. INSTALL DOUBLE POSTS "1A" AND "1B"
2. INSTALL DOUBLE POSTS "2A" AND "2B"
3. ONCE ALL POSTS HAVE BEEN INSTALLED AND GROUTED, SLEEVES ARE TO BE INSTALLED SEQUENTIALLY BEGINNING WITH SLEEVE "A" FOLLOWED BY "B", THEN "C"
4. GROUT SOLID ALL AROUND SLEEVE/POSTS WITH DRYPACK OR NON-SHRINK GROUT

DUCT STEEL PENETRATION IN EXISTING WALLS

3/4" = 1'-0"

State of Wyoming

Administration & Information
Construction Management



Capitol Square
Rehabilitation and Restoration

HDR PDP RMH ARCHITECTS

ROBERT SILMAN ASSOCIATES
STRUCTURAL ENGINEERS

PRELIMINARY
NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION
1	2014/12/19	SD OWNER REVIEW

PROJECT NUMBER	203619
ORIGINAL ISSUE	- - -
PKG. IDENTIFIER	2

TYPICAL DETAILS

SCALE: As indicated

2ST501

Schematic Design

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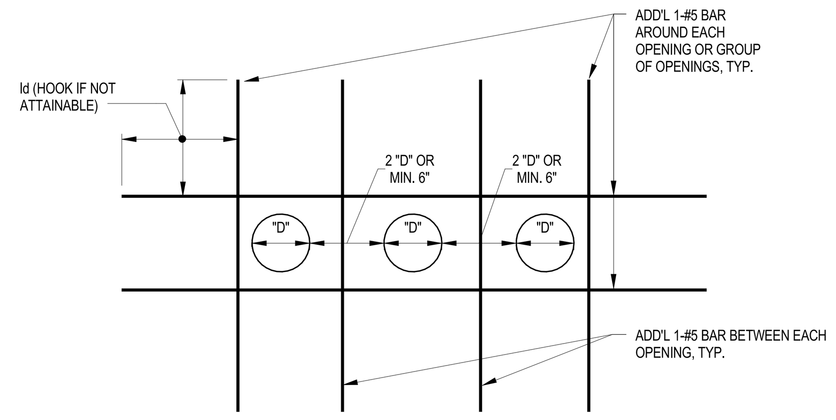
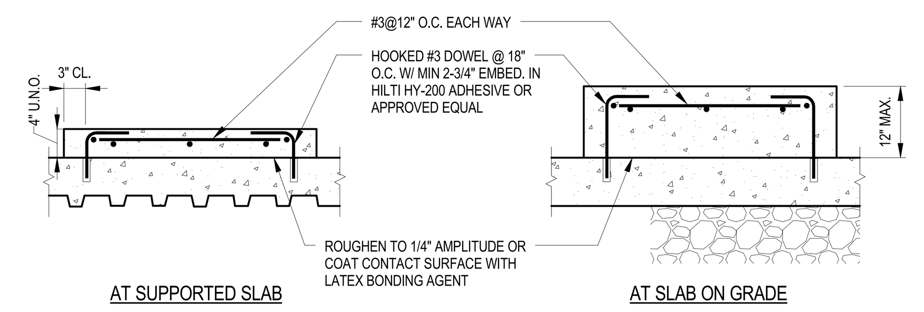


NOTES:

1. LIMIT 3 PENETRATIONS IN A ROW IN ANY DIRECTION.
2. COORDINATE WITH TYPICAL DETAIL FOR FORMED CONCRETE SLAB PIPE SLEEVE.
3. SHOULD PENETRATIONS BE CUT AFTER CONCRETE IS POURED, CONTRACTOR TO SUBMIT PLAN SHOWING ALL PROPOSED CORE DRILLING LOCATIONS TO E.O.R. FOR APPROVAL. CONTRACTOR TO USE NDE METHODS TO LOCATE REBAR PRIOR TO CUTTING SLAB.

TYPICAL SLAB PENETRATION WITH SLEEVE DIAMETER LESS THAN 6"

3/4" = 1'-0"

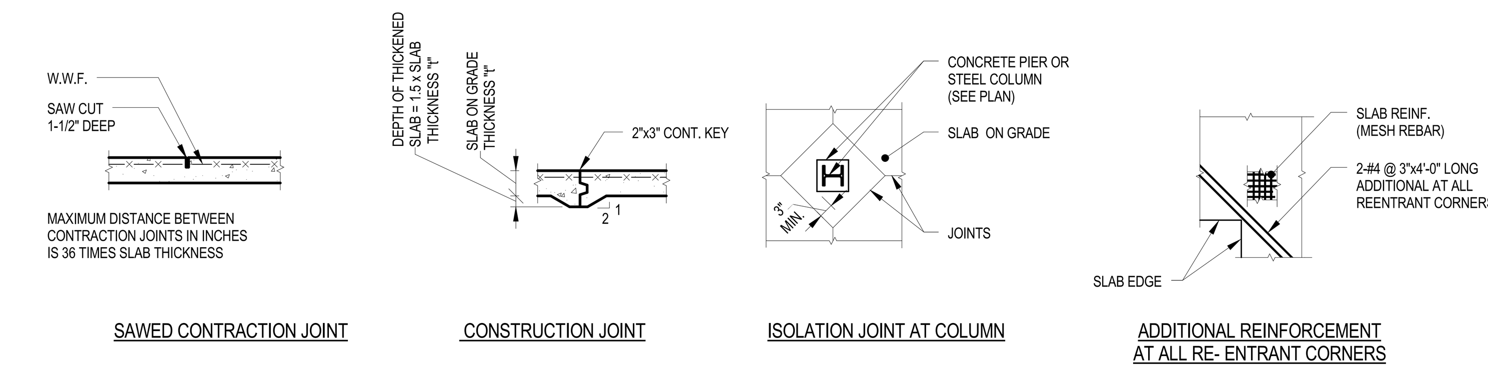


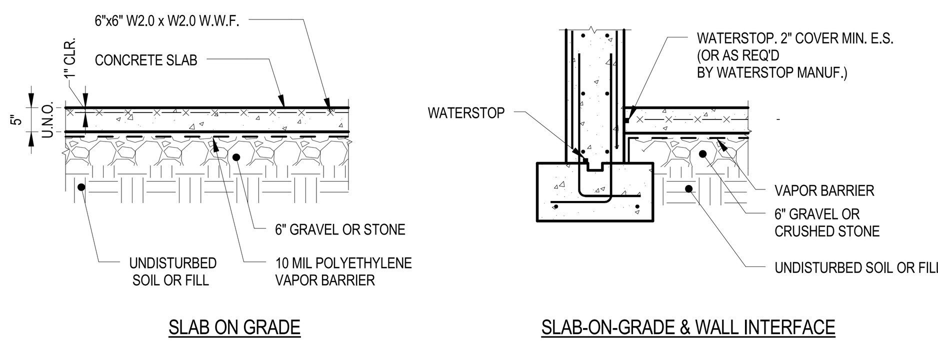
NOTES:

1. FOR SIZE AND LOCATION SEE ARCHITECTURAL AND MECHANICAL DRAWINGS.
2. CONCRETE FOR PADS SHALL BE NORMAL WEIGHT WITH f'c = 4,000 PSI.

TYPICAL EQUIPMENT PAD

3/4" = 1'-0"



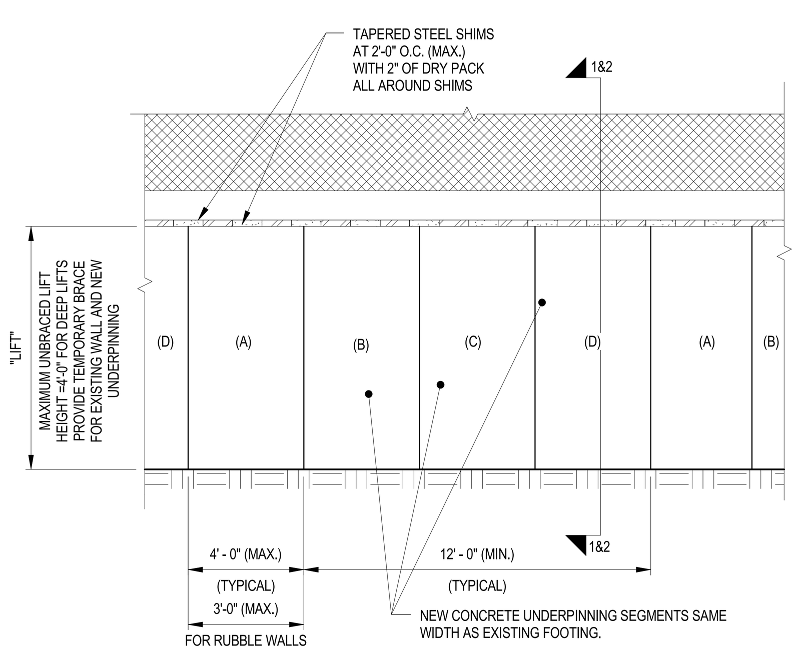


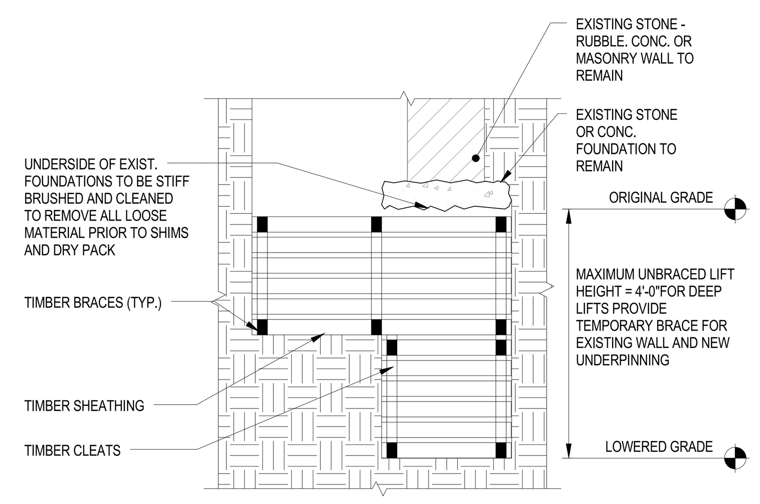
NOTES:

1. SLAB ON GRADE SHALL BE PLACED IN ALTERNATING STRIPS WHERE EACH SINGLE STRIP DOES NO EXCEED 36 TIMES SLAB THICKNESS WIDTH IN INCHES.
2. SAWED CONTRACTION JOINTS SHALL BE LOCATED AT A MAXIMUM SPACING IN INCHES OF 36 TIMES THE SLAB THICKNESS. JOINTS SHALL BE SAWED NO LATER THAN 24 HOURS AFTER CONCRETE IS PLACED.
3. GRAVEL OR CRUSHED STONE BASE SHALL BE COMPACTED TO 95% OF MAXIMUM DENSITY AT OPTIMUM MOISTURE CONTENT.

TYPICAL SLAB ON GRADE

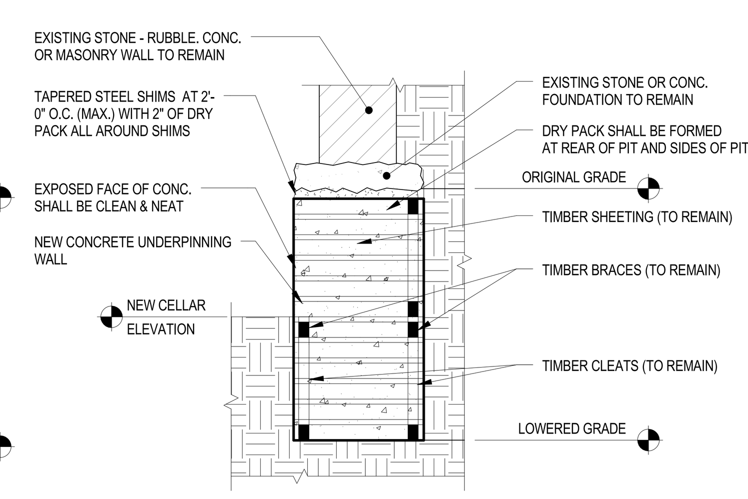
1/2" = 1'-0"





NOTE: ALL SHEETING, CLEATS AND BRACING SHALL BE PRESSURE TREATED LUMBER, SIZED IN ACCORDANCE WITH TABLE 19-1 OF THE NEW YORK CITY BUILDING CODE.

SECTION OF WOOD SHEETING/BRACING - 1



SECTION OF CONCRETE UNDERPINNING - 2

EXISTING WALL UNDERPINNING SEQUENCE:

1. STARTING WITH SEGMENTS (A) ONLY, DIG PITS 4'-0" WIDE, MAXIMUM, SIMULTANEOUSLY PLACING REQUIRED SHEETING AND BRACING. ALL PITS TO BE SHEETED ON ALL FOUR SIDES. PACK VOIDS BETWEEN SHEETING AND SOIL WITH SOIL CEMENT. (LEAVE A MINIMUM OF 12'-0" OF EXISTING SOIL BETWEEN PITS).
2. CLEAN BOTTOM OF EXISTING FOOTING AND RECOMPACT DISTURBED SOIL AT BOTTOM OF PIT WITH MECHANICAL PAN TAMPERS. COMPACT TO 95% OF THE MAXIMUM DENSITY OF THE SOIL. LOSS OF GROUND SHOULD BE KEPT TO A MINIMUM BY BACKFILLING BEHIND THE BOARDS WHERE AND WHEN POSSIBLE WITH GROUT PUMPED INTO THE VOIDS.
3. THE CONTRACTOR SHALL INSTALL ADEQUATE LATERAL-BRACING SYSTEM(S) TO PREVENT MOVEMENT IN THE EXISTING STRUCTURE(S) AND IN THE NEW UNDERPINNING.
4. POUR NEW CONCRETE UNDERPINNING FOR SEGMENTS (A) . AFTER CONCRETE ATTAINS 50% OF THE DESIGN STRENGTH, OR 96 HOURS, PLACE 2"x 4" TAPERED STEEL WEDGES AT 2'-0" O.C. MAX. THEN PACK SOLID WITH DRYPACK INTO SPACE BETWEEN TOP OF UNDERPINNING AND BOTTOM OF EXISTING FOOTING, TO TRANSFER LOAD. ENSURE THE BACK OF VOID IS FORMED SO THAT DRYPACK IS NOT LOST WHEN RAMMED INTO THE GAPS.
5. FOR SEGMENTS B DIG PITS 4'-0", MAXIMUM, WIDE WITH REQUIRED SHEETING & BRACING.
6. FOR SEGMENTS (B) REPEAT CONCRETING, CLEANING, COMPACTION, STEEL WEDGES AND DRYPACKING AS DESCRIBED IN NOTES 2, 3 AND 4.
7. FOR SEGMENTS (C) DIG PITS 4'-0", MAXIMUM, WIDE WITH REQUIRED SHEETING & BRACING.
8. FOR SEGMENTS (C) REPEAT CONCRETING, CLEANING, COMPACTION, STEEL WEDGES AND DRYPACKING AS DESCRIBED IN NOTES 2, 3 AND 4.
9. FOR SEGMENTS (D) , DIG OUT SOIL BETWEEN COMPLETED SEGMENTS C AND A PROVIDE SHEETING AND BRACING AS REQUIRED.
10. FOR SEGMENTS (D) REPEAT CONCRETING, CLEANING, COMPACTION, STEEL WEDGES AND DRYPACKING AS DESCRIBED IN NOTES 2, 3 AND 4.
11. WHERE BOTTOM OF ADJACENT UNDERPINNING PITS ARE AT DIFFERENT ELEVATIONS, THE DEEPER PIT SHALL BE INSTALLED FIRST.
12. UNDERPINNING PITS CLOSER THAN 12' APART SHALL NOT BE EXCAVATED AT THE SAME TIME.

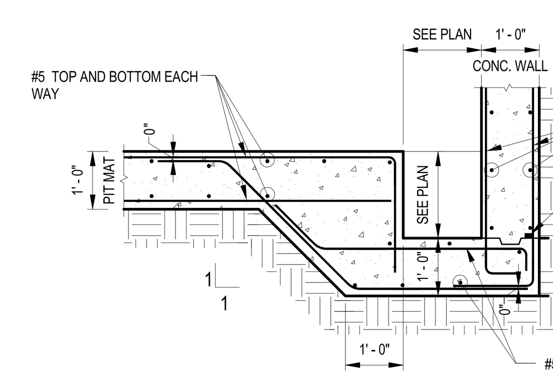
IMPORTANT NOTE TO ENGINEER:
Must check existing PSF underexisting foundation prior to recommending using THIS GENERIC DETAIL to verify with allowable soil capacity.

UNDERPINNING NOTES:

1. REFER TO THE PROJECT SPECIFICATIONS FOR ADDITIONAL UNDERPINNING REQUIREMENTS IF APPLICABLE.
2. THE UNDERPINNING DETAILS SHOWN HEREWITH ARE A GENERAL GUIDELINE FOR THE CONTRACTOR. THE CONTRACTOR SHALL RETAIN A LICENSED PROFESSIONAL ENGINEER TO DESIGN AND DETAIL THE REQUIRED UNDERPINNING, SHEETING AND SHORING SPECIFIC TO THE EXISTING FIELD CONDITIONS. THE CONTRACTOR IS RESPONSIBLE TO SUBMIT SIGNED AND SEALED DRAWINGS AND CALCULATIONS TO THE ENGINEER OF RECORD FOR REVIEW. THE DRAWINGS SHALL INCORPORATE ALL FIELD DATA, DIMENSIONS, MATERIALS, CONSTRUCTION SEQUENCING AND MEANS AND METHODS TO BE USED SPECIFIC TO THE EXISTING CONDITIONS.
3. THE CONTRACTOR SHALL COMPLY WITH THE ALL RELEVANT PROVISIONS OF THE XXX BUILDING CODE.
4. ALL FOUNDATIONS AND EARTHWORK OPERATIONS SHALL BE PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS OF THE XXX BUILDING CODE AND ALL LOTS, BUILDINGS AND SERVICE FACILITIES ADJOINING THE FOUNDATION AND EARTHWORK AREAS SHALL BE PROTECTED AND SUPPORTED.
5. ALL TEST PITS, BORINGS AND UNDERPINNING OPERATIONS ARE SUBJECT TO CONTROLLED INSPECTION.
6. THE OWNER SHALL RETAIN A LICENSED SURVEYOR TO SURVEY ALL LOAD BEARING WALLS, PIERS AND COLUMNS TO BE UNDERPINNED. THE SURVEYOR SHALL CHECK THE DATUM OF SUCH STRUCTURAL ELEMENTS AS FREQUENTLY AS REQUIRED BY UNDERPINNING ACTIVITIES, BUT NO LESS THAN ONCE A WEEK FOR THE DURATION OF THE WORK. LANDMARKED BUILDINGS SHALL BE CHECKED EVERY FIVE WORKING DAYS.
7. THE CONTRACTOR AND/OR SUB-CONTRACTOR(S) SHALL HAVE COMPLETED NO LESS THAN FIVE (5) UNDERPINNING PROJECTS OF A COMPARABLE SIZE AND TYPE TO THIS PROJECT, AND MUST HAVE AT LEAST FIVE (5) YEARS EXPERIENCE IN THE WORK AND/OR APPLICABLE TRADE. SUBMIT EVIDENCE OF SUCH EXPERIENCE FOR REVIEW.
8. THERE SHALL BE A PRE-CONSTRUCTION MEETING WITH THE OWNER, ARCHITECT, ENGINEER OF RECORD, GENERAL CONTRACTOR AND SUB-CONTRACTOR(S) PRIOR TO WORK COMMENCING.
9. ALL ADJACENT PROPERTIES, INCLUDING BUT NOT LIMITED TO EXTERIOR WALLS AND FOOTINGS ARE TO BE OBSERVED BY THE ENGINEER OF RECORD PRIOR TO WORK COMMENCING.
10. THE CONTRACTOR SHALL REQUEST PERMISSION TO ENTER BUILDINGS DIRECTLY ADJACENT TO THE AREAS OF PROPOSED UNDERPINNING.
11. NO FOUNDATION OR EARTHWORK PERMIT SHALL BE ISSUED UNTIL AT LEAST FIVE DAYS AFTER A WRITTEN NOTICE OF THE PERMIT APPLICATION HAS BEEN PROVIDED BY THE APPLICANT TO THE OWNERS OF ALL ADJOINING LOTS, BUILDINGS AND SERVICE FACILITIES, WHOM MAY BE AFFECTED BY THE PROPOSED FOUNDATION WORK OR EARTHWORK OPERATIONS.
12. THE UNDERPINNING FOUNDATIONS SHALL BEAR ON SUBGRADE HAVING A BEARING CAPACITY EQUAL TO OR GREATER THAN THE SUBGRADE OF THE EXISTING FOUNDATION. THE SUBGRADE AT THE LEVEL OF THE EXISTING FOUNDATION SHALL BE INSPECTED BY A LICENSED PROFESSIONAL ENGINEER RETAINED BY THE OWNER TO VERIFY THE BEARING CAPACITY, AND DEFICIENCIES BROUGHT TO THE ATTENTION OF THE ENGINEER OF RECORD.
13. DO NOT TRANSFER THE BUILDING LOAD ONTO NEW UNDERPINNING WALLS UNTIL ALL WALLS HAVE ATTAINED 50% OF THE CONCRETE DESIGN STRENGTH, AS CONFIRMED BY THE CYLINDER TESTS, OR 96 HOURS.
14. DO NOT PLACE BACKFILL AGAINST NEW UNDERPINNING WALLS UNTIL WALLS HAVE ATTAINED 50% OF THE CONCRETE DESIGN STRENGTH, AS CONFIRMED BY THE CYLINDER TESTS, OR 96 HOURS.
15. ALL CONCRETE SHALL BE NORMAL WEIGHT CONCRETE WITH A MINIMUM ULTIMATE COMPRESSIVE STRENGTH OF 4,000 PSI AT 28 DAYS.
16. ALL GROUT SHALL BE NONSHRINK WITH A MINIMUM COMPRESSIVE STRENGTH OF 5,000 PSI.
17. ALL DRYPACK SHALL BE A MIXTURE OF 1 PART CEMENT AND 2 PARTS DAMP SAND, WITH 0" SLUMP.
18. ALL UNDERPINNING SHEETING AND BRACING TO REMAIN SHALL BE PRESSURE TREATED LUMBER AND/OR OTHER APPROVED MATERIAL.
19. THE EXTENT OF THE UNDERPINNING SHALL BE DETERMINED UPON REVIEW OF THE SOILS REPORT, TEST PIT DATA AND EXISTING CONDITIONS BY A LICENSED PROFESSIONAL ENGINEER RETAINED AS REVIEWED AND REPORTED UPON TO THE ARCHITECT.
20. EXCAVATION BELOW THE WATER TABLE SHOULD BE AVOIDED, IF POSSIBLE. DEWATER THE SITE PRIOR TO EXCAVATION. EXCAVATION MAY ONLY PROCEED AFTER REVIEW BY THE ENGINEER OF RECORD.
21. IF WATER IS ENCOUNTERED IN THE PIT, PROVIDE A WELL POINT NEAR THE PIT. THE CONTRACTOR'S LICENSED PROFESSIONAL ENGINEER SHALL DETERMINE WATER FROM THE PIT.
22. ALL SIDES OR SLOPES OF EXCAVATIONS OR EMBANKMENTS SHALL BE INSPECTED AFTER RAINSTORMS.
23. EXCAVATED MATERIAL AND SUPERIMPOSED LOADS SUCH AS EQUIPMENT AND TRUCKS SHALL NOT BE PLACED CLOSER TO THE EDGE OF THE EXCAVATION THAN A DISTANCE EQUAL TO ONE AND ONE-HALF TIMES THE DEPTH OF SUCH EXCAVATION.
24. THE UNDERPINNING SHALL BE INSTALLED IN A MANNER SUCH THAT THE EXPOSED FACE OF THE CONCRETE IS VERTICAL (OR AS OTHERWISE SPECIFIED), CLEAN AND NEAT.
25. EXISTING STONE/RUBBLE WALLS TO BE UNDERPINNED SHALL BE TREATED BY PRESSURE INJECTED GROUT AT THE DIRECTION OF THE ENGINEER OF RECORD.
26. THE DEPTH OF THE UNDERPINNING PITS SHALL BE A MAXIMUM OF ONE LIFT. THE LIFT SHALL BE WITHOUT INTERMEDIATE HORIZONTAL CONSTRUCTION JOINTS (COLD JOINTS). MULTIPLE (VERTICAL) LEVELS OF UNDERPINNING SHALL NOT BE PERMITTED.

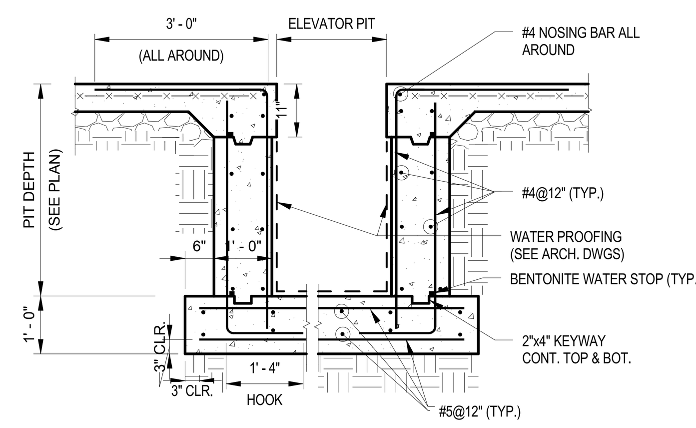
TYPICAL UNDERPINNING

1/4" = 1'-0"



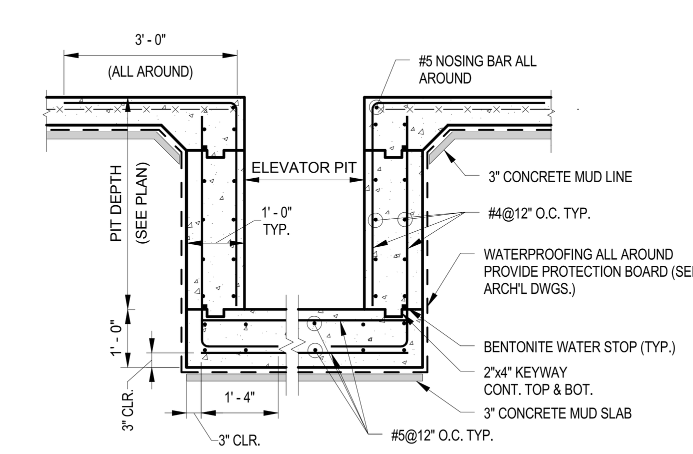
TYPICAL ELEVATOR SUMP PIT

1/2" = 1'-0"



TYPICAL ELEVATOR PIT

1/2" = 1'-0"



TYPICAL ELEVATOR PIT @ 1/2" SCALE

1/2" = 1'-0"

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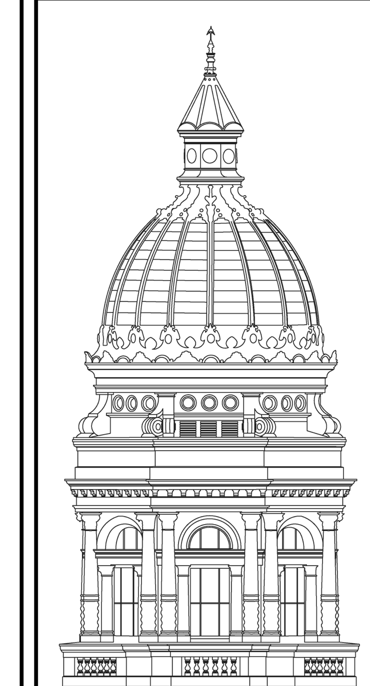

Capitol Square
Rehabilitation and Restoration

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1	2014/12/19	SD OWNER REVIEW

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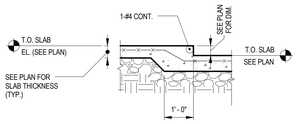
PKG. IDENTIFIER	2

TYPICAL DETAILS

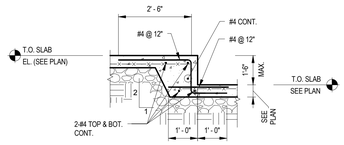
SCALE: As indicated

2ST502

Schematic Design



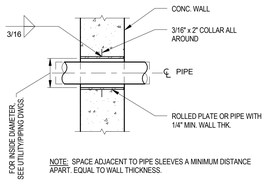
STEP LESS THAN OR EQUAL TO SLAB THICKNESS



STEP GREATER THAN SLAB THICKNESS

TYPICAL STEP ON SLAB ON GRADE

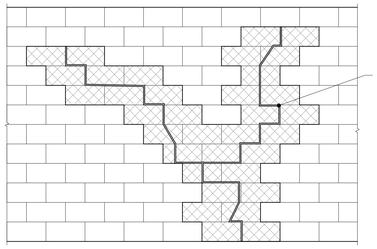
1/2" = 1'-0"



NOTE: SPACE ADJACENT TO PIPE SLEEVES A MINIMUM DISTANCE APART. EQUAL TO WALL THICKNESS.

TYPICAL PIPE SLEEVE IN CONCRETE WALL

3/4" = 1'-0"

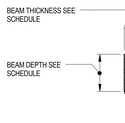


NOTES:

1. DENOTES BRICK TO BE REPLACED. WHERE CRACK IS THRU WALL REPLACE ALL WYTHES OF BRICK ON EACH SIDE OF CRACK TO 1ST MORTAR JOINT. REPLACE EXISTING HEADERS WITH NEW HEADERS. REPLACE LOOSE AND CRACKED BRICKS. WHERE CRACK IS ONLY IN OUTER WYTHE, REPLACE ONLY OUTER WYTHE. WHERE CRACK IS OPEN AND 1/4" OR LESS AND IS PRESENT ONLY IN OUTER WYTHE AND ONLY IN JOINTS, RAKE AND REPOINT JOINTS ONLY.

TYPICAL CRACK REPAIR IN BRICK MASONRY

1/2" = 1'-0"



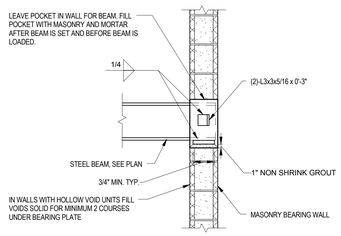
CMU BOND BEAM SCHEDULE				
LENGTH	BEAM THICKNESS	BEAM DEPTH	HORIZONTAL REINF.	SHEAR REINF.
0'-0" - 4'-0"	6"	8" (1 COURSE HIGH)	1-#5	

NOTES:

1. ALL BOND BEAM BEAMS TO BE GROUTED SOLID FOR FULL LENGTH OF BEAM.
2. ALL CMU BOND BEAM TO HAVE MIN. 6" BEARING ON EACH END.
3. ALL BOND BEAMS (SPANNING) WITH NO MASONRY ABOVE TO BE SINGLE COURSE WITH 1-#5 HORIZONTAL REINFORCING.
4. ALL OTHER (NON-SPANNING) BOND BEAMS TO BE SINGLE COURSE WITH 2-#4 HORIZONTAL REINFORCING.
5. VERTICAL PLACEMENT OF HORIZONTAL REINFORCEMENT IN ALL BOND BEAMS SHALL BE 3" FROM THE BOTTOM OF THE BEAM TO CENTER OF BAR, U.O.N. LINTEL REINFORCEMENT SHALL BE SUPPORTED BY WIRE CHAIRS.
6. HORIZONTAL PLACEMENT BETWEEN PARALLEL BARS SHALL NOT BE LESS THAN THE NOMINAL DIAMETER OF THE BARS OR 1".

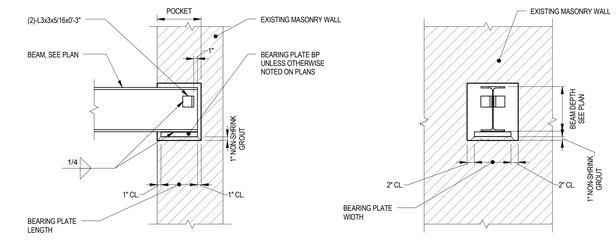
TYPICAL CMU LINTEL BOND BEAM SCHEDULE

1" = 1'-0"



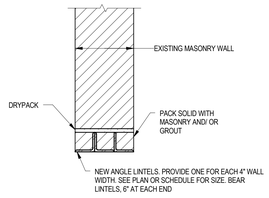
TYPICAL BEAM BEARING ON NEW MASONRY WALL

3/4" = 1'-0"



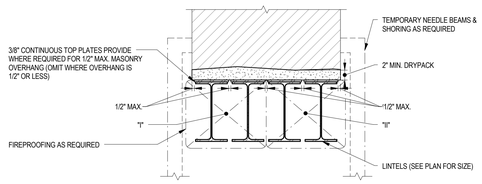
TYPICAL BEAM BEARING ON EXISTING WALL

3/4" = 1'-0"



TYPICAL ANGLE LINTEL IN EXISTING WALL

1" = 1'-0"

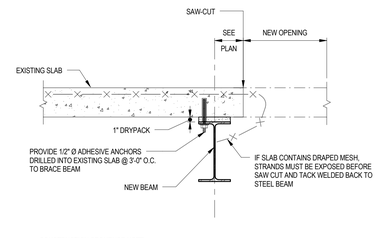


SEQUENCE OF CONSTRUCTION:

1. PROVIDE NEEDLING AND SHORING AS REQUIRED FOR EXISTING WALL ABOVE.
2. INSTALL BEARING PLATE AT EACH END FOR LINTEL BEAM BEARING ON EXISTING WALL.
3. CHASE OUT EXISTING MASONRY AT "I" AND INSTALL NEW LINTEL BEAM(S) "I".
4. PROVIDE CONTINUOUS DRYPACK ABOVE LINTEL.
5. AFTER DRYPACK AT "I" HAS SET REPEAT STEPS 2 THRU 4 FOR LINTEL BEAM(S) "II".
6. INSTALL BOLT AND PIPE SEPARATORS AT LINTEL SPAN 1/3 POINTS AND AT EACH END.
7. REMOVE WALL BELOW LINTEL AT NEW OPENING.

TYPICAL WF LINTEL IN INTERIOR WALL

1" = 1'-0"

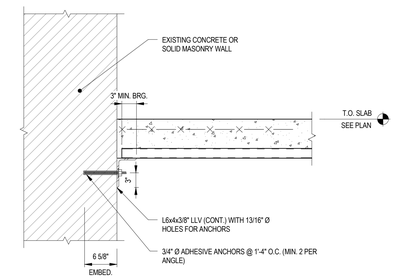


CONSTRUCTION SEQUENCE NOTE:

1. ERECT BEAM AND DRYPACK. DRYPACK SHALL BE (1) PART CEMENT + (2) PART SAND AND HAVE ZERO SLUMP.
2. AFTER DRYPACKING HAS CURED, SAW-CUT PERIPHERY OF OPENING AND REMOVE CONCRETE WITHIN SO AS NOT TO DAMAGE REMAINING FINISHES AND STRUCTURE

TYPICAL BEAM DRYPACKED BELOW EXISTING SLAB AT NEW OPENING

1" = 1'-0"



TYPICAL SHELF ANGLE AT EXISTING LOAD BEARING WALL FOR COMPOSITE FLOOR DECK SUPPORT

1" = 1'-0"

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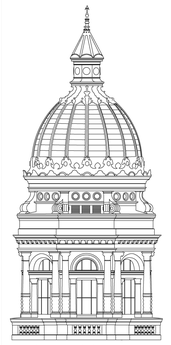

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TYPICAL DETAILS

SCALE: As indicated

2ST503

Schematic Design

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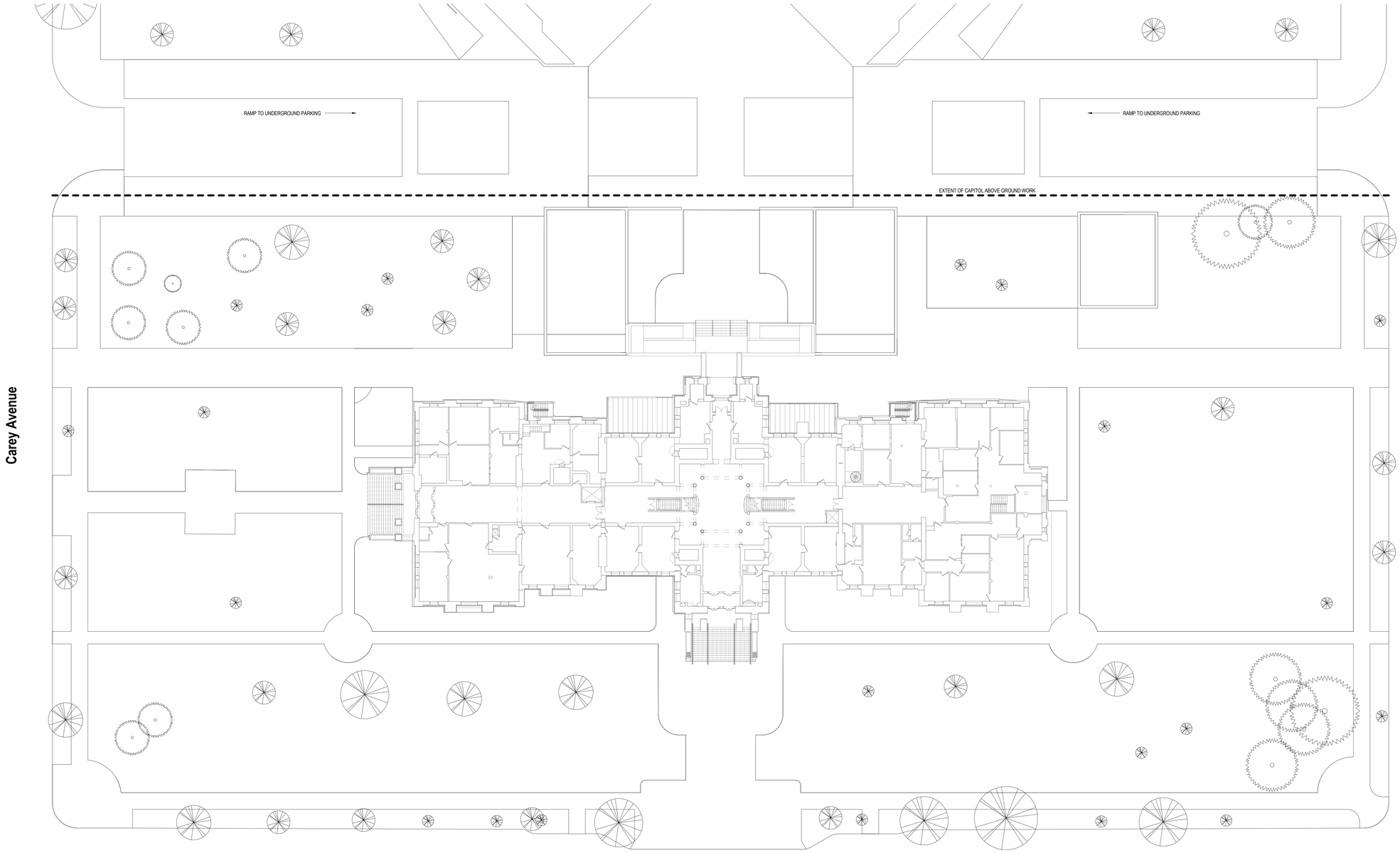


6B AS FOUND SITE PLAN
1" = 20'-0"

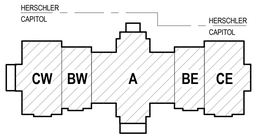
15'-0" 5'-0"
20'-0" 10'-0" 0 20'-0" 40'-0" 80'-0"

GENERAL NOTES

CONSTRUCTION NOTES

GRAPHIC LEGEND

KEY PLAN



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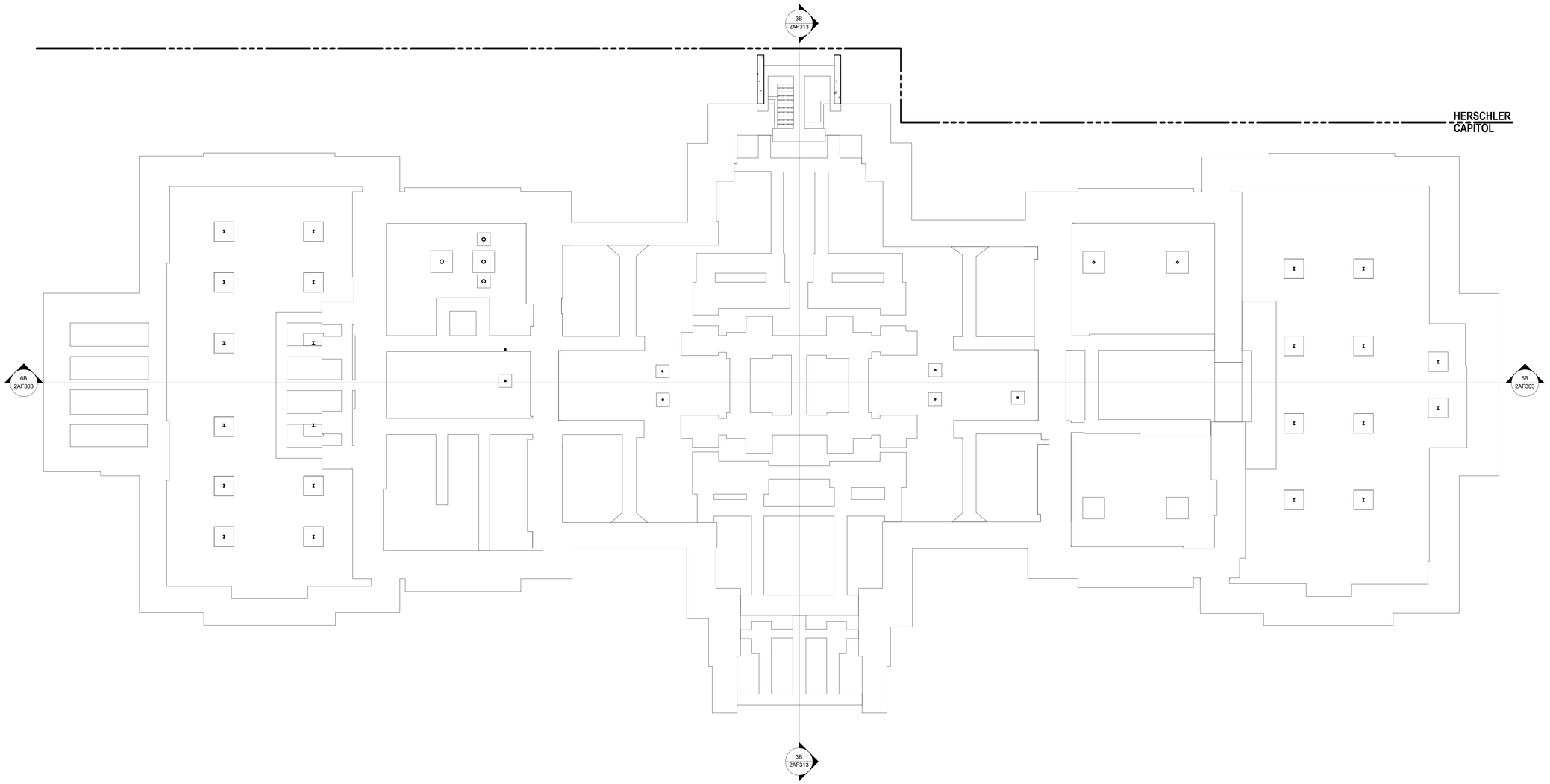
AS FOUND SITE PLAN

SCALE 1" = 20'-0"

2AF050

Schematic Design



6B AS FOUND FOUNDATION PLAN
1" = 10'-0"

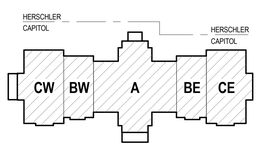
7'-6" 2'-6"
10'-0" 5'-0" 0 10'-0" 20'-0" 40'-0"

GENERAL NOTES

CONSTRUCTION NOTES

GRAPHIC LEGEND

KEY PLAN



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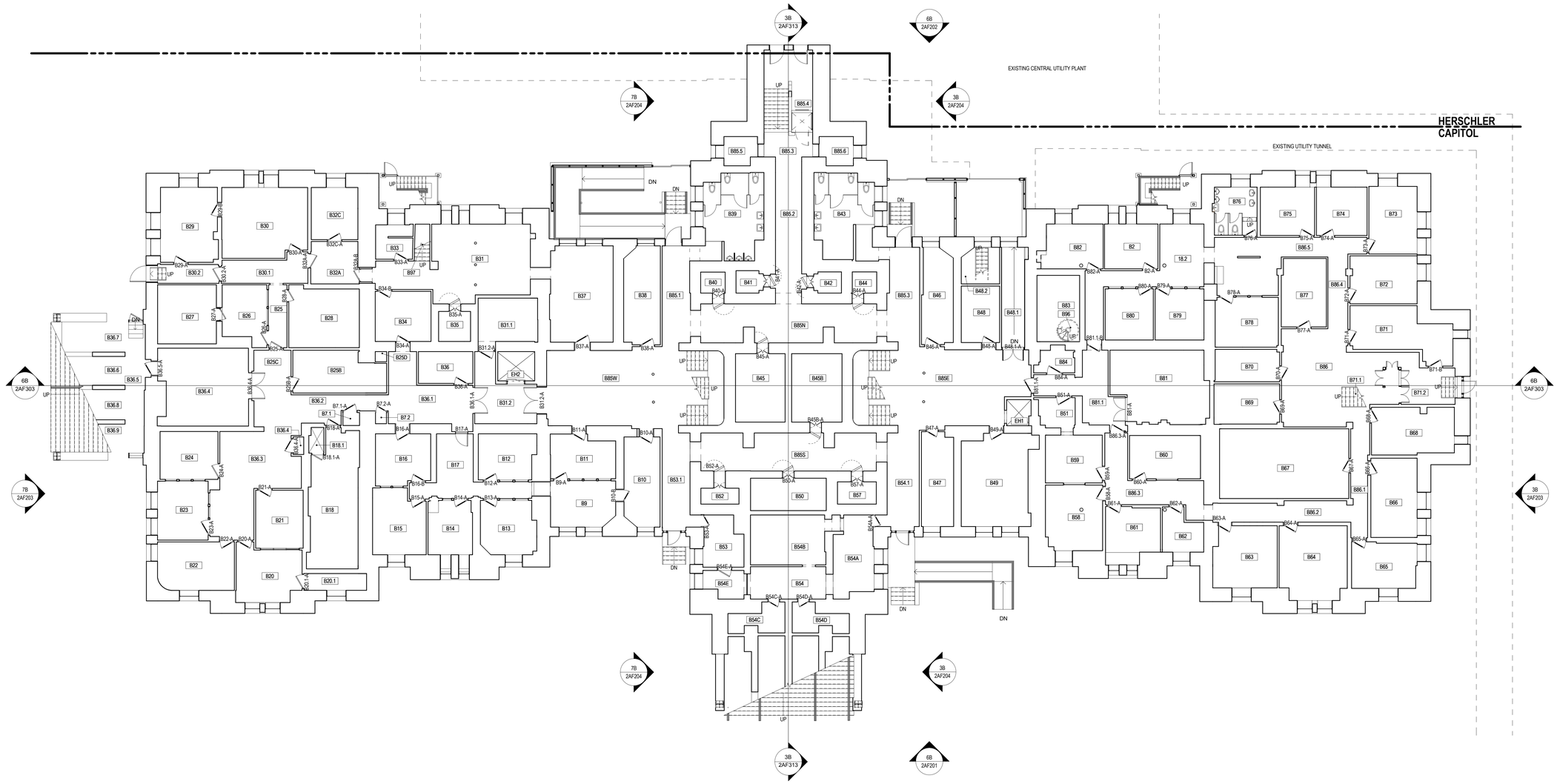
AS FOUND FOUNDATION PLAN

SCALE 1" = 10'-0"

2AF090

Schematic Design



6B AS FOUND GARDEN LEVEL

1" = 10'-0"

7'-6" 2'-6"

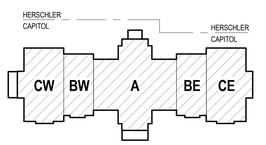
10'-0" 5'-0" 0 10'-0" 20'-0" 40'-0"

GENERAL NOTES

CONSTRUCTION NOTES

GRAPHIC LEGEND

KEY PLAN



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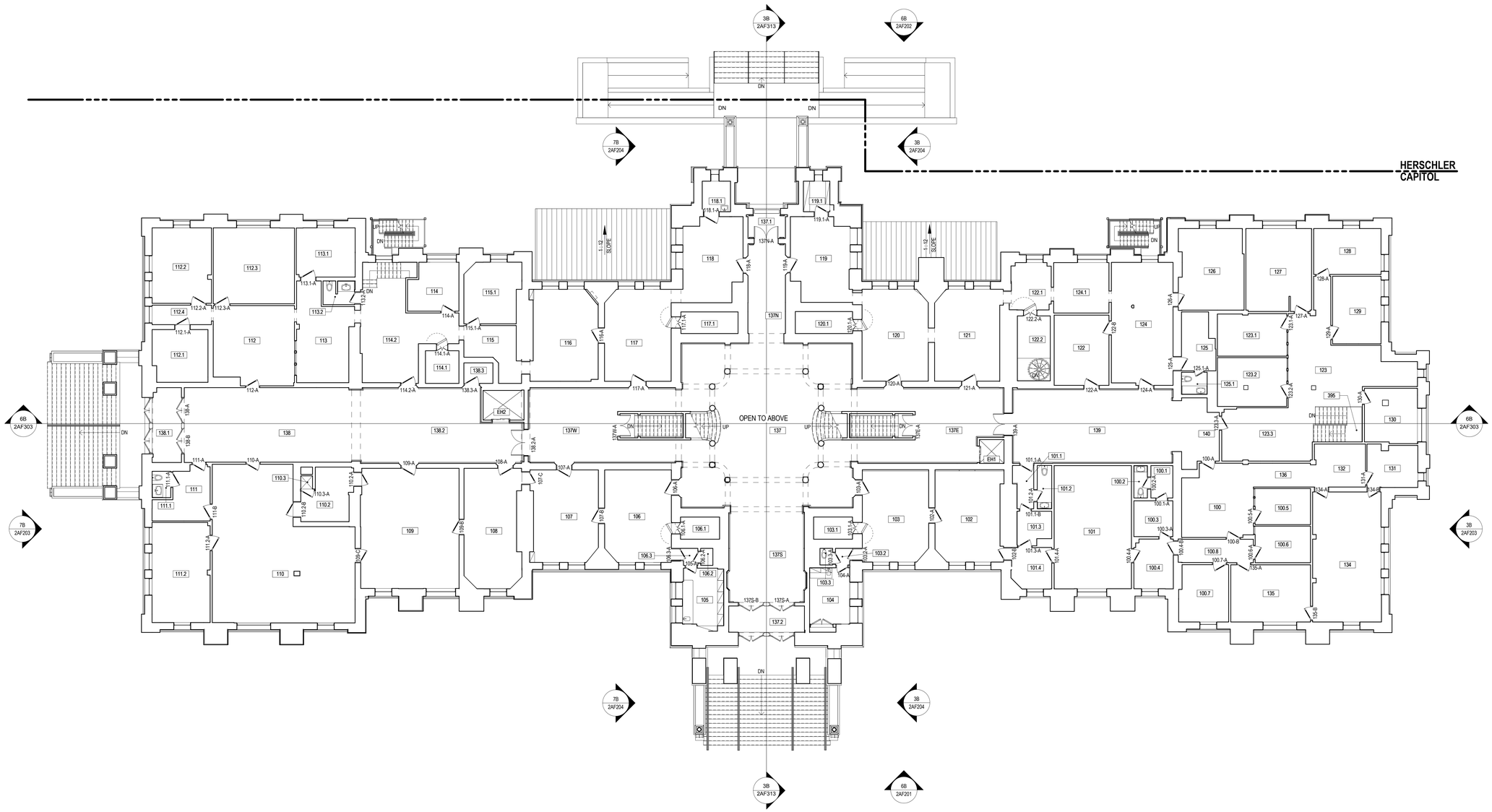
AS FOUND GARDEN LEVEL PLAN

SCALE 1" = 10'-0"

2AF100

Schematic Design



6B AS FOUND FIRST FLOOR
1" = 10'-0"

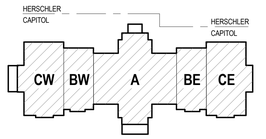
7'-6" 2'-6"
10'-0" 5'-0" 0 10'-0" 20'-0" 40'-0"

GENERAL NOTES

CONSTRUCTION NOTES

GRAPHIC LEGEND

KEY PLAN



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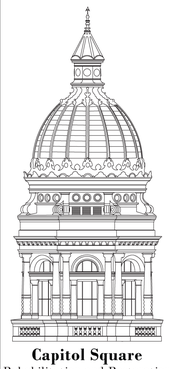
Construction Management



Capitol Square
Rehabilitation and Restoration

HDR PDP RNL

PRELIMINARY
NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION
1	2014/12/19	SD OWNER REVIEW

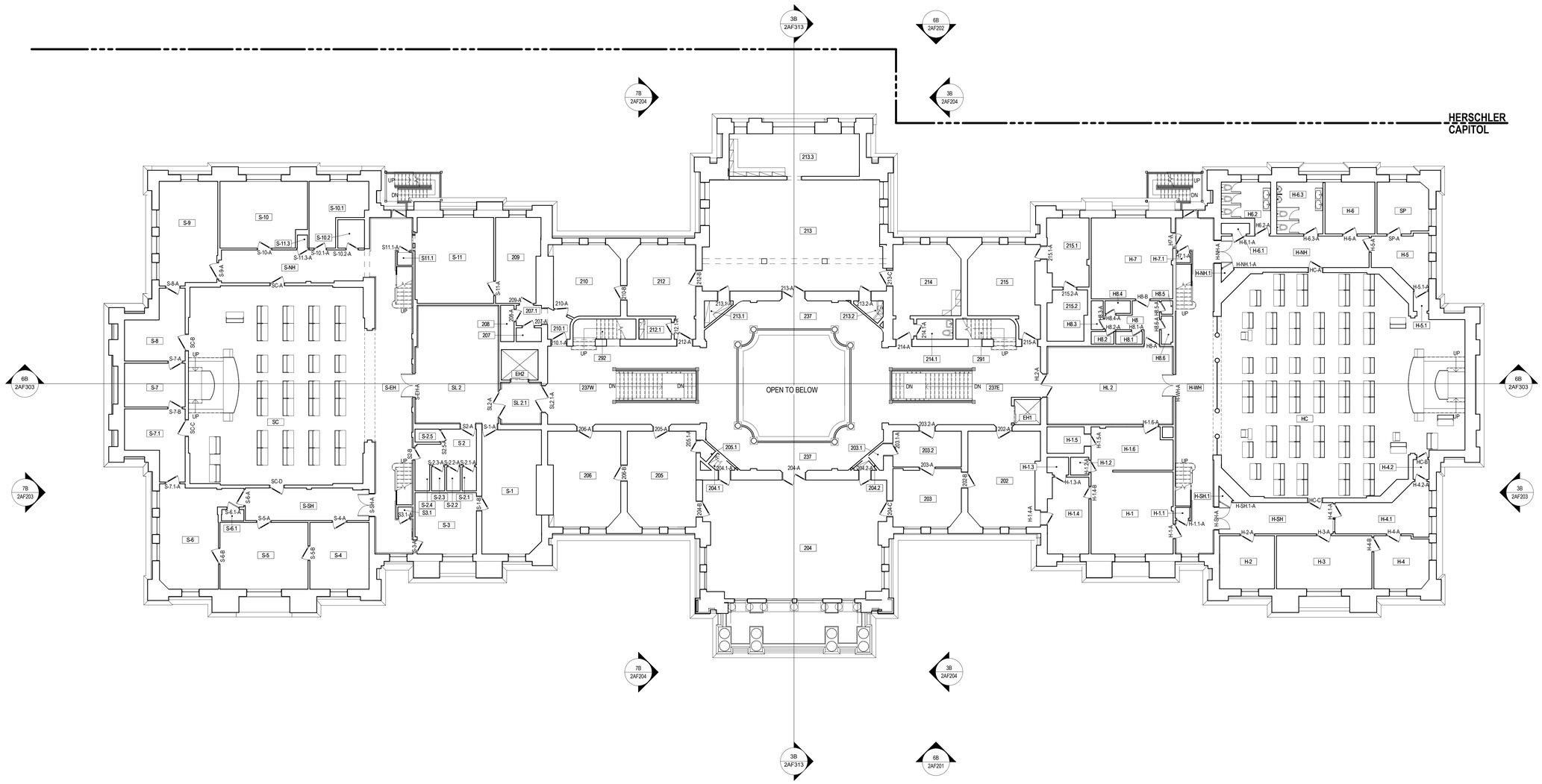
PROJECT NUMBER	203619
ORIGINAL ISSUE	- -
PKG. IDENTIFIER	2

AS FOUND FIRST FLOOR PLAN

SCALE 1" = 10'-0"

2AF101

Schematic Design



6B AS FOUND SECOND FLOOR
1" = 10'-0"

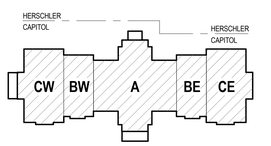
7'-6" 2'-6"
10'-0" 5'-0" 0 10'-0" 20'-0" 40'-0"

GENERAL NOTES

CONSTRUCTION NOTES

GRAPHIC LEGEND

KEY PLAN



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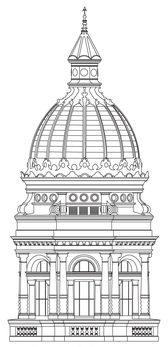
State of Wyoming

Administration & Information
Construction Management



Capitol Square
Rehabilitation and Restoration

HDR PDP RNL

PRELIMINARY
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1	2014/12/19	SD OWNER REVIEW

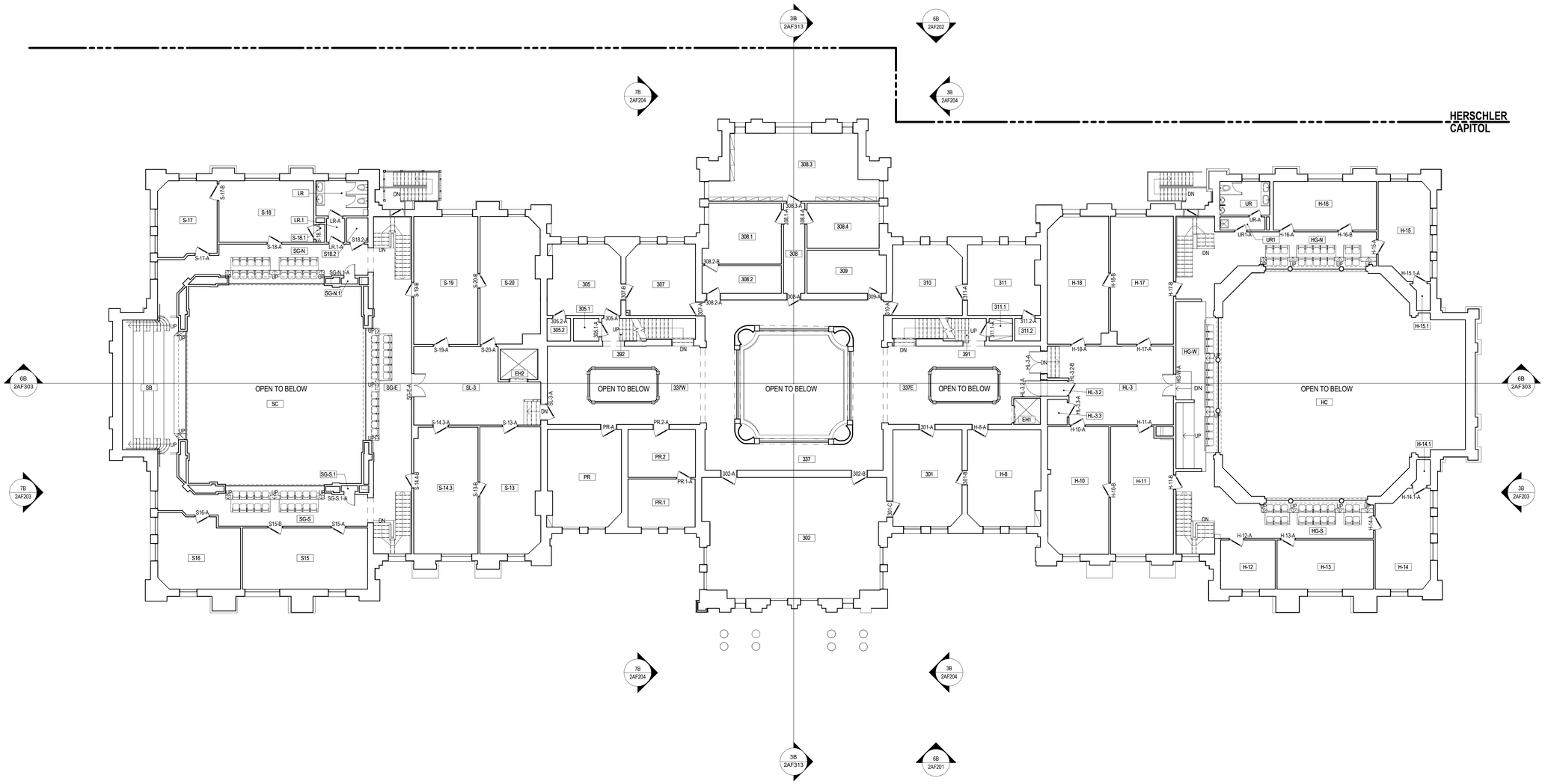
PROJECT NUMBER	203619
ORIGINAL ISSUE	- - -
PKG. IDENTIFIER	2

AS FOUND SECOND FLOOR PLAN

SCALE 1" = 10'-0"

2AF102

Schematic Design



6B AS FOUND THIRD FLOOR
1" = 10'-0"

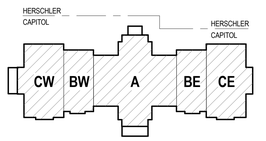
12'-0" 4'-0"
16'-0" 8'-0" 0 16'-0" 32'-0" 64'-0"

GENERAL NOTES

CONSTRUCTION NOTES

GRAPHIC LEGEND

KEY PLAN



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Construction Management

Capitol Square
Rehabilitation and Restoration

HDR PDP RNL

PRELIMINARY
NOT FOR CONSTRUCTION

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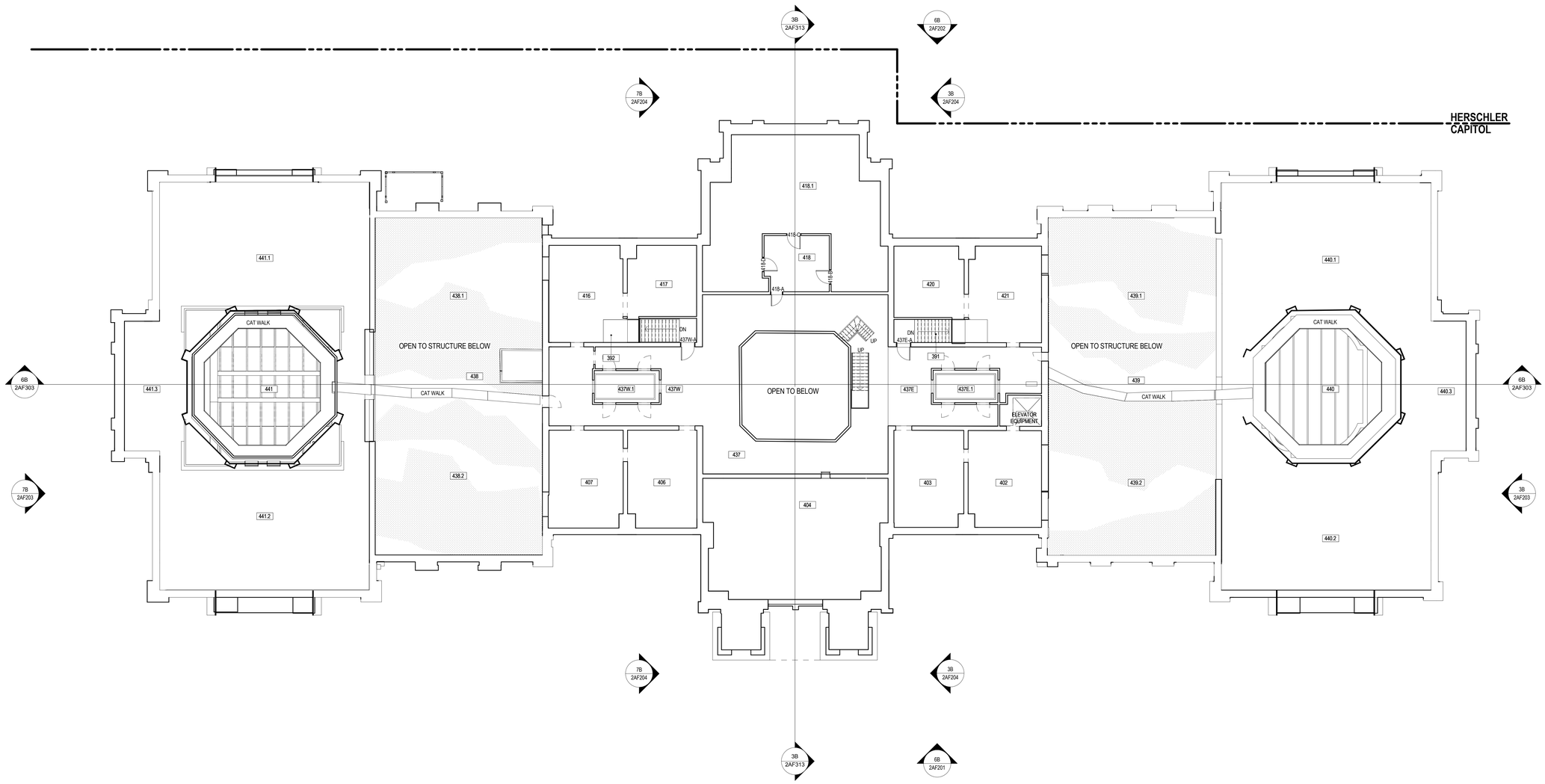
PKG. IDENTIFIER	2

AS FOUND THIRD FLOOR PLAN

SCALE 1" = 10'-0"

2AF103

Schematic Design



6B AS FOUND ATTIC 1 PLAN

1" = 10'-0"

7'-6" 2'-6"

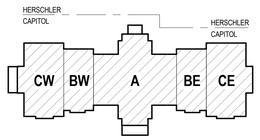
10'-0" 5'-0" 0 10'-0" 20'-0" 40'-0"

GENERAL NOTES

CONSTRUCTION NOTES

GRAPHIC LEGEND

KEY PLAN



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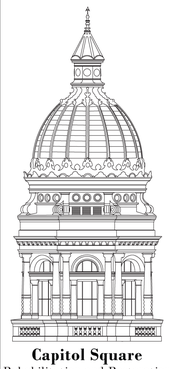
Construction Management



Capitol Square
Rehabilitation and Restoration

HDR PDP RNL

PRELIMINARY
NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION
1	2014/12/19	SD OWNER REVIEW

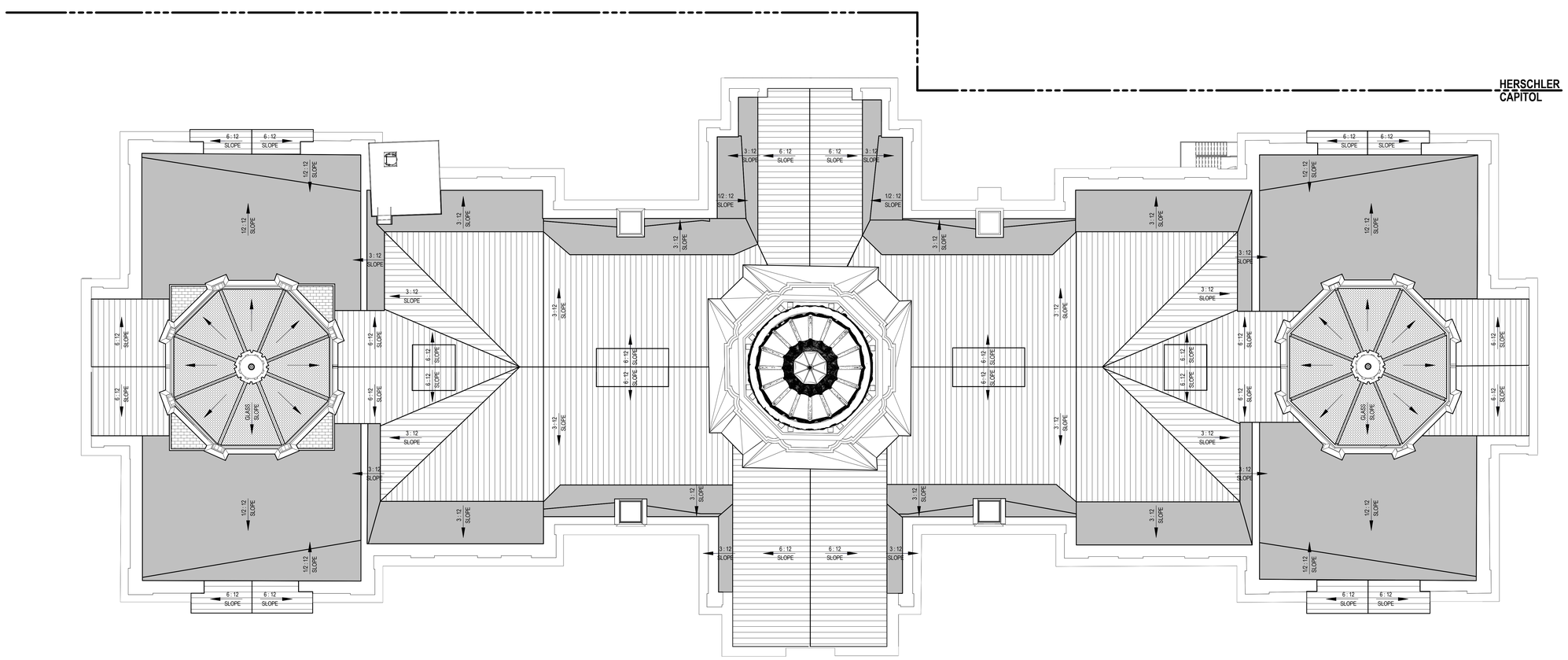
PROJECT NUMBER	203619
ORIGINAL ISSUE	- -
PKG. IDENTIFIER	2

AS FOUND ATTIC 1 PLAN

SCALE 1" = 10'-0"

2AF104

Schematic Design



6B AS FOUND ROOF PLAN
1" = 10'-0"

7'-6" 2'-6"
10'-0" 5'-0" 0 10'-0" 20'-0" 40'-0"

GENERAL NOTES

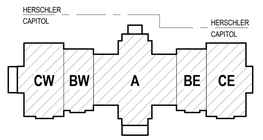
CONSTRUCTION NOTES

GRAPHIC LEGEND

AS FOUND ROOF LEGEND

- STANDING SEAM METAL ROOFING - NORTH/SOUTH ORIENTATION
- STANDING SEAM METAL ROOFING - WEST/EAST ORIENTATION
- LOW-SLOPE MEMBRANE ROOFING
- LOW-SLOPE LAPPED-SHEET METAL ROOFING
- SKYLIGHT

KEY PLAN



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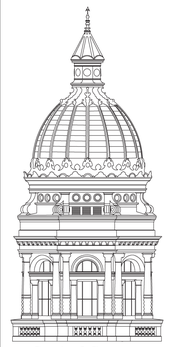
Construction Management



Capitol Square
Rehabilitation and Restoration

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PRELIMINARY
NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION
1	2014/12/19	SD OWNER REVIEW

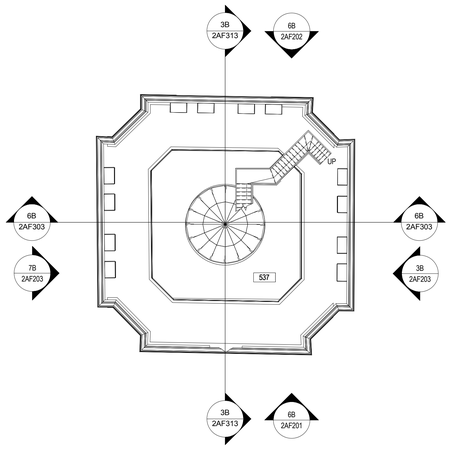
PROJECT NUMBER 203619
ORIGINAL ISSUE - - -
PKG. IDENTIFIER 2

AS FOUND ROOF PLAN

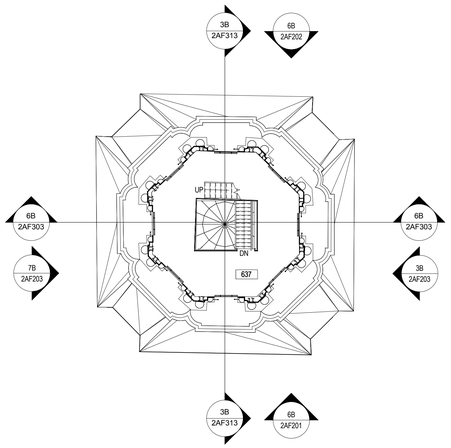
SCALE 1" = 10'-0"

2AF105

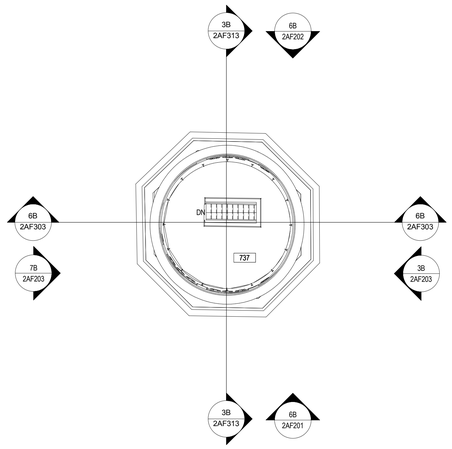
Schematic Design



6B AS FOUND ATTIC 2 PLAN
1" = 10'-0"



5B AS FOUND DOME 1 PLAN
1" = 10'-0"



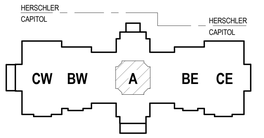
3B AS FOUND DOME 2 PLAN
1" = 10'-0"

GENERAL NOTES

CONSTRUCTION NOTES

GRAPHIC LEGEND

KEY PLAN



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State of Wyoming

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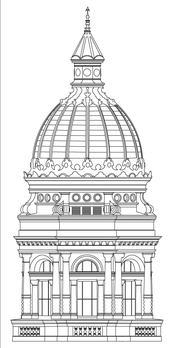
Construction Management



Capitol Square
Rehabilitation and Restoration

HDR PDP RLAN ARCHITECTS

PRELIMINARY
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MARK	DATE	DESCRIPTION
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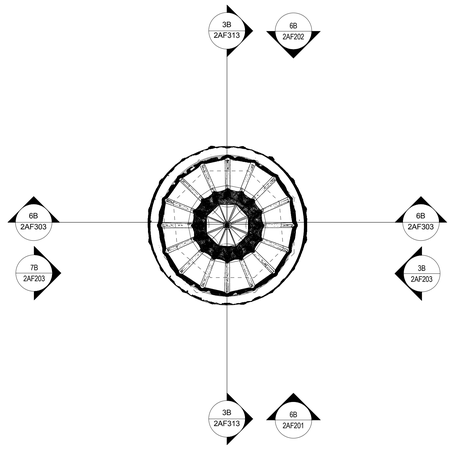
PKG. IDENTIFIER	2

AS FOUND ATTIC 2, DOME 1 AND 2 PLAN

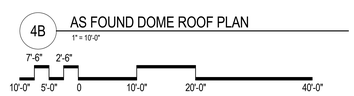
SCALE 1" = 10'-0"

2AF106

Schematic Design



4B AS FOUND DOME ROOF PLAN
1" = 10'-0"

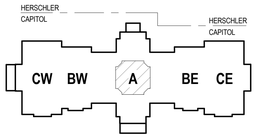


GENERAL NOTES

CONSTRUCTION NOTES

GRAPHIC LEGEND

KEY PLAN



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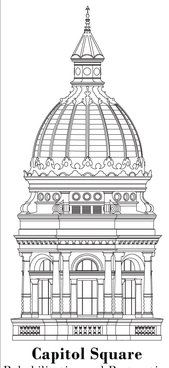

Capitol Square
Rehabilitation and Restoration

HDR PDP PLAN ARCHITECT

PRELIMINARY
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MARK	DATE	DESCRIPTION
1	2014/12/19	SD OWNER REVIEW

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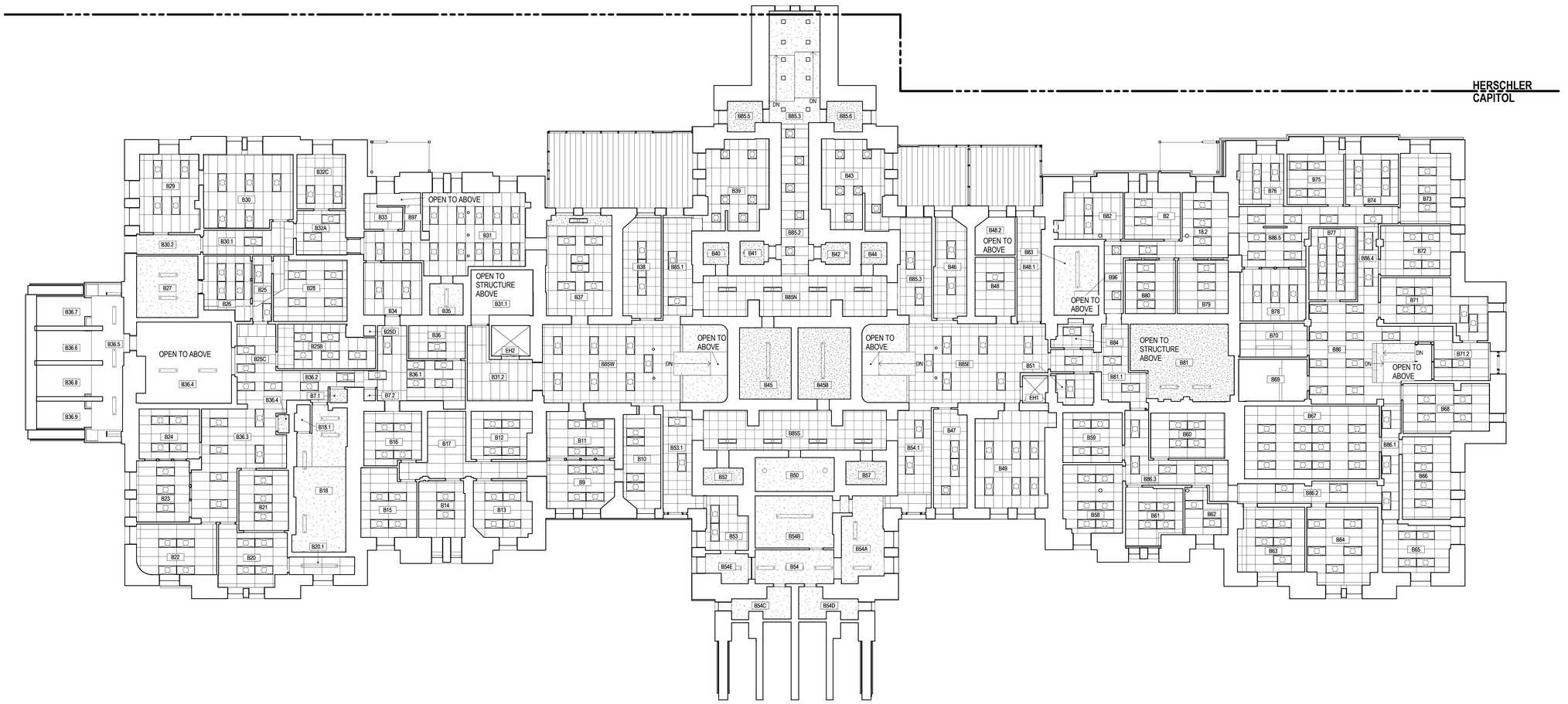
ORIGINAL ISSUE	- - -
PKG. IDENTIFIER	2

AS FOUND DOME ROOF PLAN

SCALE 1" = 10'-0"

2AF107

Schematic Design



6B AS FOUND GARDEN LEVEL RCP

1" = 10'-0"

7'-6" 2'-6"

10'-0" 5'-0" 0 10'-0" 20'-0" 40'-0"

GENERAL NOTES

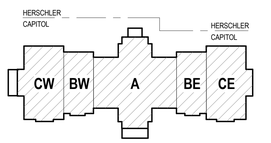
CONSTRUCTION NOTES

GRAPHIC LEGEND

REFLECTED CEILING PLAN AS FOUND LEGEND:

GWB CEILING	X'-XX" AFF	CEILING HEIGHT TAG	SECURITY CAMERA
PLASTER CEILING		EXIT LIGHTING	DIFFUSER
2' x 4' ACT CEILING		RECESSED LIGHT FIXTURE	RETURN AIR GRILLE
2' x 2' ACT CEILING		EMERGENCY LIGHT FIXTURE	OS	OCCUPANCY SENSOR
1' x 1' PANEL ADHERED TO CEILING		SUSPENDED LIGHT FIXTURE	
WOOD PANEL		HISTORIC PENDENT LIGHT	
SKYLIGHT		DOWN LIGHT	
PLASTER OR GWB SOFFIT TO MATCH ADJ SURFACE	S	FIRE ALARM SPEAKERS	
EGG CRATE LIGHT PANEL		STROBE LIGHT	
CEILING ACCESS PANEL	S	FIRE ALARM SPEAKER / STROBE	

KEY PLAN



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State of Wyoming

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Capitol Square
Rehabilitation and Restoration

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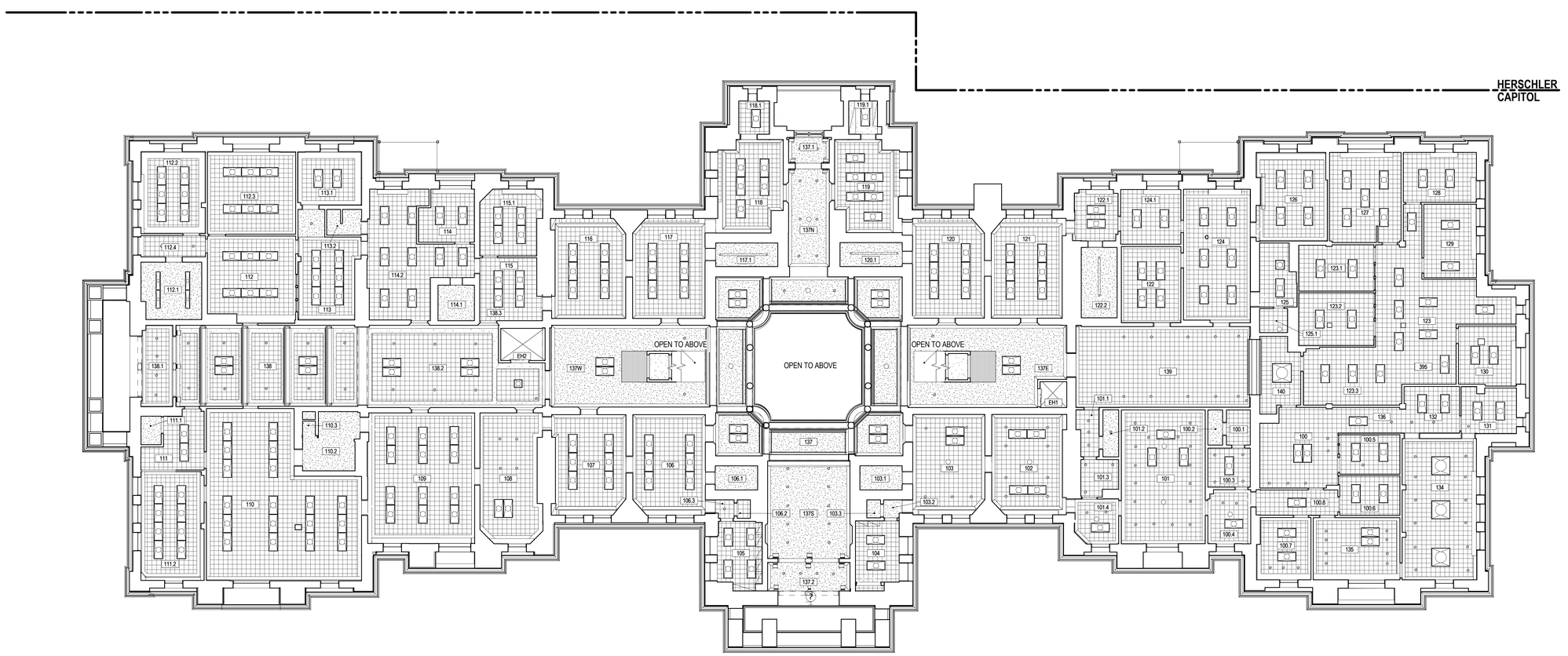
ORIGINAL ISSUE	---
PKG. IDENTIFIER	2

AS FOUND RCP - GARDEN LEVEL

SCALE 1" = 10'-0"

2AF150

Schematic Design



6B AS FOUND FIRST FLOOR RCP
1" = 10'-0"

7'-6" 2'-6"
10'-0" 5'-0" 0 10'-0" 20'-0" 40'-0"

GENERAL NOTES

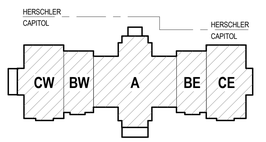
CONSTRUCTION NOTES

GRAPHIC LEGEND

REFLECTED CEILING PLAN AS FOUND LEGEND:

GWB CEILING	X'-XX" AFF CEILING HEIGHT TAG	SECURITY CAMERA
PLASTER CEILING	EXIT LIGHTING	DIFFUSER
2' x 4' ACT CEILING	RECESSED LIGHT FIXTURE	RETURN AIR GRILLE
2' x 2' ACT CEILING	EMERGENCY LIGHT FIXTURE	OCCUPANCY SENSOR
1' x 1' PANEL ADHERED TO CEILING	SUSPENDED LIGHT FIXTURE	
WOOD PANEL	HISTORIC PENDENT LIGHT	
SKYLIGHT	DOWN LIGHT	
PLASTER OR GWB SOFFIT TO MATCH ADJ SURFACE	FIRE ALARM SPEAKERS	
EGG CRATE LIGHT PANEL	STROBE LIGHT	
CEILING ACCESS PANEL	FIRE ALARM SPEAKER / STROBE	

KEY PLAN



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Capitol Square
Rehabilitation and Restoration

HDR PDP RNL

PRELIMINARY
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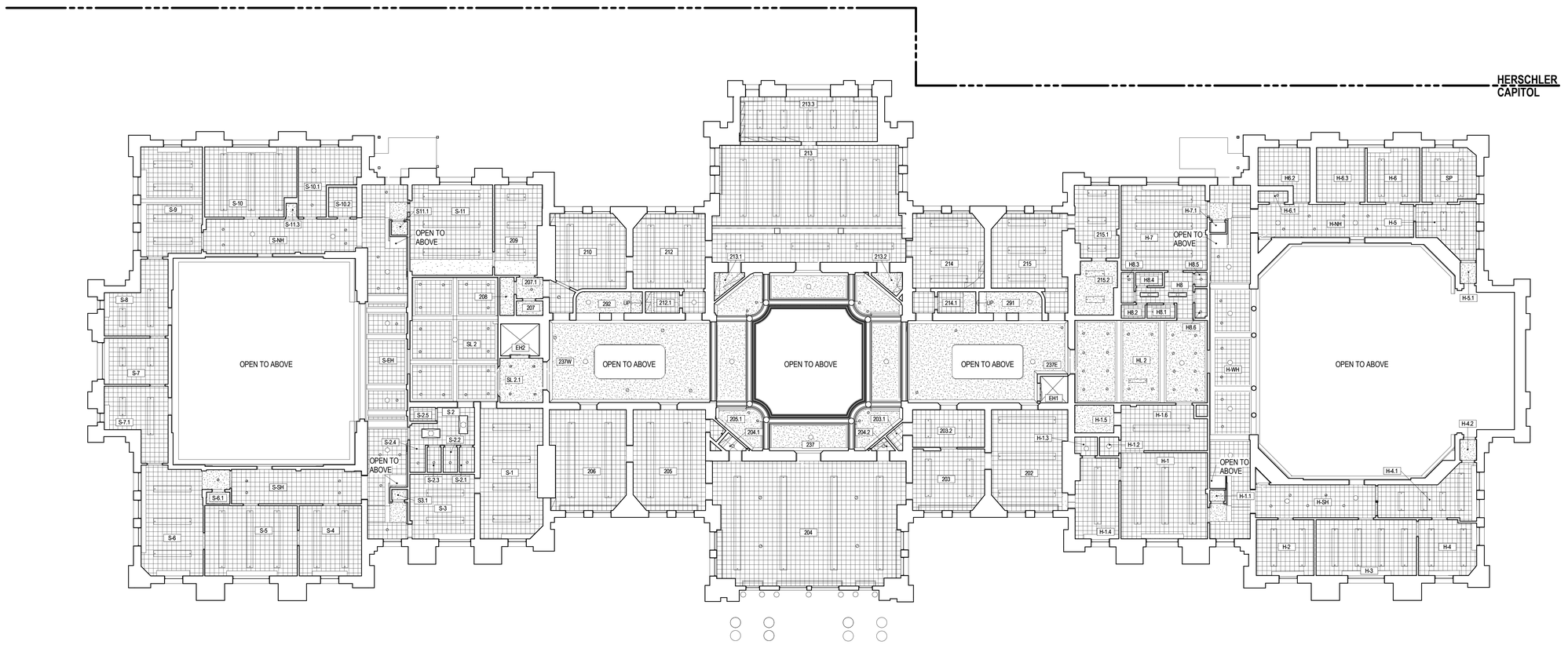
ORIGINAL ISSUE	---
PKG. IDENTIFIER	2

AS FOUND RCP - FIRST FLOOR

SCALE 1" = 10'-0"

2AF151

Schematic Design



6B AS FOUND SECOND FLOOR RCP
1" = 10'-0"

7'-6" 2'-6"
10'-0" 5'-0" 0 10'-0" 20'-0" 40'-0"

GENERAL NOTES

CONSTRUCTION NOTES

GRAPHIC LEGEND

REFLECTED CEILING PLAN AS FOUND LEGEND:

GWB CEILING	X'-XX" AFF CEILING HEIGHT TAG	SECURITY CAMERA
PLASTER CEILING	EXIT LIGHTING	DIFFUSER
2' x 4' ACT CEILING	RECESSED LIGHT FIXTURE	RETURN AIR GRILLE
2' x 2' ACT CEILING	EMERGENCY LIGHT FIXTURE	OCCUPANCY SENSOR
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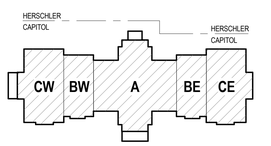
WOOD PANEL	HISTORIC PENDENT LIGHT	
SKYLIGHT	DOWN LIGHT	
PLASTER OR GWB SOFFIT TO MATCH ADJ SURFACE	FIRE ALARM SPEAKERS	
EGG CRATE LIGHT PANEL	STROBE LIGHT	
CEILING ACCESS PANEL	FIRE ALARM SPEAKER / STROBE	

KEY PLAN



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State of Wyoming

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Capitol Square
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PRELIMINARY
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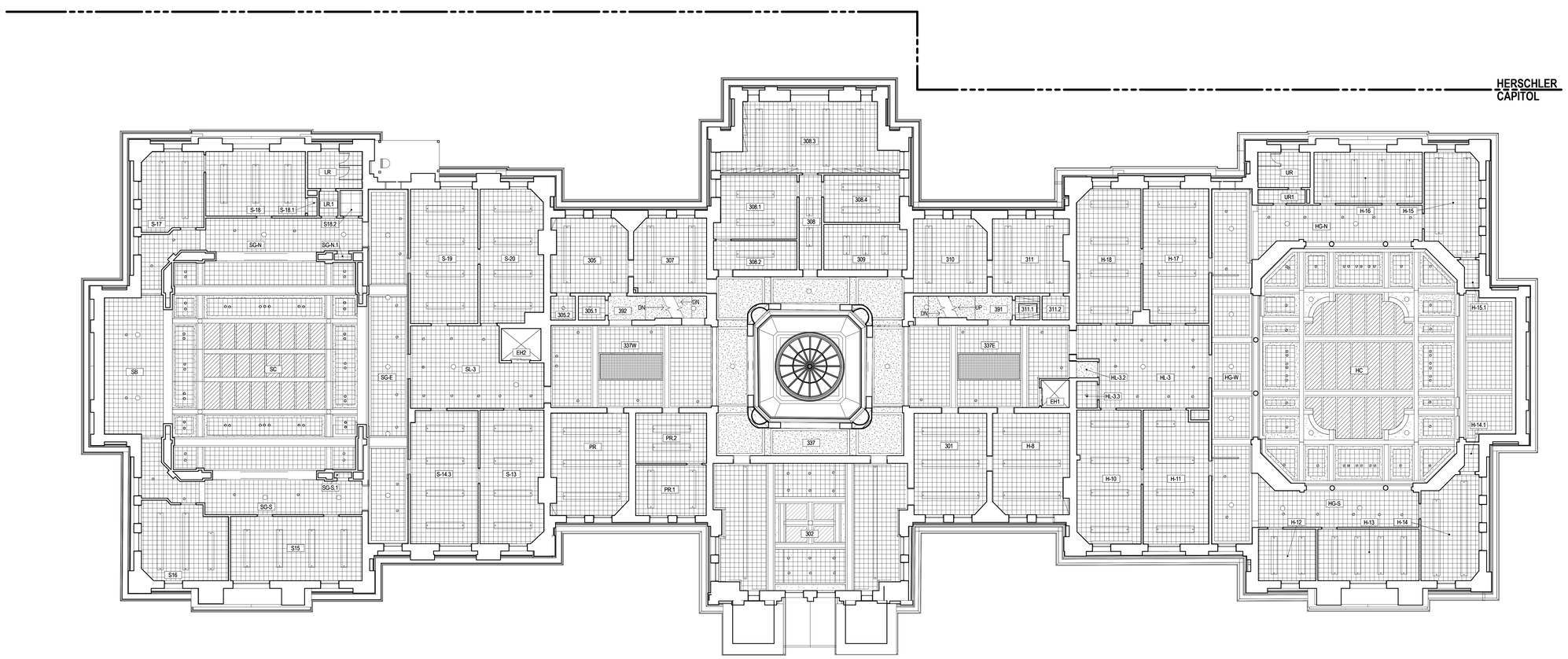
PKG. IDENTIFIER	2

AS FOUND RCP - SECOND FLOOR

SCALE 1" = 10'-0"

2AF152

Schematic Design



6B AS FOUND THIRD FLOOR RCP

1" = 10'-0"

7'-6" 2'-6"

10'-0" 5'-0" 0 10'-0" 20'-0" 40'-0"

GENERAL NOTES

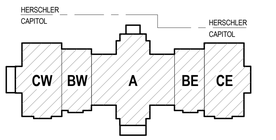
CONSTRUCTION NOTES

GRAPHIC LEGEND

REFLECTED CEILING PLAN AS FOUND LEGEND:

GWB CEILING	X'-XX" AFF	CEILING HEIGHT TAG	SECURITY CAMERA
PLASTER CEILING		EXIT LIGHTING	DIFFUSER
2' x 4' ACT CEILING		RECESSED LIGHT FIXTURE	RETURN AIR GRILLE
2' x 2' ACT CEILING		EMERGENCY LIGHT FIXTURE	OCCUPANCY SENSOR
1' x 1' PANEL ADHERED TO CEILING		SUSPENDED LIGHT FIXTURE	
WOOD PANEL		HISTORIC PENDENT LIGHT	
SKYLIGHT		DOWN LIGHT	
PLASTER OR GWB SOFFIT TO MATCH ADJ SURFACE		FIRE ALARM SPEAKERS	
EGG CRATE LIGHT PANEL		STROBE LIGHT	
CEILING ACCESS PANEL		FIRE ALARM SPEAKER / STROBE	

KEY PLAN



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State of Wyoming

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Construction Management

Capitol Square
Rehabilitation and Restoration

HDR PDP RNL

PRELIMINARY
NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION
1	2014/12/19	SD OWNER REVIEW

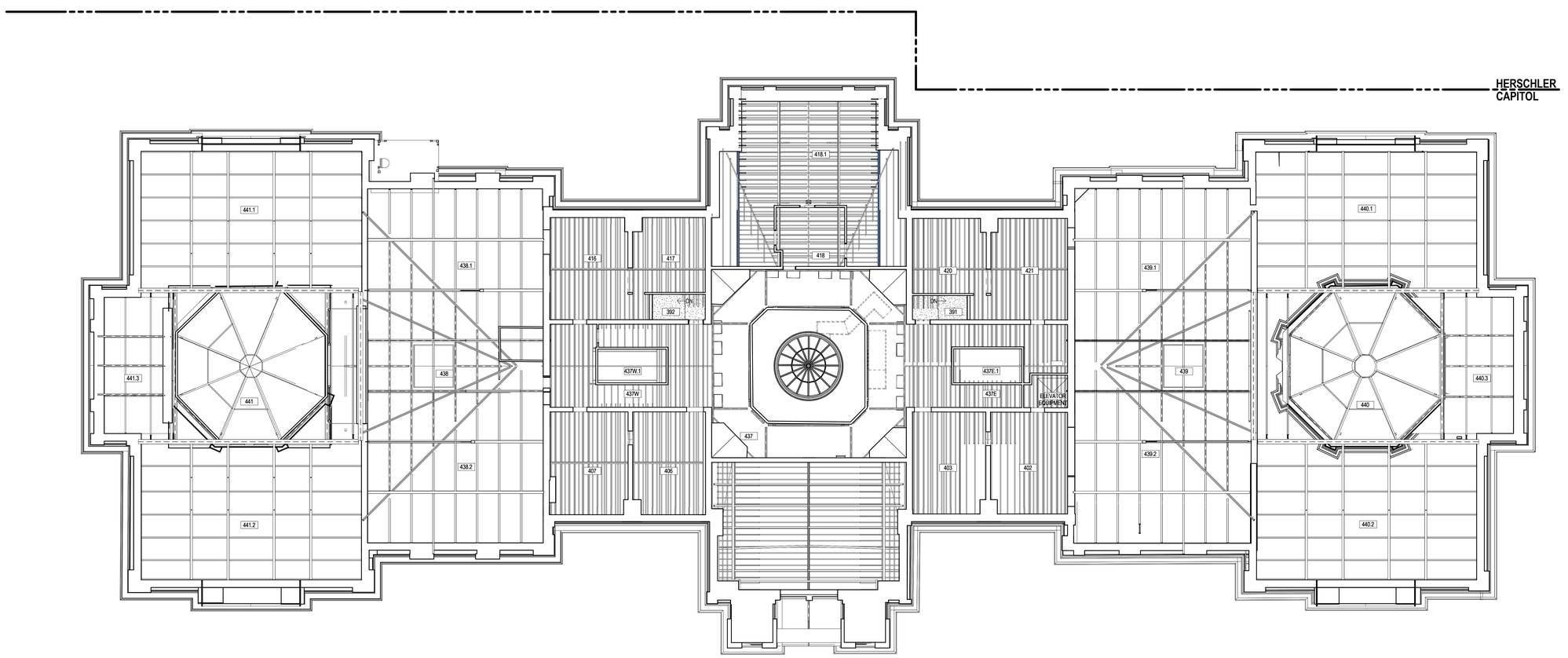
PROJECT NUMBER	203619
ORIGINAL ISSUE	- - -
PKG. IDENTIFIER	2

AS FOUND RCP - THIRD FLOOR

SCALE 1" = 10'-0"

2AF153

Schematic Design



6B AS FOUND ATTIC 1 RCP
1" = 10'-0"

7'-6" 2'-6"
10'-0" 5'-0" 0 10'-0" 20'-0" 40'-0"

GENERAL NOTES

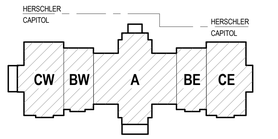
CONSTRUCTION NOTES

GRAPHIC LEGEND

REFLECTED CEILING PLAN AS FOUND LEGEND:

GWB CEILING	X'-XX" AFF	CEILING HEIGHT TAG		SECURITY CAMERA
PLASTER CEILING		EXIT LIGHTING		DIFFUSER
2' x 4' ACT CEILING		RECESSED LIGHT FIXTURE		RETURN AIR GRILLE
2' x 2' ACT CEILING		EMERGENCY LIGHT FIXTURE	OS	OCCUPANCY SENSOR
1' x 1' PANEL ADHERED TO CEILING		SUSPENDED LIGHT FIXTURE		
WOOD PANEL		HISTORIC PENDENT LIGHT		
SKYLIGHT		DOWN LIGHT		
PLASTER OR GWB SOFFIT TO MATCH ADJ SURFACE	S	FIRE ALARM SPEAKERS		
EGG CRATE LIGHT PANEL		STROBE LIGHT		
CEILING ACCESS PANEL	S	FIRE ALARM SPEAKER / STROBE		

KEY PLAN



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State of Wyoming

Administration & Information
Construction Management

Capitol Square
Rehabilitation and Restoration

HDR PDP RNL

PRELIMINARY
NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION
1	2014/12/19	SD OWNER REVIEW

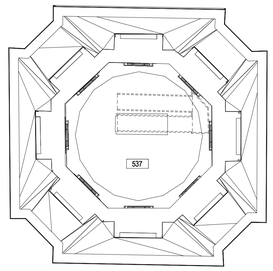
PROJECT NUMBER	203619
ORIGINAL ISSUE	- - -
PKG. IDENTIFIER	2

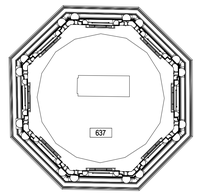
AS FOUND RCP - ATTIC 1

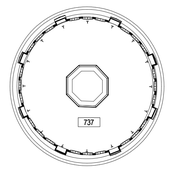
SCALE 1" = 10'-0"

2AF154

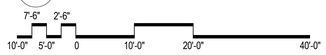
Schematic Design







6B AS FOUND ATTIC 2 RCP
1" = 10'-0"



5B AS FOUND DOME 1 RCP
1" = 10'-0"

3B AS FOUND DOME 2 RCP
1" = 10'-0"

GENERAL NOTES

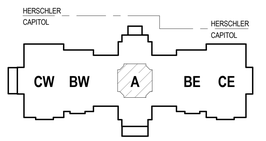
CONSTRUCTION NOTES

GRAPHIC LEGEND

REFLECTED CEILING PLAN AS FOUND LEGEND:

GWB CEILING	X'-XX" AFF	CEILING HEIGHT TAG	SECURITY CAMERA
PLASTER CEILING		EXIT LIGHTING	DIFFUSER
2' x 4' ACT CEILING		RECESSED LIGHT FIXTURE	RETURN AIR GRILLE
2' x 2' ACT CEILING		EMERGENCY LIGHT FIXTURE	OCCUPANCY SENSOR
1' x 1' PANEL ADHERED TO CEILING		SUSPENDED LIGHT FIXTURE	
WOOD PANEL		HISTORIC PENDENT LIGHT	
SKYLIGHT		DOWN LIGHT	
PLASTER OR GWB SOFFIT TO MATCH ADJ SURFACE		FIRE ALARM SPEAKERS	
EGG CRATE LIGHT PANEL		STROBE LIGHT	
CEILING ACCESS PANEL		FIRE ALARM SPEAKER / STROBE	

KEY PLAN



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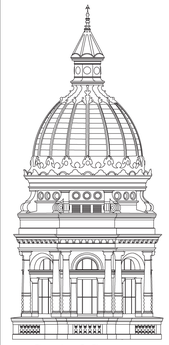
State of Wyoming

Administration & Information
Construction Management



Capitol Square
Rehabilitation and Restoration

HDR PDP PLAN ARCHITECT

PRELIMINARY
NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION
1	2014/12/19	SD OWNER REVIEW

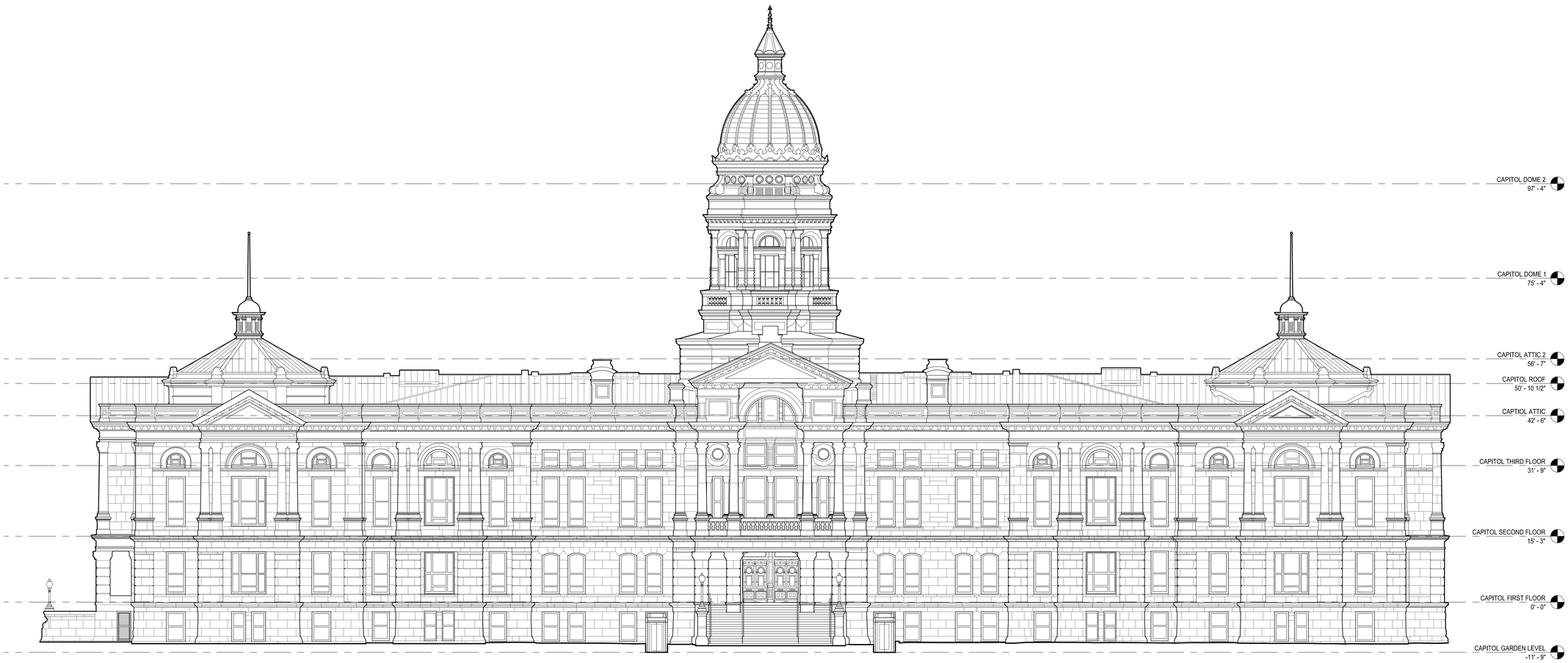
PROJECT NUMBER	203619
ORIGINAL ISSUE	- -
PKG. IDENTIFIER	2

AS FOUND RCP - ATTIC 2, DOME 1 AND 2

SCALE 1" = 10'-0"

2AF155

Schematic Design



6B AS FOUND SOUTH ELEVATION
1" = 10'-0"

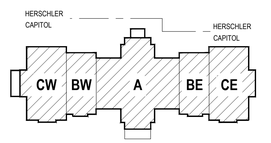
7'-6" 2'-6"
10'-0" 5'-0" 0 10'-0" 20'-0" 40'-0"

GENERAL NOTES

CONSTRUCTION KEYNOTES

GRAPHIC LEGEND

KEY PLAN



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State of Wyoming

Administration & Information
Construction Management

Capitol Square
Rehabilitation and Restoration
State of Wyoming A&I Construction Management

HDR PDP PLAN

PRELIMINARY
NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION
1	2014/12/19	SD OWNER REVIEW

PROJECT NUMBER	203619
ORIGINAL ISSUE	- -
PKG. IDENTIFIER	2

AS FOUND SOUTH ELEVATION

SCALE	AS NOTED

2AF201

Schematic Design

6B AS FOUND SOUTH ELEVATION - ORTHOPHOTO
1" = 10'-0"

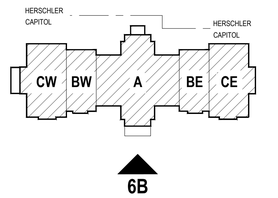
7'-6" 2'-6"
10'-0" 5'-0" 0 10'-0" 20'-0" 40'-0"

GENERAL NOTES

CONSTRUCTION KEYNOTES

GRAPHIC LEGEND

KEY PLAN



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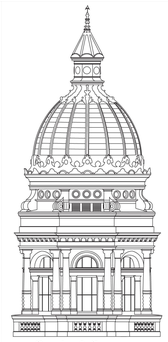
State of Wyoming

Administration & Information
Construction Management



Capitol Square
Rehabilitation and Restoration
State of Wyoming A&I Construction Management

HDR PDP RLA

PRELIMINARY
NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION
1	2014/12/19	SD OWNER REVIEW

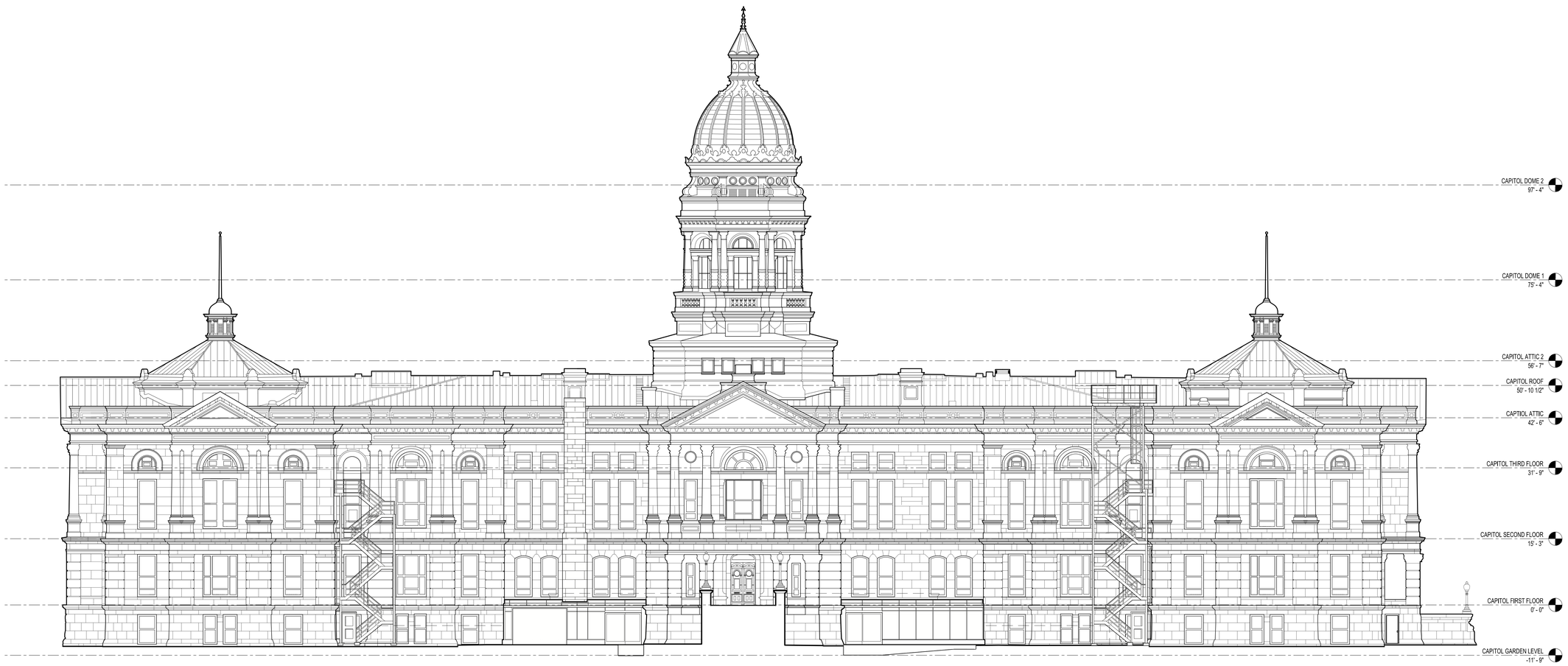
PROJECT NUMBER	203619
ORIGINAL ISSUE	- -
PKG. IDENTIFIER	2

AS FOUND SOUTH ELEVATION ORTHOPHOTO

SCALE AS NOTED

2AF201B

Schematic Design



6B AS FOUND NORTH ELEVATION
1" = 10'-0"

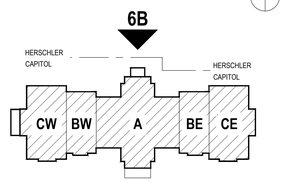
7'-6" 2'-6"
10'-0" 5'-0" 0 10'-0" 20'-0" 40'-0"

GENERAL NOTES

CONSTRUCTION KEYNOTES

GRAPHIC LEGEND

KEY PLAN



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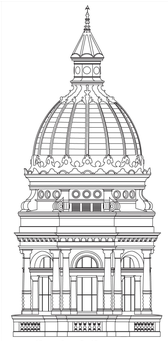
State of Wyoming

Administration & Information
Construction Management



Capitol Square
Rehabilitation and Restoration
State of Wyoming A&I Construction Management

HDR PDP PLAN HERITAGE

PRELIMINARY
NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION
1	2014/12/19	SD OWNER REVIEW

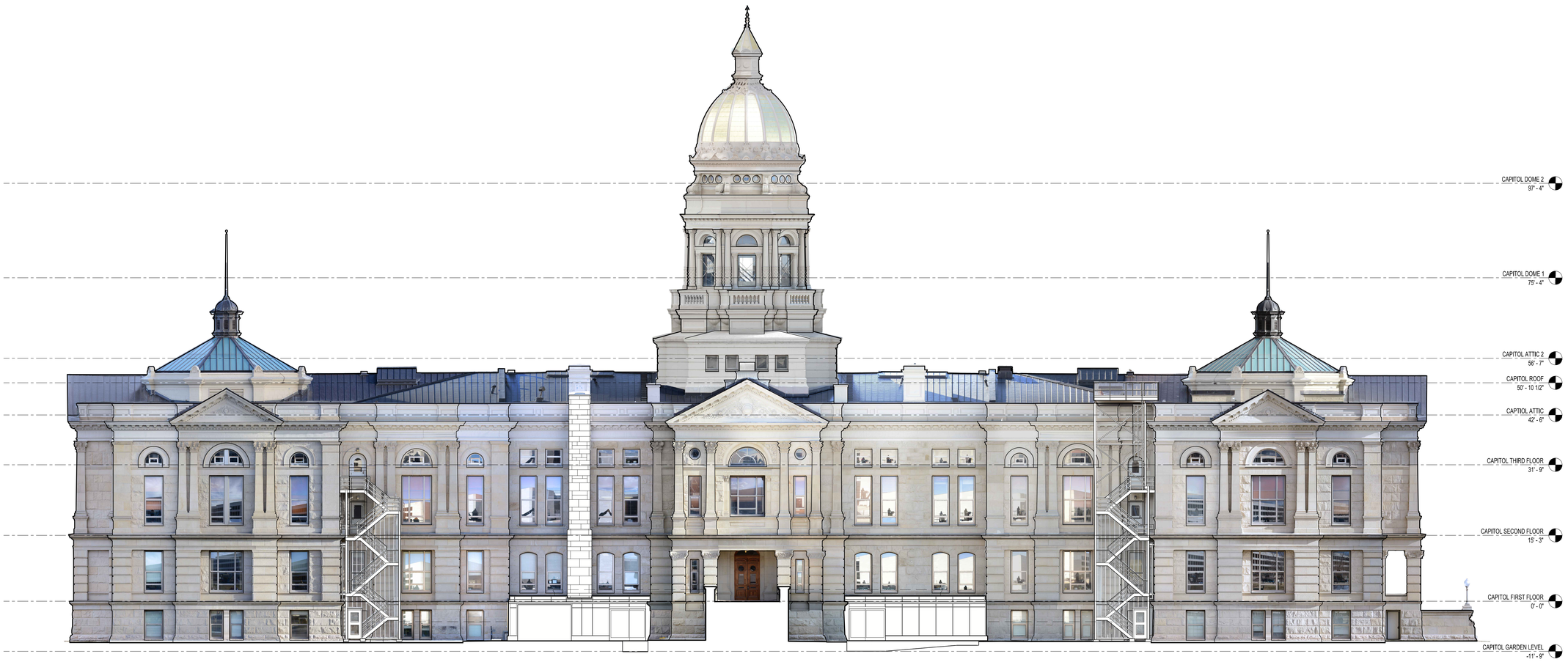
PROJECT NUMBER	203619
ORIGINAL ISSUE	- -
PKG. IDENTIFIER	2

AS FOUND NORTH ELEVATION

SCALE	AS NOTED

2AF202

Schematic Design



6B AS FOUND NORTH ELEVATION - ORTHOPHOTO

1" = 10'-0"

7'-6" 2'-6"

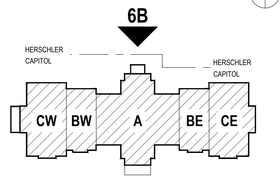
10'-0" 5'-0" 0 10'-0" 20'-0" 40'-0"

GENERAL NOTES

CONSTRUCTION KEYNOTES

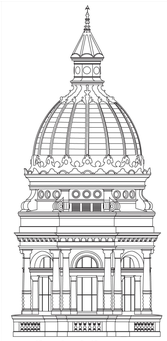
GRAPHIC LEGEND

KEY PLAN



State of Wyoming

Administration & Information
Construction Management



Capitol Square
Rehabilitation and Restoration

State of Wyoming A&I Construction Management

HDR PDP PLAN ARCHITECT

PRELIMINARY
NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION
1	2014/12/19	SD OWNER REVIEW

PROJECT NUMBER	203619
ORIGINAL ISSUE	- - -
PKG. IDENTIFIER	2

AS FOUND NORTH ELEVATION ORTHOPHOTO

SCALE AS NOTED

2AF202B

Schematic Design

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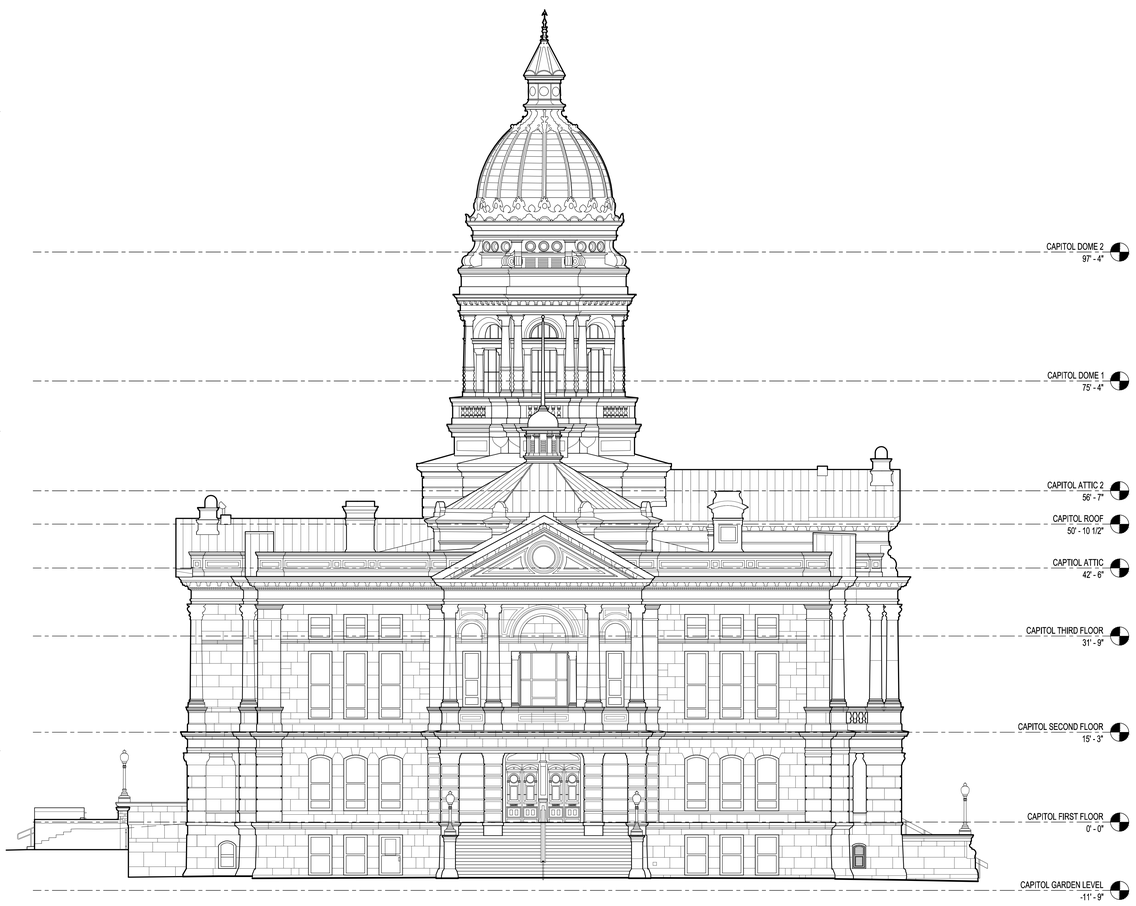
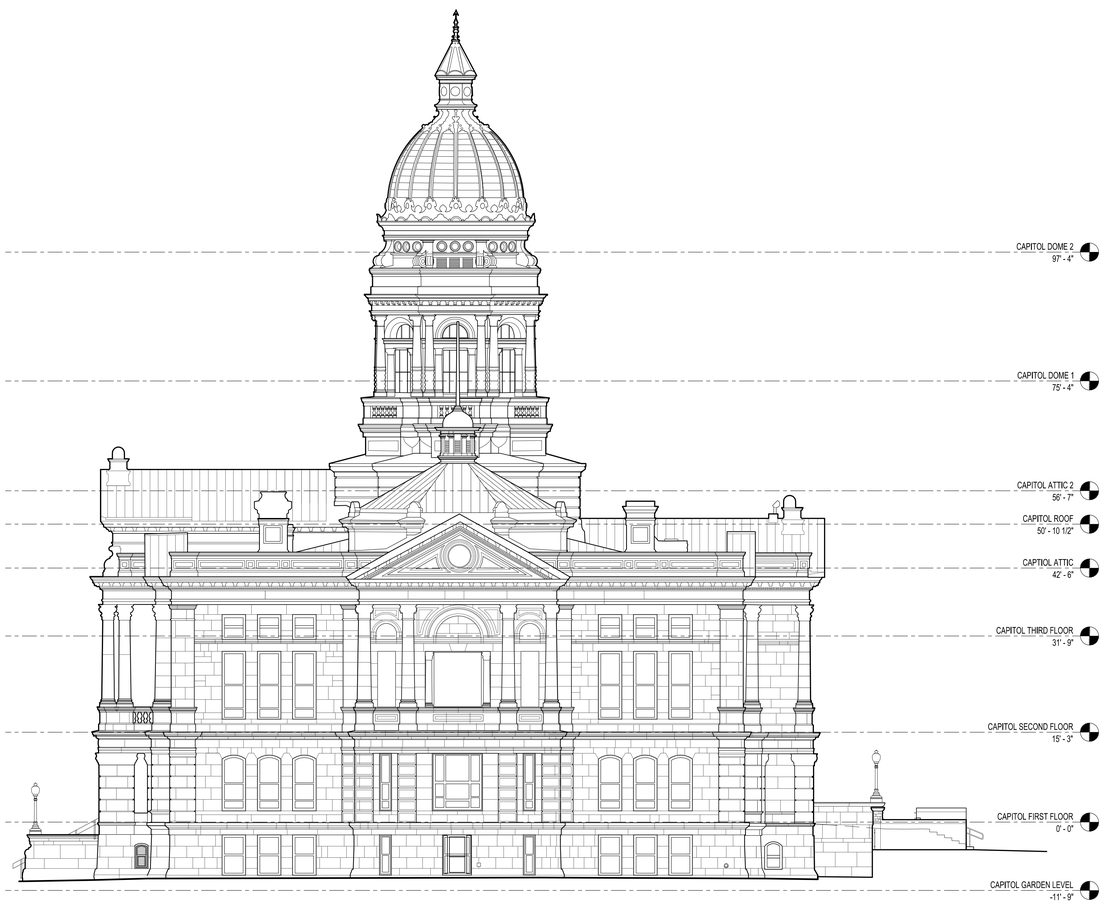


7B AS FOUND WEST ELEVATION
1" = 10'-0"

7'-6" 2'-6"
10'-0" 5'-0" 0 10'-0" 20'-0" 40'-0"



3B AS FOUND EAST ELEVATION
1" = 10'-0"

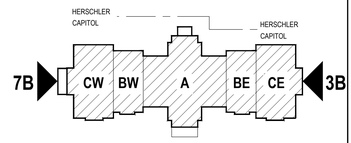
7'-6" 2'-6"
10'-0" 5'-0" 0 10'-0" 20'-0" 40'-0"

GENERAL NOTES

CONSTRUCTION KEYNOTES

GRAPHIC LEGEND

KEY PLAN



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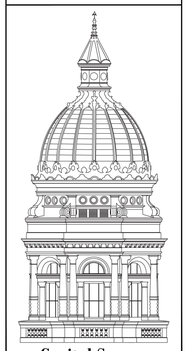
State of Wyoming

Administration & Information
Construction Management



Capitol Square
Rehabilitation and Restoration
State of Wyoming A&I Construction Management

HDR PDP PLAN ARCHITECT

PRELIMINARY
NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION
1	2014/12/19	SD OWNER REVIEW

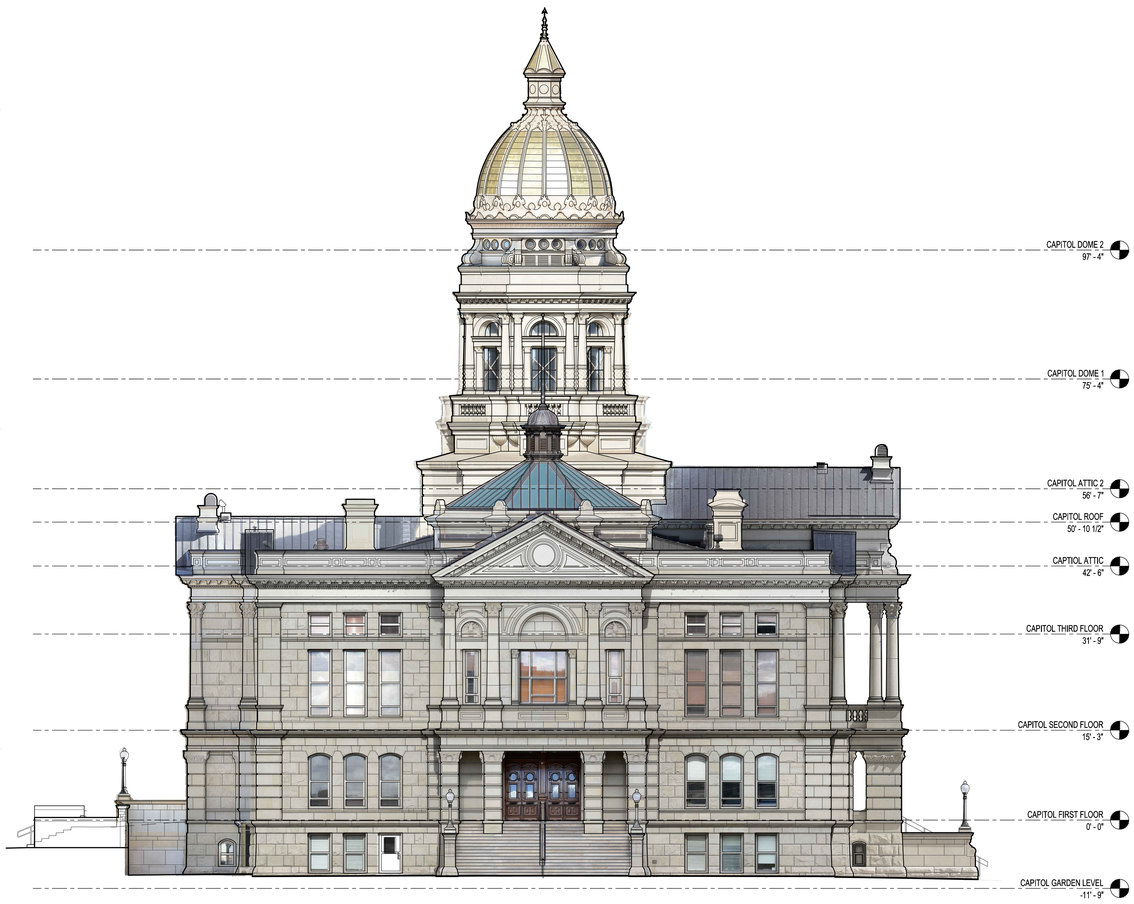
PROJECT NUMBER	203619
ORIGINAL ISSUE	- -
PKG. IDENTIFIER	2

AS FOUND EAST AND WEST ELEVATIONS

SCALE	AS NOTED

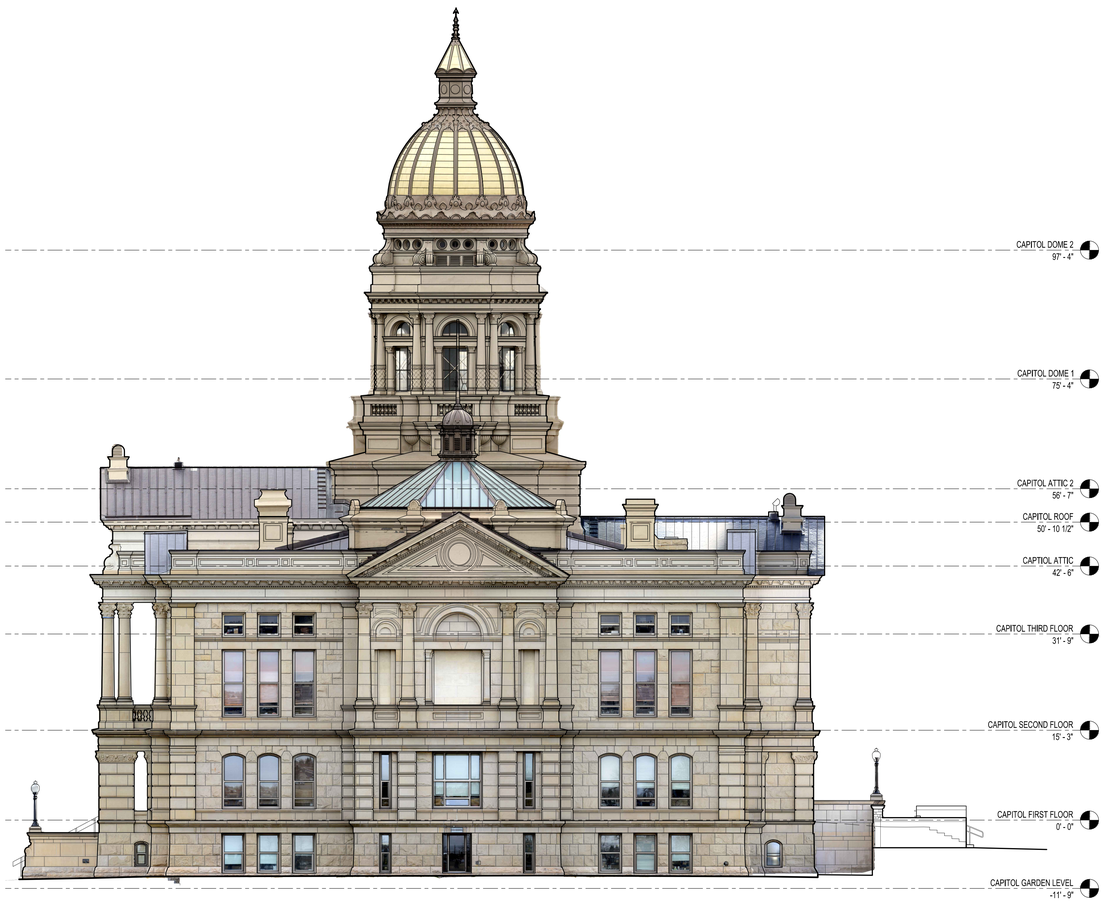
2AF203

Schematic Design



7B AS FOUND WEST ELEVATION - ORTHOPHOTO
1" = 10'-0"

7'-6" 2'-6"
10'-0" 5'-0" 0 10'-0" 20'-0" 40'-0"



3B AS FOUND EAST ELEVATION - ORTHOPHOTO
1" = 10'-0"

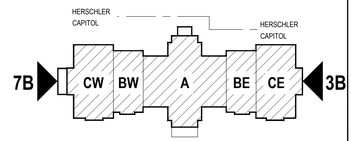
7'-6" 2'-6"
10'-0" 5'-0" 0 10'-0" 20'-0" 40'-0"

GENERAL NOTES

CONSTRUCTION KEYNOTES

GRAPHIC LEGEND

KEY PLAN



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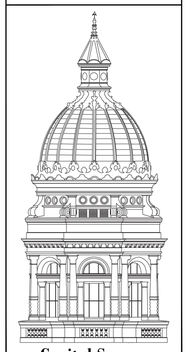
State of Wyoming

Administration & Information
Construction Management



Capitol Square
Rehabilitation and Restoration
State of Wyoming A&I Construction Management

HDR PDP RLM DESIGN

PRELIMINARY
NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION
1	2014/12/19	SD OWNER REVIEW

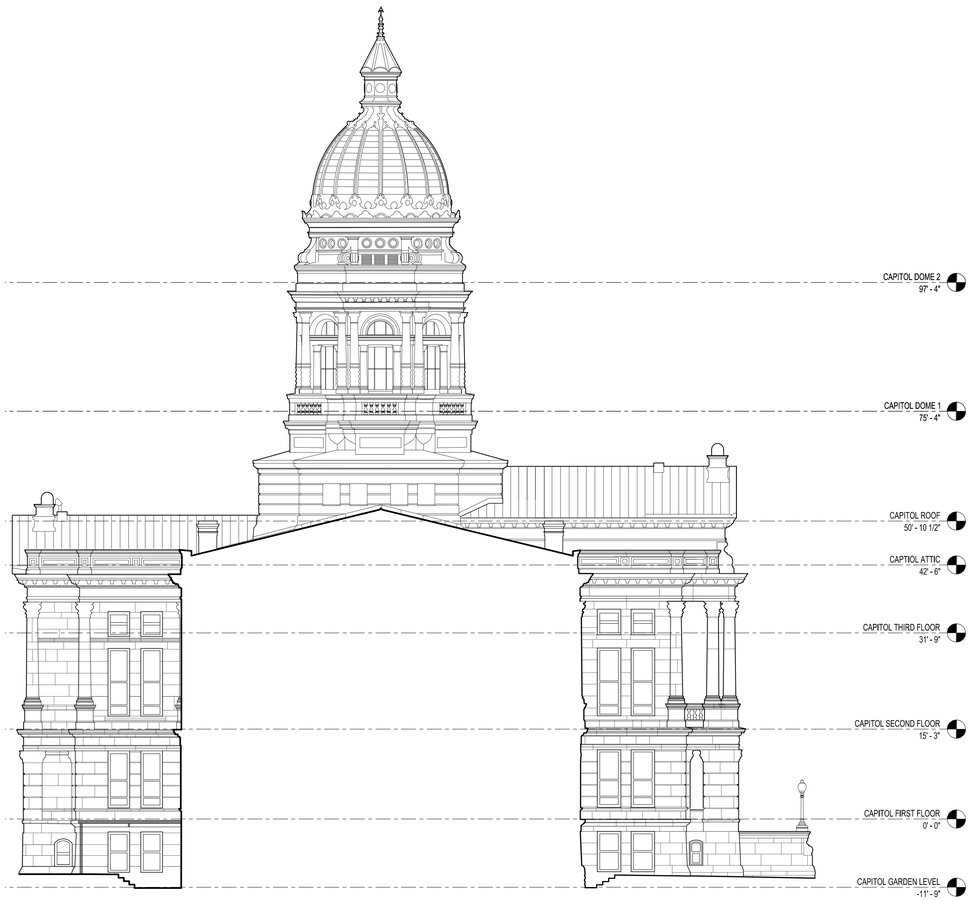
PROJECT NUMBER	203619
ORIGINAL ISSUE	- -
PKG. IDENTIFIER	2

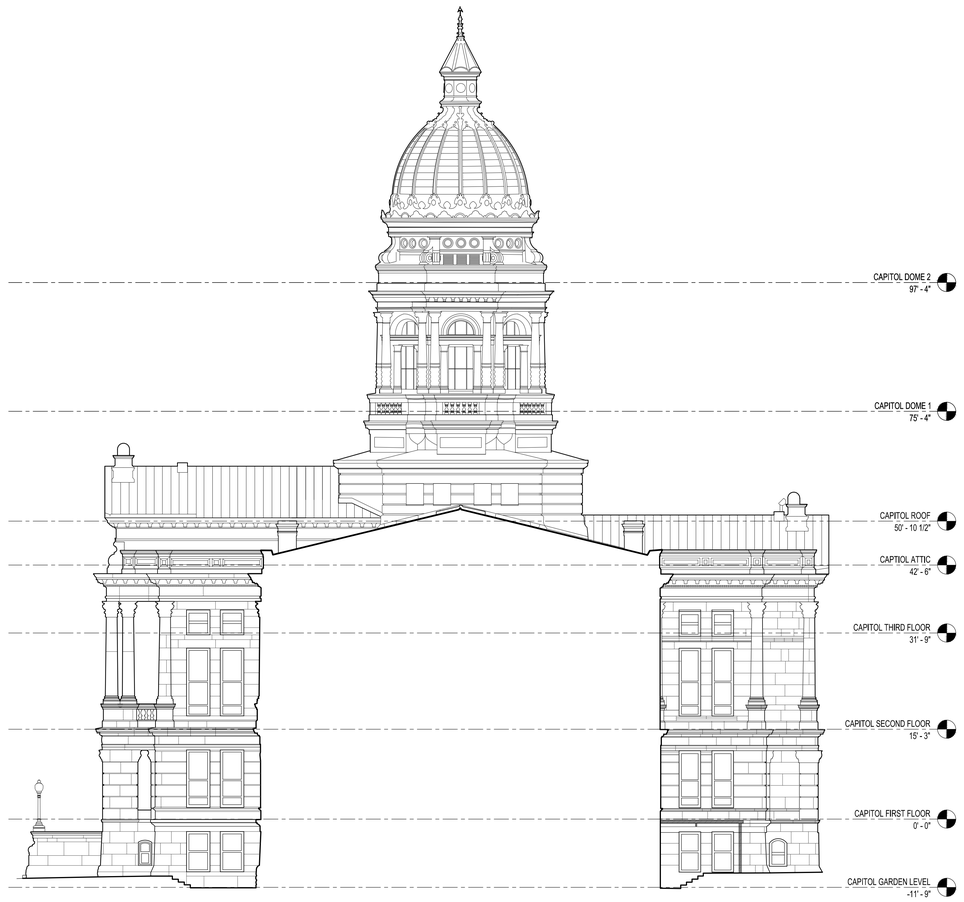
AS FOUND EAST AND WEST ELEVATIONS ORTHOPHOTO

SCALE	AS NOTED

2AF203B

Schematic Design





7B AS FOUND PORTICO WEST RETURNS
1" = 10'-0"

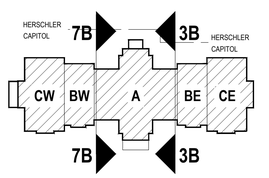
3B AS FOUND PORTICO EAST RETURNS
1" = 10'-0"

GENERAL NOTES

CONSTRUCTION KEYNOTES

GRAPHIC LEGEND

KEY PLAN



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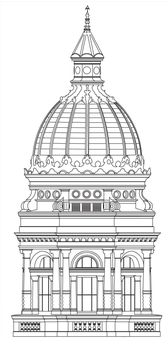
State of Wyoming

Administration & Information
Construction Management



Capitol Square
Rehabilitation and Restoration
State of Wyoming A&I Construction Management

HDR PDP PLAN

PRELIMINARY
NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION
1	2014/12/19	SD OWNER REVIEW

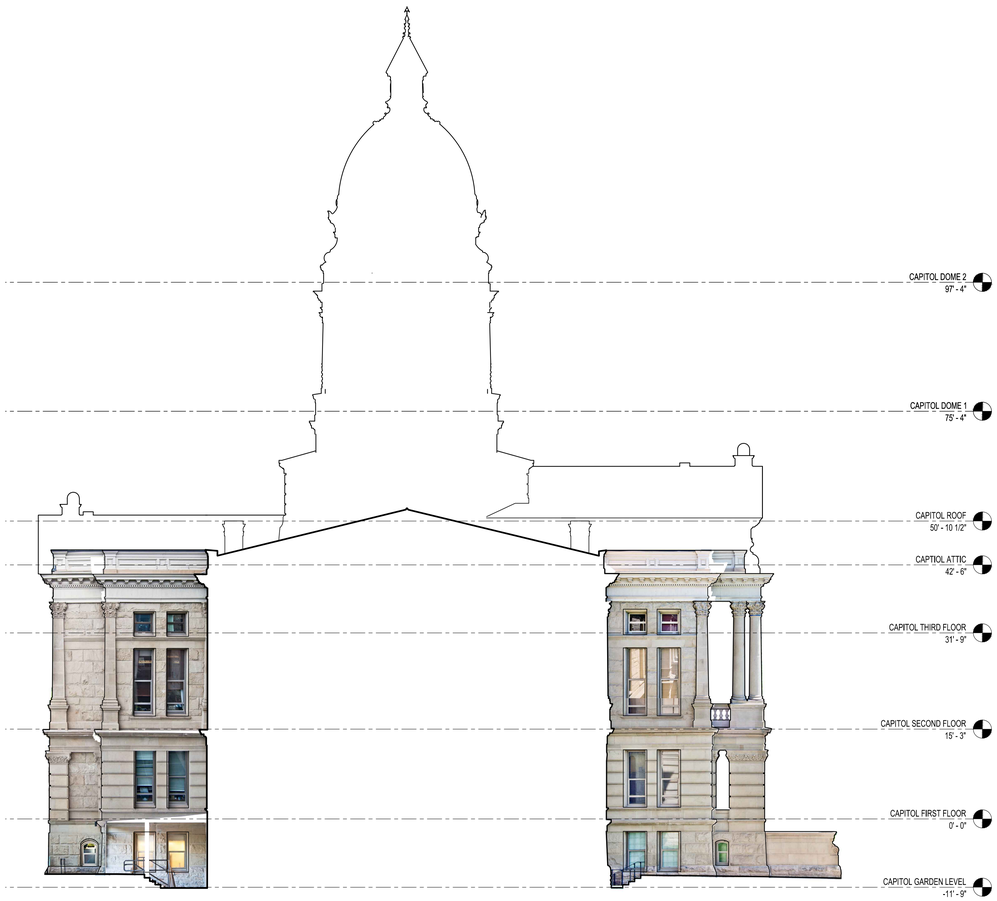
PROJECT NUMBER	203619
ORIGINAL ISSUE	- -
PKG. IDENTIFIER	2

AS FOUND PORTICO RETURNS

SCALE	AS NOTED

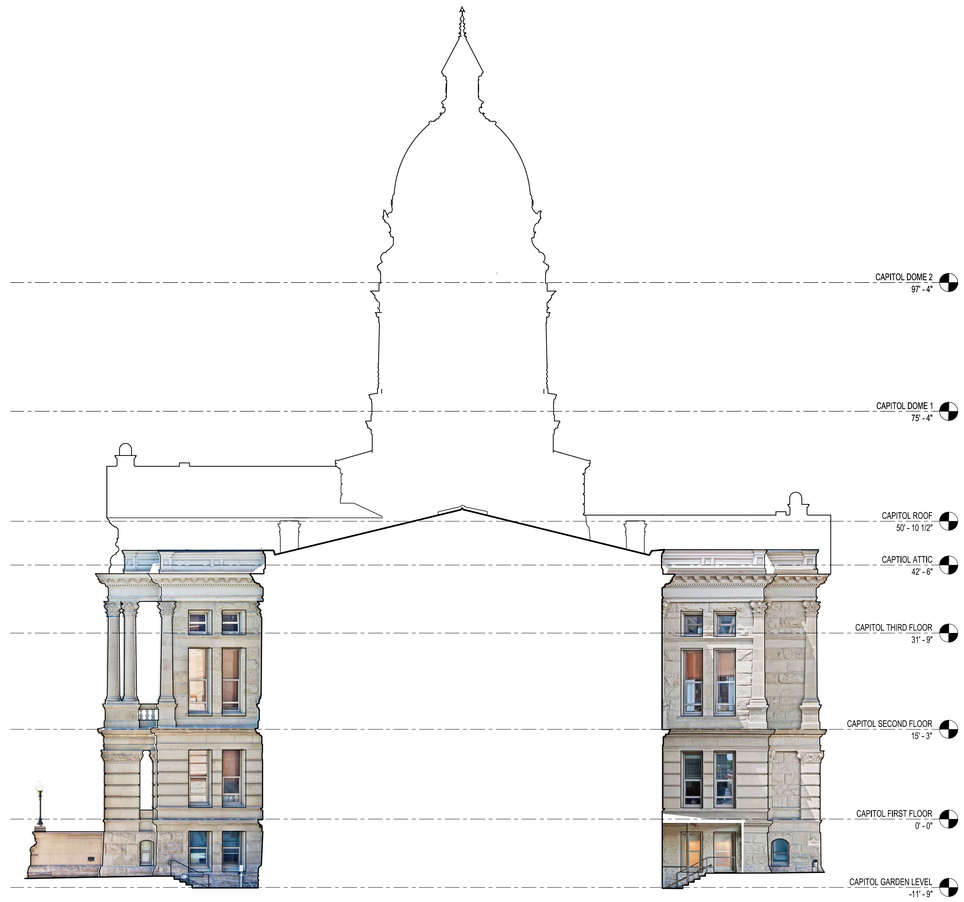
2AF204

Schematic Design



7B AS FOUND PORTICO WEST RETURNS - ORTHOPHOTO
1" = 10'-0"

7'-6" 2'-6"
10'-0" 5'-0" 0 10'-0" 20'-0" 40'-0"



3B AS FOUND PORTICO EAST RETURNS - ORTHOPHOTO
1" = 10'-0"

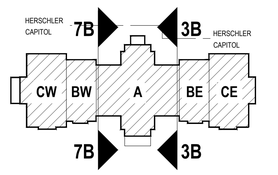
7'-6" 2'-6"
10'-0" 5'-0" 0 10'-0" 20'-0" 40'-0"

GENERAL NOTES

CONSTRUCTION KEYNOTES

GRAPHIC LEGEND

KEY PLAN



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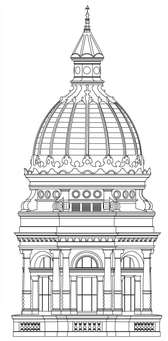
State of Wyoming

Administration & Information
Construction Management



Capitol Square
Rehabilitation and Restoration
State of Wyoming A&I Construction Management

HDR PDP RLA

PRELIMINARY
NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION
1	2014/12/19	SD OWNER REVIEW

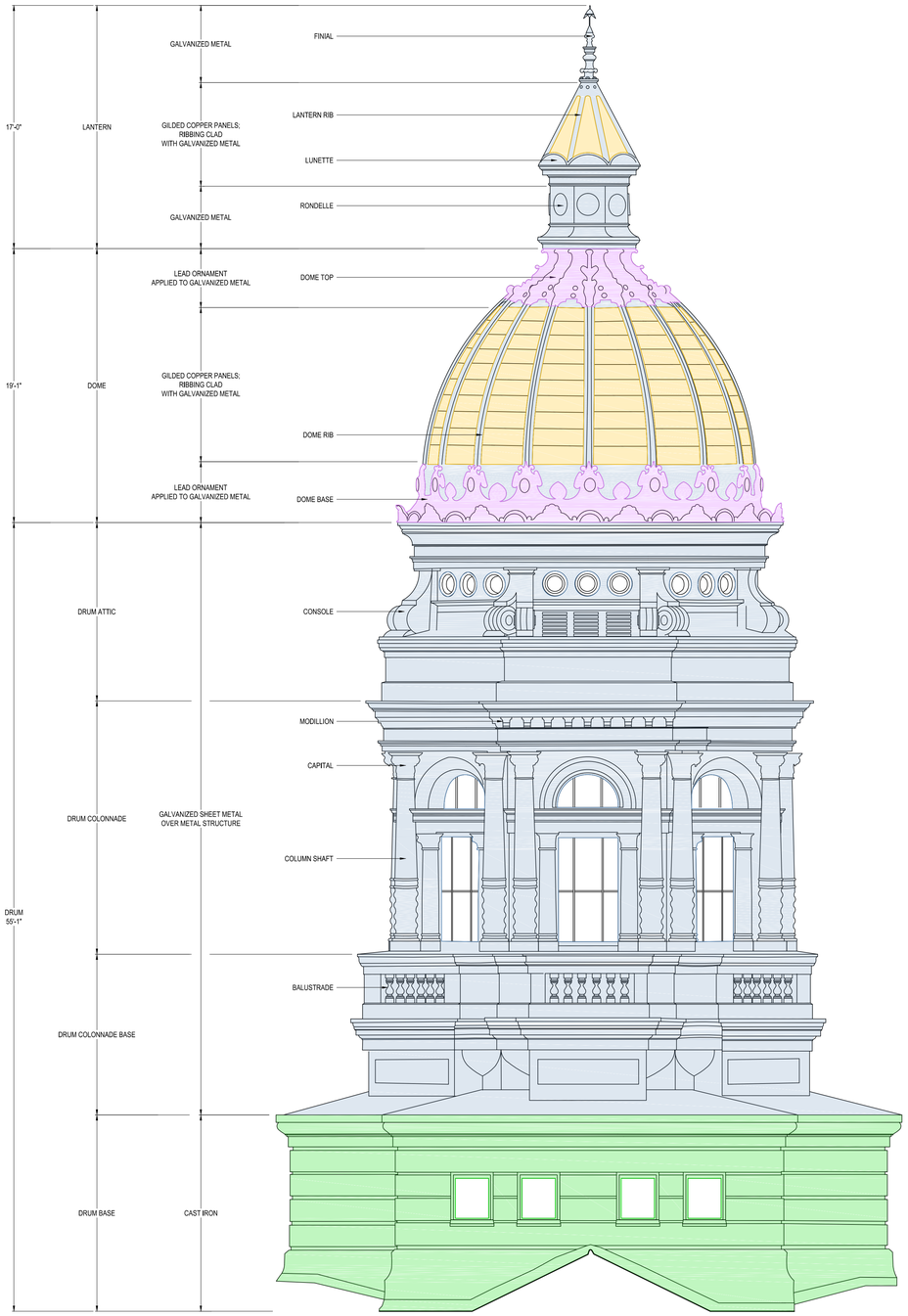
PROJECT NUMBER	203619
ORIGINAL ISSUE	- -
PKG. IDENTIFIER	2

AS FOUND PORTICO RETURNS ORTHOPHOTO

SCALE AS NOTED

2AF204B

Schematic Design



1 KEY ELEVATION - DOME
1/4" = 1'-0"

3'-0" 1'-0"
4'-0" 2'-0" 0 4'-0" 8'-0" 16'-0"

DOME ELEVATION LOCATION KEY		
SHEET	DRAWING NO.	BAY NUMBER
2AF211	B6	SOUTH DOME ELEVATION
	B4	SOUTHEAST DOME ELEVATION
2AF212	B6	EAST DOME ELEVATION
	B4	NORTHEAST DOME ELEVATION
2AF213	B6	NORTH DOME ELEVATION
	B3	NORTHWEST DOME ELEVATION
2AF214	B6	WEST DOME ELEVATION
	B3	SOUTHWEST DOME ELEVATION

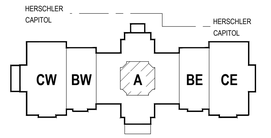
MATERIAL		
HATCH	ABBREVIATION	MATERIAL
	FE	CAST IRON
	CU	GILDED COPPER
	GV	GALVANIZED SHEET METAL
	PB	APPLIED LEAD ORNAMENT

GENERAL NOTES

CONSTRUCTION KEYNOTES

GRAPHIC LEGEND

KEY PLAN



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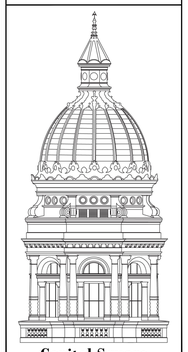
State of Wyoming

Administration & Information
Construction Management



Capitol Square
Rehabilitation and Restoration
State of Wyoming A&I Construction Management

HDR PDP RLM DESIGN

PRELIMINARY
NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION
1	2014/12/19	SD OWNER REVIEW

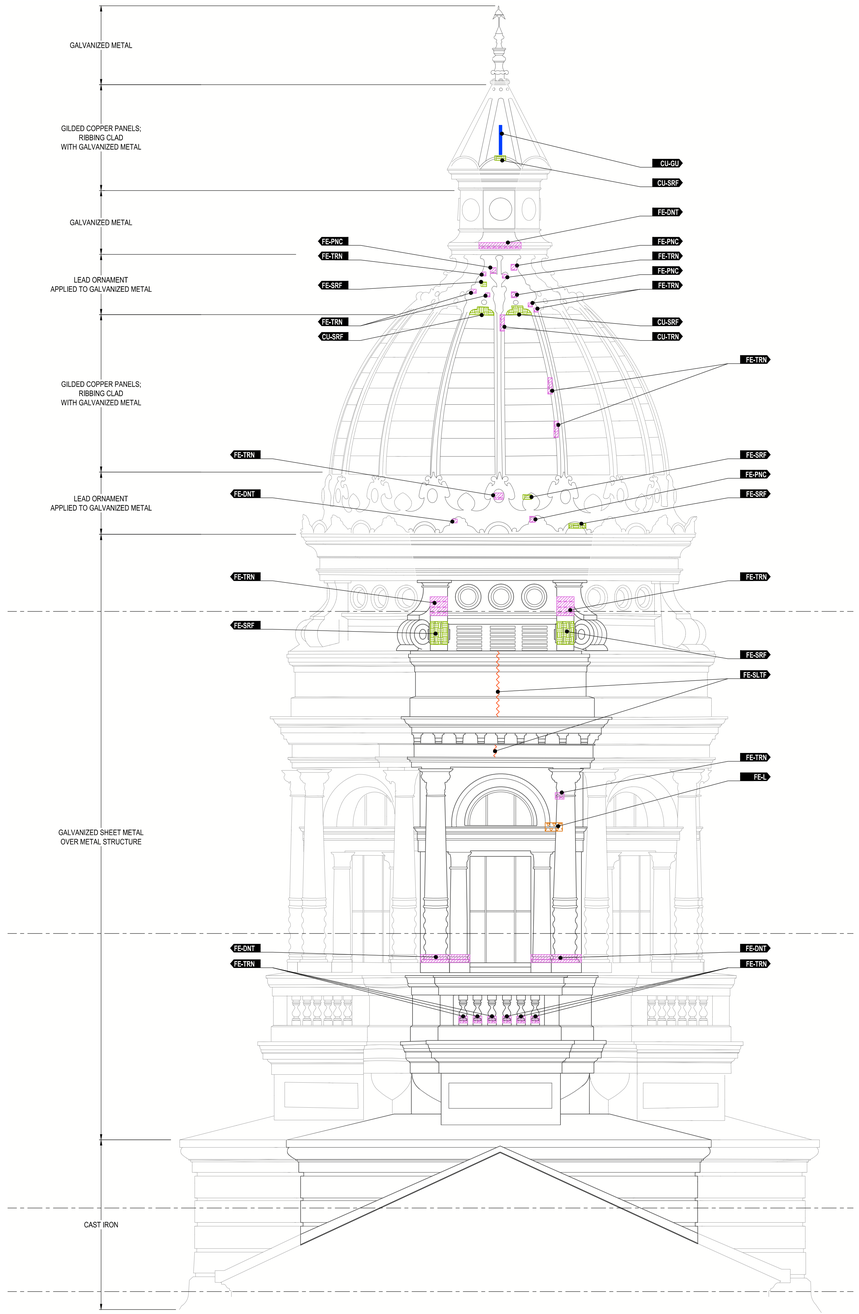
PROJECT NUMBER	203619
ORIGINAL ISSUE	- -
PKG. IDENTIFIER	2

EXTERIOR CONDITION KEY ELEVATION - DOME

SCALE: AS NOTED

2AF210

Schematic Design

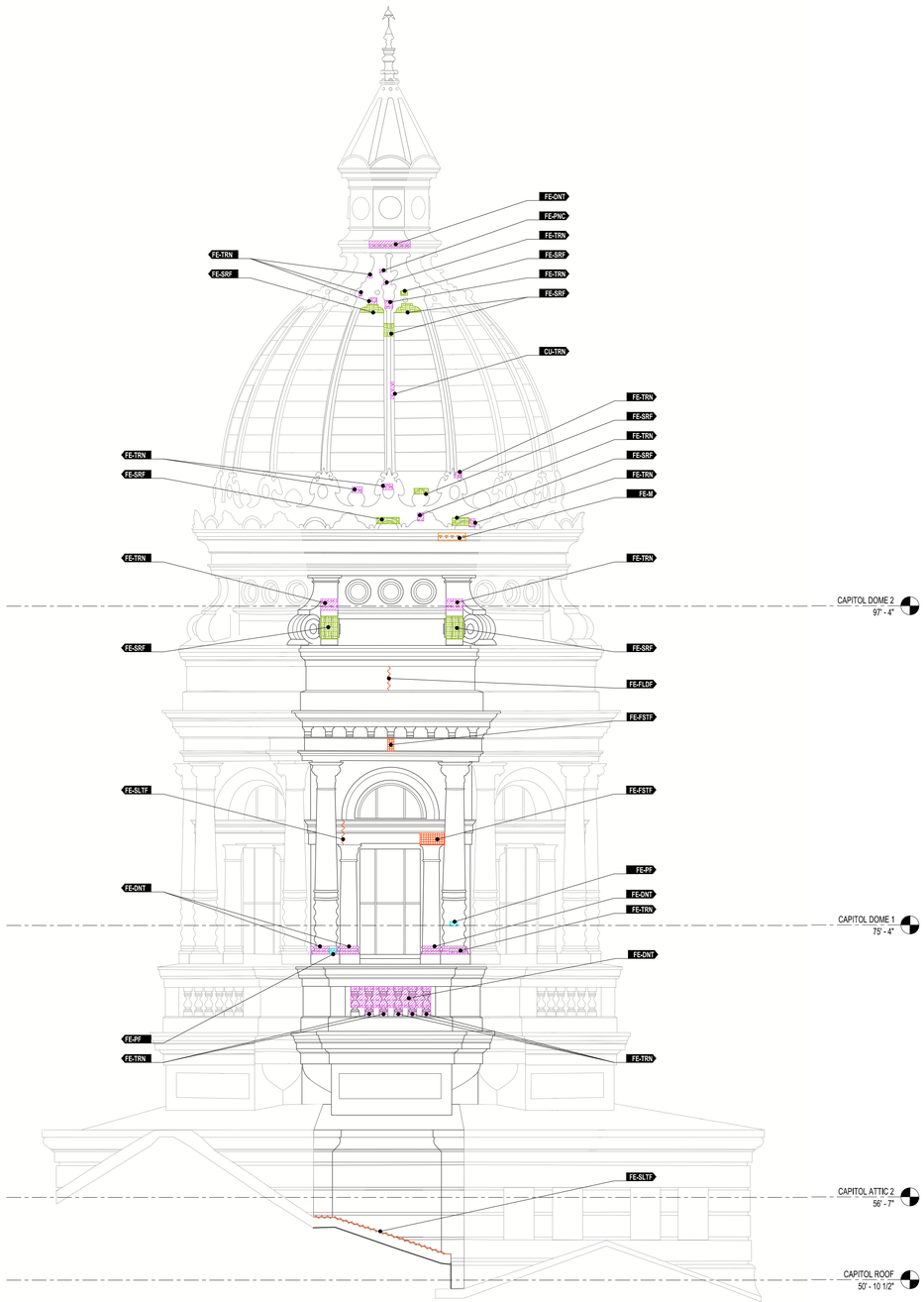


B6 SOUTH DOME ELEVATION

1/4" = 1'-0"

3'-0" 1'-0"

4'-0" 2'-0" 0 4'-0" 8'-0" 16'-0"



B4 SOUTHEAST DOME ELEVATION

1/4" = 1'-0"

3'-0" 1'-0"

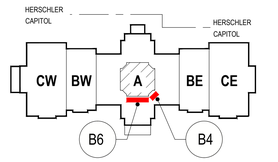
4'-0" 2'-0" 0 4'-0" 8'-0" 16'-0"

GENERAL NOTES

CONSTRUCTION KEYNOTES

GRAPHIC LEGEND

KEY PLAN



KEY - EXTERIOR CONDITION ANNOTATION AT DOME

MATERIAL ABBREVIATION — CONDITION ABBREVIATION

FE-FSTF

MATERIAL

ABBREVIATION	MATERIAL
CU	COPPER
FE	IRON

CONDITION

HATCH	ABBREVIATION	CONDITION
CRACKS		
	C	CRACKING
SEAMS		
	FSTF	FASTENER FAILED
	FLDF	FOLDED SEAM FAILED
	SLDF	SOLDER FAILED
	SLTF	SEALANT FAILED
	SLFS	SEALANT APPLIED TO FAILED SEAM
	SLFF	SEALANT APPLIED TO FAILED FASTENER
SURFACE		
	CTF	COATING FAILED
	SRF	CORROSION ON SURFACE
	PRF	CORROSION PERFORATING SURFACE
	WTHR	WEATHERED
DEFORMATION		
	DNT	DENTED
	PNC	PUNCTURED
	TRN	TORN
PREVIOUS REPAIRS		
	P	EXISTING SOUND PATCH REPAIR
	PF	EXISTING FAILED PATCH REPAIR
UNSECURED		
	L	LOOSE
	M	MISSING
SOILING		
	GU	GUANO

State of Wyoming

Administration & Information Technology

Capitol Square Rehabilitation and Restoration

State of Wyoming A&I Construction Management

HDR PDP PLAN

PRELIMINARY NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION
1	2014/12/19	SD OWNER REVIEW

PROJECT NUMBER	203619
ORIGINAL ISSUE	- -
PKG. IDENTIFIER	2

EXTERIOR CONDITION DOME ELEVATIONS

SCALE AS NOTED

2AF211

Schematic Design

P:\13.001 - Wyoming State Capitol\07 - Drawings\07_01 CADD Drawings\02_As-Found Conditions\02AF210s_Exterior Conditions ELEVATIONS Dome.dwg
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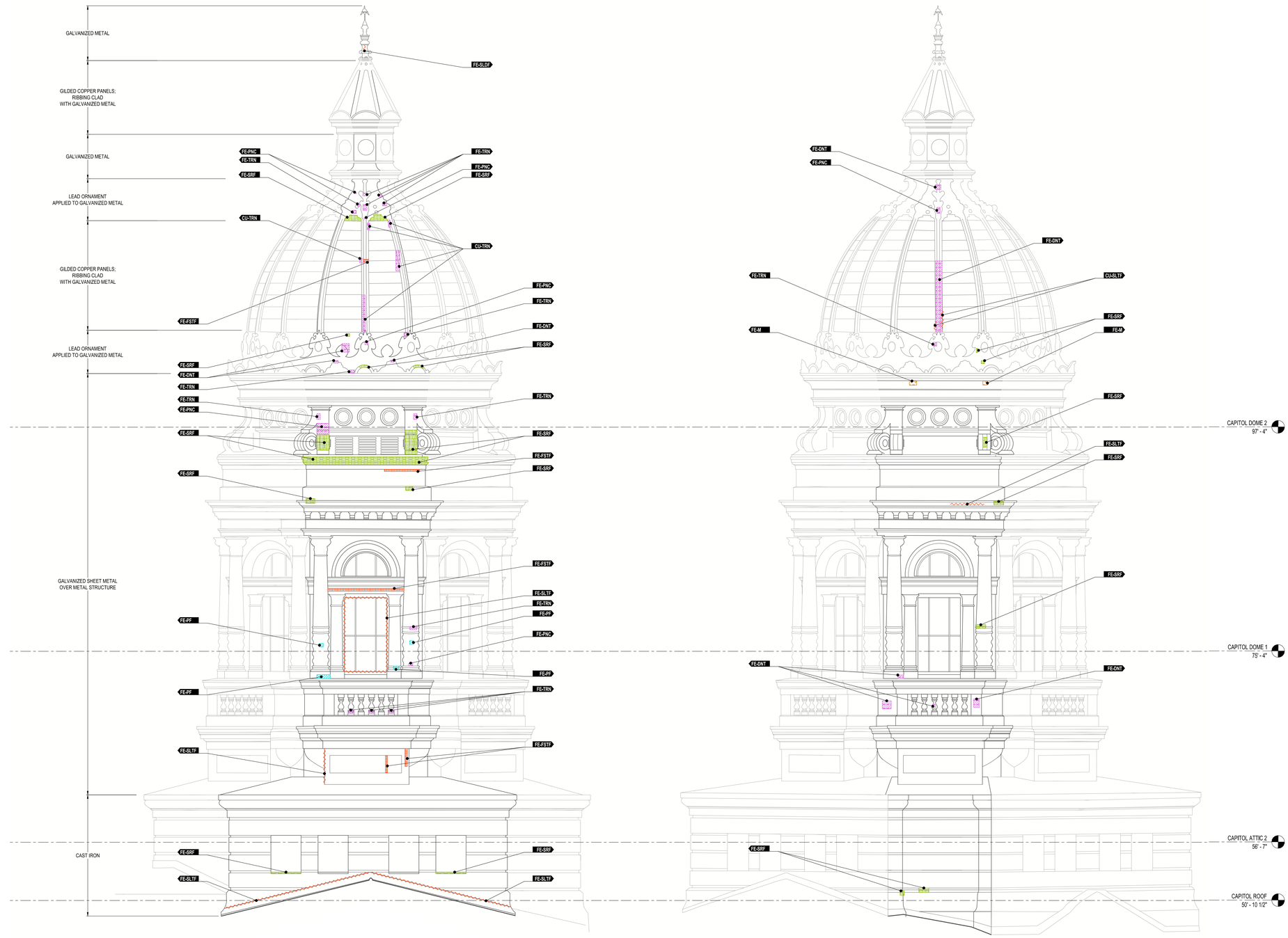


B6 EAST DOME ELEVATION
1/4" = 1'-0"

3'-0" 1'-0"
4'-0" 2'-0" 0 4'-0" 8'-0" 16'-0"

B4 NORTHEAST DOME ELEVATION
1/4" = 1'-0"

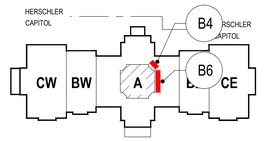
3'-0" 1'-0"
4'-0" 2'-0" 0 4'-0" 8'-0" 16'-0"

GENERAL NOTES

CONSTRUCTION KEYNOTES

GRAPHIC LEGEND

KEY PLAN



KEY - EXTERIOR CONDITION ANNOTATION AT DOME

MATERIAL ABBREVIATION — CONDITION ABBREVIATION (e.g. FE-FSTF)

MATERIAL

ABBREVIATION	MATERIAL
CU	COPPER
FE	IRON

CONDITION

HATCH	ABBREVIATION	CONDITION
CRACKS		
	C	CRACKING
SEAMS		
	FSTF	FASTENER FAILED
	FLDF	FOLDED SEAM FAILED
	SLDF	SOLDER FAILED
	SLTF	SEALANT FAILED
	SLFS	SEALANT APPLIED TO FAILED SEAM
	SLFF	SEALANT APPLIED TO FAILED FASTENER
SURFACE		
	CTF	COATING FAILED
	SRF	CORROSION ON SURFACE
	PRF	CORROSION PERFORATING SURFACE
	WTHR	WEATHERED
DEFORMATION		
	DNT	DENTED
	PNC	PUNCTURED
	TRN	TORN
PREVIOUS REPAIRS		
	P	EXISTING SOUND PATCH REPAIR
	PF	EXISTING FAILED PATCH REPAIR
UNSECURED		
	L	LOOSE
	M	MISSING
SOILING		
	GU	GUANO

State of Wyoming

Administration & Information
Construction Management

Capitol Square
Rehabilitation and Restoration
State of Wyoming A&I Construction Management

HDR PDP PLAN

PRELIMINARY
NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION
1	2014/12/19	SD OWNER REVIEW

PROJECT NUMBER	203619
ORIGINAL ISSUE	- -
PKG. IDENTIFIER	2

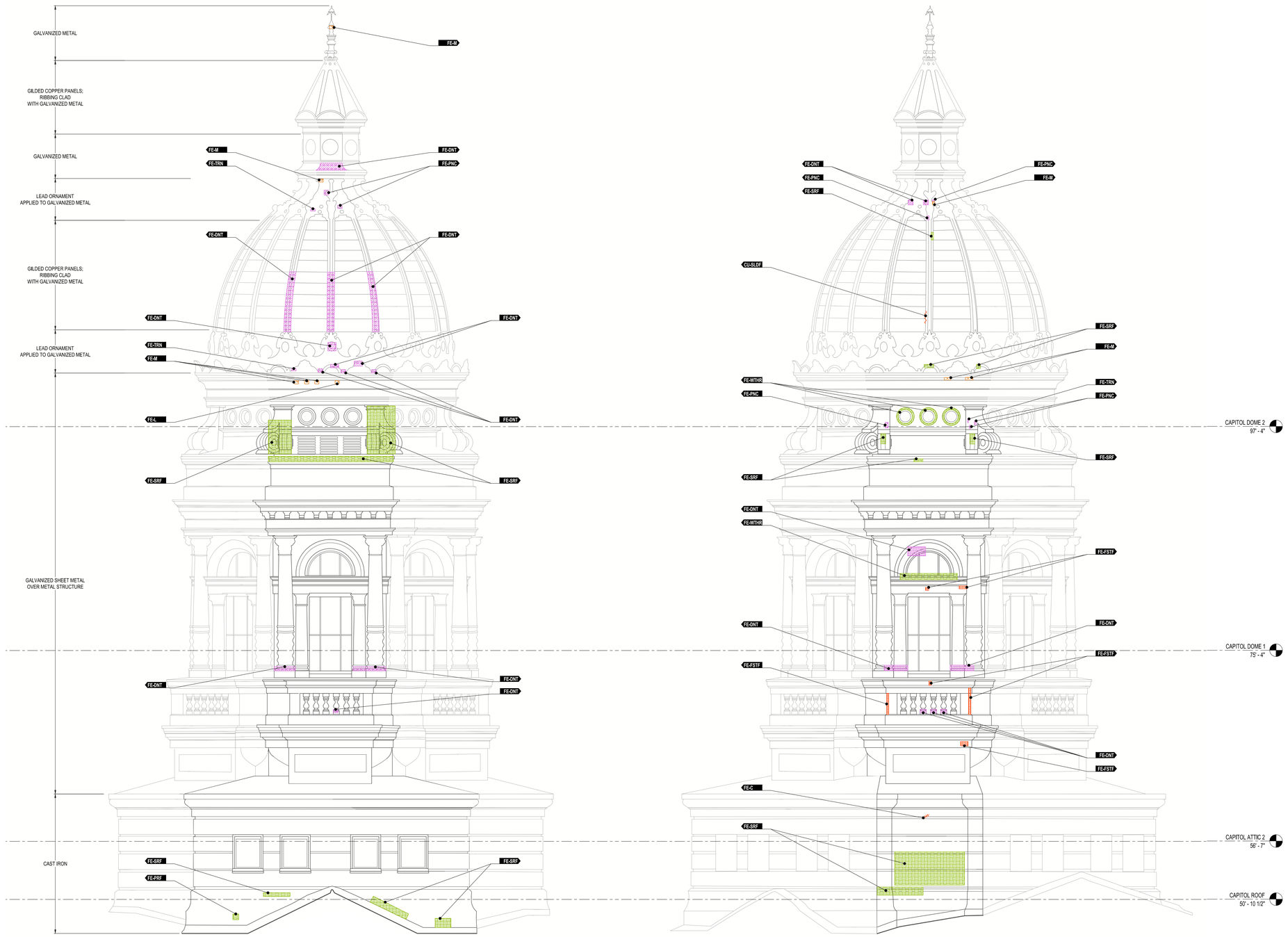
EXTERIOR CONDITION DOME ELEVATIONS

SCALE: AS NOTED

2AF212

Schematic Design

P:\13.001_Wyoming State Capitol\07_Drawings\07_01_CADD Drawings\02_As-Found Conditions\2AF210s_Exterior Conditions ELEVATIONS Dome.dwg
12/15/2014 9:08:58 AM



B6 NORTH DOME ELEVATION
1/4" = 1'-0"

3'-0" 1'-0"
4'-0" 2'-0" 0 4'-0" 8'-0" 16'-0"

B3 NORTHWEST DOME ELEVATION
1/4" = 1'-0"

3'-0" 1'-0"
4'-0" 2'-0" 0 4'-0" 8'-0" 16'-0"

KEY - EXTERIOR CONDITION ANNOTATION AT DOME

MATERIAL ABBREVIATION — CONDITION ABBREVIATION
FE-FSTF

MATERIAL

ABBREVIATION	MATERIAL
CU	COPPER
FE	IRON

CONDITION

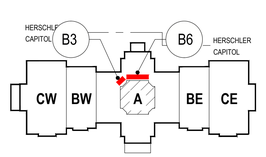
HATCH	ABBREVIATION	CONDITION
CRACKS		
	C	CRACKING
SEAMS		
	FSTF	FASTENER FAILED
	FLDF	FOLDED SEAM FAILED
	SLDF	SOLDER FAILED
	SLTF	SEALANT FAILED
	SLFS	SEALANT APPLIED TO FAILED SEAM
	SLFF	SEALANT APPLIED TO FAILED FASTENER
SURFACE		
	CTF	COATING FAILED
	SRF	CORROSION ON SURFACE
	PRF	CORROSION PERFORATING SURFACE
	WTHR	WEATHERED
DEFORMATION		
	DNT	DENTED
	PNC	PUNCTURED
	TRN	TORN
PREVIOUS REPAIRS		
	P	EXISTING SOUND PATCH REPAIR
	PF	EXISTING FAILED PATCH REPAIR
UNSECURED		
	L	LOOSE
	M	MISSING
SOILING		
	GU	GUANO

GENERAL NOTES

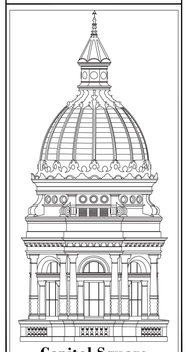
CONSTRUCTION KEYNOTES

GRAPHIC LEGEND

KEY PLAN



State of Wyoming
Administration & Information
Construction Management



Capitol Square
Rehabilitation and Restoration
State of Wyoming A&I Construction Management

HDR PDP PLANT

PRELIMINARY
NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION
1	2014/12/19	SD OWNER REVIEW

PROJECT NUMBER	203619
ORIGINAL ISSUE	- -
PKG. IDENTIFIER	2

EXTERIOR CONDITION DOME ELEVATIONS

SCALE	AS NOTED

2AF213

Schematic Design

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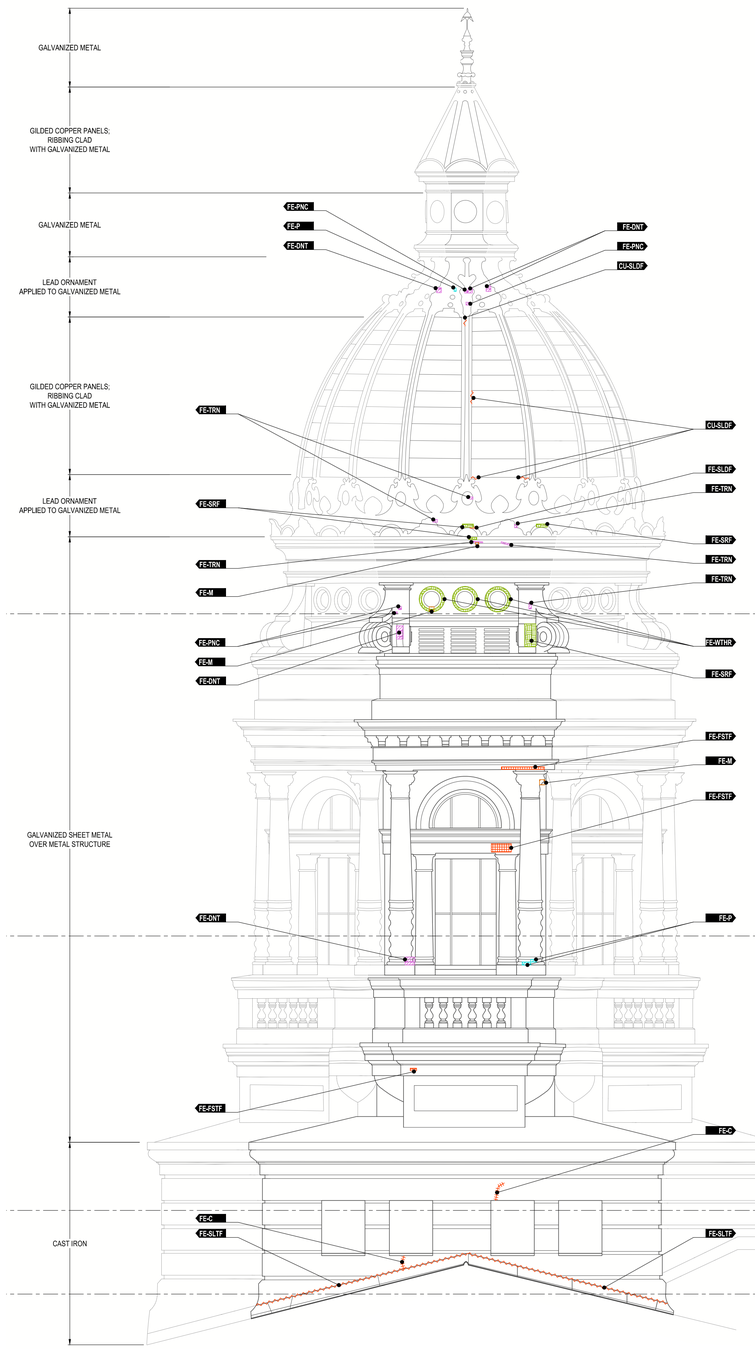
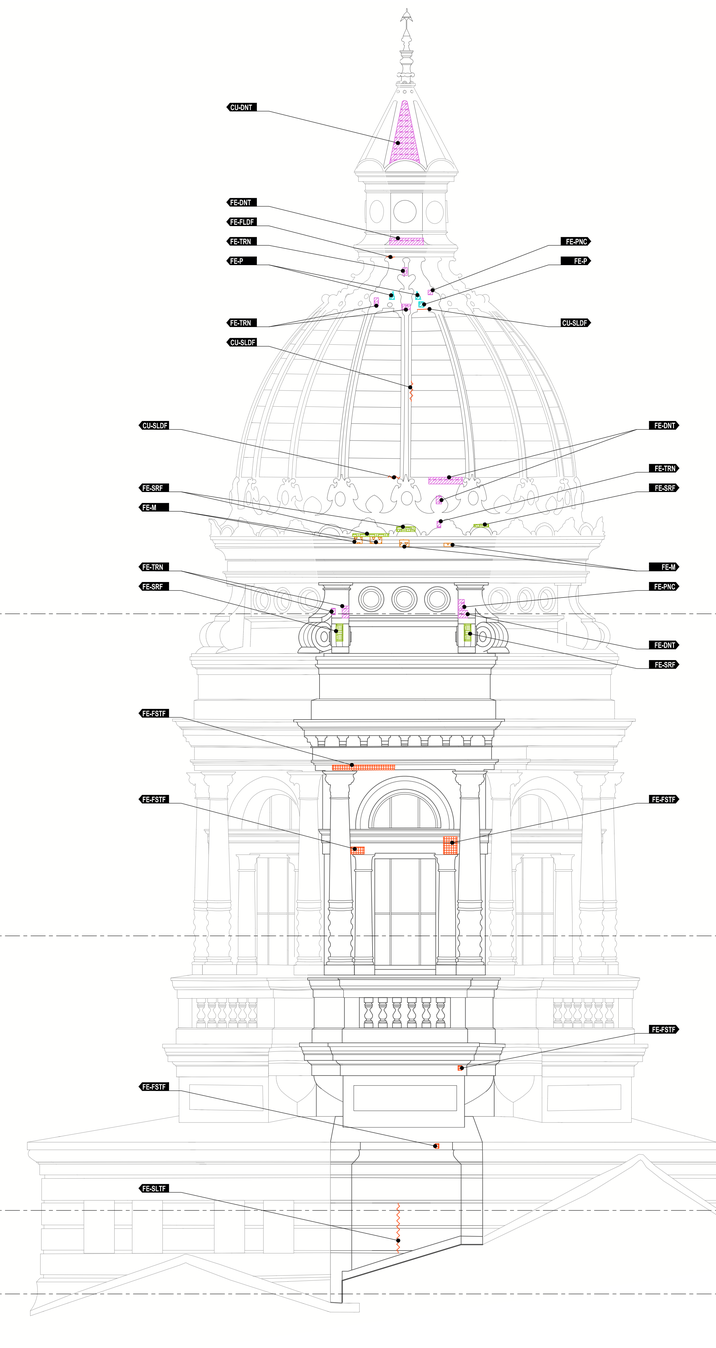


B6 WEST DOME ELEVATION
1/4" = 1'-0"

3'-0" 1'-0"
4'-0" 2'-0" 0 4'-0" 8'-0" 16'-0"



B3 SOUTHWEST DOME ELEVATION
1/4" = 1'-0"

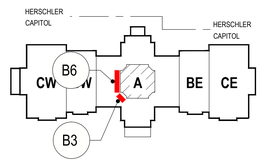
3'-0" 1'-0"
4'-0" 2'-0" 0 4'-0" 8'-0" 16'-0"

GENERAL NOTES

CONSTRUCTION KEYNOTES

GRAPHIC LEGEND

KEY PLAN



KEY - EXTERIOR CONDITION ANNOTATION AT DOME

MATERIAL ABBREVIATION — CONDITION ABBREVIATION
FE-FSTF

MATERIAL

ABBREVIATION	MATERIAL
CU	COPPER
FE	IRON

CONDITION

HATCH	ABBREVIATION	CONDITION
CRACKS		
	C	CRACKING
SEAMS		
	FSTF	FASTENER FAILED
	FLDF	FOLDED SEAM FAILED
	SLDF	SOLDER FAILED
	SLTF	SEALANT FAILED
	SLFS	SEALANT APPLIED TO FAILED SEAM
	SLFF	SEALANT APPLIED TO FAILED FASTENER
SURFACE		
	CTF	COATING FAILED
	SRF	CORROSION ON SURFACE
	PRF	CORROSION PERFORATING SURFACE
	WTHR	WEATHERED
DEFORMATION		
	DNT	DENTED
	PNC	PUNCTURED
	TRN	TORN
PREVIOUS REPAIRS		
	P	EXISTING SOUND PATCH REPAIR
	PF	EXISTING FAILED PATCH REPAIR
UNSECURED		
	L	LOOSE
	M	MISSING
SOILING		
	GU	GUANO

State of Wyoming
Administration & Information
Construction Management

Capitol Square
Rehabilitation and Restoration
State of Wyoming A&I Construction Management

HDR PDP PLAN ARCHITECT

PRELIMINARY
NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION
1	2014/12/19	SD OWNER REVIEW

PROJECT NUMBER	203619
ORIGINAL ISSUE	- -
PKG. IDENTIFIER	2

EXTERIOR CONDITION DOME ELEVATIONS

SCALE: AS NOTED

2AF214

Schematic Design

P:\13.001_Wyoming State Capitol\07_Drawings\07_01_CADD Drawings\02_As-Found Conditions\2AF210s_Exterior Conditions ELEVATIONS Dome.dwg
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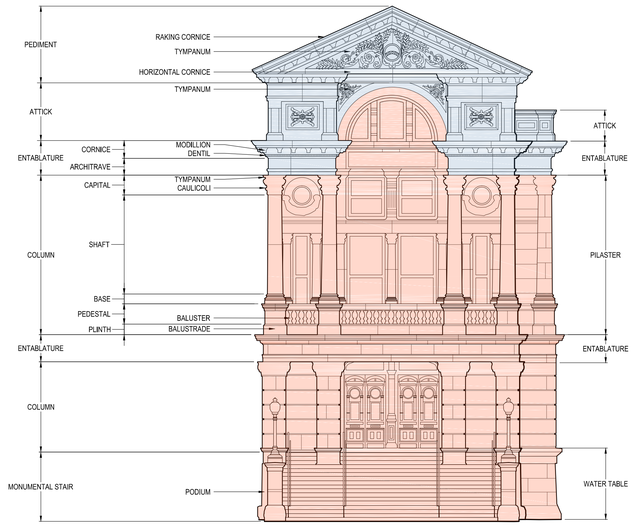
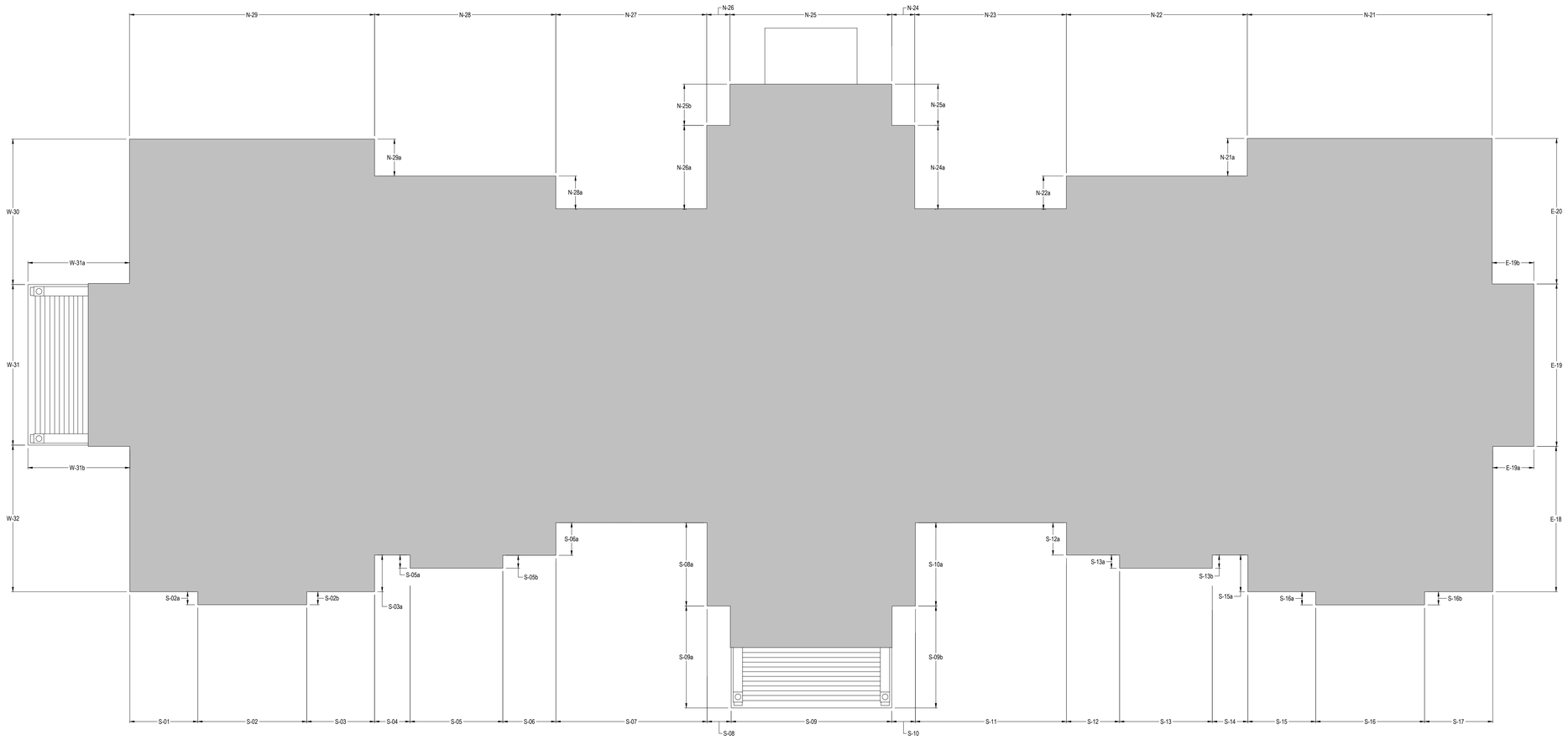


5E ELEVATION NOMENCLATURE DIAGRAM

3/32" = 1'-0"



5B KEY PLAN - BAYS AND RETURNS

3/32" = 1'-0"

GALVANIZED METAL LOCATION KEY

SHEET	BAY NUMBER
2AF216	BAYS S-01 - S-06
2AF217	BAYS S-07 - S-11
2AF218	BAYS S-12 - S-17
2AF219	RETURNS S-02a - S-16b
2AF220	BAYS E-18 - E-20
2AF221	RETURNS E-19a - E-19b
2AF222	BAYS N-21 - N-22
2AF223	BAYS N-23 - N-27
2AF224	BAYS N-28 - N-29
2AF225	RETURNS N-25b - N-29a
2AF226	BAYS W-30 - W-32
2AF227	BAYS W-31a - W-31b

CORNICE PLAN LOCATION KEY

SHEET	BAY NUMBER
2AF228	UPPER CORNICE S-10a - S-17
	UPPER CORNICE S-08 - S-10
	UPPER CORNICE S-01 - S-08a
2AF229	UPPER CORNICE W-30 - W-32
	UPPER CORNICE E-18 - E-20
2AF230	UPPER CORNICE N-26a - N-29
	UPPER CORNICE N-24 - N-26
	UPPER CORNICE N-21 - N-24a
2AF231	LOWER CORNICE S-10a - S-17
	LOWER CORNICE S-08 - S-10
	LOWER CORNICE S-01 - S-08a
2AF232	LOWER CORNICE W-30 - W-32
	LOWER CORNICE E-18 - E-20
2AF233	LOWER CORNICE N-26a - N-29
	LOWER CORNICE N-24 - N-26
	LOWER CORNICE N-21 - N-24a

BAY/RETURN ELEVATION LOCATION KEY

SHEET	BAY NUMBER
2AF234	BAYS S-01 - S-04
2AF235	BAYS S-05 - S-08
2AF236	BAYS S-09 - S-12
2AF237	BAYS S-13 - S-17
2AF238	RETURNS S-02a - S-06a
2AF239	RETURNS S-08a - S-10a
2AF240	RETURNS S-12a - S-16b
2AF241	BAYS E-18 - E-20
2AF242	RETURNS E-19a - E-19b
2AF243	BAYS N-21 - N-22
2AF244	BAYS N-23 - N-25
2AF245	BAYS N-26 - N-28
2AF246	BAY N-29
2AF247	RETURNS N-21a - N-25a
2AF248	RETURNS N-25b - N-29a
2AF249	BAYS W-30 - W-32
2AF250	RETURNS W-31a - W-31b

MATERIAL

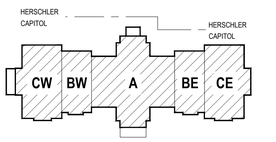
HATCH	MATERIAL
	GALVANIZED SHEET METAL
	SANDSTONE

GENERAL NOTES

CONSTRUCTION KEYNOTES

GRAPHIC LEGEND

KEY PLAN



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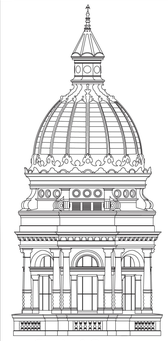
State of Wyoming

Administration & Information
Construction Management



Capitol Square
Rehabilitation and Restoration
State of Wyoming A&I Construction Management

HDR PDP RAM

PRELIMINARY
NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION
1	2014/12/19	SD OWNER REVIEW

PROJECT NUMBER	203619
ORIGINAL ISSUE	- - -
PKG. IDENTIFIER	2

EXTERIOR CONDITION KEY PLAN - EXTERIOR ELEVATIONS

SCALE	AS NOTED

2AF215

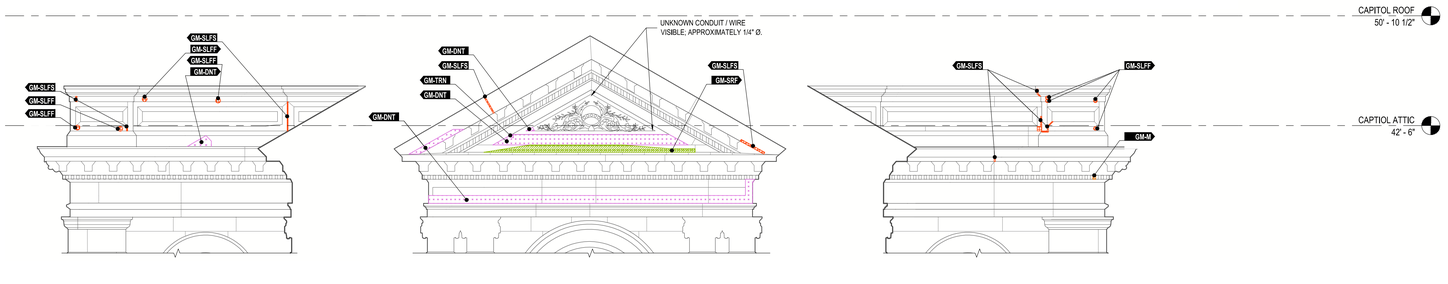
Schematic Design

KEY - EXTERIOR CONDITION ANNOTATION AT METAL WORK

	ABBREVIATION	MATERIAL
	GM	GALVANIZED METAL

CONDITION

HATCH	ABBREVIATION	CONDITION
CRACKS		
	C	CRACKING
SEAMS		
	FSTF	FASTENER FAILED
	FLDF	FOLDED SEAM FAILED
	SLDF	SOLDER FAILED
	SLTF	SEALANT FAILED
	SLFS	SEALANT APPLIED TO FAILED SEAM
	SLFF	SEALANT APPLIED TO FAILED FASTENER
SURFACE		
	CTF	COATING FAILED
	SRF	CORROSION ON SURFACE
	PRF	CORROSION PERFORATING SURFACE
	WTHR	WEATHERED
DEFORMATION		
	DNT	DENTED
	PNC	PUNCTURED
	TRN	TORN
PREVIOUS REPAIRS		
	P	EXISTING SOUND PATCH REPAIR
	PF	EXISTING FAILED PATCH REPAIR
UNSECURED		
	L	LOOSE
	M	MISSING



C6 BAY S-01 — 1/4" = 1'-0"

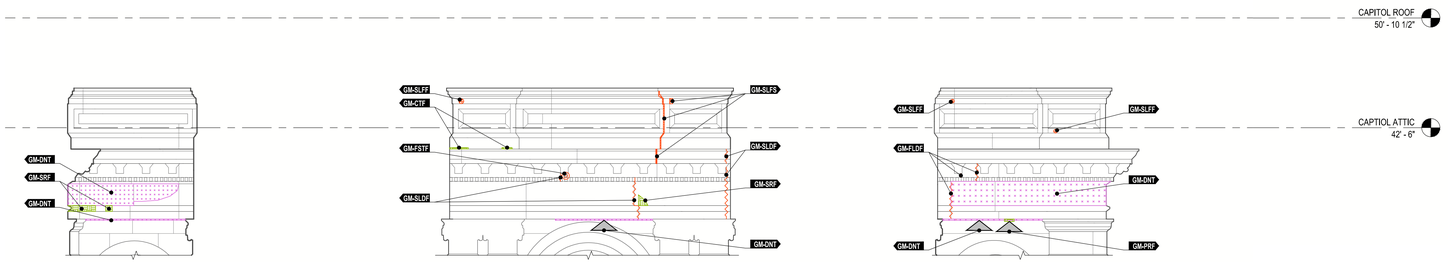
3'-0" 1'-0"
4'-0" 2'-0" 0 4'-0" 8'-0" 16'-0"

C5 BAY S-02 — 1/4" = 1'-0"

3'-0" 1'-0"
4'-0" 2'-0" 0 4'-0" 8'-0" 16'-0"

C3 BAY S-03 — 1/4" = 1'-0"

3'-0" 1'-0"
4'-0" 2'-0" 0 4'-0" 8'-0" 16'-0"



B6 BAY S-04 — 1/4" = 1'-0"

3'-0" 1'-0"
4'-0" 2'-0" 0 4'-0" 8'-0" 16'-0"

B5 BAY S-05 — 1/4" = 1'-0"

3'-0" 1'-0"
4'-0" 2'-0" 0 4'-0" 8'-0" 16'-0"

B3 BAY S-06 — 1/4" = 1'-0"

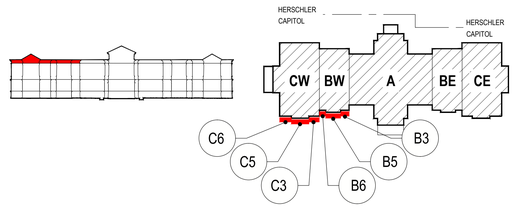
3'-0" 1'-0"
4'-0" 2'-0" 0 4'-0" 8'-0" 16'-0"

GENERAL NOTES

CONSTRUCTION KEYNOTES

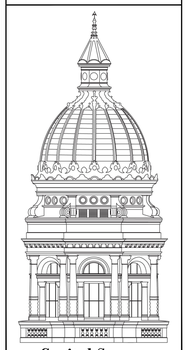
GRAPHIC LEGEND

KEY PLAN



State of Wyoming

Administration & Information
Construction Management



Capitol Square
Rehabilitation and Restoration
State of Wyoming A&I Construction Management

HDR PDP PLAN ARCHITECT

PRELIMINARY
NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION
1	2014/12/19	SD OWNER REVIEW

PROJECT NUMBER	203019
ORIGINAL ISSUE	- -
PKG. IDENTIFIER	2

EXTERIOR CONDITION GALVANIZED METAL SOUTHWEST ELEVATION BAYS

SCALE: AS NOTED

2AF216

Schematic Design

P:\13.00\ Wyoming State Capitol\07 Drawings\07_01_CADD Drawings\02_As-Found Conditions\2AF216s_Exterior Conditions ELEVATIONS South METAL.dwg
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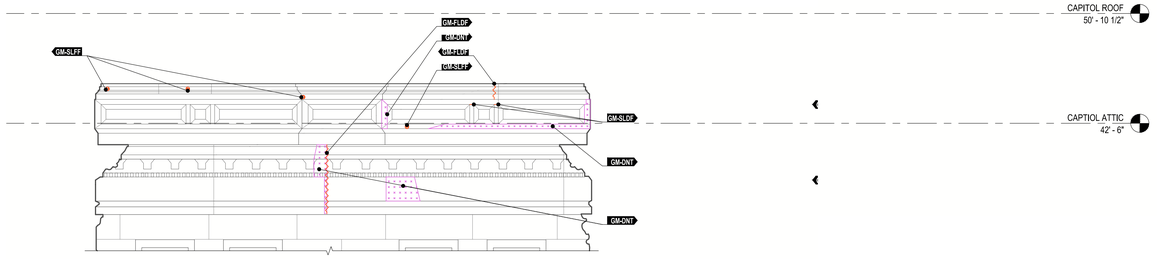
KEY - EXTERIOR CONDITION ANNOTATION AT METAL WORK

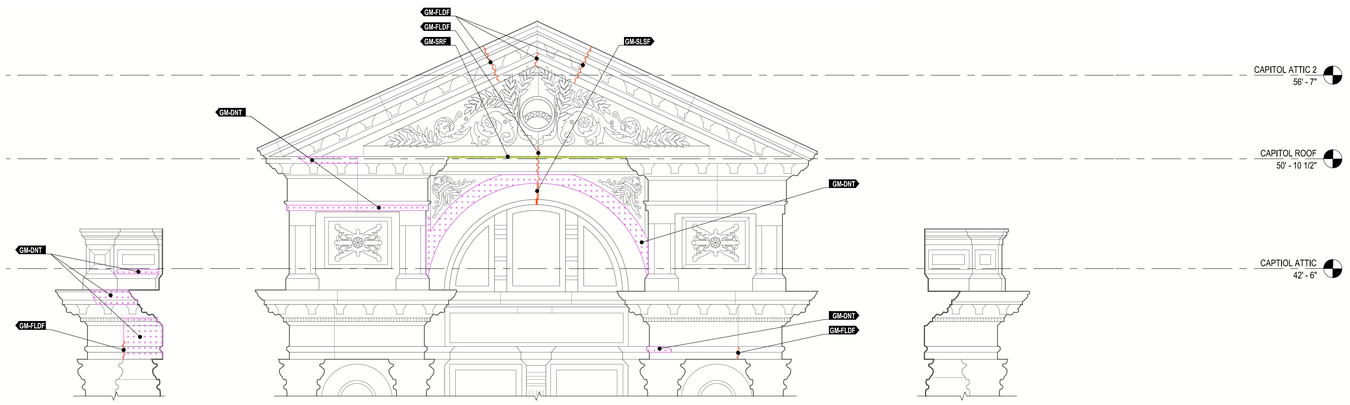
	ABBREVIATION	MATERIAL
	GM	GALVANIZED METAL

CONDITION

HATCH	ABBREVIATION	CONDITION
CRACKS		
	C	CRACKING
SEAMS		
	FSTF	FASTENER FAILED
	FLDF	FOLDED SEAM FAILED
	SLDF	SOLDER FAILED
	SLTF	SEALANT FAILED
	SLFS	SEALANT APPLIED TO FAILED SEAM
	SLFF	SEALANT APPLIED TO FAILED FASTENER
SURFACE		
	CTF	COATING FAILED
	SRF	CORROSION ON SURFACE
	PRF	CORROSION PERFORATING SURFACE
	WTHR	WEATHERED
DEFORMATION		
	DNT	DENTED
	PNC	PUNCTURED
	TRN	TORN
PREVIOUS REPAIRS		
	P	EXISTING SOUND PATCH REPAIR
	PF	EXISTING FAILED PATCH REPAIR
UNSECURED		
	L	LOOSE
	M	MISSING



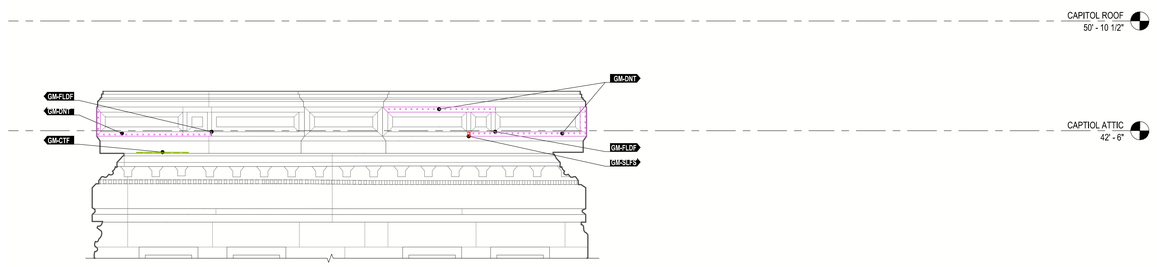
E4 BAY S-07
1/4" = 1'-0"



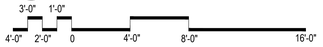
C6 BAY S-08
1/4" = 1'-0"

C4 BAY S-09
1/4" = 1'-0"

C3 BAY S-10
1/4" = 1'-0"



B4 BAY S-11
1/4" = 1'-0"

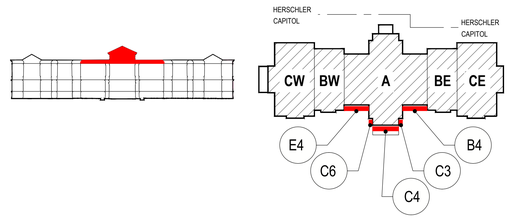


GENERAL NOTES

CONSTRUCTION KEYNOTES

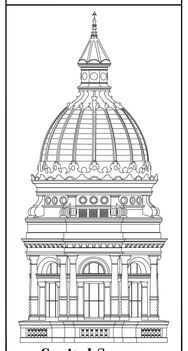
GRAPHIC LEGEND

KEY PLAN



State of Wyoming

Administration & Information
Construction Management



Capitol Square
Rehabilitation and Restoration
State of Wyoming A&I Construction Management

HDR PDP PLAN ARCHITECT

PRELIMINARY
NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION
1	2014/12/19	SD OWNER REVIEW

PROJECT NUMBER	203019
ORIGINAL ISSUE	- -
PKG. IDENTIFIER	2

EXTERIOR CONDITION GALVANIZED METAL SOUTH-CENTER ELEVATION BAYS

SCALE: AS NOTED

2AF217

Schematic Design

P:\13.001 Wyoming State Capitol\07 Drawings\07_01_CADD Drawings\02_As-Found Conditions\2AF210s_Exterior Conditions ELEVATIONS South METAL.dwg
12/15/2014 9:09:18 AM

KEY - EXTERIOR CONDITION ANNOTATION AT METAL WORK

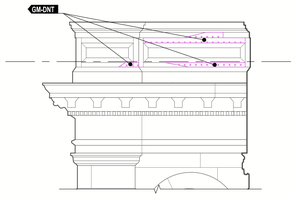
	ABBREVIATION	MATERIAL
	GM	GALVANIZED METAL

CONDITION

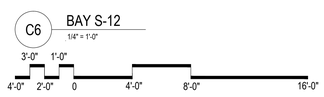
HATCH	ABBREVIATION	CONDITION
CRACKS		
	C	CRACKING
SEAMS		
	FSTF	FASTENER FAILED
	FLDF	FOLDED SEAM FAILED
	SLDF	SOLDER FAILED
	SLTF	SEALANT FAILED
	SLFS	SEALANT APPLIED TO FAILED SEAM
	SLFF	SEALANT APPLIED TO FAILED FASTENER
SURFACE		
	CTF	COATING FAILED
	SRF	CORROSION ON SURFACE
	PRF	CORROSION PERFORATING SURFACE
	WTHR	WEATHERED
DEFORMATION		
	DNT	DENTED
	PNC	PUNCTURED
	TRN	TORN
PREVIOUS REPAIRS		
	P	EXISTING SOUND PATCH REPAIR
	PF	EXISTING FAILED PATCH REPAIR
UNSECURED		
	L	LOOSE
	M	MISSING

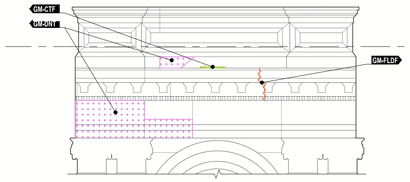
CAPITOL ROOF 50' - 10 1/2"

CAPTIOL ATTIC 42' - 6"

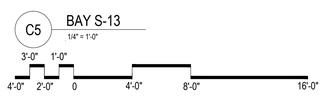


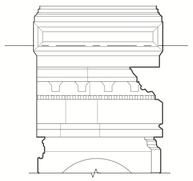
C6 BAY S-12
1/4" = 1'-0"



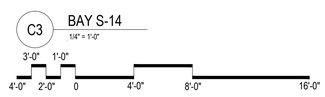


C5 BAY S-13
1/4" = 1'-0"



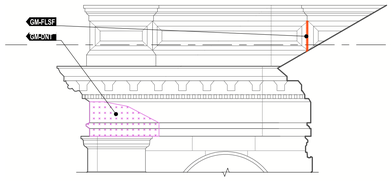


C3 BAY S-14
1/4" = 1'-0"

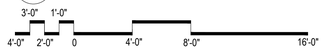


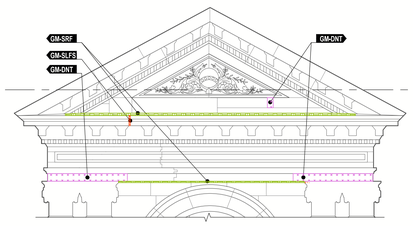
CAPITOL ROOF 50' - 10 1/2"

CAPTIOL ATTIC 42' - 6"

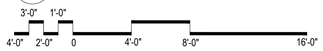


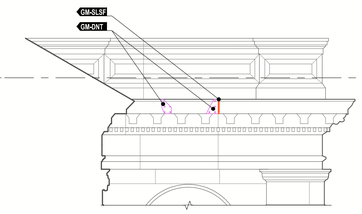
B6 BAY S-15
1/4" = 1'-0"



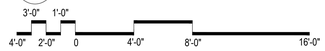


B5 BAY S-16
1/4" = 1'-0"





B3 BAY S-17
1/4" = 1'-0"

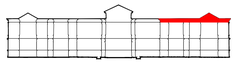


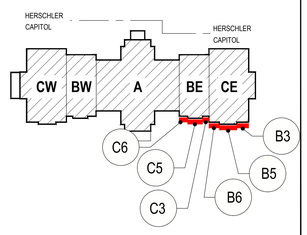
GENERAL NOTES

CONSTRUCTION KEYNOTES

GRAPHIC LEGEND

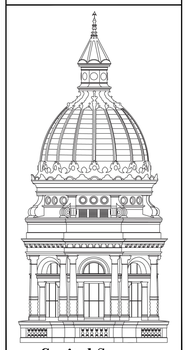
KEY PLAN





State of Wyoming

Administration & Information
Construction Management



Capitol Square
Rehabilitation and Restoration
State of Wyoming A&I Construction Management

HDR PDP PLAN

PRELIMINARY
NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION
1	2014/12/19	SD OWNER REVIEW

PROJECT NUMBER	203619
ORIGINAL ISSUE	- -
PKG. IDENTIFIER	2

EXTERIOR CONDITION GALVANIZED METAL SOUTHEAST ELEVATION BAYS

SCALE AS NOTED

2AF218

Schematic Design

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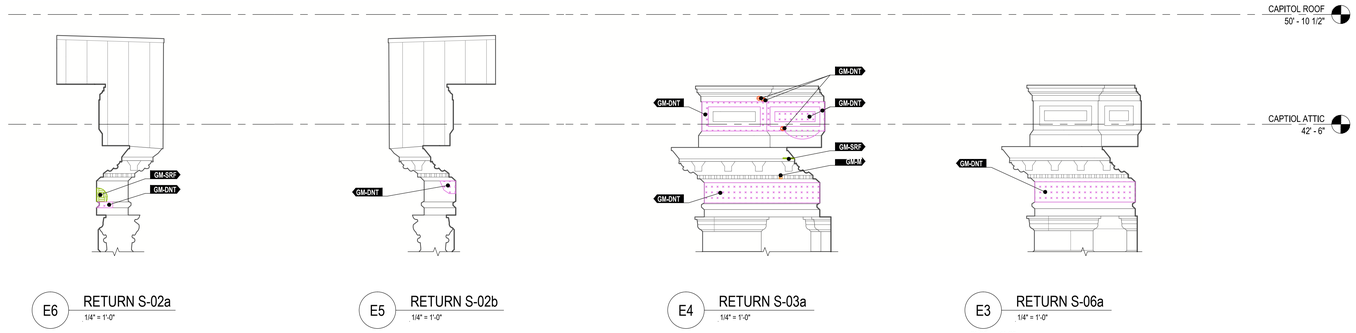
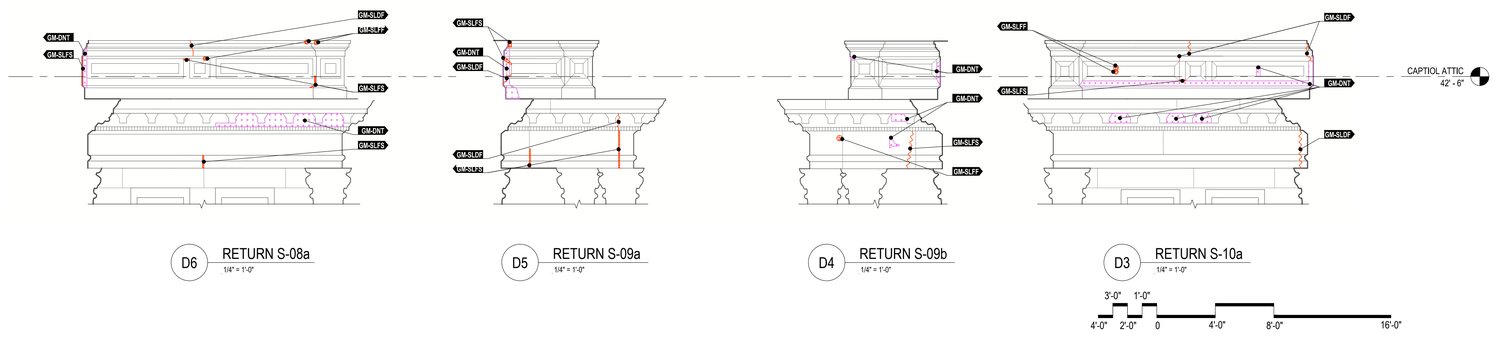


E6 RETURN S-02a
1/4" = 1'-0"

E5 RETURN S-02b
1/4" = 1'-0"

E4 RETURN S-03a
1/4" = 1'-0"

E3 RETURN S-06a
1/4" = 1'-0"

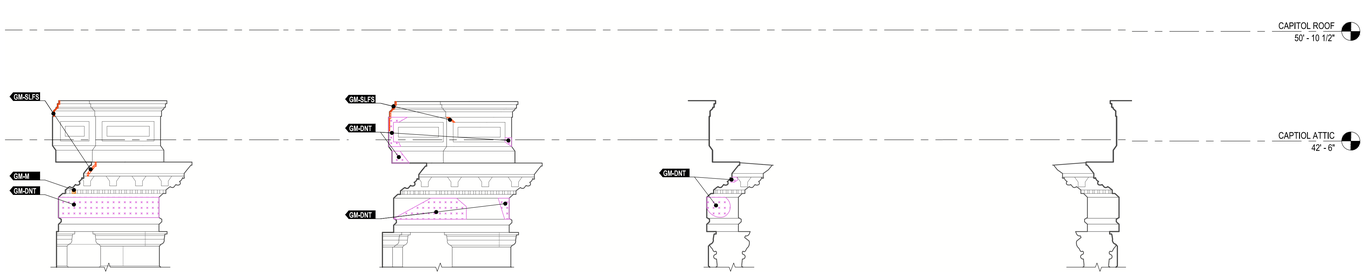


D6 RETURN S-08a
1/4" = 1'-0"

D5 RETURN S-09a
1/4" = 1'-0"

D4 RETURN S-09b
1/4" = 1'-0"

D3 RETURN S-10a
1/4" = 1'-0"



B6 RETURN S-12a
1/4" = 1'-0"

B5 RETURN S-15a
1/4" = 1'-0"

B4 RETURN S-16a
1/4" = 1'-0"

B3 RETURN S-16b
1/4" = 1'-0"

KEY - EXTERIOR CONDITION ANNOTATION AT METAL WORK

	ABBREVIATION	MATERIAL
	GM	GALVANIZED METAL

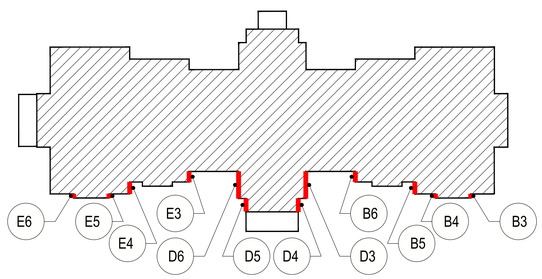
CONDITION

HATCH	ABBREVIATION	CONDITION
CRACKS		
	C	CRACKING
SEAMS		
	FSTF	FASTENER FAILED
	FLDF	FOLDED SEAM FAILED
	SLDF	SOLDER FAILED
	SLTF	SEALANT FAILED
	SLFS	SEALANT APPLIED TO FAILED SEAM
	SLFF	SEALANT APPLIED TO FAILED FASTENER
SURFACE		
	CTF	COATING FAILED
	SRF	CORROSION ON SURFACE
	PRF	CORROSION PERFORATING SURFACE
	WTHR	WEATHERED
DEFORMATION		
	DNT	DENTED
	PNC	PUNCTURED
	TRN	TORN
PREVIOUS REPAIRS		
	P	EXISTING SOUND PATCH REPAIR
	PF	EXISTING FAILED PATCH REPAIR
UNSECURED		
	L	LOOSE
	M	MISSING

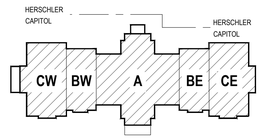
GENERAL NOTES

CONSTRUCTION KEYNOTES

GRAPHIC LEGEND

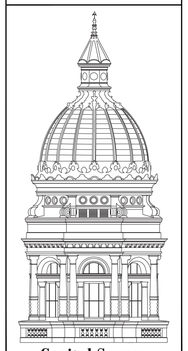


KEY PLAN



State of Wyoming

Administration & Information
Construction Management



Capitol Square
Rehabilitation and Restoration
State of Wyoming A&I Construction Management

HDR PDP RLM DESIGNERS

PRELIMINARY
NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION
1	2014/12/19	SD OWNER REVIEW

PROJECT NUMBER	203619
ORIGINAL ISSUE	- -
PKG. IDENTIFIER	2

EXTERIOR CONDITION GALVANIZED METAL SOUTH ELEVATION RETURNS

SCALE: AS NOTED

2AF219

Schematic Design

P:\13.001 Wyoming State Capitol\07 Drawings\07_01_CADD Drawings\02_As-Found Conditions\2AF210s_Exterior Conditions ELEVATIONS South Returns METAL.dwg
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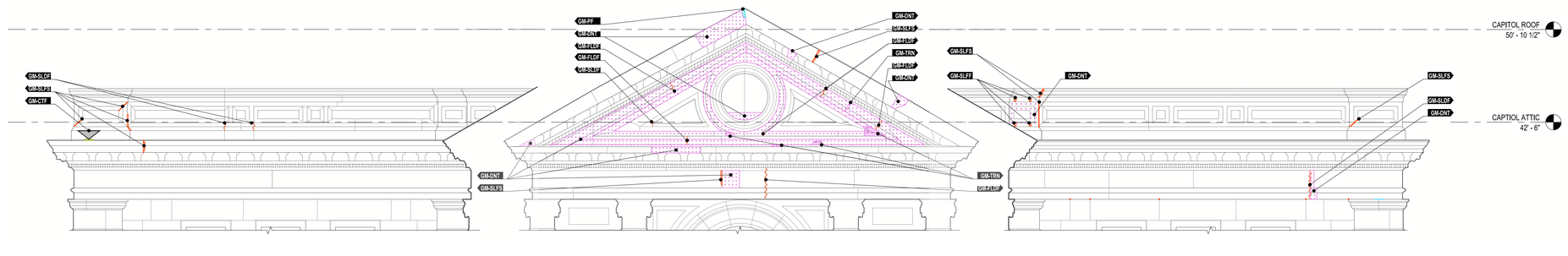
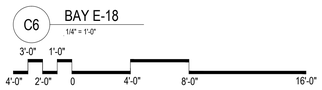
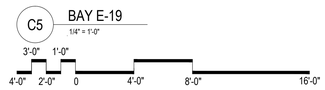


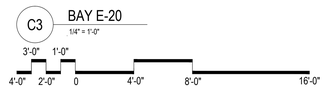
C6 BAY E-18
1/4" = 1'-0"



C5 BAY E-19
1/4" = 1'-0"



C3 BAY E-20
1/4" = 1'-0"



KEY - EXTERIOR CONDITION ANNOTATION AT METAL WORK

	ABBREVIATION	MATERIAL
	GM	GALVANIZED METAL

CONDITION

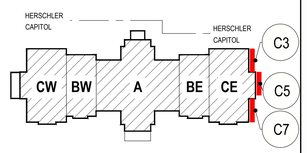
HATCH	ABBREVIATION	CONDITION
CRACKS		
	C	CRACKING
SEAMS		
	FSTF	FASTENER FAILED
	FLDF	FOLDED SEAM FAILED
	SLDF	SOLDER FAILED
	SLTF	SEALANT FAILED
	SLFS	SEALANT APPLIED TO FAILED SEAM
	SLFF	SEALANT APPLIED TO FAILED FASTENER
SURFACE		
	CTF	COATING FAILED
	SRF	CORROSION ON SURFACE
	PRF	CORROSION PERFORATING SURFACE
	WTHR	WEATHERED
DEFORMATION		
	DNT	DENTED
	PNC	PUNCTURED
	TRN	TORN
PREVIOUS REPAIRS		
	P	EXISTING SOUND PATCH REPAIR
	PF	EXISTING FAILED PATCH REPAIR
UNSECURED		
	L	LOOSE
	M	MISSING

GENERAL NOTES

CONSTRUCTION KEYNOTES

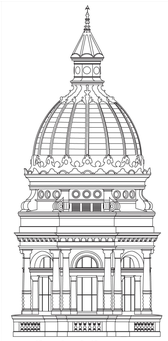
GRAPHIC LEGEND

KEY PLAN



State of Wyoming

Administration & Information
Construction Management



Capitol Square
Rehabilitation and Restoration
State of Wyoming A&I Construction Management

HDR PDP PLAN ARCHITECT

PRELIMINARY
NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION
1	2014/12/19	SD OWNER REVIEW

PROJECT NUMBER	203619
ORIGINAL ISSUE	- -
PKG. IDENTIFIER	2

EXTERIOR CONDITION GALVANIZED METAL EAST ELEVATION

SCALE: AS NOTED

2AF220

Schematic Design

P:\13.001 Wyoming State Capitol\07 Drawings\07_01_CADD Drawings\02_As-Found Conditions\2AF210s_Exterior Conditions ELEVATIONS East METAL.dwg
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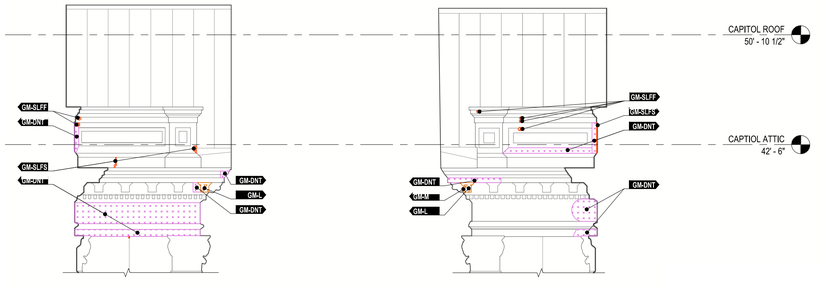
KEY - EXTERIOR CONDITION ANNOTATION AT METAL WORK

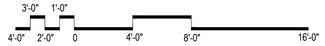
	ABBREVIATION	MATERIAL
	GM	GALVANIZED METAL

CONDITION

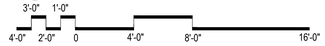
HATCH	ABBREVIATION	CONDITION
CRACKS		
	C	CRACKING
SEAMS		
	FSTF	FASTENER FAILED
	FLDF	FOLDED SEAM FAILED
	SLDF	SOLDER FAILED
	SLTF	SEALANT FAILED
	SLFS	SEALANT APPLIED TO FAILED SEAM
	SLFF	SEALANT APPLIED TO FAILED FASTENER
SURFACE		
	CTF	COATING FAILED
	SRF	CORROSION ON SURFACE
	PRF	CORROSION PERFORATING SURFACE
	WTHR	WEATHERED
DEFORMATION		
	DNT	DENTED
	PNC	PUNCTURED
	TRN	TORN
PREVIOUS REPAIRS		
	P	EXISTING SOUND PATCH REPAIR
	PF	EXISTING FAILED PATCH REPAIR
UNSECURED		
	L	LOOSE
	M	MISSING



C4 RETURN E-19a
1/4" = 1'-0"



C3 RETURN E-19b
1/4" = 1'-0"

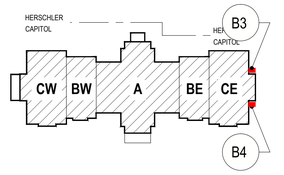


GENERAL NOTES

CONSTRUCTION KEYNOTES

GRAPHIC LEGEND

KEY PLAN



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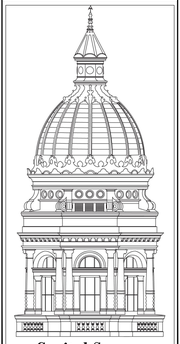
State of Wyoming

Administration & Information
Construction Management



Capitol Square
Rehabilitation and Restoration
State of Wyoming A&I Construction Management

HDR PDP PLAN

PRELIMINARY
NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION
1	2014/12/19	SD OWNER REVIEW

PROJECT NUMBER	203019
ORIGINAL ISSUE	- -
PKG. IDENTIFIER	2

EXTERIOR CONDITION GALVANIZED METAL EAST ELEVATION RETURNS

SCALE: AS NOTED

2AF221

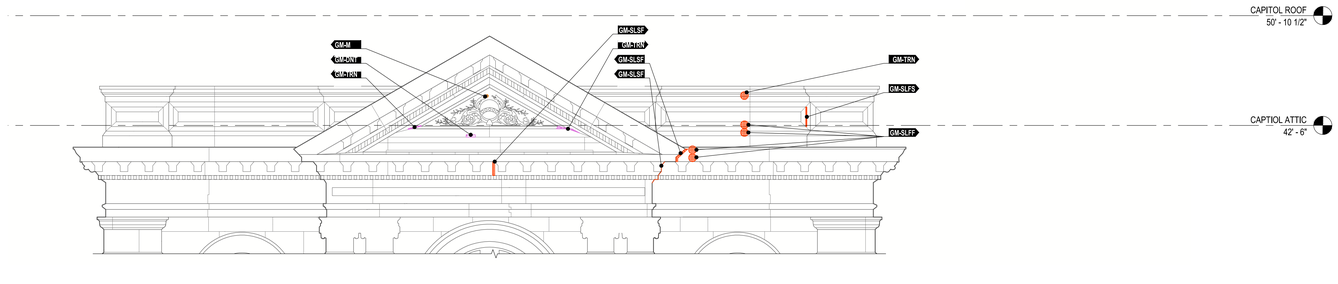
Schematic Design

KEY - EXTERIOR CONDITION ANNOTATION AT METAL WORK

	ABBREVIATION	MATERIAL
	GM	GALVANIZED METAL

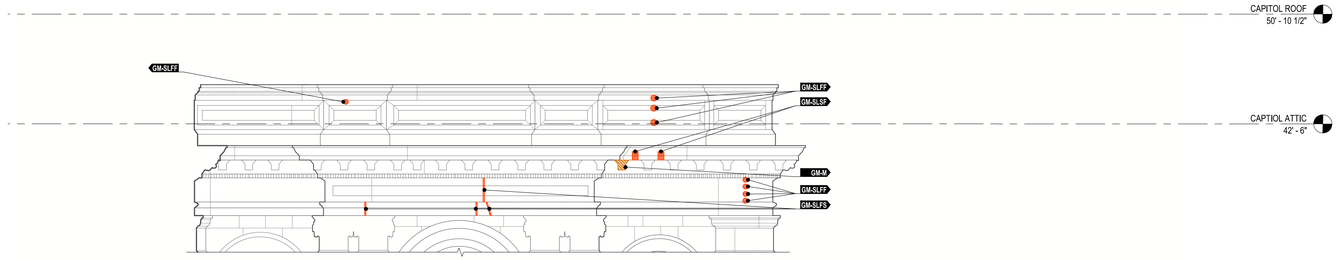
CONDITION

HATCH	ABBREVIATION	CONDITION
CRACKS		
	C	CRACKING
SEAMS		
	FSTF	FASTENER FAILED
	FLDF	FOLDED SEAM FAILED
	SLDF	SOLDER FAILED
	SLTF	SEALANT FAILED
	SLFS	SEALANT APPLIED TO FAILED SEAM
	SLFF	SEALANT APPLIED TO FAILED FASTENER
SURFACE		
	CTF	COATING FAILED
	SRF	CORROSION ON SURFACE
	PRF	CORROSION PERFORATING SURFACE
	WTHR	WEATHERED
DEFORMATION		
	DNT	DENTED
	PNC	PUNCTURED
	TRN	TORN
PREVIOUS REPAIRS		
	P	EXISTING SOUND PATCH REPAIR
	PF	EXISTING FAILED PATCH REPAIR
UNSECURED		
	L	LOOSE
	M	MISSING



C4 BAY N-21
1/4" = 1'-0"

3'-0" 1'-0"
4'-0" 2'-0" 0 4'-0" 8'-0" 16'-0"



B4 BAY N-22
1/4" = 1'-0"

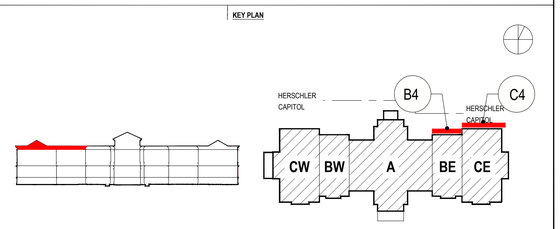
3'-0" 1'-0"
4'-0" 2'-0" 0 4'-0" 8'-0" 16'-0"

GENERAL NOTES

CONSTRUCTION KEYNOTES

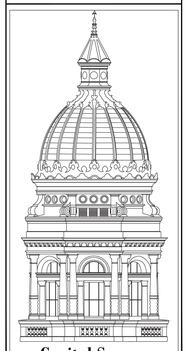
GRAPHIC LEGEND

KEY PLAN



State of Wyoming

Administration & Information
Construction Management



Capitol Square
Rehabilitation and Restoration
State of Wyoming A&I Construction Management

HDR PDP PLANT

PRELIMINARY
NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION
1	2014/12/19	SD OWNER REVIEW

PROJECT NUMBER	203619
ORIGINAL ISSUE	- -
PKG. IDENTIFIER	2

EXTERIOR CONDITION GALVANIZED METAL NORTHEAST ELEVATION

SCALE AS NOTED

2AF222

Schematic Design

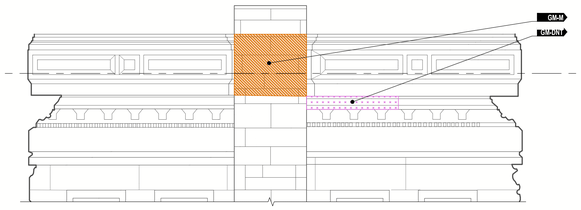
P:\13.001 - Wyoming State Capitol\07 - Drawings\07_01_CADD Drawings\02_As-Found Conditions\2AF210s_Exterior Conditions ELEVATIONS North METAL.dwg
12/15/2014 9:10:07 AM

KEY - EXTERIOR CONDITION ANNOTATION AT METAL WORK

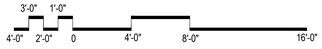
	ABBREVIATION	MATERIAL
	GM	GALVANIZED METAL

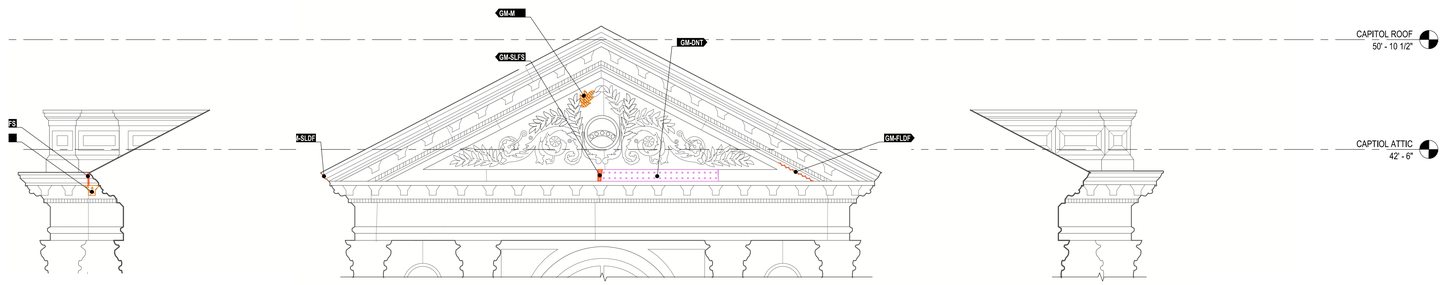
CONDITION

HATCH	ABBREVIATION	CONDITION
CRACKS		
	C	CRACKING
SEAMS		
	FSTF	FASTENER FAILED
	FLDF	FOLDED SEAM FAILED
	SLDF	SOLDER FAILED
	SLTF	SEALANT FAILED
	SLFS	SEALANT APPLIED TO FAILED SEAM
	SLFF	SEALANT APPLIED TO FAILED FASTENER
SURFACE		
	CTF	COATING FAILED
	SRF	CORROSION ON SURFACE
	PRF	CORROSION PERFORATING SURFACE
	WTHR	WEATHERED
DEFORMATION		
	DNT	DENTED
	PNC	PUNCTURED
	TRN	TORN
PREVIOUS REPAIRS		
	P	EXISTING SOUND PATCH REPAIR
	PF	EXISTING FAILED PATCH REPAIR
UNSECURED		
	L	LOOSE
	M	MISSING

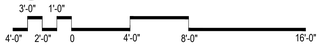


E4 BAY N-23
1/4" = 1'-0"





C6 BAY N-24
1/4" = 1'-0"



C4 BAY N-25
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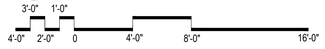

C3 BAY N-26
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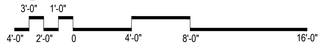
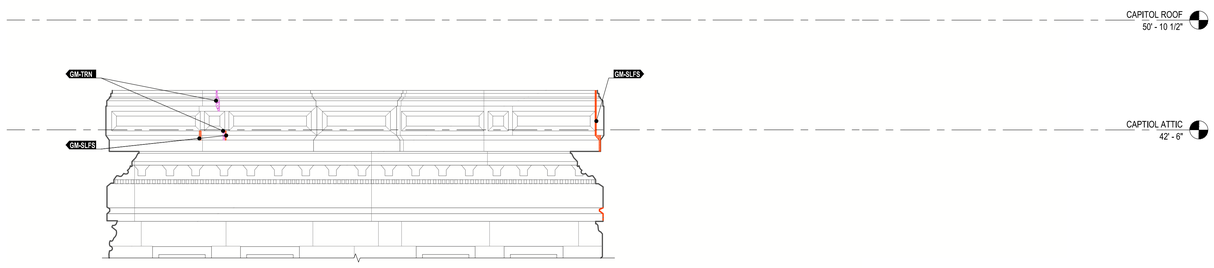
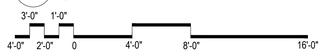




B4 BAY N-27
1/4" = 1'-0"

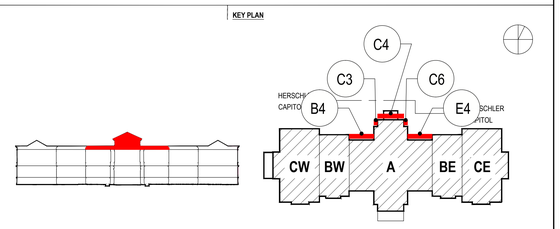


GENERAL NOTES

CONSTRUCTION KEYNOTES

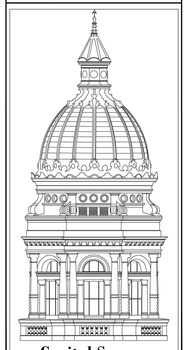
GRAPHIC LEGEND

KEY PLAN



State of Wyoming

Administration & Information
Construction Management



Capitol Square
Rehabilitation and Restoration
State of Wyoming A&I Construction Management

HDR PDP PLANT

PRELIMINARY
NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION
1	2014/12/19	SD OWNER REVIEW

PROJECT NUMBER	203019
ORIGINAL ISSUE	- -
PKG. IDENTIFIER	2

EXTERIOR CONDITION GALVANIZED METAL NORTH-CENTER ELEVATION

SCALE: AS NOTED

2AF223

Schematic Design

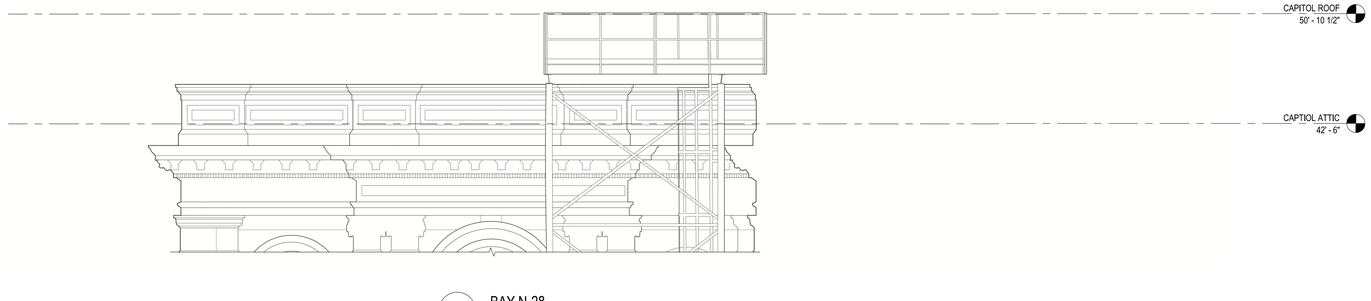
P:\13.00\ Wyoming State Capitol\07_Drawings\07_01_CADD Drawings\02_As-Found Conditions\2AF210s_Exterior Conditions ELEVATIONS North METAL.dwg
12/15/2014 9:10:14 AM

KEY - EXTERIOR CONDITION ANNOTATION AT METAL WORK

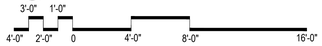
	ABBREVIATION	MATERIAL
	GM	GALVANIZED METAL

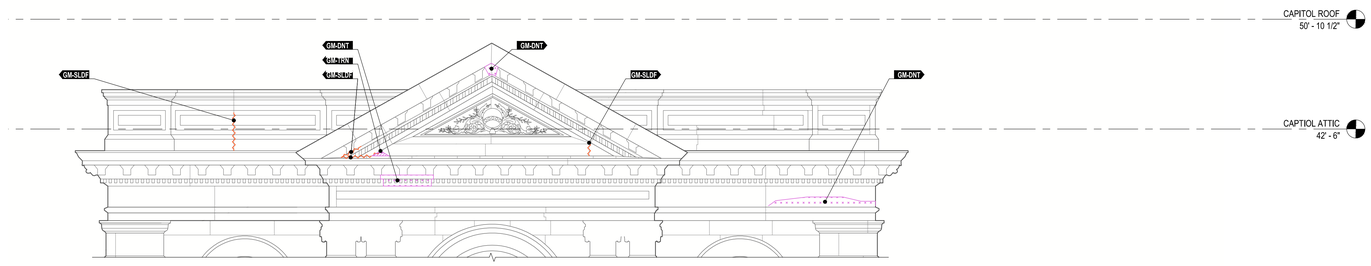
CONDITION

HATCH	ABBREVIATION	CONDITION
CRACKS		
	C	CRACKING
SEAMS		
	FSTF	FASTENER FAILED
	FLDF	FOLDED SEAM FAILED
	SLDF	SOLDER FAILED
	SLTF	SEALANT FAILED
	SLFS	SEALANT APPLIED TO FAILED SEAM
	SLFF	SEALANT APPLIED TO FAILED FASTENER
SURFACE		
	CTF	COATING FAILED
	SRF	CORROSION ON SURFACE
	PRF	CORROSION PERFORATING SURFACE
	WTHR	WEATHERED
DEFORMATION		
	DNT	DENTED
	PNC	PUNCTURED
	TRN	TORN
PREVIOUS REPAIRS		
	P	EXISTING SOUND PATCH REPAIR
	PF	EXISTING FAILED PATCH REPAIR
UNSECURED		
	L	LOOSE
	M	MISSING

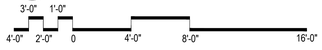


C4 BAY N-28
1/4" = 1'-0"





B4 BAY N-29
1/4" = 1'-0"

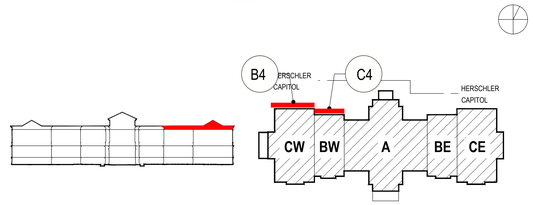


GENERAL NOTES

CONSTRUCTION KEYNOTES

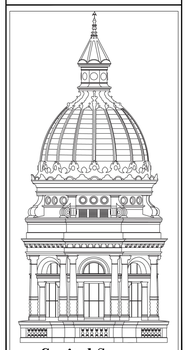
GRAPHIC LEGEND

KEY PLAN



State of Wyoming

Administration & Information
Construction Management



Capitol Square
Rehabilitation and Restoration
State of Wyoming A&I Construction Management

HDR PDP PLAN

PRELIMINARY
NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION
1	2014/12/19	SD OWNER REVIEW

PROJECT NUMBER	203019
ORIGINAL ISSUE	- -
PKG. IDENTIFIER	2

EXTERIOR CONDITION GALVANIZED METAL NORTHWEST ELEVATION

SCALE: AS NOTED

2AF224

Schematic Design

P:\13.001 Wyoming State Capitol\07 Drawings\07_01_CADD Drawings\02_As-Found Conditions\2AF210s_Exterior Conditions ELEVATIONS North METAL.dwg
12/15/2014 9:10:29 AM

KEY - EXTERIOR CONDITION ANNOTATION AT METAL WORK

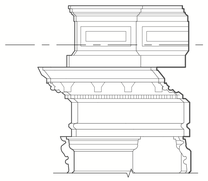
	ABBREVIATION	MATERIAL
	GM	GALVANIZED METAL

CONDITION

HATCH	ABBREVIATION	CONDITION
CRACKS		
	C	CRACKING
SEAMS		
	FSTF	FASTENER FAILED
	FLDF	FOLDED SEAM FAILED
	SLDF	SOLDER FAILED
	SLTF	SEALANT FAILED
	SLFS	SEALANT APPLIED TO FAILED SEAM
	SLFF	SEALANT APPLIED TO FAILED FASTENER
SURFACE		
	CTF	COATING FAILED
	SRF	CORROSION ON SURFACE
	PRF	CORROSION PERFORATING SURFACE
	WTHR	WEATHERED
DEFORMATION		
	DNT	DENTED
	PNC	PUNCTURED
	TRN	TORN
PREVIOUS REPAIRS		
	P	EXISTING SOUND PATCH REPAIR
	PF	EXISTING FAILED PATCH REPAIR
UNSECURED		
	L	LOOSE
	M	MISSING

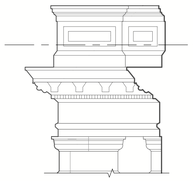
CAPITOL ROOF 50' - 10 1/2"

CAPTIOL ATTIC 42' - 6"



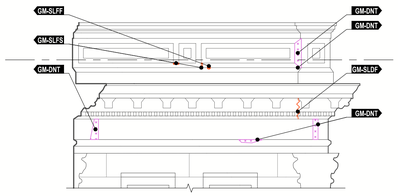
C6 RETURN N-25b 1/4" = 1'-0"

3'-0" 1'-0" 4'-0" 2'-0" 0 4'-0" 8'-0" 16'-0"



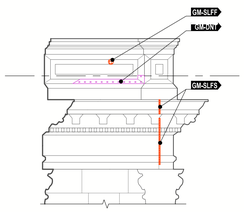
C5 RETURN N-26a 1/4" = 1'-0"

3'-0" 1'-0" 4'-0" 2'-0" 0 4'-0" 8'-0" 16'-0"



C4 RETURN N-28a 1/4" = 1'-0"

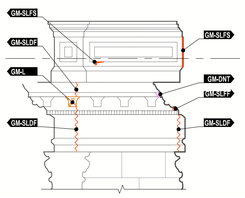
3'-0" 1'-0" 4'-0" 2'-0" 0 4'-0" 8'-0" 16'-0"

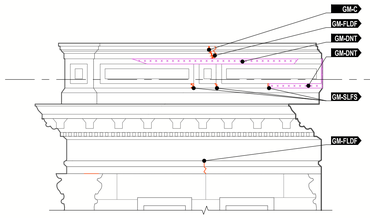


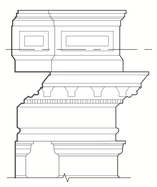
C3 RETURN N-29a 1/4" = 1'-0"

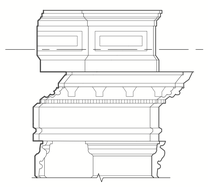
3'-0" 1'-0" 4'-0" 2'-0" 0 4'-0" 8'-0" 16'-0"

CAPITOL ROOF 50' - 10 1/2"









CAPTIOL ATTIC 42' - 6"

B6 RETURN N-25b 1/4" = 1'-0"

3'-0" 1'-0" 4'-0" 2'-0" 0 4'-0" 8'-0" 16'-0"

B5 RETURN N-26a 1/4" = 1'-0"

3'-0" 1'-0" 4'-0" 2'-0" 0 4'-0" 8'-0" 16'-0"

B4 RETURN N-28a 1/4" = 1'-0"

3'-0" 1'-0" 4'-0" 2'-0" 0 4'-0" 8'-0" 16'-0"

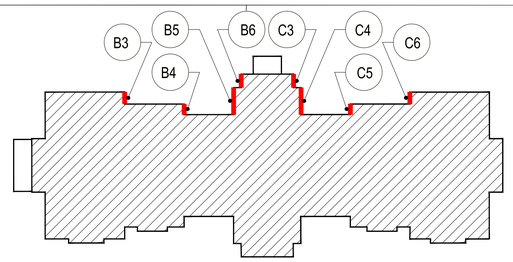
B3 RETURN N-29a 1/4" = 1'-0"

3'-0" 1'-0" 4'-0" 2'-0" 0 4'-0" 8'-0" 16'-0"

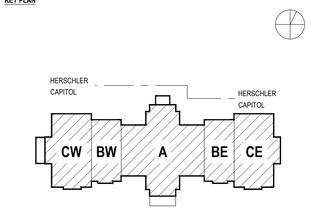
GENERAL NOTES

CONSTRUCTION KEYNOTES

GRAPHIC LEGEND

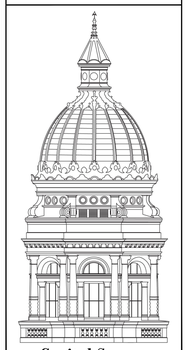


KEY PLAN



State of Wyoming

Administration & Information
Construction Management



Capitol Square
Rehabilitation and Restoration
State of Wyoming A&I Construction Management

HDR PDP PLAN ARCHITECT

PRELIMINARY
NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION
1	2014/12/19	SD OWNER REVIEW

PROJECT NUMBER	203619
ORIGINAL ISSUE	- -
PKG. IDENTIFIER	2

EXTERIOR CONDITION GALVANIZED METAL NORTH ELEVATION RETURNS

SCALE AS NOTED

2AF225

Schematic Design

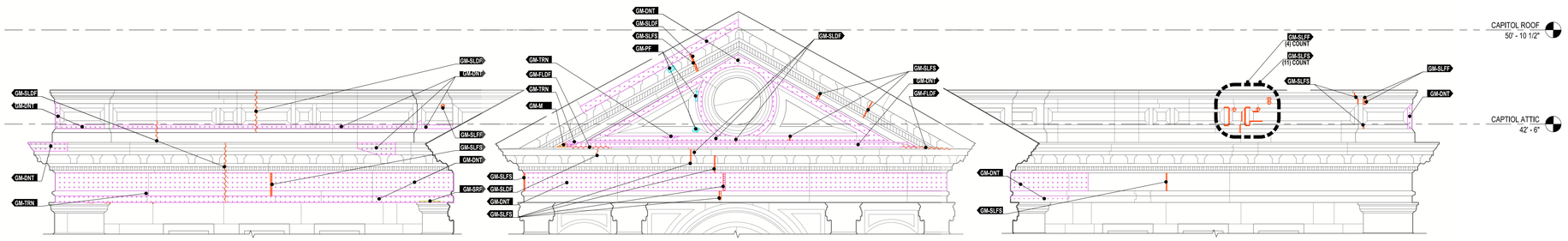
P:\13.001 Wyoming State Capitol\07 Drawings\07_01_CADD Drawings\02_As-Found Conditions\2AF210s_Exterior Conditions ELEVATIONS North Returns METAL.dwg
12/15/2014 9:10:2 AM

KEY - EXTERIOR CONDITION ANNOTATION AT METAL WORK

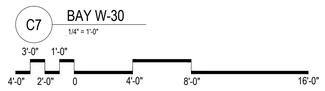
	ABBREVIATION	MATERIAL
	GM	GALVANIZED METAL

CONDITION

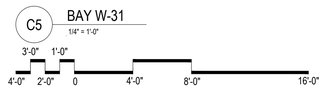
HATCH	ABBREVIATION	CONDITION
CRACKS		
	C	CRACKING
SEAMS		
	FSTF	FASTENER FAILED
	FLDF	FOLDED SEAM FAILED
	SLDF	SOLDER FAILED
	SLTF	SEALANT FAILED
	SLFS	SEALANT APPLIED TO FAILED SEAM
	SLFF	SEALANT APPLIED TO FAILED FASTENER
SURFACE		
	CTF	COATING FAILED
	SRF	CORROSION ON SURFACE
	PRF	CORROSION PERFORATING SURFACE
	WTHR	WEATHERED
DEFORMATION		
	DNT	DENTED
	PNC	PUNCTURED
	TRN	TORN
PREVIOUS REPAIRS		
	P	EXISTING SOUND PATCH REPAIR
	PF	EXISTING FAILED PATCH REPAIR
UNSECURED		
	L	LOOSE
	M	MISSING



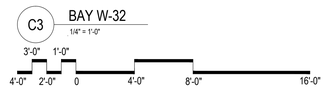
C7 BAY W-30
1/4" = 1'-0"



C5 BAY W-31
1/4" = 1'-0"



C3 BAY W-32
1/4" = 1'-0"

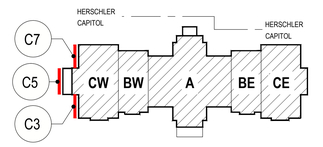


GENERAL NOTES

CONSTRUCTION KEYNOTES

GRAPHIC LEGEND

KEY PLAN



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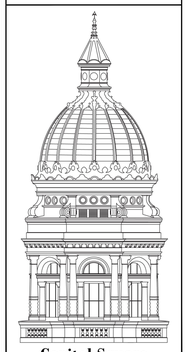
12/15/2014 9:10:42 AM

State of Wyoming

Administration & Information
Construction Management



Capitol Square
Rehabilitation and Restoration
State of Wyoming A&I Construction Management

HDR PDP RLM DESIGN

PRELIMINARY
NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION
1	2014/12/19	SD OWNER REVIEW

PROJECT NUMBER	203019
ORIGINAL ISSUE	- -
PKG. IDENTIFIER	2

EXTERIOR CONDITION GALVANIZED METAL WEST ELEVATION

SCALE: AS NOTED

2AF226

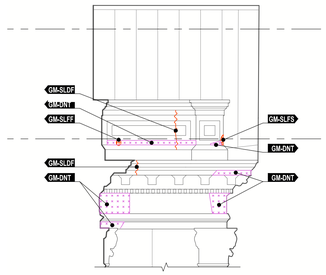
Schematic Design

KEY - EXTERIOR CONDITION ANNOTATION AT METAL WORK

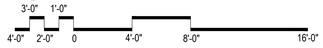
	ABBREVIATION	MATERIAL
	GM	GALVANIZED METAL

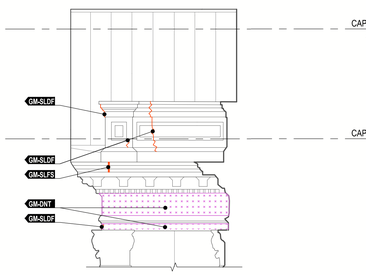
CONDITION

HATCH	ABBREVIATION	CONDITION
CRACKS		
	C	CRACKING
SEAMS		
	FSTF	FASTENER FAILED
	FLDF	FOLDED SEAM FAILED
	SLDF	SOLDER FAILED
	SLTF	SEALANT FAILED
	SLFS	SEALANT APPLIED TO FAILED SEAM
	SLFF	SEALANT APPLIED TO FAILED FASTENER
SURFACE		
	CTF	COATING FAILED
	SRF	CORROSION ON SURFACE
	PRF	CORROSION PERFORATING SURFACE
	WTHR	WEATHERED
DEFORMATION		
	DNT	DENTED
	PNC	PUNCTURED
	TRN	TORN
PREVIOUS REPAIRS		
	P	EXISTING SOUND PATCH REPAIR
	PF	EXISTING FAILED PATCH REPAIR
UNSECURED		
	L	LOOSE
	M	MISSING

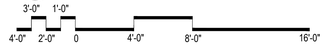


C4 BAY W-31a
1/4" = 1'-0"





C3 BAY W-31b
1/4" = 1'-0"

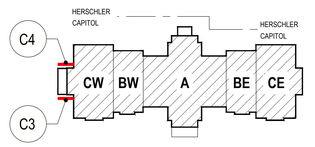


GENERAL NOTES

CONSTRUCTION KEYNOTES

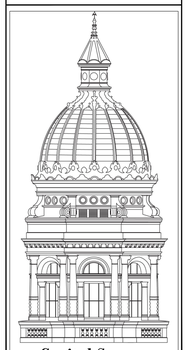
GRAPHIC LEGEND

KEY PLAN



State of Wyoming

Administration & Information
Construction Management



Capitol Square
Rehabilitation and Restoration
State of Wyoming A&I Construction Management

HDR PDP PLAN ARCHITECT

PRELIMINARY
NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION
1	2014/12/19	SD OWNER REVIEW

PROJECT NUMBER	203019
ORIGINAL ISSUE	- -
PKG. IDENTIFIER	2

EXTERIOR CONDITION GALVANIZED METAL WEST ELEVATION RETURNS

SCALE: AS NOTED

2AF227

Schematic Design

P:\13.001 Wyoming State Capitol\07 Drawings\07_01_CADD Drawings\02_As-Found Conditions\2AF210s_Exterior Conditions ELEVATIONS West Returns METAL.dwg
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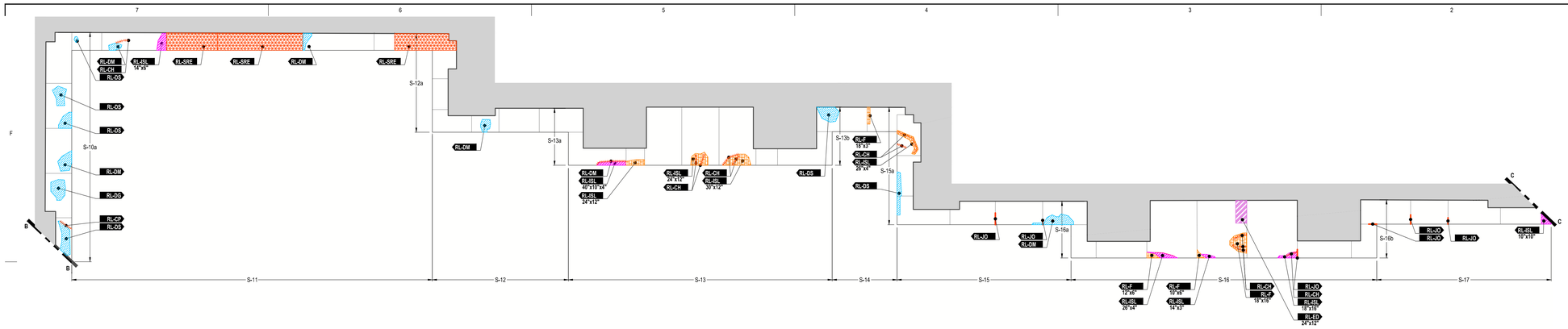
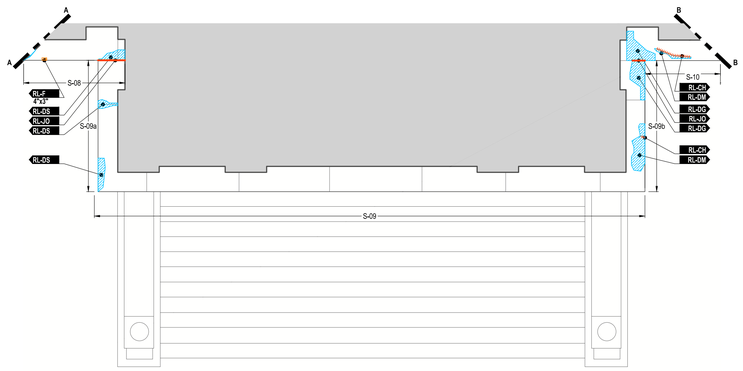


E5 SOUTH EAST UPPER CORNICE - RETURN S-10A - BAY S-17

1/4" = 1'-0"

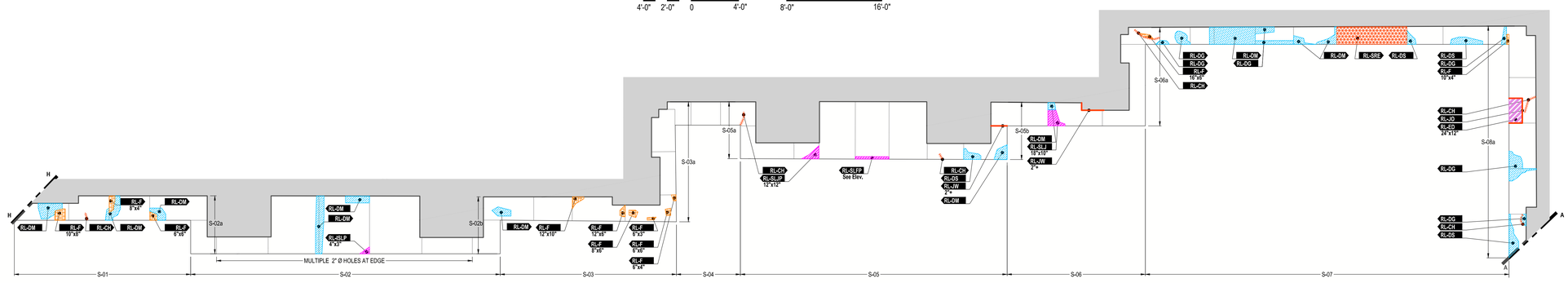
3'-0" 1'-0"
4'-0" 2'-0" 0 4'-0" 8'-0" 16'-0"



C5 SOUTH PORTICO UPPER CORNICE - BAY S-08 - BAY S-10

1/4" = 1'-0"

3'-0" 1'-0"
4'-0" 2'-0" 0 4'-0" 8'-0" 16'-0"



B5 SOUTHWEST UPPER CORNICE - BAY S-01 - RETURN S-08A

1/4" = 1'-0"

3'-0" 1'-0"
4'-0" 2'-0" 0 4'-0" 8'-0" 16'-0"

KEY - EXTERIOR CONDITION ANNOTATION

MATERIAL ABBREVIATION — CONDITION ABBREVIATION

RL-SSP

MATERIAL

ABBREVIATION	MATERIAL
RL	RAWLIN'S SANDSTONE
FC	FORT COLLINS SANDSTONE

CONDITION

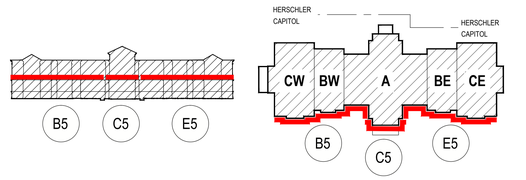
HATCH	ABBREVIATION	CONDITION
CRACKS		
	CC	CRACK AT CORNER
	CP	CRACK THROUGH ENTIRE UNIT
	CH	HAIRLINE CRACK
	CJ	CRACK ADJACENT TO JOINT
	CMJ	CRACK IN MASONRY JOINT
JOINTS		
	JD	DETERIORATED JOINTS
	JO	OPEN JOINTS
	JI	INAPPROPRIATE JOINT MATERIAL
	JW	JOINT WIDTH EXCEEDS 3/4"
SPALLS		
	SS	SMALL SPALL - LESS THAN 2 INCHES SQUARE, LESS THAN 1/2-INCH DEEP
	SSP	SMALL SPALL - PROFILED
	SSC	SMALL SPALL - CARVED
	SSJ	SMALL SPALL - ADJACENT TO JOINT
	SL	LARGE SPALL - GREATER THAN 2 INCHES SQUARE, GREATER THAN 1/2-INCH DEEP
	SLP	LARGE SPALL - PROFILED
	SLC	LARGE SPALL - CARVED
	SLJ	LARGE SPALL - ADJACENT TO JOINT
	ISL	LARGE SPALL - INCIPIENT
	ISLP	LARGE SPALL - INCIPIENT, PROFILED
	ISLC	LARGE SPALL - INCIPIENT, CARVED
	SLF	LARGE SPALL - ACROSS ENTIRE FACE OF STONE
	SLFP	LARGE SPALL - ACROSS ENTIRE PROFILED FACE OF STONE
	SRE	LARGE SPALL - COMPROMISED INTEGRITY OF STONE
DELAMINATION		
	DS	LESS THAN 1/8-INCH
	DM	GREATER THAN 1/8-INCH, BUT LESS THAN 1/2-INCH
	DG	GREATER THAN 1/2-INCH
PREVIOUS REPAIRS		
	EP	EXISTING PATCH REPAIR
	F	FAILED PATCH
	C	PATCH WITH POOR COLOR MATCH
	P	POORLY IMPLEMENTED PATCH
	ED	EXISTING DUTCHMANS REPAIR
	FD	FAILED DUTCHMAN REPAIR
	EDJO	EXISTING DUTCHMAN, JOINTS OPEN
ANCHORS		
	AA	ABANDONED ANCHOR
	AF	FUNCTIONAL ANCHOR
SOILING		
	EFF	EFFLORESCENCE
	GU	GUANO
	BS	BIOLOGICAL STAINING

GENERAL NOTES

CONSTRUCTION KEYNOTES

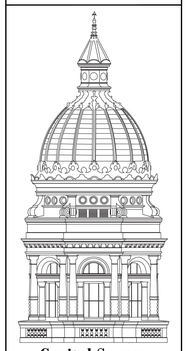
GRAPHIC LEGEND

KEY PLAN



State of Wyoming

Administration & Information
Construction Management



Capitol Square
Rehabilitation and Restoration
State of Wyoming A&I Construction Management

HDR PDP RLA ASSOCIATES

PRELIMINARY
NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION
1	2014/12/19	SD OWNER REVIEW

PROJECT NUMBER	203619
ORIGINAL ISSUE	- -
PKG. IDENTIFIER	2

EXTERIOR CONDITION SOUTH UPPER CORNICE

SCALE: AS NOTED

2AF228

Schematic Design

P:\13.00\ Wyoming State Capitol\07 Drawings\07_01_CADD Drawings\02_As-Found Conditions\2AF210a_Exterior Conditions CORNICE Plans.dwg
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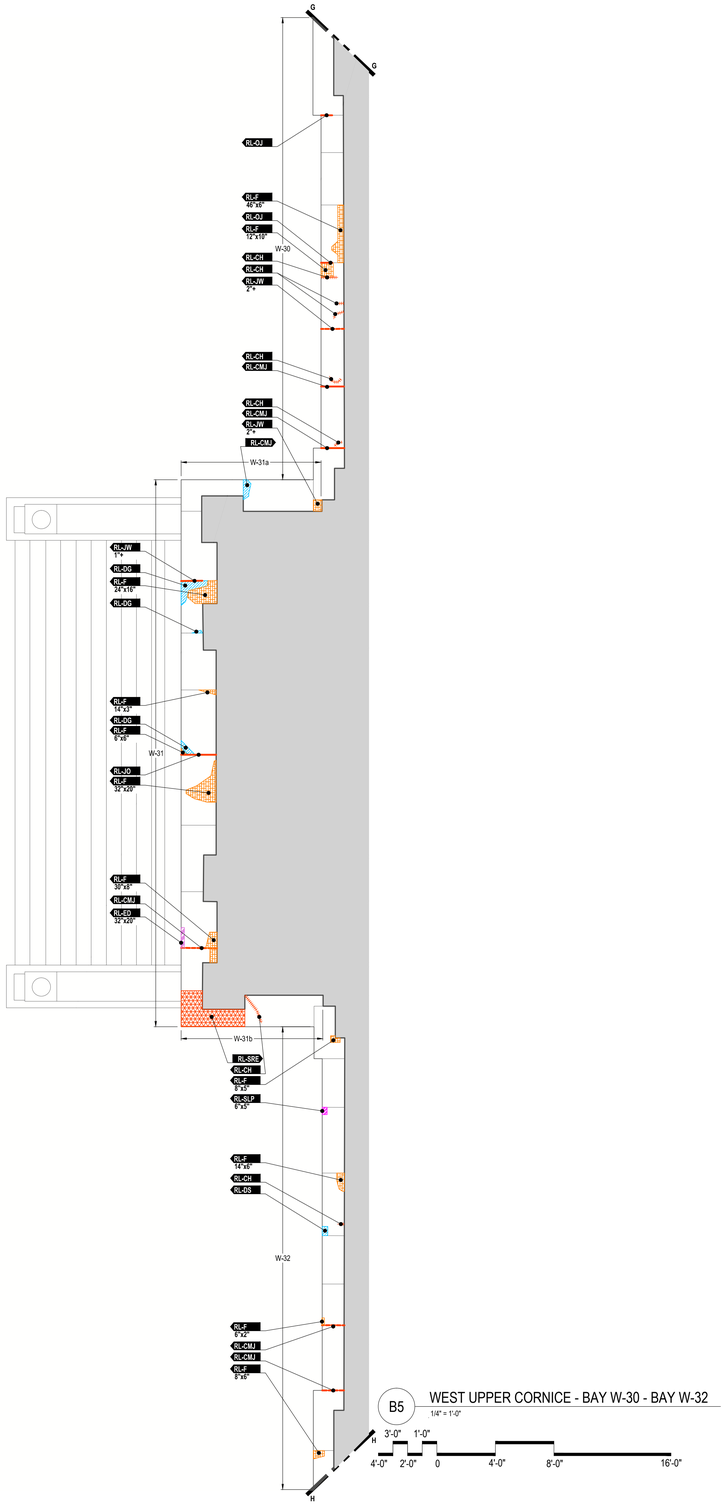
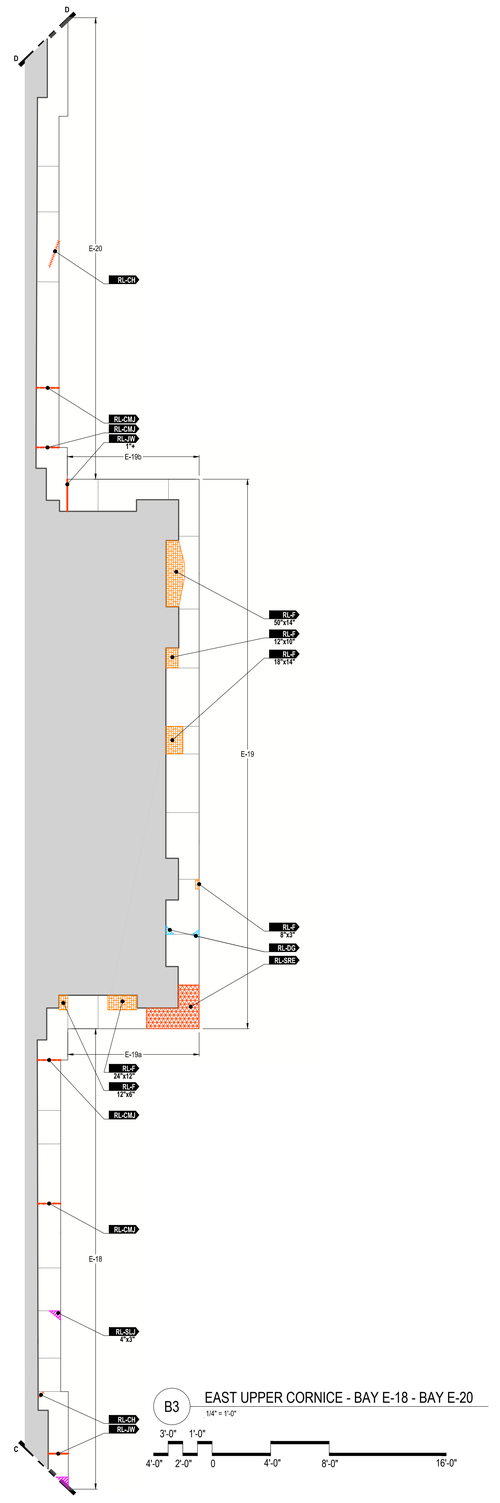


B5 WEST UPPER CORNICE - BAY W-30 - BAY W-32

1/4" = 1'-0"

3'-0" 1'-0" 4'-0" 2'-0" 0 4'-0" 8'-0" 16'-0"



B3 EAST UPPER CORNICE - BAY E-18 - BAY E-20

1/4" = 1'-0"

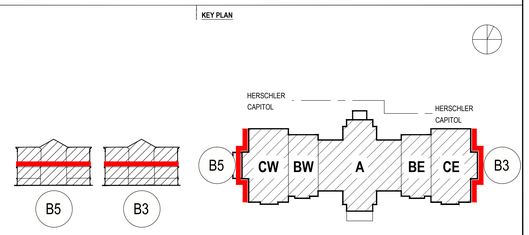
3'-0" 1'-0" 4'-0" 2'-0" 0 4'-0" 8'-0" 16'-0"

GENERAL NOTES

CONSTRUCTION KEYNOTES

GRAPHIC LEGEND

KEY PLAN



KEY - EXTERIOR CONDITION ANNOTATION

MATERIAL ABBREVIATION — CONDITION ABBREVIATION

RL-SSP

MATERIAL

ABBREVIATION	MATERIAL
RL	RAWLIN'S SANDSTONE
FC	FORT COLLINS SANDSTONE

CONDITION

HATCH	ABBREVIATION	CONDITION
CRACKS		
	CC	CRACK AT CORNER
	CP	CRACK THROUGH ENTIRE UNIT
	CH	HAIRLINE CRACK
	CJ	CRACK ADJACENT TO JOINT
	CMJ	CRACK IN MASONRY JOINT
JOINTS		
	JD	DETERIORATED JOINTS
	JO	OPEN JOINTS
	JI	INAPPROPRIATE JOINT MATERIAL
	JW	JOINT WIDTH EXCEEDS 3/4"
SPALLS		
	SS	SMALL SPALL - LESS THAN 2 INCHES SQUARE, LESS THAN 1/2-INCH DEEP
	SSP	SMALL SPALL - PROFILED
	SSC	SMALL SPALL - CARVED
	SSJ	SMALL SPALL - ADJACENT TO JOINT
	SL	LARGE SPALL - GREATER THAN 2 INCHES SQUARE, GREATER THAN 1/2-INCH DEEP
	SLP	LARGE SPALL - PROFILED
	SLC	LARGE SPALL - CARVED
	SLJ	LARGE SPALL - ADJACENT TO JOINT
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	ISLP	LARGE SPALL - INCIPIENT, PROFILED
	ISLC	LARGE SPALL - INCIPIENT, CARVED
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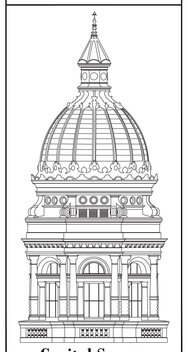
DELAMINATION		
	DS	LESS THAN 1/8-INCH
	DM	GREATER THAN 1/8-INCH, BUT LESS THAN 1/2-INCH
	DG	GREATER THAN 1/2-INCH
PREVIOUS REPAIRS		
	EP	EXISTING PATCH REPAIR
	F	FAILED PATCH
	C	PATCH WITH POOR COLOR MATCH
	P	POORLY IMPLEMENTED PATCH
	ED	EXISTING DUTCHMANS REPAIR
	FD	FAILED DUTCHMAN REPAIR
	EDJO	EXISTING DUTCHMAN, JOINTS OPEN
ANCHORS		
	AA	ABANDONED ANCHOR
	AF	FUNCTIONAL ANCHOR
SOILING		
	EFF	EFFLORESCENCE
	GU	GUANO
	BS	BIOLOGICAL STAINING

State of Wyoming

Administration & Information
Construction Management



Capitol Square
Rehabilitation and Restoration

State of Wyoming A&I Construction Management

HDR PDP PLAN ARCHITECT

PRELIMINARY
NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION
1	2014/12/19	SD OWNER REVIEW

PROJECT NUMBER	203619
ORIGINAL ISSUE	- - -
PKG. IDENTIFIER	2

EXTERIOR CONDITION EAST AND WEST UPPER CORNICE

SCALE	AS NOTED

2AF229

Schematic Design

P:\13.001 \ Wyoming State Capitol\07 _Drawings\07 _01 _CADD Drawings\02 _As-Found Conditions\2AF210s _Exterior Conditions CORNICE Plans.dwg
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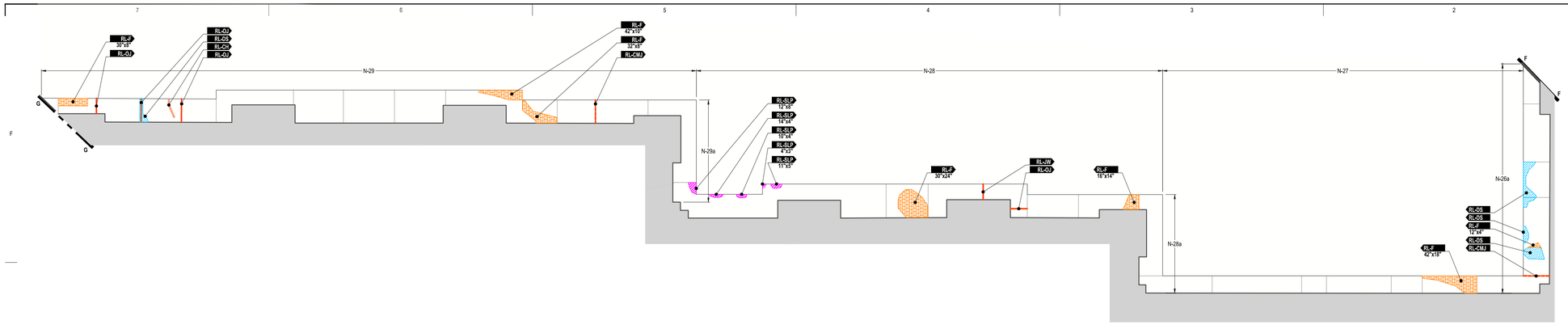
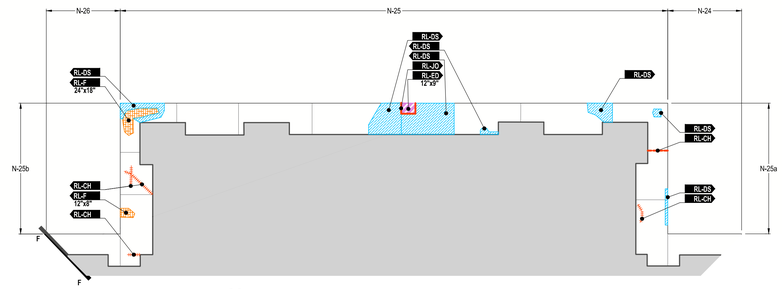


E5 NORTHWEST UPPER CORNICE - RETURN N-26A - BAY N-29

1/4" = 1'-0"

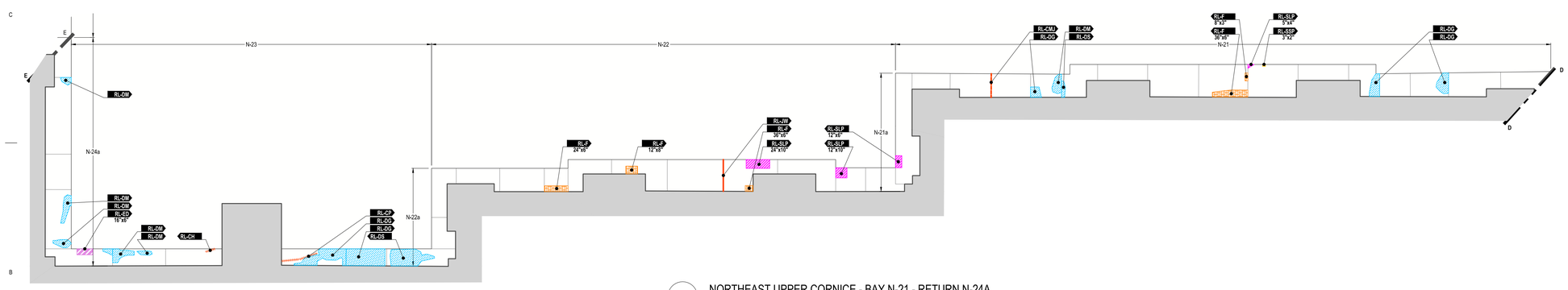
3'-0" 1'-0"
4'-0" 2'-0" 0 4'-0" 8'-0" 16'-0"



C5 NORTH PORTICO UPPER CORNICE - BAY N-24 - BAY N-26

1/4" = 1'-0"

3'-0" 1'-0"
4'-0" 2'-0" 0 4'-0" 8'-0" 16'-0"



B5 NORTHEAST UPPER CORNICE - BAY N-21 - RETURN N-24A

1/4" = 1'-0"

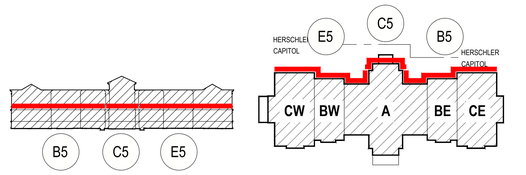
3'-0" 1'-0"
4'-0" 2'-0" 0 4'-0" 8'-0" 16'-0"

GENERAL NOTES

CONSTRUCTION KEYNOTES

GRAPHIC LEGEND

KEY PLAN



KEY - EXTERIOR CONDITION ANNOTATION

MATERIAL ABBREVIATION – CONDITION ABBREVIATION

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ABBREVIATION	MATERIAL
RL	RAWLIN'S SANDSTONE
FC	FORT COLLINS SANDSTONE

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	CJ	CRACK ADJACENT TO JOINT
	CMJ	CRACK IN MASONRY JOINT
JOINTS		
	JD	DETERIORATED JOINTS
	JO	OPEN JOINTS
	JI	INAPPROPRIATE JOINT MATERIAL
	JW	JOINT WIDTH EXCEEDS 3/4"
SPALLS		
	SS	SMALL SPALL - LESS THAN 2 INCHES SQUARE, LESS THAN 1/2-INCH DEEP
	SSP	SMALL SPALL - PROFILED
	SSC	SMALL SPALL - CARVED
	SSJ	SMALL SPALL - ADJACENT TO JOINT
	SL	LARGE SPALL - GREATER THAN 2 INCHES SQUARE, GREATER THAN 1/2-INCH DEEP
	SLP	LARGE SPALL - PROFILED
	SLC	LARGE SPALL - CARVED
	SLJ	LARGE SPALL - ADJACENT TO JOINT
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	ISLP	LARGE SPALL - INCIPIENT, PROFILED
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	DS	LESS THAN 1/8-INCH
	DM	GREATER THAN 1/8-INCH, BUT LESS THAN 1/2-INCH
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PREVIOUS REPAIRS		
	EP	EXISTING PATCH REPAIR
	F	FAILED PATCH
	C	PATCH WITH POOR COLOR MATCH
	P	POORLY IMPLEMENTED PATCH
	ED	EXISTING DUTCHMANS REPAIR
	FD	FAILED DUTCHMAN REPAIR
	EDJO	EXISTING DUTCHMAN, JOINTS OPEN
ANCHORS		
	AA	ABANDONED ANCHOR
	AF	FUNCTIONAL ANCHOR
SOILING		
	EFF	EFFLORESCENCE
	GU	GUANO
	BS	BIOLOGICAL STAINING

State of Wyoming

Administration & Information
Construction Management

Capitol Square
Rehabilitation and Restoration
State of Wyoming A&I Construction Management

HDR PDP PLAN ARCHITECT

PRELIMINARY
NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION
1	2014/12/19	SD OWNER REVIEW

PROJECT NUMBER	203619
ORIGINAL ISSUE	- - -
PKG. IDENTIFIER	2

EXTERIOR CONDITION NORTH UPPER CORNICE

SCALE	AS NOTED

2AF230

Schematic Design

P:\13.001 _Wyoming State Capitol\07 _Drawings\07 _01 _CADD Drawings\02 _As-Found Conditions\2AF230_ Exterior Conditions CORNICE Plans.dwg
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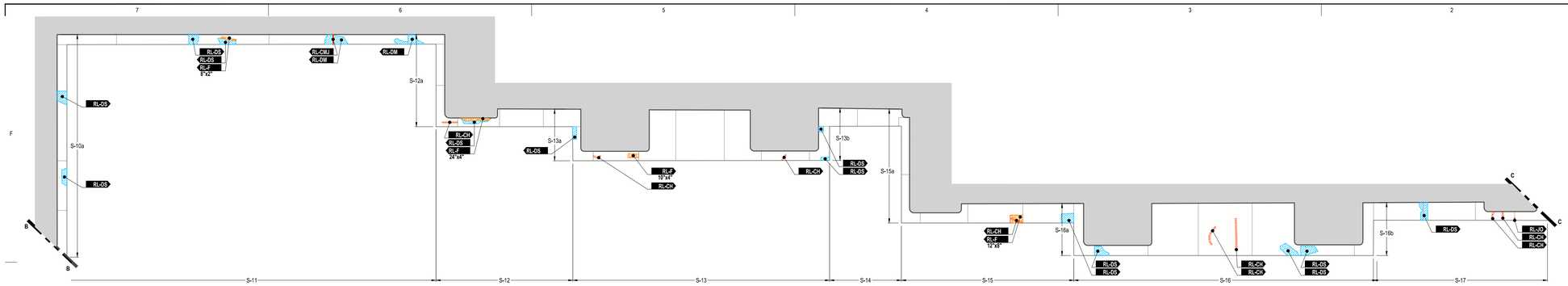
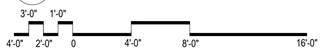
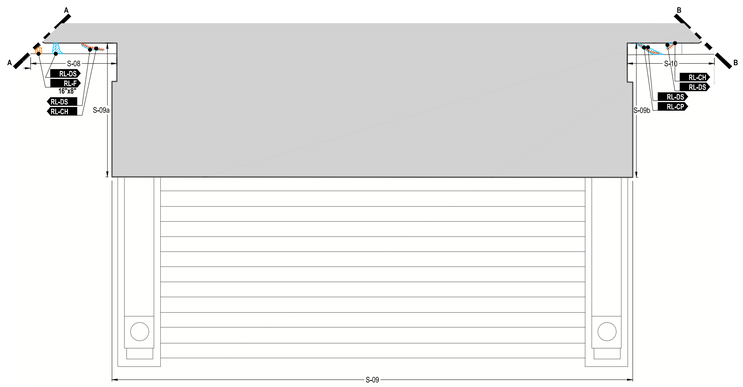


E5 SOUTH EAST LOWER CORNICE - RETURN S-10A - BAY S-17

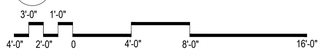
1/4" = 1'-0"

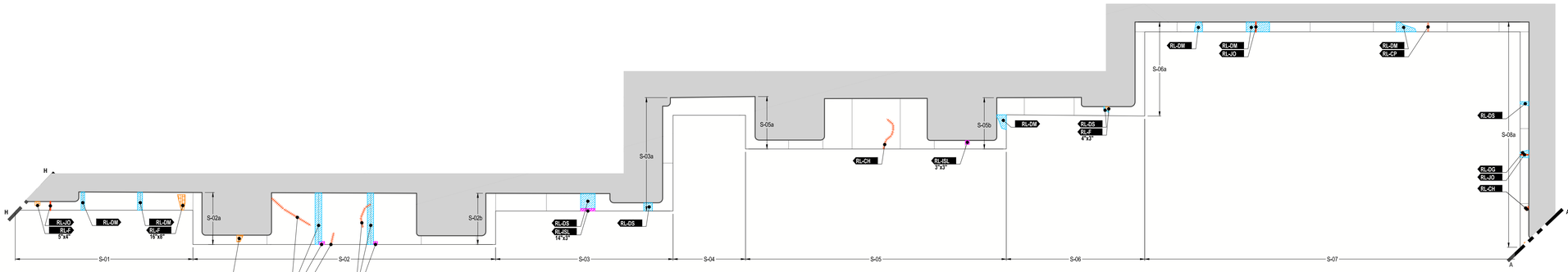




C5 SOUTH PORTICO LOWER CORNICE - BAY S-08 - BAY S-10

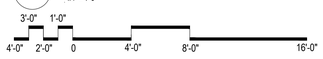
1/4" = 1'-0"





B5 SOUTHWEST LOWER CORNICE - BAY S-01 - RETURN S-08A

1/4" = 1'-0"



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RL-SSP

MATERIAL

ABBREVIATION	MATERIAL
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FC	FORT COLLINS SANDSTONE

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HATCH	ABBREVIATION	CONDITION
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	CH	HAIRLINE CRACK
	CJ	CRACK ADJACENT TO JOINT
	CMJ	CRACK IN MASONRY JOINT
JOINTS		
	JD	DETERIORATED JOINTS
	JO	OPEN JOINTS
	JI	INAPPROPRIATE JOINT MATERIAL
	JW	JOINT WIDTH EXCEEDS 3/4"
SPALLS		
	SS	SMALL SPALL - LESS THAN 2 INCHES SQUARE, LESS THAN 1/2-INCH DEEP
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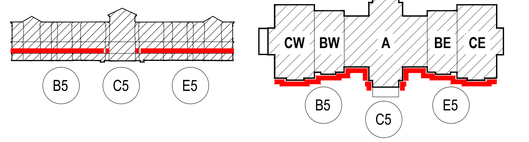
	SSC	SMALL SPALL - CARVED
	SSJ	SMALL SPALL - ADJACENT TO JOINT
	SL	LARGE SPALL - GREATER THAN 2 INCHES SQUARE, GREATER THAN 1/2-INCH DEEP
	SLP	LARGE SPALL - PROFILED
	SLC	LARGE SPALL - CARVED
	SLJ	LARGE SPALL - ADJACENT TO JOINT
	ISL	LARGE SPALL - INCIPIENT
	ISLP	LARGE SPALL - INCIPIENT, PROFILED
	ISLC	LARGE SPALL - INCIPIENT, CARVED
	SLF	LARGE SPALL - ACROSS ENTIRE FACE OF STONE
	SLFP	LARGE SPALL - ACROSS ENTIRE PROFILED FACE OF STONE
	SRE	LARGE SPALL - COMPROMISED INTEGRITY OF STONE
DELAMINATION		
	DS	LESS THAN 1/8-INCH
	DM	GREATER THAN 1/8-INCH, BUT LESS THAN 1/2-INCH
	DG	GREATER THAN 1/2-INCH
PREVIOUS REPAIRS		
	EP	EXISTING PATCH REPAIR
	F	FAILED PATCH
	C	PATCH WITH POOR COLOR MATCH
	P	POORLY IMPLEMENTED PATCH
	ED	EXISTING DUTCHMANS REPAIR
	FD	FAILED DUTCHMAN REPAIR
	EDJO	EXISTING DUTCHMAN, JOINTS OPEN
ANCHORS		
	AA	ABANDONED ANCHOR
	AF	FUNCTIONAL ANCHOR
SOILING		
	EFF	EFFLORESCENCE
	GU	GUANO
	BS	BIOLOGICAL STAINING

GENERAL NOTES

CONSTRUCTION KEYNOTES

GRAPHIC LEGEND

KEY PLAN



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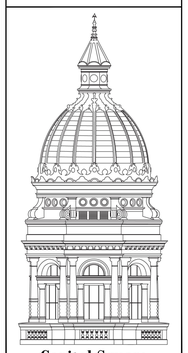
Construction Management



Capitol Square
Rehabilitation and Restoration
State of Wyoming A&I Construction Management

HDR PDP PLAN ARCHITECT

PRELIMINARY
NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION
1	2014/12/19	SD OWNER REVIEW

PROJECT NUMBER	203619
ORIGINAL ISSUE	- -
PKG. IDENTIFIER	2

EXTERIOR CONDITION SOUTH LOWER CORNICE

SCALE: AS NOTED

2AF231

Schematic Design

P:\13.001 \ Wyoming State Capitol\07_Drawings\07_01_CAD\Drawings\02_As-Found Conditions\2AF231b_Exterior Conditions CORNICE Plans.dwg
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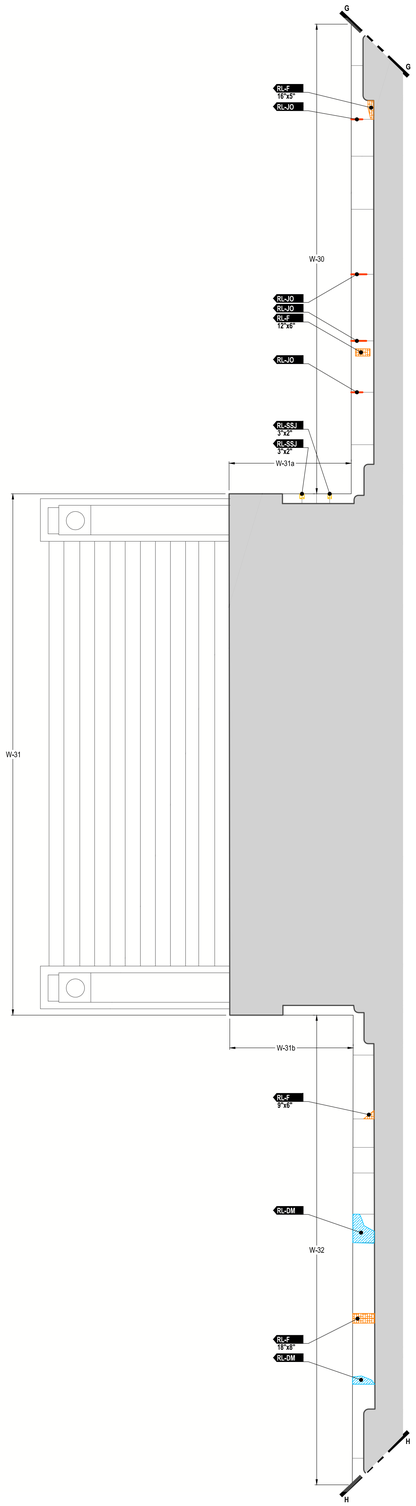
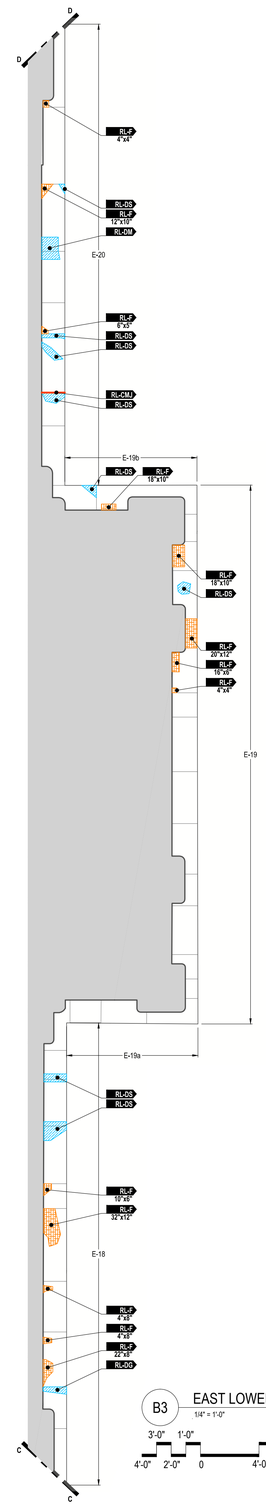


B5 WEST LOWER CORNICE - BAY W-30 - BAY W-32
1/4" = 1'-0"

3'-0" 1'-0" 4'-0" 2'-0" 0 4'-0" 8'-0" 16'-0"



B3 EAST LOWER CORNICE - BAY E-18 - BAY E-20
1/4" = 1'-0"

3'-0" 1'-0" 4'-0" 2'-0" 0 4'-0" 8'-0" 16'-0"

KEY - EXTERIOR CONDITION ANNOTATION

MATERIAL ABBREVIATION — CONDITION ABBREVIATION

RL-SSP

MATERIAL

ABBREVIATION	MATERIAL
RL	RAWLIN'S SANDSTONE
FC	FORT COLLINS SANDSTONE

CONDITION

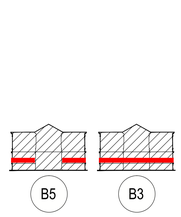
HATCH	ABBREVIATION	CONDITION
CRACKS		
	CC	CRACK AT CORNER
	CP	CRACK THROUGH ENTIRE UNIT
	CH	HAIRLINE CRACK
	CJ	CRACK ADJACENT TO JOINT
	CMJ	CRACK IN MASONRY JOINT
JOINTS		
	JD	DETERIORATED JOINTS
	JO	OPEN JOINTS
	JI	INAPPROPRIATE JOINT MATERIAL
	JW	JOINT WIDTH EXCEEDS 3/4"
SPALLS		
	SS	SMALL SPALL - LESS THAN 2 INCHES SQUARE, LESS THAN 1/2-INCH DEEP
	SSP	SMALL SPALL - PROFILED
	SSC	SMALL SPALL - CARVED
	SSJ	SMALL SPALL - ADJACENT TO JOINT
	SL	LARGE SPALL - GREATER THAN 2 INCHES SQUARE, GREATER THAN 1/2-INCH DEEP
	SLP	LARGE SPALL - PROFILED
	SLC	LARGE SPALL - CARVED
	SLJ	LARGE SPALL - ADJACENT TO JOINT
	ISL	LARGE SPALL - INCIPIENT
	ISLP	LARGE SPALL - INCIPIENT, PROFILED
	ISLC	LARGE SPALL - INCIPIENT, CARVED
	SLF	LARGE SPALL - ACROSS ENTIRE FACE OF STONE
	SLFP	LARGE SPALL - ACROSS ENTIRE PROFILED FACE OF STONE
	SRE	LARGE SPALL - COMPROMISED INTEGRITY OF STONE
DELAMINATION		
	DS	LESS THAN 1/8-INCH
	DM	GREATER THAN 1/8-INCH, BUT LESS THAN 1/2-INCH
	DG	GREATER THAN 1/2-INCH
PREVIOUS REPAIRS		
	EP	EXISTING PATCH REPAIR
	F	FAILED PATCH
	C	PATCH WITH POOR COLOR MATCH
	P	POORLY IMPLEMENTED PATCH
	ED	EXISTING DUTCHMANS REPAIR
	FD	FAILED DUTCHMAN REPAIR
	EDJO	EXISTING DUTCHMAN, JOINTS OPEN
ANCHORS		
	AA	ABANDONED ANCHOR
	AF	FUNCTIONAL ANCHOR
SOILING		
	EFF	EFFLORESCENCE
	GU	GUANO
	BS	BIOLOGICAL STAINING

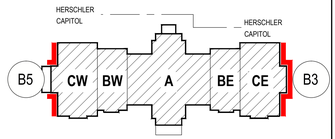
GENERAL NOTES

CONSTRUCTION KEYNOTES

GRAPHIC LEGEND

KEY PLAN





State of Wyoming

Administration & Information
Construction Management

Capitol Square
Rehabilitation and Restoration
State of Wyoming A&I Construction Management

HDR PDP PLAN ARCHITECT

PRELIMINARY
NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION
1	2014/12/19	SD OWNER REVIEW

PROJECT NUMBER **203619**
ORIGINAL ISSUE - -
PKG. IDENTIFIER **2**

EXTERIOR CONDITION EAST AND WEST LOWER CORNICE

SCALE AS NOTED

2AF232

Schematic Design

P:\13-001 Wyoming State Capitol\07_Drawings\07_01_CADD Drawings\02_As-Found Conditions\2AF210s_Exterior Conditions CORNICE Plans.dwg
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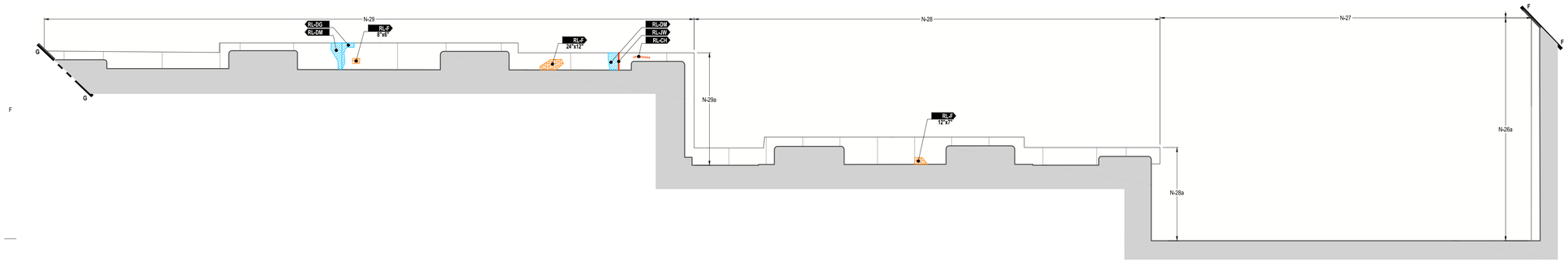
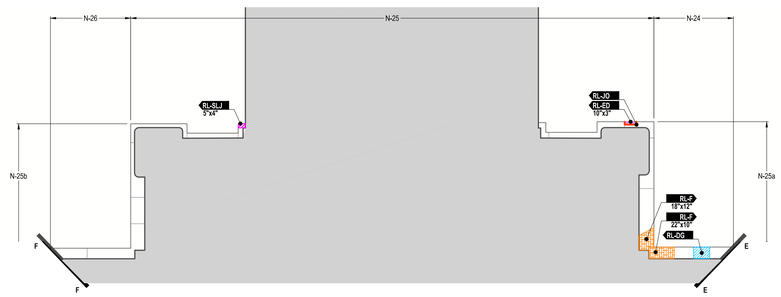


E5 NORTHWEST LOWER CORNICE - RETURN N-26A - BAY N-29

1/4" = 1'-0"

3'-0" 1'-0"

4'-0" 2'-0" 0 4'-0" 8'-0" 16'-0"

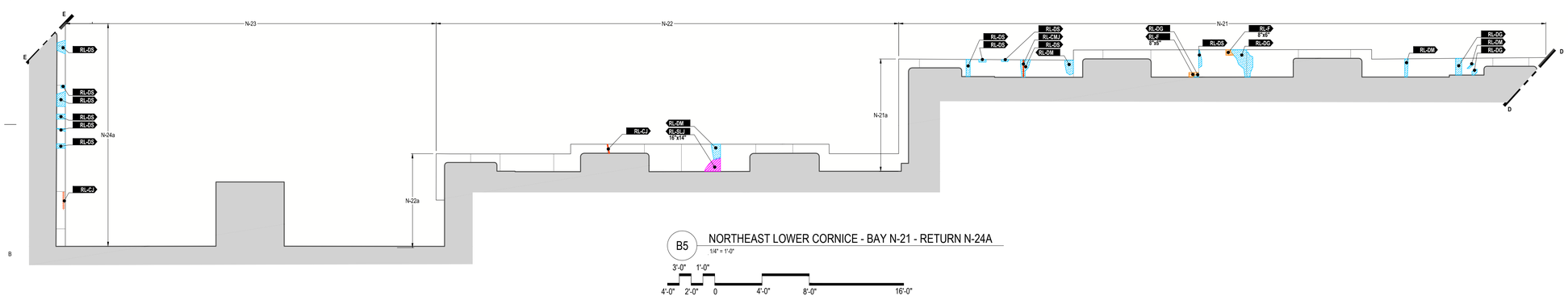


C5 NORTH PORTICO LOWER CORNICE - BAY N-24 - BAY N-26

1/4" = 1'-0"

3'-0" 1'-0"

4'-0" 2'-0" 0 4'-0" 8'-0" 16'-0"



B5 NORTHEAST LOWER CORNICE - BAY N-21 - RETURN N-24A

1/4" = 1'-0"

3'-0" 1'-0"

4'-0" 2'-0" 0 4'-0" 8'-0" 16'-0"

KEY - EXTERIOR CONDITION ANNOTATION

MATERIAL ABBREVIATION — CONDITION ABBREVIATION

RL-SSP

MATERIAL

ABBREVIATION	MATERIAL
RL	RAWLIN'S SANDSTONE
FC	FORT COLLINS SANDSTONE

CONDITION

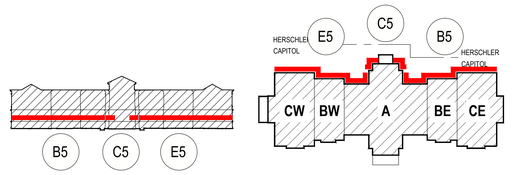
HATCH	ABBREVIATION	CONDITION
CRACKS		
	CC	CRACK AT CORNER
	CP	CRACK THROUGH ENTIRE UNIT
	CH	HAIRLINE CRACK
	CJ	CRACK ADJACENT TO JOINT
	CMJ	CRACK IN MASONRY JOINT
JOINTS		
	JD	DETERIORATED JOINTS
	JO	OPEN JOINTS
	JI	INAPPROPRIATE JOINT MATERIAL
	JW	JOINT WIDTH EXCEEDS 3/4"
SPALLS		
	SS	SMALL SPALL - LESS THAN 2 INCHES SQUARE, LESS THAN 1/2-INCH DEEP
	SSP	SMALL SPALL - PROFILED
	SSC	SMALL SPALL - CARVED
	SSJ	SMALL SPALL - ADJACENT TO JOINT
	SL	LARGE SPALL - GREATER THAN 2 INCHES SQUARE, GREATER THAN 1/2-INCH DEEP
	SLP	LARGE SPALL - PROFILED
	SLC	LARGE SPALL - CARVED
	SLJ	LARGE SPALL - ADJACENT TO JOINT
	ISL	LARGE SPALL - INCIPIENT
	ISLP	LARGE SPALL - INCIPIENT, PROFILED
	ISLC	LARGE SPALL - INCIPIENT, CARVED
	SLF	LARGE SPALL - ACROSS ENTIRE FACE OF STONE
	SLFP	LARGE SPALL - ACROSS ENTIRE PROFILED FACE OF STONE
	SRE	LARGE SPALL - COMPROMISED INTEGRITY OF STONE
DELAMINATION		
	DS	LESS THAN 1/8-INCH
	DM	GREATER THAN 1/8-INCH, BUT LESS THAN 1/2-INCH
	DG	GREATER THAN 1/2-INCH
PREVIOUS REPAIRS		
	EP	EXISTING PATCH REPAIR
	F	FAILED PATCH
	C	PATCH WITH POOR COLOR MATCH
	P	POORLY IMPLEMENTED PATCH
	ED	EXISTING DUTCHMANS REPAIR
	FD	FAILED DUTCHMAN REPAIR
	EDJO	EXISTING DUTCHMAN, JOINTS OPEN
ANCHORS		
	AA	ABANDONED ANCHOR
	AF	FUNCTIONAL ANCHOR
SOILING		
	EFF	EFFLORESCENCE
	GU	GUANO
	BS	BIOLOGICAL STAINING

GENERAL NOTES

CONSTRUCTION KEYNOTES

GRAPHIC LEGEND

KEY PLAN



State of Wyoming

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State of Wyoming A&I Construction Management

HDR PDP PLAN ARCHITECT

PRELIMINARY
NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION
1	2014/12/19	SD OWNER REVIEW

PROJECT NUMBER 203619
ORIGINAL ISSUE - - -
PKG. IDENTIFIER 2

EXTERIOR CONDITION NORTH LOWER CORNICE

SCALE AS NOTED

2AF233

Schematic Design

P:\13.001 \ Wyoming State Capitol\07_Drawings\07_01_CADD Drawings\02_As-Found Conditions\2AF210s_Exterior Conditions CORNICE Plans.dwg
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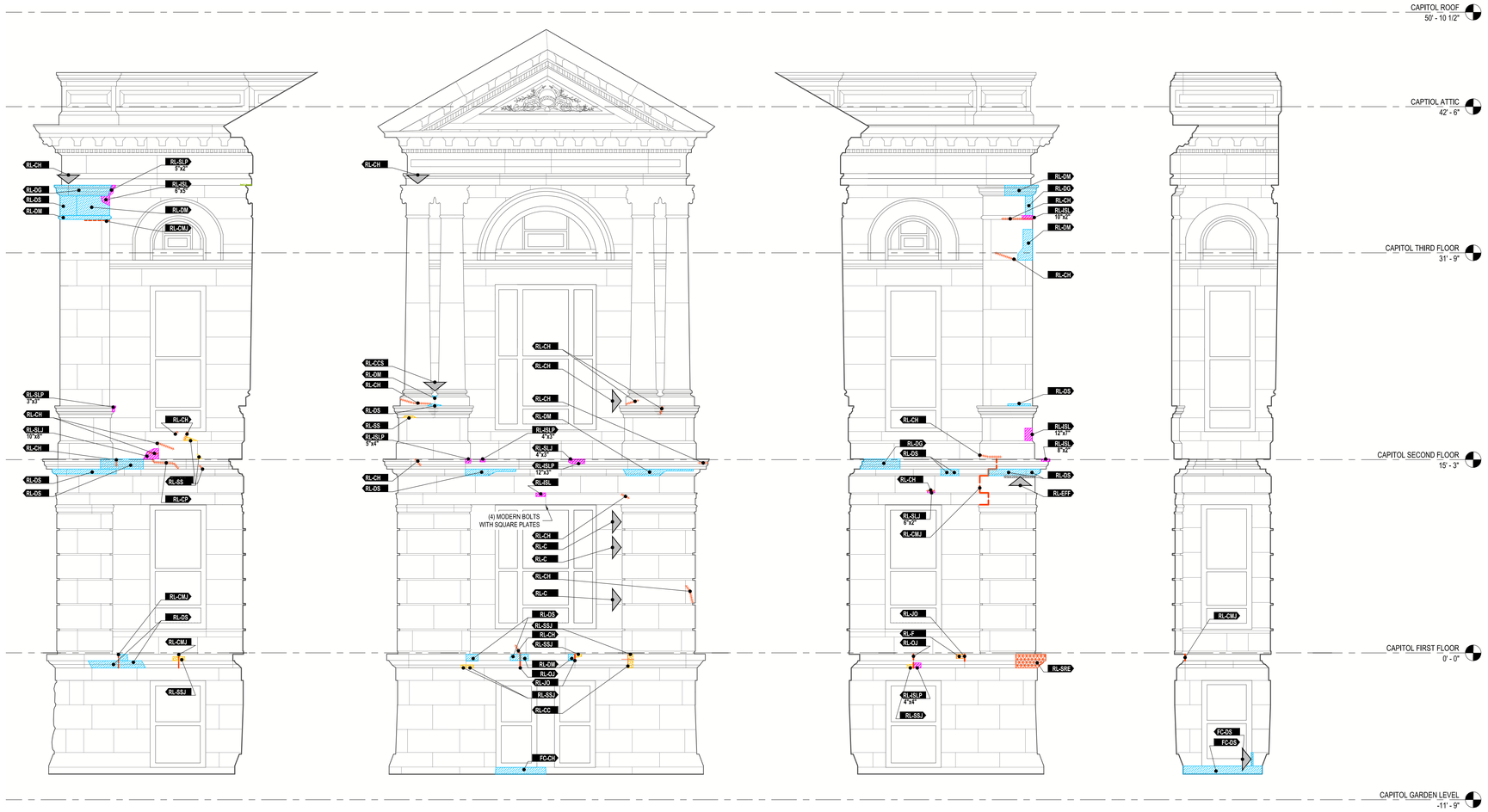
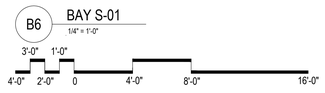
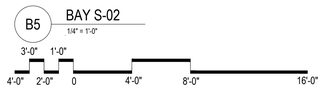


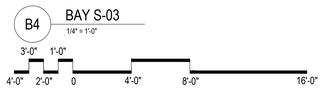
B6 BAY S-01 — 1/4" = 1'-0"



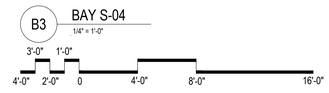
B5 BAY S-02 — 1/4" = 1'-0"



B4 BAY S-03 — 1/4" = 1'-0"



B3 BAY S-04 — 1/4" = 1'-0"

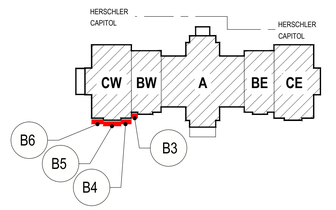


GENERAL NOTES

CONSTRUCTION KEYNOTES

GRAPHIC LEGEND

KEY PLAN



KEY - EXTERIOR CONDITION ANNOTATION

MATERIAL ABBREVIATION — CONDITION ABBREVIATION (e.g. RL-SSP)

MATERIAL

ABBREVIATION	MATERIAL
RL	RAWLIN'S SANDSTONE
FC	FORT COLLINS SANDSTONE

CONDITION

HATCH	ABBREVIATION	CONDITION
CRACKS		
	CC	CRACK AT CORNER
	CP	CRACK THROUGH ENTIRE UNIT
	CH	HAIRLINE CRACK
	CJ	CRACK ADJACENT TO JOINT
	CMJ	CRACK IN MASONRY JOINT
JOINTS		
	JD	DETERIORATED JOINTS
	JO	OPEN JOINTS
	JI	INAPPROPRIATE JOINT MATERIAL
	JW	JOINT WIDTH EXCEEDS 3/4"
SPALLS		
	SS	SMALL SPALL - LESS THAN 2 INCHES SQUARE, LESS THAN 1/2-INCH DEEP
	SSP	SMALL SPALL - PROFILED
	SSC	SMALL SPALL - CARVED
	SSJ	SMALL SPALL - ADJACENT TO JOINT
	SL	LARGE SPALL - GREATER THAN 2 INCHES SQUARE, GREATER THAN 1/2-INCH DEEP
	SLP	LARGE SPALL - PROFILED
	SLC	LARGE SPALL - CARVED
	SLJ	LARGE SPALL - ADJACENT TO JOINT
	ISL	LARGE SPALL - INCIPIENT
	ISLP	LARGE SPALL - INCIPIENT, PROFILED
	ISLC	LARGE SPALL - INCIPIENT, CARVED
	SLF	LARGE SPALL - ACROSS ENTIRE FACE OF STONE
	SLFP	LARGE SPALL - ACROSS ENTIRE PROFILED FACE OF STONE
	SRE	LARGE SPALL - COMPROMISED INTEGRITY OF STONE
DELAMINATION		
	DS	LESS THAN 1/8-INCH
	DM	GREATER THAN 1/8-INCH, BUT LESS THAN 1/2-INCH
	DG	GREATER THAN 1/2-INCH
PREVIOUS REPAIRS		
	EP	EXISTING PATCH REPAIR
	F	FAILED PATCH
	C	PATCH WITH POOR COLOR MATCH
	P	POORLY IMPLEMENTED PATCH
	ED	EXISTING DUTCHMANS REPAIR
	FD	FAILED DUTCHMAN REPAIR
	EDJO	EXISTING DUTCHMAN, JOINTS OPEN
ANCHORS		
	AA	ABANDONED ANCHOR
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SOILING		
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State of Wyoming

Administration & Information
Construction Management

Capitol Square
Rehabilitation and Restoration
State of Wyoming A&I Construction Management

HDR PDP PLAN ARCHITECT

PRELIMINARY
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MARK	DATE	DESCRIPTION
1	2014/12/19	SD OWNER REVIEW

PROJECT NUMBER	203619
ORIGINAL ISSUE	- -
PKG. IDENTIFIER	2

EXTERIOR CONDITION SOUTH ELEVATION BAYS

SCALE: AS NOTED

2AF234

Schematic Design

P:\13.001 Wyoming State Capitol\07_Drawings\07_01_CADD Drawings\02_As-Found Conditions\2AF210s_Exterior Conditions ELEVATIONS South.dwg
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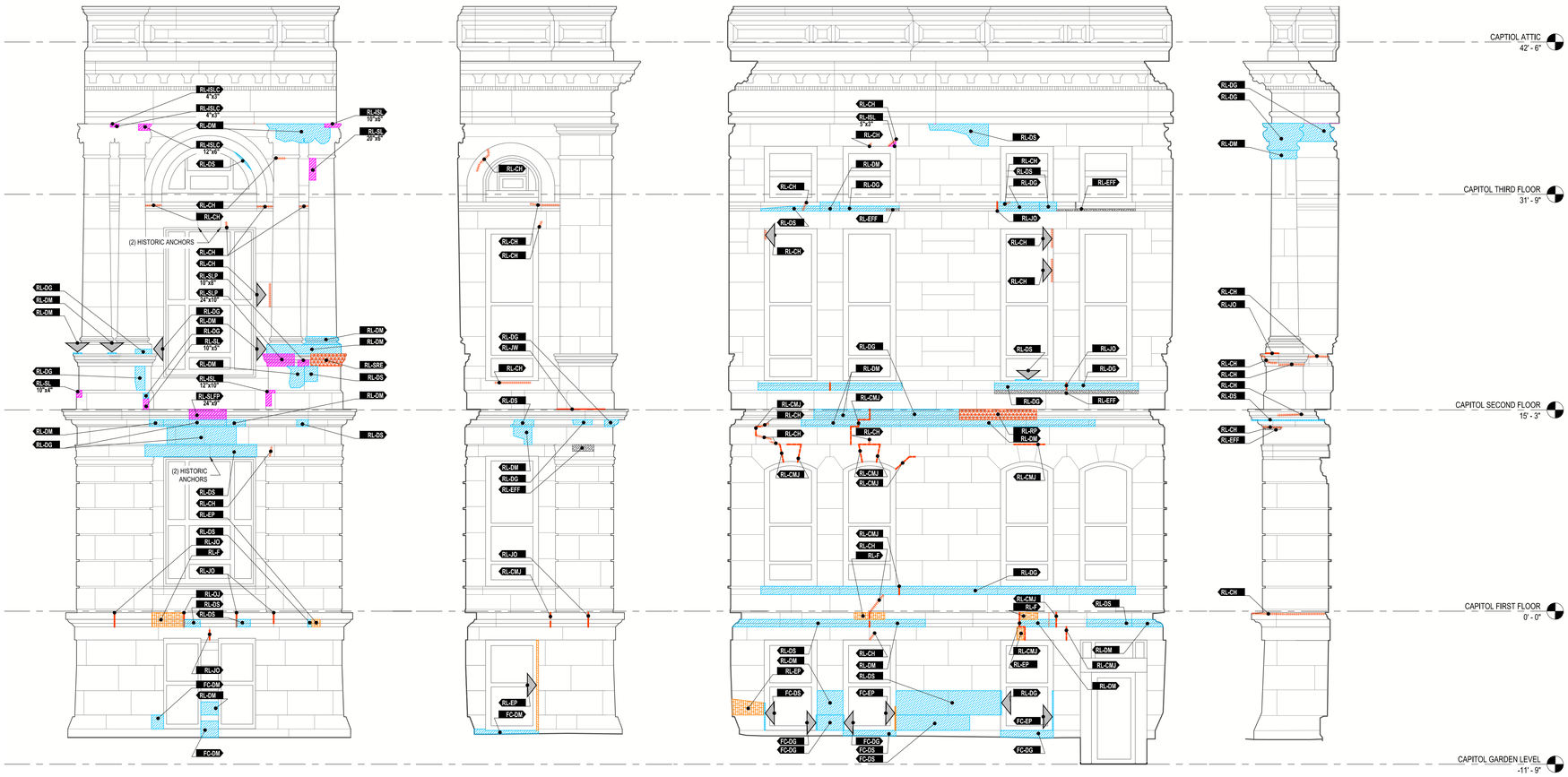
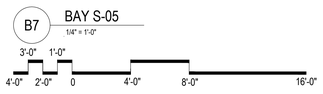
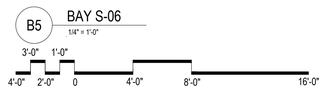


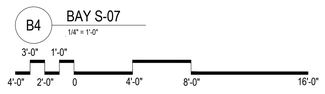
B7 BAY S-05 — 1/4" = 1'-0"



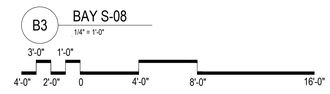
B5 BAY S-06 — 1/4" = 1'-0"



B4 BAY S-07 — 1/4" = 1'-0"



B3 BAY S-08 — 1/4" = 1'-0"

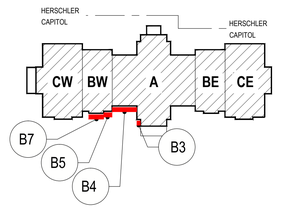


GENERAL NOTES

CONSTRUCTION KEYNOTES

GRAPHIC LEGEND

KEY PLAN



KEY - EXTERIOR CONDITION ANNOTATION

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MATERIAL

ABBREVIATION	MATERIAL
RL	RAWLIN'S SANDSTONE
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HATCH	ABBREVIATION	CONDITION
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	CJ	CRACK ADJACENT TO JOINT
	CMJ	CRACK IN MASONRY JOINT
JOINTS		
	JD	DETERIORATED JOINTS
	JO	OPEN JOINTS
	JI	INAPPROPRIATE JOINT MATERIAL
	JW	JOINT WIDTH EXCEEDS 3/4"
SPALLS		
	SS	SMALL SPALL - LESS THAN 2 INCHES SQUARE, LESS THAN 1/2-INCH DEEP
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	SSJ	SMALL SPALL - ADJACENT TO JOINT
	SL	LARGE SPALL - GREATER THAN 2 INCHES SQUARE, GREATER THAN 1/2-INCH DEEP
	SLP	LARGE SPALL - PROFILED
	SLC	LARGE SPALL - CARVED
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	ISL	LARGE SPALL - INCIPIENT
	ISLP	LARGE SPALL - INCIPIENT, PROFILED
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	SLF	LARGE SPALL - ACROSS ENTIRE FACE OF STONE
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	SRE	LARGE SPALL - COMPROMISED INTEGRITY OF STONE
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	DS	LESS THAN 1/8-INCH
	DM	GREATER THAN 1/8-INCH, BUT LESS THAN 1/2-INCH
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	FD	FAILED DUTCHMAN REPAIR
	EDJO	EXISTING DUTCHMAN, JOINTS OPEN
ANCHORS		
	AA	ABANDONED ANCHOR
	AF	FUNCTIONAL ANCHOR
SOILING		
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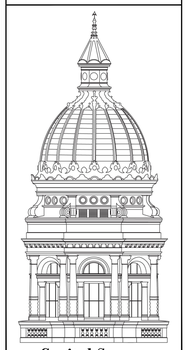
	GU	GUANO
	BS	BIOLOGICAL STAINING

State of Wyoming

Administration & Information
Construction Management



Capitol Square
Rehabilitation and Restoration
State of Wyoming A&I Construction Management

HDR PDP PLAN ARCHITECT

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EXTERIOR CONDITION SOUTH ELEVATION BAYS

SCALE: AS NOTED

2AF235

Schematic Design

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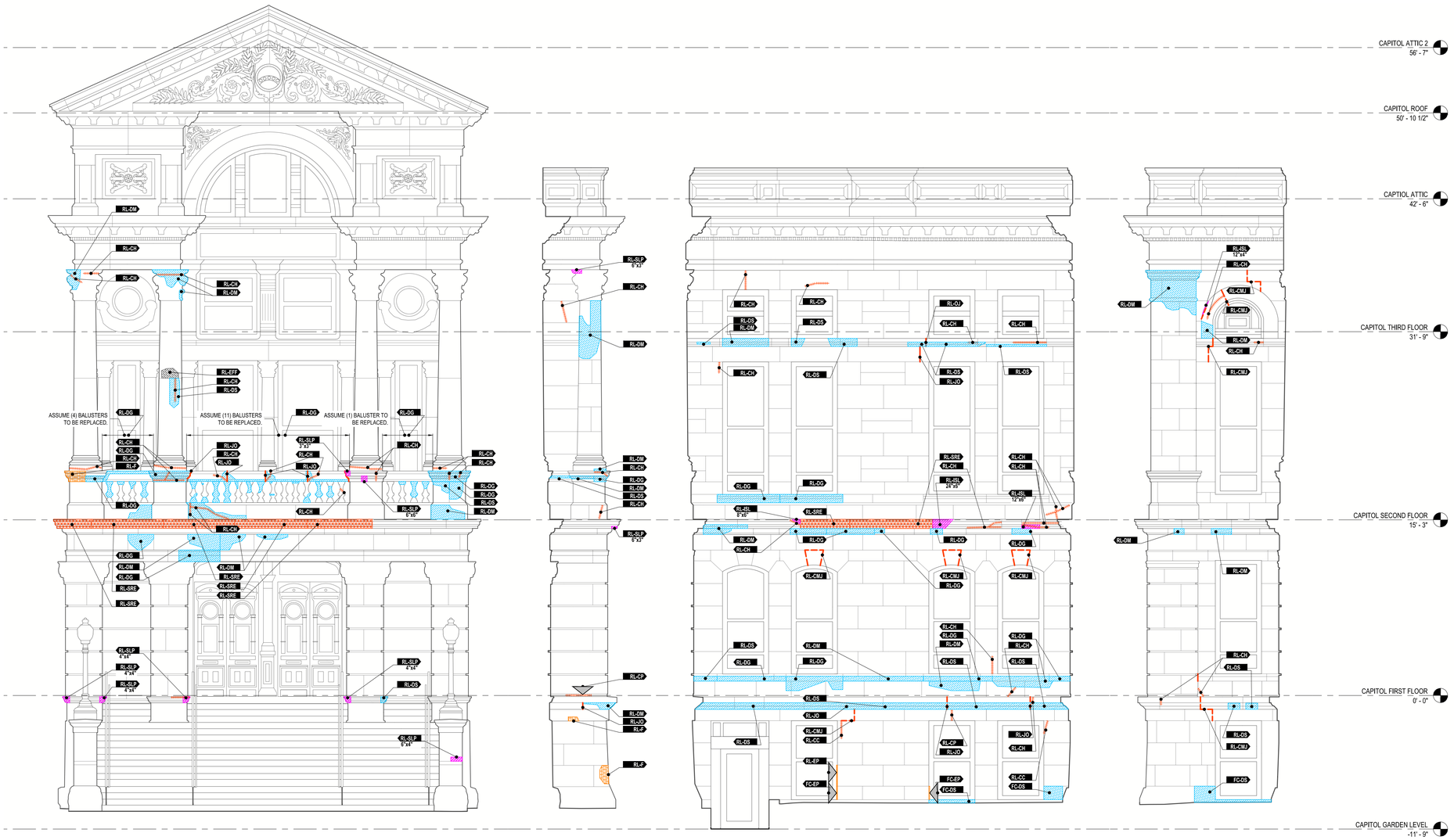

B7 BAY S-09
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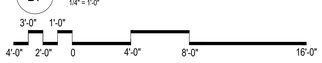
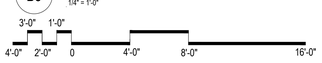
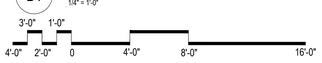


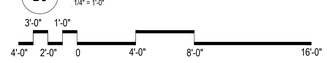
B5 BAY S-10
1/4" = 1'-0"



B4 BAY S-11
1/4" = 1'-0"



B3 BAY S-12
1/4" = 1'-0"

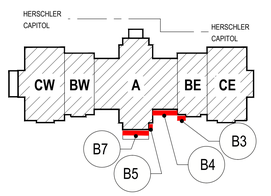


GENERAL NOTES

CONSTRUCTION KEYNOTES

GRAPHIC LEGEND

KEY PLAN



KEY - EXTERIOR CONDITION ANNOTATION

MATERIAL ABBREVIATION — CONDITION ABBREVIATION (e.g. RL-SSP)

MATERIAL

ABBREVIATION	MATERIAL
RL	RAWLIN'S SANDSTONE
FC	FORT COLLINS SANDSTONE

CONDITION

HATCH	ABBREVIATION	CONDITION
CRACKS		
	CC	CRACK AT CORNER
	CP	CRACK THROUGH ENTIRE UNIT
	CH	HAIRLINE CRACK
	CJ	CRACK ADJACENT TO JOINT
	CMJ	CRACK IN MASONRY JOINT
JOINTS		
	JD	DETERIORATED JOINTS
	JO	OPEN JOINTS
	JI	INAPPROPRIATE JOINT MATERIAL
	JW	JOINT WIDTH EXCEEDS 3/4"
SPALLS		
	SS	SMALL SPALL - LESS THAN 2 INCHES SQUARE, LESS THAN 1/2-INCH DEEP
	SSP	SMALL SPALL - PROFILED
	SSC	SMALL SPALL - CARVED
	SSJ	SMALL SPALL - ADJACENT TO JOINT
	SL	LARGE SPALL - GREATER THAN 2 INCHES SQUARE, GREATER THAN 1/2-INCH DEEP
	SLP	LARGE SPALL - PROFILED
	SLC	LARGE SPALL - CARVED
	SLJ	LARGE SPALL - ADJACENT TO JOINT
	ISL	LARGE SPALL - INCIPIENT
	ISLP	LARGE SPALL - INCIPIENT, PROFILED
	ISLC	LARGE SPALL - INCIPIENT, CARVED
	SLF	LARGE SPALL - ACROSS ENTIRE FACE OF STONE
	SLFP	LARGE SPALL - ACROSS ENTIRE PROFILED FACE OF STONE
	SRE	LARGE SPALL - COMPROMISED INTEGRITY OF STONE
DELAMINATION		
	DS	LESS THAN 1/8-INCH
	DM	GREATER THAN 1/8-INCH, BUT LESS THAN 1/2-INCH
	DG	GREATER THAN 1/2-INCH
PREVIOUS REPAIRS		
	EP	EXISTING PATCH REPAIR
	F	FAILED PATCH
	C	PATCH WITH POOR COLOR MATCH
	P	POORLY IMPLEMENTED PATCH
	ED	EXISTING DUTCHMANS REPAIR
	FD	FAILED DUTCHMAN REPAIR
	EDJO	EXISTING DUTCHMAN, JOINTS OPEN
ANCHORS		
	AA	ABANDONED ANCHOR
	AF	FUNCTIONAL ANCHOR
SOILING		
	EFF	EFFLORESCENCE
	GU	GUANO
	BS	BIOLOGICAL STAINING

State of Wyoming
Administration & Information
Construction Management

Capitol Square
Rehabilitation and Restoration
State of Wyoming A&I Construction Management

HDR PDP PLAN ARCHITECT

PRELIMINARY
NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION
1	2014/12/19	SD OWNER REVIEW

PROJECT NUMBER	203619
ORIGINAL ISSUE	- - -
PKG. IDENTIFIER	2

EXTERIOR CONDITION SOUTH ELEVATION BAYS

SCALE: AS NOTED

2AF236

Schematic Design

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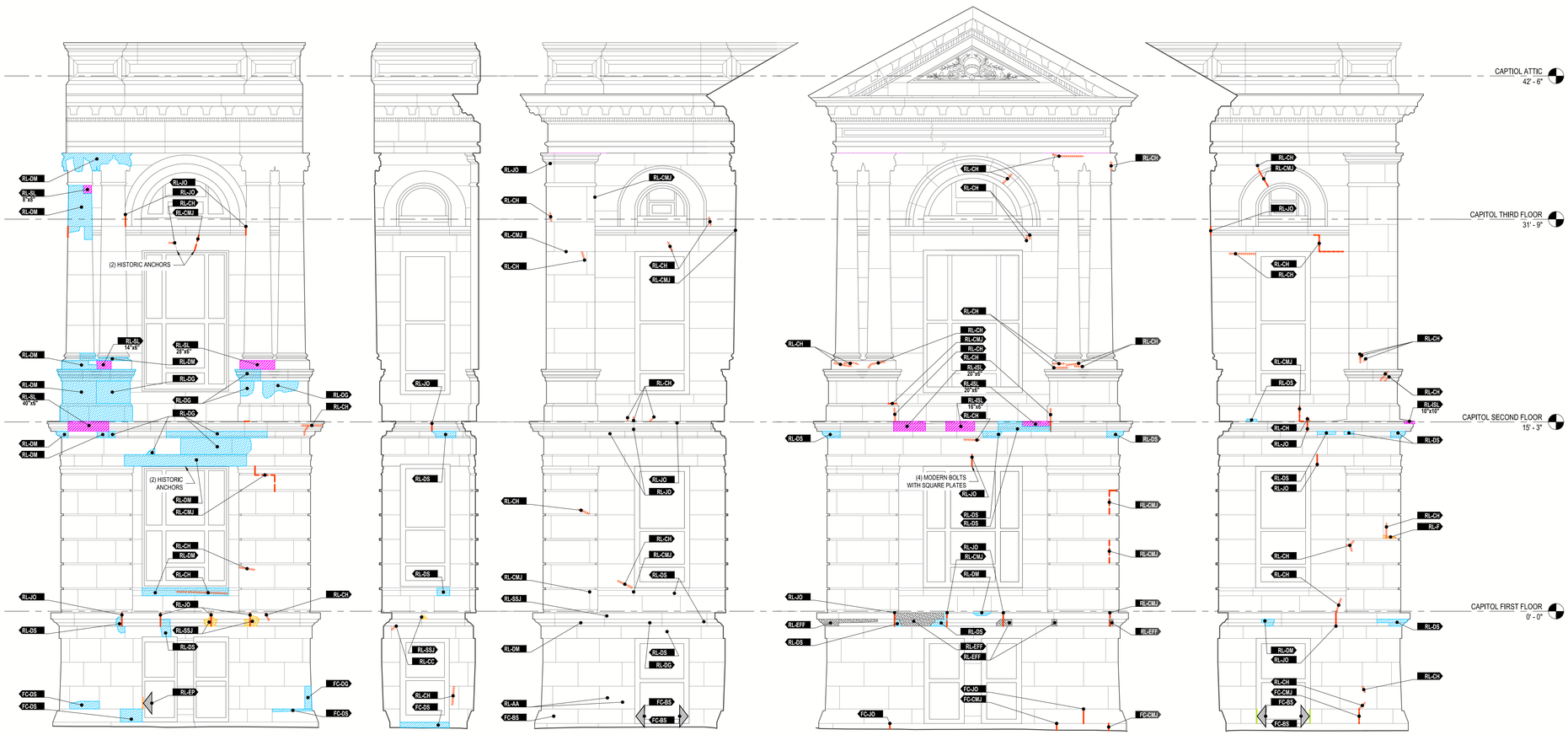
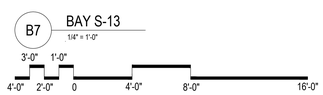
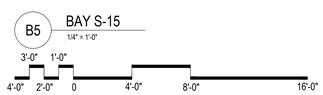


B7 BAY S-13 1/4" = 1'-0"

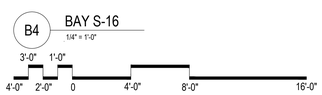


B6 BAY S-14 1/4" = 1'-0"

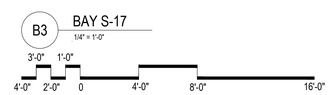
B5 BAY S-15 1/4" = 1'-0"



B4 BAY S-16 1/4" = 1'-0"



B3 BAY S-17 1/4" = 1'-0"

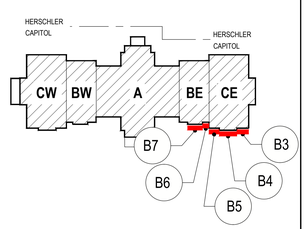


GENERAL NOTES

CONSTRUCTION KEYNOTES

GRAPHIC LEGEND

KEY PLAN



KEY - EXTERIOR CONDITION ANNOTATION

MATERIAL ABBREVIATION — CONDITION ABBREVIATION (e.g. RL-SSP)

MATERIAL

ABBREVIATION	MATERIAL
RL	RAWLIN'S SANDSTONE
FC	FORT COLLINS SANDSTONE

CONDITION

HATCH	ABBREVIATION	CONDITION
CRACKS		
	CC	CRACK AT CORNER
	CP	CRACK THROUGH ENTIRE UNIT
	CH	HAIRLINE CRACK
	CJ	CRACK ADJACENT TO JOINT
	CMJ	CRACK IN MASONRY JOINT
JOINTS		
	JD	DETERIORATED JOINTS
	JO	OPEN JOINTS
	JI	INAPPROPRIATE JOINT MATERIAL
	JW	JOINT WIDTH EXCEEDS 3/4"
SPALLS		
	SS	SMALL SPALL - LESS THAN 2 INCHES SQUARE, LESS THAN 1/2-INCH DEEP
	SSP	SMALL SPALL - PROFILED
	SSC	SMALL SPALL - CARVED
	SSJ	SMALL SPALL - ADJACENT TO JOINT
	SL	LARGE SPALL - GREATER THAN 2 INCHES SQUARE, GREATER THAN 1/2-INCH DEEP
	SLP	LARGE SPALL - PROFILED
	SLC	LARGE SPALL - CARVED
	SLJ	LARGE SPALL - ADJACENT TO JOINT
	ISL	LARGE SPALL - INCIPIENT
	ISLP	LARGE SPALL - INCIPIENT, PROFILED
	ISLC	LARGE SPALL - INCIPIENT, CARVED
	SLF	LARGE SPALL - ACROSS ENTIRE FACE OF STONE
	SLFP	LARGE SPALL - ACROSS ENTIRE PROFILED FACE OF STONE
	SRE	LARGE SPALL - COMPROMISED INTEGRITY OF STONE
DELAMINATION		
	DS	LESS THAN 1/8-INCH
	DM	GREATER THAN 1/8-INCH, BUT LESS THAN 1/2-INCH
	DG	GREATER THAN 1/2-INCH
PREVIOUS REPAIRS		
	EP	EXISTING PATCH REPAIR
	F	FAILED PATCH
	C	PATCH WITH POOR COLOR MATCH
	P	POORLY IMPLEMENTED PATCH
	ED	EXISTING DUTCHMANS REPAIR
	FD	FAILED DUTCHMAN REPAIR
	EDJO	EXISTING DUTCHMAN, JOINTS OPEN
ANCHORS		
	AA	ABANDONED ANCHOR
	AF	FUNCTIONAL ANCHOR
SOILING		
	EFF	EFFLORESCENCE
	GU	GUANO
	BS	BIOLOGICAL STAINING

State of Wyoming

Administration & Information
Construction Management

Capitol Square
Rehabilitation and Restoration
State of Wyoming A&I Construction Management

HDR PDP PLAN ARCHITECT

PRELIMINARY
NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION
1	2014/12/19	SD OWNER REVIEW

PROJECT NUMBER 203619
ORIGINAL ISSUE --
PKG. IDENTIFIER 2

EXTERIOR CONDITION SOUTH ELEVATION BAYS

SCALE AS NOTED

2AF237

Schematic Design

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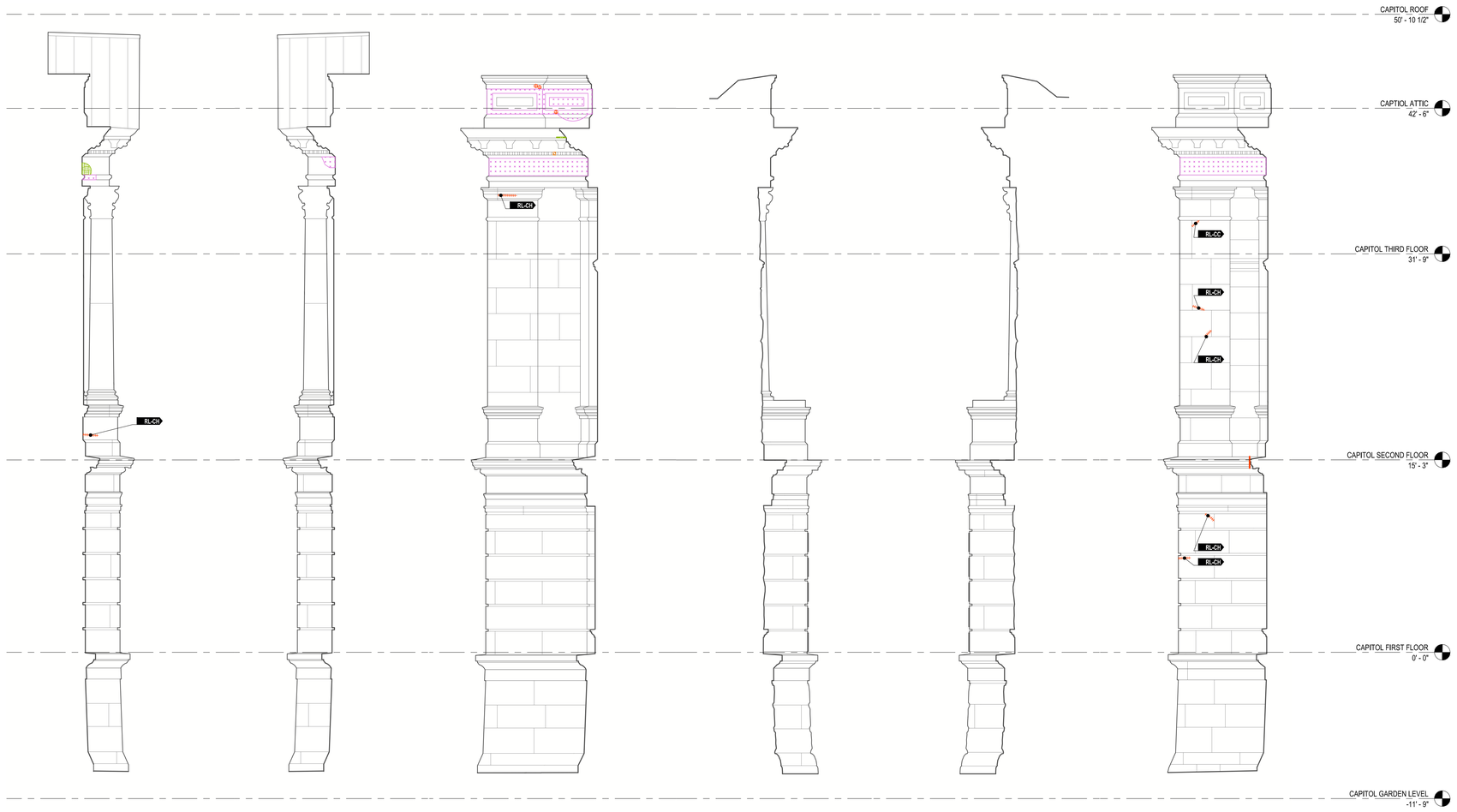

B7 RETURN S-02a
1/4" = 1'-0"

B6 RETURN S-02b
1/4" = 1'-0"

B5 RETURN S-03a
1/4" = 1'-0"

B4 RETURN S-05a
1/4" = 1'-0"

B3 RETURN S-05b
1/4" = 1'-0"

B2 RETURN S-06a
1/4" = 1'-0"

3'-0" 1'-0"
4'-0" 2'-0" 0 4'-0" 8'-0" 16'-0"

KEY - EXTERIOR CONDITION ANNOTATION

MATERIAL ABBREVIATION — CONDITION ABBREVIATION
RL-SSP

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ABBREVIATION	MATERIAL
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	DS	LESS THAN 1/8-INCH
	DM	GREATER THAN 1/8-INCH, BUT LESS THAN 1/2-INCH
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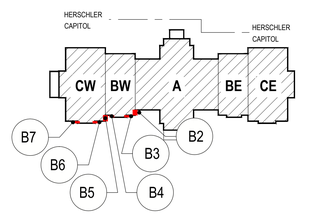
	FD	FAILED DUTCHMAN REPAIR
	EDJO	EXISTING DUTCHMAN, JOINTS OPEN
ANCHORS		
	AA	ABANDONED ANCHOR
	AF	FUNCTIONAL ANCHOR
SOILING		
	EFF	EFFLORESCENCE
	GU	GUANO
	BS	BIOLOGICAL STAINING

GENERAL NOTES

CONSTRUCTION KEYNOTES

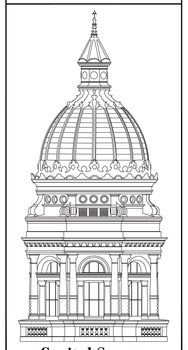
GRAPHIC LEGEND

KEY PLAN



State of Wyoming

Administration & Information
Construction Management



Capitol Square
Rehabilitation and Restoration
State of Wyoming A&I Construction Management

HDR PDP PLAN ARCHITECT

PRELIMINARY
NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION
1	2014/12/19	SD OWNER REVIEW

PROJECT NUMBER	203619
ORIGINAL ISSUE	- -
PKG. IDENTIFIER	2

EXTERIOR CONDITION SOUTH ELEVATION RETURNS

SCALE: AS NOTED

2AF238

Schematic Design

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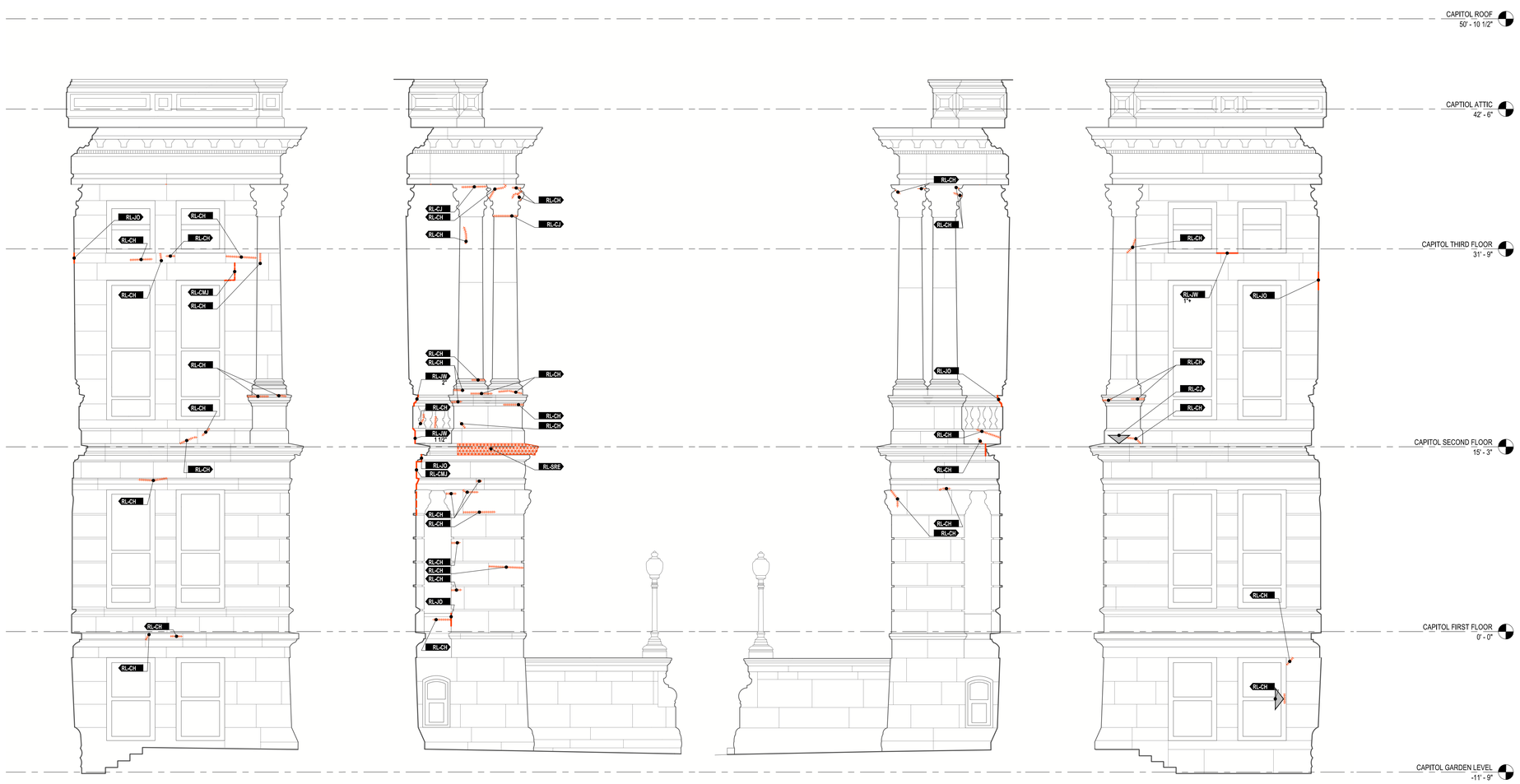
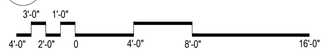
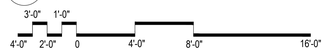


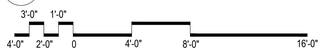
B7 RETURN S-08a
1/4" = 1'-0"



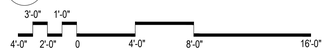
B6 RETURN S-09a
1/4" = 1'-0"



B4 RETURN S-09b
1/4" = 1'-0"



B3 RETURN S-10a
1/4" = 1'-0"

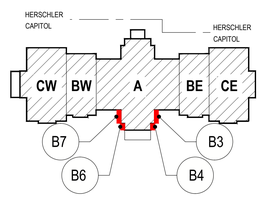


GENERAL NOTES

CONSTRUCTION KEYNOTES

GRAPHIC LEGEND

KEY PLAN



KEY - EXTERIOR CONDITION ANNOTATION

MATERIAL ABBREVIATION — CONDITION ABBREVIATION — RL-SSP

MATERIAL

ABBREVIATION	MATERIAL
RL	RAWLIN'S SANDSTONE
FC	FORT COLLINS SANDSTONE

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JOINTS		
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	JO	OPEN JOINTS
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SPALLS		
	SS	SMALL SPALL - LESS THAN 2 INCHES SQUARE, LESS THAN 1/2-INCH DEEP
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	DS	LESS THAN 1/8-INCH
	DM	GREATER THAN 1/8-INCH, BUT LESS THAN 1/2-INCH
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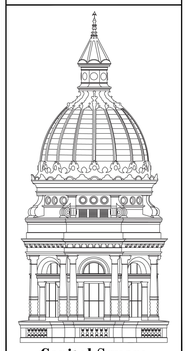
State of Wyoming

Administration & Information
Construction Management



Capitol Square
Rehabilitation and Restoration
State of Wyoming A&I Construction Management

HDR PDP PLAN ARCHITECT

PRELIMINARY
NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION
1	2014/12/19	SD OWNER REVIEW

PROJECT NUMBER	203619
ORIGINAL ISSUE	- -
PKG. IDENTIFIER	2

EXTERIOR CONDITION SOUTH ELEVATION RETURNS

SCALE: AS NOTED

2AF239

Schematic Design

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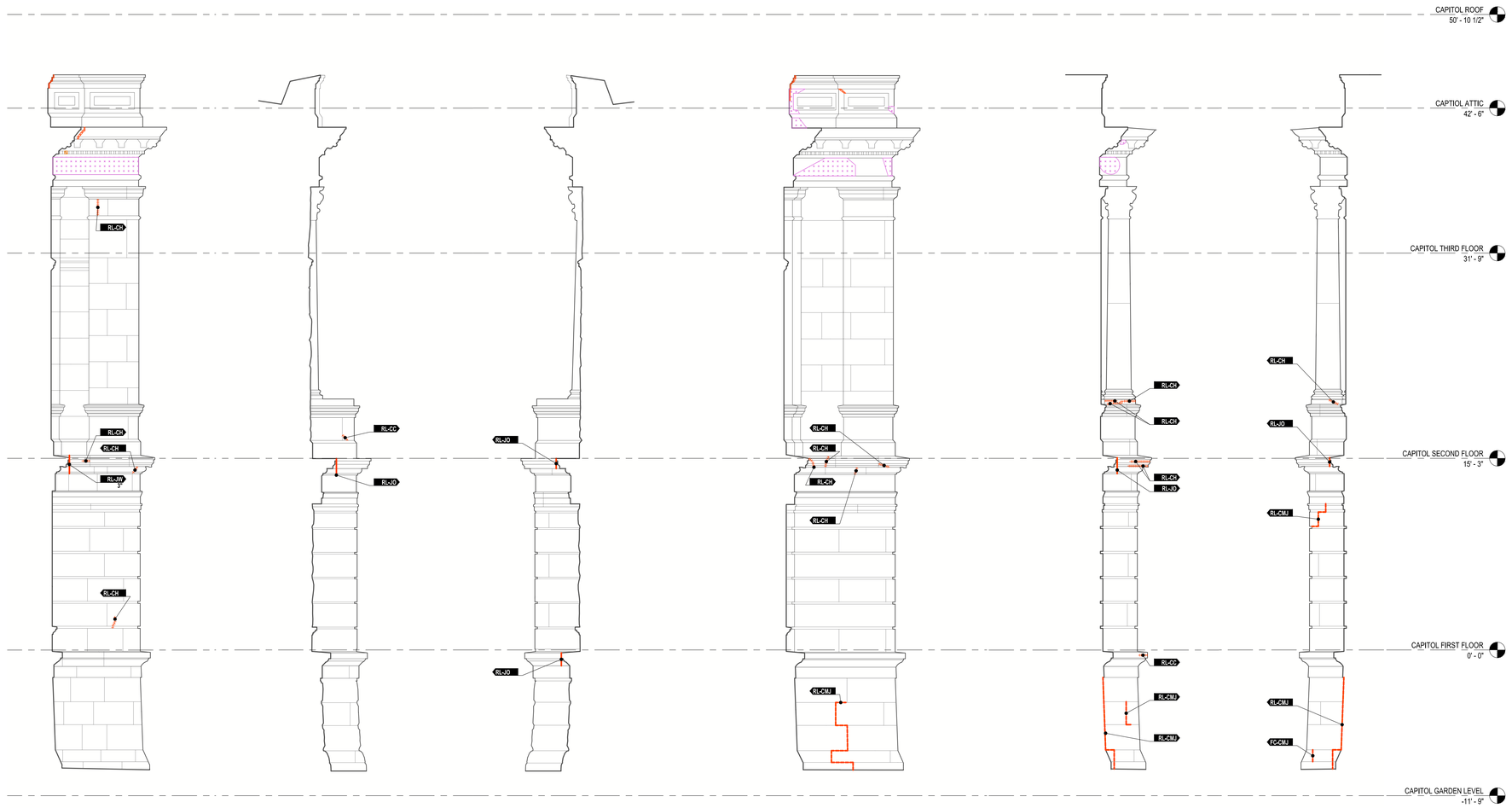


B7 RETURN S-12a
1/4" = 1'-0"

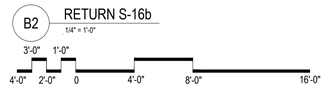
B6 RETURN S-13a
1/4" = 1'-0"

B5 RETURN S-13b
1/4" = 1'-0"

B4 RETURN S-15a
1/4" = 1'-0"

B3 RETURN S-16a
1/4" = 1'-0"

B2 RETURN S-16b
1/4" = 1'-0"



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ABBREVIATION	MATERIAL
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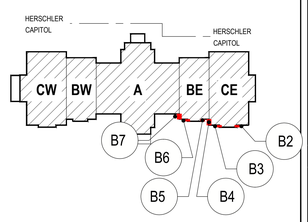
	ISLP	LARGE SPALL - INCIPIENT, PROFILED
	ISLC	LARGE SPALL - INCIPIENT, CARVED
	SLF	LARGE SPALL - ACROSS ENTIRE FACE OF STONE
	SLFP	LARGE SPALL - ACROSS ENTIRE PROFILED FACE OF STONE
	SRE	LARGE SPALL - COMPROMISED INTEGRITY OF STONE
DELAMINATION		
	DS	LESS THAN 1/8-INCH
	DM	GREATER THAN 1/8-INCH, BUT LESS THAN 1/2-INCH
	DG	GREATER THAN 1/2-INCH
PREVIOUS REPAIRS		
	EP	EXISTING PATCH REPAIR
	F	FAILED PATCH
	C	PATCH WITH POOR COLOR MATCH
	P	POORLY IMPLEMENTED PATCH
	ED	EXISTING DUTCHMANS REPAIR
	FD	FAILED DUTCHMAN REPAIR
	EDJO	EXISTING DUTCHMAN, JOINTS OPEN
ANCHORS		
	AA	ABANDONED ANCHOR
	AF	FUNCTIONAL ANCHOR
SOILING		
	EFF	EFFLORESCENCE
	GU	GUANO
	BS	BIOLOGICAL STAINING

GENERAL NOTES

CONSTRUCTION KEYNOTES

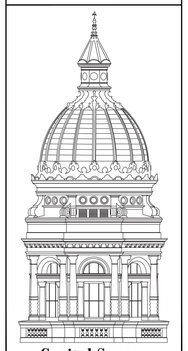
GRAPHIC LEGEND

KEY PLAN



State of Wyoming

Administration & Information
Construction Management



Capitol Square
Rehabilitation and Restoration
State of Wyoming A&I Construction Management

HDR PDP PLAN ARCHITECT

PRELIMINARY
NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION
1	2014/12/19	SD OWNER REVIEW

PROJECT NUMBER	203619
ORIGINAL ISSUE	- -
PKG. IDENTIFIER	2

EXTERIOR CONDITION SOUTH ELEVATION RETURNS

SCALE: AS NOTED

2AF240

Schematic Design

P:\13.001 Wyoming State Capitol\07_Drawings\07_01_CADD Drawings\02_As-Found Conditions\2AF210s_Exterior Conditions ELEVATIONS South Returns.dwg
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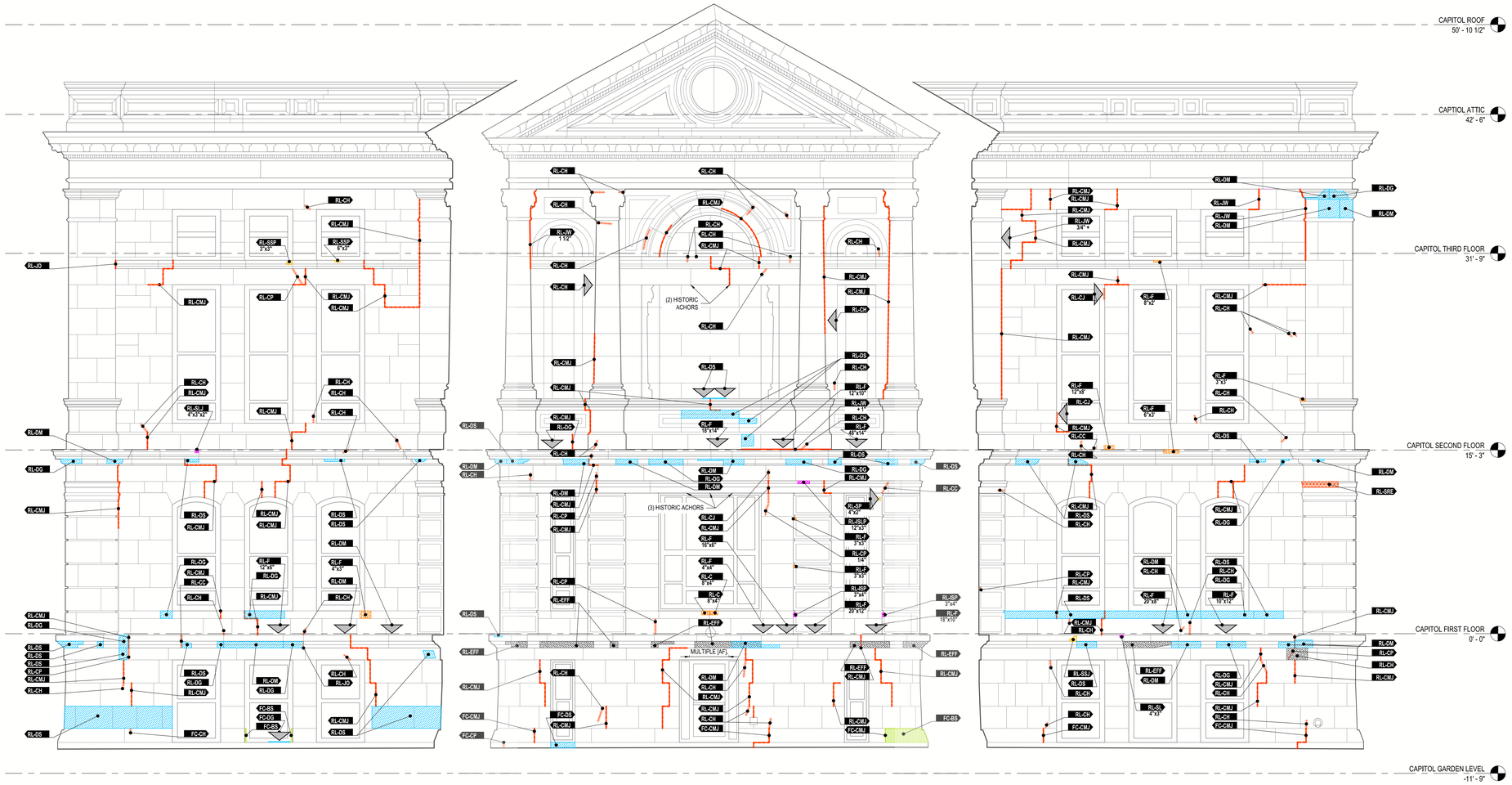

B7 BAY E-18
1/4" = 1'-0"
3'-0" 1'-0"
4'-0" 2'-0" 0 4'-0" 8'-0" 16'-0"

B5 BAY E-19
1/4" = 1'-0"
3'-0" 1'-0"
4'-0" 2'-0" 0 4'-0" 8'-0" 16'-0"

B3 BAY E-20
1/4" = 1'-0"
3'-0" 1'-0"
4'-0" 2'-0" 0 4'-0" 8'-0" 16'-0"

KEY - EXTERIOR CONDITION ANNOTATION

MATERIAL ABBREVIATION — CONDITION ABBREVIATION — RL-SSP

MATERIAL

ABBREVIATION	MATERIAL
RL	RAWLIN'S SANDSTONE
FC	FORT COLLINS SANDSTONE

CONDITION

HATCH	ABBREVIATION	CONDITION
CRACKS		
	CC	CRACK AT CORNER
	CP	CRACK THROUGH ENTIRE UNIT
	CH	HAIRLINE CRACK
	CJ	CRACK ADJACENT TO JOINT
	CMJ	CRACK IN MASONRY JOINT
JOINTS		
	JD	DETERIORATED JOINTS
	JO	OPEN JOINTS
	JI	INAPPROPRIATE JOINT MATERIAL
	JW	JOINT WIDTH EXCEEDS 3/4"
SPALLS		
	SS	SMALL SPALL - LESS THAN 2 INCHES SQUARE, LESS THAN 1/2-INCH DEEP
	SSP	SMALL SPALL - PROFILED
	SSC	SMALL SPALL - CARVED
	SSJ	SMALL SPALL - ADJACENT TO JOINT
	SL	LARGE SPALL - GREATER THAN 2 INCHES SQUARE, GREATER THAN 1/2-INCH DEEP
	SLP	LARGE SPALL - PROFILED
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	SLJ	LARGE SPALL - ADJACENT TO JOINT
	ISL	LARGE SPALL - INCIPIENT
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	ISLC	LARGE SPALL - INCIPIENT, CARVED
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	DS	LESS THAN 1/8-INCH
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	ED	EXISTING DUTCHMANS REPAIR
	FD	FAILED DUTCHMAN REPAIR
	EDJO	EXISTING DUTCHMAN; JOINTS OPEN
ANCHORS		
	AA	ABANDONED ANCHOR
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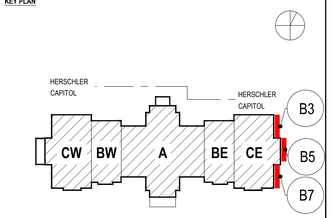
SOILING		
	EFF	EFFLORESCENCE
	GU	GUANO
	BS	BIOLOGICAL STAINING

GENERAL NOTES

CONSTRUCTION KEYNOTES

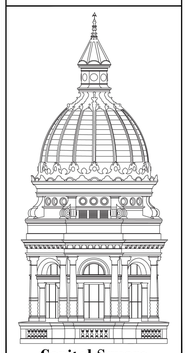
GRAPHIC LEGEND

KEY PLAN



State of Wyoming

Administration & Information
Construction Management



Capitol Square
Rehabilitation and Restoration
State of Wyoming A&I Construction Management

HDR PDP PLAN ARCHITECT

PRELIMINARY
NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION
1	2014/12/19	SD OWNER REVIEW

PROJECT NUMBER	203619
ORIGINAL ISSUE	- -
PKG. IDENTIFIER	2

EXTERIOR CONDITION EAST ELEVATION BAYS

SCALE	AS NOTED

2AF241

Schematic Design

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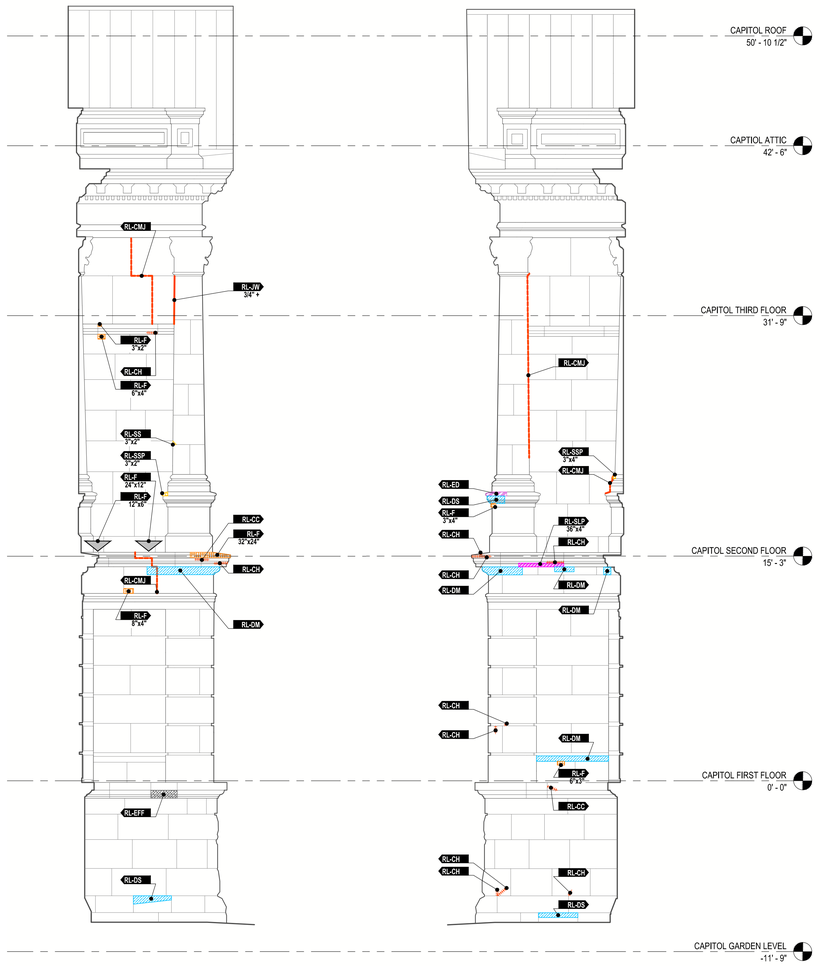

B4 RETURN E-19a
1/4" = 1'-0"

3'-0" 1'-0"
4'-0" 2'-0" 0 4'-0" 8'-0" 16'-0"

B3 RETURN E-19b
1/4" = 1'-0"

3'-0" 1'-0"
4'-0" 2'-0" 0 4'-0" 8'-0" 16'-0"

KEY - EXTERIOR CONDITION ANNOTATION

MATERIAL ABBREVIATION — CONDITION ABBREVIATION

RL-SSP

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	CJ	CRACK ADJACENT TO JOINT
	CMJ	CRACK IN MASONRY JOINT
JOINTS		
	JD	DETERIORATED JOINTS
	JO	OPEN JOINTS
	JI	INAPPROPRIATE JOINT MATERIAL
	JW	JOINT WIDTH EXCEEDS 3/4"
SPALLS		
	SS	SMALL SPALL - LESS THAN 2 INCHES SQUARE, LESS THAN 1/2-INCH DEEP
	SSP	SMALL SPALL - PROFILED
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	ISLP	LARGE SPALL - INCIPIENT, PROFILED
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	DS	LESS THAN 1/8-INCH
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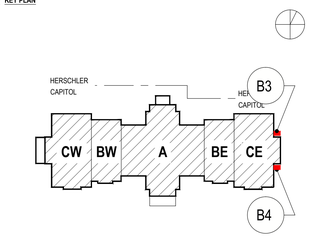
	EDJO	EXISTING DUTCHMAN, JOINTS OPEN
ANCHORS		
	AA	ABANDONED ANCHOR
	AF	FUNCTIONAL ANCHOR
SOILING		
	EFF	EFFLORESCENCE
	GU	GUANO
	BS	BIOLOGICAL STAINING

GENERAL NOTES

CONSTRUCTION KEYNOTES

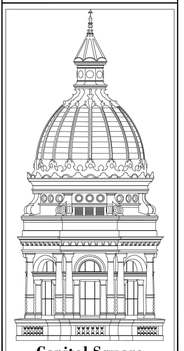
GRAPHIC LEGEND

KEY PLAN



State of Wyoming

Administration & Information
Construction Management



Capitol Square
Rehabilitation and Restoration
State of Wyoming A&I Construction Management

HDR PDP PLAN ARCHITECT

PRELIMINARY
NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION
1	2014/12/19	SD OWNER REVIEW

PROJECT NUMBER	203619
ORIGINAL ISSUE	- -
PKG. IDENTIFIER	2

EXTERIOR CONDITION EAST ELEVATION RETURNS

SCALE AS NOTED

2AF242

Schematic Design

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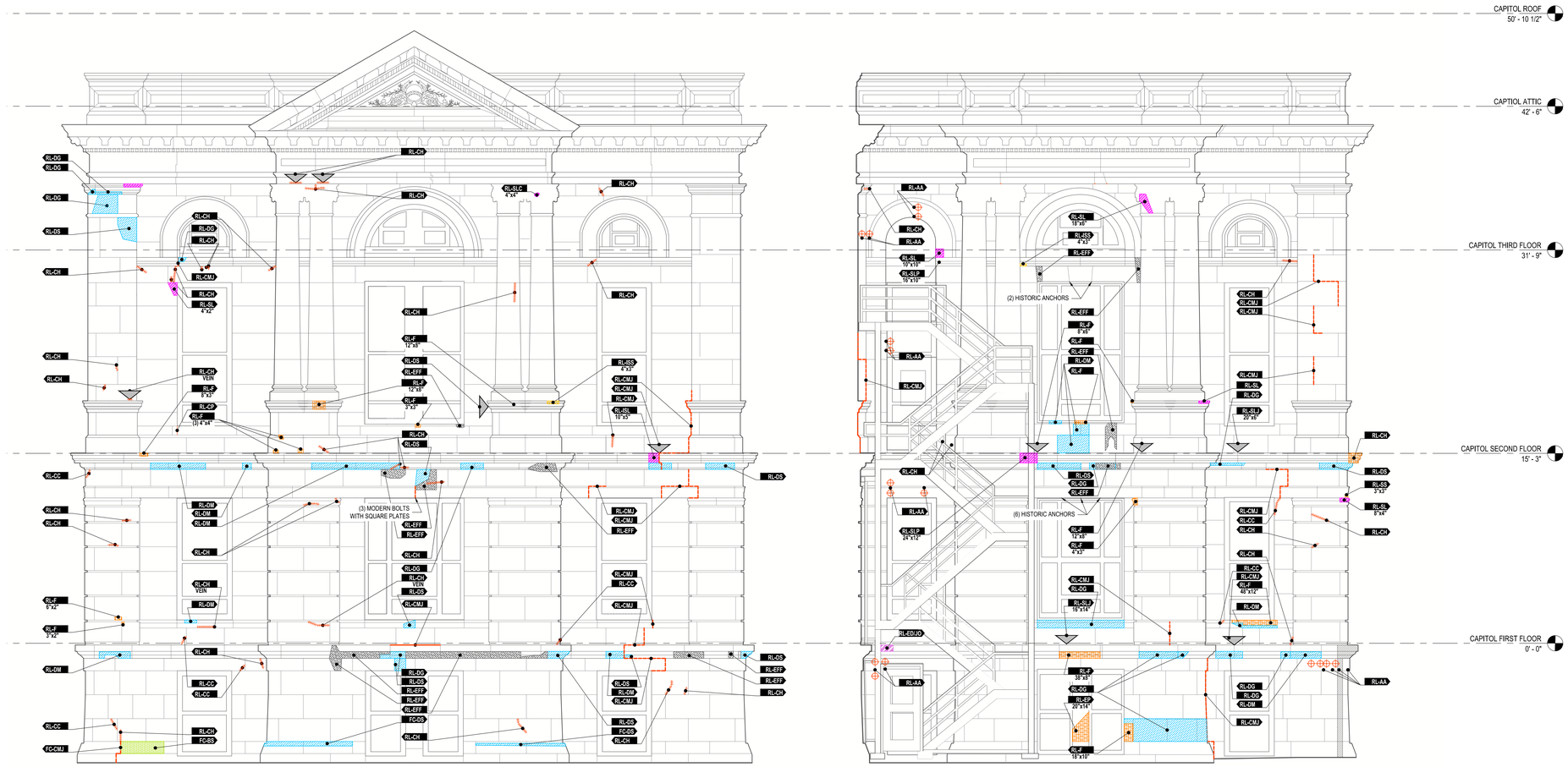


B7 BAY N-21
1/4" = 1'-0"

3'-0" 1'-0"
4'-0" 2'-0" 0 4'-0" 8'-0" 16'-0"

B3 BAY N-22
1/4" = 1'-0"

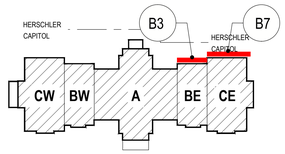
3'-0" 1'-0"
4'-0" 2'-0" 0 4'-0" 8'-0" 16'-0"

GENERAL NOTES

CONSTRUCTION KEYNOTES

GRAPHIC LEGEND

KEY PLAN



KEY - EXTERIOR CONDITION ANNOTATION

MATERIAL ABBREVIATION — CONDITION ABBREVIATION

RL-SSP

MATERIAL

ABBREVIATION	MATERIAL
RL	RAWLIN'S SANDSTONE
FC	FORT COLLINS SANDSTONE

CONDITION

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	CJ	CRACK ADJACENT TO JOINT
	CMJ	CRACK IN MASONRY JOINT
JOINTS		
	JD	DETERIORATED JOINTS
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	JI	INAPPROPRIATE JOINT MATERIAL
	JW	JOINT WIDTH EXCEEDS 3/4"
SPALLS		
	SS	SMALL SPALL - LESS THAN 2 INCHES SQUARE, LESS THAN 1/2-INCH DEEP
	SSP	SMALL SPALL - PROFILED
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	FD	FAILED DUTCHMAN REPAIR
	EDJO	EXISTING DUTCHMAN; JOINTS OPEN
ANCHORS		
	AA	ABANDONED ANCHOR
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SOILING		
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State of Wyoming

Administration & Information
Construction Management

Capitol Square
Rehabilitation and Restoration
State of Wyoming A&I Construction Management

HDR PDP PLAN ARCHITECT

PRELIMINARY
NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION
1	2014/12/19	SD OWNER REVIEW

PROJECT NUMBER	203619
ORIGINAL ISSUE	- -
PKG. IDENTIFIER	2

EXTERIOR CONDITION NORTH ELEVATION BAYS

SCALE AS NOTED

2AF243

Schematic Design

P:\13.001 Wyoming State Capitol\07_Drawings\07_01 CADD Drawings\02_As-Found Conditions\2AF210s_Exterior Conditions ELEVATIONS North.dwg
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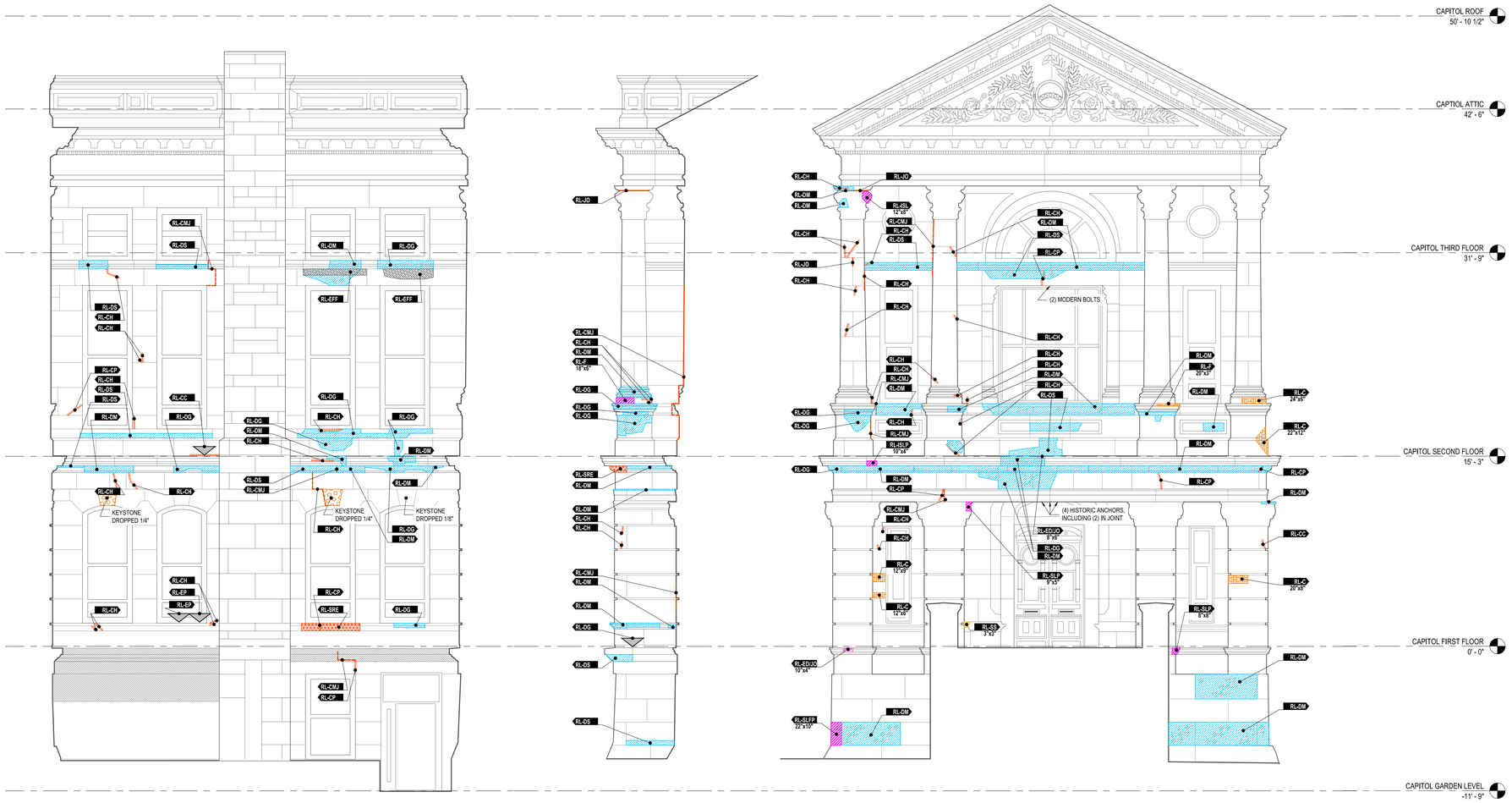
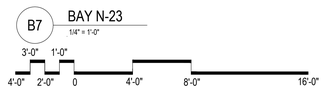
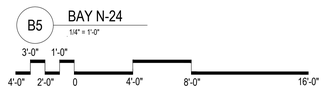
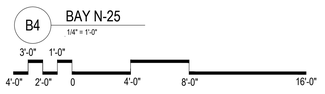






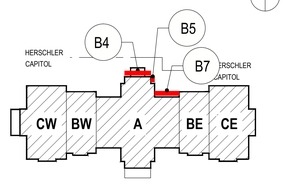


GENERAL NOTES

CONSTRUCTION KEYNOTES

GRAPHIC LEGEND

KEY PLAN



KEY - EXTERIOR CONDITION ANNOTATION

MATERIAL ABBREVIATION — CONDITION ABBREVIATION (e.g. RL-SSP)

MATERIAL

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RL	RAWLIN'S SANDSTONE
FC	FORT COLLINS SANDSTONE

CONDITION

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	CP	CRACK THROUGH ENTIRE UNIT
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	JI	INAPPROPRIATE JOINT MATERIAL
	JW	JOINT WIDTH EXCEEDS 3/4"
SPALLS		
	SS	SMALL SPALL - LESS THAN 2 INCHES SQUARE, LESS THAN 1/2-INCH DEEP
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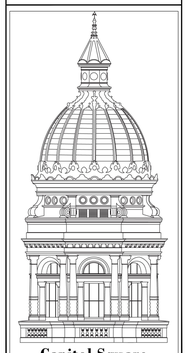
State of Wyoming

Administration & Information
Construction Management



Capitol Square
Rehabilitation and Restoration
State of Wyoming A&I Construction Management

HDR PDP PLAN ARCHITECT

PRELIMINARY
NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION
1	2014/12/19	SD OWNER REVIEW

PROJECT NUMBER	203619
ORIGINAL ISSUE	- -
PKG. IDENTIFIER	2

EXTERIOR CONDITION NORTH ELEVATION BAYS

SCALE: AS NOTED

2AF244

Schematic Design

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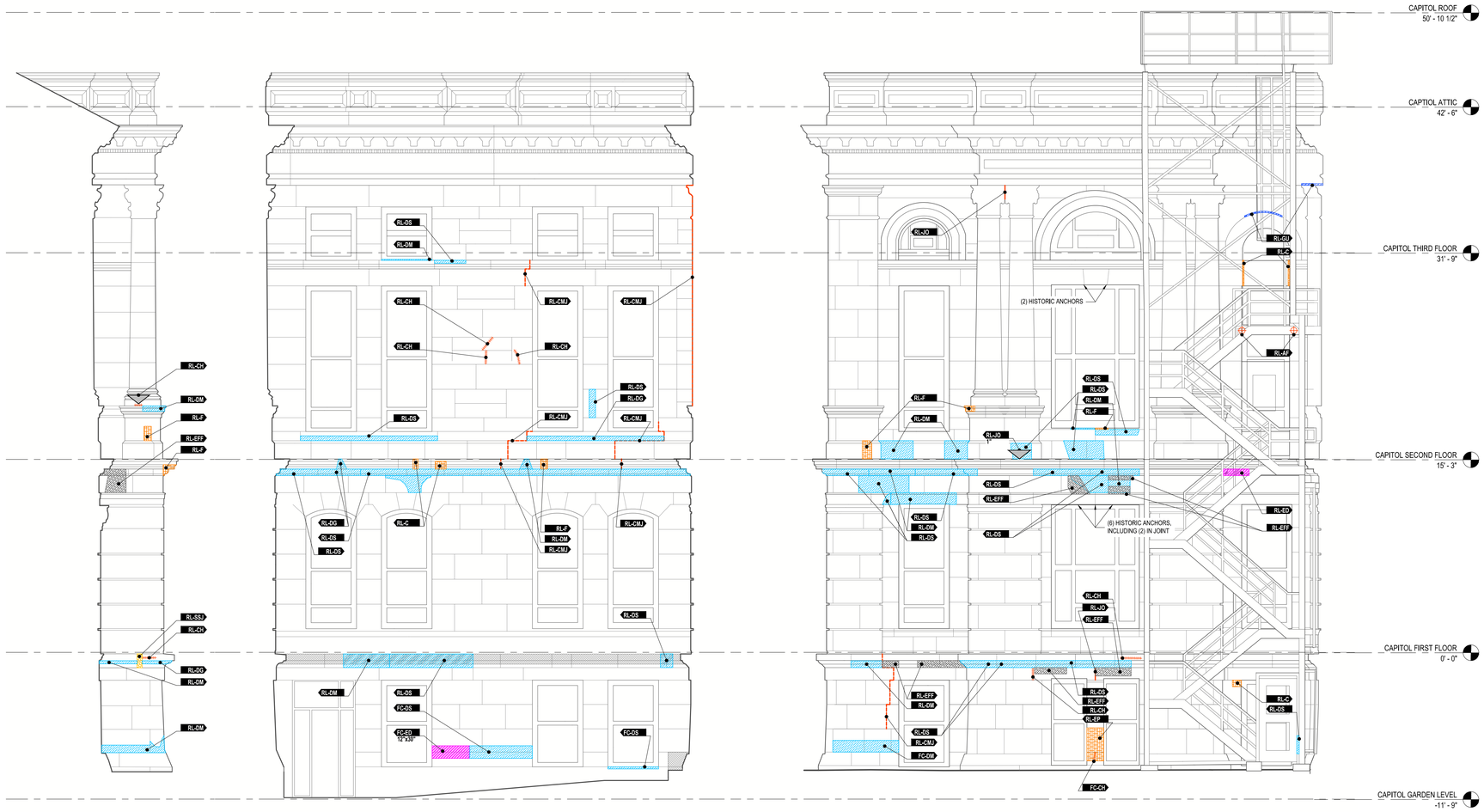
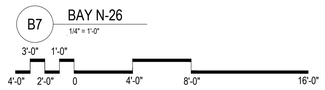
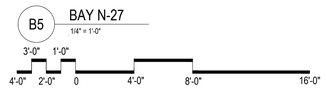


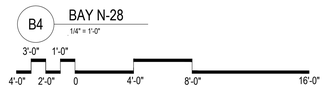
B7 BAY N-26
1/4" = 1'-0"



B5 BAY N-27
1/4" = 1'-0"



B4 BAY N-28
1/4" = 1'-0"

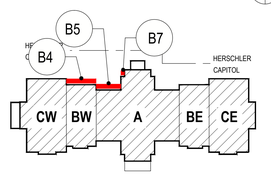


GENERAL NOTES

CONSTRUCTION KEYNOTES

GRAPHIC LEGEND

KEY PLAN



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	SLC	LARGE SPALL - CARVED
	SLJ	LARGE SPALL - ADJACENT TO JOINT
	ISL	LARGE SPALL - INCIPIENT
	ISLP	LARGE SPALL - INCIPIENT, PROFILED
	ISLC	LARGE SPALL - INCIPIENT, CARVED
	SLF	LARGE SPALL - ACROSS ENTIRE FACE OF STONE
	SLFP	LARGE SPALL - ACROSS ENTIRE PROFILED FACE OF STONE
	SRE	LARGE SPALL - COMPROMISED INTEGRITY OF STONE
DELAMINATION		
	DS	LESS THAN 1/8-INCH
	DM	GREATER THAN 1/8-INCH, BUT LESS THAN 1/2-INCH
	DG	GREATER THAN 1/2-INCH
PREVIOUS REPAIRS		
	EP	EXISTING PATCH REPAIR
	F	FAILED PATCH
	C	PATCH WITH POOR COLOR MATCH
	P	POORLY IMPLEMENTED PATCH
	ED	EXISTING DUTCHMANS REPAIR
	FD	FAILED DUTCHMAN REPAIR
	EDJO	EXISTING DUTCHMAN; JOINTS OPEN
ANCHORS		
	AA	ABANDONED ANCHOR
	AF	FUNCTIONAL ANCHOR
SOILING		
	EFF	EFFLORESCENCE
	GU	GUANO
	BS	BIOLOGICAL STAINING

State of Wyoming
Administration & Information
Construction Management

Capitol Square
Rehabilitation and Restoration
State of Wyoming A&I Construction Management

HDR PDP PLAN

PRELIMINARY
NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION
1	2014/12/19	SD OWNER REVIEW

PROJECT NUMBER	203619
ORIGINAL ISSUE	- -
PKG. IDENTIFIER	2

EXTERIOR CONDITION NORTH ELEVATION BAYS

SCALE: AS NOTED

2AF245

Schematic Design

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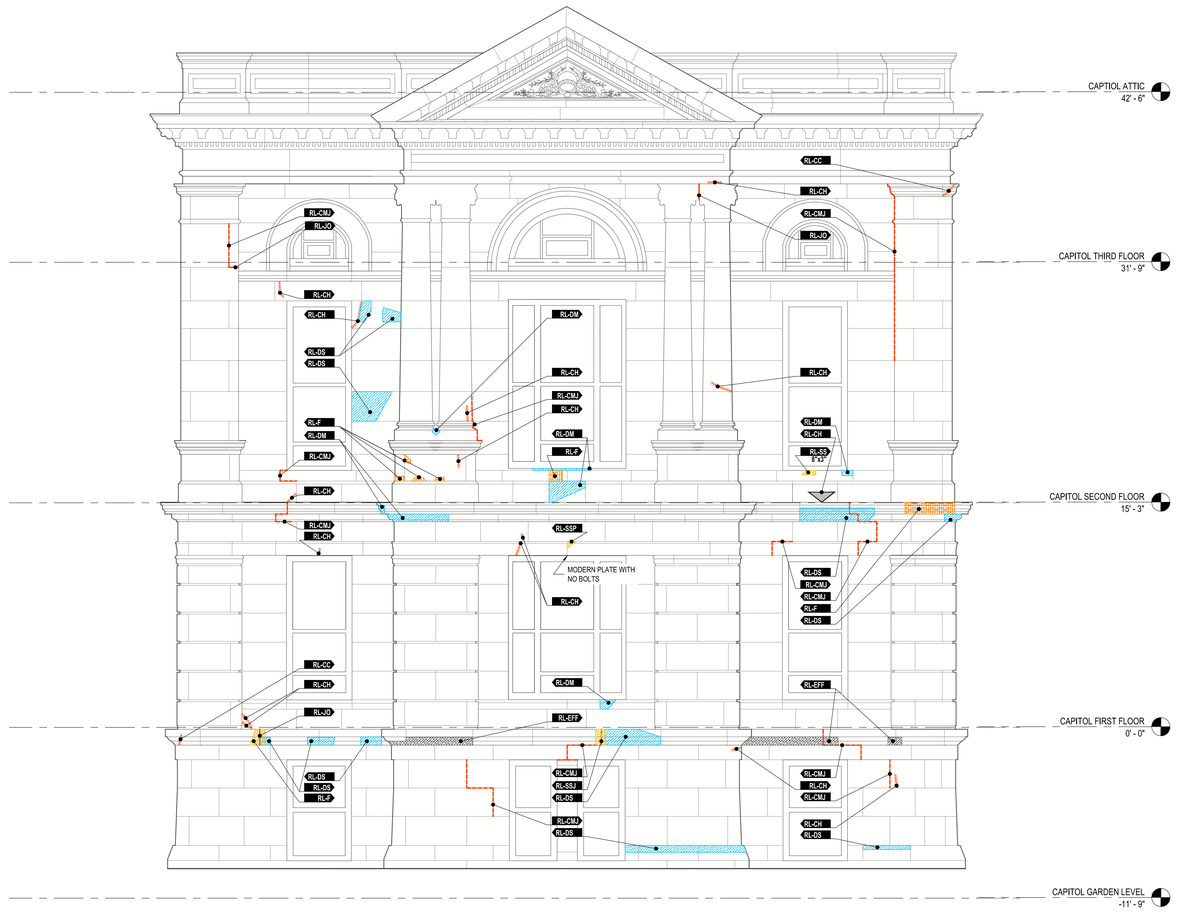

B4 BAY N-29

1/4" = 1'-0"

3'-0" 1'-0" 4'-0" 2'-0" 0 4'-0" 8'-0" 16'-0"

KEY - EXTERIOR CONDITION ANNOTATION

MATERIAL ABBREVIATION — CONDITION ABBREVIATION (e.g. RL-SSP)

MATERIAL

ABBREVIATION	MATERIAL
RL	RAWLIN'S SANDSTONE
FC	FORT COLLINS SANDSTONE

CONDITION

HATCH	ABBREVIATION	CONDITION
CRACKS		
	CC	CRACK AT CORNER
	CP	CRACK THROUGH ENTIRE UNIT
	CH	HAIRLINE CRACK
	CJ	CRACK ADJACENT TO JOINT
	CMJ	CRACK IN MASONRY JOINT
JOINTS		
	JD	DETERIORATED JOINTS
	JO	OPEN JOINTS
	JI	INAPPROPRIATE JOINT MATERIAL
	JW	JOINT WIDTH EXCEEDS 3/4"
SPALLS		
	SS	SMALL SPALL - LESS THAN 2 INCHES SQUARE, LESS THAN 1/2-INCH DEEP
	SSP	SMALL SPALL - PROFILED
	SSC	SMALL SPALL - CARVED
	SSJ	SMALL SPALL - ADJACENT TO JOINT
	SL	LARGE SPALL - GREATER THAN 2 INCHES SQUARE, GREATER THAN 1/2-INCH DEEP
	SLP	LARGE SPALL - PROFILED
	SLC	LARGE SPALL - CARVED
	SLJ	LARGE SPALL - ADJACENT TO JOINT
	ISL	LARGE SPALL - INCIPIENT
	ISLP	LARGE SPALL - INCIPIENT, PROFILED
	ISLC	LARGE SPALL - INCIPIENT, CARVED
	SLF	LARGE SPALL - ACROSS ENTIRE FACE OF STONE
	SLFP	LARGE SPALL - ACROSS ENTIRE PROFILED FACE OF STONE
	SRE	LARGE SPALL - COMPROMISED INTEGRITY OF STONE
DELAMINATION		
	DS	LESS THAN 1/8-INCH
	DM	GREATER THAN 1/8-INCH, BUT LESS THAN 1/2-INCH
	DG	GREATER THAN 1/2-INCH
PREVIOUS REPAIRS		
	EP	EXISTING PATCH REPAIR
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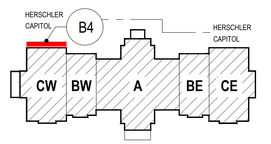
	P	POORLY IMPLEMENTED PATCH
	ED	EXISTING DUTCHMANS REPAIR
	FD	FAILED DUTCHMAN REPAIR
	EDJO	EXISTING DUTCHMAN, JOINTS OPEN
ANCHORS		
	AA	ABANDONED ANCHOR
	AF	FUNCTIONAL ANCHOR
SOILING		
	EFF	EFFLORESCENCE
	GU	GUANO
	BS	BIOLOGICAL STAINING

GENERAL NOTES

CONSTRUCTION KEYNOTES

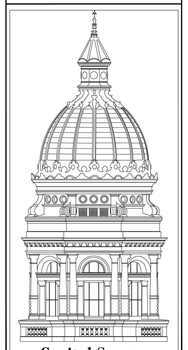
GRAPHIC LEGEND

KEY PLAN



State of Wyoming

Administration & Information
Construction Management



Capitol Square
Rehabilitation and Restoration
State of Wyoming A&I Construction Management

HDR PDP PLAN ARCHITECT

PRELIMINARY
NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION
1	2014/12/19	SD OWNER REVIEW

PROJECT NUMBER	203619
ORIGINAL ISSUE	- -
PKG. IDENTIFIER	2

EXTERIOR CONDITION NORTH ELEVATION BAYS

SCALE: AS NOTED

2AF246

Schematic Design

P:\13.001 Wyoming State Capitol\07 Drawings\07_01 CADD Drawings\02_As-Found Conditions\2AF\10x_Exterior Conditions ELEVATIONS North.dwg
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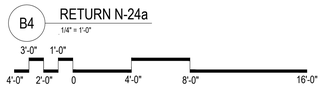
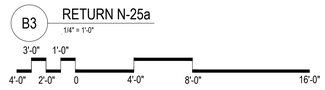
B7 RETURN N-21a
1/4" = 1'-0"

B5 RETURN N-22a
1/4" = 1'-0"

B4 RETURN N-24a
1/4" = 1'-0"



B3 RETURN N-25a
1/4" = 1'-0"

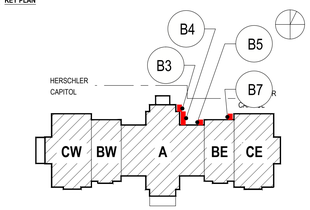


GENERAL NOTES

CONSTRUCTION KEYNOTES

GRAPHIC LEGEND

KEY PLAN



KEY - EXTERIOR CONDITION ANNOTATION

MATERIAL ABBREVIATION — CONDITION ABBREVIATION (RL-SSP)

MATERIAL

ABBREVIATION	MATERIAL
RL	RAWLIN'S SANDSTONE
FC	FORT COLLINS SANDSTONE

CONDITION

HATCH	ABBREVIATION	CONDITION
CRACKS		
	CC	CRACK AT CORNER
	CP	CRACK THROUGH ENTIRE UNIT
	CH	HAIRLINE CRACK
	CJ	CRACK ADJACENT TO JOINT
	CMJ	CRACK IN MASONRY JOINT
JOINTS		
	JD	DETERIORATED JOINTS
	JO	OPEN JOINTS
	JI	INAPPROPRIATE JOINT MATERIAL
	JW	JOINT WIDTH EXCEEDS 3/4"
SPALLS		
	SS	SMALL SPALL - LESS THAN 2 INCHES SQUARE, LESS THAN 1/2-INCH DEEP
	SSP	SMALL SPALL - PROFILED
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	DS	LESS THAN 1/8-INCH
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	DG	GREATER THAN 1/2-INCH
PREVIOUS REPAIRS		
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	P	POORLY IMPLEMENTED PATCH
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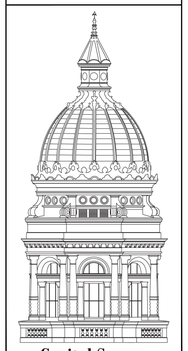
	FD	FAILED DUTCHMAN REPAIR
	EDJO	EXISTING DUTCHMAN, JOINTS OPEN
ANCHORS		
	AA	ABANDONED ANCHOR
	AF	FUNCTIONAL ANCHOR
SOILING		
	EFF	EFFLORESCENCE
	GU	GUANO
	BS	BIOLOGICAL STAINING

State of Wyoming

Administration & Information
Construction Management



Capitol Square
Rehabilitation and Restoration
State of Wyoming A&I Construction Management

HDR PDP PLAN ARCHITECT

PRELIMINARY
NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION
1	2014/12/19	SD OWNER REVIEW

PROJECT NUMBER	203619
ORIGINAL ISSUE	- -
PKG. IDENTIFIER	2

EXTERIOR CONDITION NORTH ELEVATION RETURNS

SCALE: AS NOTED

2AF247

Schematic Design

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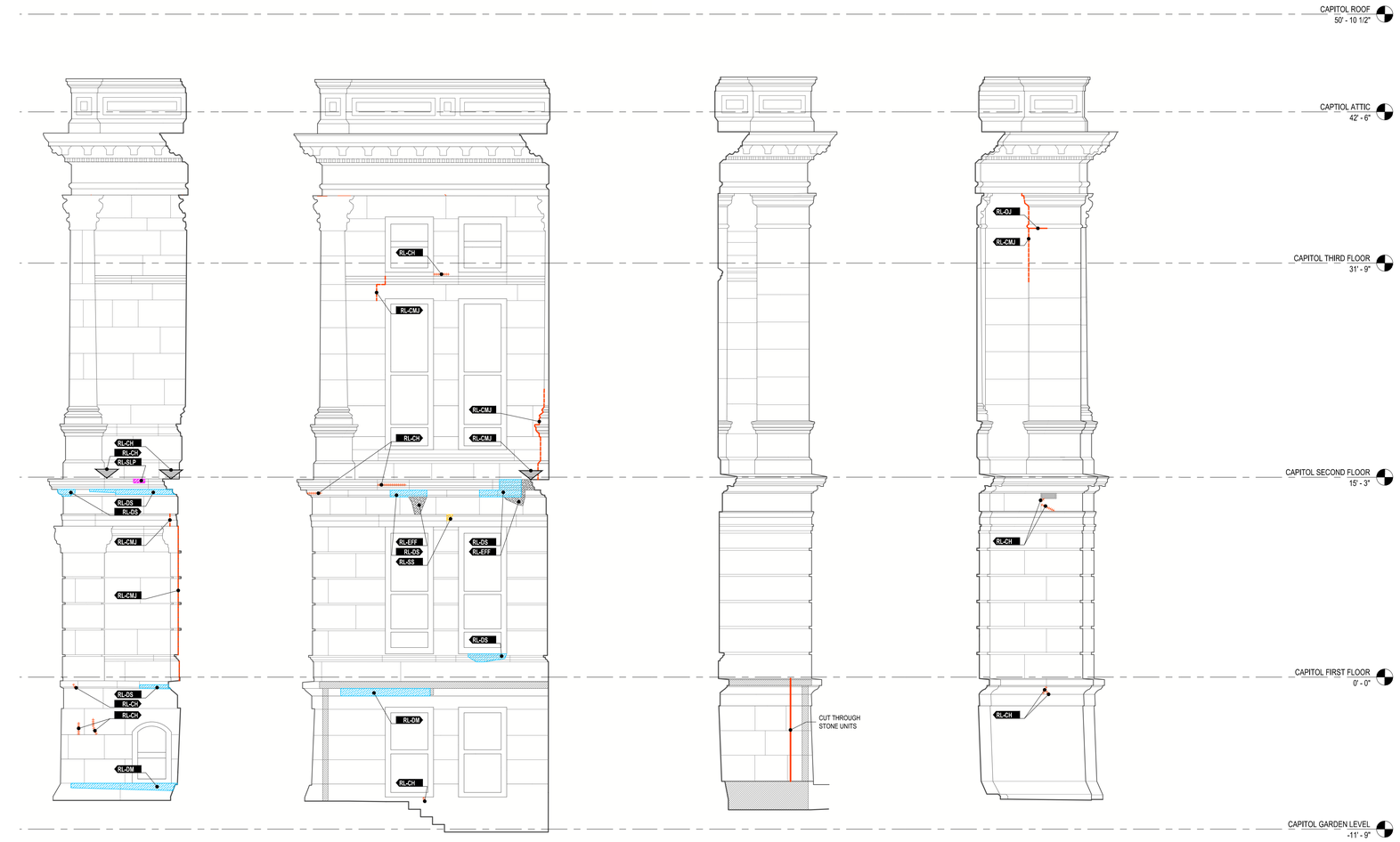

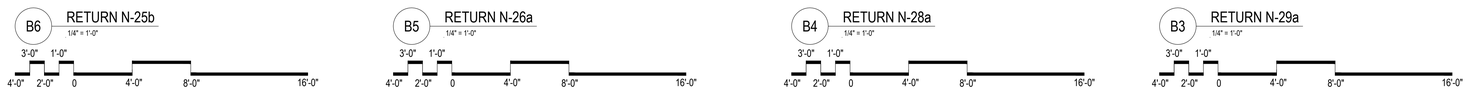

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JOINTS		
	JD	DETERIORATED JOINTS
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	JW	JOINT WIDTH EXCEEDS 3/4"
SPALLS		
	SS	SMALL SPALL - LESS THAN 2 INCHES SQUARE, LESS THAN 1/2-INCH DEEP
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	DS	LESS THAN 1/8-INCH
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PREVIOUS REPAIRS		
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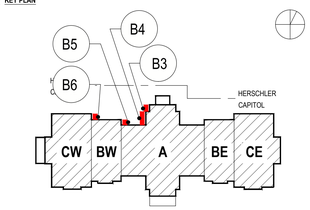
ANCHORS		
	AA	ABANDONED ANCHOR
	AF	FUNCTIONAL ANCHOR
SOILING		
	EFF	EFFLORESCENCE
	GU	GUANO
	BS	BIOLOGICAL STAINING

GENERAL NOTES

CONSTRUCTION KEYNOTES

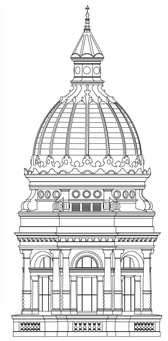
GRAPHIC LEGEND

KEY PLAN



State of Wyoming

Administration & Information
Construction Management



Capitol Square
Rehabilitation and Restoration
State of Wyoming A&I Construction Management

HDR PDP PLAN ARCHITECT

PRELIMINARY
NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION
1	2014/12/19	SD OWNER REVIEW

PROJECT NUMBER	203619
ORIGINAL ISSUE	- -
PKG. IDENTIFIER	2

EXTERIOR CONDITION NORTH ELEVATION RETURNS

SCALE: AS NOTED

2AF248

Schematic Design

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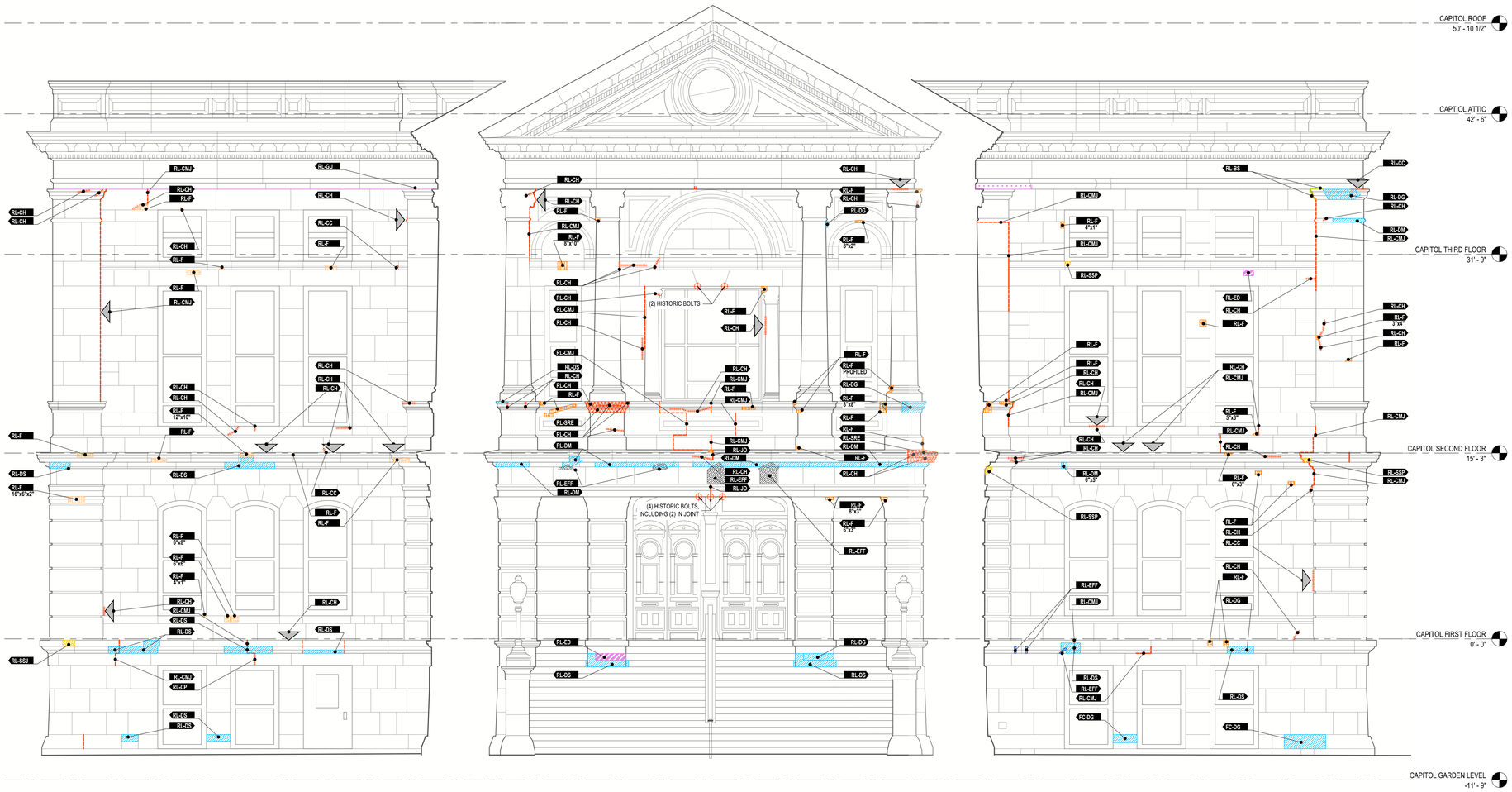


B7 BAY W-30
1/4" = 1'-0"

3'-0" 1'-0"
4'-0" 2'-0" 0 4'-0" 8'-0" 16'-0"

B5 BAY W-31
1/4" = 1'-0"

3'-0" 1'-0"
4'-0" 2'-0" 0 4'-0" 8'-0" 16'-0"

B3 BAY W-32
1/4" = 1'-0"

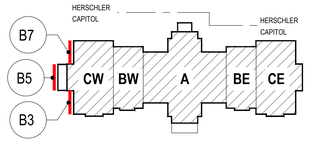
3'-0" 1'-0"
4'-0" 2'-0" 0 4'-0" 8'-0" 16'-0"

GENERAL NOTES

CONSTRUCTION KEYNOTES

GRAPHIC LEGEND

KEY PLAN



KEY - EXTERIOR CONDITION ANNOTATION

MATERIAL ABBREVIATION — CONDITION ABBREVIATION (e.g. RL-SSP)

MATERIAL

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RL	RAWLIN'S SANDSTONE
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State of Wyoming

Administration & Information
Construction Management

Capitol Square
Rehabilitation and Restoration
State of Wyoming A&I Construction Management

HDR PDP PLAN ARCHITECT

PRELIMINARY
NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION
1	2014/12/19	SD OWNER REVIEW

PROJECT NUMBER 203619
ORIGINAL ISSUE - - -
PKG. IDENTIFIER 2

EXTERIOR CONDITION WEST ELEVATION BAYS

SCALE AS NOTED

2AF249

Schematic Design

P:\13.001 Wyoming State Capitol\07_Drawings\07_01 CADD Drawings\02_As-Found Conditions\2AF21(h)_Exterior Conditions ELEVATIONS West.dwg
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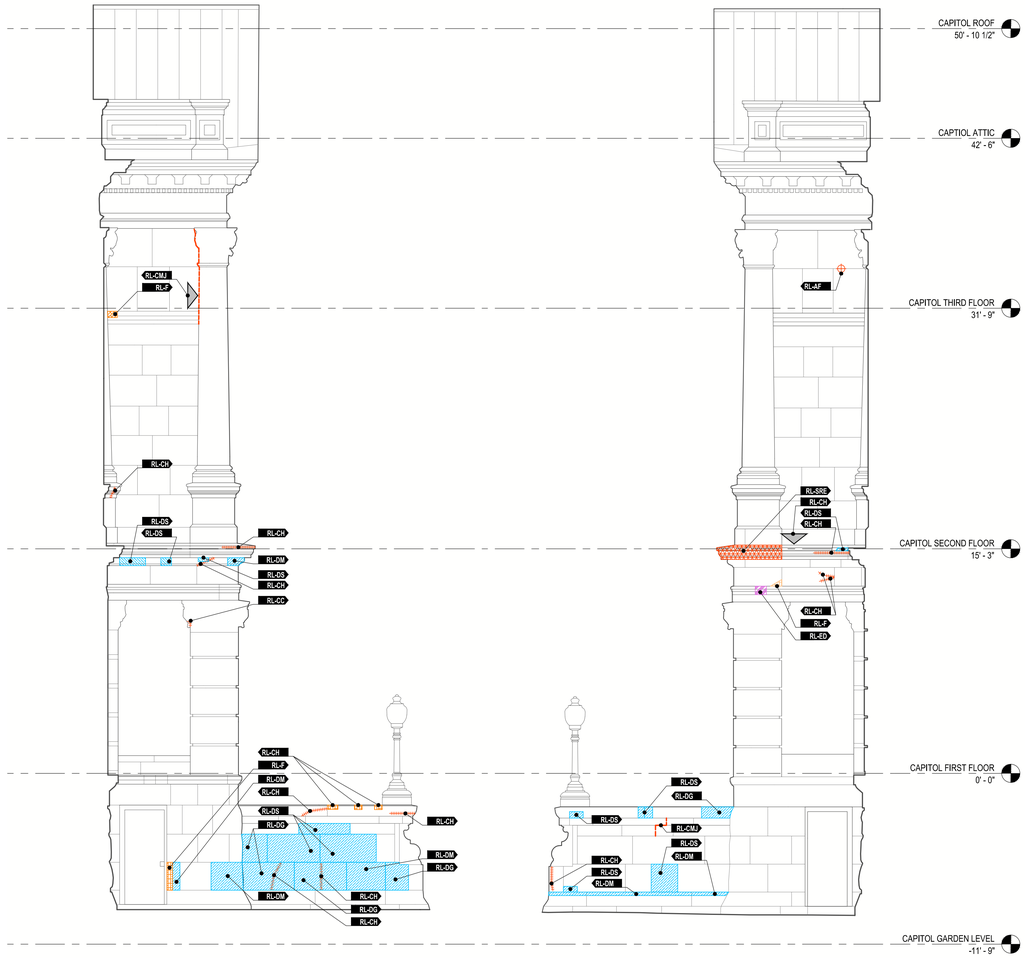

B4 RETURN W-31a
1/4" = 1'-0"

3'-0" 1'-0"
4'-0" 2'-0" 0 4'-0" 8'-0" 16'-0"

B3 RETURN W-31b
1/4" = 1'-0"

3'-0" 1'-0"
4'-0" 2'-0" 0 4'-0" 8'-0" 16'-0"

KEY - EXTERIOR CONDITION ANNOTATION

MATERIAL ABBREVIATION — CONDITION ABBREVIATION
RL-SSP

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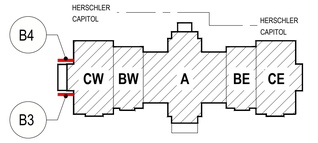
GENERAL NOTES

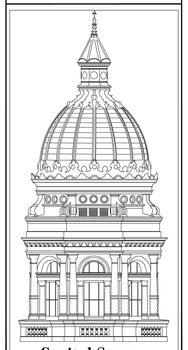
CONSTRUCTION KEYNOTES

GRAPHIC LEGEND

KEY PLAN



State of Wyoming
Administration & Information
Construction Management



Capitol Square
Rehabilitation and Restoration
State of Wyoming A&I Construction Management
HDR PDP PLAN ARCHITECT

PRELIMINARY
NOT FOR CONSTRUCTION

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1	2014/12/19	SD OWNER REVIEW

PROJECT NUMBER	203619
ORIGINAL ISSUE	- -
PKG. IDENTIFIER	2

EXTERIOR CONDITION WEST ELEVATION RETURNS

SCALE: AS NOTED

2AF250

Schematic Design

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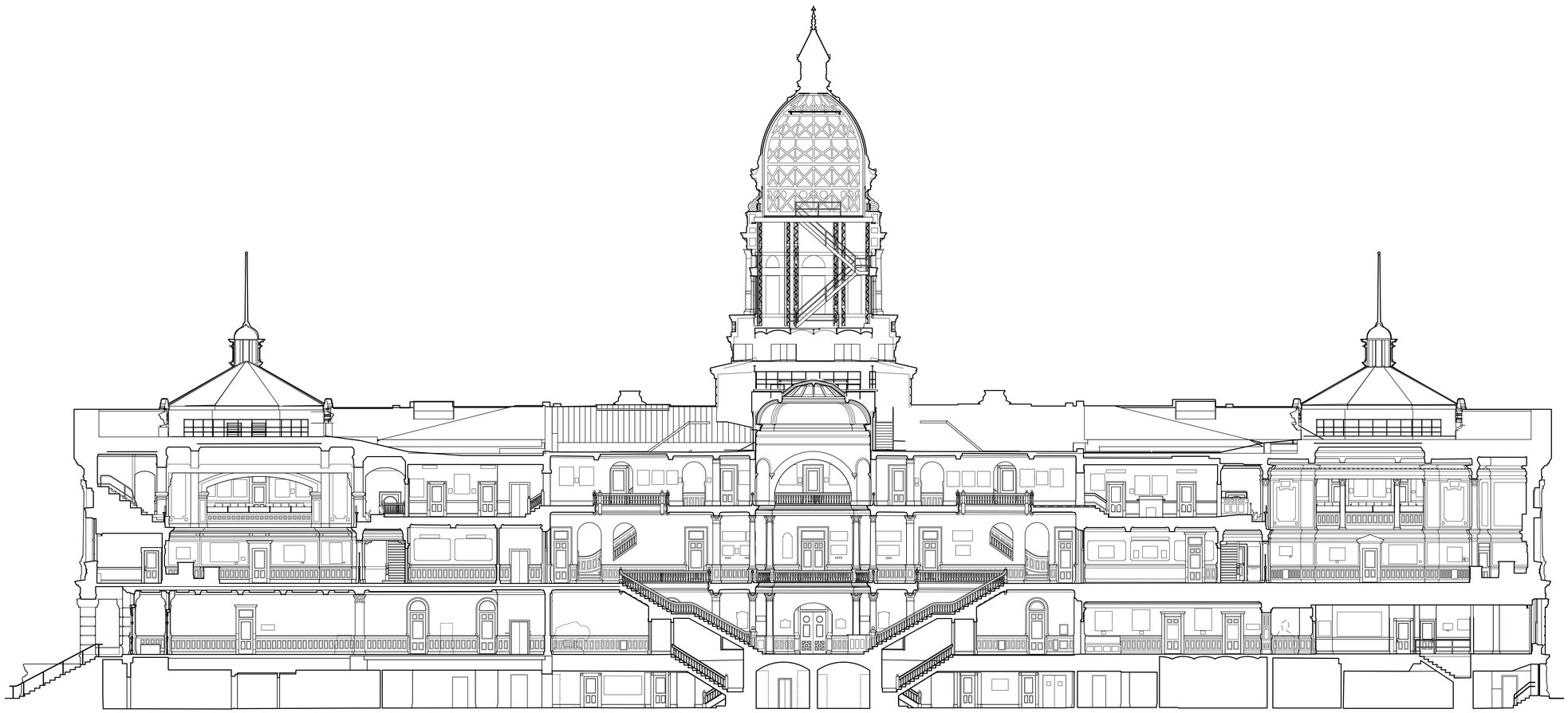


6B AS FOUND LONGITUDINAL SECTION CENTER
1" = 10'-0"

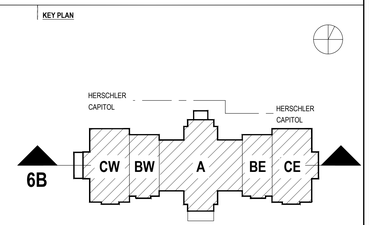
7'-6" 2'-6"
10'-0" 5'-0" 0 10'-0" 20'-0" 40'-0"

GENERAL NOTES

CONSTRUCTION KEYNOTES

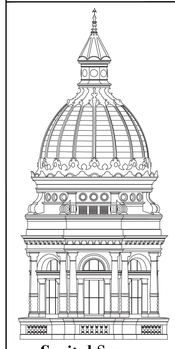
GRAPHIC LEGEND

KEY PLAN



State of Wyoming

Administration & Information
Construction Management



Capitol Square
Rehabilitation and Restoration
State of Wyoming A&I Construction Management

PRELIMINARY
NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION
1	2014/12/19	SD OWNER REVIEW

PROJECT NUMBER	203619
ORIGINAL ISSUE	- - -
PKG. IDENTIFIER	2

AS FOUND LONGITUDINAL SECTION CENTER

SCALE	AS NOTED

2AF303

Schematic Design

P:\13.001_Wyoming State Capitol\07_Drawings\07_01_CADD Drawings\02_As-Found Conditions\2AF303_ASFOUND5_Longitudinal Section C1.dwg
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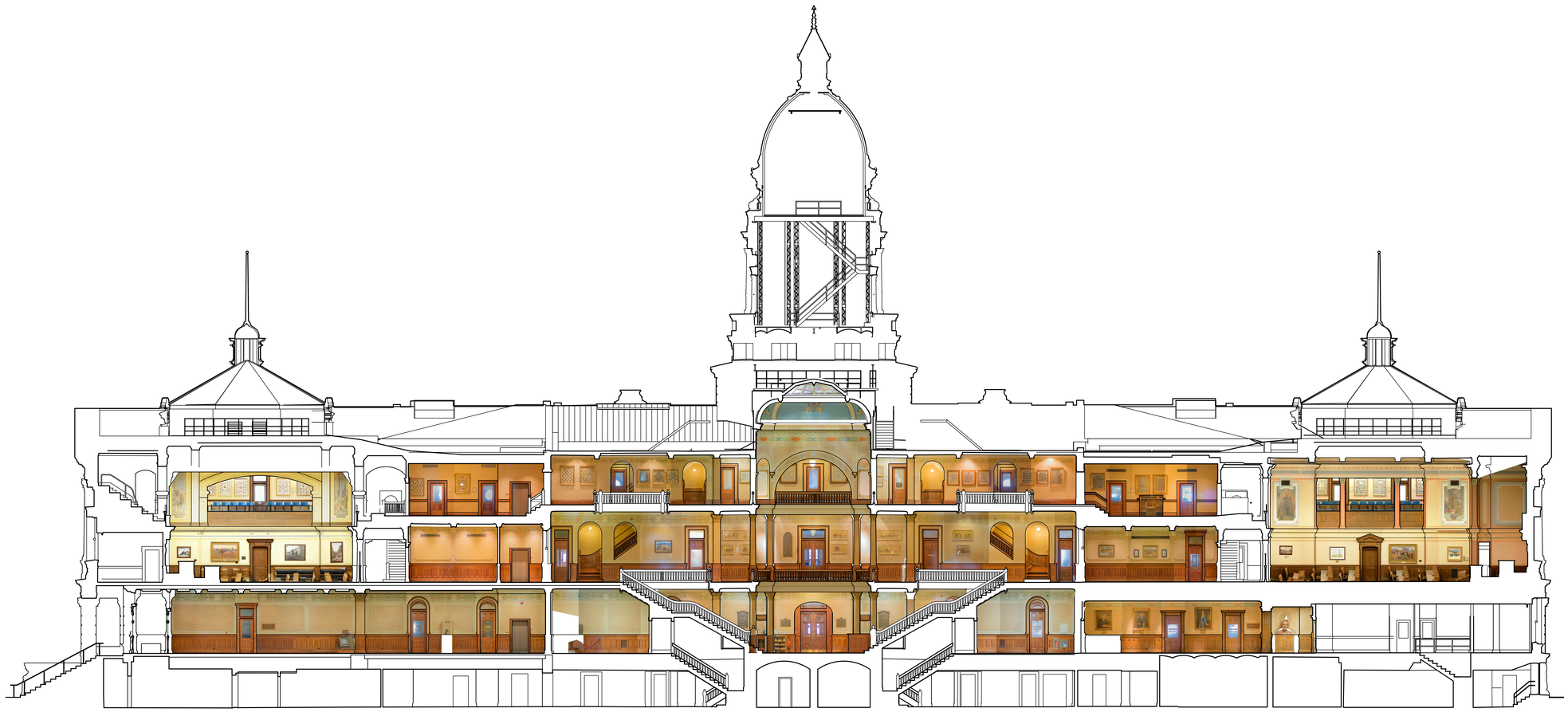


6B AS FOUND LONGITUDINAL SECTION CENTER - ORTHOPHOTO
1" = 10'-0"

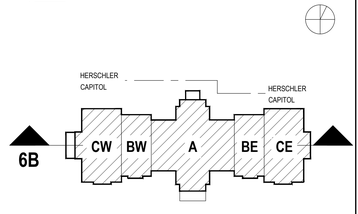
7'-6" 2'-6"
10'-0" 5'-0" 0 10'-0" 20'-0" 40'-0"

GENERAL NOTES

CONSTRUCTION KEYNOTES

GRAPHIC LEGEND

KEY PLAN



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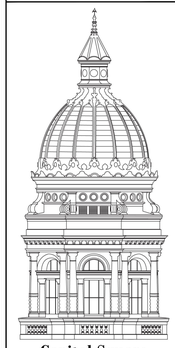
State of Wyoming

Administration & Information
Construction Management



Capitol Square
Rehabilitation and Restoration
State of Wyoming A&I Construction Management

HDR PDP FFKR ARCHITECTS

PRELIMINARY
NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION
1	2014/12/19	SD OWNER REVIEW

PROJECT NUMBER	203619
ORIGINAL ISSUE	- - -
PKG. IDENTIFIER	2

AS FOUND LONGITUDINAL SECTION CENTER - ORTHOPHOTO

SCALE AS NOTED

2AF303B

Schematic Design

3B AS FOUND TRANSVERSE SECTION CENTER
1" = 10'-0"

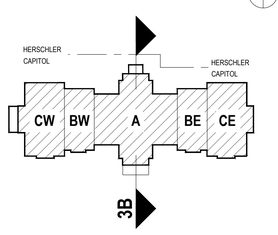
7'-6" 2'-6"
10'-0" 5'-0" 0 10'-0" 20'-0" 40'-0"

GENERAL NOTES

CONSTRUCTION KEYNOTES

GRAPHIC LEGEND

KEY PLAN



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State of Wyoming

Administration & Information
Construction Management

Capitol Square
Rehabilitation and Restoration
State of Wyoming A&I Construction Management

HDR PDP FLAD ARCHITECTS

PRELIMINARY
NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION
1	2014/12/19	SD OWNER REVIEW

PROJECT NUMBER	203619
ORIGINAL ISSUE	- - -
PKG. IDENTIFIER	2

AS FOUND TRANSVERSE SECTION CENTER

SCALE	AS NOTED

2AF313

Schematic Design

3B AS FOUND TRANSVERSE SECTION CENTER - ORTHOPHOTO
1" = 10'-0"

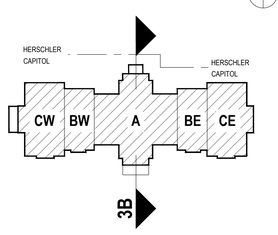
7'-6" 2'-6"
10'-0" 5'-0" 0 10'-0" 20'-0" 40'-0"

GENERAL NOTES

CONSTRUCTION KEYNOTES

GRAPHIC LEGEND

KEY PLAN



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State of Wyoming

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Construction Management

Capitol Square
Rehabilitation and Restoration
State of Wyoming A&I Construction Management

PRELIMINARY
NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION
1	2014/12/19	SD OWNER REVIEW

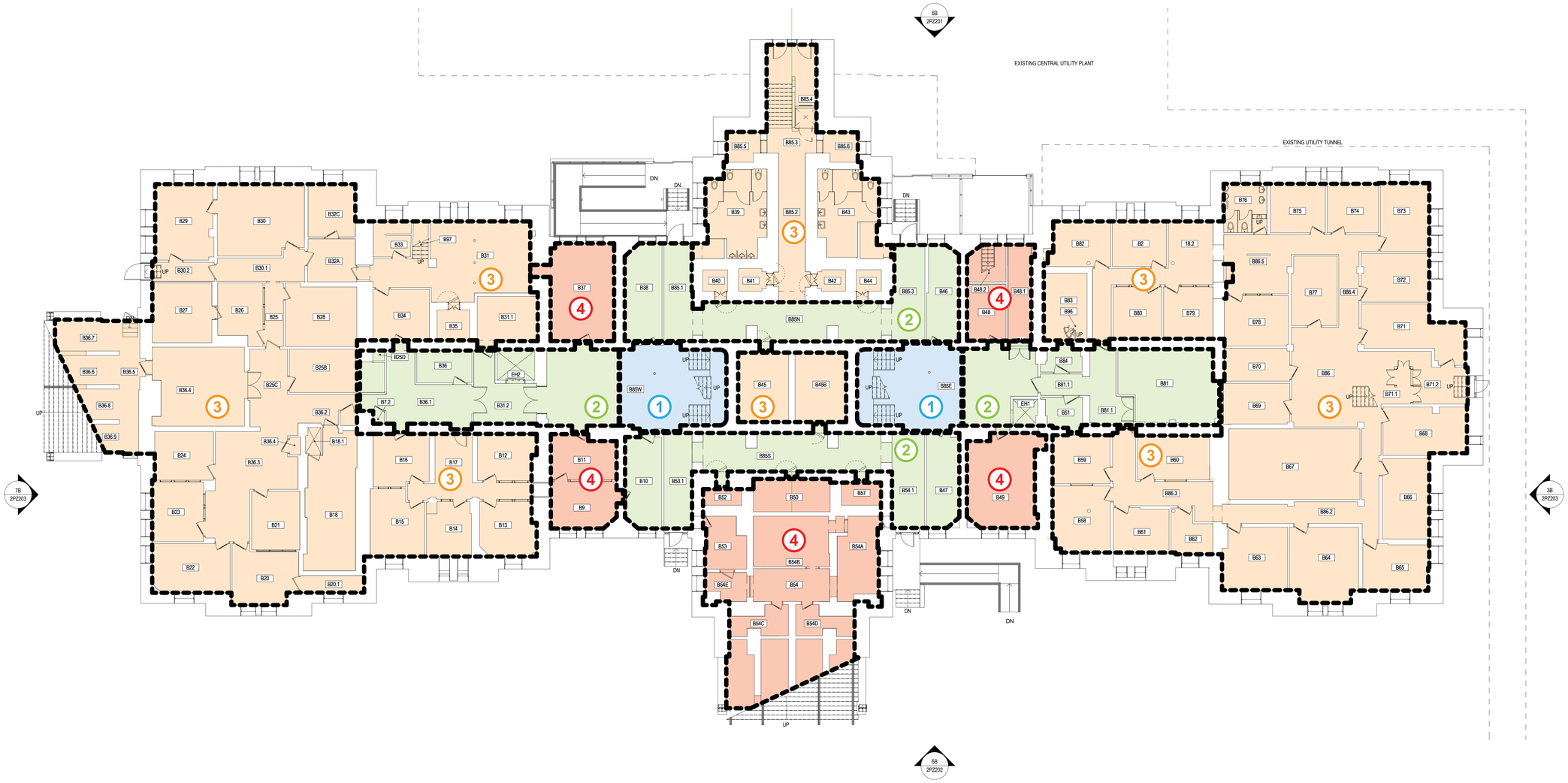
PROJECT NUMBER	203619
ORIGINAL ISSUE	- - -
PKG. IDENTIFIER	2

AS FOUND TRANSVERSE SECTION CENTER - ORTHOPHOTO

SCALE AS NOTED

2AF313B

Schematic Design



6B PRESERVATION ZONE GARDEN LEVEL
1" = 10'-0"

7'-6" 2'-6"
10'-0" 5'-0" 0 10'-0" 20'-0" 40'-0"

GENERAL NOTES

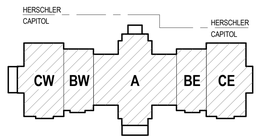
CONSTRUCTION NOTES

GRAPHIC LEGEND

PRESERVATION ZONE LEGEND:
(PERIOD OF SIGNIFICANCE 1921)

1. **PRESERVATION ZONE #1** RESTORATION
2. **PRESERVATION ZONE #2** PRESERVATION
3. **PRESERVATION ZONE #3** REHABILITATION
4. **PRESERVATION ZONE #4** SERVICE AREA

KEY PLAN



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State of Wyoming

Administration & Information
Construction Management

Capitol Square
Rehabilitation and Restoration

HDR PDP RNL

PRELIMINARY
NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION
1	2014/12/19	SD OWNER REVIEW

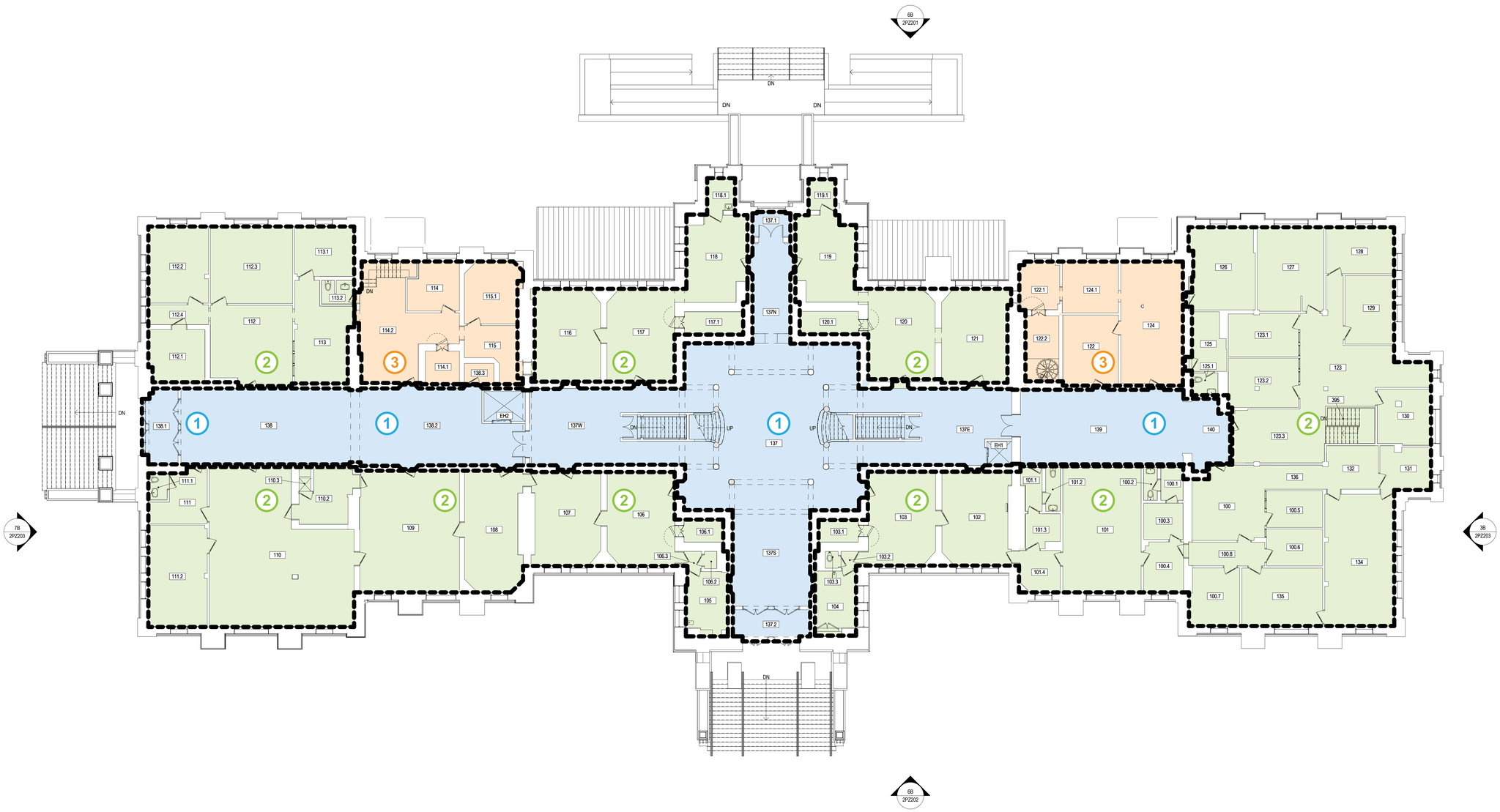
PROJECT NUMBER 203619
ORIGINAL ISSUE - - -
PKG. IDENTIFIER 2

PRESERVATION ZONE GARDEN LEVEL PLAN

SCALE 1" = 10'-0"

2PZ100

Schematic Design



6B PRESERVATION ZONE FIRST FLOOR

1" = 10'-0"

7'-6" 2'-6"

10'-0" 5'-0" 0 10'-0" 20'-0" 40'-0"

GENERAL NOTES

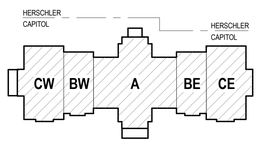
CONSTRUCTION NOTES

GRAPHIC LEGEND

PRESERVATION ZONE LEGEND:
(PERIOD OF SIGNIFICANCE 1921)

1	**PRESERVATION ZONE #1** RESTORATION
2	**PRESERVATION ZONE #2** PRESERVATION
3	**PRESERVATION ZONE #3** REHABILITATION
4	**PRESERVATION ZONE #4** SERVICE AREA

KEY PLAN



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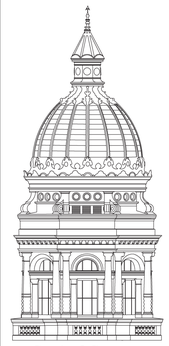
State of Wyoming

Administration & Information
Construction Management



Capitol Square
Rehabilitation and Restoration

HDR PDP RNL

PRELIMINARY
NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION
1	2014/12/19	SD OWNER REVIEW

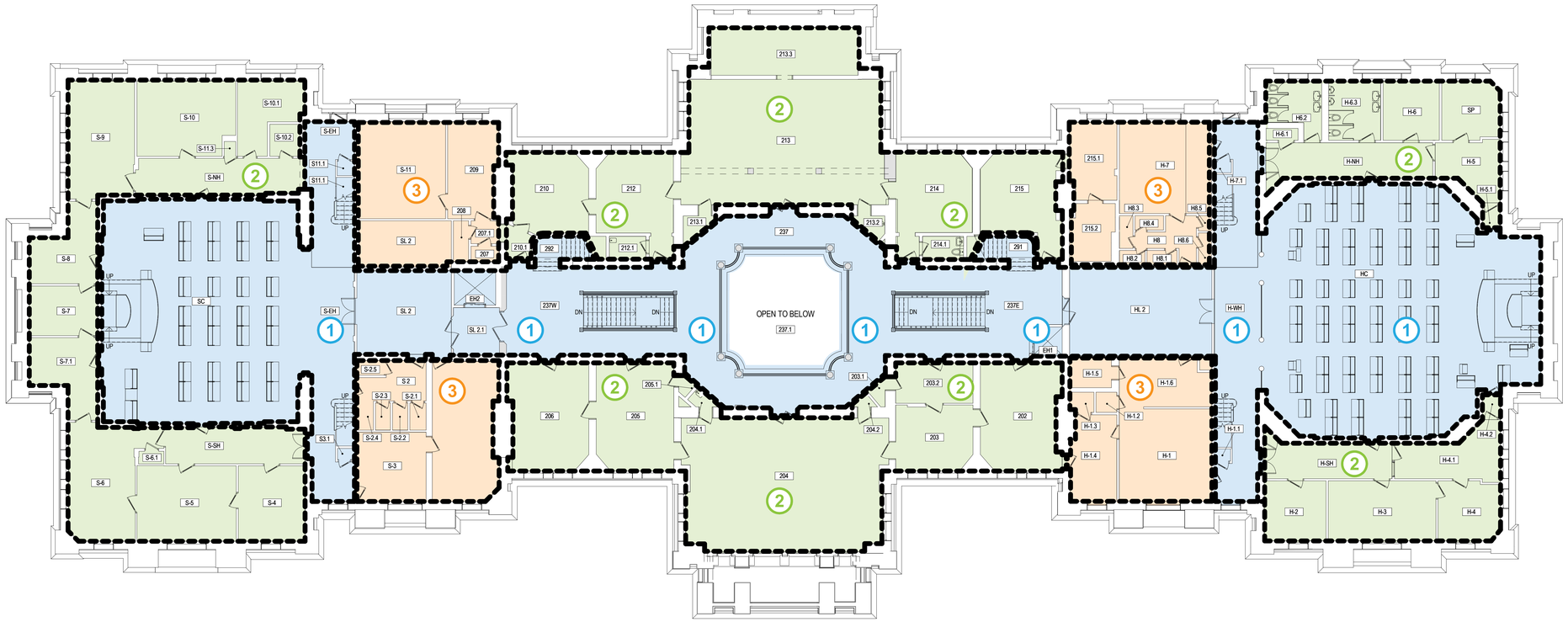
PROJECT NUMBER	203619
ORIGINAL ISSUE	- -
PKG. IDENTIFIER	2

PRESERVATION ZONE FIRST FLOOR PLAN

SCALE 1" = 10'-0"

2PZ101

Schematic Design



6B PRESERVATION ZONE SECOND FLOOR
1" = 10'-0"

7'-6" 2'-6"
10'-0" 5'-0" 0 10'-0" 20'-0" 40'-0"

GENERAL NOTES

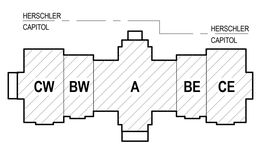
CONSTRUCTION NOTES

GRAPHIC LEGEND

PRESERVATION ZONE LEGEND:
(PERIOD OF SIGNIFICANCE 1921)

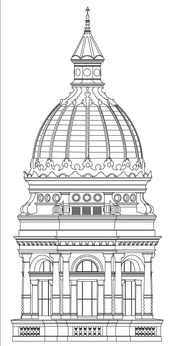
1 **PRESERVATION ZONE #1** RESTORATION
2 **PRESERVATION ZONE #2** PRESERVATION
3 **PRESERVATION ZONE #3** REHABILITATION
4 **PRESERVATION ZONE #4** SERVICE AREA

KEY PLAN



State of Wyoming

Administration & Information
Construction Management



Capitol Square
Rehabilitation and Restoration

HDR PDP RNL

PRELIMINARY
NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION
1	2014/12/19	SD OWNER REVIEW

PROJECT NUMBER	203619
ORIGINAL ISSUE	- - -
PKG. IDENTIFIER	2

PRESERVATION ZONE SECOND FLOOR PLAN

SCALE 1" = 10'-0"

2PZ102

Schematic Design

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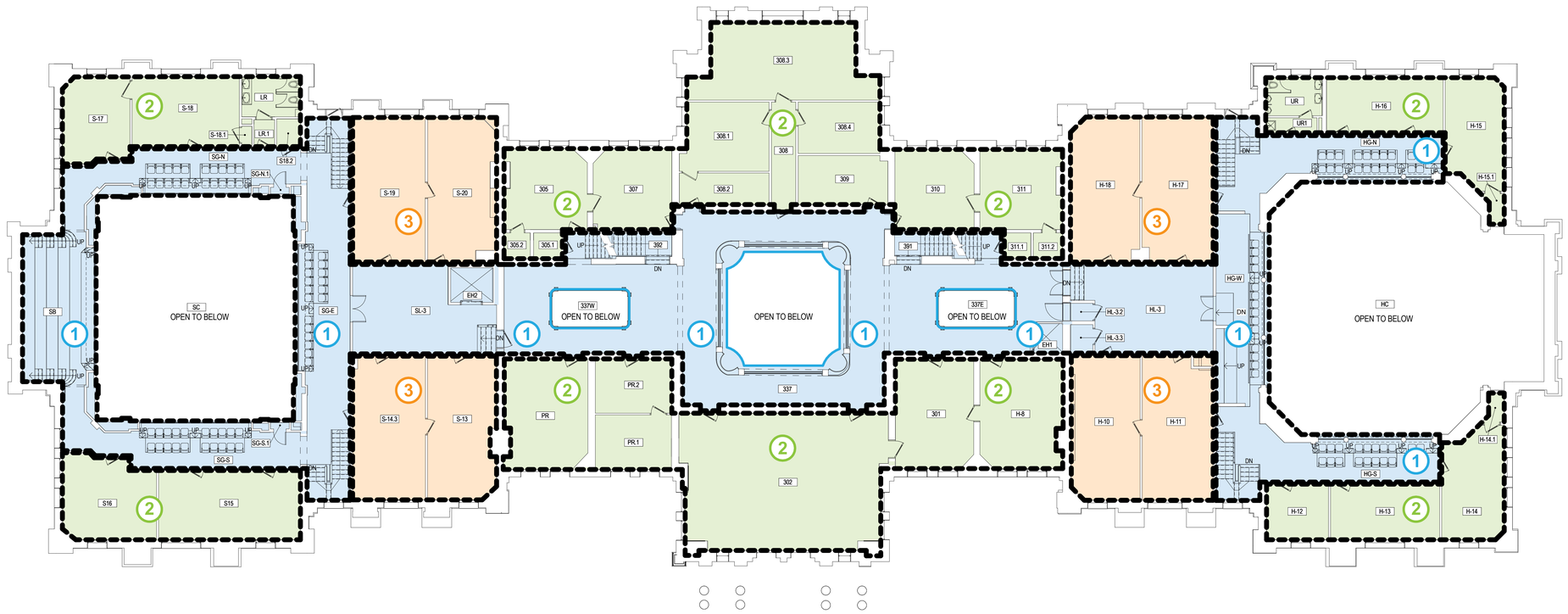


6B PRESERVATION ZONE THIRD FLOOR

1" = 10'-0"

7'-6" 2'-6"

10'-0" 5'-0" 0 10'-0" 20'-0" 40'-0"

GENERAL NOTES

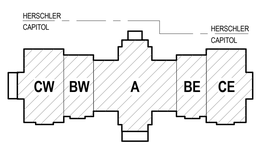
CONSTRUCTION NOTES

GRAPHIC LEGEND

PRESERVATION ZONE LEGEND:
(PERIOD OF SIGNIFICANCE 1921)

1. **PRESERVATION ZONE #1** RESTORATION
2. **PRESERVATION ZONE #2** PRESERVATION
3. **PRESERVATION ZONE #3** REHABILITATION
4. **PRESERVATION ZONE #4** SERVICE AREA

KEY PLAN



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State of Wyoming

Administration & Information
Construction Management

Capitol Square
Rehabilitation and Restoration

HDR PDP RNL

PRELIMINARY
NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION
1	2014/12/19	SD OWNER REVIEW

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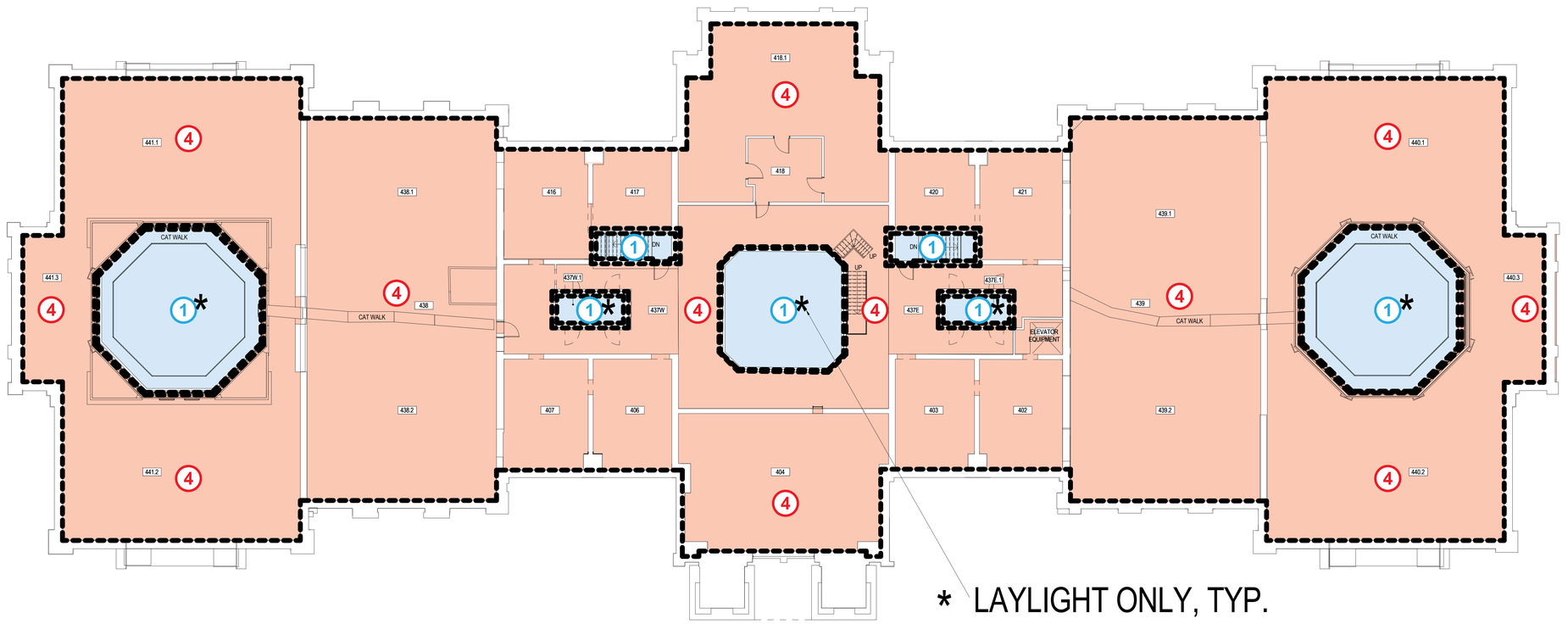
ORIGINAL ISSUE	- - -
PKG. IDENTIFIER	2

PRESERVATION ZONE THIRD FLOOR PLAN

SCALE 1" = 10'-0"

2PZ103

Schematic Design



* LAYLIGHT ONLY, TYP.

6B PRESERVATION ZONE ATTIC 1 PLAN

1" = 10'-0"

7'-6" 2'-6"

10'-0" 5'-0" 0 10'-0" 20'-0" 40'-0"

GENERAL NOTES

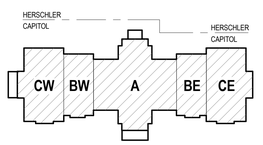
CONSTRUCTION NOTES

GRAPHIC LEGEND

PRESERVATION ZONE LEGEND:
(PERIOD OF SIGNIFICANCE 1921)

1		**PRESERVATION ZONE #1** RESTORATION
2		**PRESERVATION ZONE #2** PRESERVATION
3		**PRESERVATION ZONE #3** REHABILITATION
4		**PRESERVATION ZONE #4** SERVICE AREA

KEY PLAN



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State of Wyoming

Administration & Information
Construction Management

Capitol Square
Rehabilitation and Restoration

HDR PDP RNL

PRELIMINARY
NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION
1	2014/12/19	SD OWNER REVIEW

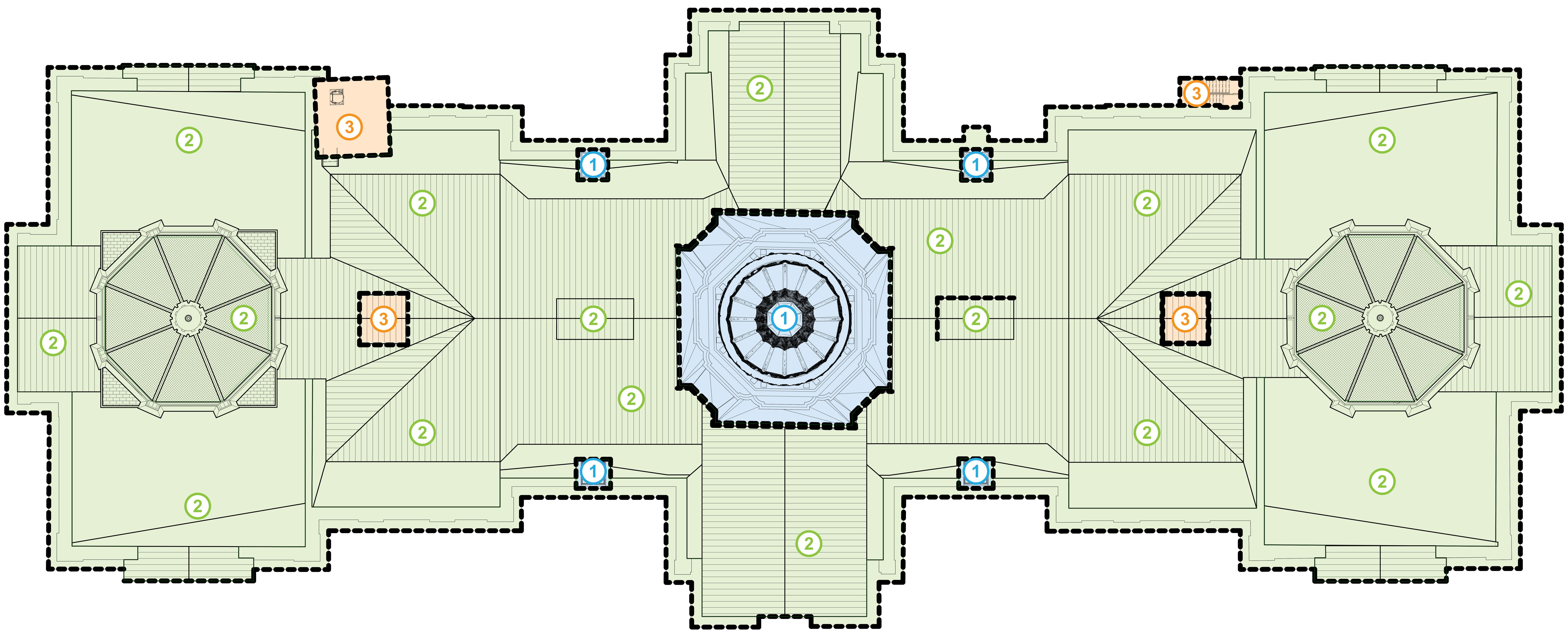
PROJECT NUMBER	203619
ORIGINAL ISSUE	- - -
PKG. IDENTIFIER	2

PRESERVATION ZONE ATTIC 1 PLAN

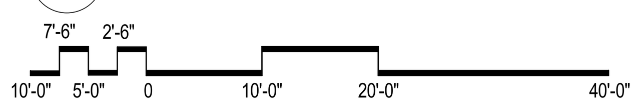
SCALE 1" = 10'-0"

2PZ104

Schematic Design



6B PRESERVATION ZONE ROOF PLAN
1" = 10'-0"



GENERAL NOTES

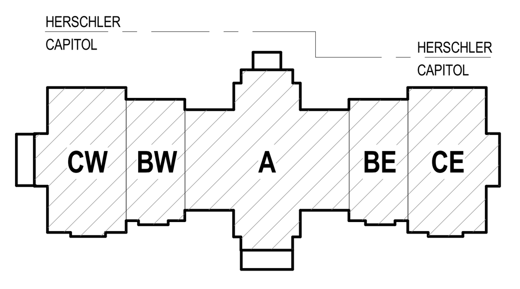
CONSTRUCTION NOTES

GRAPHIC LEGEND

PRESERVATION ZONE LEGEND:
(PERIOD OF SIGNIFICANCE 1921)

1	**PRESERVATION ZONE #1** RESTORATION
2	**PRESERVATION ZONE #2** PRESERVATION
3	**PRESERVATION ZONE #3** REHABILITATION
4	**PRESERVATION ZONE #4** SERVICE AREA

KEY PLAN



State of Wyoming

Administration & Information Construction Management

Capitol Square
Rehabilitation and Restoration

PRELIMINARY
NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION
1	2014/12/19	SD OWNER REVIEW

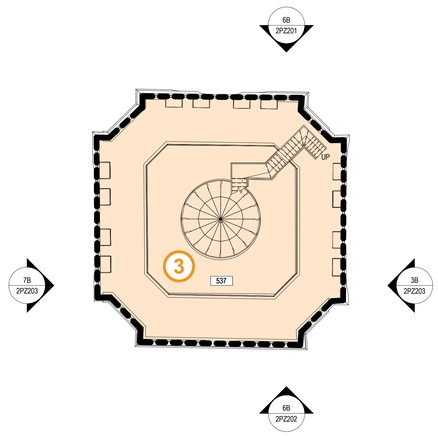
PROJECT NUMBER	203619
ORIGINAL ISSUE	-- -
PKG. IDENTIFIER	2

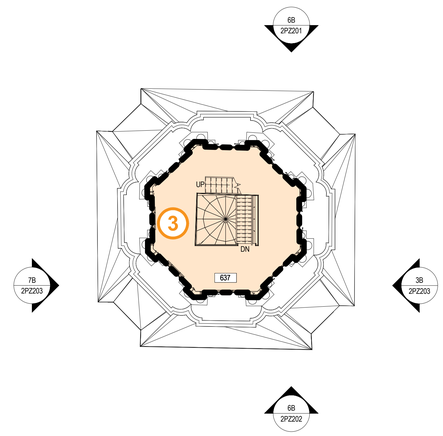
PRESERVATION ZONE ROOF PLAN

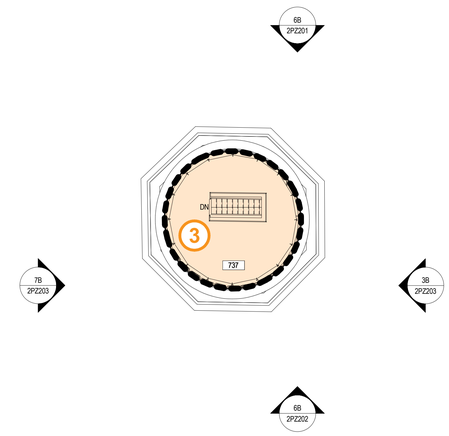
SCALE 1" = 10'-0"

2PZ105

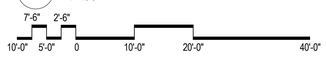
Schematic Design







6B PRESERVATION ZONE ATTIC 2 PLAN
1" = 10'-0"



5B PRESERVATION ZONE DOME 1 PLAN
1" = 10'-0"

3B PRESERVATION ZONE DOME 2 PLAN
1" = 10'-0"

GENERAL NOTES

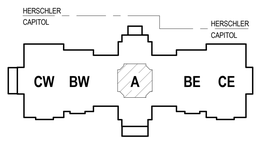
CONSTRUCTION NOTES

GRAPHIC LEGEND

PRESERVATION ZONE LEGEND:
(PERIOD OF SIGNIFICANCE 1921)

1		**PRESERVATION ZONE #1** RESTORATION
2		**PRESERVATION ZONE #2** PRESERVATION
3		**PRESERVATION ZONE #3** REHABILITATION
4		**PRESERVATION ZONE #4** SERVICE AREA

KEY PLAN



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State of Wyoming

Administration & Information
Construction Management

Capitol Square
Rehabilitation and Restoration

HDR PDP PLAN

PRELIMINARY
NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION
1	2014/12/19	SD OWNER REVIEW

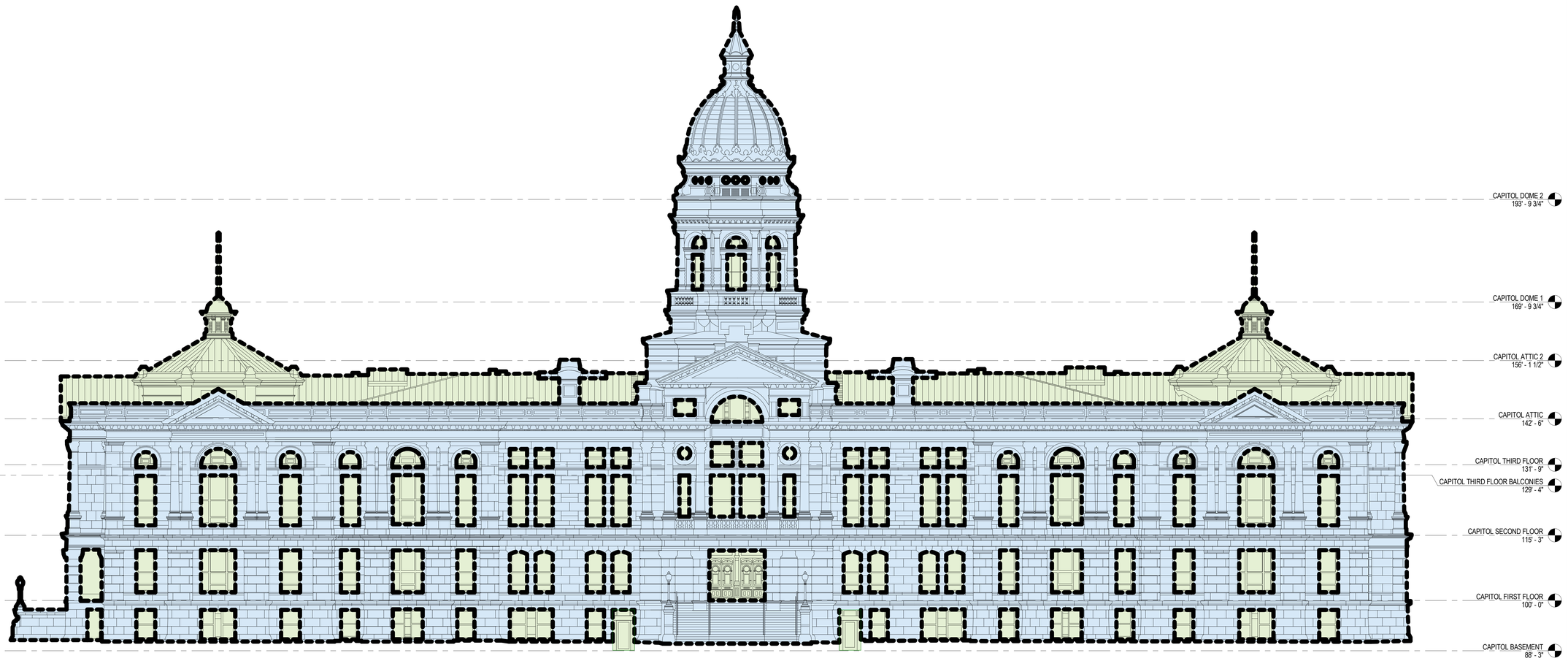
PROJECT NUMBER	203619
ORIGINAL ISSUE	- -
PKG. IDENTIFIER	2

PRESERVATION ZONE ATTIC 2, DOME 1 AND 2 PLAN

SCALE 1" = 10'-0"

2PZ106

Schematic Design



6B PRESERVATION ZONE SOUTH ELEVATION
1" = 10'-0"

7'-6" 2'-6"
10'-0" 5'-0" 0 10'-0" 20'-0" 40'-0"

GENERAL NOTES

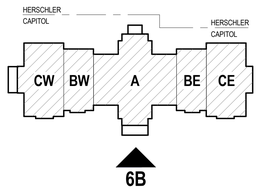
CONSTRUCTION NOTES

GRAPHIC LEGEND

PRESERVATION ZONE LEGEND:
(PERIOD OF SIGNIFICANCE 1921)

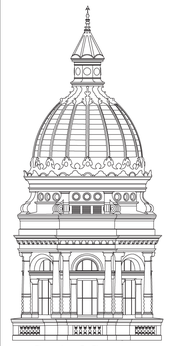
1 **PRESERVATION ZONE #1** RESTORATION
2 **PRESERVATION ZONE #2** PRESERVATION
3 **PRESERVATION ZONE #3** REHABILITATION
4 **PRESERVATION ZONE #4** SERVICE AREA

KEY PLAN



State of Wyoming

Administration & Information
Construction Management



Capitol Square
Rehabilitation and Restoration

HDR PDP RA

PRELIMINARY
NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION
1	2014/12/19	SD OWNER REVIEW

PROJECT NUMBER	203619
ORIGINAL ISSUE	---
PKG. IDENTIFIER	2

PRESERVATION ZONE SOUTH ELEVATION

SCALE 1" = 10'-0"

2PZ201

Schematic Design

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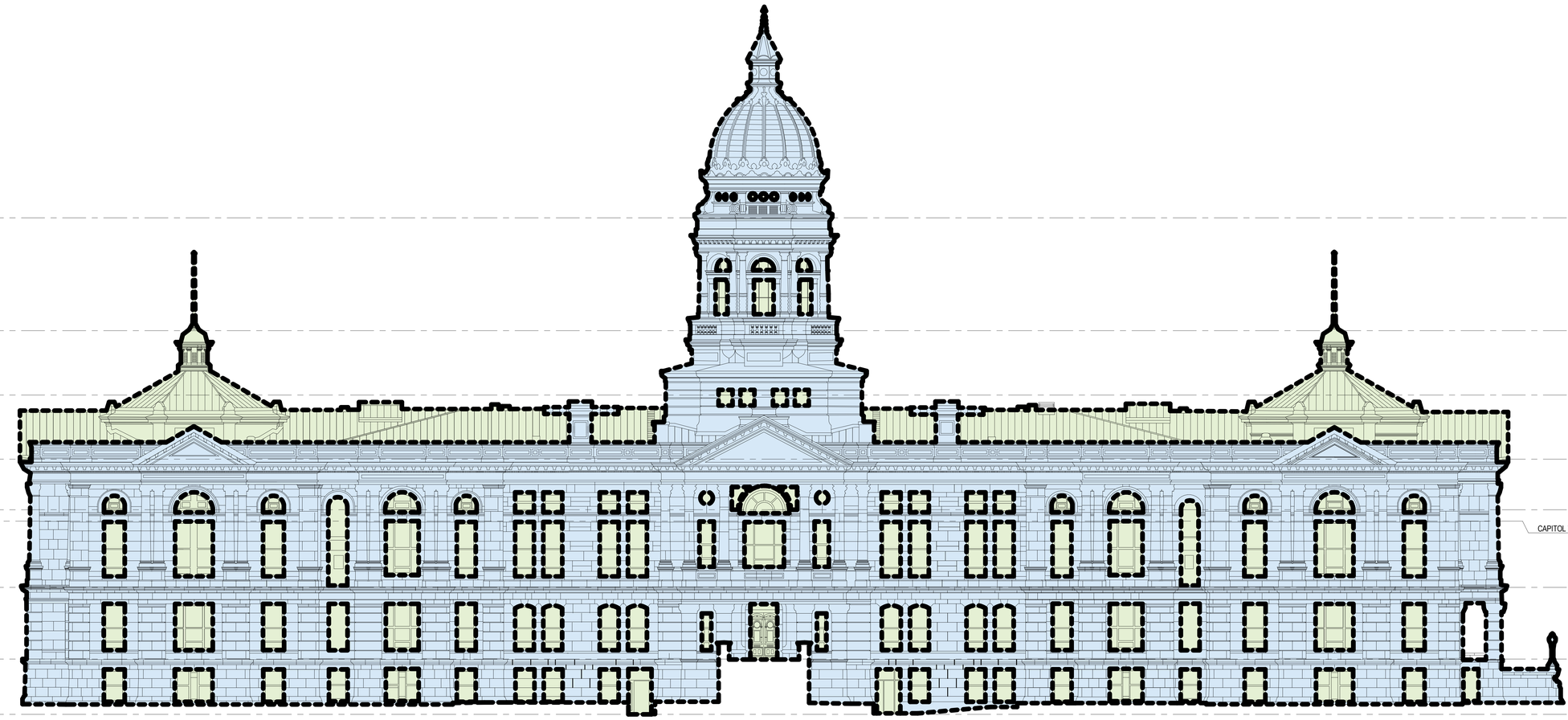


6B PRESERVATION ZONE NORTH ELEVATION
1" = 10'-0"

7'-6" 2'-6"
10'-0" 5'-0" 0 10'-0" 20'-0" 40'-0"

GENERAL NOTES

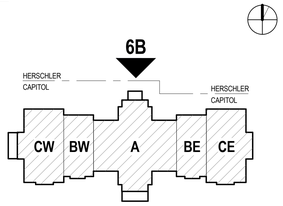
CONSTRUCTION NOTES

GRAPHIC LEGEND

PRESERVATION ZONE LEGEND:
(PERIOD OF SIGNIFICANCE 1921)

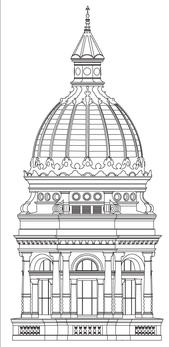
1 **PRESERVATION ZONE #1** RESTORATION
2 **PRESERVATION ZONE #2** PRESERVATION
3 **PRESERVATION ZONE #3** REHABILITATION
4 **PRESERVATION ZONE #4** SERVICE AREA

KEY PLAN



State of Wyoming

Administration & Information
Construction Management



Capitol Square
Rehabilitation and Restoration

HDR PDP RA

PRELIMINARY
NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION
1	2014/12/19	SD OWNER REVIEW

PROJECT NUMBER	203619
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PKG. IDENTIFIER	2

PRESERVATION ZONE NORTH ELEVATION

SCALE 1" = 10'-0"

2PZ202

Schematic Design

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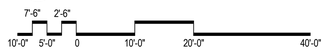
7B PRESERVATION ZONE WEST ELEVATION
1" = 10'-0"



3B PRESERVATION ZONE EAST ELEVATION
1" = 10'-0"

GENERAL NOTES

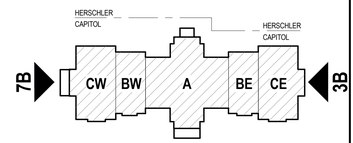
CONSTRUCTION NOTES

GRAPHIC LEGEND

PRESERVATION ZONE LEGEND:
(PERIOD OF SIGNIFICANCE 1921)

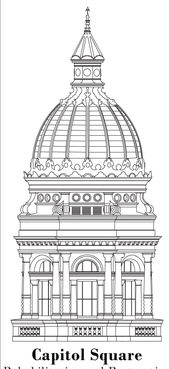
1 **PRESERVATION ZONE #1** RESTORATION
2 **PRESERVATION ZONE #2** PRESERVATION
3 **PRESERVATION ZONE #3** REHABILITATION
4 **PRESERVATION ZONE #4** SERVICE AREA

KEY PLAN



State of Wyoming

Administration & Information
Construction Management



Capitol Square
Rehabilitation and Restoration

HDR PDP RM ASSOCIATES

PRELIMINARY
NOT FOR CONSTRUCTION

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PROJECT NUMBER	203619
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PKG. IDENTIFIER	2

PRESERVATION ZONE EAST AND WEST ELEVATIONS

SCALE 1" = 10'-0"

2PZ203

Schematic Design

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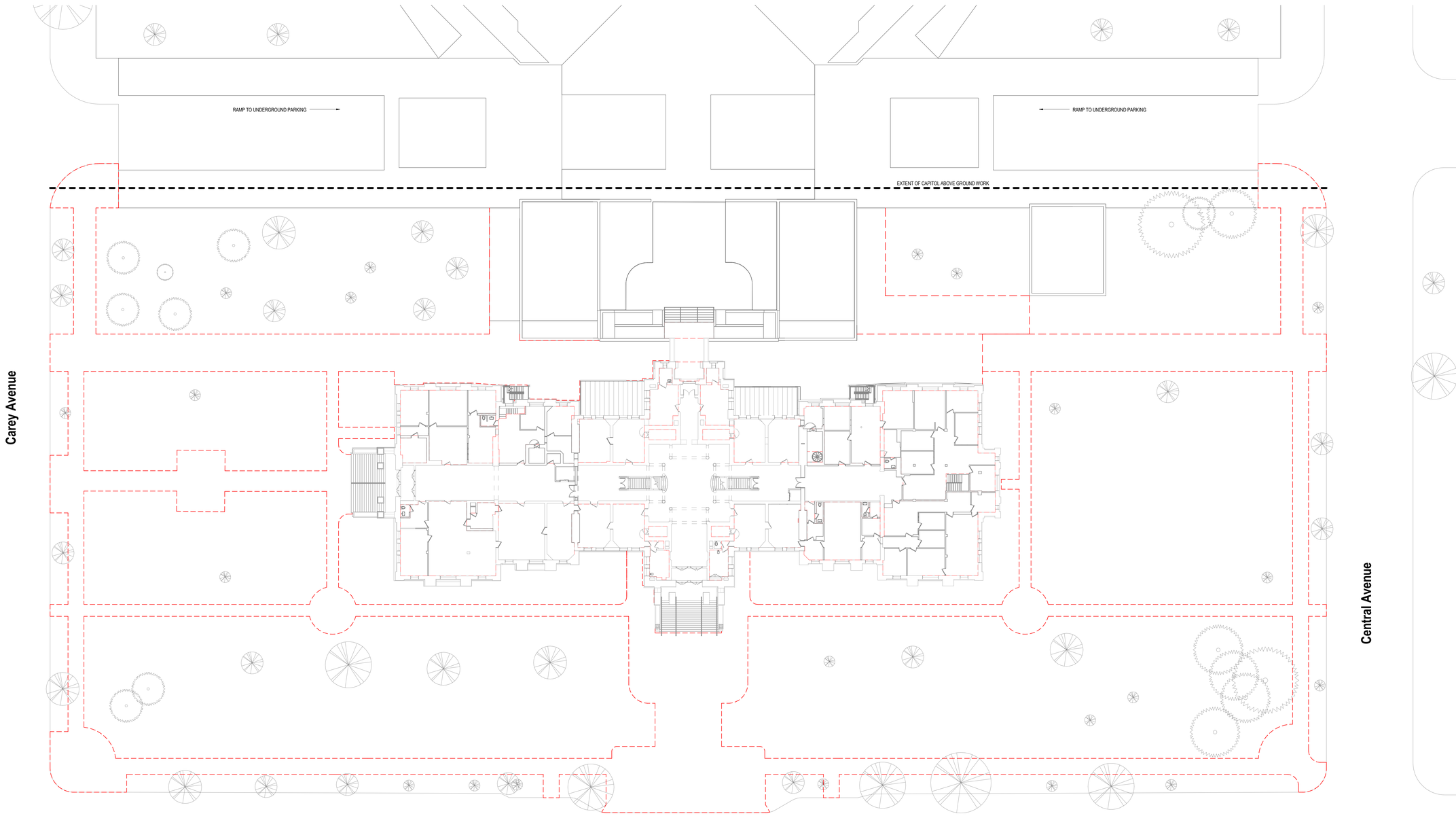


6B SELECTIVE REMOVAL SITE PLAN
1" = 20'-0"

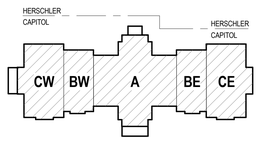
15'-0" 5'-0"
20'-0" 10'-0" 0 20'-0" 40'-0" 80'-0"

GENERAL NOTES

CONSTRUCTION NOTES

GRAPHIC LEGEND

KEY PLAN



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Capitol Square
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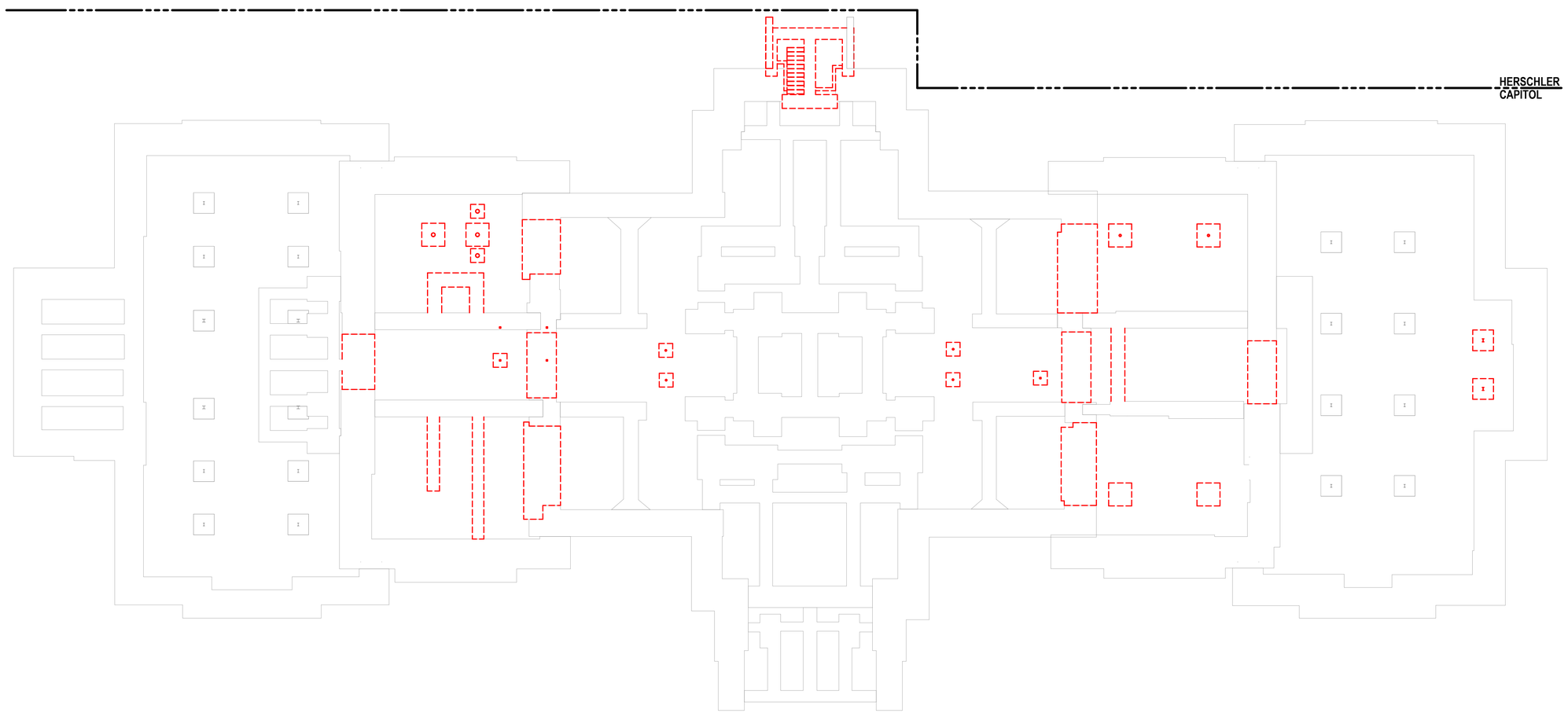
SELECTIVE REMOVAL SITE PLAN

SCALE 1" = 20'-0"

2AD050

Schematic Design



6B SELECTIVE REMOVAL FOUNDATION PLAN
1" = 10'-0"

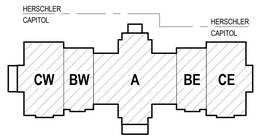
7'-6" 2'-6"
10'-0" 5'-0" 0 10'-0" 20'-0" 40'-0"

GENERAL NOTES

CONSTRUCTION NOTES

GRAPHIC LEGEND

KEY PLAN



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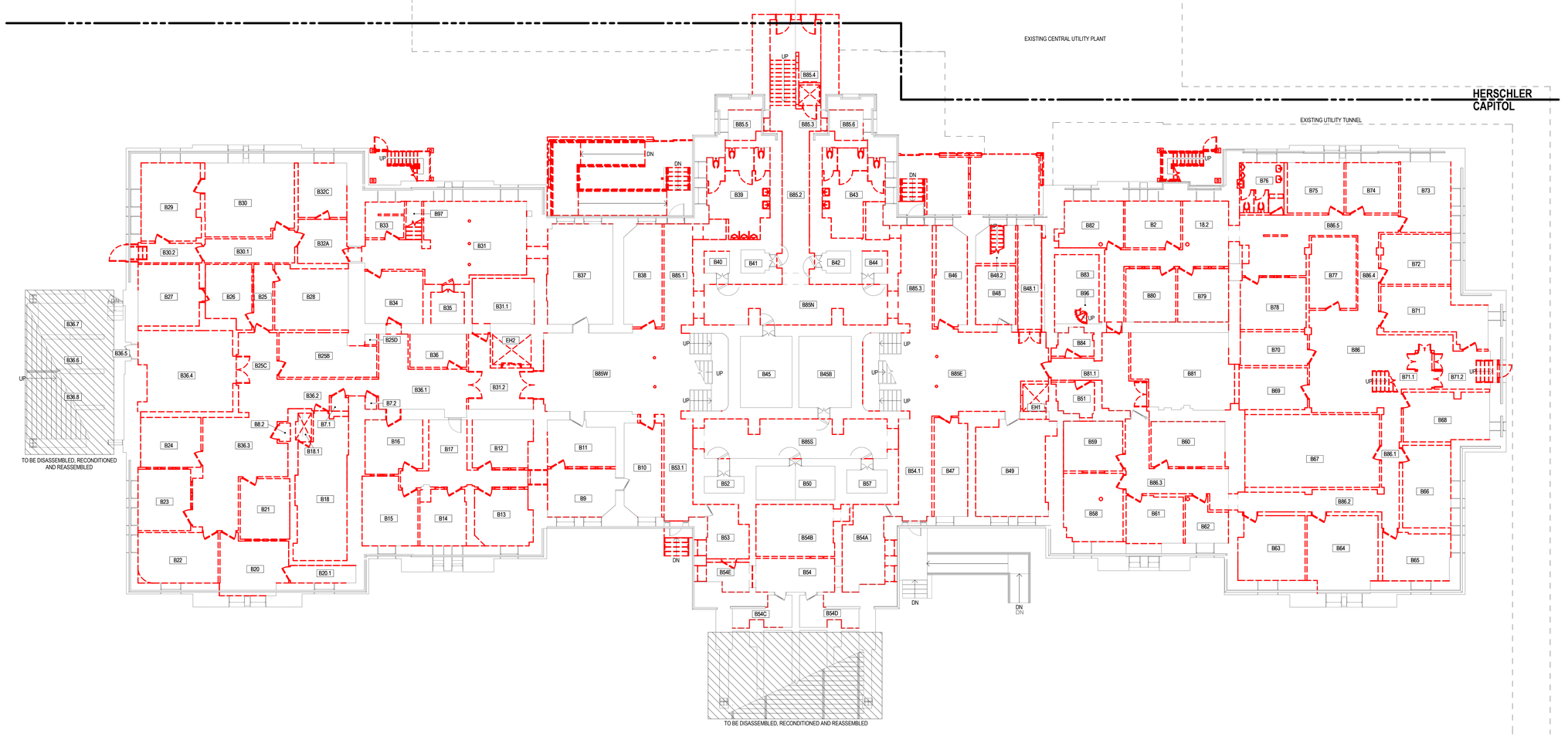
PKG. IDENTIFIER	2

SELECTIVE REMOVAL FOUNDATION PLAN

SCALE 1" = 10'-0"

2AD090

Schematic Design



6B SELECTIVE REMOVAL GARDEN LEVEL

1" = 10'-0"

7'-6" 2'-6"

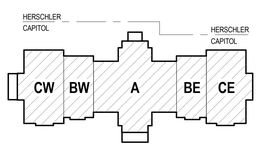
10'-0" 5'-0" 0 10'-0" 20'-0" 40'-0"

GENERAL NOTES

CONSTRUCTION NOTES

GRAPHIC LEGEND

KEY PLAN



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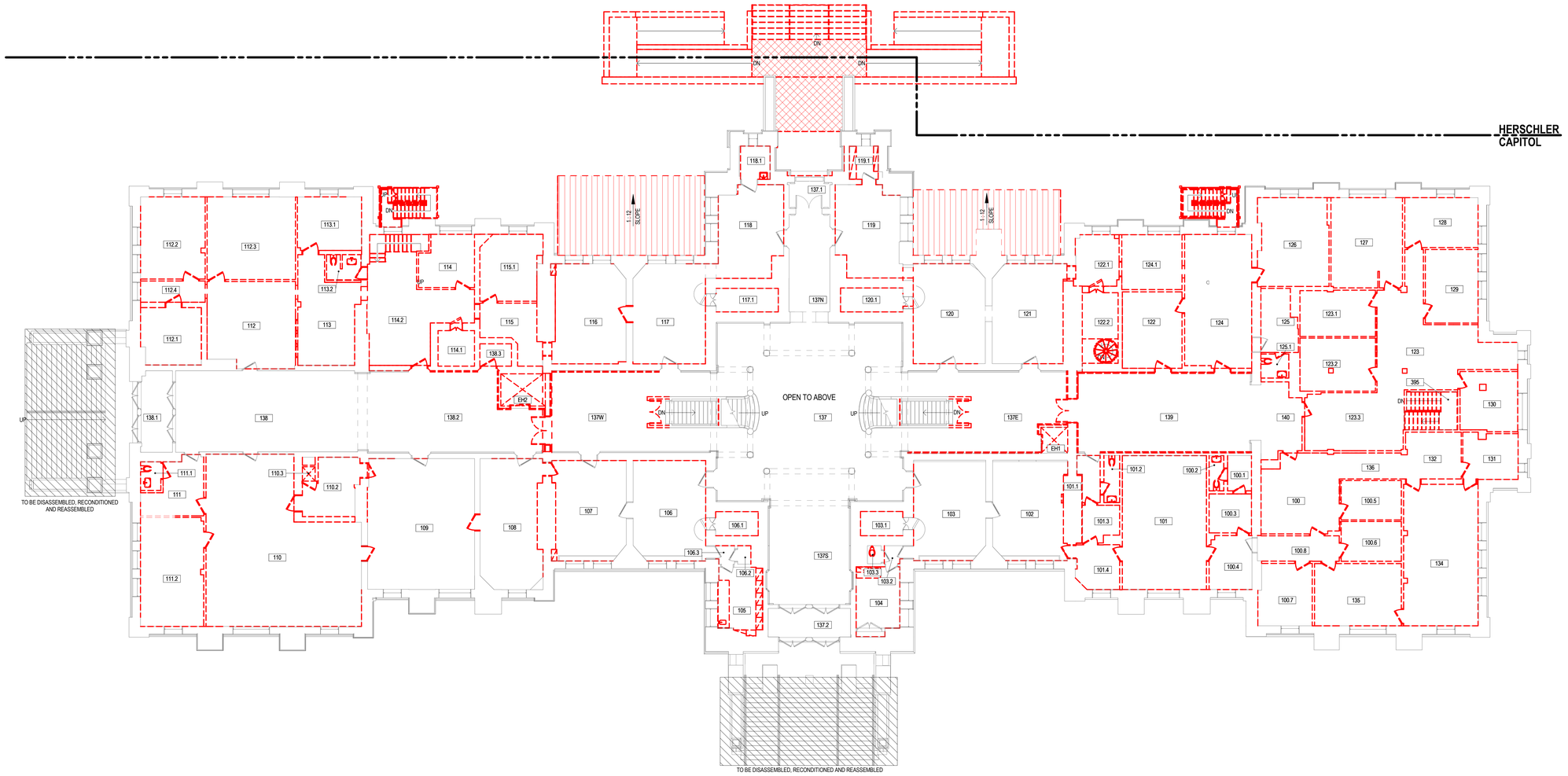
SELECTIVE REMOVAL GARDEN LEVEL PLAN

SCALE 1" = 10'-0"

2AD100

Schematic Design



6B SELECTIVE REMOVAL FIRST FLOOR
1" = 10'-0"

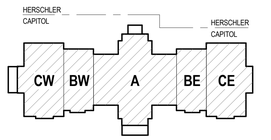
7'-6" 2'-6"
10'-0" 5'-0" 0 10'-0" 20'-0" 40'-0"

GENERAL NOTES

CONSTRUCTION NOTES

GRAPHIC LEGEND

KEY PLAN



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Rehabilitation and Restoration

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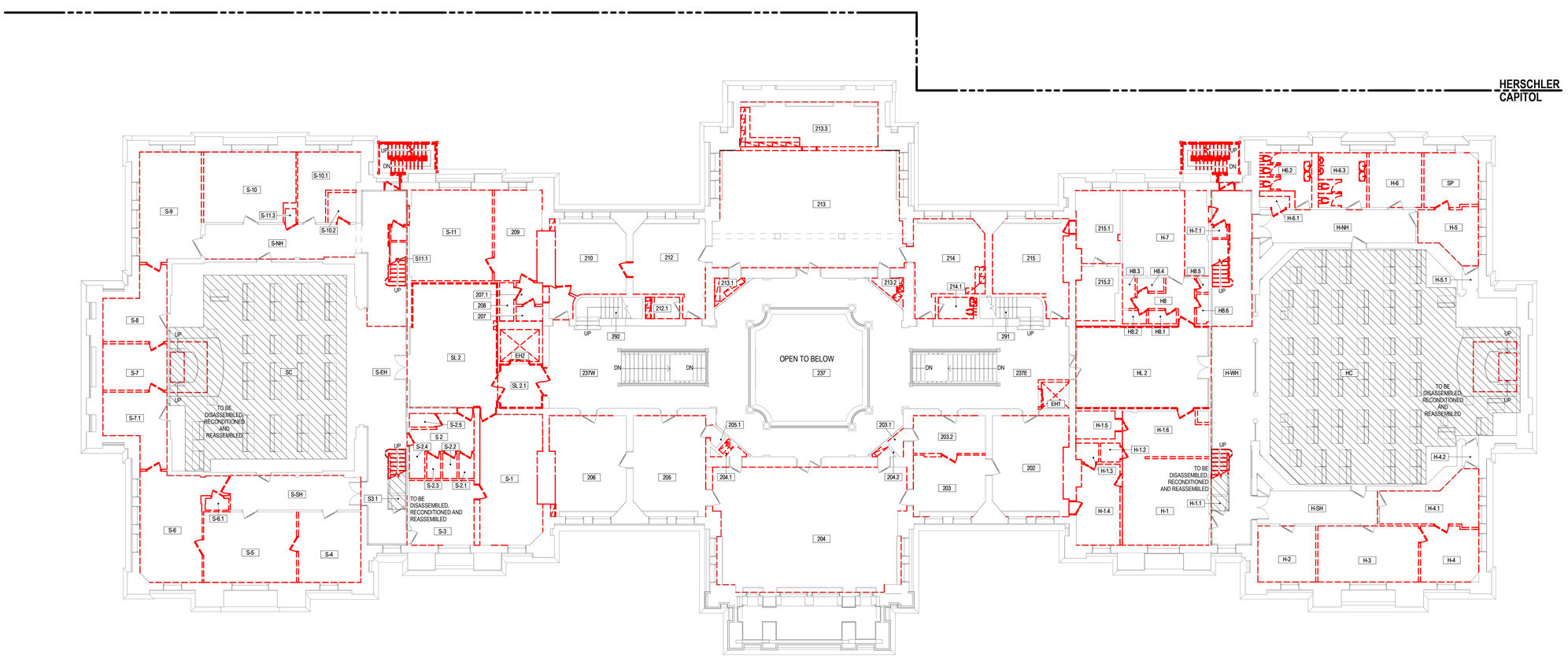
PKG. IDENTIFIER	2

SELECTIVE REMOVAL FIRST FLOOR PLAN

SCALE 1" = 10'-0"

2AD101

Schematic Design



6B SELECTIVE REMOVAL SECOND FLOOR

1" = 10'-0"

7'-6" 2'-6"

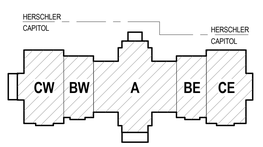
10'-0" 5'-0" 0 10'-0" 20'-0" 40'-0"

GENERAL NOTES

CONSTRUCTION NOTES

GRAPHIC LEGEND

KEY PLAN



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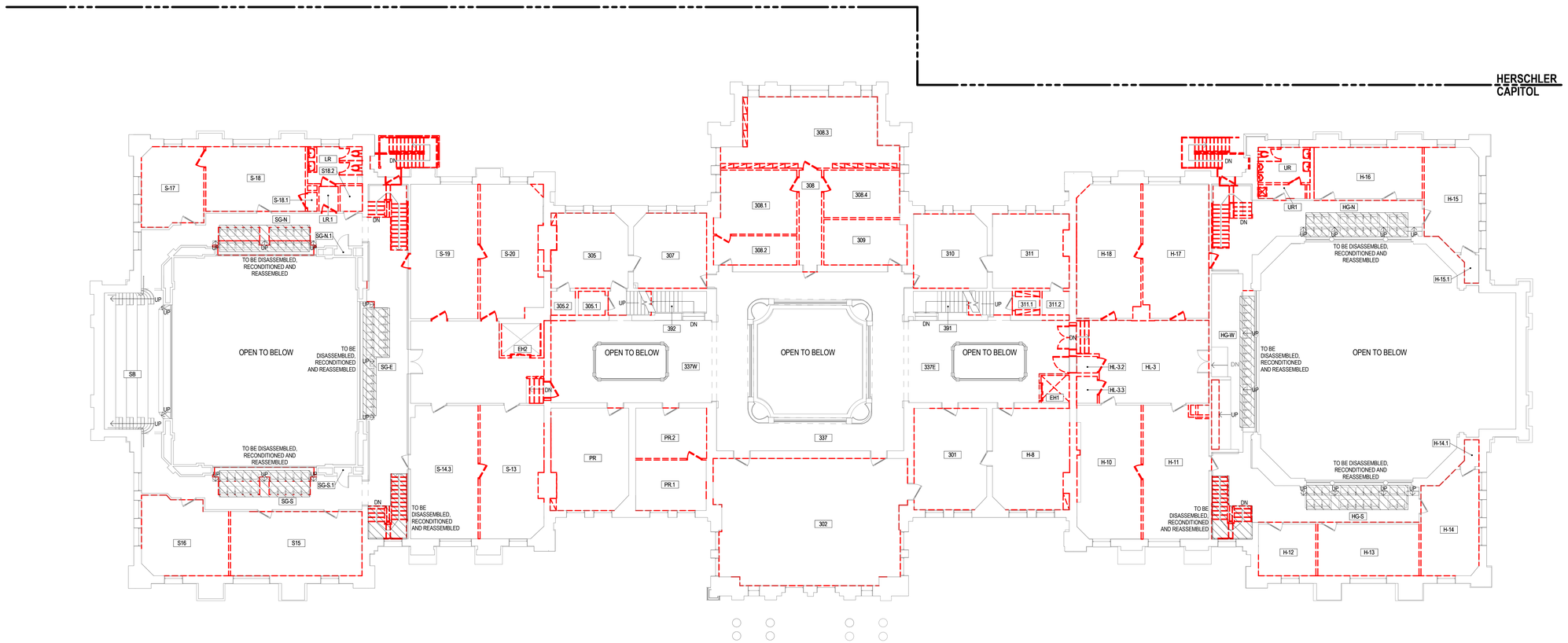
PKG. IDENTIFIER	2

SELECTIVE REMOVAL SECOND FLOOR PLAN

SCALE 1" = 10'-0"

2AD102

Schematic Design



6B SELECTIVE REMOVAL THIRD FLOOR
1" = 10'-0"

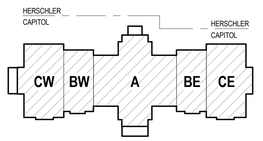
7'-6" 2'-6"
10'-0" 5'-0" 0 10'-0" 20'-0" 40'-0"

GENERAL NOTES

CONSTRUCTION NOTES

GRAPHIC LEGEND

KEY PLAN



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State of Wyoming

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Rehabilitation and Restoration

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PRELIMINARY
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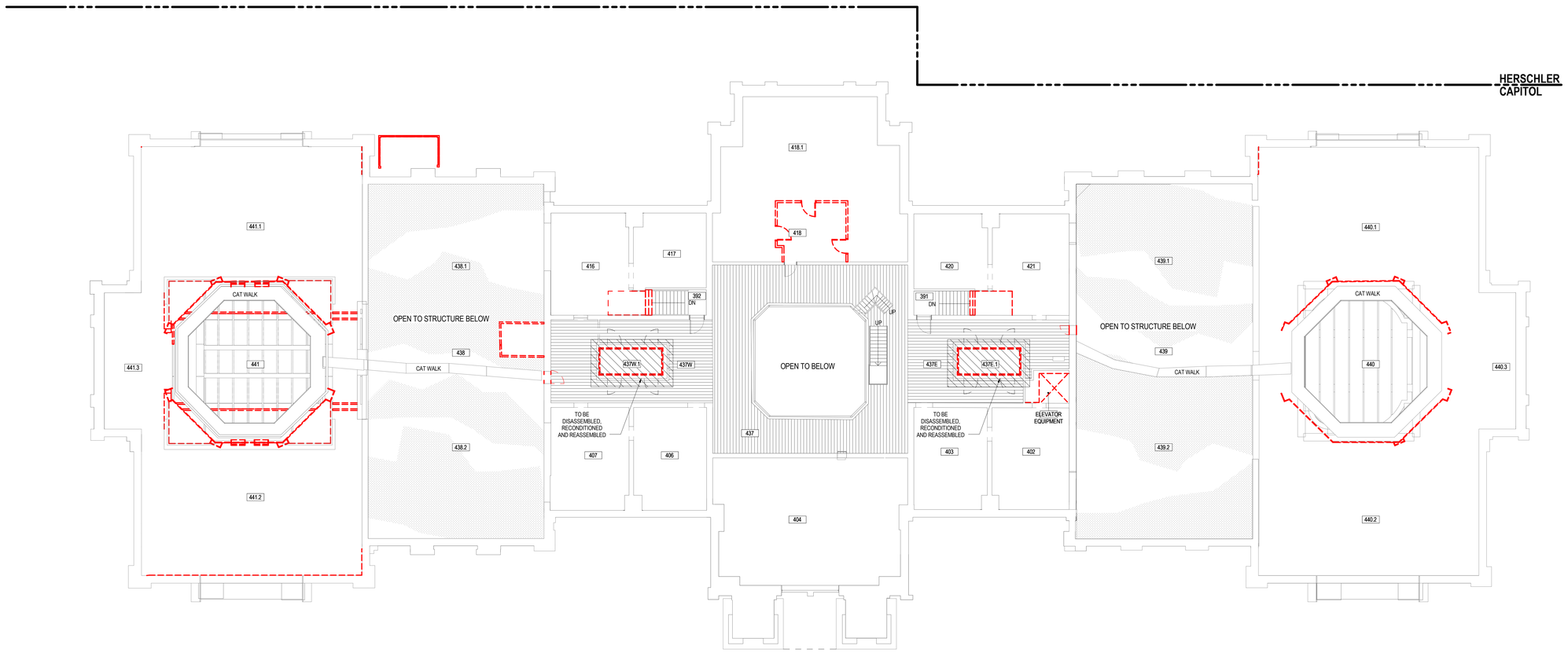
PKG. IDENTIFIER 2

SELECTIVE REMOVAL THIRD FLOOR PLAN

SCALE 1" = 10'-0"

2AD103

Schematic Design



6B SELECTIVE REMOVAL ATTIC 1 PLAN

1" = 10'-0"

7'-6" 2'-6"

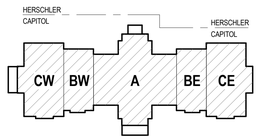
10'-0" 5'-0" 0 10'-0" 20'-0" 40'-0"

GENERAL NOTES

CONSTRUCTION NOTES

GRAPHIC LEGEND

KEY PLAN



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Construction Management

Capitol Square
Rehabilitation and Restoration

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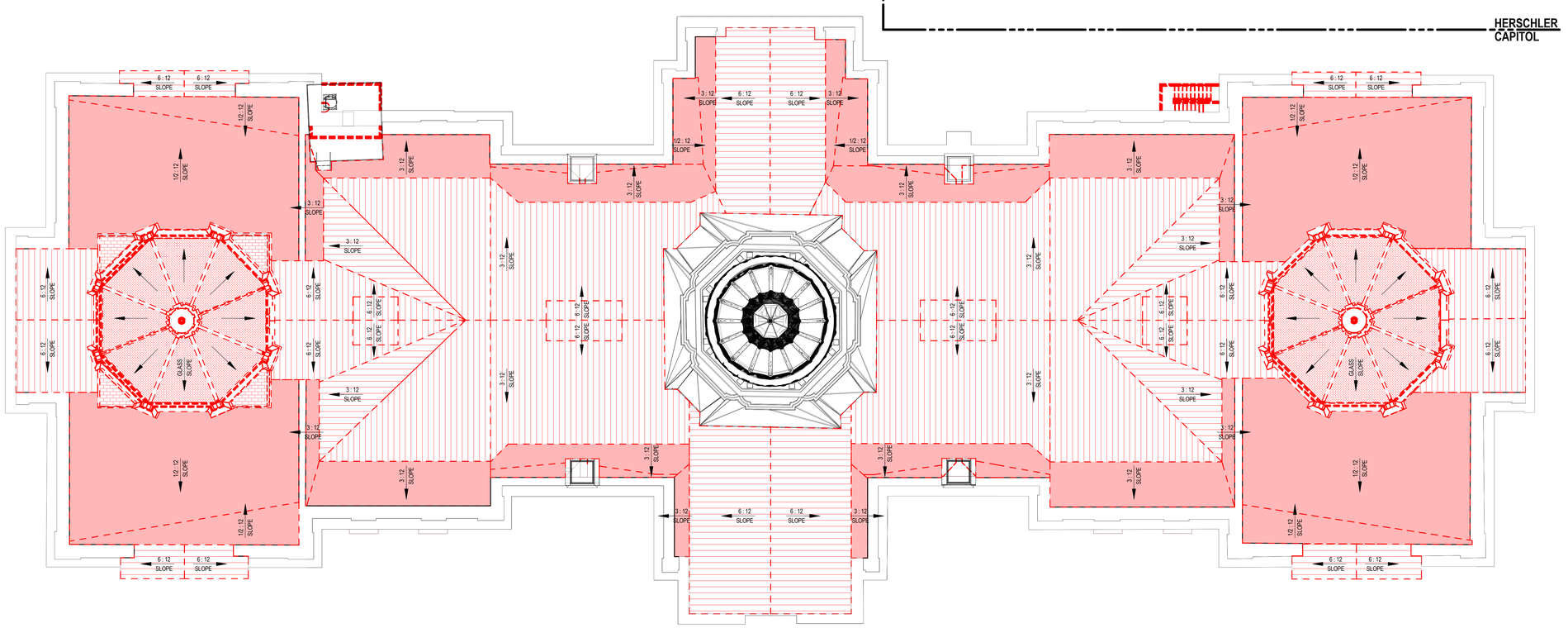
PKG. IDENTIFIER 2

SELECTIVE REMOVAL ATTIC 1 PLAN

SCALE 1" = 10'-0"

2AD104

Schematic Design



6B SELECTIVE REMOVAL ROOF PLAN

1" = 10'-0"

12'-0" 4'-0"

16'-0" 8'-0" 0 16'-0" 32'-0" 64'-0"

GENERAL NOTES

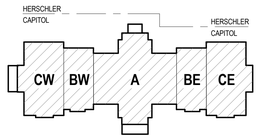
CONSTRUCTION NOTES

GRAPHIC LEGEND

SELECTIVE REMOVAL ROOF LEGEND

- STANDING SEAM METAL ROOFING - NORTH/SOUTH ORIENTATION TO BE REMOVED
- STANDING SEAM METAL ROOFING - WEST/EAST ORIENTATION TO BE REMOVED
- LOW-SLOPE MEMBRANE ROOFING TO BE REMOVED
- LOW-SLOPE LAPPED-SHEET METAL ROOFING TO BE REMOVED
- SKYLIGHT TO BE REMOVED

KEY PLAN



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Construction Management

Capitol Square
Rehabilitation and Restoration

HDR PDP RNL

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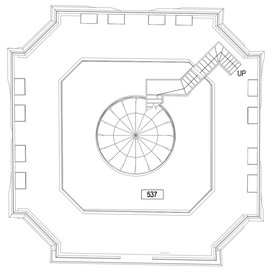
SELECTIVE REMOVAL ROOF PLAN

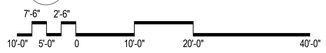
SCALE 1" = 10'-0"

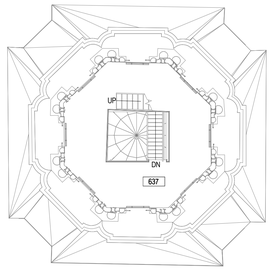
2AD105

Schematic Design

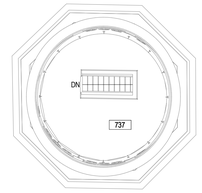


6B SELECTIVE REMOVAL ATTIC 2 PLAN
1" = 10'-0"





5B SELECTIVE REMOVAL DOME 1 PLAN
1" = 10'-0"



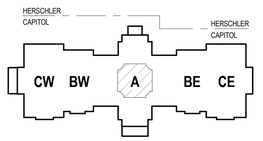
3B SELECTIVE REMOVAL DOME 2 PLAN
1" = 10'-0"

GENERAL NOTES

CONSTRUCTION NOTES

GRAPHIC LEGEND

KEY PLAN



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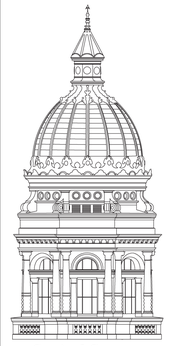
Construction Management



Capitol Square
Rehabilitation and Restoration

HDR PDP PLAN ARCHITECT

PRELIMINARY
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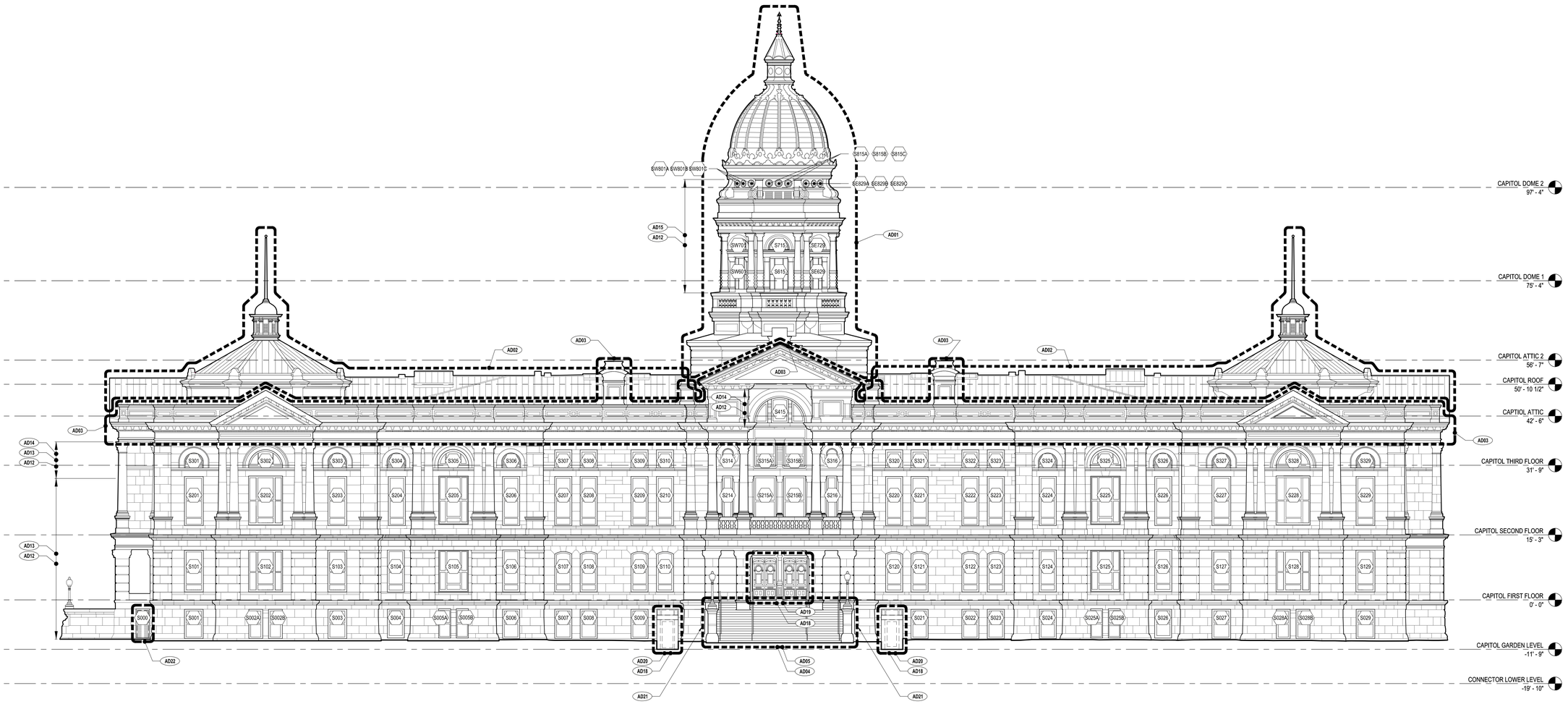
PKG. IDENTIFIER	2

SELECTIVE REMOVAL ATTIC 2, DOME 1 AND 2 PLAN

SCALE 1" = 10'-0"

2AD106

Schematic Design



6B SELECTIVE REMOVAL SOUTH ELEVATION

1" = 10'-0"

7'-6" 2'-6"

10'-0" 5'-0" 0 10'-0" 20'-0" 40'-0"

GENERAL NOTES

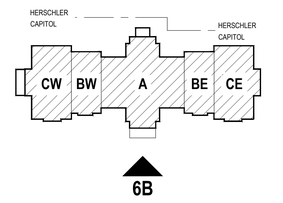
KEY NOTES: SELECTIVE REMOVAL

AD01	**DOME:** SEE SCHEMATIC DESIGN REPORT, DOME SECTION 6.3 FOR THE EXTENT OF REMOVALS AND DISASSEMBLY AT THE DOME. CAREFULLY REMOVE LIGHTNING PROTECTION SYSTEM, COORDINATE WITH ELECTRICAL ENGINEER AND HDR. CAREFULLY REMOVE DETERIORATED WOOD SHEATHING, CUTRIGGERS AND BLOCKING AS DIRECTED BY STRUCTURAL ENGINEER. REMOVE ALL CONDUITS AND LIGHTING FIXTURES AS DIRECTED BY MEP ENGINEERS AND HDR.
AD02	**ROOF AND SKYLIGHTS**: SEE SCHEMATIC DESIGN REPORT, ROOF AND SKYLIGHT SECTION 6.4.1 AND PLUMBING SECTION 6.6.4 FOR THE EXTENT OF REMOVALS AND DISASSEMBLY AT THE ROOF. CAREFULLY REMOVE RAINWATER CONDUCTORS AS DIRECTED BY PLUMBING ENGINEER AND HDR. REFER TO ROOF PLANS FOR THE EXTENT OF REMOVALS AND DISASSEMBLY AT THE SKYLIGHTS.
AD03	**GALVANIZED METAL ASSEMBLY**: SEE SCHEMATIC DESIGN REPORT, GALVANIZED METAL ASSEMBLY SECTION 6.4.2 FOR THE EXTENT OF REMOVALS AND DISASSEMBLY AT THE GALVANIZED METAL.
AD04	**MASONRY, MONUMENTAL STAIRS - GENERAL**: SEE SCHEMATIC DESIGN REPORT, MASONRY SECTION 6.4.3 FOR EXTENT OF REMOVALS AND DISASSEMBLY AT THE MASONRY STAIRS.
AD05	**MASONRY, SOUTH MONUMENTAL STAIRS**: CAREFULLY DISASSEMBLE SOUTH STAIRS AND PORTIONS OF CHEEK WALLS AS NECESSARY TO REMOVE STEPS; SALVAGE SOUND STONE, PROTECT AND STORE STONE UNITS FOR REPAIR AND REASSEMBLY. REMOVE METAL RAILINGS. PROTECT MASONRY SUPPORT STRUCTURE. COORDINATE WORK WITH STRUCTURAL ENGINEER.
AD06	**MASONRY, NORTH MONUMENTAL STAIRS**: CAREFULLY DISASSEMBLE NORTH STAIRS AND CHEEK WALLS; SALVAGE SOUND STONE, PROTECT AND STORE STONE UNITS FOR REPAIR AND REASSEMBLY. REMOVE METAL RAILINGS. PROTECT MASONRY SUPPORT STRUCTURE. COORDINATE WORK WITH STRUCTURAL ENGINEER.
AD07	**MASONRY, WEST MONUMENTAL STAIRS**: CAREFULLY DISASSEMBLE WEST STAIRS AND CHEEK WALLS; SALVAGE SOUND STONE AT STEPS FOR REUSE IN DUTCHMAN REPAIRS AT OTHER LOCATIONS ON BUILDING. SALVAGE CHEEK WALLS FOR REPAIR AND REASSEMBLY. REMOVE METAL RAILINGS. PROTECT MASONRY SUPPORT STRUCTURE. COORDINATE WORK WITH STRUCTURAL ENGINEER.
AD08	**MASONRY, GLASS VESTIBULES**: CAREFULLY REMOVE GLASS VESTIBULES WITHOUT DAMAGING THE MASONRY. DISCARD GLASS VESTIBULES. CAREFULLY REMOVE DOORS [ONE PER VESTIBULE] AND DISCARD.
AD09	**MASONRY, METAL EGRESS STAIRS**: CAREFULLY REMOVE METAL EGRESS STAIRS AND LANDINGS WITHOUT DAMAGING THE MASONRY. DISCARD.
AD10	**MASONRY CHIMNEY**: CAREFULLY REMOVE STONE CHIMNEY AND SALVAGE SOUND STONE FOR REUSE IN DUTCHMAN REPAIRS AT OTHER LOCATIONS ON BUILDING. COORDINATE REMOVAL WITH STRUCTURAL ENGINEER.
AD11	**MASONRY, NORTH ELEVATION**: REMOVE SCORED CEMENTITIOUS MATERIAL AND PROTECT MASONRY WALL.
AD12	**WINDOWS - GENERAL**: SEE SCHEMATIC DESIGN REPORT, WINDOW SECTION 6.4.4 FOR THE EXTENT OF REMOVALS AT THE WINDOWS.
AD13	**WINDOWS AT GARDEN LEVEL, FIRST AND SECOND FLOORS AND RECTANGULAR WINDOWS AT THIRD FLOOR**: CAREFULLY REMOVE METAL CLADDING AND DISCARD. REMOVE ALUMINUM WINDOW SASHES AND DISCARD. PROTECT WOOD FRAMES IN-PLACE.
AD14	**ARCHED WINDOWS AT THIRD FLOOR**: CAREFULLY REMOVE METAL CLADDING ON FRAMES AND SASH AND DISCARD. CAREFULLY REMOVE AND SALVAGE WOOD SASH. PROTECT AND STORE SASH FOR RESTORATION. PROTECT WOOD FRAMES IN-PLACE.
AD15	**WINDOWS AT DOME**: CAREFULLY REMOVE ALL METAL CLADDING AT WINDOWS. CAREFULLY REMOVE ALL WINDOW SASHES AND DISCARD. PROTECT WOOD FRAMES IN-PLACE.
AD16	*[NOT USED]*
AD17	*[NOT USED]*
AD18	**EXTERIOR DOORS - GENERAL**: SEE SCHEMATIC DESIGN REPORT, EXTERIOR DOOR SECTION 6.4.5 FOR THE EXTENT OF REMOVALS AT THE EXTERIOR DOORS.
AD19	**EXTERIOR DOORS - SOUTH, NORTH AND WEST ENTRANCE DOORS**: REMOVALS AT ENTRANCE DOORS TO BE DONE BY OTHERS. AFTER ENTRANCE DOORS ARE REMOVED BY OTHERS AND THE FRAMES AND TRANSOM WINDOWS ARE PROTECTED, INSTALL TEMPORARY CONSTRUCTION DOORS WITH NEW FRAMES.
AD20	**EXTERIOR DOORS**: REMOVE AND DISCARD.
AD21	REMOVE WINDOWS AT SOUTH PORTICO. [4 LOCATIONS, 2 EACH AT EAST AND WEST ELEVATIONS OF SOUTH PORTICO]
AD22	**EXTERIOR LOUVERS AT GARDEN LEVEL**: REMOVE AND DISCARD.

CONSTRUCTION KEYNOTES

GRAPHIC LEGEND

KEY PLAN



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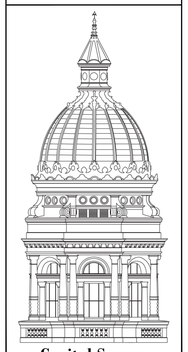
State of Wyoming

Administration & Information
Construction Management



Capitol Square
Rehabilitation and Restoration
State of Wyoming A&I Construction Management

HDR PDP RLM DESIGN

PRELIMINARY
NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION
1	2014/12/19	SD OWNER REVIEW

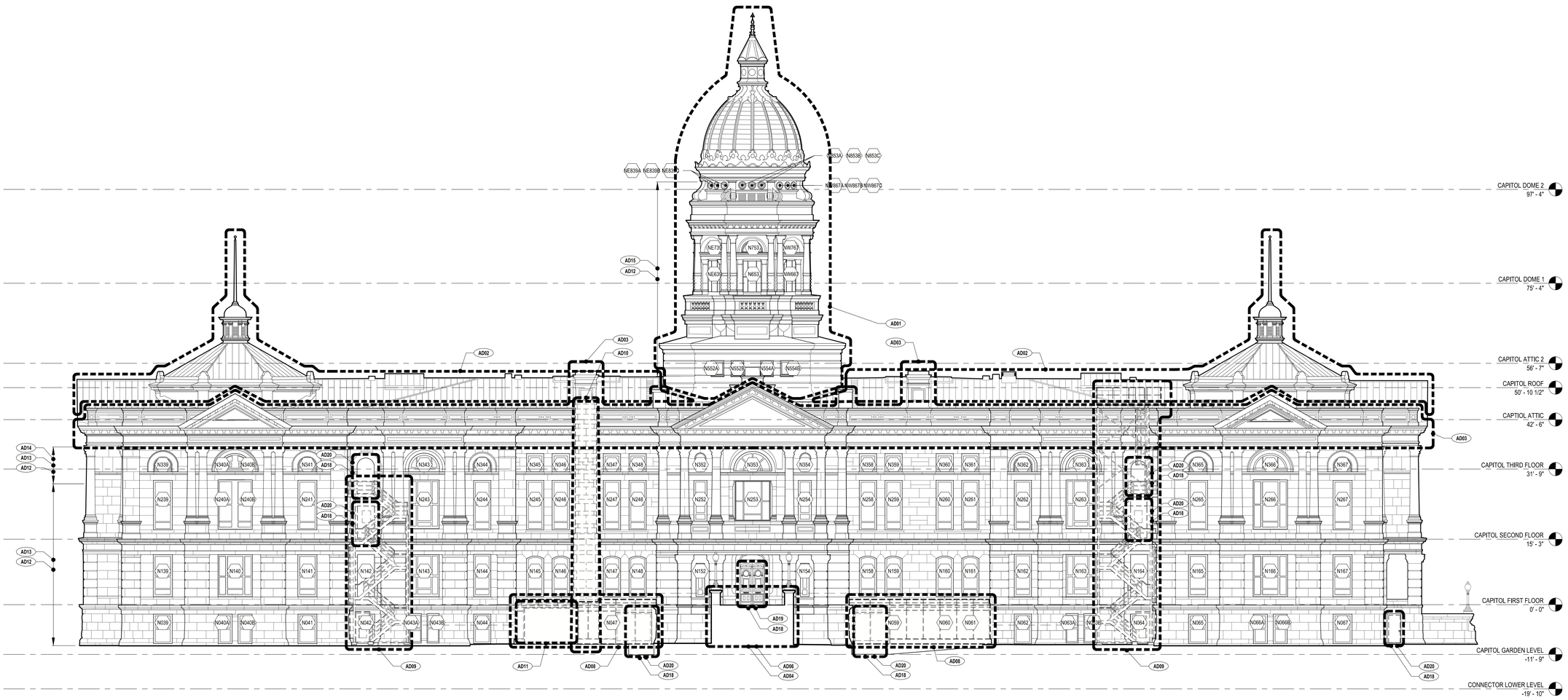
PROJECT NUMBER 203619
ORIGINAL ISSUE - -
PKG. IDENTIFIER 2

SELECTIVE REMOVAL SOUTH ELEVATION

SCALE AS NOTED

2AD201

Schematic Design



6B SELECTIVE REMOVAL NORTH ELEVATION

1" = 10'

7'-6" 2'-6"

10'-0" 5'-0" 0 10'-0" 20'-0" 40'-0"

GENERAL NOTES

KEY NOTES: SELECTIVE REMOVAL

AD01	**DOME:** SEE SCHEMATIC DESIGN REPORT, DOME SECTION 6.3 FOR THE EXTENT OF REMOVALS AND DISASSEMBLY AT THE DOME. CAREFULLY REMOVE LIGHTNING PROTECTION SYSTEM. COORDINATE WITH ELECTRICAL ENGINEER AND HDR. CAREFULLY REMOVE DETERIORATED WOOD SHEATHING, OUTRIGGERS AND BLOCKING AS DIRECTED BY STRUCTURAL ENGINEER. REMOVE ALL CONDUITS AND LIGHTING FIXTURES AS DIRECTED BY MEP ENGINEERS AND HDR.
AD02	**ROOF AND SKYLIGHTS**: SEE SCHEMATIC DESIGN REPORT, ROOF AND SKYLIGHT SECTION 6.4.1 AND PLUMBING SECTION 6.6.4 FOR THE EXTENT OF REMOVALS AND DISASSEMBLY AT THE ROOF. CAREFULLY REMOVE RAINWATER CONDUCTORS AS DIRECTED BY PLUMBING ENGINEER AND HDR. REFER TO ROOF PLANS FOR THE EXTENT OF REMOVALS AND DISASSEMBLY AT THE SKYLIGHTS.
AD03	**GALVANIZED METAL ASSEMBLY**: SEE SCHEMATIC DESIGN REPORT, GALVANIZED METAL ASSEMBLY SECTION 6.4.2 FOR THE EXTENT OF REMOVALS AND DISASSEMBLY AT THE GALVANIZED METAL.
AD04	**MASONRY, MONUMENTAL STAIRS - GENERAL**: SEE SCHEMATIC DESIGN REPORT, MASONRY SECTION 6.4.3 FOR EXTENT OF REMOVALS AND DISASSEMBLY AT THE MASONRY STAIRS.
AD05	**MASONRY, SOUTH MONUMENTAL STAIRS**: CAREFULLY DISASSEMBLE SOUTH STAIRS AND PORTIONS OF CHEEK WALLS AS NECESSARY TO REMOVE STEPS; SALVAGE SOUND STONE. PROTECT AND STORE STONE UNITS FOR REPAIR AND REASSEMBLY. REMOVE METAL RAILINGS. PROTECT MASONRY SUPPORT STRUCTURE. COORDINATE WORK WITH STRUCTURAL ENGINEER.
AD06	**MASONRY, NORTH MONUMENTAL STAIRS**: CAREFULLY DISASSEMBLE NORTH STAIRS AND CHEEK WALLS; SALVAGE SOUND STONE. PROTECT AND STORE STONE UNITS FOR REPAIR AND REASSEMBLY. REMOVE METAL RAILINGS. PROTECT MASONRY SUPPORT STRUCTURE. COORDINATE WORK WITH STRUCTURAL ENGINEER.
AD07	**MASONRY, WEST MONUMENTAL STAIRS**: CAREFULLY DISASSEMBLE WEST STAIRS AND CHEEK WALLS; SALVAGE SOUND STONE AT STEPS FOR REUSE IN DUTCHMAN REPAIRS AT OTHER LOCATIONS ON BUILDING. SALVAGE CHEEK WALLS FOR REPAIR AND REASSEMBLY. REMOVE METAL RAILINGS. PROTECT MASONRY SUPPORT STRUCTURE. COORDINATE WORK WITH STRUCTURAL ENGINEER.
AD08	**MASONRY, GLASS VESTIBULES**: CAREFULLY REMOVE GLASS VESTIBULES WITHOUT DAMAGING THE MASONRY. DISCARD GLASS VESTIBULES. CAREFULLY REMOVE DOORS [ONE PER VESTIBULE] AND DISCARD.

CONSTRUCTION KEYNOTES

AD09	**MASONRY, METAL EGRESS STAIRS**: CAREFULLY REMOVE METAL EGRESS STAIRS AND LANDINGS WITHOUT DAMAGING THE MASONRY. DISCARD.
AD10	**MASONRY CHIMNEY**: CAREFULLY REMOVE STONE CHIMNEY AND SALVAGE SOUND STONE FOR REUSE IN DUTCHMAN REPAIRS AT OTHER LOCATIONS ON BUILDING. COORDINATE REMOVAL WITH STRUCTURAL ENGINEER.
AD11	**MASONRY, NORTH ELEVATION**: REMOVE SCORED CEMENTITIOUS MATERIAL AND PROTECT MASONRY WALL.
AD12	**WINDOWS - GENERAL**: SEE SCHEMATIC DESIGN REPORT, WINDOW SECTION 6.4.4 FOR THE EXTENT OF REMOVALS AT THE WINDOWS.
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AD14	**ARCHED WINDOWS AT THIRD FLOOR**: CAREFULLY REMOVE METAL CLADDING ON FRAMES AND SASH AND DISCARD. CAREFULLY REMOVE AND SALVAGE WOOD SASH. PROTECT AND STORE SASH FOR RESTORATION. PROTECT WOOD FRAMES IN-PLACE.
AD15	**WINDOWS AT DOME**: CAREFULLY REMOVE ALL METAL CLADDING AT WINDOWS. CAREFULLY REMOVE ALL WINDOW SASHES AND DISCARD. PROTECT WOOD FRAMES IN-PLACE.
AD16	*[NOT USED]*
AD17	*[NOT USED]*
AD18	**EXTERIOR DOORS - GENERAL**: SEE SCHEMATIC DESIGN REPORT, EXTERIOR DOOR SECTION 6.4.5 FOR THE EXTENT OF REMOVALS AT THE EXTERIOR DOORS.
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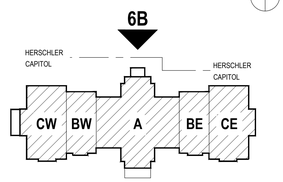
AD22	**EXTERIOR LOUVERS AT GARDEN LEVEL**: REMOVE AND DISCARD.

GRAPHIC LEGEND

KEY PLAN



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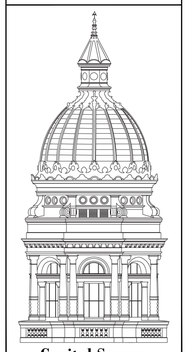
State of Wyoming

Administration & Information
Construction Management



Capitol Square
Rehabilitation and Restoration
State of Wyoming A&I Construction Management

HDR PDP PLAN ARCHITECT

PRELIMINARY
NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION
1	2014/12/19	SD OWNER REVIEW

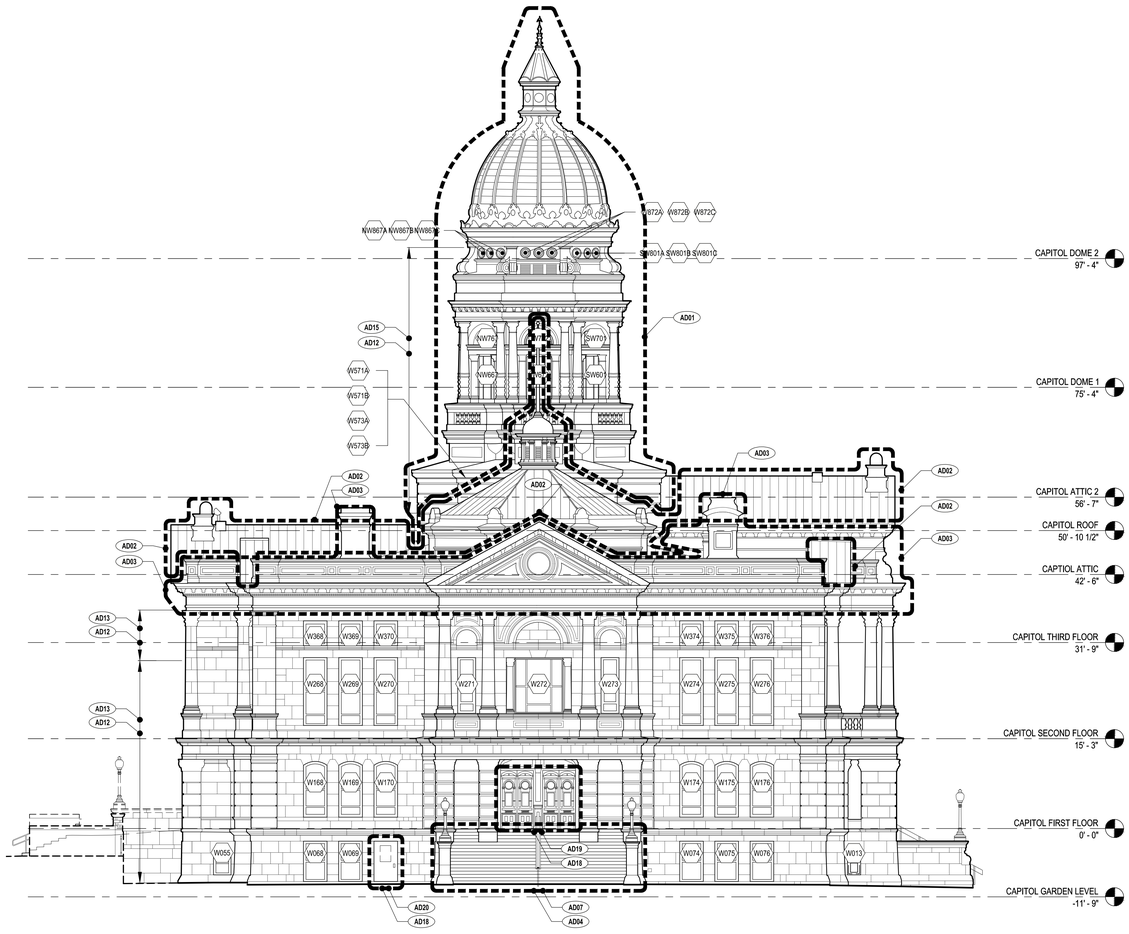
PROJECT NUMBER	203619
ORIGINAL ISSUE	- -
PKG. IDENTIFIER	2

SELECTIVE REMOVAL NORTH ELEVATION

SCALE	AS NOTED

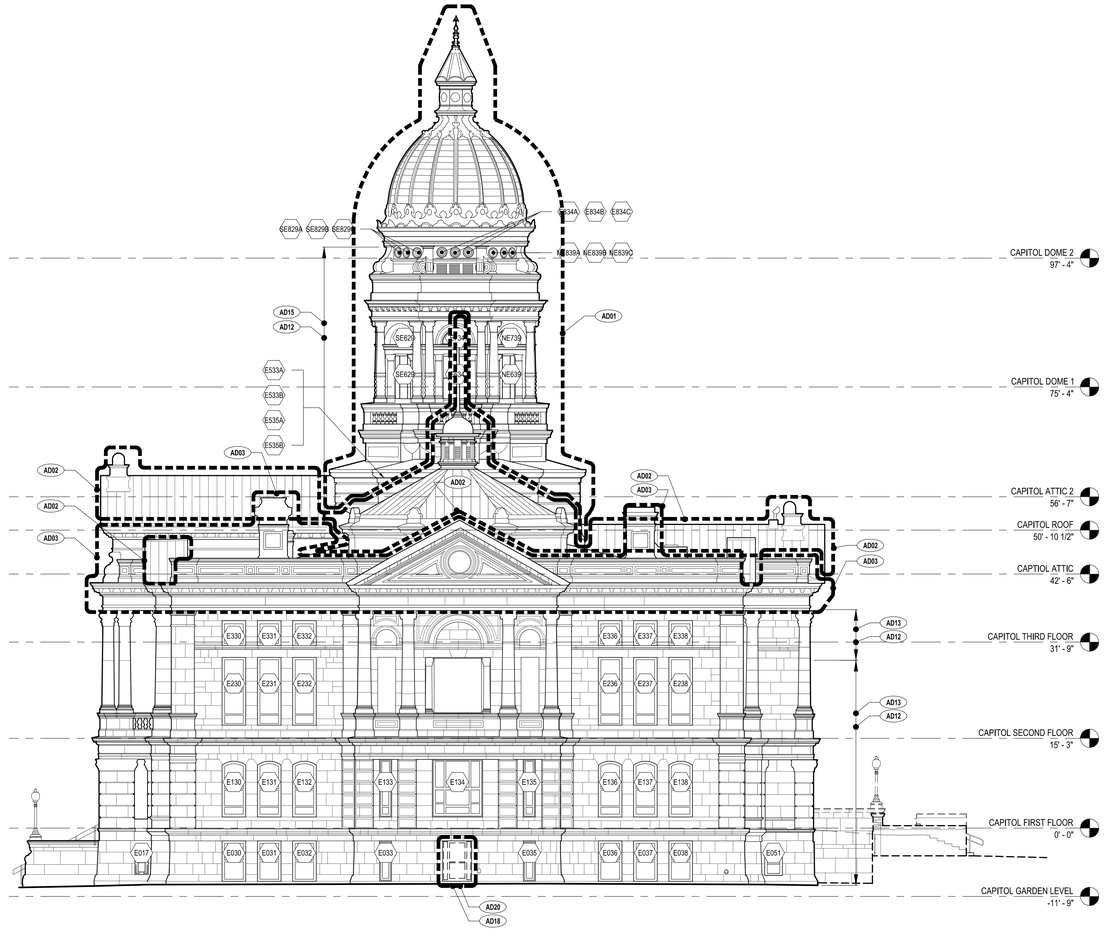
2AD202

Schematic Design



7B SELECTIVE REMOVAL WEST ELEVATION
1" = 10'-0"

7'-6" 2'-6"
10'-0" 5'-0" 0 10'-0" 20'-0" 40'-0"



3B SELECTIVE REMOVAL EAST ELEVATION
1" = 10'-0"

7'-6" 2'-6"
10'-0" 5'-0" 0 10'-0" 20'-0" 40'-0"

GENERAL NOTES

KEY NOTES: SELECTIVE REMOVAL

AD01	**DOME:** SEE SCHEMATIC DESIGN REPORT, DOME SECTION 6.3 FOR THE EXTENT OF REMOVALS AND DISASSEMBLY AT THE DOME. CAREFULLY REMOVE LIGHTNING PROTECTION SYSTEM, COORDINATE WITH ELECTRICAL ENGINEER AND HDR. CAREFULLY REMOVE DETERIORATED WOOD SHEATHING, OUTRIGGERS AND BLOCKING AS DIRECTED BY STRUCTURAL ENGINEER. REMOVE ALL CONDUITS AND LIGHTING FIXTURES AS DIRECTED BY MEP ENGINEERS AND HDR.
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AD17	*[NOT USED]*
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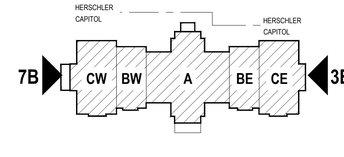
CONSTRUCTION KEYNOTES

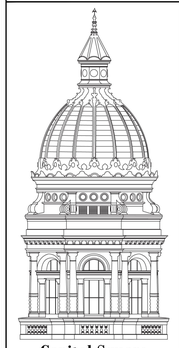
GRAPHIC LEGEND

KEY PLAN



State of Wyoming

Administration & Information
Construction Management



Capitol Square
Rehabilitation and Restoration
State of Wyoming A&I Construction Management

HDR PDP RLA

PRELIMINARY
NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION
1	2014/12/19	SD OWNER REVIEW

PROJECT NUMBER 203619
ORIGINAL ISSUE - -
PKG. IDENTIFIER 2

SELECTIVE REMOVAL EAST & WEST ELEVATIONS

SCALE AS NOTED

2AD203

Schematic Design

P:\13.001_Wyoming State Cap\A07_Drawings\07_01_CADD Drawings\03_Schematic Design\2ADD00s_Exterior Selective Removals ELEVATIONS.dwg
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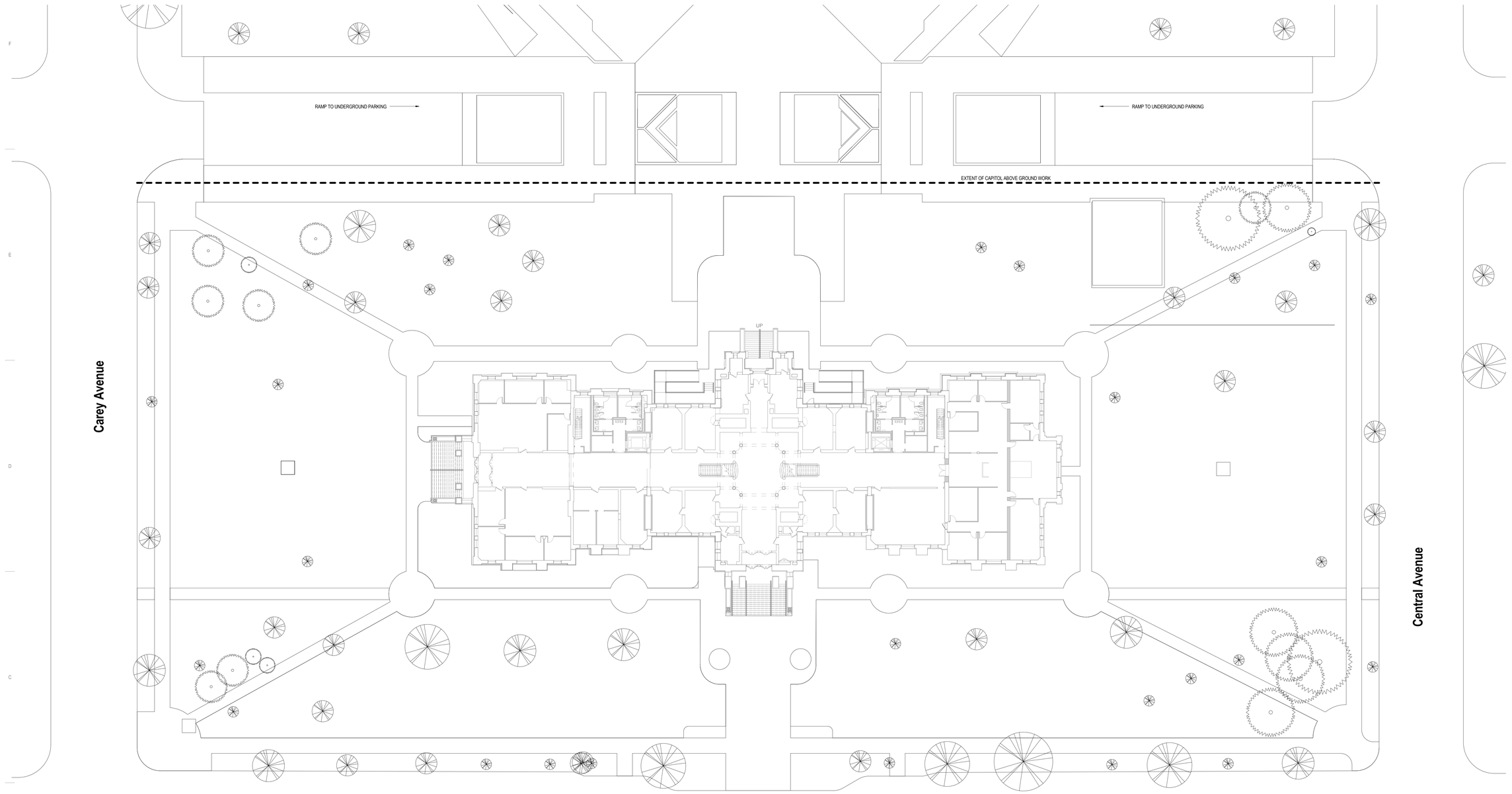


6B PROPOSED SITE PLAN
1" = 20'-0"

15'-0" 5'-0"
20'-0" 10'-0" 0 20'-0" 40'-0" 80'-0"

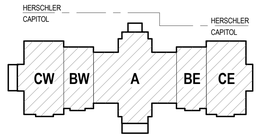
GENERAL NOTES

1. DRAWINGS & SPECIFICATIONS ARE COMPLIMENTARY COMPONENTS OF THE CONTRACT DOCUMENTS. REVIEW ALL DRAWINGS AND SPECIFICATIONS FOR THE COMPLETE SCOPE OF WORK. NOTIFY ARCHITECT IMMEDIATELY FOR CLARIFICATION IF INCONSISTENCIES, CONTRADICTIONS OR OMISSIONS ARE DISCOVERED.
2. DO NOT SCALE DRAWINGS, IF DIMENSIONAL INFORMATION IS REQUIRED & NOT FOUND, NOTIFY ARCHITECT IMMEDIATELY FOR CLARIFICATION.
3. ALL DIMENSIONS ARE TO COLUMN CENTERLINES OR FACE OF FINISHED WALLS OR SURFACES UNLESS NOTED OTHERWISE.
4. REFER TO DEMOLITION DRAWINGS, IF ANY, FOR WORK REQUIRED IN ADVANCE OF CONSTRUCTION AND COORDINATE ACCORDINGLY.
5. ALL DOOR FRAMES ARE TO BE INSTALLED 4" AWAY OF ADJACENT PERPENDICULAR WALLS UNLESS NOTED OTHERWISE.
6. REFER TO LIFE SAFETY DRAWINGS FOR ADDITIONAL FIRE / SMOKE RATING REQUIREMENTS.
7. REFER TO EQUIPMENT DRAWINGS FOR ADDITIONAL EQUIPMENT SPECIFIC INFORMATION.
8. REFER TO INTERIOR FINISH DRAWINGS FOR ADDITIONAL INTERIOR FINISH SPECIFIC INFORMATION.
9. REFER TO STRUCTURAL DRAWINGS FOR ADDITIONAL STRUCTURAL SPECIFIC INFORMATION.
10. REFER TO MEP DRAWINGS FOR ADDITIONAL MEP SPECIFIC INFORMATION.
11. ALL NON-LOAD BEARING INTERIOR WALLS ARE TYPE "A" UNLESS NOTED OTHERWISE.
12. HIGHER RATED FIRE WALLS TAKE PRECEDENCE OVER LOWER RATED WALLS & ARE TO CONTINUE THROUGH ALL SUCH INTERSECTIONS.
13. ALL SMOKE BARRIER WALLS ARE TO EXTENDED FROM BACK SIDE OF EXTERIOR WALL SHEATHING TO BACK SIDE OF EXTERIOR WALL SHEATHING OR ANOTHER SMOKE BARRIER WALL.

CONSTRUCTION NOTES

GRAPHIC LEGEND

KEY PLAN



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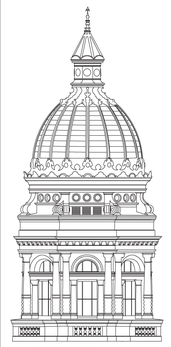
State of Wyoming

Administration & Information
Construction Management



Capitol Square
Rehabilitation and Restoration

HDR PDP PAU ARCHITECTS

PRELIMINARY
NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION
1	2014/12/19	SD OWNER REVIEW

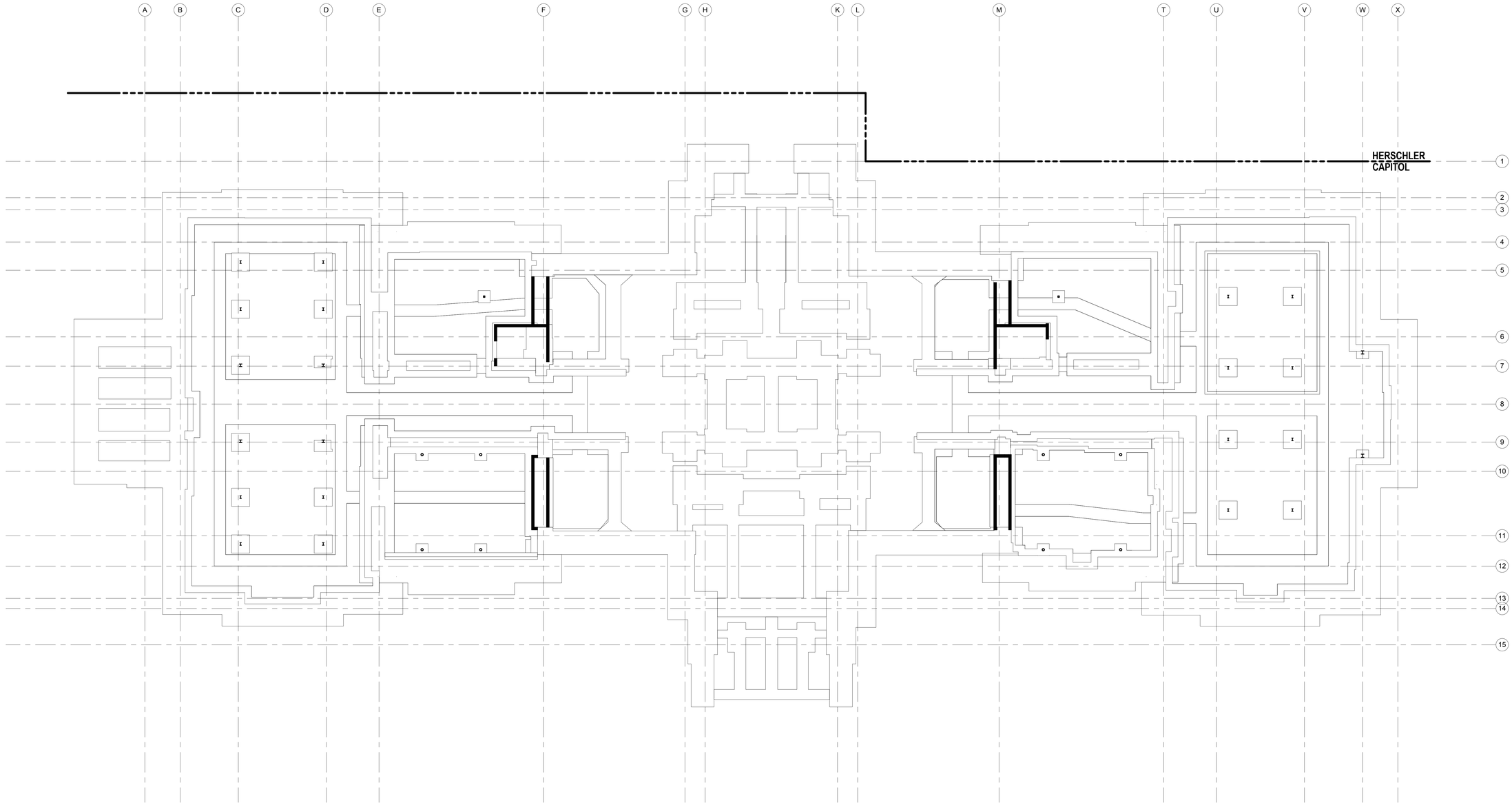
PROJECT NUMBER	203619
ORIGINAL ISSUE	- -
PKG. IDENTIFIER	2

PROPOSED SITE PLAN

SCALE	1" = 20'-0"

2AS050

Schematic Design



6B PROPOSED FOUNDATION PLAN
1" = 10'-0"

7'-6" 2'-6"
10'-0" 5'-0" 0 10'-0" 20'-0" 40'-0"

GENERAL NOTES

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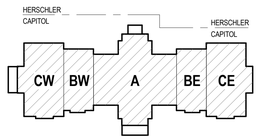
CONSTRUCTION NOTES

GRAPHIC LEGEND

KEY PLAN



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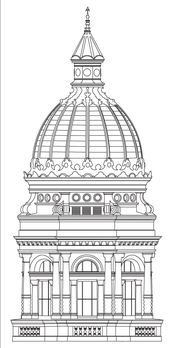
State of Wyoming

Administration & Information
Construction Management



Capitol Square
Rehabilitation and Restoration

HDR PDP RNL

PRELIMINARY
NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION
1	2014/12/19	SD OWNER REVIEW

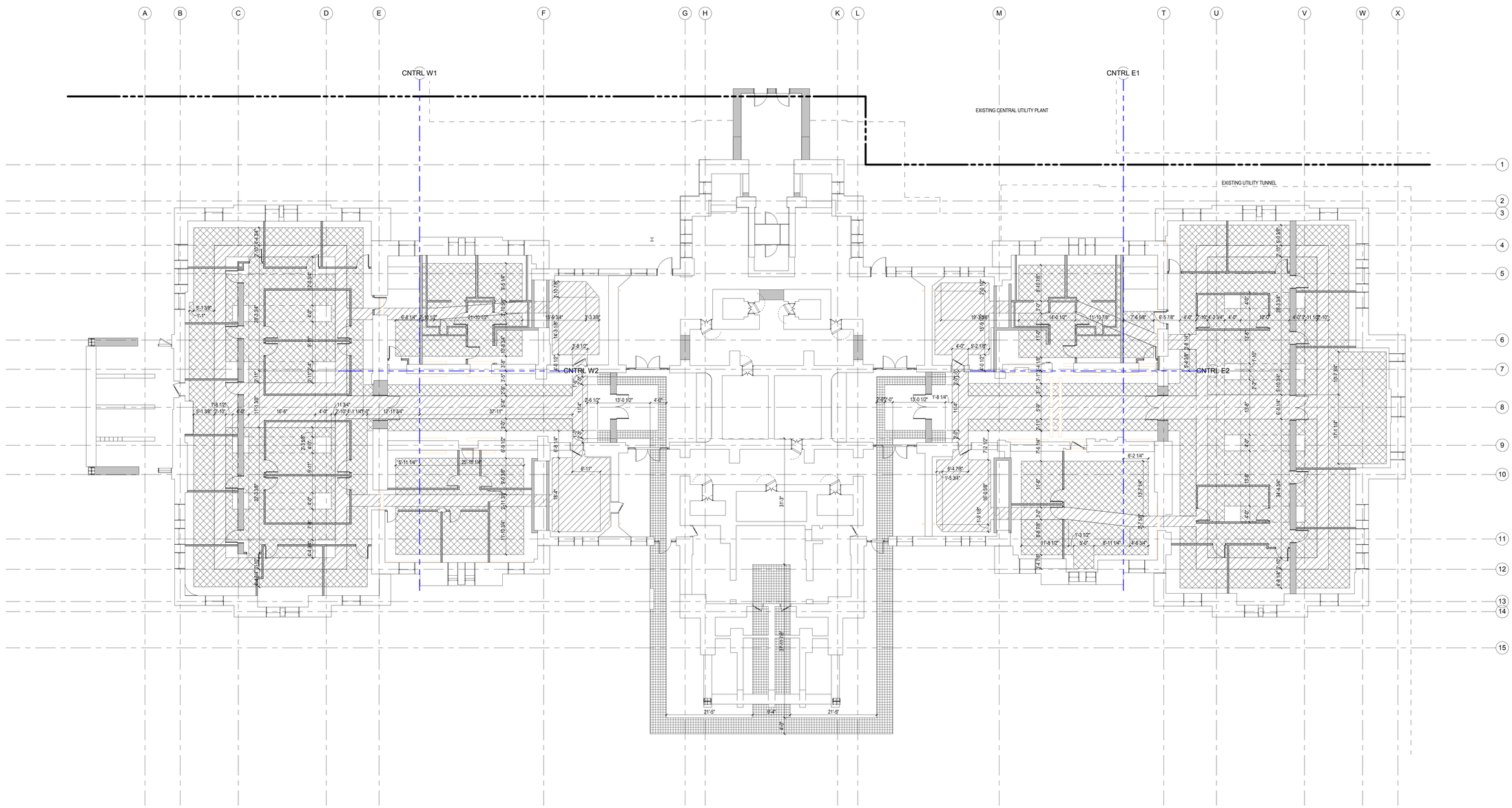
PROJECT NUMBER 203619
ORIGINAL ISSUE - - -
PKG. IDENTIFIER 2

PROPOSED FOUNDATION PLAN

SCALE 1" = 10'-0"

2AE090

Schematic Design



6B PROPOSED GARDEN LEVEL TRENCHING PLAN

1" = 10'-0"

7'-6" 2'-6"

10'-0" 5'-0" 0 10'-0" 20'-0" 40'-0"

GENERAL NOTES

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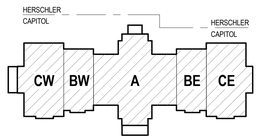
CONSTRUCTION NOTES

GRAPHIC LEGEND

TRENCHING LEGEND:

- **UPPER TRENCH** -1'-4" FROM GARDEN LEVEL
- **LOWER TRENCH** -3'-8" FROM GARDEN LEVEL
- **SMOKE EVACUATION TRENCH** DEPTH TBD

KEY PLAN



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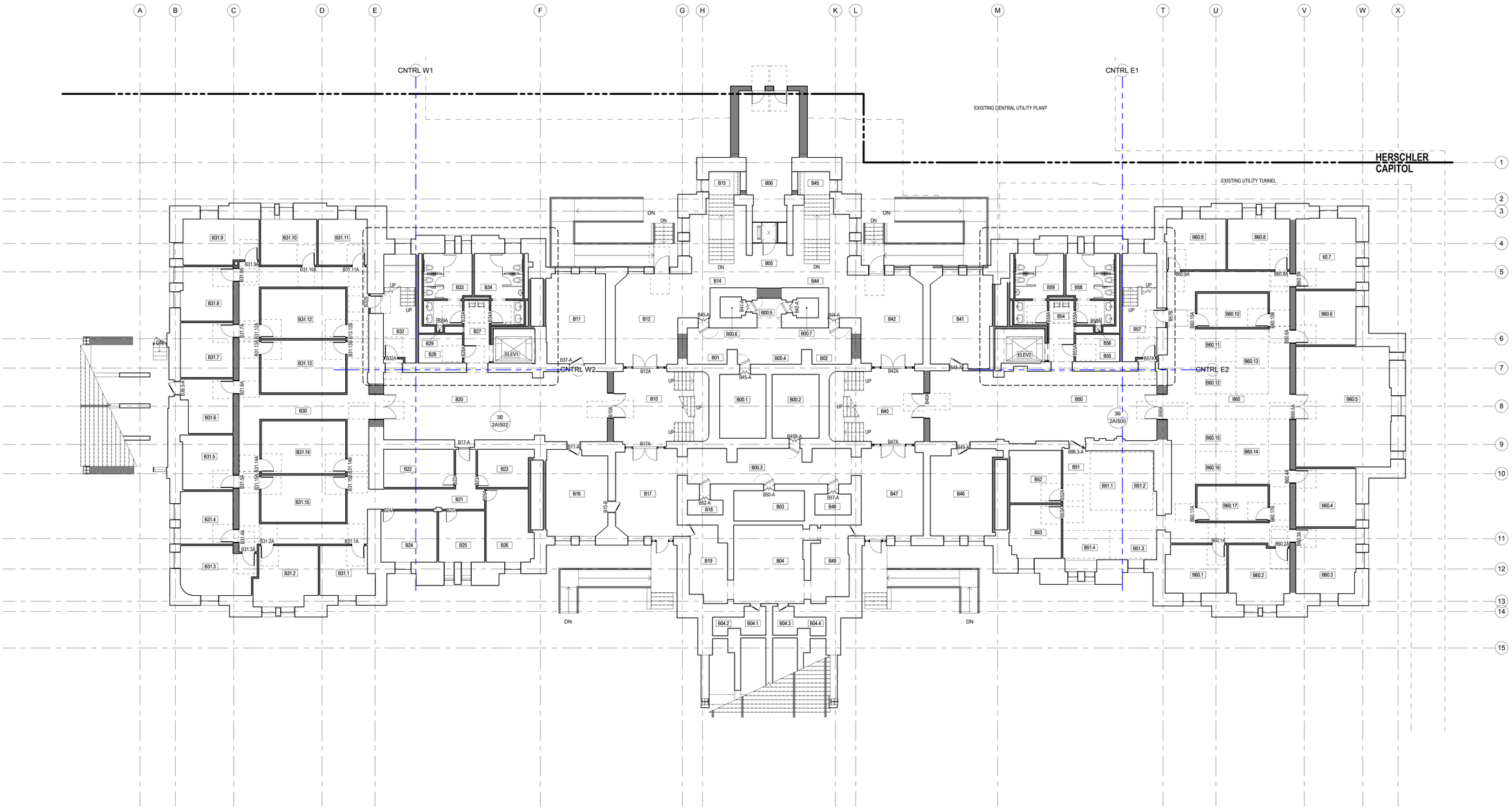
PROPOSED GARDEN LEVEL TRENCHING PLAN

SCALE 1" = 10'-0"

2AE091

Schematic Design



6B PROPOSED GARDEN LEVEL
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10'-0" 5'-0" 0 10'-0" 20'-0" 40'-0"

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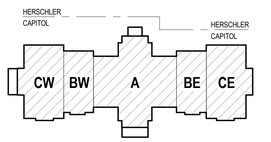
CONSTRUCTION NOTES

GRAPHIC LEGEND

KEY PLAN



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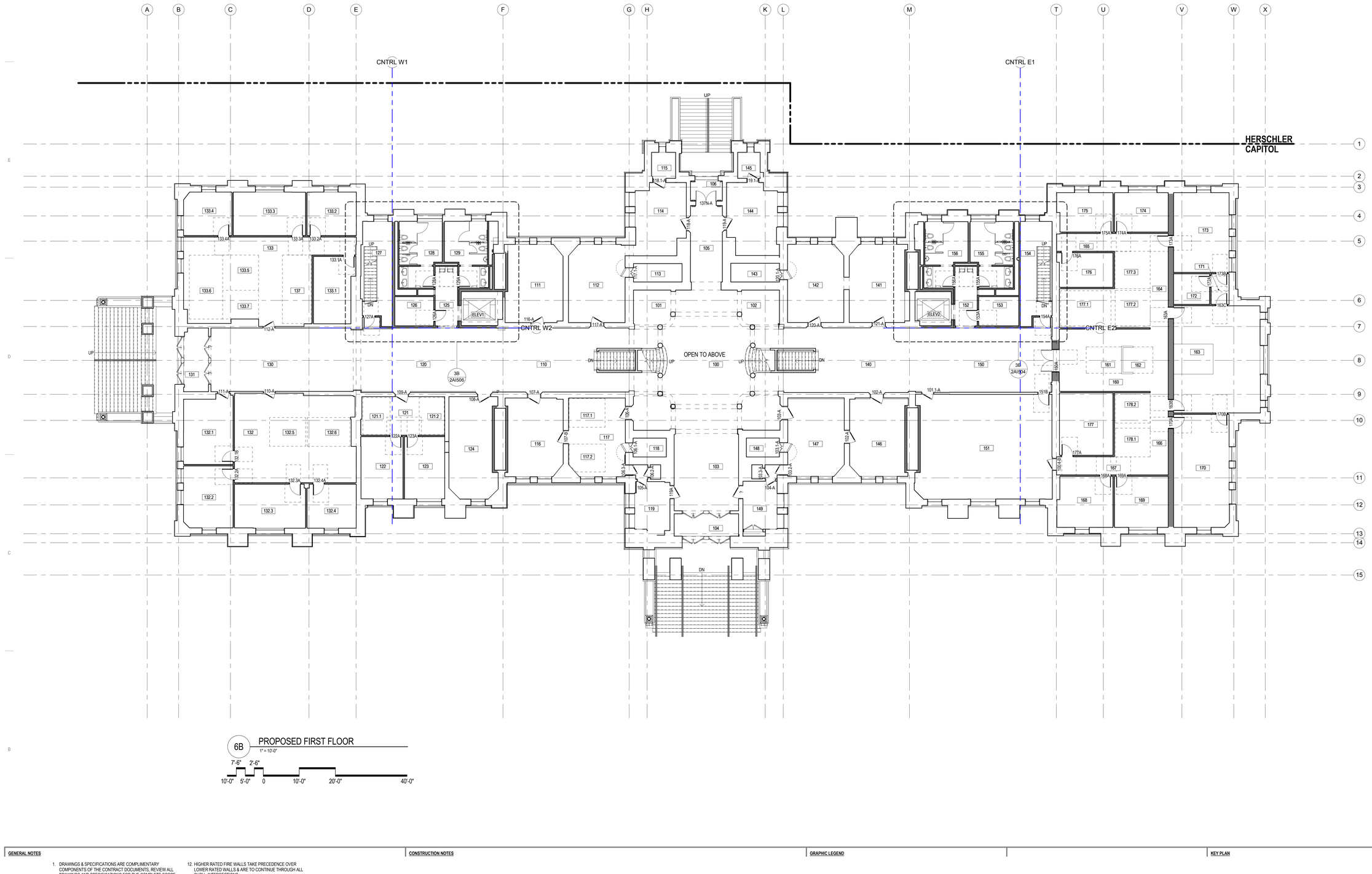
PROPOSED GARDEN LEVEL PLAN

SCALE 1" = 10'-0"

2AI100

Schematic Design



6B PROPOSED FIRST FLOOR
1" = 10'-0"

7'-6" 2'-6"
10'-0" 5'-0" 0 10'-0" 20'-0" 40'-0"

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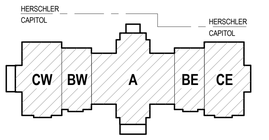
CONSTRUCTION NOTES

GRAPHIC LEGEND

KEY PLAN



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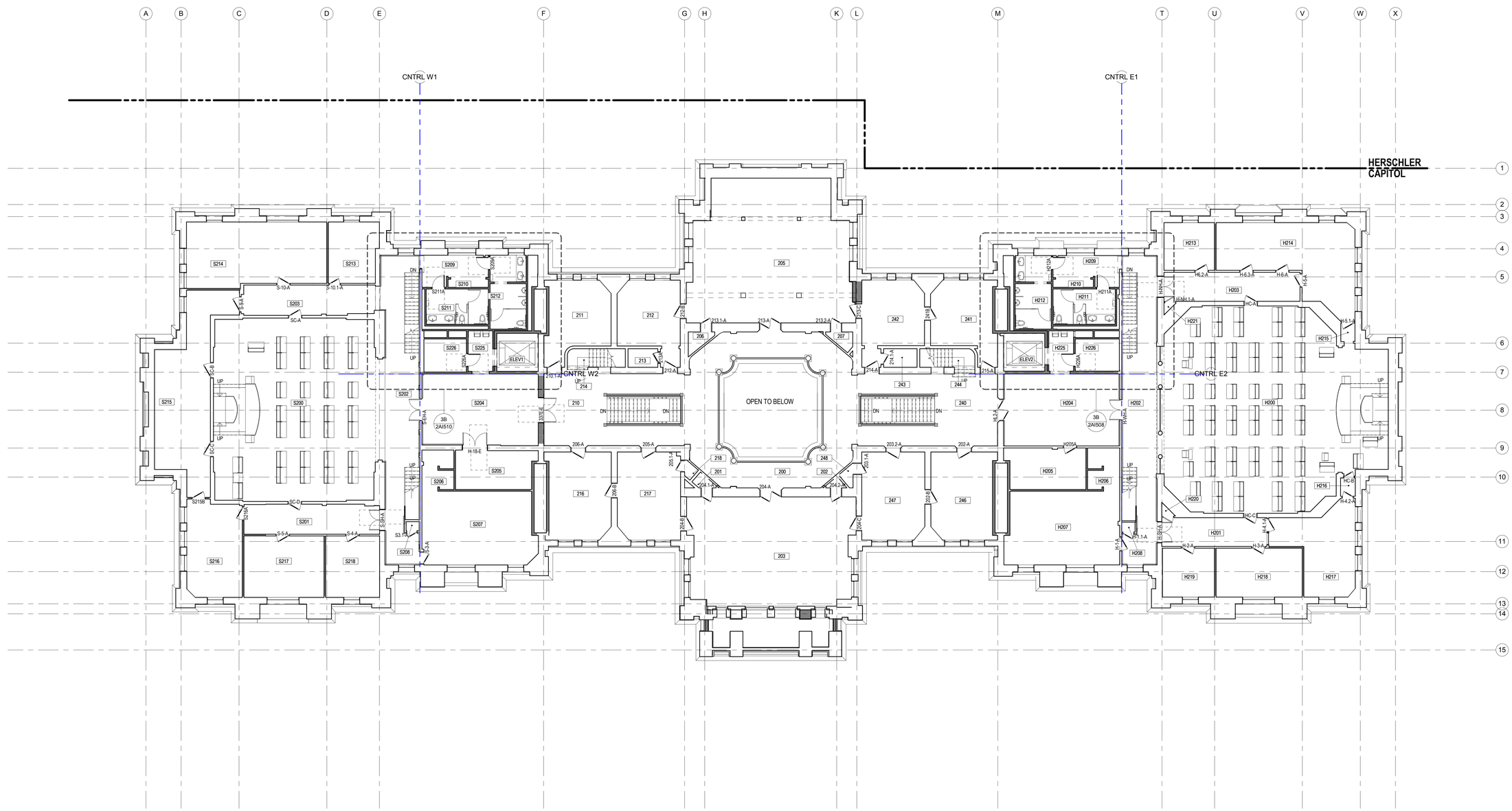
PROPOSED FIRST FLOOR PLAN

SCALE 1" = 10'-0"

2AI101

Schematic Design



PROPOSED SECOND FLOOR

6B 1" = 10'-0"

7'-6" 2'-6"

10'-0" 5'-0" 0 10'-0" 20'-0" 40'-0"

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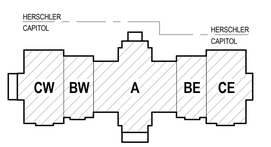
CONSTRUCTION NOTES

GRAPHIC LEGEND

KEY PLAN



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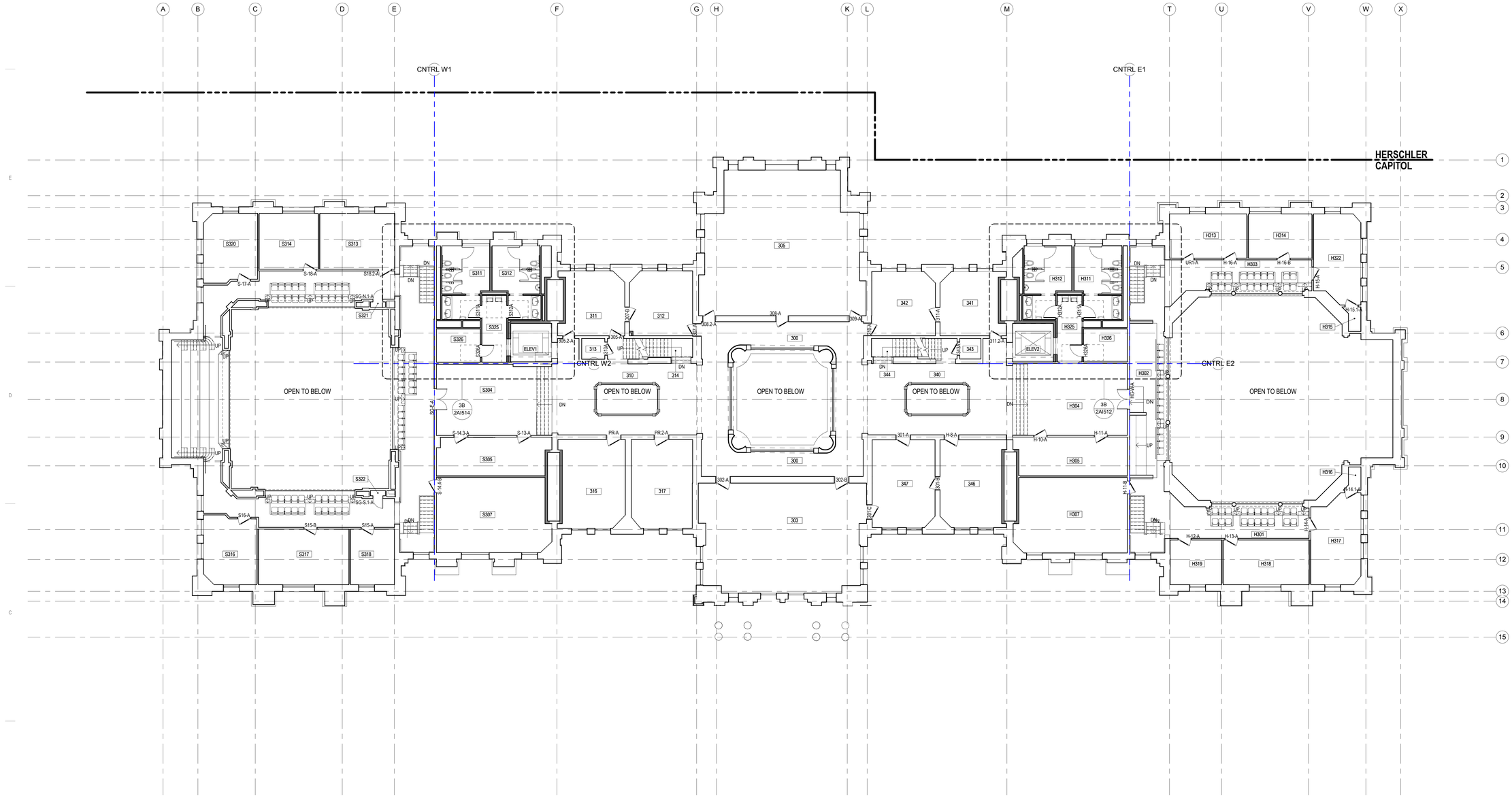
PROPOSED SECOND FLOOR PLAN

SCALE 1" = 10'-0"

2AI102

Schematic Design



6B PROPOSED THIRD FLOOR
1" = 10'-0"

7'-6" 2'-6"
10'-0" 5'-0" 0 10'-0" 20'-0" 40'-0"

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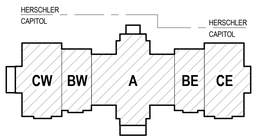
CONSTRUCTION NOTES

GRAPHIC LEGEND

KEY PLAN



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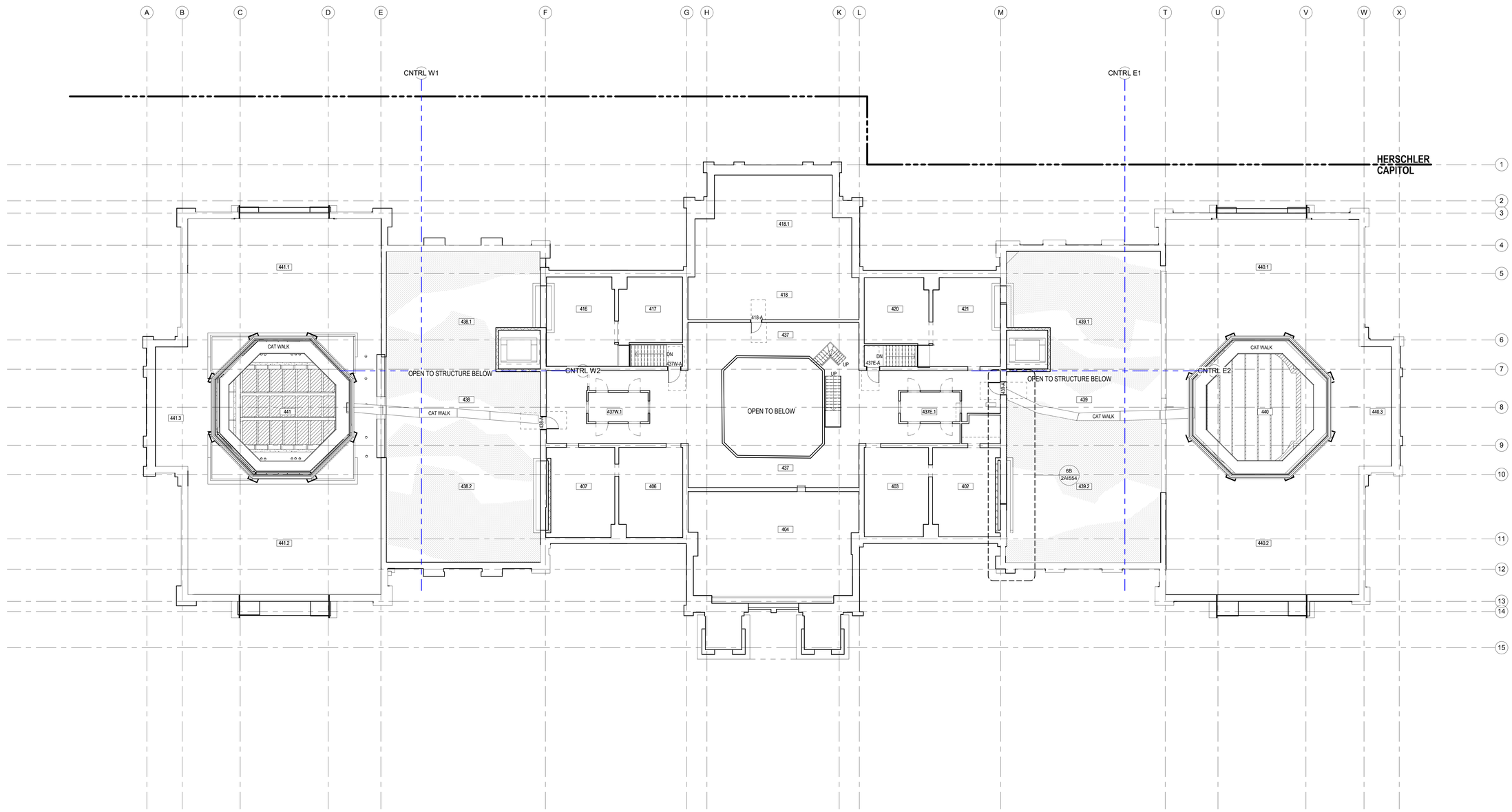
PROPOSED THIRD FLOOR PLAN

SCALE 1" = 10'-0"

2AI103

Schematic Design



6B PROPOSED ATTIC 1 PLAN

1" = 10'-0"

7'-5" 2'-6"

10'-0" 5'-0" 0 10'-0" 20'-0" 40'-0"

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CONSTRUCTION NOTES

GRAPHIC LEGEND

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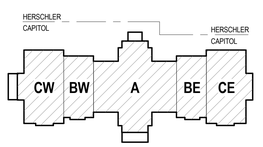

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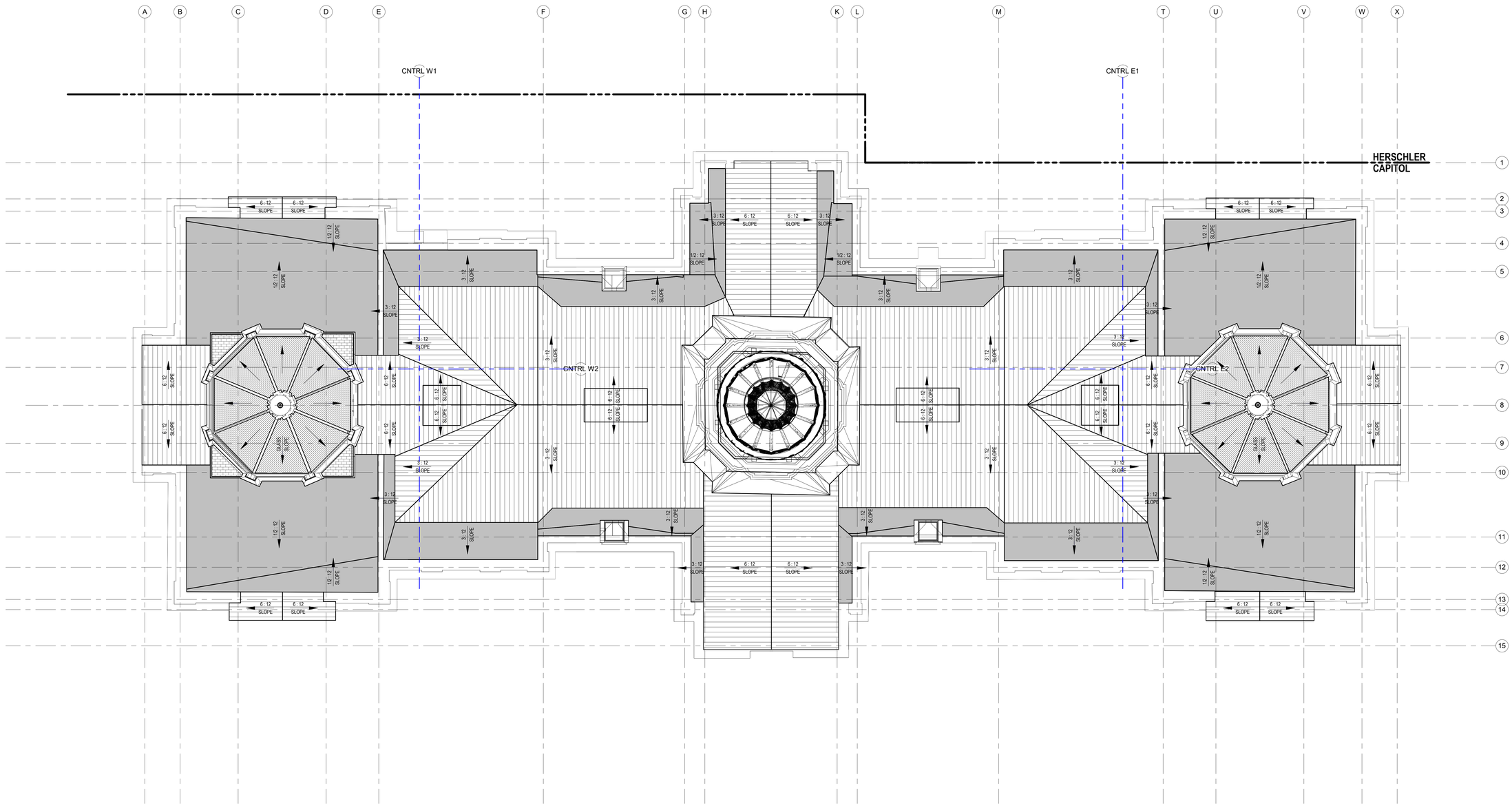
PROPOSED ATTIC 1 PLAN

SCALE 1" = 10'-0"

2AI104

Schematic Design



6B PROPOSED ROOF PLAN
1" = 10'-0"

7'-6" 2'-6"
10'-0" 5'-0" 0 10'-0" 20'-0" 40'-0"

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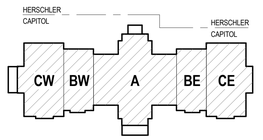
CONSTRUCTION NOTES

GRAPHIC LEGEND

PROPSED ROOF LEGEND

- NEW SLOPED ROOFING MATERIAL (TBD) - NORTH/SOUTH ORIENTATION
- NEW SLOPED ROOFING MATERIAL (TBD) - WEST/EAST ORIENTATION
- NEW LOW-SLOPE ROOFING MATERIAL (TBD)
- NEW SENATE CUPOLA LOW-SLOPE ROOFING MATERIAL (TBD)
- NEW SKYLIGHT (CONFIGURATION TBD)
- NEW SMOKE EVACUATION DOORS FINISH TO MATCH ADJACENT ROOFING MATERIAL (TBD)

KEY PLAN



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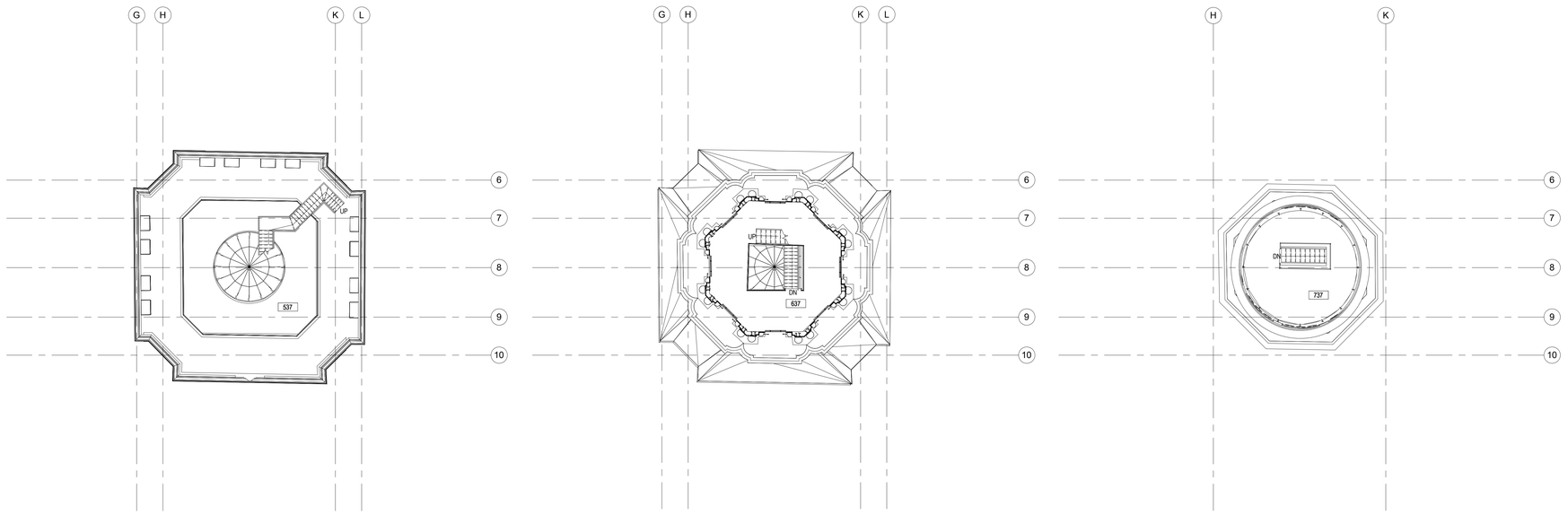
PROPOSED ROOF PLAN

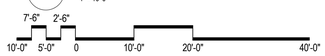
SCALE 1" = 10'-0"

2AI105

Schematic Design



6B PROPOSED ATTIC 2 PLAN
1" = 10'-0"



5B PROPOSED DOME 1 PLAN
1" = 10'-0"

3B PROPOSED DOME 2 PLAN
1" = 10'-0"

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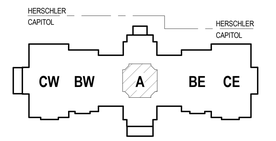
7. REFER TO EQUIPMENT DRAWINGS FOR ADDITIONAL EQUIPMENT SPECIFIC INFORMATION.
8. REFER TO INTERIOR FINISH DRAWINGS FOR ADDITIONAL INTERIOR FINISH SPECIFIC INFORMATION.
9. REFER TO STRUCTURAL DRAWINGS FOR ADDITIONAL STRUCTURAL SPECIFIC INFORMATION.
10. REFER TO MEP DRAWINGS FOR ADDITIONAL MEP SPECIFIC INFORMATION.
11. ALL NON-LOAD BEARING INTERIOR WALLS ARE TYPE "A" UNLESS NOTED OTHERWISE.
12. HIGHER RATED FIRE WALLS TAKE PRECEDENCE OVER LOWER RATED WALLS & ARE TO CONTINUE THROUGH ALL SUCH INTERSECTIONS.
13. ALL SMOKE BARRIER WALLS ARE TO EXTENDED FROM BACK SIDE OF EXTERIOR WALL SHEATHING TO BACK SIDE OF EXTERIOR WALL SHEATHING OR ANOTHER SMOKE BARRIER WALL.

CONSTRUCTION NOTES

GRAPHIC LEGEND

KEY PLAN



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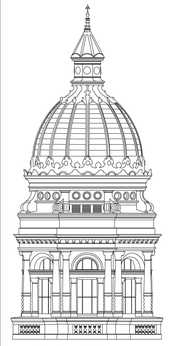
Construction Management



Capitol Square
Rehabilitation and Restoration

HDR PDP RNL

PRELIMINARY
NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION
1	2014/12/19	SD OWNER REVIEW

PROJECT NUMBER	203619
ORIGINAL ISSUE	- -
PKG. IDENTIFIER	2

PROPOSED ATTIC 2, DOME 1 AND 2 PLAN

SCALE 1" = 10'-0"

2AI106

Schematic Design

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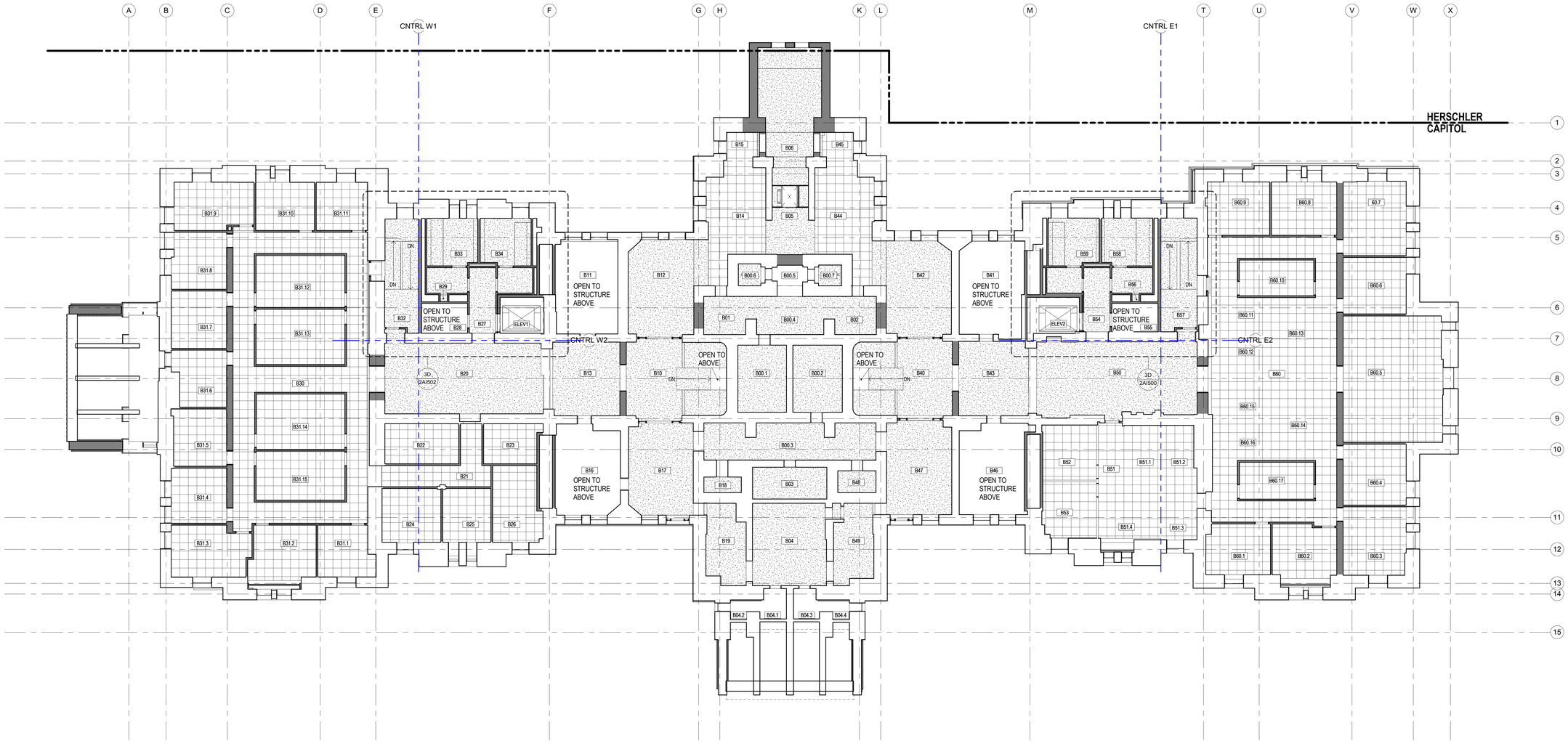

6B PROPOSED GARDEN LEVEL RCP

1" = 10'-0"

7'-6" 2'-6"

10'-0" 5'-0" 0 10'-0" 20'-0" 40'-0"

GENERAL NOTES

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3. ALL DIMENSIONS ARE TO COLUMN CENTERLINES, CENTER OF SUSPENDED CEILING GRIDS OR FACE OF FINISHED WALLS/SOFFITS UNLESS NOTED OTHERWISE.
4. ALL GWB SOFFITS AND BULKHEADS ARE TO BE 2 INCHES BELOW ADJACENT SUSPENDED CEILING SYSTEMS, UNLESS NOTED OTHERWISE.
5. FINISHED CEILING HEIGHT IS 9'-0" UNLESS NOTED OTHERWISE.
6. SUSPENDED CEILING TILES IN EACH ROOM ARE TO BE CONFIGURED SUCH THAT NO LESS THAN ONE-HALF A BORDER TILE EXISTS ADJACENT TO ANY ROOM WALL, UNLESS NOTED OTHERWISE.
7. CEILINGS IN ELECTRICAL ROOMS, TELEPHONE ROOMS, MECHANICAL ROOMS & OTHER SIMILAR SPACES ARE EXPOSED TO STRUCTURE ABOVE UNLESS NOTED OR SCHEDULED OTHERWISE.
8. REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL LIGHT FIXTURE SPECIFIC INFORMATION.
9. REFER TO MECHANICAL DRAWINGS FOR ADDITIONAL DIFFUSER SPECIFIC INFORMATION.
10. SUSPENDED CEILING GRIDS ARE LAID OUT WITH EITHER A TILE OR A GRID AT THE CENTER OF THE ROOM IN EACH DIRECTION UNLESS NOTED OR DIMENSIONED OTHERWISE.

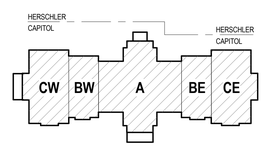
CONSTRUCTION NOTES

GRAPHIC LEGEND

REFLECTED CEILING PLAN PROPOSED LEGEND:

GWB CEILING	X'-XX" AFF CEILING HEIGHT TAG	FIRE ALARM SPEAKER / STROBE
PLASTER CEILING	EXIT LIGHTING	SECURITY CAMERA
2' x 4' ACT CEILING	RECESSED LIGHT FIXTURE	DIFFUSER
2' x 2' ACT CEILING	EMERGENCY LIGHT FIXTURE	RETURN AIR GRILLE
1' x 1' PANEL ADHERED TO CEILING	SUSPENDED LIGHT FIXTURE	
WOOD PANEL	HISTORIC PENDENT LIGHT	
SKYLIGHT	NEW PENDENT LIGHT	
PLASTER OR GWB SOFFIT TO MATCH ADJ SURFACE	DOWN LIGHT	
CEILING ACCESS PANEL	FIRE ALARM SPEAKERS	
OCCUPANCY SENSOR	STROBE LIGHT	

KEY PLAN



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Capitol Square
Rehabilitation and Restoration

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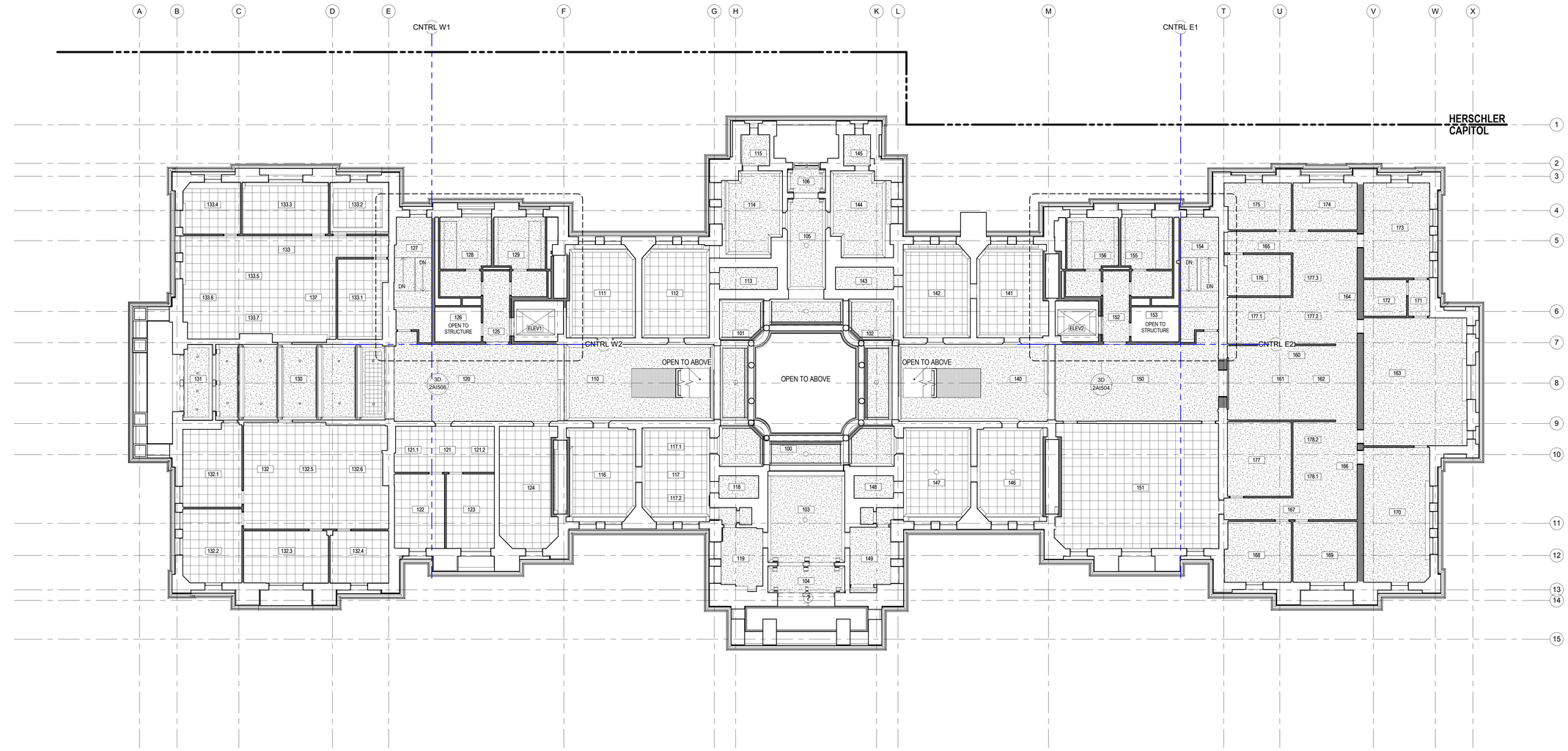
ORIGINAL ISSUE - - -
PKG. IDENTIFIER 2

PROPOSED RCP - GARDEN LEVEL

SCALE 1" = 1'0"

2AC150

Schematic Design



6B PROPOSED FIRST FLOOR RCP

1" = 10'-0"

7'-6" 2'-6"

10'-0" 5'-0" 0 10'-0" 20'-0" 40'-0"

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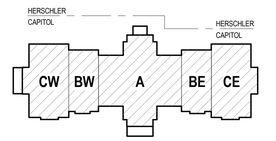
CONSTRUCTION NOTES

GRAPHIC LEGEND

REFLECTED CEILING PLAN PROPOSED LEGEND:

- GWB CEILING
- PLASTER CEILING
- 2' x 4' ACT CEILING
- 2' x 2' ACT CEILING
- 1' x 1' PANEL ADHERED TO CEILING
- WOOD PANEL
- SKYLIGHT
- PLASTER OR GWB SOFFIT TO MATCH ADJ SURFACE
- CEILING ACCESS PANEL
- OCCUPANCY SENSOR
- X'-XX" AFF — CEILING HEIGHT TAG
- EXIT LIGHTING
- RECESSED LIGHT FIXTURE
- EMERGENCY LIGHT FIXTURE
- SUSPENDED LIGHT FIXTURE
- HISTORIC PENDENT LIGHT
- NEW PENDENT LIGHT
- DOWN LIGHT
- FIRE ALARM SPEAKERS
- STROBE LIGHT
- FIRE ALARM SPEAKER / STROBE
- SECURITY CAMERA
- DIFFUSER
- RETURN AIR GRILLE

KEY PLAN



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PROPOSED RCP - FIRST FLOOR

SCALE 1" = 1'0"

2AC151

Schematic Design

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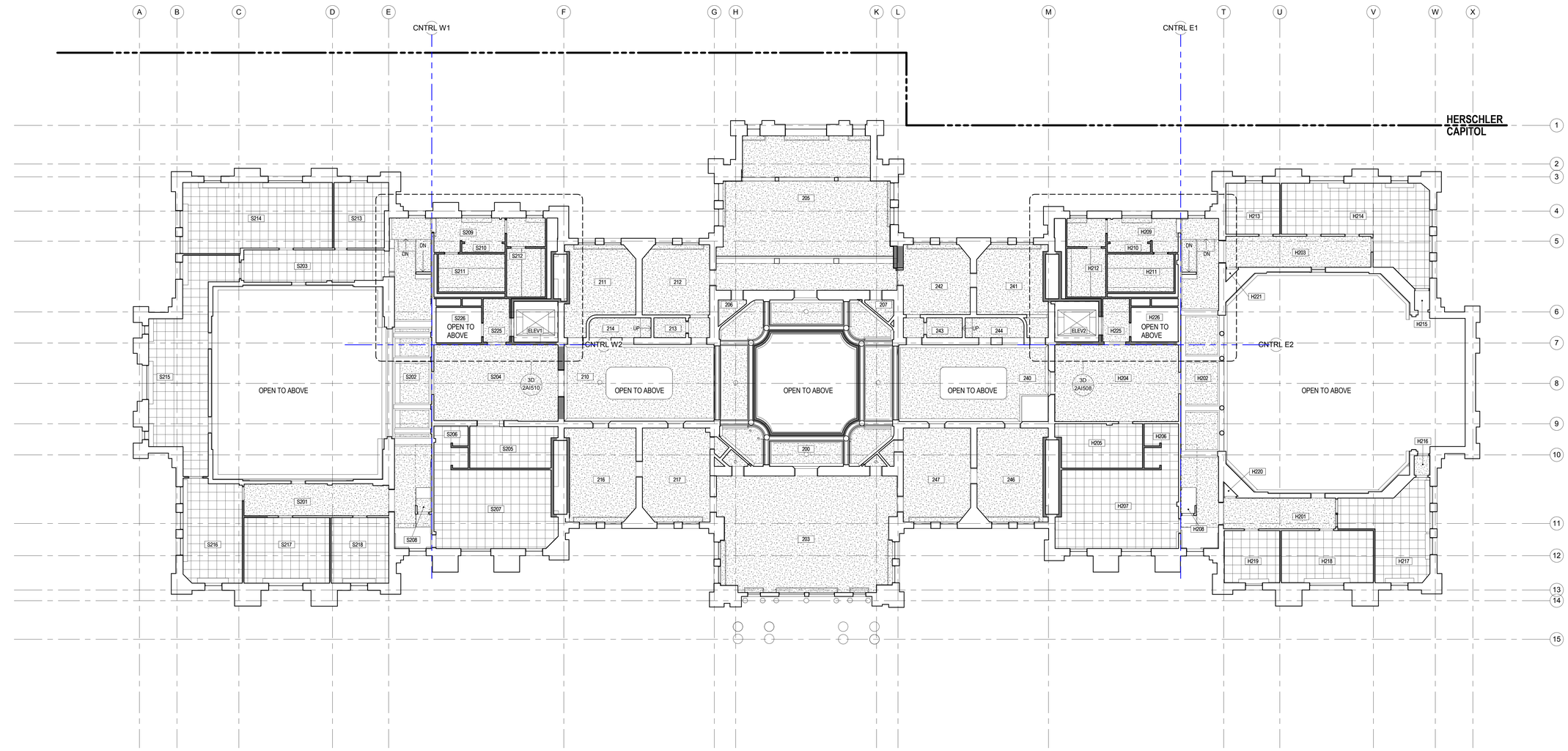

6B PROPOSED SECOND FLOOR RCP
1" = 10'-0"

7'-6" 2'-6"
10'-0" 5'-0" 0 10'-0" 20'-0" 40'-0"

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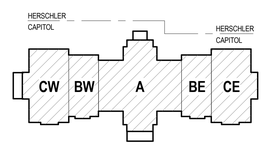
CONSTRUCTION NOTES

GRAPHIC LEGEND

REFLECTED CEILING PLAN PROPOSED LEGEND:

GWB CEILING	X'-XX" AFF CEILING HEIGHT TAG	FIRE ALARM SPEAKER / STROBE
PLASTER CEILING	EXIT LIGHTING	SECURITY CAMERA
2' x 4' ACT CEILING	RECESSED LIGHT FIXTURE	DIFFUSER
2' x 2' ACT CEILING	EMERGENCY LIGHT FIXTURE	RETURN AIR GRILLE
1' x 1' PANEL ADHERED TO CEILING	SUSPENDED LIGHT FIXTURE	
WOOD PANEL	HISTORIC PENDENT LIGHT	
SKYLIGHT	NEW PENDENT LIGHT	
PLASTER OR GWB SOFFIT TO MATCH ADJ SURFACE	DOWN LIGHT	
CEILING ACCESS PANEL	FIRE ALARM SPEAKERS	
OS OCCUPANCY SENSOR	STROBE LIGHT	

KEY PLAN



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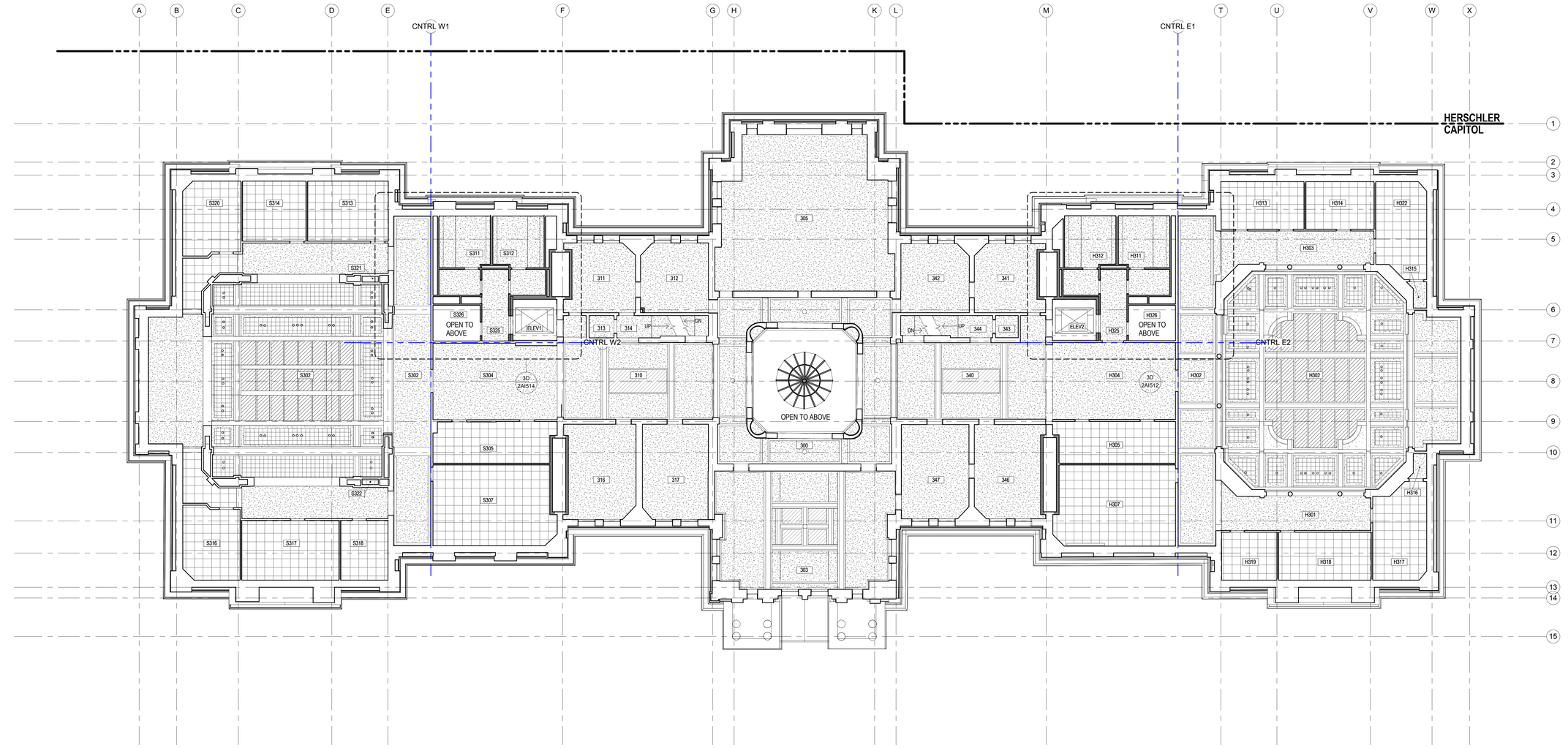
PKG. IDENTIFIER	2

PROPOSED RCP - SECOND FLOOR

SCALE 1" = 10'-0"

2AC152

Schematic Design



6B PROPOSED THIRD FLOOR RCP

1" = 10'-0"

7'-6" 2'-6"

10'-0" 5'-0" 0 10'-0" 20'-0" 40'-0"

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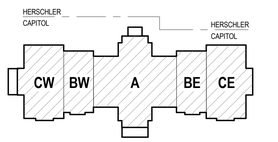
CONSTRUCTION NOTES

GRAPHIC LEGEND

REFLECTED CEILING PLAN PROPOSED LEGEND:

GWB CEILING	X'-XX" AFF CEILING HEIGHT TAG	FIRE ALARM SPEAKER / STROBE
PLASTER CEILING	EXIT LIGHTING	SECURITY CAMERA
2' x 4' ACT CEILING	RECESSED LIGHT FIXTURE	DIFFUSER
2' x 2' ACT CEILING	EMERGENCY LIGHT FIXTURE	RETURN AIR GRILLE
1' x 1' PANEL ADHERED TO CEILING	SUSPENDED LIGHT FIXTURE	
WOOD PANEL	HISTORIC PENDENT LIGHT	
SKYLIGHT	NEW PENDENT LIGHT	
PLASTER OR GWB SOFFIT TO MATCH ADJ SURFACE	DOWN LIGHT	
CEILING ACCESS PANEL	FIRE ALARM SPEAKERS	
OS OCCUPANCY SENSOR	STROBE LIGHT	

KEY PLAN



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MARK	DATE	DESCRIPTION
1	2014/12/19	SD OWNER REVIEW

PROJECT NUMBER 203619
ORIGINAL ISSUE --
PKG. IDENTIFIER 2

PROPOSED RCP - THIRD FLOOR

SCALE 1" = 1'0"

2AC153

Schematic Design

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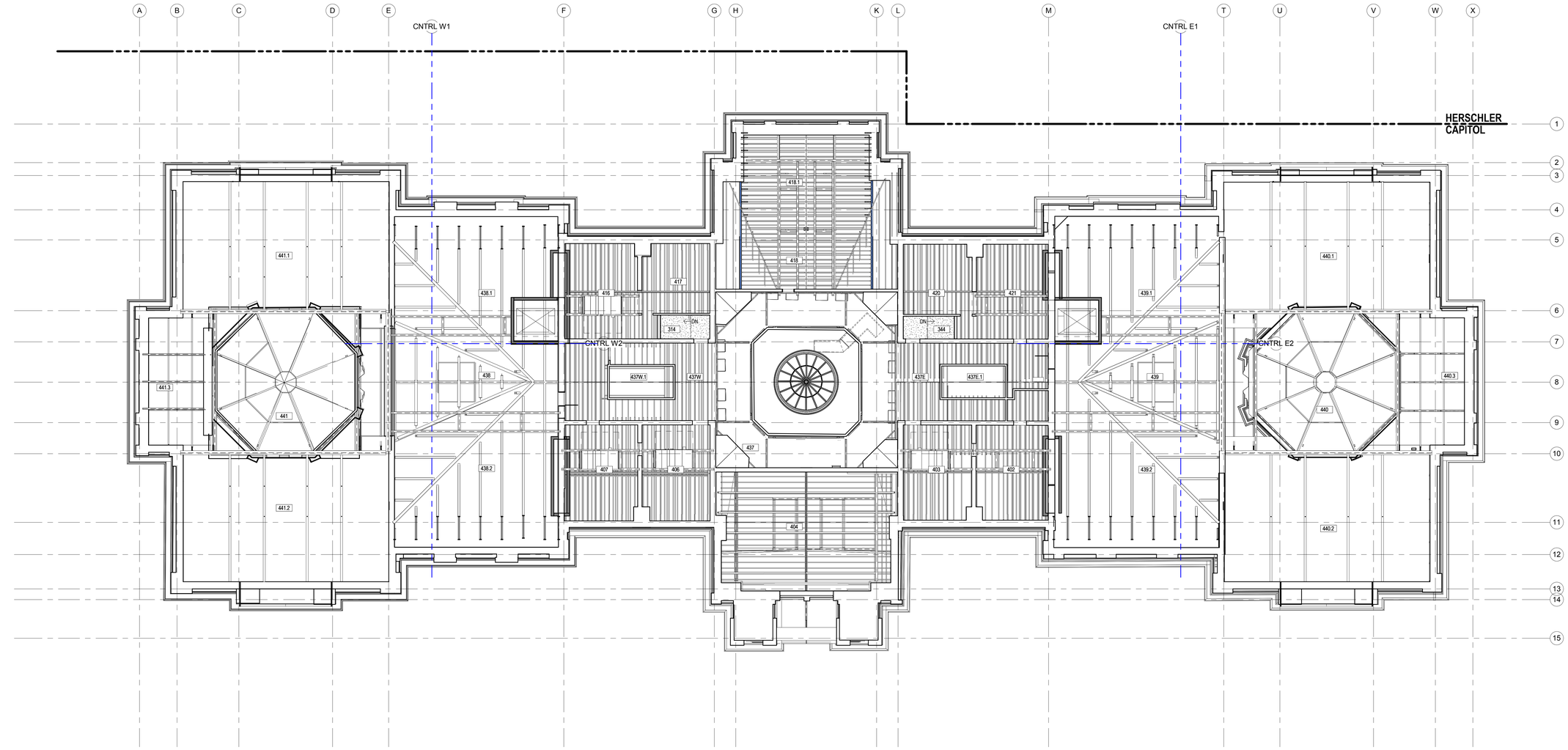

6B PROPOSED ATTIC 1 RCP

1" = 10'-0"

7'-6" 2'-6"

10'-0" 5'-0" 0 10'-0" 20'-0" 40'-0"

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CONSTRUCTION NOTES

GRAPHIC LEGEND

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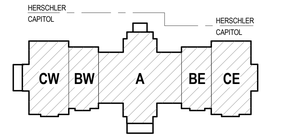
GWB CEILING	X'-XX" AFF	CEILING HEIGHT TAG	FIRE ALARM SPEAKER / STROBE
PLASTER CEILING		EXIT LIGHTING	SECURITY CAMERA
2' x 4' ACT CEILING		RECESSED LIGHT FIXTURE	DIFFUSER
2' x 2' ACT CEILING		EMERGENCY LIGHT FIXTURE	RETURN AIR GRILLE
1' x 1' PANEL ADHERED TO CEILING		SUSPENDED LIGHT FIXTURE	
WOOD PANEL		HISTORIC PENDENT LIGHT	
SKYLIGHT		NEW PENDENT LIGHT	
PLASTER OR GWB SOFFIT TO MATCH ADJ SURFACE		DOWN LIGHT	
CEILING ACCESS PANEL		FIRE ALARM SPEAKERS	
OCCUPANCY SENSOR		STROBE LIGHT	

KEY PLAN



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Administration & Information
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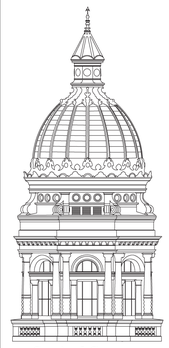

Capitol Square
Rehabilitation and Restoration

HDR PDP RNL

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1	2014/12/19	SD OWNER REVIEW

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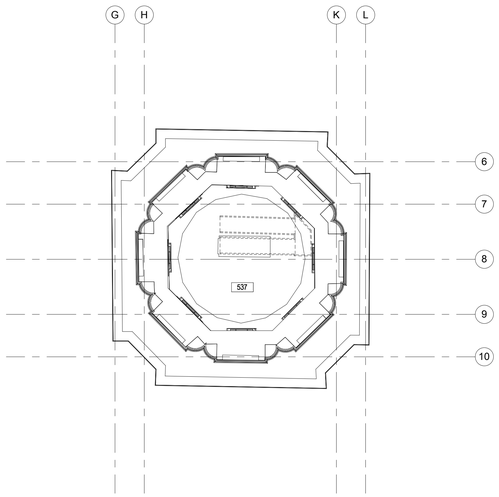
PKG. IDENTIFIER	2

PROPOSED RCP - ATTIC 1

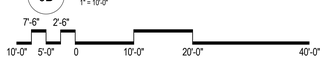
SCALE 1" = 10'-0"

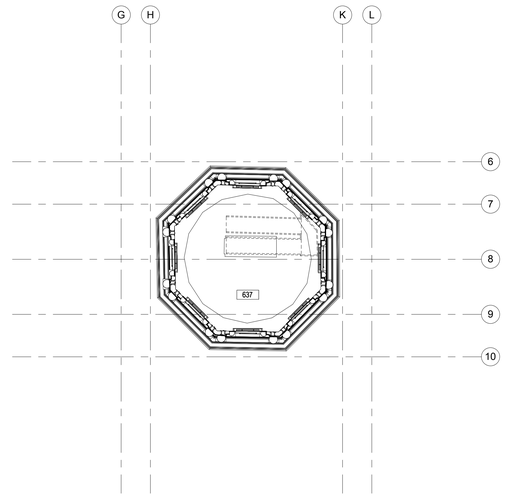
2AC154

Schematic Design

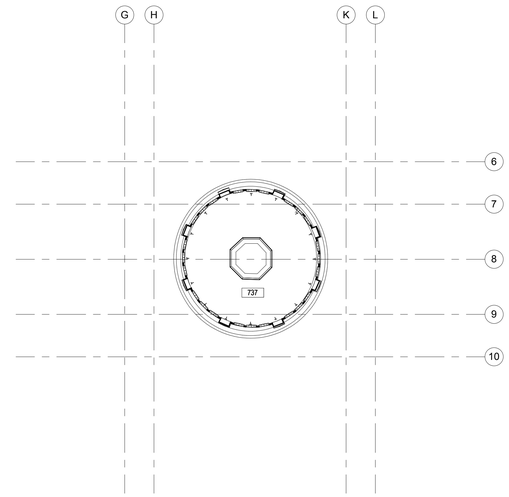


6B PROPOSED ATTIC 2 RCP
1" = 10'-0"





5B PROPOSED DOME 1 RCP
1" = 10'-0"



3B PROPOSED DOME 2 RCP
1" = 10'-0"

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5. FINISHED CEILING HEIGHT IS 9'-0" UNLESS NOTED OTHERWISE.
6. SUSPENDED CEILING TILES IN EACH ROOM ARE TO BE CONFIGURED SUCH THAT NO LESS THAN ONE-HALF A BORDER TILE EXISTS ADJACENT TO ANY ROOM WALL, UNLESS NOTED OTHERWISE.
7. CEILINGS IN ELECTRICAL ROOMS, TELEPHONE ROOMS, MECHANICAL ROOMS & OTHER SIMILAR SPACES ARE EXPOSED TO STRUCTURE ABOVE UNLESS NOTED OR SCHEDULED OTHERWISE.
8. REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL LIGHT FIXTURE SPECIFIC INFORMATION.
9. REFER TO MECHANICAL DRAWINGS FOR ADDITIONAL DIFFUSER SPECIFIC INFORMATION.
10. SUSPENDED CEILING GRIDS ARE LAID OUT WITH EITHER A TILE OR A GRID AT THE CENTER OF THE ROOM IN EACH DIRECTION UNLESS NOTED OR DIMENSIONED OTHERWISE.

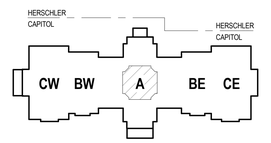
CONSTRUCTION NOTES

GRAPHIC LEGEND

REFLECTED CEILING PLAN PROPOSED LEGEND:

GWB CEILING	X'-XX" AFF	CEILING HEIGHT TAG	FIRE ALARM SPEAKER / STROBE
PLASTER CEILING		EXIT LIGHTING	SECURITY CAMERA
2' x 4' ACT CEILING		RECESSED LIGHT FIXTURE	DIFFUSER
2' x 2' ACT CEILING		EMERGENCY LIGHT FIXTURE	RETURN AIR GRILLE
1' x 1' PANEL ADHERED TO CEILING		SUSPENDED LIGHT FIXTURE	
WOOD PANEL		HISTORIC PENDENT LIGHT	
SKYLIGHT		NEW PENDENT LIGHT	
PLASTER OR GWB SOFFIT TO MATCH ADJ SURFACE		DOWN LIGHT	
CEILING ACCESS PANEL		FIRE ALARM SPEAKERS	
OCCUPANCY SENSOR		STROBE LIGHT	

KEY PLAN



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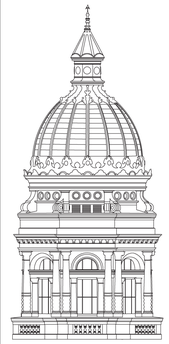
State of Wyoming

Administration & Information
Construction Management



Capitol Square
Rehabilitation and Restoration

HDR PDP PAU ARCHITECTS

PRELIMINARY
NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION
1	2014/12/19	SD OWNER REVIEW

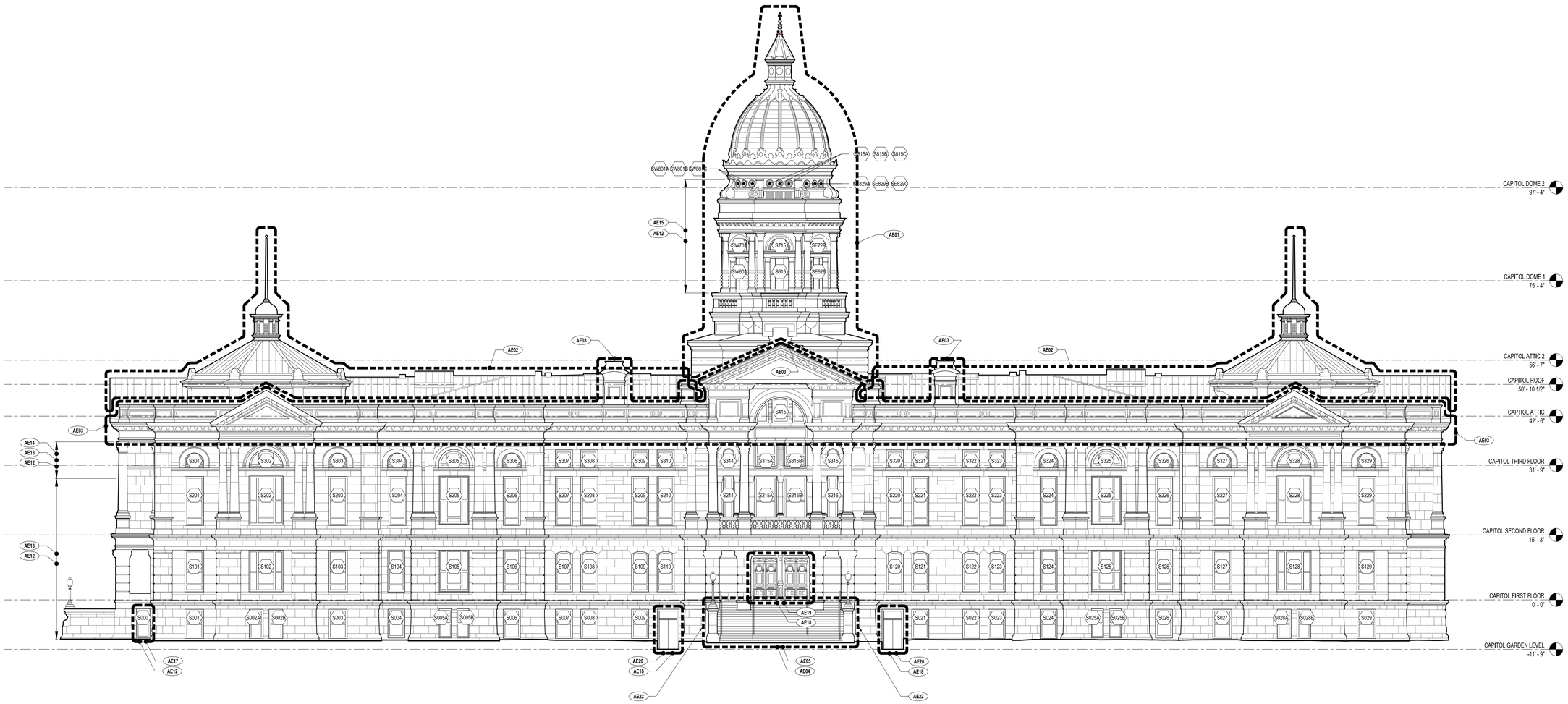
PROJECT NUMBER	203619
ORIGINAL ISSUE	- -
PKG. IDENTIFIER	2

PROPOSED RCP - ATTIC 2, DOME 1 AND 2

SCALE 1" = 10'-0"

2AC155

Schematic Design



6B PROPOSED SOUTH ELEVATION

1" = 10'-0"

7'-6" 2'-6"

10'-0" 5'-0" 0 10'-0" 20'-0" 40'-0"

GENERAL NOTES

KEY NOTES: REPAIR / RESTORATION

AE01 **DOME:** SEE SCHEMATIC DESIGN REPORT, DOME SECTION 6.3 FOR THE EXTENT OF REPAIR / RESTORATION AND REASSEMBLY AT THE DOME. SEE AS-FOUND DRAWINGS FOR QUANTITIES OF EXISTING CONDITIONS TO BE REPAIRED AS OUTLINED IN THE SCHEMATIC DESIGN REPORT. PROVIDE NEW LIGHTNING PROTECTION SYSTEM; COORDINATE WITH ELECTRICAL ENGINEER. PROVIDE NEW WOOD SHEATHING, OUTRIGGERS AND BLOCKING AT LOCATIONS WHERE EXISTING WAS REMOVED. COORDINATE WORK WITH STRUCTURAL ENGINEER.

AE02 **ROOF AND SKYLIGHTS**: SEE DRAWINGS AND SCHEMATIC DESIGN REPORT, ROOF SECTION 6.4.1, FOR THE SCOPE OF WORK AT THE ROOF, SKYLIGHTS AND RAINWATER CONDUCTOR SYSTEM. 100% REPLACEMENT OF ROOFING SYSTEM. PROVIDE NEW ACCESS WALKWAYS AND FALL PROTECTION. PROVIDE SNOWGUARDS AT PEDIMENTS. PROVIDE NEW STRUCTURAL FRAMING SYSTEM IN 1890 SECTION OF THE BUILDING; SEE STRUCTURAL DRAWINGS. PROVIDE TWO [2] NEW SKYLIGHT ASSEMBLIES ABOVE THE CHAMBERS TO REPLICATE HISTORIC SKYLIGHTS. PROVIDE FOUR [4] NEW BILCO-TYPE MONITORS FOR SMOKE EVACUATION IN 1890 SECTION. PROVIDE FOUR [4] NEW BILCO-TYPE MONITORS AT BASE OF DOME AT LOCATION OF HISTORIC SKYLIGHTS. RESTORE AND RECONSTRUCT TWO [2] SKYLIGHTS IN 1888 SECTION OF BUILDING TO REPLICATE HISTORIC SKYLIGHTS.

CONSTRUCTION KEYNOTES

AE03 **GALVANIZED METAL ASSEMBLY**: SEE SCHEMATIC DESIGN REPORT, GALVANIZED METAL ASSEMBLY SECTION 6.4.2 FOR THE SCOPE OF WORK AT THE GALVANIZED METAL ASSEMBLIES. SEE AS-FOUND DRAWINGS FOR QUANTITIES OF EXISTING CONDITIONS TO BE REPAIRED AS OUTLINED IN THE SCHEMATIC DESIGN REPORT.

AE04 **MASONRY, MONUMENTAL STAIRS - GENERAL**: SEE MASONRY REPAIR DRAWINGS AND SCHEMATIC DESIGN REPORT, MASONRY SECTION 6.4.3 FOR THE SCOPE OF WORK AT THE MASONRY STAIRS. PROVIDE NEW METAL RAILINGS ON ALL THREE ENTRANCES [SOUTH, NORTH AND WEST] WITH BUILT-IN LIGHTING. COORDINATE WITH ELECTRICAL ENGINEER.

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AE06 **MASONRY, NORTH MONUMENTAL STAIRS**: RECONSTRUCT CHEEK WALLS AND RECONSTRUCT / REASSEMBLE STAIRS TO MATCH MATERIALS, CONFIGURATION AND DESIGN OF HISTORIC NORTH STAIRS, ACCOMMODATING PROPOSED CONNECTION TO THE CONNECTOR BELOW WITH A REDUCED NUMBER OF TREADS AND RISERS. COORDINATE WITH STRUCTURAL ENGINEER.

AE07 **MASONRY, WEST MONUMENTAL STAIRS**: RECONSTRUCT AND REASSEMBLE WEST STAIRS AND CHEEK WALLS. ASSUME REPLACEMENT OF 100% OF THE STONE TREADS. ASSUME 30% REPLACEMENT OF CHEEK WALLS. REBUILD BRICK SUPPORT STRUCTURE AS DIRECTED BY STRUCTURAL ENGINEER. COORDINATE WITH STRUCTURAL ENGINEER.

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AE15 **WINDOWS AT DOME**: RESTORE WOOD FRAMES OR FRAMES WRAPPED IN GALVANIZED METAL IN-PLACE. PROVIDE NEW WOOD BLOCKING, WHERE NECESSARY. PROVIDE NEW SINGLE-GLAZED WOOD REPLACEMENT SASH TO MATCH DIMENSIONS, DETAILS AND PROFILES OF HISTORIC SASH.

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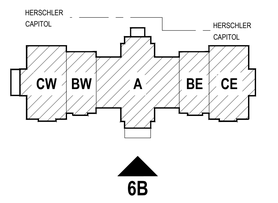
GRAPHIC LEGEND

KEY PLAN



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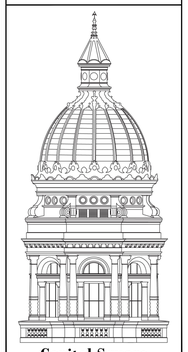
State of Wyoming

Administration & Information
Construction Management



Capitol Square
Rehabilitation and Restoration
State of Wyoming A&I Construction Management

HDR PDP PLAN NETWORK

PRELIMINARY
NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION
1	2014/12/19	SD OWNER REVIEW

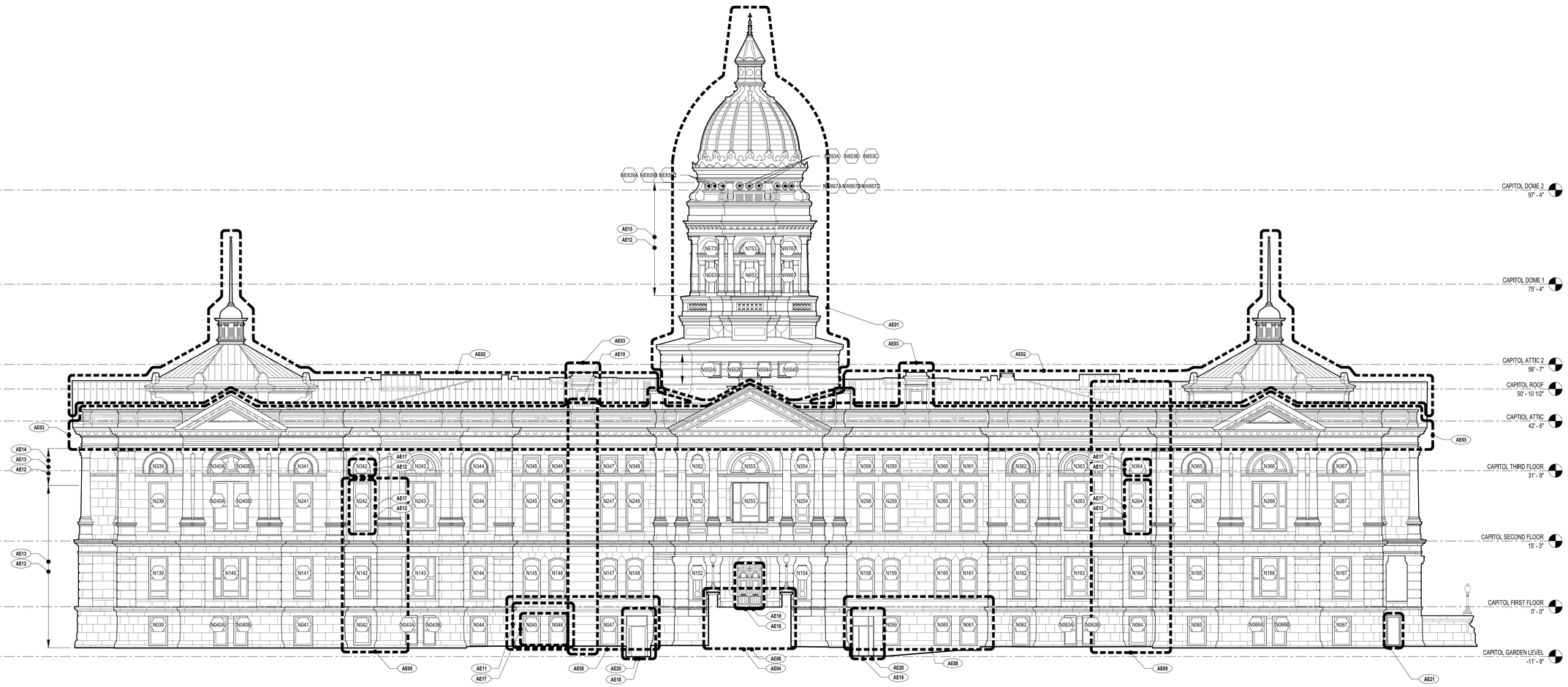
PROJECT NUMBER 203619
ORIGINAL ISSUE - -
PKG. IDENTIFIER 2

PROPOSED SOUTH ELEVATION

SCALE AS NOTED

2AE201

Schematic Design



6B PROPOSED NORTH ELEVATION
1" = 10'

7'-6" 2'-6"
10'-0" 5'-0" 0 10'-0" 20'-0" 40'-0"

GENERAL NOTES

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CONSTRUCTION KEYNOTES

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GRAPHIC LEGEND

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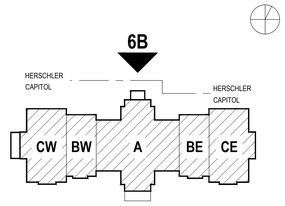
KEY PLAN



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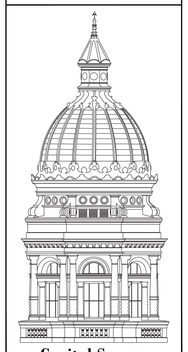
State of Wyoming

Administration & Information
Construction Management



Capitol Square
Rehabilitation and Restoration
State of Wyoming A&I Construction Management

HDR PDP PLAN ARCHITECT

PRELIMINARY
NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION
1	2014/12/19	SD OWNER REVIEW

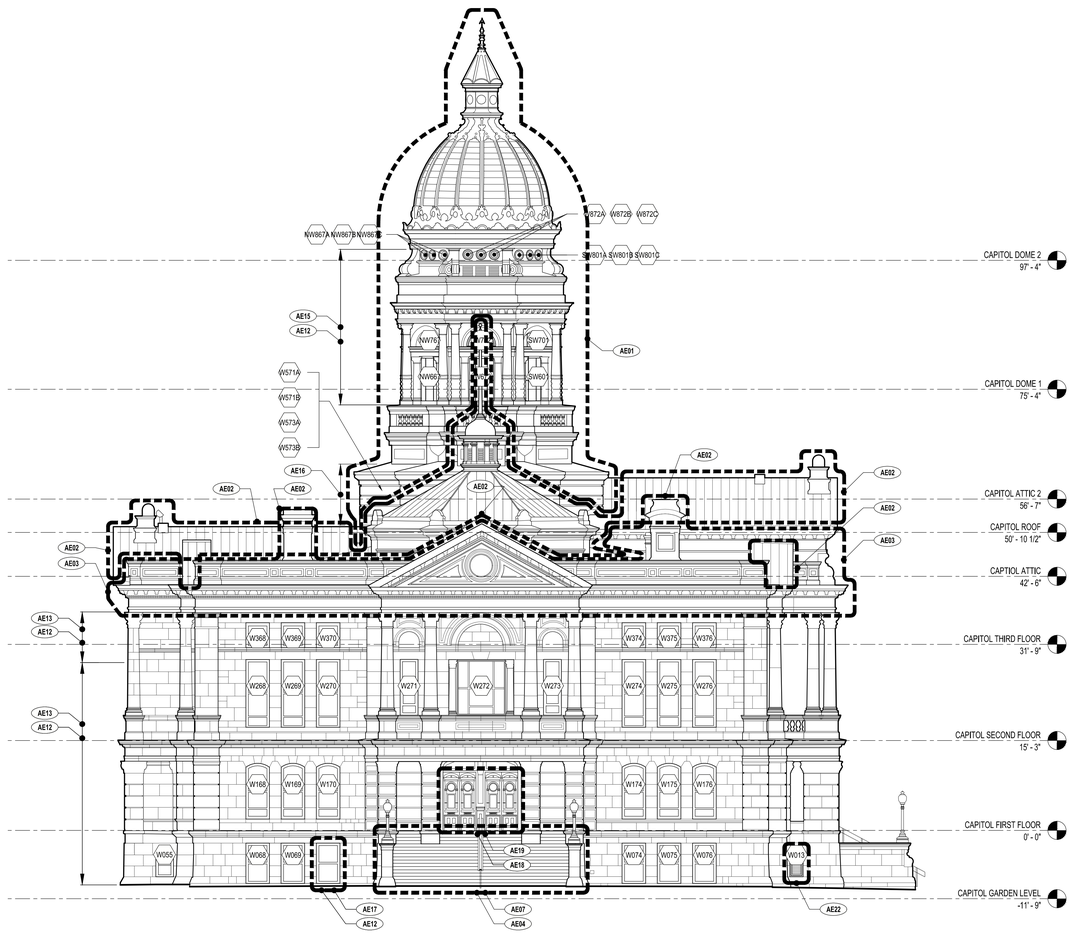
PROJECT NUMBER 203619
ORIGINAL ISSUE - -
PKG. IDENTIFIER 2

PROPOSED NORTH ELEVATION

SCALE AS NOTED

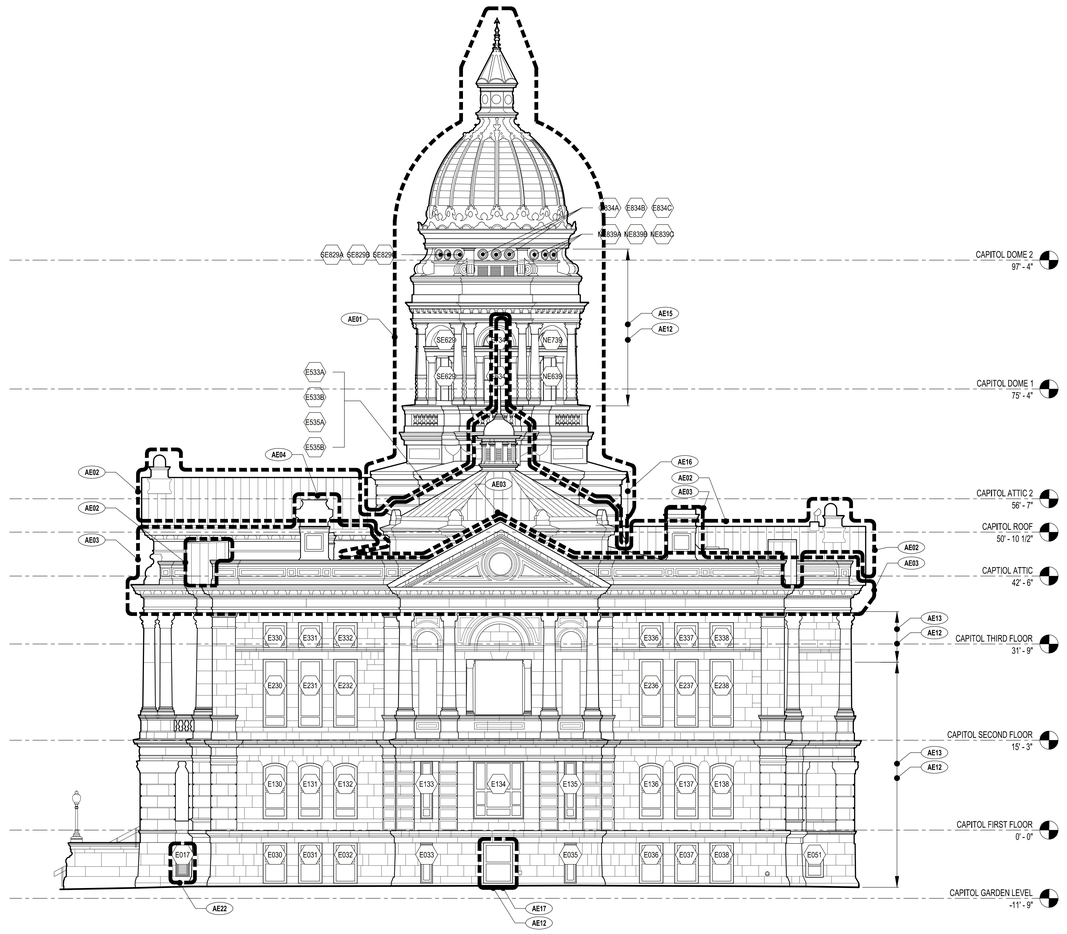
2AE202

Schematic Design



7B PROPOSED WEST ELEVATION
1" = 10'-0"

7'-6" 2'-6"
10'-0" 5'-0" 0 10'-0" 20'-0" 40'-0"



3B PROPOSED EAST ELEVATION
1" = 10'-0"

7'-6" 2'-6"
10'-0" 5'-0" 0 10'-0" 20'-0" 40'-0"

GENERAL NOTES

KEY NOTES: REPAIR / RESTORATION

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AE06 **MASONRY, NORTH MONUMENTAL STAIRS**: RECONSTRUCT CHEEK WALLS AND RECONSTRUCT / REASSEMBLE STAIRS TO MATCH MATERIALS, CONFIGURATION AND DESIGN OF HISTORIC NORTH STAIRS, ACCOMMODATING PROPOSED CONNECTION TO THE CONNECTOR BELOW WITH A REDUCED NUMBER OF TREADS AND RISERS. COORDINATE WITH STRUCTURAL ENGINEER.

CONSTRUCTION KEYNOTES

AE07 **MASONRY, WEST MONUMENTAL STAIRS**: RECONSTRUCT AND REASSEMBLE WEST STAIRS AND CHEEK WALLS. ASSUME REPLACEMENT OF 100% OF THE STONE TREADS. ASSUME 30% REPLACEMENT OF CHEEK WALLS. REBUILD BRICK SUPPORT STRUCTURE AS DIRECTED BY STRUCTURAL ENGINEER. COORDINATE WITH STRUCTURAL ENGINEER.

AE08 **MASONRY, GLASS VESTIBULES**: REPAIR/REPLACE DAMAGED AND MISSING MASONRY. SEE MASONRY REPAIR DRAWINGS FOR SCOPE OF WORK.

AE09 **MASONRY, METAL EGRESS STAIRS**: REPAIR /REPLACE DAMAGED AND MISSING MASONRY. SEE MASONRY REPAIR DRAWINGS FOR SCOPE OF WORK.

AE10 **MASONRY CHIMNEY**: REPAIR MASONRY WALL AT LOCATION OF CHIMNEY. ASSUME 100% STONE UNIT REPLACEMENT WHERE CHIMNEY WAS BONDED TO MASONRY WALL. COORDINATE WITH STRUCTURAL ENGINEER.

AE11 **MASONRY, NORTH ELEVATION:** AT AREAS WHERE SCORED CEMENTITIOUS MATERIAL WAS REMOVED, INSTALL NEW STONE UNITS BONDED TO THE BACK-UP WALL. ASSUME 50% OF THE BACK-UP WALL WILL BE RECONSTRUCTED. RECONSTRUCT / RESTORE TWO [2] HISTORIC WINDOW OPENINGS. COORDINATE WITH STRUCTURAL ENGINEER.

AE12 **WINDOWS - GENERAL**: SEE SCHEMATIC DESIGN REPORT, WINDOW SECTION 6.4.4 FOR THE SCOPE OF WORK AT THE WINDOWS. AT ALL WINDOWS PROVIDE HARDWARE TO MATCH HISTORIC HARDWARE. PAINT ALL WINDOWS TO MATCH HISTORIC COLOR SCHEME. FRAMES AND SASH ARE DIFFERENT COLORS.

AE13 **WINDOWS AT GARDEN LEVEL, FIRST AND SECOND FLOORS AND RECTANGULAR WINDOWS AT THIRD FLOOR**: RESTORE WOOD FRAMES IN-PLACE. ASSUME 20% REPLACEMENT OF FRAMES. PROVIDE NEW WOOD REPLACEMENT SASH TO MATCH DIMENSIONS, DETAILS AND PROFILES OF HISTORIC SASH. SEE SCHEMATIC DESIGN REPORT, WINDOW SECTION 6.4.4 FOR SCOPE OF WORK FOR TWO OPTIONS FOR SASH REPLACEMENT.

AE14 **ARCHED WINDOWS AT THIRD FLOOR**: RESTORE WOOD FRAMES IN-PLACE. ASSUME 20% REPLACEMENT OF FRAMES. RESTORE SASH TO MATCH DIMENSIONS. DETAILS AND PROFILES OF HISTORIC SASH. SEE SCHEMATIC DESIGN REPORT, WINDOW SECTION 6.4.4 FOR THE TWO OPTIONS AT THE THIRD FLOOR ARCHED WINDOWS.

AE15 **WINDOWS AT DOME**: RESTORE WOOD FRAMES OR FRAMES WRAPPED IN GALVANIZED METAL IN-PLACE. PROVIDE NEW WOOD BLOCKING, WHERE NECESSARY. PROVIDE NEW SINGLE-GLAZED WOOD REPLACEMENT SASH TO MATCH DIMENSIONS, DETAILS AND PROFILES OF HISTORIC SASH.

AE16 **WINDOWS AND OPENINGS AT DOME BASE**: PROVIDE GALVANIZED METAL LOUVERED AIR INTAKE AT PERIMETER HEAD AND JAMBS AT TWELVE (12) LOCATIONS. PROVIDE PAINTED PANELED METAL DOORS IN THREE (3) OPENINGS. PROVIDE NINE (9) SINGLE LIGHT WOOD SASH IN REMAINING OPENINGS TO MATCH DIMENSIONS, DETAILS AND PROFILES OF HISTORIC SASH. RESTORE WOOD FRAMES IN-PLACE.

AE17 **MISCELLANEOUS WINDOWS**: INSTALL WINDOWS AT FORMER DOOR OR WINDOW OPENINGS. PROVIDE NEW WOOD FRAMES TO MATCH THE DIMENSIONS AND PROFILES OF THE HISTORIC WINDOWS. PROVIDE NEW WOOD REPLACEMENT SASH TO MATCH DIMENSIONS, DETAILS AND PROFILES OF HISTORIC SASH. SEE SCHEMATIC DESIGN REPORT, WINDOW SECTION 6.4.4 FOR SCOPE OF WORK FOR TWO OPTIONS FOR SASH REPLACEMENT.

AE18 **EXTERIOR DOORS - GENERAL**: SEE SCHEMATIC DESIGN REPORT, EXTERIOR DOOR SECTION 6.4.5 FOR THE SCOPE OF WORK AT THE EXTERIOR DOORS.

AE19 **EXTERIOR DOORS - SOUTH, NORTH AND WEST ENTRANCE DOORS**: RESTORE AND REFINISH WOOD DOORS, TRANSOM WINDOWS AND FRAMES. REASSEMBLE AND REINSTALL WITH CONCEALED SECURITY SYSTEM AND ADA ASSIST POWER MECHANISM.

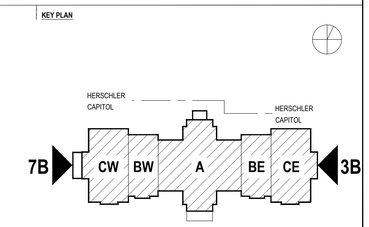
AE20 **EXTERIOR DOORS**: CUSTOM FABRICATE FOUR NEW WOOD DOORS TO MATCH HISTORIC DOORS. INSTALL DOORS WITH CONCEALED SECURITY FEATURES AND ADA POWER ASSIST MECHANISM.

GRAPHIC LEGEND

AE21 **EXTERIOR DOOR**: PROVIDE ONE NEW 2-1/4" WOOD PANELED SERVICE DOOR WITH SECURITY FEATURES.

AE22 **EXTERIOR LOUVERS AT GARDEN LEVEL**: RESTORE WOOD FRAMES IN-PLACE. PROVIDE NEW WOOD REPLACEMENT SASH TO MATCH DIMENSIONS, DETAILS AND PROFILES OF HISTORIC SASH. PROVIDE NEW BRONZE PERFORATED PANEL IN LIEU OF GLAZING WITH METAL LOUVRES BEHIND WITHIN NEW SASH. FOUR [4] LOCATIONS, [2 EACH AT EAST AND WEST ELEVATIONS OF SOUTH PORTICO].

KEY PLAN



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State of Wyoming

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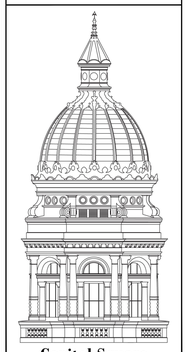
Construction Management



Capitol Square
Rehabilitation and Restoration
State of Wyoming A&I Construction Management

HDR PDP RLM DESIGN

PRELIMINARY
NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION
1	2014/12/19	SD OWNER REVIEW

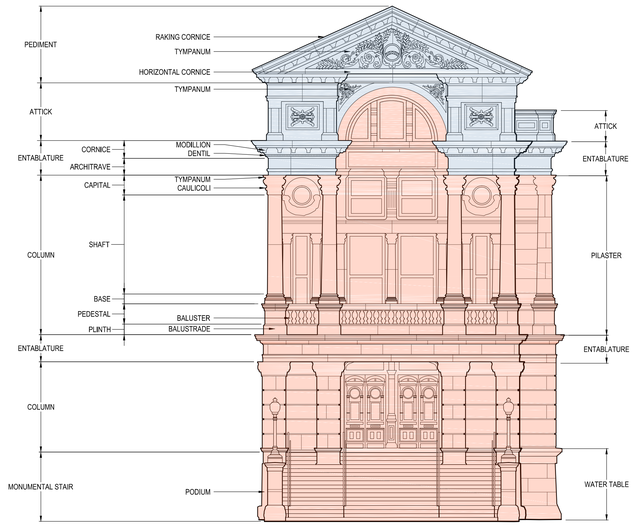
PROJECT NUMBER	203619
ORIGINAL ISSUE	- -
PKG. IDENTIFIER	2

PROPOSED EAST & WEST ELEVATIONS

SCALE	AS NOTED

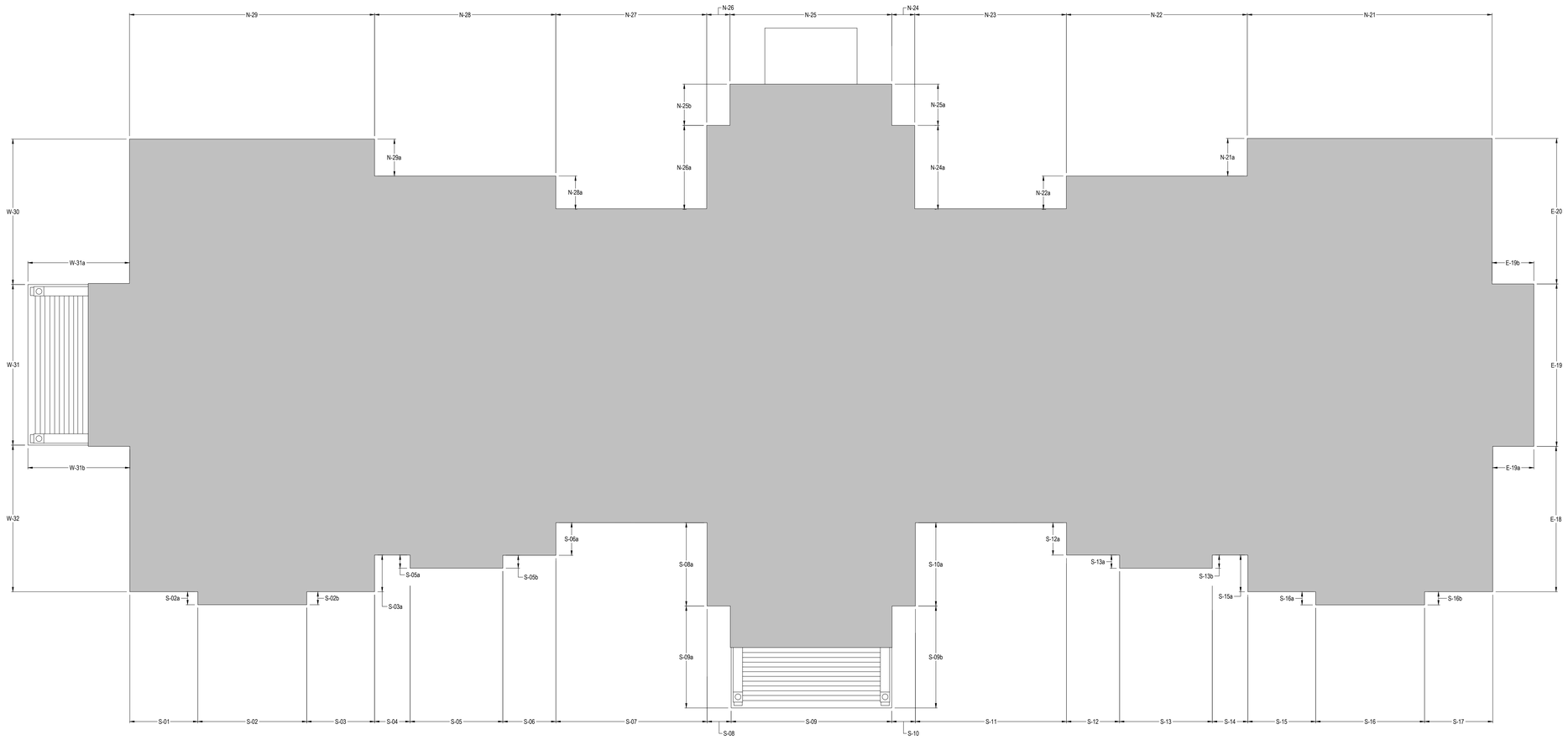
2AE203

Schematic Design



5E ELEVATION NOMENCLATURE DIAGRAM

3/32" = 1'-0"



5B KEY PLAN - BAYS AND RETURNS

3/32" = 1'-0"

CORNICE PLAN LOCATION KEY

SHEET	BAY NUMBER
2AE228	UPPER CORNICE S-10a - S-17
	UPPER CORNICE S-08 - S-10
	UPPER CORNICE S-01 - S-08a
2AE229	UPPER CORNICE W-30 - W-32
	UPPER CORNICE E-18 - E-20
2AE230	UPPER CORNICE N-26a - N-29
	UPPER CORNICE N-24 - N-26
	UPPER CORNICE N-21 - N-24a
2AE231	LOWER CORNICE S-10a - S-17
	LOWER CORNICE S-08 - S-10
	LOWER CORNICE S-01 - S-08a
2AE232	LOWER CORNICE W-30 - W-32
	LOWER CORNICE E-18 - E-20
2AE233	LOWER CORNICE N-26a - N-29
	LOWER CORNICE N-24 - N-26
	LOWER CORNICE N-21 - N-24a

BAY/RETURN ELEVATION LOCATION KEY

SHEET	BAY NUMBER
2AE234	BAYS S-01 - S-04
2AE235	BAYS S-05 - S-08
2AE236	BAYS S-09 - S-12
2AE237	BAYS S-13 - S-17
2AE238	RETURNS S-02a - S-06a
2AE239	RETURNS S-08a - S-10a
2AE240	RETURNS S-12a - S-16b
2AE241	BAYS E-18 - E-20
2AE242	RETURNS E-19a - E-19b
2AE243	BAYS N-21 - N-22
2AE244	BAYS N-23 - N-25
2AE245	BAYS N-26 - N-28
2AE246	BAY N-29
2AE247	RETURNS N-21a - N-25a
2AE248	RETURNS N-25b - N-29a
2AE249	BAYS W-30 - W-32
2AE250	RETURNS W-31a - W-31b

MATERIAL

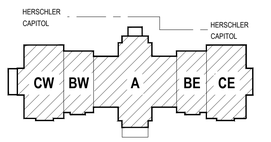
HATCH	MATERIAL
	GALVANIZED SHEET METAL
	SANDSTONE

GENERAL NOTES

CONSTRUCTION KEYNOTES

GRAPHIC LEGEND

KEY PLAN



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State of Wyoming A&I Construction Management

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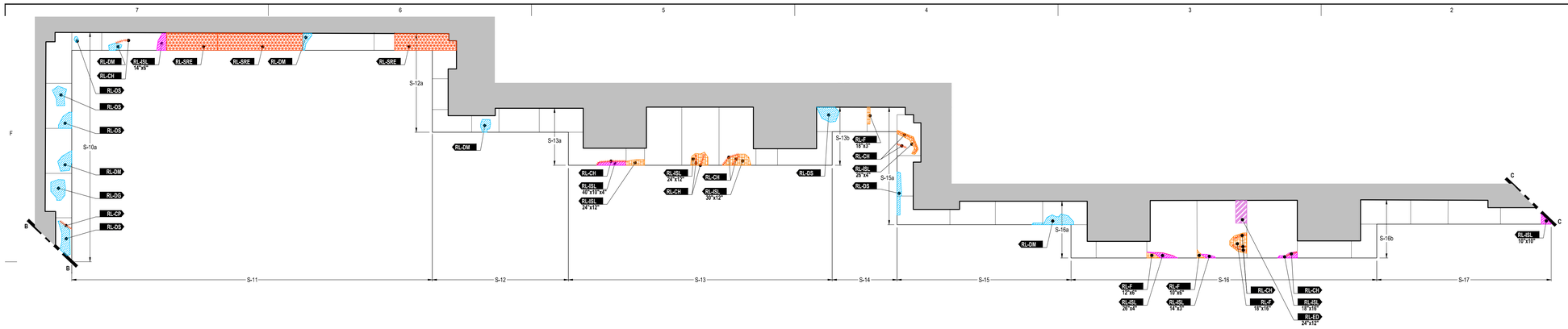
PKG. IDENTIFIER	2

KEY PLAN - EXTERIOR MASONRY REPAIRS

SCALE	AS NOTED

2AE215

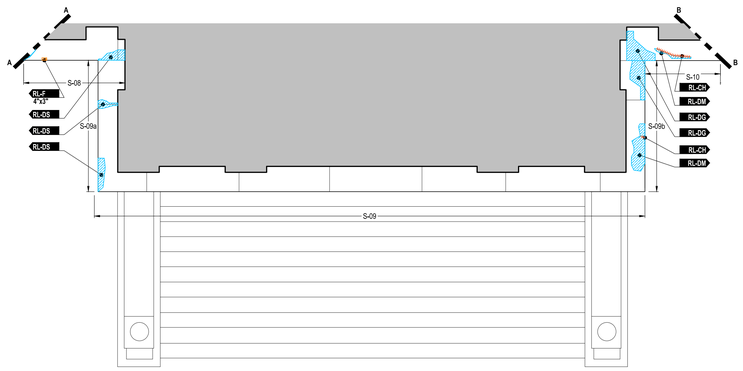
Schematic Design



E5 SOUTH EAST UPPER CORNICE - RETURN S-10A - BAY S-17

1/4" = 1'-0"

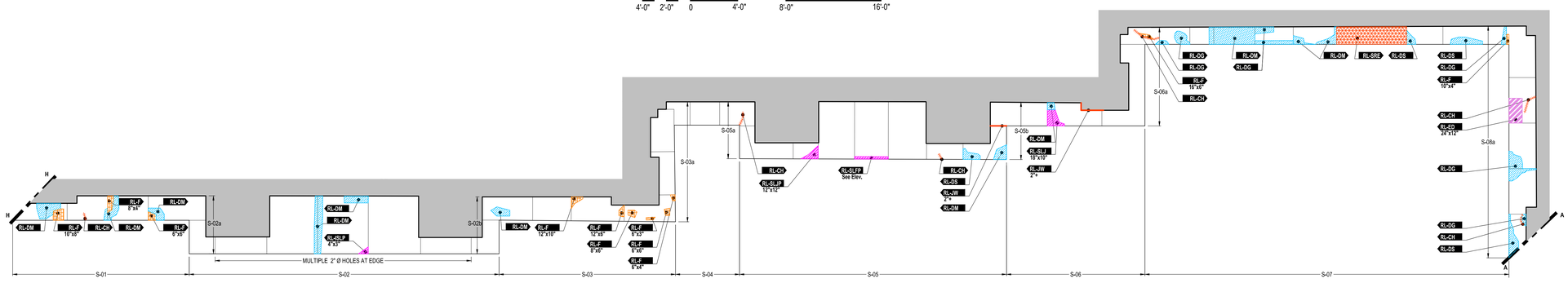
3'-0" 1'-0"
4'-0" 2'-0" 0 4'-0" 8'-0" 16'-0"



C5 SOUTH PORTICO UPPER CORNICE - BAY S-08 - BAY S-10

1/4" = 1'-0"

3'-0" 1'-0"
4'-0" 2'-0" 0 4'-0" 8'-0" 16'-0"



B5 SOUTHWEST UPPER CORNICE - BAY S-01 - RETURN S-08A

1/4" = 1'-0"

3'-0" 1'-0"
4'-0" 2'-0" 0 4'-0" 8'-0" 16'-0"

KEY - EXTERIOR REPAIR ANNOTATION

MATERIAL ABBREVIATION — REPAIR ABBREVIATION

RL-SSP

MATERIAL

	ABBREVIATION	MATERIAL
	RL	RAWLINS SANDSTONE
	FC	FORT COLLINS SANDSTONE

REPAIR

HATCH	ABBREVIATION	REPAIR
CRACKS		
	CC; CP; CH; CJ	AT AN ASSUMED 70% OF CRACKED STONES, REPAIR BY CUTTING OUT THE CRACK AND INSTALLING MORTAR OR CEMENTITIOUS GROUT.
		AT AN ASSUMED 20% OF THE CRACKS, CUT OUT THE CRACKED STONE AND INSTALL DUTCHMAN.
		AT AN ASSUMED 10% OF THE CRACKS, PIN THE CRACKS AS REQUIRED.
		REPLACE ALL OF THE CRACKED STONE LINTELS WITH NEW STONE UNITS.
JOINTS		
	JD; JI; JW	REPOINT 100% OF THE STONE MASONRY. INSTALL LEAD JOINT COVERS AT ALL SKYWARD FACING JOINTS AT THE CORNICES AND OTHER WIDE PROJECTING ELEMENTS.
DISPLACEMENT		
	UD	REMOVE AND REPOSITION STONE UNIT IN CORRECT CONFIGURATION AND IN ALIGNMENT WITH ADJACENT STONES.
SPALLS		
	SS; SSP; SSC; SSJ	SMALL SPALL [LESS THAN 2 INCHES SQUARE, LESS THAN 1/2 INCHES DEEP]. REPAIR WITH COMPOSITE PATCH MATERIAL.
	SL; SLP; SLC; SLJ; ISL; ISLP; ISLC	LARGE SPALL [GREATER THAN 2 INCHES SQUARE, GREATER THAN 1/2-INCH DEEP]. REPAIR WITH STONE DUTCHMAN.
	SLF, SLFP	REPLACE STONE UNIT WITH NEW STONE UNIT.
	SRE	REPLACE DAMAGED, DETERIORATED OR MISSING STONE UNIT WITH NEW STONE UNIT.
DELAMINATION		
	DS	TOOL STONE UNITS.
	DM	TOOL STONE UNITS OR PROVIDE STONE DUTCHMAN REPAIR. ASSUME 30% OF THESE REPAIRS WILL BE STONE DUTCHMAN REPAIRS.
	DG	REPLACE STONE UNIT.
PREVIOUS REPAIRS		
	F; C; P	REPLACE PATCHES LESS THAN 2 INCHES SQUARE WITH COMPOSITE PATCH MATERIAL.
		REPLACE PATCHES GREATER THAN 2 INCHES SQUARE WITH DUTCHMAN REPAIRS OR NEW STONE UNITS DEPENDING UPON THE SIZE OF THE PATCH. IF THE EXISTING PATCH IS 35% OF THE STONE UNIT OR GREATER, REPLACE THE STONE UNIT WITH NEW STONE.
	FD	REPLACE WITH NEW STONE DUTCHMAN REPAIR.
	EDJO	REPOINT JOINTS AT EXISTING DUTCHMAN.
ANCHORS		
	AA	REMOVE THE ANCHORS AND PATCH STONE WITH COMPOSITE PATCH MATERIAL
	AF	REPLACE FERROUS ANCHORS WITH STAINLESS STEEL ANCHORS.
SOILING		
	EFF	THE DESIGN TEAM RECOMMENDS CONDUCTING CLEANING TESTS TO DETERMINE THE GENTLEST METHODS AVAILABLE TO CLEAN THE STONE. ASSUME THE SOILING WILL BE REMOVED USING CHEMICAL CLEANERS WITH LOW PRESSURE WASH.
	GU	
	AS	THE ANNOTATED STAINING CONDITIONS INCLUDE: EFFLORESCENCE [**EFF**]; GUANO [**GU**]; ATMOSPHERIC STAINING [**AS**]; BIOLOGICAL STAINING [**BS**].
	BS	

GENERAL NOTES

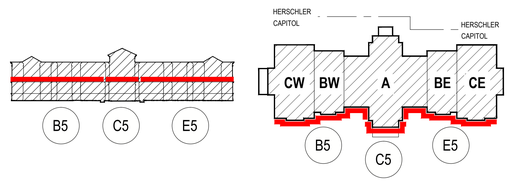
GENERAL NOTES - EXTERIOR MASONRY REPAIRS

- REPOINT 100% OF MASONRY JOINTS. INSTALL LEAD JOINT COVERS AT ALL SKYWARD FACING JOINTS AT THE CORNICES AND WIDE PROJECTING ELEMENTS.
- CLEAN 100% OF EXTERIOR MASONRY.
- INSTALL BIRD-PROOFING AT ALL PORTICOES. BIRDPROOFING TO BE DESIGNED BY BIRD-MASTER.
- INSTALL METAL FLASHING OR COLD FLUID APPLIED MEMBRANE TO PILASTER CAPITALS DIRECTLY BENEATH GALVANIZED METAL ENTABLATURE.

CONSTRUCTION KEYNOTES

GRAPHIC LEGEND

KEY PLAN



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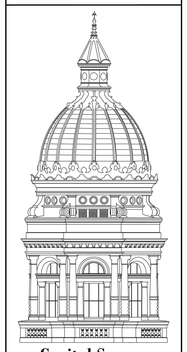
Construction Management



Capitol Square
Rehabilitation and Restoration
State of Wyoming A&I Construction Management

HDR PDP RLA

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MARK	DATE	DESCRIPTION
1	2014/12/19	SD OWNER REVIEW

PROJECT NUMBER	203619
ORIGINAL ISSUE	- - -
PKG. IDENTIFIER	2

EXTERIOR MASONRY REPAIRS SOUTH UPPER CORNICE

SCALE AS NOTED

2AE228

Schematic Design

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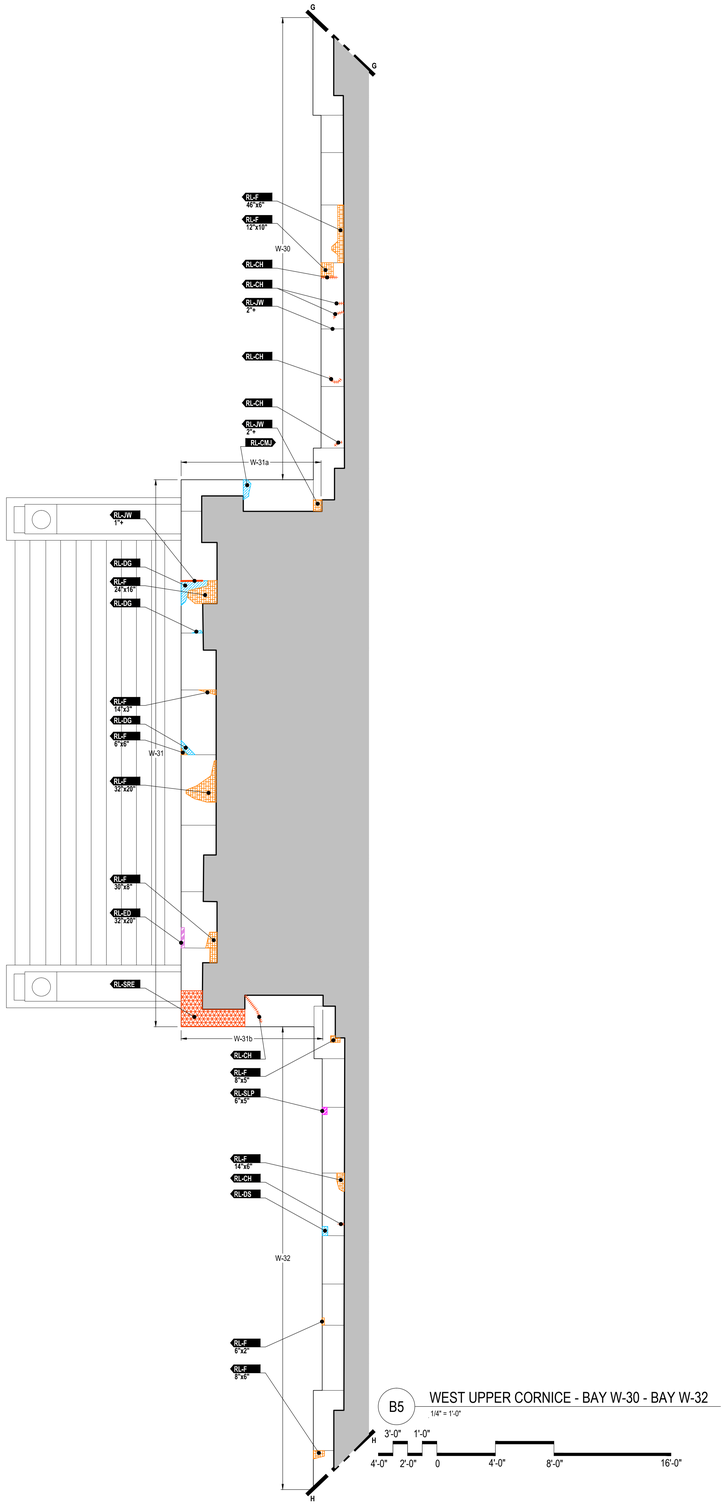
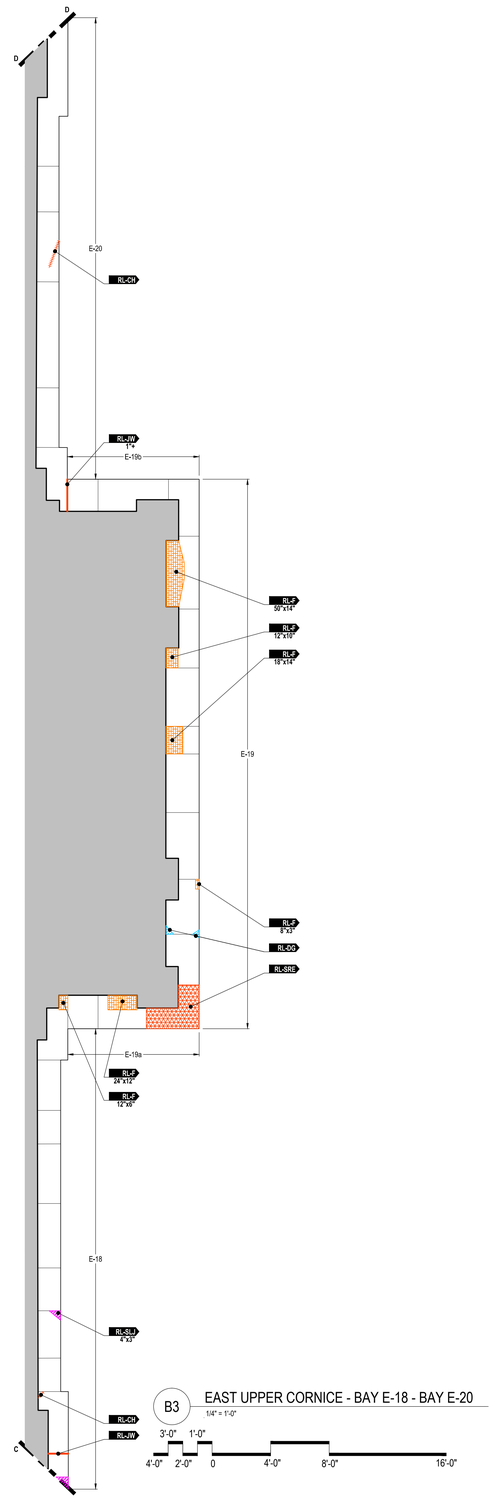


B5 WEST UPPER CORNICE - BAY W-30 - BAY W-32
1/4" = 1'-0"

3'-0" 1'-0" 4'-0" 2'-0" 0 4'-0" 8'-0" 16'-0"



B3 EAST UPPER CORNICE - BAY E-18 - BAY E-20
1/4" = 1'-0"

3'-0" 1'-0" 4'-0" 2'-0" 0 4'-0" 8'-0" 16'-0"

KEY - EXTERIOR REPAIR ANNOTATION

MATERIAL ABBREVIATION — REPAIR ABBREVIATION

RL-SSP

MATERIAL

ABBREVIATION	MATERIAL
RL	RAWLIN'S SANDSTONE
FC	FORT COLLINS SANDSTONE

REPAIR

HATCH	ABBREVIATION	REPAIR
CRACKS		
	CC; CP; CH; CJ	AT AN ASSUMED 70% OF CRACKED STONES, REPAIR BY CUTTING OUT THE CRACK AND INSTALLING MORTAR OR CEMENTITIOUS GROUT.
		AT AN ASSUMED 20% OF THE CRACKS, CUT OUT THE CRACKED STONE AND INSTALL DUTCHMAN.
		AT AN ASSUMED 10% OF THE CRACKS, PIN THE CRACKS AS REQUIRED.
		REPLACE ALL OF THE CRACKED STONE LINTELS WITH NEW STONE UNITS.
JOINTS		
	JD; JI; JW	REPOINT 100% OF THE STONE MASONRY. INSTALL LEAD JOINT COVERS AT ALL SKYWARD FACING JOINTS AT THE CORNICES AND OTHER WIDE PROJECTING ELEMENTS.
DISPLACEMENT		
	UD	REMOVE AND REPOSITION STONE UNIT IN CORRECT CONFIGURATION AND IN ALIGNMENT WITH ADJACENT STONES.
SPALLS		
	SS; SSP; SSC; SSJ	SMALL SPALL [LESS THAN 2 INCHES SQUARE, LESS THAN 1/2 INCHES DEEP]. REPAIR WITH COMPOSITE PATCH MATERIAL.
	SL; SLP; SLC; SLJ; ISL; ISLP; ISLC	LARGE SPALL [GREATER THAN 2 INCHES SQUARE, GREATER THAN 1/2-INCH DEEP]. REPAIR WITH STONE DUTCHMAN.
	SLF, SLFP	REPLACE STONE UNIT WITH NEW STONE UNIT.
	SRE	REPLACE DAMAGED, DETERIORATED OR MISSING STONE UNIT WITH NEW STONE UNIT.
DELAMINATION		
	DS	TOOL STONE UNITS.
	DM	TOOL STONE UNITS OR PROVIDE STONE DUTCHMAN REPAIR. ASSUME 30% OF THESE REPAIRS WILL BE STONE DUTCHMAN REPAIRS.
	DG	REPLACE STONE UNIT.
PREVIOUS REPAIRS		
	F; C; P	REPLACE PATCHES LESS THAN 2 INCHES SQUARE WITH COMPOSITE PATCH MATERIAL.
		REPLACE PATCHES GREATER THAN 2 INCHES SQUARE WITH DUTCHMAN REPAIRS OR NEW STONE UNITS DEPENDING UPON THE SIZE OF THE PATCH. IF THE EXISTING PATCH IS 35% OF THE STONE UNIT OR GREATER, REPLACE THE STONE UNIT WITH NEW STONE.
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ANCHORS		
	AA	REMOVE THE ANCHORS AND PATCH STONE WITH COMPOSITE PATCH MATERIAL
	AF	REPLACE FERROUS ANCHORS WITH STAINLESS STEEL ANCHORS.
SOILING		
	EFF	THE DESIGN TEAM RECOMMENDS CONDUCTING CLEANING TESTS TO DETERMINE THE GENTLEST METHODS AVAILABLE TO CLEAN THE STONE. ASSUME THE SOILING WILL BE REMOVED USING CHEMICAL CLEANERS WITH LOW PRESSURE WASH. THE ANNOTATED STAINING CONDITIONS INCLUDE: EFFLORESCENCE [**EFF**]; GUANO [**GU**]; ATMOSPHERIC STAINING [**AS**]; BIOLOGICAL STAINING [**BS**].
	GU	
	AS	
	BS	

GENERAL NOTES

GENERAL NOTES - EXTERIOR MASONRY REPAIRS

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- CLEAN 100% OF EXTERIOR MASONRY.
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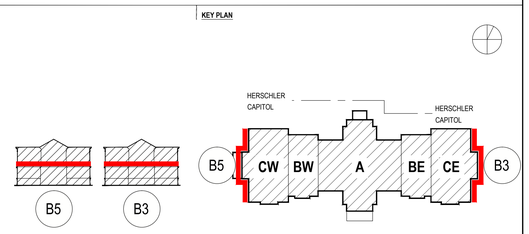
- INSTALL METAL FLASHING OR COLD FLUID APPLIED MEMBRANE TO PILASTER CAPITALS DIRECTLY BENEATH GALVANIZED METAL ENTABLATURE.

CONSTRUCTION KEYNOTES

GRAPHIC LEGEND

KEY PLAN



State of Wyoming

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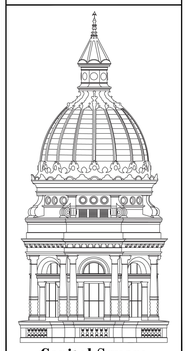
Construction Management



Capitol Square
Rehabilitation and Restoration
State of Wyoming A&I Construction Management

HDR PDP PLAN ARCHITECT

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PKG. IDENTIFIER	2

EXTERIOR MASONRY REPAIRS EAST AND WEST UPPER CORNICE

SCALE	AS NOTED

2AE229

Schematic Design

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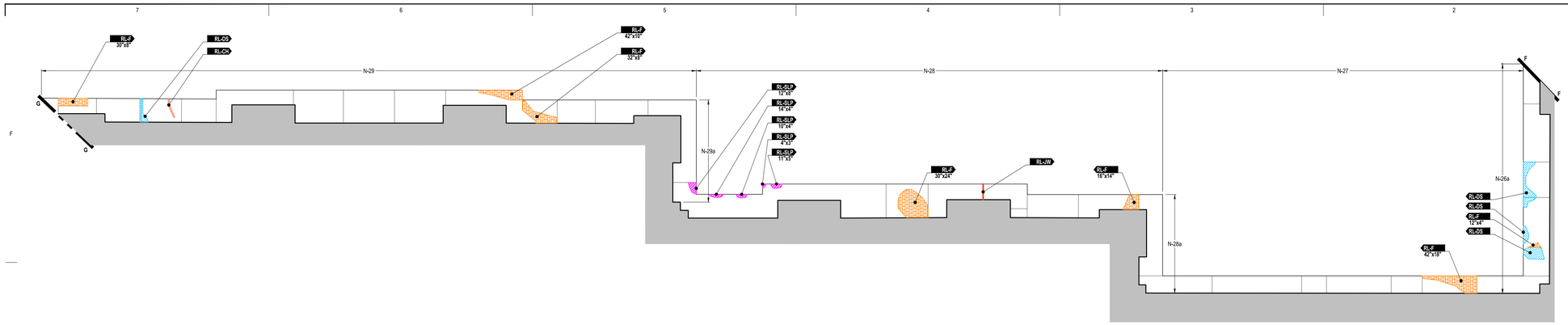
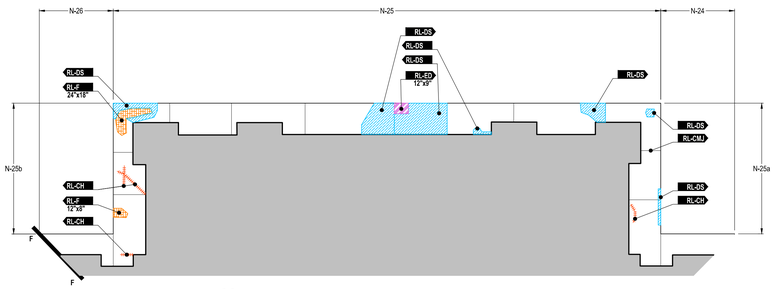


E5 NORTHWEST UPPER CORNICE - RETURN N-26A - BAY N-29

1/4" = 1'-0"

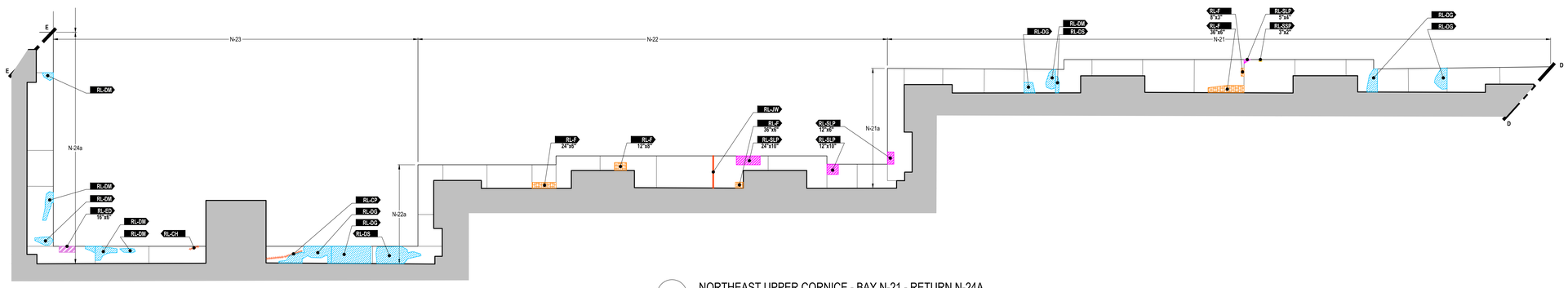
3'-0" 1'-0"
4'-0" 2'-0" 0 4'-0" 8'-0" 16'-0"



C5 NORTH PORTICO UPPER CORNICE - BAY N-24 - BAY N-26

1/4" = 1'-0"

3'-0" 1'-0"
4'-0" 2'-0" 0 4'-0" 8'-0" 16'-0"



B5 NORTHEAST UPPER CORNICE - BAY N-21 - RETURN N-24A

1/4" = 1'-0"

3'-0" 1'-0"
4'-0" 2'-0" 0 4'-0" 8'-0" 16'-0"

GENERAL NOTES

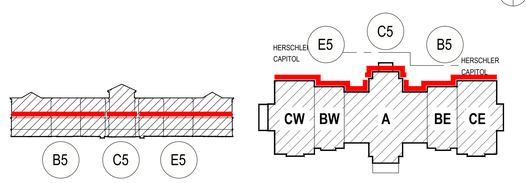
GENERAL NOTES - EXTERIOR MASONRY REPAIRS

- REPOINT 100% OF MASONRY JOINTS. INSTALL LEAD JOINT COVERS AT ALL SKYWARD FACING JOINTS AT THE CORNICES AND WIDE PROJECTING ELEMENTS.
- CLEAN 100% OF EXTERIOR MASONRY.
- INSTALL BIRD-PROOFING AT ALL PORTICOES. BIRDPROOFING TO BE DESIGNED BY BIRD-MASTER.
- INSTALL METAL FLASHING OR COLD FLUID APPLIED MEMBRANE TO PILASTER CAPITALS DIRECTLY BENEATH GALVANIZED METAL ENTABLATURE.

CONSTRUCTION KEYNOTES

GRAPHIC LEGEND

KEY PLAN



KEY - EXTERIOR REPAIR ANNOTATION

MATERIAL ABBREVIATION — REPAIR ABBREVIATION

RL-SSP

MATERIAL

ABBREVIATION	MATERIAL
RL	RAWLIN'S SANDSTONE
FC	FORT COLLINS SANDSTONE

REPAIR

HATCH	ABBREVIATION	REPAIR
CRACKS		
	CC; CP; CH; CJ	AT AN ASSUMED 70% OF CRACKED STONES, REPAIR BY CUTTING OUT THE CRACK AND INSTALLING MORTAR OR CEMENTITIOUS GROUT.
		AT AN ASSUMED 20% OF THE CRACKS, CUT OUT THE CRACKED STONE AND INSTALL DUTCHMAN.
		AT AN ASSUMED 10% OF THE CRACKS, PIN THE CRACKS AS REQUIRED.
		REPLACE ALL OF THE CRACKED STONE LINTELS WITH NEW STONE UNITS.
JOINTS		
	JD; JI; JW	REPOINT 100% OF THE STONE MASONRY. INSTALL LEAD JOINT COVERS AT ALL SKYWARD FACING JOINTS AT THE CORNICES AND OTHER WIDE PROJECTING ELEMENTS.
DISPLACEMENT		
UD		REMOVE AND REPOSITION STONE UNIT IN CORRECT CONFIGURATION AND IN ALIGNMENT WITH ADJACENT STONES.
SPALLS		
	SS; SSP; SSC; SSJ	SMALL SPALL [LESS THAN 2 INCHES SQUARE, LESS THAN 1/2 INCHES DEEP]. REPAIR WITH COMPOSITE PATCH MATERIAL.
	SL; SLP; SLC; SLJ; ISL; ISLP; ISLC	LARGE SPALL [GREATER THAN 2 INCHES SQUARE, GREATER THAN 1/2-INCH DEEP]. REPAIR WITH STONE DUTCHMAN.
	SLF, SLFP	REPLACE STONE UNIT WITH NEW STONE UNIT.
	SRE	REPLACE DAMAGED, DETERIORATED OR MISSING STONE UNIT WITH NEW STONE UNIT.
DELAMINATION		
	DS	TOOL STONE UNITS.
	DM	TOOL STONE UNITS OR PROVIDE STONE DUTCHMAN REPAIR. ASSUME 30% OF THESE REPAIRS WILL BE STONE DUTCHMAN REPAIRS.
	DG	REPLACE STONE UNIT.
PREVIOUS REPAIRS		
	F; C; P	REPLACE PATCHES LESS THAN 2 INCHES SQUARE WITH COMPOSITE PATCH MATERIAL.
		REPLACE PATCHES GREATER THAN 2 INCHES SQUARE WITH DUTCHMAN REPAIRS OR NEW STONE UNITS DEPENDING UPON THE SIZE OF THE PATCH. IF THE EXISTING PATCH IS 35% OF THE STONE UNIT OR GREATER, REPLACE THE STONE UNIT WITH NEW STONE.
	FD	REPLACE WITH NEW STONE DUTCHMAN REPAIR.
	EDJO	REPOINT JOINTS AT EXISTING DUTCHMAN.
ANCHORS		
	AA	REMOVE THE ANCHORS AND PATCH STONE WITH COMPOSITE PATCH MATERIAL
	AF	REPLACE FERROUS ANCHORS WITH STAINLESS STEEL ANCHORS.
SOILING		
	EFF	THE DESIGN TEAM RECOMMENDS CONDUCTING CLEANING TESTS TO DETERMINE THE GENTLEST METHODS AVAILABLE TO CLEAN THE STONE. ASSUME THE SOILING WILL BE REMOVED USING CHEMICAL CLEANERS WITH LOW PRESSURE WASH. THE ANNOTATED STAINING CONDITIONS INCLUDE: EFFLORESCENCE [EFF]; GUANO [GU]; ATMOSPHERIC STAINING [AS]; BIOLOGICAL STAINING [BS].
	GU	
	AS	
	BS	

State of Wyoming

Administration & Information
Construction Management

Capitol Square
Rehabilitation and Restoration
State of Wyoming A&I Construction Management

HDR PDP RLA LEARNING

PRELIMINARY
NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION
1	2014/12/19	SD OWNER REVIEW

PROJECT NUMBER	203619
ORIGINAL ISSUE	- - -
PKG. IDENTIFIER	2

EXTERIOR MASONRY REPAIRS NORTH UPPER CORNICE

SCALE	AS NOTED

2AE230

Schematic Design

P:\13.001 \ Wyoming State Capitol\07_Drawings\07_01_CADD Drawings\03_Schematic Design\2AE21Ra_Exterior Repairs CORNICE Plans.dwg
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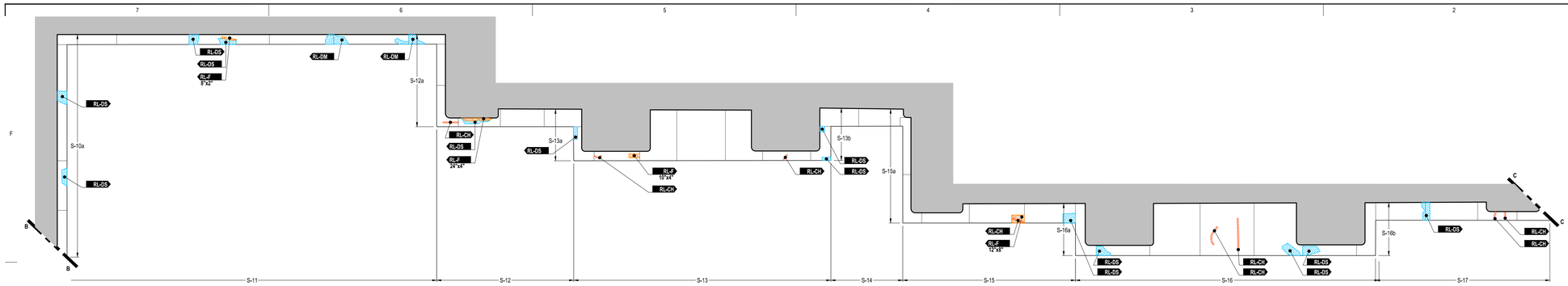
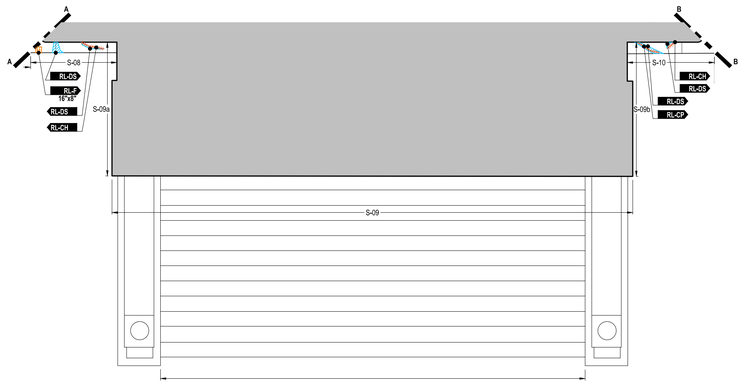


E5 SOUTH EAST LOWER CORNICE - RETURN S-10A - BAY S-17

1/4" = 1'-0"

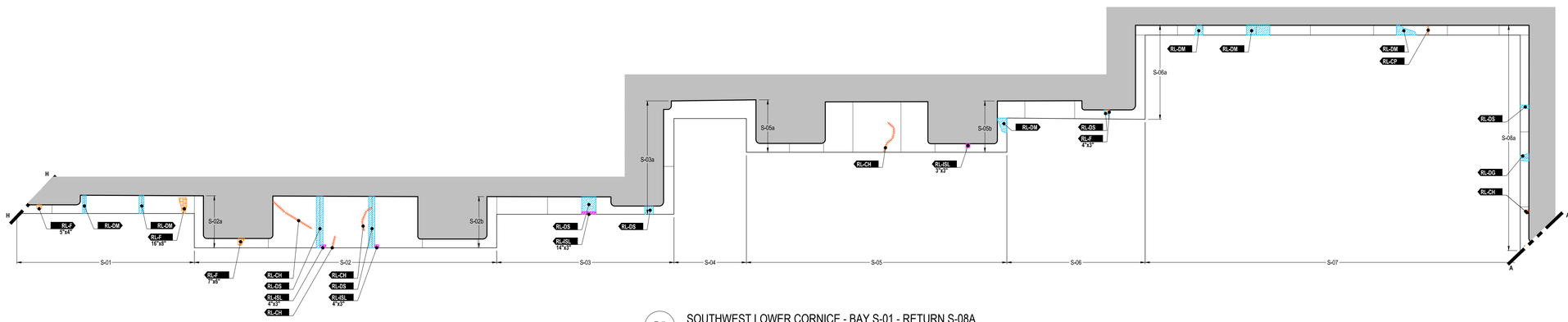
3'-0" 1'-0"
4'-0" 2'-0" 0 4'-0" 8'-0" 16'-0"



C5 SOUTH PORTICO LOWER CORNICE - BAY S-08 - BAY S-10

1/4" = 1'-0"

3'-0" 1'-0"
4'-0" 2'-0" 0 4'-0" 8'-0" 16'-0"



B5 SOUTHWEST LOWER CORNICE - BAY S-01 - RETURN S-08A

1/4" = 1'-0"

3'-0" 1'-0"
4'-0" 2'-0" 0 4'-0" 8'-0" 16'-0"

KEY - EXTERIOR REPAIR ANNOTATION

MATERIAL ABBREVIATION — REPAIR ABBREVIATION

RL-SSP

MATERIAL

ABBREVIATION	MATERIAL
RL	RAWLIN'S SANDSTONE
FC	FORT COLLINS SANDSTONE

REPAIR

HATCH	ABBREVIATION	REPAIR
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SPALLS		
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DELAMINATION		
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	GU	
	AS	
	BS	

GENERAL NOTES

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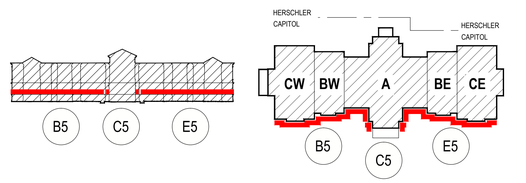
CONSTRUCTION KEYNOTES

GRAPHIC LEGEND

KEY PLAN



State of Wyoming

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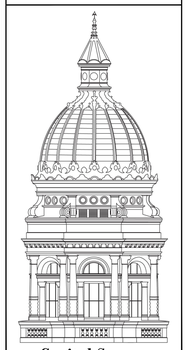
Construction Management



Capitol Square
Rehabilitation and Restoration
State of Wyoming A&I Construction Management

HDR PDP RLA

PRELIMINARY
NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION
1	2014/12/19	SD OWNER REVIEW

PROJECT NUMBER	203619
ORIGINAL ISSUE	- -
PKG. IDENTIFIER	2

EXTERIOR MASONRY REPAIRS SOUTH LOWER CORNICE

SCALE AS NOTED

2AE231

Schematic Design

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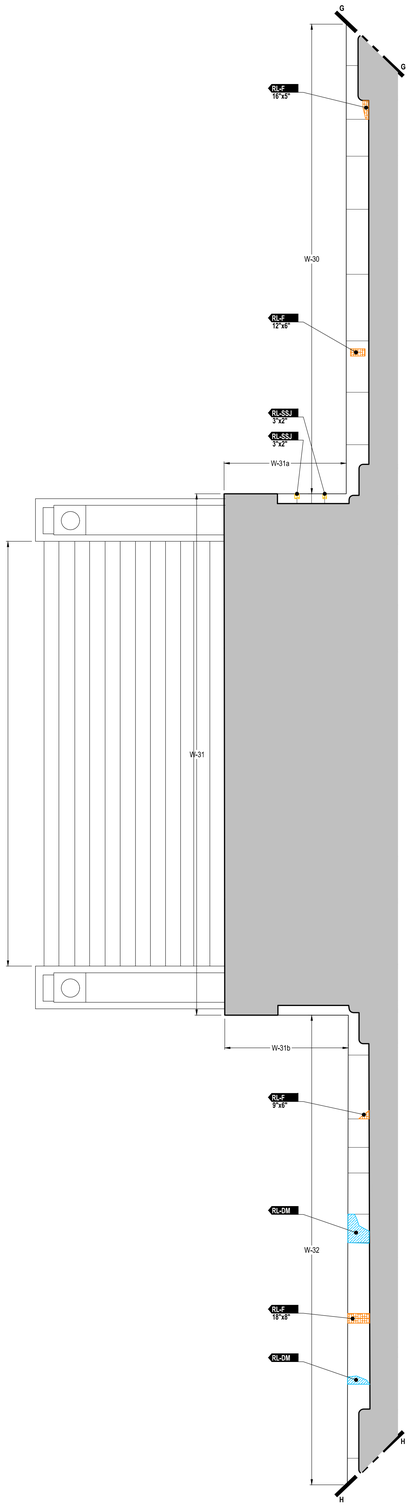
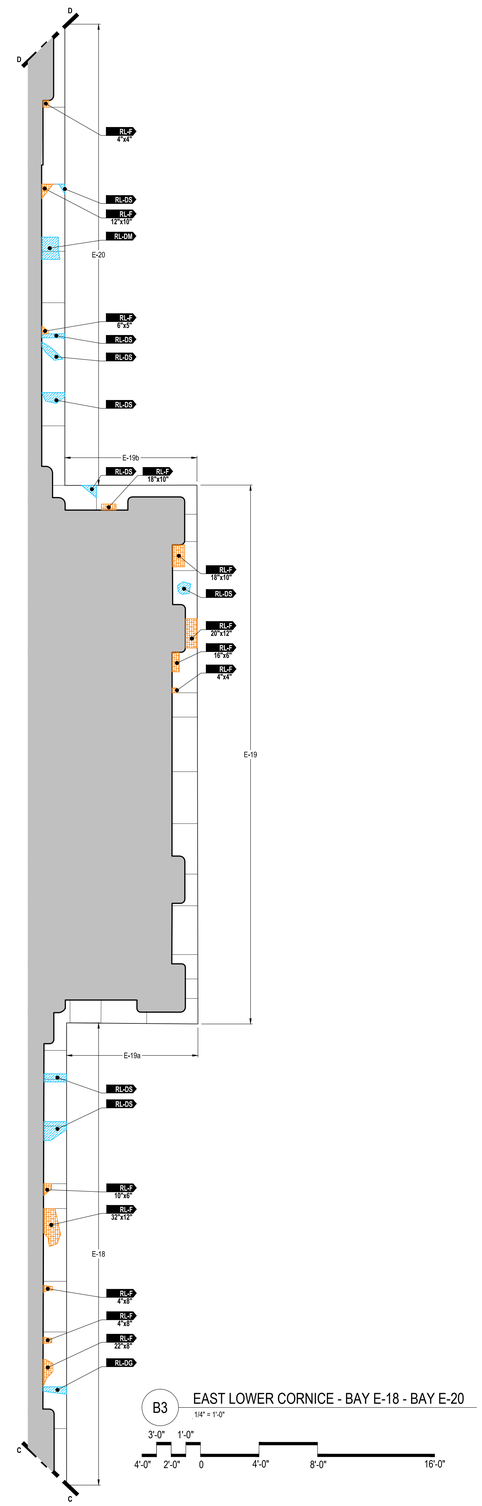


B5 WEST LOWER CORNICE - BAY W-30 - BAY W-32

1/4" = 1'-0"

3'-0" 1'-0"

4'-0" 2'-0" 0 4'-0" 8'-0" 16'-0"



B3 EAST LOWER CORNICE - BAY E-18 - BAY E-20

1/4" = 1'-0"

3'-0" 1'-0"

4'-0" 2'-0" 0 4'-0" 8'-0" 16'-0"

KEY - EXTERIOR REPAIR ANNOTATION

MATERIAL ABBREVIATION — REPAIR ABBREVIATION

RL-SSJP

MATERIAL

ABBREVIATION	MATERIAL
RL	RAWLIN'S SANDSTONE
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REPAIR

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SPALLS		
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ANCHORS		
	AA	REMOVE THE ANCHORS AND PATCH STONE WITH COMPOSITE PATCH MATERIAL
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	GU	
	AS	
	BS	

GENERAL NOTES

GENERAL NOTES - EXTERIOR MASONRY REPAIRS

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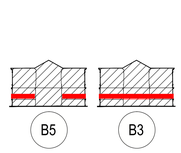
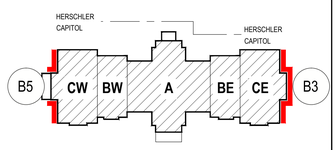
CONSTRUCTION KEYNOTES

GRAPHIC LEGEND

KEY PLAN





State of Wyoming

Administration & Information
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Capitol Square
Rehabilitation and Restoration
State of Wyoming A&I Construction Management

HDR PDP RLA learning

PRELIMINARY
NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION
1	2014/12/19	SD OWNER REVIEW

PROJECT NUMBER 203619

ORIGINAL ISSUE - - -

PKG. IDENTIFIER 2

EXTERIOR MASONRY REPAIRS EAST AND WEST LOWER CORNICE

SCALE AS NOTED

2AE232

Schematic Design

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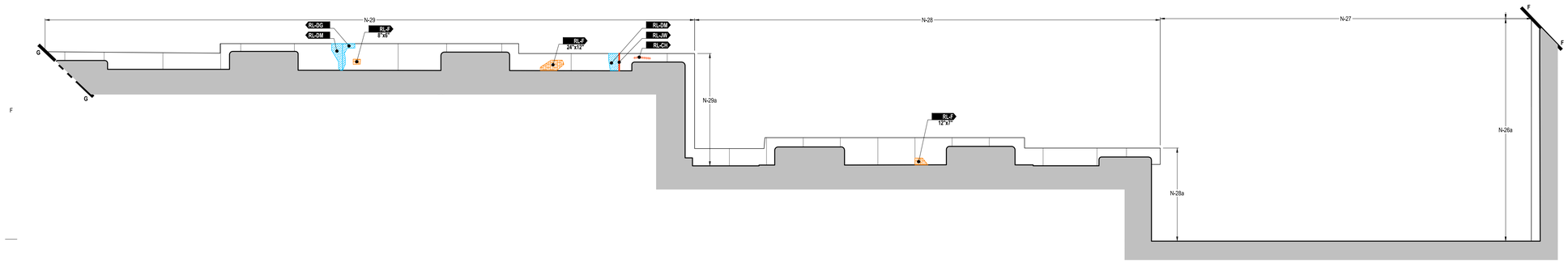
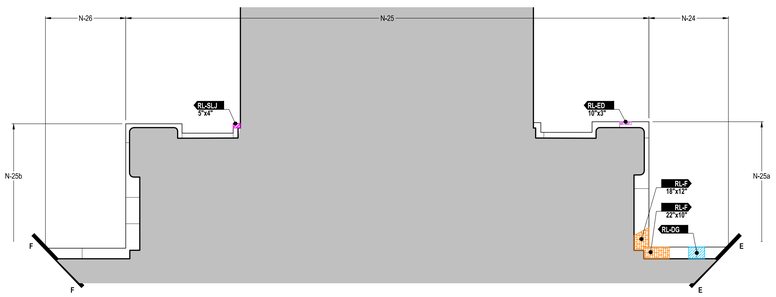


E5 NORTHWEST LOWER CORNICE - RETURN N-26A - BAY N-29

1/4" = 1'-0"

3'-0" 1'-0"

4'-0" 2'-0" 0 4'-0" 8'-0" 16'-0"

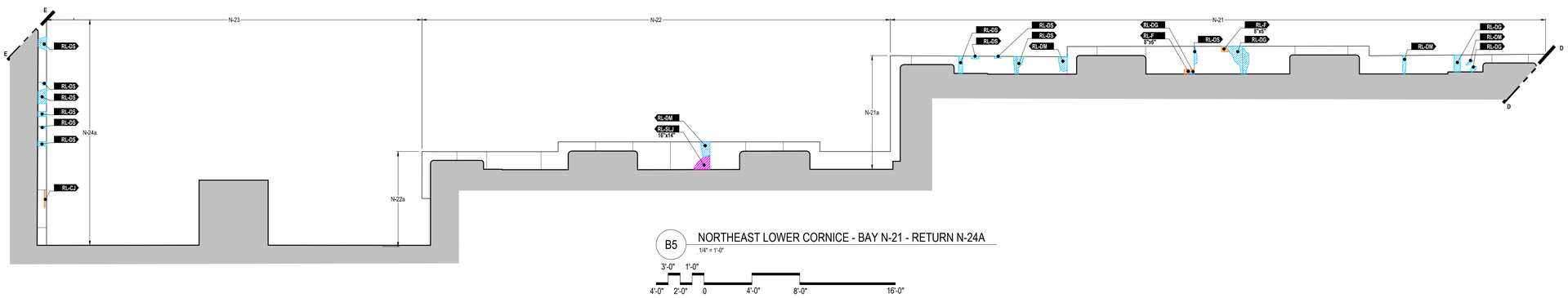


C5 NORTH PORTICO LOWER CORNICE - BAY N-24 - BAY N-26

1/4" = 1'-0"

3'-0" 1'-0"

4'-0" 2'-0" 0 4'-0" 8'-0" 16'-0"



B5 NORTHEAST LOWER CORNICE - BAY N-21 - RETURN N-24A

1/4" = 1'-0"

3'-0" 1'-0"

4'-0" 2'-0" 0 4'-0" 8'-0" 16'-0"

KEY - EXTERIOR REPAIR ANNOTATION

MATERIAL ABBREVIATION — REPAIR ABBREVIATION

RL-SSP

MATERIAL

ABBREVIATION	MATERIAL
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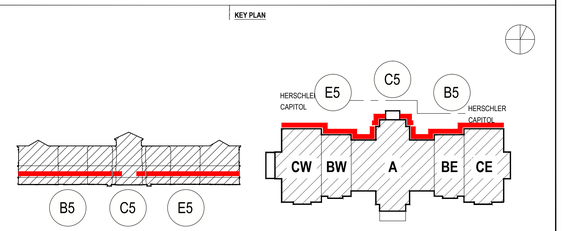
CONSTRUCTION KEYNOTES

GRAPHIC LEGEND

KEY PLAN



State of Wyoming

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Construction Management

Capitol Square
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State of Wyoming A&I Construction Management

HDR PDP PLAN ARCHITECT

PRELIMINARY
NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION
1	2014/12/19	SD OWNER REVIEW

PROJECT NUMBER 203619

ORIGINAL ISSUE - -

PKG. IDENTIFIER 2

EXTERIOR MASONRY REPAIRS NORTH LOWER CORNICE

SCALE AS NOTED

2AE233

Schematic Design

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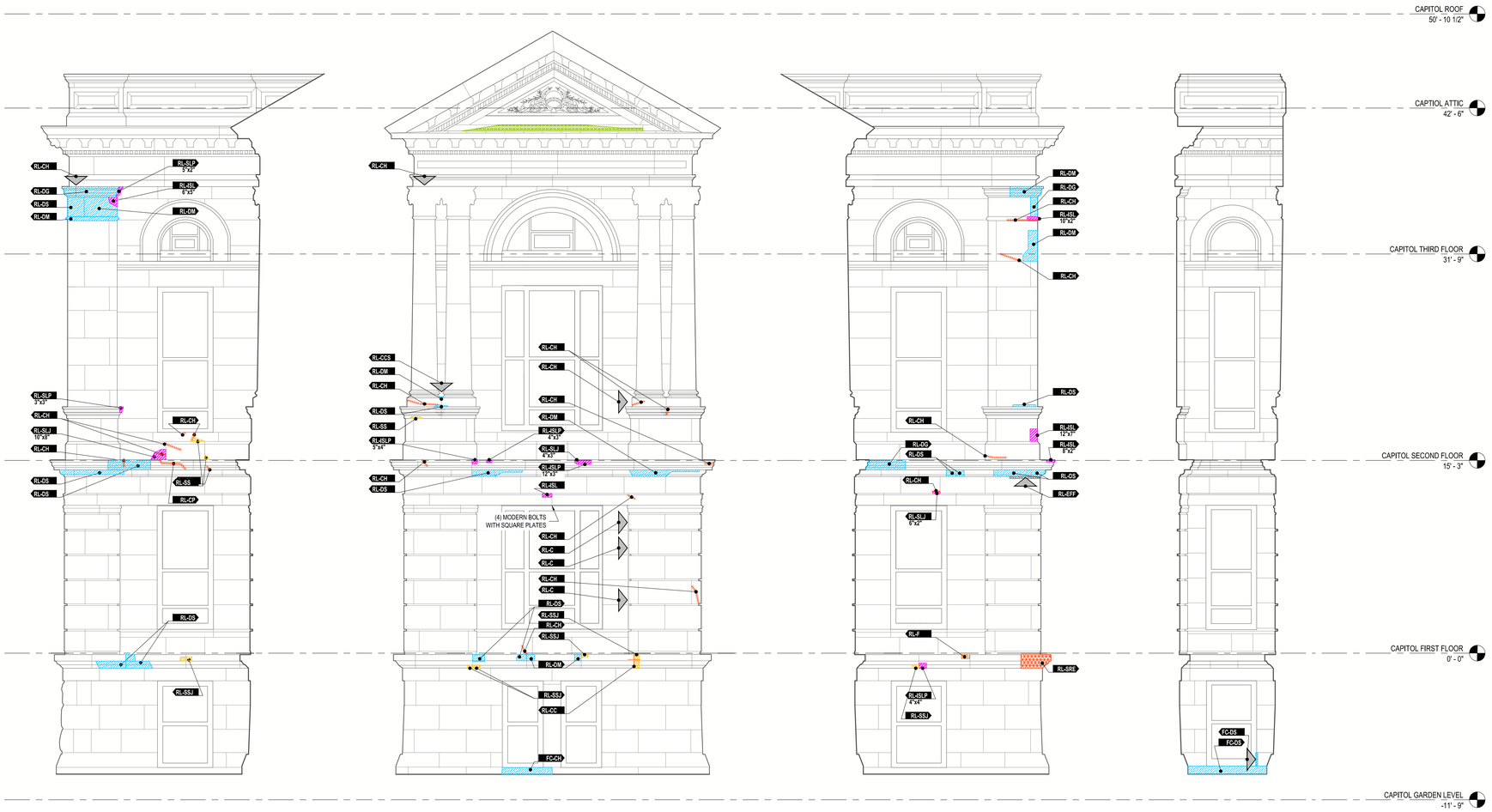
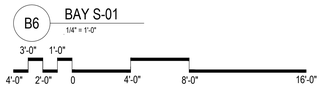
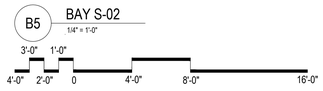


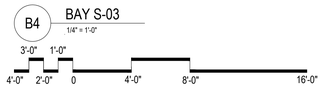
B6 BAY S-01 1/4" = 1'-0"



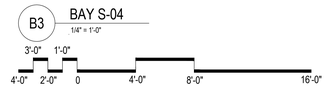
B5 BAY S-02 1/4" = 1'-0"



B4 BAY S-03 1/4" = 1'-0"



B3 BAY S-04 1/4" = 1'-0"



GENERAL NOTES

GENERAL NOTES - EXTERIOR MASONRY REPAIRS

- REPOINT 100% OF MASONRY JOINTS. INSTALL LEAD JOINT COVERS AT ALL SKYWARD FACING JOINTS AT THE CORNICES AND WIDE PROJECTING ELEMENTS.
- CLEAN 100% OF EXTERIOR MASONRY.
- INSTALL BIRD-PROOFING AT ALL PORTICOES. BIRDPROOFING TO BE DESIGNED BY BIRD-MASTER.
- INSTALL METAL FLASHING OR COLD FLUID APPLIED MEMBRANE TO PILASTER CAPITALS DIRECTLY BENEATH GALVANIZED METAL ENTABLATURE.

CONSTRUCTION KEYNOTES

GRAPHIC LEGEND

KEY - EXTERIOR REPAIR ANNOTATION

MATERIAL

ABBREVIATION	MATERIAL
RL	RAWLIN'S SANDSTONE
FC	FORT COLLINS SANDSTONE

REPAIR

HATCH	ABBREVIATION	REPAIR
CRACKS		
	CC; CP; CH; CJ	AT AN ASSUMED 70% OF CRACKED STONES, REPAIR BY CUTTING OUT THE CRACK AND INSTALLING MORTAR OR CEMENTITIOUS GROUT.
		AT AN ASSUMED 20% OF THE CRACKS, CUT OUT THE CRACKED STONE AND INSTALL DUTCHMAN.
		AT AN ASSUMED 10% OF THE CRACKS, PIN THE CRACKS AS REQUIRED.
		REPLACE ALL OF THE CRACKED STONE LINTELS WITH NEW STONE UNITS.
JOINTS		
	JD; JI; JW	REPOINT 100% OF THE STONE MASONRY. INSTALL LEAD JOINT COVERS AT ALL SKYWARD FACING JOINTS AT THE CORNICES AND OTHER WIDE PROJECTING ELEMENTS.
DISPLACEMENT		
	UD	REMOVE AND REPOSITION STONE UNIT IN CORRECT CONFIGURATION AND IN ALIGNMENT WITH ADJACENT STONES.
SPALLS		
	SS; SSP; SSC; SSJ	SMALL SPALL [LESS THAN 2 INCHES SQUARE, LESS THAN 1/2 INCHES DEEP]. REPAIR WITH COMPOSITE PATCH MATERIAL.
	SL; SLP; SLC; SLJ; ISL; ISLP; ISLC	LARGE SPALL [GREATER THAN 2 INCHES SQUARE, GREATER THAN 1/2-INCH DEEP]. REPAIR WITH STONE DUTCHMAN.
	SLF, SLFP	REPLACE STONE UNIT WITH NEW STONE UNIT.
	SRE	REPLACE DAMAGED, DETERIORATED OR MISSING STONE UNIT WITH NEW STONE UNIT.
DELAMINATION		
	DS	TOOL STONE UNITS.
	DM	TOOL STONE UNITS OR PROVIDE STONE DUTCHMAN REPAIR. ASSUME 30% OF THESE REPAIRS WILL BE STONE DUTCHMAN REPAIRS.
	DG	REPLACE STONE UNIT.
PREVIOUS REPAIRS		
	F; C; P	REPLACE PATCHES LESS THAN 2 INCHES SQUARE WITH COMPOSITE PATCH MATERIAL.
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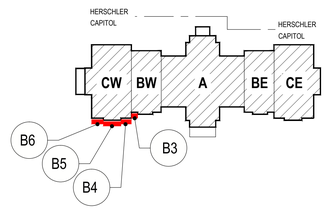
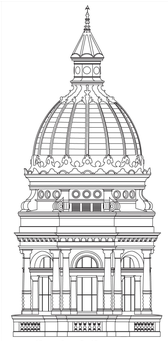
	FD	REPLACE WITH NEW STONE DUTCHMAN REPAIR.
	EDJO	REPOINT JOINTS AT EXISTING DUTCHMAN.
ANCHORS		
	AA	REMOVE THE ANCHORS AND PATCH STONE WITH COMPOSITE PATCH MATERIAL
	AF	REPLACE FERROUS ANCHORS WITH STAINLESS STEEL ANCHORS.
SOILING		
	EFF	THE DESIGN TEAM RECOMMENDS CONDUCTING CLEANING TESTS TO DETERMINE THE GENTLEST METHODS AVAILABLE TO CLEAN THE STONE. ASSUME THE SOILING WILL BE REMOVED USING CHEMICAL CLEANERS WITH LOW PRESSURE WASH.
	GU	
	AS	THE ANNOTATED STAINING CONDITIONS INCLUDE: EFFLORESCENCE [**EFF**]; GUANO [**GU**]; ATMOSPHERIC STAINING [**AS**]; BIOLOGICAL STAINING [**BS**].
	BS	

KEY PLAN



State of Wyoming

Administration & Information
Construction Management



Capitol Square
Rehabilitation and Restoration
State of Wyoming A&I Construction Management

HDR PDP PLAN ARCHITECT

PRELIMINARY
NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION
1	2014/12/19	SD OWNER REVIEW

PROJECT NUMBER	203619
ORIGINAL ISSUE	- -
PKG. IDENTIFIER	2

EXTERIOR MASONRY REPAIRS AT SOUTH ELEVATION BAYS

SCALE: AS NOTED

2AE234

Schematic Design

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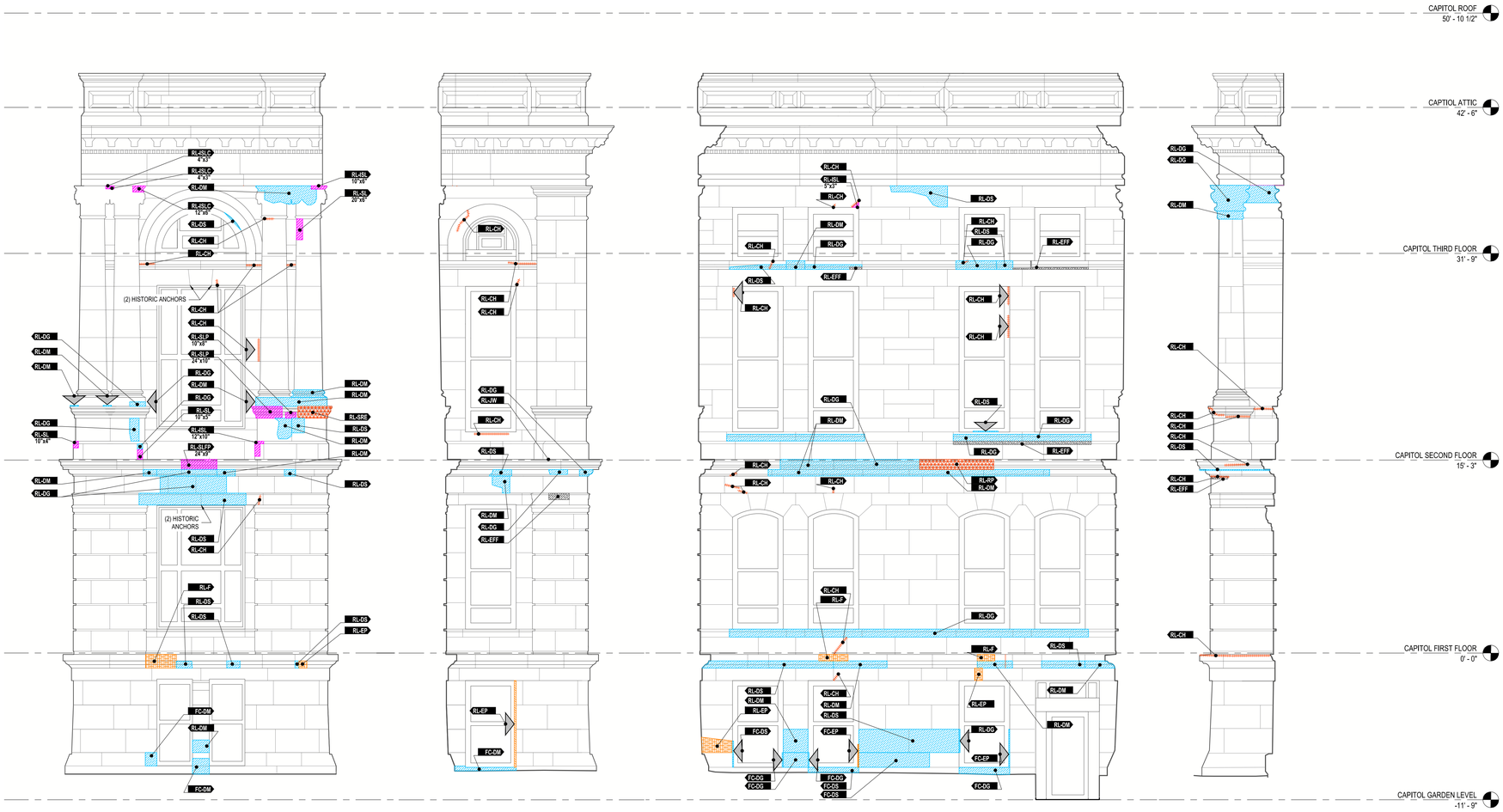
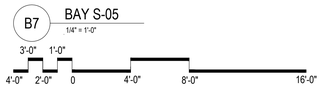
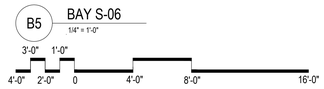


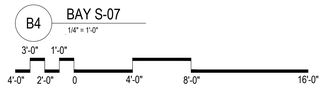
B7 BAY S-05 1/4" = 1'-0"



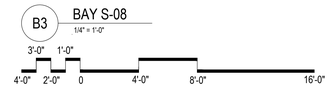
B5 BAY S-06 1/4" = 1'-0"



B4 BAY S-07 1/4" = 1'-0"



B3 BAY S-08 1/4" = 1'-0"



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CONSTRUCTION KEYNOTES

GRAPHIC LEGEND

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RL-SSP

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ABBREVIATION	MATERIAL
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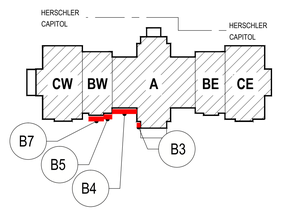
	GU	THE ANNOTATED STAINING CONDITIONS INCLUDE: EFFLORESCENCE [**EFF**]; GUANO [**GU**]; ATMOSPHERIC STAINING [**AS**]; BIOLOGICAL STAINING [**BS**].
	AS	
	BS	

KEY PLAN



State of Wyoming

Administration & Information
Construction Management

Capitol Square
Rehabilitation and Restoration
State of Wyoming A&I Construction Management

HDR PDP RLA

PRELIMINARY
NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION
1	2014/12/19	SD OWNER REVIEW

PROJECT NUMBER	203619
ORIGINAL ISSUE	- - -
PKG. IDENTIFIER	2

EXTERIOR MASONRY REPAIRS AT SOUTH ELEVATION BAYS

SCALE: AS NOTED

2AE235

Schematic Design

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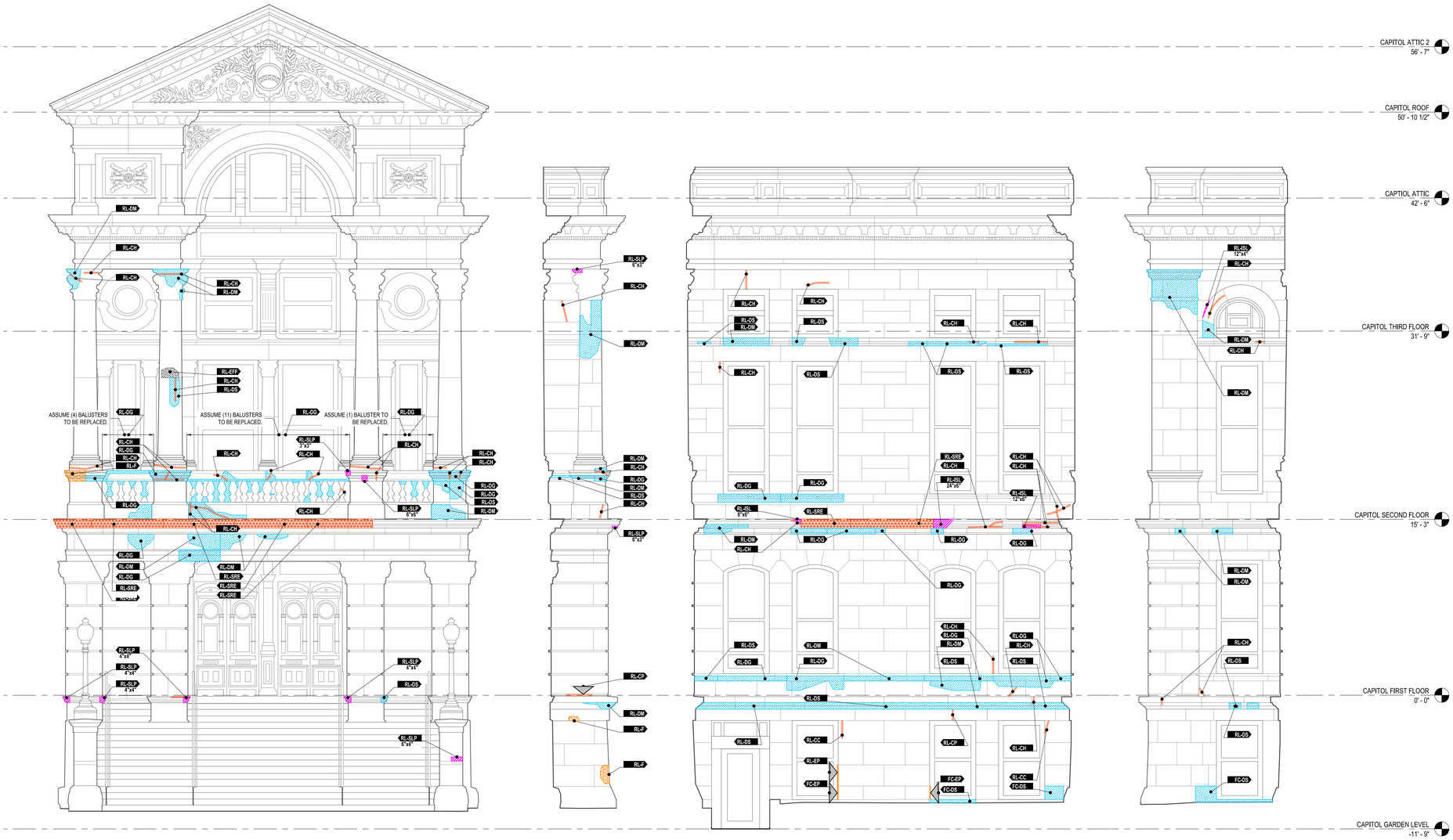
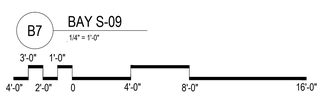
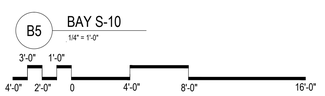


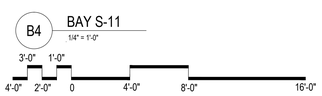
B7 BAY S-09
1/4" = 1'-0"



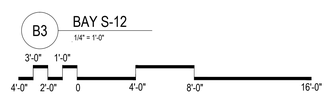
B5 BAY S-10
1/4" = 1'-0"



B4 BAY S-11
1/4" = 1'-0"



B3 BAY S-12
1/4" = 1'-0"



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CONSTRUCTION KEYNOTES

GRAPHIC LEGEND

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	SLF, SLFP	REPLACE STONE UNIT WITH NEW STONE UNIT.
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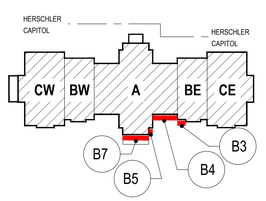
	GU	
	AS	
	BS	

KEY PLAN



State of Wyoming

Administration & Information
Construction Management

Capitol Square
Rehabilitation and Restoration
State of Wyoming A&I Construction Management

HDR PDP RLA ASSOCIATES

PRELIMINARY
NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION
1	2014/12/19	SD OWNER REVIEW

PROJECT NUMBER	203619
ORIGINAL ISSUE	- - -
PKG. IDENTIFIER	2

EXTERIOR MASONRY REPAIRS AT SOUTH ELEVATION BAYS

SCALE: AS NOTED

2AE236

Schematic Design

P:\13.001_Wyoming State Capitol\07_Drawings\07_01_CADD Drawings\03_Schematic Design\2AE210a_Exterior Repairs ELEVATIONS South.dwg
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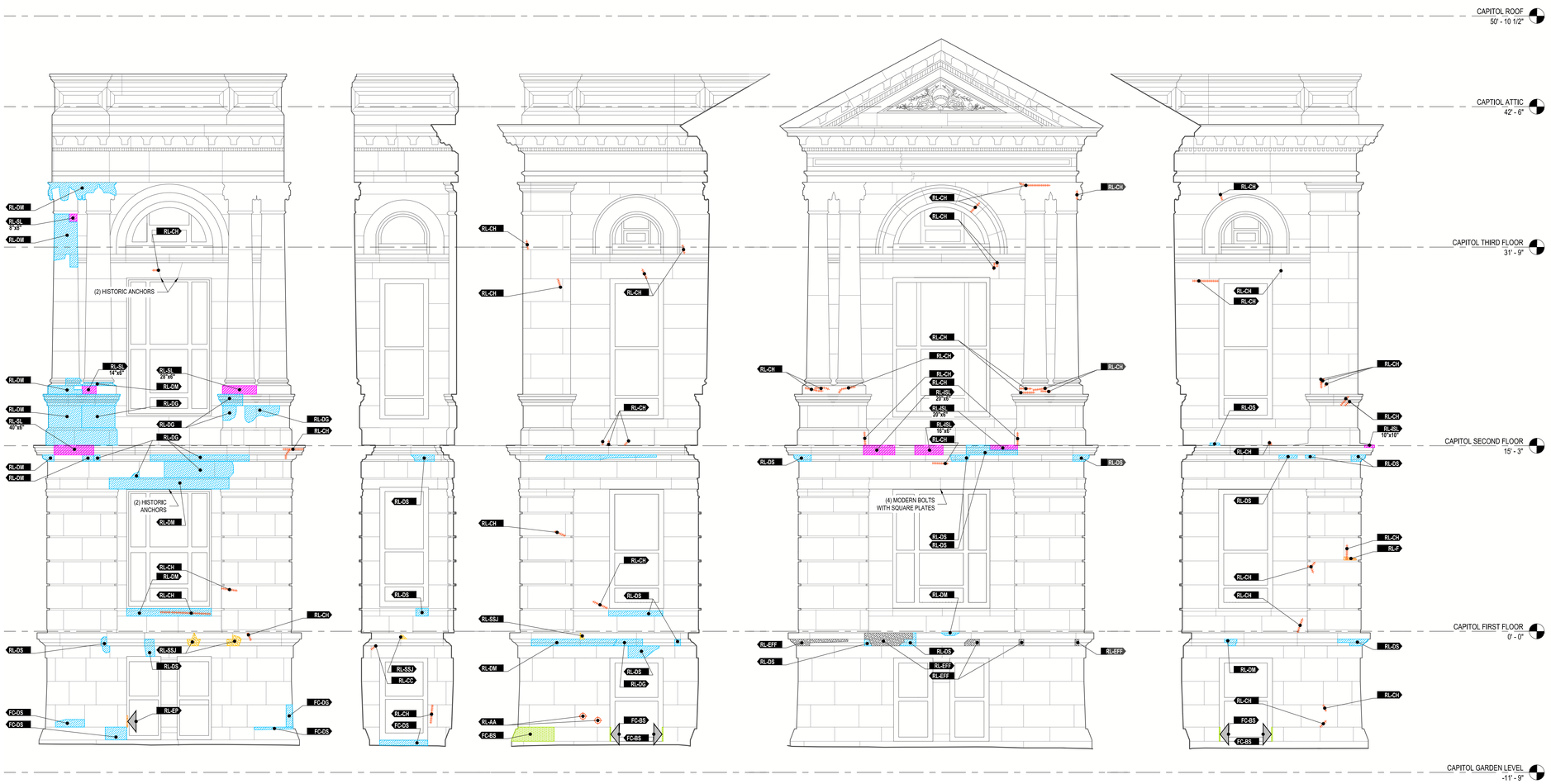
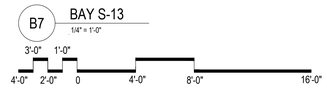
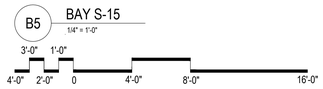


B7 BAY S-13 — 1/4" = 1'-0"

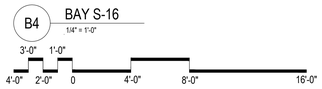


B6 BAY S-14 — 1/4" = 1'-0"

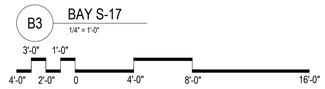
B5 BAY S-15 — 1/4" = 1'-0"



B4 BAY S-16 — 1/4" = 1'-0"



B3 BAY S-17 — 1/4" = 1'-0"



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	JD; JI; JW	REPOINT 100% OF THE STONE MASONRY. INSTALL LEAD JOINT COVERS AT ALL SKYWARD FACING JOINTS AT THE CORNICES AND OTHER WIDE PROJECTING ELEMENTS.
DISPLACEMENT		
	UD	REMOVE AND REPOSITION STONE UNIT IN CORRECT CONFIGURATION AND IN ALIGNMENT WITH ADJACENT STONES.
SPALLS		
	SS; SSP; SSC; SSJ	SMALL SPALL [LESS THAN 2 INCHES SQUARE, LESS THAN 1/2 INCHES DEEP]. REPAIR WITH COMPOSITE PATCH MATERIAL.
	SL; SLP; SLC; SLJ; ISL; ISLP; ISLC	LARGE SPALL [GREATER THAN 2 INCHES SQUARE, GREATER THAN 1/2-INCH DEEP]. REPAIR WITH STONE DUTCHMAN.
	SLF, SLFP	REPLACE STONE UNIT WITH NEW STONE UNIT.
	SRE	REPLACE DAMAGED, DETERIORATED OR MISSING STONE UNIT WITH NEW STONE UNIT.
DELAMINATION		
	DS	TOOL STONE UNITS.
	DM	TOOL STONE UNITS OR PROVIDE STONE DUTCHMAN REPAIR. ASSUME 30% OF THESE REPAIRS WILL BE STONE DUTCHMAN REPAIRS.
	DG	REPLACE STONE UNIT.
PREVIOUS REPAIRS		
	F; C; P	REPLACE PATCHES LESS THAN 2 INCHES SQUARE WITH COMPOSITE PATCH MATERIAL.
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ANCHORS		
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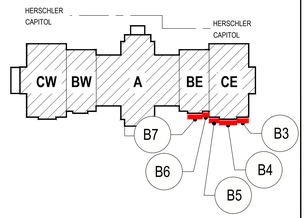
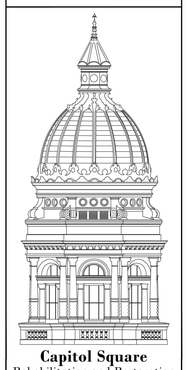
	AS	
	BS	

KEY PLAN



State of Wyoming

Administration & Information
Construction Management



Capitol Square
Rehabilitation and Restoration
State of Wyoming A&I Construction Management

HDR PDP PLAN ARCHITECT

PRELIMINARY
NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION
1	2014/12/19	SD OWNER REVIEW

PROJECT NUMBER	203619
ORIGINAL ISSUE	- - -
PKG. IDENTIFIER	2

EXTERIOR MASONRY REPAIRS AT SOUTH ELEVATION BAYS

SCALE: AS NOTED

2AE237

Schematic Design

P:\13.001 Wyoming State Capitol\07_Drawings\07_01_CADD Drawings\03_Schematic Design\2AE210a_Exterior Repairs ELEVATIONS South.dwg
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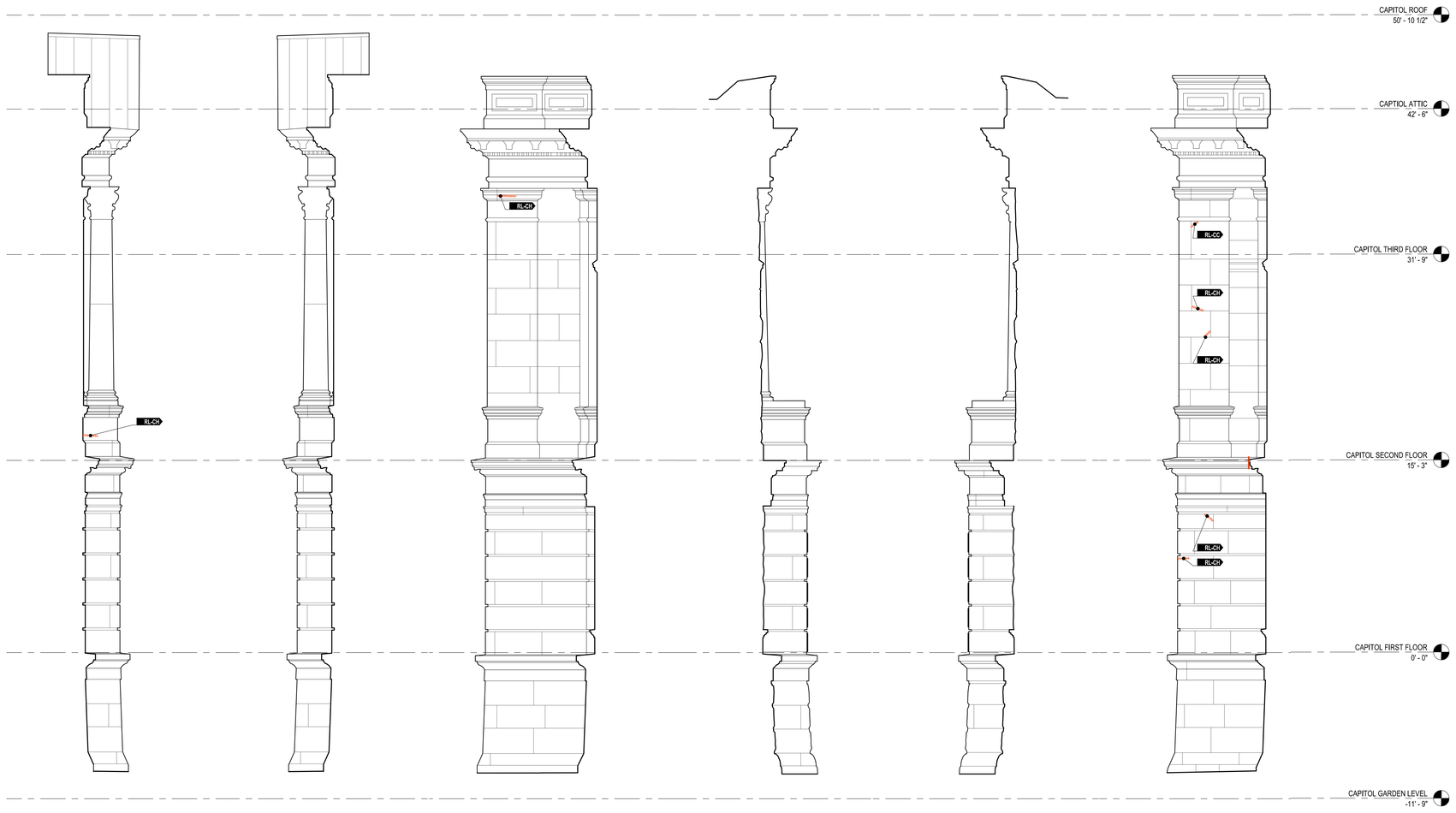

B7 RETURN S-02a — 1/4" = 1'-0"

B6 RETURN S-02b — 1/4" = 1'-0"

B5 RETURN S-03a — 1/4" = 1'-0"

B4 RETURN S-05a — 1/4" = 1'-0"

B3 RETURN S-05b — 1/4" = 1'-0"

B2 RETURN S-06a — 1/4" = 1'-0"

KEY - EXTERIOR REPAIR ANNOTATION

MATERIAL ABBREVIATION — REPAIR ABBREVIATION

RL-SSP

MATERIAL

ABBREVIATION	MATERIAL
RL	RAWLIN'S SANDSTONE
FC	FORT COLLINS SANDSTONE

REPAIR

HATCH	ABBREVIATION	REPAIR
CRACKS		
	CC; CP; CH; CJ	AT AN ASSUMED 70% OF CRACKED STONES, REPAIR BY CUTTING OUT THE CRACK AND INSTALLING MORTAR OR CEMENTITIOUS GROUT.
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	BS	

GENERAL NOTES

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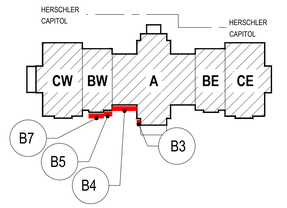
CONSTRUCTION KEYNOTES

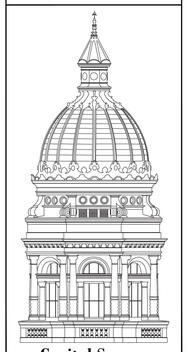
GRAPHIC LEGEND

KEY PLAN



State of Wyoming

Administration & Information
Construction Management



Capitol Square
Rehabilitation and Restoration
State of Wyoming A&I Construction Management

HDR PDP PLAN ARCHITECT

PRELIMINARY
NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION
1	2014/12/19	SD OWNER REVIEW

PROJECT NUMBER	203019
ORIGINAL ISSUE	- -
PKG. IDENTIFIER	2

EXTERIOR MASONRY REPAIRS AT SOUTH ELEVATION RETURNS

SCALE: AS NOTED

2AE238

Schematic Design

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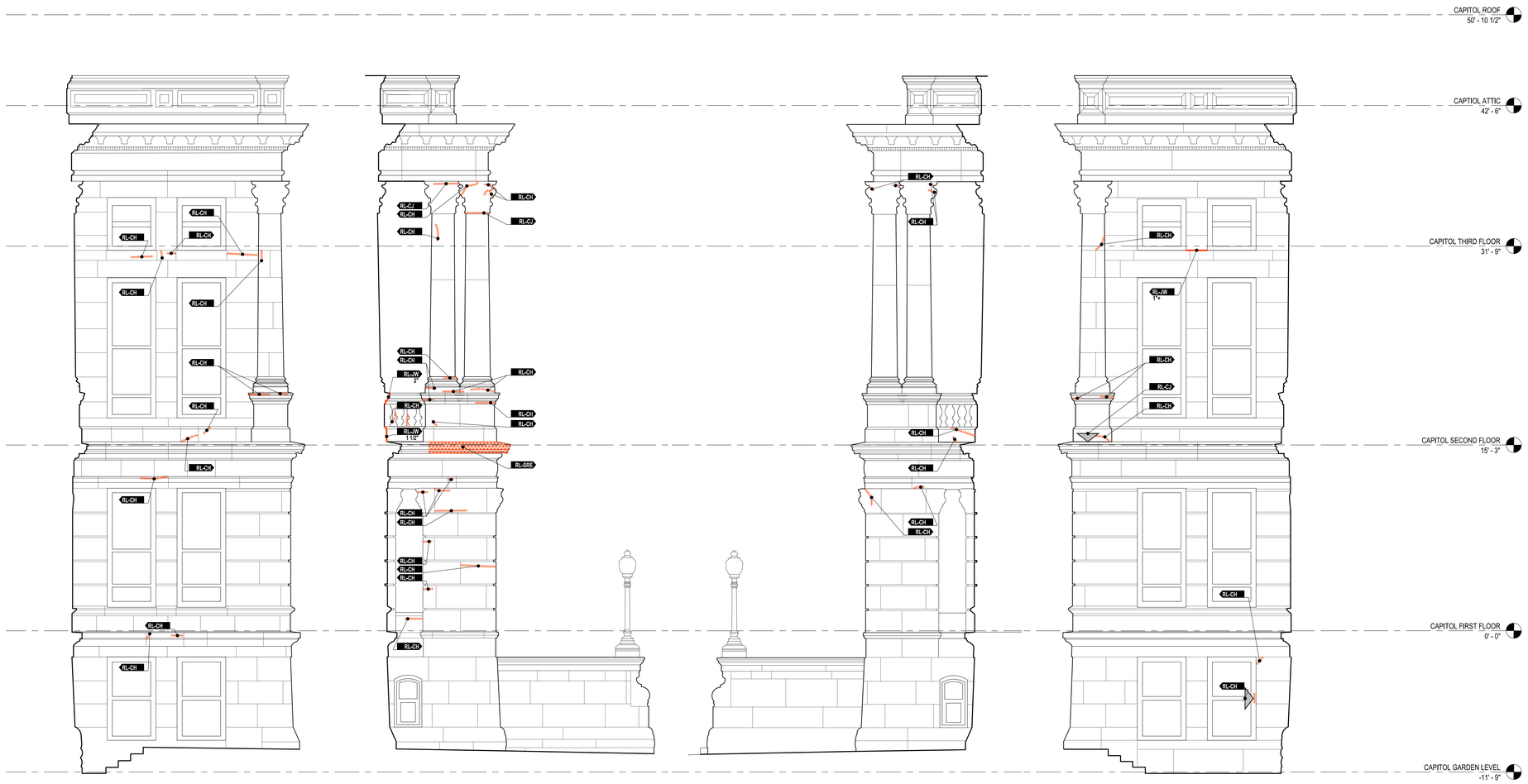

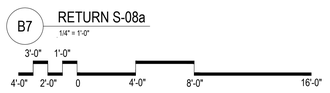

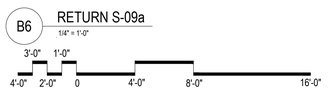

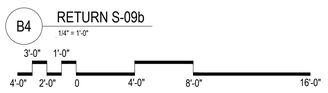

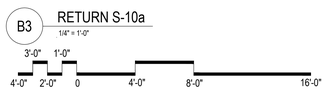

KEY - EXTERIOR REPAIR ANNOTATION

MATERIAL ABBREVIATION — REPAIR ABBREVIATION

RL-SSP

MATERIAL

ABBREVIATION	MATERIAL
RL	RAWLIN'S SANDSTONE
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	AS	THE ANNOTATED STAINING CONDITIONS INCLUDE: EFFLORESCENCE [**EFF**]; GUANO [**GU**]; ATMOSPHERIC STAINING [**AS**]; BIOLOGICAL STAINING [**BS**].
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GENERAL NOTES

GENERAL NOTES - EXTERIOR MASONRY REPAIRS

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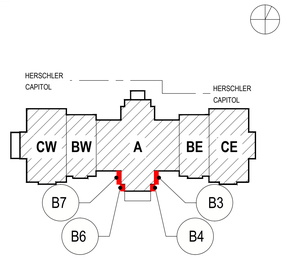
CONSTRUCTION KEYNOTES

GRAPHIC LEGEND

KEY PLAN



State of Wyoming

Administration & Information
Construction Management

Capitol Square
Rehabilitation and Restoration
State of Wyoming A&I Construction Management

HDR PDP PLAN ARCHITECT

PRELIMINARY
NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION
1	2014/12/19	SD OWNER REVIEW

PROJECT NUMBER **203619**
ORIGINAL ISSUE - -
PKG. IDENTIFIER **2**

EXTERIOR MASONRY REPAIRS AT SOUTH ELEVATION RETURNS

SCALE AS NOTED

2AE239

Schematic Design

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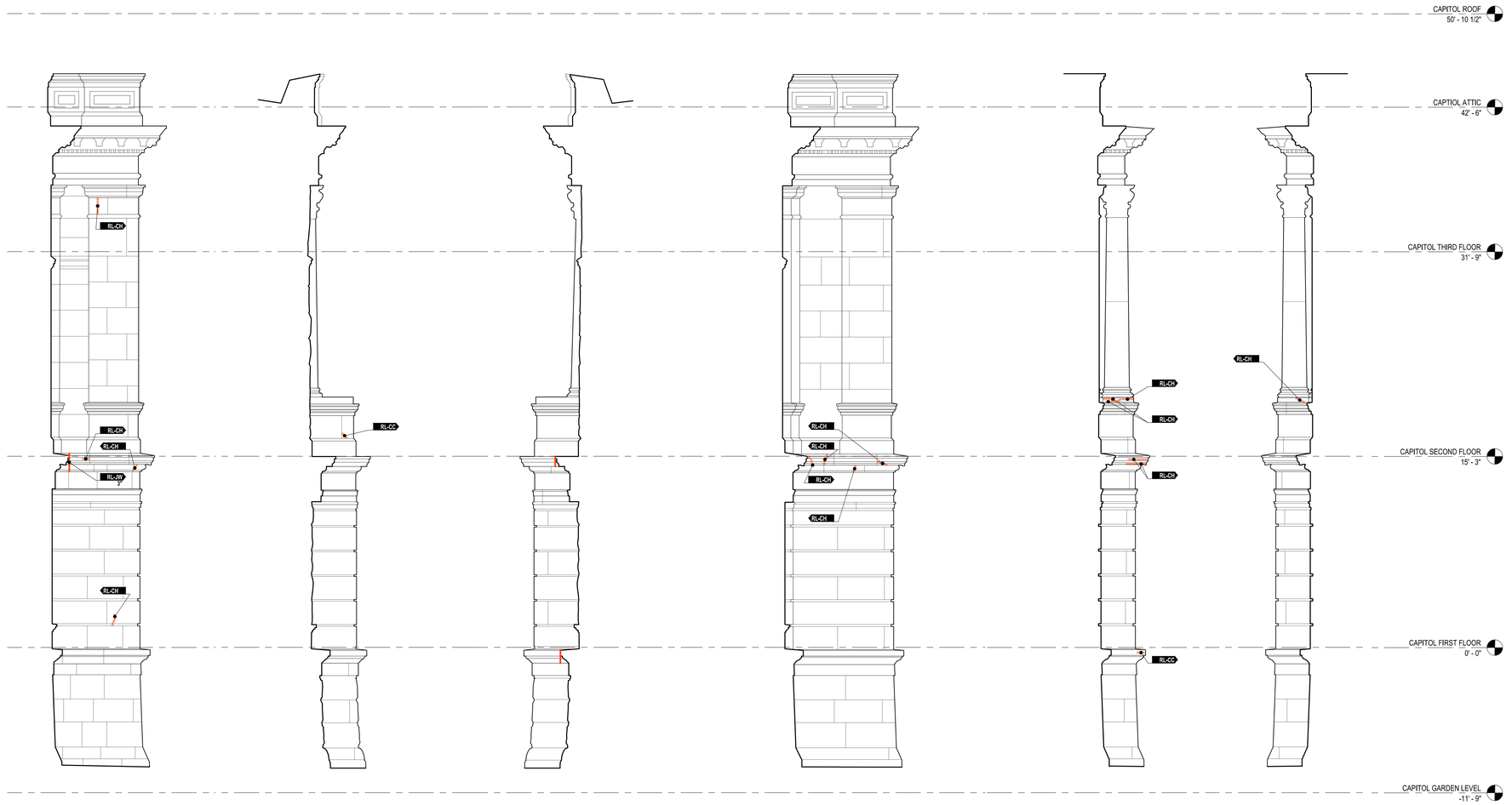

B7 RETURN S-12a 1/4" = 1'-0"

B6 RETURN S-13a 1/4" = 1'-0"

B5 RETURN S-13b 1/4" = 1'-0"

B4 RETURN S-15a 1/4" = 1'-0"

B3 RETURN S-16a 1/4" = 1'-0"

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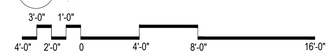

KEY - EXTERIOR REPAIR ANNOTATION

MATERIAL ABBREVIATION – REPAIR ABBREVIATION (RL-SSP)

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CONSTRUCTION KEYNOTES

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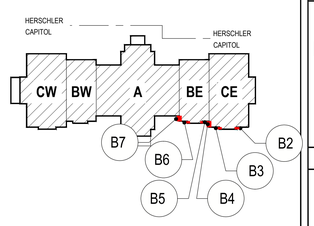

State of Wyoming

Administration & Information
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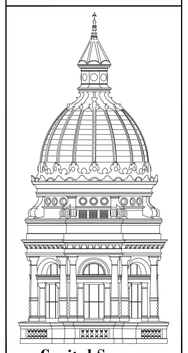

Capitol Square
Rehabilitation and Restoration
State of Wyoming A&I Construction Management

HDR PDP RLA

PRELIMINARY
NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION
1	2014/12/19	SD OWNER REVIEW

PROJECT NUMBER 203619
ORIGINAL ISSUE - -
PKG. IDENTIFIER 2

EXTERIOR MASONRY REPAIRS AT SOUTH ELEVATION RETURNS

SCALE AS NOTED

2AE240

Schematic Design

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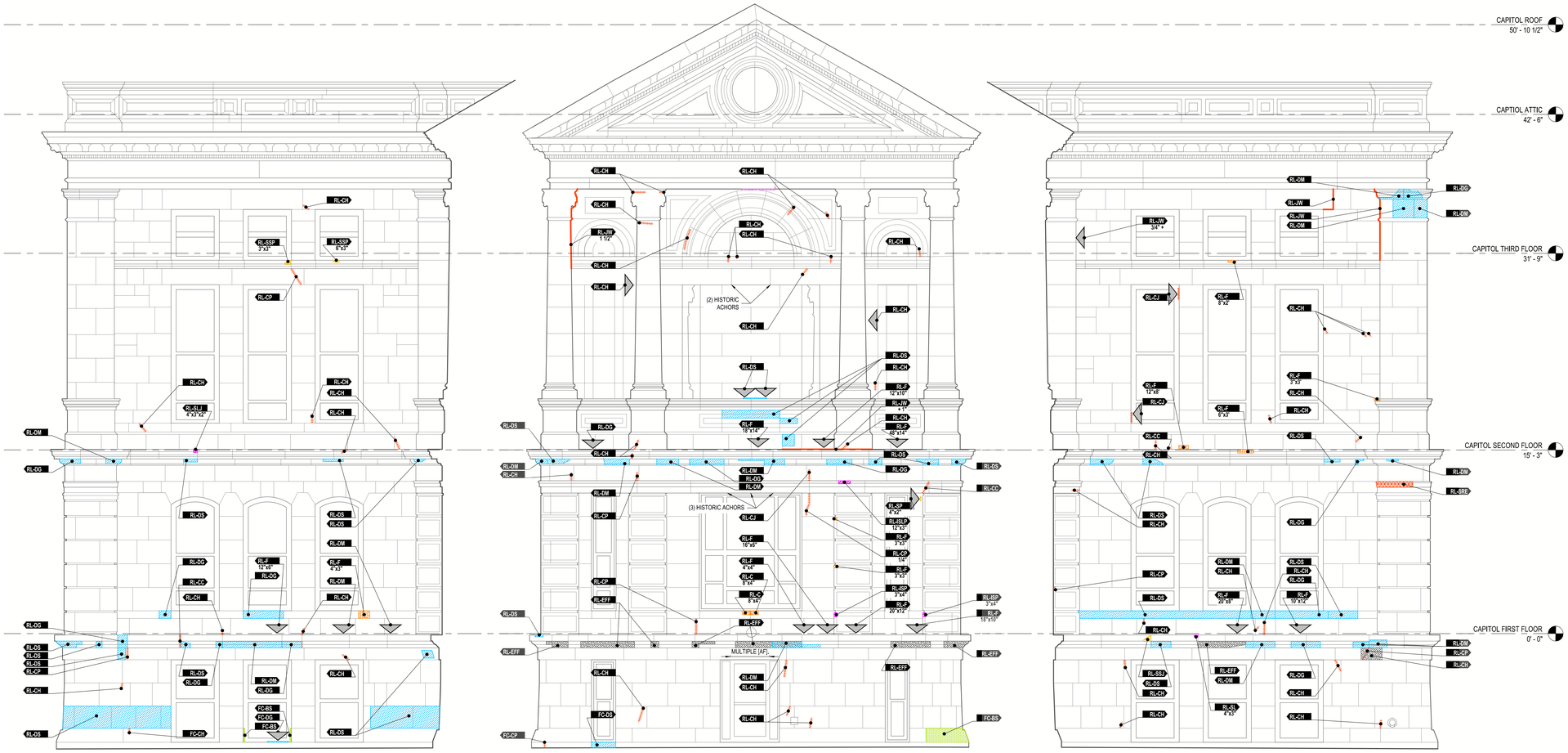

B7 BAY E-18
1/4" = 1'-0"
3'-0" 1'-0"
4'-0" 2'-0" 0 4'-0" 8'-0" 16'-0"

B5 BAY E-19
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4'-0" 2'-0" 0 4'-0" 8'-0" 16'-0"

B3 BAY E-20
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DELAMINATION		
	DS	TOOL STONE UNITS.
	DM	TOOL STONE UNITS OR PROVIDE STONE DUTCHMAN REPAIR. ASSUME 30% OF THESE REPAIRS WILL BE STONE DUTCHMAN REPAIRS.
	DG	REPLACE STONE UNIT.
PREVIOUS REPAIRS		
	F; C; P	REPLACE PATCHES LESS THAN 2 INCHES SQUARE WITH COMPOSITE PATCH MATERIAL.
		REPLACE PATCHES GREATER THAN 2 INCHES SQUARE WITH DUTCHMAN REPAIRS OR NEW STONE UNITS DEPENDING UPON THE SIZE OF THE PATCH. IF THE EXISTING PATCH IS 35% OF THE STONE UNIT OR GREATER, REPLACE THE STONE UNIT WITH NEW STONE.
	FD	REPLACE WITH NEW STONE DUTCHMAN REPAIR.
	EDJO	REPOINT JOINTS AT EXISTING DUTCHMAN.
ANCHORS		
	AA	REMOVE THE ANCHORS AND PATCH STONE WITH COMPOSITE PATCH MATERIAL
	AF	REPLACE FERROUS ANCHORS WITH STAINLESS STEEL ANCHORS.
SOILING		
	EFF	THE DESIGN TEAM RECOMMENDS CONDUCTING CLEANING TESTS TO DETERMINE THE GENTLEST METHODS AVAILABLE TO CLEAN THE STONE. ASSUME THE SOILING WILL BE REMOVED USING CHEMICAL CLEANERS WITH LOW PRESSURE WASH.
	GU	THE ANNOTATED STAINING CONDITIONS INCLUDE: EFFLORESCENCE [**EFF**]; GUANO [**GU**]; ATMOSPHERIC STAINING [**AS**]; BIOLOGICAL STAINING [**BS**].
	AS	
	BS	

GENERAL NOTES

GENERAL NOTES - EXTERIOR MASONRY REPAIRS

- REPOINT 100% OF MASONRY JOINTS. INSTALL LEAD JOINT COVERS AT ALL SKYWARD FACING JOINTS AT THE CORNICES AND WIDE PROJECTING ELEMENTS.
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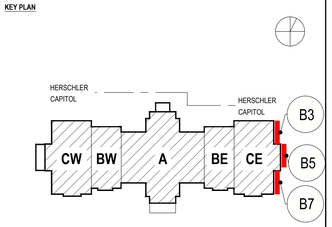
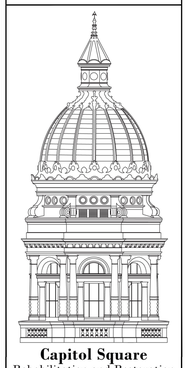
CONSTRUCTION KEYNOTES

GRAPHIC LEGEND

KEY PLAN



State of Wyoming
Administration & Information
Construction Management



Capitol Square
Rehabilitation and Restoration
State of Wyoming A&I Construction Management
HDR PDP RLA

PRELIMINARY
NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION
1	2014/12/19	SD OWNER REVIEW

PROJECT NUMBER 203619
ORIGINAL ISSUE - -
PKG. IDENTIFIER 2

EXTERIOR MASONRY REPAIRS AT EAST ELEVATION BAYS

SCALE AS NOTED

2AE241

Schematic Design

P:\13.001 Wyoming State Capitol\07_Drawings\07_01_CADD Drawings\03_Schematic Design\2AE21Dg_Exterior Repairs ELEVATIONS East.dwg
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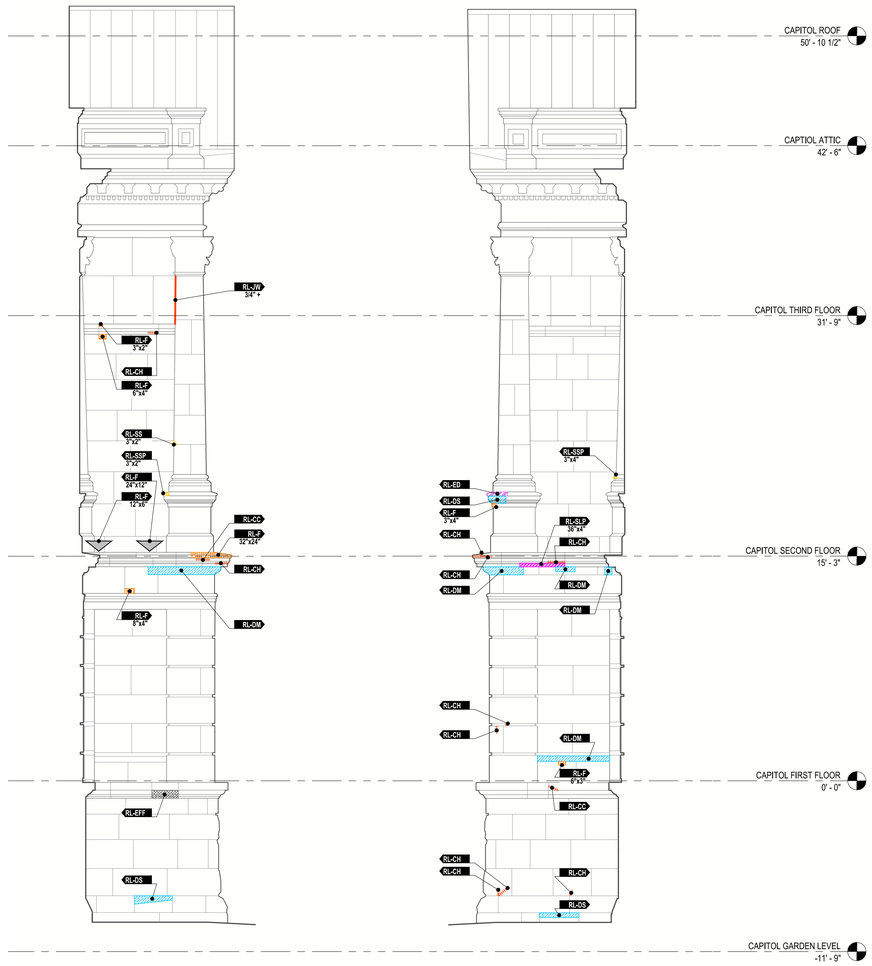

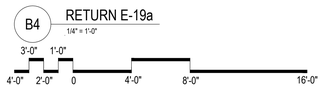

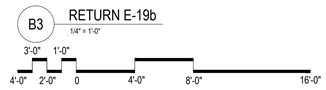

KEY - EXTERIOR REPAIR ANNOTATION

MATERIAL ABBREVIATION — REPAIR ABBREVIATION (e.g. RL-SSP)

MATERIAL

ABBREVIATION	MATERIAL
RL	RAWLIN'S SANDSTONE
FC	FORT COLLINS SANDSTONE

REPAIR

HATCH	ABBREVIATION	REPAIR
CRACKS		
	CC; CP; CH; CJ	AT AN ASSUMED 70% OF CRACKED STONES, REPAIR BY CUTTING OUT THE CRACK AND INSTALLING MORTAR OR CEMENTITIOUS GROUT.
		AT AN ASSUMED 20% OF THE CRACKS, CUT OUT THE CRACKED STONE AND INSTALL DUTCHMAN.
		AT AN ASSUMED 10% OF THE CRACKS, PIN THE CRACKS AS REQUIRED.
		REPLACE ALL OF THE CRACKED STONE LINTELS WITH NEW STONE UNITS.
JOINTS		
	JD; JI; JW	REPOINT 100% OF THE STONE MASONRY. INSTALL LEAD JOINT COVERS AT ALL SKYWARD FACING JOINTS AT THE CORNICES AND OTHER WIDE PROJECTING ELEMENTS.
DISPLACEMENT		
	UD	REMOVE AND REPOSITION STONE UNIT IN CORRECT CONFIGURATION AND IN ALIGNMENT WITH ADJACENT STONES.
SPALLS		
	SS; SSP; SSC; SSJ	SMALL SPALL [LESS THAN 2 INCHES SQUARE, LESS THAN 1/2 INCHES DEEP]. REPAIR WITH COMPOSITE PATCH MATERIAL.
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	AS	THE ANNOTATED STAINING CONDITIONS INCLUDE: EFFLORESCENCE [**EFF**]; GUANO [**GU**]; ATMOSPHERIC STAINING [**AS**]; BIOLOGICAL STAINING [**BS**].
	BS	

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CONSTRUCTION KEYNOTES

GRAPHIC LEGEND

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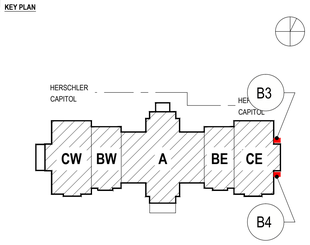
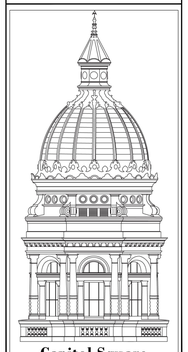


State of Wyoming
Administration & Information
Construction Management



Capitol Square
Rehabilitation and Restoration
State of Wyoming A&I Construction Management

PRELIMINARY
NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION
1	2014/12/19	SD OWNER REVIEW

PROJECT NUMBER	203619
ORIGINAL ISSUE	- -
PKG. IDENTIFIER	2

EXTERIOR MASONRY REPAIRS AT EAST ELEVATION RETURNS

SCALE: AS NOTED

2AE242

Schematic Design

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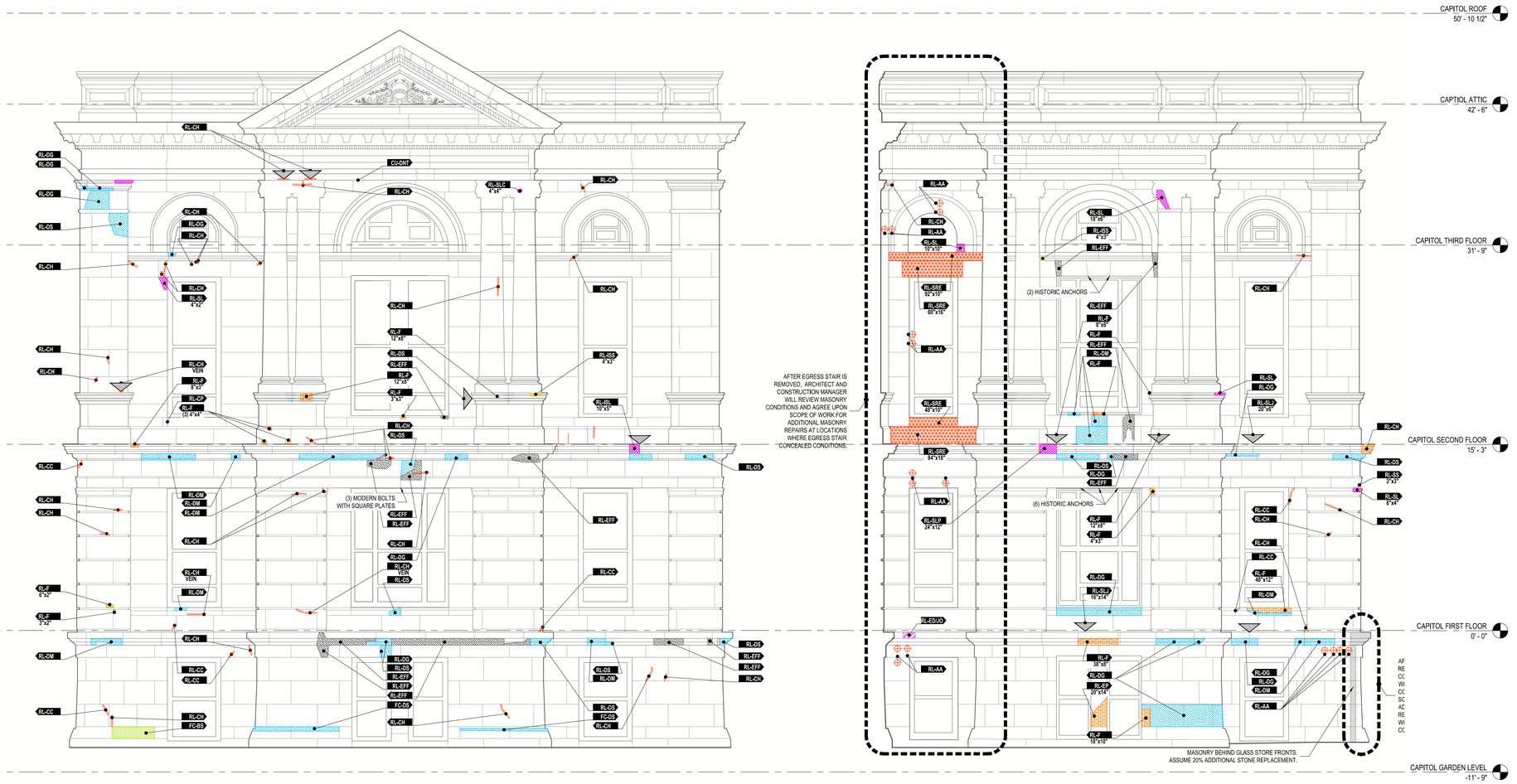
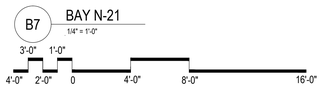
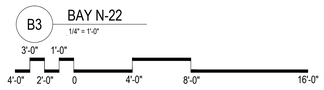


B7 BAY N-21
1/4" = 1'-0"



B3 BAY N-22
1/4" = 1'-0"



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CONSTRUCTION KEYNOTES

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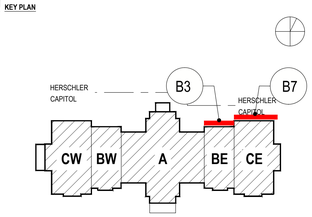

KEY - EXTERIOR REPAIR ANNOTATION

MATERIAL ABBREVIATION — REPAIR ABBREVIATION (RL-SSP)

MATERIAL

ABBREVIATION	MATERIAL
RL	RAWLIN'S SANDSTONE
FC	FORT COLLINS SANDSTONE

REPAIR

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SPALLS		
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	SL; SLP; SLC; SLJ; ISL; ISLP; ISLC	LARGE SPALL [GREATER THAN 2 INCHES SQUARE, GREATER THAN 1/2-INCH DEEP]. REPAIR WITH STONE DUTCHMAN.
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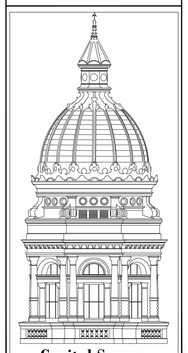
	AS	
	BS	

State of Wyoming

Administration & Information
Construction Management



Capitol Square
Rehabilitation and Restoration
State of Wyoming A&I Construction Management

HDR PDP PLAN ARCHITECTURE

PRELIMINARY
NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION
1	2014/12/19	SD OWNER REVIEW

PROJECT NUMBER	203619
ORIGINAL ISSUE	- -
PKG. IDENTIFIER	2

EXTERIOR MASONRY REPAIRS AT NORTH ELEVATION BAYS

SCALE: AS NOTED

2AE243

Schematic Design

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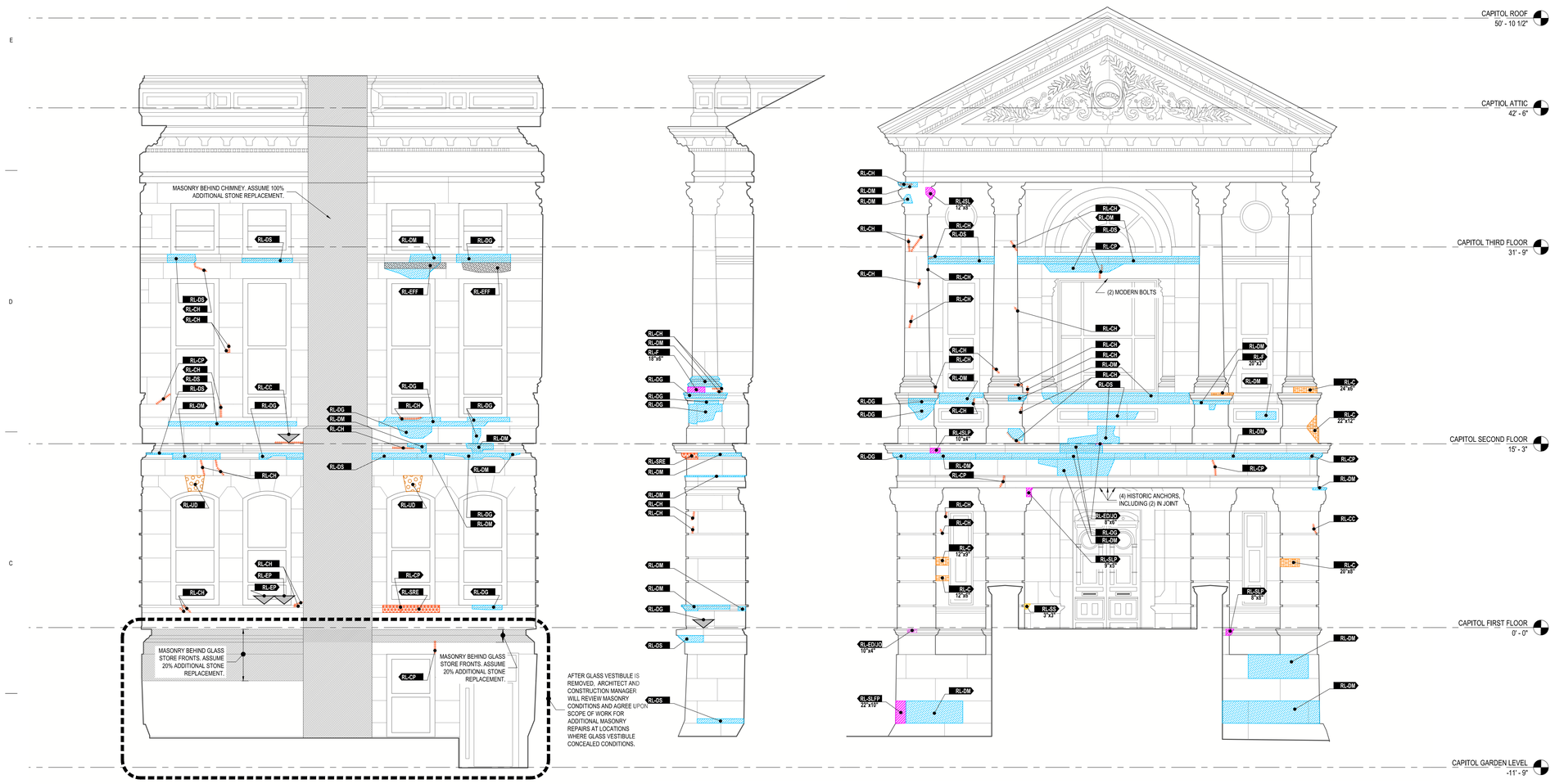

B7 BAY N-23 1/4" = 1'-0"

3'-0" 1'-0" 4'-0" 2'-0" 0 4'-0" 8'-0" 16'-0"

B5 BAY N-24 1/4" = 1'-0"

3'-0" 1'-0" 4'-0" 2'-0" 0 4'-0" 8'-0" 16'-0"

B4 BAY N-25 1/4" = 1'-0"

3'-0" 1'-0" 4'-0" 2'-0" 0 4'-0" 8'-0" 16'-0"

GENERAL NOTES

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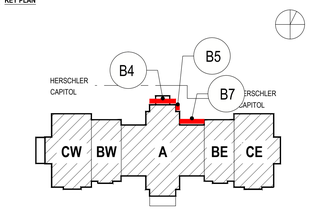
CONSTRUCTION KEYNOTES

GRAPHIC LEGEND

KEY PLAN



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State of Wyoming

Administration & Information
Construction Management

Capitol Square
Rehabilitation and Restoration
State of Wyoming A&I Construction Management

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PRELIMINARY
NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION
1	2014/12/19	SD OWNER REVIEW

PROJECT NUMBER	203619
ORIGINAL ISSUE	- -
PKG. IDENTIFIER	2

EXTERIOR MASONRY REPAIRS AT NORTH ELEVATION BAYS

SCALE AS NOTED

2AE244

Schematic Design

P:\13.001_Wyoming State Capitol\07_Drawings\07_01_CADD Drawings\03_Schematic Design\2AE21fs_Exterior Repairs ELEVATIONS North.dwg
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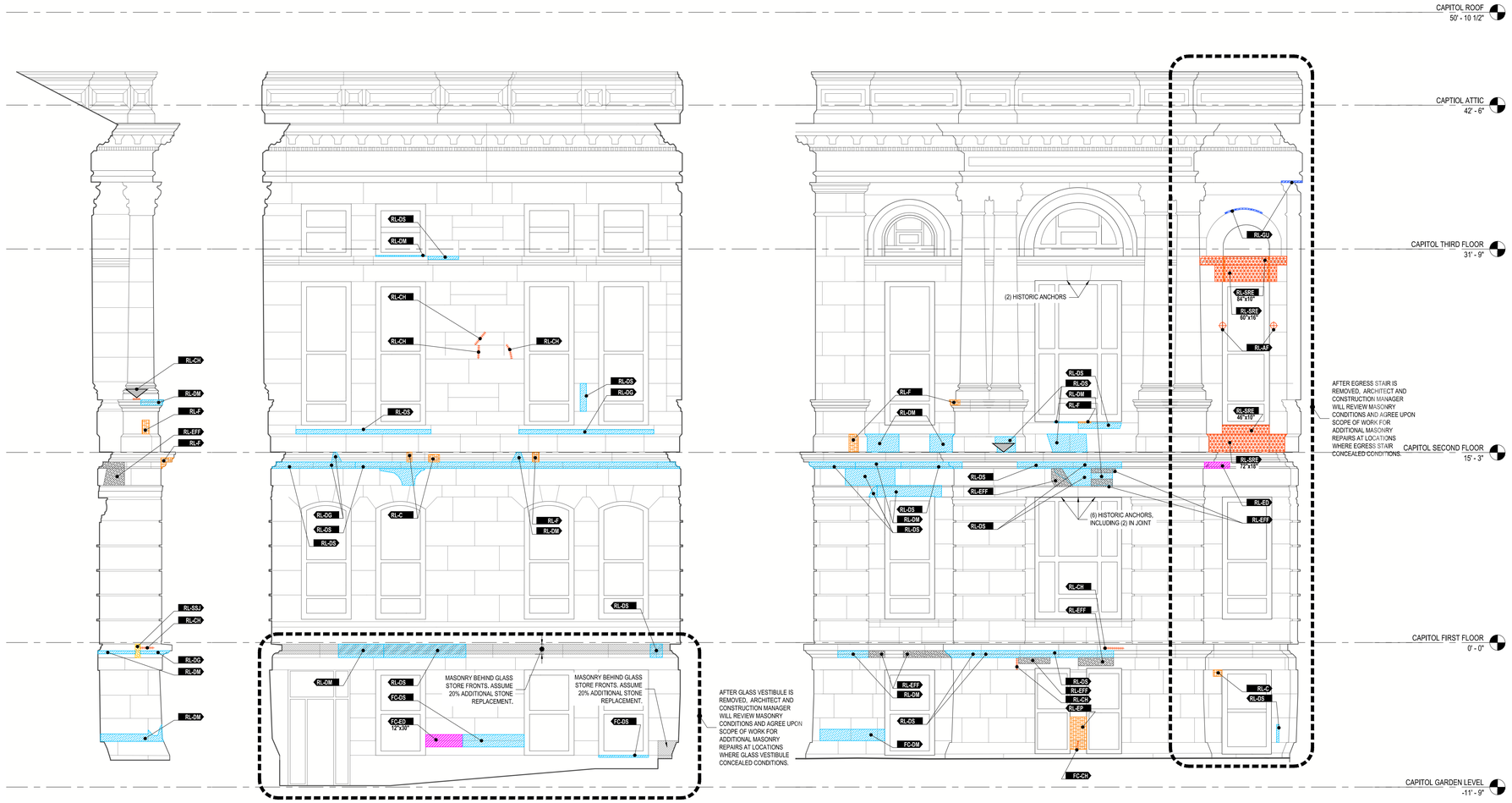

B7 BAY N-26
1/4" = 1'-0"

B5 BAY N-27
1/4" = 1'-0"

B4 BAY N-28
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CONSTRUCTION KEYNOTES

GRAPHIC LEGEND

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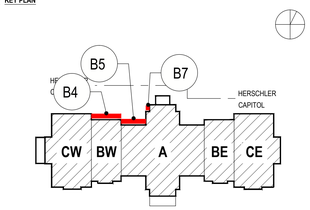
		REPLACE PATCHES GREATER THAN 2 INCHES SQUARE WITH DUTCHMAN REPAIRS OR NEW STONE UNITS DEPENDING UPON THE SIZE OF THE PATCH. IF THE EXISTING PATCH IS 35% OF THE STONE UNIT OR GREATER, REPLACE THE STONE UNIT WITH NEW STONE.
	FD	REPLACE WITH NEW STONE DUTCHMAN REPAIR.
	EDJO	REPOINT JOINTS AT EXISTING DUTCHMAN.
ANCHORS		
	AA	REMOVE THE ANCHORS AND PATCH STONE WITH COMPOSITE PATCH MATERIAL
	AF	REPLACE FERROUS ANCHORS WITH STAINLESS STEEL ANCHORS.
SOILING		
	EFF	THE DESIGN TEAM RECOMMENDS CONDUCTING CLEANING TESTS TO DETERMINE THE GENTLEST METHODS AVAILABLE TO CLEAN THE STONE. ASSUME THE SOILING WILL BE REMOVED USING CHEMICAL CLEANERS WITH LOW PRESSURE WASH.
	GU	THE ANNOTATED STAINING CONDITIONS INCLUDE: EFFLORESCENCE [EFF]; GUANO [GU]; ATMOSPHERIC STAINING [AS]; BIOLOGICAL STAINING [BS].
	AS	
	BS	

KEY PLAN



State of Wyoming
Administration & Information
Construction Management

Capitol Square
Rehabilitation and Restoration
State of Wyoming A&I Construction Management

PRELIMINARY
NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION
1	2014/12/19	SD OWNER REVIEW

PROJECT NUMBER	203619
ORIGINAL ISSUE	- -
PKG. IDENTIFIER	2

EXTERIOR MASONRY REPAIRS AT NORTH ELEVATION BAYS

SCALE: AS NOTED

2AE245

Schematic Design

P:\13.001 Wyoming State Capitol\07_Drawings\07_01_CADD Drawings\03_Schematic Design\2AE210s_Exterior Repairs ELEVATIONS North.dwg
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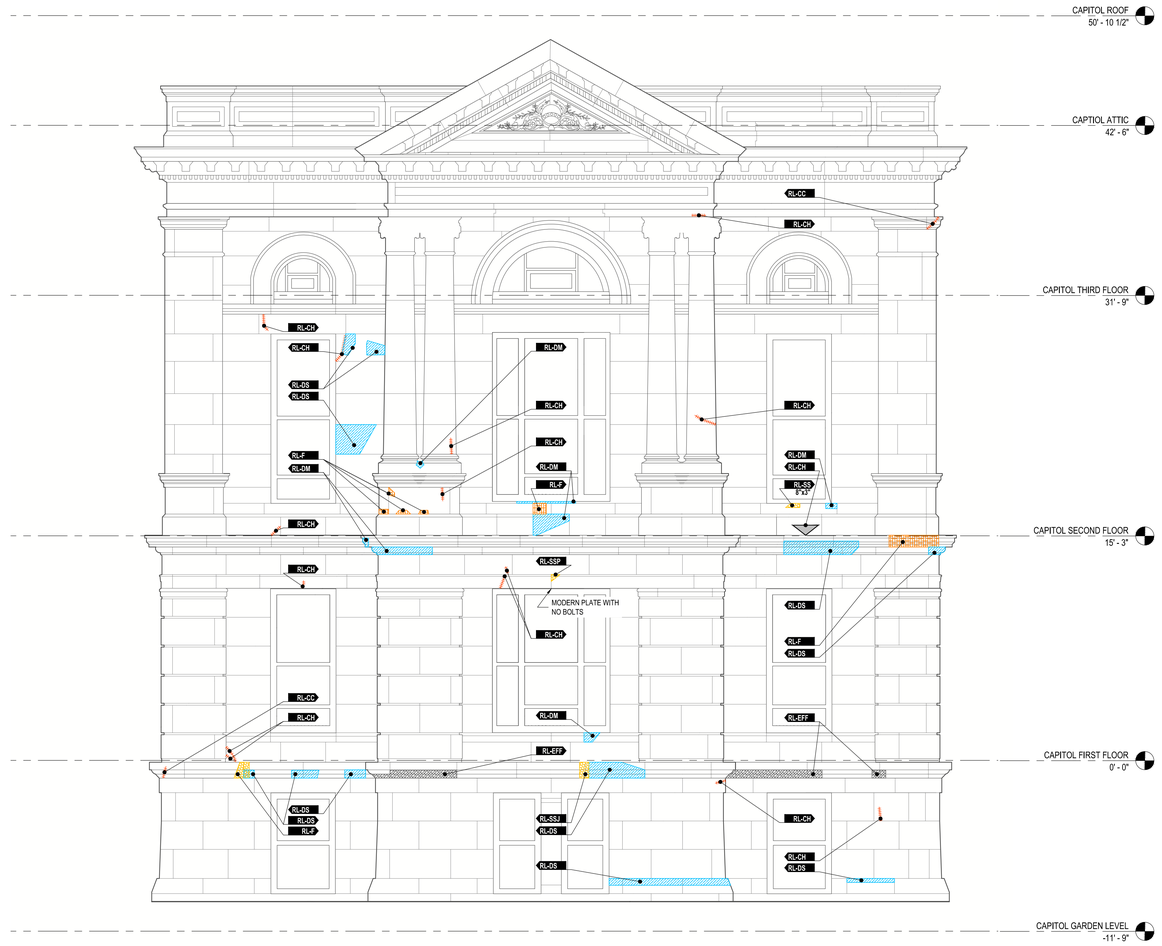

B4 BAY N-29
1/4" = 1'-0"

3'-0" 1'-0"
4'-0" 2'-0" 0 4'-0" 8'-0" 16'-0"

KEY - EXTERIOR REPAIR ANNOTATION

MATERIAL ABBREVIATION — REPAIR ABBREVIATION
RL-SSP

MATERIAL

ABBREVIATION	MATERIAL
RL	RAWLIN'S SANDSTONE
FC	FORT COLLINS SANDSTONE

REPAIR

HATCH	ABBREVIATION	REPAIR
CRACKS		
	CC; CP; CH; CJ	AT AN ASSUMED 70% OF CRACKED STONES, REPAIR BY CUTTING OUT THE CRACK AND INSTALLING MORTAR OR CEMENTITIOUS GROUT.
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		AT AN ASSUMED 10% OF THE CRACKS, PIN THE CRACKS AS REQUIRED.
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JOINTS		
	JD; JI; JW	REPOINT 100% OF THE STONE MASONRY. INSTALL LEAD JOINT COVERS AT ALL SKYWARD FACING JOINTS AT THE CORNICES AND OTHER WIDE PROJECTING ELEMENTS.
DISPLACEMENT		
	UD	REMOVE AND REPOSITION STONE UNIT IN CORRECT CONFIGURATION AND IN ALIGNMENT WITH ADJACENT STONES.
SPALLS		
	SS; SSP; SSC; SSJ	SMALL SPALL [LESS THAN 2 INCHES SQUARE, LESS THAN 1/2 INCHES DEEP]. REPAIR WITH COMPOSITE PATCH MATERIAL.
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DELAMINATION		
	DS	TOOL STONE UNITS.
	DM	TOOL STONE UNITS OR PROVIDE STONE DUTCHMAN REPAIR. ASSUME 30% OF THESE REPAIRS WILL BE STONE DUTCHMAN REPAIRS.
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	AS	
	BS	

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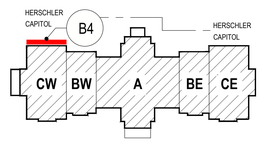
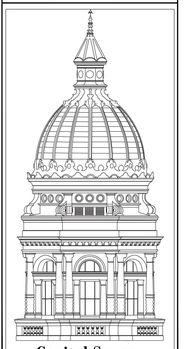
CONSTRUCTION KEYNOTES

GRAPHIC LEGEND

KEY PLAN



State of Wyoming
Administration & Information
Construction Management



Capitol Square
Rehabilitation and Restoration
State of Wyoming A&I Construction Management
HDR PDP PLAN

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EXTERIOR MASONRY REPAIRS AT NORTH ELEVATION BAYS

SCALE	AS NOTED

2AE246

Schematic Design

P:\13.001 - Wyoming State Capitol\07 - Drawings\07 .01 CADD Drawings\03_Schematic Design\2AE210a_Exterior Repairs ELEVATIONS North.dwg
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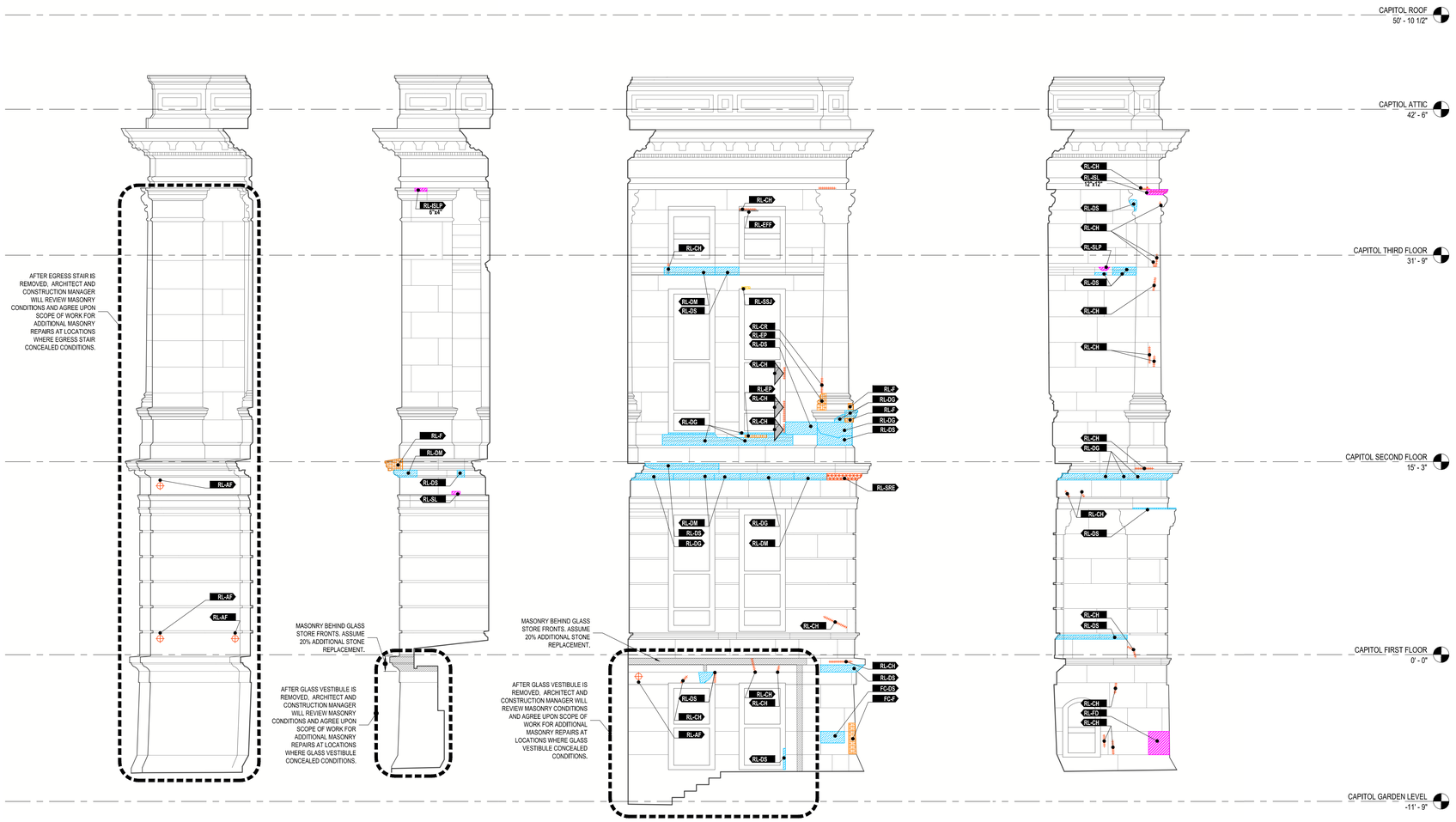

B7 RETURN N-21a 1/4" = 1'-0"

B5 RETURN N-22a 1/4" = 1'-0"

B4 RETURN N-24a 1/4" = 1'-0"

B3 RETURN N-25a 1/4" = 1'-0"

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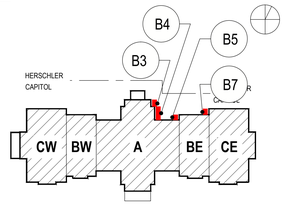

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RL-SSP

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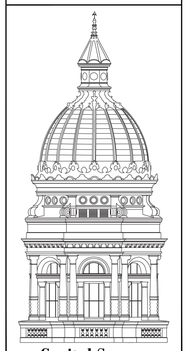
State of Wyoming

Administration & Information
Construction Management



Capitol Square
Rehabilitation and Restoration
State of Wyoming A&I Construction Management

HDR PDP PLAN ARCHITECT

PRELIMINARY
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PKG. IDENTIFIER	2

EXTERIOR MASONRY REPAIRS AT NORTH ELEVATION RETURNS

SCALE: AS NOTED

2AE247

Schematic Design

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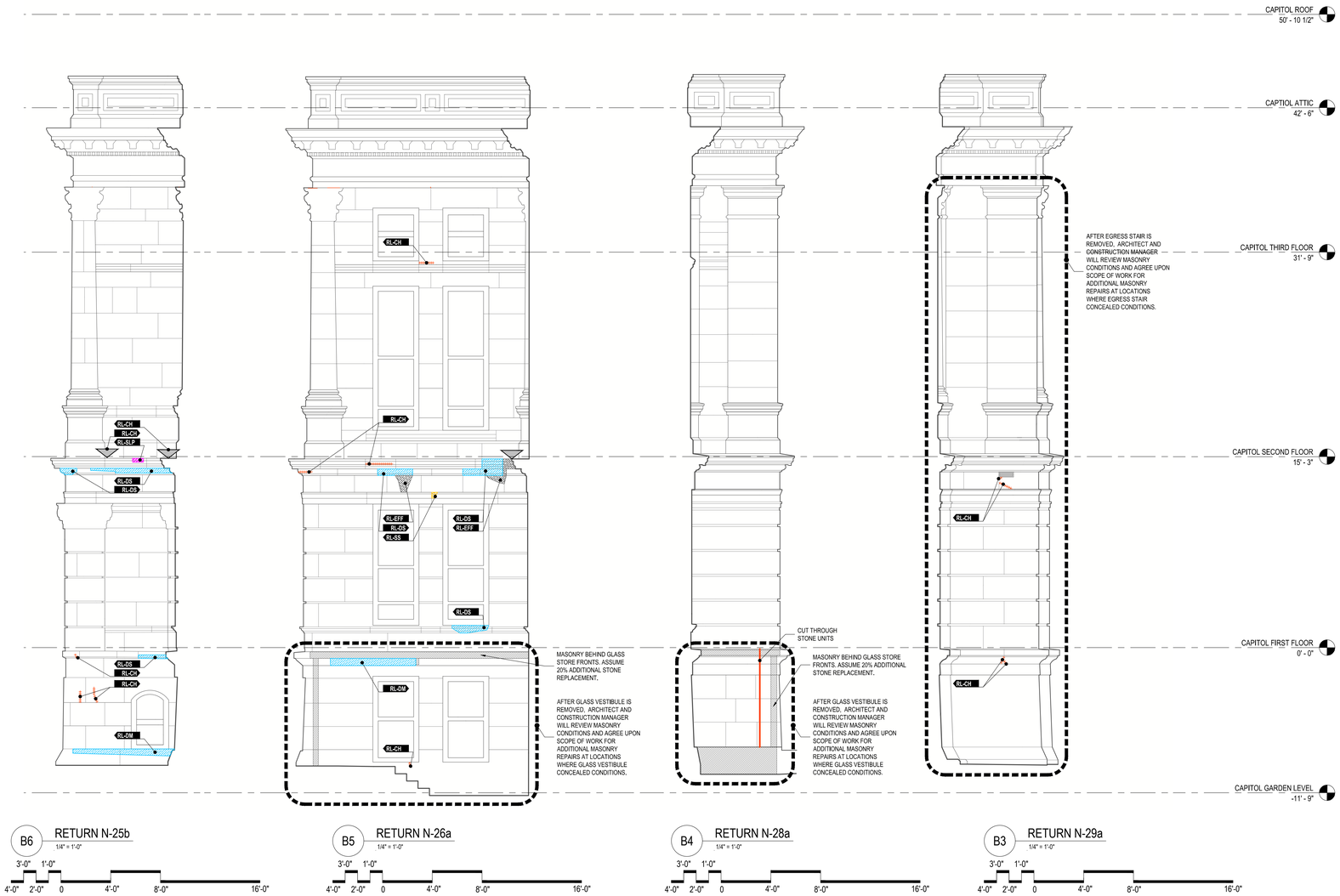


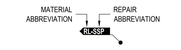
B6 RETURN N-25b
1/4" = 1'-0"

B5 RETURN N-26a
1/4" = 1'-0"

B4 RETURN N-28a
1/4" = 1'-0"

B3 RETURN N-29a
1/4" = 1'-0"

KEY - EXTERIOR REPAIR ANNOTATION



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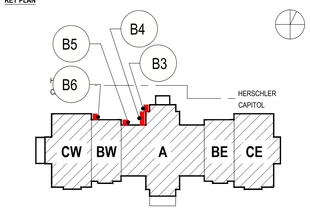
CONSTRUCTION KEYNOTES

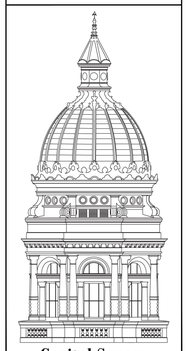
GRAPHIC LEGEND

KEY PLAN



State of Wyoming

Administration & Information
Construction Management



Capitol Square
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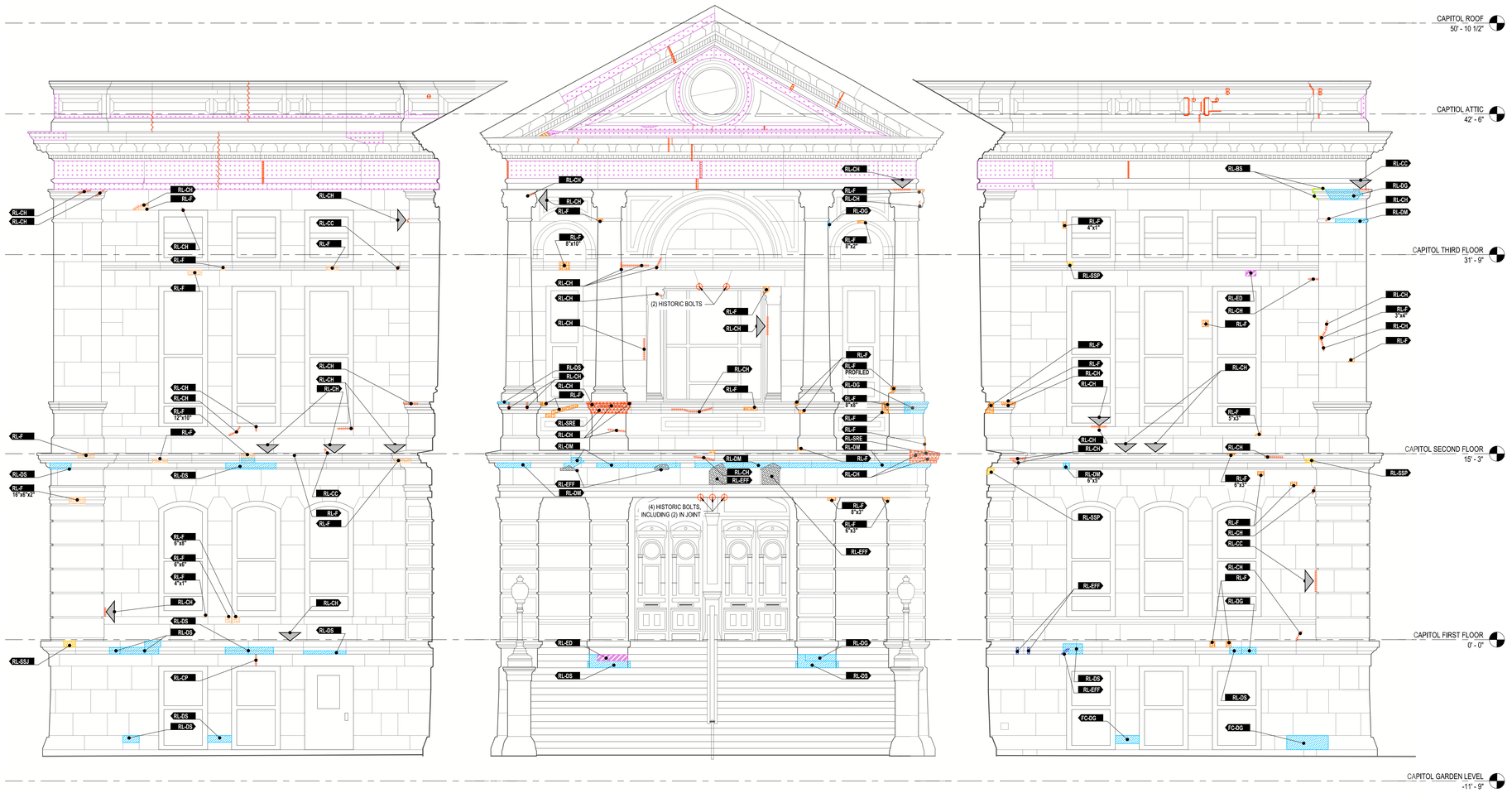
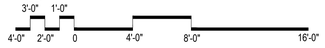
2AE248

Schematic Design

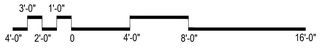
P:\13.001 Wyoming State Capitol\07_Drawings\07_01_CADD Drawings\03_Schematic Design\2AE210a_Exterior Repairs ELEVATIONS North Returns.dwg
12/15/2014 9:25:18 AM



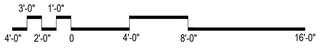
B7 BAY W-30
1/4" = 1'-0"



B5 BAY W-31
1/4" = 1'-0"



B3 BAY W-32
1/4" = 1'-0"



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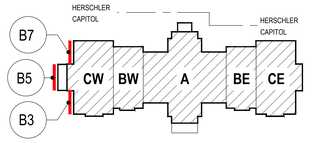

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	GU	THE ANNOTATED STAINING CONDITIONS INCLUDE: EFFLORESCENCE [**EFF**]; GUANO [**GU**]; ATMOSPHERIC STAINING [**AS**]; BIOLOGICAL STAINING [**BS**].
	AS	
	BS	

State of Wyoming

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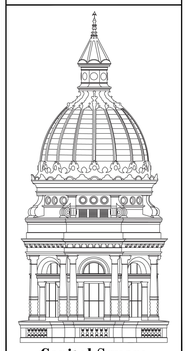

Capitol Square
Rehabilitation and Restoration
State of Wyoming A&I Construction Management

HDR PDP PLAN ARCHITECT

PRELIMINARY
NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION
1	2014/12/19	SD OWNER REVIEW

PROJECT NUMBER: **203619**
ORIGINAL ISSUE: **- - -**
PKG. IDENTIFIER: **2**

EXTERIOR MASONRY REPAIRS AT WEST ELEVATION BAYS

SCALE: AS NOTED

2AE249

Schematic Design

P:\13.001 Wyoming State Capitol\07_Drawings\07_01_CAD\Drawings\03_Schematic Design\2AE10a_Exterior Repairs ELEVATIONS West.dwg
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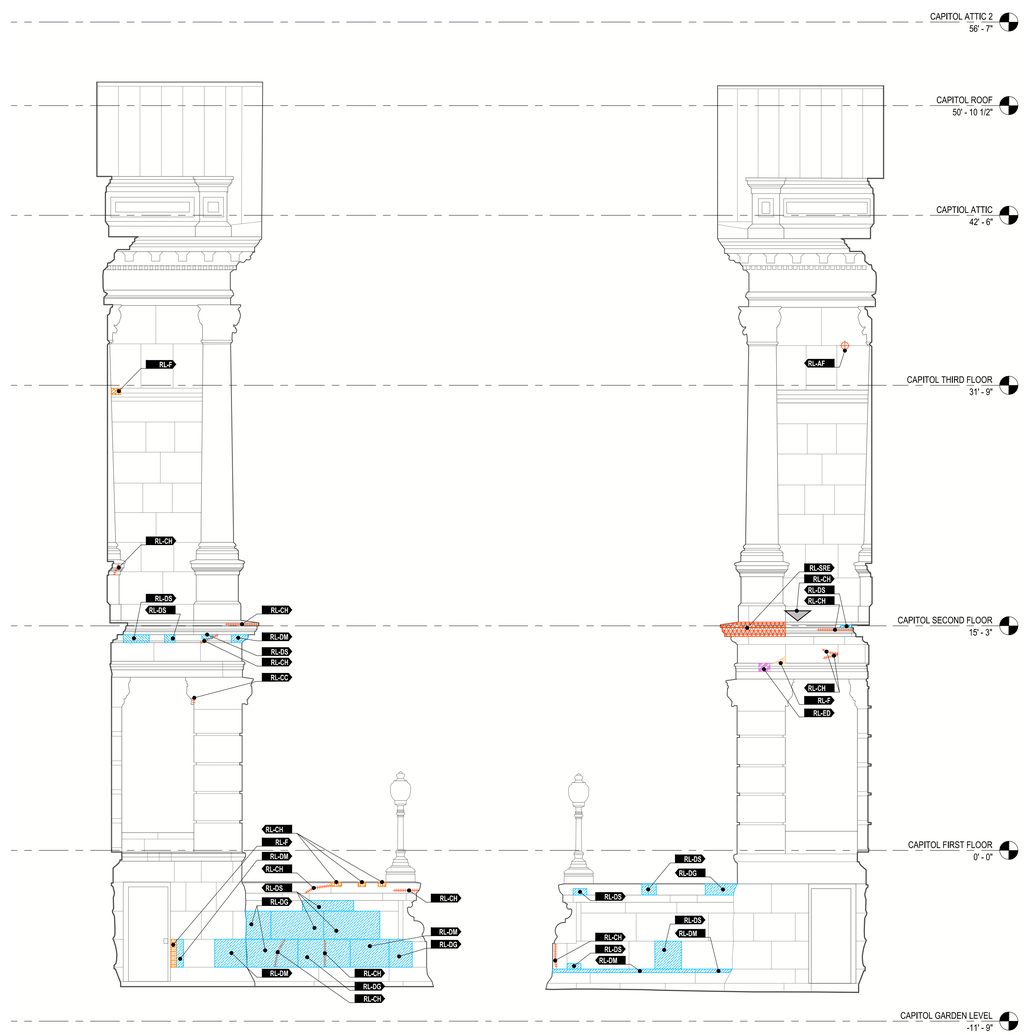
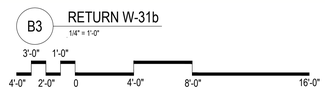


B4 RETURN W-31a
1/4" = 1'-0"

B3 RETURN W-31b
1/4" = 1'-0"



KEY - EXTERIOR REPAIR ANNOTATION

MATERIAL ABBREVIATION — REPAIR ABBREVIATION
RL-SSP

MATERIAL

ABBREVIATION	MATERIAL
RL	RAWLIN'S SANDSTONE
FC	FORT COLLINS SANDSTONE

REPAIR

HATCH	ABBREVIATION	REPAIR
CRACKS		
	CC; CP; CH; CJ	AT AN ASSUMED 70% OF CRACKED STONES, REPAIR BY CUTTING OUT THE CRACK AND INSTALLING MORTAR OR CEMENTITIOUS GROUT.
		AT AN ASSUMED 20% OF THE CRACKS, CUT OUT THE CRACKED STONE AND INSTALL DUTCHMAN.
		AT AN ASSUMED 10% OF THE CRACKS, PIN THE CRACKS AS REQUIRED.
		REPLACE ALL OF THE CRACKED STONE LINTELS WITH NEW STONE UNITS.
JOINTS		
	JD; JI; JW	REPOINT 100% OF THE STONE MASONRY. INSTALL LEAD JOINT COVERS AT ALL SKYWARD FACING JOINTS AT THE CORNICES AND OTHER WIDE PROJECTING ELEMENTS.
DISPLACEMENT		
	UD	REMOVE AND REPOSITION STONE UNIT IN CORRECT CONFIGURATION AND IN ALIGNMENT WITH ADJACENT STONES.
SPALLS		
	SS; SSP; SSC; SSJ	SMALL SPALL [LESS THAN 2 INCHES SQUARE, LESS THAN 1/2 INCHES DEEP]. REPAIR WITH COMPOSITE PATCH MATERIAL.
	SL; SLP; SLC; SLJ; ISL; ISLP; ISLC	LARGE SPALL [GREATER THAN 2 INCHES SQUARE, GREATER THAN 1/2-INCH DEEP]. REPAIR WITH STONE DUTCHMAN.
	SLF, SLFP	REPLACE STONE UNIT WITH NEW STONE UNIT.
	SRE	REPLACE DAMAGED, DETERIORATED OR MISSING STONE UNIT WITH NEW STONE UNIT.
DELAMINATION		
	DS	TOOL STONE UNITS.
	DM	TOOL STONE UNITS OR PROVIDE STONE DUTCHMAN REPAIR. ASSUME 30% OF THESE REPAIRS WILL BE STONE DUTCHMAN REPAIRS.
	DG	REPLACE STONE UNIT.
PREVIOUS REPAIRS		
	F; C; P	REPLACE PATCHES LESS THAN 2 INCHES SQUARE WITH COMPOSITE PATCH MATERIAL.
		REPLACE PATCHES GREATER THAN 2 INCHES SQUARE WITH DUTCHMAN REPAIRS OR NEW STONE UNITS DEPENDING UPON THE SIZE OF THE PATCH. IF THE EXISTING PATCH IS 35% OF THE STONE UNIT OR GREATER, REPLACE THE STONE UNIT WITH NEW STONE.
	FD	REPLACE WITH NEW STONE DUTCHMAN REPAIR.
	EDJO	REPOINT JOINTS AT EXISTING DUTCHMAN.
ANCHORS		
	AA	REMOVE THE ANCHORS AND PATCH STONE WITH COMPOSITE PATCH MATERIAL
	AF	REPLACE FERROUS ANCHORS WITH STAINLESS STEEL ANCHORS.
SOILING		
	EFF	THE DESIGN TEAM RECOMMENDS CONDUCTING CLEANING TESTS TO DETERMINE THE GENTLEST METHODS AVAILABLE TO CLEAN THE STONE. ASSUME THE SOILING WILL BE REMOVED USING CHEMICAL CLEANERS WITH LOW PRESSURE WASH.
	GU	
	AS	THE ANNOTATED STAINING CONDITIONS INCLUDE: EFFLORESCENCE [**EFF**], GUANO [**GU**], ATMOSPHERIC STAINING [**AS**], BIOLOGICAL STAINING [**BS**].
	BS	

GENERAL NOTES

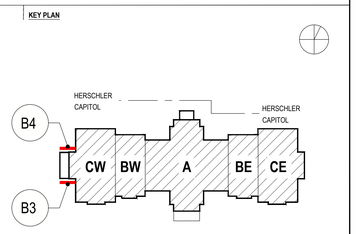
GENERAL NOTES - EXTERIOR MASONRY REPAIRS

- REPOINT 100% OF MASONRY JOINTS. INSTALL LEAD JOINT COVERS AT ALL SKYWARD FACING JOINTS AT THE CORNICES AND WIDE PROJECTING ELEMENTS.
- CLEAN 100% OF EXTERIOR MASONRY.
- INSTALL BIRD-PROOFING AT ALL PORTICOES. BIRDPROOFING TO BE DESIGNED BY BIRD-MASTER.
- INSTALL METAL FLASHING OR COLD FLUID APPLIED MEMBRANE TO PILASTER CAPITALS DIRECTLY BENEATH GALVANIZED METAL ENTABLATURE.

CONSTRUCTION KEYNOTES

GRAPHIC LEGEND

KEY PLAN



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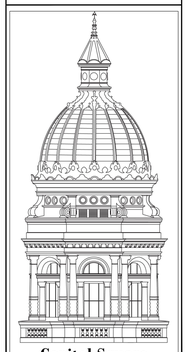
Construction Management



Capitol Square
Rehabilitation and Restoration
State of Wyoming A&I Construction Management

HDR PDP PLAN ARCHITECT

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PROJECT NUMBER	203619
ORIGINAL ISSUE	- -
PKG. IDENTIFIER	2

EXTERIOR MASONRY REPAIRS AT WEST ELEVATION RETURNS

SCALE: AS NOTED

2AE250

Schematic Design

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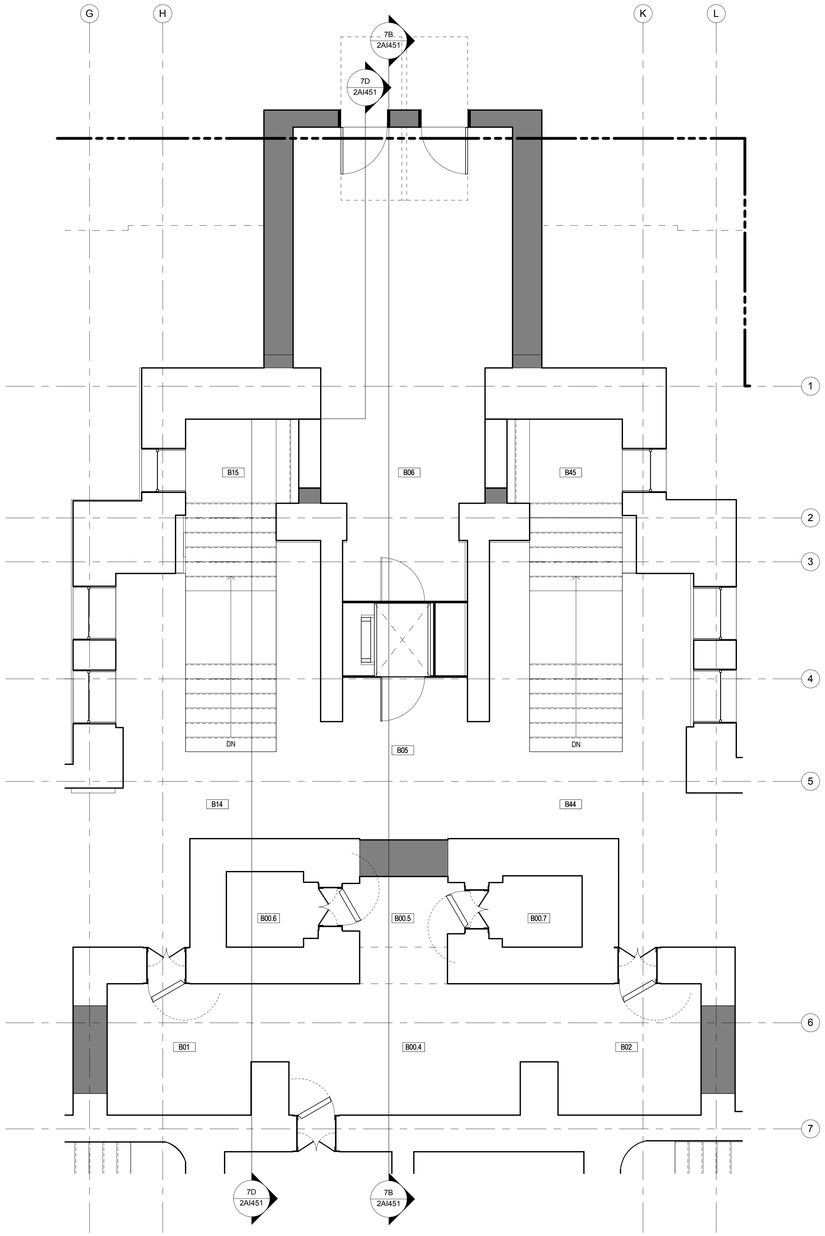
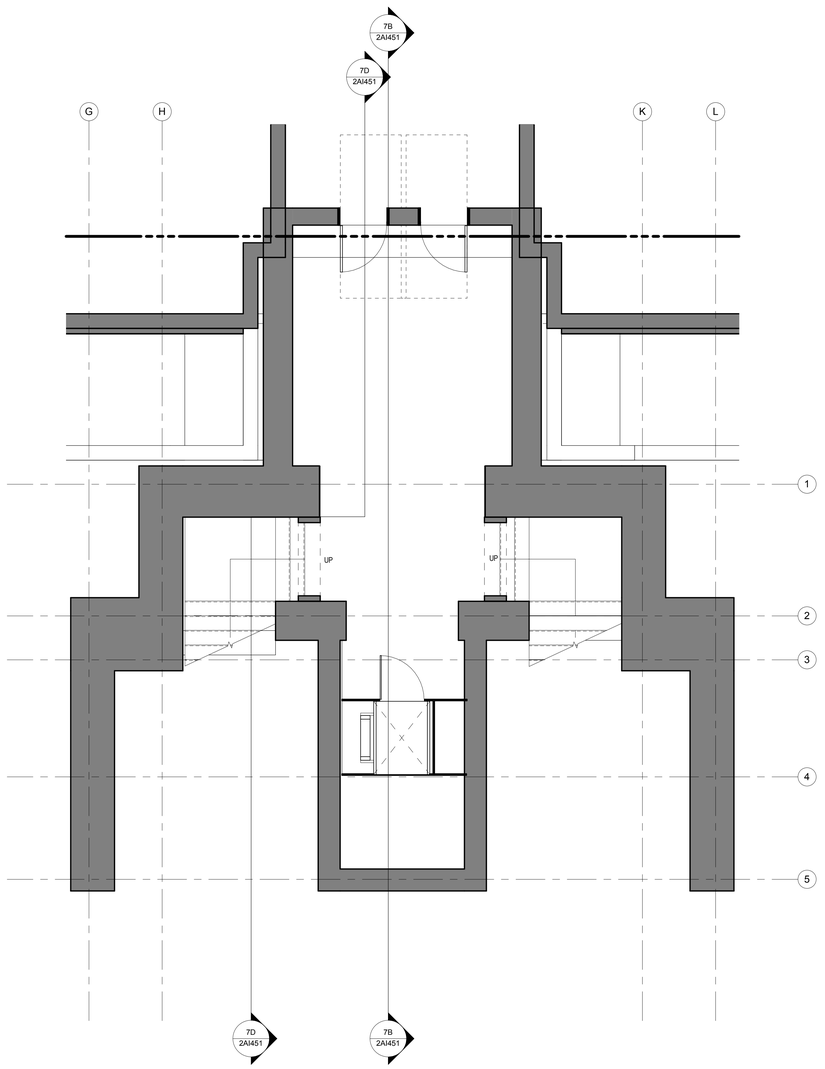


6B PROPOSED GARDEN LEVEL PLAN AT NEW NORTH STAIR
1/4" = 1'-0"



3B PROPOSED CONNECTOR LOWER LEVEL
1/4" = 1'-0"

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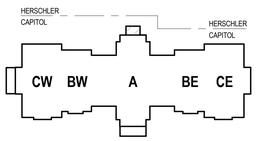
CONSTRUCTION NOTES

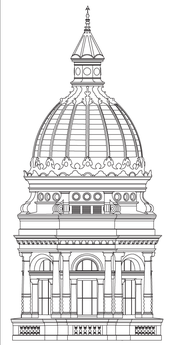
GRAPHIC LEGEND

KEY PLAN



State of Wyoming

Administration & Information
Construction Management



Capitol Square
Rehabilitation and Restoration

HDR PDP PLAN

PRELIMINARY
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PKG. IDENTIFIER	2

PROPOSED NORTH STAIR ENLARGED PLANS

SCALE 1/4" = 1'-0"

2AI450

Schematic Design

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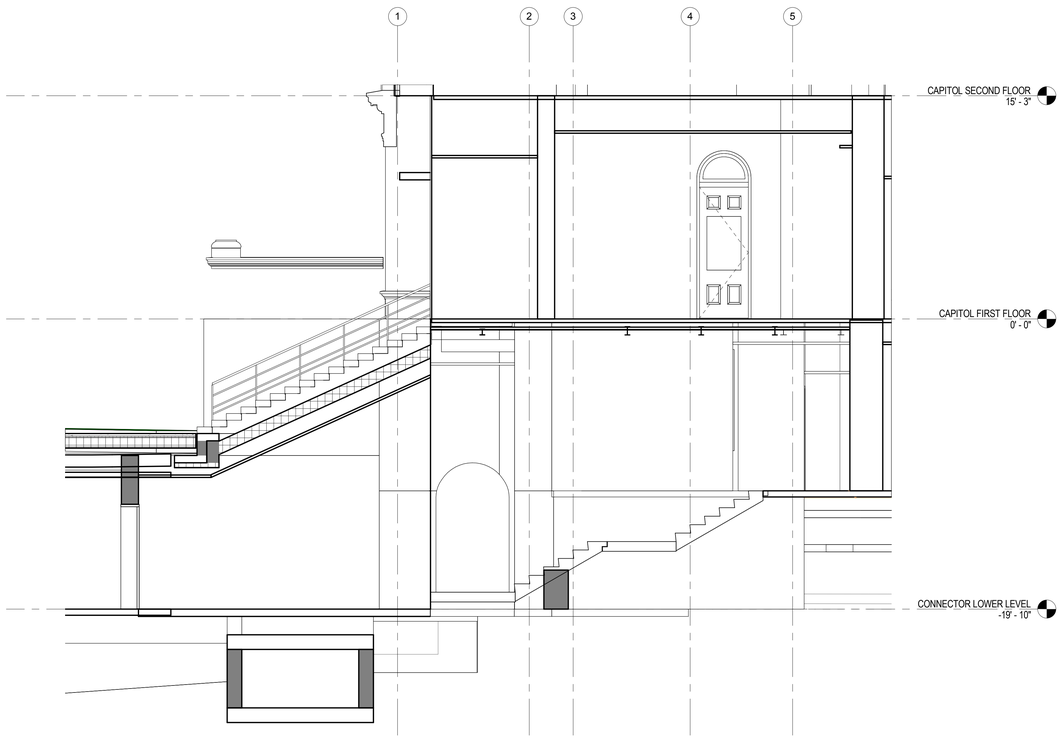
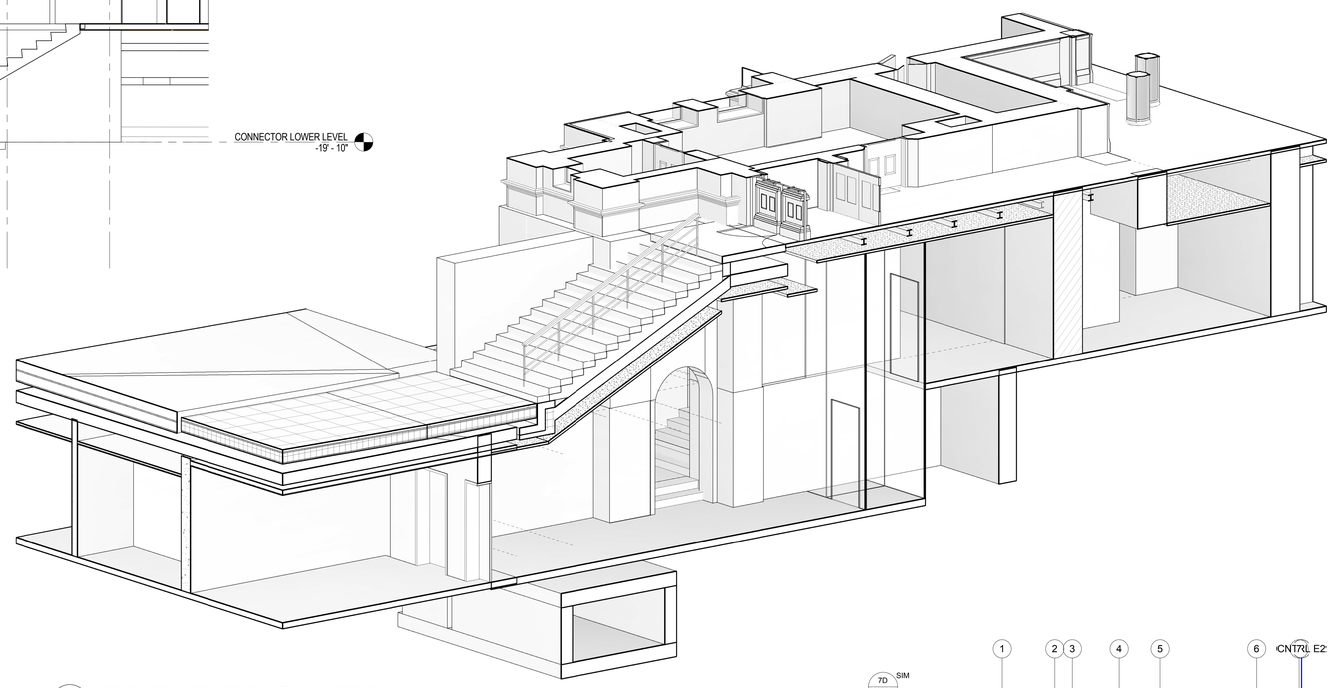
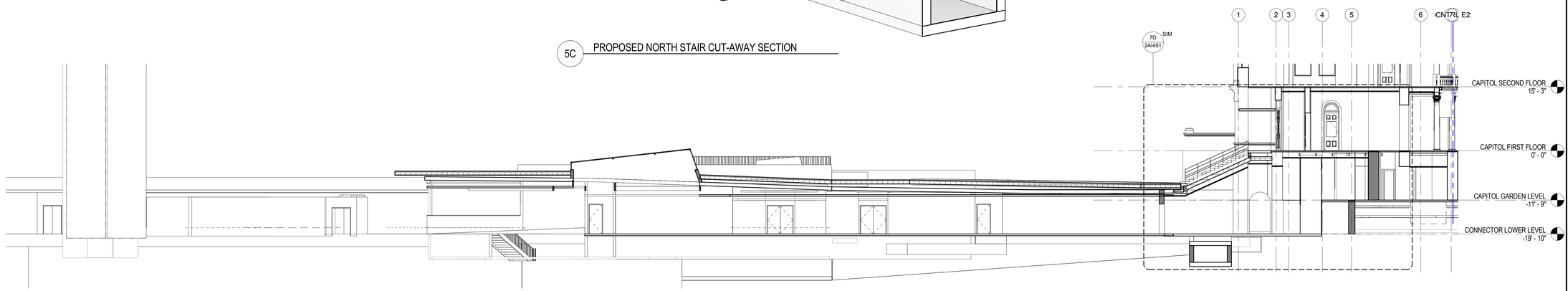


7D ENLARGED PARTIAL SECTION - NORTH STAIRS LOOKING EAST

1/4" = 1'-0"



5C PROPOSED NORTH STAIR CUT-AWAY SECTION



7B CAPITOL/CONNECTOR SECTION

1" = 10'-0"

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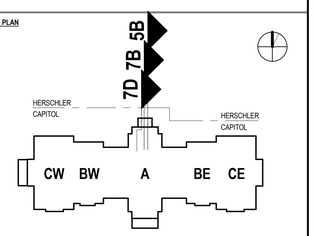
CONSTRUCTION NOTES

GRAPHIC LEGEND

KEY PLAN



State of Wyoming

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Construction Management

Capitol Square
Rehabilitation and Restoration

HDR PDP PAU

PRELIMINARY
NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION
1	2014/12/19	SD OWNER REVIEW

PROJECT NUMBER	203619
ORIGINAL ISSUE	- - -
PKG. IDENTIFIER	2

PROPOSED NORTH STAIR TO CONNECTOR

SCALE: As indicated

2AI451

Schematic Design

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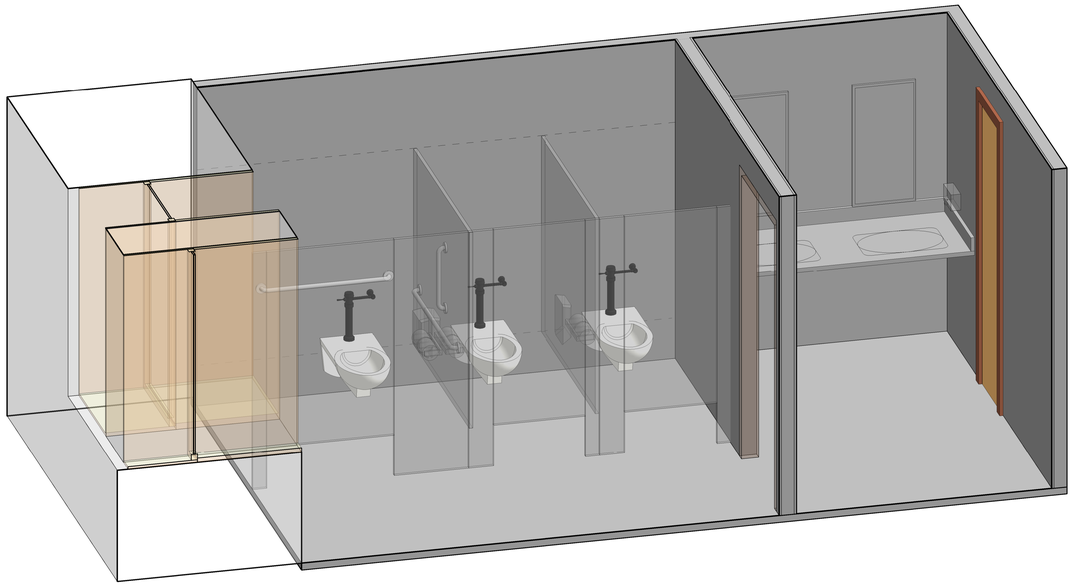
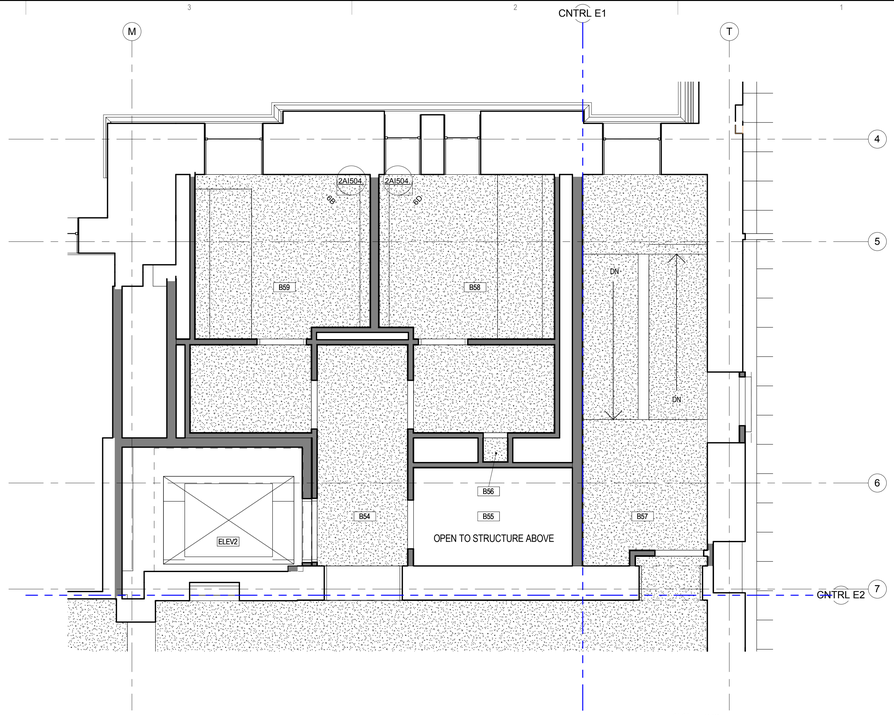
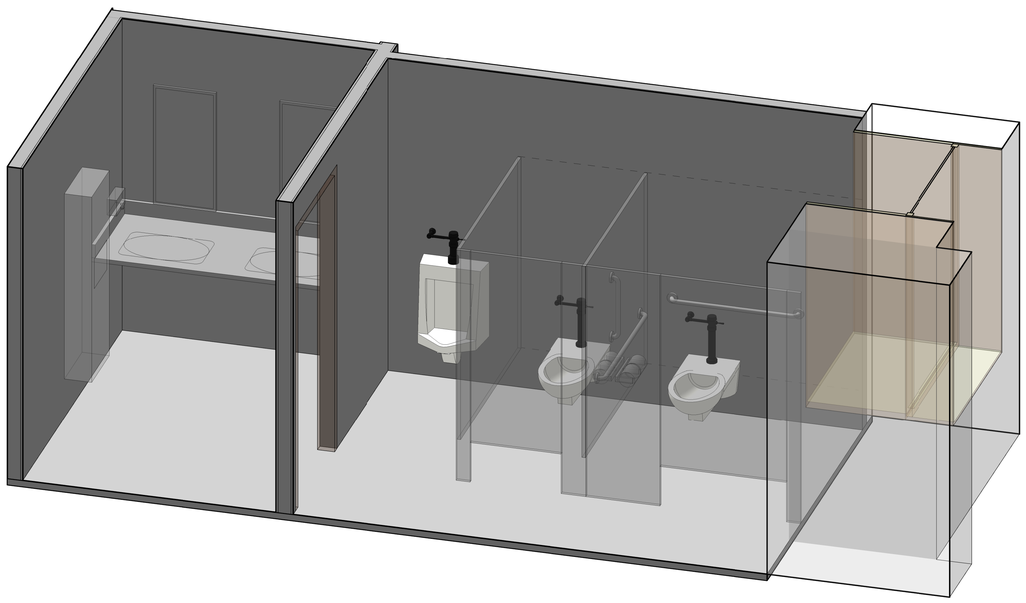


6D PROPOSED 00 - EAST SERVICE CORE - RESTROOMS B58



3D EAST SERVICE CORE RCP
1/4" = 1'-0"

3'-0" 1'-0"
4'-0" 2'-0" 0 4'-0" 8'-0" 16'-0"



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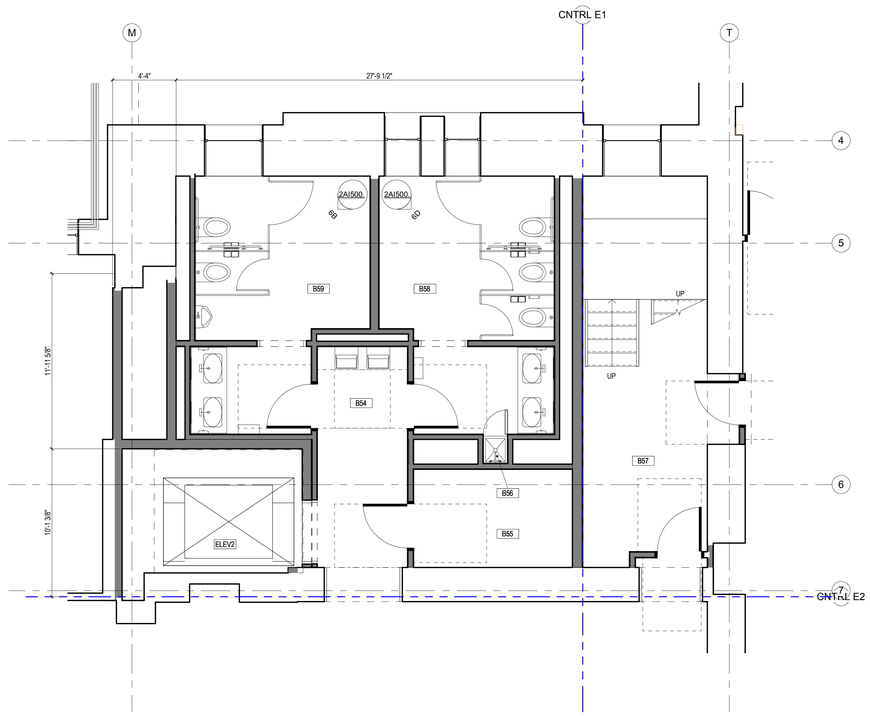

3B EAST SERVICE CORE PLAN
1/4" = 1'-0"

3'-0" 1'-0"
4'-0" 2'-0" 0 4'-0" 8'-0" 16'-0"

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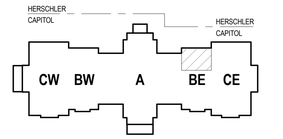
CONSTRUCTION NOTES

GRAPHIC LEGEND

KEY PLAN



State of Wyoming

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Capitol Square
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PROJECT NUMBER 203619
ORIGINAL ISSUE - -
PKG. IDENTIFIER 2

PROPOSED GARDEN LEVEL SERVICE CORE EAST ENLARGED PLANS

SCALE 1/4" = 1'-0"

2AI500

Schematic Design

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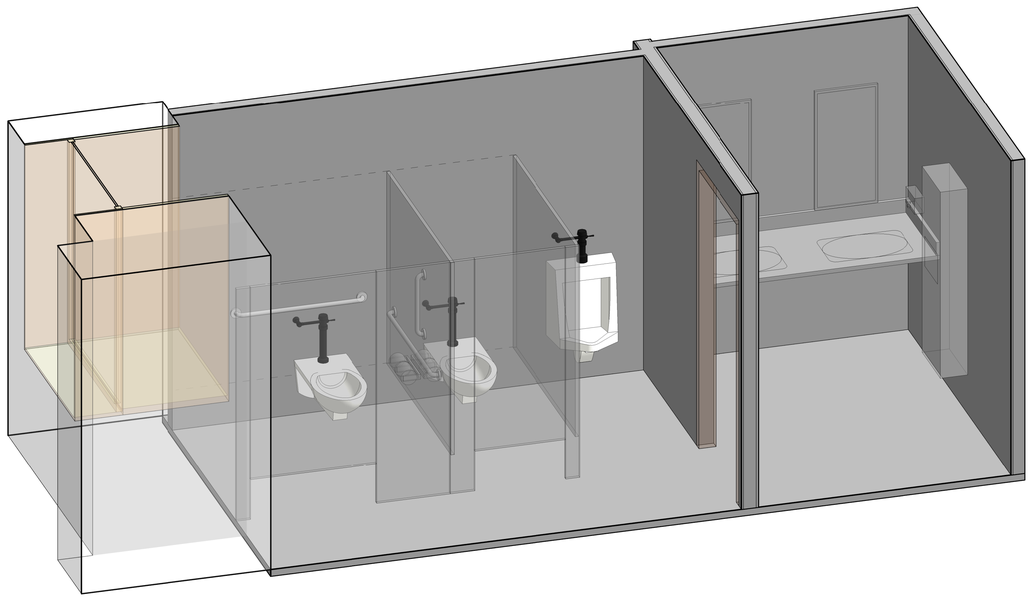

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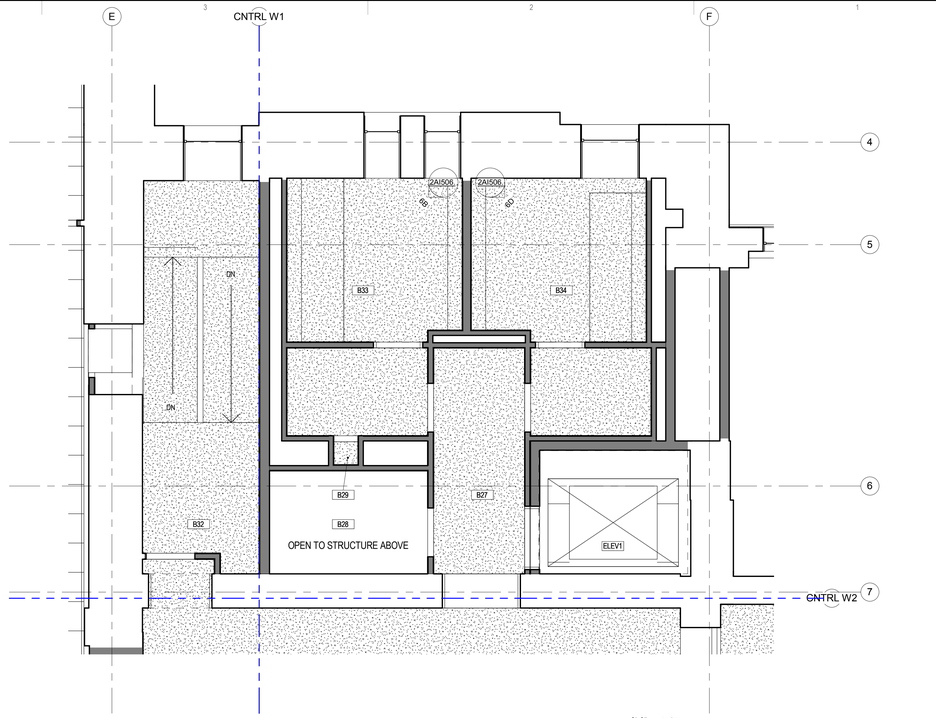

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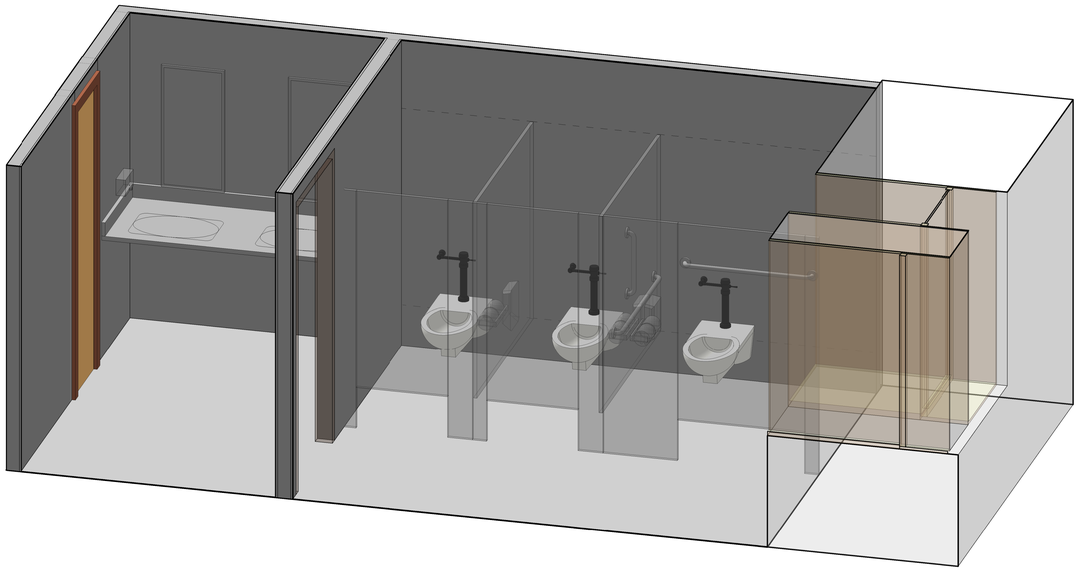
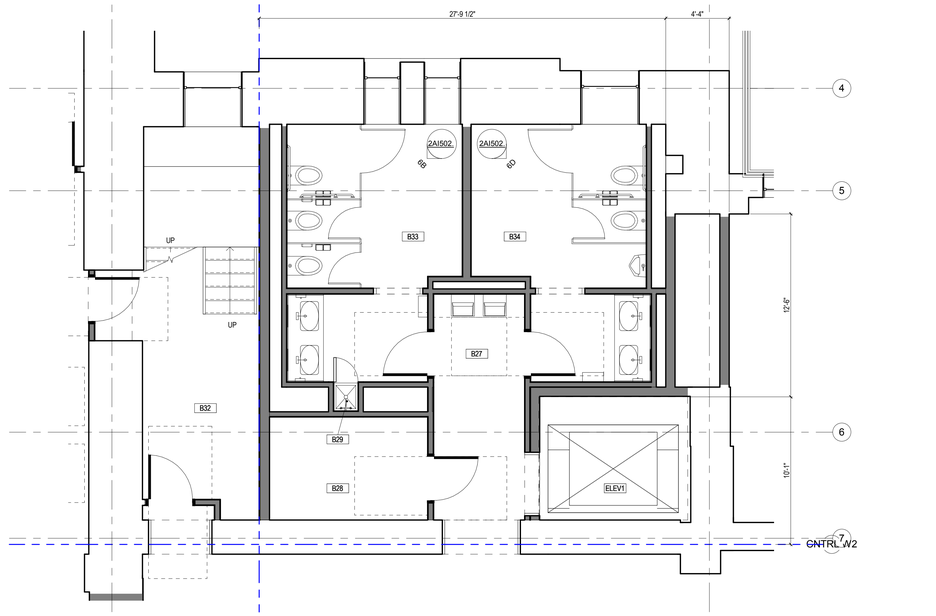


6B PROPOSED 00 - WEST SERVICE CORE - RESTROOMS B33



3B WEST SERVICE CORE PLAN
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3'-0" 1'-0"
4'-0" 2'-0" 0 4'-0" 8'-0" 16'-0"

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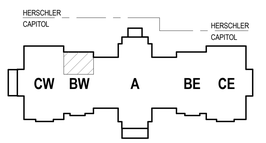
CONSTRUCTION NOTES

GRAPHIC LEGEND

KEY PLAN



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ORIGINAL ISSUE	- -
PKG. IDENTIFIER	2

PROPOSED GARDEN LEVEL SERVICE CORE WEST ENLARGED PLANS

SCALE 1/4" = 1'-0"

2AI502

Schematic Design

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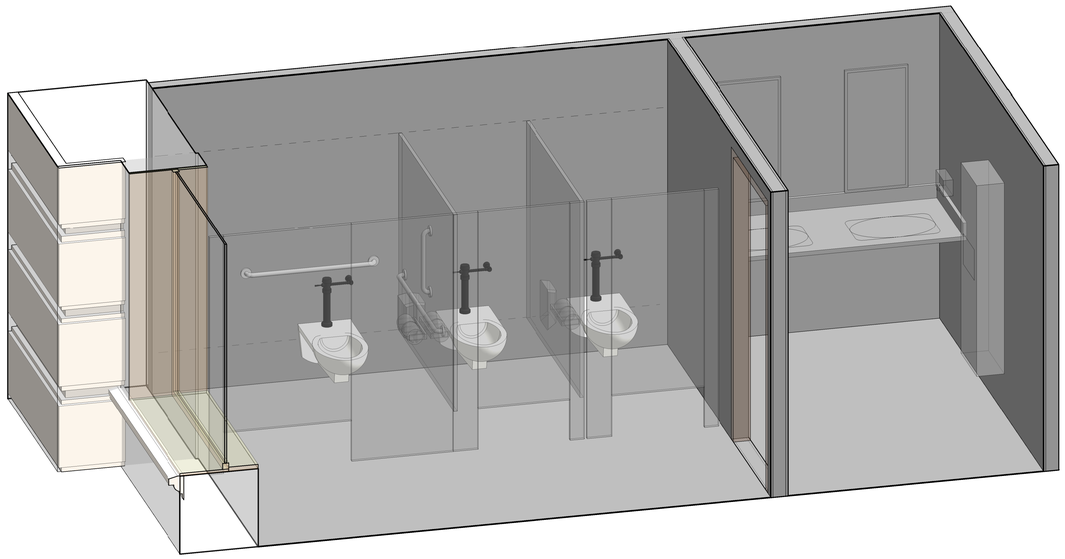
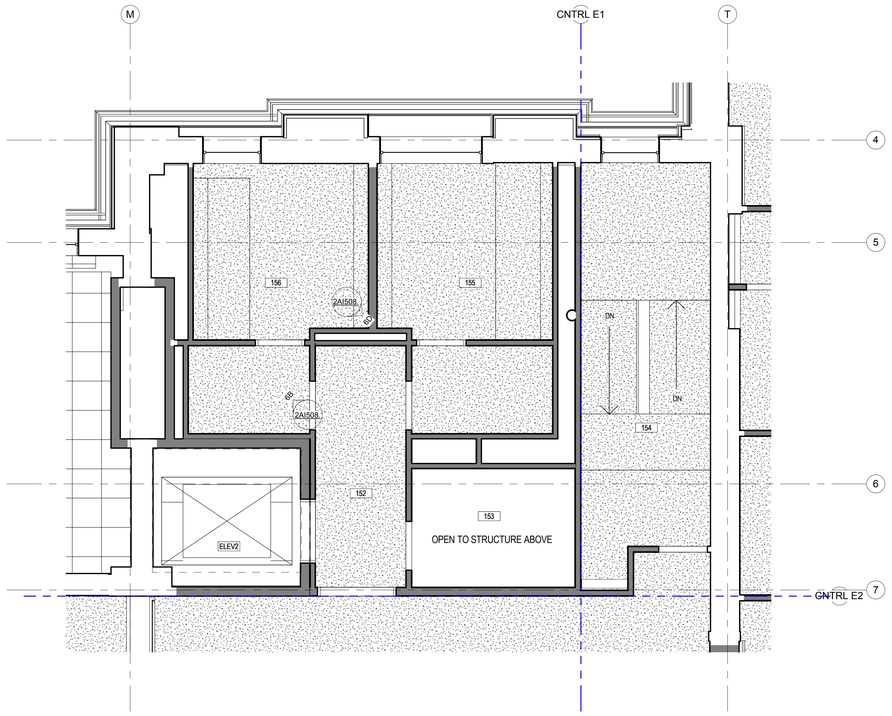
12/19/2014 7:39:44 AM

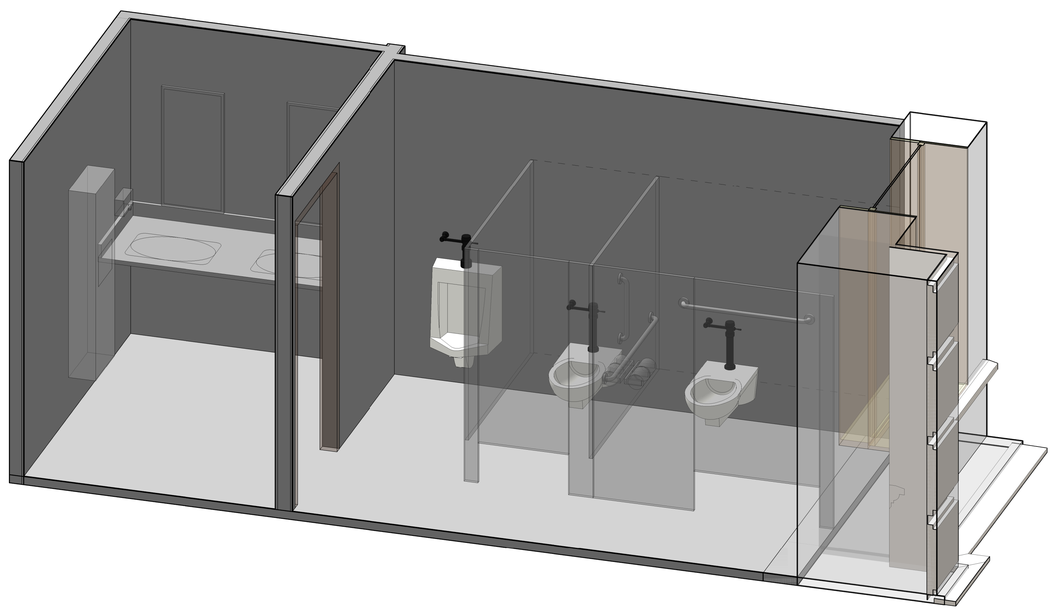


6D PROPOSED 01 - EAST SERVICE CORE - RESTROOMS 155

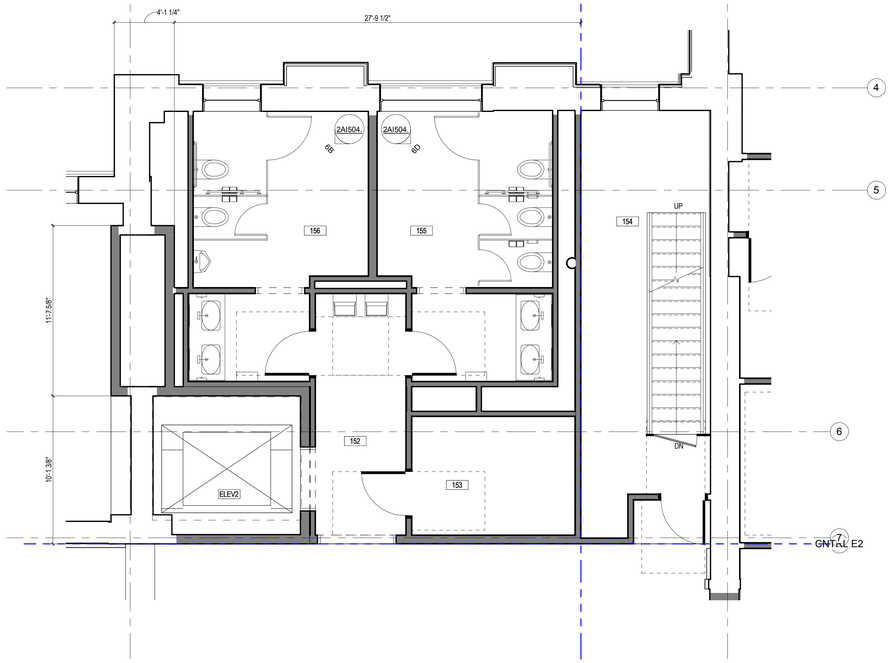


3D EAST SERVICE CORE RCP
1/4" = 1'-0"

3'-0" 1'-0"
4'-0" 2'-0" 0 4'-0" 8'-0" 16'-0"



6B PROPOSED 01 - EAST SERVICE CORE - RESTROOMS 156



3B EAST SERVICE CORE PLAN
1/4" = 1'-0"

3'-0" 1'-0"
4'-0" 2'-0" 0 4'-0" 8'-0" 16'-0"

GENERAL NOTES

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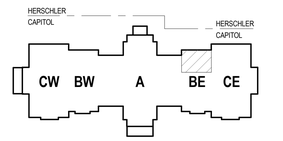
CONSTRUCTION NOTES

GRAPHIC LEGEND

KEY PLAN



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State of Wyoming

Administration & Information
Construction Management

Capitol Square
Rehabilitation and Restoration

HDR PDP RA

PRELIMINARY
NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION
1	2014/12/19	SD OWNER REVIEW

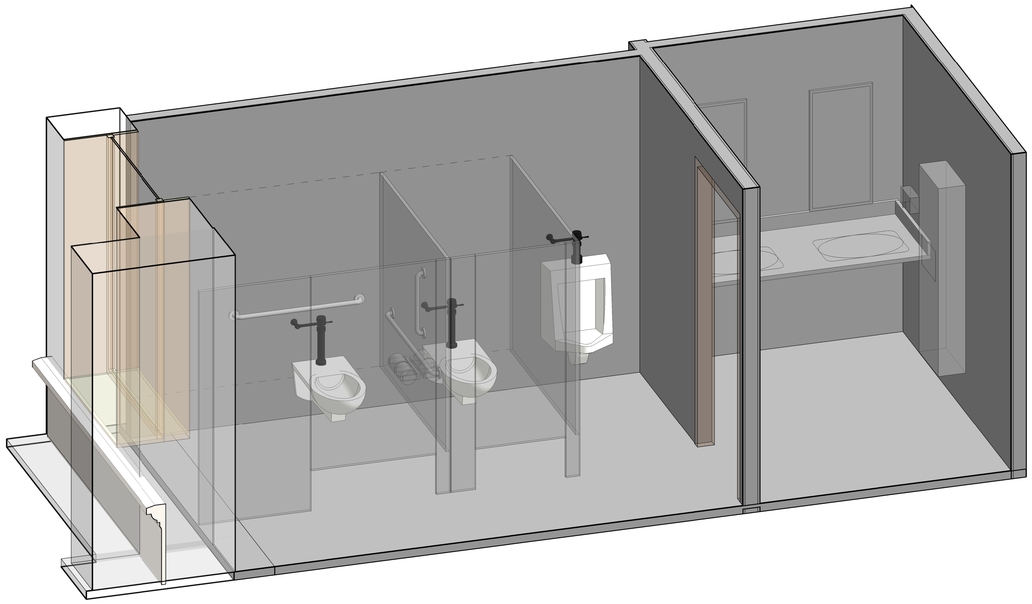
PROJECT NUMBER 203619
ORIGINAL ISSUE - -
PKG. IDENTIFIER 2

PROPOSED FIRST FLOOR SERVICE CORE EAST ENLARGED PLANS

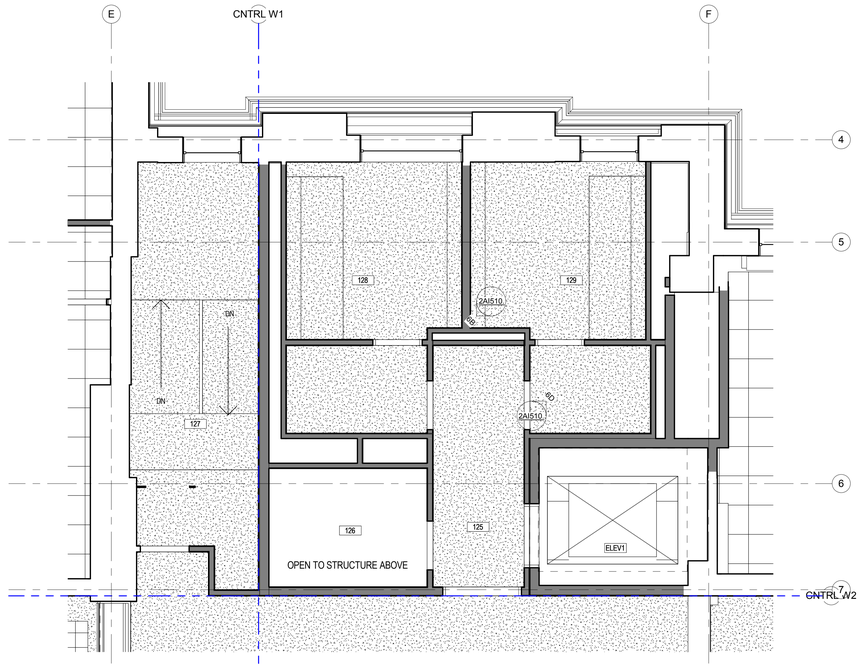
SCALE 1/4" = 1'-0"

2AI504

Schematic Design

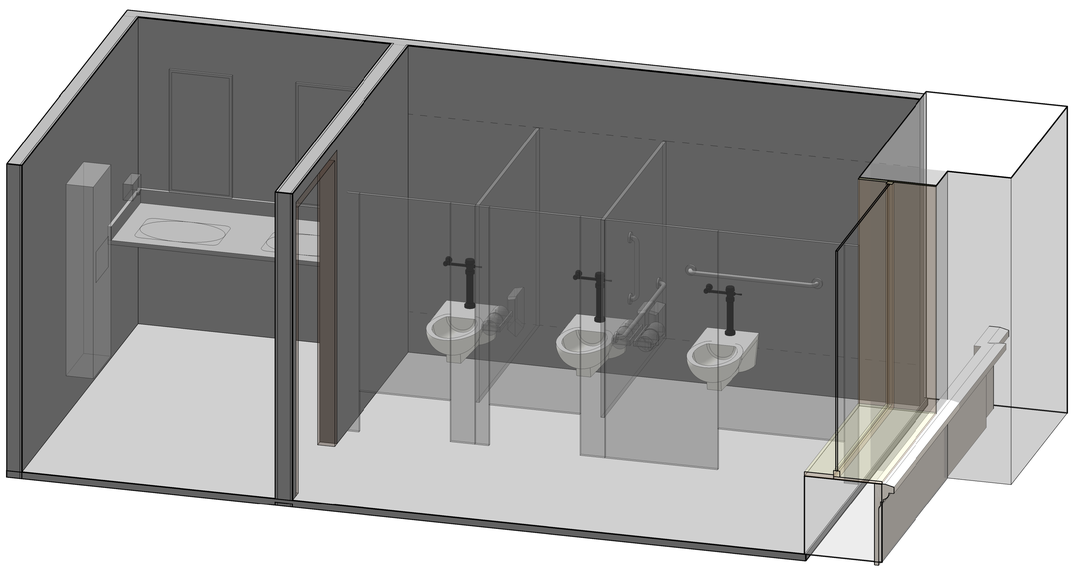


6D PROPOSED 01 - WEST SERVICE CORE - RESTROOMS 129

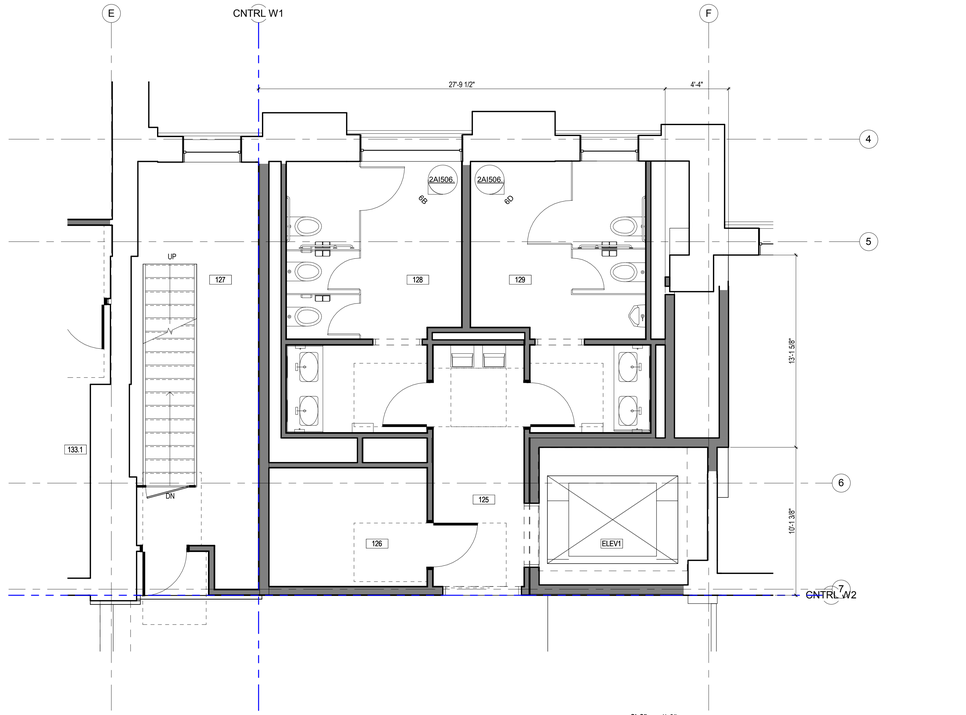


3D WEST SERVICE CORE RCP
1/4" = 1'-0"

3'-0" 1'-0"
4'-0" 2'-0" 0 4'-0" 8'-0" 16'-0"



6B PROPOSED 01 - WEST SERVICE CORE - RESTROOMS 128



3B WEST SERVICE CORE PLAN
1/4" = 1'-0"

3'-0" 1'-0"
4'-0" 2'-0" 0 4'-0" 8'-0" 16'-0"

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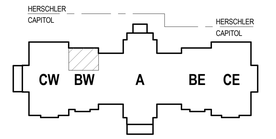
CONSTRUCTION NOTES

GRAPHIC LEGEND

KEY PLAN



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12/16/2014 7:41:28 AM

State of Wyoming

Administration & Information
Construction Management

Capitol Square
Rehabilitation and Restoration

HDR PDP PLAN

PRELIMINARY
NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION
1	2014/12/19	SD OWNER REVIEW

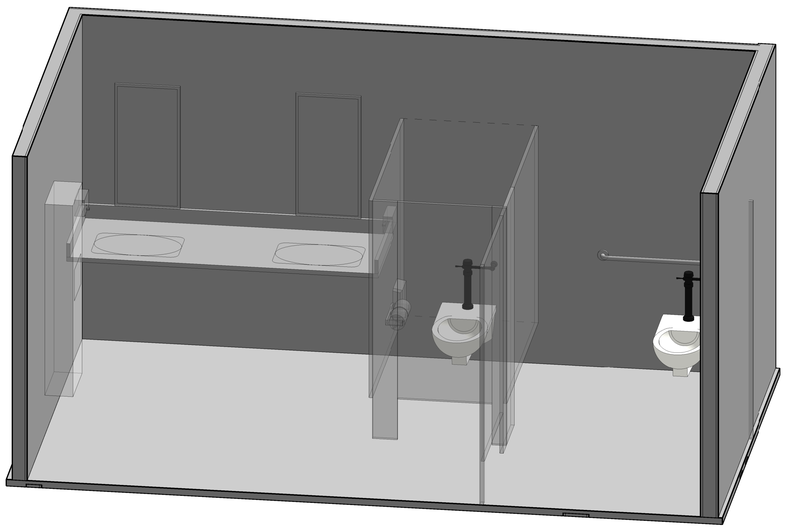
PROJECT NUMBER 203619
ORIGINAL ISSUE - -
PKG. IDENTIFIER 2

PROPOSED FIRST FLOOR SERVICE CORE WEST ENLARGED PLANS

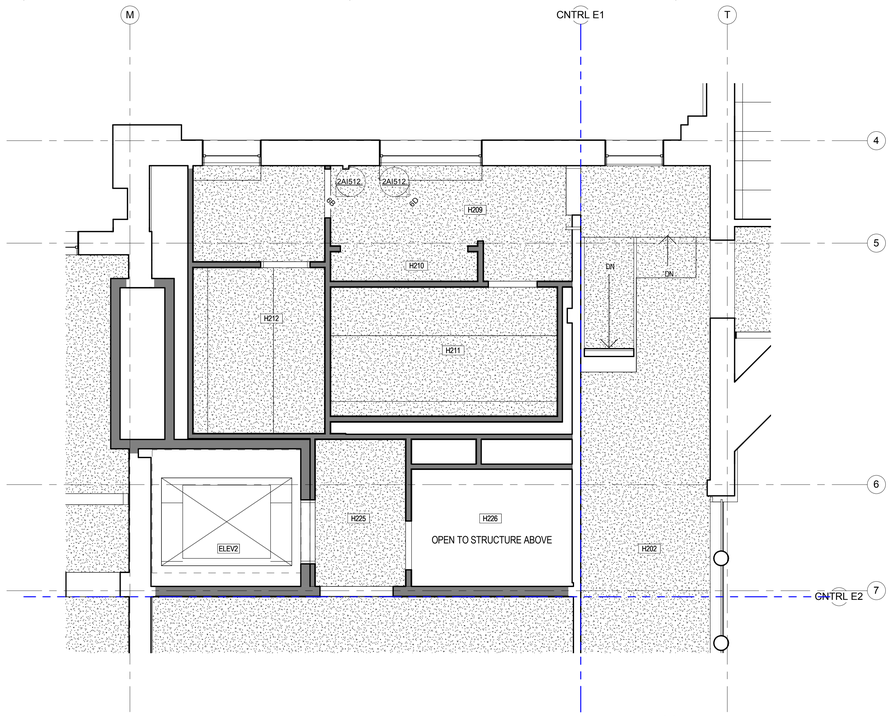
SCALE 1/4" = 1'-0"

2AI506

Schematic Design

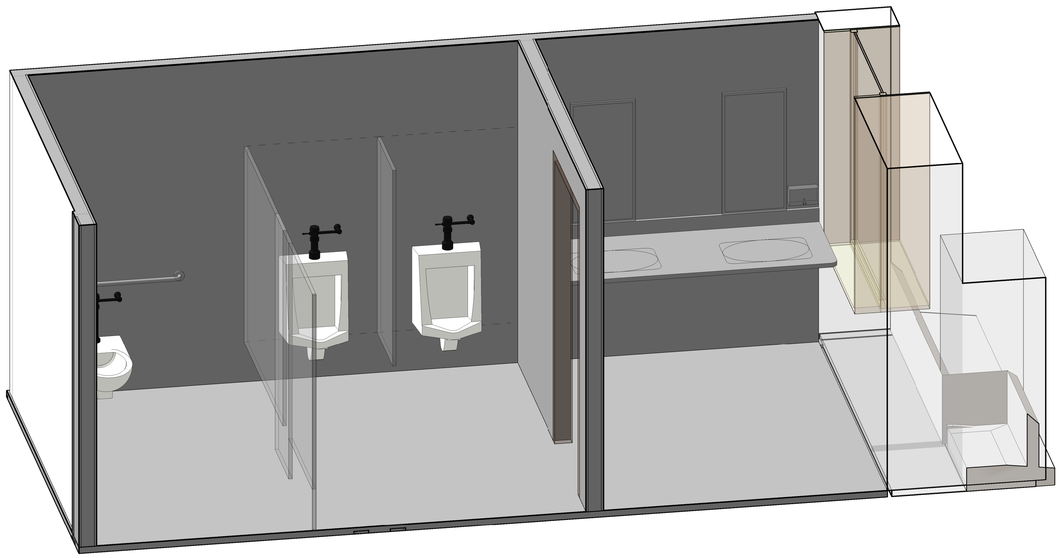


6D PROPOSED 02 - EAST SERVICE CORE - RESTROOMS H211

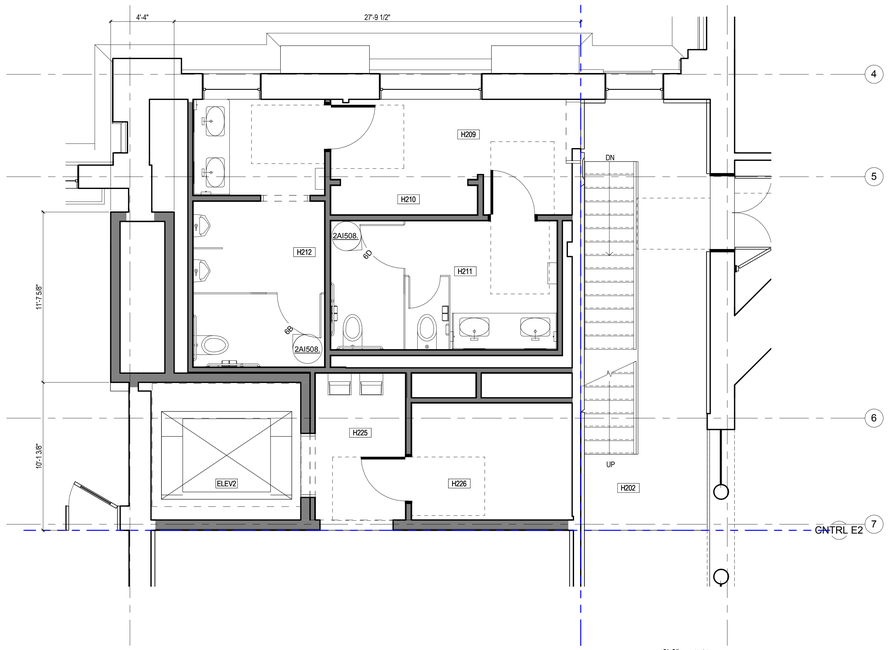


3D EAST SERVICE CORE RCP
1/4" = 1'-0"

3'-0" 1'-0"
4'-0" 2'-0" 0 4'-0" 8'-0" 16'-0"



6B PROPOSED 02 - EAST SERVICE CORE - RESTROOMS H212



3B EAST SERVICE CORE PLAN
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3'-0" 1'-0"
4'-0" 2'-0" 0 4'-0" 8'-0" 16'-0"

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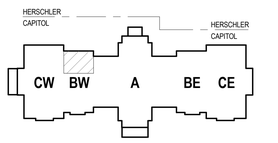
CONSTRUCTION NOTES

GRAPHIC LEGEND

KEY PLAN



State of Wyoming

Administration & Information
Construction Management

Capitol Square
Rehabilitation and Restoration

HDR PDP PLAN

PRELIMINARY
NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION
1	2014/12/19	SD OWNER REVIEW

PROJECT NUMBER	203619
ORIGINAL ISSUE	- - -
PKG. IDENTIFIER	2

PROPOSED SECOND FLOOR SERVICE CORE EAST ENLARGED PLANS

SCALE 1/4" = 1'-0"

2AI508

Schematic Design

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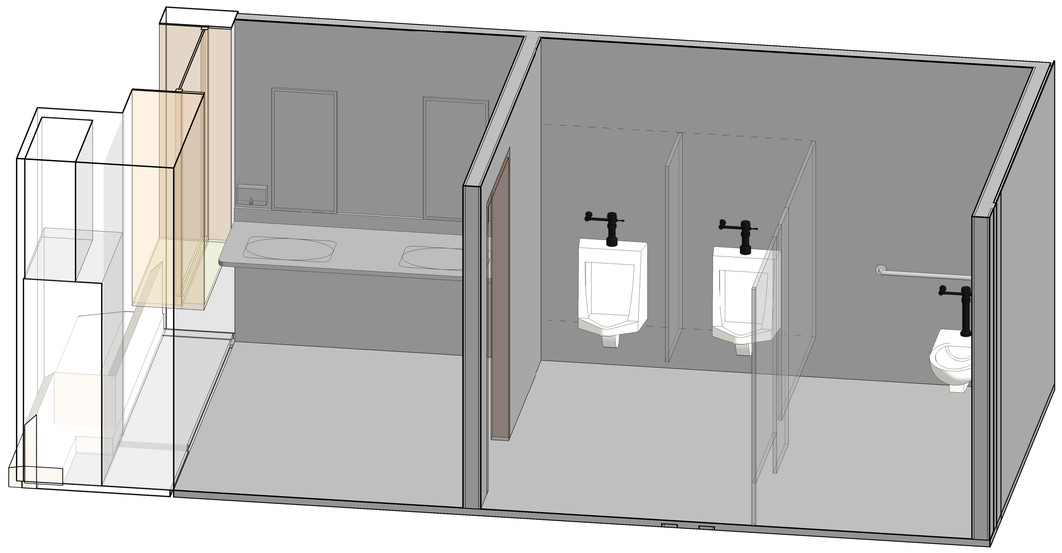
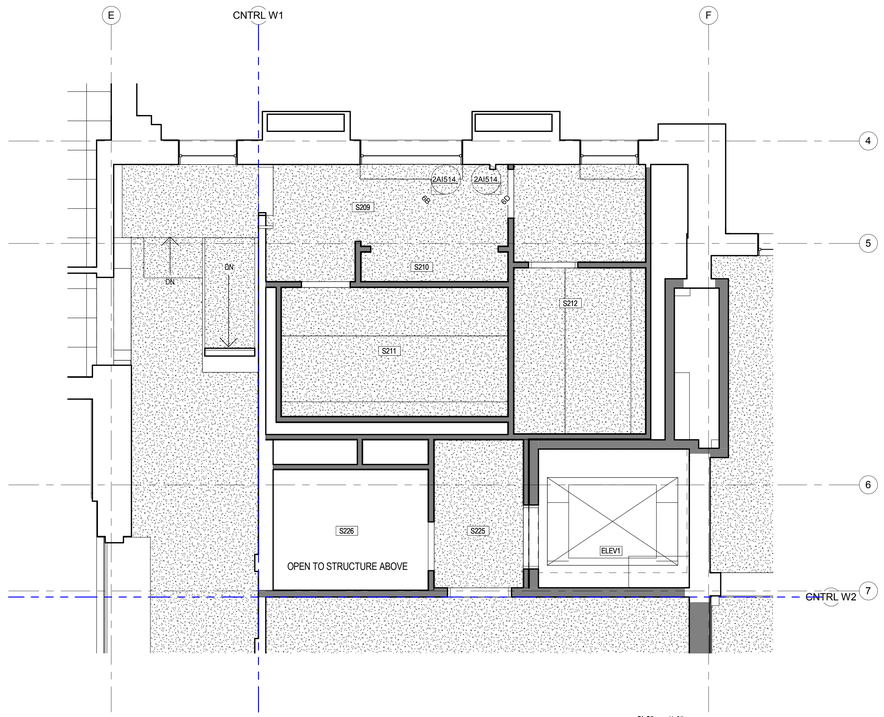


6D PROPOSED 02 - WEST SERVICE CORE - RESTROOMS S212



3D WEST SERVICE CORE RCP
1/4" = 1'-0"

3'-0" 1'-0"
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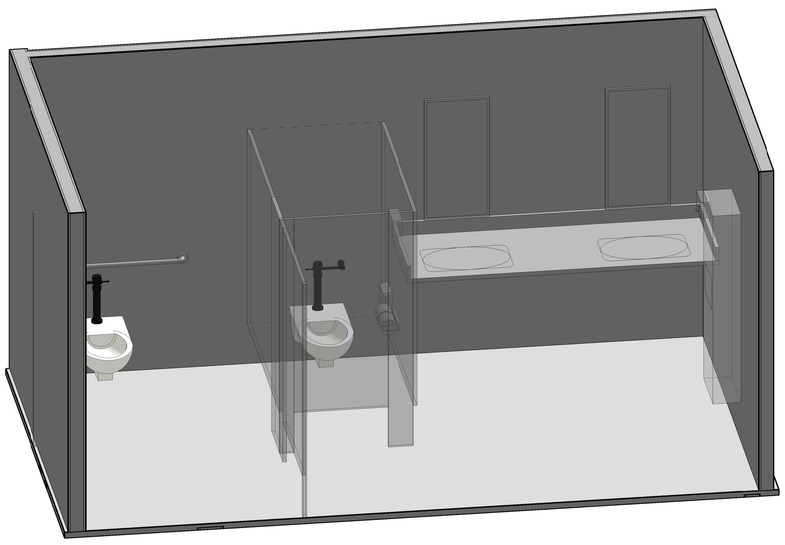
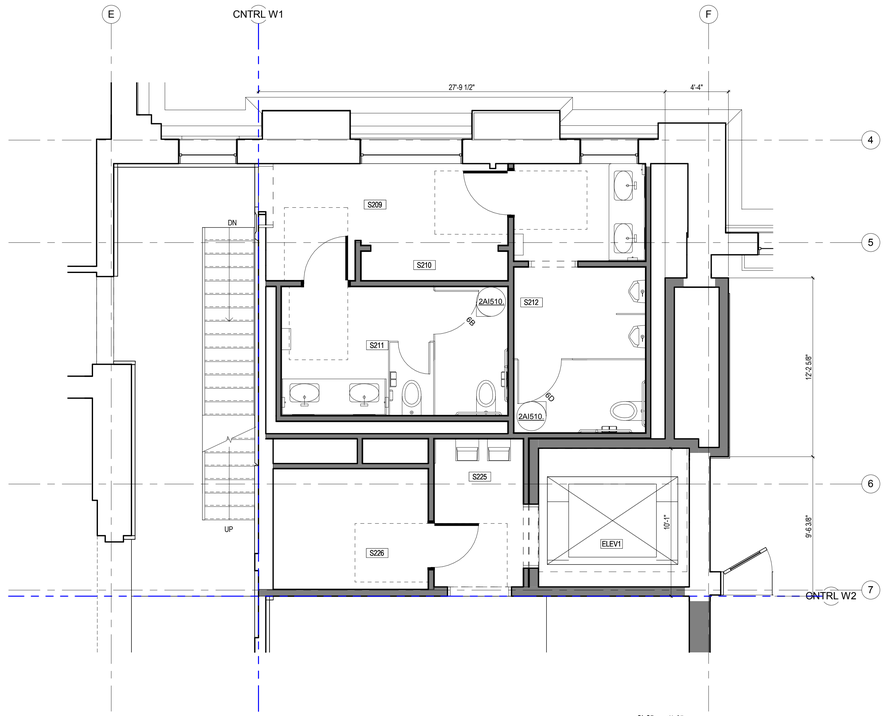


6B PROPOSED 02 - WEST SERVICE CORE - RESTROOMS S211



3B WEST SERVICE CORE PLAN
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3'-0" 1'-0"
4'-0" 2'-0" 0 4'-0" 8'-0" 16'-0"

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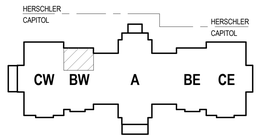
GRAPHIC LEGEND

KEY PLAN



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State of Wyoming

Administration & Information
Construction Management

Capitol Square
Rehabilitation and Restoration

HDR PDP RLA

PRELIMINARY
NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION
1	2014/12/19	SD OWNER REVIEW

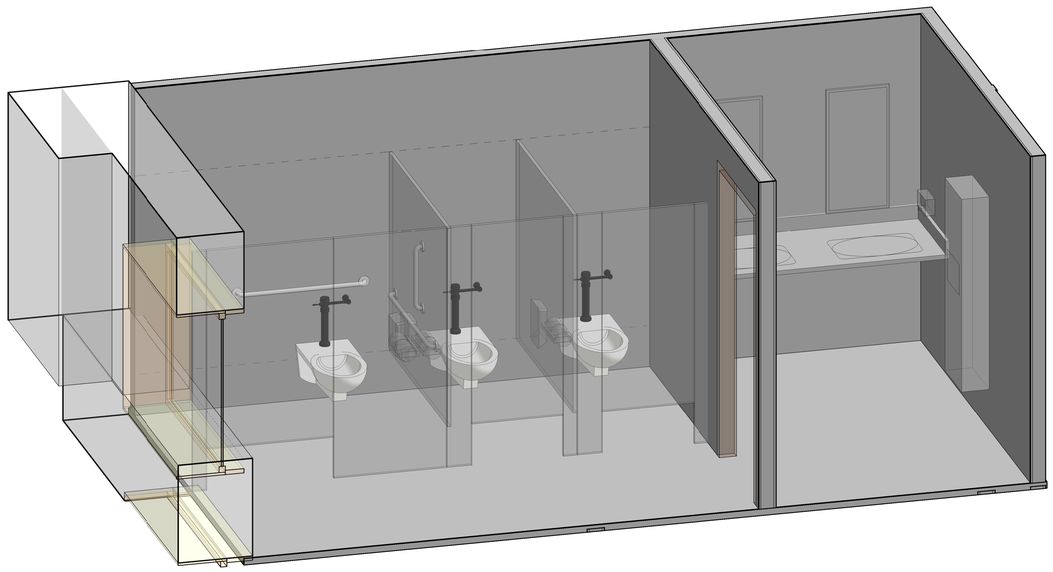
PROJECT NUMBER	203619
ORIGINAL ISSUE	- - -
PKG. IDENTIFIER	2

PROPOSED SECOND FLOOR SERVICE CORE WEST ENLARGED PLANS

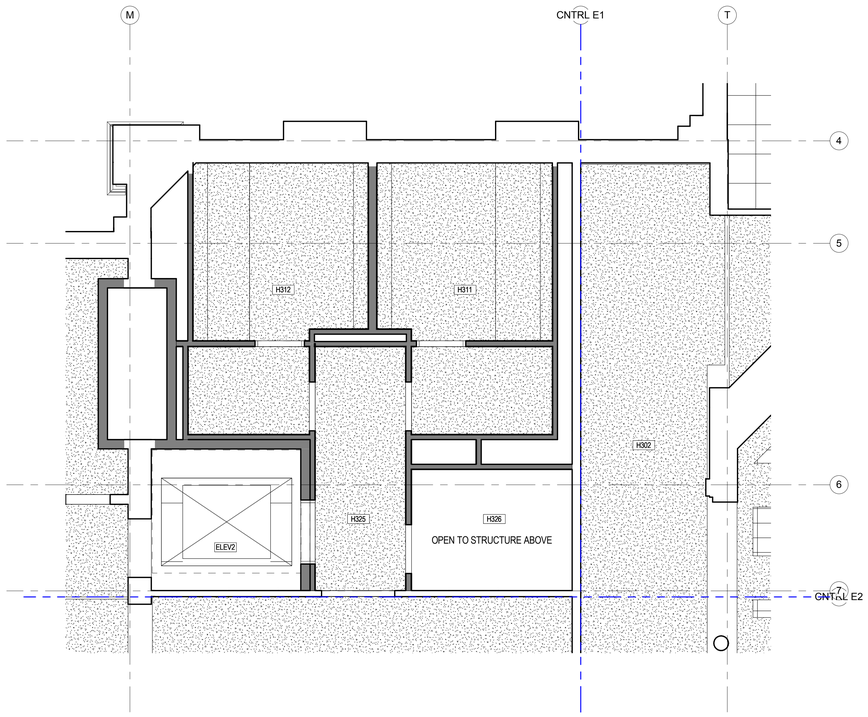
SCALE 1/4" = 1'-0"

2AI510

Schematic Design



6D PROPOSED 03 - EAST SERVICE CORE - RESTROOMS H311



3D EAST SERVICE CORE RCP
1/4" = 1'-0"

3'-0" 1'-0"
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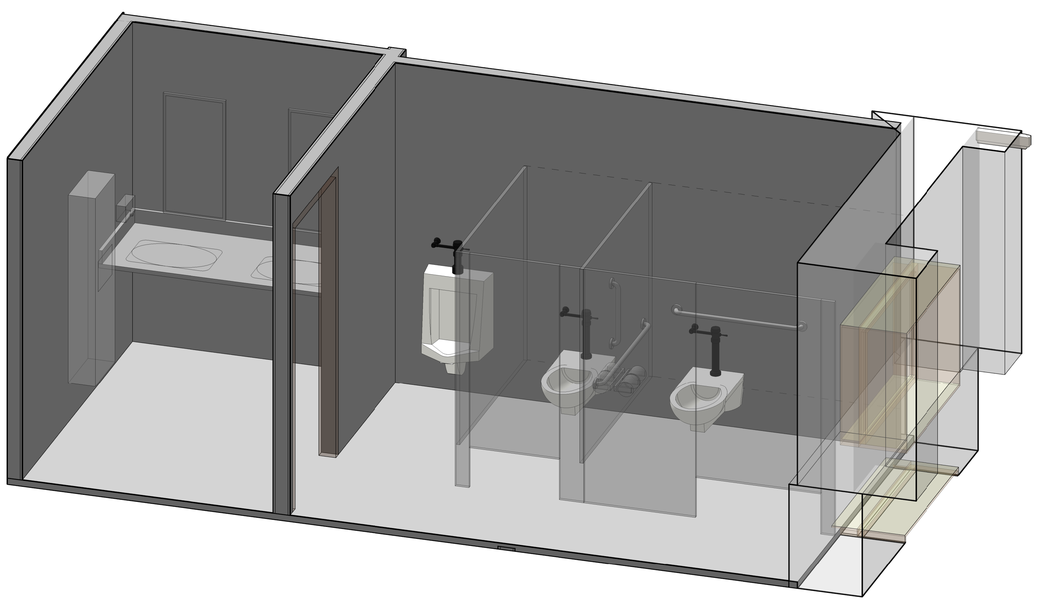
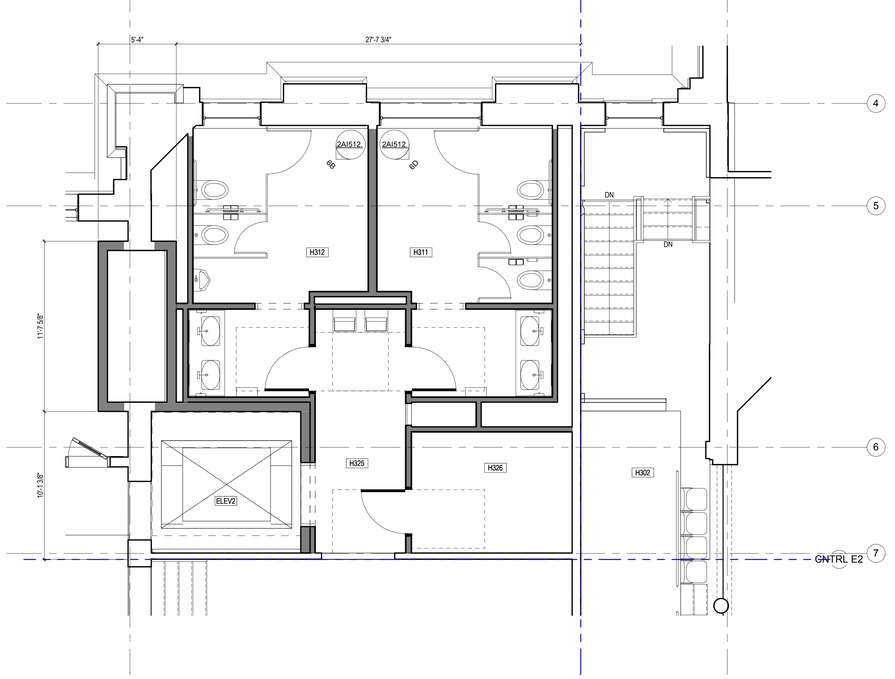


6B PROPOSED 03 - EAST SERVICE CORE - RESTROOMS H312



3B EAST SERVICE CORE PLAN
1/4" = 1'-0"

3'-0" 1'-0"
4'-0" 2'-0" 0 4'-0" 8'-0" 16'-0"

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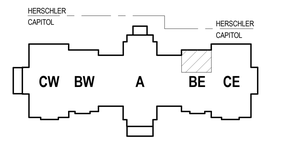
CONSTRUCTION NOTES

GRAPHIC LEGEND

KEY PLAN



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State of Wyoming

Administration & Information
Construction Management

Capitol Square
Rehabilitation and Restoration

HDR PDP RA

PRELIMINARY
NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION
1	2014/12/19	SD OWNER REVIEW

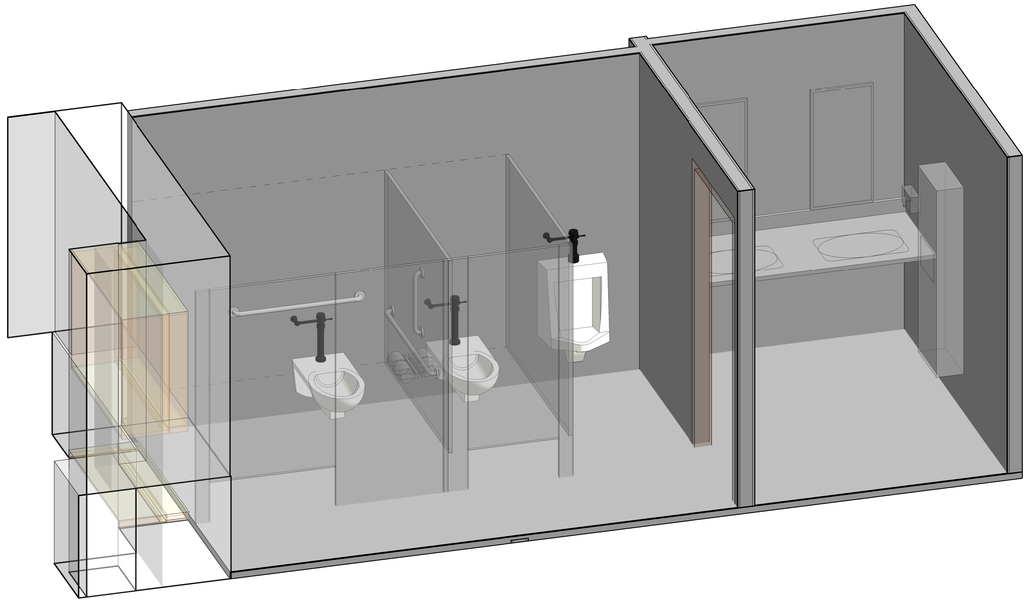
PROJECT NUMBER 203619
ORIGINAL ISSUE - -
PKG. IDENTIFIER 2

PROPOSED THIRD FLOOR SERVICE CORE EAST ENLARGED PLANS

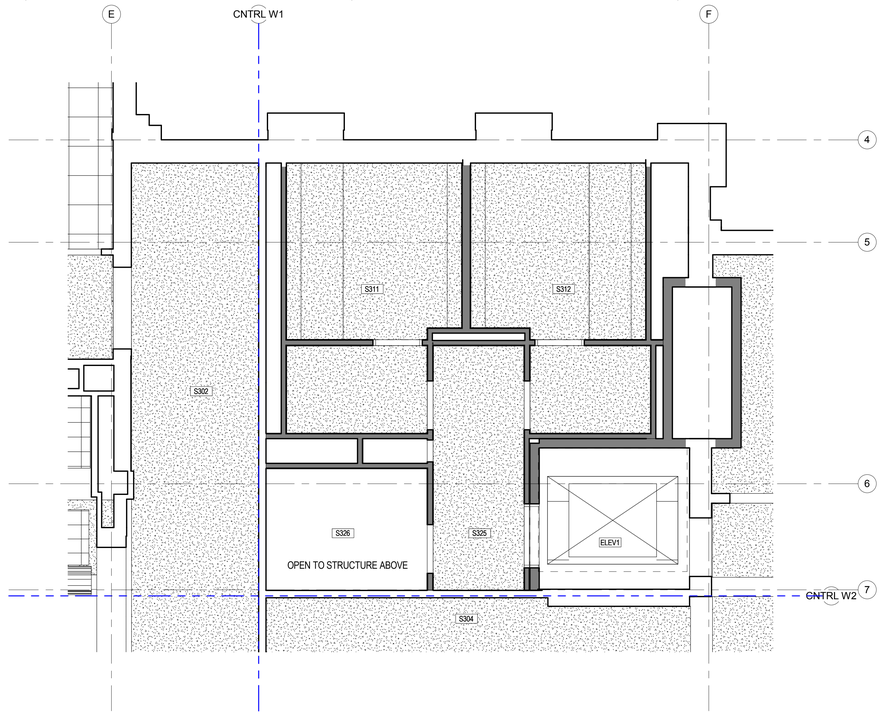
SCALE 1/4" = 1'-0"

2AI512

Schematic Design

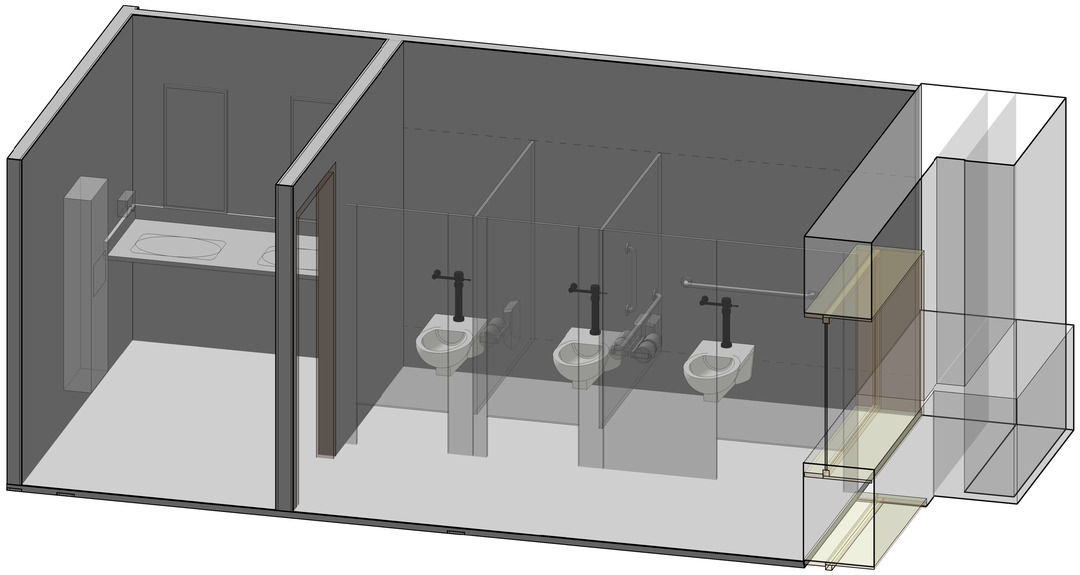


6D PROPOSED 03 - WEST SERVICE CORE - RESTROOMS S312

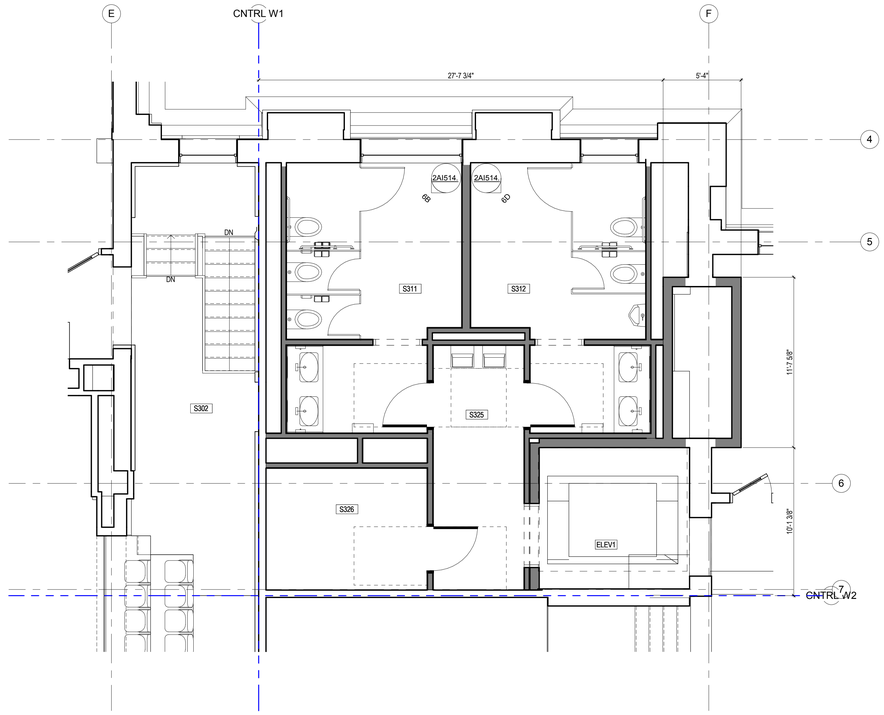


3D WEST SERVICE CORE RCP
1/4" = 1'-0"

3'-0" 1'-0"
4'-0" 2'-0" 0 4'-0" 8'-0" 16'-0"



6B PROPOSED 03 - WEST SERVICE CORE - RESTROOMS S311



3B WEST SERVICE CORE PLAN
1/4" = 1'-0"

3'-0" 1'-0"
4'-0" 2'-0" 0 4'-0" 8'-0" 16'-0"

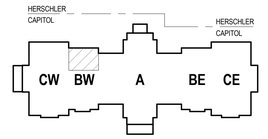
GENERAL NOTES

1. DRAWINGS & SPECIFICATIONS ARE COMPLIMENTARY COMPONENTS OF THE CONTRACT DOCUMENTS. REVIEW ALL DRAWINGS AND SPECIFICATIONS FOR THE COMPLETE SCOPE OF WORK. NOTIFY ARCHITECT IMMEDIATELY FOR CLARIFICATION IF INCONSISTENCIES, CONTRADICTIONS OR OMISSIONS ARE DISCOVERED.
2. DO NOT SCALE DRAWINGS. IF DIMENSIONAL INFORMATION IS REQUIRED & NOT FOUND, NOTIFY ARCHITECT IMMEDIATELY FOR CLARIFICATION.
3. ALL DIMENSIONS ARE TO COLUMN CENTERLINES OR FACE OF FINISHED WALLS OR SURFACES UNLESS NOTED OTHERWISE.
4. REFER TO DEMOLITION DRAWINGS, IF ANY, FOR WORK REQUIRED IN ADVANCE OF CONSTRUCTION AND COORDINATE ACCORDINGLY.
5. ALL DOOR FRAMES ARE TO BE INSTALLED 4" AWAY OF ADJACENT PERPENDICULAR WALLS UNLESS NOTED OTHERWISE.
6. REFER TO LIFE SAFETY DRAWINGS FOR ADDITIONAL FIRE / SMOKE RATING REQUIREMENTS.
7. REFER TO EQUIPMENT DRAWINGS FOR ADDITIONAL EQUIPMENT SPECIFIC INFORMATION.
8. REFER TO INTERIOR FINISH DRAWINGS FOR ADDITIONAL INTERIOR FINISH SPECIFIC INFORMATION.
9. REFER TO STRUCTURAL DRAWINGS FOR ADDITIONAL STRUCTURAL SPECIFIC INFORMATION.
10. REFER TO MEP DRAWINGS FOR ADDITIONAL MEP SPECIFIC INFORMATION.
11. ALL NON-LOAD BEARING INTERIOR WALLS ARE TYPE "A" UNLESS NOTED OTHERWISE.
12. HIGHER RATED FIRE WALLS TAKE PRECEDENCE OVER LOWER RATED WALLS & ARE TO CONTINUE THROUGH ALL SUCH INTERSECTIONS.
13. ALL SMOKE BARRIER WALLS ARE TO EXTENDED FROM BACK SIDE OF EXTERIOR WALL SHEATHING TO BACK SIDE OF EXTERIOR WALL SHEATHING OR ANOTHER SMOKE BARRIER WALL.

CONSTRUCTION NOTES

GRAPHIC LEGEND

KEY PLAN



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MARK	DATE	DESCRIPTION
1	2014/12/19	SD OWNER REVIEW

PROJECT NUMBER 203619
ORIGINAL ISSUE - -
PKG. IDENTIFIER 2

PROPOSED THIRD FLOOR SERVICE CORE WEST ENLARGED PLANS

SCALE 1/4" = 1'-0"

2AI514

Schematic Design

MECHANICAL SYMBOL LIST

TS	TEMPERATURE SENSOR ELECTRIC		
TS H	COMBINATION TEMPERATURE SENSOR/HUMIDISTAT	T	THERMOSTAT (SPACE) ELECTRIC
T	THERMOSTAT (DUCT)	H	HUMIDISTAT
P	DIFFERENTIAL PRESSURE SENSOR	S	SWITCH
BG BG	BREAK GLASS STATION	Fs	FIRESTAT
		Fz	FREEZESTAT
G	NATURAL GAS DETECTOR	C S	CARBON MONOXIDE DETECTOR 'S' INDICATES STAND ALONE TYPE
CO2	CARBON DIOXIDE SENSOR	DDC PDP CAC	DIRECT DIGITAL CONTROL PANEL
	THERMOMETER	1	HVAC FLOOR PLAN KEY NOTES
	SUPPLY AIR OUTLET, 4 WAY		DUCT SECTION UNDER POSITIVE PRESSURE
	RETURN AIR REGISTER		DUCT SECTION UNDER NEGATIVE PRESSURE
	SUPPLY AIR OUTLET - 3, 2 & 1 WAY THROW		SOUND LINING IN DUCT
	DUCTWORK GOING UP		KITCHEN EXHAUST DUCT WITH LATH 2" CALCIUM SILICATE INSULATION AND 2 HOUR RATED ENCLOSURE. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
	DUCTWORK GOING DOWN	SD	SMOKE DAMPER WITH DUCT ACCESS DOOR. COORDINATE WITH GENERAL CONTRACTOR TO PROVIDE ACCESS DOORS IN INACCESSIBLE LOCATIONS
FSD SMK FSD	FIRE SMOKE DAMPER WITH DUCT ACCESS DOOR. COORDINATE WITH GENERAL CONTRACTOR TO PROVIDE ACCESS DOORS IN INACCESSIBLE LOCATIONS 3HR - 3 HOUR RATED FSD		DUCT THROUGH BEAM PENETRATION. REFER TO STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION.
18 x 12	DUCT SIZE - FIRST SIZE INDICATES PLAN SIZE	A.D.	ACCESS DOOR IN DUCT
DSD	DUCT SMOKE DETECTOR HEAD IN DUCT		DUCT FLEXIBLE CONNECTION
L	VOLUME DAMPER		SPIN-IN FITTING WITH VOLUME DAMPER
R	SLOPING RISE IN DUCTWORK	D	SLOPING DROP IN DUCTWORK
4 FD	FUSIBLE LINK FIRE DAMPER WITH ACCESS DOOR. COORDINATE WITH GENERAL CONTRACTOR TO PROVIDE ACCESS DOORS IN INACCESSIBLE LOCATIONS		RETURN OPENING ABOVE H.C. (1 SQ. FT. UNLESS OTHERWISE NOTED)
MD	MOTORIZED DAMPER	FCU	FAN COIL UNIT
L	LOUVER DOOR		
U	UNDERCUT DOOR	FCU ST	FAN COIL UNIT WITH SOUND TRAP
CB-A	CHILLED BEAM - 2x"A" "A" DENOTES LENGTH		
	CHILLED BEAM - 2x2 4-WAY		

MECHANICAL PIPING SYMBOL LIST

	THERMOMETER		PUMP
SR	HOT WATER SUPPLY OR RETURN RISER RISER NUMBER	CHWS CHWR HWS HWR	CHILLED WATER SUPPLY AND RETURN. -"G" DENOTES PROPYLENE GLYCOL. HOT WATER SUPPLY AND RETURN. -"G" DENOTES PROPYLENE GLYCOL.
	STRAINER 'Y' TYPE WITH BLOWDOWN VALVE		COMBINATION BALANCING & SHUT-OFF VALVE
	PIPE UP		SHUT-OFF VALVE
	PIPE DOWN		SHUT-OFF VALVE WITH CAPPED DRAIN FITTING
	THROTTLING VALVE		AUTOMATIC TWO-WAY CONTROL VALVE
	CHECK VALVE		AUTOMATIC THREE-WAY CONTROL VALVE
	ELECTRIC CONTROL VALVE		UNION
	CONTROL VALVE STATION		ECCENTRIC REDUCER
EJ	PIPE EXPANSION JOINT		RELIEF VALVE
A	AIR LINE		PLUG FOR PRESSURE GAUGE & THERMOMETER CONNECTION
V	VENT LINE		THERMOMETER
TDV	TRIPLE DUTY VALVE		MANUAL AIR VENT
SD	SUCTION DIFFUSER	A	AUTOMATIC AIR VENT
	PRESSURE GAUGE		DIRT POCKET
	PRESSURE RELIEF VALVE		ARROW INDICATES DIRECTION OF FLOW
	COLD WATER MAKE UP LINE	PD	PUMPED CONDENSATE DRAIN
	ARROW INDICATES DIRECTION OF FLOW	D	DRAIN LINE
DP	DIFFERENTIAL PRESSURE TRANSMITTER		
CVA	CHILLED BEAM CONTROL VALVE TRAIN		

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PKG. IDENTIFIER 2

MECHANICAL SYMBOL LIST

SCALE NOT TO SCALE

2MI001

Schematic Design

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GENERAL NOTE:

1. ALL WORK SHALL COMPLY WITH ALL CURRENT APPLICABLE LOCAL AND NATIONAL BUILDING CODES AND NFPA #90A.
2. PRIOR TO BID, THE MECHANICAL CONTRACTOR SHALL VISIT THE SITE AND EXAMINE ALL PROJECT DRAWINGS TO DEVELOP A COMPLETE UNDERSTANDING OF THE PROJECT SCOPE. FAILURE TO VISIT AND REVIEW ALL CONTRACT DRAWINGS WILL NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY TO PERFORM ALL WORK REQUIRED. THE CONTRACTOR SHALL, UPON REVIEW OF THE DRAWINGS, ADVISE THE OWNER REPRESENTATIVE OF ANY DISCREPANCIES WHICH WILL AFFECT THE WORK REQUIRED.
3. COORDINATE WITH A ABC CIR EBB CERTIFIED TESTING AND BALANCING CONTRACTOR TO HAVE THE NEW MECHANICAL SYSTEM SHOWN TESTED AND BALANCED. THE BALANCING SHALL INCLUDE ALL AIR DEVICES WHICH SERVE THE AREAS NOTED ON PLAN. THE SYSTEM SHALL BE CHECKED FOR VIBRATION AND EXCESSIVE NOISE AND ALL SUCH CONDITIONS CORRECTED. THE CONTRACTOR SHALL CORRECT ALL CONDITIONS NOTED BY THE TESTING AND BALANCING CONTRACTOR UNTIL ALL DEVICES ARE PRODUCING THEIR DESIGN CAPACITY AND ALL CONTROLS ARE PERFORMING TO THE SATISFACTION OF OWNER.
4. ALL SALVAGEABLE MATERIALS AND/OR EQUIPMENT REMOVED SHALL BE RETURNED TO OWNER OR DISPOSED OF AT OWNER'S DISCRETION. THE CONTRACTOR SHALL CONFIRM EXISTING CONDITIONS, BEFORE START OF WORK, ANY DISCREPANCIES NOTED BETWEEN THOSE DOCUMENTS AND WHAT IS INDICATED ON THIS DRAWING IS TO BE BROUGHT TO THE ATTENTION OF THE OWNER REPRESENTATIVE BEFORE PROCEEDING.
5. THE DRAWINGS ARE DIAGRAMMATIC IN NATURE, AND SHOW THE GENERAL LOCATION OF DUCTWORK, PIPING, AND EQUIPMENT. THE DRAWINGS DO NOT SHOW ALL NECESSARY OFFSETS, TRANSITIONS, AND ADJUSTMENTS NECESSITATED BY COORDINATION WITH OTHER TRADES. THE COST OF ALL OFFSETS, TRANSITIONS, AND ADJUSTMENTS NECESSITATED BY COORDINATION WITH OTHER TRADES SHALL BE INCLUDED IN THE CONTRACTOR'S BID QUOTATION FOR WORK UNDER DIVISION 23.
6. COORDINATION WITH OTHER TRADES. EXAMINE AND REVIEW THE CONTRACT DOCUMENTS ALL DIVISION OF THE SPECIFICATIONS TO COORDINATE THE INSTALLATION OF WORK UNDER DIVISION 23 WITH THE INSTALLATION OF WORK BY OTHER DIVISIONS. DIMENSIONED ARCHITECTURAL AND STRUCTURAL CONTRACT DRAWINGS SHALL BE USED FOR VERIFYING THE SPACE NECESSARY FOR LOCATING PIPING, DUCTWORK, AND EQUIPMENT. FIELD MEASUREMENTS SHALL BE USED TO VERIFY DIMENSIONS WHERE AREAS ARE CONGESTED, AND EXACT LOCATION IS CRITICAL TO ASSURE PROPER INSTALLATION. COORDINATION BY DIVISION 23 SHALL INCLUDE, BUT NOT BE LIMITED TO, VERIFYING THE LOCATION AND SIZE OF OPENINGS IN FLOORS, WALLS, PARTITIONS, CEILINGS, AND ROOFS WITH THE INSTALLING TRADES, ALLOCATION OF SPACE WITH OTHER TRADES INSTALLING WORK IN CHASES, SHAFTS, CEILING INTERSTITIAL SPACES, AND EQUIPMENT SPACES; AND THE PHASING OF INSTALLATION WORK UNDER DIVISION 23 WITH THAT OF OTHER TRADES. THE CONTRACTOR SHALL PROVIDE AND INSTALL A COMPLETE FIRST CLASS SYSTEM. THE CONTRACTOR SHALL COORDINATE THE WORK WITH OTHER TRADES. SHALL FURNISH AND INSTALL ALL NECESSARY EQUIPMENT REQUIRED, INCLUDING CONTROLS, DUCTWORK, HANGERS, INSULATION, CEILING DIFFUSERS, DAMPERS AND HARDWARE FOR A COMPLETE AND FUNCTIONAL HVAC SYSTEM. THE CONTRACTOR IS RESPONSIBLE FOR REVIEWING THE DRAWINGS FOR SPECIAL NOTES, DIMENSIONS, ETC., AND/OR TO COORDINATE HIS WORK WITH THE OTHER TRADES INVOLVED. THIS INCLUDES ALLOWING SPACE FOR HANGERS, LIGHTS AND PIPING.
7. EQUIPMENT: ALL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S PRINTED INSTALLATION INSTRUCTIONS, THE SPECIFICATIONS, AND APPROVED SHOP DRAWINGS. SERVICE AND OPERATING CLEARANCES AROUND ALL SIDES OF EACH PIECE OF EQUIPMENT SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S PRINTED REQUIREMENTS AND RECOMMENDATIONS. ALL FLOOR-MOUNTED EQUIPMENT SHALL BE PLACED ON 4" HIGH CONCRETE HOUSEKEEPING PADS EXTENDING 6" BEYOND THE EQUIPMENT ON ALL SIDES. THE CONTRACTOR SHALL PROVIDE AND INSTALL ALL ITEMS NECESSARY FOR THE COMPLETE INSTALLATION OF THE EQUIPMENT AS REQUIRED BY CODE WITHOUT ADDITIONAL COST TO THE OWNER, REGARDLESS WHETHER THE ITEMS ARE SHOWN ON THE PLAN OR NOT. SUCH ITEMS COULD BE, BUT ARE NOT LIMITED TO SUPPORTS, ACCESS CLEARANCES, VIBRATION ELIMINATORS, MOTOR CONTROLLERS, INSULATION, ELECTRICAL WIRING, LUBRICATION, REFRIGERANTS, START-UP AND SERVICE, ETC. COVER & PROTECT WITH PLASTIC ALL HVAC EQUIPMENT DURING DEMOLITION AND NEW CONSTRUCTION FROM DUST, DIRT, ETC. REMOVE PROTECTIVE PLASTIC UPON COMPLETION OF WORK AND PRIOR TO OCCUPANCY. PROVIDE FLEXIBLE CONNECTOR AT THE INLET & DISCHARGE OF ALL FANS, AIR HANDLING UNITS (AHU), FAN COIL UNITS (CU), AND BLOWER COIL UNITS (BC).
8. DUCTWORK: ALL DUCTWORK SHALL BE FABRICATED AND INSTALLED IN ACCORDANCE WITH THE SPECIFICATIONS, THE PLANS AND DETAILS. ALL DIFFUSERS SHALL BE COORDINATED WITH THE ARCHITECTURAL REFLECTED CEILING PLANS. PROVIDE ACCESS DOORS IN DUCTWORK FOR ALL FIRE DAMPERS, SMOKE DAMPERS, CONTROL DAMPERS, DUCT-MOUNTED COILS, AIRFLOW MEASURING STATIONS, AND CONTROL DEVICES. ACCESS DOORS SHALL BE SIZED AS INDICATED ON THE DRAWINGS AND SHALL BE LOCATED AS NECESSARY FOR INSPECTION, MAINTENANCE, CLEANING , AND ADJUSTMENT DICTATES, OR AS REQUIRED BY THE MANUFACTURER. PROVIDE REMOTE OPERATING DEVICES FOR ALL AIR BALANCING DEVICES LOCATED ABOVE INACCESSIBLE CEILINGS, UNLESS AN ACCESS DOOR HAS BEEN INDICATED ON THE ARCHITECTURAL DRAWINGS FOR THAT PURPOSE. ALL SUPPLY, RETURN AND EXHAUST DUCT ELBOWS, EXCEPT FOR TOILET EXHAUST, SHALL HAVE TURNING VANES. ALL NEW SUPPLY AND RETURN DUCTWORK SHALL BE SOUND LINED WITH 1" (1 1/2 LB. PER CUBIC FOOT DENSITY) ACOUSTICAL DUCT LINER. UNLESS OTHERWISE SPECIFIED, DUCT PRESSURE CLASS IS -/2" W.G. SEAL CLASS A. NEW FLEXIBLE DUCTWORK SHALL BE UL 181 CLASS 1 INSULATED TYPE FLEXIBLE AIR DUCT, MAXIMUM 6 FEET LONG FROM TRUNK LINE. CONTRACTOR SHALL USE HARD SPIRAL WOUND ROUND DUCTWORK FOR LENGTHS OVER 6'-0". HARD DUCTWORK SHALL BE USED THRU WALL PENETRATIONS. FLEXIBLE DUCTWORK SHALL BE CONNECTED TO TRUNK LINE USING AIR TIGHT COLLARS WITH GASKETS. FLEXIBLE DUCT SIZE SHALL BE THE SAME AS DIFFUSER NECK SIZE, UNLESS OTHERWISE NOTED. PROVIDE TRANSITIONS AND ACCESSORIES REQUIRED TO CONNECT TO AND FROM HARD DUCT. SUPPORT W/ 1" WIDE STRAPS AS PER SMACNA MANUAL. ALL NEW DUCTWORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH SMACNA (SHEET METAL AND AIR CONDITIONING CONTRACTORS NATIONAL ASSOCIATION) DUCT STANDARDS AND ASHRAE (AMERICAN SOCIETY OF HEATING, REFRIGERATION AND AIR CONDITIONING ENGINEERS) RECOMMENDATIONS. DUCT SIZES SHOWN ARE NET INSIDE DIMENSIONS.
9. PIPING: ALL PIPING SHALL BE FABRICATED AND INSTALLED IN ACCORDANCE WITH THE SPECIFICATIONS, THE PIPING PLANS AND DETAILS, AND THE PIPE INSULATION SCHEDULE. PIPING SCHEMATICS AND DIAGRAMS SHOW ONLY THE BASIC FLOW PATTERN AND EQUIPMENT ARRANGEMENT, AND DO NOT SHOW ALL TERMINAL EQUIPMENT CONNECTED TO THE SYSTEM. REFER TO THE PLANS AND SECTIONS FOR DETAILED SYSTEM LAYOUT. DUCTWORK SHOWN ON PIPING DRAWINGS IS FOR REFERENCE ONLY. REFER TO THE DUCTWORK DRAWINGS FOR DETAILED LAYOUT AND ALL PIPING TO TERMINAL EQUIPMENT SHALL BE 3/4" MINIMUM PIPE SIZE, UNLESS OTHERWISE NOTED. MANUAL AIR VENTS SHALL BE PROVIDED AT ALL HIGH POINTS IN THE PIPING SYSTEM. 3/4" HOSE BIBB TYPE DRAIN VALVES SHALL BE PROVIDED AT ALL LOW POINTS IN THE PIPING SYSTEM TO ASSURE COMPLETE DRAINABILITY OF THE SYSTEM. DRAIN VALVES AND AIR VENTS SHALL BE TERMINATED IN ACCESSIBLE LOCATIONS. ALL WATER PIPING EXPOSED TO WEATHER OR FREEZING TEMPERATURES SHALL BE ELECTRICALLY HEAT TRACED AS SPECIFIED.
10. SMOKE DAMPERS SHALL BE ACTIVATED BY LOCAL SMOKE DETECTOR.

MECHANICAL ABBREVIATIONS

AD	ACCESS DOOR	LD	LINEAR DIFFUSER
AFF	ABOVE FINISHED FLOOR	MBH	THOUSAND BTU'S PER HOUR
AL	ACOUSTICAL LINING	NK	NECK (AS RELATED TO DUCT & DIFFUSER)
AHU	AIR HANDLING UNIT	NIC	NOT IN THIS CONTRACT
BG	BOTTOM GRILLE	NTS	NOT TO SCALE
BN	BOTTOM NECK	NC	NORMALLY CLOSED
CAV	CONSTANT AIR VOLUME	NO	NORMALLY OPEN
CB	CHILLED BEAM	OAD	OUTSIDE AIR DAMPER
CC	COOLING COIL	OAI	OUTSIDE AIR INTAKE
CD	CEILING DIFFUSER	OED	OPEN END DUCT WITH WMS
CG	CEILING GRILLE	RA	RETURN AIR
CHW	CHILLED WATER	RHC	REHEAT COIL
COD	CLEAN OUT DOOR	RTU	ROOFTOP UNIT
CR	CEILING REGISTER	SD	SMOKE DAMPER AND ACCESS DOOR
CFM	CUBIC FEET OF AIR PER MINUTE	SPD	FIRE SMOKE DAMPER USED FOR SMOKE PURGE
CUH	CABINET UNIT HEATER	SMJA	MAKE UP AIR FOR SMOKE PURGE SYSTEM
DSD	DUCT MOUNTED SMOKE DETECTOR	SPX	SMOKE PURGE EXHAUST AIR
EDH	ELECTRIC DUCT HEATER	ST	SOUND ATTENUATOR
EUH	ELECTRIC UNIT HEATER	SX	SMOKE EXHAUST
EA	EXHAUST AIR	SWEH	SIDE WALL ELECTRIC HEATER
EL	ELEVATION	TX	TOILET EXHAUST
FD	FIRE DAMPER AND ACCESS DOOR	TW	THERMOMETER WELL
FSD	FIRE SMOKE DAMPER AND ACCESS DOOR	TD	TRANSFER DUCT
FC	FLEXIBLE CONNECTION	TO	TRANSFER OPENING
FOD	FLAT OVAL DUCT	TG	TOP GRILLE
FOS&R	FUEL OIL SUPPLY AND RETURN	TR	TOP REGISTER
GPM	GALLONS PER MINUTE	TRG	TRANSFER GRILLE
GW	GLYCOL WATER	TRR	TRANSFER REGISTER
GX	GENERAL EXHAUST	TN	TOP NECK
HC	HEATING COIL	UH	UNIT HEATER
HV	HEATING AND VENTILATING UNIT	VAV	VARIABLE AIR VOLUME
HWR	HOT WATER RETURN	WMS	WIRE MESH SCREEN
HWS	HOT WATER SUPPLY		
LE	LAB EXHAUST		

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MECHANICAL NOTES & ABBREVIATIONS

SCALE NOT TO SCALE

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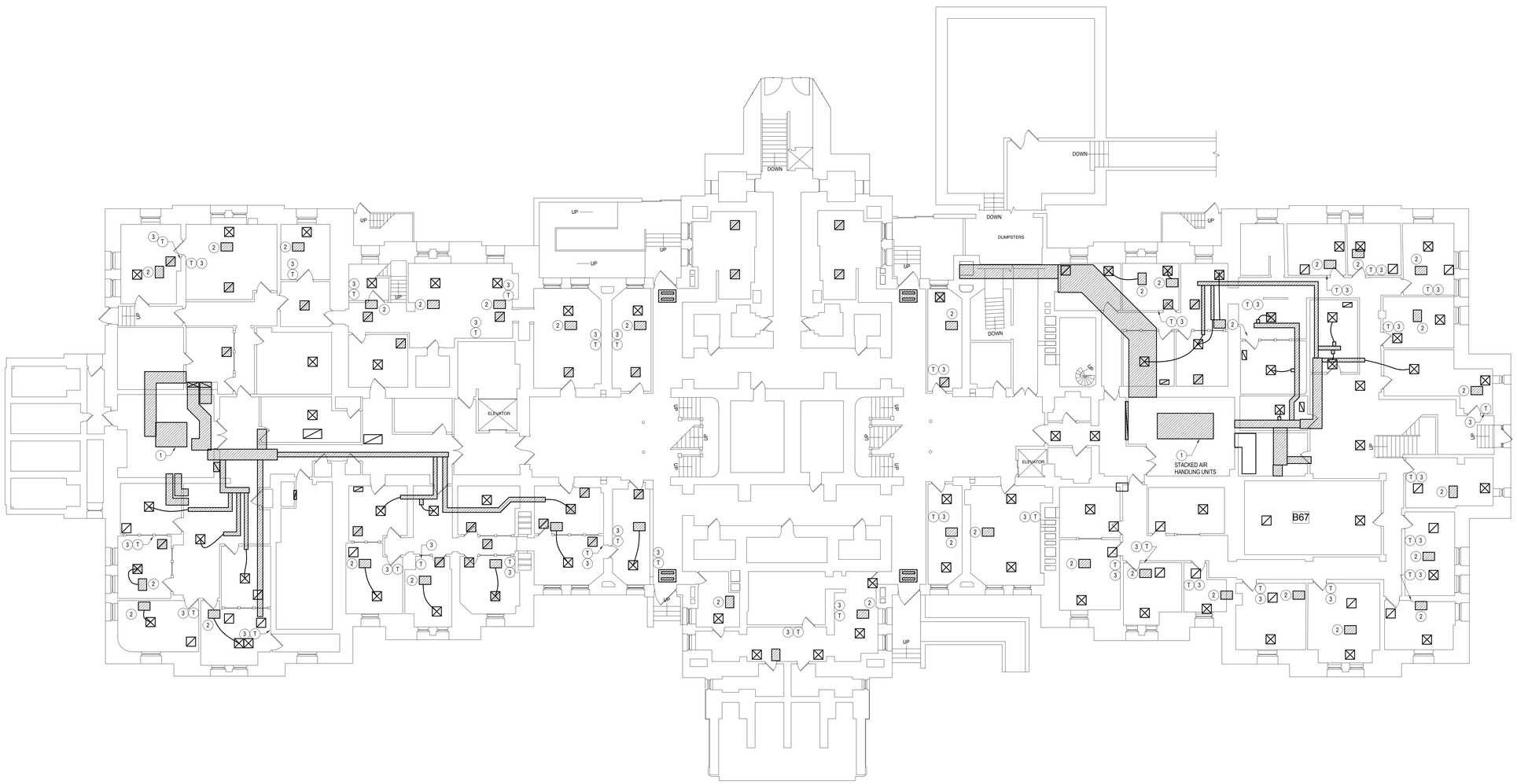


1 SELECTIVE REMOVAL GARDEN LEVEL FOUNDATION PLAN
1" = 10'-0"

7'-6" 2'-6"
10'-0" 5'-0" 0 10'-0" 20'-0" 40'-0"

GENERAL NOTES

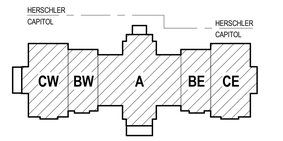
1. ALL EXISTING MECHANICAL, EQUIPMENT, PIPING, DUCTWORK, AIR TERMINALS, CONTROL WIRING, CONDUIT AND ALL ASSOCIATED SUPPORTS SHALL BE REMOVED THROUGHOUT THE ENTIRE BUILDING.
2. EXISTING MECHANICAL EQUIPMENT, PIPING, DUCTWORK, AIR TERMINALS, CONTROL WIRING AND CONDUIT SHOWN REPRESENT EXISTING CONDITIONS OBTAINED FROM EXISTING DRAWINGS AND SITE PHOTOGRAPHS. EXISTING CONDITIONS SHOWN DO NOT REPRESENT ALL REMOVAL SCOPE. AS EXISTING DRAWINGS DOCUMENTATION IS INCOMPLETE, AREAS BLOCKED BY FURNITURE AND OTHER EXISTING CONDITIONS COULD NOT BE VERIFIED. EXISTING DUCTOWRK AND PIPING ARE CONCEALED. THEREFORE, REMOVAL SCOPE IDENTIFIED IN NOTE #1 ABOVE SHALL NOT BE LIMITED TO EXISTING CONDITIONS SHOWN.

CONSTRUCTION NOTES

(#) NUMBER	KEYNOTE
1.	DISCONNECT AND REMOVE AIR HANDLING UNIT INCLUDING, SUPPORT HANGERS, VIBRATION ISOLATORS, SUPPLY AIR DUCT, RETURN AIR DUCT, RELIEF AIR DUCT, OUTSIDE AIR INTAKE, FLEXIBLE CONNECTION, DIFFUSERS, GRILLES, CHILLED WATER SUPPLY AND RETURN, HOT WATER SUPPLY AND RETURN, STEAM SUPPLY AND CONDENSATE RETURN WHERE APPLICABLE; CIRCULATION PUMP WHERE APPLICABLE; DRAIN PAN, CONDENSATE DRAIN, ALL IN THEIR ENTIRETY.
2.	DISCONNECT AND REMOVE FAN COIL UNIT INCLUDING, SUPPORT HANGERS, VIBRATION ISOLATORS, SUPPLY AIR DUCT, RETURN AIR DUCT, RELIEF AIR DUCT, OUTSIDE AIR INTAKE, FLEXIBLE CONNECTION, DIFFUSERS, GRILLES, CHILLED WATER SUPPLY AND RETURN, HOT WATER SUPPLY AND RETURN; STEAM SUPPLY AND CONDENSATE RETURN WHERE APPLICABLE; CIRCULATION PUMP WHERE APPLICABLE; DRAIN PAN, CONDENSATE DRAIN; ALL IN THEIR ENTIRETY.
3.	DISCONNECT AND REMOVE THERMOSTATS, ELECTRIC CONTROL WIRING AND PNEUMATIC CONTROL AIR TUBING IN THEIR ENTIRETY.
4.	DISCONNECT AND REMOVE EXHAUST AIR FAN, CONNECTING DUCT, DISCHARGE AIR DUCT, DAMPERS, FLEXIBLE CONNECTORS IN THEIR ENTIRETY.
5.	DISCONNECT AND REMOVE HOT WATER OR STEAM (WHERE APPLICABLE) FIN-TUBE CONVECTOR, HOT WATER PIPING, CONTROL VALVES, IN THEIR ENTIRETY.
6.	DISCONNECT ALL DUCTS & PIPING IN CHASE.
7.	DISCONNECT AND REMOVE LOW PRESSURE STEAM/RETURN PIPING IN CEILING.
8.	DISCONNECT AND REMOVE LOW PRESSURE RETURN PIPING BELOW FLOOR.
9.	DISCONNECT AND REMOVE EXISTING LPS/LPR PIPING ABOVE CEILING AND ROUTED UP THROUGH FLOOR TO EXISTING FAN COIL UNIT ON FIRST FLOOR.
10.	DISCONNECT AND REMOVE EXISTING LPS/LPR PIPING ABOVE CEILING AND ROUTED UP THROUGH FLOOR TO SERVE EXISTING FAN COIL UNITS ON UPPER FLOORS.
11.	DISCONNECT AND REMOVE EXISTING CHILLED WATER SUPPLY/RETURN PIPING ABOVE CEILING.
12.	DISCONNECT AND REMOVE EXISTING CHILLED WATER SUPPLY/RETURN PIPING ABOVE CEILING AND ROUTED UP THOUGH FLOOR TO FAN COIL UNIT ON FLOOR ABOVE.

GRAPHIC LEGEND

KEY PLAN



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PKG. IDENTIFIER **2**

SELECTIVE REMOVAL GARDEN LEVEL MECHANICAL PLAN

SCALE As indicated

2MD100H

Schematic Design

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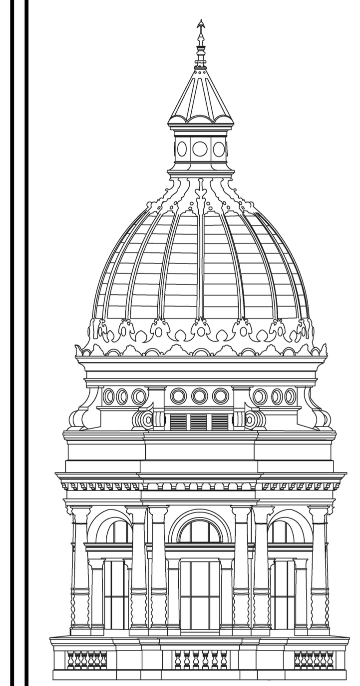

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HDR PDP PLANET

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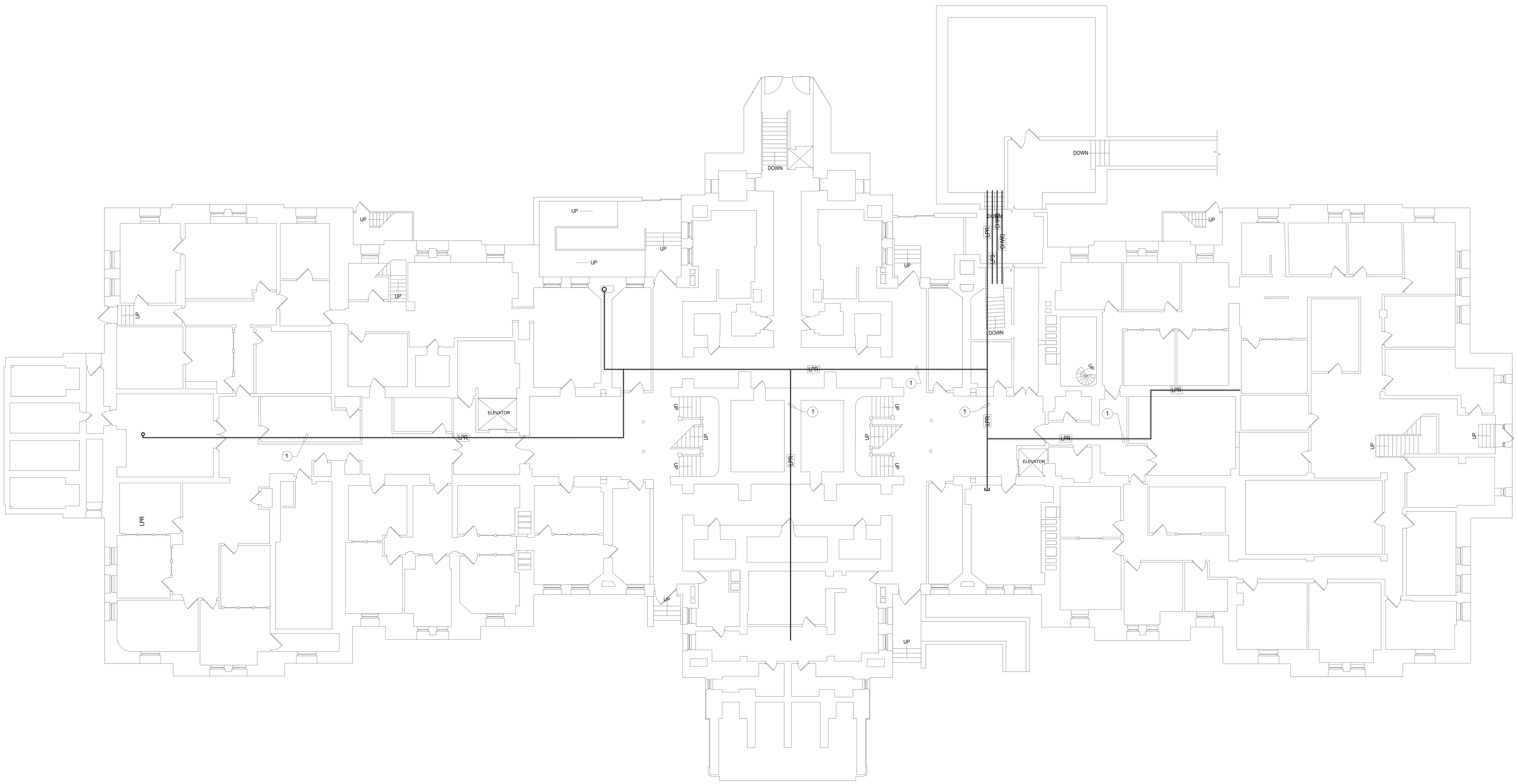


1 SELECTIVE REMOVAL FOUNDATION MECHANICAL PIPING PLAN
1" = 10'-0"

7'-6" 2'-6"
10'-0" 5'-0" 0 10'-0" 20'-0" 40'-0"

PRELIMINARY
NOT FOR CONSTRUCTION

GENERAL NOTES

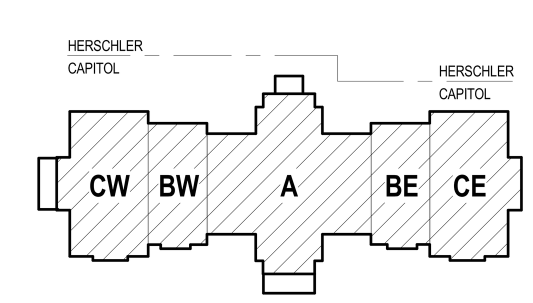
1. ALL EXISTING MECHANICAL EQUIPMENT, PIPING, DUCTWORK, AIR TERMINALS, CONTROL WIRING, CONDUIT AND ALL ASSOCIATED SUPPORTS SHALL BE REMOVED THROUGHOUT THE ENTIRE BUILDING.
2. EXISTING MECHANICAL EQUIPMENT, PIPING, DUCTWORK, AIR TERMINALS, CONTROL WIRING AND CONDUIT SHOWN REPRESENT EXISTING CONDITIONS OBTAINED FROM EXISTING DRAWINGS AND SITE PHOTOGRAPHS. EXISTING CONDITIONS SHOWN DO NOT REPRESENT ALL REMOVAL SCOPE, AS EXISTING DRAWINGS DOCUMENTATION IS INCOMPLETE, AREAS BLOCKED BY FURNITURE AND OTHER EXISTING CONDITIONS COULD NOT BE VERIFIED. EXISTING DUCTOWRK AND PIPING ARE CONCEALED. THEREFORE, REMOVAL SCOPE IDENTIFIED IN NOTE #1 ABOVE SHALL NOT BE LIMITED TO EXISTING CONDITIONS SHOWN.

CONSTRUCTION NOTES

# NUMBER	KEYNOTE
1.	DISCONNECT AND REMOVE LOW PRESSURE RETURN PIPING BELOW FLOOR.

GRAPHIC LEGEND

KEY PLAN



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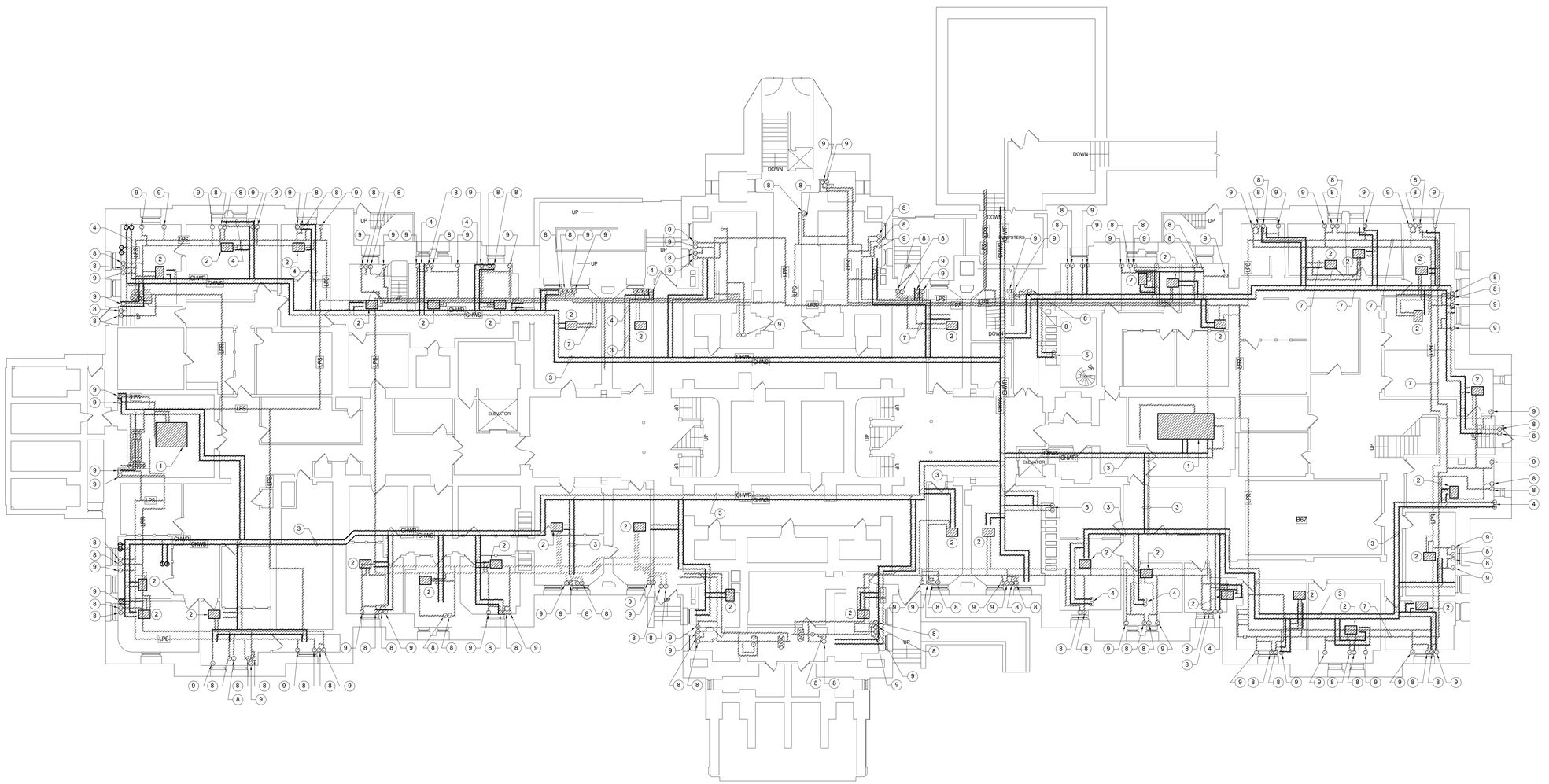
PKG. IDENTIFIER	2

SELECTIVE REMOVAL FOUNDATION MECHANICAL PIPING PLAN

SCALE: As indicated

2MD100PA

Schematic Design



1 SELECTIVE REMOVAL GARDEN LEVEL MECHANICAL PIPING PLAN
1" = 10'-0"

7'-6" 2'-6"
10'-0" 5'-0" 0 10'-0" 20'-0" 40'-0"

GENERAL NOTES

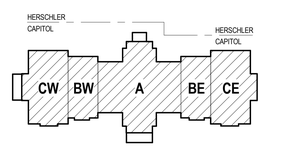
1. ALL EXISTING MECHANICAL, EQUIPMENT, PIPING, DUCTWORK, AIR TERMINALS, CONTROL WIRING, CONDUIT AND ALL ASSOCIATED SUPPORTS SHALL BE REMOVED THROUGHOUT THE ENTIRE BUILDING.
2. EXISTING MECHANICAL EQUIPMENT, PIPING, DUCTWORK, AIR TERMINALS, CONTROL WIRING AND CONDUIT SHOWN REPRESENT EXISTING CONDITIONS OBTAINED FROM EXISTING DRAWINGS AND SITE PHOTOGRAPHS. EXISTING CONDITIONS SHOWN DO NOT REPRESENT ALL REMOVAL SCOPE. AS EXISTING DRAWINGS DOCUMENTATION IS INCOMPLETE, AREAS BLOCKED BY FURNITURE AND OTHER EXISTING CONDITIONS COULD NOT BE VERIFIED. EXISTING DUCTOWRK AND PIPING ARE CONCEALED. THEREFORE, REMOVAL SCOPE IDENTIFIED IN NOTE #1 ABOVE SHALL NOT BE LIMITED TO EXISTING CONDITIONS SHOWN.

CONSTRUCTION NOTES

# NUMBER	KEYNOTE
1.	DISCONNECT AND REMOVE AIR HANDLING UNIT INCLUDING, SUPPORT HANGERS, VIBRATION ISOLATORS, CHILLED WATER SUPPLY AND RETURN, STEAM SUPPLY AND CONDENSATE RETURN WHERE APPLICABLE; CIRCULATION PUMP WHERE APPLICABLE; DRAIN PAN, CONDENSATE DRAIN; ALL IN THEIR ENTIRETY.
2.	DISCONNECT AND REMOVE FAN COIL UNIT INCLUDING, SUPPORT HANGERS, VIBRATION ISOLATORS, CHILLED WATER SUPPLY AND RETURN, HOT WATER SUPPLY AND RETURN; STEAM SUPPLY AND CONDENSATE RETURN WHERE APPLICABLE; CIRCULATION PUMP WHERE APPLICABLE; DRAIN PAN, CONDENSATE DRAIN; ALL IN THEIR ENTIRETY.
3.	DISCONNECT AND REMOVE EXISTING CHILLED WATER SUPPLY/RETURN PIPING ABOVE CEILING.
4.	DISCONNECT AND REMOVE EXISTING CHILLED WATER SUPPLY/RETURN PIPING ABOVE CEILING AND ROUTED UP THOUGH FLOOR TO FAN COIL UNIT ON FLOOR ABOVE.
5.	DISCONNECT AND REMOVE CHILLED WATER RISERS.
6.	NOT USED.
7.	DISCONNECT AND REMOVE LOW PRESSURE STEAM/RETURN PIPING IN CEILING.
8.	DISCONNECT AND REMOVE EXISTING LPS/LPR PIPING ABOVE CEILING AND ROUTED UP THROUGH FLOOR TO EXISTING FAN COIL UNIT ON FIRST FLOOR.
9.	DISCONNECT AND REMOVE EXISTING LPS/LPR PIPING ABOVE CEILING AND ROUTED UP THROUGH FLOOR TO SERVE EXISTING FAN COIL UNITS ON UPPER FLOORS.

GRAPHIC LEGEND

KEY PLAN



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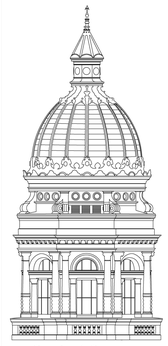

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SELECTIVE REMOVAL GARDEN LEVEL MECHANICAL PIPING PLAN

SCALE As indicated

2MD100PB

Schematic Design

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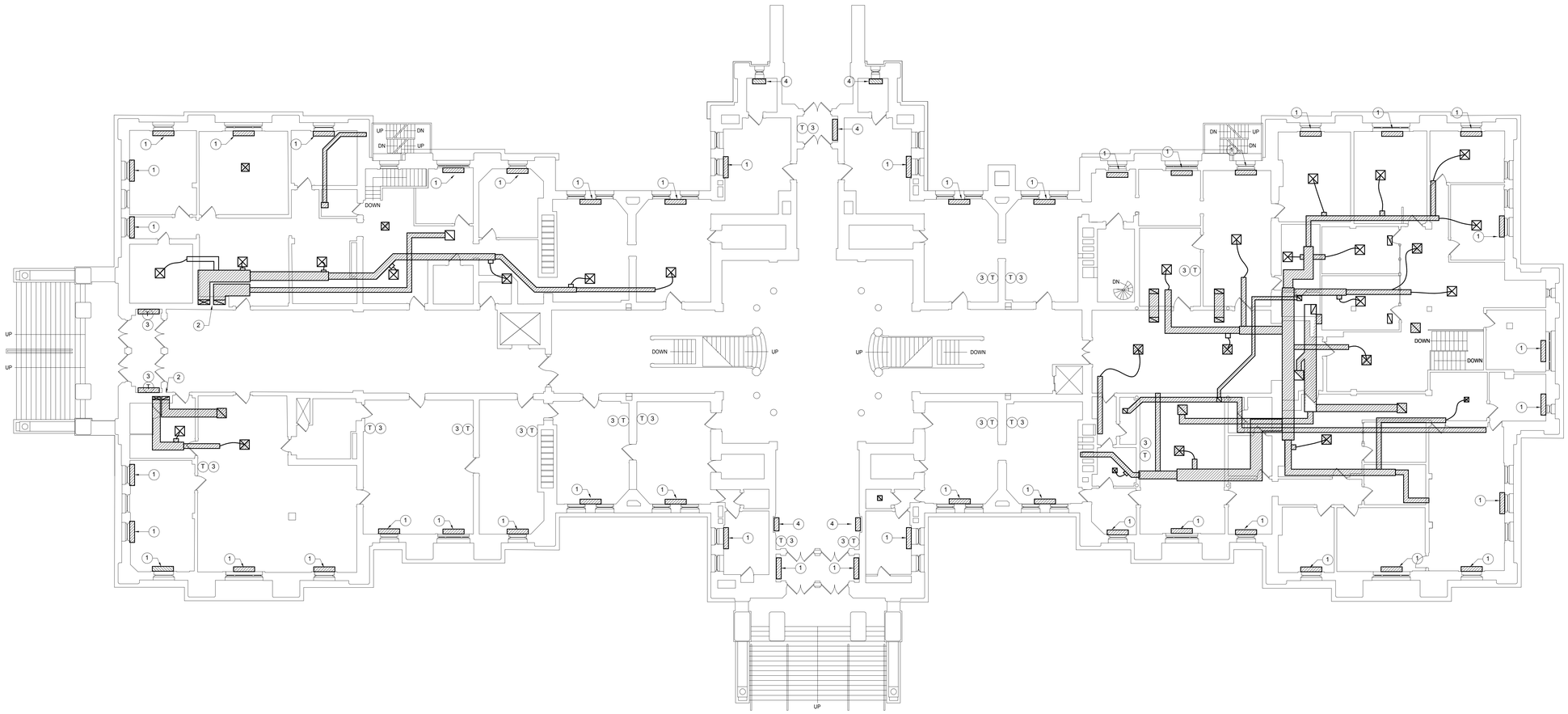


1 SELECTIVE REMOVAL FIRST FLOOR MECHANICAL PLAN
1" = 10'-0"

7'-6" 2'-6"
10'-0" 5'-0" 0 10'-0" 20'-0" 40'-0"

GENERAL NOTES

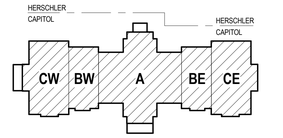
1. ALL EXISTING MECHANICAL EQUIPMENT, PIPING, DUCTWORK, AIR TERMINALS, CONTROL WIRING, CONDUIT AND ALL ASSOCIATED SUPPORTS SHALL BE REMOVED THROUGHOUT THE ENTIRE BUILDING.
2. EXISTING MECHANICAL EQUIPMENT, PIPING, DUCTWORK, AIR TERMINALS, CONTROL WIRING AND CONDUIT SHOWN REPRESENT EXISTING CONDITIONS OBTAINED FROM EXISTING DRAWINGS AND SITE PHOTOGRAPHS. EXISTING CONDITIONS SHOWN DO NOT REPRESENT ALL REMOVAL SCOPE, AS EXISTING DRAWINGS DOCUMENTATION IS INCOMPLETE, AREAS BLOCKED BY FURNITURE AND OTHER EXISTING CONDITIONS COULD NOT BE VERIFIED. EXISTING DUCTOWRK AND PIPING ARE CONCEALED. THEREFORE, REMOVAL SCOPE IDENTIFIED IN NOTE #1 ABOVE SHALL NOT BE LIMITED TO EXISTING CONDITIONS SHOWN.

CONSTRUCTION NOTES

# NUMBER	KEYNOTE
1.	DISCONNECT AND REMOVE FAN COIL UNIT INCLUDING, SUPPORT HANGERS, VIBRATION ISOLATORS, SUPPLY AIR DUCT, RETURN AIR DUCT, RELIEF AIR DUCT, OUTSIDE AIR INTAKE, FLEXIBLE CONNECTION, DIFFUSERS, GRILLES, ALL IN THEIR ENTIRETY.
2.	DISCONNECT AND REMOVE ALL DUCTS IN CHASE.
3.	DISCONNECT AND REMOVE THERMOSTATS, ELECTRIC CONTROL WIRING AND PNEUMATIC CONTROL AIR TUBING IN THEIR ENTIRETY.
4.	DISCONNECT AND REMOVE STEAM RADIATOR.

GRAPHIC LEGEND

KEY PLAN



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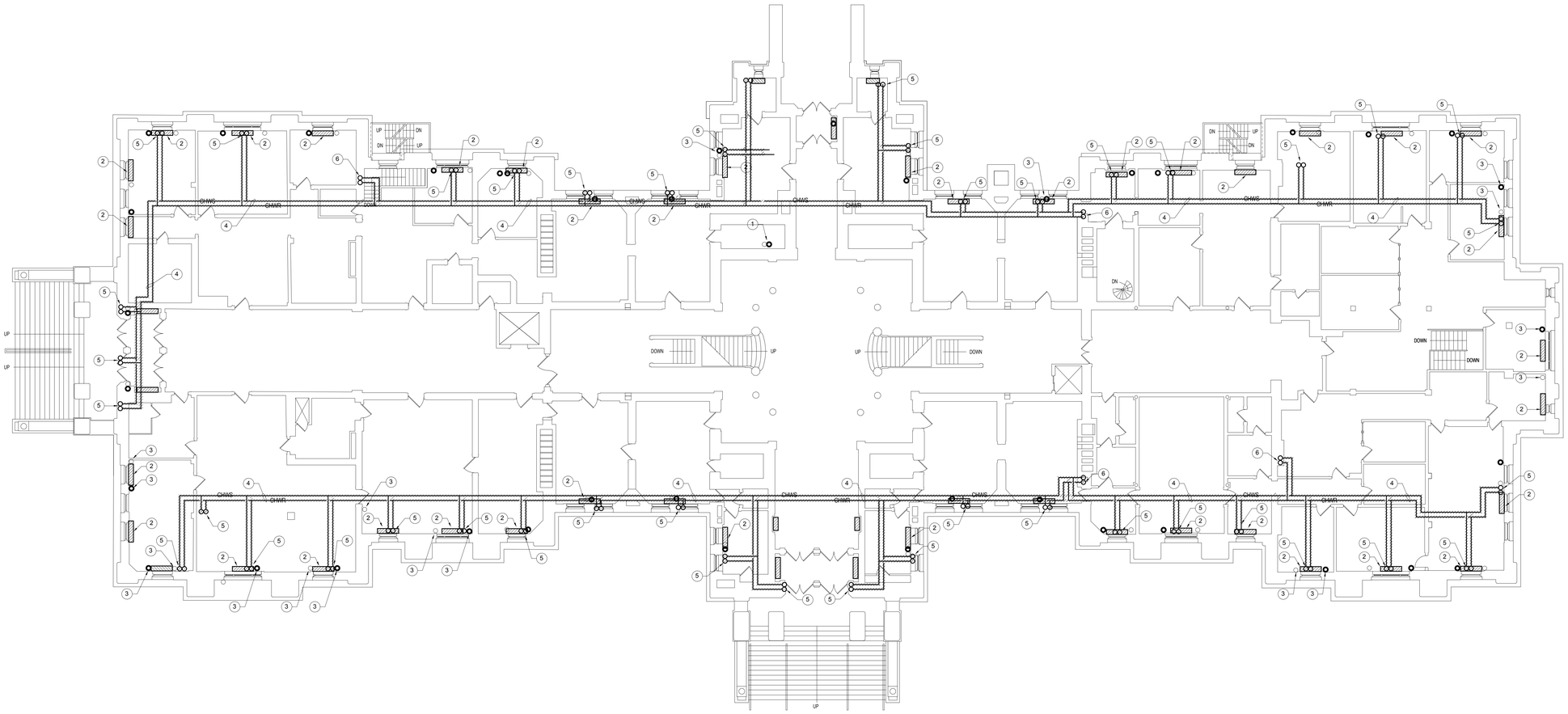
SELECTIVE REMOVAL FIRST FLOOR MECHANICAL PLAN

SCALE	As indicated

2MD101H

Schematic Design



1 FIRST FLOOR MECHANICAL PIPING DEMOLITION PLAN
1" = 10'-0"

7'-6" 2'-6"
10'-0" 5'-0" 0 10'-0" 20'-0" 40'-0"

GENERAL NOTES

1. ALL EXISTING MECHANICAL EQUIPMENT, PIPING, DUCTWORK, AIR TERMINALS, CONTROL WIRING, CONDUIT AND ALL ASSOCIATED SUPPORTS SHALL BE REMOVED THROUGHOUT THE ENTIRE BUILDING.
2. EXISTING MECHANICAL EQUIPMENT, PIPING, DUCTWORK, AIR TERMINALS, CONTROL WIRING AND CONDUIT SHOWN REPRESENT EXISTING CONDITIONS OBTAINED FROM EXISTING DRAWINGS AND SITE PHOTOGRAPHS. EXISTING CONDITIONS SHOWN DO NOT REPRESENT ALL REMOVAL SCOPE. AS EXISTING DRAWINGS DOCUMENTATION IS INCOMPLETE, AREAS BLOCKED BY FURNITURE AND OTHER EXISTING CONDITIONS COULD NOT BE VERIFIED. EXISTING DUCTOWRK AND PIPING ARE CONCEALED. THEREFORE, REMOVAL SCOPE IDENTIFIED IN NOTE #1 ABOVE SHALL NOT BE LIMITED TO EXISTING CONDITIONS SHOWN.

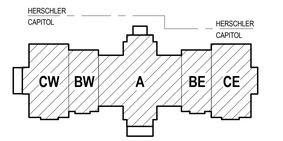
CONSTRUCTION NOTES

(#)

NUMBER	KEYNOTE
1.	DISCONNECT AND REMOVE EXISTING LOW PRESSURE STEAM/CONDENSATE RETURN; CHILLED WATER SUPPLY/RETURN PIPING IN CHASES.
2.	DISCONNECT AND REMOVE EXISTING CHILLED WATER SUPPLY/RETURN, LOW PRESSURE STEAM/CONDENSATE RETURN PIPING CONNECTED TO FAN COIL UNITS, VALVING, CONTROLS, SUPPORTS AND HANGERS.
3.	DISCONNECT AND REMOVE EXISTING LOW PRESSURE STEAM/CONDENSATE RETURN EXPOSED PIPING RISERS ROUTED UP THROUGH FLOOR TO SERVE EXISTING FAN COIL UNITS ON UPPER FLOORS.
4.	DISCONNECT AND REMOVE EXISTING CHILLED WATER SUPPLY/RETURN PIPING ABOVE CEILING.
5.	DISCONNECT AND REMOVE EXISTING CHILLED WATER SUPPLY/RETURN PIPING ABOVE CEILING AND ROUTED UP THRU FLOOR TO EXISTING FAN COIL ON FLOOR ABOVE.
6.	DISCONNECT AND REMOVE EXISTING CHILLED WATER SUPPLY/RETURN RISERS.

GRAPHIC LEGEND

KEY PLAN



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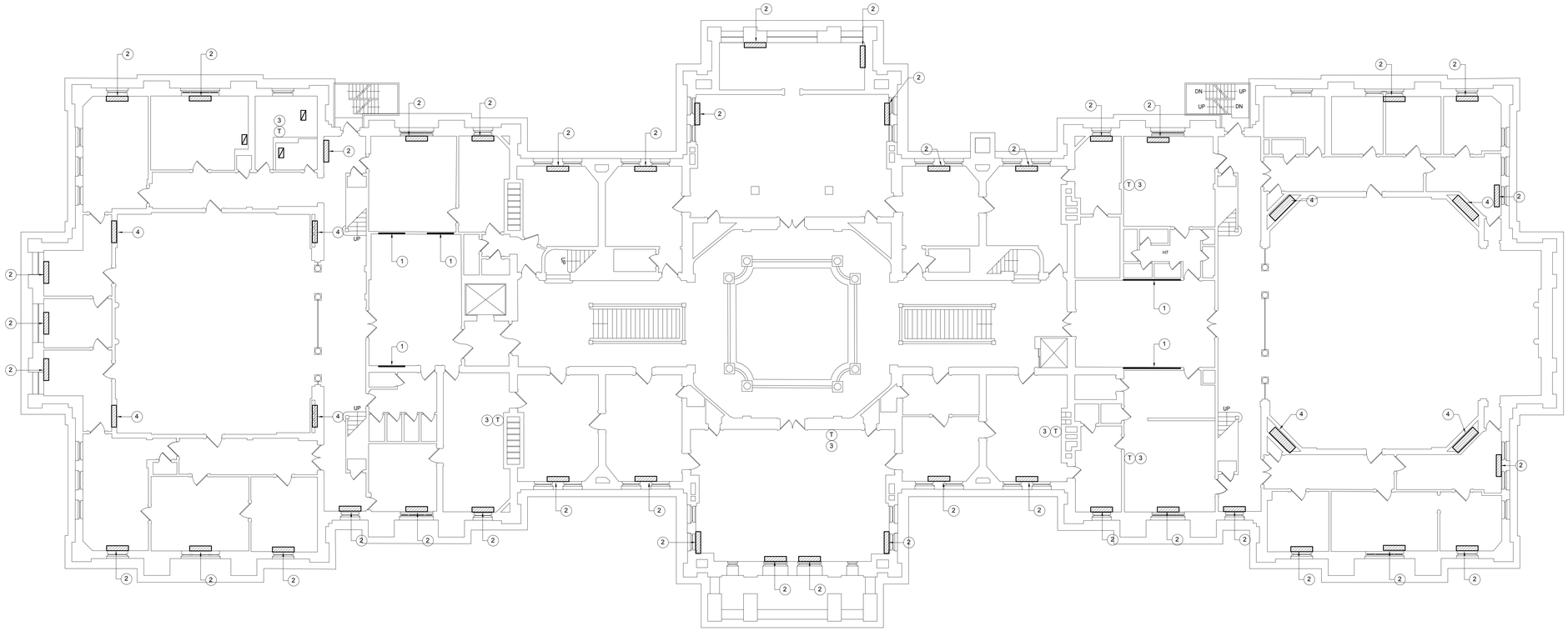
PKG. IDENTIFIER 2

SELECTIVE REMOVAL FIRST FLOOR MECHANICAL PIPING PLAN

SCALE As indicated

2MD101P

Schematic Design



1 SELECTIVE REMOVAL SECOND FLOOR MECHANICAL PLAN
1" = 10'-0"

7'-6" 2'-6"
10'-0" 5'-0" 0 10'-0" 20'-0" 40'-0"

GENERAL NOTES

1. ALL EXISTING MECHANICAL EQUIPMENT, PIPING, DUCTWORK, AIR TERMINALS, CONTROL WIRING, CONDUIT AND ALL ASSOCIATED SUPPORTS SHALL BE REMOVED THROUGHOUT THE ENTIRE BUILDING.
2. EXISTING MECHANICAL EQUIPMENT, PIPING, DUCTWORK, AIR TERMINALS, CONTROL WIRING AND CONDUIT SHOWN REPRESENT EXISTING CONDITIONS OBTAINED FROM EXISTING DRAWINGS AND SITE PHOTOGRAPHS. EXISTING CONDITIONS SHOWN DO NOT REPRESENT ALL REMOVAL SCOPE. AS EXISTING DRAWINGS DOCUMENTATION IS INCOMPLETE, AREAS BLOCKED BY FURNITURE AND OTHER EXISTING CONDITIONS COULD NOT BE VERIFIED. EXISTING DUCTOWRK AND PIPING ARE CONCEALED. THEREFORE, REMOVAL SCOPE IDENTIFIED IN NOTE #1 ABOVE SHALL NOT BE LIMITED TO EXISTING CONDITIONS SHOWN.

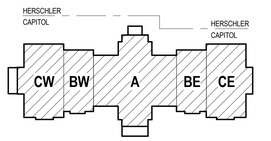
CONSTRUCTION NOTES

(#)

NUMBER	KEYNOTE
1.	DISCONNECT AND REMOVE EXISTING LINEAR DIFFUSER WITH THE ASSOCIATED DUCTWORK.
2.	DISCONNECT AND REMOVE FAN COIL UNIT INCLUDING, SUPPORT HANGERS, VIBRATION ISOLATORS, SUPPLY AIR DUCT, RETURN AIR DUCT, RELIEF AIR DUCT, OUTSIDE AIR INTAKE, FLEXIBLE CONNECTION, DIFFUSERS, GRILLES. ALL IN THEIR ENTIRETY.
3.	DISCONNECT AND REMOVE THERMOSTATS, ELECTRIC CONTROL WIRING AND PNEUMATIC CONTROL AIR TUBING IN THEIR ENTIRETY.
4.	DISCONNECT AND REMOVE ALL DUCTS IN CHASE.

GRAPHIC LEGEND

KEY PLAN



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State of Wyoming

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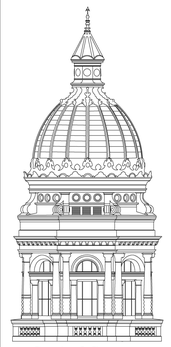
Construction Management



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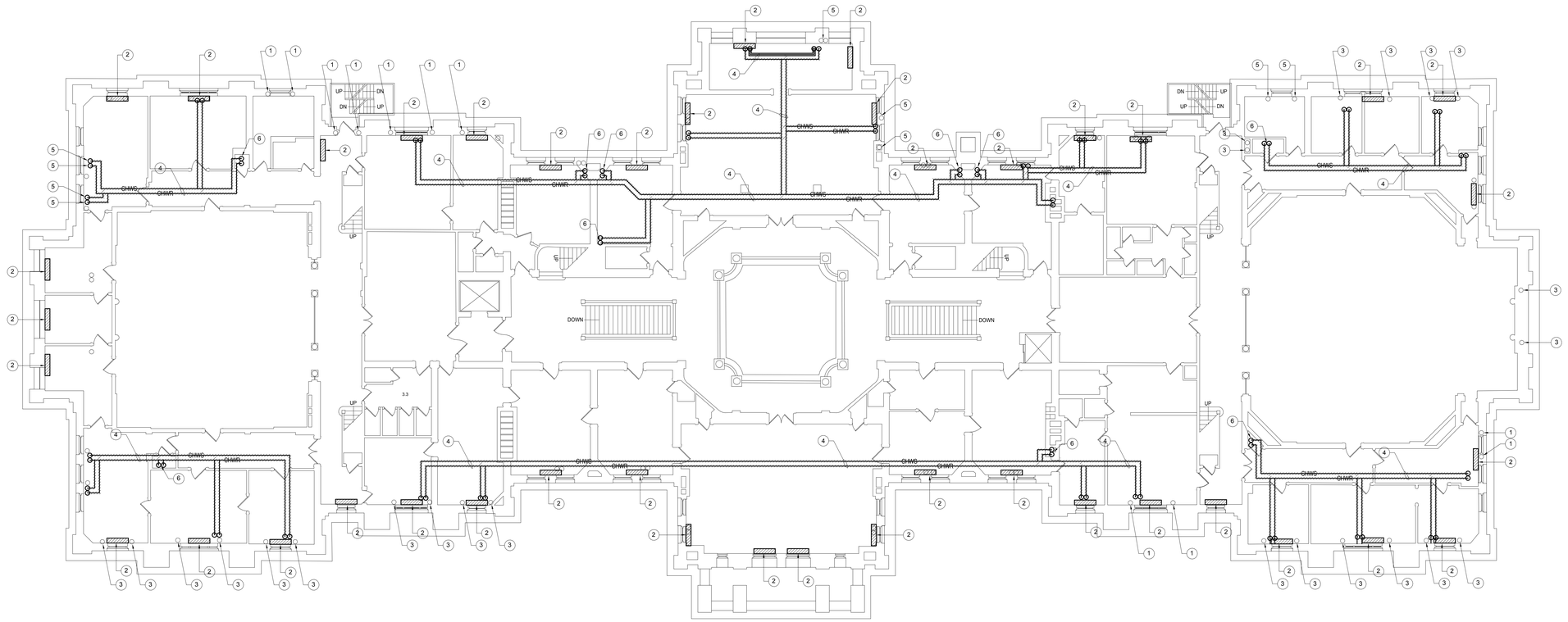
SELECTIVE REMOVAL SECOND FLOOR MECHANICAL PLAN

SCALE: As indicated

2MD102H

Schematic Design



1 SELECTIVE REMOVAL SECOND FLOOR MECHANICAL PIPING PLAN
1" = 10'-0"

7'-6" 2'-6"
10'-0" 5'-0" 0 10'-0" 20'-0" 40'-0"

GENERAL NOTES

1. ALL EXISTING MECHANICAL EQUIPMENT, PIPING, DUCTWORK, AIR TERMINALS, CONTROL WIRING, CONDUIT AND ALL ASSOCIATED SUPPORTS SHALL BE REMOVED THROUGHOUT THE ENTIRE BUILDING.
2. EXISTING MECHANICAL EQUIPMENT, PIPING, DUCTWORK, AIR TERMINALS, CONTROL WIRING AND CONDUIT SHOWN REPRESENT EXISTING CONDITIONS OBTAINED FROM EXISTING DRAWINGS AND SITE PHOTOGRAPHS. EXISTING CONDITIONS SHOWN DO NOT REPRESENT ALL REMOVAL SCOPE, AS EXISTING DRAWINGS DOCUMENTATION IS INCOMPLETE, AREAS BLOCKED BY FURNITURE AND OTHER EXISTING CONDITIONS COULD NOT BE VERIFIED. EXISTING DUCTOWRK AND PIPING ARE CONCEALED. THEREFORE, REMOVAL SCOPE IDENTIFIED IN NOTE #1 ABOVE SHALL NOT BE LIMITED TO EXISTING CONDITIONS SHOWN.

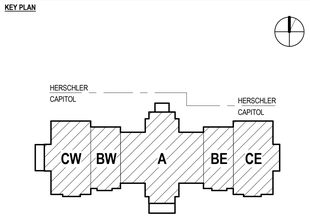
CONSTRUCTION NOTES

(#)

NUMBER	KEYNOTE
1.	DISCONNECT AND REMOVE EXISTING LOW PRESSURE STEAM/CONDENSATE RETURN; CHILLED WATER SUPPLY/RETURN PIPING IN CHASES.
2.	DISCONNECT AND REMOVE EXISTING CHILLED WATER SUPPLY/RETURN, LOW PRESSURE STEAM/CONDENSATE RETURN PIPING CONNECTED TO FAN COIL UNITS, VALVING, CONTROLS, SUPPORTS AND HANGERS.
3.	DISCONNECT AND REMOVE EXISTING LOW PRESSURE STEAM/CONDENSATE RETURN EXPOSED PIPING RISERS ROUTED UP THROUGH FLOOR TO SERVE EXISTING FAN COIL UNITS ON UPPER FLOORS.
4.	DISCONNECT AND REMOVE EXISTING CHILLED WATER SUPPLY/RETURN PIPING ABOVE CEILING.
5.	DISCONNECT AND REMOVE EXISTING CHILLED WATER SUPPLY/RETURN PIPING ABOVE CEILING AND ROUTED UP THRU FLOOR TO EXISTING FAN COIL ON FLOOR ABOVE.
6.	DISCONNECT AND REMOVE EXISTING CHILLED WATER SUPPLY/RETURN RISERS.

GRAPHIC LEGEND

KEY PLAN



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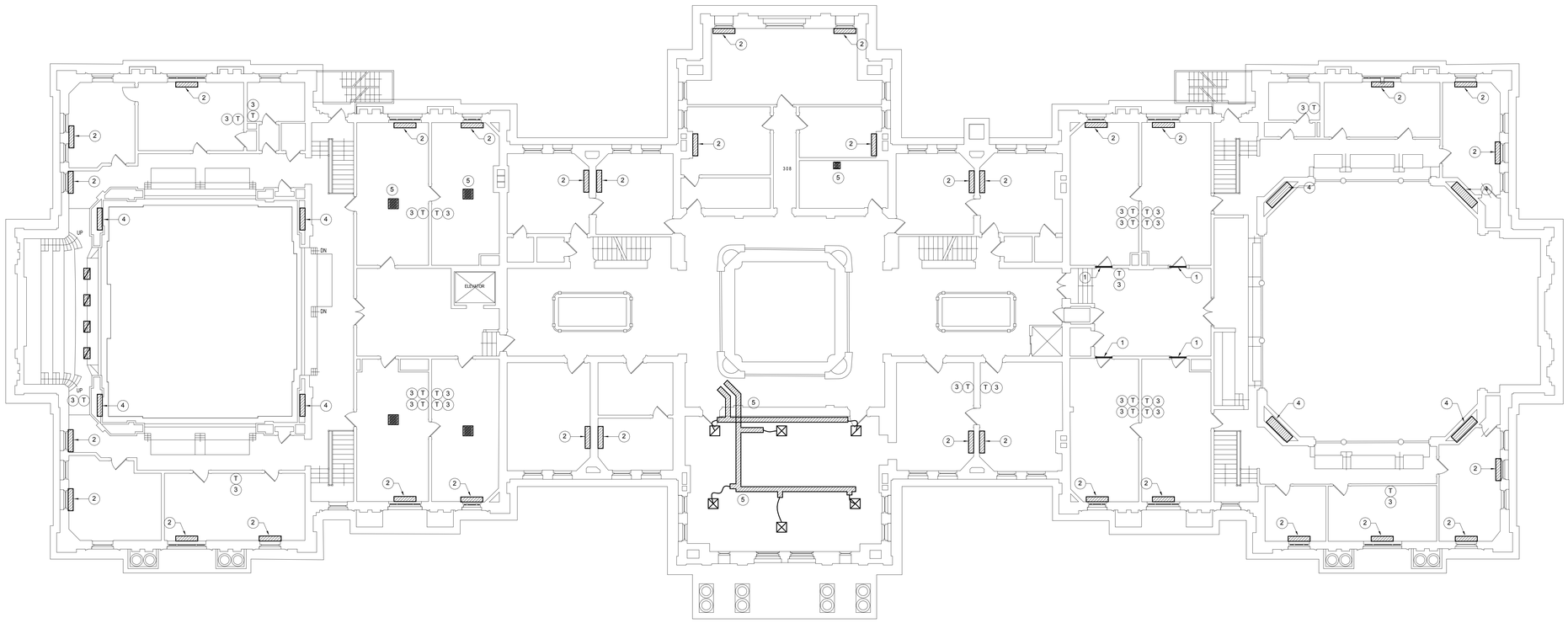
SELECTIVE REMOVAL SECOND FLOOR MECHANICAL PIPING PLAN

SCALE	As indicated

2MD102P

Schematic Design



1 SELECTIVE REMOVAL THIRD FLOOR MECHANICAL PLAN
1" = 10'-0"

7'-6" 2'-6"
10'-0" 5'-0" 0 10'-0" 20'-0" 40'-0"

GENERAL NOTES

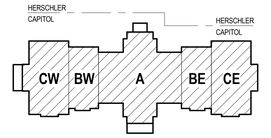
1. ALL EXISTING MECHANICAL EQUIPMENT, PIPING, DUCTWORK, AIR TERMINALS, CONTROL WIRING, CONDUIT AND ALL ASSOCIATED SUPPORTS SHALL BE REMOVED THROUGHOUT THE ENTIRE BUILDING.
2. EXISTING MECHANICAL EQUIPMENT, PIPING, DUCTWORK, AIR TERMINALS, CONTROL WIRING AND CONDUIT SHOWN REPRESENT EXISTING CONDITIONS OBTAINED FROM EXISTING DRAWINGS AND SITE PHOTOGRAPHS. EXISTING CONDITIONS SHOWN DO NOT REPRESENT ALL REMOVAL SCOPE, AS EXISTING DRAWINGS DOCUMENTATION IS INCOMPLETE, AREAS BLOCKED BY FURNITURE AND OTHER EXISTING CONDITIONS COULD NOT BE VERIFIED. EXISTING DUCTOWRK AND PIPING ARE CONCEALED. THEREFORE, REMOVAL SCOPE IDENTIFIED IN NOTE #1 ABOVE SHALL NOT BE LIMITED TO EXISTING CONDITIONS SHOWN.

CONSTRUCTION NOTES

(#) NUMBER	KEYNOTE
1.	DISCONNECT AND REMOVE EXISTING LINEAR DIFFUSER WITH THE ASSOCIATED DUCTWORK.
2.	DISCONNECT AND REMOVE FAN COIL UNIT INCLUDING, SUPPORT HANGERS, VIBRATION ISOLATORS, SUPPLY AIR DUCT, RETURN AIR DUCT, RELIEF AIR DUCT, OUTSIDE AIR INTAKE, FLEXIBLE CONNECTION, DIFFUSERS, GRILLES, ALL IN THEIR ENTIRETY.
3.	DISCONNECT AND REMOVE THERMOSTATS, ELECTRIC CONTROL WIRING AND PNEUMATIC CONTROL AIR TUBING IN THEIR ENTIRETY.
4.	DISCONNECT AND REMOVE ALL DUCTS IN CHASE.
5.	DISCONNECT AND REMOVE ALL SUPPLY AIR DUCT, RETURN AIR DUCT, RELIEF AIR DUCT, OUTSIDE AIR INTAKE, FLEXIBLE CONNECTION, DIFFUSERS, GRILLES, ALL IN THEIR ENTIRETY.

GRAPHIC LEGEND

KEY PLAN



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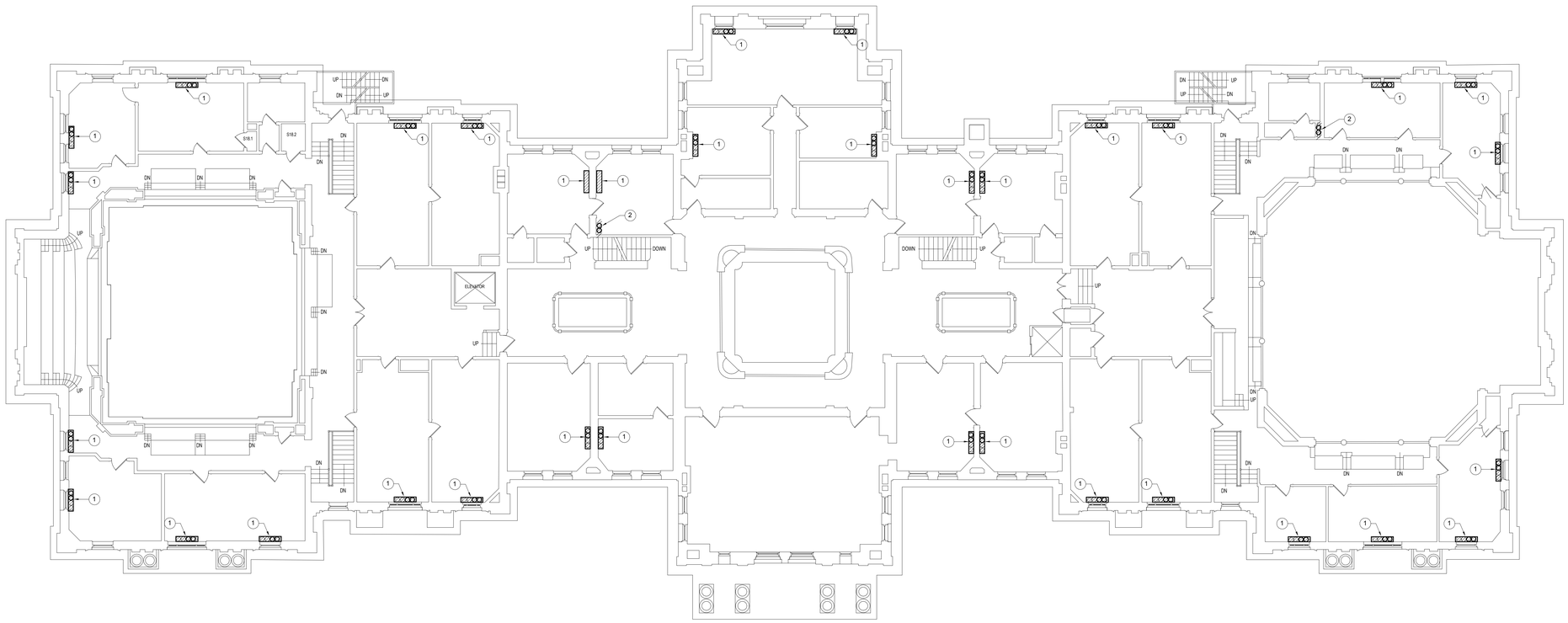
PKG. IDENTIFIER	2

SELECTIVE REMOVAL THIRD FLOOR MECHANICAL PLAN

SCALE: As indicated

2MD103H

Schematic Design



1 SELECTIVE REMOVAL THIRD FLOOR MECHANICAL PIPING PLAN
1" = 10'-0"

7'-6" 2'-6"
10'-0" 5'-0" 0 10'-0" 20'-0" 40'-0"

GENERAL NOTES

1. ALL EXISTING MECHANICAL EQUIPMENT, PIPING, DUCTWORK, AIR TERMINALS, CONTROL WIRING, CONDUIT AND ALL ASSOCIATED SUPPORTS SHALL BE REMOVED THROUGHOUT THE ENTIRE BUILDING.
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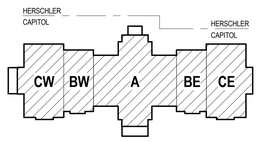
CONSTRUCTION NOTES

(#)

NUMBER	KEYNOTE
1.	DISCONNECT AND REMOVE EXISTING LOW PRESSURE STEAM/CONDENSATE RETURN; CHILLED WATER SUPPLY/RETURN PIPING IN CHASES.
2.	DISCONNECT AND REMOVE EXISTING CHILLED WATER SUPPLY/RETURN RISERS.

GRAPHIC LEGEND

KEY PLAN



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1	2014/12/19	SD OWNER REVIEW

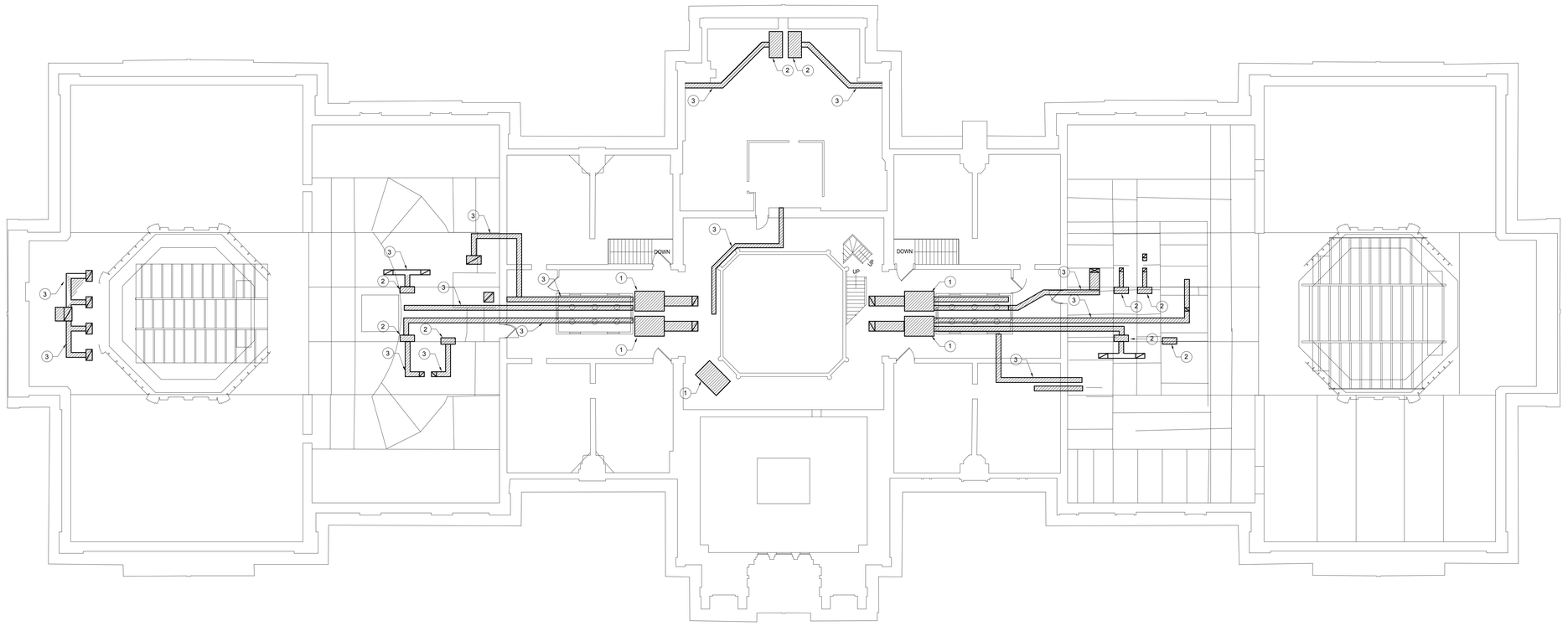
PROJECT NUMBER 203619
ORIGINAL ISSUE - - -
PKG. IDENTIFIER 2

SELECTIVE REMOVAL THIRD FLOOR MECHANICAL PIPING PLAN

SCALE As indicated

2MD103P

Schematic Design



1 SELECTIVE REMOVAL ATTIC 1 MECHANICAL PLAN
1" = 10'-0"

7'-6" 2'-6"
10'-0" 5'-0" 0 10'-0" 20'-0" 40'-0"

GENERAL NOTES

1. ALL EXISTING MECHANICAL EQUIPMENT, PIPING, DUCTWORK, AIR TERMINALS, CONTROL WIRING, CONDUIT AND ALL ASSOCIATED SUPPORTS SHALL BE REMOVED THROUGHOUT THE ENTIRE BUILDING.
2. EXISTING MECHANICAL EQUIPMENT, PIPING, DUCTWORK, AIR TERMINALS, CONTROL WIRING AND CONDUIT SHOWN REPRESENT EXISTING CONDITIONS OBTAINED FROM EXISTING DRAWINGS AND SITE PHOTOGRAPHS. EXISTING CONDITIONS SHOWN DO NOT REPRESENT ALL REMOVAL SCOPE. AS EXISTING DRAWINGS DOCUMENTATION IS INCOMPLETE, AREAS BLOCKED BY FURNITURE AND OTHER EXISTING CONDITIONS COULD NOT BE VERIFIED. EXISTING DUCTOWRK AND PIPING ARE CONCEALED. THEREFORE, REMOVAL SCOPE IDENTIFIED IN NOTE #1 ABOVE SHALL NOT BE LIMITED TO EXISTING CONDITIONS SHOWN.

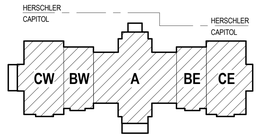
CONSTRUCTION NOTES

(#)

NUMBER	KEYNOTE
1.	DISCONNECT AND REMOVE AIR HANDLING UNIT INCLUDING, SUPPORT HANGERS, VIBRATION ISOLATORS, SUPPLY AIR DUCT, RETURN AIR DUCT, RELIEF AIR DUCT, OUTSIDE AIR INTAKE, FLEXIBLE CONNECTION, DIFFUSERS, GRILLES, CHILLED WATER SUPPLY AND RETURN, STEAM SUPPLY AND CONDENSATE RETURN WHERE APPLICABLE; CIRCULATION PUMP WHERE APPLICABLE; DRAIN PAN, CONDENSATE DRAIN; ALL IN THEIR ENTIRETY.
2.	DISCONNECT AND REMOVE EXHAUST/RELIEF AIR FAN, CONNECTING DUCT, DISCHARGE AIR DUCT, DAMPERS, FLEXIBLE CONNECTORS IN THEIR ENTIRETY.
3.	DISCONNECT AND REMOVE, SUPPLY AIR DUCT, RETURN AIR DUCT, RELIEF AIR DUCT, OUTSIDE AIR INTAKE, FLEXIBLE CONNECTION, DIFFUSERS, GRILLES, SUPPORT, HANGERS, ALL IN THEIR ENTIRETY.

GRAPHIC LEGEND

KEY PLAN



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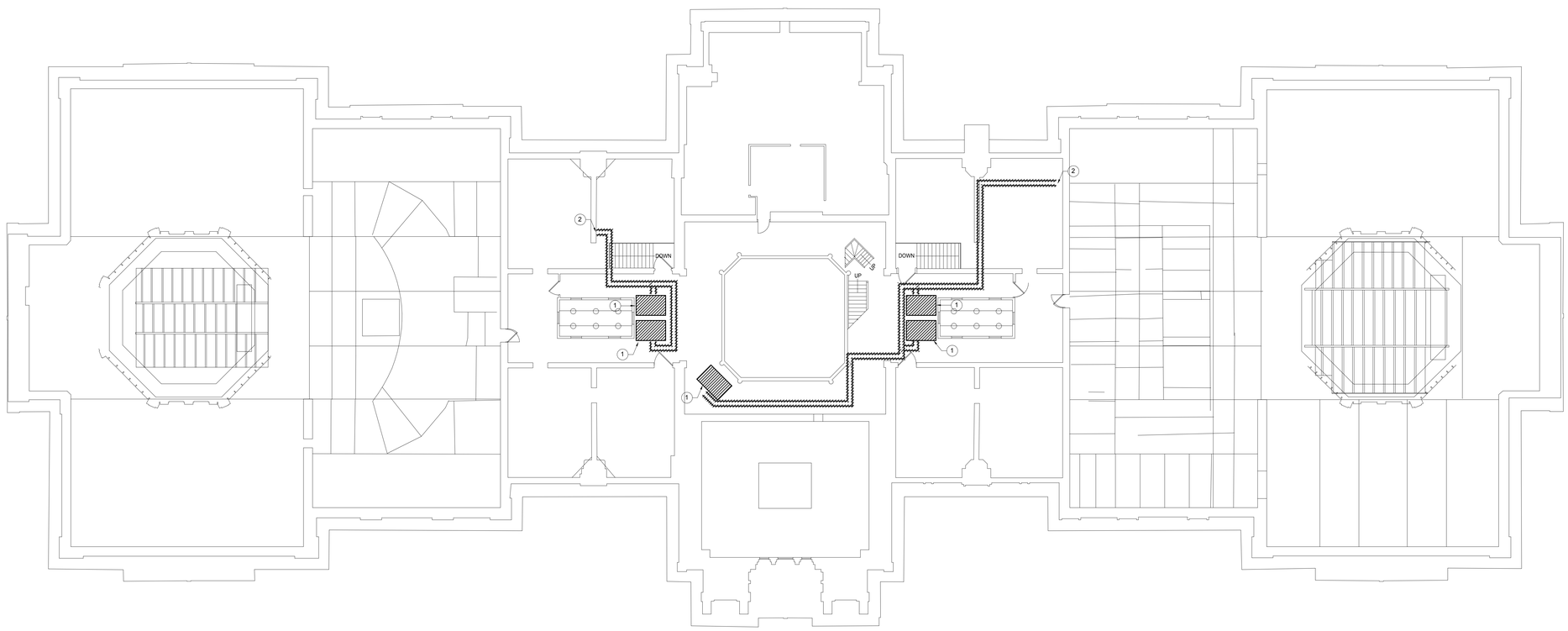
PKG. IDENTIFIER	2

SELECTIVE REMOVAL ATTIC 1 MECHANICAL PLAN

SCALE: As indicated

2MD104H

Schematic Design



1 SELECTIVE REMOVAL ATTIC 1 MECHANICAL PIPING PLAN
1" = 10'-0"

7'-6" 2'-6"
10'-0" 5'-0" 0 10'-0" 20'-0" 40'-0"

GENERAL NOTES

1. ALL EXISTING MECHANICAL EQUIPMENT, PIPING, DUCTWORK, AIR TERMINALS, CONTROL WIRING, CONDUIT AND ALL ASSOCIATED SUPPORTS SHALL BE REMOVED THROUGHOUT THE ENTIRE BUILDING.
2. EXISTING MECHANICAL EQUIPMENT, PIPING, DUCTWORK, AIR TERMINALS, CONTROL WIRING AND CONDUIT SHOWN REPRESENT EXISTING CONDITIONS OBTAINED FROM EXISTING DRAWINGS AND SITE PHOTOGRAPHS. EXISTING CONDITIONS SHOWN DO NOT REPRESENT ALL REMOVAL SCOPE. AS EXISTING DRAWINGS DOCUMENTATION IS INCOMPLETE, AREAS BLOCKED BY FURNITURE AND OTHER EXISTING CONDITIONS COULD NOT BE VERIFIED. EXISTING DUCTOWRK AND PIPING ARE CONCEALED. THEREFORE, REMOVAL SCOPE IDENTIFIED IN NOTE #1 ABOVE SHALL NOT BE LIMITED TO EXISTING CONDITIONS SHOWN.

CONSTRUCTION NOTES

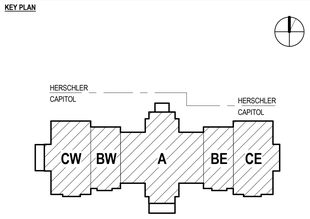
(#)

NUMBER KEYNOTE

1. DISCONNECT AND REMOVE AIR HANDLING UNIT INCLUDING, SUPPORT HANGERS, VIBRATION ISOLATORS, CHILLED WATER SUPPLY AND RETURN, HOT WATER SUPPLY AND RETURN, STEAM SUPPLY AND CONDENSATE RETURN WHERE APPLICABLE, CIRCULATION PUMP WHERE APPLICABLE, DRAIN PAN, CONDENSATE DRAIN, ALL IN THEIR ENTIRETY.
2. DISCONNECT AND REMOVE EXISTING CHILLED WATER SUPPLY/RETURN RISERS.

GRAPHIC LEGEND

KEY PLAN



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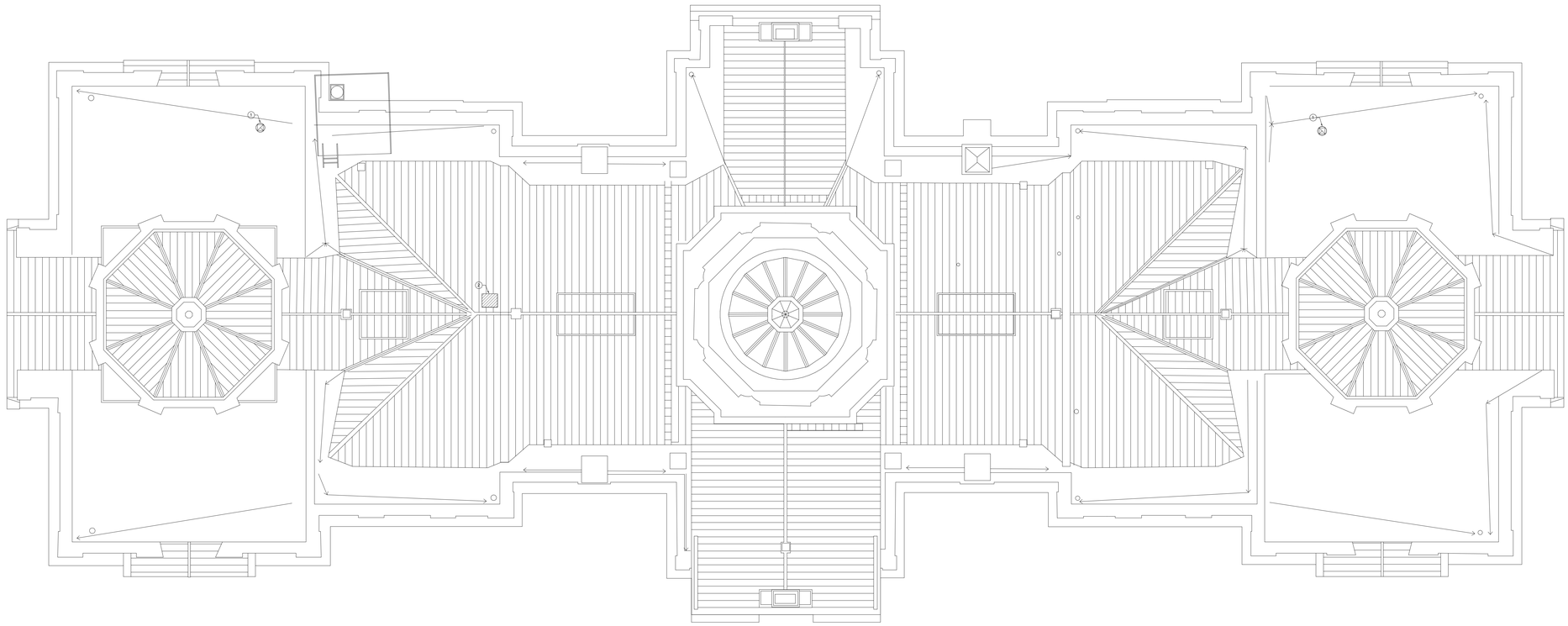
PKG. IDENTIFIER	2

SELECTIVE REMOVAL ATTIC 1 MECHANICAL PIPING PLAN

SCALE	As indicated

2MD104P

Schematic Design



1 SELECTIVE REMOVAL ROOF MECHANICAL PLAN
1" = 10'-0"

7'-6" 2'-6"
10'-0" 5'-0" 0 10'-0" 20'-0" 40'-0"

GENERAL NOTES

1. ALL EXISTING MECHANICAL EQUIPMENT, PIPING, DUCTWORK, AIR TERMINALS, CONTROL WIRING, CONDUIT AND ALL ASSOCIATED SUPPORTS SHALL BE REMOVED THROUGHOUT THE ENTIRE BUILDING.
2. EXISTING MECHANICAL EQUIPMENT, PIPING, DUCTWORK, AIR TERMINALS, CONTROL WIRING AND CONDUIT SHOWN REPRESENT EXISTING CONDITIONS OBTAINED FROM EXISTING DRAWINGS AND SITE PHOTOGRAPHS. EXISTING CONDITIONS SHOWN DO NOT REPRESENT ALL REMOVAL SCOPE, AS EXISTING DRAWINGS DOCUMENTATION IS INCOMPLETE, AREAS BLOCKED BY FURNITURE AND OTHER EXISTING CONDITIONS COULD NOT BE VERIFIED. EXISTING DUCTOWRK AND PIPING ARE CONCEALED. THEREFORE, REMOVAL SCOPE IDENTIFIED IN NOTE #1 ABOVE SHALL NOT BE LIMITED TO EXISTING CONDITIONS SHOWN.

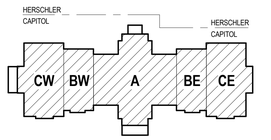
CONSTRUCTION NOTES

(#)

NUMBER	KEYNOTE
1.	DISCONNECT AND REMOVE EXHAUST AIR FAN, CONNECTING DUCT, DISCHARGE AIR DUCT, DAMPERS, FLEXIBLE CONNECTORS IN THEIR ENTIRETY.
2.	DISCONNECT AND REMOVE EXISTING ELEVATOR RELIEF AIR DUCT.

GRAPHIC LEGEND

KEY PLAN



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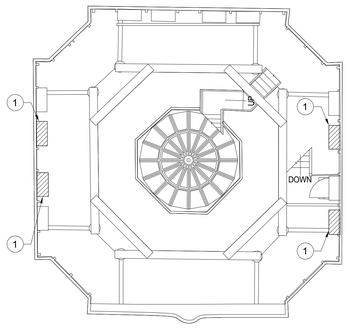
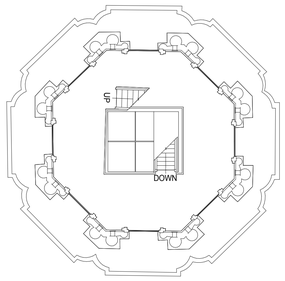
SELECTIVE REMOVAL ROOF MECHANICAL PLAN

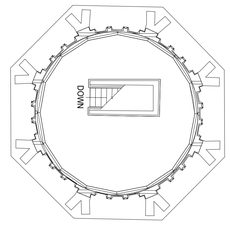
SCALE: As indicated

2MD105H

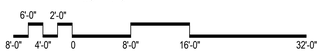
Schematic Design







1 SELECTIVE REMOVAL ATTIC 2, DOME 1 & DOME 2 MECHANICAL PLANS
1/8" = 1'-0"



GENERAL NOTES

1. ALL EXISTING MECHANICAL EQUIPMENT, PIPING, DUCTWORK, AIR TERMINALS, CONTROL WIRING, CONDUIT AND ALL ASSOCIATED SUPPORTS SHALL BE REMOVED THROUGHOUT THE ENTIRE BUILDING.
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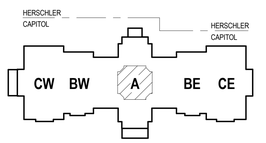
CONSTRUCTION NOTES

(#)

NUMBER	KEYNOTE
1.	DISCONNECT AND REMOVE EXISTING OUTSIDE AIR INTAKE LOUVER. ASSOCIATED DUCTWORK, HANGERS, SUPPORT, ETC.

GRAPHIC LEGEND

KEY PLAN



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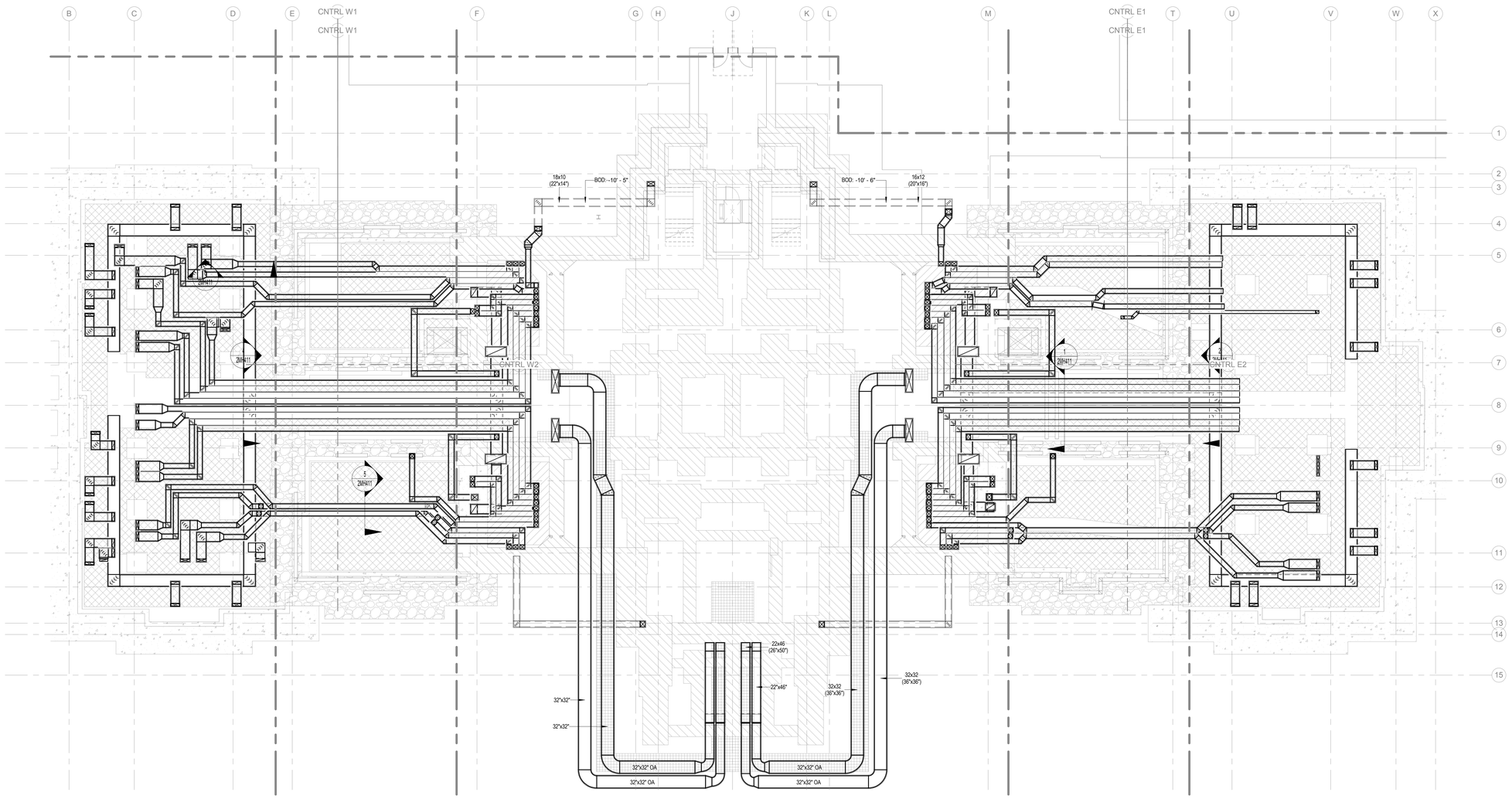
PKG. IDENTIFIER 2

SELECTIVE REMOVAL ATTIC 2, DOME 1 & DOME 2 MECHANICAL PLANS

SCALE 1/8" = 1'-0"

2MD106H

Schematic Design



1 PROPOSED FOUNDATION MECHANICAL PLAN
1" = 10'-0"

7'-6" 2'-6"
10'-0" 5'-0" 0 10'-0" 20'-0" 40'-0"

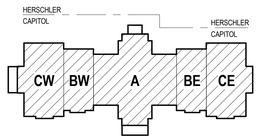
GENERAL NOTES

1. ALL DUCT SIZES SHOWN ARE NET SIZE. ADD 1.5" INSULATION TO ALL DUCTS. * IF THE DUCT SIZE SHOWS 12"x10", THE ACTUAL SIZE IS 15"x13".
2. REFER TO LARGE SCALE PART PLANS FOR ADDITIONAL INFORMATION.

CONSTRUCTION NOTES

GRAPHIC LEGEND

KEY PLAN



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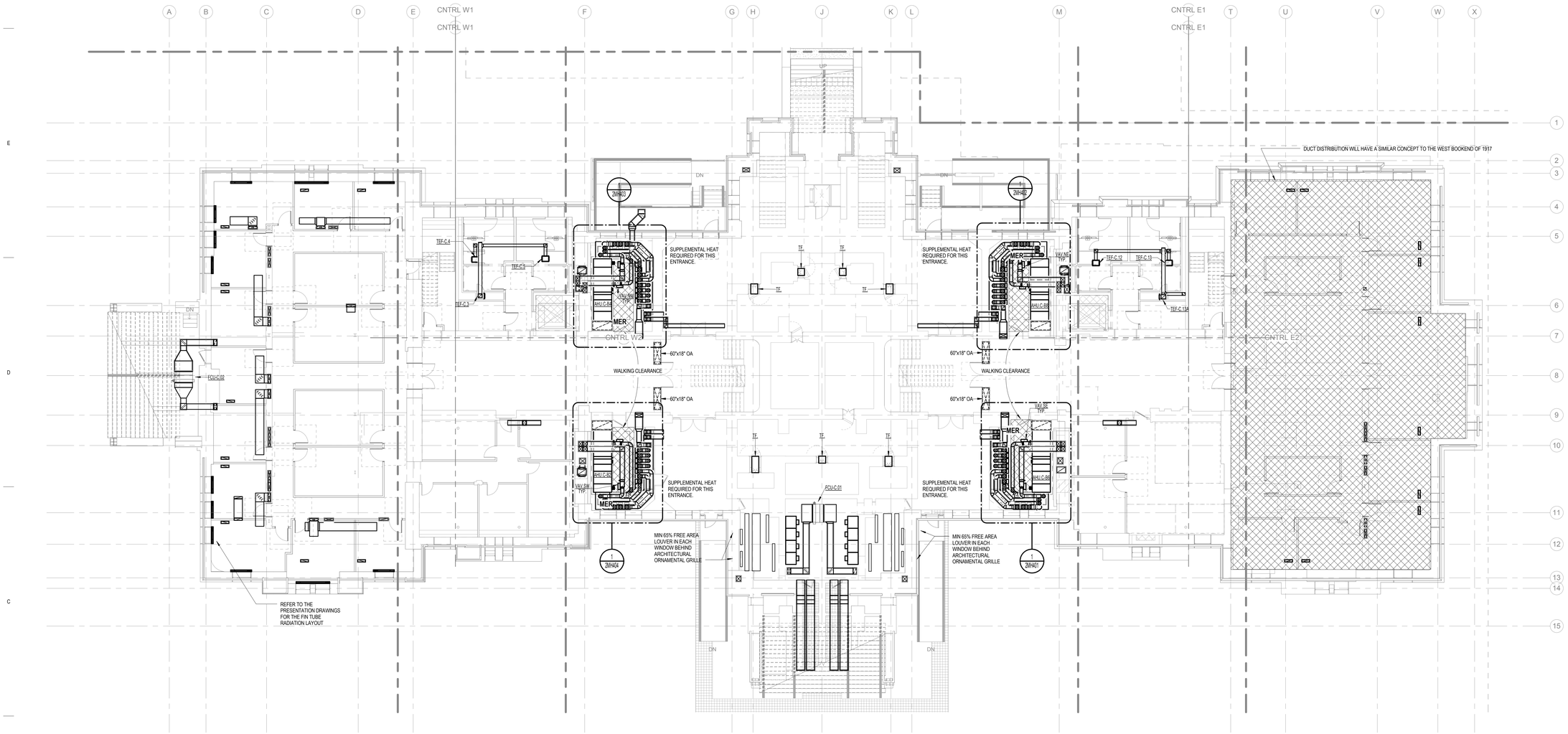
PKG. IDENTIFIER	2

PROPOSED FOUNDATION MECHANICAL PLAN

SCALE 1" = 10'-0"

2MH100A

Schematic Design



1 PROPOSED GARDEN LEVEL MECHANICAL PLAN
1" = 10'-0"

7'-6" 2'-6"
10'-0" 5'-0" 0 10'-0" 20'-0" 40'-0"

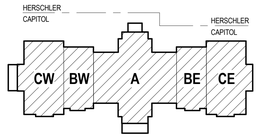
GENERAL NOTES

1. ALL DUCT SIZES SHOWN ARE NET SIZE, ADD 1.5" INSULATION TO ALL DUCTS. * IF THE DUCT SIZE SHOWS 12"x10", THE ACTUAL SIZE IS 15"x13".
2. REFER TO LARGE SCALE PART PLANS FOR ADDITIONAL INFORMATION.

CONSTRUCTION NOTES

GRAPHIC LEGEND

KEY PLAN



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PROPOSED GARDEN LEVEL MECHANICAL PLAN

SCALE 1" = 10'-0"

2MH100B

Schematic Design

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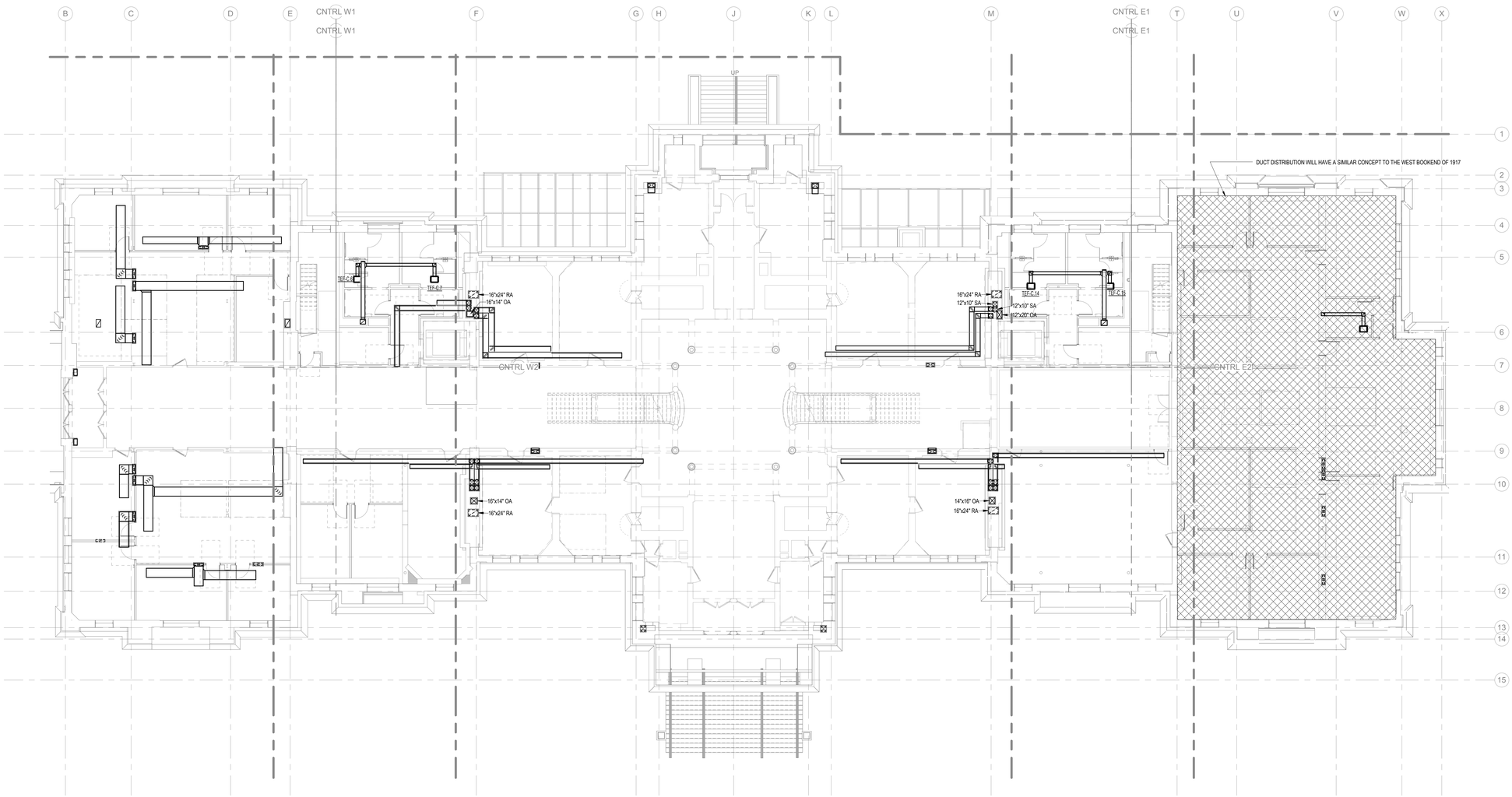


2 PROPOSED FIRST FLOOR MECHANICAL PLAN
1" = 10'-0"

7'-6" 2'-6"
10'-0" 5'-0" 0 10'-0" 20'-0" 40'-0"

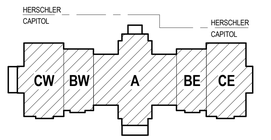
GENERAL NOTES

1. ALL DUCT SIZES SHOWN ARE NET SIZE. ADD 1.5" INSULATION TO ALL DUCTS. * IF THE DUCT SIZE SHOWS 12"x10", THE ACTUAL SIZE IS 15"x13".
2. REFER TO LARGE SCALE PART PLANS FOR ADDITIONAL INFORMATION.

CONSTRUCTION NOTES

GRAPHIC LEGEND

KEY PLAN



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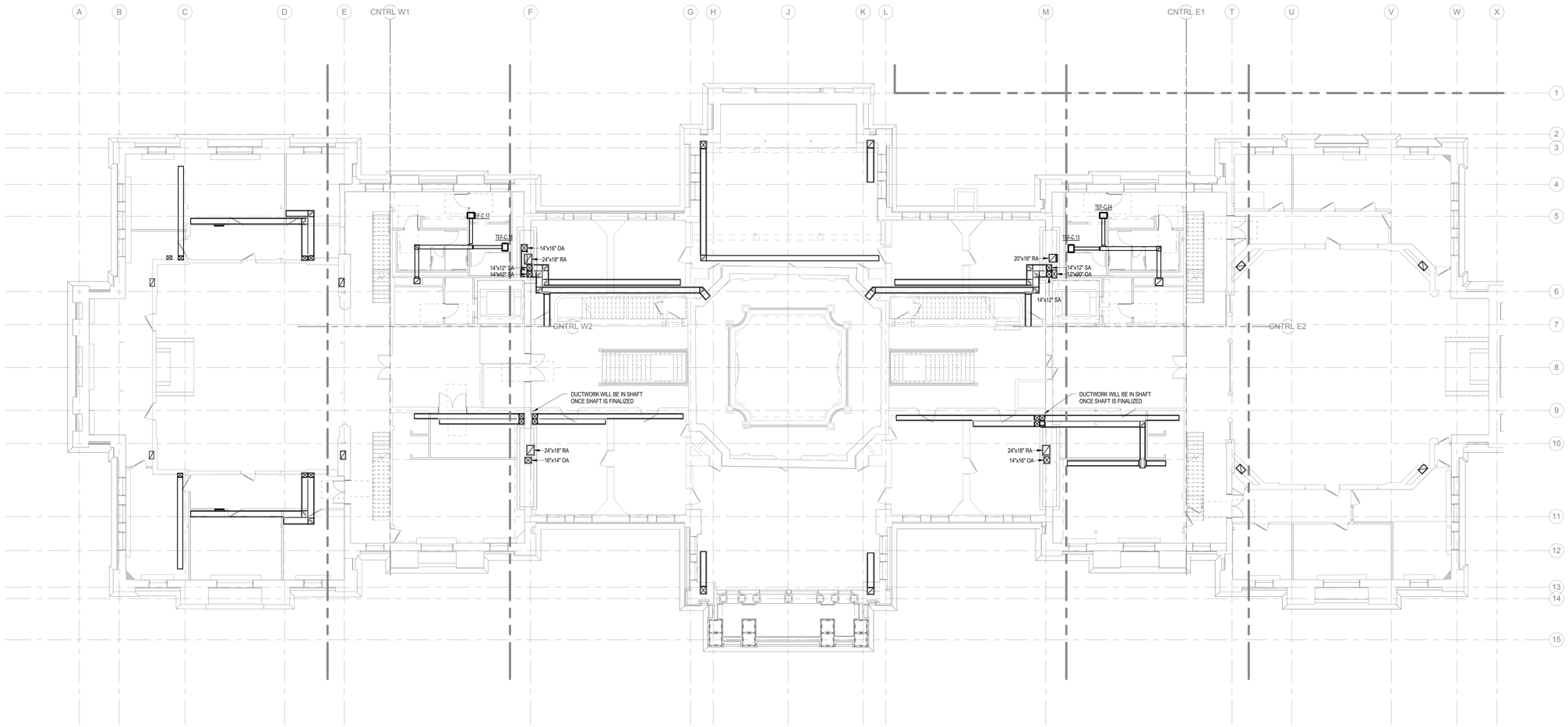
PROPOSED FIRST FLOOR MECHANICAL PLAN

SCALE 1" = 10'-0"

2MH101

Schematic Design



1 PROPOSED SECOND FLOOR MECHANICAL PLAN
1" = 10'-0"

7'-6" 2'-6"
10'-0" 5'-0" 0 10'-0" 20'-0" 40'-0"

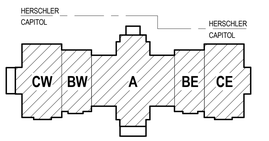
GENERAL NOTES

1. ALL DUCT SIZES SHOWN ARE NET SIZE. ADD 1.5" INSULATION TO ALL DUCTS. * IF THE DUCT SIZE SHOWS 12"x10", THE ACTUAL SIZE IS 15"x13".
2. REFER TO LARGE SCALE PART PLANS FOR ADDITIONAL INFORMATION.

CONSTRUCTION NOTES

GRAPHIC LEGEND

KEY PLAN



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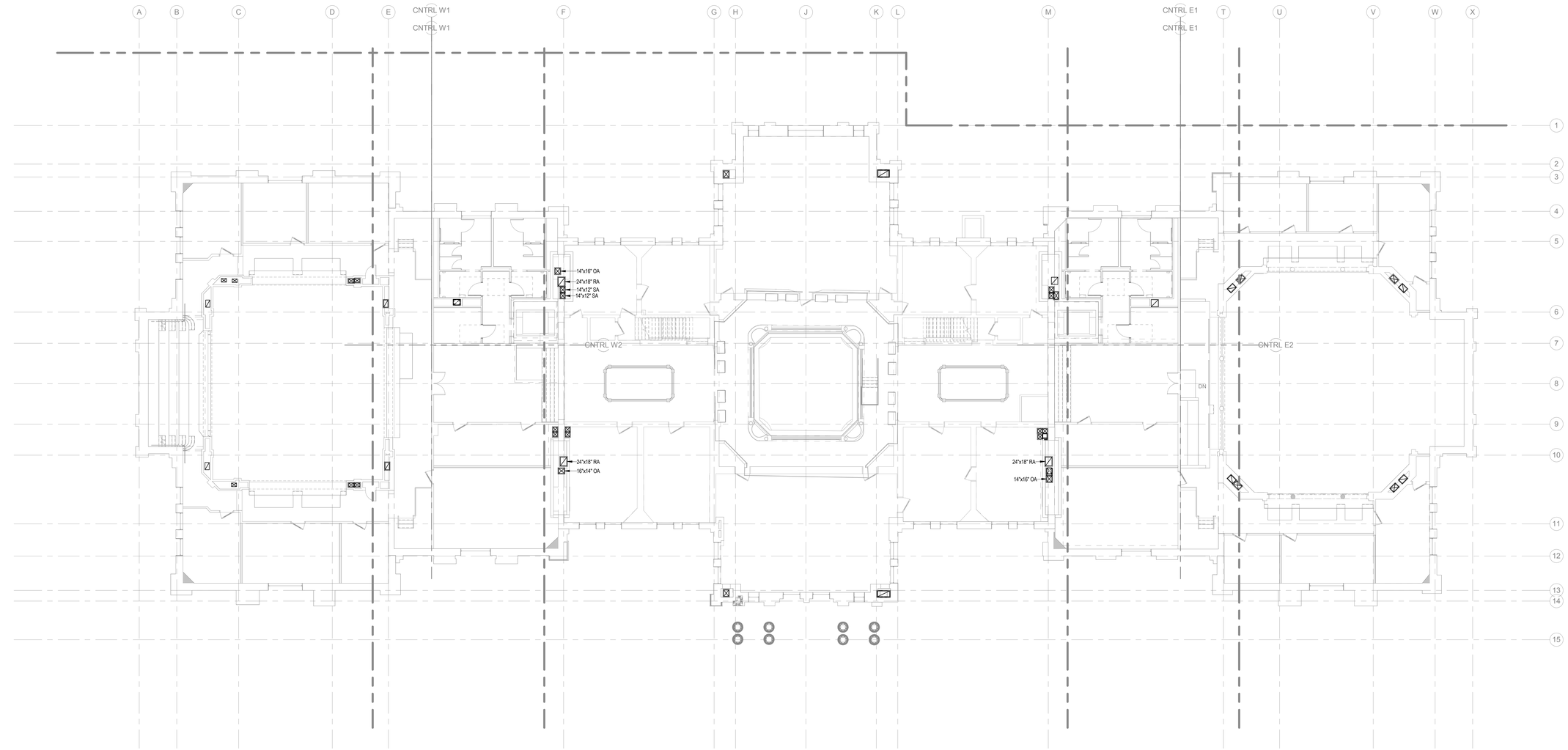
PROPOSED SECOND FLOOR MECHANICAL PLAN

SCALE 1" = 10'-0"

2MH102

Schematic Design



1 PROPOSED THIRD FLOOR MECHANICAL PLAN
1" = 10'-0"

7'-6" 2'-6"
10'-0" 5'-0" 0 10'-0" 20'-0" 40'-0"

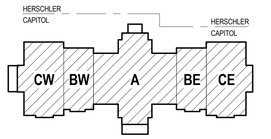
GENERAL NOTES

1. ALL DUCT SIZES SHOWN ARE NET SIZE, ADD 1.5" INSULATION TO ALL DUCTS. * IF THE DUCT SIZE SHOWS 12"x10", THE ACTUAL SIZE IS 15"x13".
2. REFER TO LARGE SCALE PART PLANS FOR ADDITIONAL INFORMATION.

CONSTRUCTION NOTES

GRAPHIC LEGEND

KEY PLAN



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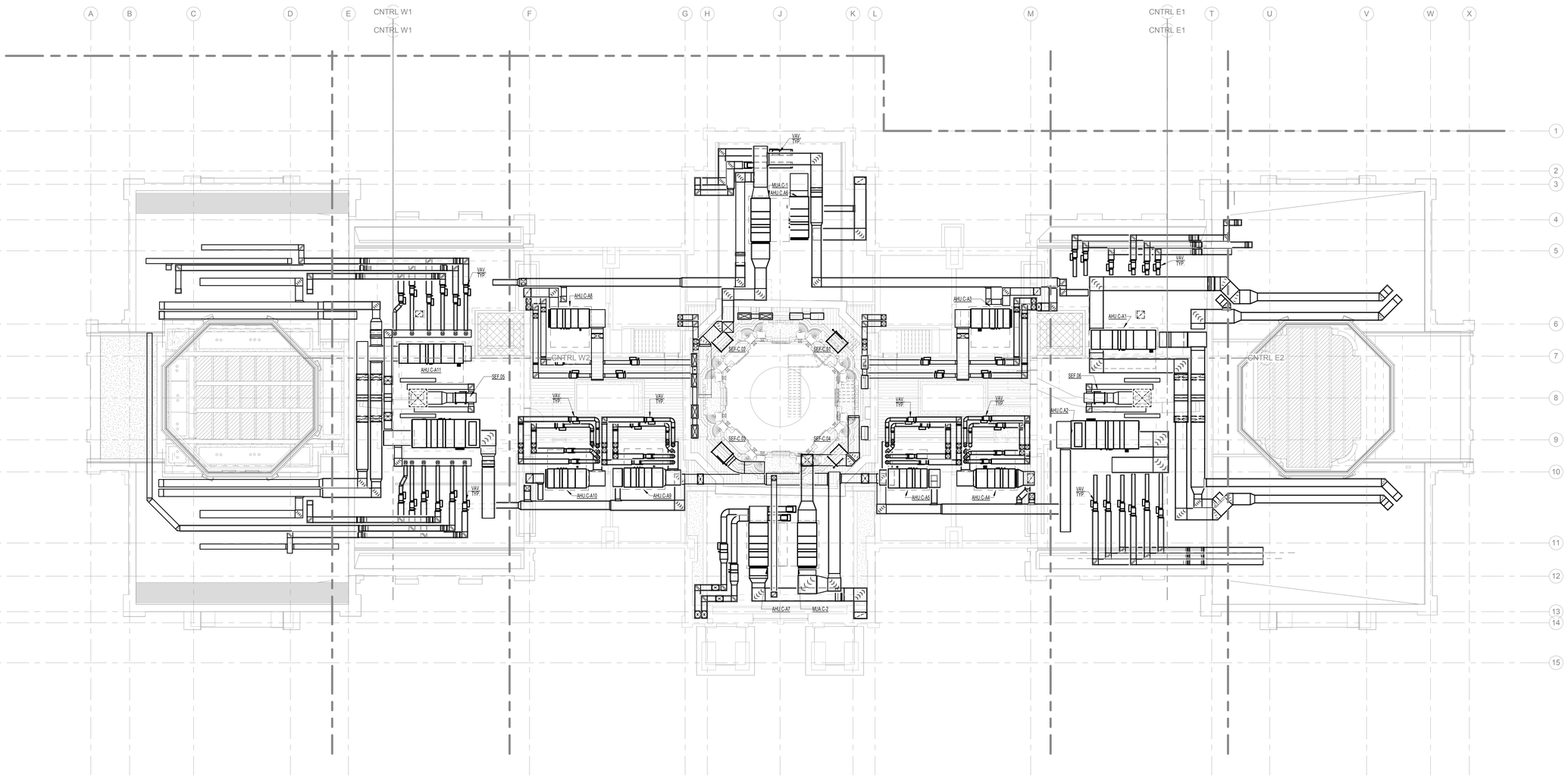
PROPOSED THIRD FLOOR MECHANICAL PLAN

SCALE 1" = 10'-0"

2MH103

Schematic Design



1 PROPOSED ATTIC 1 MECHANICAL PLAN
1" = 10'-0"

7'-6" 2'-6"
10'-0" 5'-0" 0 10'-0" 20'-0" 40'-0"

GENERAL NOTES

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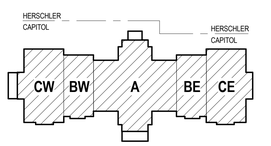
2. REFER TO LARGE SCALE PART PLANS FOR ADDITIONAL INFORMATION.

CONSTRUCTION NOTES

GRAPHIC LEGEND

KEY PLAN



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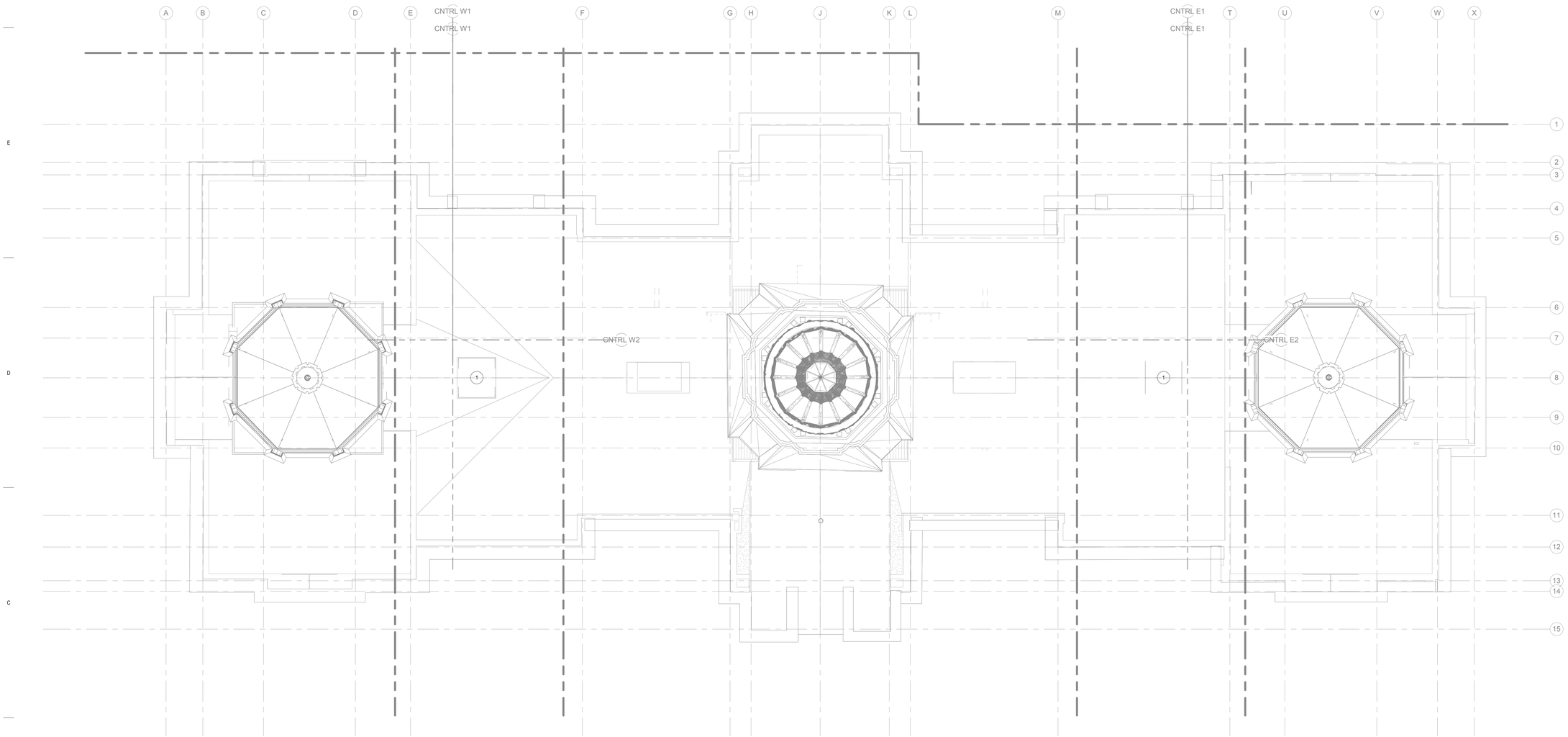
PROPOSED ATTIC 1 MECHANICAL PLAN

SCALE 1" = 10'-0"

2MH104

Schematic Design



1 PROPOSED ROOF MECHANICAL PLAN
1" = 10'-0"

7'-6" 2'-6"
10'-0" 5'-0" 0 10'-0" 20'-0" 40'-0"

GENERAL NOTES

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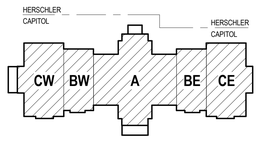
2. REFER TO LARGE SCALE PART PLANS FOR ADDITIONAL INFORMATION.

CONSTRUCTION NOTES

NUMBER	KEYNOTE
1	SMOKE EXHAUST DUCT CONNECTED BELOW TO SMOKE HATCH ON ROOF

GRAPHIC LEGEND

KEY PLAN



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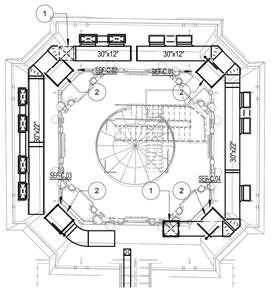
PROPOSED ROOF MECHANICAL PLAN

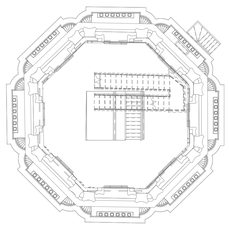
SCALE 1" = 10'-0"

2MH105

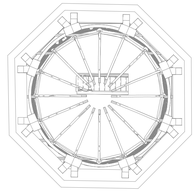
Schematic Design



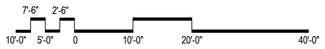
1 PROPOSED ATTIC 2 MECHANICAL PLANS
1" = 10'-0"



2 PROPOSED DOME 1 MECHANICAL PLANS
1" = 10'-0"



3 PROPOSED DOME 2 MECHANICAL PLANS
1" = 10'-0"



GENERAL NOTES

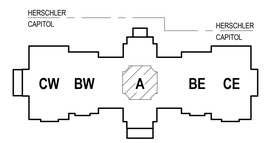
1. ALL DUCT SIZES SHOWN ARE NET SIZE. ADD 1.5" INSULATION TO ALL DUCTS. * IF THE DUCT SIZE SHOWS 12"x10", THE ACTUAL SIZE IS 15"x13".
2. REFER TO LARGE SCALE PART PLANS FOR ADDITIONAL INFORMATION.

CONSTRUCTION NOTES

NUMBER	KEYNOTE
1	DUCT DOWN TO MAKE-UP AIR UNIT
2	SMOKE EXHAUST FAN

GRAPHIC LEGEND

KEY PLAN



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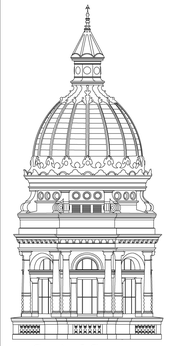

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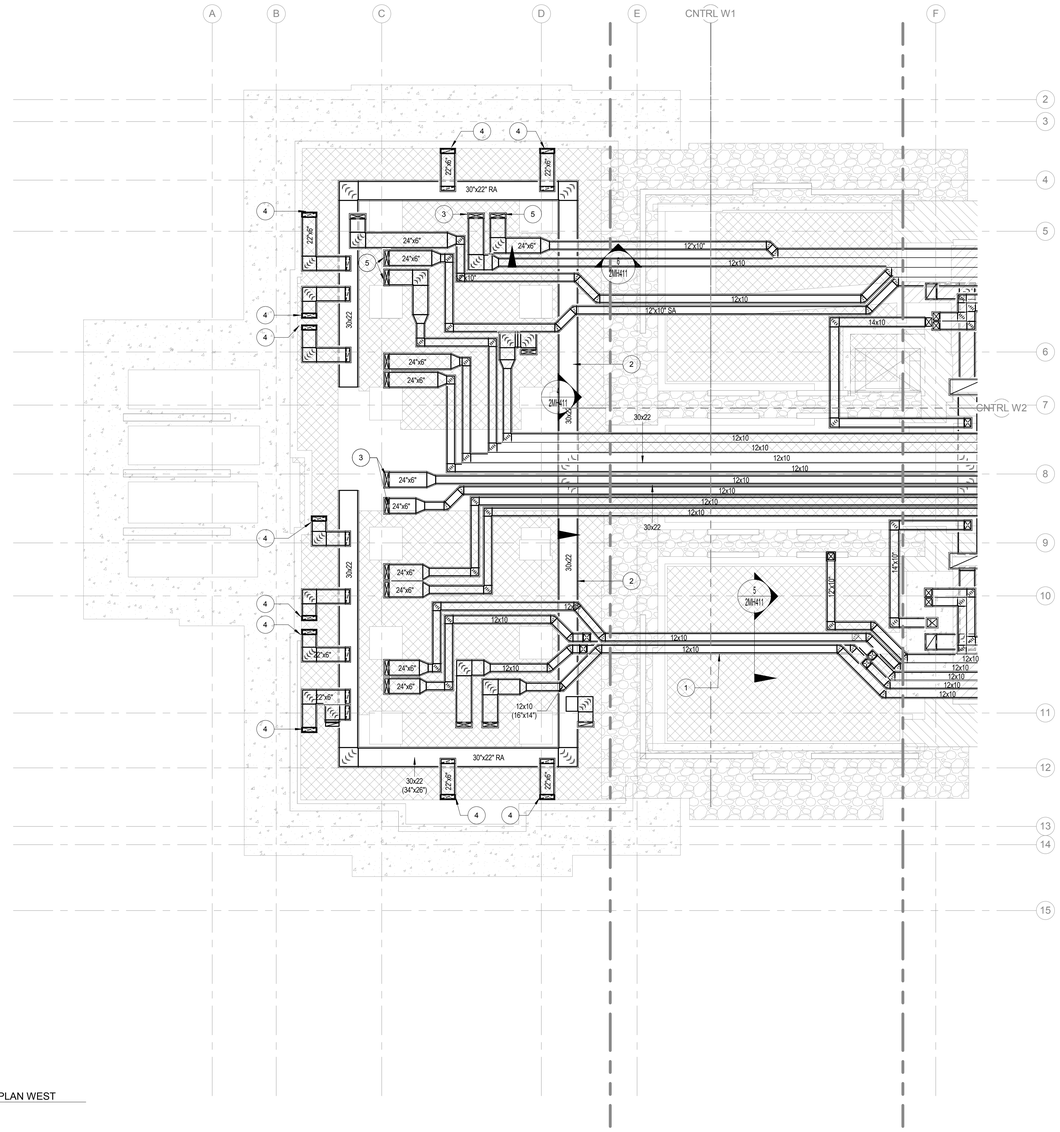
PROPOSED ATTIC 2, DOME 1 & DOME 2 MECHANICAL PLANS

SCALE 1" = 10'-0"

2MH106

Schematic Design



1 PROPOSED FOUNDATION MECHANICAL PLAN WEST
1/8" = 1'-0"

6'-0" 2'-0"
8'-0" 4'-0" 0 8'-0" 16'-0" 32'-0"

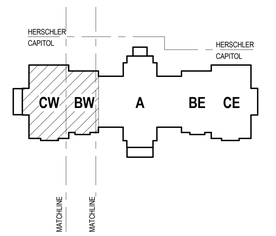
GENERAL NOTES

CONSTRUCTION NOTES

NUMBER	KEYNOTE
1	TWO STACKED 12x10 SUPPLY AIR DUCT
2	RUN 30x22 RETURN AIR DUCT IN A TRENCH
3	24x6 SUPPLY AIR DUCT UP TO THE GARDEN LEVEL CEILING
4	22X6 RETURN AIR DUCT UP TO GARDEN LEVEL FLOOR GRILLE
5	24x6 SUPPLY AIR DUCT UP TO THE FIRST FLOOR CEILING

GRAPHIC LEGEND

KEY PLAN



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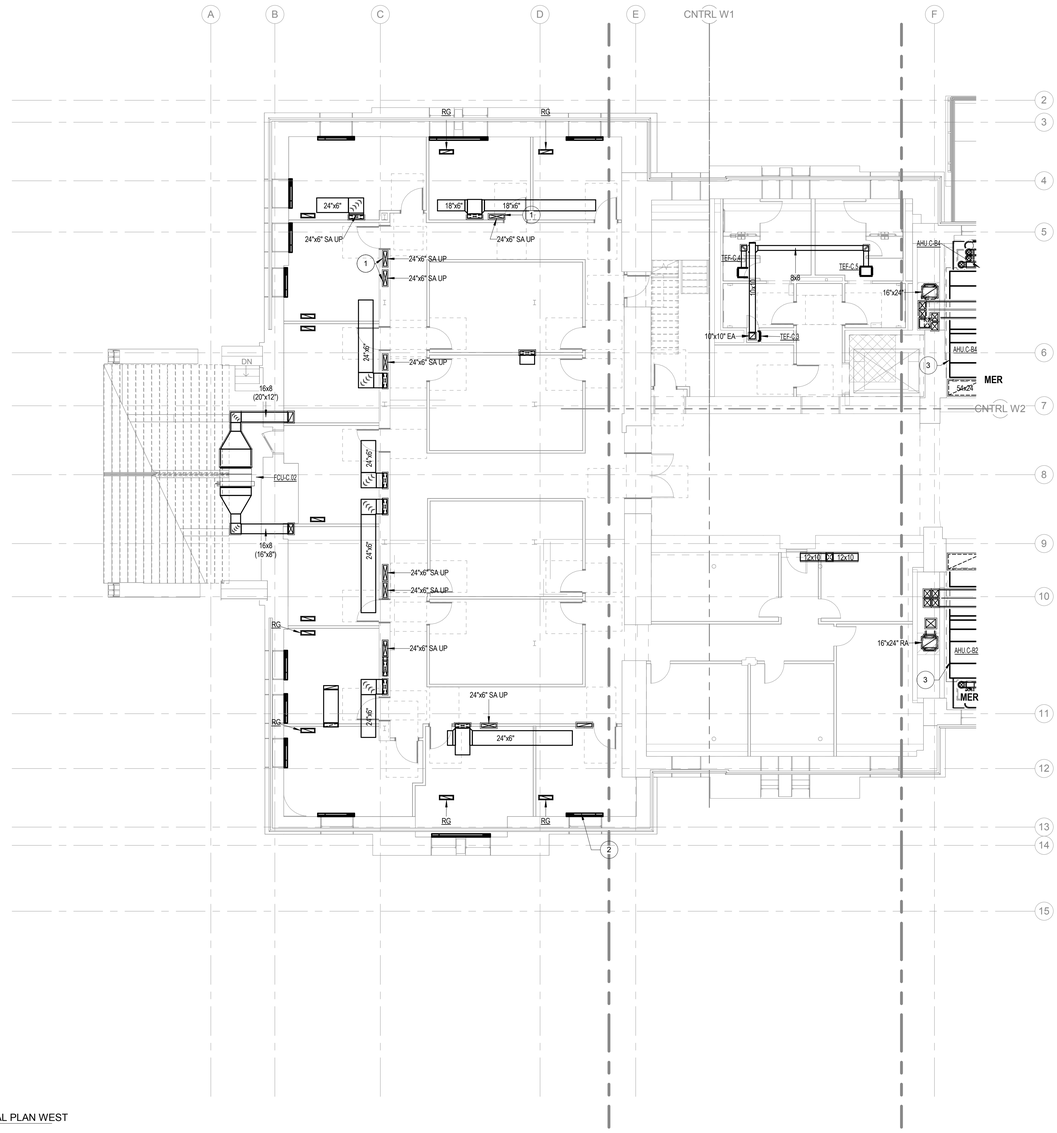
PROPOSED FOUNDATION MECHANICAL PLAN WEST

SCALE 1/8" = 1'-0"

2MH110A

Schematic Design



1 PROPOSED GARDEN LEVEL MECHANICAL PLAN WEST
1/8" = 1'-0"

6'-0" 2'-0"
8'-0" 4'-0" 0 8'-0" 16'-0" 32'-0"

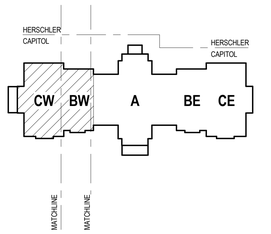
GENERAL NOTES

CONSTRUCTION NOTES

NUMBER	KEYNOTE
1	26x6 SUPPLY AIR DUCT UP TO THE FIRST FLOOR CEILING
2	FINTUBE RADIATOR (REER TO THE MEP PRESENTATION DRAWINGS IN THE NARRRATIVE REPORT FOR LOCATIONS) TYP.
3	TWO AIR HANDLING UNITS STACKED ABOVE ON TOP OF EACH OTHER

GRAPHIC LEGEND

KEY PLAN



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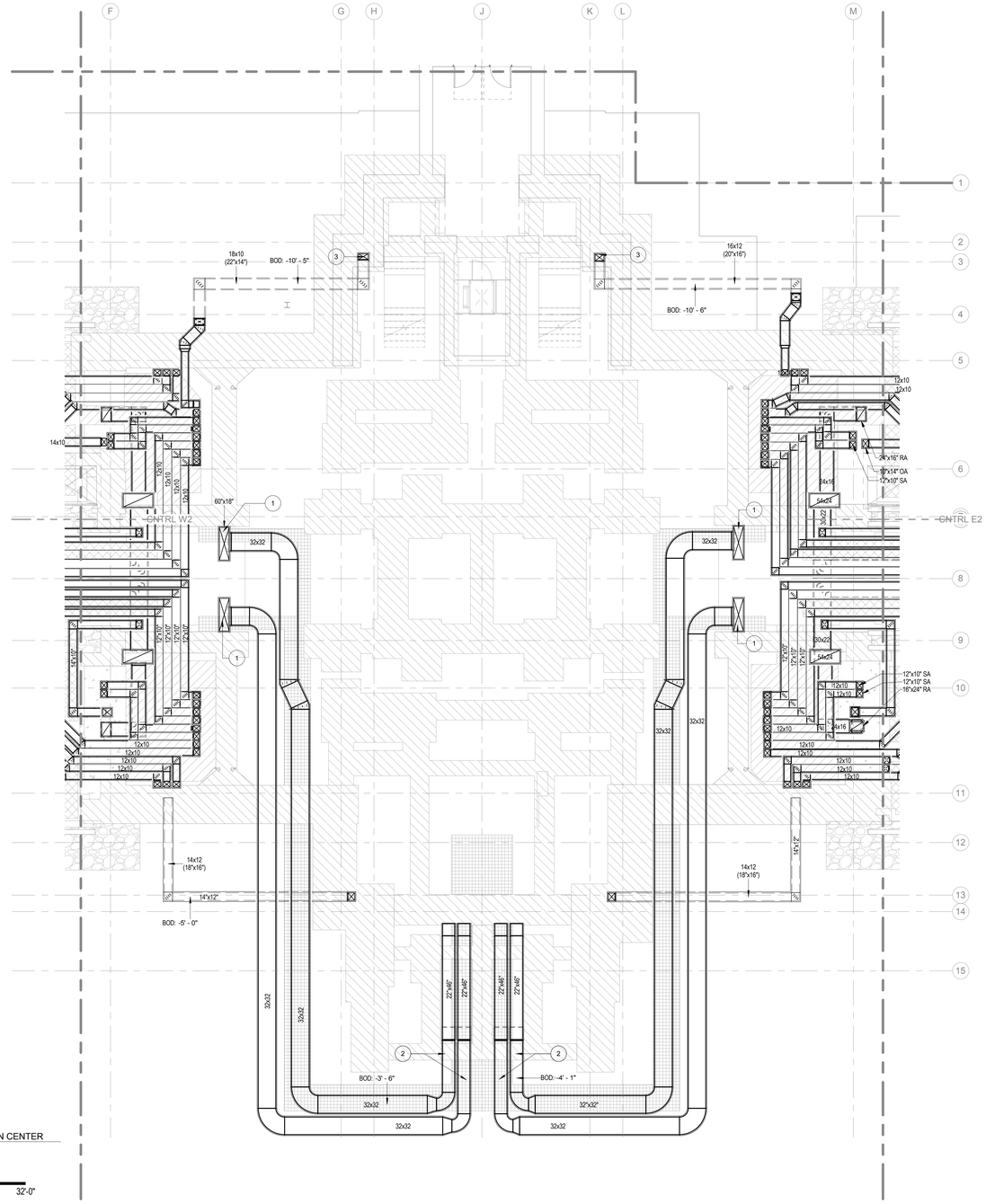
PROPOSED GARDEN LEVEL MECHANICAL PLAN WEST

SCALE 1/8" = 1'-0"

2MH110B

Schematic Design



1 PROPOSED OUNDATION MECHANICAL PLAN CENTER
1/8" = 1'-0"

6'-0" 2'-0"
8'-0" 4'-0" 0 8'-0" 16'-0" 32'-0"

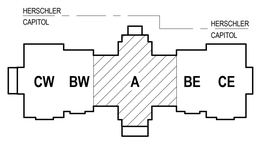
GENERAL NOTES

CONSTRUCTION NOTES

NUMBER	KEYNOTE
1	60X18 UP TO GRILLE (SMOKE EXHAUST MAKE UP)
2	OUTSIDE AIR DUCT FOR SMOKE CONTROL
3	SUPPLY AIR DUCT UP TO FIRST FLOOR

GRAPHIC LEGEND

KEY PLAN



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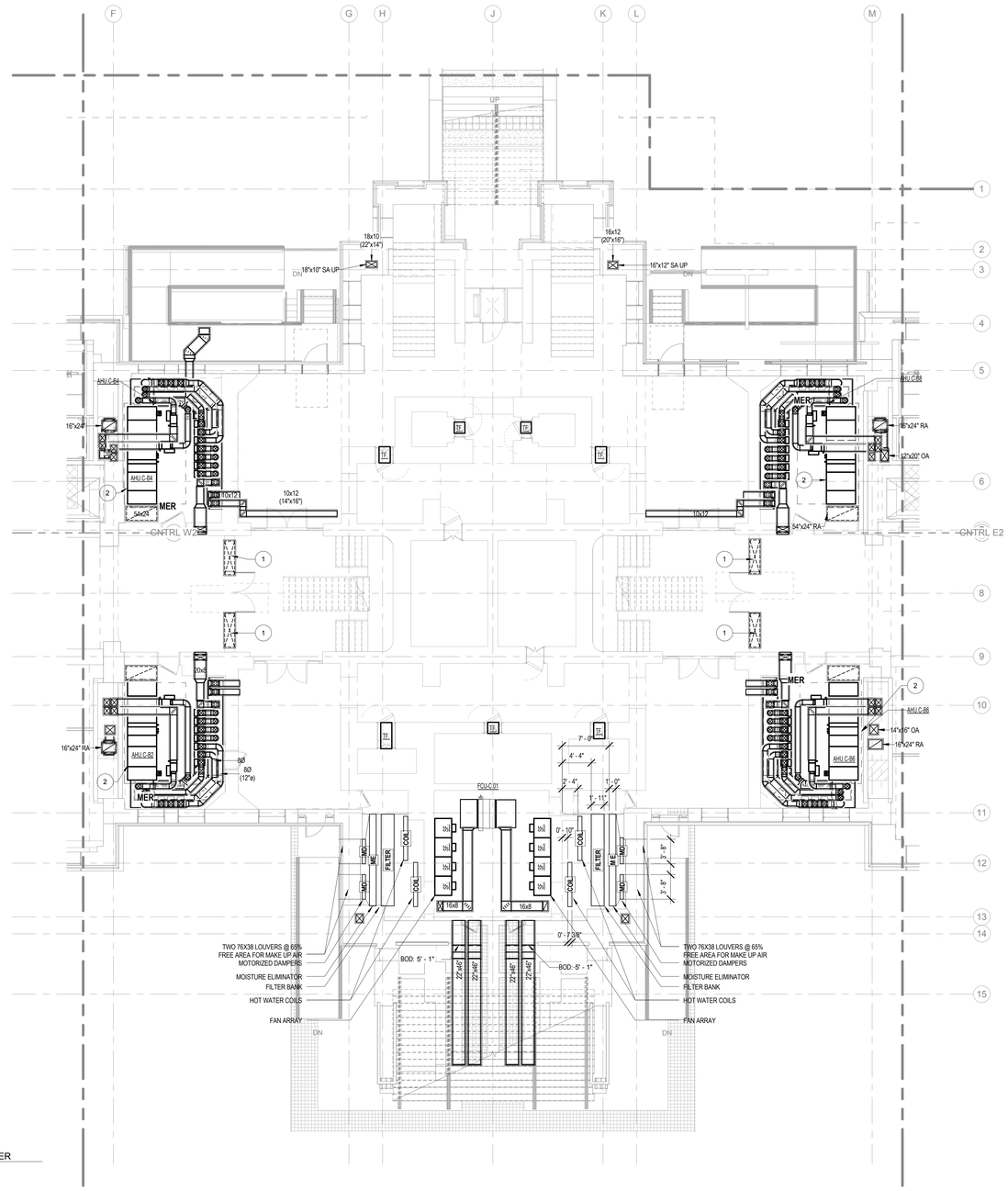
PROPOSED FOUNDATION MECHANICAL PLAN CENTER

SCALE 1/8" = 1'-0"

2MH111A

Schematic Design



1 PROPOSED GARDEN LEVEL MECHANICAL PLAN CENTER
1/8" = 1'-0"

6'-0" 2'-0"
8'-0" 4'-0" 0 8'-0" 16'-0" 32'-0"

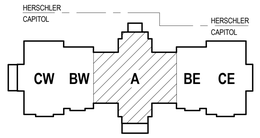
GENERAL NOTES

CONSTRUCTION NOTES

NUMBER	KEYNOTE
1	60X18 UP TO GRILLE (SMOKE EXHAUST MAKE UP)
2	TWO AIR HANDLING UNITS STACKED ABOVE ON TOP OF EACH OTHER

GRAPHIC LEGEND

KEY PLAN



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PROPOSED GARDEN LEVEL MECHANICAL PLAN CENTER

SCALE 1/8" = 1'-0"

2MH111B

Schematic Design

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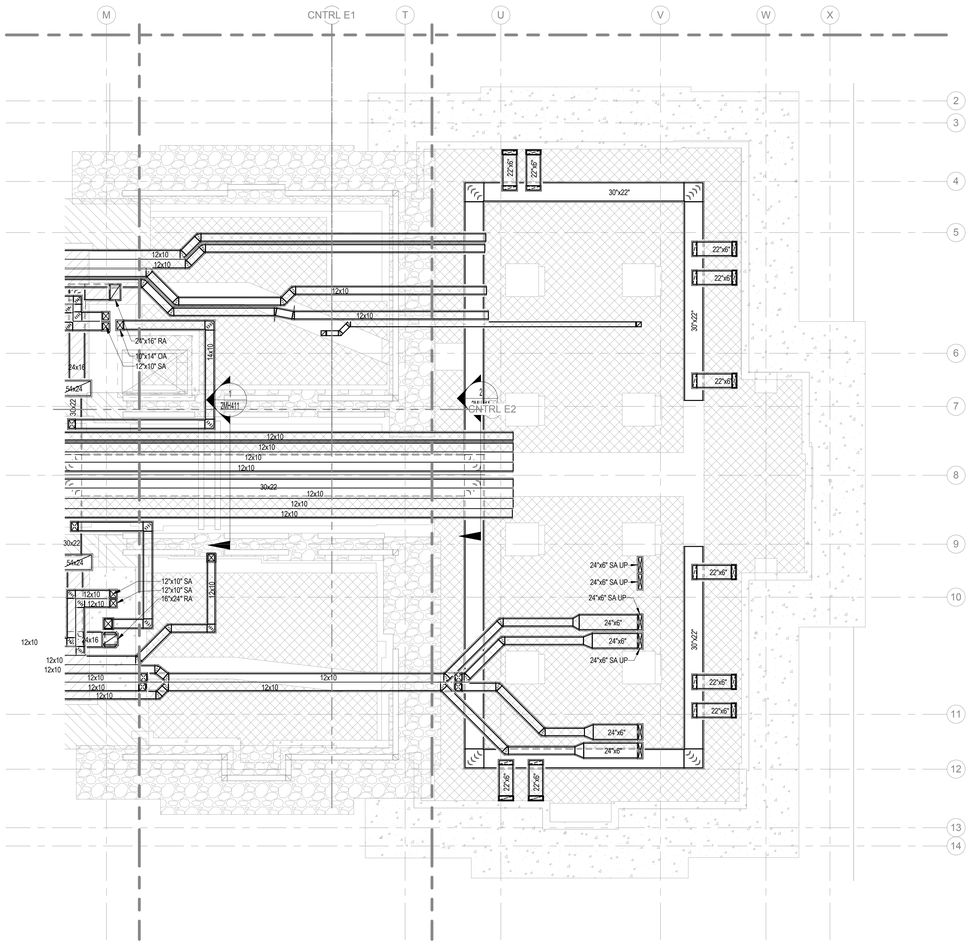


1 PROPOSED FOUNDATION MECHANICAL PLAN EAST
1/8" = 1'-0"

6'-0" 2'-0"
8'-0" 4'-0" 0 8'-0" 16'-0" 32'-0"

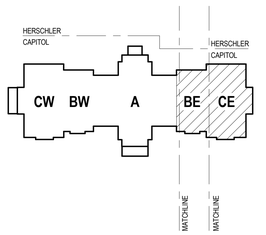
GENERAL NOTES

CONSTRUCTION NOTES

NUMBER KEYNOTE

GRAPHIC LEGEND

KEY PLAN



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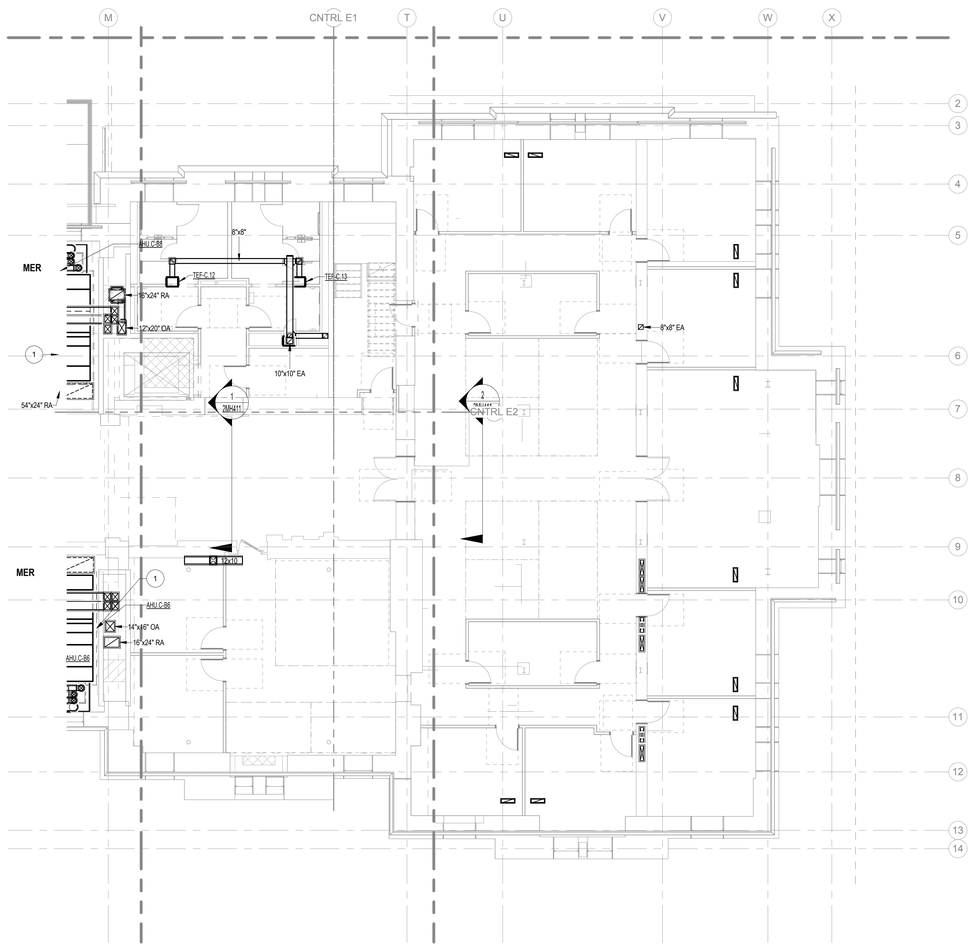
PROPOSED FOUNDATION MECHANICAL PLAN EAST

SCALE 1/8" = 1'-0"

2MH112A

Schematic Design



1 PROPOSED GARDEN LEVEL MECHANICAL PLAN EAST
1/8" = 1'-0"

6'-0" 2'-0"
8'-0" 4'-0" 0 8'-0" 16'-0" 32'-0"

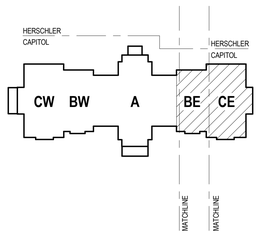
GENERAL NOTES

CONSTRUCTION NOTES

NUMBER	KEYNOTE
1	TWO AIR HANDLING UNITS STACKED ABOVE ON TOP OF EACH OTHER

GRAPHIC LEGEND

KEY PLAN



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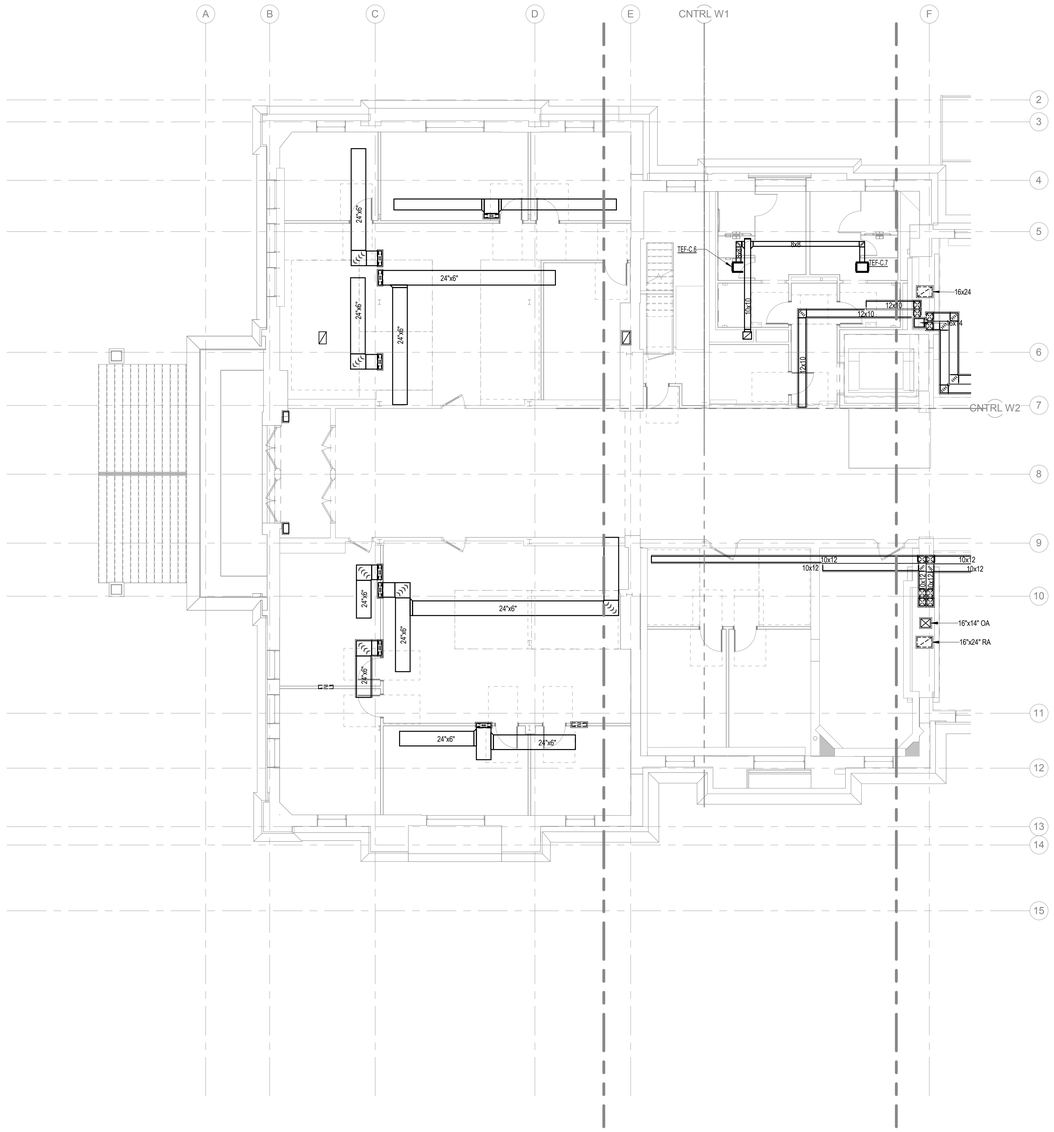
PROPOSED GARDEN LEVEL MECHANICAL PLAN EAST

SCALE 1/8" = 1'-0"

2MH112B

Schematic Design



1 PROPOSED FIRST FLOOR MECHANICAL PLAN WEST
1/8" = 1'-0"

6'-0" 2'-0"
8'-0" 4'-0" 0 8'-0" 16'-0" 32'-0"

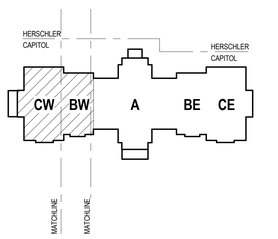
GENERAL NOTES

CONSTRUCTION NOTES

NUMBER KEYNOTE

GRAPHIC LEGEND

KEY PLAN



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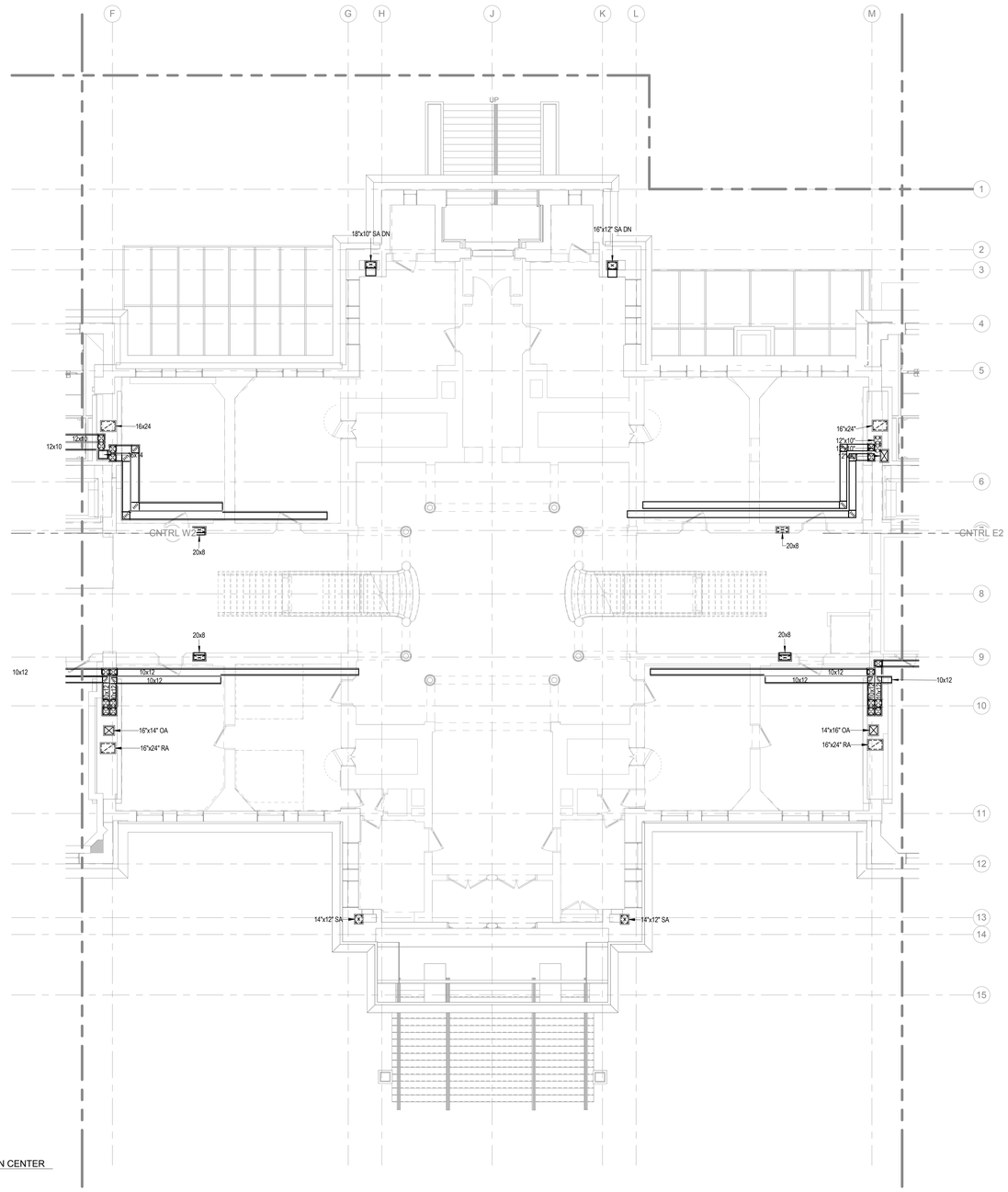
PROPOSED FIRST FLOOR MECHANICAL PLAN WEST

SCALE 1/8" = 1'-0"

2MH115

Schematic Design



1 PROPOSED FIRST FLOOR MECHANICAL PLAN CENTER
1/8" = 1'-0"

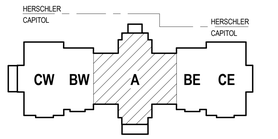
6'-0" 2'-0"
8'-0" 4'-0" 0 8'-0" 16'-0" 32'-0"

GENERAL NOTES

CONSTRUCTION NOTES

GRAPHIC LEGEND

KEY PLAN



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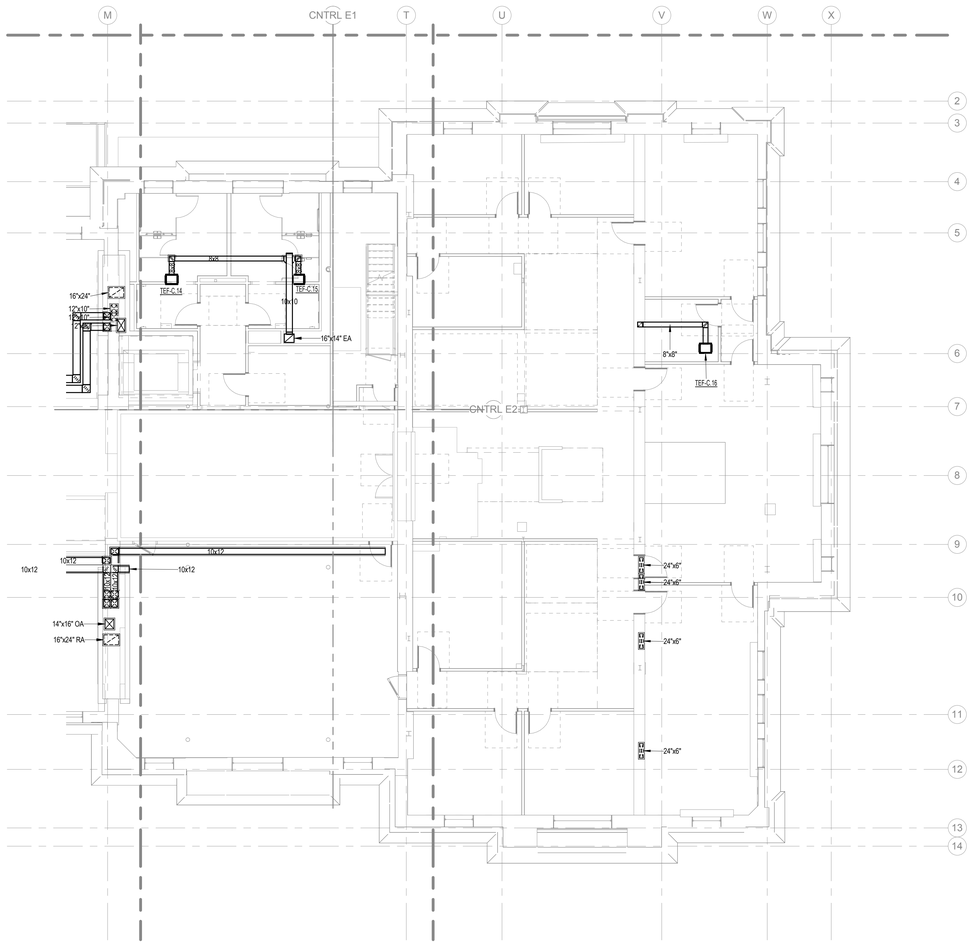
PROPOSED FIRST FLOOR MECHANICAL PLAN CENTER

SCALE: 1/8" = 1'-0"

2MH116

Schematic Design



1 PROPOSED FIRST FLOOR MECHANICAL PLAN EAST
1/8" = 1'-0"

6'-0" 2'-0"
8'-0" 4'-0" 0 8'-0" 16'-0" 32'-0"

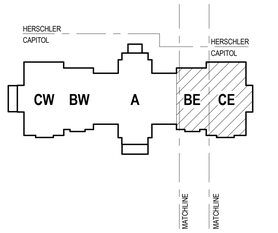
GENERAL NOTES

CONSTRUCTION NOTES

NUMBER KEYNOTE

GRAPHIC LEGEND

KEY PLAN



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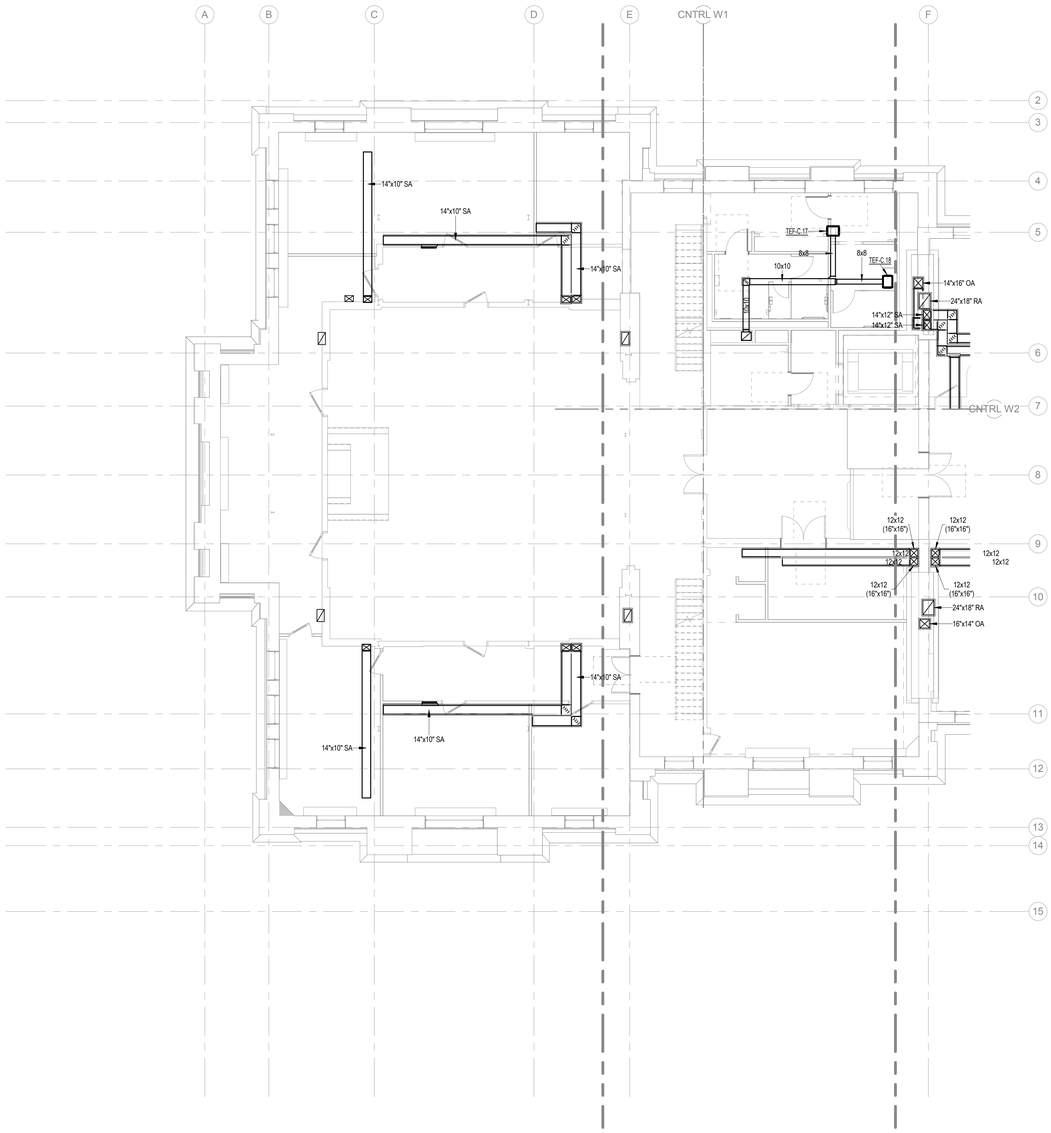
PROPOSED FIRST FLOOR MECHANICAL PLAN EAST

SCALE 1/8" = 1'-0"

2MH117

Schematic Design



1 PROPOSED SECOND FLOOR MECHANICAL PLAN WEST
1/8" = 1'-0"

6'-0" 2'-0"
8'-0" 4'-0" 0 8'-0" 16'-0" 32'-0"

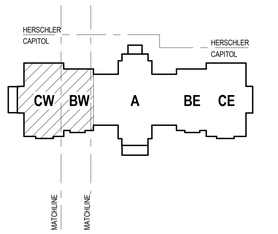
GENERAL NOTES

CONSTRUCTION NOTES

NUMBER KEYNOTE

GRAPHIC LEGEND

KEY PLAN



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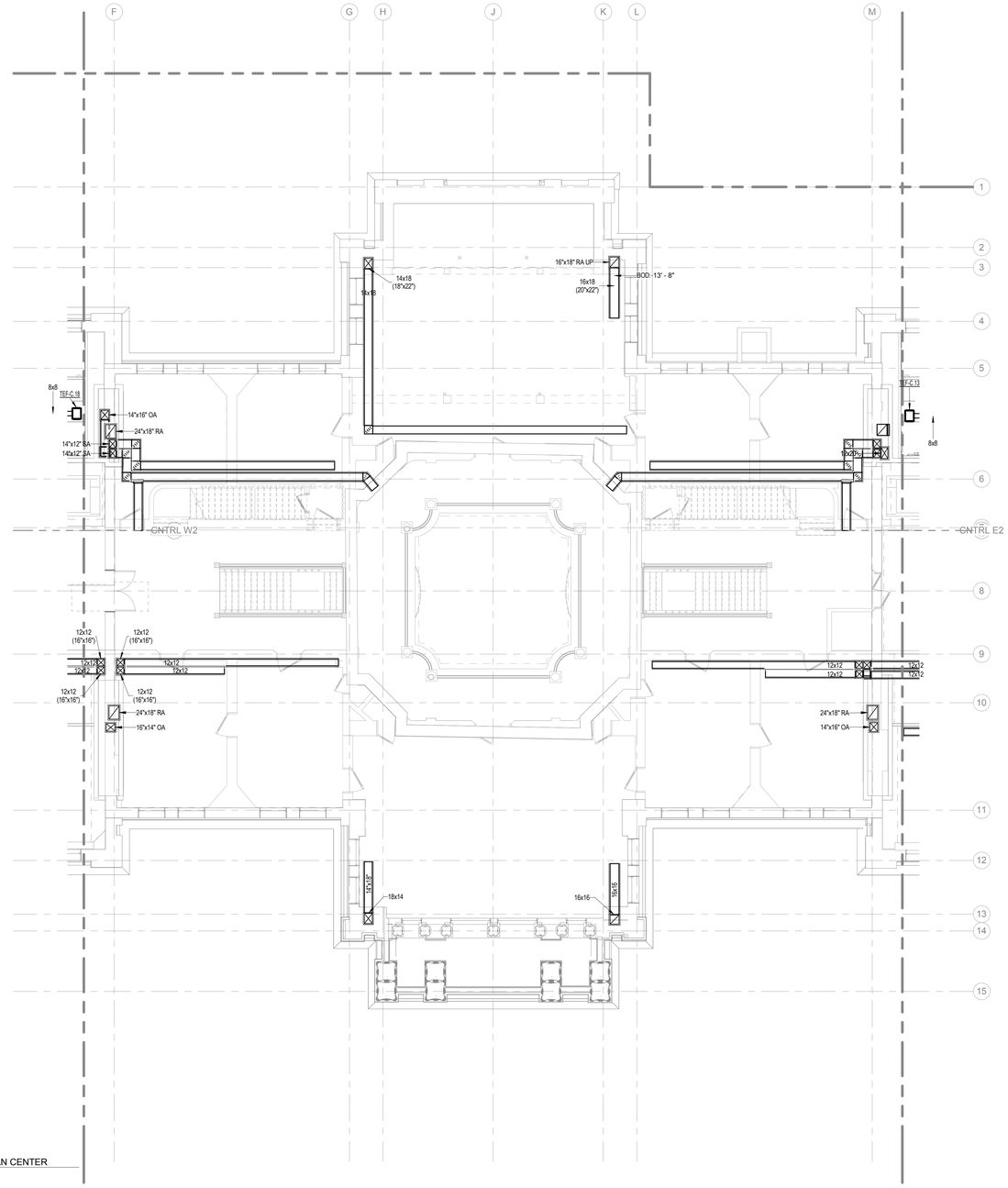
PROPOSED SECOND FLOOR MECHANICAL PLAN WEST

SCALE 1/8" = 1'-0"

2MH120

Schematic Design



1 PROPOSED SECOND FLOOR MECHANICAL PLAN CENTER
1/8" = 1'-0"

6'-0" 2'-0"
8'-0" 4'-0" 0 8'-0" 16'-0" 32'-0"

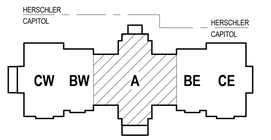
GENERAL NOTES

CONSTRUCTION NOTES

NUMBER KEYNOTE

GRAPHIC LEGEND

KEY PLAN



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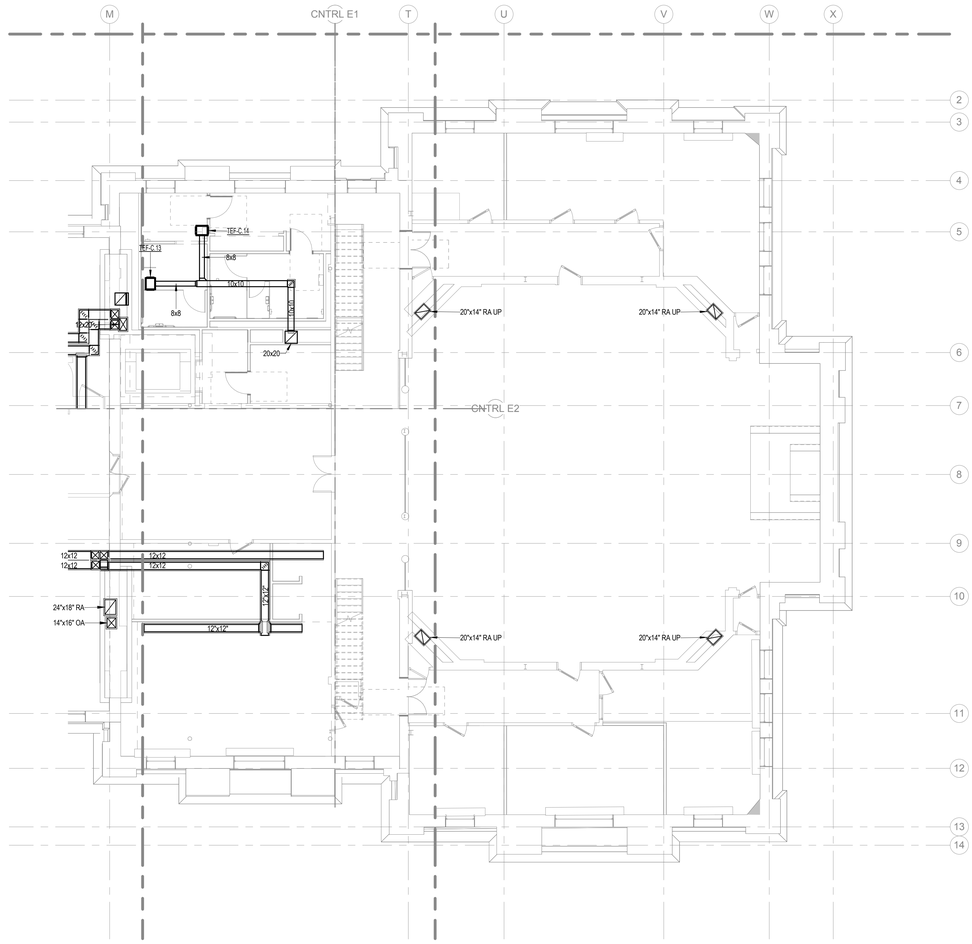
PROPOSED SECOND FLOOR MECHANICAL PLAN CENTER

SCALE 1/8" = 1'-0"

2MH121

Schematic Design



1 PROPOSED SECOND FLOOR MECHANICAL PLAN EAST
1/8" = 1'-0"

6'-0" 2'-0"
8'-0" 4'-0" 0 8'-0" 16'-0" 32'-0"

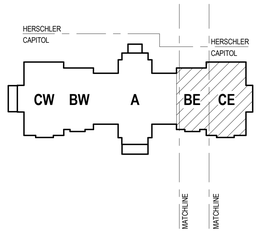
GENERAL NOTES

CONSTRUCTION NOTES

NUMBER KEYNOTE

GRAPHIC LEGEND

KEY PLAN



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State of Wyoming

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Construction Management

Capitol Square
Rehabilitation and Restoration

HDR PDP RA

LORING CONSULTING ENGINEERS

PRELIMINARY
NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION
1	2014/12/19	SD OWNER REVIEW

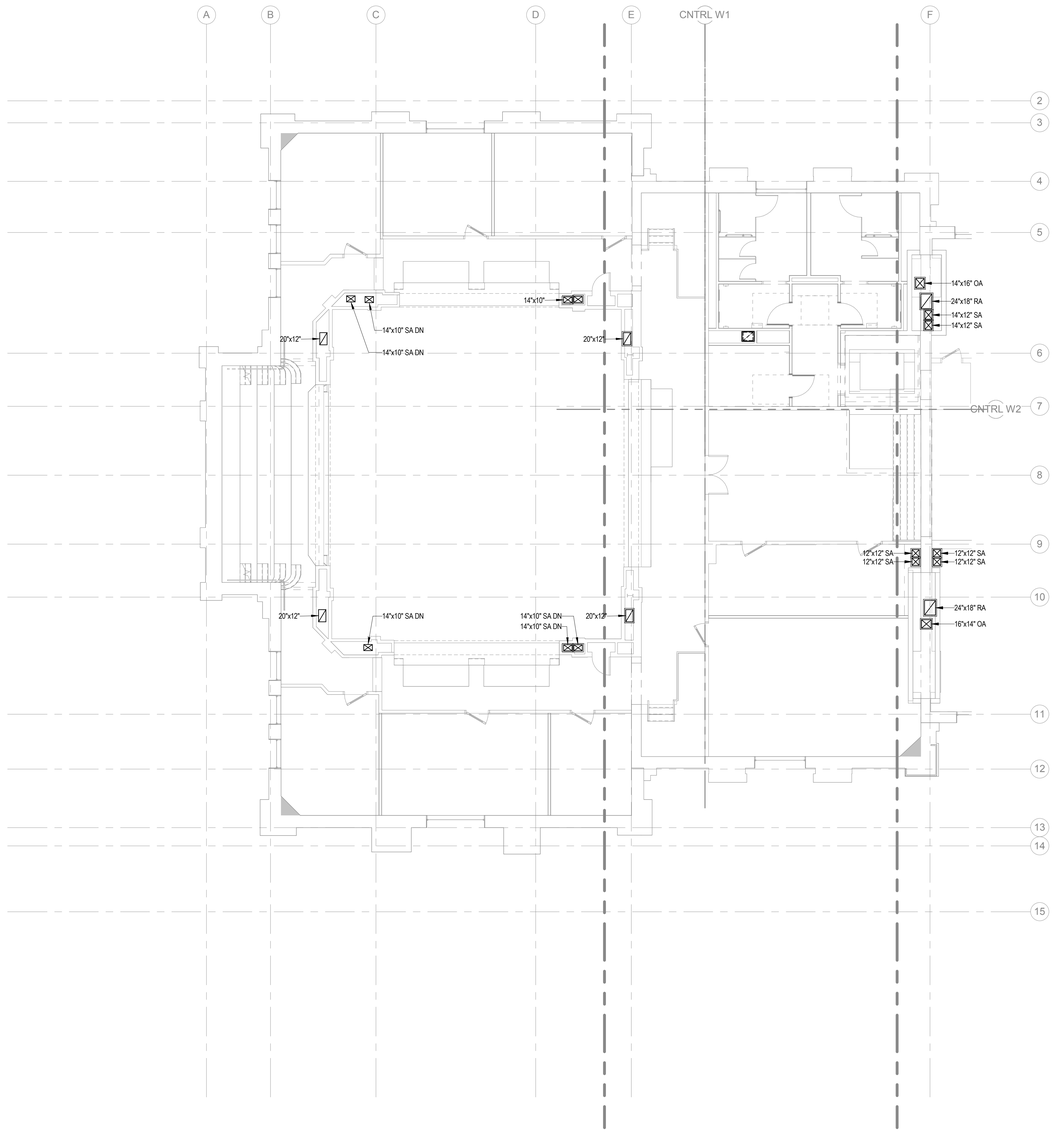
PROJECT NUMBER	203819
ORIGINAL ISSUE	---
PKG. IDENTIFIER	2

PROPOSED SECOND FLOOR MECHANICAL PLAN EAST

SCALE 1/8" = 1'-0"

2MH122

Schematic Design



2 PROPOSED THIRD FLOOR MECHANICAL PLAN WEST
1/8" = 1'-0"

6'-0" 2'-0"
8'-0" 4'-0" 0 8'-0" 16'-0" 32'-0"

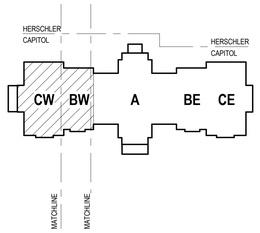
GENERAL NOTES

CONSTRUCTION NOTES

NUMBER KEYNOTE

GRAPHIC LEGEND

KEY PLAN



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MARK	DATE	DESCRIPTION
1	2014/12/19	SD OWNER REVIEW

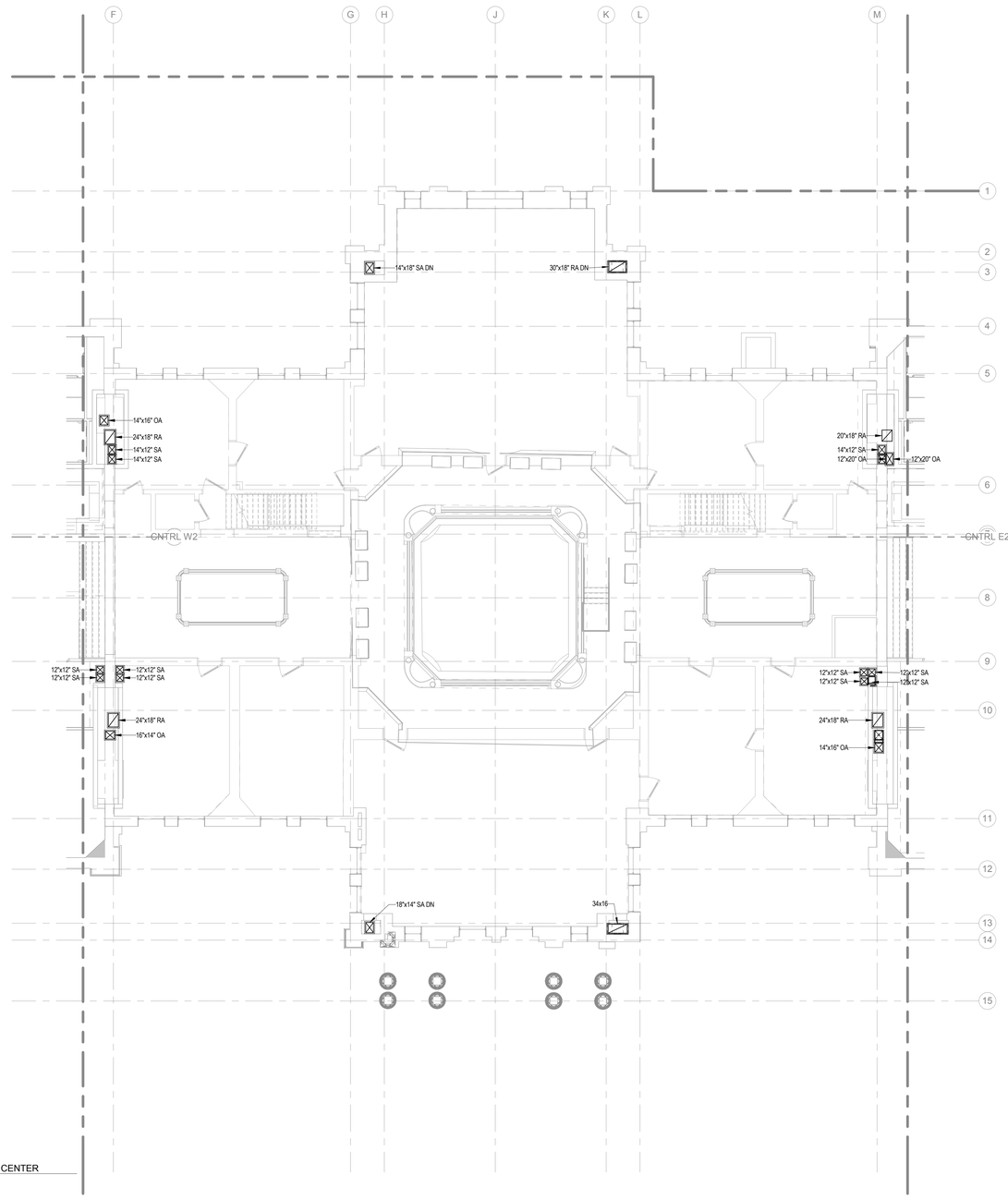
PROJECT NUMBER	203619
ORIGINAL ISSUE	- - -
PKG. IDENTIFIER	2

PROPOSED THIRD FLOOR MECHANICAL PLAN WEST

SCALE 1/8" = 1'-0"

2MH125

Schematic Design



1 PROPOSED THIRD FLOOR MECHANICAL PLAN CENTER
1/8" = 1'-0"

6'-0" 2'-0"
8'-0" 4'-0" 0 8'-0" 16'-0" 32'-0"

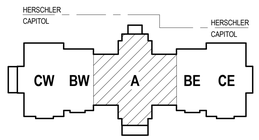
GENERAL NOTES

CONSTRUCTION NOTES

NUMBER KEYNOTE

GRAPHIC LEGEND

KEY PLAN



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PRELIMINARY
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MARK	DATE	DESCRIPTION
1	2014/12/19	SD OWNER REVIEW

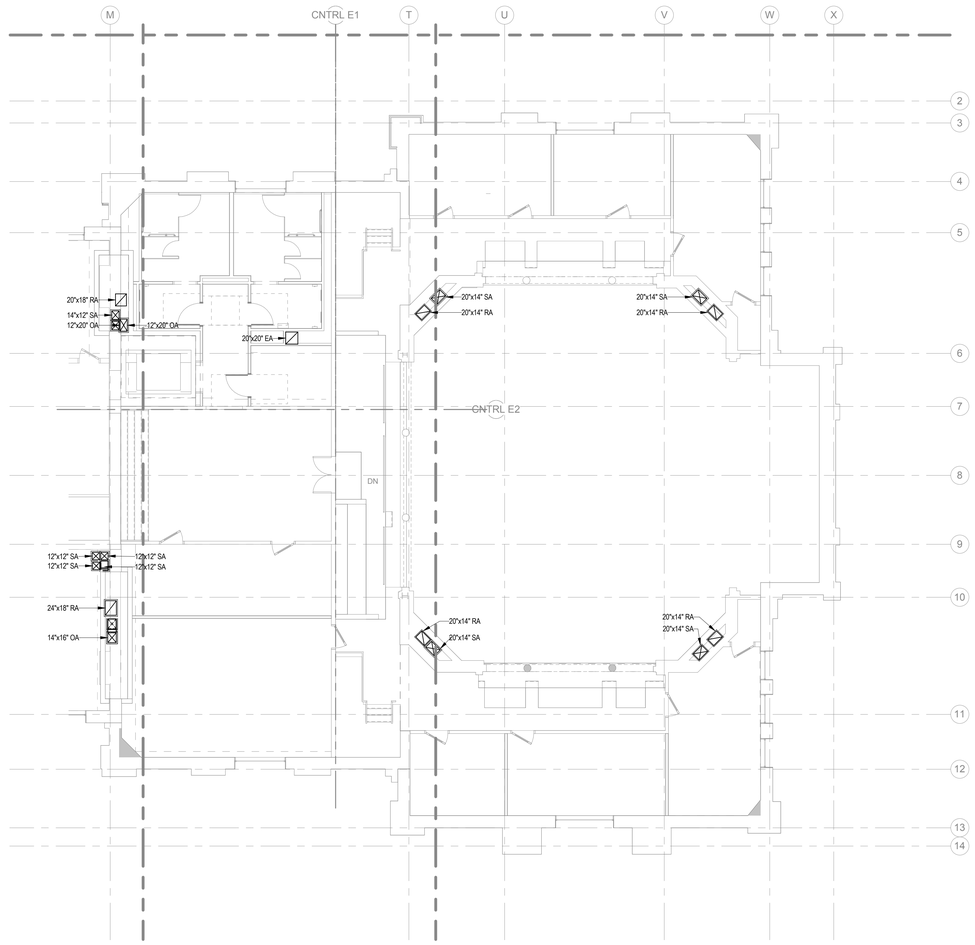
PROJECT NUMBER	203619
ORIGINAL ISSUE	- -
PKG. IDENTIFIER	2

PROPOSED THIRD FLOOR MECHANICAL PLAN CENTER

SCALE 1/8" = 1'-0"

2MH126

Schematic Design



1 PROPOSED THIRD FLOOR MECHANICAL PLAN EAST
1/8" = 1'-0"

6'-0" 2'-0"
8'-0" 4'-0" 0 8'-0" 16'-0" 32'-0"

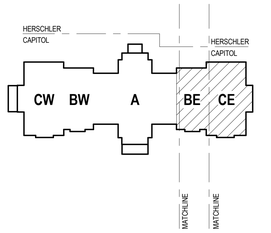
GENERAL NOTES

CONSTRUCTION NOTES

NUMBER KEYNOTE

GRAPHIC LEGEND

KEY PLAN



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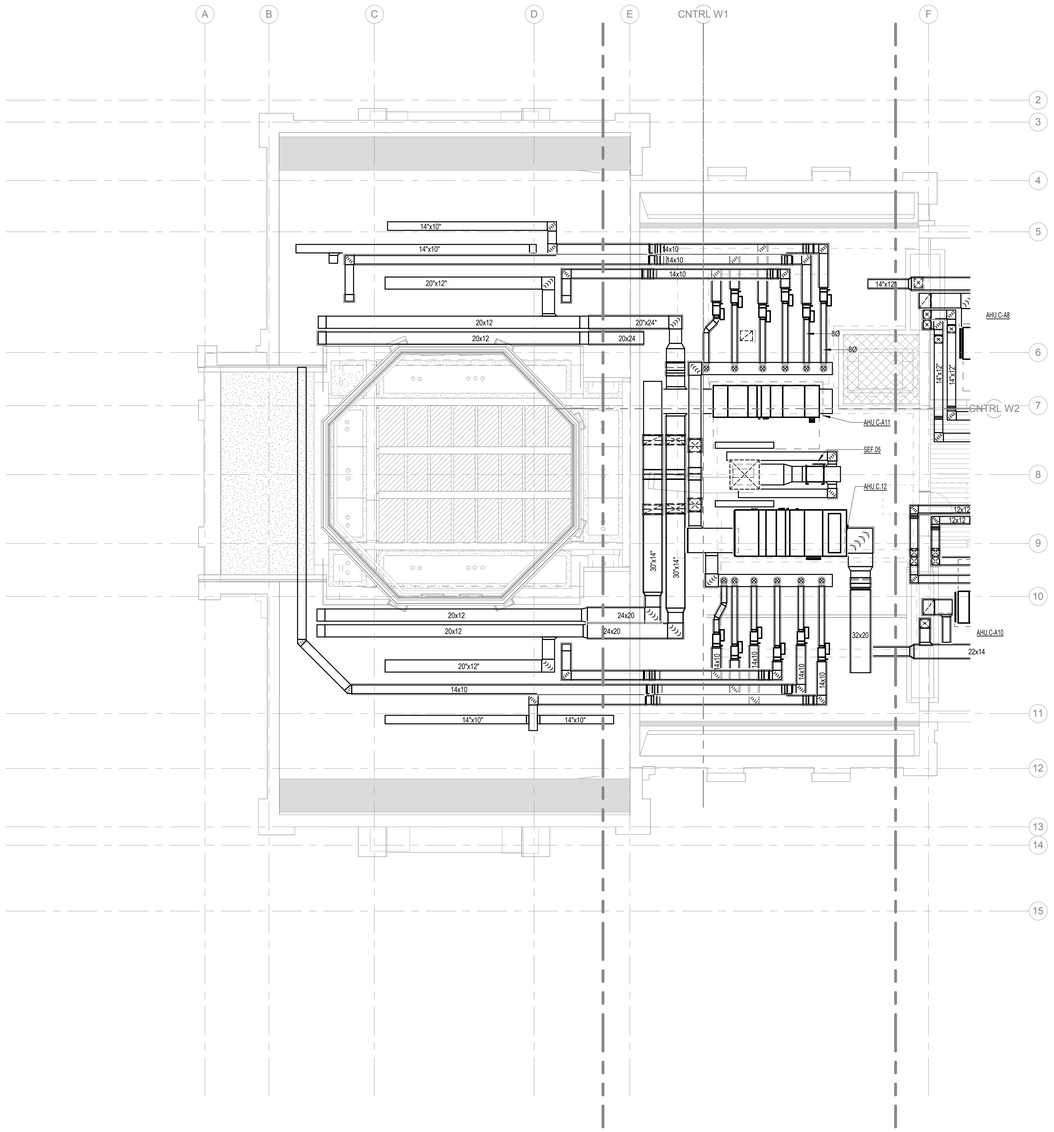
ORIGINAL ISSUE	- - -
PKG. IDENTIFIER	2

PROPOSED THIRD FLOOR MECHANICAL PLAN EAST

SCALE 1/8" = 1'-0"

2MH127

Schematic Design



2 PROPOSED ATTIC 1 MECHANICAL PLAN WEST
1/8" = 1'-0"

6'-0" 2'-0"
8'-0" 4'-0" 0 8'-0" 16'-0" 32'-0"

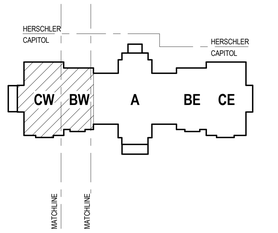
GENERAL NOTES

CONSTRUCTION NOTES

NUMBER KEYNOTE

GRAPHIC LEGEND

KEY PLAN



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LORING CONSULTING ENGINEERS

PRELIMINARY
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MARK	DATE	DESCRIPTION
1	2014/12/19	SD OWNER REVIEW

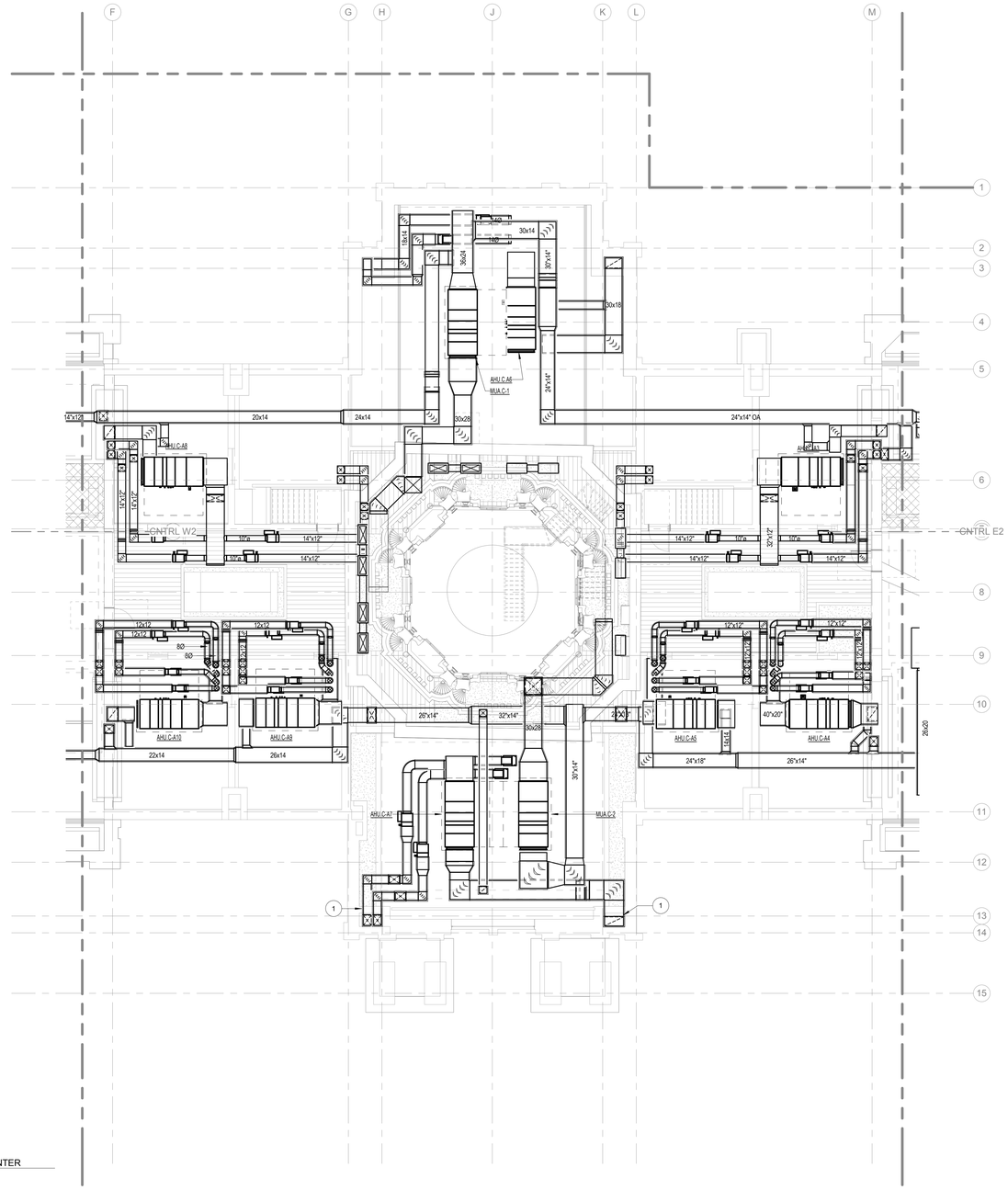
PROJECT NUMBER	203619
ORIGINAL ISSUE	- - -
PKG. IDENTIFIER	2

PROPOSED ATTIC 1 MECHANICAL PLAN WEST

SCALE 1/8" = 1'-0"

2MH130

Schematic Design



1 PROPOSED ATTIC 1 MECHANICAL PLAN CENTER
1/8" = 1'-0"

6'-0" 2'-0"
8'-0" 4'-0" 0 8'-0" 16'-0" 32'-0"

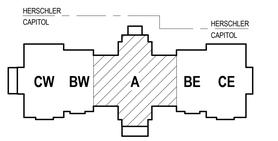
GENERAL NOTES

CONSTRUCTION NOTES

NUMBER	KEYNOTE
1	DUCTOWORK IN BULKHEAD ON ROOF

GRAPHIC LEGEND

KEY PLAN



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PRELIMINARY
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1	2014/12/19	SD OWNER REVIEW

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ORIGINAL ISSUE	---
PKG. IDENTIFIER	2

PROPOSED ATTIC 1 MECHANICAL PLAN CENTER

SCALE 1/8" = 1'-0"

2MH131

Schematic Design

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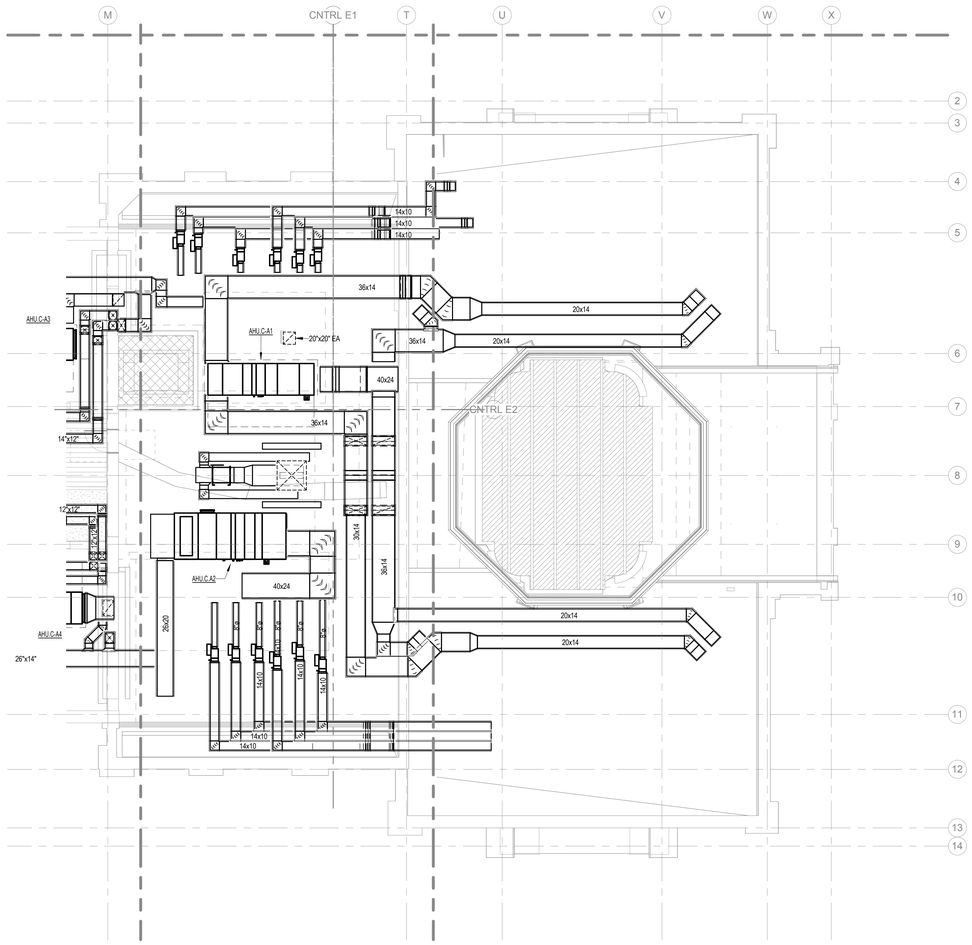
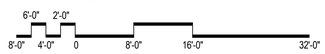


1 PROPOSED ATTIC 1 MECHANICAL PLAN EAST
1/8" = 1'-0"



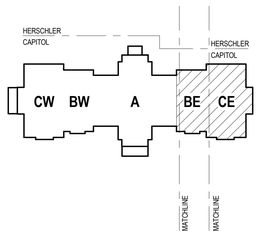
GENERAL NOTES

CONSTRUCTION NOTES

NUMBER KEYNOTE

GRAPHIC LEGEND

KEY PLAN



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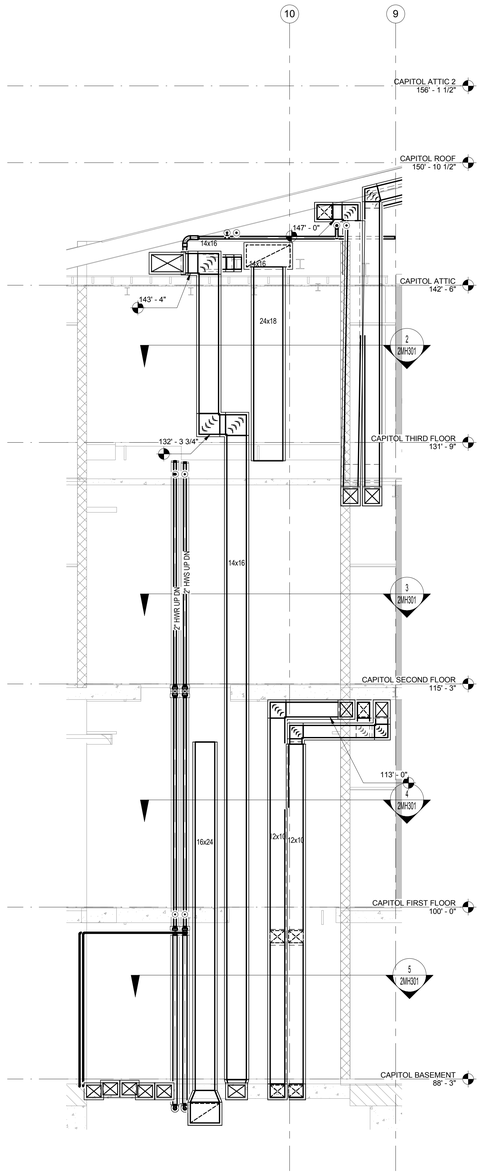
PKG. IDENTIFIER	2

PROPOSED ATTIC 1 MECHANICAL PLAN EAST

SCALE 1/8" = 1'-0"

2MH132

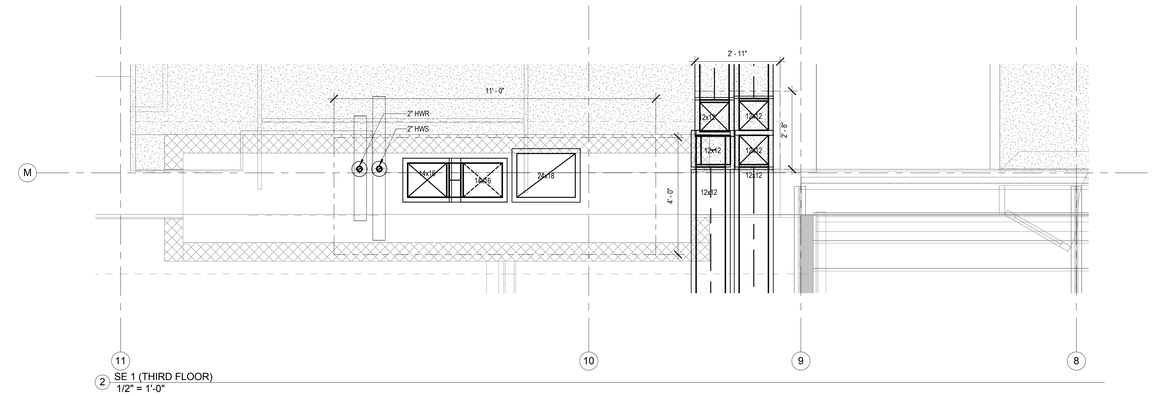
Schematic Design



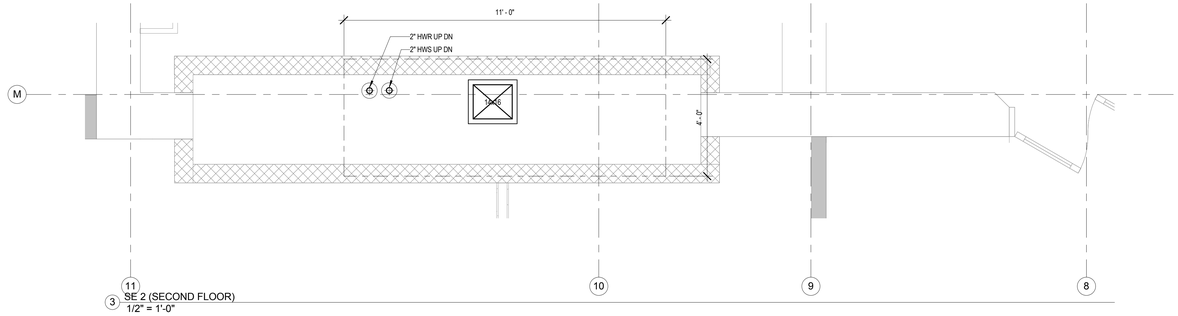
1 SE MER SHAFT SECTION
1/4" = 1'-0"

1. ALL DUCT SIZES SHOWN ARE NET SIZE, ADD 1.5" INSULATION TO ALL DUCTS.
* IF THE DUCT SIZE SHOWS 12"x10", THE ACTUAL SIZE IS 15"x13".

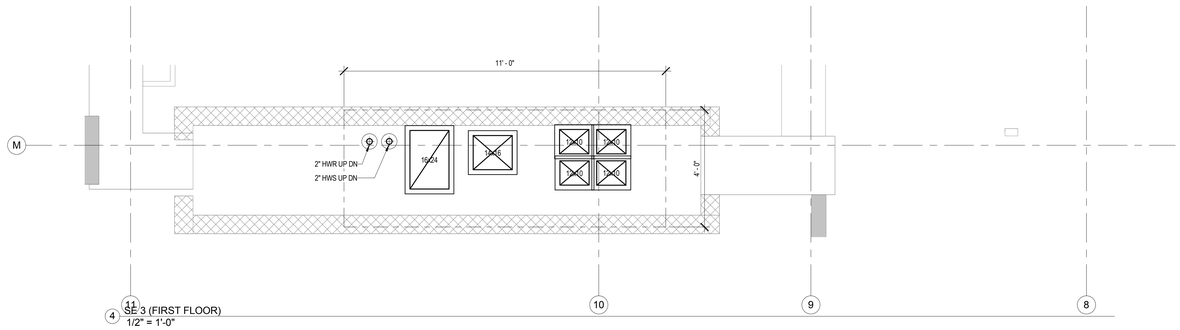
3'-0" 1'-0"
4'-0" 2'-0" 0 4'-0" 8'-0" 16'-0"



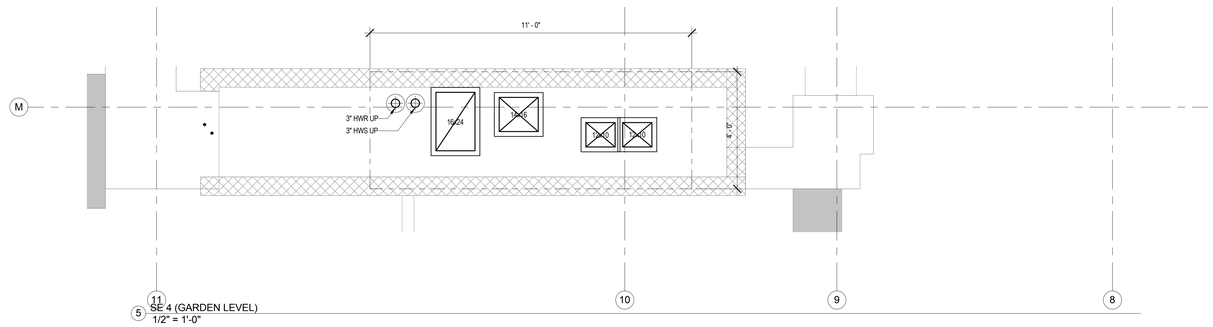
2 SE 1 (THIRD FLOOR)
1/2" = 1'-0"



3 SE 2 (SECOND FLOOR)
1/2" = 1'-0"



4 SE 3 (FIRST FLOOR)
1/2" = 1'-0"



5 SE 4 (GARDEN LEVEL)
1/2" = 1'-0"

2'-0" 0 2'-0" 4'-0" 8'-0"

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PKG. IDENTIFIER	2

PROPOSED SOUTHEAST MECHANICAL PLANS & SECTION

SCALE: As indicated

2MH301

Schematic Design

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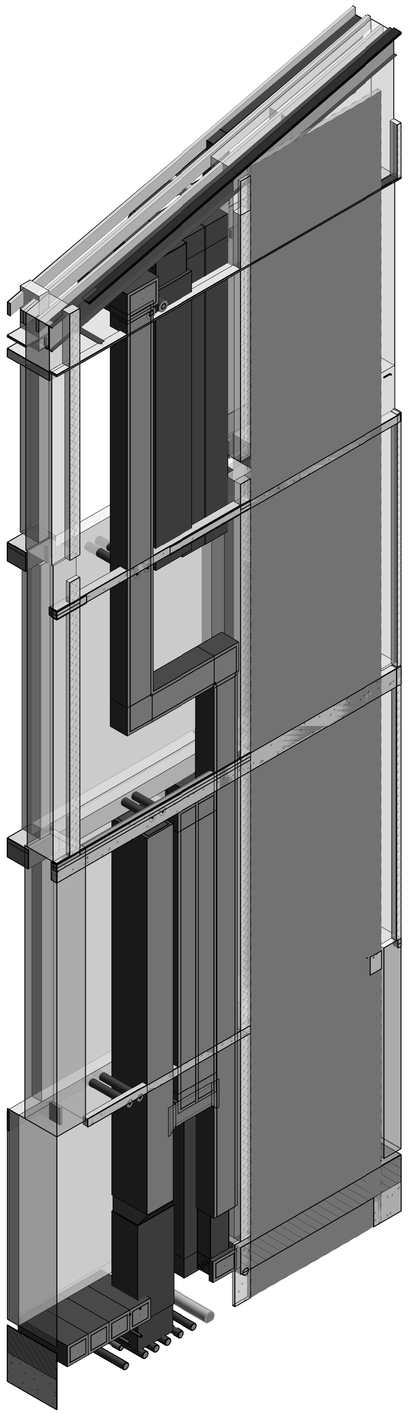
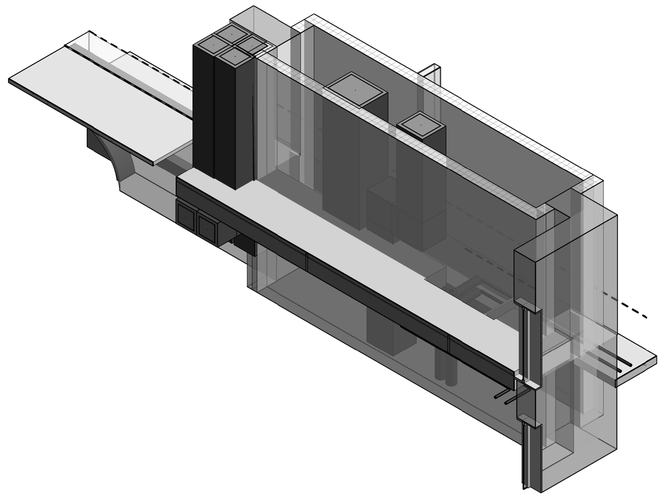
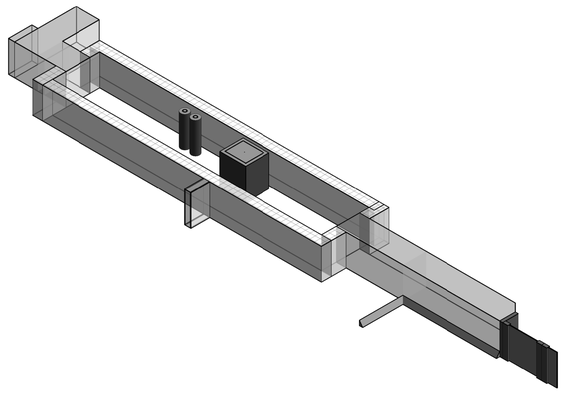


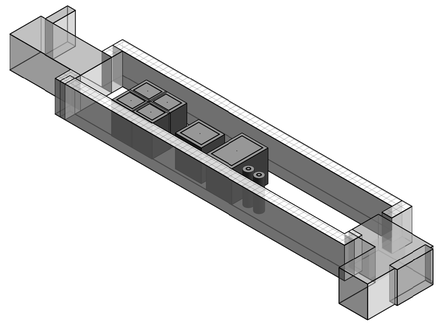
1 3D - SE MER SHAFT SECTION



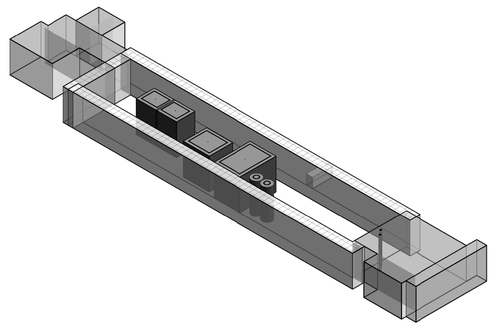
2 3D - SE 1 (THIRD FLOOR)



3 3D - SE 2 (SECOND FLOOR)



4 3D - SE 3 (FIRST FLOOR)



5 3D - SE 4 (GARDEN LEVEL)

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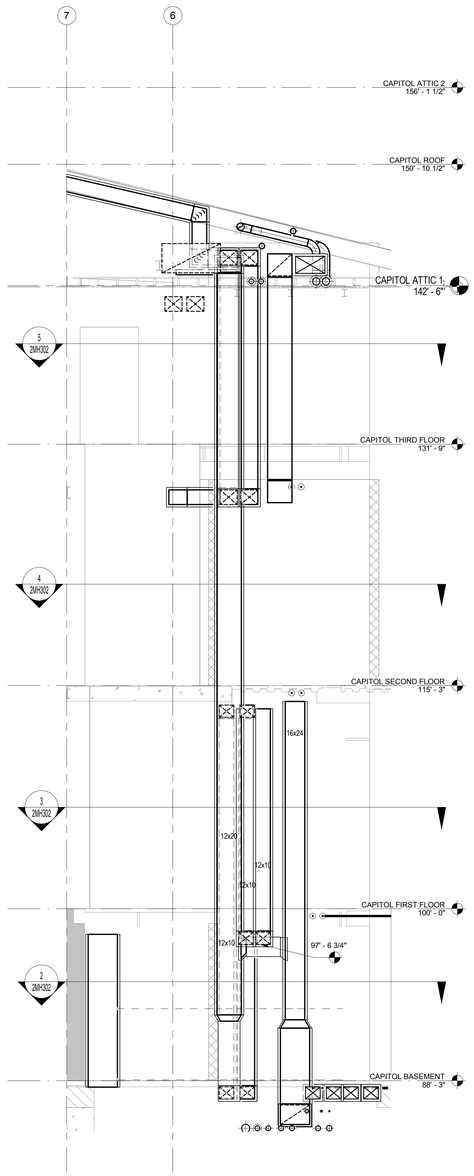
PKG. IDENTIFIER	2

PROPOSED SOUTHEAST MECHANICAL SHAFT 3D VIEWS

SCALE

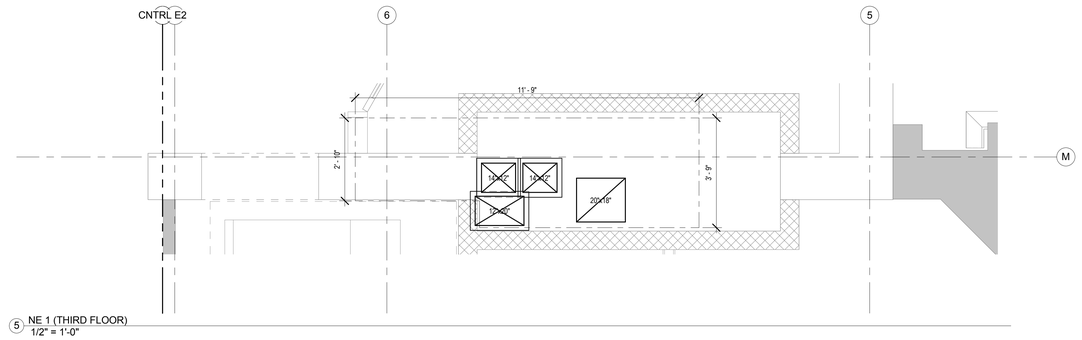
2MH301A

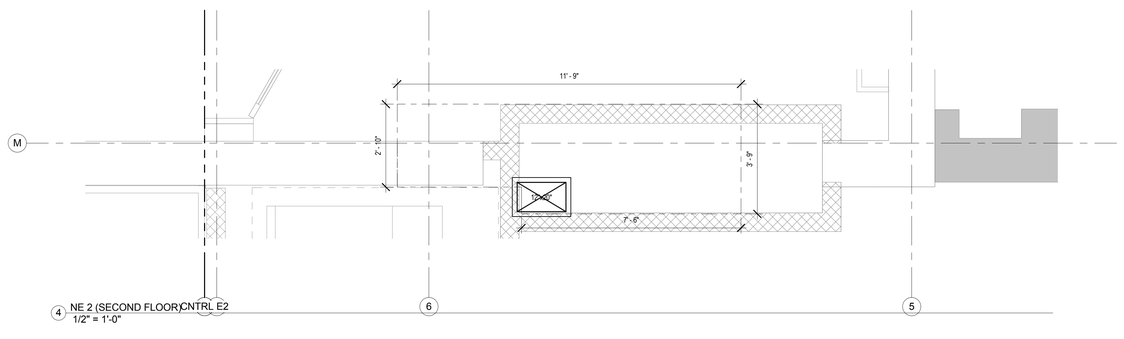
Schematic Design

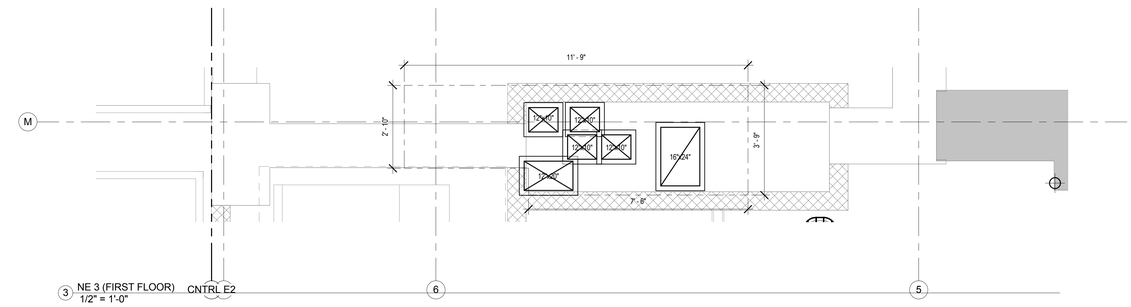


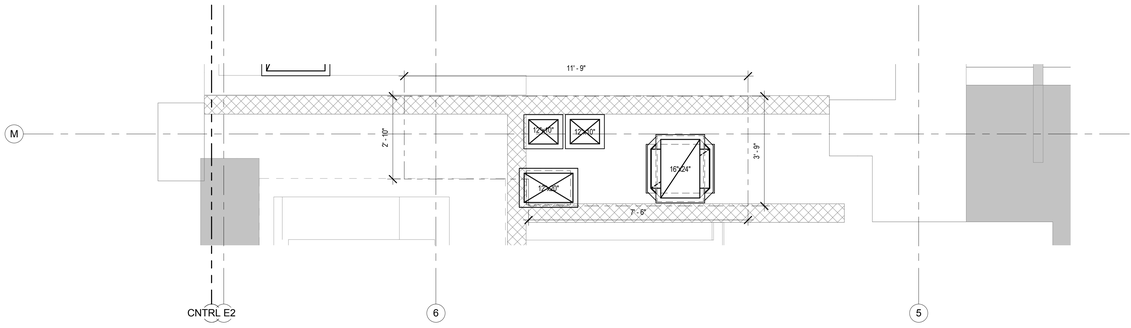
1 NE MER SHAFT SECTION
1/4" = 1'-0"

1. ALL DUCT SIZES SHOWN ARE NET SIZE, ADD 1.5" INSULATION TO ALL DUCTS.
* IF THE DUCT SIZE SHOWS 12"x10", THE ACTUAL SIZE IS 15"x13".

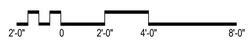








2 NE 4 (GARDEN LEVEL)
1/2" = 1'-0"



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1	2014/12/19	SD OWNER REVIEW

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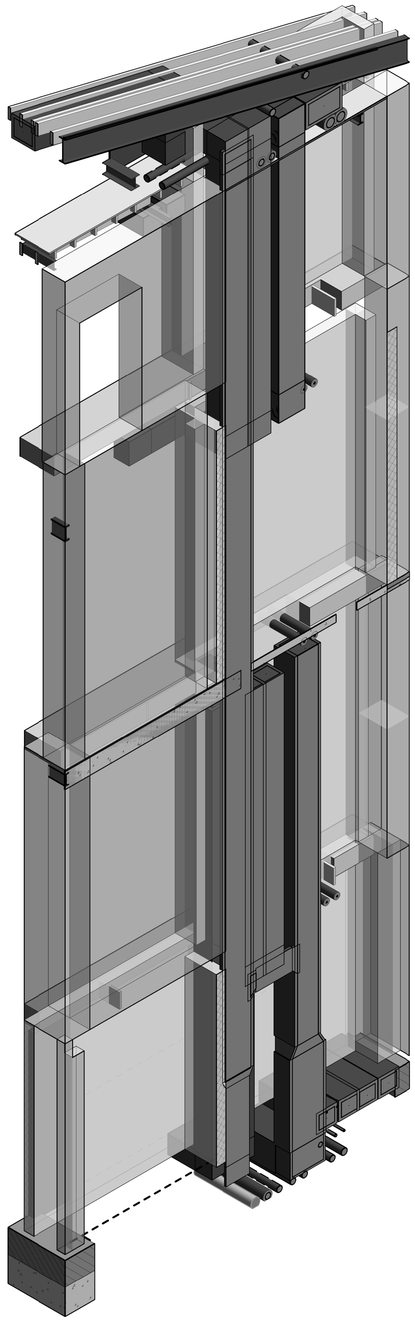
PKG. IDENTIFIER	2

PROPOSED NORTHEAST MECHANICAL PLANS & SECTION

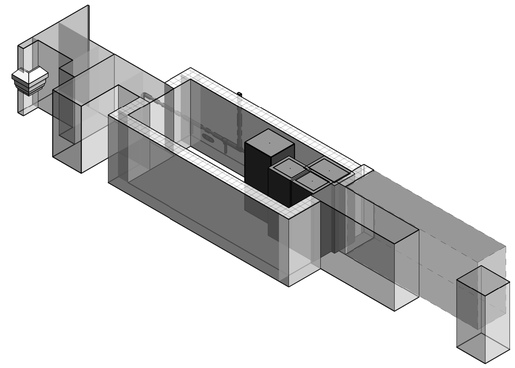
SCALE: As indicated

2MH302

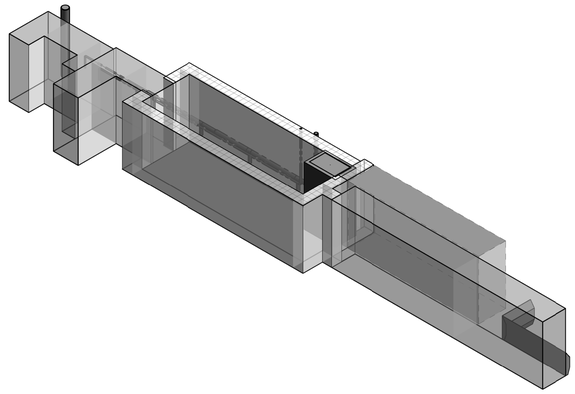
Schematic Design



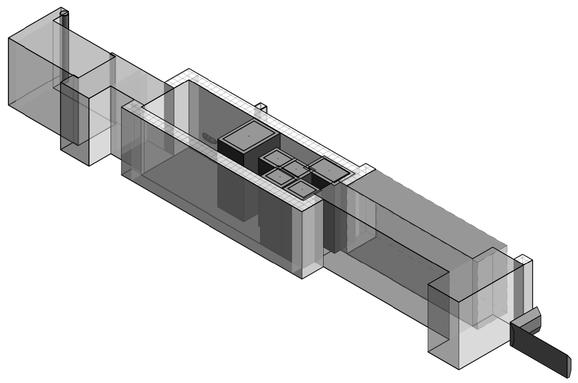
1 3D - NE MER SHAFT SECTION



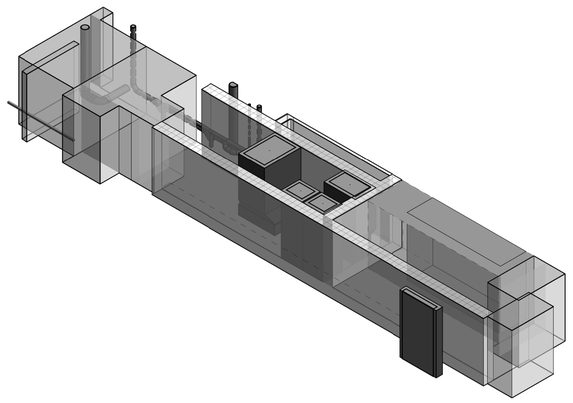
2 3D - NE 1 (THIRD FLOOR)



3 3D - NE 2 (SECOND FLOOR)



4 3D - NE 3 (FIRST FLOOR)



5 3D - NE 4 (GARDEN LEVEL)

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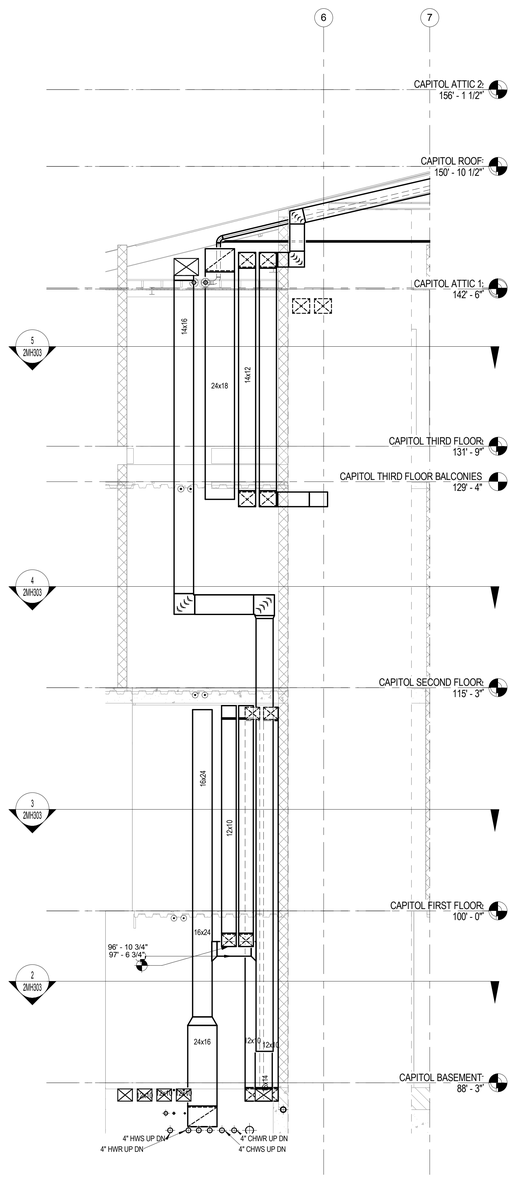
ORIGINAL ISSUE	- -
PKG. IDENTIFIER	2

PROPOSED NORTHEAST MECHANICAL SHAFT 3D VIEWS

SCALE

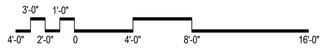
2MH302A

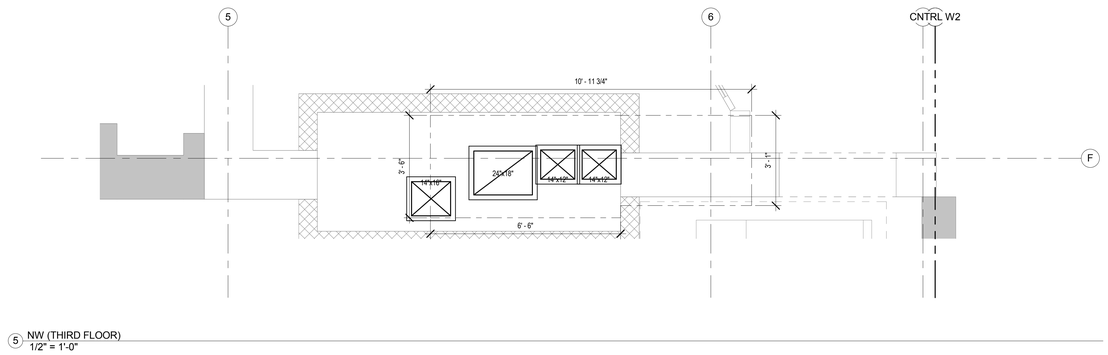
Schematic Design



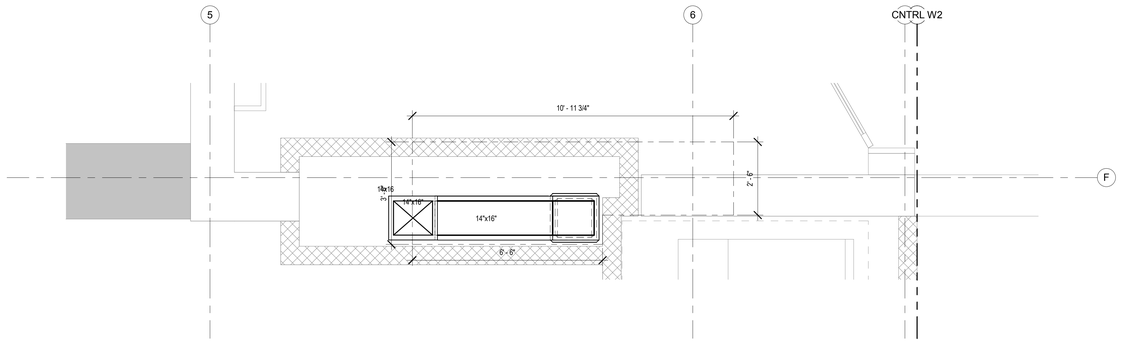
1 NW MER SHAFT SECTION
1/4" = 1'-0"

1. ALL DUCT SIZES SHOWN ARE NET SIZE, ADD 1.5" INSULATION TO ALL DUCTS.
* IF THE DUCT SIZE SHOWS 12"x10", THE ACTUAL SIZE IS 15"x13".

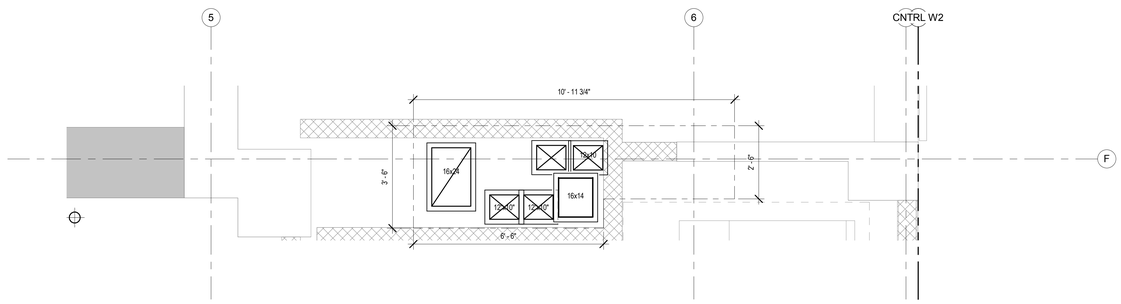




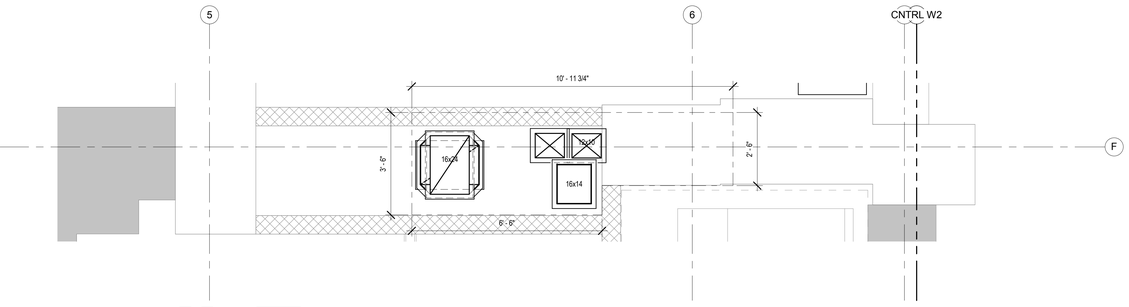
5 NW (THIRD FLOOR)
1/2" = 1'-0"



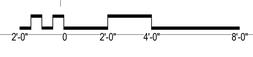
4 NW (SECOND FLOOR)
1/2" = 1'-0"



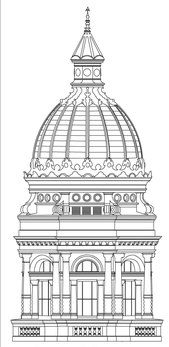
3 NW (FIRST FLOOR)
1/2" = 1'-0"



2 NW (GARDEN LEVEL)
1/2" = 1'-0"



State of Wyoming
Administration & Information
Construction Management



Capitol Square
Rehabilitation and Restoration

HDR PDP PAU ARCHITECTS

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PRELIMINARY
NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION
1	2014/12/19	SD OWNER REVIEW

PROJECT NUMBER	203619
ORIGINAL ISSUE	- - -
PKG. IDENTIFIER	2

PROPOSED NORTHWEST MECHANICAL PLANS & SECTION

SCALE: As indicated

2MH303

Schematic Design

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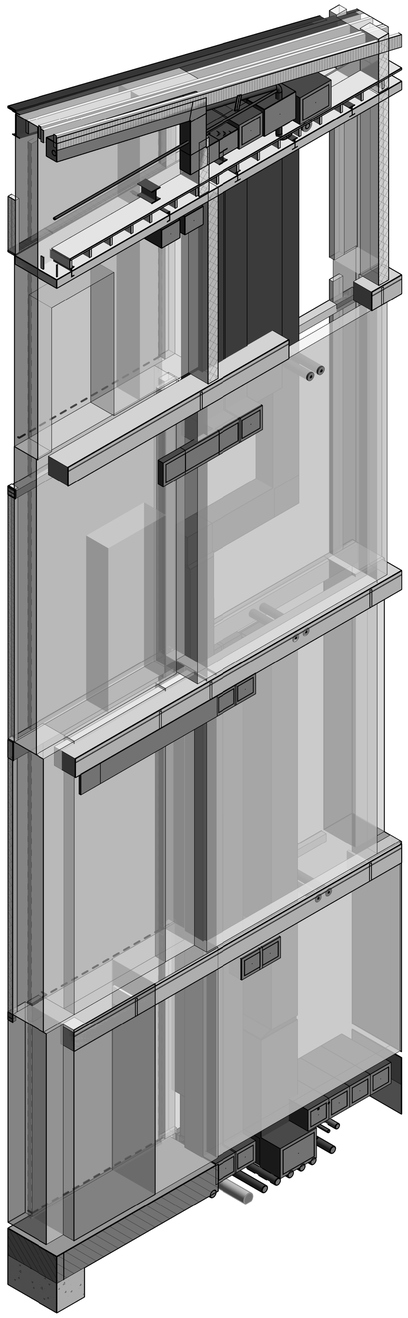
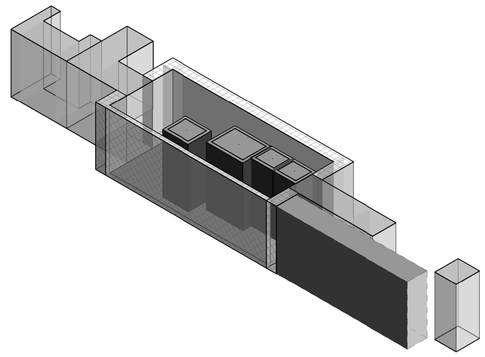
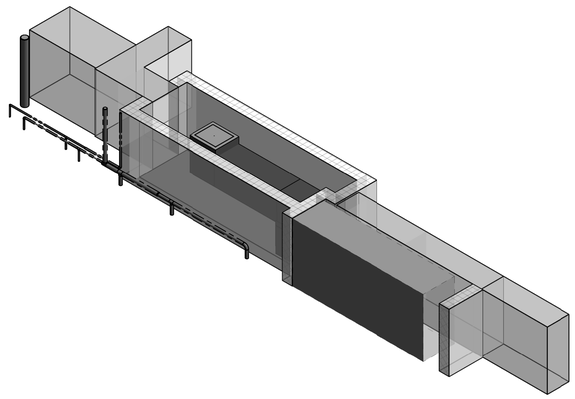


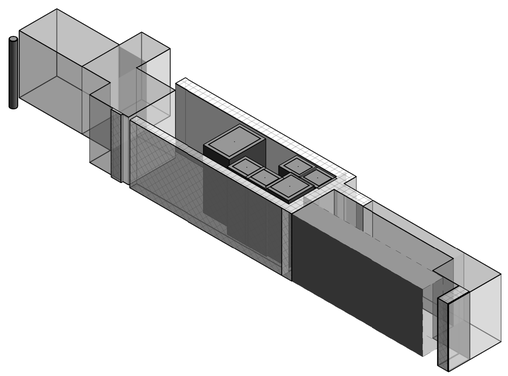
1 3D - NW MER SHAFT SECTION



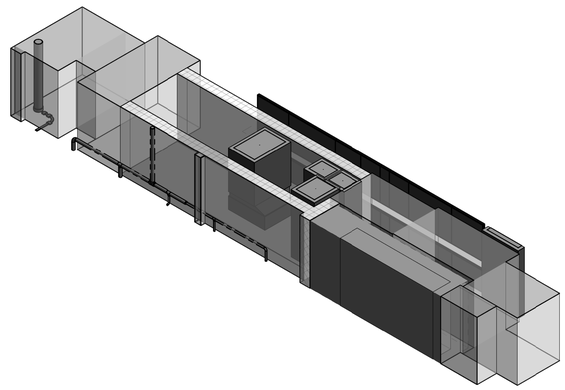
2 3D - NW (THIRD FLOOR)



3 3D - NW (SECOND FLOOR)



4 3D - NW (FIRST FLOOR)



5 3D - NW (GARDEN LEVEL)

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Capitol Square
Rehabilitation and Restoration

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PRELIMINARY
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MARK	DATE	DESCRIPTION
1	2014/12/19	SD OWNER REVIEW

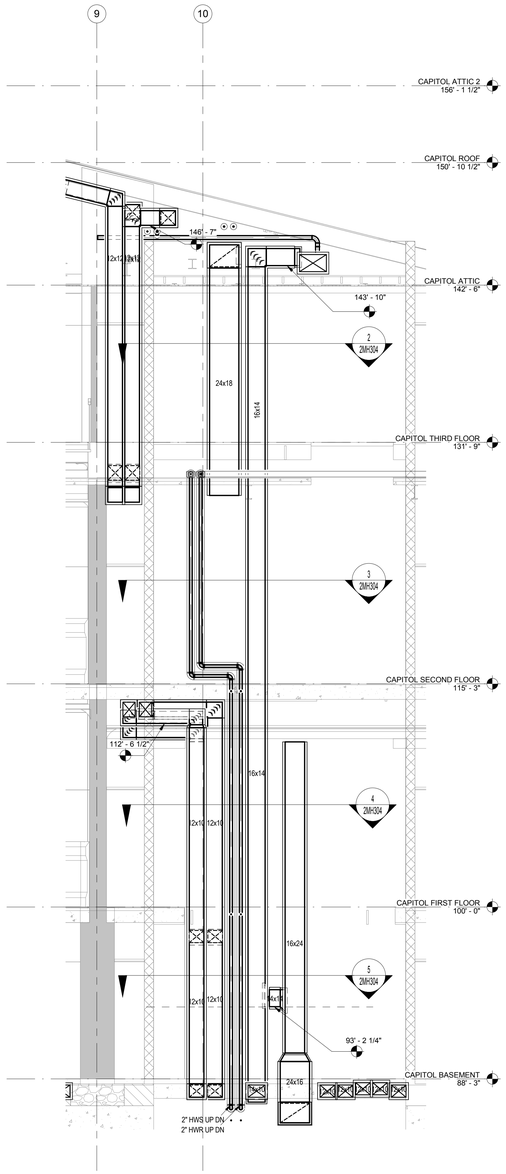
PROJECT NUMBER	203619
ORIGINAL ISSUE	- - -
PKG. IDENTIFIER	2

PROPOSED NORTHWEST MECHANICAL SHAFT 3D VIEWS

SCALE

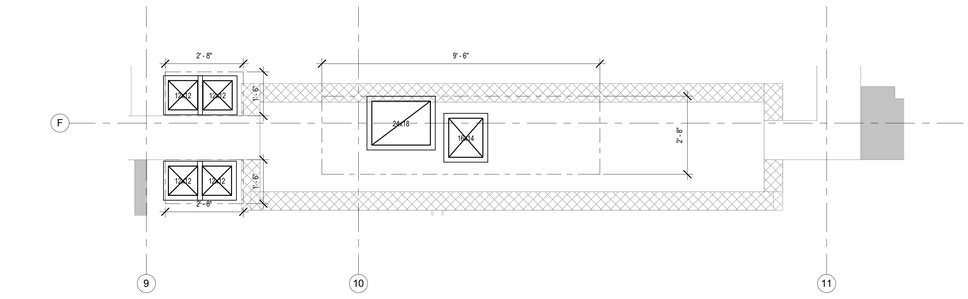
2MH303A

Schematic Design

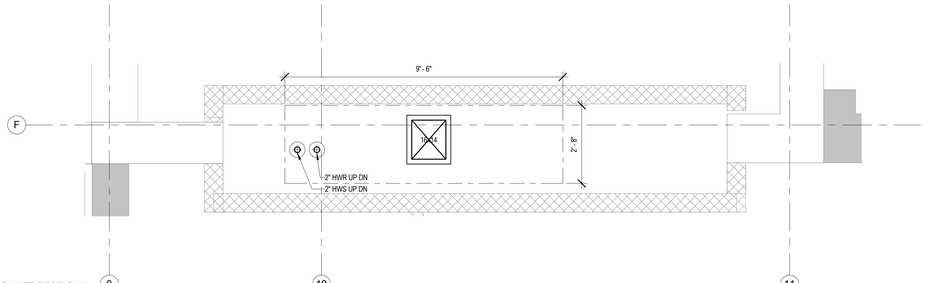


1 SW SHAFT SECTION
1/4" = 1'-0"

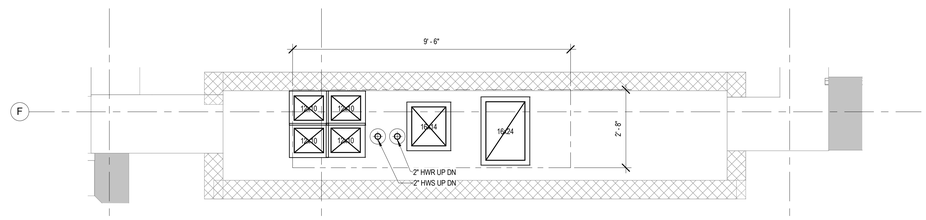
1. ALL DUCT SIZES SHOWN ARE NET SIZE, ADD 1.5" INSULATION TO ALL DUCTS.
* IF THE DUCT SIZE SHOWS 12"x10", THE ACTUAL SIZE IS 15"x13".



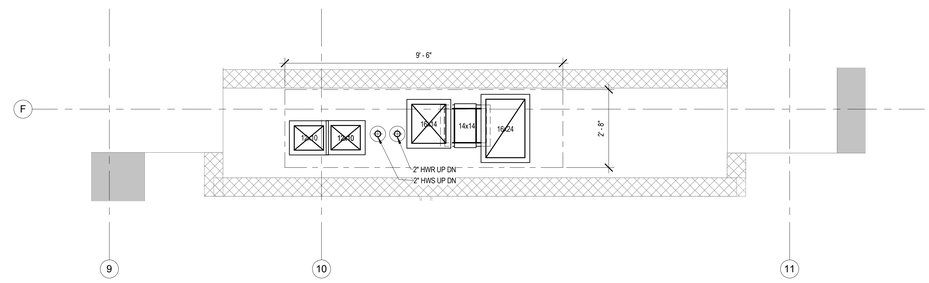
2 SW SHAFT SECTION 1
1/2" = 1'-0"



3 SW SHAFT SECTION 2
1/2" = 1'-0"



4 SW SHAFT SECTION 3
1/2" = 1'-0"



5 SW SHAFT SECTION 4
1/2" = 1'-0"

3'-0" 1'-0"
4'-0" 2'-0" 0 4'-0" 8'-0" 16'-0"

2'-0" 0 2'-0" 4'-0" 8'-0"

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1	2014/12/19	SD OWNER REVIEW

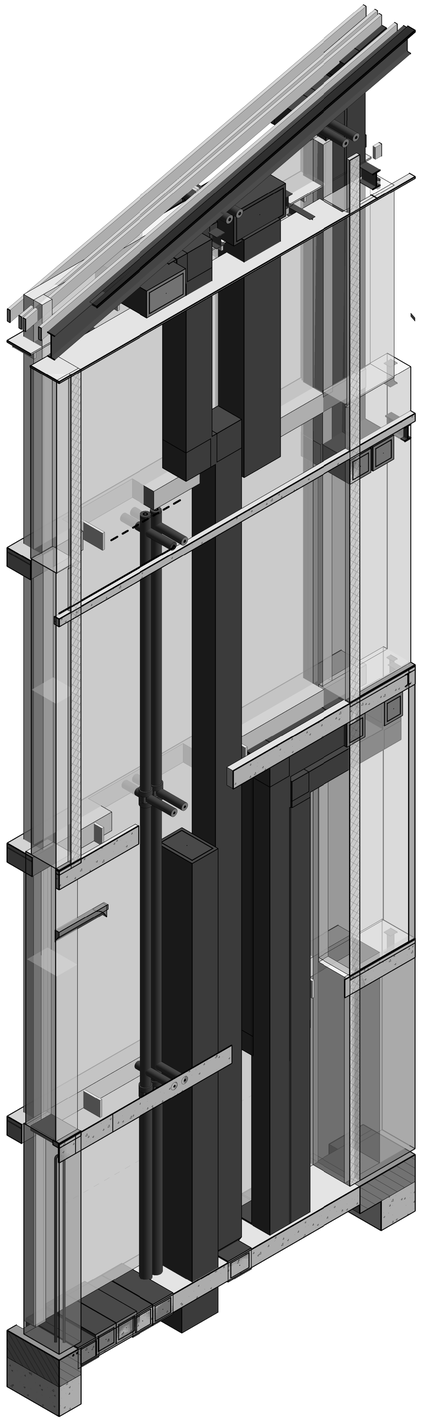
PROJECT NUMBER	203619
ORIGINAL ISSUE	- - -
PKG. IDENTIFIER	2

PROPOSED SOUTHWEST MECHANICAL PLANS & SECTION

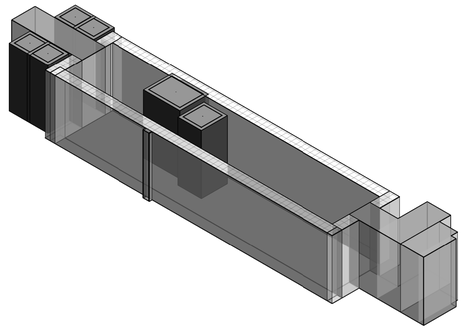
SCALE: As indicated

2MH304

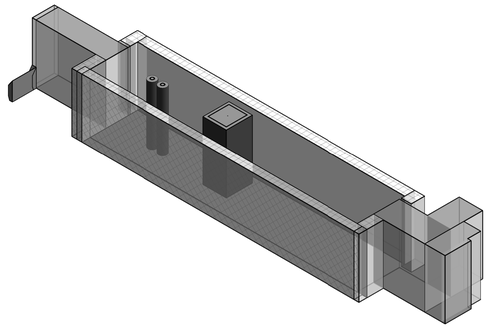
Schematic Design



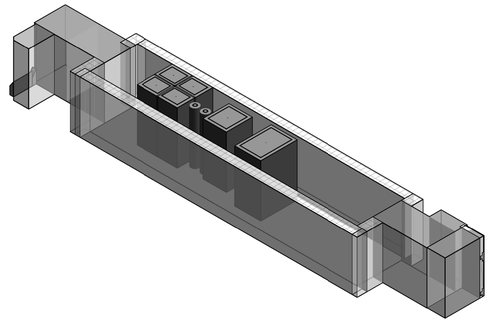
1 3D - SW SHAFT



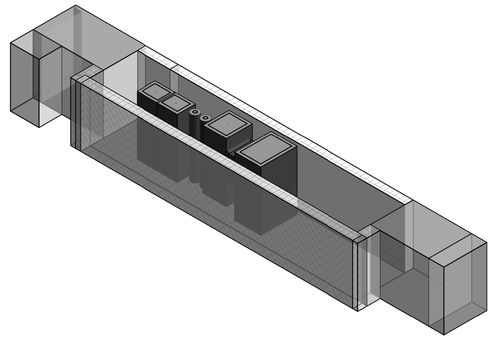
2 3D - SW SHAFT SECTION 1



3 3D - SW SHAFT SECTION 2



4 3D - SW SHAFT SECTION 3



5 3D - SW SHAFT SECTION 4

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MARK	DATE	DESCRIPTION
1	2014/12/19	SD OWNER REVIEW

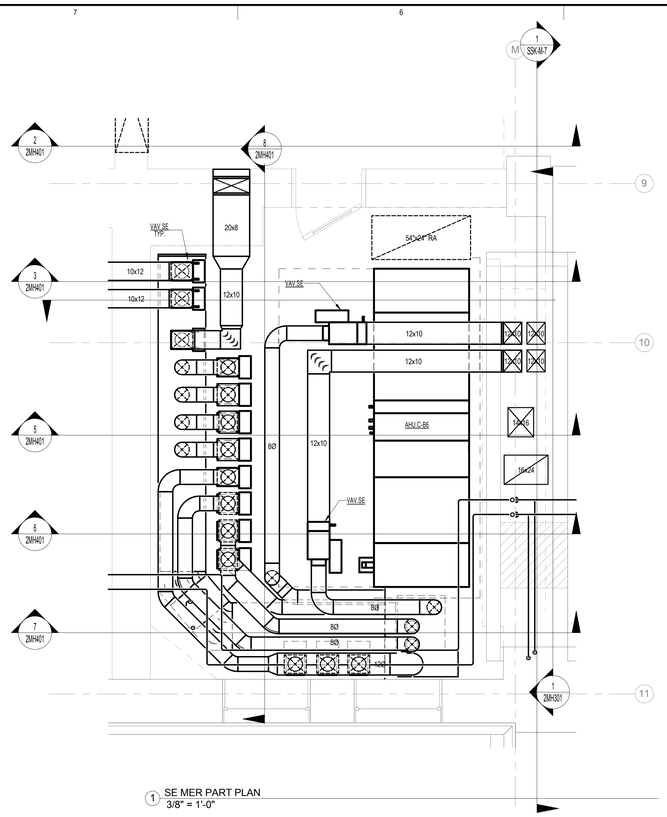
PROJECT NUMBER	203619
ORIGINAL ISSUE	---
PKG. IDENTIFIER	2

PROPOSED SOUTHWEST MECHANICAL SHAFT 3D VIEWS

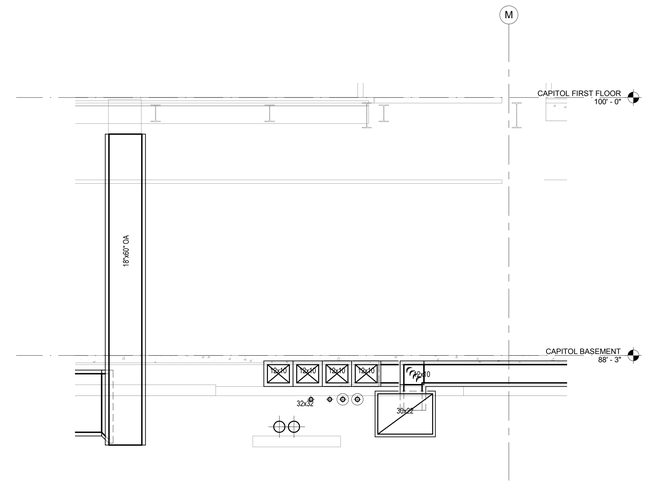
SCALE

2MH304A

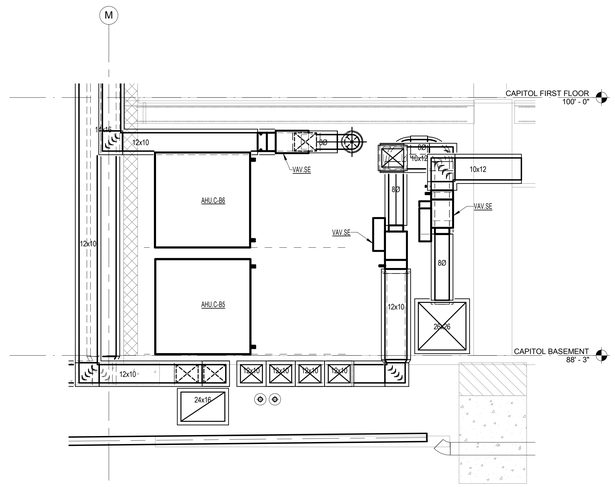
Schematic Design



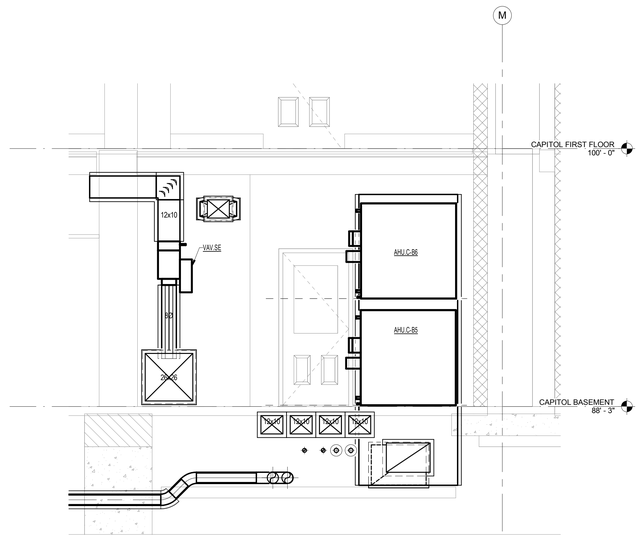
1 SE MER PART PLAN
3/8" = 1'-0"



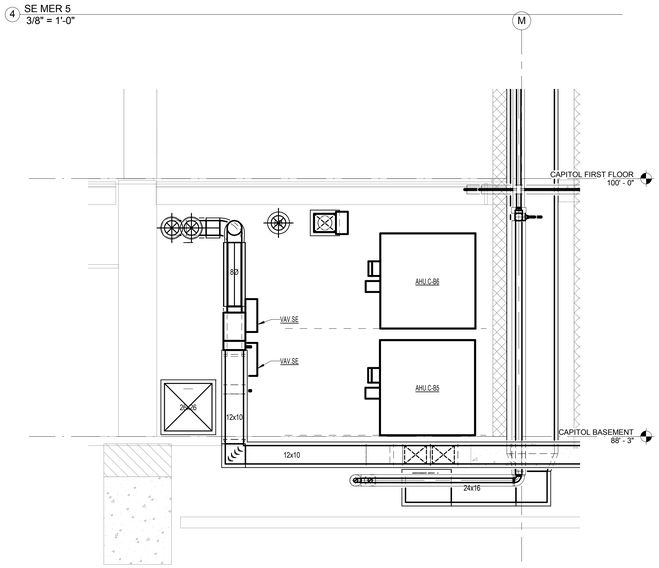
2 SE MER 6
3/8" = 1'-0"



4 SE MER 5
3/8" = 1'-0"



3 SE MER 4
3/8" = 1'-0"



6 SE MER 8
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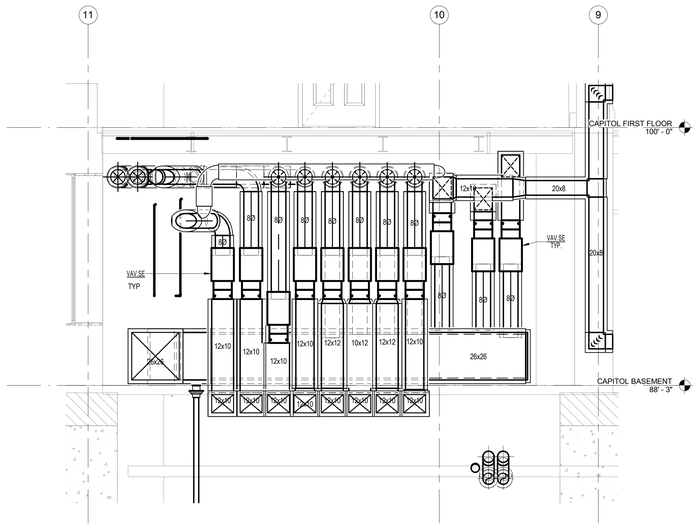
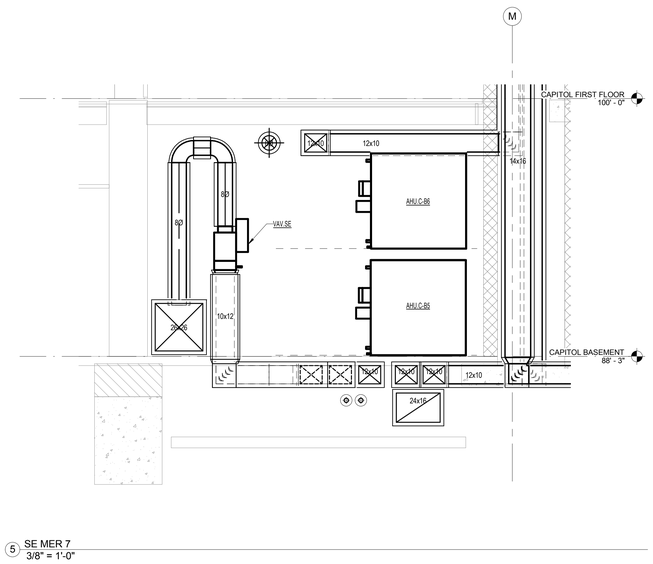
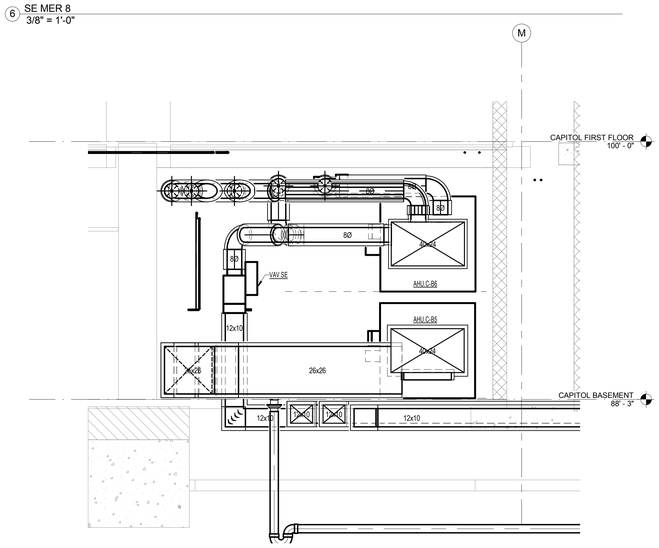


8 SE MER 3
3/8" = 1'-0"



5 SE MER 7
3/8" = 1'-0"



7 SE MER 9
3/8" = 1'-0"

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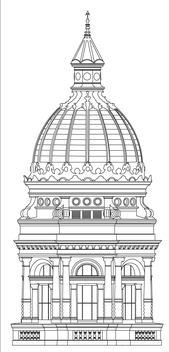

Capitol Square
Rehabilitation and Restoration

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MARK	DATE	DESCRIPTION
1	2014/12/19	SD OWNER REVIEW

PROJECT NUMBER	203619
ORIGINAL ISSUE	- - -
PKG. IDENTIFIER	2

PROPOSED MER-1 (SOUTHEAST) PLAN AND SECTIONS

SCALE 3/8" = 1'-0"

2MH401

Schematic Design

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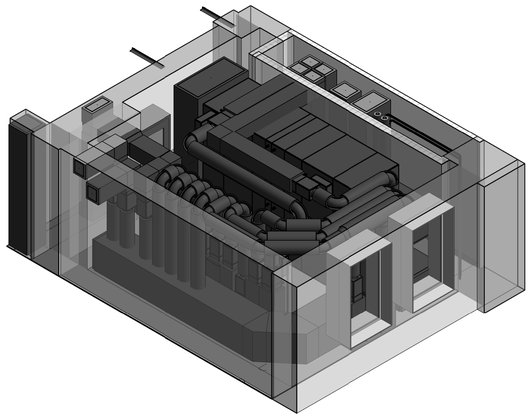
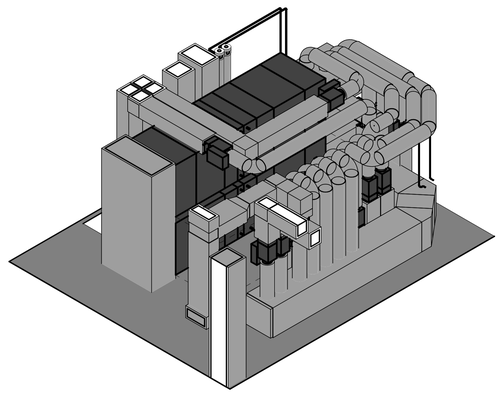
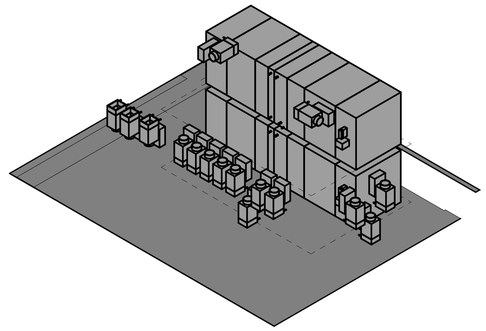


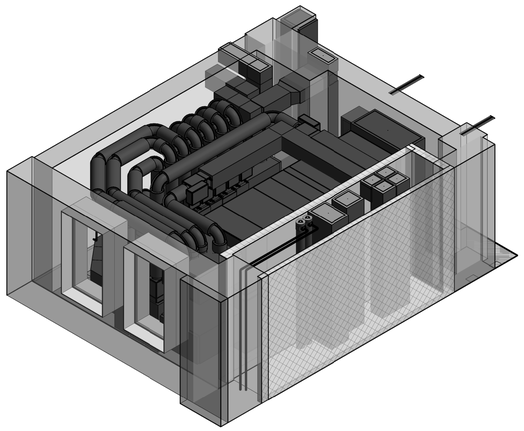
1 3D - MER-SE - ARCHITECTURAL / EQUIPMENT / DUCTS & PIPES 1



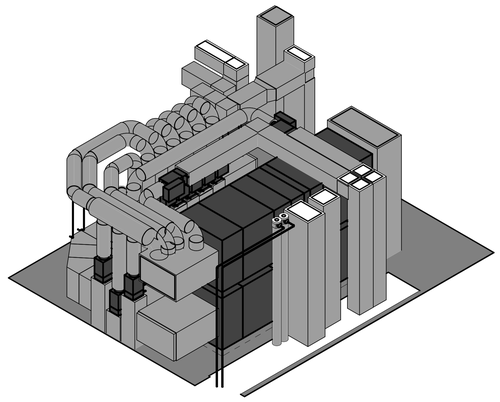
2 3D - MER-SE - EQUIPMENT / DUCTS & PIPES 1



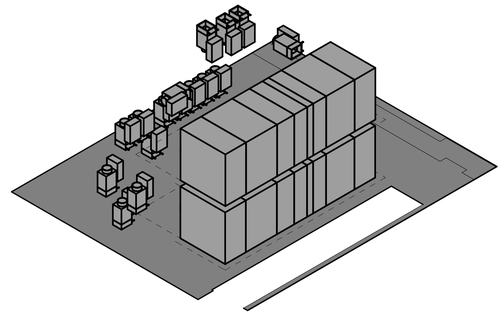
3 3D - MER-SE - EQUIPMENT 1



4 3D - MER-SE - ARCHITECTURAL / EQUIPMENT / DUCTS & PIPES 2



6 3D - MER-SE - EQUIPMENT / DUCTS & PIPES 2



5 3D - MER-SE - EQUIPMENT 2

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1	2014/12/19	SD OWNER REVIEW

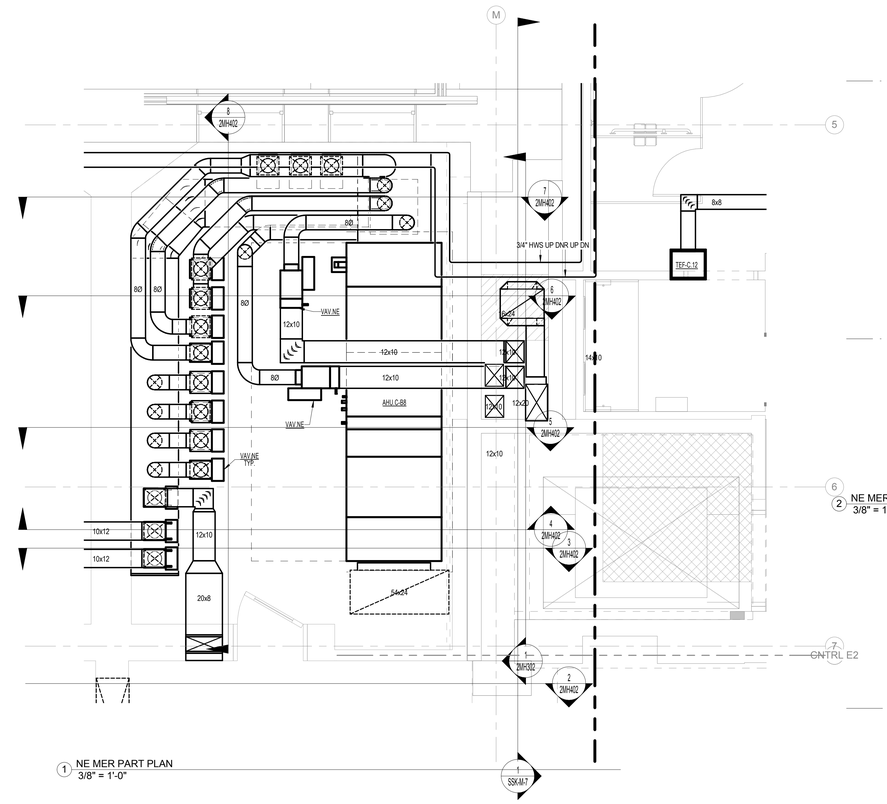
PROJECT NUMBER	203619
ORIGINAL ISSUE	- -
PKG. IDENTIFIER	2

PROPOSED MER-1 (SOUTHEAST) 3D VIEWS

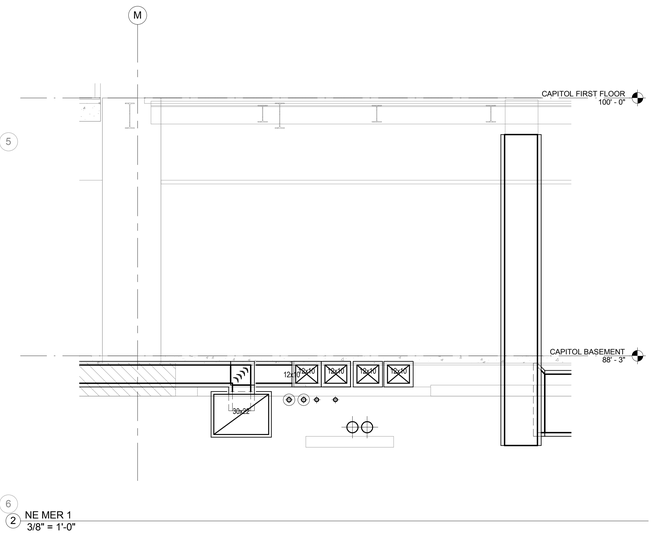
SCALE

2MH401A

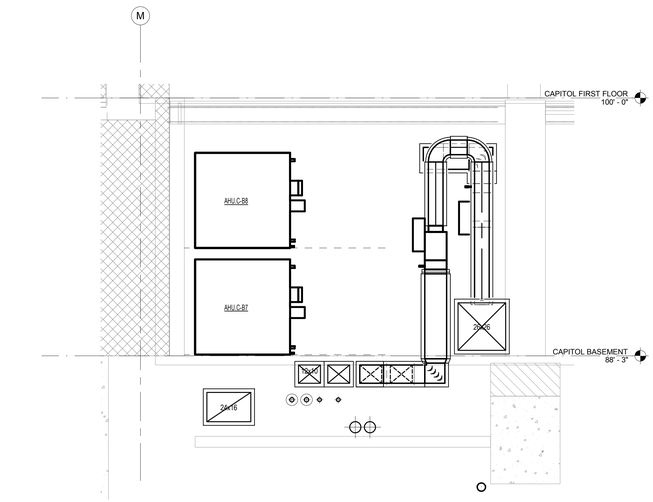
Schematic Design



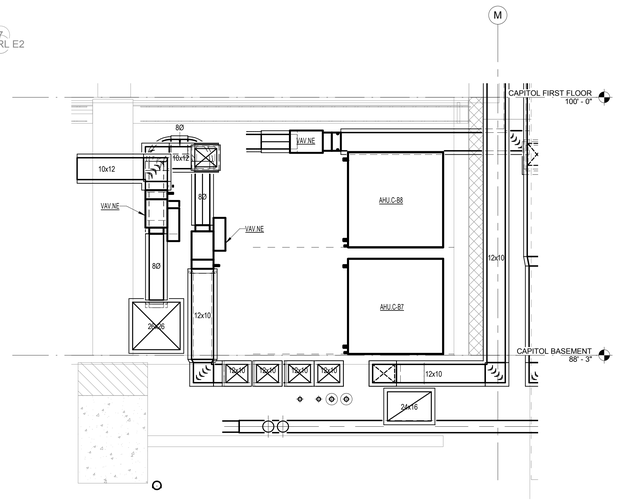
1 NE MER PART PLAN
3/8" = 1'-0"



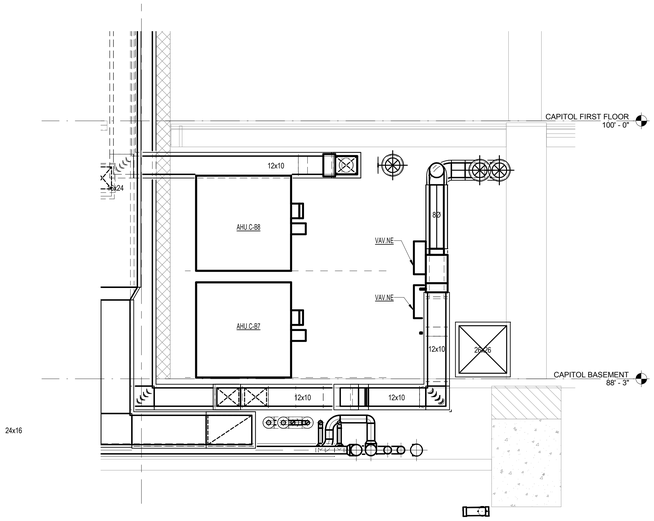
2 NE MER 1
3/8" = 1'-0"



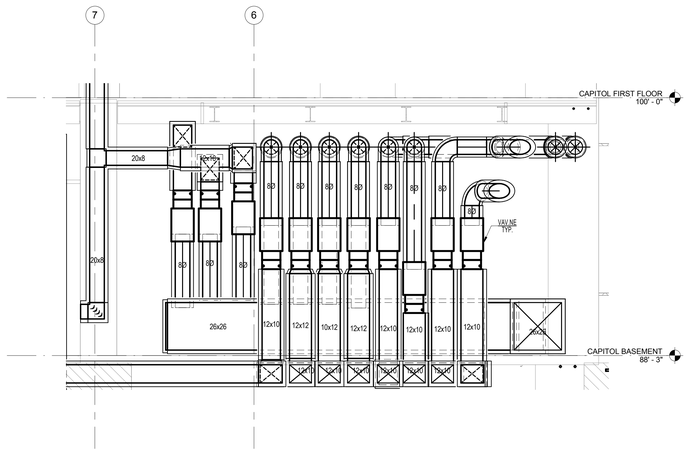
5 NE MER 2
3/8" = 1'-0"



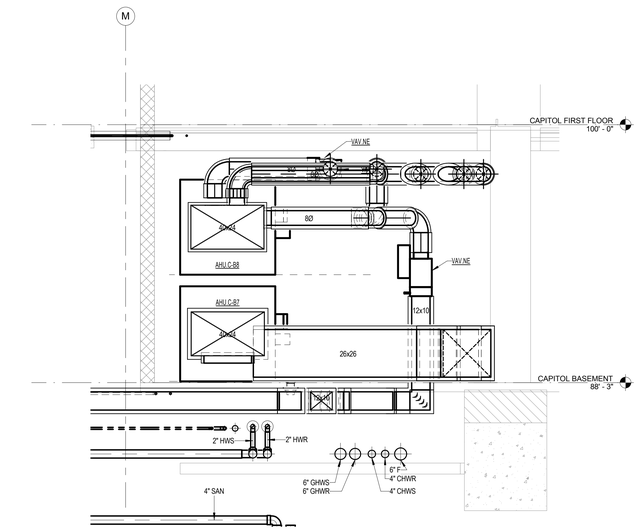
4 NE MER 5
3/8" = 1'-0"



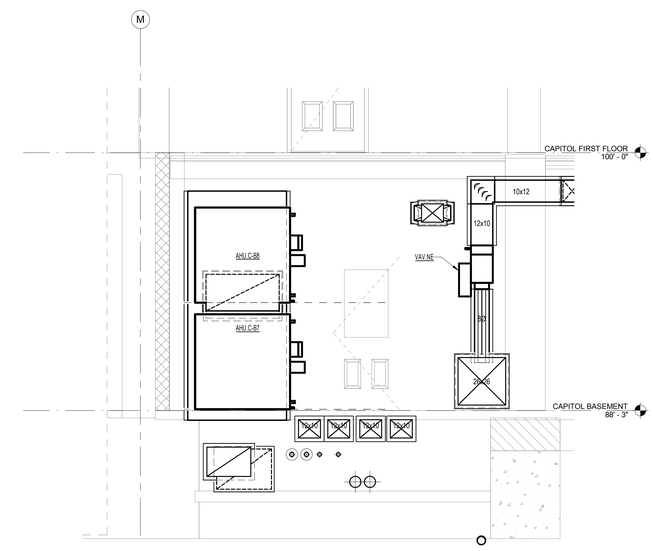
6 NE MER 3
3/8" = 1'-0"



8 Section 105
3/8" = 1'-0"



7 NE MER 4
3/8" = 1'-0"



3 NE MER 6
3/8" = 1'-0"

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1	2014/12/19	SD OWNER REVIEW

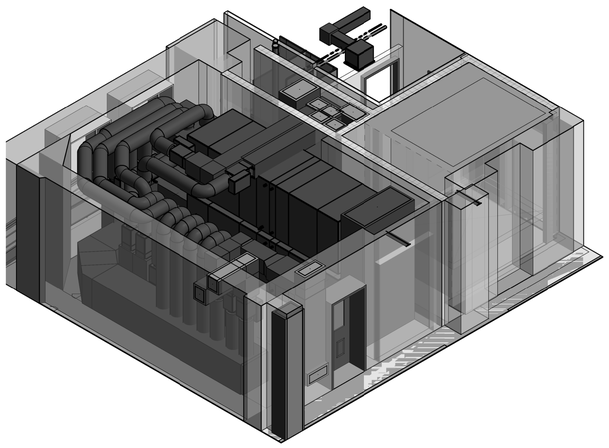
PROJECT NUMBER	203619
ORIGINAL ISSUE	- -
PKG. IDENTIFIER	2

PROPOSED MER-2 (NORTHEAST) PLAN AND SECTIONS

SCALE: 3/8" = 1'-0"

2MH402

Schematic Design



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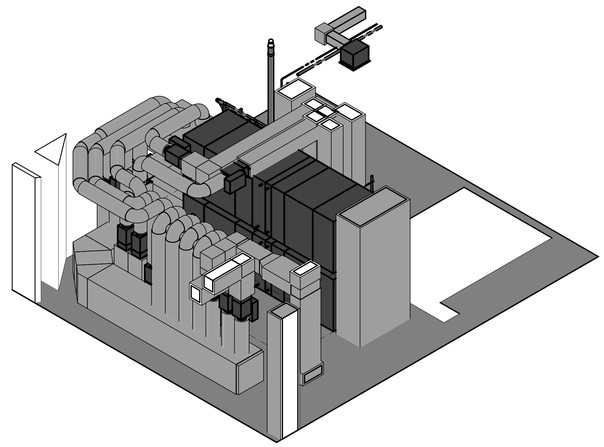

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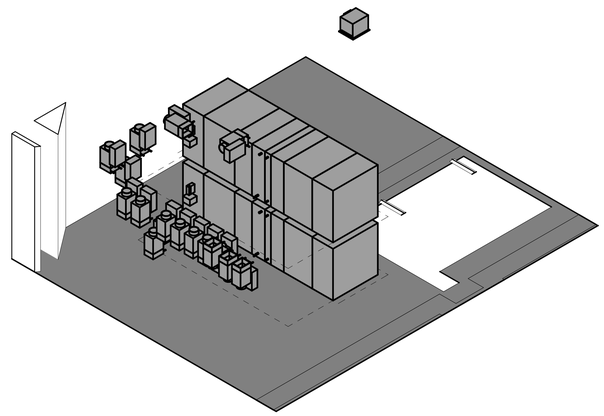

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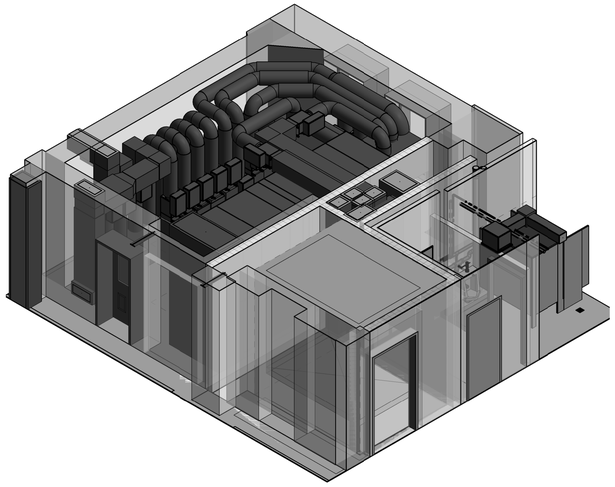

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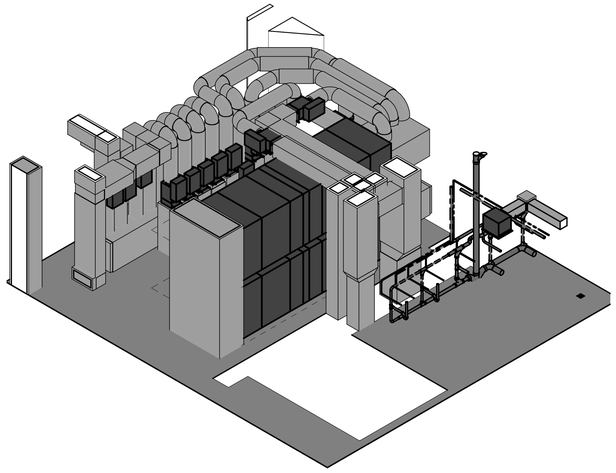

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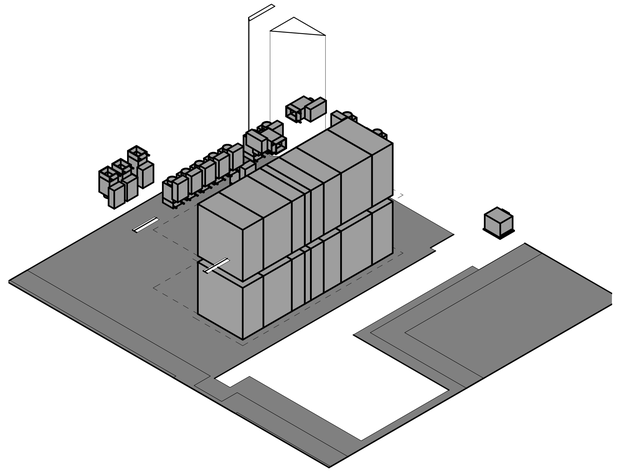

4 3D - MER-NE - EQUIPMENT 2

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MARK	DATE	DESCRIPTION
1	2014/12/19	SD OWNER REVIEW

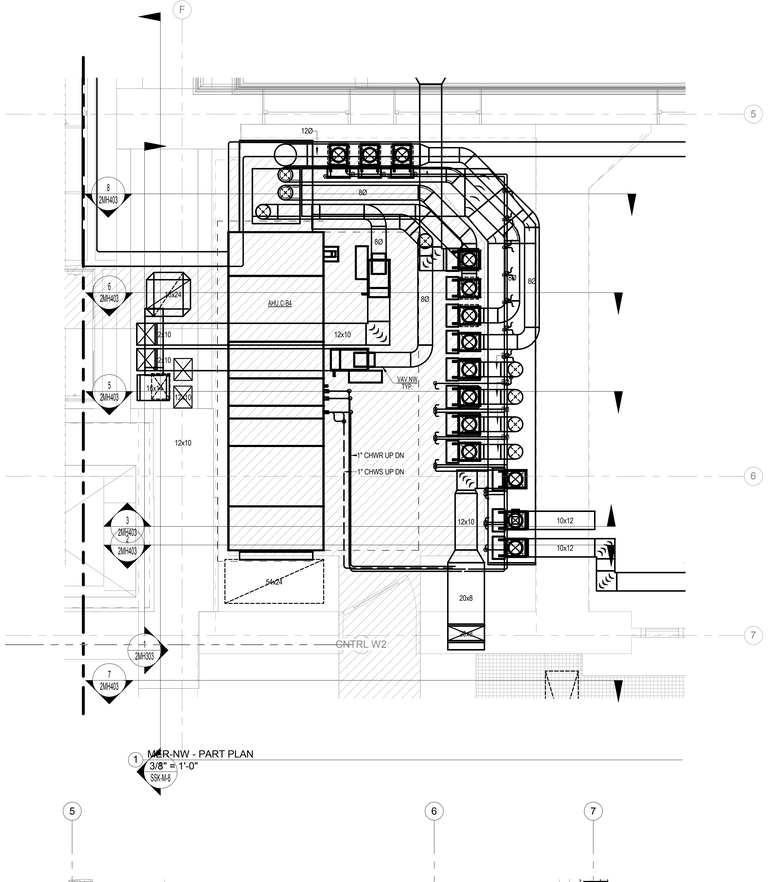
PROJECT NUMBER 203619
ORIGINAL ISSUE - - -
PKG. IDENTIFIER 2

PROPOSED MER-1 (NORTHEAST) 3D VIEWS

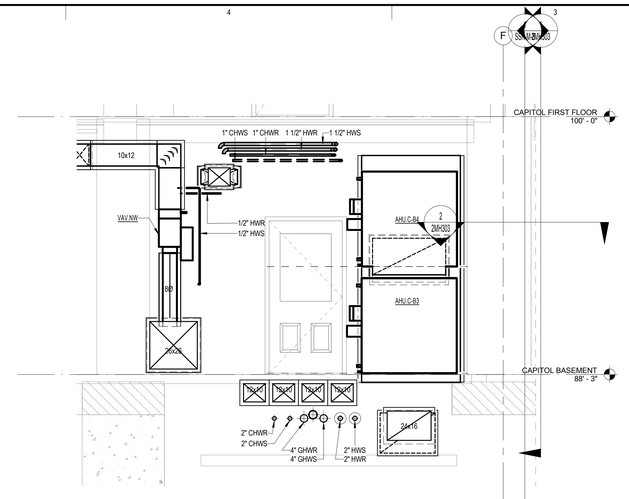
SCALE

2MH402A

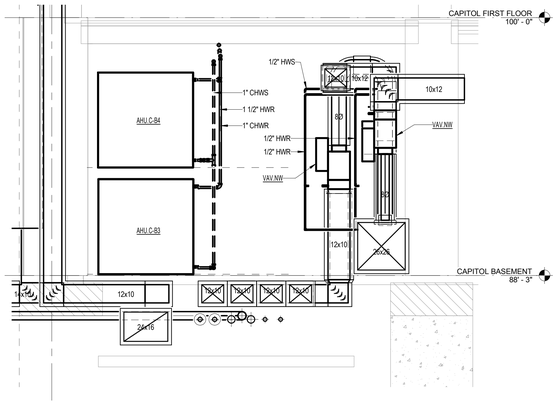
Schematic Design



1 MER-NW - PART PLAN
3/8" = 1'-0"
SSK-M-8



2 MER-NW SECTION 1
3/8" = 1'-0"



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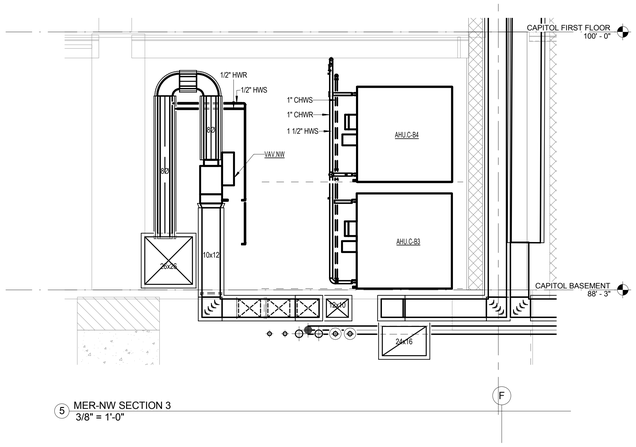
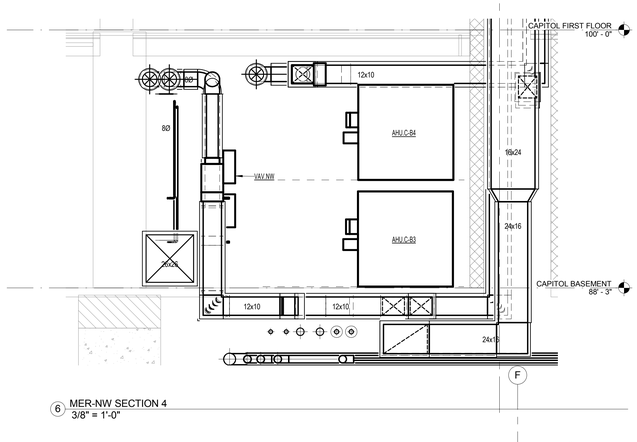
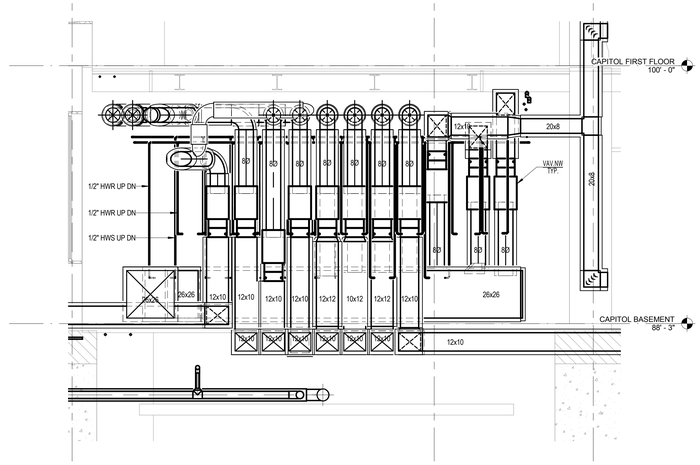


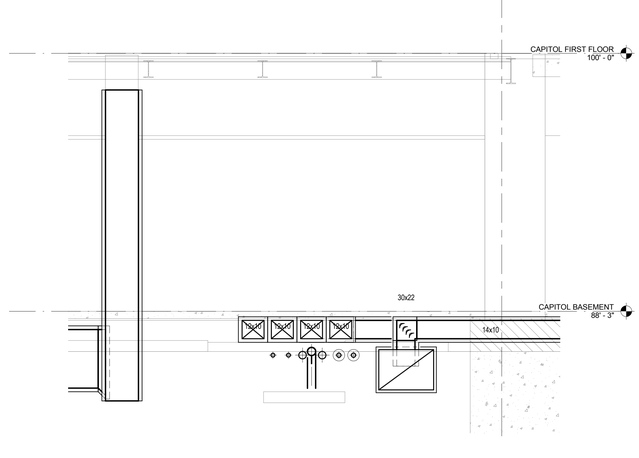
5 MER-NW SECTION 3
3/8" = 1'-0"



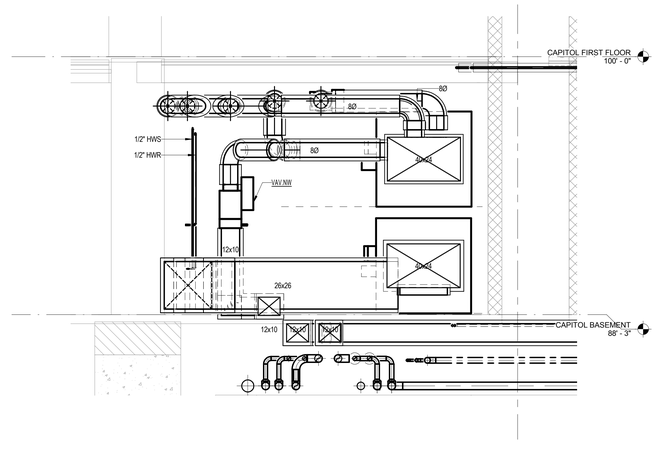
6 MER-NW SECTION 4
3/8" = 1'-0"



4 MER-NW SECTION 5
3/8" = 1'-0"



7 MER-NW SECTION 6
3/8" = 1'-0"



8 MER-NW SECTION 7
3/8" = 1'-0"

1. ALL DUCT SIZES SHOWN ARE NET SIZE, ADD 1.5" INSULATION TO ALL DUCTS.
* IF THE DUCT SIZE SHOWS 12"x10", THE ACTUAL SIZE IS 15"x13".

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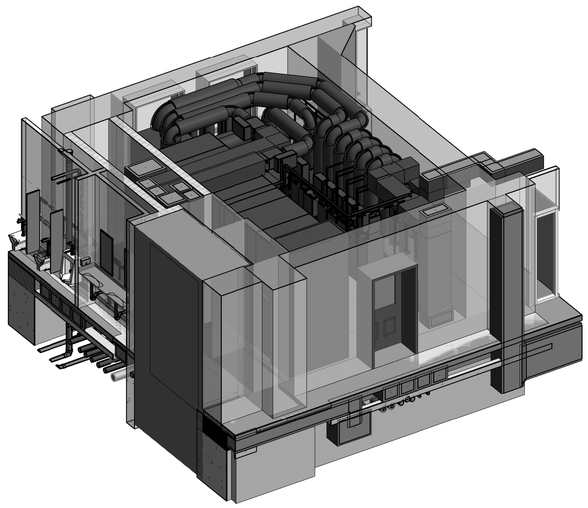
PKG. IDENTIFIER	2

PROPOSED MER-3 (NORTHWEST) PLAN AND SECTIONS

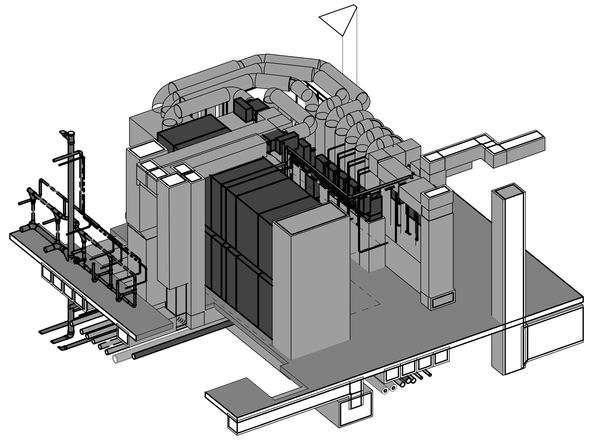
SCALE 3/8" = 1'-0"

2MH403

Schematic Design



1 3D - MER-NW - ARCHITECTURAL / EQUIPMENT / DUCTS & PIPES 1



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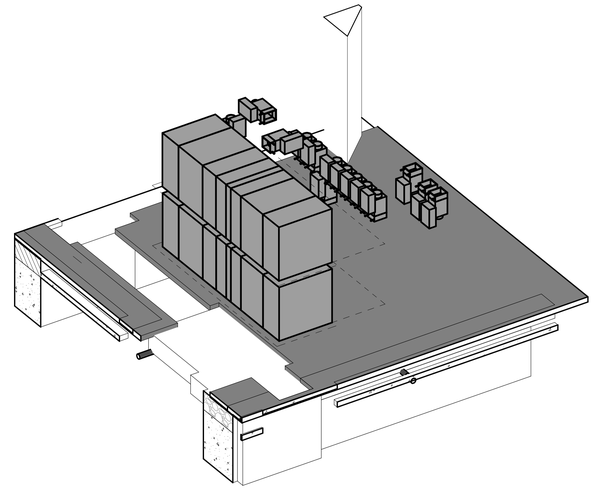

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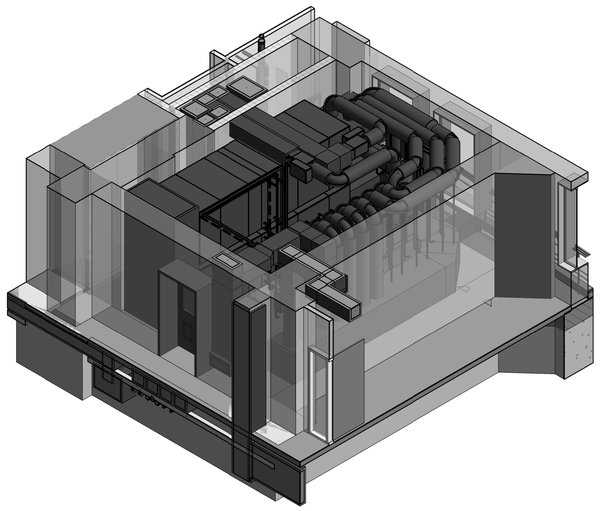

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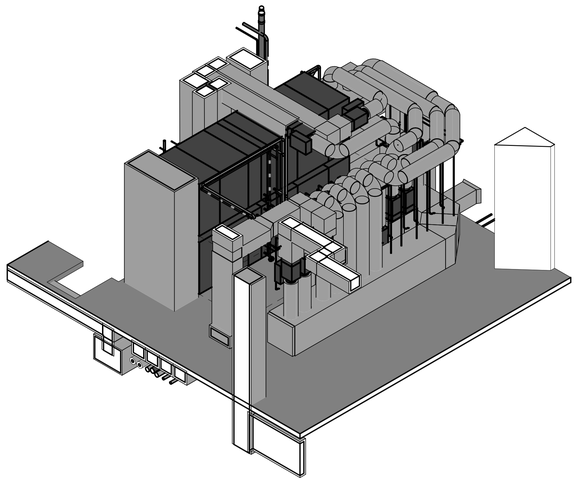

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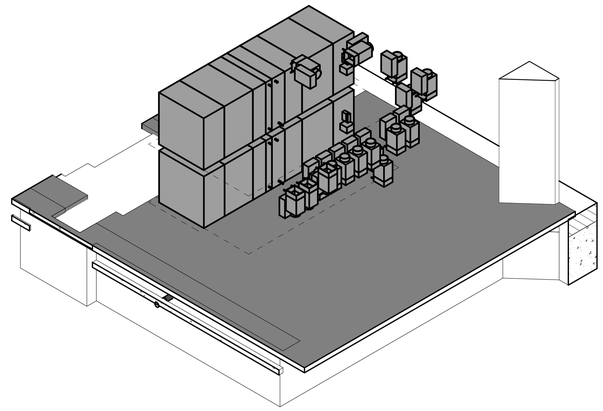

6 3D - MER-NW - EQUIPMENT 2

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1	2014/12/19	SD OWNER REVIEW

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PKG. IDENTIFIER	2

PROPOSED MER-1 (NORTHWEST) 3D VIEWS

SCALE

2MH403A

Schematic Design

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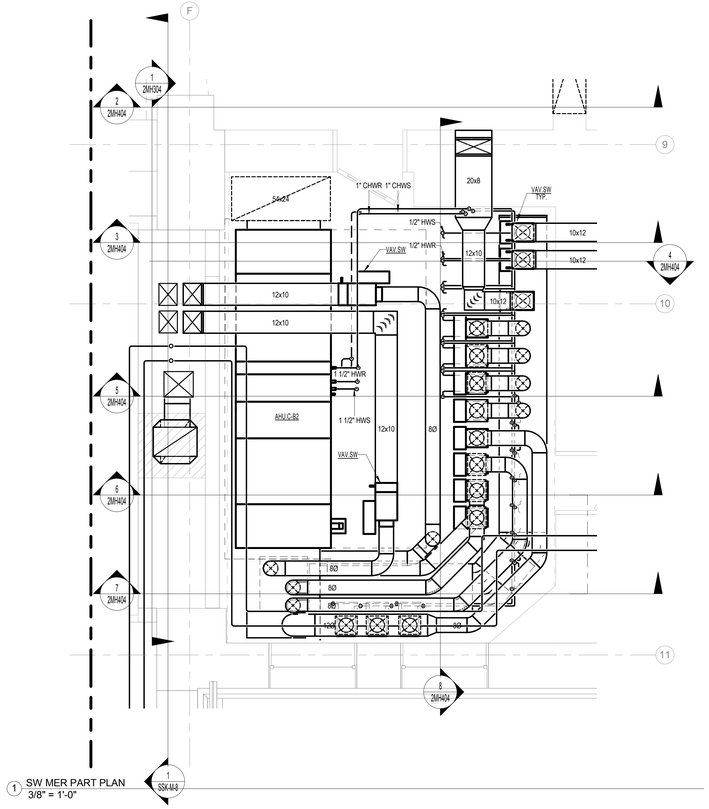
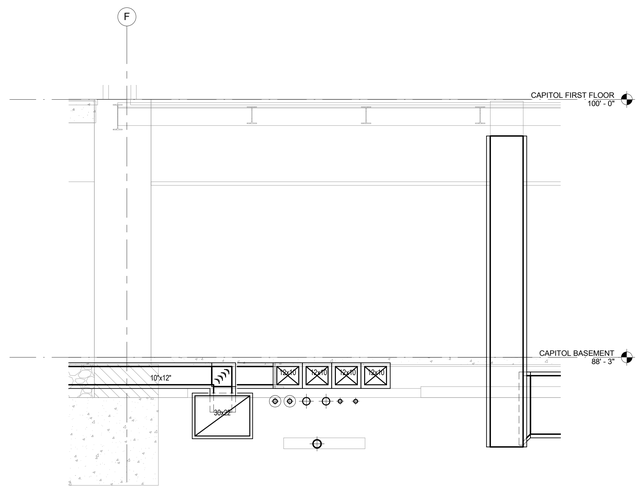


1 SW MER PART PLAN
3/8" = 1'-0"



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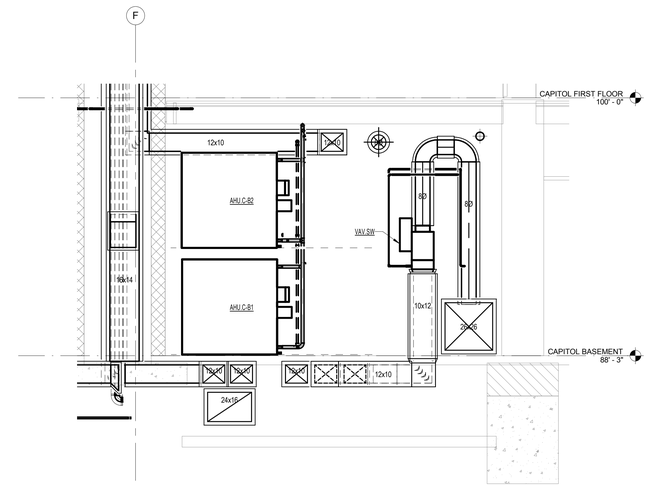

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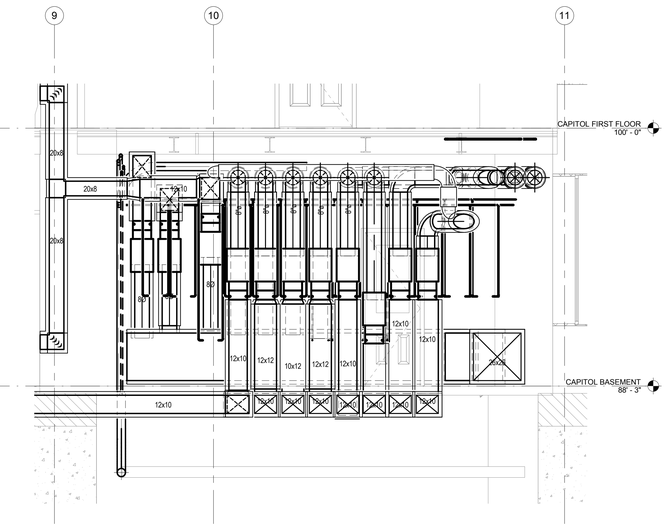
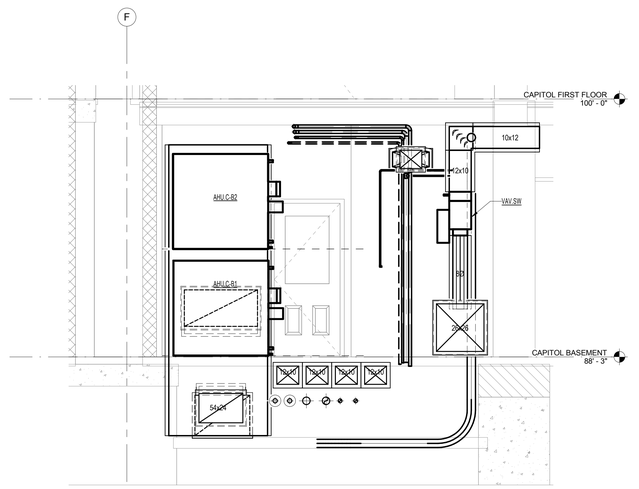
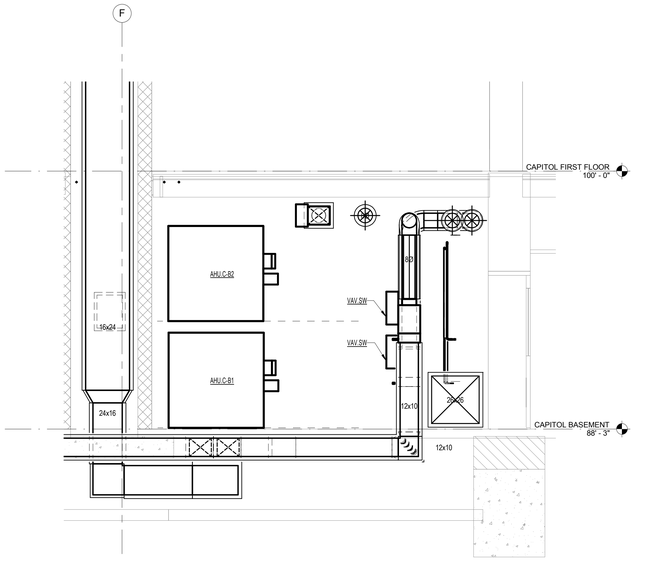
3/8" = 1'-0"



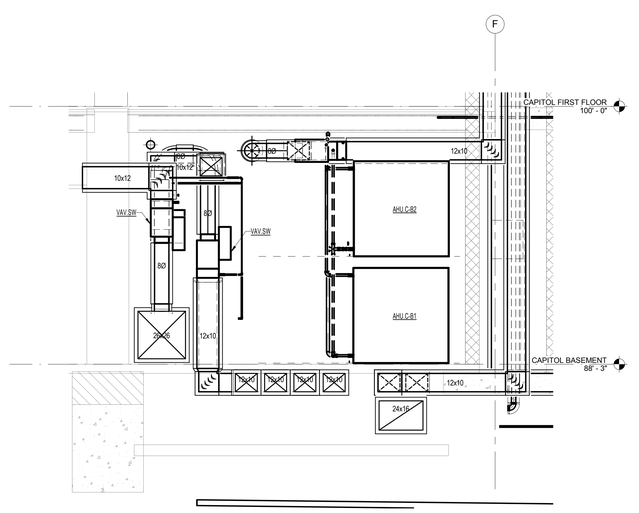
8 SW MER 7
3/8" = 1'-0"



3 SW MER 2
3/8" = 1'-0"



6 SW MER 5
3/8" = 1'-0"



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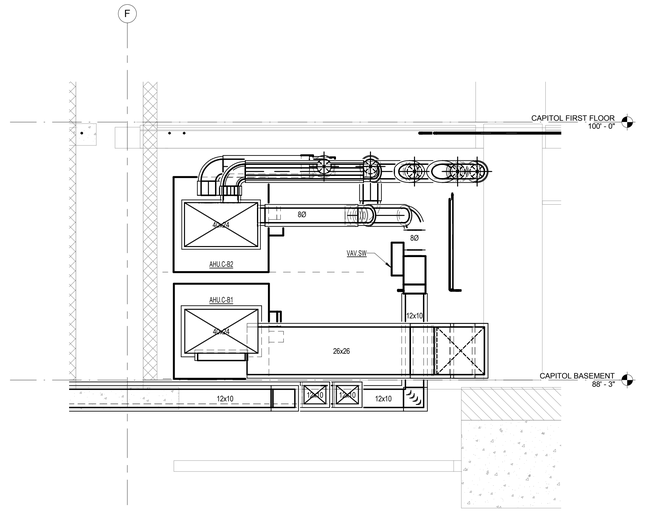

7 SW MER 6
3/8" = 1'-0"

1. ALL DUCT SIZES SHOWN ARE NET SIZE, ADD 1.5" INSULATION TO ALL DUCTS.
* IF THE DUCT SIZE SHOWS 12"x10", THE ACTUAL SIZE IS 15"x13".

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1	2014/12/19	SD OWNER REVIEW
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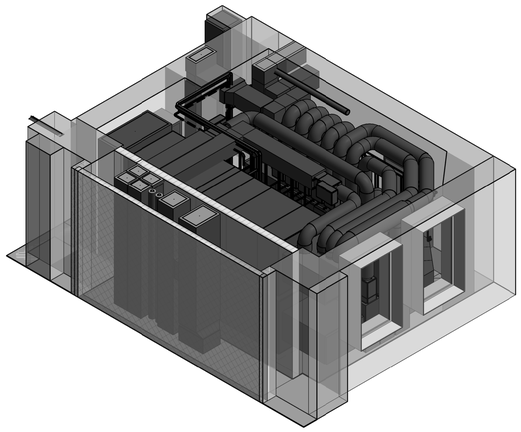
PKG. IDENTIFIER	2	

PROPOSED MER-4 (SOUTHWEST) PLAN AND SECTIONS

SCALE 3/8" = 1'-0"

2MH404

Schematic Design



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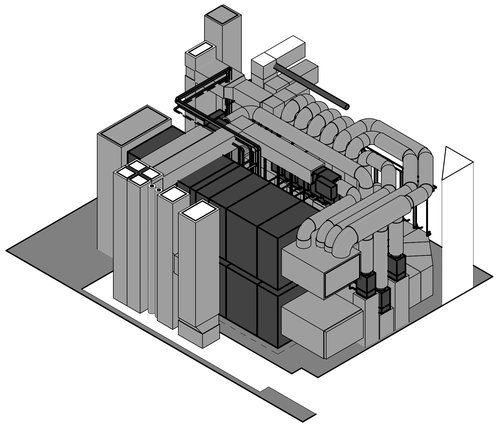
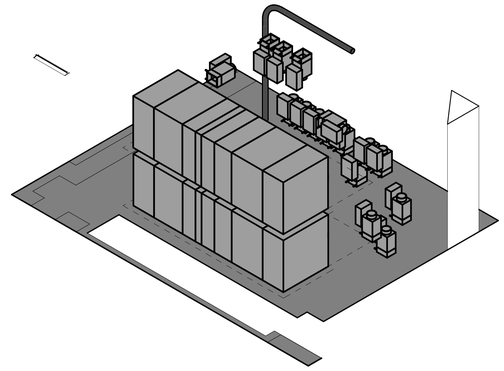
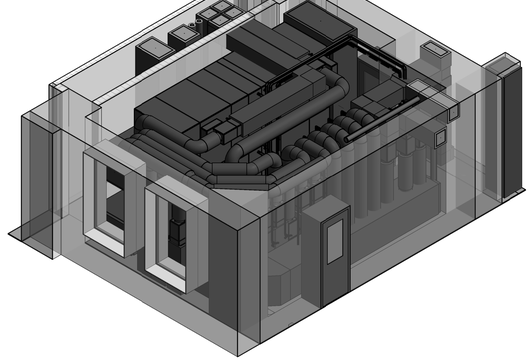


2 3D - MER-SW - EQUIPMENT / DUCTS & PIPES 1



3 3D - MER-SW - EQUIPMENT 1



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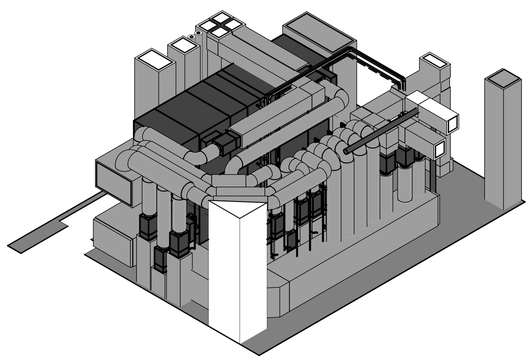
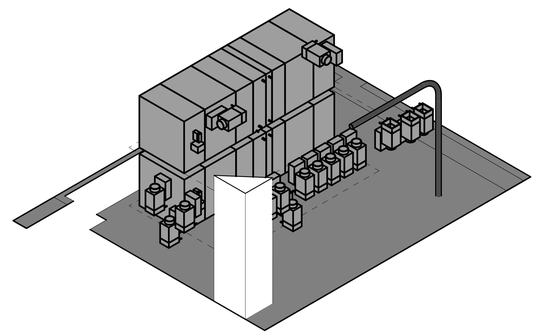


6 3D - MER-SW - EQUIPMENT / DUCTS & PIPES 2



5 3D - MER-SW - EQUIPMENT 2

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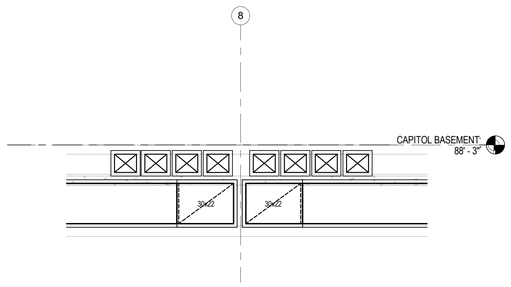
PKG. IDENTIFIER 2

PROPOSED MER-1 (SOUTHWEST) 3D VIEWS

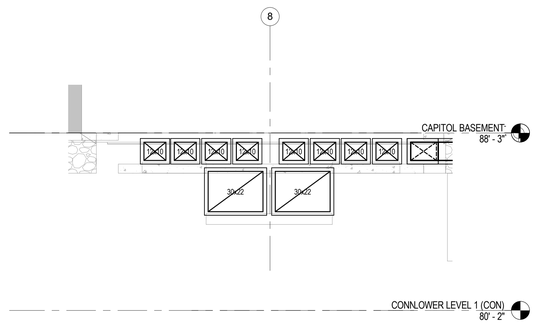
SCALE

2MH404A

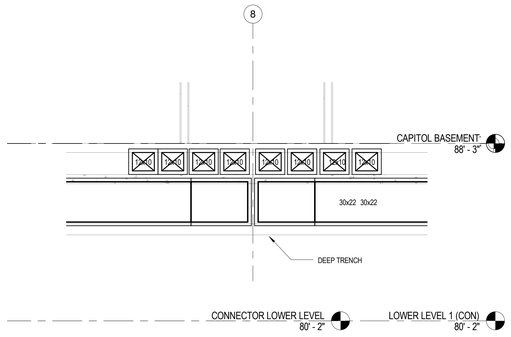
Schematic Design



2 HOUSE SIDE CORRIDOR 1
3/8" = 1'-0"



1 HOUSE SIDE CORRIDOR
3/8" = 1'-0"



4 SENATE SIDE CORRIDOR 1
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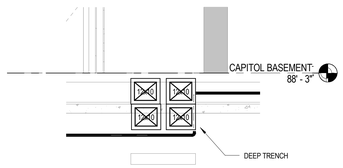
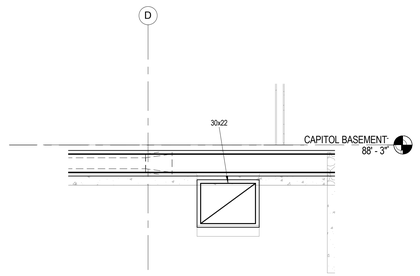


5 PROPOSED TRENCH
3/8" = 1'-0"



6 TRENCH 2
3/8" = 1'-0"

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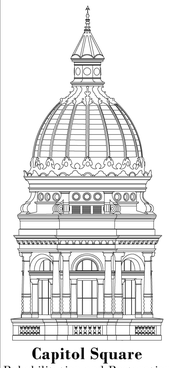

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PKG. IDENTIFIER	2

PROPOSED MECHANICAL SECTIONS

SCALE: 3/8" = 1'-0"

2MH411

Schematic Design

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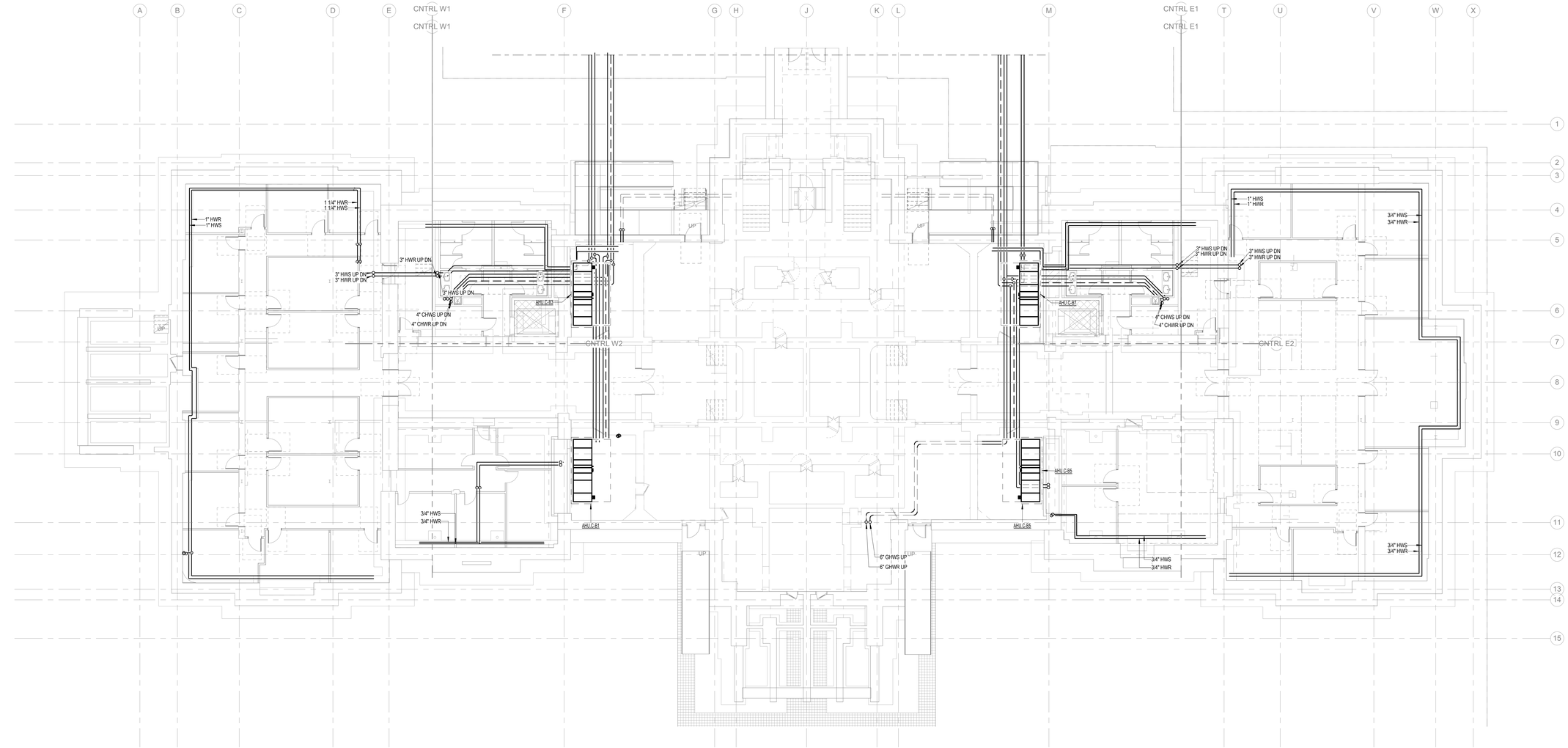


1 GARDEN LEVEL MECHANICAL PIPING PLAN - BELOW FLOOR
1" = 10'-0"

7'-6" 2'-6"
10'-0" 5'-0" 0 10'-0" 20'-0" 40'-0"

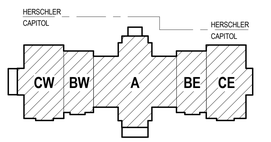
GENERAL NOTES

1. REFER TO LARGER SCALE PART PLANS FOR ADDITIONAL INFORMATION.
2. REFER TO PIPING RISER DIAGRAM FOR PIPE SIZES AND CONCEPT.

CONSTRUCTION NOTES

GRAPHIC LEGEND

KEY PLAN



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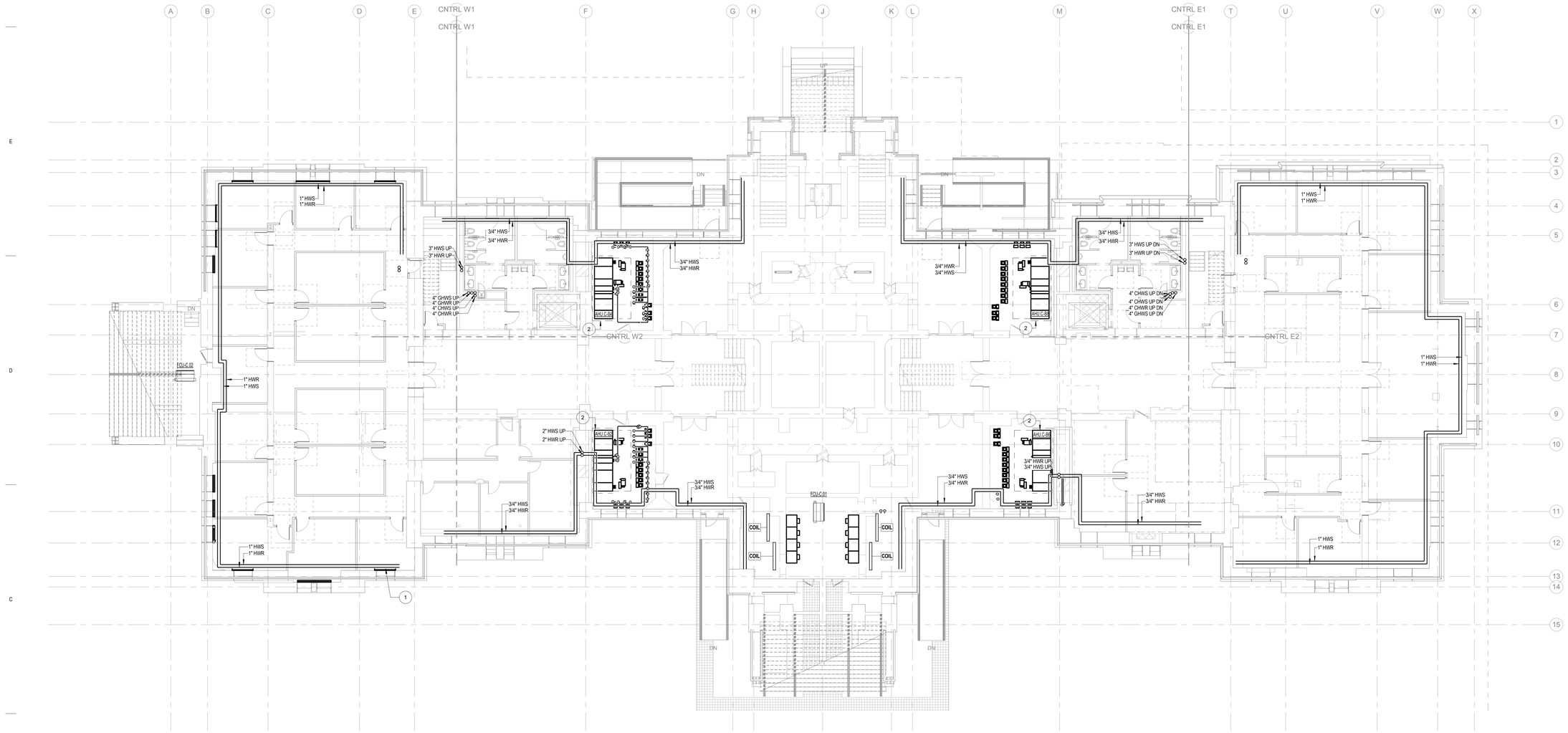
PROPOSED FOUNDATION MECHANICAL PIPING PLAN

SCALE 1" = 10'-0"

2MP100A

Schematic Design



1 GARDEN LEVEL MECHANICAL PIPING PLAN - ABOVE CEILING
1" = 10'-0"

7'-6" 2'-6"
10'-0" 5'-0" 0 10'-0" 20'-0" 40'-0"

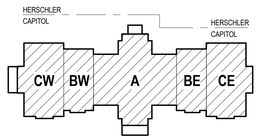
GENERAL NOTES

1. REFER TO LARGER SCALE PART PLANS FOR ADDITIONAL INFORMATION.
2. REFER TO PIPING RISER DIAGRAM FOR PIPE SIZES AND CONCEPT.

CONSTRUCTION NOTES

GRAPHIC LEGEND

KEY PLAN



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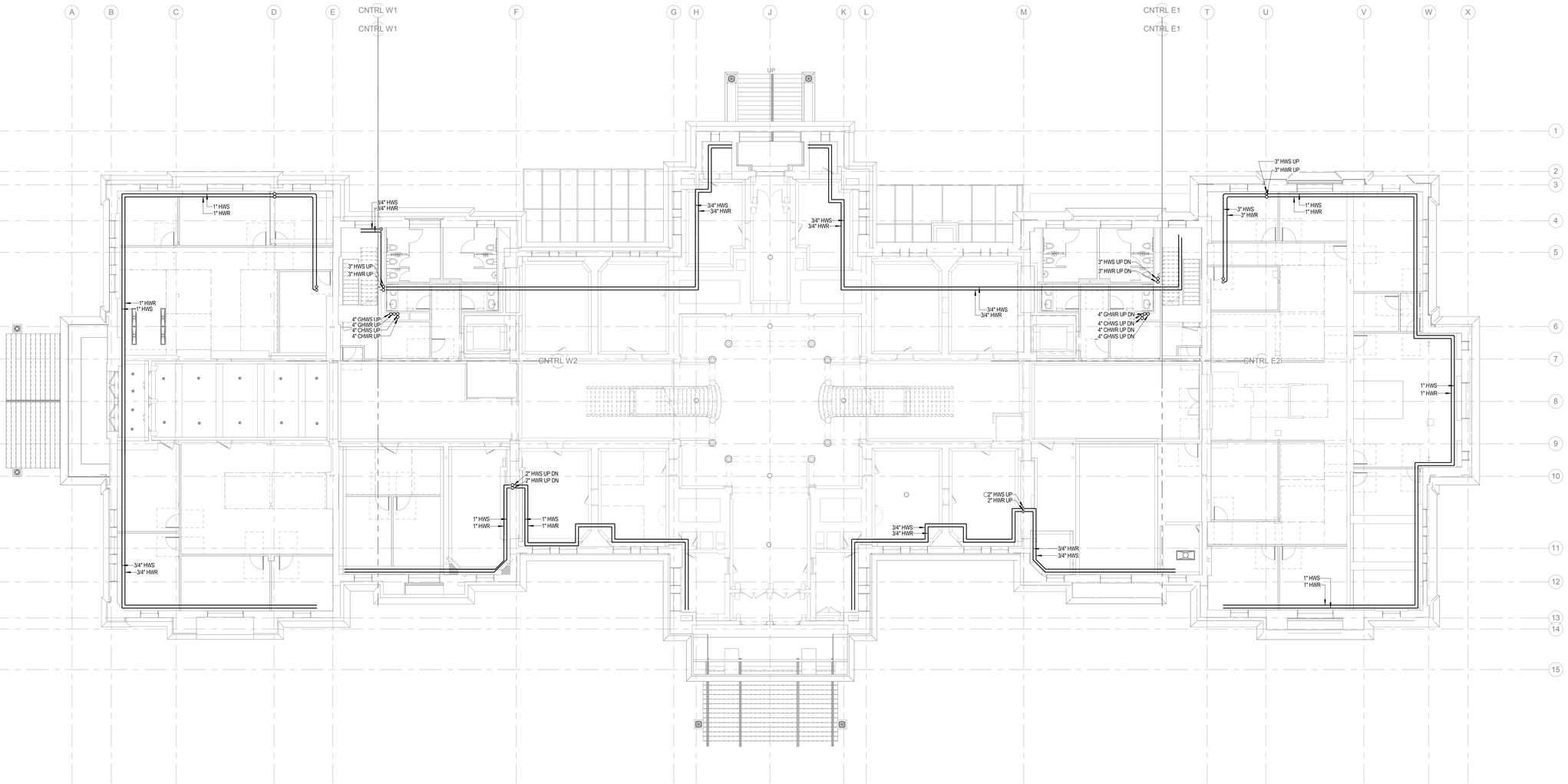
PROPOSED GARDEN LEVEL MECHANICAL PIPING PLAN

SCALE 1" = 10'-0"

2MP100B

Schematic Design



1 FIRST FLOOR MECHANICAL PIPING PLAN
1" = 10'-0"

7'-6" 2'-6"
10'-0" 5'-0" 0 10'-0" 20'-0" 40'-0"

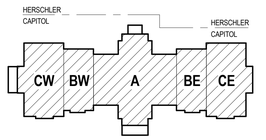
GENERAL NOTES

1. REFER TO LARGER SCALE PART PLANS FOR ADDITIONAL INFORMATION.
2. REFER TO PIPING RISER DIAGRAM FOR PIPE SIZES AND CONCEPT.

CONSTRUCTION NOTES

GRAPHIC LEGEND

KEY PLAN



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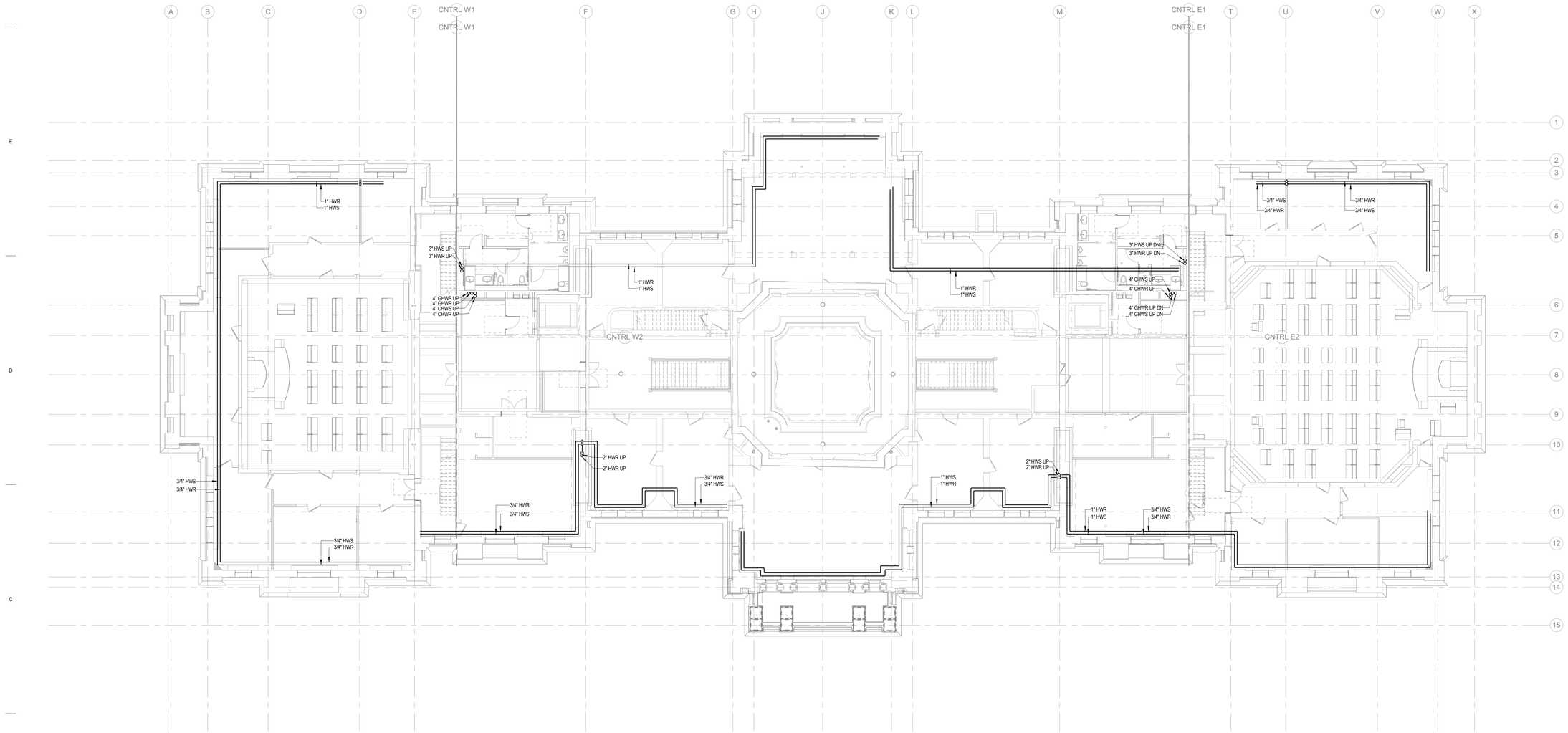
PKG. IDENTIFIER	2

PROPOSED FIRST FLOOR MECHANICAL PIPING PLAN

SCALE 1" = 10'-0"

2MP101

Schematic Design



1 SECOND FLOOR MECHANICAL PIPING PLAN
1" = 10'-0"

7'-6" 2'-6"
10'-0" 5'-0" 0 10'-0" 20'-0" 40'-0"

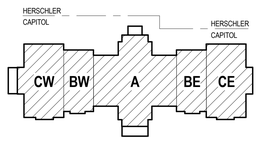
GENERAL NOTES

1. REFER TO LARGER SCALE PART PLANS FOR ADDITIONAL INFORMATION.
2. REFER TO PIPING RISER DIAGRAM FOR PIPE SIZES AND CONCEPT.

CONSTRUCTION NOTES

GRAPHIC LEGEND

KEY PLAN



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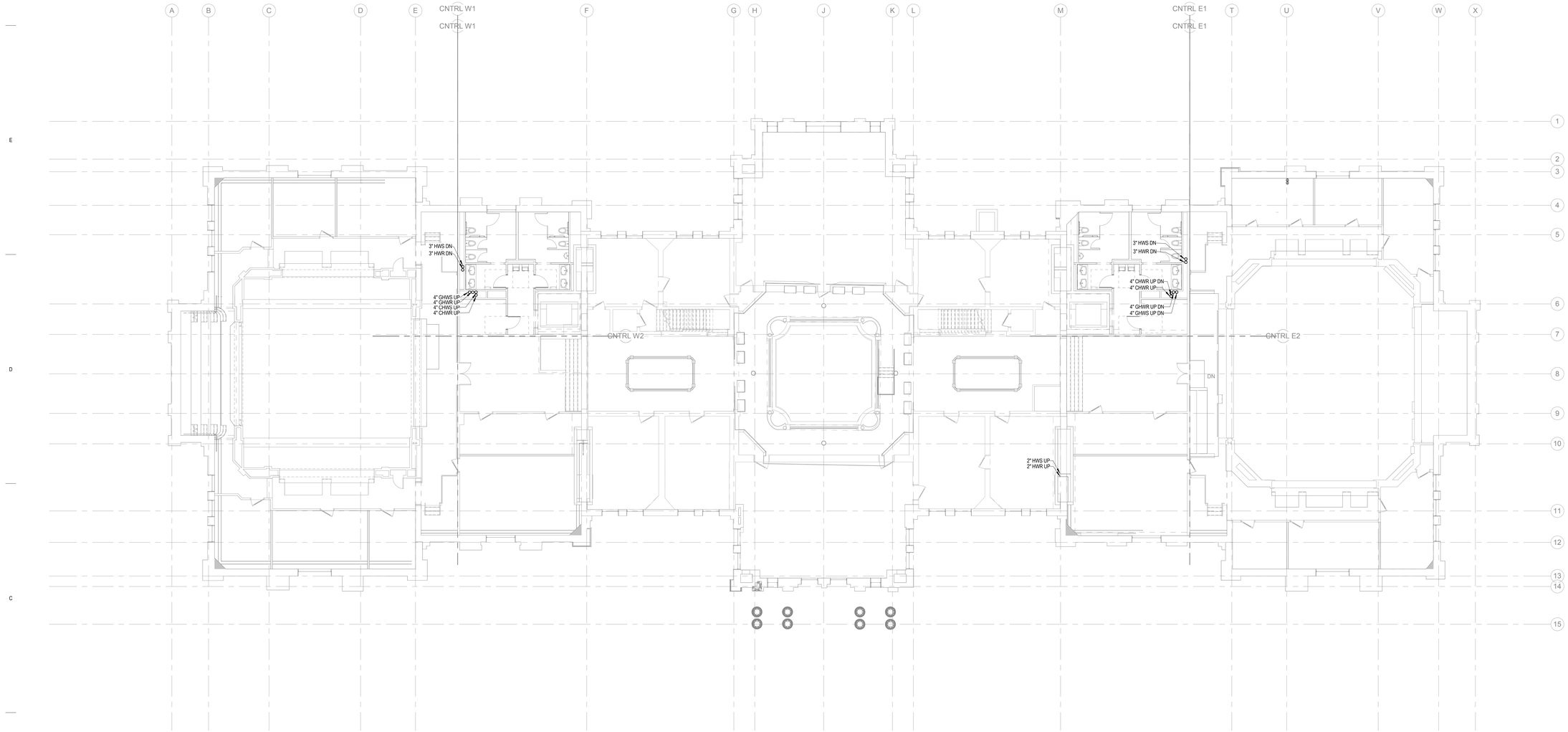
PKG. IDENTIFIER 2

PROPOSED SECOND FLOOR MECHANICAL PIPING PLAN

SCALE 1" = 10'-0"

2MP102

Schematic Design



1 THIRD FLOOR MECHANICAL PIPING PLAN
1" = 10'-0"

7'-6" 2'-6"
10'-0" 5'-0" 0 10'-0" 20'-0" 40'-0"

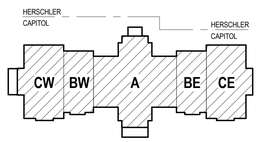
GENERAL NOTES

1. REFER TO LARGER SCALE PART PLANS FOR ADDITIONAL INFORMATION.
2. REFER TO PIPING RISER DIAGRAM FOR PIPE SIZES AND CONCEPT.

CONSTRUCTION NOTES

GRAPHIC LEGEND

KEY PLAN



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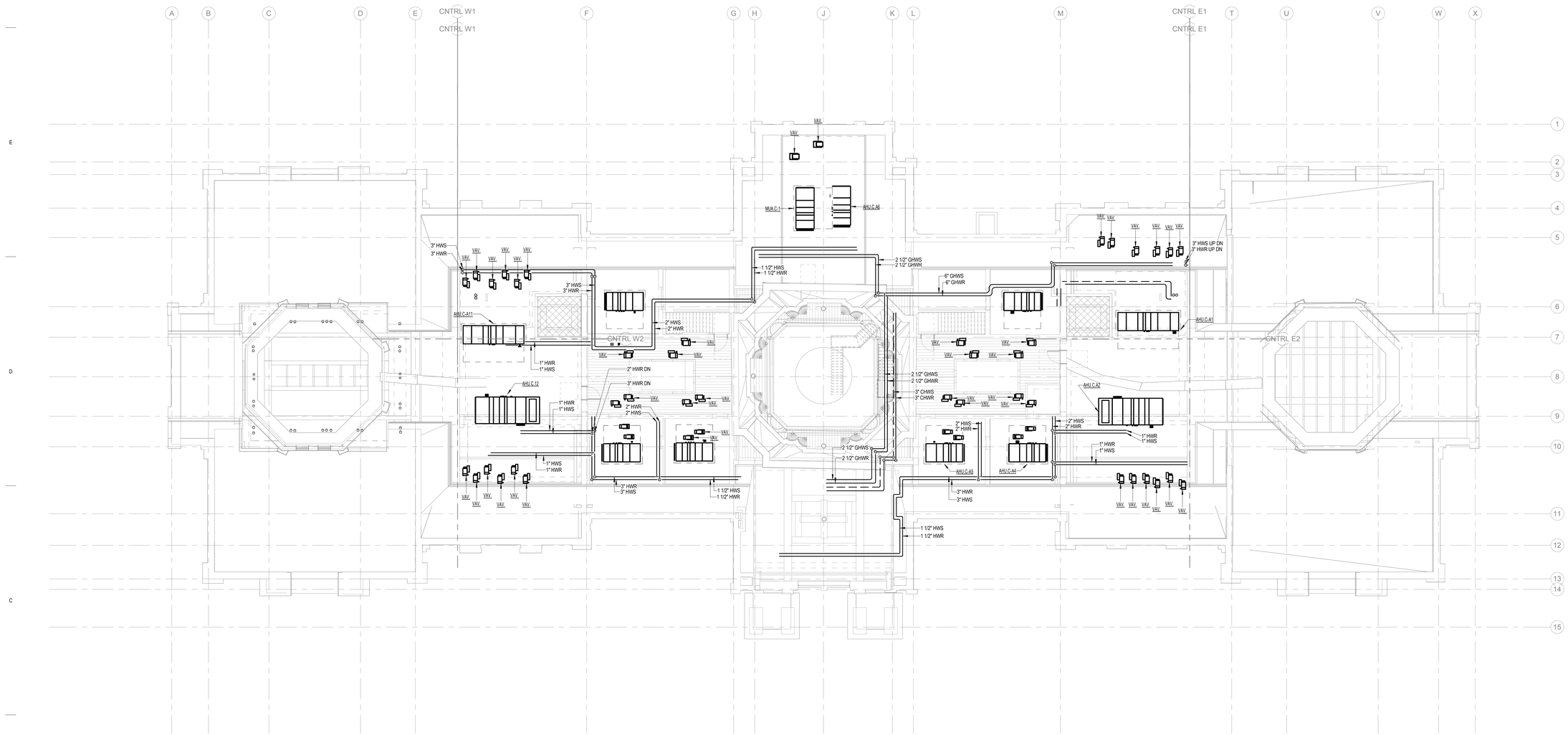
PROPOSED THIRD FLOOR MECHANICAL PIPING PLAN

SCALE 1" = 10'-0"

2MP103

Schematic Design



1 ATTIC 1 MECHANICAL PIPING PLAN
1" = 10'-0"

7'-6" 2'-6"
10'-0" 5'-0" 0 10'-0" 20'-0" 40'-0"

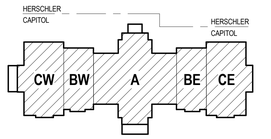
GENERAL NOTES

1. REFER TO LARGER SCALE PART PLANS FOR ADDITIONAL INFORMATION.
2. REFER TO PIPING RISER DIAGRAM FOR PIPE SIZES AND CONCEPT.

CONSTRUCTION NOTES

GRAPHIC LEGEND

KEY PLAN



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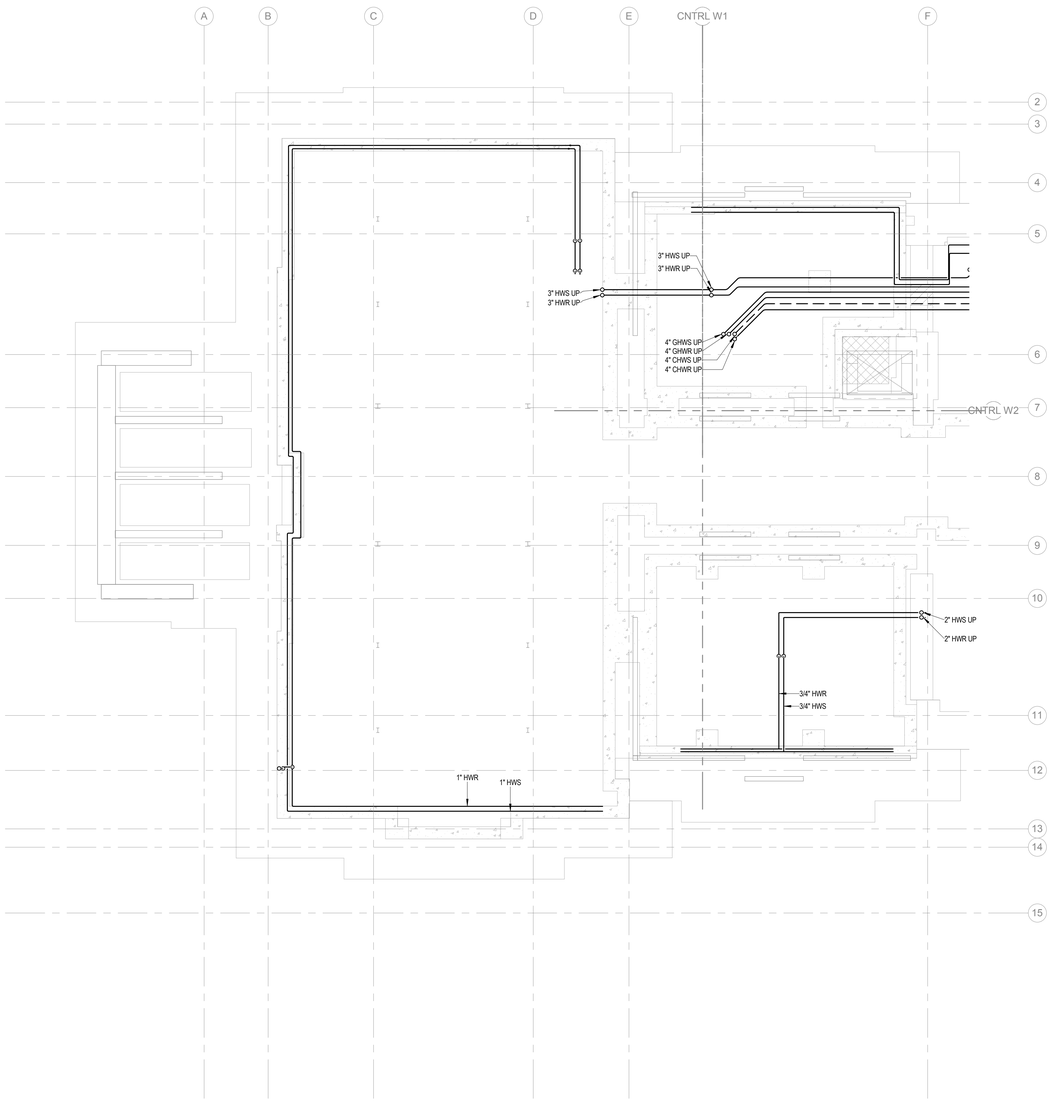
PROPOSED ATTIC 1 MECHANICAL PIPING PLAN

SCALE 1" = 10'-0"

2MP104

Schematic Design



② GARDEN LEVEL MECHANICAL PIPING PLAN WEST - BELOW FLOOR
1/8" = 1'-0"

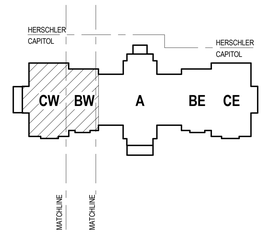
6'-0" 2'-0"
8'-0" 4'-0" 0 8'-0" 16'-0" 32'-0"

GENERAL NOTES

CONSTRUCTION NOTES

GRAPHIC LEGEND

KEY PLAN



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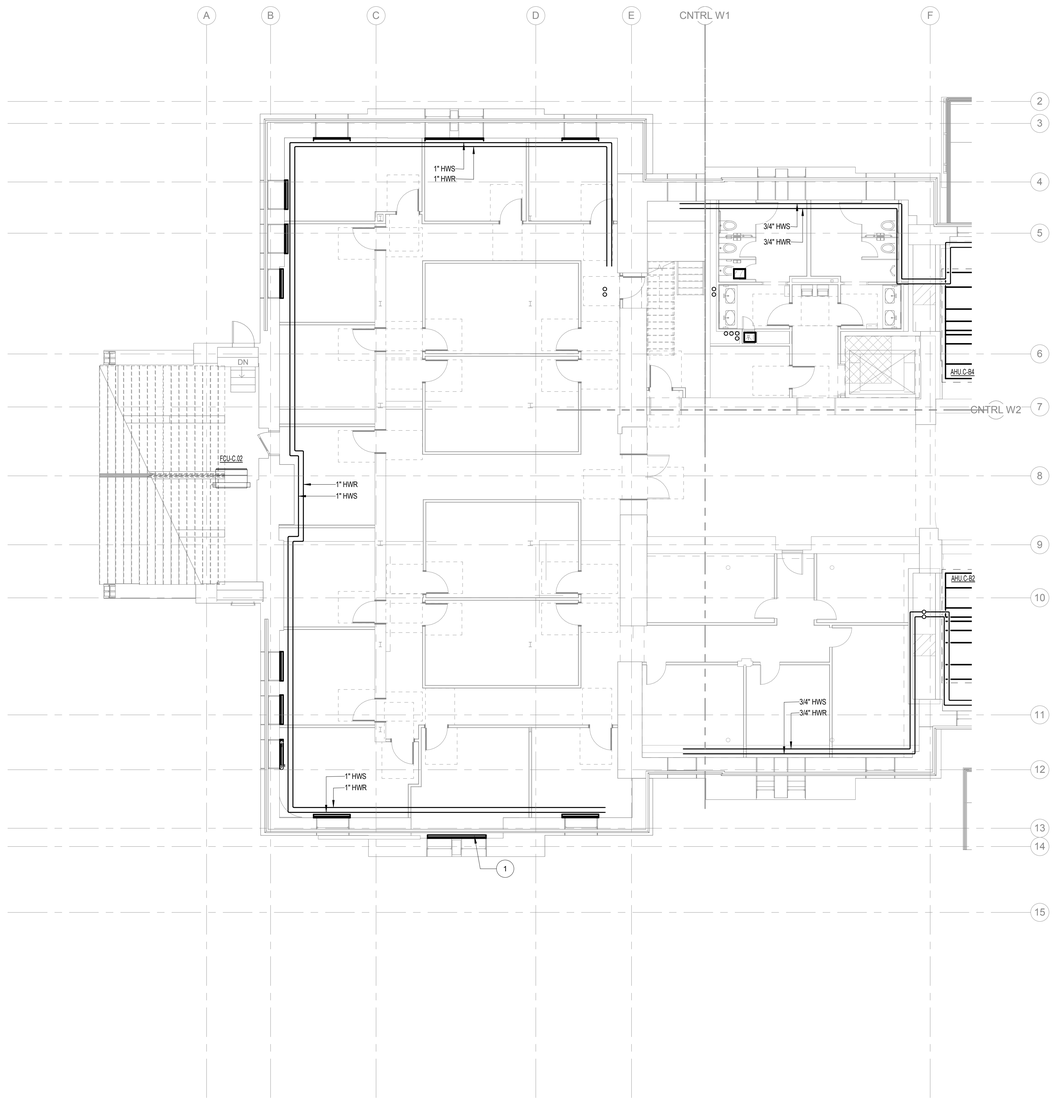
PKG. IDENTIFIER 2

PROPOSED FOUNDATION MECHANICAL PIPING PLAN WEST

SCALE 1/8" = 1'-0"

2MP110A

Schematic Design



1 GARDEN LEVEL MECHANICAL PIPING PLAN WEST - ABOVE FLOOR
1/8" = 1'-0"

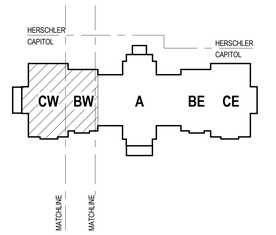
6'-0" 2'-0"
8'-0" 4'-0" 0 8'-0" 16'-0" 32'-0"

GENERAL NOTES

CONSTRUCTION NOTES

GRAPHIC LEGEND

KEY PLAN



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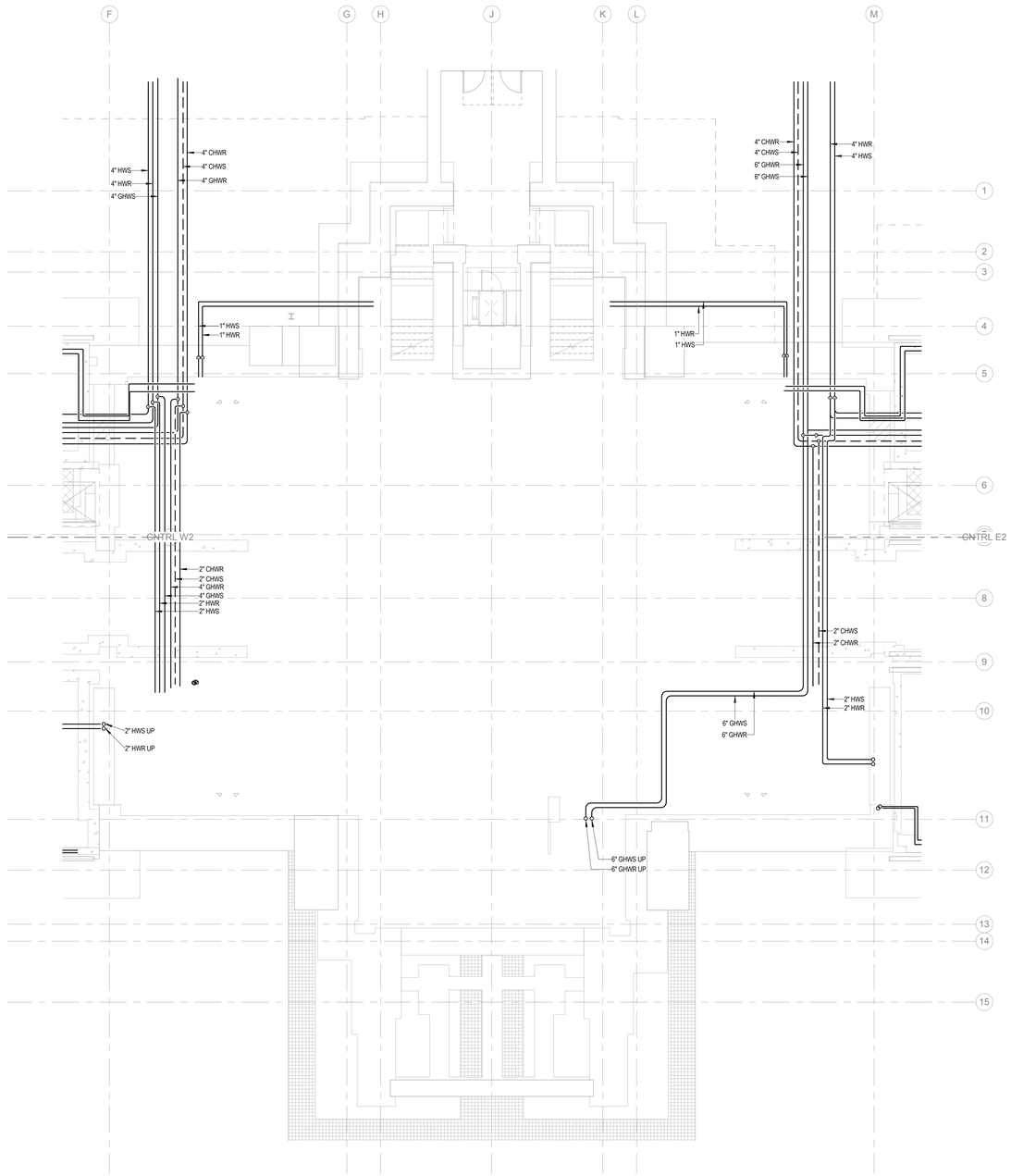
PROPOSED GARDEN LEVEL MECHANICAL PIPING PLAN WEST

SCALE 1/8" = 1'-0"

2MP110B

Schematic Design



1 GARDEN LEVEL MECHANICAL PIPING PLAN CENTER - BELOW FLOOR
1/8" = 1'-0"

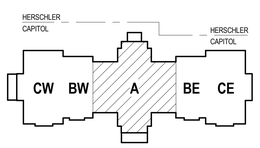
6'-0" 2'-0"
8'-0" 4'-0" 0 8'-0" 16'-0" 32'-0"

GENERAL NOTES

CONSTRUCTION NOTES

GRAPHIC LEGEND

KEY PLAN



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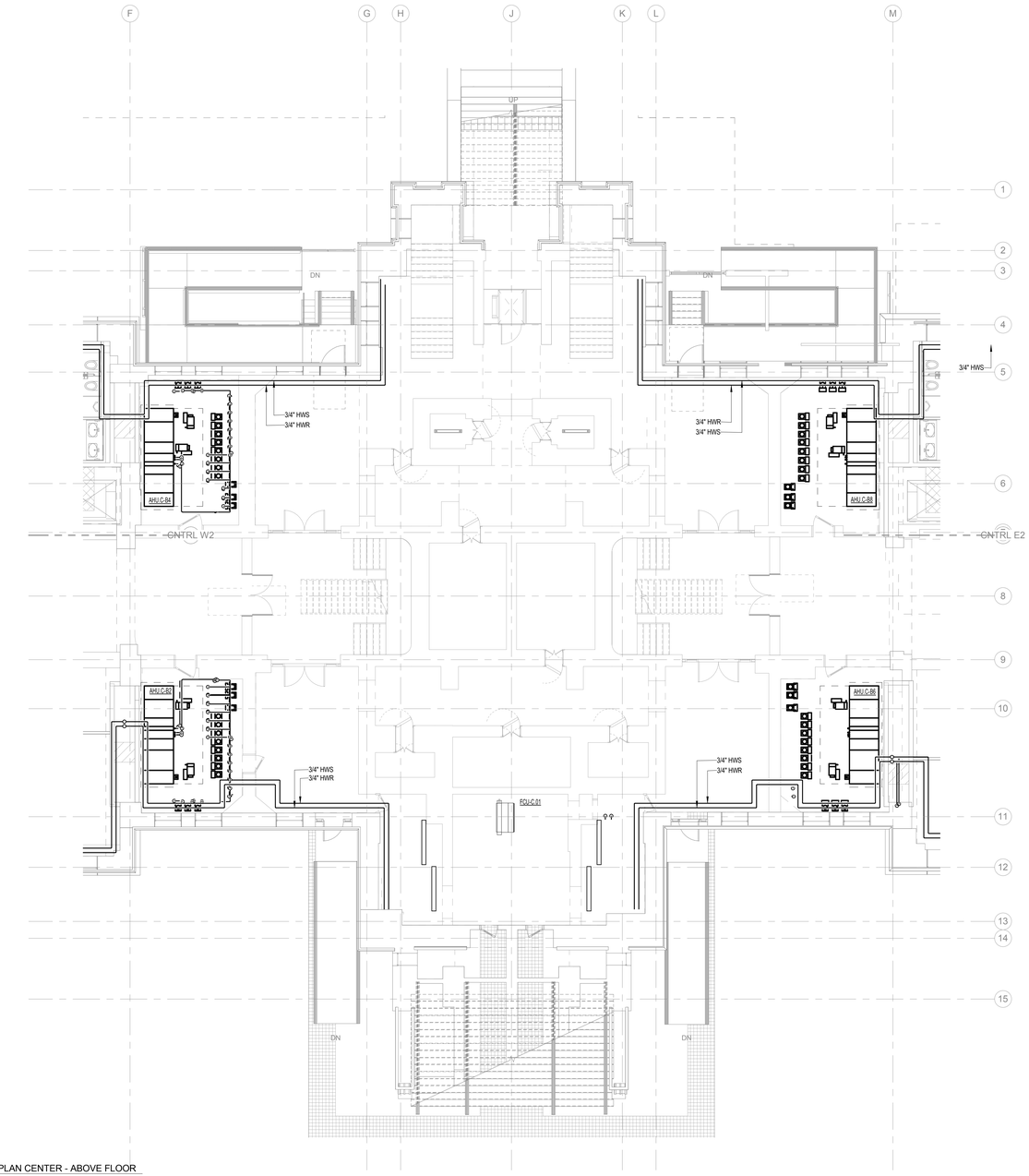
PROPOSED FOUNDATION MECHANICAL PIPING PLAN CENTER

SCALE 1/8" = 1'-0"

2MP111A

Schematic Design



1 GARDEN LEVEL MECHANICAL PIPING PLAN CENTER - ABOVE FLOOR
1/8" = 1'-0"

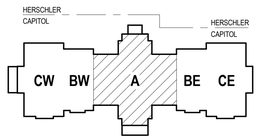
6'-0" 2'-0"
8'-0" 4'-0" 0 8'-0" 16'-0" 32'-0"

GENERAL NOTES

CONSTRUCTION NOTES

GRAPHIC LEGEND

KEY PLAN



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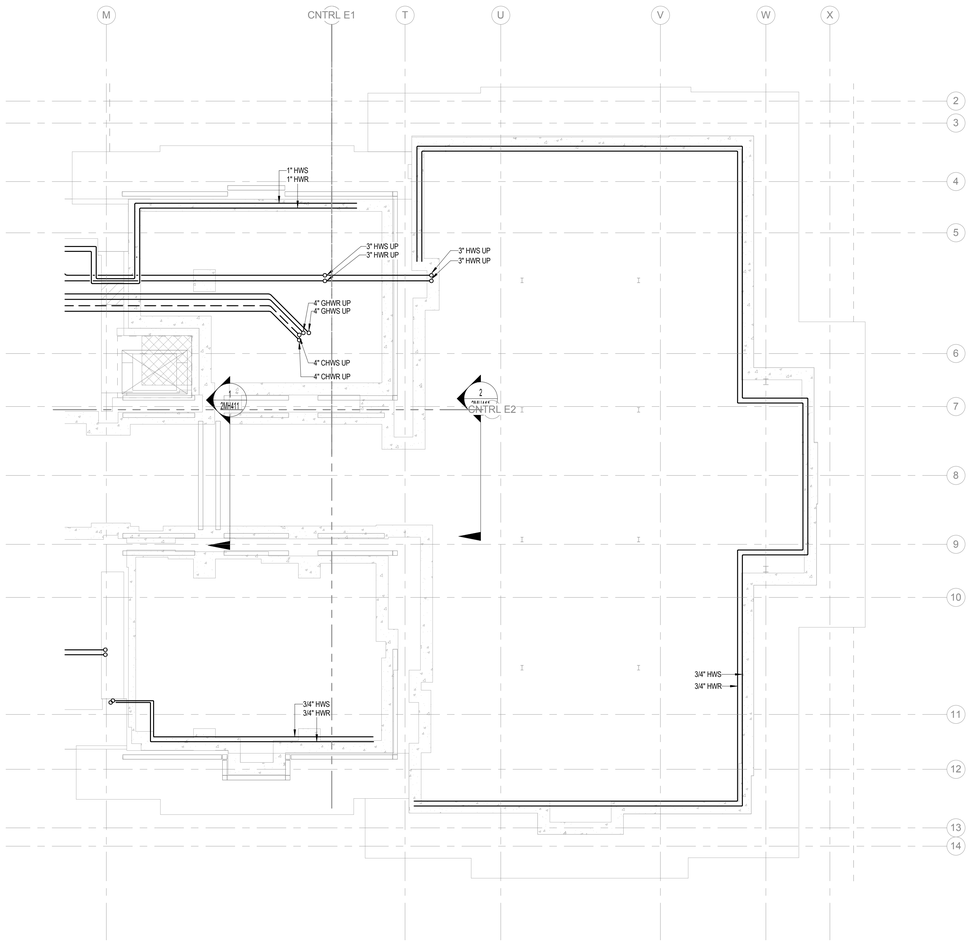
PROPOSED GARDEN LEVEL MECHANICAL PIPING PLAN CENTER

SCALE 1/8" = 1'-0"

2MP111B

Schematic Design



1 GARDEN LEVEL MECHANICAL PIPING PLAN EAST - BELOW FLOOR
1/8" = 1'-0"

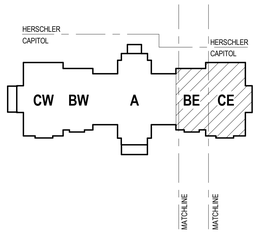
6'-0" 2'-0"
8'-0" 4'-0" 0 8'-0" 16'-0" 32'-0"

GENERAL NOTES

CONSTRUCTION NOTES

GRAPHIC LEGEND

KEY PLAN



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PROPOSED FOUNDATION MECHANICAL PIPING PLAN EAST

SCALE 1/8" = 1'-0"

2MP112A

Schematic Design

1 GARDEN LEVEL MECHANICAL PIPING PLAN EAST - ABOVE FLOOR
1/8" = 1'-0"

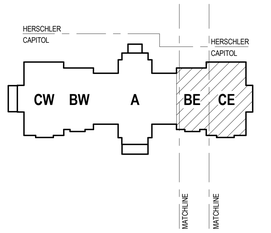
6'-0" 2'-0"
8'-0" 4'-0" 0 8'-0" 16'-0" 32'-0"

GENERAL NOTES

CONSTRUCTION NOTES

GRAPHIC LEGEND

KEY PLAN



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PROPOSED GARDEN LEVEL MECHANICAL PIPING PLAN EAST

SCALE 1/8" = 1'-0"

2MP112B

Schematic Design

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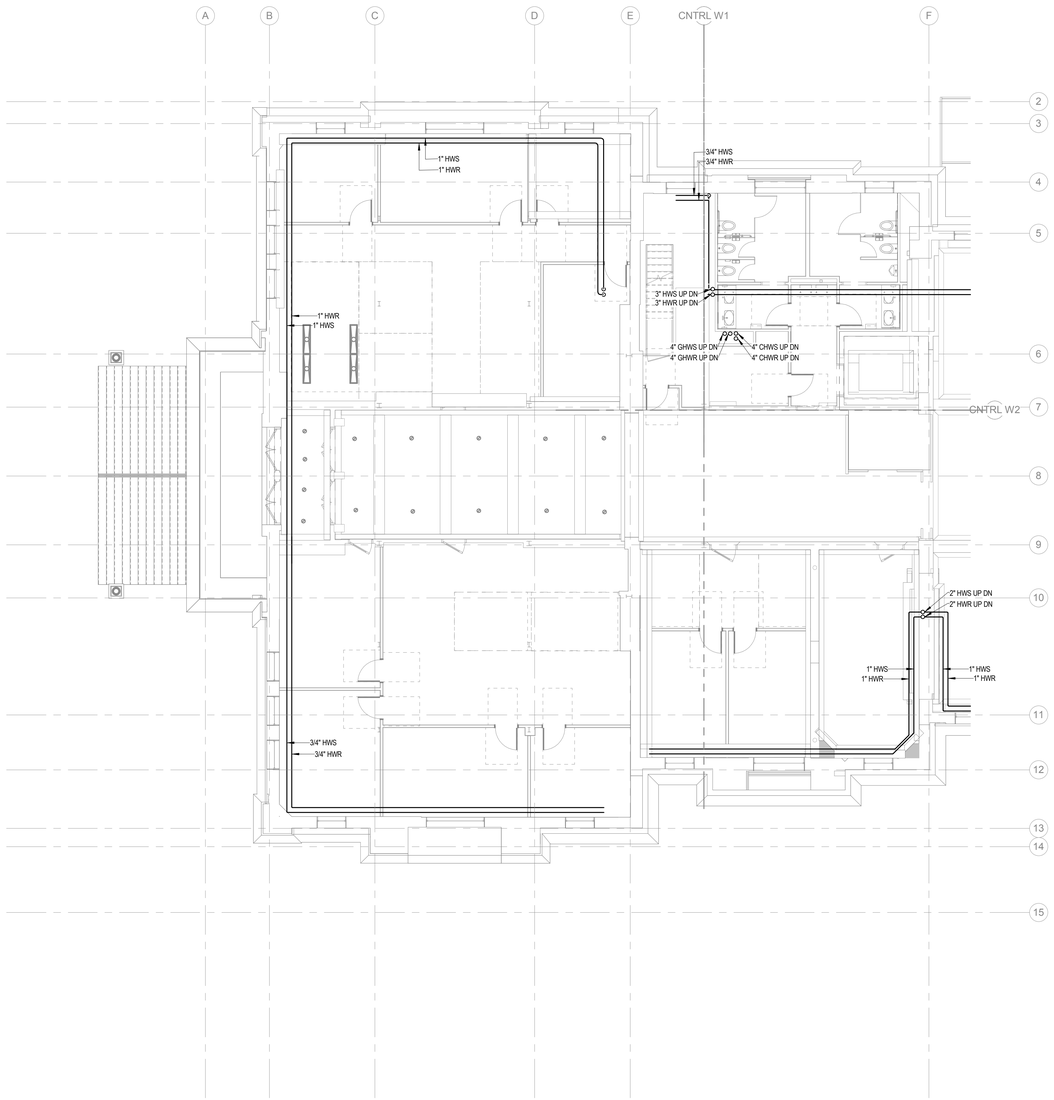


2 FIRST FLOOR MECHANICAL PIPING PLAN WEST
1/8" = 1'-0"

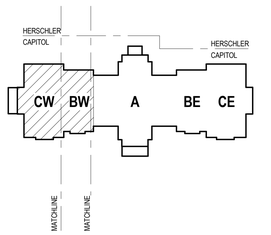
6'-0" 2'-0"
8'-0" 4'-0" 0 8'-0" 16'-0" 32'-0"

GENERAL NOTES

CONSTRUCTION NOTES

GRAPHIC LEGEND

KEY PLAN



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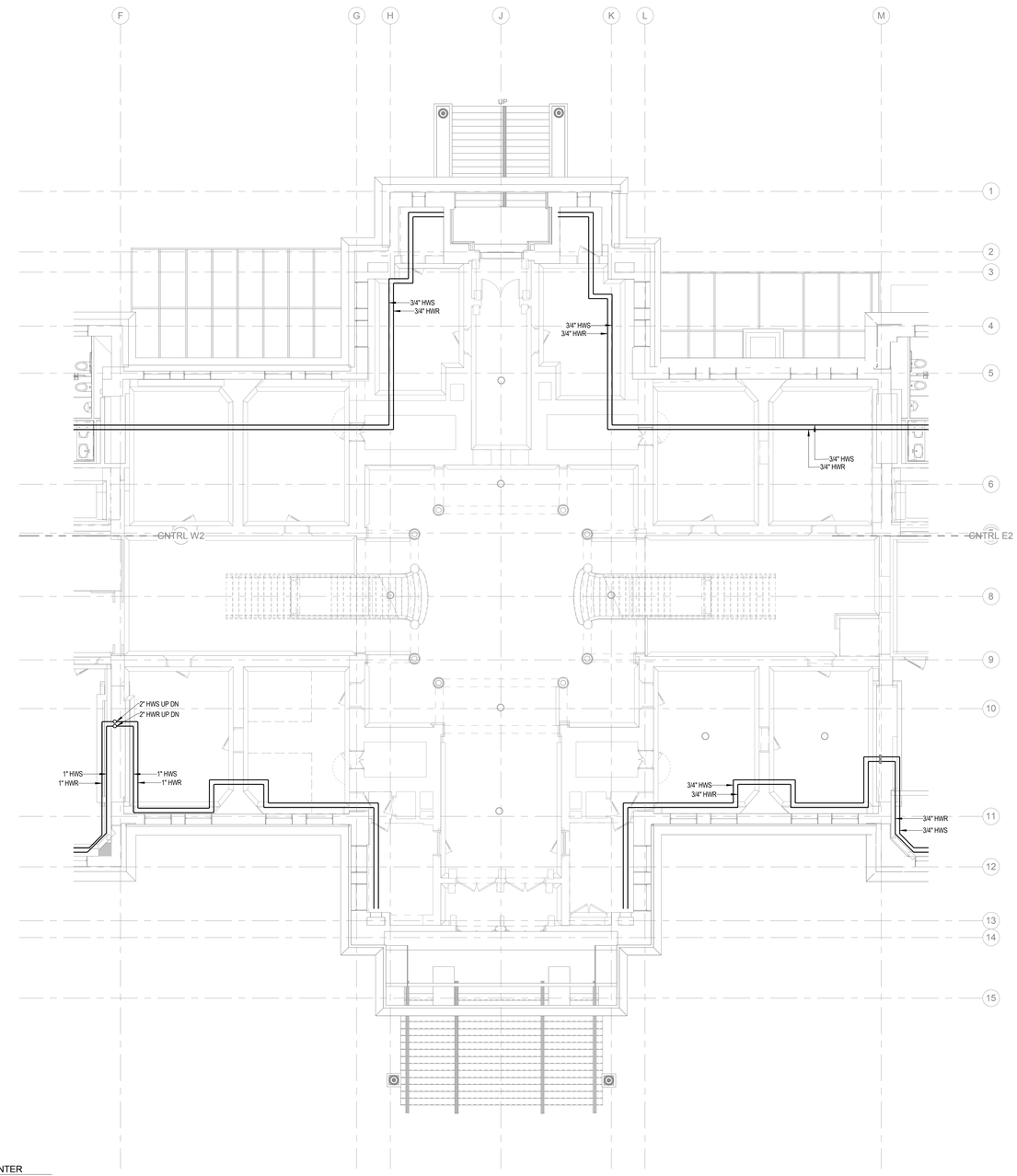
PROPOSED FIRST FLOOR MECHANICAL PIPING PLAN WEST

SCALE 1/8" = 1'-0"

2MP115

Schematic Design



1 FIRST FLOOR MECHANICAL PIPING PLAN CENTER
1/8" = 1'-0"

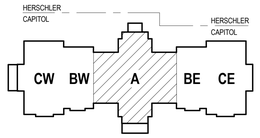
6'-0" 2'-0"
8'-0" 4'-0" 0 8'-0" 16'-0" 32'-0"

GENERAL NOTES

CONSTRUCTION NOTES

GRAPHIC LEGEND

KEY PLAN



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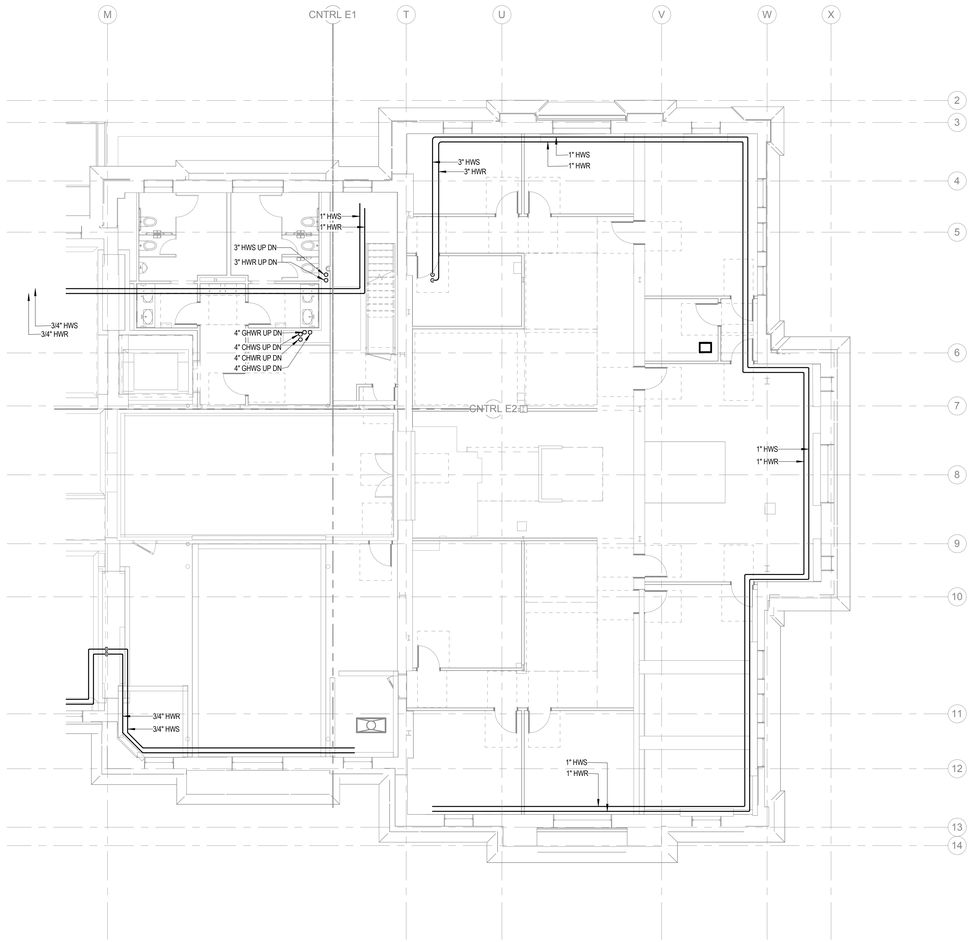
PROPOSED FIRST FLOOR MECHANICAL PIPING PLAN CENTER

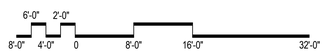
SCALE 1/8" = 1'-0"

2MP116

Schematic Design



1 FIRST FLOOR MECHANICAL PIPING PLAN EAST
1/8" = 1'-0"

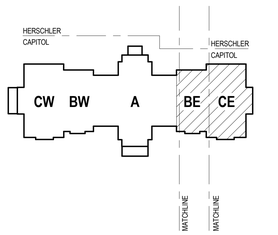


GENERAL NOTES

CONSTRUCTION NOTES

GRAPHIC LEGEND

KEY PLAN



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PROPOSED FIRST FLOOR MECHANICAL PIPING PLAN EAST

SCALE 1/8" = 1'-0"

2MP117

Schematic Design

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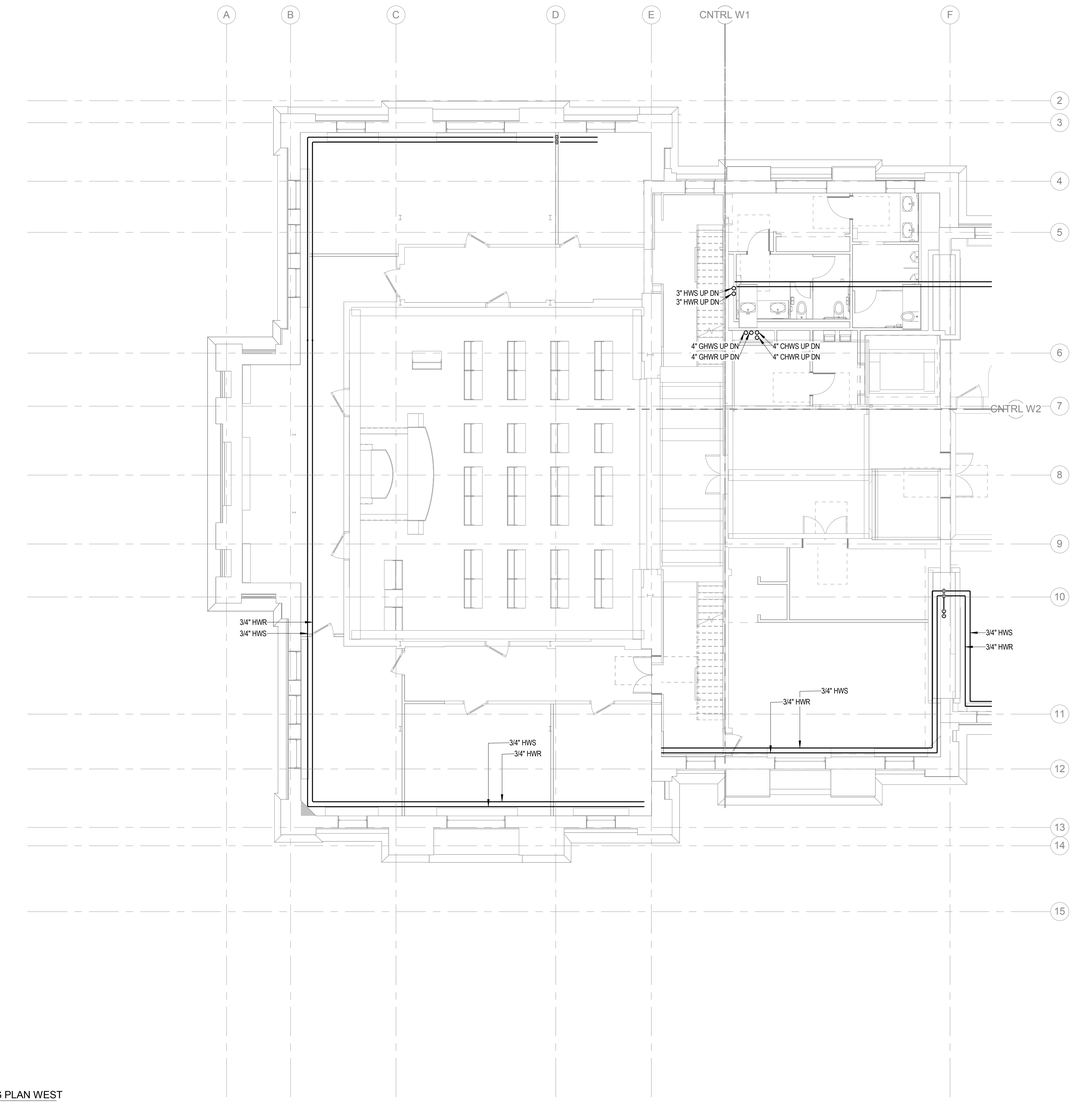


2 SECOND FLOOR MECHANICAL PIPING PLAN WEST
1/8" = 1'-0"

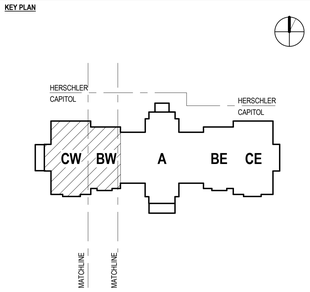
6'-0" 2'-0"
8'-0" 4'-0" 0 8'-0" 16'-0" 32'-0"

GENERAL NOTES

CONSTRUCTION NOTES

GRAPHIC LEGEND

KEY PLAN



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MARK	DATE	DESCRIPTION
1	2014/12/19	SD OWNER REVIEW

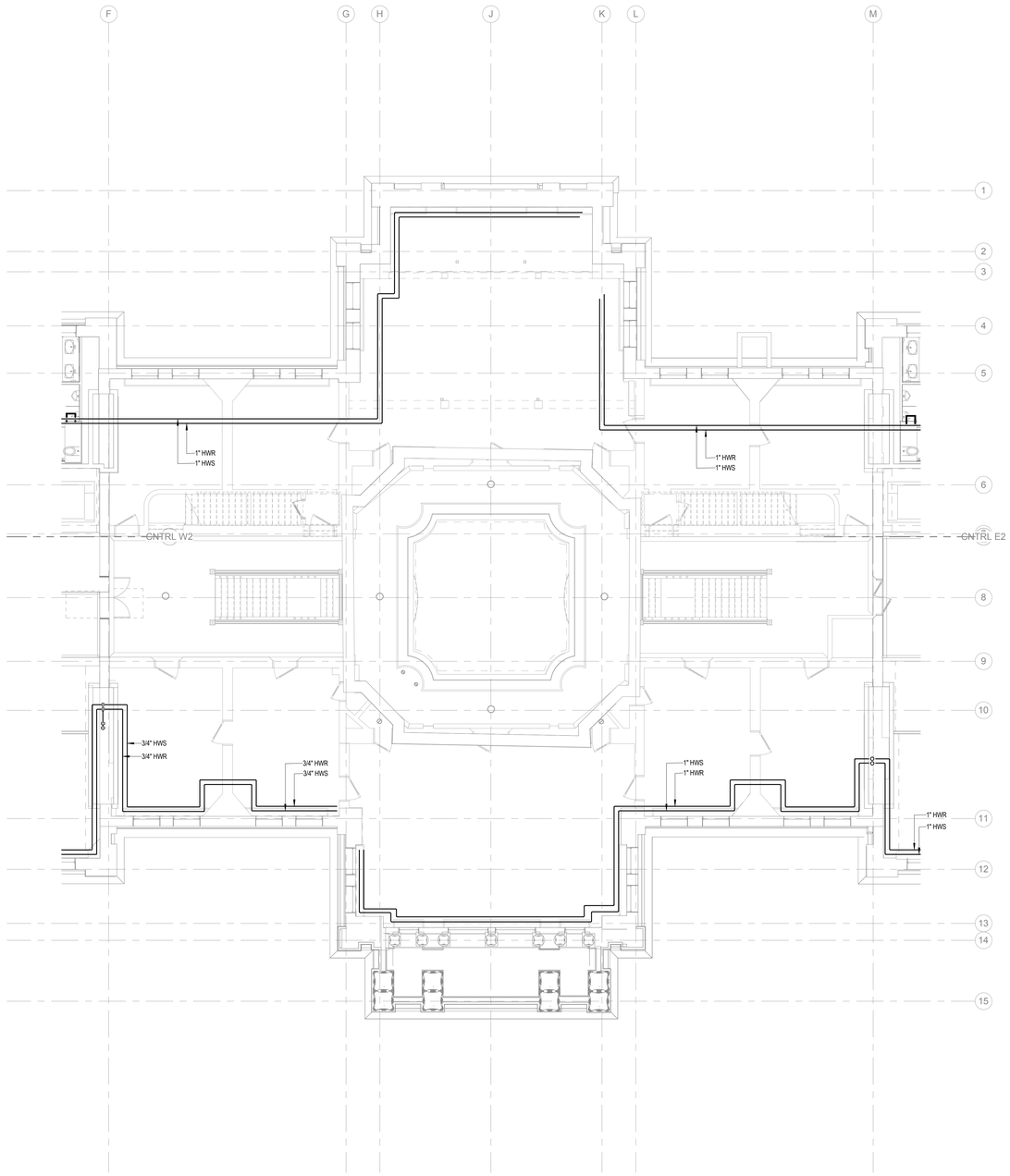
PROJECT NUMBER	203819
ORIGINAL ISSUE	- - -
PKG. IDENTIFIER	2

PROPOSED SECOND FLOOR MECHANICAL PIPING PLAN WEST

SCALE 1/8" = 1'-0"

2MP120

Schematic Design



1 SECOND FLOOR MECHANICAL PIPING PLAN CENTER
1/8" = 1'-0"

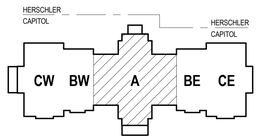
7'-6" 2'-6"
10'-0" 5'-0" 0 10'-0" 20'-0" 40'-0"

GENERAL NOTES

CONSTRUCTION NOTES

GRAPHIC LEGEND

KEY PLAN



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MARK	DATE	DESCRIPTION
1	2014/12/19	SD OWNER REVIEW

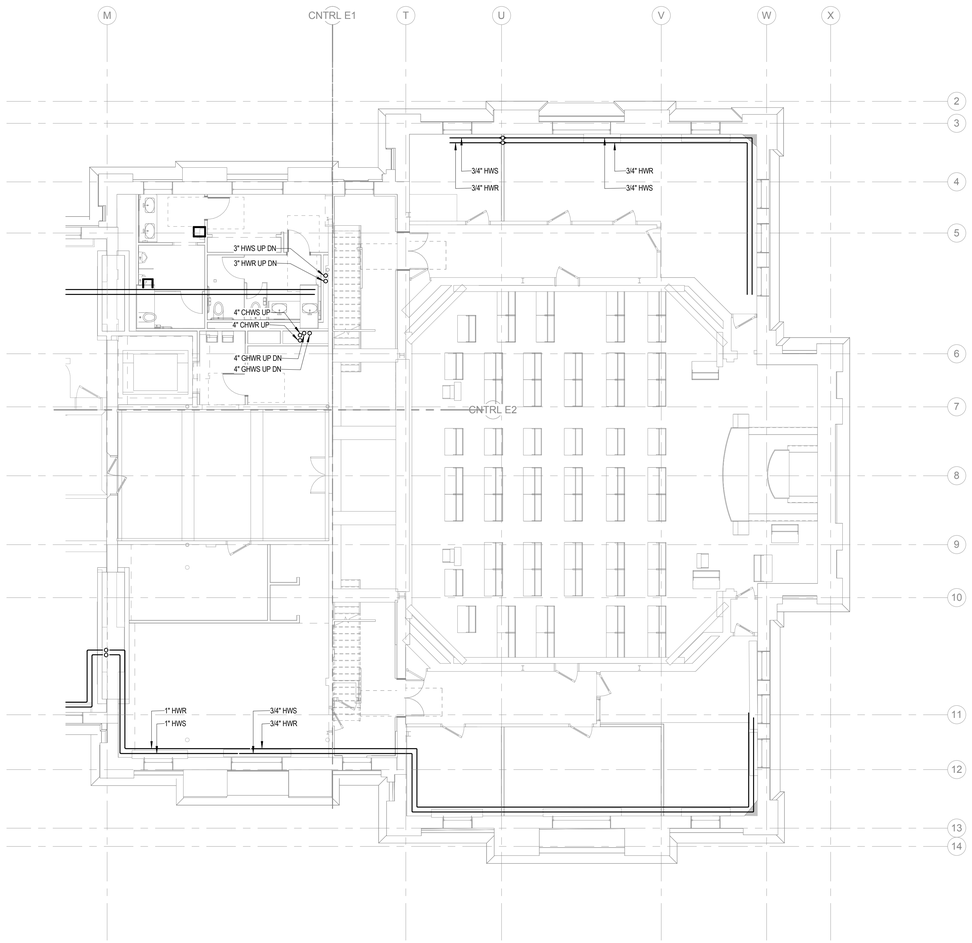
PROJECT NUMBER 203619
ORIGINAL ISSUE - -
PKG. IDENTIFIER 2

PROPOSED SECOND FLOOR MECHANICAL PIPING PLAN CENTER

SCALE 1/8" = 1'-0"

2MP121

Schematic Design



1 SECOND FLOOR MECHANICAL PIPING PLAN EAST
1/8" = 1'-0"

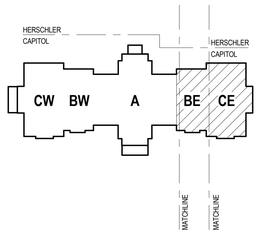
6'-0" 2'-0"
8'-0" 4'-0" 0 8'-0" 16'-0" 32'-0"

GENERAL NOTES

CONSTRUCTION NOTES

GRAPHIC LEGEND

KEY PLAN



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MARK	DATE	DESCRIPTION
1	2014/12/19	SD OWNER REVIEW

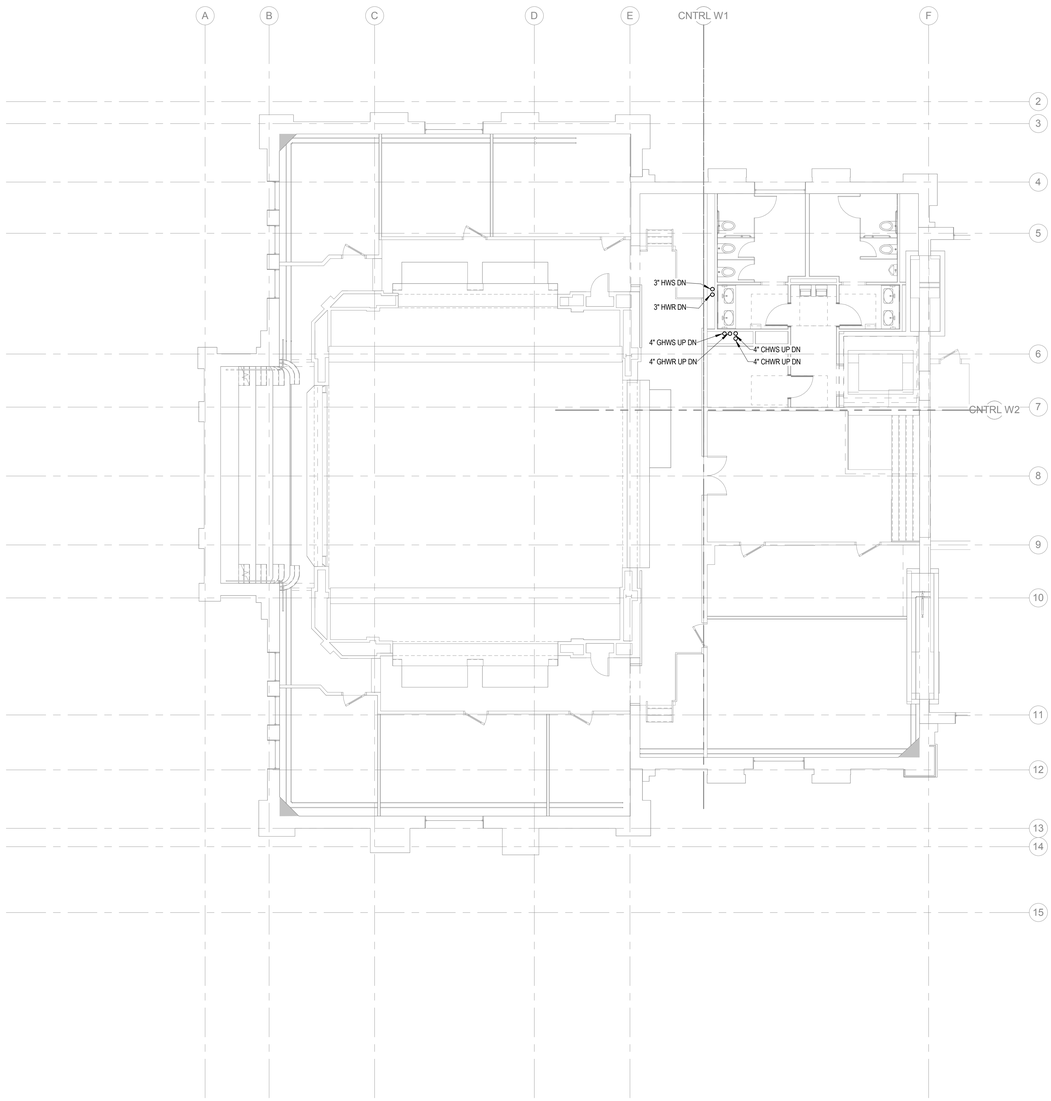
PROJECT NUMBER	203619
ORIGINAL ISSUE	- - -
PKG. IDENTIFIER	2

PROPOSED SECOND FLOOR MECHANICAL PIPING PLAN EAST

SCALE 1/8" = 1'-0"

2MP122

Schematic Design



2 THIRD FLOOR MECHANICAL PIPING PLAN WEST
1/8" = 1'-0"

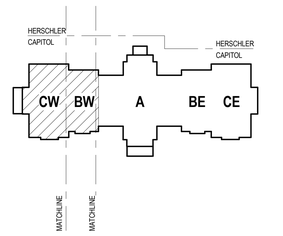
6'-0" 2'-0"
8'-0" 4'-0" 0 8'-0" 16'-0" 32'-0"

GENERAL NOTES

CONSTRUCTION NOTES

GRAPHIC LEGEND

KEY PLAN



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MARK	DATE	DESCRIPTION
1	2014/12/19	SD OWNER REVIEW

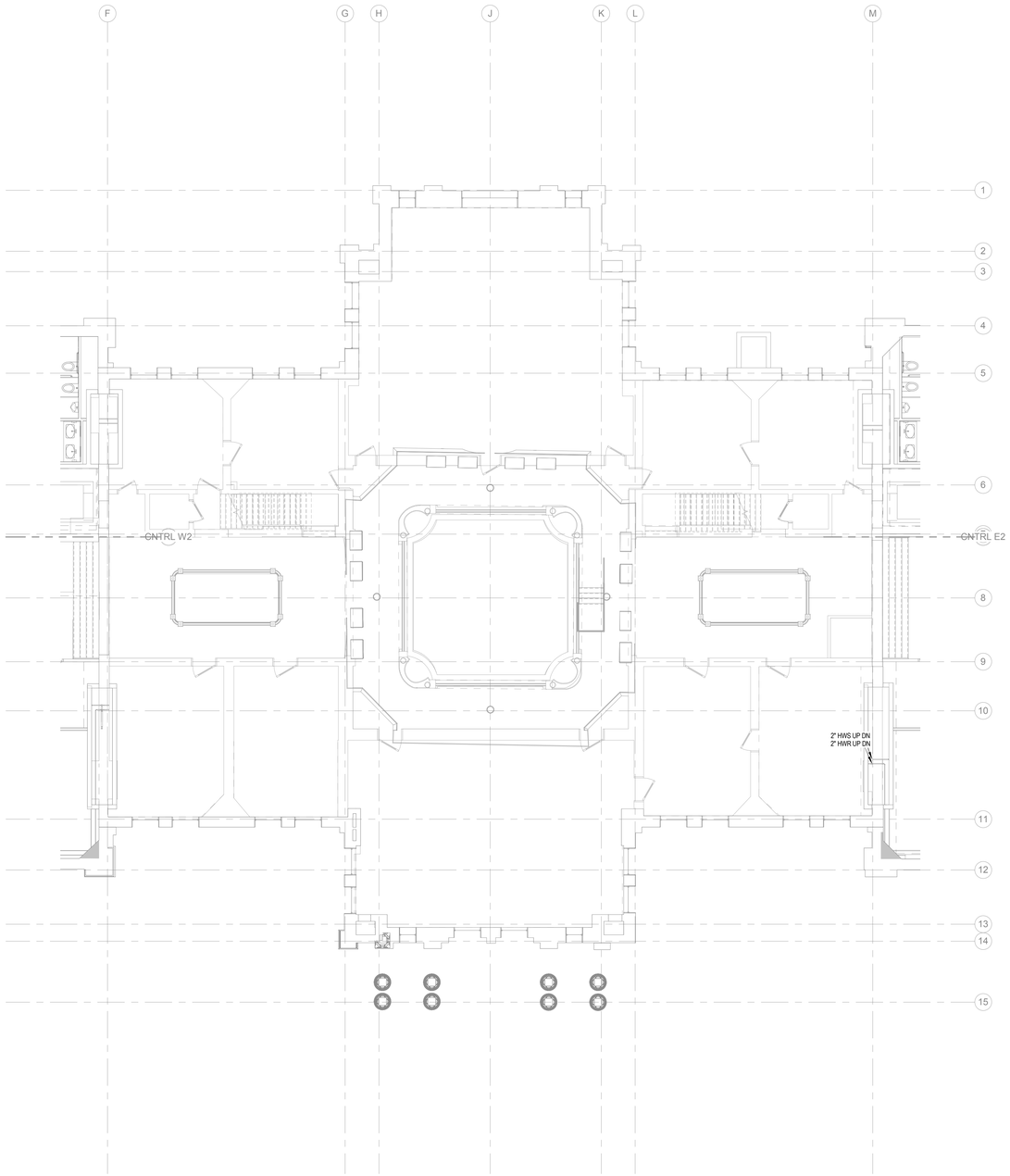
PROJECT NUMBER	203619
ORIGINAL ISSUE	---
PKG. IDENTIFIER	2

PROPOSED THIRD FLOOR MECHANICAL PIPING PLAN WEST

SCALE 1/8" = 1'-0"

2MP125

Schematic Design



1 THIRD FLOOR MECHANICAL PIPING PLAN CENTER
1/8" = 1'-0"

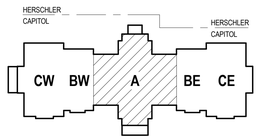
6'-0" 2'-0"
8'-0" 4'-0" 0 8'-0" 16'-0" 32'-0"

GENERAL NOTES

CONSTRUCTION NOTES

GRAPHIC LEGEND

KEY PLAN



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MARK	DATE	DESCRIPTION
1	2014/12/19	SD OWNER REVIEW

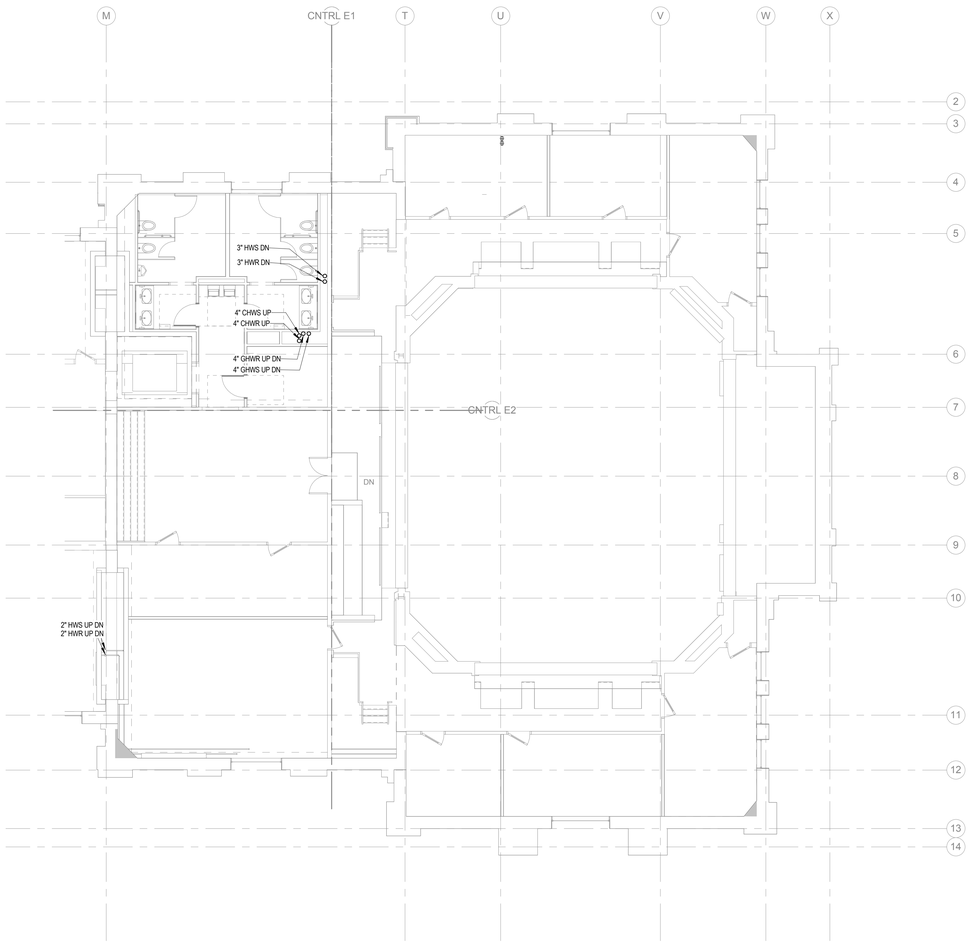
PROJECT NUMBER	203519
ORIGINAL ISSUE	- - -
PKG. IDENTIFIER	2

PROPOSED THIRD FLOOR MECHANICAL PIPING PLAN CENTER

SCALE 1/8" = 1'-0"

2MP126

Schematic Design



1 THIRD FLOOR MECHANICAL PIPING PLAN EAST
1/8" = 1'-0"

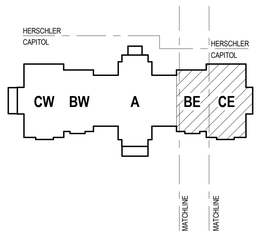
6'-0" 2'-0"
8'-0" 4'-0" 0 8'-0" 16'-0" 32'-0"

GENERAL NOTES

CONSTRUCTION NOTES

GRAPHIC LEGEND

KEY PLAN



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MARK	DATE	DESCRIPTION
1	2014/12/19	SD OWNER REVIEW

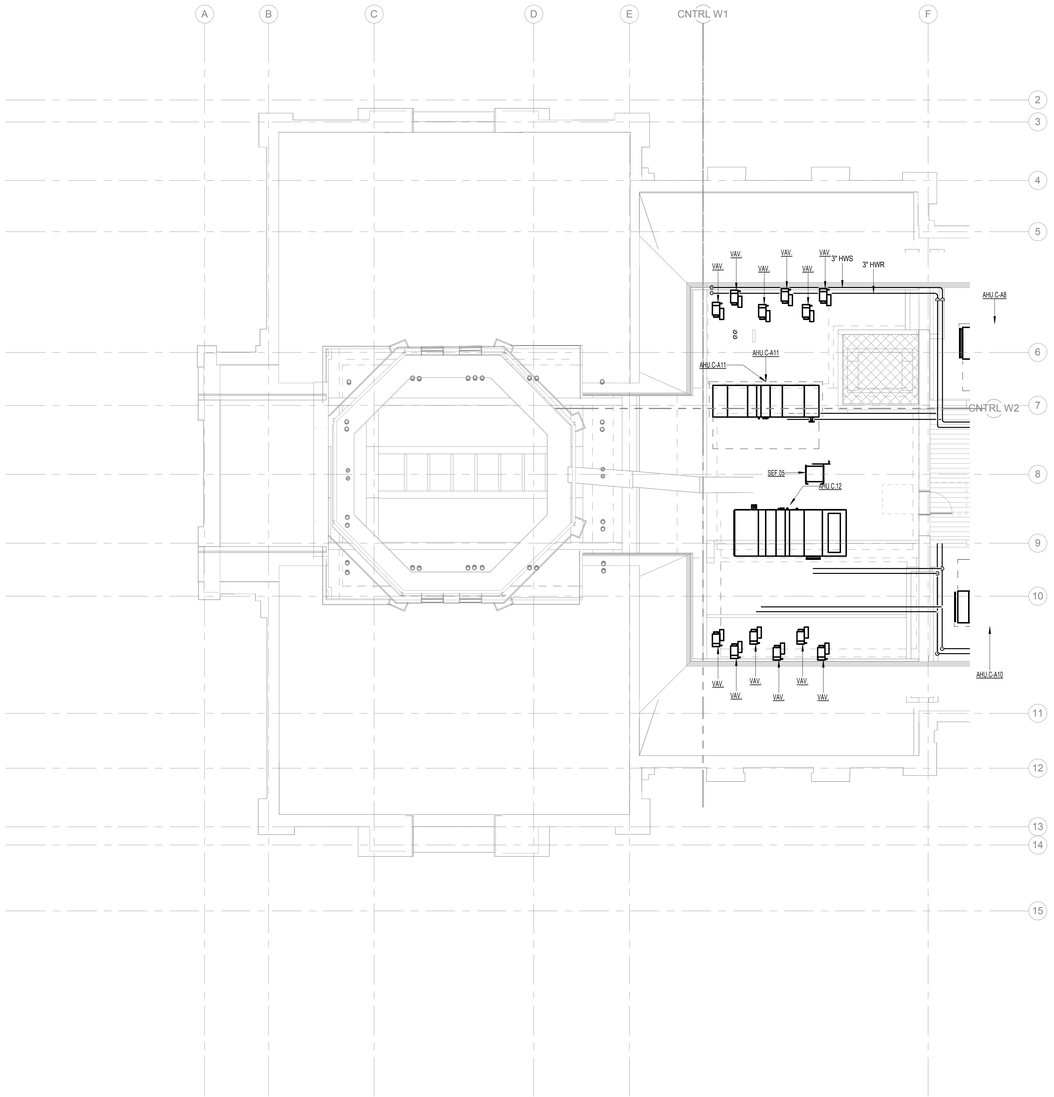
PROJECT NUMBER	203619
ORIGINAL ISSUE	- - -
PKG. IDENTIFIER	2

PROPOSED THIRD FLOOR MECHANICAL PLAN EAST

SCALE 1/8" = 1'-0"

2MP127

Schematic Design



2 ATTIC 1 MECHANICAL PIPING PLAN WEST
1/8" = 1'-0"

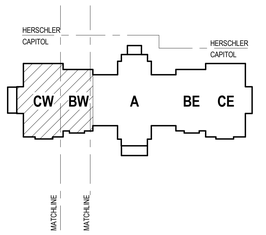
6'-0" 2'-0"
8'-0" 4'-0" 0 8'-0" 16'-0" 32'-0"

GENERAL NOTES

CONSTRUCTION NOTES

GRAPHIC LEGEND

KEY PLAN



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MARK	DATE	DESCRIPTION
1	2014/12/19	SD OWNER REVIEW

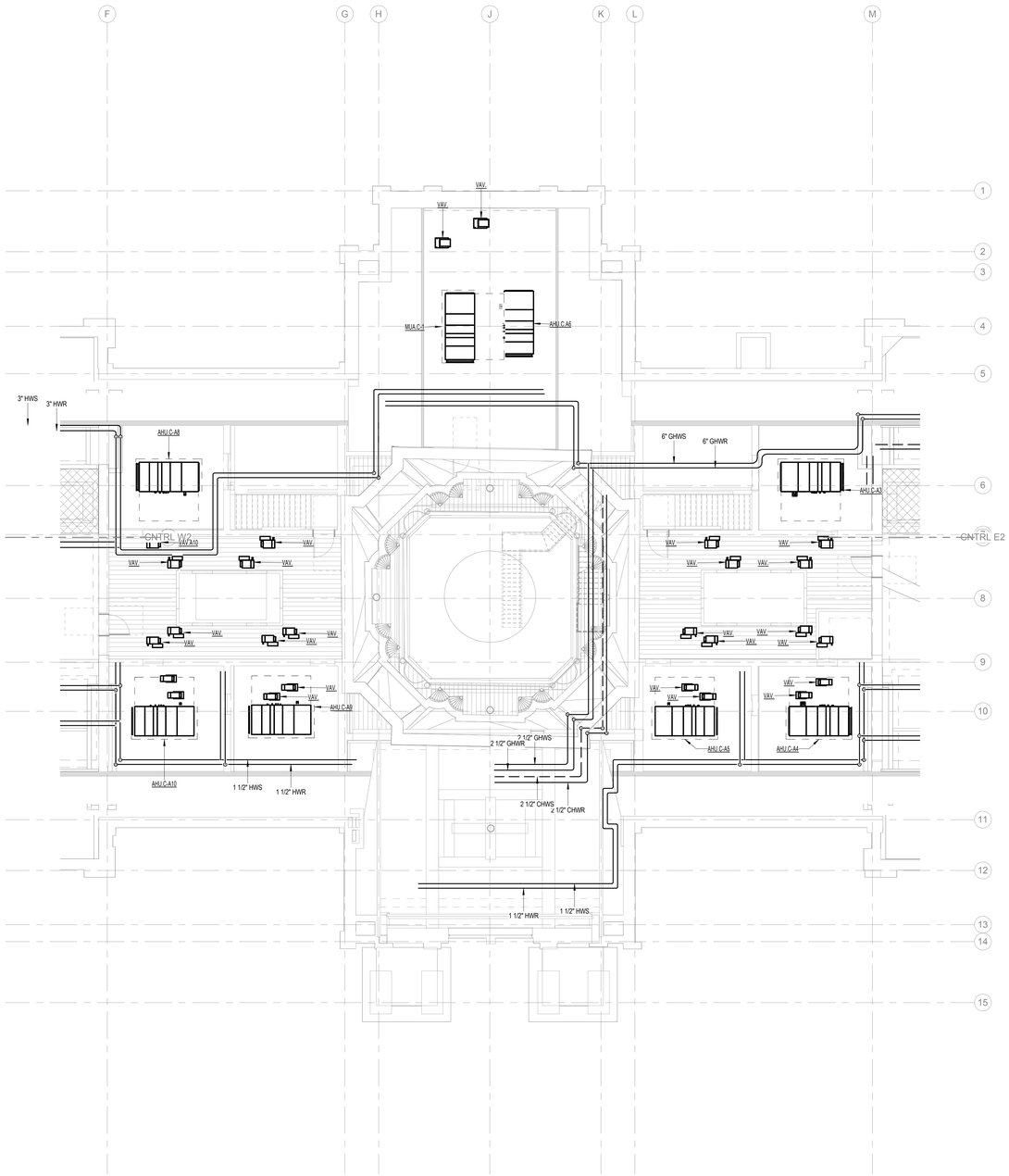
PROJECT NUMBER	203619
ORIGINAL ISSUE	- -
PKG. IDENTIFIER	2

PROPOSED ATTIC 1 MECHANICAL PIPING PLAN WEST

SCALE 1/8" = 1'-0"

2MP130

Schematic Design



1 ATTIC 1 MECHANICAL PIPING PLAN CENTER
1/8" = 1'-0"

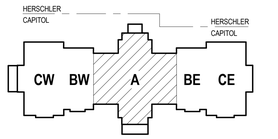
6'-0" 2'-0"
8'-0" 4'-0" 0 8'-0" 16'-0" 32'-0"

GENERAL NOTES

CONSTRUCTION NOTES

GRAPHIC LEGEND

KEY PLAN



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PRELIMINARY
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MARK	DATE	DESCRIPTION
1	2014/12/19	SD OWNER REVIEW

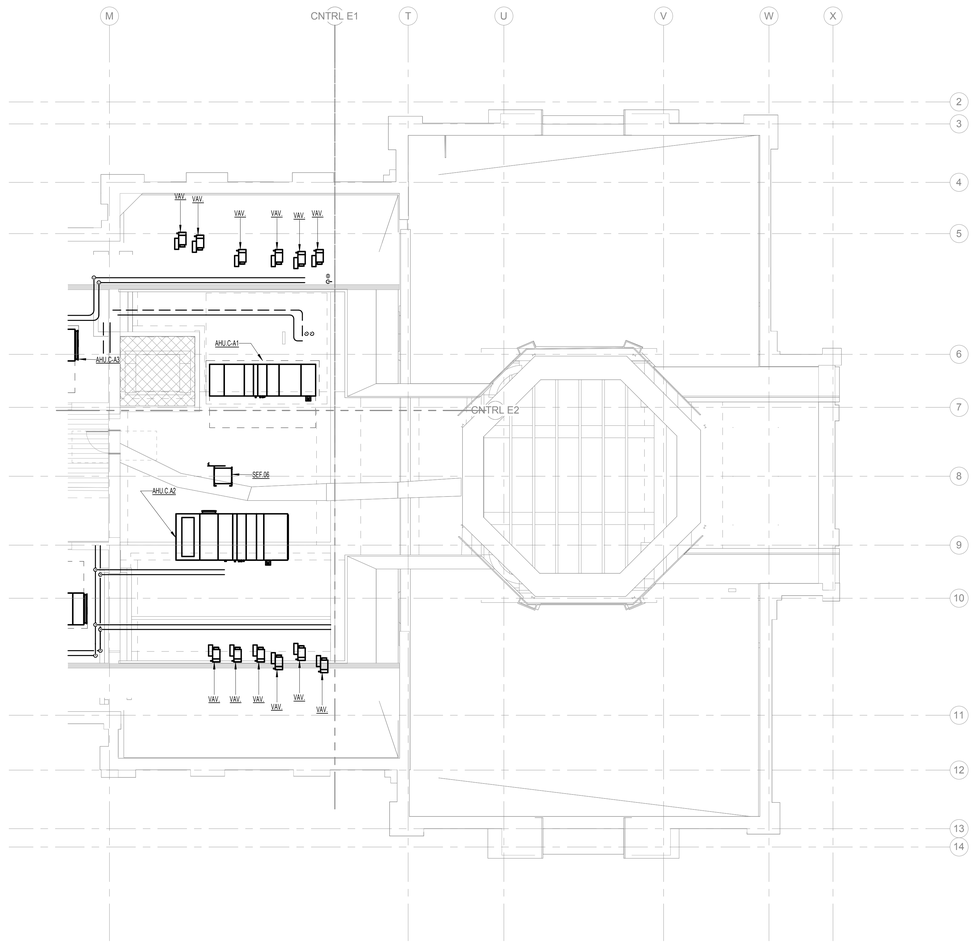
PROJECT NUMBER	203619
ORIGINAL ISSUE	- - -
PKG. IDENTIFIER	2

PROPOSED ATTIC 1 MECHANICAL PIPING PLAN CENTER

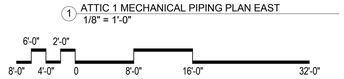
SCALE 1/8" = 1'-0"

2MP131

Schematic Design



1 ATTIC 1 MECHANICAL PIPING PLAN EAST
1/8" = 1'-0"

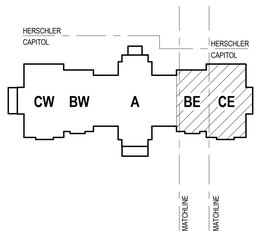


GENERAL NOTES

CONSTRUCTION NOTES

GRAPHIC LEGEND

KEY PLAN



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LORING CONSULTING ENGINEERS

PRELIMINARY
NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION
1	2014/12/19	SD OWNER REVIEW

PROJECT NUMBER	203619
ORIGINAL ISSUE	- - -
PKG. IDENTIFIER	2

PROPOSED ATTIC 1 MECHANICAL PIPING PLAN EAST

SCALE 1/8" = 1'-0"

2MP132

Schematic Design

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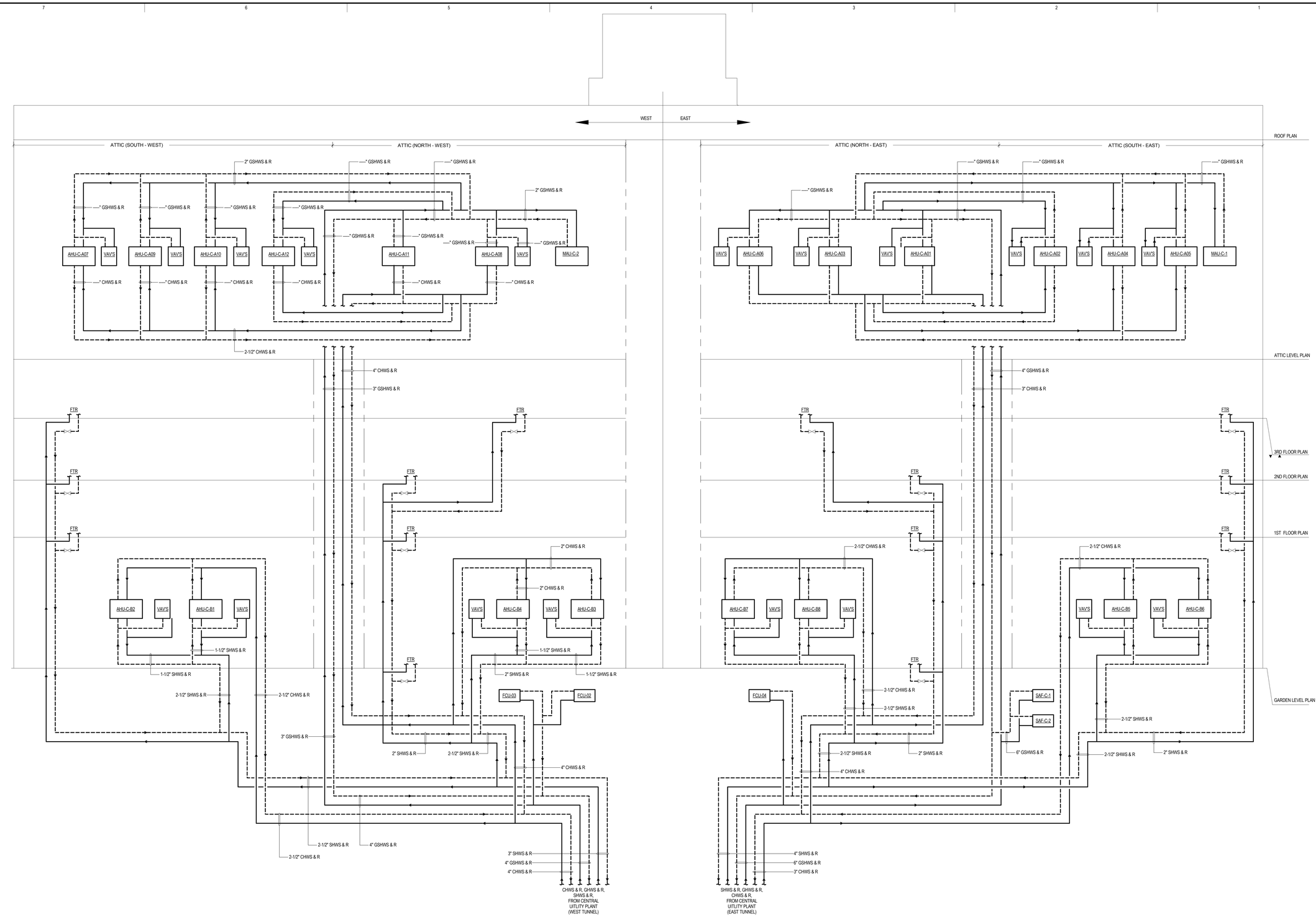

1 MECHANICAL PIPING RISER DIAGRAM
NOT TO SCALE

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PRELIMINARY
NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION
1	2014/12/19	SD OWNER REVIEW

PROJECT NUMBER	203619
ORIGINAL ISSUE	- -
PKG. IDENTIFIER	2

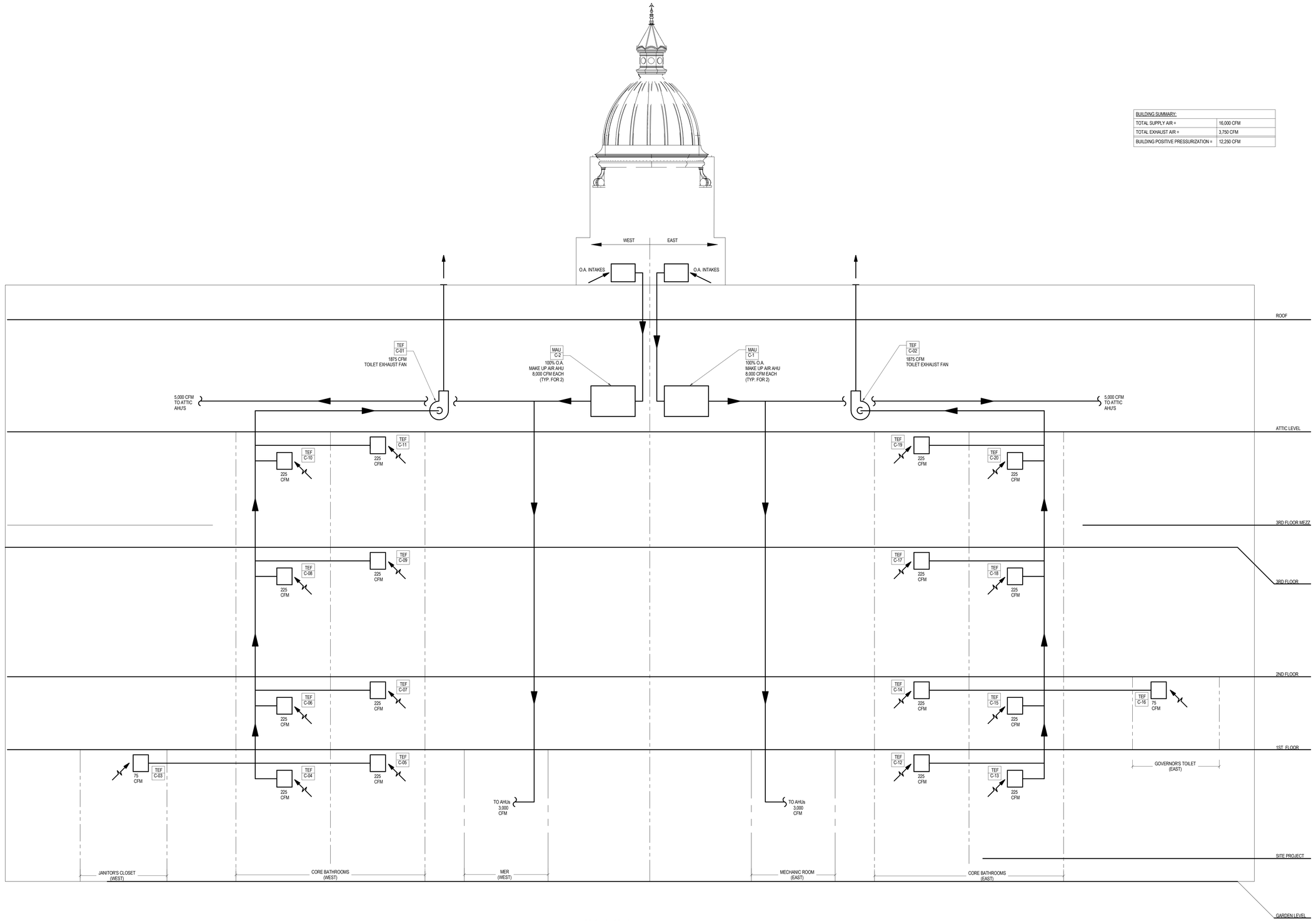
PROPOSED MECHANICAL PIPING RISER DIAGRAM

SCALE: NOT TO SCALE

2MX611

Schematic Design

BUILDING SUMMARY:	
TOTAL SUPPLY AIR =	16,000 CFM
TOTAL EXHAUST AIR =	3,750 CFM
BUILDING POSITIVE PRESSURIZATION =	12,250 CFM

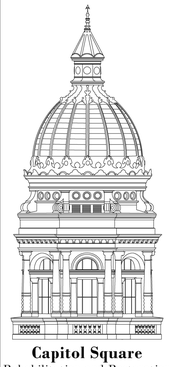


1 AIRFLOW DIAGRAM
NOT TO SCALE

1 AIRFLOW DIAGRAM
NOT TO SCALE

State of Wyoming

Administration & Information
Construction Management



Capitol Square
Rehabilitation and Restoration

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MARK	DATE	DESCRIPTION
1	2014/12/19	SD OWNER REVIEW

PROJECT NUMBER 203619
ORIGINAL ISSUE - -
PKG. IDENTIFIER 2

PROPOSED AIR FLOW DIAGRAM

SCALE NOT TO SCALE

2MX616

Schematic Design

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AIR HANDLING UNIT SCHEDULE

UNIT ID	MODEL NO.	SERVICE	LOCATION	TOTAL	MINIMUM	MIN OA	SUPPLY FAN ESP.	TSP	DRIVE			RETURN FAN				HEATING COIL								COOLING COIL								ELECTRICAL			
				CFM	CFM	CFM	IN W.G.	IN. W.G.		BHP	HP	ESP	TSP	BHP	HP	VFD	MAT	LAT	TOTAL	GPM	ROW	APD	WPD	OAT	OAT	MAT	MAT	TOTAL	SENS	EWT	LWT	GPM	LAT		ROW	APD	WPD	VOLTS	PH	HZ
																						IN WG	FT WG	DB	WB	DB	WB	MBH	MBH	DEG F	DEG F		DB	WB		IN WG	FT WG			
AHU-C-B1	MAHU-4052-2	SW MER	GARDEN LEVEL	5,000	2,000	630	2.0	4.08	DIRECT	4.28	5	1.5	1.62	1.71	2	YES	68.6	76.9	35.9	2.4	1	0.04	0.27	89	58	78.0	64.6	166.0	110.3	45	59	23.7	52.3	52.2	6	0.73	14.6	460	3	60
AHU-C-B2	MAHU-4052-2	SW MER	GARDEN LEVEL	4,400	1,760	550	2.0	3.64	DIRECT	3.39	5	1.5	1.62	1.71	2	YES	68.6	75	31.8	2.2	1	0.04	0.21	89	58	78.0	64.6	291.0	193.7	45	59	20.7	52.3	52.3	6	0.57	9.7	460	3	60
AHU-C-B3	MAHU-4052-2	NW MER	GARDEN LEVEL	4,700	1,880	600	2.0	3.84	DIRECT	3.84	5	1.5	1.62	1.83	2	YES	68.6	75	33.3	2.3	1	0.05	0.23	89	58	78.0	64.5	152.0	102.7	45	59	21.7	52.5	52.4	6	0.63	10.5	460	3	60
AHU-C-B4	MAHU-4052-2	NW MER	GARDEN LEVEL	5,300	2,120	750	2.0	4.31	DIRECT	4.31	5	1.5	1.62	2.2	3	YES	68.2	75	38.0	2.6	1	0.05	0.3	89	58	78.0	64.4	345.1	232.1	45	59	24.6	52.4	52.4	6	0.8	15.6	460	3	60
AHU-C-B5	MAHU-4052-2	SE MER	GARDEN LEVEL	5,300	2,120	700	2.0	4.31	DIRECT	4.31	5	1.5	1.62	2.2	3	YES	68.4	75	37.7	2.6	1	0.05	0.3	89	58	78.0	64.5	345.1	232.1	45	59	24.6	52.4	52.4	6	0.8	15.6	460	3	60
AHU-C-B6	MAHU-4052-2	SE MER	GARDEN LEVEL	5,200	2,080	700	2.0	4.25	DIRECT	4.65	5	1.5	1.62	2.17	3	YES	68.4	75	37.3	2.5	1	0.05	0.29	89	58	78.0	64.5	170.0	114.1	45	59	24.2	52.4	52.3	6	0.78	15.2	460	3	60
AHU-C-B7	MAHU-4052-2	NE MER	GARDEN LEVEL	5,100	2,040	650	2.0	4.18	DIRECT	4.48	5	1.5	1.62	2.12	3	YES	68.6	75	36.4	2.5	1	0.05	0.28	89	58	78.0	64.5	167.5	112.3	45	59	23.9	52.3	52.2	6	0.76	14.8	460	3	60
AHU-C-B8	MAHU-4052-2	NE MER	GARDEN LEVEL	4,400	1,760	600	2.0	3.64	DIRECT	3.39	5	1.5	1.62	1.71	2	YES	68.3	75	32.2	2.2	1	0.04	0.21	89	58	78.0	64.5	291.0	193.7	45	59	20.7	52.3	52.3	6	0.57	9.7	460	3	60
Sub- Totals																				**19.3**												**184.1**							
AHU-C-A1	MAHU-5276-2		ATTIC	9,700	3,880	1,400	2	3.94	DIRECT	8.04	10	1.5	1.62	4.23	5	YES	68.1	95	251.5	18.1	2	0.07	5.76	89	58	78.0	64.4	310.3	211.8	45	59	44.2	52.5	52.5	6	0.64	6.46	460	3	60
AHU-C-A2	MAHU-5252-2		ATTIC	7,100	2,840	800	2	4.4	DIRECT	6.63	7 1/2	1.5	1.62	3.1	5	YES	69.0	75	50.3	3.4	2	0.13	0.55	89	58	78.0	64.7	236.3	155.9	45	59	33.7	52.4	52.3	6	0.79	25.71	460	3	60
AHU-C-A3	MAHU-2852-2		ATTIC	3,600	1,440	650	2	4.48	DIRECT	3.64	7 1/2	--	--	--	--	YES	67.1	75	54.1	1.8	2	0.12	0.14	89	58	78.0	64.1	234.5	161.0	45	59	16.7	51.9	51.8	6	0.83	23.46	460	3	60
AHU-C-A4	MAHU-2852-2		ATTIC	2,600	1,040	500	2	3.33	DIRECT	2.32	3	--	--	--	--	YES	66.8	75	23.9	1.6	2	0.08	0.11	89	58	78.0	64.1	162.6	114.0	45	59	11.6	52.4	52.4	6	0.44	8.03	460	3	60
AHU-C-A5	MAHU-2852-2		ATTIC	3,100	1,240	420	2	3.91	DIRECT	3.1	5	--	--	--	--	YES	68.3	75	24.1	1.6	2	0.11	0.11	89	58	78.0	64.5	101.3	68.1	45	59	14.4	52.4	52.3	6	0.65	10.33	460	3	60
AHU-C-A6	MAHU-4052-2		ATTIC	5,100	2,040	850	2	4.27	DIRECT	4.59	5	--	--	--	--	YES	67.5	75	37.4	2.6	2	0.1	0.28	89	58	78.0	64.3	165.1	112.5	45	59	23.5	52.2	52.2	6	0.75	14.4	460	3	60
AHU-C-A7	MAHU-4052-2		ATTIC	4,700	1,880	800	2	3.89	DIRECT	3.87	5	--	--	--	--	YES	67.4	75	38.5	2.6	2	0.1	0.3	89	58	78.0	64.2	148.8	103.0	45	59	21.2	52.4	52.3	6	0.63	10.1	460	3	60
AHU-C-A8	MAHU-2852-2		ATTIC	3600	1,440	650	2	4.48	DIRECT	3.64	7 1/2	--	--	--	--	YES	67.1	75	54.1	1.8	2	0.12	0.14	89	58	78.0	64.1	234.5	161.0	45	59	16.7	51.9	51.8	6	0.83	23.46	460	3	60
AHU-C-A9	MAHU-2852-2		ATTIC	3,200	1,280	420	2	4	DIRECT	3.26	5	--	--	--	--	YES	68.5	75	24.1	1.6	2	0.11	0.11	89	58	78.0	64.5	103.8	70.0	45	59	14.8	52.5	52.4	6	0.68	10.8	460	3	60
AHU-C-A10	MAHU-2852-2		ATTIC	2,600	1,040	500	2	3.33	DIRECT	2.32	5	--	--	--	--	YES	66.8	75	23.9	1.6	2	0.08	0.11	89	58	78.0	64.1	162.6	114.0	45	59	11.6	52.4	52.4	6	0.44	8.03	460	3	60
AHU-C-A11	MAHU-5252-2		ATTIC	6,500	2,600	1,500	2	4.05	DIRECT	5.53	7 1/2	1.5	1.62	2.71	3	YES	65.8	95	176.6	12.7	2	0.11	4.05	89	58	78.0	63.8	216.8	143.0	45	59	30.9	52.3	52.3	6	0.7	16.8	460	3	60
AHU-C-A12	MAHU-5276-2		ATTIC	8,600	3,440	750	2	3.56	DIRECT	6.52	7 1/2	1.5	1.62	3.75	5	YES	69.6	75	52.7	3.7	2	0.08	0.6	89	58	78.0	64.8	276.3	188.3	45	59	39.4	52.4	52.4	6	0.5	5.22	460	3	60
MAU-C-1 (ERV)	MAHU-5252-2	MAKE UP AIR	ATTIC	8,000	3,000	100%	3	6.25	DIRECT	10.68	15	--	--	--	--	YES	7.5	67.1	466.0	33.5	3	0.28	5.17	89	58	--	--	--	--	--	--	--	--	--	--	--	--	--	--	460	3	60
MAU-C-2 (ERV)	MAHU-5252-2	MAKE UP AIR	ATTIC	8,000	3,000	100%	3	6.25	DIRECT	10.68	15	--	--	--	--	YES	-9	65	543456.0	38.4	3	0.22	4.7	89	58	--	--	--	--	--	--	--	--	--	--	--	--	--	--	460	3	60
SAF-1		SM. EXH. MAKEUP	GARDEN LEVEL	38,000		38,000	3	6.25	DIRECT	13.28	15					YES	-9	50	2058156.0	145.4	3	0.22	4.7																		
SAF-2		SM. EXH. MAKEUP	GARDEN LEVEL	38,000		38,000	3	6.25	DIRECT	13.28	15					YES	-9	50	2058156.0	145.4	3	0.22	4.7																		
Sub-Totals																				**415.9**												**####**							
																				435.2				BASED ON 89/58 OUTDOOR								**463**							

NOTES:

1.	Primary Specification Reference Section 23xxxx.	POWER TYPE
2.	Coils Shall be No Greater Than 6 Rows and 10 Fins Per Inch	E = EMERGENCY
3.	All Units Shall Be Complete With High Efficiency Motors Suitable For Variable Frequency Drive. Units Shall Be Complete With Disconnect Switch.	S = STAND BY
4.	Static Pressure Indicated Above Is The Total Static Pressure Which Includes Pressure Drop In Filter, Hot Water Coil, Chilled Water Coil And External Pressure Drop.	N = NORMAL
5.	Unit Will Comprise Of The Following Sections;	
	A. Mixing Box With 2" Thick Pleated Media Throw Away Type Angular Prefilters (30% Efficient - MERV 8)	
	B. 12" Thick Cartridge Filter Section (85% Efficient - MERV 13)	
	C. Hot Water Heating Coil Section	
	D. Access Section	
	E. Cooling Coil Section	
	F. Fan Section	
6.	Units Shall Be Of Double Wall Construction With Solid Innerliner. Units Shall Be Complete With Bottom Outlet Drains, Extended Grease Fittings, Access Doors, Etc.	
7.	Cooling Coil Capacities Based On 45 Deg F Entering Water Temperature And 59 Deg F Leaving Water Temperature.	
8.	Units Shall Be Supplied In Multiple Sections. Mechanical Contractor To Assemble Units At Site.	
9.	Maximum Air Velocity Through Cooling Coil Shall Not Exceed 550 FPM. Through Heating Coil Shall Not Exceed 650 FPM.	
10.	Maximum Water Pressure Drop In Heating Coil Shall Not Exceed 5 Ft. WG.	
11.	Heating Coil Capacities Based on 150 Deg F Entering Water (40% Propylene Glycol) Temperature and 120 Deg F Leaving Water Temperature (FOR ATTIC ONLY)	
11.	Heating Coil Capacities Based on 160 Deg F Entering Water Temperature and 130 Deg F Leaving Water Temperature	

FAN COIL UNIT SCHEDULE

BASIS OF DESIGN: JOHNSON CONTROLS

UNIT ID	AREA SERVED	MODEL NO.	SIZE	TOTAL AIRFLOW (CFM)	MINIMUM AIRFLOW (CFM)	E.S.P. IN. WG.	VENTILATION			CHILLED WATER COOLING COIL											HYDRONIC HEATING COIL							ELECTRICAL				WEIGHT	NOTES
							AIRFLOW (CFM)	DB (°F)	WB (°F)	TOTAL (MBH)	SENS (MBH)	TOTAL CAP (MBH. ACTUAL)	SENS CAP (MBH. ACTUAL)	EAT (DB) (°F)	EAT (WB) (°F)	LAT (DB) (°F)	LAT (WB) (°F)	EWT (°F)	LWT (°F)	A.P.D. (In. W.G.)	ROWS	CONTROL VALVE	FLOW (GPM)	TOTAL (MBH)	EAT (°F)	LAT (°F)	A.P.D. (In. W.G.)	ROWS	CONTROL VALVE	FLOW (GPM)	MOTOR QTY	MOTOR (HP)	VOLTAGE (V)	PHASE ( )	FREQ (HZ)		
FCU-C-01	Capitol 1st Flr South Entrance	FNP		500	300	0.75	0	65	54					75.0	63.0	55.0	48.0	45.0	59.0	0.3	3		4.0		65	100	0.1	2		4.0	0.5	0.5	460	3	60		1 THRU 3, 5 THRU 8
FCU-C-02	Capitol 1st Flr West Entrance	FNP		500	300									75.0	63.0	55.0	48.0	45.0	59.0	0.3	3		4.0		65	100	0.1	2			0.5	0.5	460	3	60		1 THRU 3, 5 THRU 8
FCU-C-03	Capitol 1st Flr North	FNP		400	200									75.0	63.0	55.0	48.0	45.0	59.0	0.3	3		3.0		65	100	0.1	2			0.5	0.5	460	3	60		1 THRU 3, 5 THRU 8
FCU-C-04	Capitol 1st Flr North	FNP		400	200									75.0	63.0	55.0	48.0	45.0	59.0	0.3	3		3.0		65	100	0.1	2			0.5	0.5	460	3	60		1 THRU 3, 5 THRU 8
FCU-C-05	Capitol Telecomm & Elect Closet West	FNP		2,000	2,000									75.0	63.0	55.0	48.0	45.0	59.0	0.3	3		5.0		65	100	0.1	2			1	1	460	3	60		1 THRU 3, 5 THRU 8
FCU-C-06	Capitol Telecomm & Elect Closet East	FNP		2,000	2,000									75.0	63.0	55.0	48.0	45.0	59.0	0.3	3		5.0		65	100	0.1	2			1	1	460	3	60		1 THRU 3, 5 THRU 8
FCU-C-07	Capitol Attic	AVI		2,000	2,000									85.0	65.0	59.0	55.0	45.0	59.0	0.3	3		6.5		55	95	0.1	2			1	1	460	3	60		1 THRU 3, 5 THRU 8
FCU-C-08	Capitol Attic	AVI		2,000	2,000									85.0	65.0	59.0	55.0	45.0	59.0	0.3	3		6.5		55	95	0.1	2			1	1	460	3	60		1 THRU 3, 5 THRU 8
FCU-C-09	Capitol Attic	AVI		2,000	2,000									85.0	65.0	59.0	55.0	45.0	59.0	0.3	3		6.5		55	95	0.1	2			1	1	460	3	60		1 THRU 2, 4 THRU 8
FCU-C-10	Capitol Attic	AVI		2,000	2,000									85.0	65.0	59.0	55.0	45.0	59.0	0.3	3		6.5		55	95	0.1	2			1	1	460	3	60		1 THRU 2, 4 THRU 8
FCU-C-11	Capitol Attic	AVI		2,000	2,000									85.0	65.0	59.0	55.0	45.0	59.0	0.3	3		6.5		55	95	0.1	2			1	1	460	3	60		1 THRU 2, 4 THRU 8
FCU-C-12	Capitol Attic	AVI		2,000	2,000									85.0	65.0	59.0	55.0	45.0	59.0	0.3	3		6.5		55	95	0.1	2			1	1	460	3	60		1 THRU 2, 4 THRU 8
FCU-C-13	Capitol Attic	AVI		2,000	2,000									85.0	65.0	59.0	55.0	45.0	59.0	0.3	3		6.5		55	95	0.1	2			1	1	460	3	60		1 THRU 2, 4 THRU 8
FCU-C-14	Capitol Attic	AVI		2,000	2,000									85.0	65.0	59.0	55.0	45.0	59.0	0.3	3		6.5		55	95	0.1	2			1	1	460	3	60		1 THRU 2, 4 THRU 8
FCU-C-15	Capitol Attic	AVI		2,000	2,000									85.0	65.0	59.0	55.0	45.0	59.0	0.3	3		6.5		55	95	0.1	2			1	1	460	3	60		1 THRU 2, 4 THRU 8
FCU-C-16	Capitol Attic	AVI		2,000	2,000									85.0	65.0	59.0	55.0	45.0	59.0	0.3	3		6.5		55	95	0.1	2			1	1	460	3	60		1 THRU 2, 4 THRU 8

NOTES:

1.	Primary Specification Reference Section 238219.
2.	Hot Water - 160 Deg. F EWT, 120 Deg. F LWT, Chilled Water - 45 Deg. F EWT, 59 Deg. F LWT.
3.	Space Temperature: 75 Deg. F For All Spaces
4.	Space Temperature: 85 Deg. F For Cooling And 65 Deg. F For Heating
5.	All Fan Coil Unit Motors to Be ECM Type (Variable Speed Capable) Except For 'Model AHI And AVI Fan Coil Units. These Units Shall ALL Be Single Zone VAV Systems And Be Controlled As Such.
6.	All Heatng Coils Arre To Be Placed In the Reheat Position
7.	All Units Are To Be Controlled By The Energy Management System (DDC System).
8.	All CHW And HW Control Valves Are To Be 2-Way Unless Scheduled Above.

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LORING CONSULTING ENGINEERS

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MARK	DATE	DESCRIPTION
1	2014/12/19	SD OWNER REVIEW

PROJECT NUMBER 203619
ORIGINAL ISSUE - - -
PKG. IDENTIFIER 2

PROPOSED MECHANICAL SCHEDULES

SCALE NOT TO SCALE

2MX631

Schematic Design

FAN SCHEDULE

BASIS OF DESIGN: COOK

UNIT ID	MODEL NO.	TYPE	DRIVE	AIRFLOW		FAN	S.P.	MOTOR				VFD	POWER	SERVICE	LOCATION	INTERLOCK	WEIGHT	ACCESSORIES	NOTES
				MAX	MIN	SPEED	(IN. W.G.)	POWER	VOLTAGE	PHASE	FREQ		TYPE						
				(CFM)	(CFM)	(RPM)		(HP)	(V)	(Ø)	(HZ)						(LBS)		
SEF-C-01	270QMXDHP17	IN-LINE MIXED FLOW	DIRECT	20,000	20,000	1,760	2	15	460	3	60	YES	E	SMOKE EXHAUST	ATTIC			1 THRU 4	1,2, 4 THRU 6
SEF-C-02	270QMXDHP17	IN-LINE MIXED FLOW	DIRECT	20,000	20,000	1,760	2	15	460	3	60	YES	E	SMOKE EXHAUST	ATTIC			1 THRU 4	1,2, 4 THRU 6
SEF-C-03	270QMXDHP17	IN-LINE MIXED FLOW	DIRECT	20,000	20,000	1,760	2	15	460	3	60	YES	E	SMOKE EXHAUST	ATTIC			1 THRU 4	1,2, 4 THRU 6
SEF-C-04	270QMXDHP17	IN-LINE MIXED FLOW	DIRECT	20,000	20,000	1,760	2	15	460	3	60	YES	E	SMOKE EXHAUST	ATTIC			1 THRU 4	1,2, 4 THRU 6
SEF-C-05	180QMXDHP17	IN-LINE MIXED FLOW	DIRECT	5,000	5,000	1,672	2	5	460	3	60	YES	E	SMOKE EXHAUST	ATTIC			1 THRU 4	1,2, 4 THRU 6
SEF-C-06	180QMXDHP17	IN-LINE MIXED FLOW	DIRECT	5,000	5,000	1,672	2	5	460	3	60	YES	E	SMOKE EXHAUST	ATTIC			1 THRU 4	1,2, 4 THRU 6
TEF-C-01	150 CPS-A	UTILITY	BELT	1,875	1,875	1,531	1.2	0.75	460	3	60	NO	S	TOILET EXHAUST	ATTIC		297	1 THRU 5	1 THRU 4
TEF-C-02	150 CPS-A	UTILITY	BELT	1,875	1,875	1,531	1.2	0.75	460	3	60	NO	S	TOILET EXHAUST	ATTIC		297	1 THRU 5	1 THRU 4
TEF-C-03	GC-124	GENERAL EXHAUST	DIRECT	75	75	900	0.2	49 W	120	1	60	NO	S	JANITOR CLOSET EXH.	J.C. CEILING		13	1	1,2,7
TEF-C-04	GC-520	GENERAL EXHAUST	DIRECT	225	225	885	0.2	81 W	120	1	60	NO	S	TOILET EXHAUST	TOILET CEILING	TEF-C-01	32	1	1,2,7
TEF-C-05	GC-520	GENERAL EXHAUST	DIRECT	225	225	885	0.2	81 W	120	1	60	NO	S	TOILET EXHAUST	TOILET CEILING	TEF-C-01	32	1	1,2,7
TEF-C-06	GC-520	GENERAL EXHAUST	DIRECT	225	225	885	0.2	81 W	120	1	60	NO	S	TOILET EXHAUST	TOILET CEILING	TEF-C-01	32	1	1,2,7
TEF-C-07	GC-520	GENERAL EXHAUST	DIRECT	225	225	885	0.2	81 W	120	1	60	NO	S	TOILET EXHAUST	TOILET CEILING	TEF-C-01	32	1	1,2,7
TEF-C-08	GC-520	GENERAL EXHAUST	DIRECT	225	225	885	0.2	81 W	120	1	60	NO	S	TOILET EXHAUST	TOILET CEILING	TEF-C-01	32	1	1,2,7
TEF-C-09	GC-520	GENERAL EXHAUST	DIRECT	225	225	885	0.2	81 W	120	1	60	NO	S	TOILET EXHAUST	TOILET CEILING	TEF-C-01	32	1	1,2,7
TEF-C-10	GC-520	GENERAL EXHAUST	DIRECT	225	225	885	0.2	81 W	120	1	60	NO	S	TOILET EXHAUST	TOILET CEILING	TEF-C-01	32	1	1,2,7
TEF-C-11	GC-520	GENERAL EXHAUST	DIRECT	225	225	885	0.2	81 W	120	1	60	NO	S	TOILET EXHAUST	TOILET CEILING	TEF-C-01	32	1	1,2,7
TEF-C-12	GC-520	GENERAL EXHAUST	DIRECT	225	225	885	0.2	81 W	120	1	60	NO	S	TOILET EXHAUST	TOILET CEILING	TEF-C-02	32	1	1,2,7
TEF-C-13	GC-520	GENERAL EXHAUST	DIRECT	225	225	885	0.2	81 W	120	1	60	NO	S	TOILET EXHAUST	TOILET CEILING	TEF-C-02	32	1	1,2,7
TEF-C-14	GC-520	GENERAL EXHAUST	DIRECT	225	225	885	0.2	81 W	120	1	60	NO	S	TOILET EXHAUST	TOILET CEILING	TEF-C-02	32	1	1,2,7
TEF-C-15	GC-520	GENERAL EXHAUST	DIRECT	225	225	885	0.2	81 W	120	1	60	NO	S	TOILET EXHAUST	TOILET CEILING	TEF-C-02	32	1	1,2,7
TEF-C-16	GC-124	GENERAL EXHAUST	DIRECT	75	75	900	0.2	49 W	120	1	60	NO	S	GOVERNOR's TOILET	TOILET CEILING	TEF-C-02	13	1	1,2,7
TEF-C-16	GC-520	GENERAL EXHAUST	DIRECT	225	225	885	0.2	81 W	120	1	60	NO	S	TOILET EXHAUST	TOILET CEILING	TEF-C-02	32	1	1,2,7
TEF-C-17	GC-520	GENERAL EXHAUST	DIRECT	225	225	885	0.2	81 W	120	1	60	NO	S	TOILET EXHAUST	TOILET CEILING	TEF-C-02	32	1	1,2,7
TEF-C-18	GC-520	GENERAL EXHAUST	DIRECT	225	225	885	0.2	81 W	120	1	60	NO	S	TOILET EXHAUST	TOILET CEILING	TEF-C-02	32	1	1,2,7
TEF-C-19	GC-520	GENERAL EXHAUST	DIRECT	225	225	885	0.2	81 W	120	1	60	NO	S	TOILET EXHAUST	TOILET CEILING	TEF-C-02	32	1	1,2,7
TEF-C-20	GC-520	GENERAL EXHAUST	DIRECT	225	225	885	0.2	81 W	120	1	60	NO	S	TOILET EXHAUST	TOILET CEILING	TEF-C-02	32	1	1,2,7
SAF-C-01	270QMXDHP17	IN-LINE MIXED FLOW	DIRECT	20,000	20,000	1,760	2	15	460	3	60	YES	E	MAKE UP AIR FAN	GARDEN LEVEL			1 THRU 4	1,2, 4 THRU 6
SAF-C-02	270QMXDHP17	IN-LINE MIXED FLOW	DIRECT	20,000	20,000	1,760	2	15	460	3	60	YES	E	MAKE UP AIR FAN	GARDEN LEVEL			1 THRU 4	1,2, 4 THRU 6
SAF-C-03	270QMXDHP17	IN-LINE MIXED FLOW	DIRECT	20,000	20,000	1,760	2	15	460	3	60	YES	E	MAKE UP AIR FAN	GARDEN LEVEL			1 THRU 4	1,2, 4 THRU 6
SAF-C-04	270QMXDHP17	IN-LINE MIXED FLOW	DIRECT	20,000	20,000	1,760	2	15	460	3	60	YES	E	MAKE UP AIR FAN	GARDEN LEVEL			1 THRU 4	1,2, 4 THRU 6

NOTES:

1. Primary Specification Reference Section 23XXXX.
2. All Motors Under 1/2 HP Shall Be 120V, 1 Phase. All Motors 1/2 HP And Over Shall Be 460V, 3 Phase.
3. All Belt Driven Fans Shall Have Adjustable Sheave / Variable Pitch Motor Pulleys.
4. Motors Shall Be Premium Efficiency.
5. Not Used
6. For All Direct Drive Fans With VFD's No VFD Bypass Will Be Permitted.
7. With Speed Control Switch Attached to Unit Above the Ceiling

LEGEND:

TEF = Toilet Exhaust Fan
GEF = General Exhaust Fan
REF = Return Exhaust Fan
SEF = Smoke Exhaust Fan
POWER TYPE
E = EMERGENCY
S = STAND BY
N = NORMAL

ACCESSORIES:

1. Disconnect Switch
2. Extended Lube Lines
3. Lifting Lugs
4. Fan Access Door
5. Motor And Belt Guard

HYDRONIC FINTUBE RADIATION SCHEDULE

(PRIMARY SPEC REF. NO. 238216)

UNIT ID	MODEL NO.	HEATING CAPACITY	EWT	LWT	FIN SIZE	TIERS OF TUBES	DENSITY	ELEMENT LENGTH	TUBE SIZE	ENCLOSURE HEIGHT	MOUNTING HEIGHT	NOTES
		(BTU/FT)	(°F)	(°F)	(IN)	(QUANTITY)	(FINS / FT)	(FT-IN)	(IN)	(IN.)	(IN.)	
FTR-C-1	VC 3/4	980	170	150	4-1/4" x 3-5/8"	ONE	50	REFER TO DRAWINGS	3/4"	ARCH. ENCL. TBD	4	1 THRU 8

NOTES:

1. Selection Based On Equipment Manufactured By Vulcan.
2. All Elements Shall Be Copper Tube With 0.020" Thick Aluminum Fins, Number And Size As Specified Above.
3. Enclosure Shall Be Minimum 20 Gauge Steel. Finish And Color Shall Be As Selected By Architect.
4. Enclosures Shall Have Combination Vane-Dampers And Access Doors At All Valve Locations.
5. All Selections Shall Be IBR Approved.
6. Contractor Shall Be Responsible For All Enclosure Accessories (End Covers, Return Pipe Hangers)
7. Mounting Height Shall Be As Per Manufacturer's Recommendations.
8. Wall Mounted.

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LORING CONSULTING ENGINEERS

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PROPOSED MECHANICAL SCHEDULES

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Schematic Design

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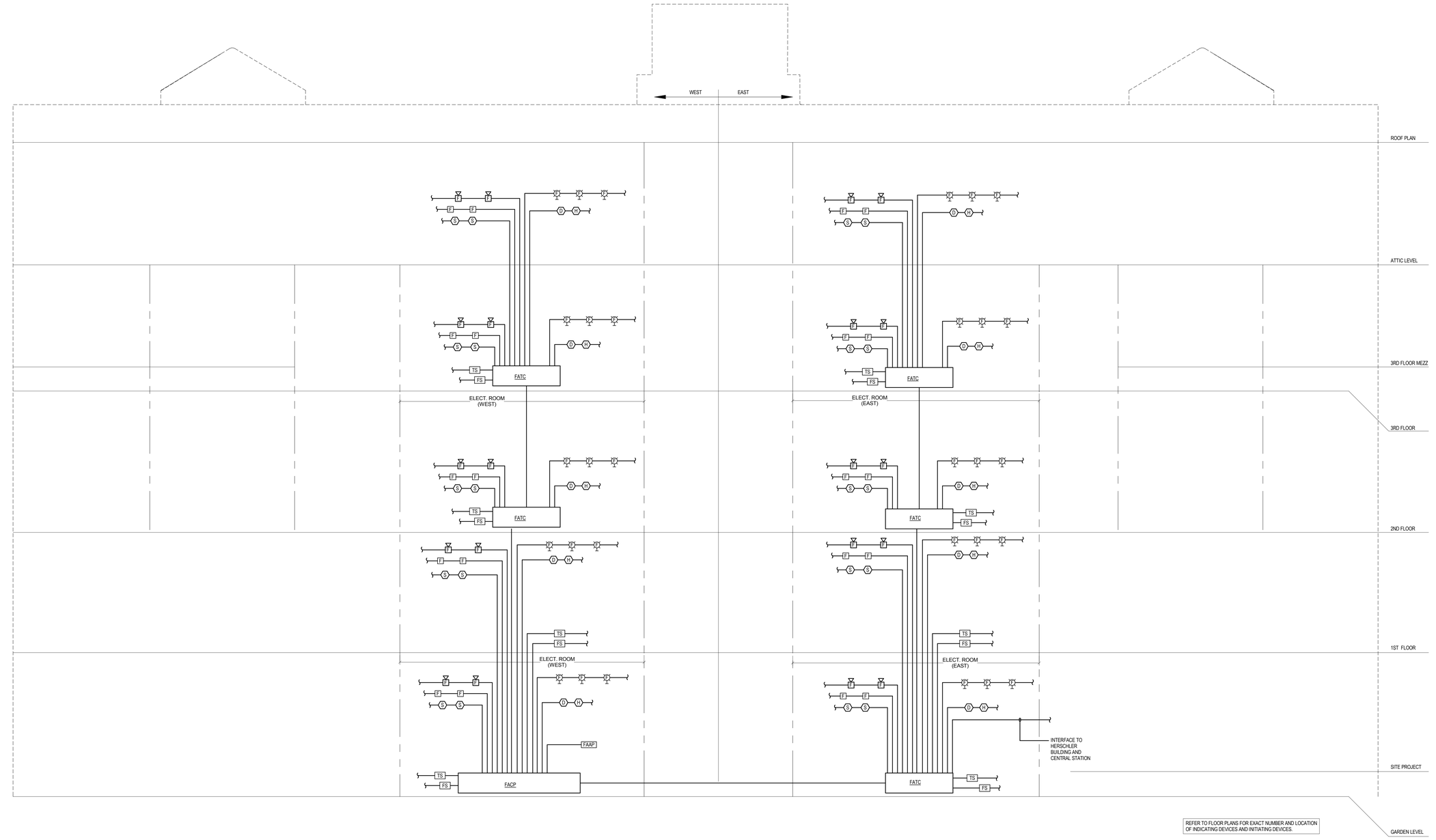

1 FIRE ALARM RISER DIAGRAM
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PROPOSED FIRE ALARM RISER DIAGRAM

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2FX611

Schematic Design

PLUMBING SYMBOLS

SAN	SOIL PIPING ABOVE GRADE
SAN	SOIL PIPING BELOW GRADE
W	WASTE PIPING ABOVE GRADE
W	WASTE PIPING BELOW GRADE
ST	STORM PIPING ABOVE GRADE
ST	STORM PIPING BELOW GRADE
	VENT PIPING
	COLD WATER PIPING
105°	HOT WATER (105 F) PIPING
105°	HOT WATER CIRCULATION (105 F) PIPING
G	GAS PIPING
F	FIRE SERVICE PIPING ABOVE GRADE
FDC	FIRE DEPARTMENT CONNECTION
SFM	SANITARY FORCE MAIN
	FLOW IN DIRECTION OF ARROW
	HEAT TRACING
	PIPING TO BE DEMOLISHED OR REMOVED
	EQUIPMENT TO BE DEMOLISHED OR REMOVED
TS	OS & Y GATE VALVE W/TAMPER SWITCH
M	MOTORIZED CONTROL VALVE
	GATE VALVE
	CHECK VALVE
	GATE VALVE & DRAIN BIBB
	GLOBE VALVE
	BALL VALVE
	BALANCING VALVE
	PLUG VALVE
	REDUCED PRESSURE ZONE BACKFLOW PREVENTER
	THREE WAY MIXING VALVE
	DOUBLE DETECTOR CHECK VALVE BACKFLOW PREVENTER
	FLOOR DRAIN ; FD
	ROOF DRAIN ;RD
	RECESSED BOX HOSE BIBB OR WALL
	HYDRANT
	COMPOUND TYPE WATER METER
	FLOW-IN DIRECTION OF ARROW
	GAS PIPE ROOF SUPPORT
	LINE BREAK
	THERMOMETER
	PRESSURE GAUGE WITH GAUGE COCK
	VALVE ON RISE
	PIPE SLEEVE
F	FILTER
	PIPE UP&DN
	PIPE DROP
	GAS VALVE
	TRAP
	NON-FREEZE WALL HYDRANT
	UNION
	HOSE BIBB W/VACUUM BREAKER
	DRAIN BIBB
	BALANCING VALVE ; BV
	PRESSURE RELIEF VALVE ; PRV
	THERMOSTATIC MIXING VALVE
	GAS PRESSURE REGULATOR
	CLEAN OUT ;CO
	WALL CLEAN OUT ;WCO
	CAP OR PLUG
	STRAINER
	REDUCER/INCREASER
	FLOOR CLEANOUT
	WATER HAMMER ARRESTOR ;WHA
SAN / CW	PLUMBING RISER NO.
G	GAS RISER NO.
ST	LEADER NO.
# / #	CALLOUT

NOTE: NOT ALL SYMBOLS INDICATED ARE WITHIN THE SCOPE OF WORK

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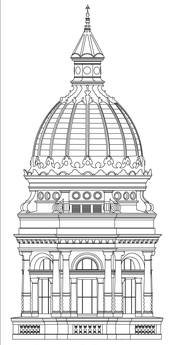

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Rehabilitation and Restoration

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PLUMBING SYMBOL LIST

SCALE: NOT TO SCALE

2PI001

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PLUMBING AND DRAINAGE ABBREVIATIONS

AC	AIR CHAMBER
AD	AREA DRAIN
AFF	ABOVE FINISHED FLOOR
AP	ACCESS PANEL
BF	BARRIER FREE
BFP	BACK FLOW PREVENTER
BOT	BOTTOM
BR VENT	BRANCH VENT
BV	BALANCING VALVE
CAB	CABINET
CB	CATCH BASIN
CFS	CUBIC FEET/SECOND
CI	CAST IRON
CK VA	CHECK VALVE
CL OR C	CENTER LINE
CLG	CEILING
CO	CLEANOUT
CODP	CLEANOUT DECK PLATE
COL	COLUMN
CONC	CONCRETE
CONN	CONNECTION
CONT	CONTINUED
CR	CLASSROOM
CR PL	CHROME PLATED
CU FT	CUBIC FEET
CV	CONTROL VALVE
CVB	CURB VALVE & BOX
CW	COLD WATER
DCV	DOUBLE CHECK VALVE
DDCV	DOUBLE DETECTOR CHECK VALVE
DET	DETAIL
DF	DRINKING FOUNTAIN
DIA	DIAMETER
DIP	DUCTILE IRON PIPE
DN	PIPE DOWN THRU FLOOR
DR	DRAIN
DROP	PIPE DROPPING BETWEEN FLOORS
DWG	DRAWING
EEW	EMERGENCY EYE WASH
EL	ELEVATION
ELEC	ELECTRIC
EXIST	EXISTING
EXP	EXPOSED
F	FALL(IN./FT)
FAI	FRESH AIR INLET
FCO	FLOOR CLEANOUT
FD	FLOOR DRAIN
FDC	FIRE DEPARTMENT CONNECTION
FIN FL	FINISHED FLOOR
FL	FLOOR
FS	FLOOR SINK
FU	FIXTURE UNIT
FV	FLUSH VALVE
G	GAS
GA	GAUGE
GAL	GALLON
GALV	GALVANIZED
GC	GENERAL CONTRACTOR
GI	GREASE INTERCEPTOR
GPH	GALLON PER HOUR
GPM	GALLON PER MINUTE
GV	GATE VALVE
HB	HOSE BIBB
HC	HUNG CEILING
HDR	HEADER
HP	HIGH PRESSURE
HVAC	HEATING, VENTILATION & AIR CONDITIONING
HW	HOT WATER
HWC	HOT WATER CIRCULATION
HWR	HOT WATER RETURN
IW	INDIRECT WASTE
INS	INSULATION
I.E.	INVERT ELEVATION
IPS	IRON PIPE SIZE
JC	JANITORS CLOSET
JS	JANITORS SINK
LDR	LEADER
LAV	LAVATORY
LG	LEGAL GRADE ELEVATION
LP	LOW PRESSURE
LSV	LOCK SHIELD VALVE
MAX	MAXIMUM
MGCV	MASTER GAS CONTROL VALVE
MICV	METER INLET CONTROL VALVE
MH	MANHOLE
MIN	MINIMUM
MOCV	METER OUTLET CONTROL VALVE
MS	MOP SINK
NC	NEW CONNECTION
NFWH	NON FREEZE WALL HYDRANT
NIC	NOT IN CONTRACT
NPS	NOMINAL PIPE SIZE
NTS	NOT TO SCALE
OS&Y	OUTSIDE SCREW & YOKE
PD	PUMP DISCHARGE
P&D	PLUMBING AND DRAINAGE
PG	PRESSURE GAUGE
PRESS	PRESSURE
PRV	PRESSURE RELIEF VALVE
PS	PRESSURE SWITCH
PTR	PRESSURE TEMPERATURE RELIEF
R	RISER
RD	ROOF DRAIN
RED	REDUCER
REF	REFRIGERATOR
RISE	PIPE RISING BETWEEN FLOORS
RM	ROOM
RPZ	REDUCED PRESSURE ZONE BACKFLOW PREVENTER
R T	RUNNING TRAP
RTU	ROOF TOP UNIT
RV	RELIEF VENT
RWC	RAIN WATER CONDUCTOR
S	SOIL
SAN	SANITARY
SD	STORM DRAIN
SH	SHOWER
SH DR	SHOWER DRAIN
SH HD	SHOWER HEAD
SK	SINK
SLV	SLEEVE
SOAP VA	SOAP VALVE
SP	STANDPIPE
SPEC	SPECIFICATIONS
SQ FT	SQUARE FEET
SS	SERVICE SINK
S/S	STAINLESS STEEL
ST	STORM
STD	STANDARD
STR	STRAINER
TH	THERMOMETER
TMV	THERMOSTATIC MIXING VALVE
TS	TAMPER SWITCH
TW	TEMPERED WATER
TYP	TYPICAL
UP	PIPE RISING THRU FLOOR
UR	URINAL
V	VENT
VA	VALVE
VB	VACUUM BREAKER
VTR	VENT THRU ROOF
W	WASTE
W/	WITH
WC	WATER CLOSET
WCO	WALL CLEANOUT
WH	WALL HUNG
WHA	WATER HAMMER ARRESTER
WHYD	WALL HYDRANT
WOCO	WALL OUTLET CLEANOUT
WSP	WET SPRINKLER PIPE
XH	EXTRA HEAVY
XHCI	EXTRA HEAVY CAST IRON

NOTE: NOT ALL ABBREVIATIONS INDICATED ARE WITHIN THE SCOPE OF WORK

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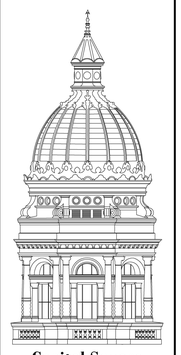

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PLUMBING ABBREVIATIONS & NOTES

SCALE: NOT TO SCALE

2PI002

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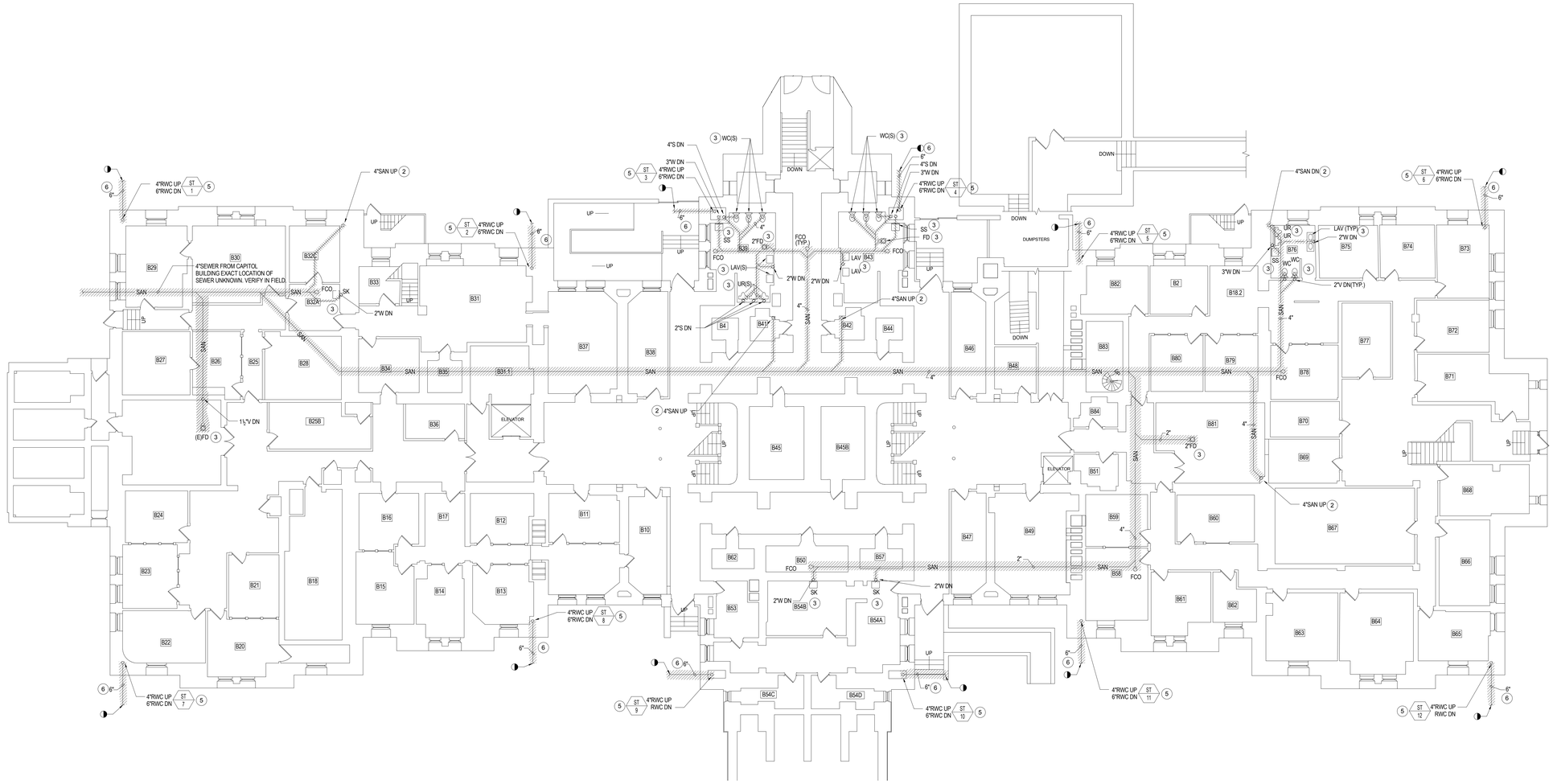


1 SELECTIVE REMOVAL FOUNDATION PLUMBING PLAN
1" = 10'-0"

7'-6" 2'-6"
10'-0" 5'-0" 0 10'-0" 20'-0" 40'-0"

GENERAL NOTES

1. ALL EXISTING PLUMBING FIXTURE, PIPING VALVES AND ACCESSORIES SHALL BE REMOVED THROUGHOUT THE ENTIRE BUILDING.
2. EXISTING PLUMBING PIPING SHOWN REPRESENT ASSUMED PIPE SYSTEMS AND ROUTING BASED UPON EXISTING FIXTURE LOCATIONS ONLY. EXISTING PIPING IS CONCEALED, THEREFORE REMOVAL SCOPE IDENTIFIED IN NOTE #1 SHALL NOT BE LIMITED TO EXISTING CONDITION SHOWN.
3. EXISTING PIPING BELOW THE SLAB IS APPROXIMATE BASED ON HISTORICAL DATA AND FIELD CONDITIONS. CONTRACTOR TO VERIFY.

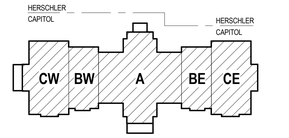
CONSTRUCTION NOTES

(#)

NUMBER	KEYNOTE
1.	DEMOLISH EXISTING COLD, HOT AND HOT WATER RETURN WATER RISERS, MAINS AND BRANCH PIPING.
2.	DEMOLISH EXISTING SANITARY, WASTE AND VENT STACKS, MAINS AND BRANCH PIPING.
3.	DEMOLISH FIXTURE COMPLETE, INCLUDING ALL SUPPORTS, FLUSHOMETERS, FAUCETS, AND SPECIALTIES. DEMOLISH ALL CONNECTED WASTE, VENT AND WATER PIPING.
4.	DEMOLISH EXISTING ROOF DRAIN.
5.	DEMOLISH EXISTING 4" RAINWATER CONDUCTOR.
6.	DEMOLISH EXISTING 6" RAINWATER CONNECTOR UP TO 5'-0" BEYOND EXTERIOR WALL.
7.	DEMOLISH EXISTING 3" AREA DRAIN AND ASSOCIATED PIPING.
8.	DEMOLISH EXISTING 6" FIRE WATER SERVICE AND ISOLATION VALVE WITH TAMPER SWITCH AND DOUBLE CHECK VALVE ASSEMBLY.
9.	DISCONNECT AND REMOVE EXISTING FIRE DEPARTMENT CONNECTION AND ASSOCIATED PIPING.

GRAPHIC LEGEND

KEY PLAN



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SELECTIVE REMOVAL FOUNDATION PLUMBING PLAN

SCALE As indicated

2PD100A

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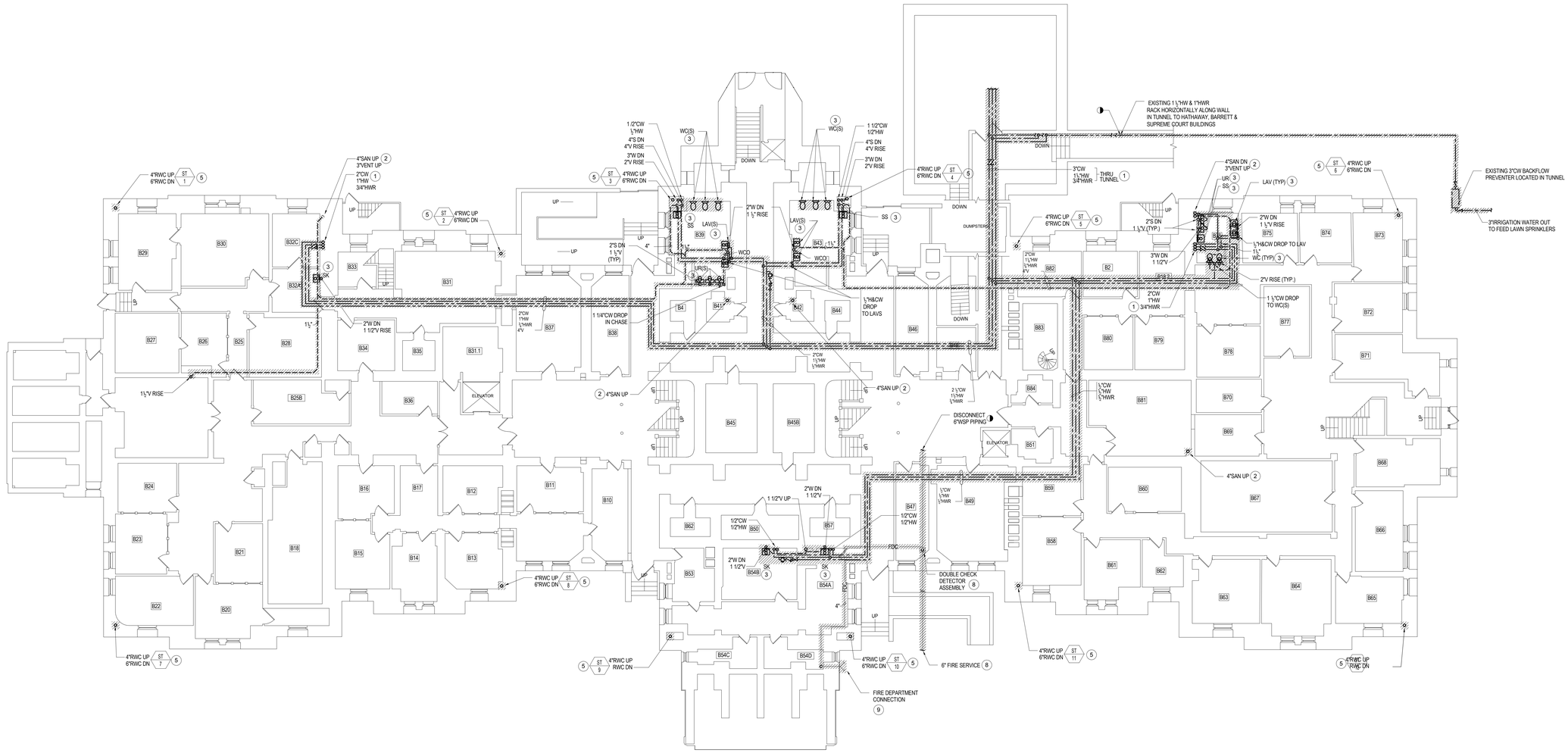

1 SELECTIVE REMOVAL GARDEN LEVEL PLUMBING PLAN
1" = 10'-0"

7'-6" 2'-6"
10'-0" 5'-0" 0 10'-0" 20'-0" 40'-0"

GENERAL NOTES

1. ALL EXISTING PLUMBING FIXTURE, PIPING VALVES AND ACCESSORIES SHALL BE REMOVED THROUGHOUT THE ENTIRE BUILDING.
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CONSTRUCTION NOTES

# NUMBER	KEYNOTE
1.	DEMOLISH EXISTING COLD, HOT AND HOT WATER RETURN WATER RISERS, MAINS AND BRANCH PIPING.
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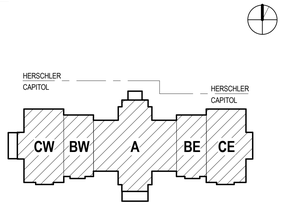
4.	DEMOLISH EXISTING ROOF DRAIN.
5.	DEMOLISH EXISTING 4" RAINWATER CONDUCTOR.
6.	DEMOLISH EXISTING 6" RAINWATER CONNECTOR UP TO 5'-0" BEYOND EXTERIOR WALL.
7.	DEMOLISH EXISTING 3" AREA DRAIN AND ASSOCIATED PIPING.
8.	DEMOLISH EXISTING 6" FIRE WATER SERVICE AND ISOLATION VALVE WITH TAMPER SWITCH AND DOUBLE CHECK VALVE ASSEMBLY.
9.	DISCONNECT AND REMOVE EXISTING FIRE DEPARTMENT CONNECTION AND ASSOCIATED PIPING.

GRAPHIC LEGEND

KEY PLAN



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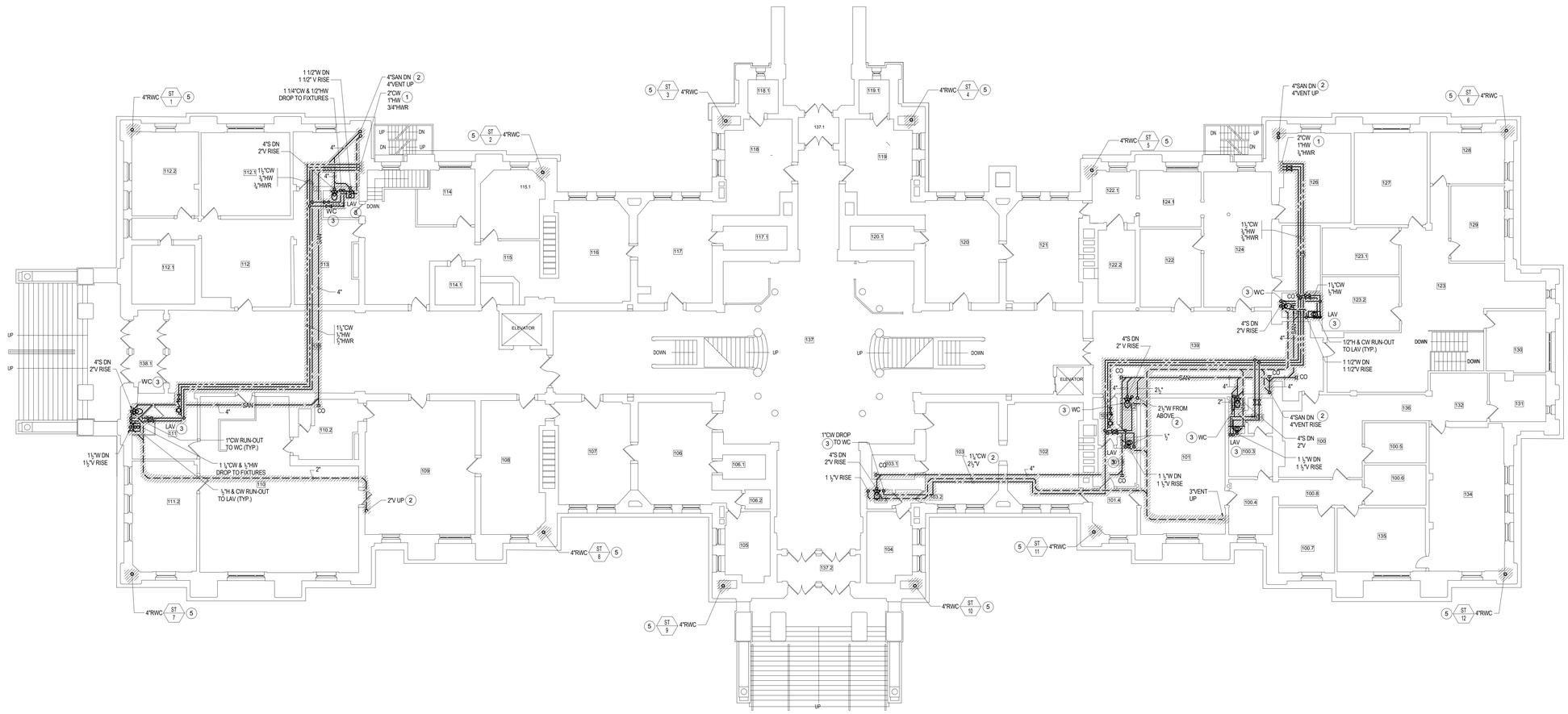
SELECTIVE REMOVAL GARDEN LEVEL PLUMBING PLAN

SCALE: As indicated

2PD100B

Schematic Design



1 SELECTIVE REMOVAL FIRST FLOOR PLUMBING PLAN
1" = 10'-0"

7'-6" 2'-6"
10'-0" 5'-0" 0 10'-0" 20'-0" 40'-0"

GENERAL NOTES

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CONSTRUCTION NOTES

(#)

NUMBER	KEYNOTE
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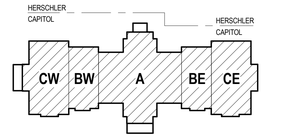
9.	DISCONNECT AND REMOVE EXISTING FIRE DEPARTMENT CONNECTION AND ASSOCIATED PIPING.

GRAPHIC LEGEND

KEY PLAN



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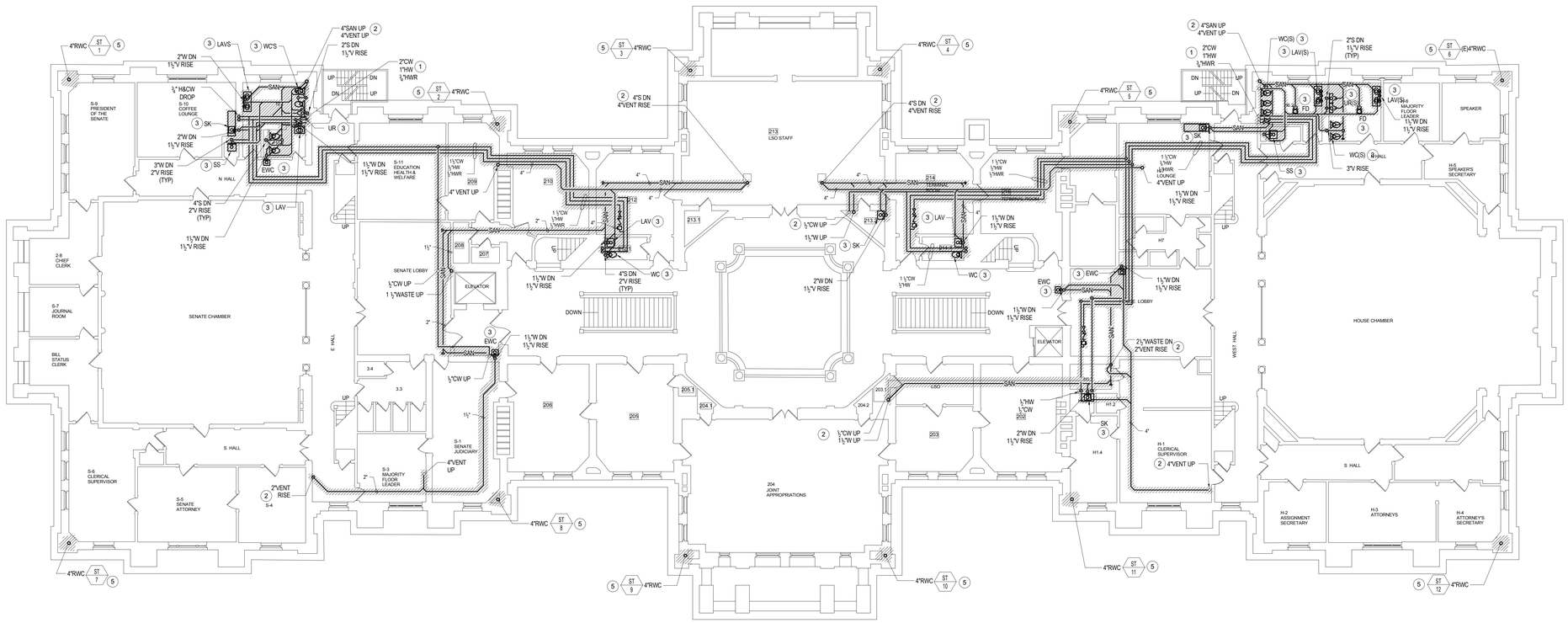
SELECTIVE REMOVAL FIRST FLOOR PLUMBING PLAN

SCALE: As indicated

2PD101

Schematic Design



1 SELECTIVE REMOVAL SECOND FLOOR PLUMBING PLAN
1" = 10'-0"

7'-6" 2'-6"
10'-0" 5'-0" 0 10'-0" 20'-0" 40'-0"

GENERAL NOTES

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CONSTRUCTION NOTES

(#)

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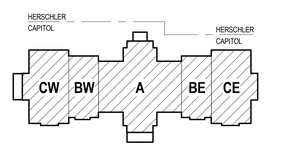
GRAPHIC LEGEND

KEY PLAN



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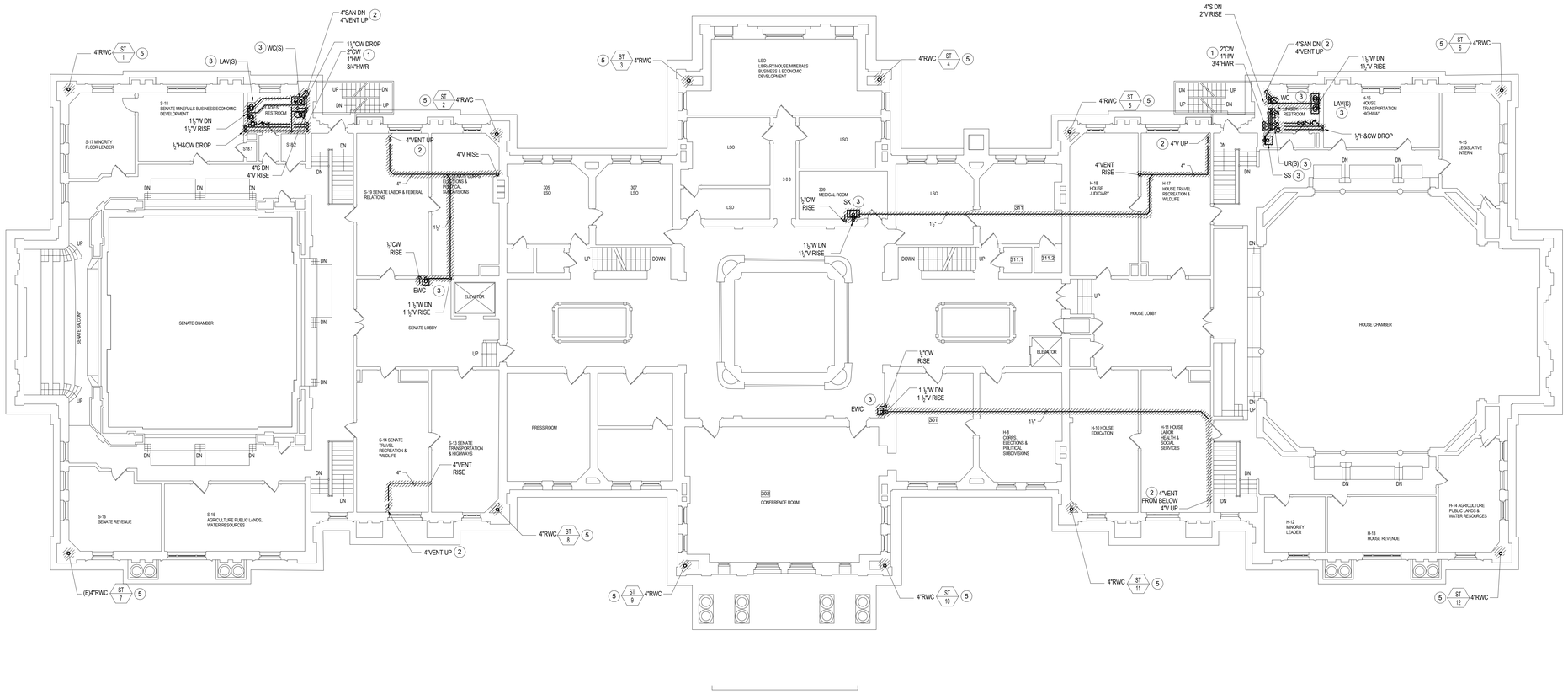
SELECTIVE REMOVAL SECOND FLOOR PLUMBING PLAN

SCALE As indicated

2PD102

Schematic Design



1 SELECTIVE REMOVAL THIRD FLOOR PLUMBING PLAN
1" = 10'-0"

7'-6" 2'-6"
10'-0" 5'-0" 0 10'-0" 20'-0" 40'-0"

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CONSTRUCTION NOTES

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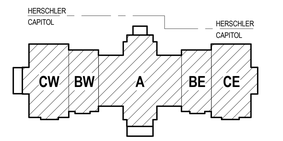
9.	DISCONNECT AND REMOVE EXISTING FIRE DEPARTMENT CONNECTION AND ASSOCIATED PIPING.

GRAPHIC LEGEND

KEY PLAN



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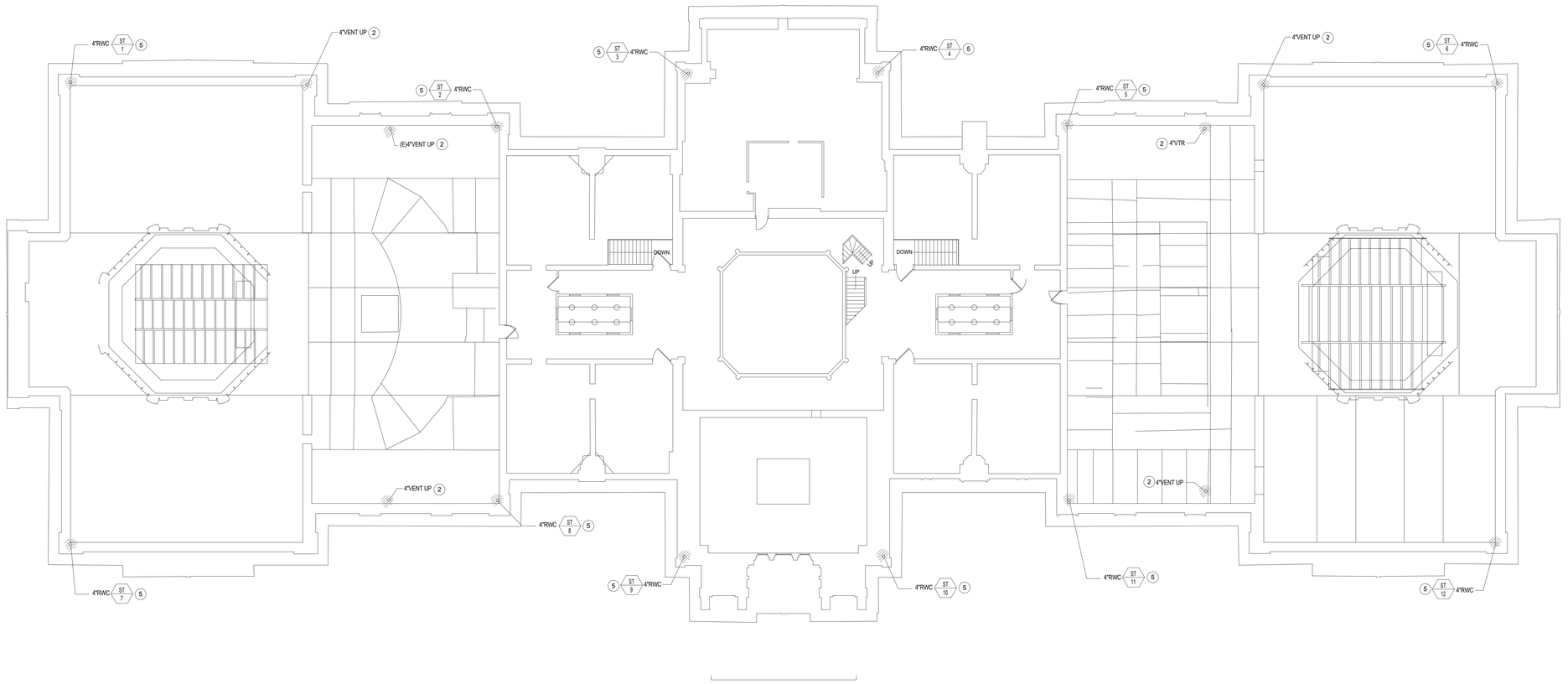
SELECTIVE REMOVAL THIRD FLOOR PLUMBING PLAN

SCALE: As indicated

2PD103

Schematic Design



1 SELECTIVE REMOVAL ATTIC 1 PLUMBING PLAN
1" = 10'-0"

7'-6" 2'-6"
10'-0" 5'-0" 0 10'-0" 20'-0" 40'-0"

GENERAL NOTES

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CONSTRUCTION NOTES

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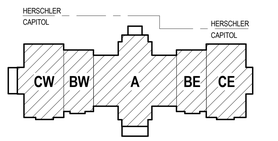
8.	DISCONNECT AND REMOVE EXISTING FIRE DEPARTMENT CONNECTION AND ASSOCIATED PIPING.

GRAPHIC LEGEND

KEY PLAN



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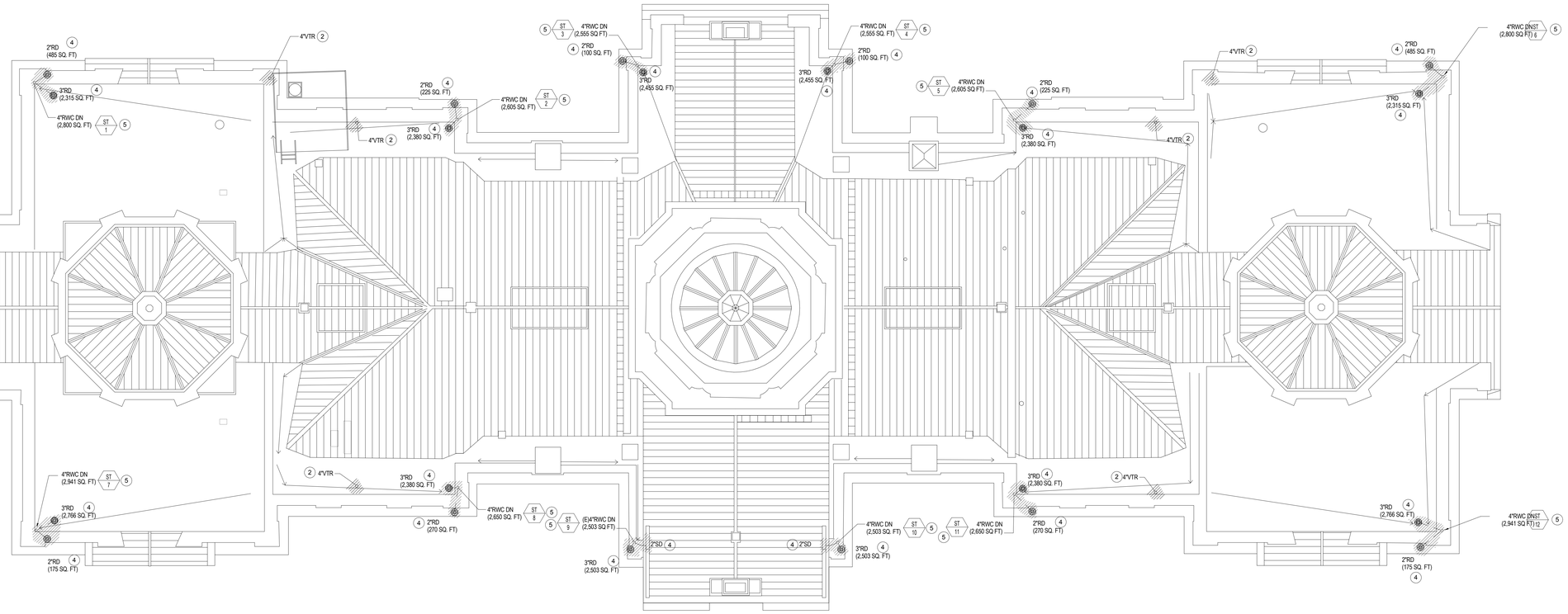
PKG. IDENTIFIER	2

SELECTIVE REMOVAL ATTIC 1 PLUMBING PLAN

SCALE: As indicated

2PD104

Schematic Design



1 SELECTIVE REMOVAL ROOF PLUMBING PLAN
1" = 10'-0"

7'-6" 2'-6"
10'-0" 5'-0" 0 10'-0" 20'-0" 40'-0"

GENERAL NOTES

1. ALL EXISTING PLUMBING FIXTURE, PIPING VALVES AND ACCESSORIES SHALL BE REMOVED THROUGHOUT THE ENTIRE BUILDING.
2. EXISTING PLUMBING PIPING SHOWN REPRESENT ASSUMED PIPE SYSTEMS AND ROUTING BASED UPON EXISTING FIXTURE LOCATIONS ONLY. EXISTING PIPING IS CONCEALED, THEREFORE REMOVAL SCOPE IDENTIFIED IN NOTE #1 SHALL NOT BE LIMITED TO EXISTING CONDITION SHOWN.

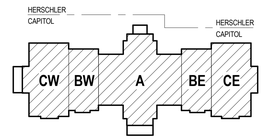
CONSTRUCTION NOTES

(#)

NUMBER	KEYNOTE
1.	DEMOLISH EXISTING COLD, HOT AND HOT WATER RETURN WATER RISERS, MAINS AND BRANCH PIPING.
2.	DEMOLISH EXISTING SANITARY, WASTE AND VENT STACKS, MAINS AND BRANCH PIPING.
3.	DEMOLISH FIXTURE COMPLETE. INCLUDING ALL SUPPORTS, FLUSHOMETERS, FAUCETS AND SPECIALTIES. DEMOLISH ALL CONNECTED WASTE AND VENT PIPING.
4.	DEMOLISH EXISTING ROOF DRAIN.
5.	DEMOLISH EXISTING 4" RAINWATER CONDUCTOR.
6.	DEMOLISH EXISTING 6" RAINWATER CONNECTOR UP TO 5'-0" BEYOND EXTERIOR WALL.
7.	DEMOLISH EXISTING 3" AREA DRAIN AND ASSOCIATED PIPING.
8.	DEMOLISH EXISTING 6" FIRE WATER SERVICE AND ISOLATION VALVE WITH TAMPER SWITCH AND DOUBLE CHECK VALVE ASSEMBLY.
9.	DISCONNECT AND REMOVE EXISTING FIRE DEPARTMENT CONNECTION AND ASSOCIATED PIPING.

GRAPHIC LEGEND

KEY PLAN



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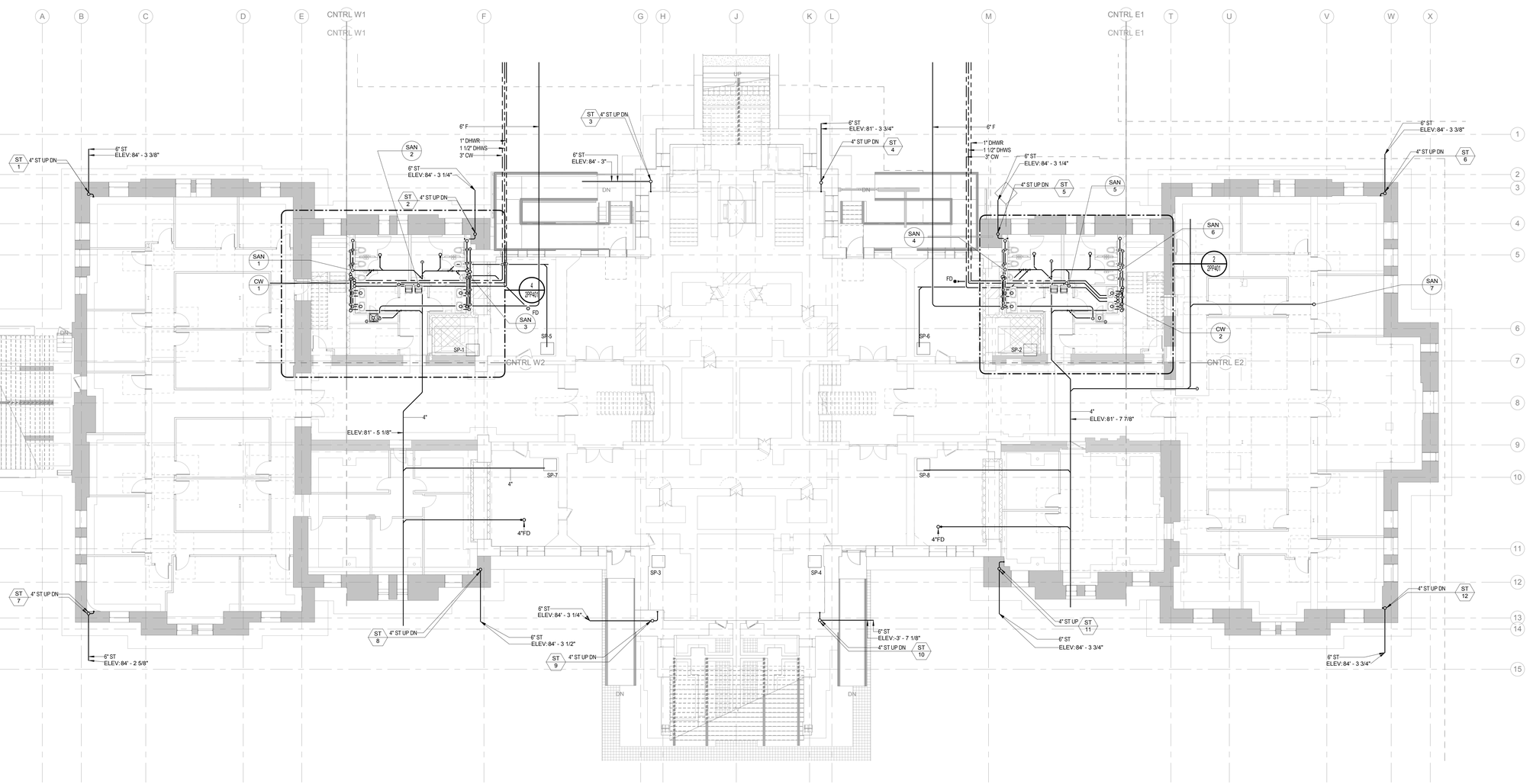
SELECTIVE REMOVAL ROOF PLUMBING PLAN

SCALE: As indicated

2PD105

Schematic Design



1 PROPOSED GARDEN LEVEL PLUMBING PLAN
1" = 10'-0"

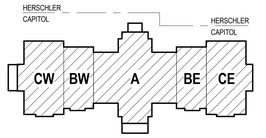
7'-6" 2'-6"
10'-0" 5'-0" 0 10'-0" 20'-0" 40'-0"

GENERAL NOTES

CONSTRUCTION NOTES

GRAPHIC LEGEND

KEY PLAN



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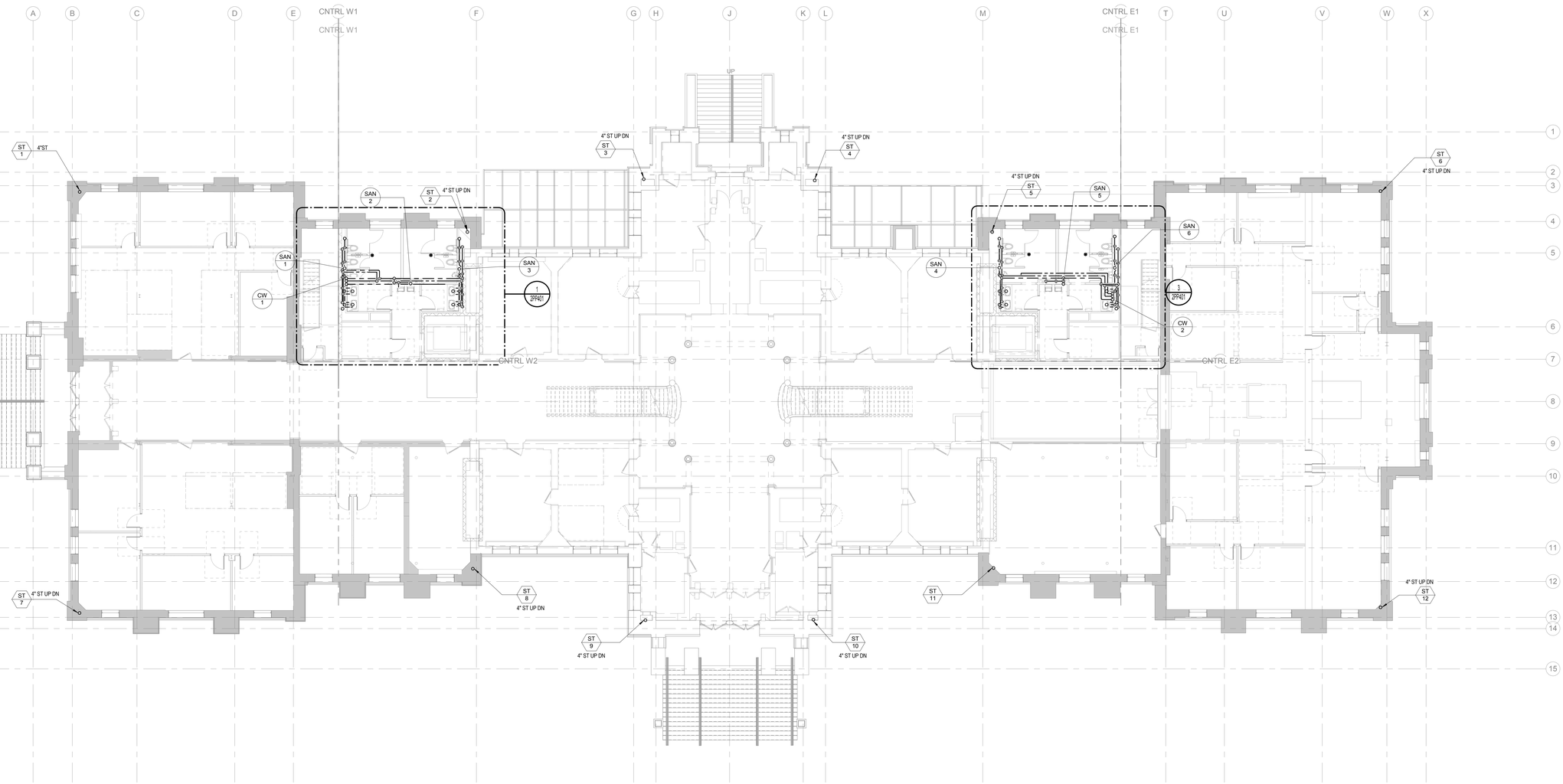
PROPOSED GARDEN LEVEL PLUMBING PLAN

SCALE 1" = 10'-0"

2PP100

Schematic Design



1 PROPOSED FIRST FLOOR PLUMBING PLAN
1" = 10'-0"

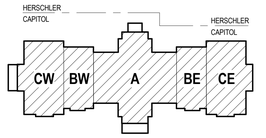
7'-6" 2'-6"
10'-0" 5'-0" 0 10'-0" 20'-0" 40'-0"

GENERAL NOTES

CONSTRUCTION NOTES

GRAPHIC LEGEND

KEY PLAN



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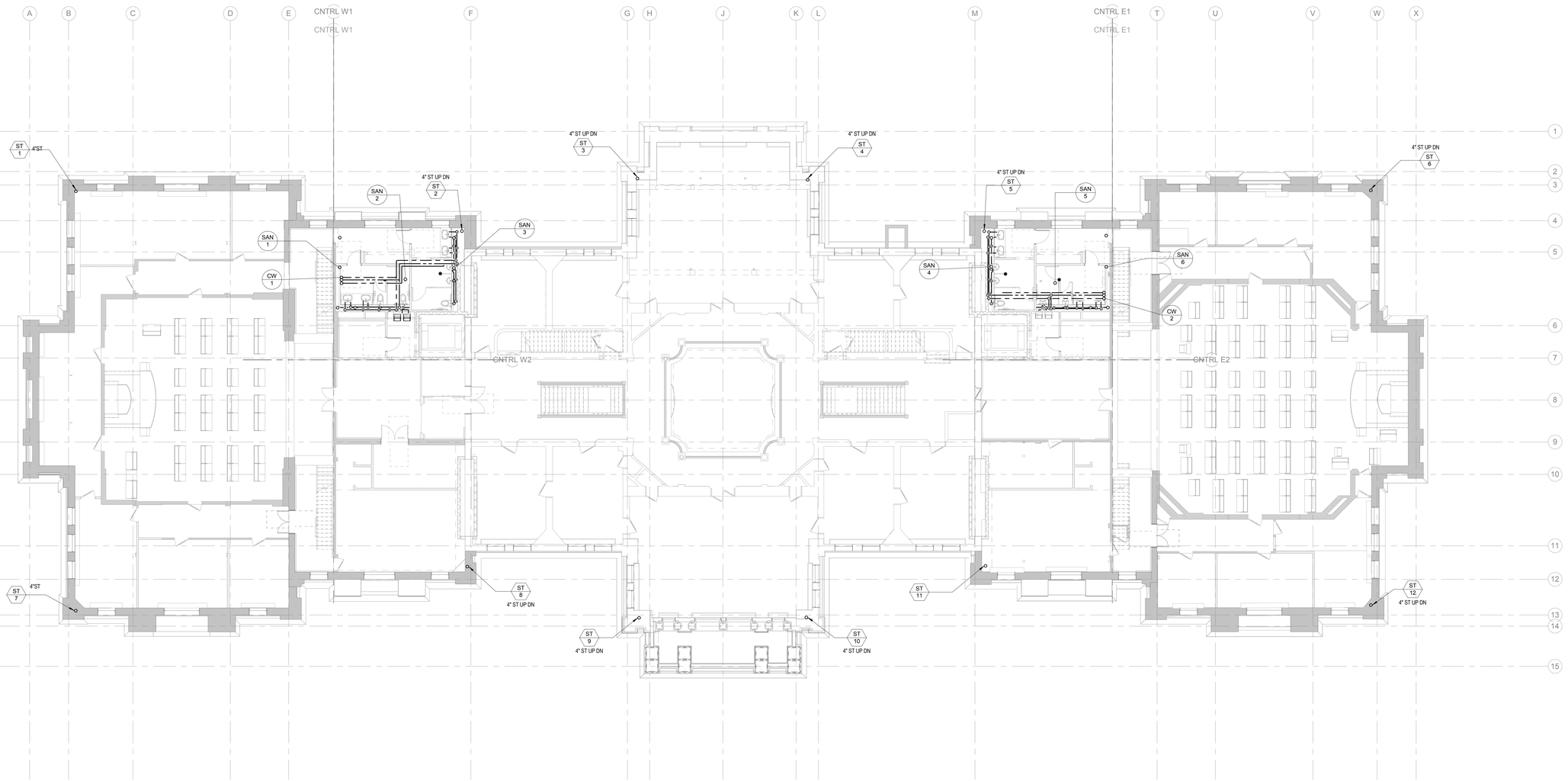
PROPOSED FIRST FLOOR PLUMBING PLAN

SCALE 1" = 10'-0"

2PP101

Schematic Design



1 PROPOSED SECOND FLOOR PLUMBING PLAN
1" = 10'-0"

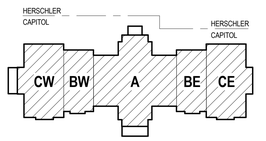
7'-6" 2'-6"
10'-0" 5'-0" 0 10'-0" 20'-0" 40'-0"

GENERAL NOTES

CONSTRUCTION NOTES

GRAPHIC LEGEND

KEY PLAN



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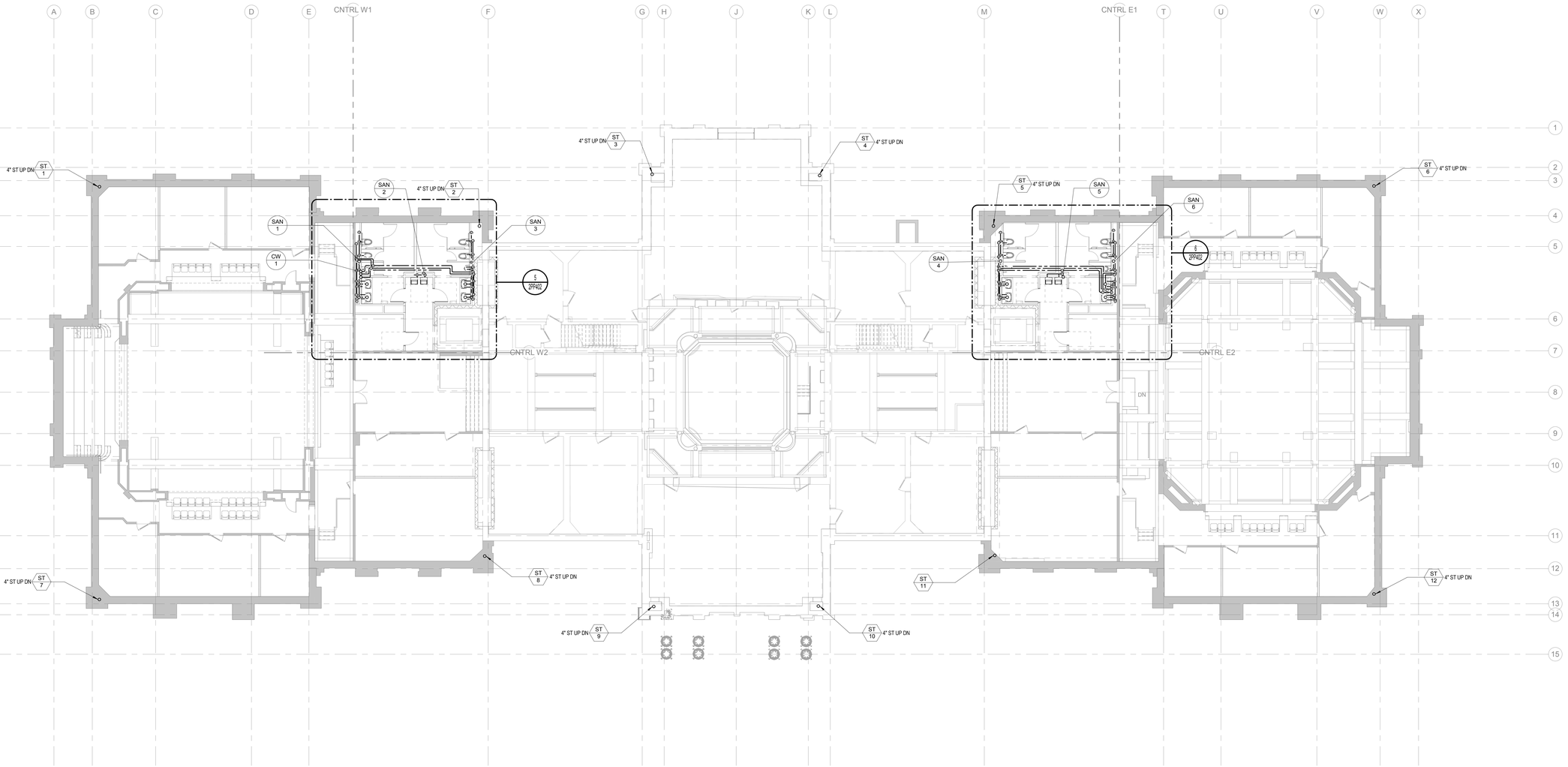
PROPOSED SECOND FLOOR PLUMBING PLAN

SCALE 1" = 10'-0"

2PP102

Schematic Design



1 PROPOSED THIRD FLOOR PLUMBING PLAN
1" = 10'-0"

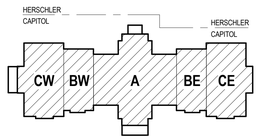
7'-6" 2'-6"
10'-0" 5'-0" 0 10'-0" 20'-0" 40'-0"

GENERAL NOTES

CONSTRUCTION NOTES

GRAPHIC LEGEND

KEY PLAN



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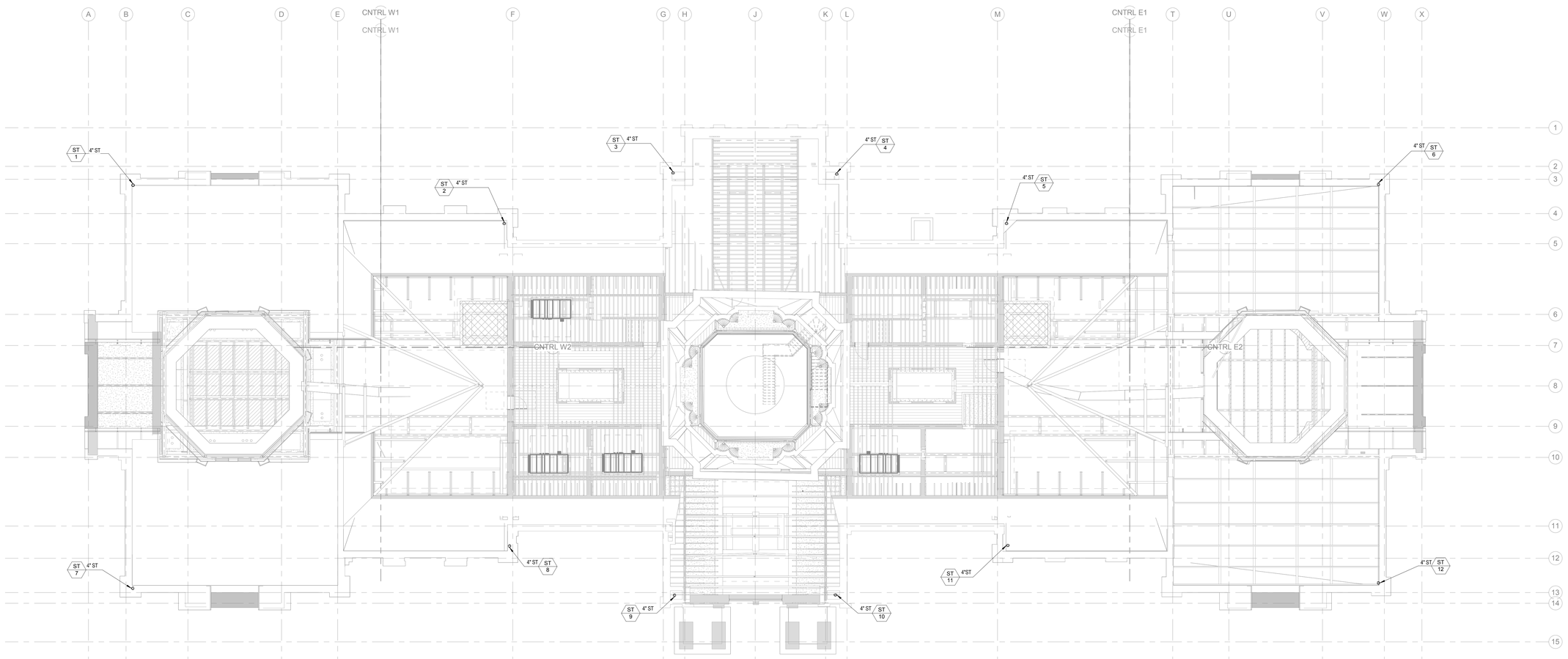
PROPOSED THIRD FLOOR PLUMBING PLAN

SCALE 1" = 10'-0"

2PP103

Schematic Design



1 PROPOSED ATTIC 1 PLUMBING PLAN
1" = 10'-0"

7'-6" 2'-6"
10'-0" 5'-0" 0 10'-0" 20'-0" 40'-0"

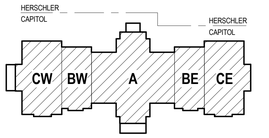
GENERAL NOTES

1. SEE SANITARY RISER DIAGRAM ON DRAWING 2PX611 FOR LOCATION AND SIZE OF CONDENSATE DRAINAGE. FINAL LOCATION TO BE COORDINATED WI HVAC LAYOUTS.

CONSTRUCTION NOTES

GRAPHIC LEGEND

KEY PLAN



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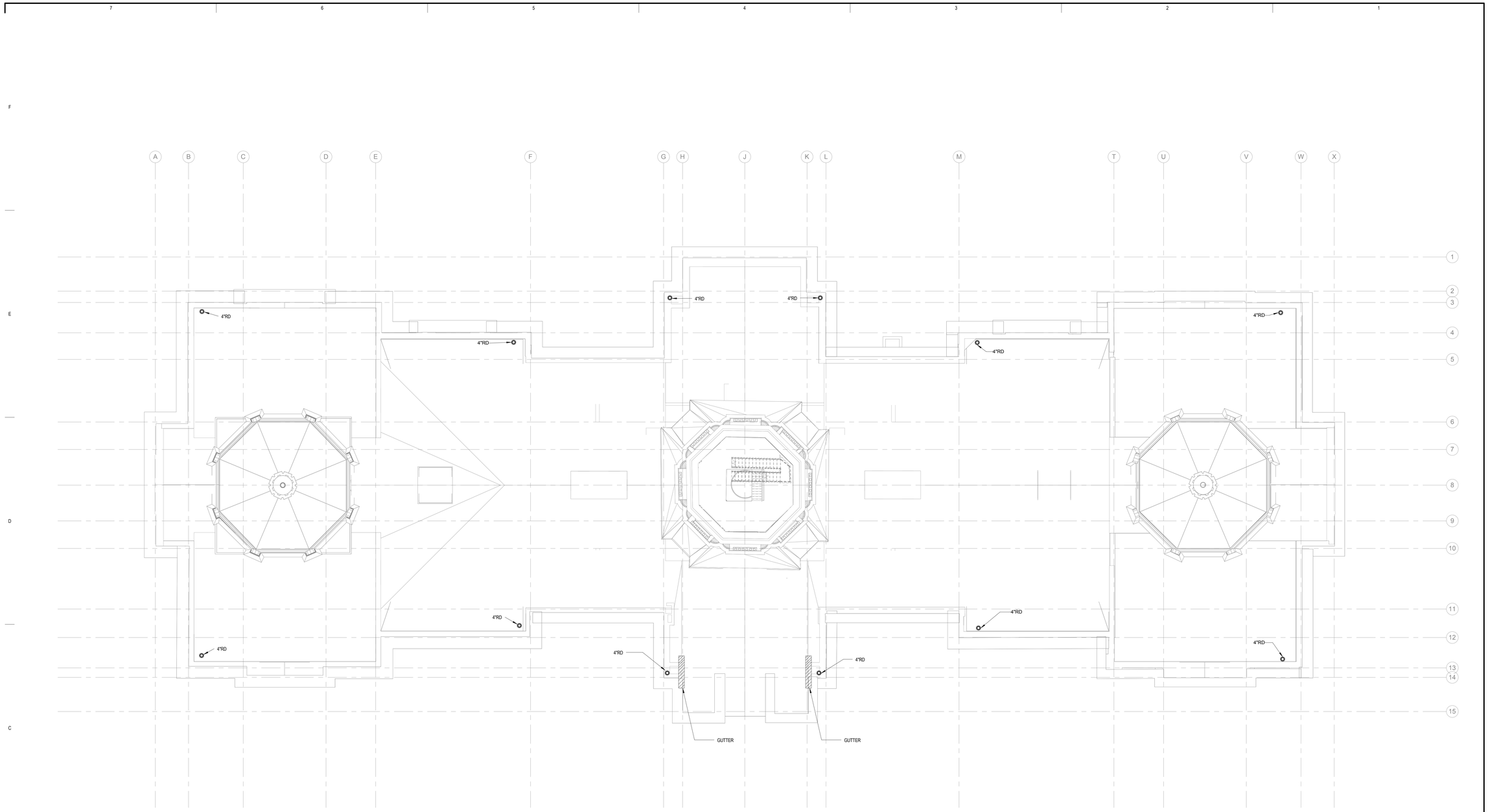
PROPOSED ATTIC 1 PLUMBING PLAN

SCALE 1" = 10'-0"

2PP104

Schematic Design



1 PROPOSED ROOF PLUMBING PLAN
1" = 10'-0"

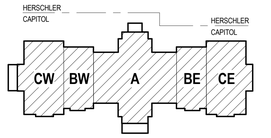
7'-6" 2'-6"
10'-0" 5'-0" 0 10'-0" 20'-0" 40'-0"

GENERAL NOTES

CONSTRUCTION NOTES

GRAPHIC LEGEND

KEY PLAN



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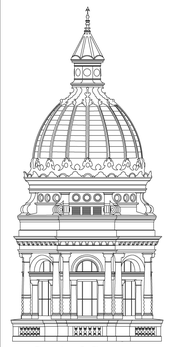

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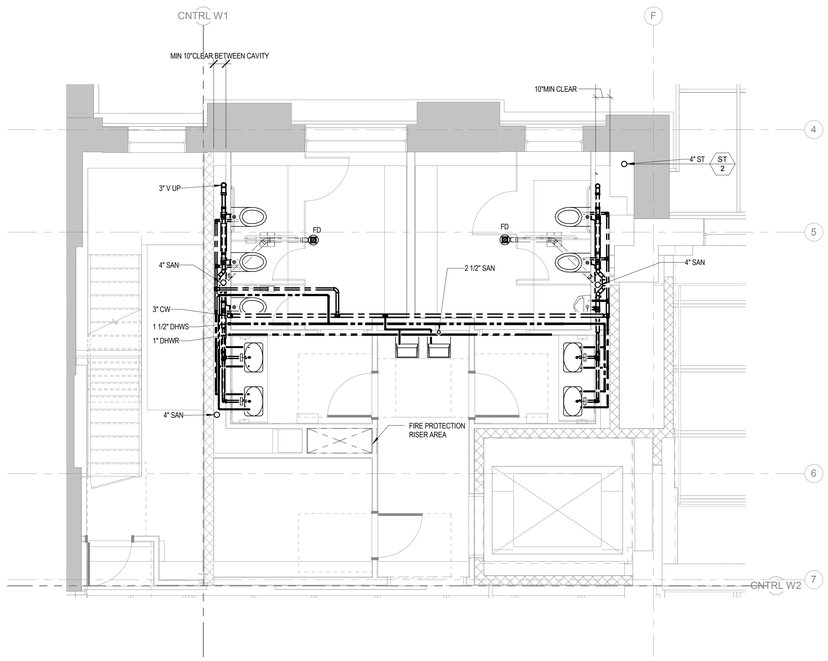
PROPOSED ROOF PLUMBING PLAN

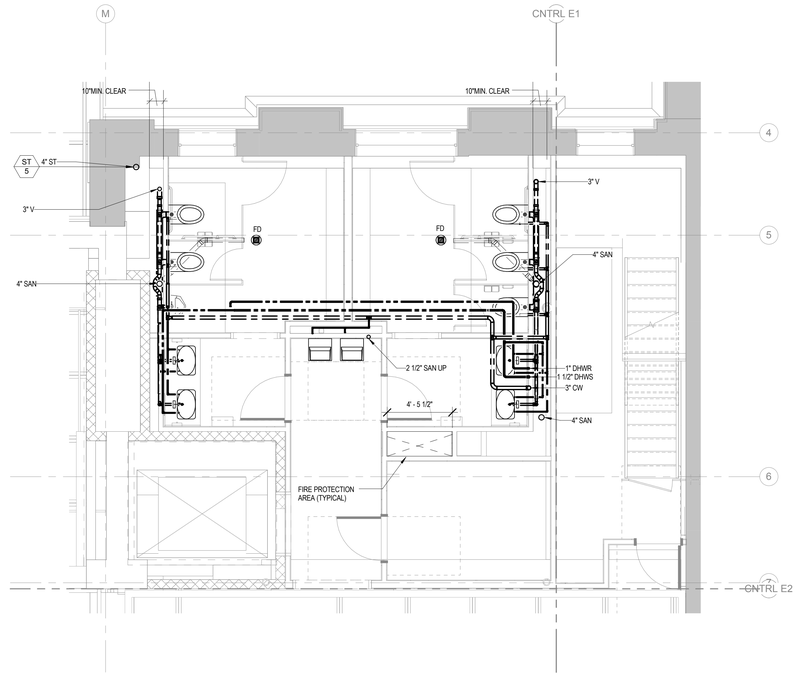
SCALE 1" = 10'-0"

2PP105

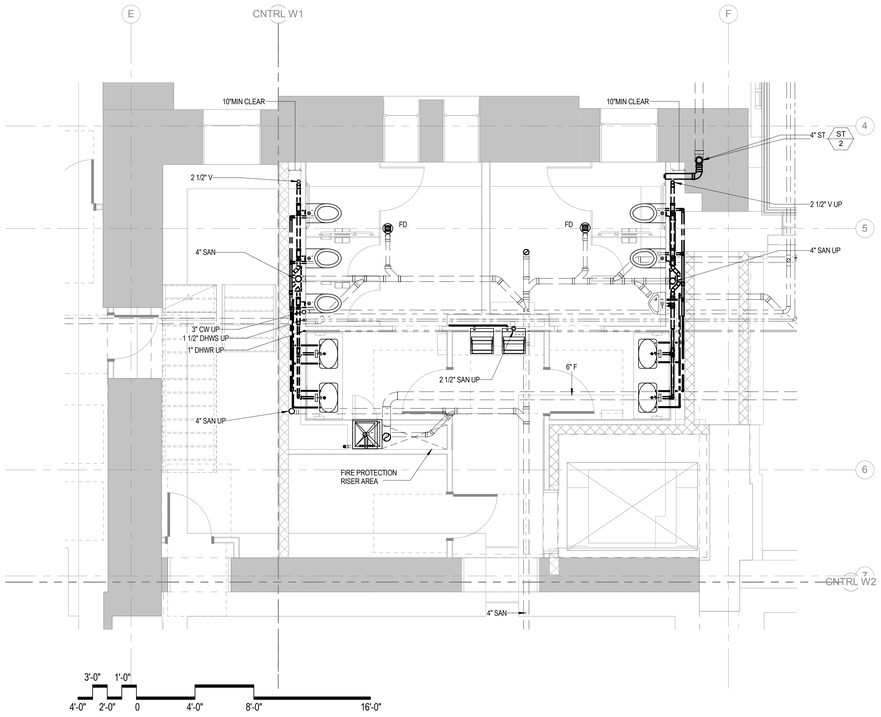
Schematic Design



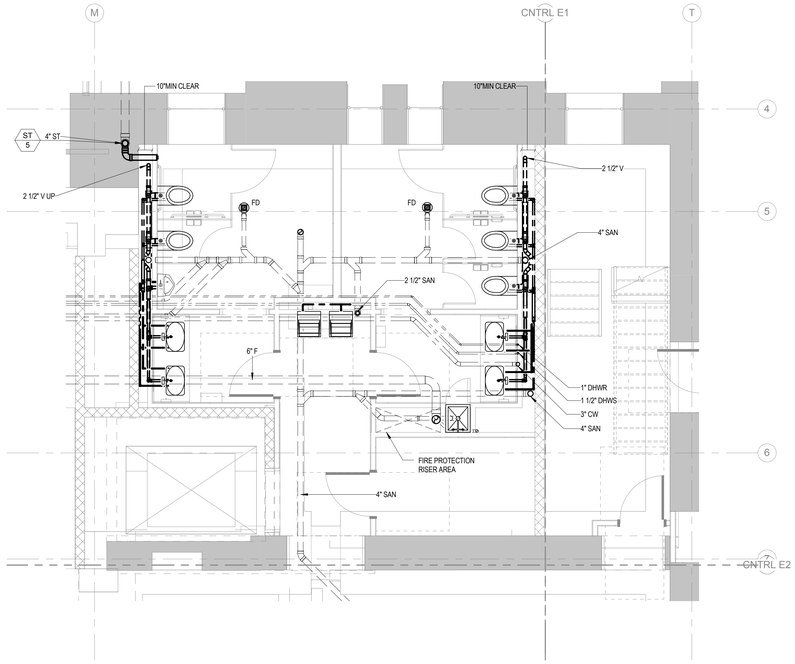
1 TOILET CORE PLUMBING - CAPITOL FIRST FLOOR - WEST
1/4" = 1'-0"



3 TOILET CORE PLUMBING - CAPITOL FIRST FLOOR - EAST
1/4" = 1'-0"



4 TOILET CORE PLUMBING - CAPITOL GARDEN LEVEL - WEST
1/4" = 1'-0"



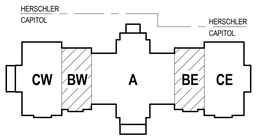
2 TOILET CORE PLUMBING - GARDEN LEVEL EAST
1/4" = 1'-0"

GENERAL NOTES

CONSTRUCTION NOTES

GRAPHIC LEGEND

KEY PLAN



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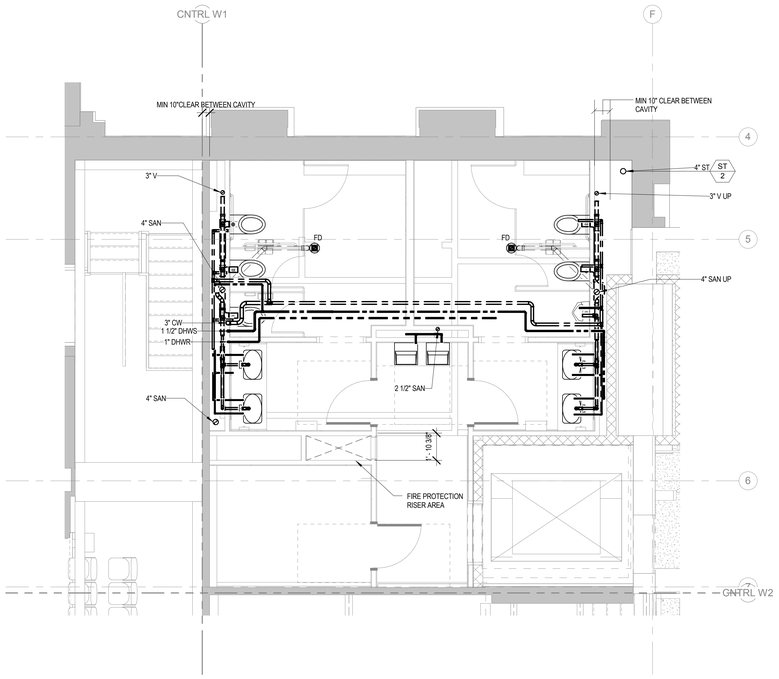
PROPOSED PLUMBING PART PLANS

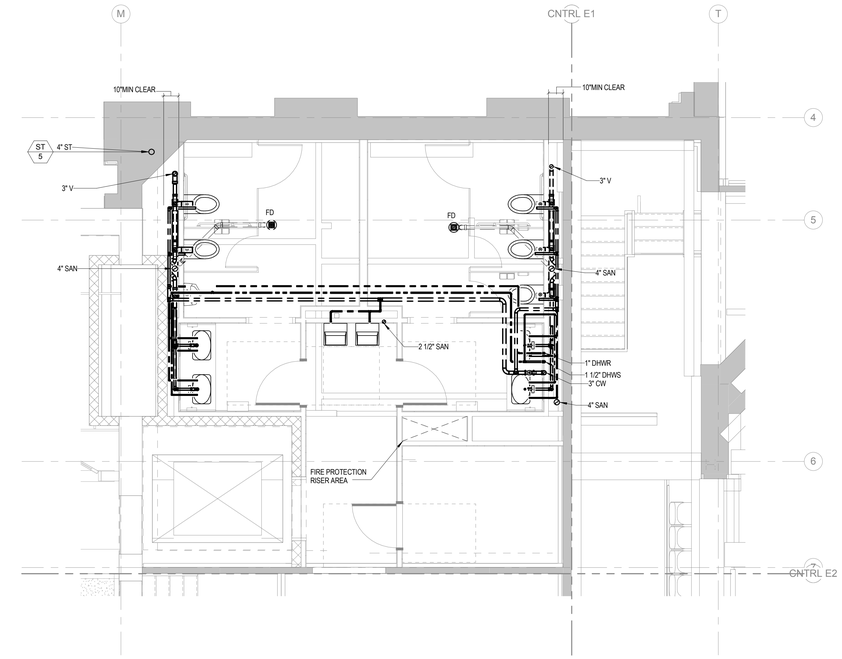
SCALE: 1/4" = 1'-0"

2PP401

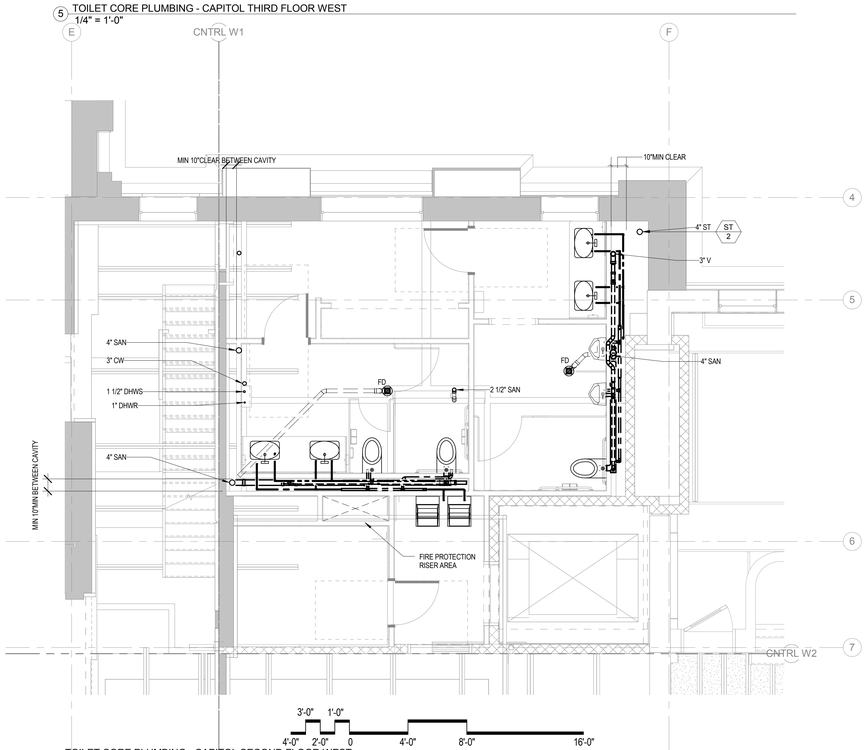
Schematic Design



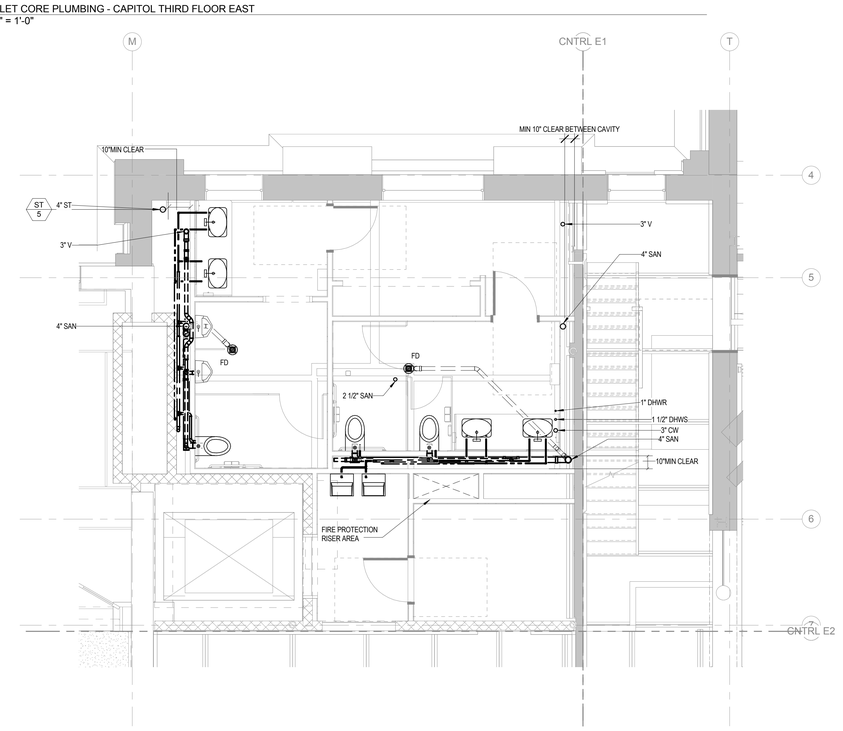
5 TOILET CORE PLUMBING - CAPITOL THIRD FLOOR WEST
1/4" = 1'-0"



6 TOILET CORE PLUMBING - CAPITOL THIRD FLOOR EAST
1/4" = 1'-0"



2 TOILET CORE PLUMBING - CAPITOL SECOND FLOOR WEST
1/4" = 1'-0"



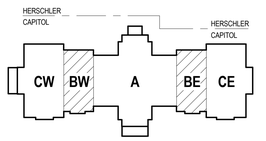
4 TOILET CORE PLUMBING - CAPITOL SECOND FLOOR EAST
1/4" = 1'-0"

GENERAL NOTES

CONSTRUCTION NOTES

GRAPHIC LEGEND

KEY PLAN



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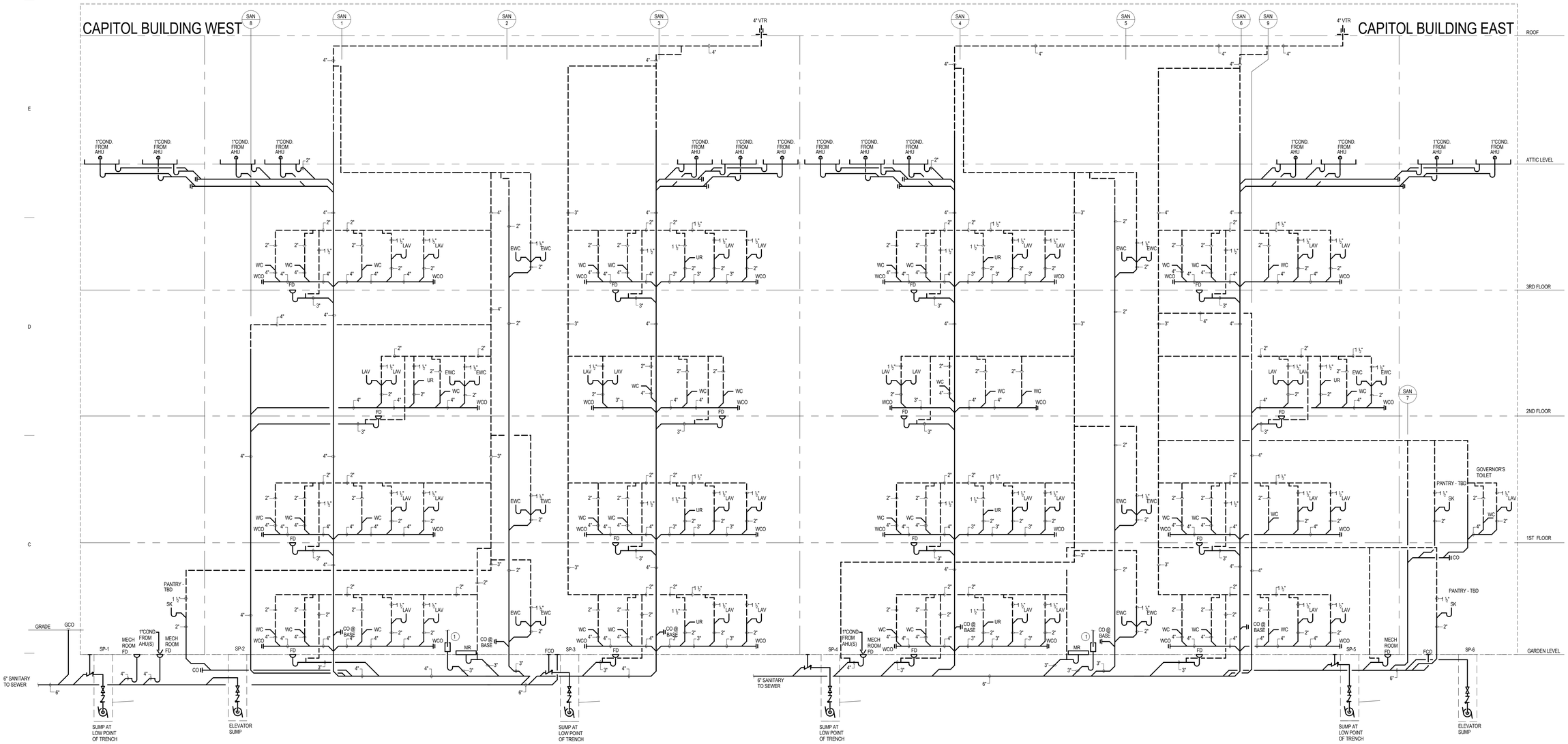
PROPOSED PLUMBING PART PLANS

SCALE 1/4" = 1'-0"

2PP402

Schematic Design



1 PROPOSED PLUMBING SANITARY RISER DIAGRAM
NOT TO SCALE

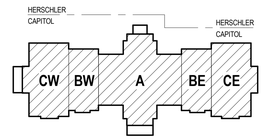
GENERAL NOTES

1. 3"AIR GAP FITTING PROVIDED FOR 2"FIRE PROTECTION DRAIN RISER.

CONSTRUCTION NOTES

GRAPHIC LEGEND

KEY PLAN



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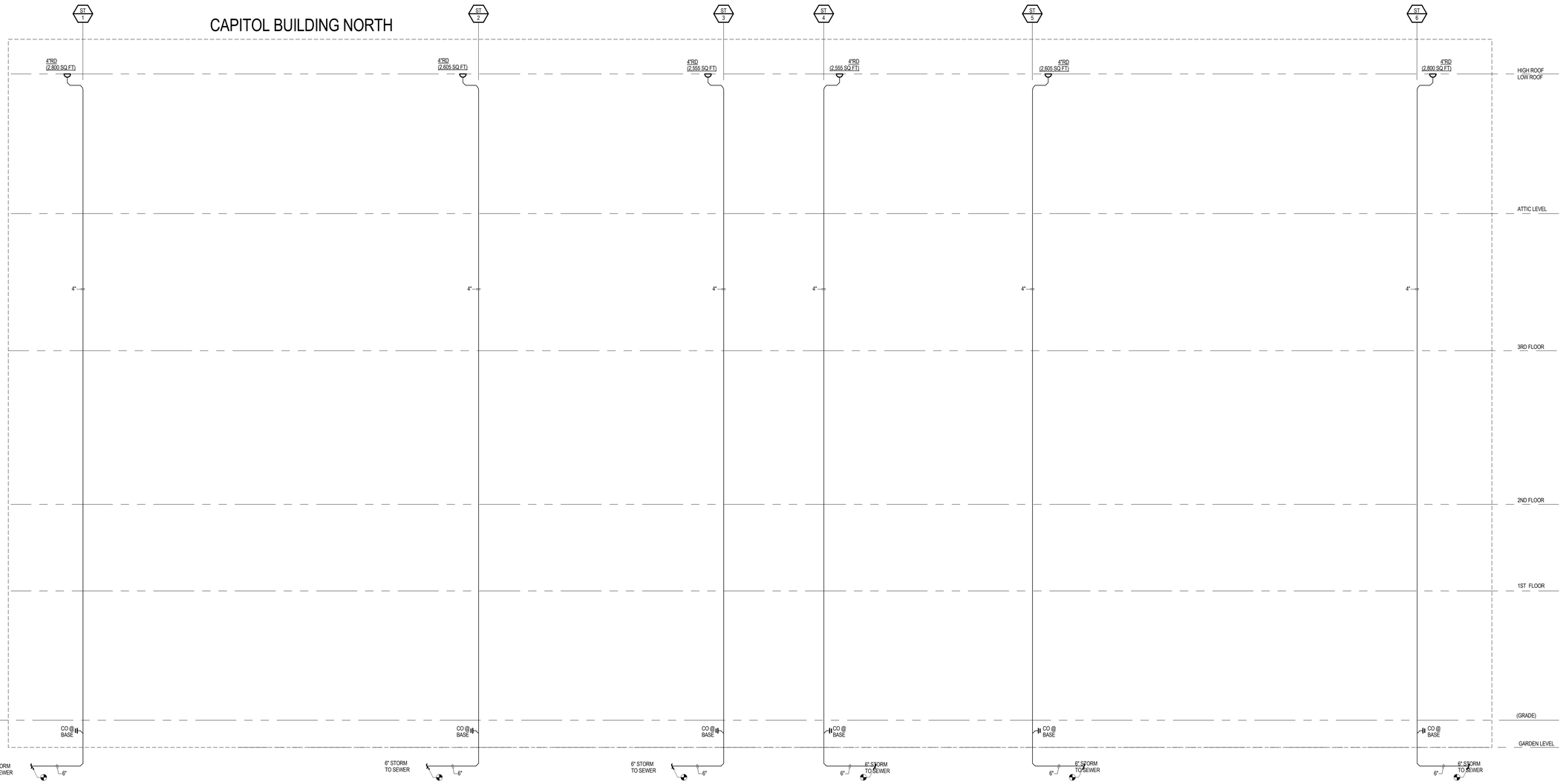
PROPOSED PLUMBING SANITARY RISER DIAGRAM

SCALE: NOT TO SCALE

2PX611

Schematic Design



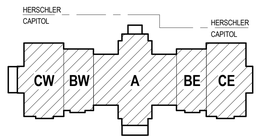
1 PROPOSED PLUMBING STORM WATER RISER DIAGRAM - NORTH
NOT TO SCALE

GENERAL NOTES

CONSTRUCTION NOTES

GRAPHIC LEGEND

KEY PLAN



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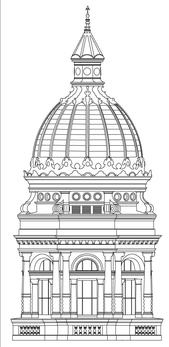

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HDR PDP PLAN ARCHITECT

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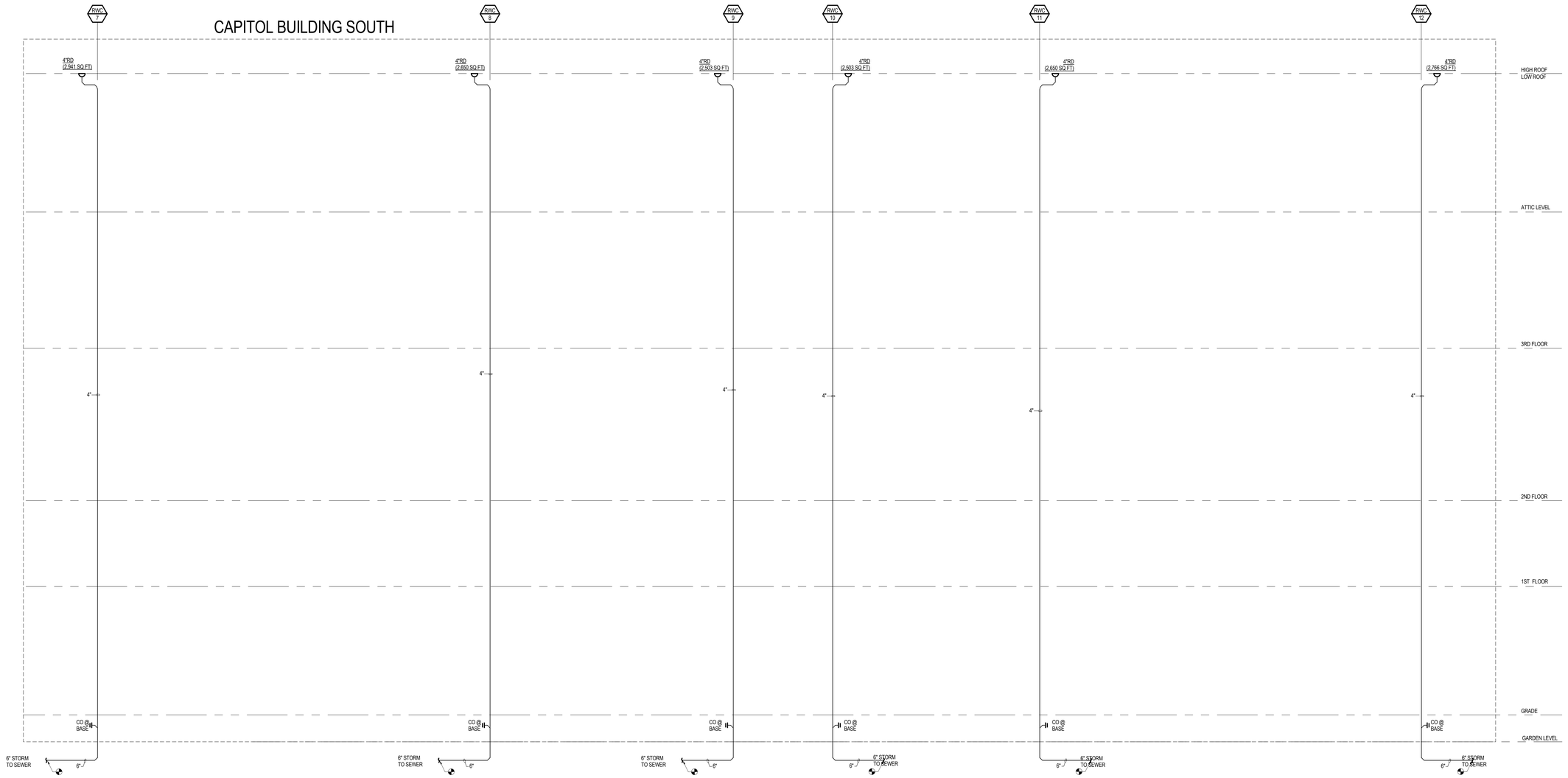
PROPOSED PLUMBING STORM WATER RISER DIAGRAM - NORTH

SCALE: NOT TO SCALE

2PX612

Schematic Design



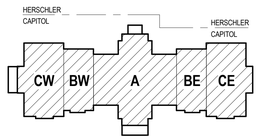
1 PROPOSED PLUMBING STORM WATER RISER DIAGRAM - SOUTH
NOT TO SCALE

GENERAL NOTES

CONSTRUCTION NOTES

GRAPHIC LEGEND

KEY PLAN



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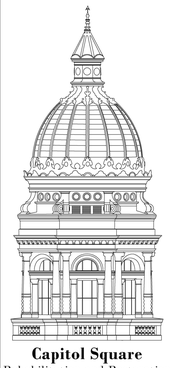

Capitol Square
Rehabilitation and Restoration

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PROPOSED PLUMBING STORM WATER RISER DIAGRAM - SOUTH

SCALE: NOT TO SCALE

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Schematic Design

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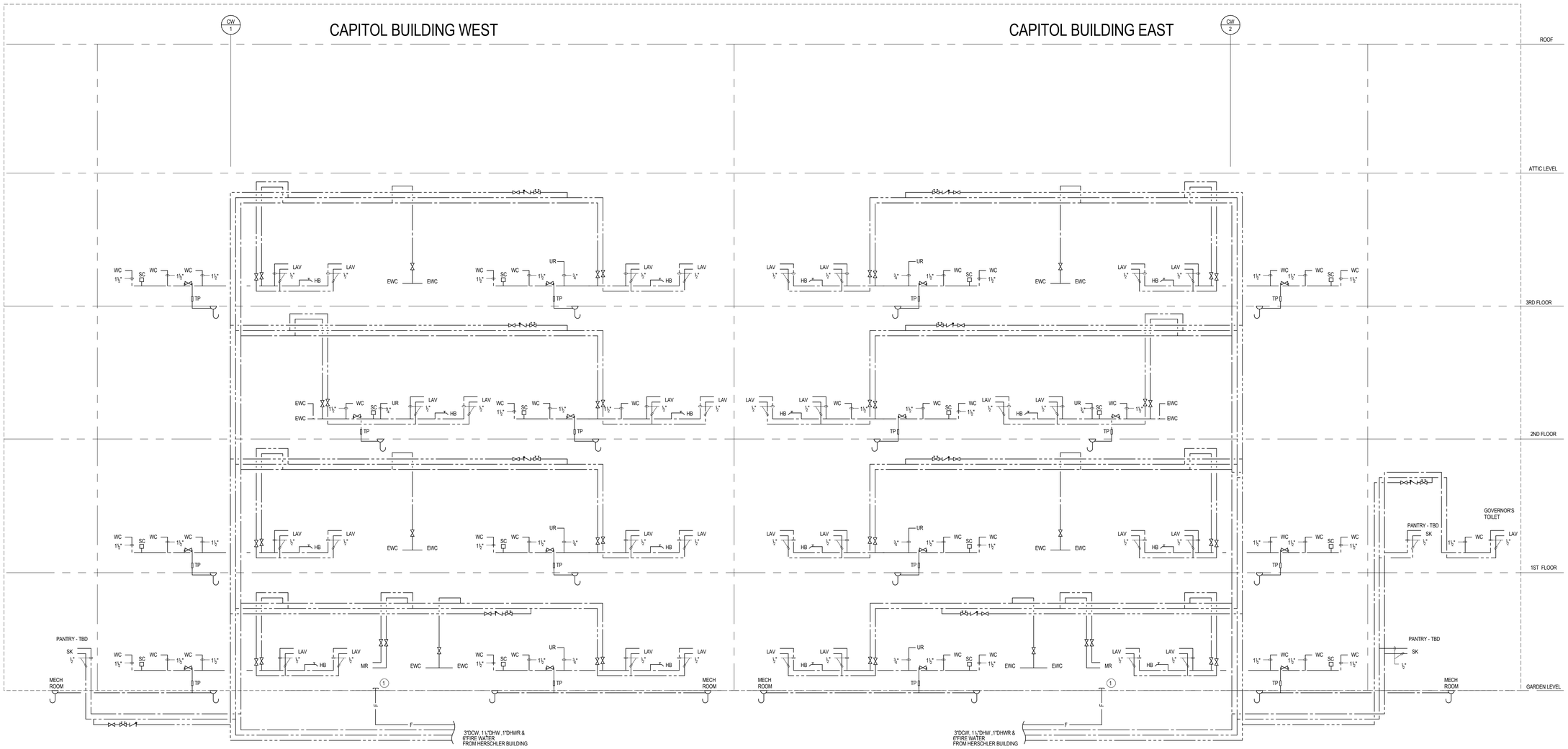


1 PROPOSED PLUMBING DOMESTIC WATER RISER DIAGRAM
NOT TO SCALE

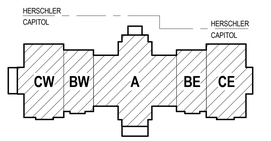
GENERAL NOTES

1. 6"FIRE WATER SERVICE W/ BLIND FLANGE 6"AFF FOR EXTENSION BY THE FIRE PRTECTION CONTRACTOR.

CONSTRUCTION NOTES

GRAPHIC LEGEND

KEY PLAN



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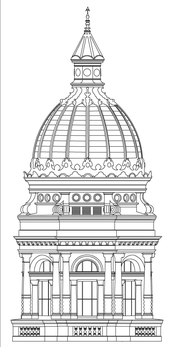

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PROPOSED PLUMBING DOMESTIC WATER RISER DIAGRAM

SCALE: NOT TO SCALE

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Schematic Design

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FIXTURE SCHEDULE

SYMBOL	DESCRIPTION	CONNECTION SIZE				MAXIMUM WATER CONSUMPTION	DRAINAGE FIXTURE UNITS	WATER SUPPLY FIXTURE UNITS	MANUFACTURER	TRIM	REMARKS
		SANITARY / WASTE	VENT	HOT WATER	COLD WATER						
WC-1	WATER CLOSET	4"	2"	-	1-1/2"	1.28 GPF	4	10			
WC-1A	WATER CLOSET (HANDICAPPED MOUNTED)	4"	2"	-	1-1/2"	1.28 GPF	4	10			
WC-2	WATER CLOSET	4"	2"	-	1-1/2"	1.28 GPF	4	10			
UR-1	URINAL	2"	1-1/2"	-	3/4"	.125 GPF	2	3			
LAV-1	LAVATORY	1-1/2"	1-1/2"	1/2"	1/2"	.5 GPM	1	1.5			
LAV-2	LAVATORY (HANDICAPPED MOUNTED)	1-1/2"	1-1/2"	1/2"	1/2"	.5 GPM	1	1.5			
LAV-3	LAVATORY (HANDICAPPED MOUNTED)	1-1/2"	1-1/2"	1/2"	1/2"	.5 GPM	1	1.5			
EWC-1	ELECTRIC WATER COOLER	1-1/2"	1-1/2"	-	1/2"	.133 GPM	0.5	0.25			
MR-1	SERVICE SINK	3"	1-1/2"	1/2"	1/2"	15 GPM	2	3			
SK-1	SINK	1-1/2"	1-1/2"	1/2"	1/2"	1.5 GPM	2	3			

PUMP SCHEDULE

EQUIPMENT NUMBER	EQUIPMENT	QTY.	MOTOR				CAPACITY GPM	INLET SIZE	OUTLET SIZE	HEAD (TDH)	LOCATION	MANUFACTURER	REMARKS
			HP	RPM	VOLTS	PHASE							
SP-1	SUMP PUMP	1	.3	60	115	1	20	-	1 1/2"	20	ELEVATOR PIT	ZOELLAR "OIL-MINDER" CAST IRON PUMP, W/ OVERLOAD PROTECTION #N57 WITH PUMP SWITCH #10-1526 AND ALARM PANEL #10-1526	
SP-2	SUMP PUMP	1	.3	60	115	1	20	-	1 1/2"	20	ELEVATOR PIT	ZOELLAR "OIL-MINDER" CAST IRON PUMP, W/ OVERLOAD PROTECTION #N57 WITH PUMP SWITCH #10-1526 AND ALARM PANEL #10-1526	
SP-3	SUMP PUMP	1	.5	3450	115	1	32	1"	1"	37	SMOKE FAN ROOM	HARTELL MODEL L4 AUTOMATIC RESEVOIR PUMP	
SP-4	SUMP PUMP	1	.5	3450	115	1	32	1"	1"	37	SMOKE FAN ROOM	HARTELL MODEL L4 AUTOMATIC RESEVOIR PUMP	
SP-5	SUMP PUMP	1	1	3450	115	1	85	-	1 1/2"	50	NW MECH ROOM TRENCH	ZOELLAR "FLOW MATE" CAST IRON PUMP, W/ OVERLOAD PROTECTION MODEL #N140	
SP-6	SUMP PUMP	1	1	3450	115	1	85	-	1 1/2"	50	NE MECH ROOM TRENCH	ZOELLAR "FLOW MATE" CAST IRON PUMP, W/ OVERLOAD PROTECTION MODEL #N140	
SP-7	SUMP PUMP	1	1	3450	115	1	85	-	1 1/2"	50	SW MECH ROOM TRENCH	ZOELLAR "FLOW MATE" CAST IRON PUMP, W/ OVERLOAD PROTECTION MODEL #N140	
SP-8	SUMP PUMP	1	1	3450	115	1	85	-	1 1/2"	50	SE MECH ROOM TRENCH	ZOELLAR "FLOW MATE" CAST IRON PUMP, W/ OVERLOAD PROTECTION MODEL #N140	

FLOOR DRAIN SCHEDULE

SYMBOL	DESCRIPTION	CONNECTION SIZE		MAXIMUM WATER CONSUMPTION	DRAINAGE FIXTURE UNITS	MANUFACTURER	TRIM
		SANITARY / WASTE	VENT				
FD-1	PUBLIC TOILET ROOMS	3"	2"	1.28 GPF	5	J.R. SMITH ----------	
FD-2	MECHANICAL ROOMS	4"	2"	1.28 GPF	6	JAY R. SMITH ----------	

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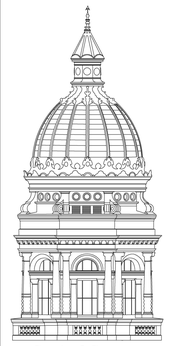

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Rehabilitation and Restoration

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PROPOSED PLUMBING SCHEDULES

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2PX631

Schematic Design

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ELECTRICAL, SYMBOLS LIST

LIGHTING

- CEILING OUTLET BOX AND LIGHT FIXTURE,
  'A' - DENOTES FIXTURE TYPE
  '2 ' - DENOTES CIRCUIT NUMBER
  '2E' - DENOTES EMERGENCY CIRCUIT NUMBER
  'S' - DENOTES SWITCH CONTROL
  'EM' - DENOTES EMERGENCY
  'NL' - DENOTES NIGHT LIGHT (UNSWITCHED)
- SLASH WITH SHADING INDICATES FIXTURE ON EMERGENCY CIRCUIT. SELECT EMERGENCY FIXTURES IN KEY EGRESS AREAS AS NOTED ON PLANS SHALL ALSO BE PROVIDED WITH EMERGENCY BATTERY BALLASTS.
- DOWNLIGHT, WALLWASHER
- SLASH WITH SHADING INDICATES FIXTURE ON EMERGENCY CIRCUIT
- WALL OUTLET BOX AND LIGHT FIXTURE
- WALL CLG — EXIT SIGN (DIRECTIONAL ARROWS AS INDICATED)
- WALL CLG — COMBINATION EXIT LIGHT AND EMERGENCY LIGHTING UNIT
- EMERGENCY LIGHTING BATTERY UNIT WITH SEALED BEAM HEADS CONNECTED TO UNSWITCHED LEG OF LOCAL LIGHTING CIRCUIT. NUMBER OF HEADS AS SHOWN ON PLAN
- REMOTE EMERGENCY SEALED BEAM HEAD

AUXILIARY SYSTEMS

- TVSS — TRANSIENT VOLTAGE SURGE SUPPRESSOR
- FCO — FUSED CUT OUT
- TC — TIMECLOCK
- R — RELAY
- C — CONTACTOR
- CCTV CAMERA
- MIC — MICROPHONE OUTLET
- S S — SPEAKER
- DH — MAGNETIC DOOR HOLDER
- ML — MAGNETIC DOOR LOCK
- DO — ELECTRIC DOOR OPENER
- DO — DOOR OPENER PUSH BUTTON
- DS — DOOR SECURITY JUNCTION BOX
- SD — SMOKE DAMPER
- FSD — FIRE/SMOKE DAMPER
- FACP — FIRE ALARM CONTROL PANEL
- T — THERMOSTAT
- EPO — EMERGENCY POWER OFF PUSH BUTTON
- CB — ENCLOSED CIRCUIT BREAKER

WIRING DEVICES

- 2 GFI — DUPLEX RECEPTACLE, 20A, 125V, 2P, 3W (GROUNDED) NEMA CONFIG. 5-20R
  '2' - DENOTES CIRCUIT NUMBER
  'GFI' - DENOTES GROUND FAULT INTERRUPTER
  'CH' - DENOTES MOUNTED AT COUNTER HEIGHT
  'IG' - DENOTES ISOLATED GROUND (ORANGE DEVICE)
  'ES' - DENOTES EMERGENCY OR STAND-BY SERVICE (RED DEVICE)
- SINGLE RECEPTACLE, 20A, 125V, 2P, 3W (GROUNDED) ON A DEDICATED CIRCUIT, NEMA CONFIG. 5-20R
- DOUBLE DUPLEX RECEPTACLE IN 2 GANG BOX, 20A, 125V, 2P, 3W (GROUNDED) NEMA CONFIG. 5-20R
- S — DUPLEX RECEPTACLE AND SWITCH IN 2 GANG BOX
- DUPLEX RECEPTACLE 20A, 125V, 2P, 3W NEMA CONFIG. 5-20R (DEDICATED APPLIANCE OR DEDICATED EQUIPMENT OUTLET)
- 6-20R — SPECIAL PURPOSE RECEPTACLE:
  '6-20R' - DENOTES NEMA CONFIGURATION
- CEILING MOUNTED DUPLEX RECEPTACLE
- S 3 — CONTROL SWITCH:
  DENOTES SWITCH CONTROL
  '3' - DENOTES 3-WAY SWITCH
  '4' - DENOTES 4-WAY SWITCH
  '(8)' - DENOTES CIRCUIT NUMBER
  'K' - DENOTES KEY OPERATED SWITCH
  'P' - DENOTES PILOT LIGHT SWITCH - LIT WHEN ON
  'L' - DENOTES LIT HANDLE SWITCH - LIT WHEN OFF
  'OC' - DENOTES AUTOMATIC OCCUPANCY SENSOR SWITCH
  'A' - DENOTES AUTOMATIC TIMER SWITCH
  'MC' - DENOTES MOMENTARY CONTACT SWITCH
- WALL MOUNTED COMBINATION AUX./SPECIAL SYSTEM OUTLET: 2-GANG COVER, MIN. 4-11/16" SQ. x 2-1/8"D BOX WITH DEDICATED 1"C STUBBED UP TO ABOVE ACCESSIBLE CEILING OR HOMERUN TO PATHWAY SYSTEM PULL BOX OR HOMERUN TO EQUIPMENT ROOM. U.O.N. PROVIDE BUSHINGS ON STUB UPS. SPECIFIC DEVICES AS FOLLOWS:
  - COMBINATION TEL/DATA (TELECOM) OUTLET
  - WALL DATA OUTLET. PROVIDE BACK BOX AND 1"C STUBBED UP TO 6" ABOVE ACCESSIBLE CEILING.
  - W — TELEPHONE OUTLET:
    'W' - DENOTES FOR WALL MOUNTED TELEPHONE
    'P' - DENOTES PUBLIC TELEPHONE
- D V J — FLOOR BOX WITH DEVICES INDICATED, BOX TYPE/STYLE AS NOTED ON PLAN.
- EM — EMERGENCY REFUGE AREA CALL STATION
- EM-MS — EMERGENCY REFUGE AREA CALL MASTER STATION
- GROUND BUS
- J H HR — CEILING, WALL MOUNTED JUNCTION BOX.
  - TAIL DENOTES CONNECTION TO EQUIPMENT AS REQUIRED
  'HR' - DENOTES HOMERUN JUNCTION BOX
- PULLBOX
- WIREWAY
- 5 — MOTOR WITH JUNCTION BOX AND FLEXIBLE CONDUIT CONNECTION
  '5' - DENOTES HORSEPOWER
- S_T — MANUAL MOTOR STARTER WITH THERMAL OVERLOADS
- S_M — MOTOR RATED SWITCH
- A B J — FUSED DISCONNECT SWITCH:
  'A' - DENOTES SWITCH SIZE
  'B' - DENOTES FUSE SIZE
- A J — UNFUSED DISCONNECT SWITCH:
  'A' - DENOTES SWITCH SIZE
- A B T 2 — COMBINATION MOTOR STARTER (WITH FUSED DISCONNECT SWITCH):
  'A' - DENOTES RATING
  'B' - DENOTES TRIP
  '2' - DENOTES NEMA SIZE
- T 2 — MOTOR STARTER:
  '2' - DENOTES NEMA SIZE
- N A E — AUTOMATIC TRANSFER SWITCH
- VFD — VARIABLE FREQUENCY DRIVE
- VSD — VARIABLE SPEED DRIVE
- A — AMPERMETER
- V — VOLTMETER
- T — TRANSFORMER

WIRING SYSTEM

- G — CONDUIT RUN CONCEALED:
  - TICK MARKS INDICATE NUMBER OF WIRES CONTAINED IN CONDUIT
  - TICK WITH 'G' INDICATES SEPARATE INSULATED GROUND WIRE (PROVIDE IN ALL CONDUITS WHETHER SHOWN OR NOT)
- CONDUIT RUN EXPOSED ON CEILING AND WALLS
- CONDUIT RUN CONCEALED AT FLOOR BELOW
- CONDUIT RUN CONCEALED IN SLAB
- LP-3A #1,3,5(R) — CIRCUIT HOMERUN TO PANELBOARD AND CIRCUITS INDICATED
  - ARROWS DENOTE NUMBER OF CIRCUITS
  (R) - DENOTES CIRCUIT VIA RELAY FOR CONTROL
  (PC) - DENOTES VIA PHOTOCELL FOR CONTROL
- DP-A #2 — MULTI-POLE CIRCUIT HOMERUN TO PANELBOARD AND CIRCUITS INDICATED
- CONDUIT TURNING UP
- CONDUIT TURNING DOWN
- CONDUIT OR CONDUIT SLEEVE WITH BUSHINGS
- PULL/SPLICE BOX WITH FEEDER TAP
- PULL/BOX WITH CABLE SUPPORT
- C MI — CABLE IN CONDUIT ('C') TO MI CABLE ('MI') TRANSITION BOX
- CURRENT TRANSFORMER
- POTENTIAL TRANSFORMER
- PT
- EM — INTEGRAL ELECTRONIC CUSTOMER METERING
- GROUND
- LIGHTNING ARRESTER
- CIRCUIT BREAKER
- UNFUSED SWITCH
- FUSED SWITCH

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ELECTRICAL SYMBOLS LIST

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Schematic Design

ABBREVIATIONS

A	AMPERE
AC	ALTERNATING CURRENT
AFF	ABOVE FINISHED FLOOR
ARCH	ARCHITECTURAL
ATS	AUTOMATIC TRANSFER SWITCH
A/C	AIR CONDITIONING
BT	BOOK THEFT
C	CONDUIT
CAB	CABINET
CAT	CATEGORY
CLG	CEILING
CB	CIRCUIT BREAKER
CKT(S)	CIRCUIT(S)
CM	CONTROL MODULE
COL	COLUMN
CSB	CABLE SUPPORT BOX
DEM	DEMOLISH - DISCONNECT AND REMOVE
DWG	DRAWING
DP	DISTRIBUTION PANEL (208/120V)
E	EXISTING TO REMAIN
EC	EMPTY CONDUIT
ELEC	ELECTRIC
EM	EMERGENCY
EMR	ELEVATOR MECHANICAL ROOM
EP	EXPLOSION PROOF
ER	EXISTING TO REMAIN
ETR	EXISTING TO BE RELOCATED
EXH	EXHAUST
EXIST	EXISTING
EWC	ELECTRIC WATER COOLER
FL	FLOOR
FO	FIBER OPTIC
FOPP	FIBER OPTIC PATCH PANEL
FASS	FIRE ALARM SERVICE SWITCH
FRE	FIBERGLASS REINFORCED EXPOXY CONDUIT
FP	FIRE PUMP
FPSS	FIRE PUMP SERVICE SWITCH
G	GUARD
GND	GROUND
GFI	GROUND FAULT INTERRUPTER
GRC	GALVANIZED RIGID CONDUIT
IDF	INTERMEDIATE DISTRIBUTION FRAME
IG	ISOLATED GROUND
JB	JUNCTION BOX
KVA	KILOVOLT AMPERE
KW	KILOWATT
KWH	KILOWATT HOUR
LDF	LOCAL DISTRIBUTION FRAME
LP	LIGHTING PANEL
LS	LOUDSPEAKER
LSS	LOCAL SOUND SYSTEM
LTG	LIGHTING
LVRC	LOW VOLTAGE RELAY CONTROL
MATV	MASTER TELEVISION
MCC	MOTOR CONTROL CENTER
MDF	MAIN DISTRIBUTION FRAME
MECH	MECHANICAL
MER	MECHANICAL EQUIPMENT ROOM
MIC	MICROPHONE
MSB	MAIN SWITCHBOARD
MSSB	MAIN SERVICE SWITCHBOARD
MTD	MOUNTED
MDR	MAIN DISTRIBUTION ROOM
N	NEUTRAL
NIC	NOT IN CONTRACT
NC	NORMALLY CLOSED
NL	NIGHT LIGHT
N.O.	NORMALLY OPEN
P	POLE(S)
PB	PULL BOX
P&D	PLUMBING AND DRAINAGE
PNL	PANEL
PP	POWER PANEL
PR	PAIR
R	TO BE REMOVED
REL	RELOCATE
RC	REMOTE CONTROL
RGS	RIGID GALVANIZED STEEL CONDUIT
RP	RECEPTACLE PANEL
SOC	SCHOOL OPERATING CONSOLE
SP	SPARE
SSB	SOLID STATE BALLAST
STD	STANDARD
SW	SWITCH
SWBD	SWITCHBOARD
TCC	TEMPERATURE CONTROLS CONTRACTOR
TC	TELECOMMUNICATION CLOSET
TEL	TELEPHONE
TGB	TELECOMMUNICATION GROUNDING BUS BAR
TMGB	TELECOMMUNICATION MAIN GROUNDING BUS BAR
TV	TELEVISION
TYP	TYPICAL
UG	UNDER GROUND
UON	UNLESS OTHERWISE NOTED
UTP	UNSHIELDED TWISTED-PAIR
V	VOLT
W	WATT
WP	WEATHERPROOF

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ELECTRICAL ABBREVIATIONS & NOTES

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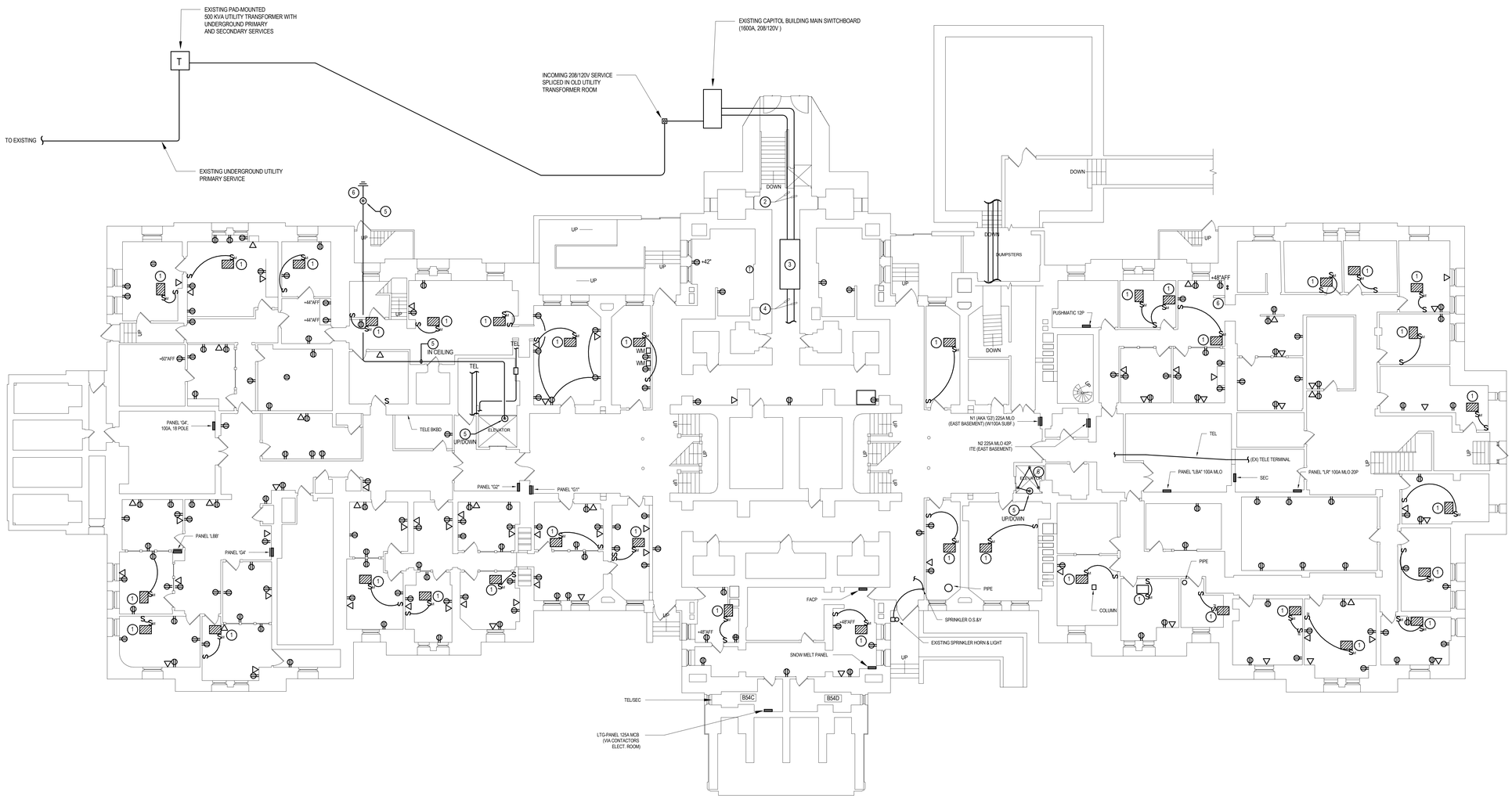


1 SELECTIVE REMOVAL GARDEN LEVEL POWER PLAN
1" = 10'-0"

7'-6" 2'-6"
10'-0" 5'-0" 0 10'-0" 20'-0" 40'-0"

GENERAL NOTES

1. ALL EXISTING ELECTRICAL EQUIPMENT, CONDUIT, WIRING, DEVICES, FIXTURES AND ALL ASSOCIATED SUPPORTS SHALL BE REMOVED THROUGHOUT THE ENTIRE BUILDING AND SITE.
2. EXISTING ELECTRICAL EQUIPMENT, CONDUIT, WIRING, DEVICES AND FIXTURES SHOWN REPRESENT EXISTING CONDITIONS OBTAINED FROM EXISTING DRAWINGS AND SITE PHOTOGRAPHS. EXISTING CONDITIONS SHOWN DO NOT REPRESENT ALL REMOVAL SCOPE, AS EXISTING DRAWINGS DOCUMENTATION IS INCOMPLETE, AREAS BLOCKED BY FURNITURE AND OTHER EXISTING CONDITIONS COULD NOT BE VERIFIED AND EXISTING CONDUIT AND WIRING ARE CONCEALED. THEREFORE, REMOVAL SCOPE IDENTIFIED IN NOTE #1 ABOVE SHALL NOT BE LIMITED TO EXISTING CONDITIONS SHOWN.
3. REFER TO 2EX611 FOR EXISTING SINGLE LINE OF EXISTING ELECTRICAL DISTRIBUTION SYSTEM.

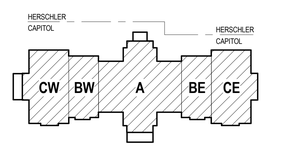
CONSTRUCTION NOTES

(#)

NUMBER	KEYNOTE
1.	EXISTING FAN COIL UNIT TO BE DISCONNIECTED AND REMOVED. REMOVE ASSOCIATED DISCONNECT, CONDUIT, AND WIRING BACK TO SOURCE PANEL.
2.	20+ FEEDERS TO CAPITOL BUILDING PANELS VIA SPLICE BOX IN GARDEN LEVEL CEILING.
3.	EXISTING SPLICE BOX IN GARDEN LEVEL CEILING.
4.	20+ FEEDERS TO CAPITOL BUILDING PANELS AND MAIN EQUIPMENT.
5.	DISCONNECT AND REMOVE EXISTING LIGHTNING PROTECTION SYSTEM DOWN CONDUCTOR (NLP #28 COPPER ROPE IN 1" PVC CONDUIT).
6.	DISCONNECT AND REMOVE EXISTING LIGHTNING PROTECTION SYSTEM DOWN CONDUCTOR AND GROUNDING SYSTEM.

GRAPHIC LEGEND

KEY PLAN



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SELECTIVE REMOVAL GARDEN LEVEL POWER PLAN

SCALE: As indicated

2ED100

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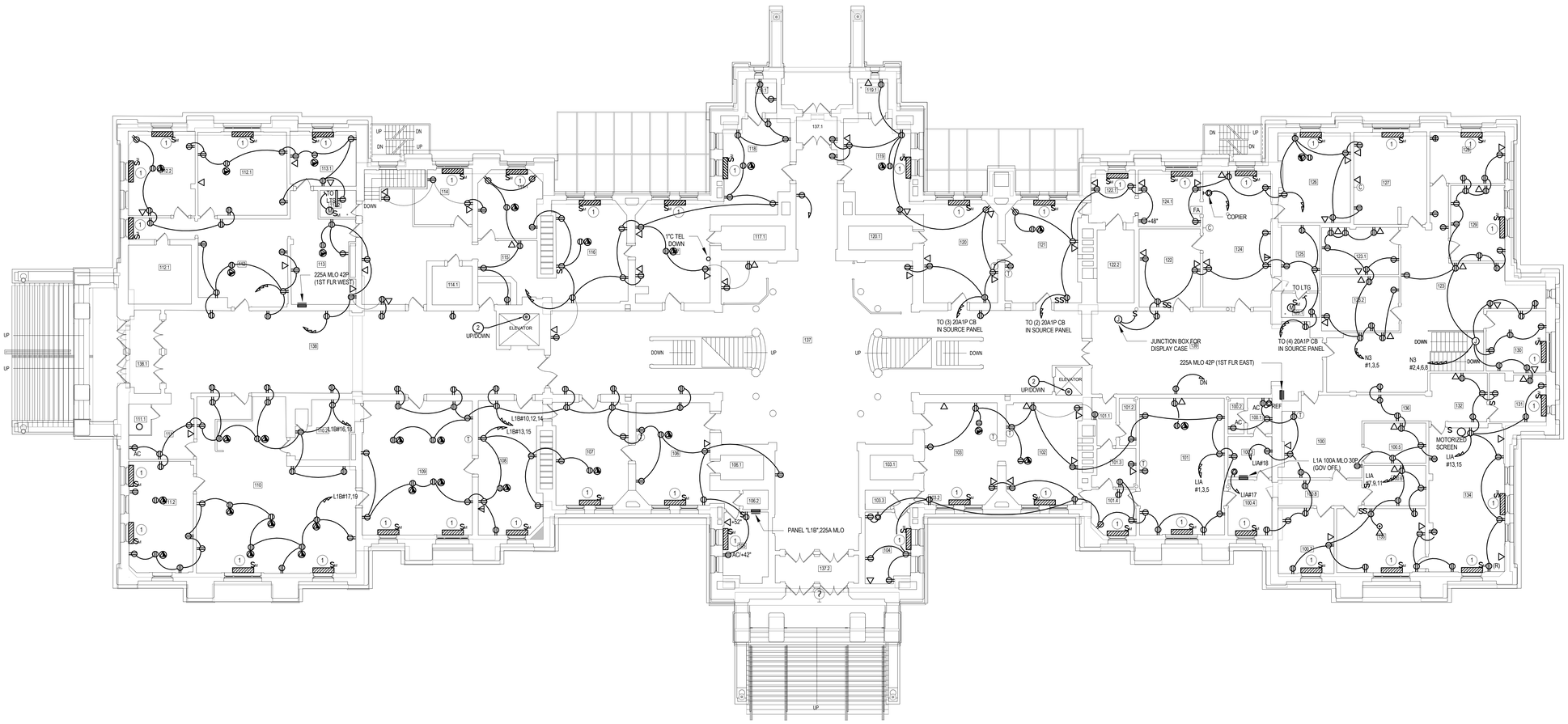


1 SELECTIVE REMOVAL FIRST FLOOR POWER PLAN
1" = 10'-0"

7'-6" 2'-6"
10'-0" 5'-0" 0 10'-0" 20'-0" 40'-0"

GENERAL NOTES

1. ALL EXISTING ELECTRICAL EQUIPMENT, CONDUIT, WIRING, DEVICES, FIXTURES AND ALL ASSOCIATED SUPPORTS SHALL BE REMOVED THROUGHOUT THE ENTIRE BUILDING AND SITE.
2. EXISTING ELECTRICAL EQUIPMENT, CONDUIT, WIRING, DEVICES AND FIXTURES SHOWN REPRESENT EXISTING CONDITIONS OBTAINED FROM EXISTING DRAWINGS AND SITE PHOTOGRAPHS. EXISTING CONDITIONS SHOWN DO NOT REPRESENT ALL REMOVAL SCOPE, AS EXISTING DRAWINGS DOCUMENTATION IS INCOMPLETE, AREAS BLOCKED BY FURNITURE AND OTHER EXISTING CONDITIONS COULD NOT BE VERIFIED AND EXISTING CONDUIT AND WIRING ARE CONCEALED. THEREFORE, REMOVAL SCOPE IDENTIFIED IN NOTE #1 ABOVE SHALL NOT BE LIMITED TO EXISTING CONDITIONS SHOWN.
3. REFER TO 2EX611 FOR EXISTING SINGLE LINE OF EXISTING ELECTRICAL DISTRIBUTION SYSTEM.

CONSTRUCTION NOTES

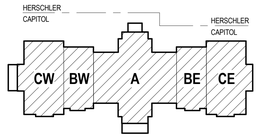
(#)

NUMBER KEYNOTE

1. EXISTING FAN COIL UNIT TO BE DISCONNECTED AND REMOVED. REMOVE ASSOCIATED DISCONNECT, CONDUIT, AND WIRING BACK TO SOURCE PANEL
2. DISCONNECT AND REMOVE EXISTING LIGHTNING PROTECTION SYSTEM DOWN CONDUCTOR (NLP #28 COPPER ROPE IN 1" PVC CONDUIT)..

GRAPHIC LEGEND

KEY PLAN



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PRELIMINARY
NOT FOR CONSTRUCTION

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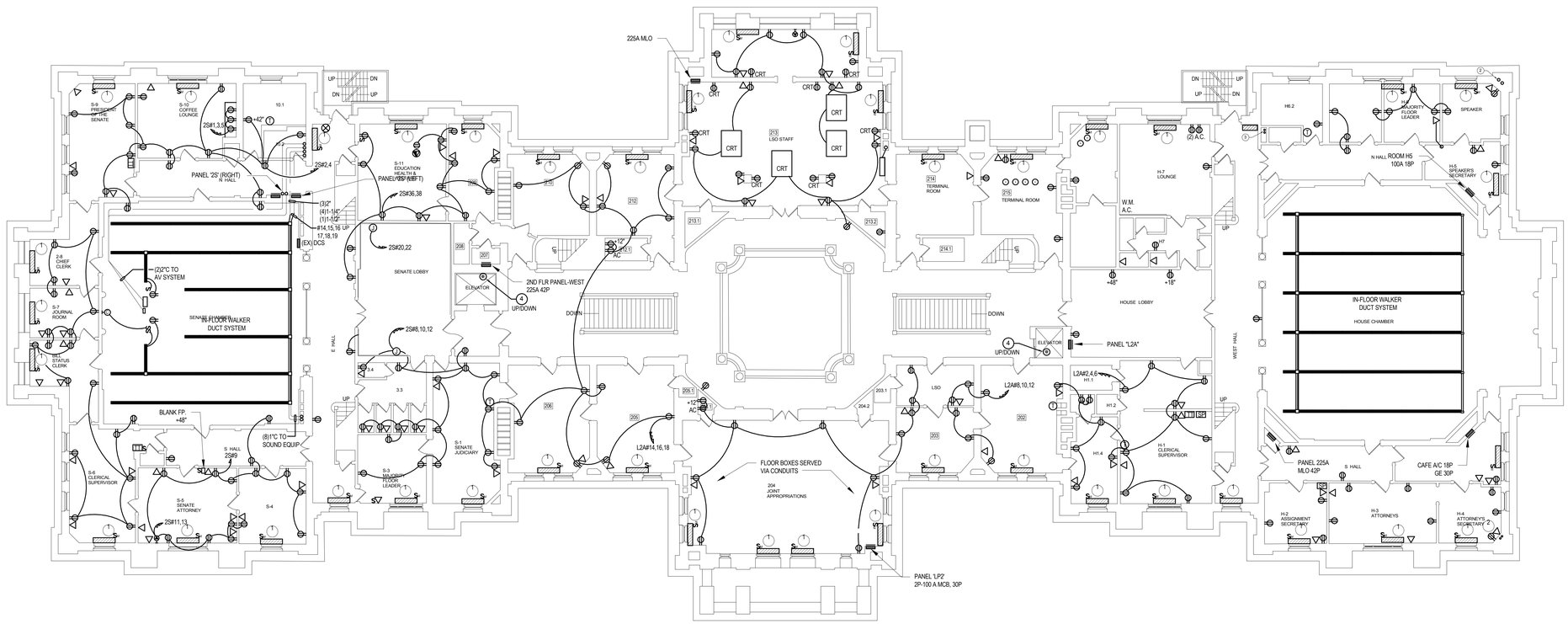
PKG. IDENTIFIER	2

SELECTIVE REMOVAL FIRST FLOOR POWER PLAN

SCALE: As indicated

2ED101

Schematic Design



1 SELECTIVE REMOVAL SECOND FLOOR POWER PLAN
1" = 10'-0"

7'-6" 2'-6"
10'-0" 5'-0" 0 10'-0" 20'-0" 40'-0"

GENERAL NOTES

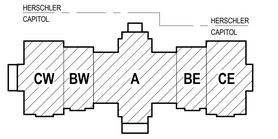
1. ALL EXISTING ELECTRICAL EQUIPMENT, CONDUIT, WIRING, DEVICES, FIXTURES AND ALL ASSOCIATED SUPPORTS SHALL BE REMOVED THROUGHOUT THE ENTIRE BUILDING AND SITE.
2. EXISTING ELECTRICAL EQUIPMENT, CONDUIT, WIRING, DEVICES AND FIXTURES SHOWN REPRESENT EXISTING CONDITIONS OBTAINED FROM EXISTING DRAWINGS AND SITE PHOTOGRAPHS. EXISTING CONDITIONS SHOWN DO NOT REPRESENT ALL REMOVAL SCOPE. AS EXISTING DRAWINGS DOCUMENTATION IS INCOMPLETE, AREAS BLOCKED BY FURNITURE AND OTHER EXISTING CONDITIONS COULD NOT BE VERIFIED AND EXISTING CONDUIT AND WIRING ARE CONCEALED. THEREFORE, REMOVAL SCOPE IDENTIFIED IN NOTE #1 ABOVE SHALL NOT BE LIMITED TO EXISTING CONDITIONS SHOWN.
3. REFER TO 2EX611 FOR EXISTING SINGLE LINE OF EXISTING ELECTRICAL DISTRIBUTION SYSTEM.

CONSTRUCTION NOTES

(#) NUMBER	KEYNOTE
1.	EXISTING FAN COIL UNIT TO BE DEMOLISHED. REMOVED ASSOCIATED DISCONNECT, CONDUIT, AND WIRING BACK TO SOURCE PANEL.
2.	3/4"C UP CHASE TO 3RD FLOOR & 1"C DOWN AND STUBBED OUT AT 1ST FLOOR.
3.	(2) 2"C DOWN TO MAINT TELEPHONE TERMINAL - SEE PARTIAL GARDEN LEVEL ELEC PLAN.
4.	DISCONNECT AND REMOVE EXISTING LIGHTNING PROTECTION SYSTEM DOWN CONDUCTOR (NLP #28 COPPER ROPE IN 1" PVC CONDUIT).

GRAPHIC LEGEND

KEY PLAN



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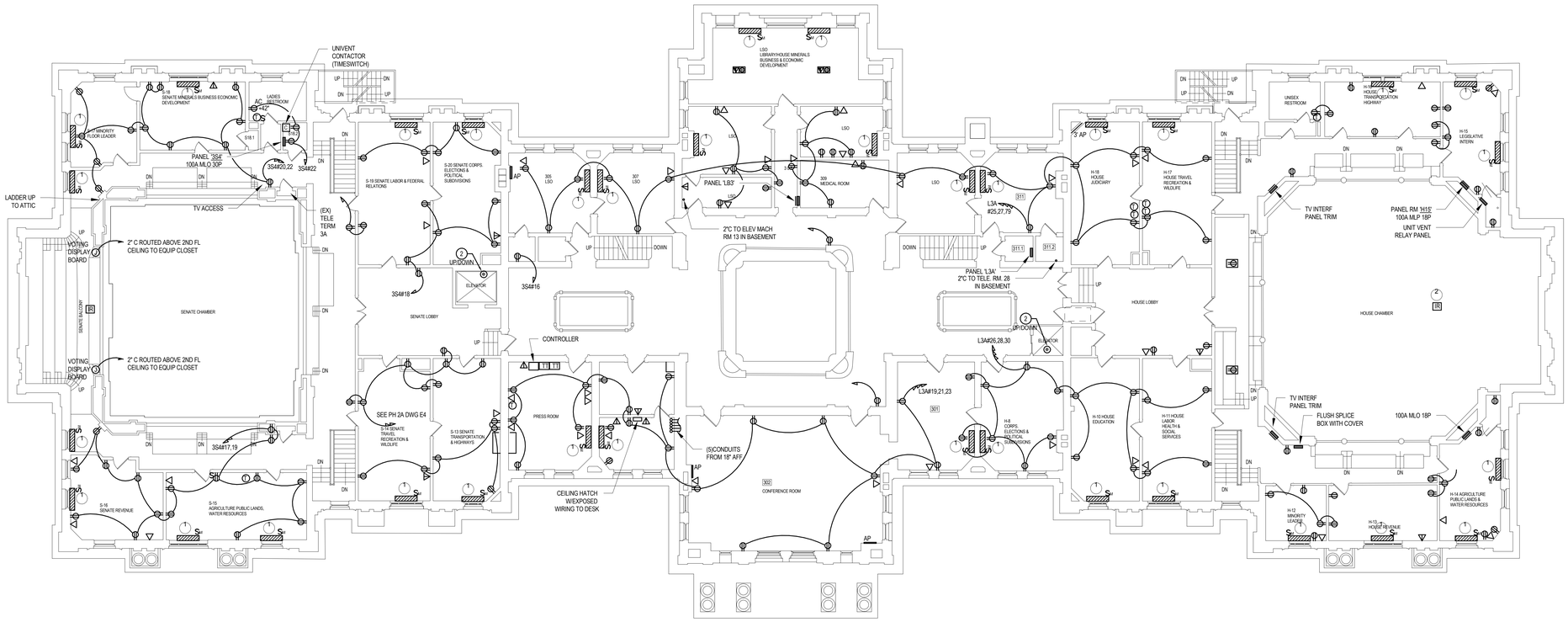
SELECTIVE REMOVAL SECOND FLOOR POWER PLAN

SCALE: As indicated

2ED102

Schematic Design



1 SELECTIVE REMOVAL THIRD FLOOR POWER PLAN
1" = 10'-0"

7'-6" 2'-6"
10'-0" 5'-0" 0 10'-0" 20'-0" 40'-0"

GENERAL NOTES

1. ALL EXISTING ELECTRICAL EQUIPMENT, CONDUIT, WIRING, DEVICES, FIXTURES AND ALL ASSOCIATED SUPPORTS SHALL BE REMOVED THROUGHOUT THE ENTIRE BUILDING AND SITE.
2. EXISTING ELECTRICAL EQUIPMENT, CONDUIT, WIRING, DEVICES AND FIXTURES SHOWN REPRESENT EXISTING CONDITIONS OBTAINED FROM EXISTING DRAWINGS AND SITE PHOTOGRAPHS. EXISTING CONDITIONS SHOWN DO NOT REPRESENT ALL REMOVAL SCOPE, AS EXISTING DRAWINGS DOCUMENTATION IS INCOMPLETE. AREAS BLOCKED BY FURNITURE AND OTHER EXISTING CONDITIONS COULD NOT BE VERIFIED AND EXISTING CONDUIT AND WIRING ARE CONCEALED. THEREFORE, REMOVAL SCOPE IDENTIFIED IN NOTE #1 ABOVE SHALL NOT BE LIMITED TO EXISTING CONDITIONS SHOWN.
3. REFER TO 2ED611 FOR EXISTING SINGLE LINE OF EXISTING ELECTRICAL DISTRIBUTION SYSTEM.

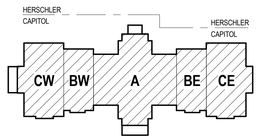
CONSTRUCTION NOTES

(#)

NUMBER	KEYNOTE
1.	EXISTING FAN COIL UNIT TO BE DEMOLISHED. REMOVED ASSOCIATED DISCONNECT, CONDUIT, AND WIRING BACK TO SOURCE PANEL.
2.	DISCONNECT AND REMOVE EXISTING LIGHTNING PROTECTION SYSTEM DOWN CONDUCTOR (NLP #28 COPPER ROPE IN 1" PVC CONDUIT).

GRAPHIC LEGEND

KEY PLAN



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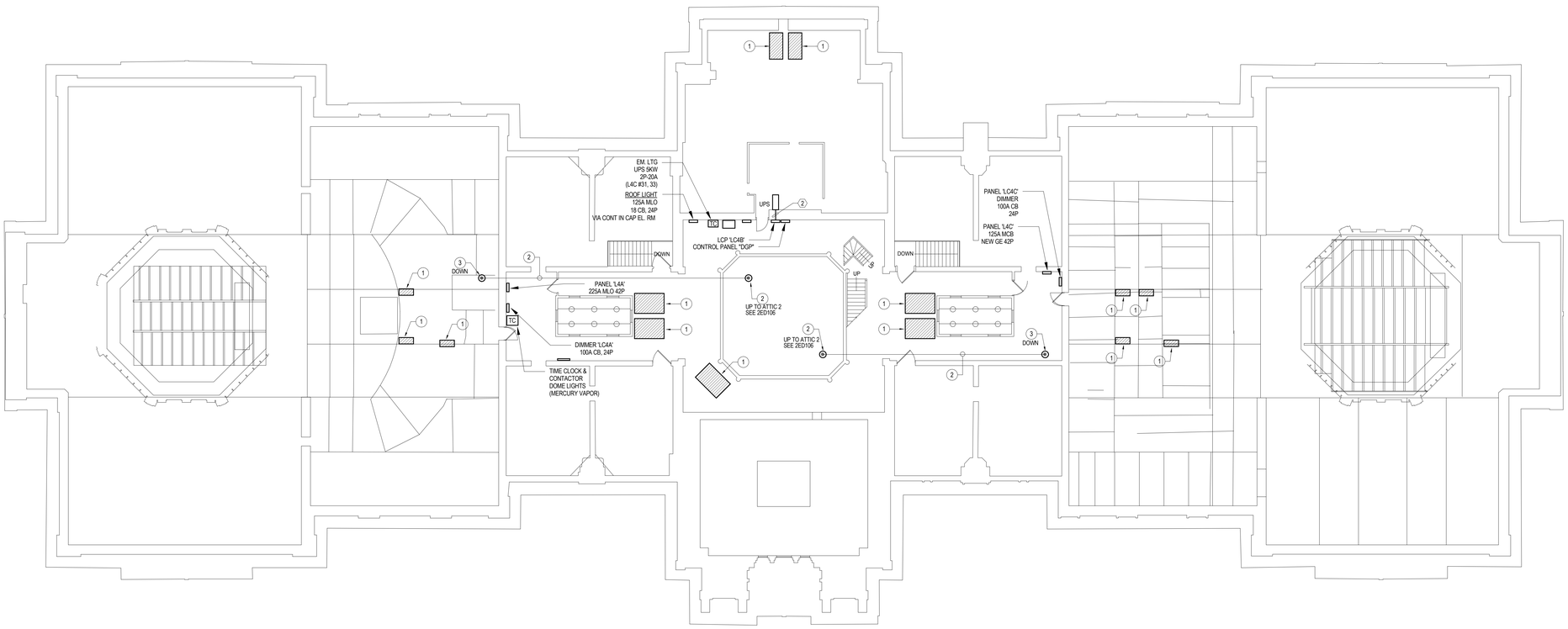
SELECTIVE REMOVAL THIRD FLOOR POWER PLAN

SCALE As indicated

2ED103

Schematic Design



1 SELECTIVE REMOVAL ATTIC 1 POWER PLAN
1" = 10'-0"

7'-6" 2'-6"
10'-0" 5'-0" 0 10'-0" 20'-0" 40'-0"

GENERAL NOTES

1. ALL EXISTING ELECTRICAL EQUIPMENT, CONDUIT, WIRING, DEVICES, FIXTURES AND ALL ASSOCIATED SUPPORTS SHALL BE REMOVED THROUGHOUT THE ENTIRE BUILDING AND SITE.
2. EXISTING ELECTRICAL EQUIPMENT, CONDUIT, WIRING, DEVICES AND FIXTURES SHOWN REPRESENT EXISTING CONDITIONS OBTAINED FROM EXISTING DRAWINGS AND SITE PHOTOGRAPHS. EXISTING CONDITIONS SHOWN DO NOT REPRESENT ALL REMOVAL SCOPE, AS EXISTING DRAWINGS DOCUMENTATION IS INCOMPLETE, AREAS BLOCKED BY FURNITURE AND OTHER EXISTING CONDITIONS COULD NOT BE VERIFIED AND EXISTING CONDUIT AND WIRING ARE CONCEALED. THEREFORE, REMOVAL SCOPE IDENTIFIED IN NOTE #1 ABOVE SHALL NOT BE LIMITED TO EXISTING CONDITIONS SHOWN.
3. REFER TO 2EX611 FOR EXISTING SINGLE LINE OF EXISTING ELECTRICAL DISTRIBUTION SYSTEM.

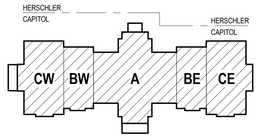
CONSTRUCTION NOTES

(#)

NUMBER	KEYNOTE
1.	EXISTING MECHANICAL EQUIPMENT TO BE REMOVED. DISCONNECT AND REMOVE EXISTING ELECTRICAL DISCONNECT SWITCH/STARTER AND ALL ASSOCIATED CONDUIT AND WIRING BACK TO SOURCE.
2.	DISCONNECT AND REMOVE EXISTING LIGHTNING PROTECTION SYSTEM DOWN CONDUCTOR (NLP #28 COPPER ROPE IN 1" PVC CONDUIT).
3.	DISCONNECT AND REMOVE LIGHTNING PROTECTION SYSTEM CONDUCTOR RUN DOWN ELEVATOR SHAFT TO HORIZONTAL TRANSITION IN GARDEN LEVEL.

GRAPHIC LEGEND

KEY PLAN



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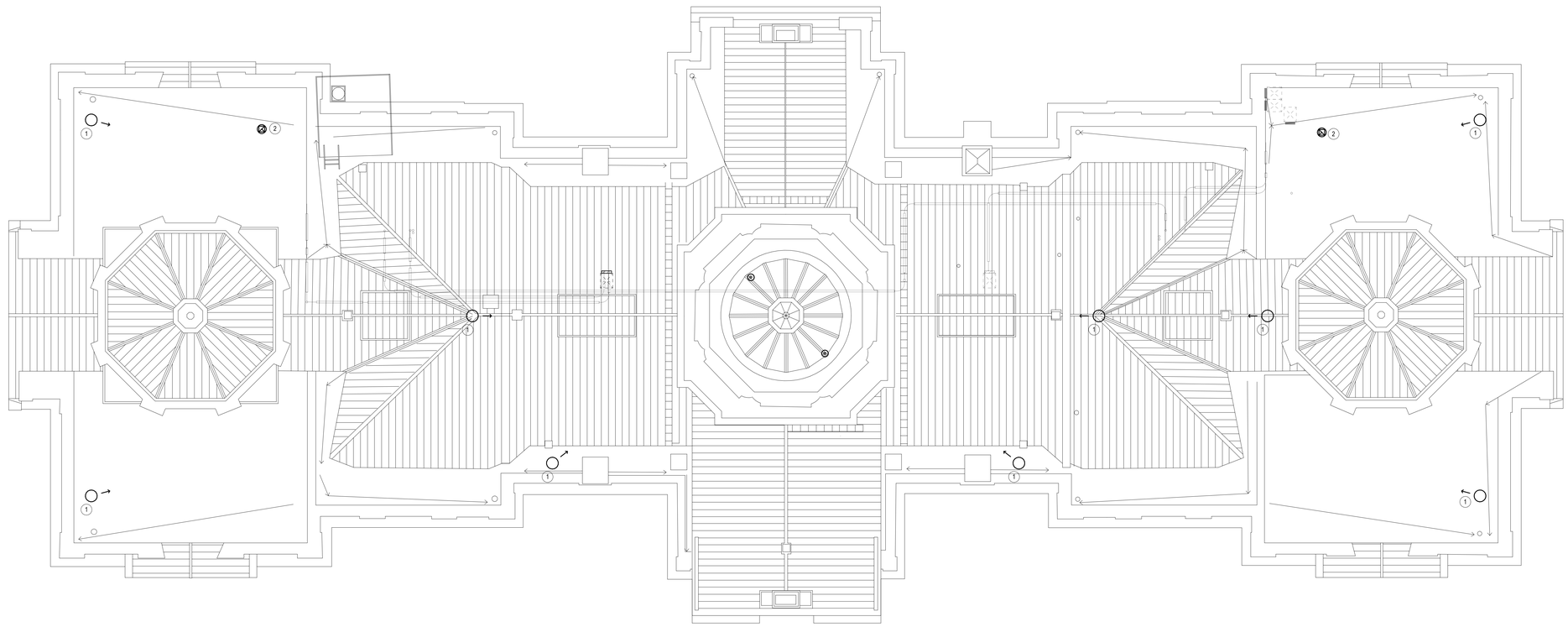
SELECTIVE REMOVAL ATTIC 1 POWER PLAN

SCALE: As indicated

2ED104

Schematic Design



1 SELECTIVE REMOVAL ROOF POWER & LIGHTING PLAN
1" = 10'-0"

7'-6" 2'-6"
10'-0" 5'-0" 0 10'-0" 20'-0" 40'-0"

GENERAL NOTES

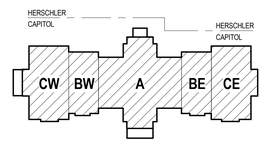
1. ALL EXISTING ELECTRICAL EQUIPMENT, CONDUIT, WIRING, DEVICES, FIXTURES AND ALL ASSOCIATED SUPPORTS SHALL BE REMOVED THROUGHOUT THE ENTIRE BUILDING AND SITE.
2. EXISTING ELECTRICAL EQUIPMENT, CONDUIT, WIRING, DEVICES AND FIXTURES SHOWN REPRESENT EXISTING CONDITIONS OBTAINED FROM EXISTING DRAWINGS AND SITE PHOTOGRAPHS. EXISTING CONDITIONS SHOWN DO NOT REPRESENT ALL REMOVAL SCOPE, AS EXISTING DRAWINGS DOCUMENTATION IS INCOMPLETE, AREAS BLOCKED BY FURNITURE AND OTHER EXISTING CONDITIONS COULD NOT BE VERIFIED AND EXISTING CONDUIT AND WIRING ARE CONCEALED. THEREFORE, REMOVAL SCOPE IDENTIFIED IN NOTE #1 ABOVE SHALL NOT BE LIMITED TO EXISTING CONDITIONS SHOWN.
3. REFER TO 2E601 FOR EXISTING SINGLE LINE OF EXISTING ELECTRICAL DISTRIBUTION SYSTEM.

CONSTRUCTION NOTES

# NUMBER	KEYNOTE
1.	DISCONNECT AND REMOVE EXISTING LIGHT FIXTURE AND SUPPORT AND ASSOCIATED CONDUIT AND WIRING BACK TO SOURCE.
2.	EXISTING EXHAUST FAN TO BE REMOVED. DISCONNECT AND REMOVE EXISTING ELECTRICAL DISCONNECT SWITCH/STARTER AND ALL ASSOCIATED CONDUIT AND WIRING BACK TO SOURCE.
3.	DISCONNECT AND REMOVE EXISTING LIGHTNING PROTECTION SYSTEM DOWN CONDUCTOR (NLP #28 COPPER ROPE IN 1" PVC CONDUIT).

GRAPHIC LEGEND

KEY PLAN



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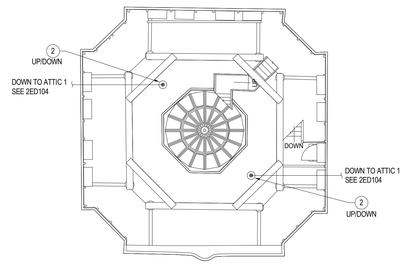
SELECTIVE REMOVAL ROOF POWER & LIGHTING PLAN

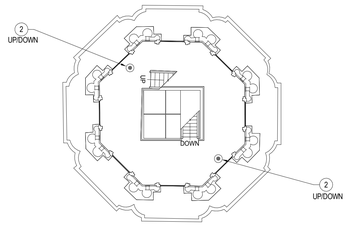
SCALE: As indicated

2ED105

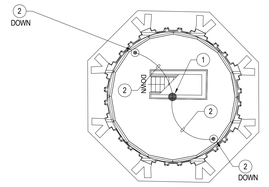
Schematic Design



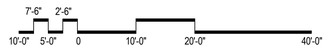
1 SELECTIVE REMOVAL ATTIC 2 POWER PLAN
1" = 10'-0"



2 SELECTIVE REMOVAL DOME 1 POWER PLAN
1" = 10'-0"



3 SELECTIVE REMOVAL DOME 2 POWER PLAN
1" = 10'-0"



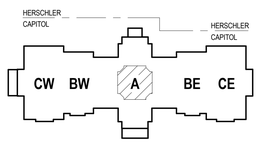
GENERAL NOTES

CONSTRUCTION NOTES

NUMBER	KEYNOTE
1.	DISCONNECT AND REMOVE EXISTING LIGHTNING PROTECTION SYSTEM AIR TERMINAL AT TOP EXTERIOR OF DOME.
2.	DISCONNECT AND REMOVE EXISTING LIGHTNING PROTECTION SYSTEM DOWN CONDUCTOR (NLP #28 COPPER ROPE IN 1" PVC CONDUIT).

GRAPHIC LEGEND

KEY PLAN



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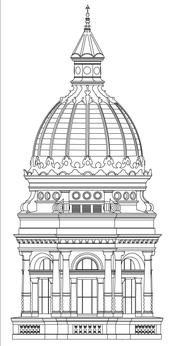
Administration & Information
Construction Management



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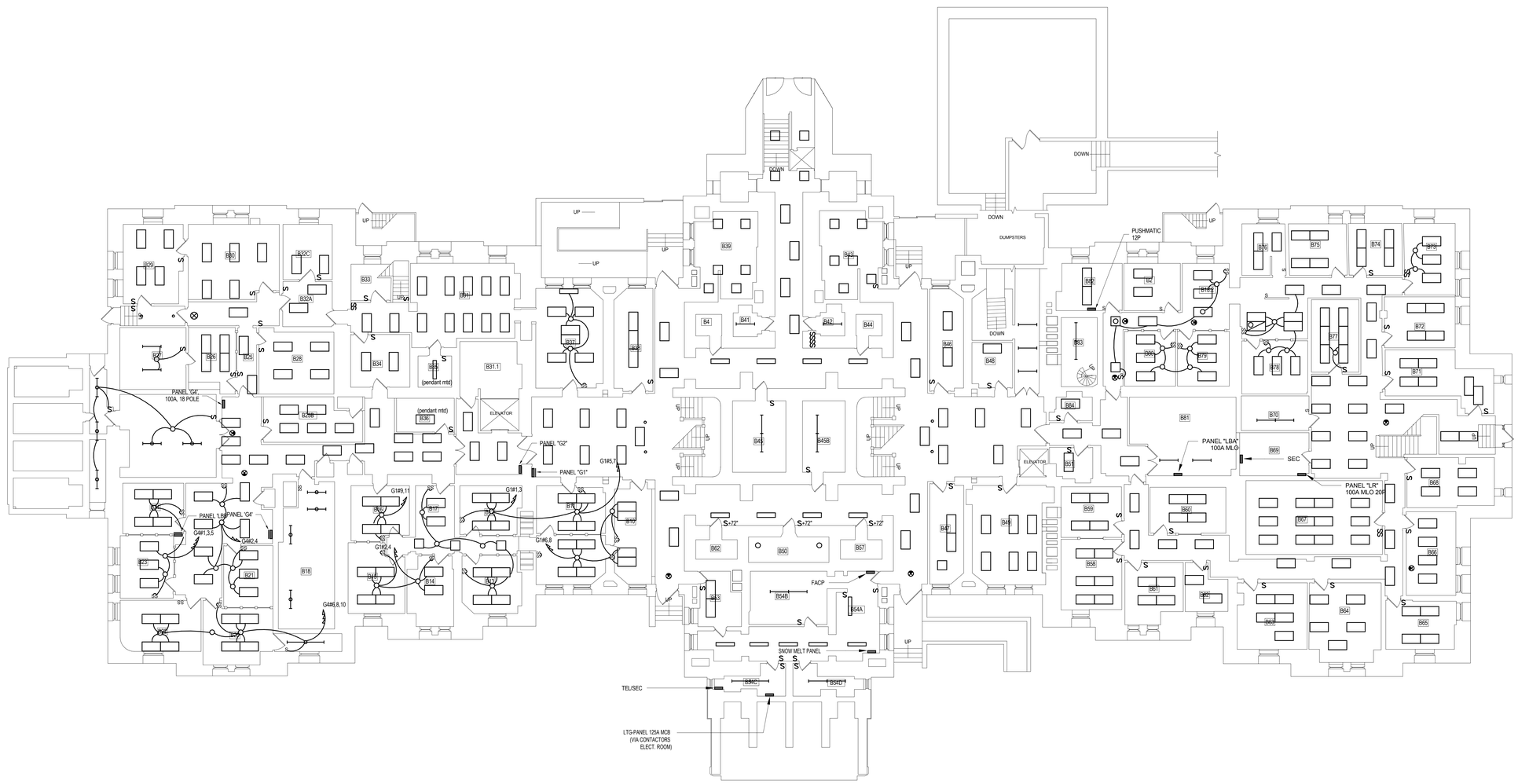
PKG. IDENTIFIER	2

SELECTIVE REMOVAL ATTIC 2, DOME 1 & DOME 2 POWER & LIGHTING PLANS

SCALE: As indicated

2ED106

Schematic Design



1 SELECTIVE REMOVAL GARDEN LEVEL LIGHTING PLAN
1" = 10'-0"

7'-6" 2'-6"
10'-0" 5'-0" 0 10'-0" 20'-0" 40'-0"

GENERAL NOTES

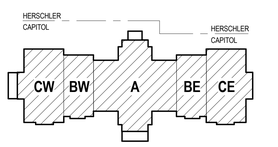
1. ALL EXISTING ELECTRICAL EQUIPMENT, CONDUIT, WIRING, DEVICES, FIXTURES AND ALL ASSOCIATED SUPPORTS SHALL BE REMOVED THROUGHOUT THE ENTIRE BUILDING AND SITE.
2. EXISTING ELECTRICAL EQUIPMENT, CONDUIT, WIRING, DEVICES AND FIXTURES SHOWN REPRESENT EXISTING CONDITIONS OBTAINED FROM EXISTING DRAWINGS AND SITE PHOTOGRAPHS. EXISTING CONDITIONS SHOWN DO NOT REPRESENT ALL REMOVAL SCOPE, AS EXISTING DRAWINGS DOCUMENTATION IS INCOMPLETE. AREAS BLOCKED BY FURNITURE AND OTHER EXISTING CONDITIONS COULD NOT BE VERIFIED AND EXISTING CONDUIT AND WIRING ARE CONCEALED. THEREFORE, REMOVAL SCOPE IDENTIFIED IN NOTE #1 ABOVE SHALL NOT BE LIMITED TO EXISTING CONDITIONS SHOWN.
3. DISCONNECT AND REMOVE EXISTING LIGHTNING FIXTURES, ELECTRICAL DEVICES, AND ASSOCIATED WIRING AND CONDUIT. QTY AND LOCATION TO BE CONFIRMED.
4. REMOVALS AND PROTECTION OF HISTORIC LIGHTING FIXTURES SHALL BE IN ACCORDANCE WITH HISTORIC LIGHTING SPEC SECTION 265200. REFER TO LIGHTING PLANS FOR FIXTURE IDENTIFICATION.

CONSTRUCTION NOTES

(#) NUMBER	KEYNOTE
1.	##

GRAPHIC LEGEND

KEY PLAN



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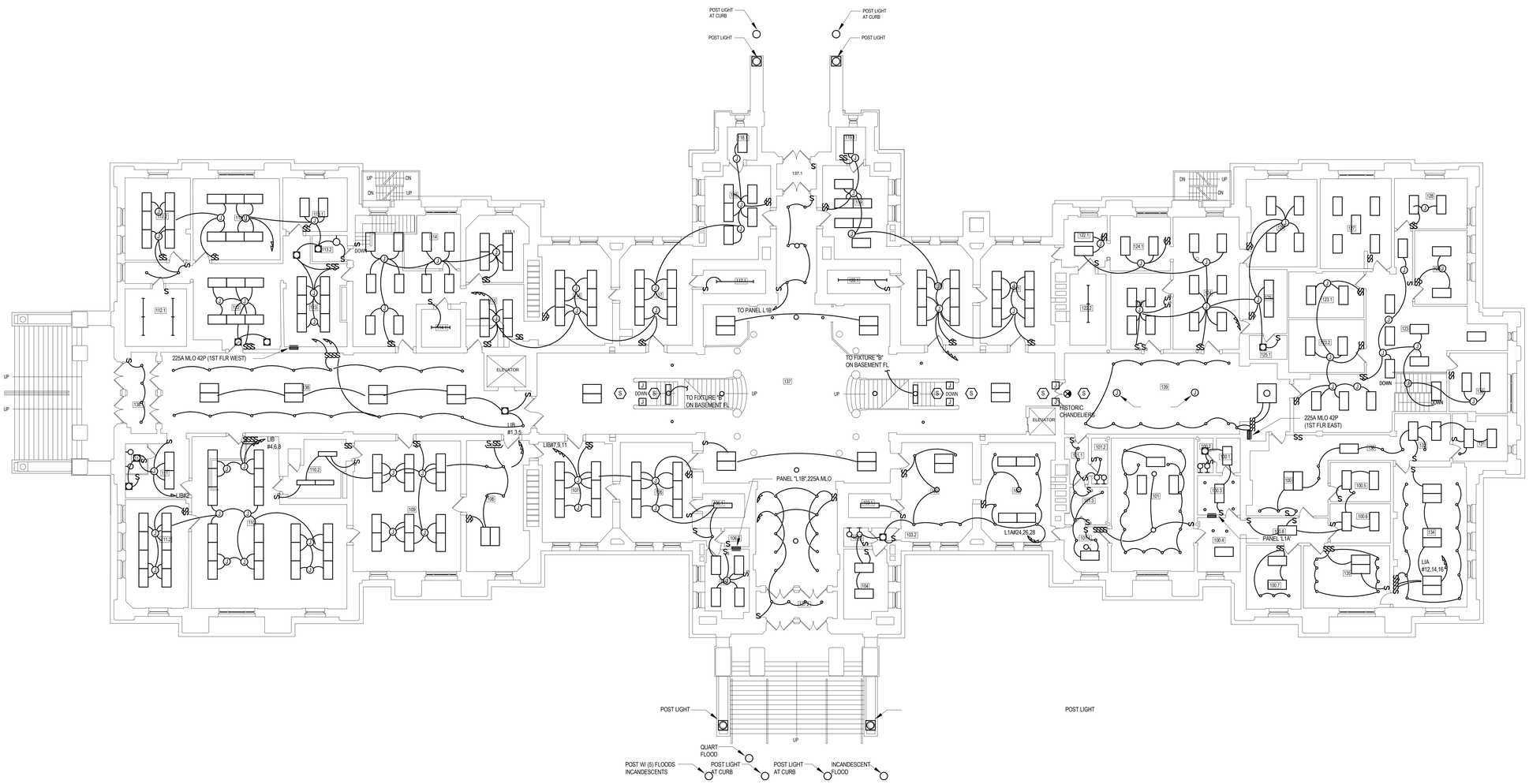
SELECTIVE REMOVAL GARDEN LEVEL LIGHTING PLAN

SCALE: As indicated

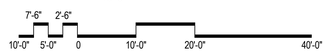
2ED150

Schematic Design



POST LIGHT

1 SELECTIVE REMOVAL FIRST FLOOR LIGHTING PLAN
1" = 10'-0"



GENERAL NOTES

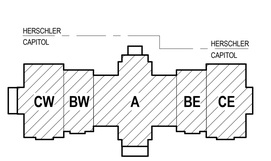
1. ALL EXISTING ELECTRICAL EQUIPMENT, CONDUIT, WIRING, DEVICES, FIXTURES AND ALL ASSOCIATED SUPPORTS SHALL BE REMOVED THROUGHOUT ALL FLOORS UNLESS NOTED OTHERWISE.
2. EXISTING ELECTRICAL EQUIPMENT, CONDUIT, WIRING, DEVICES AND FIXTURES SHOWN REPRESENT EXISTING CONDITIONS OBTAINED FROM EXISTING DRAWINGS AND SITE PHOTOGRAPHS. EXISTING CONDITIONS SHOWN DO NOT REPRESENT ALL REMOVAL SCOPE, AS EXISTING DRAWINGS DOCUMENTATION IS INCOMPLETE, AREAS BLOCKED BY FURNITURE AND OTHER EXISTING CONDITIONS COULD NOT BE VERIFIED AND EXISTING CONDUIT AND WIRING ARE CONCEALED. THEREFORE, REMOVAL SCOPE IDENTIFIED IN NOTE #1 ABOVE SHALL NOT BE LIMITED TO EXISTING CONDITIONS SHOWN.
3. DISCONNECT AND REMOVE EXISTING LIGHTNING FIXTURES, ELECTRICAL DEVICES, AND ASSOCIATED WIRING AND CONDUIT. QTY AND LOCATION TO BE CONFIRMED.
4. REMOVALS AND PROTECTION OF HISTORIC LIGHTING FIXTURES SHALL BE IN ACCORDANCE WITH HISTORIC LIGHTING SPEC SECTION 265200. REFER TO LIGHTING PLANS FOR FIXTURE IDENTIFICATION.

CONSTRUCTION NOTES

(#) NUMBER	KEYNOTE
1.	##

GRAPHIC LEGEND

KEY PLAN



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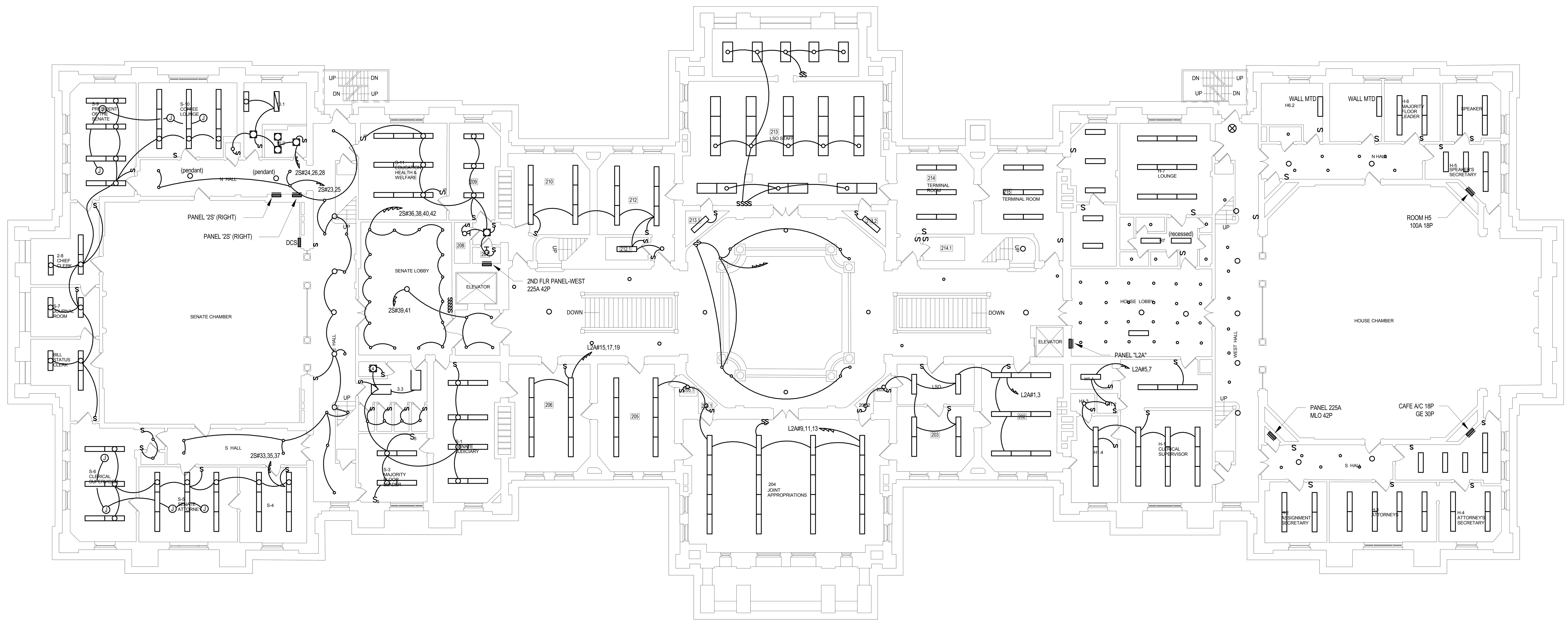
SELECTIVE REMOVAL FIRST FLOOR LIGHTING PLAN

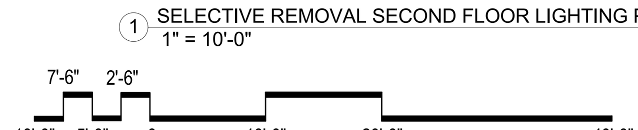
SCALE: As indicated

2ED151

Schematic Design



1 SELECTIVE REMOVAL SECOND FLOOR LIGHTING PLAN
1" = 10'-0"



GENERAL NOTES

1. ALL EXISTING ELECTRICAL EQUIPMENT, CONDUIT, WIRING, DEVICES, FIXTURES AND ALL ASSOCIATED SUPPORTS SHALL BE REMOVED THROUGHOUT THE ENTIRE BUILDING AND SITE.
2. EXISTING ELECTRICAL EQUIPMENT, CONDUIT, WIRING, DEVICES AND FIXTURES SHOWN REPRESENT EXISTING CONDITIONS OBTAINED FROM EXISTING DRAWINGS AND SITE PHOTOGRAPHS. EXISTING CONDITIONS SHOWN DO NOT REPRESENT ALL REMOVAL SCOPE, AS EXISTING DRAWINGS DOCUMENTATION IS INCOMPLETE, AREAS BLOCKED BY FURNITURE AND OTHER EXISTING CONDITIONS COULD NOT BE VERIFIED AND EXISTING CONDUIT AND WIRING ARE CONCEALED. THEREFORE, REMOVAL SCOPE IDENTIFIED IN NOTE #1 ABOVE SHALL NOT BE LIMITED TO EXISTING CONDITIONS SHOWN.
3. DISCONNECT AND REMOVE EXISTING LIGHTNING FIXTURES, ELECTRICAL DEVICES, AND ASSOCIATED WIRING AND CONDUIT. QTY AND LOCATION TO BE CONFIRMED.
4. REMOVALS AND PROTECTION OF HISTORIC LIGHTING FIXTURES SHALL BE IN ACCORDANCE WITH HISTORIC LIGHTING SPEC SECTION 265200. REFER TO LIGHTING PLANS FOR FIXTURE IDENTIFICATION.

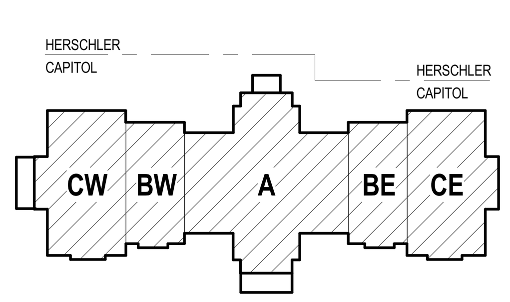
CONSTRUCTION NOTES

#

NUMBER	KEYNOTE
1.	##

GRAPHIC LEGEND

KEY PLAN



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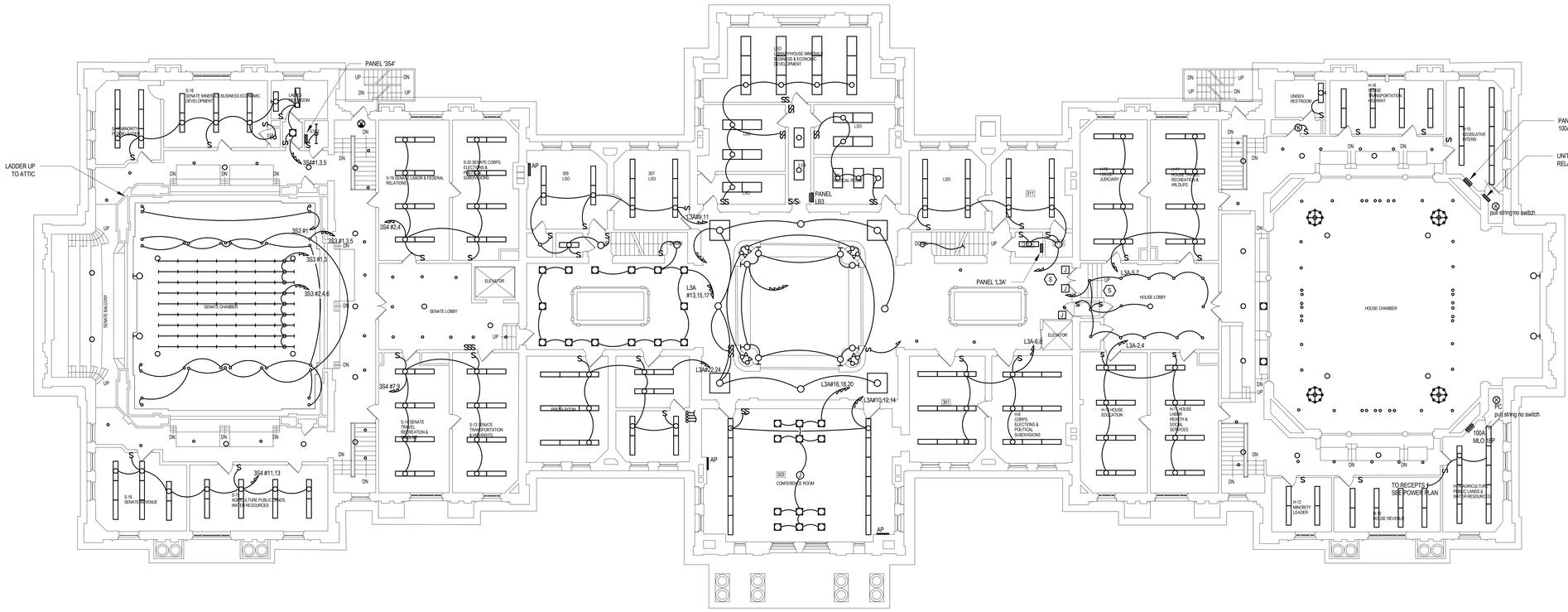
SELECTIVE REMOVAL SECOND FLOOR LIGHTING PLAN

SCALE	As indicated

2ED152

Schematic Design



1 SELECTIVE REMOVAL THIRD FLOOR LIGHTING PLAN
1" = 10'-0"

7'-6" 2'-6"
10'-0" 5'-0" 0 10'-0" 20'-0" 40'-0"

GENERAL NOTES

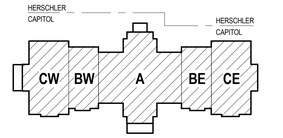
1. ALL EXISTING ELECTRICAL EQUIPMENT, CONDUIT, WIRING, DEVICES, FIXTURES AND ALL ASSOCIATED SUPPORTS SHALL BE REMOVED THROUGHOUT THE ENTIRE EXISTING CONDUIT SYSTEM.
2. ALL EXISTING ELECTRICAL EQUIPMENT, CONDUIT, WIRING, DEVICES, FIXTURES AND ALL ASSOCIATED SUPPORTS SHALL BE REMOVED THROUGHOUT THE ENTIRE EXISTING CONDUIT SYSTEM. EXISTING ELECTRICAL EQUIPMENT, CONDUIT, WIRING, DEVICES AND FIXTURES SHOWN REPRESENT EXISTING CONDITIONS OBTAINED FROM EXISTING DRAWINGS AND SITE PHOTOGRAPHS. EXISTING CONDITIONS SHOWN DO NOT REPRESENT ALL REMOVAL SCOPE. AS EXISTING DRAWINGS DOCUMENTATION IS INCOMPLETE, AREAS BLOCKED BY FURNITURE AND OTHER EXISTING CONDITIONS COULD NOT BE VERIFIED AND EXISTING CONDUIT AND WIRING ARE CONCEALED. THEREFORE, REMOVAL SCOPE IDENTIFIED IN NOTE #1 ABOVE SHALL NOT BE LIMITED TO EXISTING CONDITIONS SHOWN.
3. DISCONNECT AND REMOVE EXISTING LIGHTNING FIXTURES, ELECTRICAL DEVICES, AND ASSOCIATED WIRING AND CONDUIT. QTY AND LOCATION TO BE CONFIRMED.
4. REMOVALS AND PROTECTION OF HISTORIC LIGHTING FIXTURES SHALL BE IN ACCORDANCE WITH HISTORIC LIGHTING SPEC SECTION 265200. REFER TO LIGHTING PLANS FOR FIXTURE IDENTIFICATION.

CONSTRUCTION NOTES

# NUMBER	KEYNOTE
1.	EXISTING LIGHTING CONTROL KEYPAD. DISCONNECT AND REMOVE EXISTING CONDUIT AND WIRING BACK TO SOURCE.
2.	EXISTING CEILING MOUNTED INFRARED RECEIVER WITH 4 SCENE REMOTE CONTROL SHALL BE DISCONNECTED AND REMOVED BACK TO SOURCE.

GRAPHIC LEGEND

KEY PLAN



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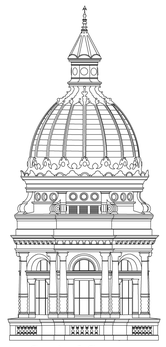

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LORING CONSULTING ENGINEERS

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NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION
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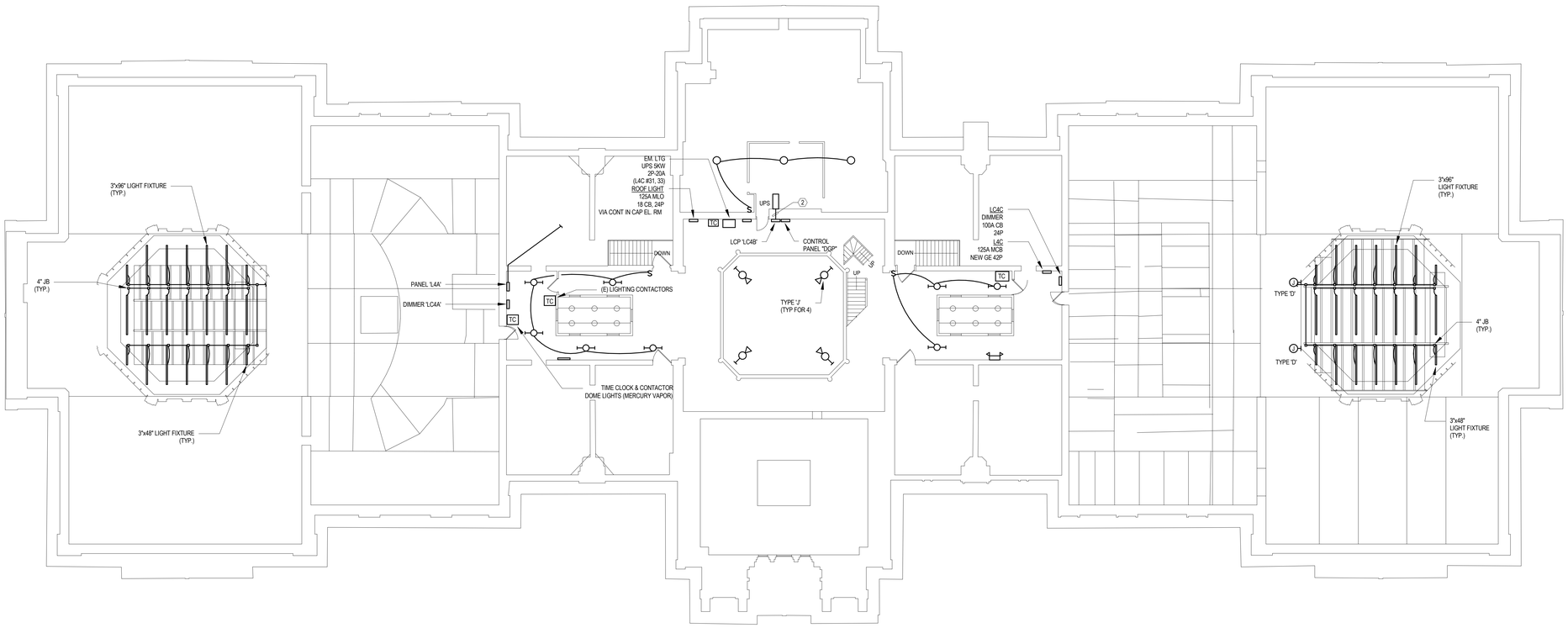
PKG. IDENTIFIER	2

SELECTIVE REMOVAL THIRD FLOOR LIGHTING PLAN

SCALE: As indicated

2ED153

Schematic Design



1 SELECTIVE REMOVAL ATTIC 1 LIGHTING PLAN
1" = 10'-0"

7'-6" 2'-6"
10'-0" 5'-0" 0 10'-0" 20'-0" 40'-0"

GENERAL NOTES

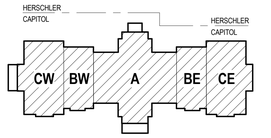
1. ALL EXISTING ELECTRICAL EQUIPMENT, CONDUIT, WIRING, DEVICES, FIXTURES AND ALL ASSOCIATED SUPPORTS SHALL BE REMOVED THROUGHOUT THE ENTIRE CONDUIT SYSTEM.
2. ALL EXISTING ELECTRICAL EQUIPMENT, CONDUIT, WIRING, DEVICES, FIXTURES AND ALL ASSOCIATED SUPPORTS SHALL BE EXISTING TO REMAIN, UNLESS NOTED OTHERWISE. EXISTING ELECTRICAL EQUIPMENT, CONDUIT, WIRING, DEVICES AND FIXTURES SHOWN REPRESENT EXISTING CONDITIONS OBTAINED FROM EXISTING DRAWINGS AND SITE PHOTOGRAPHS. EXISTING CONDITIONS SHOWN DO NOT REPRESENT ALL REMOVAL SCOPE, AS EXISTING DRAWINGS DOCUMENTATION IS INCOMPLETE, AREAS BLOCKED BY FURNITURE AND OTHER EXISTING CONDITIONS COULD NOT BE VERIFIED AND EXISTING CONDUIT AND WIRING ARE CONCEALED. THEREFORE, REMOVAL SCOPE IDENTIFIED IN NOTE #1 ABOVE SHALL NOT BE LIMITED TO EXISTING CONDITIONS SHOWN.

CONSTRUCTION NOTES

(#) NUMBER	KEYNOTE
1.	##

GRAPHIC LEGEND

KEY PLAN



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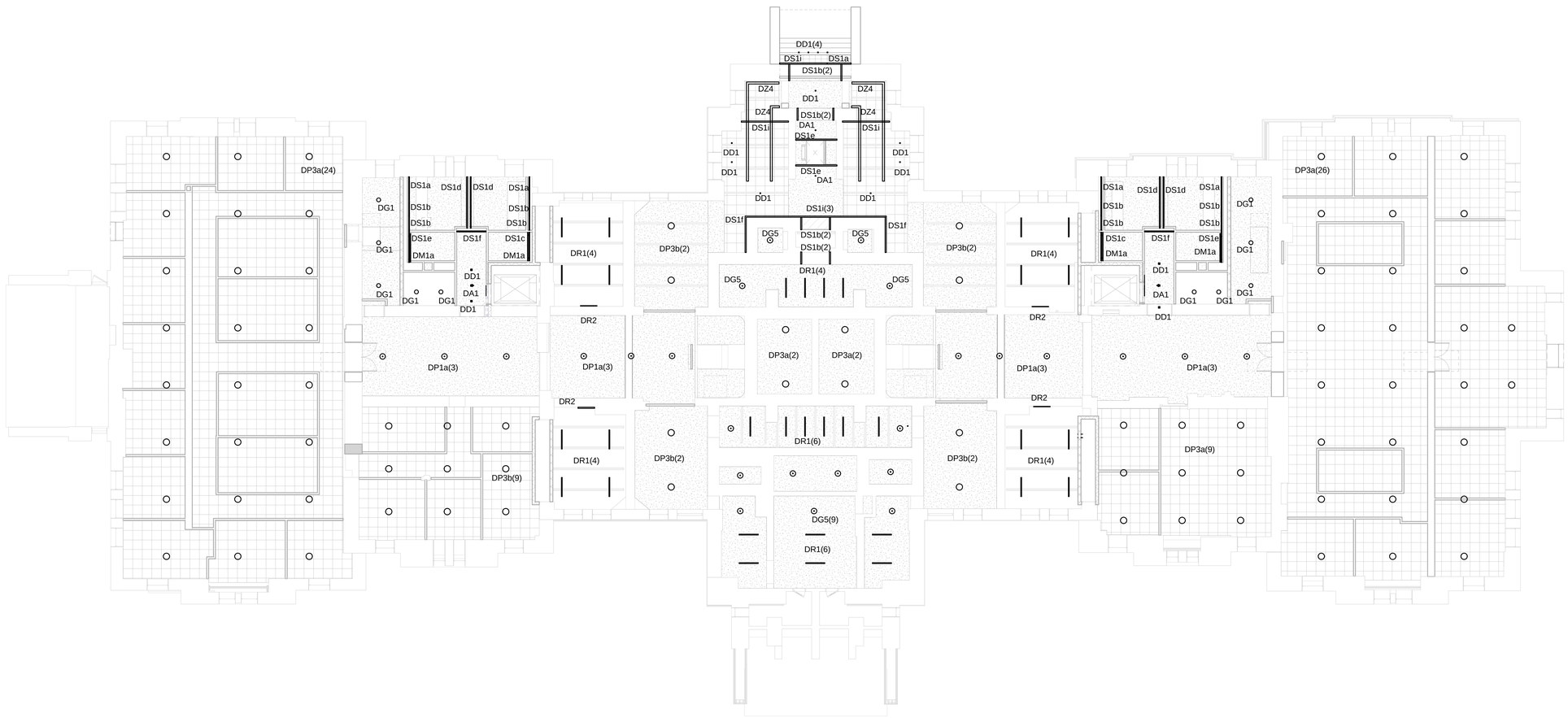
SELECTIVE REMOVAL ATTIC 1 LIGHTING PLAN

SCALE: As indicated

2ED154

Schematic Design



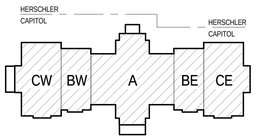
1 CAPITOL GARDEN LEVEL
1" = 10'-0"

GENERAL NOTES

CONSTRUCTION NOTES

GRAPHIC LEGEND

KEY PLAN



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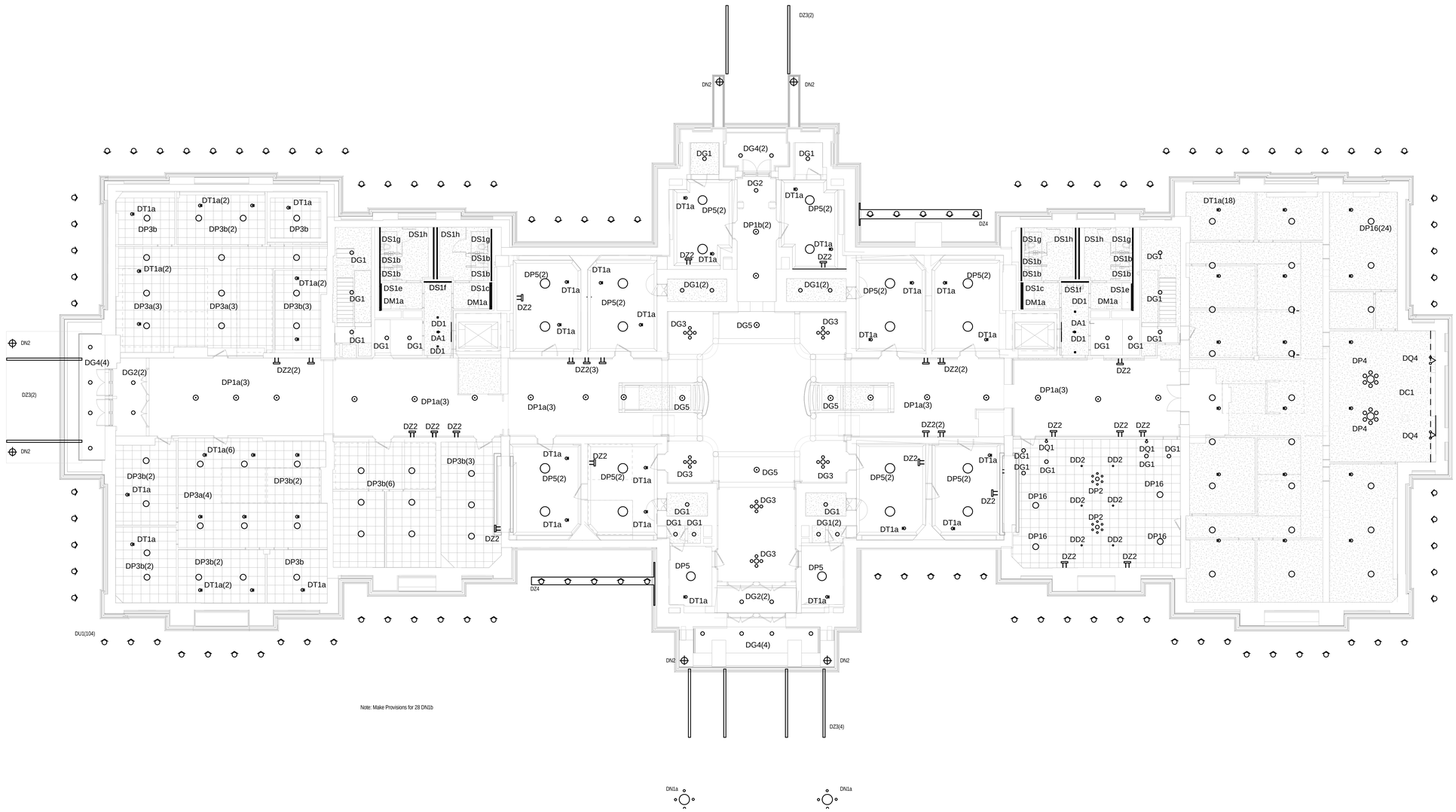
PROPOSED LIGHTING PLAN GARDEN LEVEL

SCALE 1" = 10'-0"

2EL150AL

Schematic Design



Note: Make Provisions for 28 DN1b

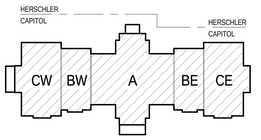
1 CAPITOL FIRST FLOOR
1" = 10'-0"

GENERAL NOTES

CONSTRUCTION NOTES

GRAPHIC LEGEND

KEY PLAN



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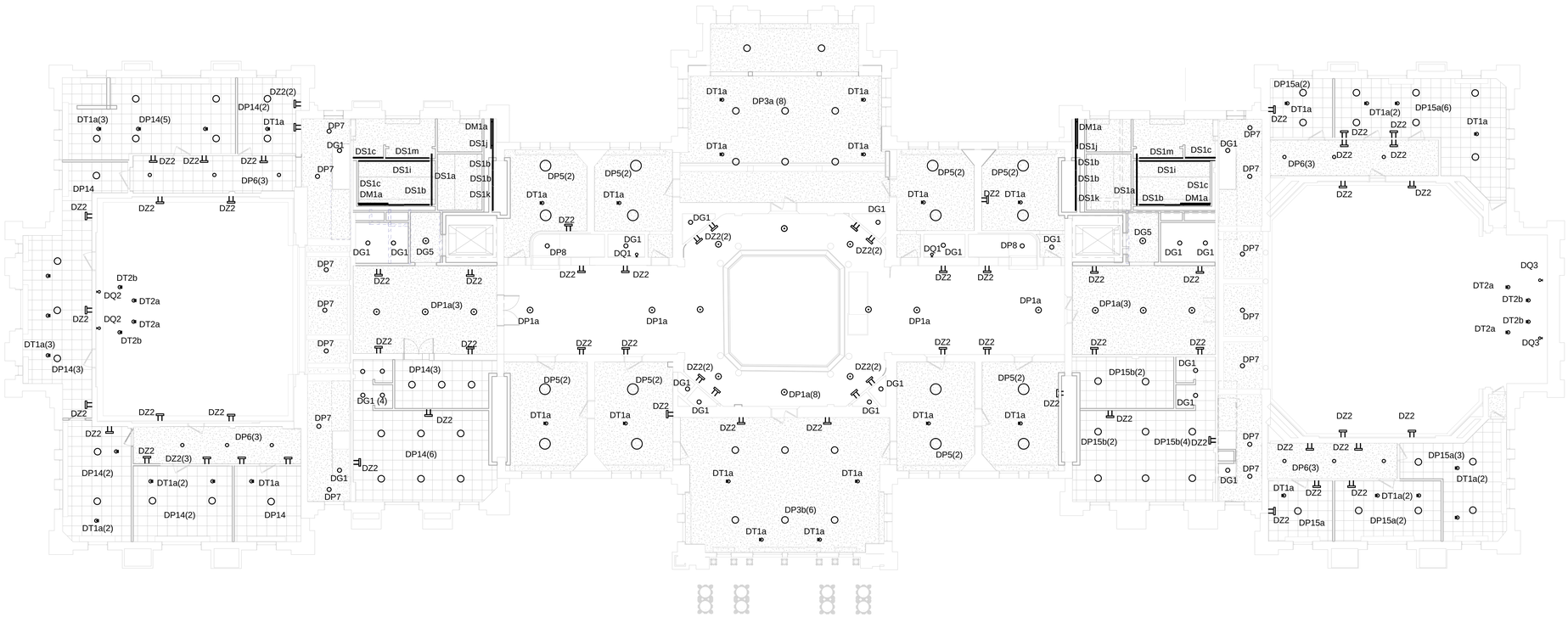
PROPOSED
LIGHTING PLAN
FIRST FLOOR

SCALE 1" = 10'-0"

2EL151AL

Schematic Design



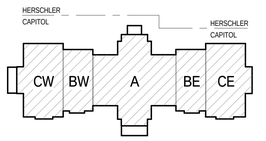
1 CAPITOL SECOND FLOOR
1" = 10'-0"

GENERAL NOTES

CONSTRUCTION NOTES

GRAPHIC LEGEND

KEY PLAN



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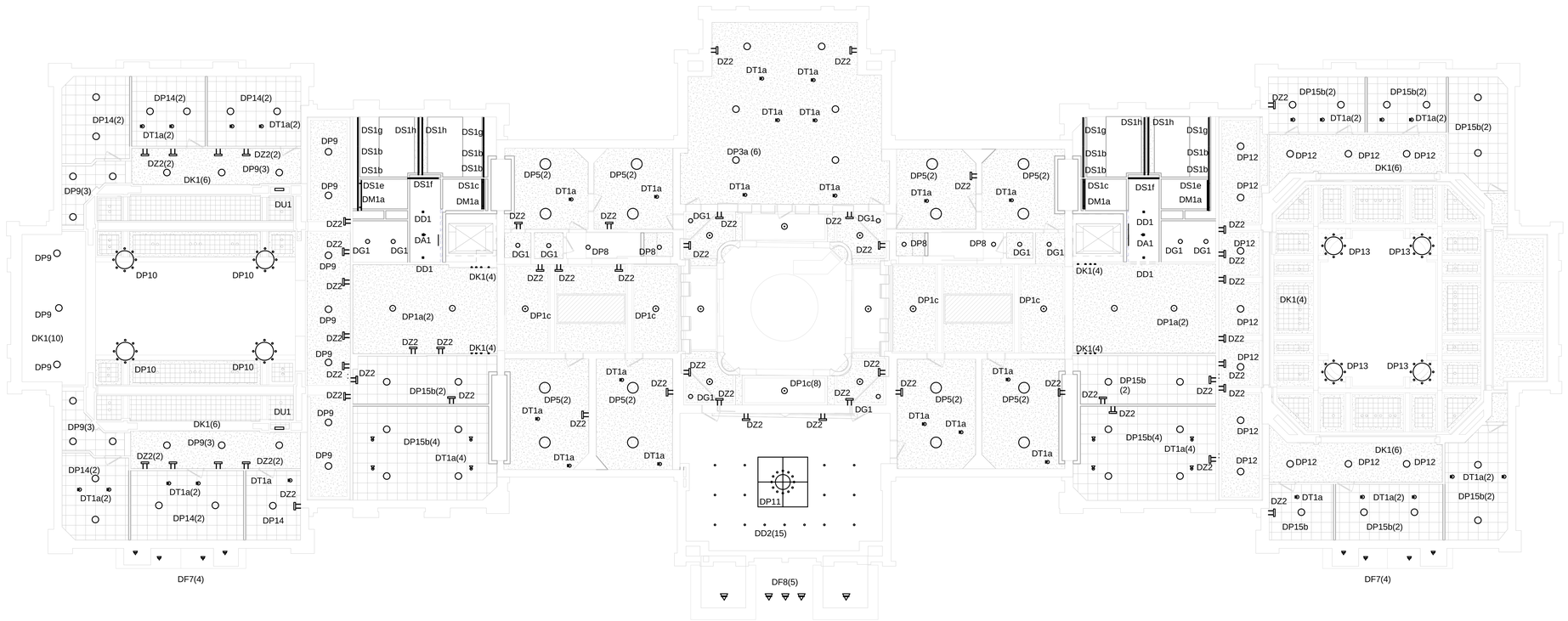
PKG. IDENTIFIER	2

PROPOSED LIGHTING PLAN SECOND FLOOR

SCALE 1" = 10'-0"

2EL152AL

Schematic Design



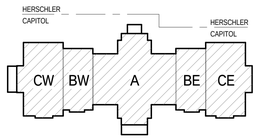
1 CAPITOL THIRD FLOOR
1" = 10'-0"

GENERAL NOTES

CONSTRUCTION NOTES

GRAPHIC LEGEND

KEY PLAN



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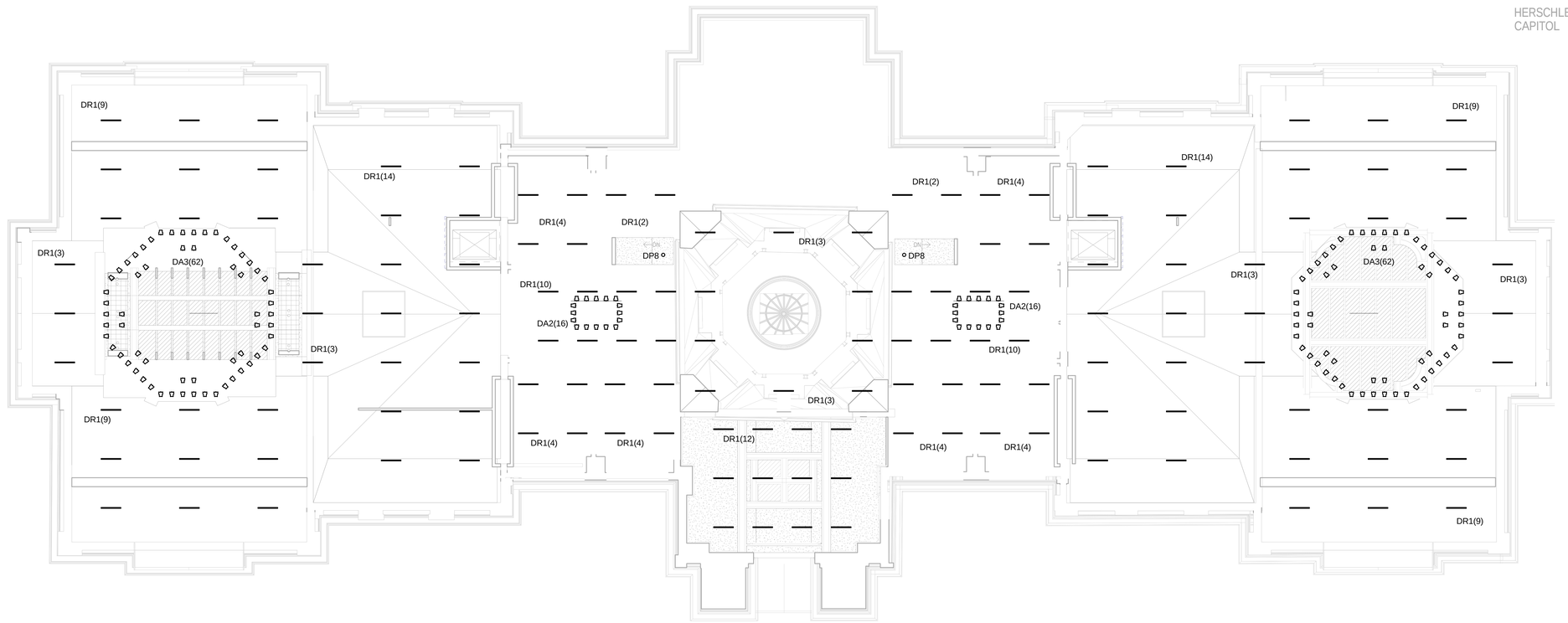
PROPOSED LIGHTING PLAN THIRD FLOOR

SCALE 1" = 10'-0"

2EL153AL

Schematic Design



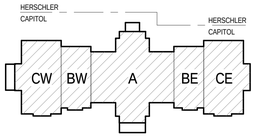
1 CAPITOL ATTIC
1" = 10'-0"

GENERAL NOTES

CONSTRUCTION NOTES

GRAPHIC LEGEND

KEY PLAN



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PROPOSED LIGHTING PLAN ATTIC 1

SCALE 1" = 10'-0"

2EL154AL

Schematic Design

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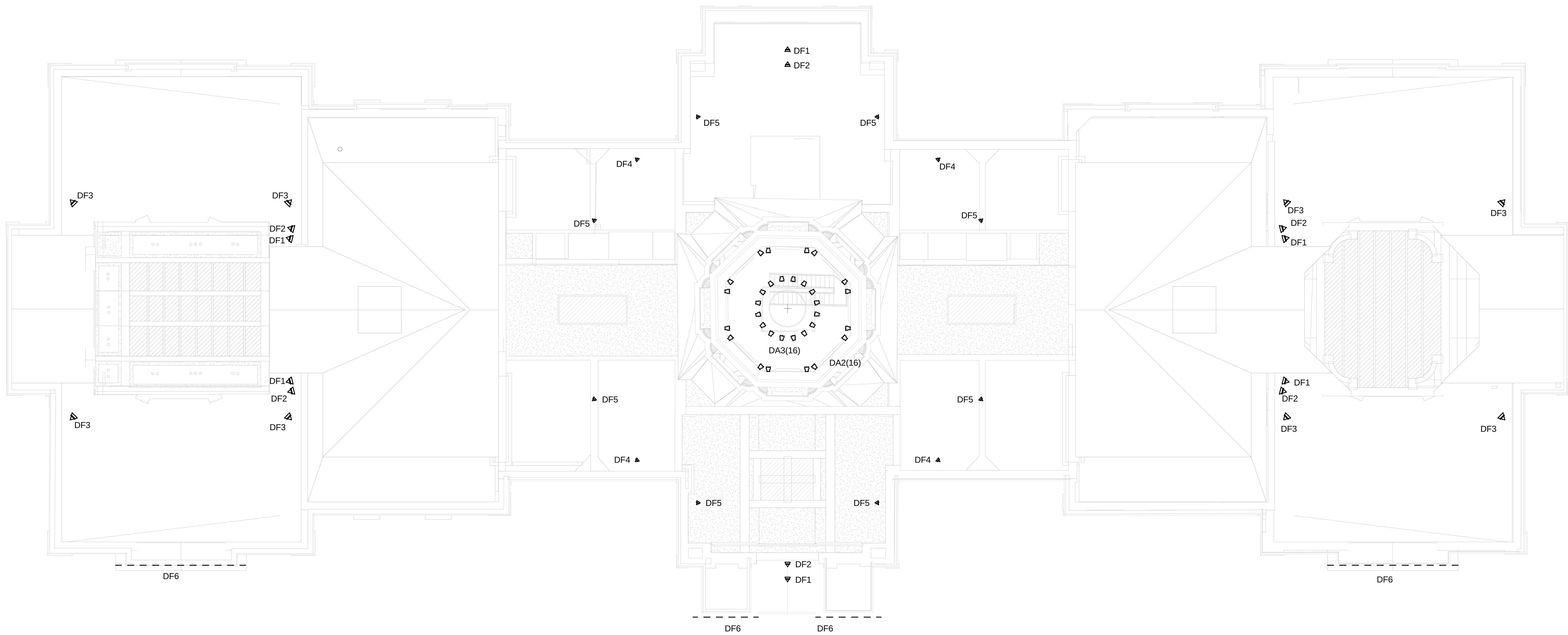


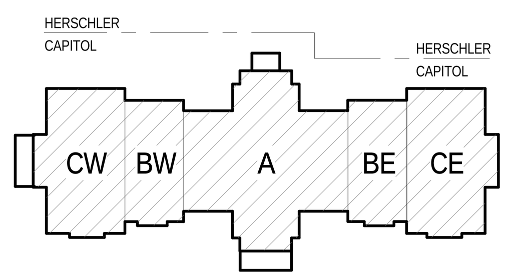
1 CAPITOL ROOF
1" = 10'-0"

GENERAL NOTES

CONSTRUCTION NOTES

GRAPHIC LEGEND

KEY PLAN



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PROPOSED LIGHTING PLAN ROOF

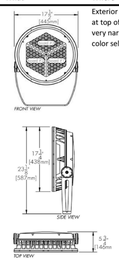
SCALE 1" = 10'-0"

2EL155AL

Schematic Design

Lighting	
SCHEMATIC DESIGN - for purposes of scope (this luminaire schedule will be superseded by Specification Sections 265100 and 265600 in later phases)	
NOTE 1	Installation shall be made by a licensed Electrician in accordance with all Vendors' instructions; all necessary components, including auxiliary devices, programming, and commissioning; with standard care and practice consistent with a project of this scale and scope; and with the NEC and all applicable local codes for a complete, fully functional system. Contractor shall determine need, if any, and implement all surge-protection devices deemed appropriate to protect loads/solid-state devices. Demolish existing recessed lighting equipment in all spaces where new lighting is shown, pending confirmation walk-through with Lighting Designer.
NOTE 2	Contractor shall coordinate with Architect all luminaire lengths and quantities with actual field conditions and architectural details.
NOTE 3	Contractor shall coordinate with Architect and Trades all mounting conditions and requirements and systems integration, including ceiling types, thicknesses, and finishes prior to releasing orders for respective lights. Contractor is responsible for obtaining and reviewing all current datasheets, shop drawings, and instructions and making provisions accordingly with Architect and Trades.
NOTE 4	Contractor shall coordinate all luminaire finishes with Architect.
NOTE 5	Contractor shall coordinate all plenum, IC, and ceiling requirements with Architect as necessary to accommodate specified lighting equipment in a code compliant manner prior to final order release.
NOTE 6	Contractor shall provide shop drawings to design team for review and disposition prior to final order release. Allow sufficient time for the submittal process.
NOTE 7	Contractor shall coordinate and provide all auxiliary gear for LED equipment, if necessary, for complete, operational, code-compliant installation. Follow manufacturers' installation instructions. Secure, install, and program drivers/dimming modules/interfaces to achieve a code-compliant, warranty-compliant, satisfactorily-operational installation exhibiting smooth dimming from a minimum of 10% output or preferably LESS to a maximum of 100% output and/or on/off functions with no errant flashing or dipping during entire time of operation. Coordinate with Architect the location of remote components in easily accessible, sound-isolated, appropriately ventilated/conditioned, code-compliant areas.
NOTE 8	Provisions shall be made on all wire/panel sizing to accommodate LED in-rush.
NOTE 9	All luminaires shall be UL/NRTL listed and labeled for application.
NOTE 10	For all historic luminaires, see also requirements outlined in Proof-of-concept specification shall apply
NOTE 10-	Contractor shall coordinate all luminaire control commissioning and operations and provide all necessary auxiliary devices with respective luminaire vendors and Controls Vendor for a complete, code compliant, fully operational system to the operational control standards expected of a project of this scale, scope, and significance.
NOTE 11	Dimensional information related to luminaires reported here and on lighting plans is approximate. See respective Vendor's current datasheets and shop drawings for exact dimensions and confirm fit prior to order release.
NOTE 12	Contractor shall appropriately seal all exterior and interior wet-rated/located electrical connections to prevent water wicking or water damage to system, including, but not limited to using silicone–filled wire nuts and/or other means as Contractor so determines.
NOTE 13	For luminaires that are flangeless, Contractor shall coordinate with Architect and appropriate trades the setting of ceiling and luminaire elevations, installation sequencing of ceiling substrate(s) and lighting, and the preparation and finish of ceilings accordingly. Coordinate with Architect and other trades as necessary to achieve a plumb/flush-with-Level-5-or-better-veneer-ceiling-appearance trimless installation with no depressions or protuberances at aperture or housing. Contractor shall coordinate a mockup of each flangeless type for review with Architect prior to initiating installation work.
NOTE 14	Except as otherwise noted below in the luminaire schedule, supply one [1] spare case of lamps of each different lamp type used on this project, except LEDs. These lamps shall constitute the Owners initial attic stock and are not to be used as warranty replacements. Supply spare LEDs as outlined in the Specification.
NOTE 15	Where square or rectilinear luminaires are used, trims shall be installed square/plumb to other adjacent trims and nearby similarly-square millwork elements and walls unless otherwise shown on plan or directed by the Architect.
NOTE 16	Season all lamps for a minimum of 100 hours at full output prior to engaging any control operations.
NOTE 17	Contractor shall orient and/or aim all lights so intended with clean white thermal gloves under observation of Architect or Lighting Designer.
NOTE 18	Contractor shall coordinate the control of tunable white, RGB color, and other similar variable lighting loads requiring DMX-512-like control with luminaire vendor and control system vendor to achieve preset scene control with smooth color fading and dimming effects while using a minimum auxiliary controllers to achieve specified zone and scene requirements. [laylights in chambers; laylights in 3rd floor circulation; laylight in rotunda]
NOTE 19	If used, size all remote transformers/drivers for loads and wire run lengths to provide nominal voltage required at luminaires.
NOTE 20	Unless waived by Owner, the Contractor shall submit with the bid, a spreadsheet with the names of the selected specified lighting manufacturers and respective local representation (located within 100 miles) to be used for each luminaire type contained within the bid, along with line-item unit equipment prices. Lot pricing and/or unidentified vendors and representatives are not unacceptable.

Type	What	Where	Catalog	Unverified SD Guess	Watts	Volts	Protocol	Lamp	Notes
DA1		Elevator thresholds spot	Intense IL-DSTL-[NC/AIC]-L2-309-16-[I100/I200]-STLA306-W Juno USAI	8	20W	120	ON/OFF	3000K 85+CRI LED by Vendor	Contractor shall coordinate field painting of trim plate with other trades based on Architect's ceiling color/decoration treatment
DA2		3rd floor corridor laylights backlight	ETC Desire D40 SELD40LI-400CC-400SC-DPA-C-DPJ-5	48	110W	120	DMXS12	3200K 85+CRI LED by Vendor plus tunable white and color for stained glass enhancement	Proprietary off-the-shelf
DA3	Same as DA2	Chambers and rotunda laylights backlight	ETC Desire D40 SELD40LI-400CC-400SC-DPA-C-DPJ-5	140	110W	120	DMXS12	3200K 85+CRI LED by Vendor plus tunable white and color for stained glass enhancement	Proprietary off-the-shelf
DC1	Cove lighting detail	Governor's office 29' 9" cove detail	Color Kinetics (1)523-000065-09-(7)523-000065-17-(1)108-000048-00-(1)120-000077-01-(7)108-000047-00-(7)120-000124-00-DIM(0-10V) Ecosense WWI5-(1)12+(7)48-30-120-10-(7)INT3P-A-IMP-120-1-(1)INT3P-A-LDR-120-10-INT-A-MNT-FLAT-DIM(0-10V) Lumenpulse	1	378W	120	0-10V	3000K 80CRI LED by Vendor	600+lms; cove optics; oriented consistently to wash up/out onto ceiling finish
DD1		Modern-design areas	Intense IL-DSTL-[NC/AIC]-L2-309-24-[I100/I200]-STLA306-W Juno USAI	23	20W	120	ON/OFF	3000K 85+CRI LED by Vendor	Contractor shall coordinate field painting of trim plate with other trades based on Architect's ceiling color/decoration treatment
DD2	Same as DD1	Historic areas needing additional light (e.g., hearing rooms)	Intense IL-DSTL-[NC/AIC]-L2-309-ED10V1-24-[I100/I200]-STLA306-W coordinate field painting of flange with Architect	21	20W	120	0-10V	3000K 85+CRI LED by Vendor	

Type	What	Where	Catalog	Unverified SD Guess	Watts	Volts	Protocol	Lamp	Notes
DF1		Exterior roof (to light lantern at top of dome lantern): 18"ø very narrow spot accent, RAL color selected by Architect	Lumenpulse LBXHO-120-27K-VN-RAL-NO	6	205W	120	ON/OFF	2700K 80 CRI LED by Vendor	6° beam, 500,000 CBCP, 2-zones of luminaires for "curfew-level" setback
DF2		Exterior roof (to light dome): similar to Type DF1, except smaller and different beam spread, 13"ø narrow spot accent, RAL color selected by Architect	Lumenpulse LBG-120-27K-NS-RAL-NO	6	100W	120	ON/OFF	2700K 80 CRI LED by Vendor	10° beam
DF3	Same as DF1, except for beam spread	Same as DF1, except for beam spread	Lumenpulse LBXHO-120-27K-NS-RAL-NO	8	144W	120	ON/OFF	2700K 80 CRI LED by Vendor	10° beam
DF4	Same as DF2, except for beam spread	Same as DF2, except for beam spread	Lumenpulse LBG-120-27K-WFL-RAL-NO	4	100W	120	ON/OFF	2700K 80 CRI LED by Vendor	60° beam

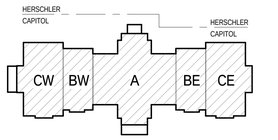
Type	What	Where	Catalog	Unverified SD Guess	Watts	Volts	Protocol	Lamp	Notes
DF5	Same as DF2, except for beam spread	Same as DF2, except for beam spread	Lumenpulse LBG-120-27K-FL-RAL-NO	8	100W	120	ON/OFF	2700K 80 CRI LED by Vendor	40° beam
DF6	See image below	Exterior pediments: linear LED grazing accent, 3½" tall by 2¼" wide by length (to nearest incremental foot), RAL color selected by Architect	Lumenpulse LOG RO-120-[length]-27K-10x10-SAM-RAL-NO	80 linear feet	680W	120	ON/OFF	2700K 80 CRI LED by Vendor	10"x10" beam
DF7		Exterior roof (to light dome): similar to Type DF1, except smaller and different beam spread, 13"ø narrow spot accent, RAL color selected by Architect	Lumenpulse LBL-120-27K-NS-RAL-NO	8	50W	120	ON/OFF	2700K 80 CRI LED by Vendor	10° beam
DF8	Same as DF2, except for location and possible RAL color	Same as DF2, except for location and possible RAL color	Lumenpulse LBG-120-27K-NS-RAL-NO	5	100W	120	ON/OFF	2700K 80 CRI LED by Vendor	10° beam
DG1		Historic toilets: 10"ø Doric glass bowl, nickel (Beardslee No. S7-275 from 1925 Catalog S7J	Crenshaw re-creation Rambusch re-creation St. Louis Antique Lighting re-creation	82	29W	120	ON/OFF	3000K 85+CRI LED by Vendor	2400 lms; fused

GENERAL NOTES

CONSTRUCTION NOTES

GRAPHIC LEGEND

KEY PLAN



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MARK	DATE	DESCRIPTION
1	2014/12/19	SD OWNER REVIEW
PROJECT NUMBER	203819	
ORIGINAL ISSUE	- - -	
PKG. IDENTIFIER	2	

PROPOSED LUMINAIRE SCHEDULE

SCALE

2EL630AL

Schematic Design

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Type	What	Where	Catalog	Unverified SD Guess	Watts	Volts	Protocol	Lamp	Notes
DG2		Entry vestibules: 10"ø x 12" MacBeth-Evans Alba Monax 3774 glass globe (MacBeth-Evans 1910 Alba Shade Catalog), OAS ~ 28", bronze w/green relief (similar to DP6, except for size)	Crenshaw re-creation Rambusch re-creation St. Louis Antique Lighting re-creation	5	29W	120	ON/OFF	3000K 85+CRI LED by Vendor	2400 lms; shall hang plumb as viewed from all directions; fused
DG3		Rotunda 1st floor: one 12"ø x 14½" central MacBeth-Evans Alba Monax 3775 glass globe (MacBeth-Evans 1910 Alba Shade Catalog) and four 8"ø x 9½" MacBeth-Evans Alba Monax 3773 glass globe, bronze w/green relief	Crenshaw [1] restoration and remainder replication Rambusch [1] restoration and remainder replication St. Louis Antique Lighting [1] restoration and remainder replication	6	142W	120	ON/OFF	3000K 85+CRI LED by Vendor	1 @1800 lms and 4 @1200 lms; fused
DG4		Exterior porches: 16½"ø x 8½" overall depth with 14"ø x 6¾" deep Doric glass bowl (not shown - see DG1), wet-rated with double lensed interior for bugs, statuary bronze (MacBeth-Evans No. 3651 from 1912 Shades and Globes Catalog)	Crenshaw re-creation Rambusch re-creation St. Louis Antique Lighting re-creation	10	29W	120	ON/OFF	2700K 85+CRI LED by Vendor	2400 lms; fused

Type	What	Where	Catalog	Unverified SD Guess	Watts	Volts	Protocol	Lamp	Notes
DG5		Rotunda 3rd floor (other historic areas throughout): 14"ø x 17" MacBeth-Evans Alba Monax 3776 glass globe, bronze w/green relief	Crenshaw [4] restoration and remainder replication Rambusch [4] restoration and remainder replication St. Louis Antique Lighting [4] restoration and remainder replication	19	78W	120	ON/OFF	3000K 85+CRI LED by Vendor	5200 lms; some extant luminaires fitted with wrong globes; some extant luminaires fitted with original globes which are broken; field confirm counts; shall hang plumb as viewed from all directions; fused
DK1		Chambers: gallery step light of 2¼"ø with internal black louver, standard bronze	MP Lighting LD2-1W30HWFLB30D-BZ with remote EldoLED 561/S with two channels (each channel ~11 1-watt fixtures) for 0-10V dimming and all necessary components for a complete, operational, code-compliant system intended for dimmable operation via the Lutron control system. Mount luminaire in vertical riser face centered vertically and centered horizontally between edge of runner and baluster. Core hole size to just accommodate steplight (no exposed box covers).	56	1.5W	120	0-10V	3000K 85+CRI LED by Vendor	Proprietary off-the-shelf
DM1a		Modern toilets: illuminated mirror at vanities	Electric Mirror Fusion series in length and light pattern to match length of vanity and number of sinks (DM1a = 6' mirror with 3 vertical light strips - one in middle and one at each end)	16	80W	120	ON/OFF	3000K 85+CRI LED by Vendor	Proprietary off-the-shelf
DN1a		Exterior site: 13'-9" tall ornamental, 5-cluster (12"ø small globes and 18"ø large globe, all opal), fluted and non-tapered postlights at south and west "gateways"	Union Metal Harrodsburg-LED-4-12"@500lms-1-18"@1000 lms-RAL-WhiteDRAcrylicGlobes-16flute-BaseNo5-InternalOutletWithMousePortForCord	4	80W	120	0-10V	2700K 85+CRI LED by Vendor	Proprietary off-the-shelf; orient handhole toward building entry; hail hardy globes

Type	What	Where	Catalog	Unverified SD Guess	Watts	Volts	Protocol	Lamp	Notes
DN1b		Single-globe version of DN1a	Union Metal StPaul-MOD-with-HarrodsburgCapitalGlobeHolder-LED-1-18"@2000 lms-RAL-WhiteDRAcrylicGlobes-16flute-BaseNo5-InternalOutletWithMousePortForCord	28	40W	120	0-10V	2700K 85+CRI LED by Vendor	Proprietary off-the-shelf; orient handhole toward building facade; hail hardy globes
DN2		Exterior entry plynths: 6'-6" tall ornamental, single 16"ø globe, fluted and tapered postlights at south and west porches	Union Metal custom to match photo (drawing TBD) OR Union Metal No. 1330 (sans signage) either with LED-500lms-RAL-ClearDRAcrylicGlobe-16flute-BaseNo5-InternalOutletWithMousePortForCord	6	10W	120	0-10V	2700 85+CRI LED by Vendor	Proprietary custom; hail-hardy globes
DP1a		Corridors: 14"ø x 17" MacBeth-Evans Alba Monax 3776 glass globe, OAS ~54", bronze w/green relief	Crenshaw [X] restoration and remainder replication Rambusch [X] restoration and remainder replication St. Louis Antique Lighting [X] restoration and remainder replication	49	78W	120	ON/OFF	3000K 85+CRI LED by Vendor	5200 lms; some extant luminaires fitted with wrong globes; some extant luminaires fitted with original globes which are broken; field confirm counts and all OASs; shall hang plumb as viewed from all directions; fused

Type	What	Where	Catalog	Unverified SD Guess	Watts	Volts	Protocol	Lamp	Notes
DP1b	Same as DP1a, except shorter OAS	1st floor north entry corridor: 14"ø x 17" MacBeth-Evans Alba Monax 3776 glass globe, OAS ~42", bronze w/green relief	Crenshaw replication Rambusch replication St. Louis Antique Lighting replication	2	78W	120	ON/OFF	3000K 85+CRI LED by Vendor	5200 lms; same notes as DP1a; field confirm sizing and need; fused
DP1c	Same as DP1a, except shorter OAS	3rd floor rotunda and corridor: 14"ø x 17" MacBeth-Evans Alba Monax 3776 glass globe, OAS ~42", bronze w/green relief	Crenshaw replication Rambusch replication St. Louis Antique Lighting replication	12	78W	120	ON/OFF	3000K 85+CRI LED by Vendor	5200 lms; same notes as DP1a; field confirm OAS; fused
DP2		Governor's ceremonial conference room: six 8"ø glass globes, estimated 30"ø overall x 24" body height, OAS ~54", light brushed antique brass	Crenshaw [1] restoration and remainder replication Rambusch [1] restoration and remainder replication St. Louis Antique Lighting [1] restoration and remainder replication	2	104W	120	0-10V	3000K 85+CRI LED by Vendor	1000 lms/globe; field confirm sizing and OAS; refit as necessary with appropriate-heft chain; shall hang plumb as viewed from all directions; fused
DP3a		Open office areas: 18" to 20"ø smooth glass hemispherical bowl, center stem and spider supports, simple metal bowl ring shall be no greater than 3" in height, OAS ~54", light brushed antique brass (Equalite Semi-indirect Fixture No. 4749 from ca. 1910 to 1915 McKenney & Waterbury Co. Equalite Illumination Catalog)	Crenshaw re-creation Rambusch re-creation St. Louis Antique Lighting re-creation	87	96W	120	ON/OFF	3000K 85+CRI LED by Vendor	6400 lms; line-item alternate pricing for Type DP3a - ALT #1: Price bowl in smooth opal acrylic; ALT #2: Price bowl in smooth opal acrylic - etched; fused

GENERAL NOTES

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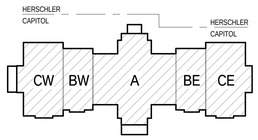

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PROJECT NUMBER 203819
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PKG. IDENTIFIER 2

PROPOSED LUMINAIRE SCHEDULE

SCALE

2EL631AL

Schematic Design

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Type	What	Where	Catalog	Unverified SD Guess	Watts	Volts	Protocol	Lamp	Notes
DP3b	Same as DP3a, except lumen package	Same as DP3a, except lumen package	Crenshaw re-creation Rambusch re-creation St. Louis Antique Lighting re-creation	48	107W	120	ON/OFF	3000K 85+CRI LED by Vendor	7200 lms; line-item alternate pricing for Type DP3b - ALT #1: Price bowl in smooth opal acrylic; ALT #2: Price bowl in smooth opal acrylic - etched; fused
DP4		Governor's office: six 6"ø white glass globes, illuminated center body with Beardslee art glass Color 5 (variegated amber) estimated overall ø36" x 30" body height, OAS ~54", light brushed antique brass	Crenshaw restoration Rambusch restoration St. Louis Antique Lighting restoration	2	200W	120	0-10V	3000K 85+CRI LED by Vendor	1000 lms/globe and 6000 lms in center body; globes shall be coordinated to match those of DQ4; field confirm sizing and OAS; refit as necessary with appropriate-heft chain; shall hang plumb as viewed from all directions; fused
DP5		1888 offices: four 4"ø white glass globes, illuminated center body with Beardslee art glass Color 5 (variegated amber) estimated overall ø24" x 30" body height, OAS ~54", light brushed antique brass	Crenshaw [2] restoration and remainder replication Rambusch [2] restoration and remainder replication St. Louis Antique Lighting [2] restoration and remainder replication	54	200W	120	ON/OFF	3000K 85+CRI LED by Vendor	700 lms/globe and 8000 lms in center body; field confirm sizing and OAS; refit as necessary with appropriate-heft chain; shall hang plumb as viewed from all directions; fused

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Type	What	Where	Catalog	Unverified SD Guess	Watts	Volts	Protocol	Lamp	Notes
DP6		Chambers corridors: 8"ø x 9.5" MacBeth-Evans Alba Monax 3773 glass globe (globe shown in photo not believed original to this luminaire), OAS ~ 22", bronze w/green relief (according to OEM 1916 BOM)	Crenshaw [8] restoration and remainder replication Rambusch [8] restoration and remainder replication St. Louis Antique Lighting [8] restoration and remainder replication	12	29W	120	ON/OFF	3000K 85+CRI LED by Vendor	2400 lms; field confirm extant counts, sizing and OAS; refit as necessary with fitter; confirm authenticity to 1916; shall hang plumb as viewed from all directions; fused
DP7		Chambers lobbies: 8"ø x 9.5" MacBeth-Evans Alba Monax 3773 glass globe, OAS ~ 22", bronze w/green relief	Crenshaw [14] restoration and remainder replication Rambusch [14] restoration and remainder replication St. Louis Antique Lighting [14] restoration and remainder replication	14	29W	120	ON/OFF	3000K 85+CRI LED by Vendor	2400 lms; field confirm extant counts; shall hang plumb as viewed from all directions; fused
DP8		Circulating stairs: reduced scale of shown period Beardslee pendant - 8"ø opal glass globe, body height ~14", OAS ~36", bronze w/green relief (Beardslee No. 2163 from ca. 1905 Catalog 15)	Crenshaw re-creation Rambusch re-creation St. Louis Antique Lighting re-creation	8	24W	120	ON/OFF	3000K 85+CRI LED by Vendor	1800 lms; shall hang plumb as viewed from all directions; fused

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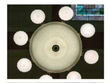
Type	What	Where	Catalog	Unverified SD Guess	Watts	Volts	Protocol	Lamp	Notes
DP9		Senate galleries: 16"ø x 5" glass bowl, OAS ~39", antique statuary bronze	Crenshaw [13] restoration and remainder replication Rambusch [13] restoration and remainder replication St. Louis Antique Lighting [13] restoration and remainder replication	22	18W	120	0-10V	3000K 85+CRI LED by Vendor	1200 lms; confirm extants vs. replications; shall hang plumb from all directions; fused
DP10		Senate chamber: eight glass globes of 7"ø x 6", center glass bowl of 22"ø x 10" with 4" finial, eight spokes on top of bowl fitted with LED up light, estimated overall 38"ø x 24" body height, 78" from break to bottom of finial and 48" from break to ceiling, antique statuary bronze	Crenshaw restoration Rambusch restoration St. Louis Antique Lighting restoration	4	1 ckt @310W and 1ckt @288W and 1ckt @101W	120	0-10V	3000K 85+CRI LED by Vendor	1500 lms/globe, 10,000 lms/center bowl, 400+ lms/spoke (10x60 beam - Color Kinetics, EcoSense, Lumenpulse); shall hang plumb from all directions; exhibits differences from DP13; fused 

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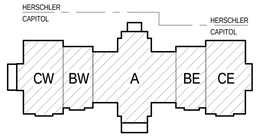
Type	What	Where	Catalog	Unverified SD Guess	Watts	Volts	Protocol	Lamp	Notes
DP11		3rd floor hearing room: twelve calcite shades, illuminated center body with Beardslee scalloped art glass, estimated overall ø54" x 48" body height, OAS ~54", antique statuary bronze	Crenshaw restoration Rambusch restoration St. Louis Antique Lighting restoration	1	207W	120	0-10V	3000K 85+CRI LED by Vendor	700 lms/globe and 8000 lms in center body; field confirm sizing and OAS; refit as necessary with appropriate-heft chain; shall hang plumb as viewed from all directions; fused
DP12		House galleries: 16"ø glass bowl, OAS ~39", antique statuary bronze	Crenshaw [10] restoration and remainder replication Rambusch [10] restoration and remainder replication St. Louis Antique Lighting [10] restoration and remainder replication	13	18W	120	0-10V	3000K 85+CRI LED by Vendor	1200 lms; confirm extants vs. replications; additional chain to achieve OAS on extants; shall hang plumb from all directions; fused

GENERAL NOTES

CONSTRUCTION NOTES

GRAPHIC LEGEND

KEY PLAN



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1	2014/12/19	SD OWNER REVIEW

PROJECT NUMBER 203619
ORIGINAL ISSUE - - -
PKG. IDENTIFIER 2

PROPOSED LUMINAIRE SCHEDULE

SCALE

2EL632AL

Schematic Design

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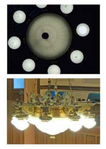
Type	What	Where	Catalog	Unverified SD Guess	Watts	Volts	Protocol	Lamp	Notes
DP13		House chamber: eight glass globes of 7"ø x 6", center glass bowl of 22"ø x 10" with 4" finial, eight spokes on top of bowl fitted with LED up light, estimated overall 38"ø x 24" body height, 78" from break to bottom of finial and 48" from break to ceiling, antique statuary bronze	Crenshaw restoration Rambusch restoration St. Louis Antique Lighting restoration	4	1 ckt @310W and 1ckt @288W and 1ckt @101W	120	0-10V	3000K 85+CRI LED by Vendor	1500 lms/globe, 10,000 lms/center bowl, 400+ lms/spoke (10x60 beam - Color Kinetics, Ecosense, Lumenpulse); shall hang plumb from all directions; exhibits differences from DP10; fused 
DP14		Senate offices and committee rooms: 18" to 20"ø Doric glass hemispherical bowl (ribs shown for concept, but shall be scaled more tightly and proportionally), center stem and exclusive-to-Senate four decorative turnbuckle rods (not shown here) complementing those of DP9 and DP10, decorative metal bowl ring shall be no greater than 2¼" in height, OAS ~54", antique statuary bronze (Equalite Semi-indirect Fixture No. 4605½ from ca. 1910 to 1915 McKenney & Waterbury Co. Equalite Illumination Catalog with Beardslee Doric bowl from 1915 Beardslee Catalog No. 22)	Crenshaw re-creation Rambusch re-creation St. Louis Antique Lighting re-creation	36	107W	120	ON/OFF	3000K 85+CRI LED by Vendor	7200 lms; line-item alternate pricing for Type DP14 - ALT #1: Price Doric bowl in opal acrylic; ALT #2: Price bowl in smooth opal glass (no Doric form); ALT #3: Price bowl in smooth opal acrylic (no Doric form) - etched; fused

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Type	What	Where	Catalog	Unverified SD Guess	Watts	Volts	Protocol	Lamp	Notes
DP15a		House offices and committee rooms: 18" to 20"ø Doric glass hemispherical bowl (ribs shown for concept, but shall be scaled more tightly and proportionally), center stem and exclusive-to-House four decorative chains complementing those of DP12 and DP13, decorative metal bowl ring shall be no greater than 2¼" in height, OAS ~54", antique statuary bronze (Equalite Semi-indirect Fixture No. 4605½ from ca. 1910 to 1915 McKenney & Waterbury Co. Equalite Illumination Catalog with Beardslee Doric bowl from 1915 Beardslee Catalog No. 22)	Crenshaw re-creation Rambusch re-creation St. Louis Antique Lighting re-creation	14	96W	120	ON/OFF	3000K 85+CRI LED by Vendor	6400 lms; line-item alternate pricing for Type DP15a - ALT #1: Price Doric bowl in opal acrylic; ALT #2: Price bowl in smooth opal glass (no Doric form); ALT #3: Price bowl in smooth opal acrylic (no Doric form) - etched; fused
DP15b	Same as DP15a, except lumen package	Same as DP15a, except lumen package	Crenshaw re-creation Rambusch re-creation St. Louis Antique Lighting re-creation	31	107W	120	ON/OFF	3000K 85+CRI LED by Vendor	7200 lms; line-item alternate pricing for Type DP15b - ALT #1: Price Doric bowl in opal acrylic; ALT #2: Price bowl in smooth opal glass (no Doric form); ALT #3: Price bowl in smooth opal acrylic (no Doric form) - etched; fused

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Type	What	Where	Catalog	Unverified SD Guess	Watts	Volts	Protocol	Lamp	Notes
DP16		Governor's suite: 18" to 20"ø Doric glass hemispherical bowl (ribs shown for concept, but shall be scaled more tightly and proportionally), center stem and exclusive-to-Governor's-suite four uniquely distinctive decorative chains, decorative metal bowl ring shall be no greater than 2¼" in height, OAS ~54", light brushed antique brass (Equalite Semi-indirect Fixture No. 4605½ from ca. 1910 to 1915 McKenney & Waterbury Co. Equalite Illumination Catalog with Beardslee Doric bowl from 1915 Beardslee Catalog No. 22)	Crenshaw re-creation Rambusch re-creation St. Louis Antique Lighting re-creation	28	96W	120	ON/OFF	3000K 85+CRI LED by Vendor	6400 lms; line-item alternate pricing for Type DP16 - ALT #1: Price Doric bowl in opal acrylic; ALT #2: Price bowl in smooth opal glass (no Doric form); ALT #3: Price bowl in smooth opal acrylic (no Doric form) - etched; fused
DQ1		Historic toilets: 5" or 6"ø Doric glass globe, nickel (Beardslee No. 57-445 from 1925 Catalog 57)	Crenshaw re-creation Rambusch re-creation St. Louis Antique Lighting re-creation	5	18W	120	ON/OFF	3000K 85+CRI LED by Vendor	1000 lms/globe; components shall be plumb and square; shall hang plumb from all directions; fused

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Type	What	Where	Catalog	Unverified SD Guess	Watts	Volts	Protocol	Lamp	Notes
DQ2		Senate chamber: two 8"ø x 6", estimated overall body width 24" wide x 32" tall, Beardslee 1260 glass globe, antique statuary bronze	Crenshaw restoration Rambusch restoration St. Louis Antique Lighting restoration	2	32W	120	0-10V	3000K 85+CRI LED by Vendor	1600 lms/globe; components shall be plumb and square; shall hang plumb from all directions; fused
DQ3		House chamber: two 8"ø x 6", estimated overall body width 24" wide x 32" tall, Beardslee 1260 glass globe, (globe shown in photo not believed original to this luminaire), antique statuary bronze (according to OEM 1916 BOM)	Crenshaw restoration Rambusch restoration St. Louis Antique Lighting restoration	2	32W	120	0-10V	3000K 85+CRI LED by Vendor	1600 lms/globe, globes shall match those of DP13; components shall be plumb and square; shall hang plumb from all directions; fused
DQ4		Governor's office: 5"ø or 6"ø (pending drawing) opal glass globe, body height ~18" with overall width ~12" to 15" (pending drawing and globe size), light brush antique brass (Beardslee No. 1528 from ca. 1905 Catalog 15)	Crenshaw re-creation Rambusch re-creation St. Louis Antique Lighting re-creation	2	18W	120	0-10V	3000K 85+CRI LED by Vendor	1200 lms/globe, globes shall be coordinated with those of DP4; components shall be plumb; shall hang plumb from all directions; fused
DR1		Utility lighting throughout: 2" wide by 4" deep by 48" in length, wraparound opal lensed LED	Axis MBLED-B2-600-30-S-4-W-UNV-nondim-1-[mount]-F Bartco BSS210-4-30-[mount]-WH-Fuse-600lms/ft HE Williams LLMS-4-LED*UT25/830-S-SQ-UNV-nondim-Fuse	154	30W	120	ON/OFF	3000K 80+CRI LED by Vendor	2400 lms, make provisions to surface mount (to ceiling, structure, Unistrut, etc.); available with luminaire-integrated OCC sensor

GENERAL NOTES

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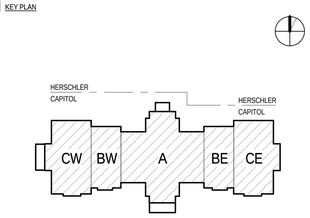
KEY PLAN



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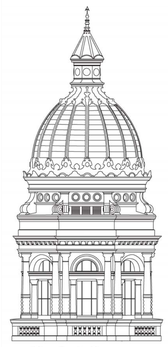

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PKG. IDENTIFIER 2

PROPOSED LUMINAIRE SCHEDULE

SCALE

2EL633AL

Schematic Design

PDF Name: GSLD13712_WYSC_ii-SD_20141215_01_RD_SCH_bss
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Wyoming State Capitol Schematic Design Luminaire Schedule
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12/12/2014 file GSLD_13712_WYSC_III-SD_20141212_01_RD_SCH_grs.xlsx

Type	What	Where	Catalog	Unverified SD Guess	Watts	Volts	Protocol	Lamp	Notes
DR2	Similar to DR1, except for length and location (in detail)	Similar to DR1, except for length and location (in detail)		4	12W	120	ON/OFF	3000K 80+CRI LED by Vendor	1000 lms
DS1a		Drywall pocket detail; Level 5 ceiling/wall finishes; length shall be 5' (subject to field confirmation)	Color Kinetics {1}523-000065-09-{1}523-000065-17-{1}108-000048-00-{1}120-000077-01-{1}108-000047-00-{1}120-000124-00-LouverAttachment Ecosense WWIS-{1}12+{1}48-30-120-10-{1}INT3P-A-JMP-120-1-{1}INT3P-A-LDR-120-10-INT-A-MNT-FLAT-{1}10-A-HL-12-{1}10-A-HL-48 Lumenpulse	7	63W	120	ON/OFF	3000K 80CRI LED by Vendor	600+lms; 10x60 grazer optics; oriented consistently to graze down wall finish
DS1b	Same as 1a, except length	Same as 1a, except length shall be 3' (subject to field confirmation)	Adjust fixture counts to completely illuminate detail length	38	38W				
DS1c	Same as 1a, except length	Same as 1a, except length shall be 6' (subject to field confirmation)	Adjust fixture counts to completely illuminate detail length	10	76W				
DS1d	Same as 1a, except length	Same as 1a, except length shall be 11' (subject to field confirmation)	Adjust fixture counts to completely illuminate detail length	4	139W				
DS1e	Same as 1a, except length	Same as 1a, except length shall be 7' (subject to field confirmation)	Adjust fixture counts to completely illuminate detail length	8	88W				
DS1f	Same as 1a, except length	Same as 1a, except length shall be 7' (subject to field confirmation)	Adjust fixture counts to completely illuminate detail length	8	88W				
DS1g	Same as 1a, except length	Same as 1a, except length shall be 6' (subject to field confirmation)	Adjust fixture counts to completely illuminate detail length	8	76W				
DS1h	Same as 1a, except length	Same as 1a, except length shall be 12' (subject to field confirmation)	Adjust fixture counts to completely illuminate detail length	8	152W				
DS1i	Same as 1a, except length	Same as 1a, except length shall be 10' (subject to field confirmation)	Adjust fixture counts to completely illuminate detail length	8	126W				
DS1j	Same as 1a, except length	Same as 1a, except length shall be 7' (subject to field confirmation)	Adjust fixture counts to completely illuminate detail length	2	88W				

Wyoming State Capitol Schematic Design Luminaire Schedule
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Type	What	Where	Catalog	Unverified SD Guess	Watts	Volts	Protocol	Lamp	Notes
DS1k	Same as 1a, except length	Same as 1a, except length shall be 5' (subject to field confirmation)	Adjust fixture counts to completely illuminate detail length	2	63W				
DS1L	Same as 1a, except length	Same as 1a, except length shall be 11' (subject to field confirmation)	Adjust fixture counts to completely illuminate detail length	1	139W				
DS1m	Same as 1a, except length	Same as 1a, except length shall be 9' (subject to field confirmation)	Adjust fixture counts to completely illuminate detail length	2	114W				
DT1a		Historically-sympathetic task light: final size TBD, but based on image at left; amber glass shade; no LED-bud reflections (use diffused LED engine); light brushed antique brass in all offices except House and Senate offices where finish shall be antique statuary bronze (or based on Beardslee S7-422 from 1925 S7 catalog)	Crenshaw re-creation Rambusch re-creation St. Louis Antique Lighting re-creation	139	15W	120	ON/OFF	3000K 85+CRI LED by Vendor	700 lms; supply with cord and plug; line-item alternate pricing for Type DT1a - ALT #1: Price shade in amber acrylic; ALT #2: Price shade in white acrylic; ALT #3: Price lamp as dedicated-socket (e.g., GU24) type A-lamp in specified color/CRI with entire assembly/lamp UL/NRTL listed and labeled for lamping and application; make allowance for 300 units
DT2a		Chambers: dais task light: final size TBD, but based on image at left - 12" to 18" diameter, overall height 18" to 24"; no LED-bud reflections (use diffused LED engine); antique statuary bronze	Crenshaw re-creation Rambusch re-creation St. Louis Antique Lighting re-creation	4	18W	120	0-10V	3000K 85+CRI LED by Vendor	1000 lms; intended for permanent-mount, hardwire installation

Wyoming State Capitol Schematic Design Luminaire Schedule
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Type	What	Where	Catalog	Unverified SD Guess	Watts	Volts	Protocol	Lamp	Notes
DT2b	Same as DT2a except size and wattage	Chambers: dais task light: final size TBD, but based on image at left - 15" to 18" diameter, overall height 20" to 24"; no LED-bud reflections (use diffused LED engine); antique statuary bronze	Crenshaw re-creation Rambusch re-creation St. Louis Antique Lighting re-creation	4	36W	120	0-10V	3000K 85+CRI LED by Vendor	2000 lms; intended for permanent-mount, hardwire installation
DU1		Façade wash for silhouette security lighting around entire building and front-lighting of people at façade as viewed from site perimeter; 13"ø; bronze face trim with slip-resistant lens	Kim LTV81FF-WW-36L-3K-UV-SR-{rebar cage anchor}	104	44W	120	0-10V	3000K 80CRI LED by Vendor	Proprietary off-the-shelf off-the-shelf; 12° spot with 29,000+ CBCP; Bluetooth adjustable to eliminate need to open luminaire for aiming; intended for permanent mounting in detail by Landscape Architect
DZ2		Historically-sympathetic picture light: final size(s) TBD, but for budgeting purposes use 18 inches in length by 5½ inches in overall height with a lantern of about 3 inches in height and an overall projection of 14 inches; light brushed antique brass in offices, bronze with green relief in public circulation, and antique statuary bronze in chambers and legislative offices	Crenshaw re-creation Rambusch re-creation St. Louis Antique Lighting re-creation	48 in each finish for total of 144	15W	120	ON/OFF	3000K 85+CRI LED by Vendor	500+ lms; fitted with obscuration lens and venting to maintain warranty-required operating temperature; Boca Flasher Nanolume, Color Kinetics, MP Lighting, LEDLinear, Lumenpulse; entire assembly/lamp UL/NRTL listed and labeled for lamping and application; make allowance for a total of 135 units (45 in each finish)

Wyoming State Capitol Schematic Design Luminaire Schedule
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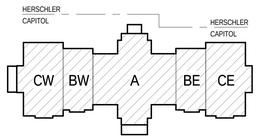
Type	What	Where	Catalog	Unverified SD Guess	Watts	Volts	Protocol	Lamp	Notes
DZ3		Illuminated handrail: historic profile with top-rail cap Julius Blum #4530 or as otherwise selected by Architect; length and configuration as needed for each application; bronze	Cole Wagner	127 linear feet	4W/LF	120	0-10V	2700K 85+CRI LED by Vendor	145 lms/linear foot delivered; entire assembly/lamp UL/NRTL listed and labeled for lamping and wet application; configurations vary based on application (see plan)
DZ4		Illuminated handrail: simple profile; length and configuration as needed for each application; stainless steel brushed	Cole Wagner	240 linear feet	4W/LF	120	0-10V	2700K 85+CRI LED by Vendor	145 lms/linear foot delivered; entire assembly/lamp UL/NRTL listed and labeled for lamping and wet application; configurations vary based on application (see plan)

GENERAL NOTES

CONSTRUCTION NOTES

GRAPHIC LEGEND

KEY PLAN



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GarySteffyLightingDesign Inc.
2900 South State Street Suite 12
Ann Arbor, Michigan 48104-6772
v/ 800.537.1230

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PKG. IDENTIFIER 2

PROPOSED LUMINAIRE SCHEDULE

SCALE

2EL634AL

Schematic Design

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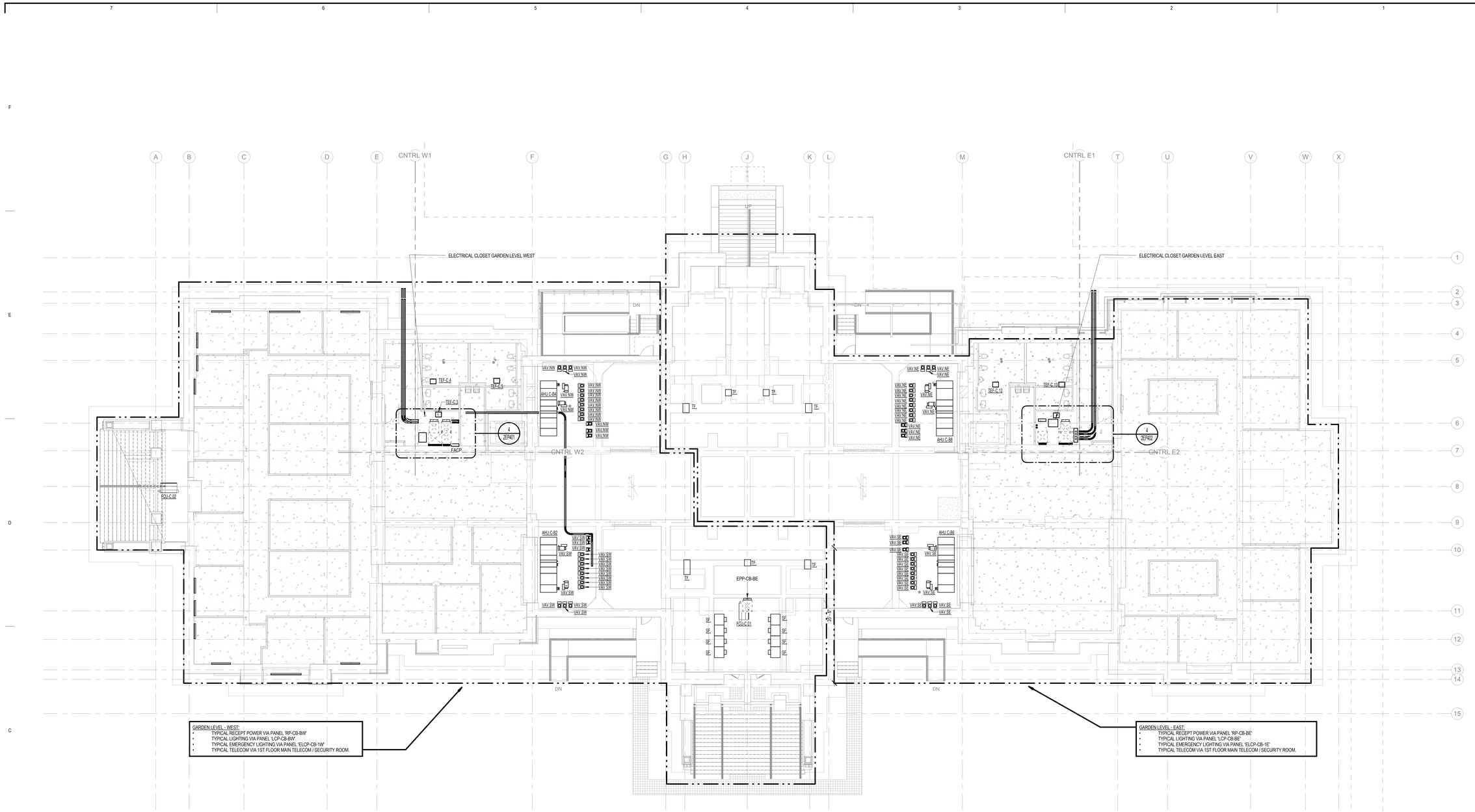

1 PROPOSED GARDEN LEVEL POWER PLAN
1" = 10'-0"

7'-6" 2'-6"
10'-0" 5'-0" 0 10'-0" 20'-0" 40'-0"

GENERAL NOTES

CONSTRUCTION NOTES

GRAPHIC LEGEND

KEY PLAN

HERSCHLER CAPITOL — HERSCHLER CAPITOL

CW | BW | A | BE | CE

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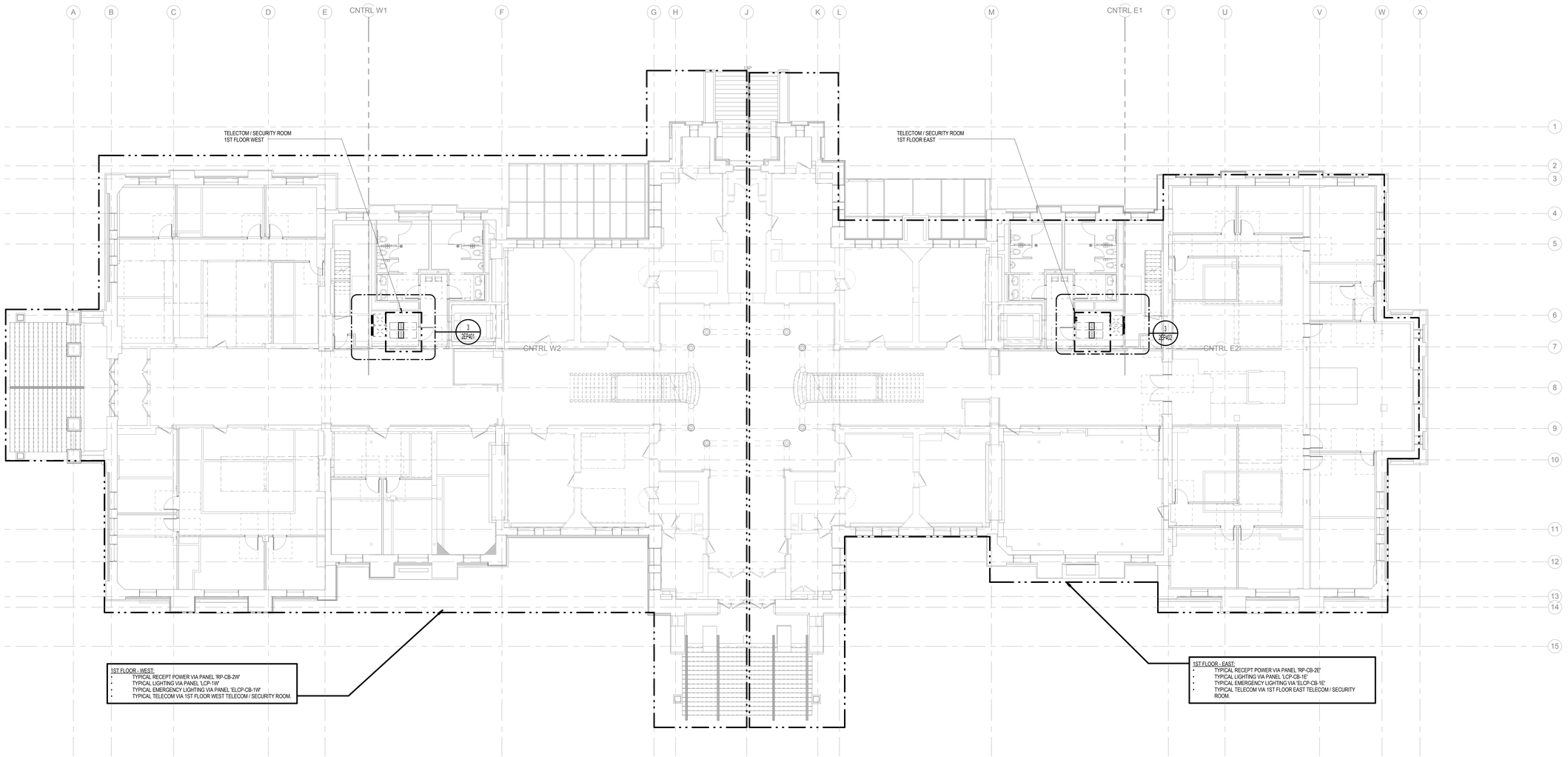
PROPOSED GARDEN LEVEL POWER PLAN

SCALE 1" = 10'-0"

2EP100

Schematic Design



1 PROPOSED FIRST FLOOR POWER PLAN
1" = 10'-0"

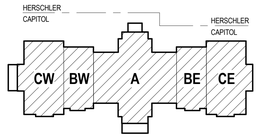
7'-6" 2'-6"
10'-0" 5'-0" 0 10'-0" 20'-0" 40'-0"

GENERAL NOTES

CONSTRUCTION NOTES

GRAPHIC LEGEND

KEY PLAN



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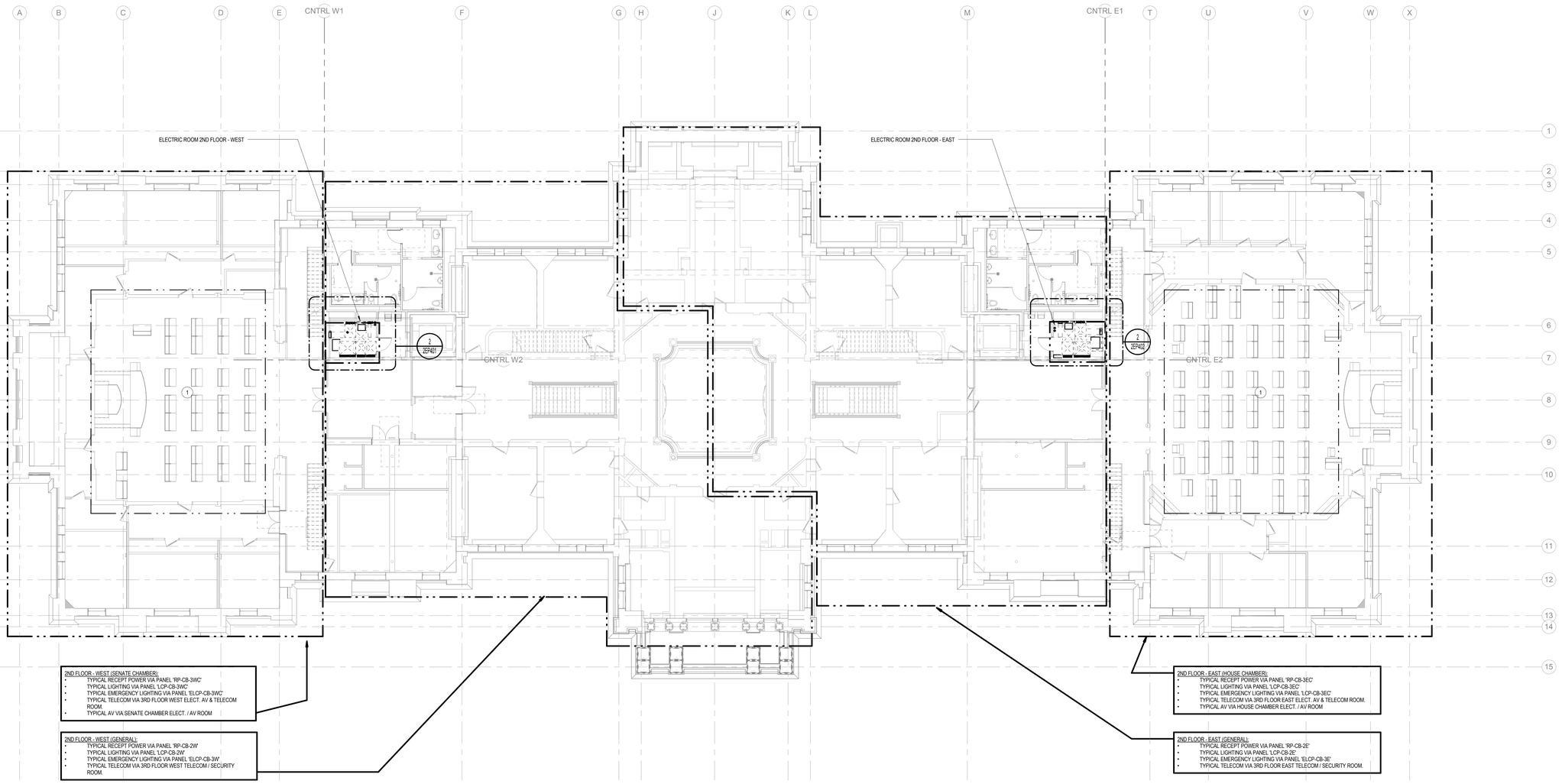
PROPOSED FIRST FLOOR POWER PLAN

SCALE 1" = 10'-0"

2EP101

Schematic Design



1 PROPOSED SECOND FLOOR POWER PLAN
1" = 10'-0"

7'-6" 2'-6"
10'-0" 5'-0" 0 10'-0" 20'-0" 40'-0"

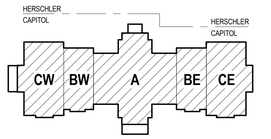
GENERAL NOTES

CONSTRUCTION NOTES

1 NEW UNDERFLOOR DUCT DISTRIBUTION SYSTEM FOR POWER, TELEDATA, AND A/V. NEW MULTISERVICE FLOOR BOXES SHALL BE PROVIDED TO MATCH FURNITURE LAYOUT.

GRAPHIC LEGEND

KEY PLAN



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1	2014/12/19	SD OWNER REVIEW

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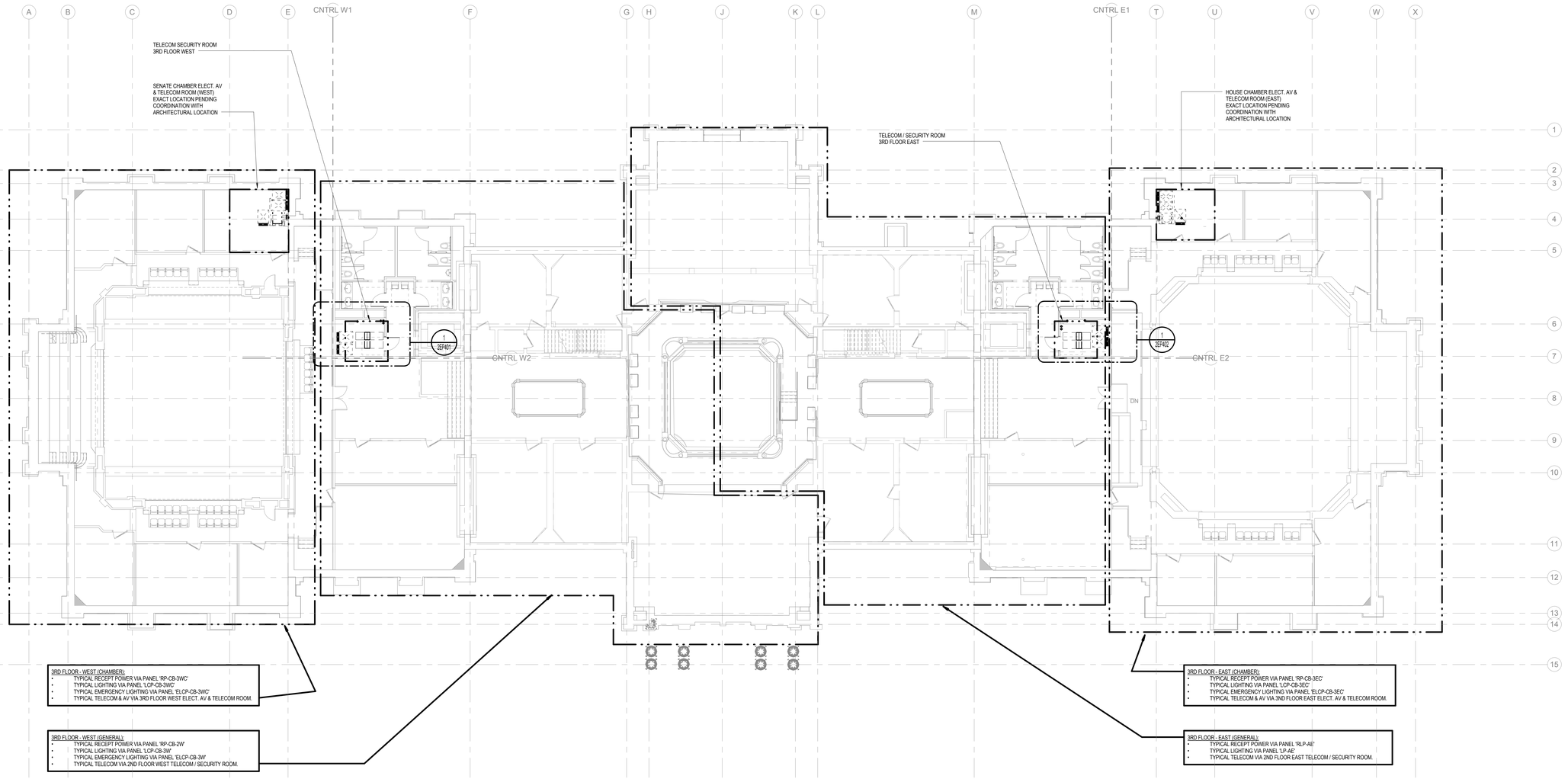
PKG. IDENTIFIER 2

PROPOSED SECOND FLOOR POWER PLAN

SCALE 1" = 10'-0"

2EP102

Schematic Design



1 PROPOSED THIRD FLOOR POWER PLAN
1" = 10'-0"

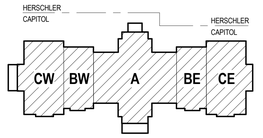
7'-6" 2'-6"
10'-0" 5'-0" 0 10'-0" 20'-0" 40'-0"

GENERAL NOTES

CONSTRUCTION NOTES

GRAPHIC LEGEND

KEY PLAN



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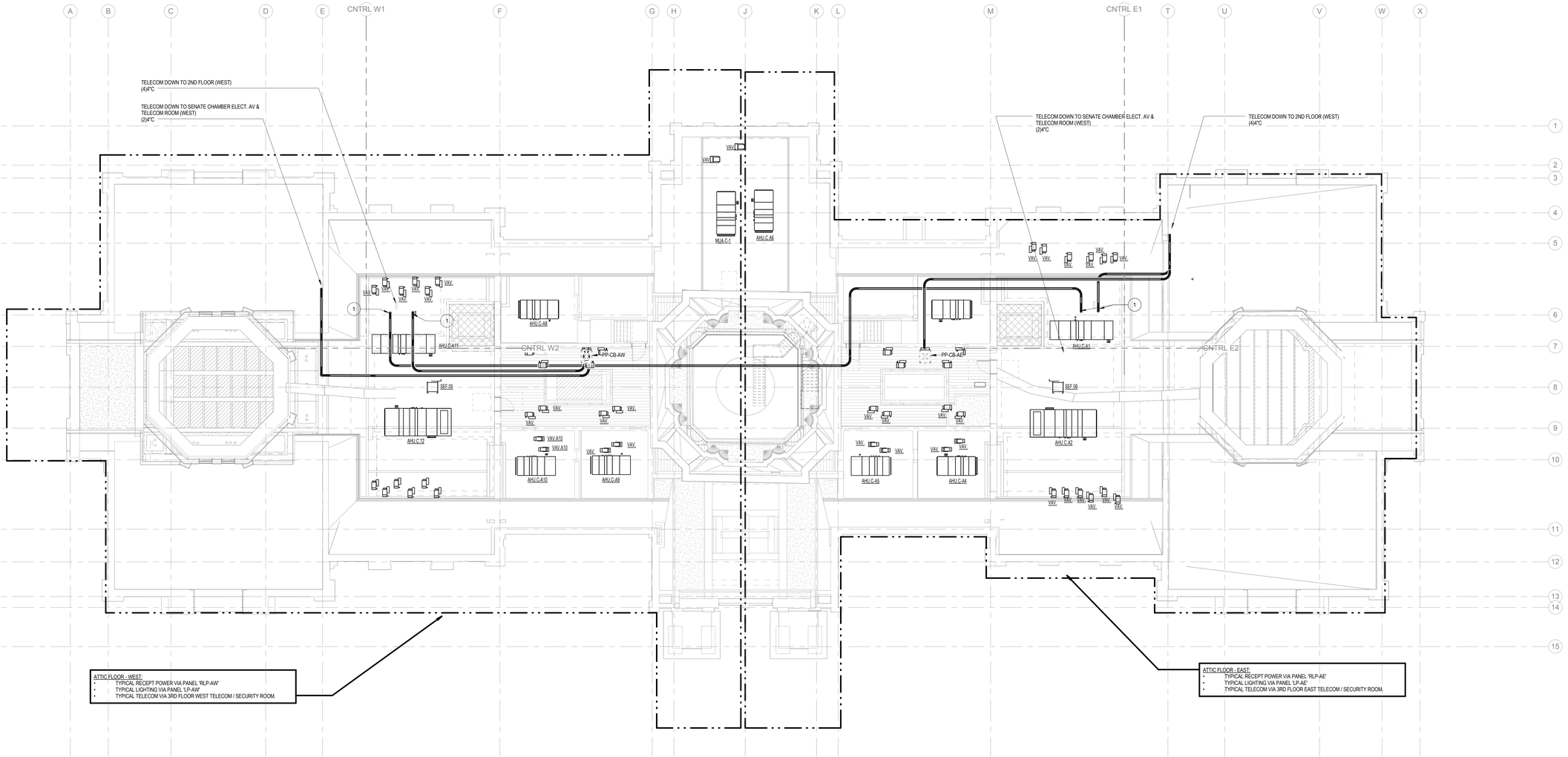
PKG. IDENTIFIER 2

PROPOSED THIRD FLOOR POWER PLAN

SCALE 1" = 10'-0"

2EP103

Schematic Design



1 PROPOSED ATTIC 1 POWER PLAN
1" = 10'-0"

7'-6" 2'-6"
10'-0" 5'-0" 0 10'-0" 20'-0" 40'-0"

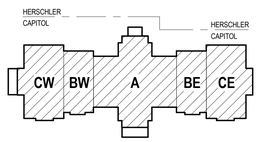
GENERAL NOTES

CONSTRUCTION NOTES

NUMBER	KEYNOTE
1	CONDUIT DOWN TO ELECTRICAL/TELECOM CLOSET BELOW

GRAPHIC LEGEND

KEY PLAN



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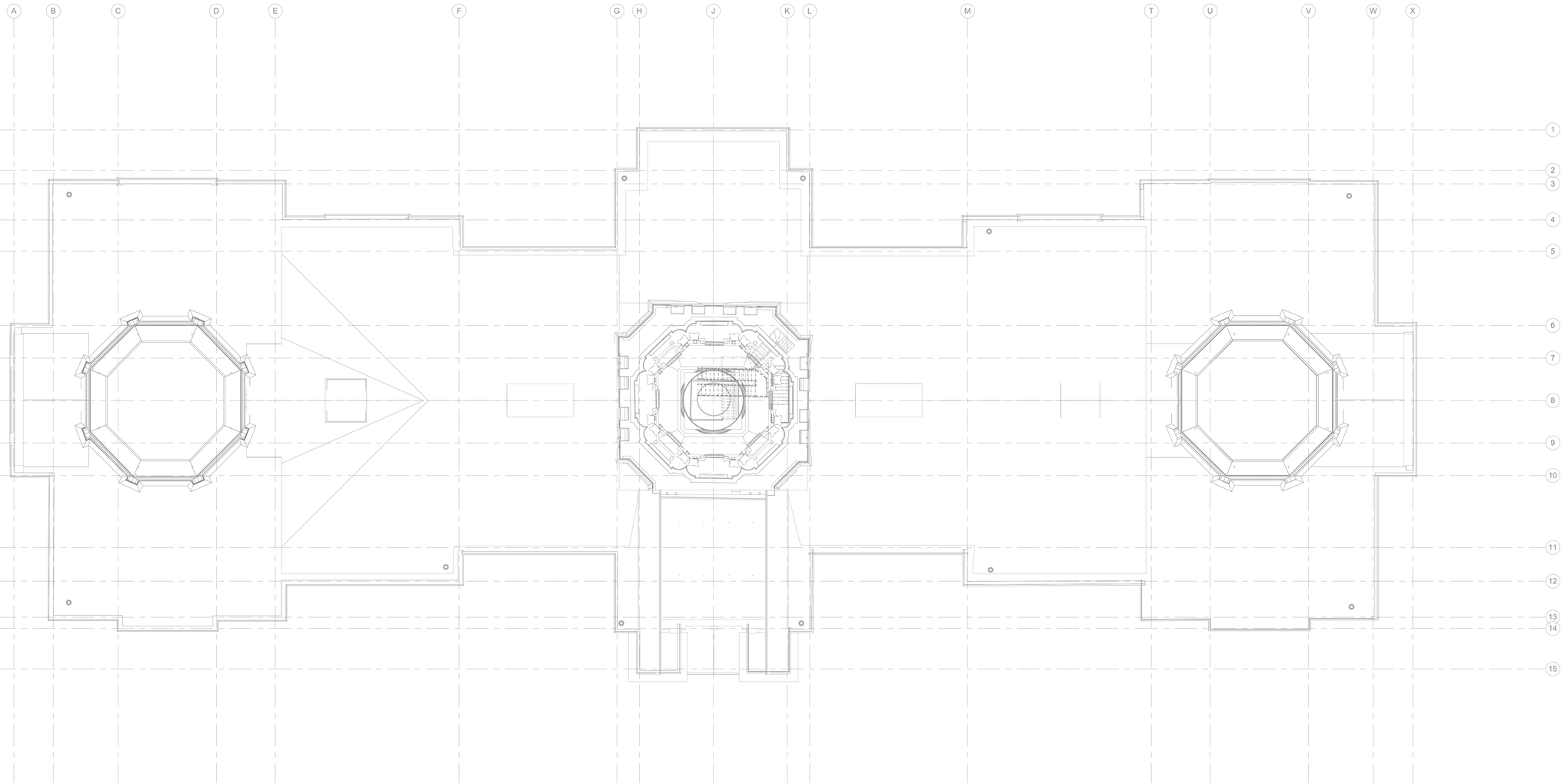
PROPOSED ATTIC 1 POWER PLAN

SCALE 1" = 10'-0"

2EP104

Schematic Design



1 PROPOSED ROOF POWER PLAN
1" = 10'-0"

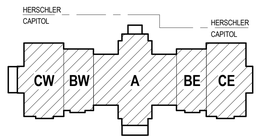
7'-6" 2'-6"
10'-0" 5'-0" 0 10'-0" 20'-0" 40'-0"

GENERAL NOTES

CONSTRUCTION NOTES

GRAPHIC LEGEND

KEY PLAN



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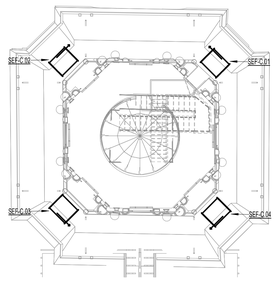
PROPOSED ROOF POWER PLAN

SCALE 1" = 10'-0"

2EP105

Schematic Design



1 PROPOSED ATTIC 2 POWER PLANS
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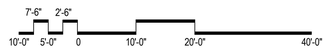
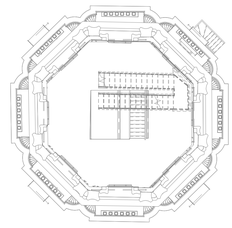
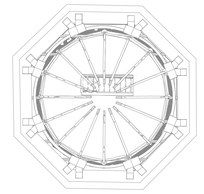




2 PROPOSED DOME 1 POWER PLANS
1" = 10'-0"



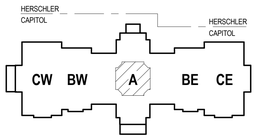
3 PROPOSED DOME 2 POWER PLANS
1" = 10'-0"

GENERAL NOTES

CONSTRUCTION NOTES

GRAPHIC LEGEND

KEY PLAN



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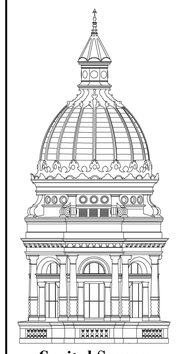

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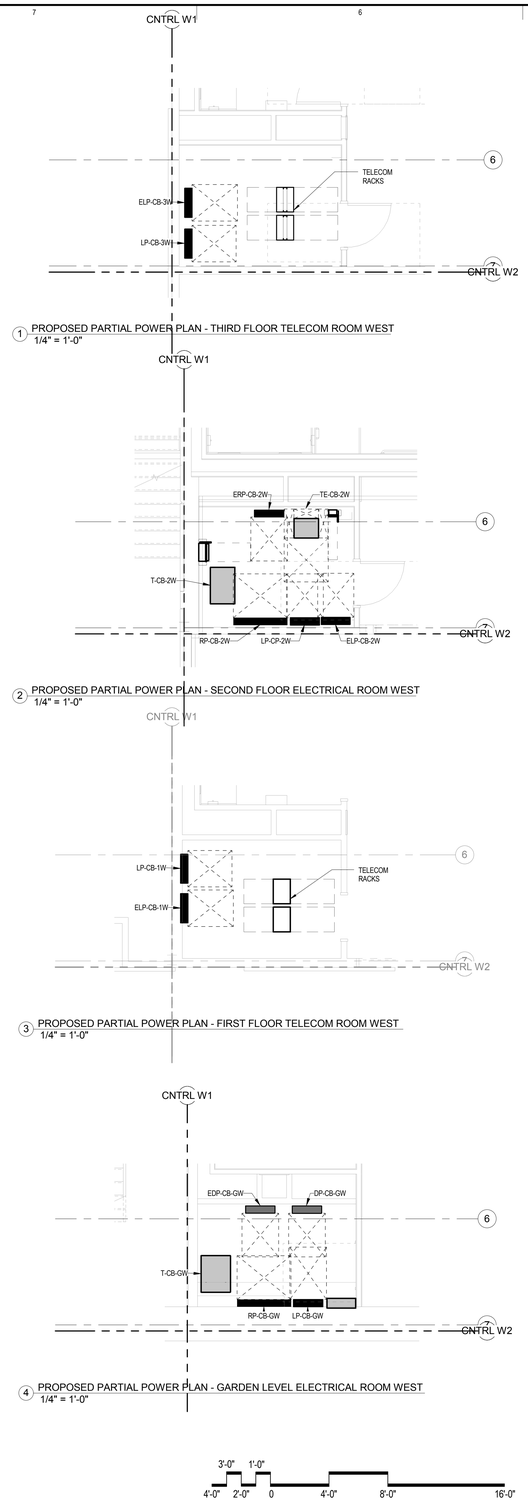
PKG. IDENTIFIER	2

PROPOSED ATTIC 2, DOME 1 & DOME 2 POWER PLANS

SCALE 1" = 10'-0"

2EP106

Schematic Design



1 PROPOSED PARTIAL POWER PLAN - THIRD FLOOR TELECOM ROOM WEST
1/4" = 1'-0"

2 PROPOSED PARTIAL POWER PLAN - SECOND FLOOR ELECTRICAL ROOM WEST
1/4" = 1'-0"

3 PROPOSED PARTIAL POWER PLAN - FIRST FLOOR TELECOM ROOM WEST
1/4" = 1'-0"

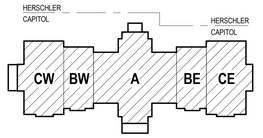
4 PROPOSED PARTIAL POWER PLAN - GARDEN LEVEL ELECTRICAL ROOM WEST
1/4" = 1'-0"

GENERAL NOTES

CONSTRUCTION NOTES

GRAPHIC LEGEND

KEY PLAN



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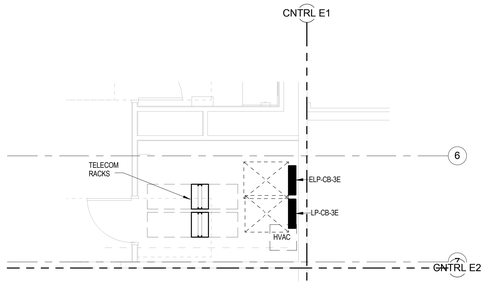
ORIGINAL ISSUE - -
PKG. IDENTIFIER 2

PROPOSED ELECTRICAL / TELECOM PARTIAL PLANS & ELEVATIONS

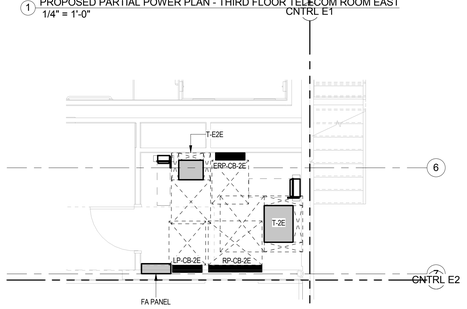
SCALE 1/4" = 1'-0"

2EP401

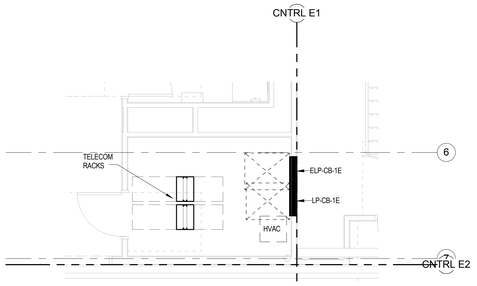
Schematic Design



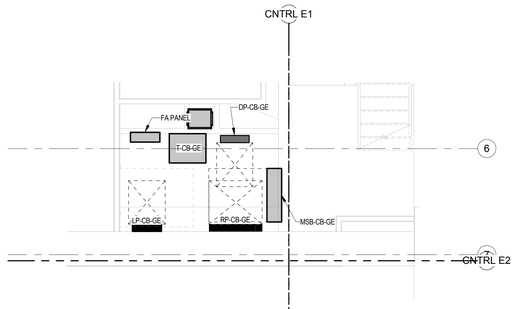
1 PROPOSED PARTIAL POWER PLAN - THIRD FLOOR TELECOM ROOM EAST
1/4" = 1'-0"



2 PROPOSED PARTIAL POWER PLAN - SECOND FLOOR ELECTRICAL ROOM EAST
1/4" = 1'-0"



3 PROPOSED PARTIAL POWER PLAN - FIRST FLOOR TELECOM ROOM EAST
1/4" = 1'-0"



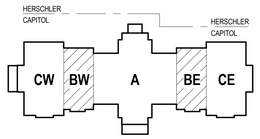
4 PROPOSED PARTIAL POWER PLAN - GARDEN LEVEL ELECTRICAL ROOM EAST
1/4" = 1'-0"

GENERAL NOTES

CONSTRUCTION NOTES

GRAPHIC LEGEND

KEY PLAN



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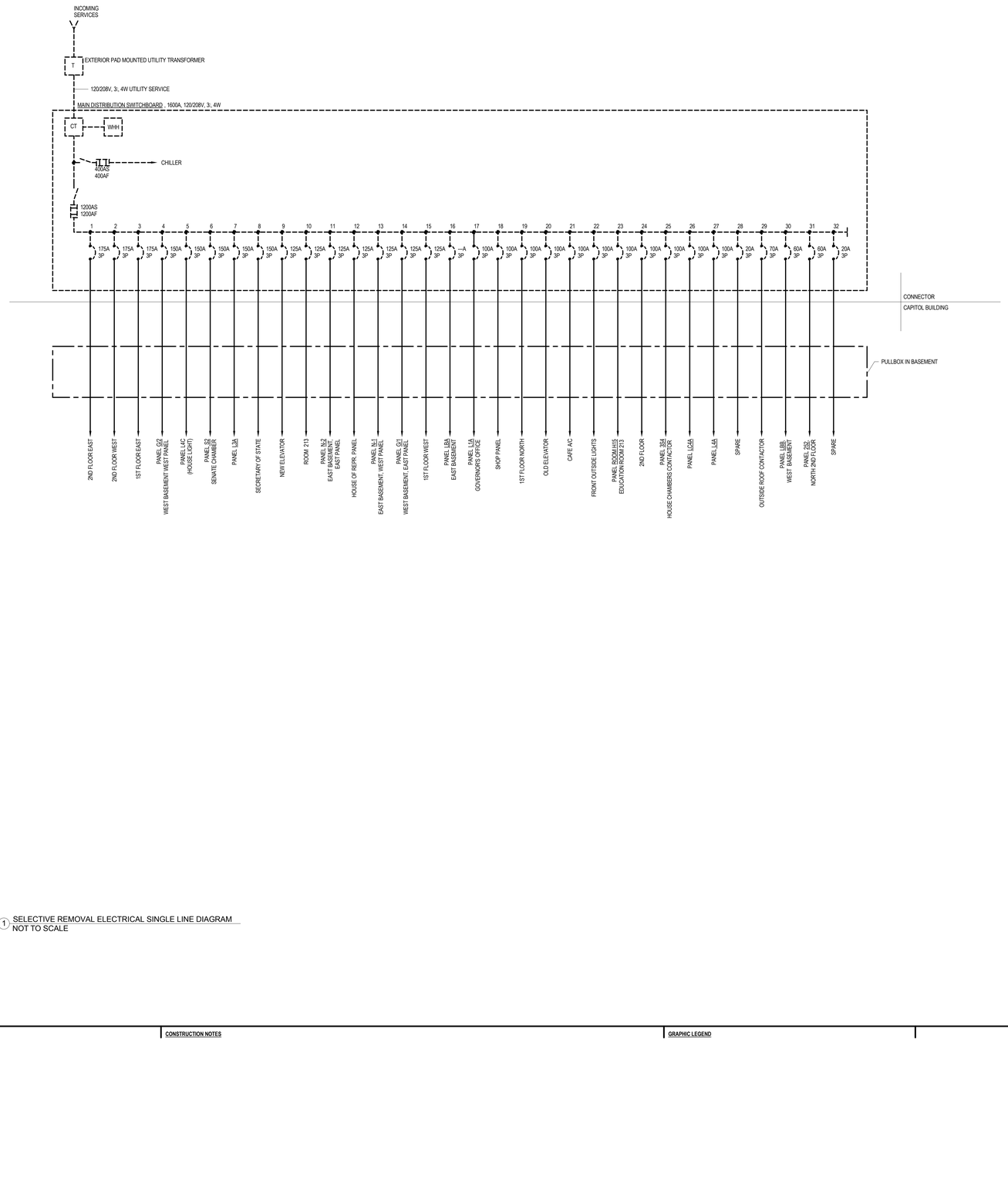
PROPOSED ELECTRICAL / TELECOM PARTIAL PLANS & ELEVATIONS

SCALE: 1/4" = 1'-0"

2EP402

Schematic Design



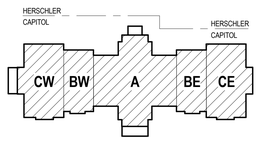
1 SELECTIVE REMOVAL ELECTRICAL SINGLE LINE DIAGRAM
NOT TO SCALE

GENERAL NOTES

CONSTRUCTION NOTES

GRAPHIC LEGEND

KEY PLAN



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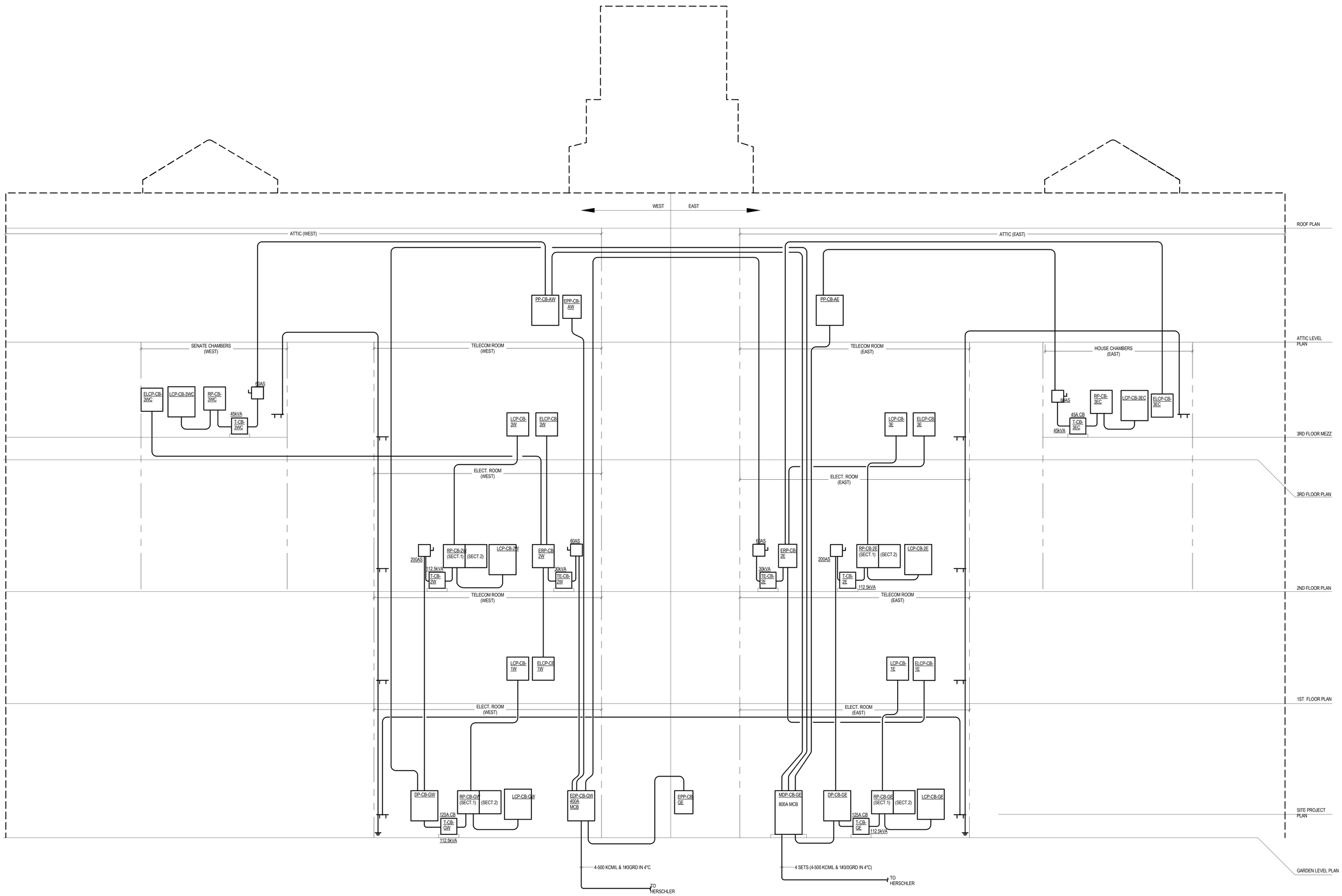
PKG. IDENTIFIER	2

SELECTIVE REMOVAL ELECTRICAL SINGLE LINE DIAGRAM

SCALE: NOT TO SCALE

2EX611

Schematic Design



1 PROPOSED ELECTRICAL POWER RISER DIAGRAM
NOT TO SCALE

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1	2014/12/19	SD OWNER REVIEW

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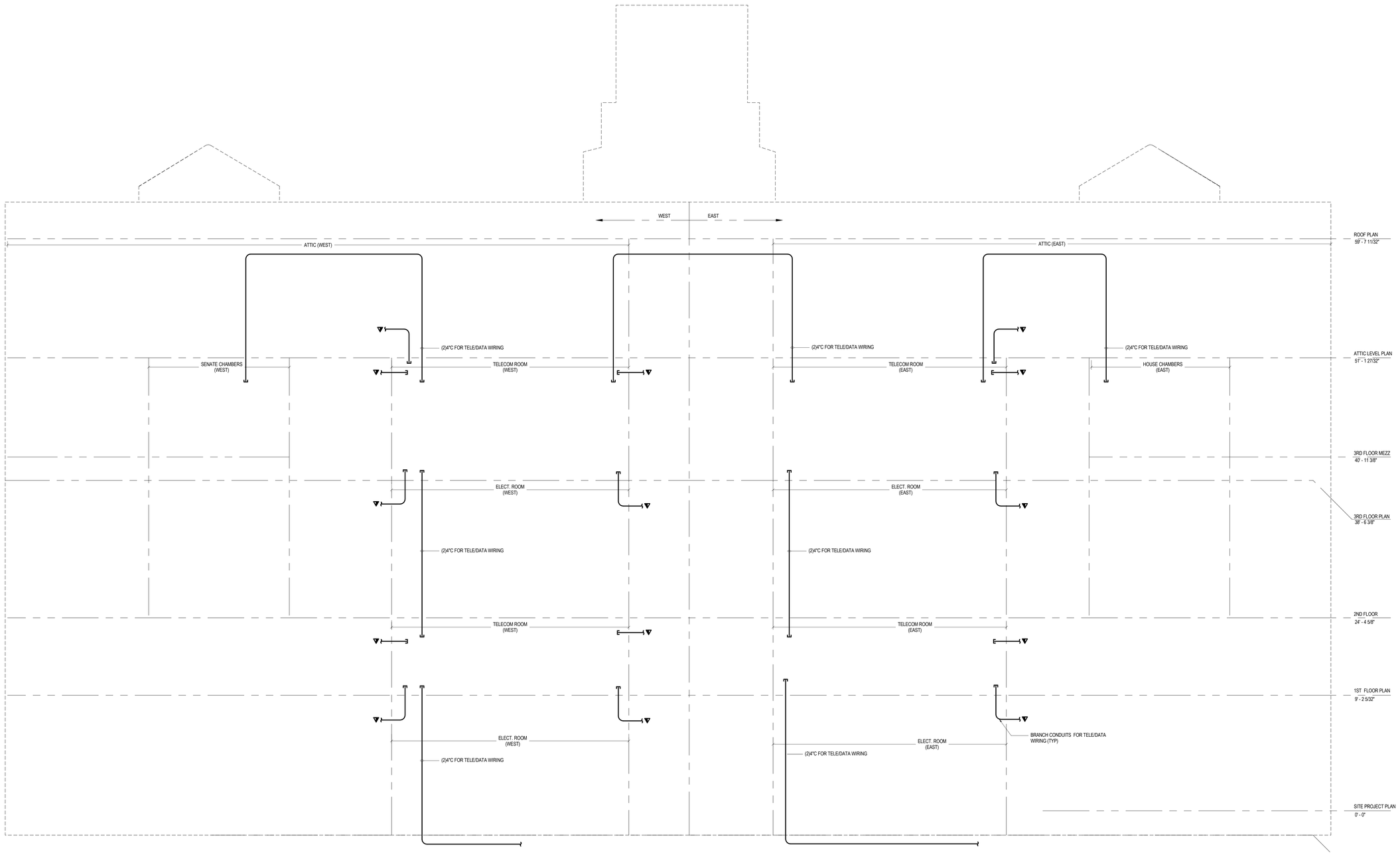
PKG. IDENTIFIER	2

PROPOSED ELECTRICAL POWER RISER DIAGRAM

SCALE: NOT TO SCALE

2EX612

Schematic Design



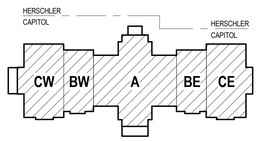
1 PROPOSED ELECTRICAL COMMUNICATION CONDUIT RISER DIAGRAM
NOT TO SCALE

GENERAL NOTES

CONSTRUCTION NOTES

GRAPHIC LEGEND

KEY PLAN



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PROPOSED ELECTRICAL COMMUNICATION CONDUIT RISER DIAGRAM

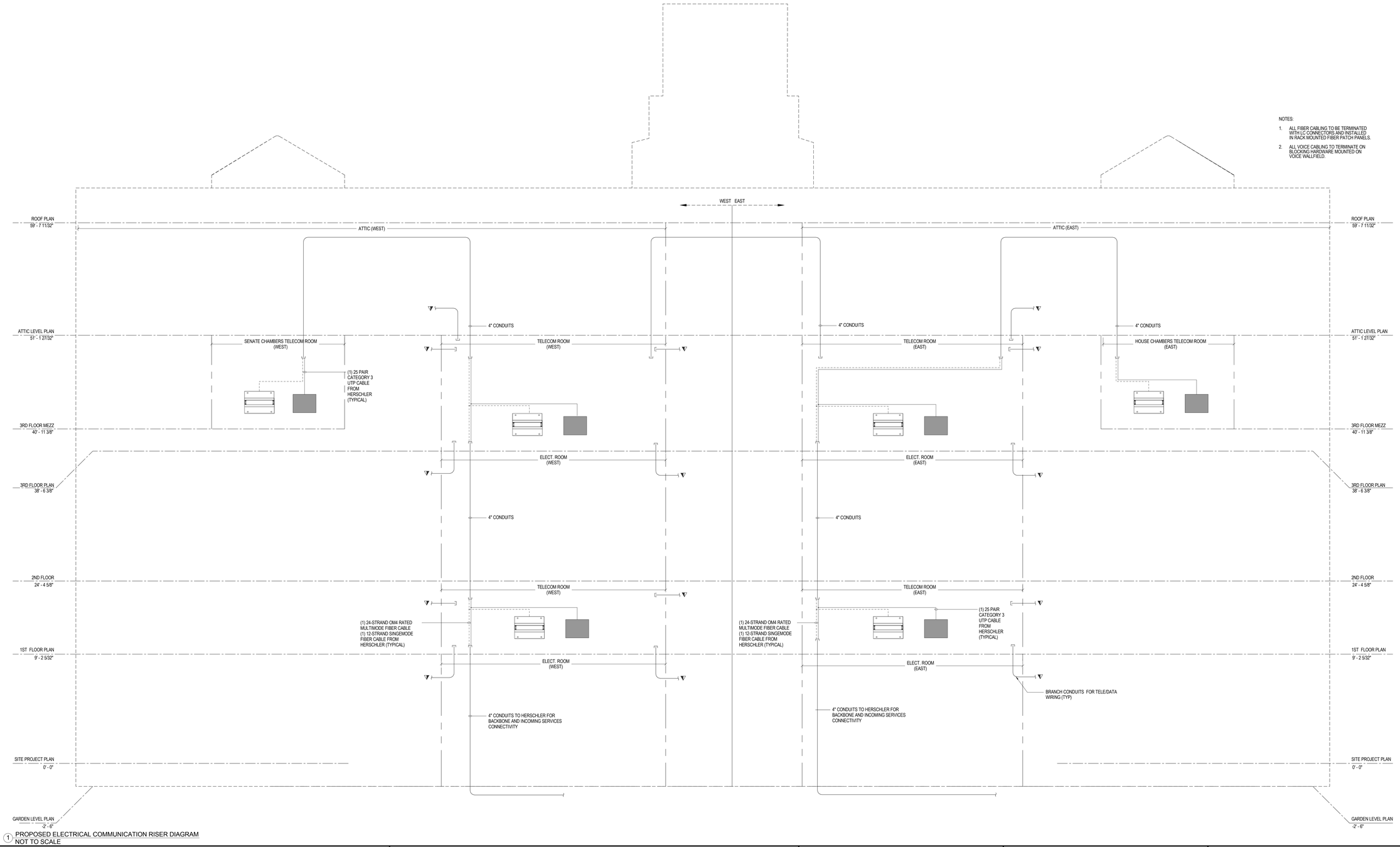
SCALE: NOT TO SCALE

2EX613

Schematic Design

NOTES:

1. ALL FIBER CABLING TO BE TERMINATED WITH LC CONNECTORS AND INSTALLED IN RACK MOUNTED FIBER PATCH PANELS.
2. ALL VOICE CABLING TO TERMINATE ON BLOCKING HARDWARE MOUNTED ON VOICE WALLFIELD.



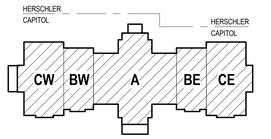
1 PROPOSED ELECTRICAL COMMUNICATION RISER DIAGRAM
NOT TO SCALE

GENERAL NOTES

CONSTRUCTION NOTES

GRAPHIC LEGEND

KEY PLAN



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PROJECT NUMBER	203619
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PKG. IDENTIFIER	2

PROPOSED ELECTRICAL COMMUNICATION RISER DIAGRAMS

SCALE: NOT TO SCALE

2EX621

Schematic Design

LOCATION: GARDEN LEVEL EAST ELECTRICAL ROOM
SERVICE: 480 / 277 VOLTS, 3 PHASE, 4 WIRE
MAINS: 800 AMPS MAIN OVERCURRENT PROTECTION: 800
GROUNDING: GROUND BUS: YES ISOLATED GROUND BUS: NO
MOUNTING: SURFACE SCCR RATING: kAIC
REMARKS:

DISTRIBUTION PANEL DESIGNATION: **MDP-CB-GE**

CKT NO.	TYPE	RATING (AMPS)	POLES	TRIP (AMPS)	FEEDER	SERVES	REMARKS	LOAD (kVA)
1	MCCB							0
2	MCCB							0
3	MCCB							0
4	MCCB							0
5	MCCB							0
6	MCCB							0
7	MCCB							0
8	MCCB							0
9	MCCB							0
10	MCCB							0
11	MCCB							0
12	MCCB							0
13	MCCB							0
14	MCCB							0
15	MCCB							0
16	MCCB							0
17	MCCB							0
18	MCCB							0
19	MCCB							0
20	MCCB							0
21	MCCB							0

DEMAND FACTOR

TOTAL LTG.	0.0	kVA	1.00	0.0	kVA
TOTAL MISC.	0.0	kVA	0.65	0.0	kVA
TOTAL REC.	0.0	kVA	Per NEC	0.0	kVA
TOTAL HVAC	0.0	kVA	0.70	0.0	kVA
TOTAL HTG	0.0	kVA	1.00	0.0	kVA

SUBTOTAL CONNECTED kVA = 0
SUBTOTAL DEMAND kVA = 0.0
TOTAL kVA WITH SPARE (125%) = 0
TOTAL AMPS = 0

LOCATION: GARDEN LEVEL WEST ELECTRICAL ROOM
SERVICE: 480 / 277 VOLTS, 3 PHASE, 4 WIRE
MAINS: 400 AMPS MAIN OVERCURRENT PROTECTION: 400
GROUNDING: GROUND BUS: YES ISOLATED GROUND BUS: NO
MOUNTING: SURFACE SCCR RATING: kAIC
REMARKS:

DISTRIBUTION PANEL DESIGNATION: **EDP-CB-GW**

CKT NO.	TYPE	RATING (AMPS)	POLES	TRIP (AMPS)	FEEDER	SERVES	REMARKS	LOAD (kVA)
1	MCCB							0
2	MCCB							0
3	MCCB							0
4	MCCB							0
5	MCCB							0
6	MCCB							0
7	MCCB							0
8	MCCB							0
9	MCCB							0
10	MCCB							0
11	MCCB							0
12	MCCB							0
13	MCCB							0
14	MCCB							0
15	MCCB							0
16	MCCB							0
17	MCCB							0
18	MCCB							0
19	MCCB							0
20	MCCB							0
21	MCCB							0

DEMAND FACTOR

TOTAL LTG.	0.0	kVA	1.00	0.0	kVA
TOTAL MISC.	0.0	kVA	0.65	0.0	kVA
TOTAL REC.	0.0	kVA	Per NEC	0.0	kVA
TOTAL HVAC	0.0	kVA	0.70	0.0	kVA
TOTAL HTG	0.0	kVA	1.00	0.0	kVA

SUBTOTAL CONNECTED kVA = 0
SUBTOTAL DEMAND kVA = 0.0
TOTAL kVA WITH SPARE (125%) = 0
TOTAL AMPS = 0

LOCATION: GARDEN LEVEL WEST ELECTRICAL ROOM
SERVICE: 480 / 277 VOLTS, 3 PHASE, 4 WIRE
MAINS: 400 AMPS MAIN OVERCURRENT PROTECTION: 300
GROUNDING: GROUND BUS: YES ISOLATED GROUND BUS: NO
MOUNTING: SURFACE SCCR RATING: kAIC
REMARKS:

DISTRIBUTION PANEL DESIGNATION: **DP-CB-GW**

CKT NO.	TYPE	RATING (AMPS)	POLES	TRIP (AMPS)	FEEDER	SERVES	REMARKS	LOAD (kVA)
1	MCCB							0
2	MCCB							0
3	MCCB							0
4	MCCB							0
5	MCCB							0
6	MCCB							0
7	MCCB							0
8	MCCB							0
9	MCCB							0
10	MCCB							0
11	MCCB							0
12	MCCB							0
13	MCCB							0
14	MCCB							0
15	MCCB							0
16	MCCB							0
17	MCCB							0
18	MCCB							0
19	MCCB							0
20	MCCB							0
21	MCCB							0

DEMAND FACTOR

TOTAL LTG.	0.0	kVA	1.00	0.0	kVA
TOTAL MISC.	0.0	kVA	0.65	0.0	kVA
TOTAL REC.	0.0	kVA	Per NEC	0.0	kVA
TOTAL HVAC	0.0	kVA	0.70	0.0	kVA
TOTAL HTG	0.0	kVA	1.00	0.0	kVA

SUBTOTAL CONNECTED kVA = 0
SUBTOTAL DEMAND kVA = 0.0
TOTAL kVA WITH SPARE (125%) = 0
TOTAL AMPS = 0

LOCATION: GARDEN LEVEL EAST ELECTRICAL ROOM
SERVICE: 480 / 277 VOLTS, 3 PHASE, 4 WIRE
MAINS: 400 AMPS MAIN OVERCURRENT PROTECTION: 300
GROUNDING: GROUND BUS: YES ISOLATED GROUND BUS: NO
MOUNTING: SURFACE SCCR RATING: kAIC
REMARKS:

DISTRIBUTION PANEL DESIGNATION: **DP-CB-GE**

CKT NO.	TYPE	RATING (AMPS)	POLES	TRIP (AMPS)	FEEDER	SERVES	REMARKS	LOAD (kVA)
1	MCCB							0
2	MCCB							0
3	MCCB							0
4	MCCB							0
5	MCCB							0
6	MCCB							0
7	MCCB							0
8	MCCB							0
9	MCCB							0
10	MCCB							0
11	MCCB							0
12	MCCB							0
13	MCCB							0
14	MCCB							0
15	MCCB							0
16	MCCB							0
17	MCCB							0
18	MCCB							0
19	MCCB							0
20	MCCB							0
21	MCCB							0

DEMAND FACTOR

TOTAL LTG.	0.0	kVA	1.00	0.0	kVA
TOTAL MISC.	0.0	kVA	0.65	0.0	kVA
TOTAL REC.	0.0	kVA	Per NEC	0.0	kVA
TOTAL HVAC	0.0	kVA	0.70	0.0	kVA
TOTAL HTG	0.0	kVA	1.00	0.0	kVA

SUBTOTAL CONNECTED kVA = 0
SUBTOTAL DEMAND kVA = 0.0
TOTAL kVA WITH SPARE (125%) = 0
TOTAL AMPS = 0

LOCATION: GARDEN LEVEL EAST MECHANICAL ROOM
SERVICE: 480 / 277 VOLTS, 3 PHASE, 4 WIRE
MAINS: 225 AMPS MAIN OVERCURRENT PROTECTION: 225
GROUNDING: GROUND BUS: YES ISOLATED GROUND BUS: NO
MOUNTING: SURFACE SCCR RATING: kAIC
REMARKS:

DISTRIBUTION PANEL DESIGNATION: **EPP-CB-GE**

CKT NO.	TYPE	RATING (AMPS)	POLES	TRIP (AMPS)	FEEDER	SERVES	REMARKS	LOAD (kVA)
1	MCCB							0
2	MCCB							0
3	MCCB							0
4	MCCB							0
5	MCCB							0
6	MCCB							0
7	MCCB							0
8	MCCB							0
9	MCCB							0
10	MCCB							0
11	MCCB							0
12	MCCB							0
13	MCCB							0
14	MCCB							0
15	MCCB							0
16	MCCB							0
17	MCCB							0
18	MCCB							0
19	MCCB							0
20	MCCB							0
21	MCCB							0

DEMAND FACTOR

TOTAL LTG.	0.0	kVA	1.00	0.0	kVA
TOTAL MISC.	0.0	kVA	0.65	0.0	kVA
TOTAL REC.	0.0	kVA	Per NEC	0.0	kVA
TOTAL HVAC	0.0	kVA	0.70	0.0	kVA
TOTAL HTG	0.0	kVA	1.00	0.0	kVA

SUBTOTAL CONNECTED kVA = 0
SUBTOTAL DEMAND kVA = 0.0
TOTAL kVA WITH SPARE (125%) = 0
TOTAL AMPS = 0

LOCATION: ATTIC WEST MECHANICAL ROOM
SERVICE: 480 / 277 VOLTS, 3 PHASE, 4 WIRE
MAINS: 225 AMPS MAIN OVERCURRENT PROTECTION: 225
GROUNDING: GROUND BUS: YES ISOLATED GROUND BUS: NO
MOUNTING: SURFACE SCCR RATING: kAIC
REMARKS:

DISTRIBUTION PANEL DESIGNATION: **DP-CB-AW**

CKT NO.	TYPE	RATING (AMPS)	POLES	TRIP (AMPS)	FEEDER	SERVES	REMARKS	LOAD (kVA)
1	MCCB							0
2	MCCB							0
3	MCCB							0
4	MCCB							0
5	MCCB							0
6	MCCB							0
7	MCCB							0
8	MCCB							0
9	MCCB							0
10	MCCB							0
11	MCCB							0
12	MCCB							0
13	MCCB							0
14	MCCB							0
15	MCCB							0
16	MCCB							0
17	MCCB							0
18	MCCB							0
19	MCCB							0
20	MCCB							0
21	MCCB							0

DEMAND FACTOR

TOTAL LTG.	0.0	kVA	1.00	0.0	kVA
TOTAL MISC.	0.0	kVA	0.65	0.0	kVA
TOTAL REC.	0.0	kVA	Per NEC	0.0	kVA
TOTAL HVAC	0.0	kVA	0.70	0.0	kVA
TOTAL HTG	0.0	kVA	1.00	0.0	kVA

SUBTOTAL CONNECTED kVA = 0
SUBTOTAL DEMAND kVA = 0.0
TOTAL kVA WITH SPARE (125%) = 0
TOTAL AMPS = 0

LOCATION: ATTIC WEST MECHANICAL ROOM
SERVICE: 480 / 277 VOLTS, 3 PHASE, 4 WIRE
MAINS: 225 AMPS MAIN OVERCURRENT PROTECTION: 225
GROUNDING: GROUND BUS: YES ISOLATED GROUND BUS: NO
MOUNTING: SURFACE SCCR RATING: kAIC
REMARKS:

DISTRIBUTION PANEL DESIGNATION: **DP-CB-AE**

CKT NO.	TYPE	RATING (AMPS)	POLES	TRIP (AMPS)	FEEDER	SERVES	REMARKS	LOAD (kVA)
1	MCCB							0
2	MCCB							0
3	MCCB							0
4	MCCB							0
5	MCCB							0
6	MCCB							0
7	MCCB							0
8	MCCB							0
9	MCCB							0
10	MCCB							0
11	MCCB							0
12	MCCB							0
13	MCCB							0
14	MCCB							0
15	MCCB							0
16	MCCB							0
17	MCCB							0
18	MCCB							0
19	MCCB							0
20	MCCB							0
21	MCCB							0

DEMAND FACTOR

TOTAL LTG.	0.0	kVA	1.00	0.0	kVA
TOTAL MISC.	0.0	kVA	0.65	0.0	kVA
TOTAL REC.	0.0	kVA	Per NEC	0.0	kVA
TOTAL HVAC	0.0	kVA	0.70	0.0	kVA
TOTAL HTG	0.0	kVA	1.00	0.0	kVA

SUBTOTAL CONNECTED kVA = 0
SUBTOTAL DEMAND kVA = 0.0
TOTAL kVA WITH SPARE (125%) = 0
TOTAL AMPS = 0

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PROJECT NUMBER 203619
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PKG. IDENTIFIER 2

PROPOSED ELECTRICAL SCHEDULES

SCALE NOT TO SCALE

2EX631

Schematic Design

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LOCATION: GARDEN LEVEL WEST ELECTRICAL ROOM
SERVICE: 208 / 120 VOLTS, 3 PHASE, 4 WIRE
MAINS: 400 AMPS MAIN OVERCURRENT PROTECTION: 400
GROUNDING: GROUND BUS: YES ISOLATED GROUND BUS: NO
MOUNTING: SURFACE SCCR RATING: ____ kAIC
REMARKS:
PANEL DESIGNATION:

RP-CB-GW (SECT. 1)

CKT NO.	TRIP AMPS	REMARKS	DESCRIPTION OF LOAD	LOAD (kVA)	PER PHASE (kVA)			LOAD (kVA)	DESCRIPTION OF LOAD	REMARKS	TRIP AMPS	CKT NO.
					A	B	C					
1	20/1			0.0	0.0			0.0			20/1	2
3	20/1			0.0		0.0		0.0			20/1	4
5	20/1			0.0			0.0	0.0			20/1	6
7	20/1			0.0	0.0			0.0			20/1	8
9	20/1			0.0		0.0		0.0			20/1	10
11	20/1			0.0			0.0	0.0			20/1	12
13	20/1			0.0	0.0			0.0			20/1	14
15	20/1			0.0		0.0		0.0			20/1	16
17	20/1			0.0			0.0	0.0			20/1	18
19	20/1			0.0	0.0			0.0			20/1	20
21	20/1			0.0		0.0		0.0			20/1	22
23	20/1			0.0			0.0	0.0			20/1	24
25	20/1			0.0	0.0			0.0			20/1	26
27	20/1			0.0		0.0		0.0			20/1	28
29	20/1			0.0			0.0	0.0			20/1	30
31	20/1			0.0	0.0			0.0			20/1	32
33	20/1			0.0		0.0		0.0			20/1	34
35	20/1			0.0			0.0	0.0			20/1	36
37	20/1			0.0	0.0			0.0			20/1	38
39	20/1			0.0		0.0		0.0			20/1	40
41	20/1			0.0			0.0	0.0			20/1	42

			DEMAND FACTOR		
TOTAL LTG.	0.0	kVA	1.00	0.0	kVA
TOTAL MISC.	0.0	kVA	1.00	0.0	kVA
TOTAL REC.	0.0	kVA	Per NEC	0.0	kVA
TOTAL HVAC	0.0	kVA	0.70	0.0	kVA
TOTAL HTG	0.0	kVA	1.00	0.0	kVA

	A	B	C
TOTAL kVA BY PHASE	0.0	0.0	0.0
	#DIV/0!	#DIV/0!	#DIV/0!

SUBTOTAL CONNECTED kVA =
SUBTOTAL DEMAND kVA =
TOTAL kVA WITH SPARE (125%) =
TOTAL AMPS =

Note: the total amps assumes three phase power.

LOCATION: GARDEN LEVEL WEST ELECTRICAL ROOM
SERVICE: 208 / 120 VOLTS, 3 PHASE, 4 WIRE
MAINS: 400 AMPS MAIN OVERCURRENT PROTECTION: NONE
GROUNDING: GROUND BUS: YES ISOLATED GROUND BUS: NO
MOUNTING: SURFACE SCCR RATING: ____ kAIC
REMARKS:
PANEL DESIGNATION:

RP-CB-GW (SECT. 2)

CKT NO.	TRIP AMPS	REMARKS	DESCRIPTION OF LOAD	LOAD (kVA)	PER PHASE (kVA)			LOAD (kVA)	DESCRIPTION OF LOAD	REMARKS	TRIP AMPS	CKT NO.
					A	B	C					
1	20/1			0.0	0.0			0.0			20/1	2
3	20/1			0.0		0.0		0.0			20/1	4
5	20/1			0.0			0.0	0.0			20/1	6
7	20/1			0.0	0.0			0.0			20/1	8
9	20/1			0.0		0.0		0.0			20/1	10
11	20/1			0.0			0.0	0.0			20/1	12
13	20/1			0.0	0.0			0.0			20/1	14
15	20/1			0.0		0.0		0.0			20/1	16
17	20/1			0.0			0.0	0.0			20/1	18
19	20/1			0.0	0.0			0.0			20/1	20
21	20/1			0.0		0.0		0.0			20/1	22
23	20/1			0.0			0.0	0.0			20/1	24
25	20/1			0.0	0.0			0.0			20/1	26
27	20/1			0.0		0.0		0.0			20/1	28
29	20/1			0.0			0.0	0.0			20/1	30
31	20/1			0.0	0.0			0.0			20/1	32
33	20/1			0.0		0.0		0.0			20/1	34
35	20/1			0.0			0.0	0.0			20/1	36
37	20/1			0.0	0.0			0.0			20/1	38
39	20/1			0.0		0.0		0.0			20/1	40
41	20/1			0.0			0.0	0.0			20/1	42

			DEMAND FACTOR		
TOTAL LTG.	0.0	kVA	1.00	0.0	kVA
TOTAL MISC.	0.0	kVA	1.00	0.0	kVA
TOTAL REC.	0.0	kVA	Per NEC	0.0	kVA
TOTAL HVAC	0.0	kVA	0.70	0.0	kVA
TOTAL HTG	0.0	kVA	1.00	0.0	kVA

	A	B	C
TOTAL kVA BY PHASE	0.0	0.0	0.0
	#DIV/0!	#DIV/0!	#DIV/0!

SUBTOTAL CONNECTED kVA =
SUBTOTAL DEMAND kVA =
TOTAL kVA WITH SPARE (125%) =
TOTAL AMPS =

Note: the total amps assumes three phase power.

LOCATION: GARDEN LEVEL EAST ELECTRICAL ROOM
SERVICE: 208 / 120 VOLTS, 3 PHASE, 4 WIRE
MAINS: 400 AMPS MAIN OVERCURRENT PROTECTION: 400
GROUNDING: GROUND BUS: YES ISOLATED GROUND BUS: NO
MOUNTING: SURFACE SCCR RATING: ____ kAIC
REMARKS:
PANEL DESIGNATION:

RP-CB-GE (SECT. 1)

CKT NO.	TRIP AMPS	REMARKS	DESCRIPTION OF LOAD	LOAD (kVA)	PER PHASE (kVA)			LOAD (kVA)	DESCRIPTION OF LOAD	REMARKS	TRIP AMPS	CKT NO.
					A	B	C					
1	20/1			0.0	0.0			0.0			20/1	2
3	20/1			0.0		0.0		0.0			20/1	4
5	20/1			0.0			0.0	0.0			20/1	6
7	20/1			0.0	0.0			0.0			20/1	8
9	20/1			0.0		0.0		0.0			20/1	10
11	20/1			0.0			0.0	0.0			20/1	12
13	20/1			0.0	0.0			0.0			20/1	14
15	20/1			0.0		0.0		0.0			20/1	16
17	20/1			0.0			0.0	0.0			20/1	18
19	20/1			0.0	0.0			0.0			20/1	20
21	20/1			0.0		0.0		0.0			20/1	22
23	20/1			0.0			0.0	0.0			20/1	24
25	20/1			0.0	0.0			0.0			20/1	26
27	20/1			0.0		0.0		0.0			20/1	28
29	20/1			0.0			0.0	0.0			20/1	30
31	20/1			0.0	0.0			0.0			20/1	32
33	20/1			0.0		0.0		0.0			20/1	34
35	20/1			0.0			0.0	0.0			20/1	36
37	20/1			0.0	0.0			0.0			20/1	38
39	20/1			0.0		0.0		0.0			20/1	40
41	20/1			0.0			0.0	0.0			20/1	42

			DEMAND FACTOR		
TOTAL LTG.	0.0	kVA	1.00	0.0	kVA
TOTAL MISC.	0.0	kVA	1.00	0.0	kVA
TOTAL REC.	0.0	kVA	Per NEC	0.0	kVA
TOTAL HVAC	0.0	kVA	0.70	0.0	kVA
TOTAL HTG	0.0	kVA	1.00	0.0	kVA

	A	B	C
TOTAL kVA BY PHASE	0.0	0.0	0.0
	#DIV/0!	#DIV/0!	#DIV/0!

SUBTOTAL CONNECTED kVA =
SUBTOTAL DEMAND kVA =
TOTAL kVA WITH SPARE (125%) =
TOTAL AMPS =

Note: the total amps assumes three phase power.

LOCATION: GARDEN LEVEL EAST ELECTRICAL ROOM
SERVICE: 208 / 120 VOLTS, 3 PHASE, 4 WIRE
MAINS: 400 AMPS MAIN OVERCURRENT PROTECTION: NONE
GROUNDING: GROUND BUS: YES ISOLATED GROUND BUS: NO
MOUNTING: SURFACE SCCR RATING: ____ kAIC
REMARKS:
PANEL DESIGNATION:

RP-CB-GE (SECT. 2)

CKT NO.	TRIP AMPS	REMARKS	DESCRIPTION OF LOAD	LOAD (kVA)	PER PHASE (kVA)			LOAD (kVA)	DESCRIPTION OF LOAD	REMARKS	TRIP AMPS	CKT NO.
					A	B	C					
1	20/1			0.0	0.0			0.0			20/1	2
3	20/1			0.0		0.0		0.0			20/1	4
5	20/1			0.0			0.0	0.0			20/1	6
7	20/1			0.0	0.0			0.0			20/1	8
9	20/1			0.0		0.0		0.0			20/1	10
11	20/1			0.0			0.0	0.0			20/1	12
13	20/1			0.0	0.0			0.0			20/1	14
15	20/1			0.0		0.0		0.0			20/1	16
17	20/1			0.0			0.0	0.0			20/1	18
19	20/1			0.0	0.0			0.0			20/1	20
21	20/1			0.0		0.0		0.0			20/1	22
23	20/1			0.0			0.0	0.0			20/1	24
25	20/1			0.0	0.0			0.0			20/1	26
27	20/1			0.0		0.0		0.0			20/1	28
29	20/1			0.0			0.0	0.0			20/1	30
31	20/1			0.0	0.0			0.0			20/1	32
33	20/1			0.0		0.0		0.0			20/1	34
35	20/1			0.0			0.0	0.0			20/1	36
37	20/1			0.0	0.0			0.0			20/1	38
39	20/1			0.0		0.0		0.0			20/1	40
41	20/1			0.0			0.0	0.0			20/1	42

			DEMAND FACTOR		
TOTAL LTG.	0.0	kVA	1.00	0.0	kVA
TOTAL MISC.	0.0	kVA	1.00	0.0	kVA
TOTAL REC.	0.0	kVA	Per NEC	0.0	kVA
TOTAL HVAC	0.0	kVA	0.70	0.0	kVA
TOTAL HTG	0.0	kVA	1.00	0.0	kVA

	A	B	C
TOTAL kVA BY PHASE	0.0	0.0	0.0
	#DIV/0!	#DIV/0!	#DIV/0!

SUBTOTAL CONNECTED kVA =
SUBTOTAL DEMAND kVA =
TOTAL kVA WITH SPARE (125%) =
TOTAL AMPS =

Note: the total amps assumes three phase power.

LOCATION: SECOND FLOOR EAST ELECTRICAL ROOM
SERVICE: 208 / 120 VOLTS, 3 PHASE, 4 WIRE
MAINS: 400 AMPS MAIN OVERCURRENT PROTECTION: 400
GROUNDING: GROUND BUS: YES ISOLATED GROUND BUS: NO
MOUNTING: SURFACE SCCR RATING: ____ kAIC
REMARKS:
PANEL DESIGNATION:

RP-CB-2E (SECT. 1)

CKT NO.	TRIP AMPS	REMARKS	DESCRIPTION OF LOAD	LOAD (kVA)	PER PHASE (kVA)			LOAD (kVA)	DESCRIPTION OF LOAD	REMARKS	TRIP AMPS	CKT NO.
					A	B	C					
1	20/1			0.0	0.0			0.0			20/1	2
3	20/1			0.0		0.0		0.0			20/1	4
5	20/1			0.0			0.0	0.0			20/1	6
7	20/1			0.0	0.0			0.0			20/1	8
9	20/1			0.0		0.0		0.0			20/1	10
11	20/1			0.0			0.0	0.0			20/1	12
13	20/1			0.0	0.0			0.0			20/1	14
15	20/1			0.0		0.0		0.0			20/1	16
17	20/1			0.0			0.0	0.0			20/1	18
19	20/1			0.0	0.0			0.0			20/1	20
21	20/1			0.0		0.0		0.0			20/1	22
23	20/1			0.0			0.0	0.0			20/1	24
25	20/1			0.0	0.0			0.0			20/1	26
27	20/1			0.0		0.0		0.0			20/1	28
29	20/1			0.0			0.0	0.0			20/1	30
31	20/1			0.0	0.0			0.0			20/1	32
33	20/1			0.0		0.0		0.0			20/1	34
35	20/1			0.0			0.0	0.0			20/1	36
37	20/1			0.0	0.0			0.0			20/1	38
39	20/1			0.0		0.0		0.0			20/1	40
41	20/1			0.0			0.0	0.0			20/1	42

			DEMAND FACTOR		
TOTAL LTG.	0.0	kVA	1.00	0.0	kVA
TOTAL MISC.	0.0	kVA	1.00	0.0	kVA
TOTAL REC.	0.0	kVA	Per NEC	0.0	kVA
TOTAL HVAC	0.0	kVA	0.70	0.0	kVA
TOTAL HTG	0.0	kVA	1.00	0.0	kVA

	A	B	C
TOTAL kVA BY PHASE	0.0	0.0	0.0
	#DIV/0!	#DIV/0!	#DIV/0!

SUBTOTAL CONNECTED kVA =
SUBTOTAL DEMAND kVA =
TOTAL kVA WITH SPARE (125%) =
TOTAL AMPS =

Note: the total amps assumes three phase power.

LOCATION: SECOND FLOOR WEST ELECTRICAL ROOM
SERVICE: 208 / 120 VOLTS, 3 PHASE, 4 WIRE
MAINS: 400 AMPS MAIN OVERCURRENT PROTECTION: NONE
GROUNDING: GROUND BUS: YES ISOLATED GROUND BUS: NO
MOUNTING: SURFACE SCCR RATING: ____ kAIC
REMARKS:
PANEL DESIGNATION:

RP-CB-2W (SECT. 2)

CKT NO.	TRIP AMPS	REMARKS	DESCRIPTION OF LOAD	LOAD (kVA)	PER PHASE (kVA)			LOAD (kVA)	DESCRIPTION OF LOAD	REMARKS	TRIP AMPS	CKT NO.
					A	B	C					
1	20/1			0.0	0.0			0.0			20/1	2
3	20/1			0.0		0.0		0.0			20/1	4
5	20/1			0.0			0.0	0.0			20/1	6
7	20/1			0.0	0.0			0.0			20/1	8
9	20/1			0.0		0.0		0.0			20/1	10
11	20/1			0.0			0.0	0.0			20/1	12
13	20/1			0.0	0.0			0.0			20/1	14
15	20/1			0.0		0.0		0.0			20/1	16
17	20/1			0.0			0.0	0.0			20/1	18
19	20/1			0.0	0.0			0.0			20/1	20
21	20/1			0.0		0.0		0.0			20/1	22
23	20/1			0.0			0.0	0.0			20/1	24
25	20/1			0.0	0.0			0.0			20/1	26
27	20/1			0.0		0.0		0.0			20/1	28
29	20/1			0.0			0.0	0.0			20/1	30
31	20/1			0.0	0.0			0.0			20/1	32
33	20/1			0.0		0.0		0.0			20/1	34
35	20/1			0.0			0.0	0.0			20/1	36
37	20/1			0.0	0.0			0.0			20/1	38
39	20/1			0.0		0.0		0.0			20/1	40
41	20/1			0.0			0.0	0.0			20/1	42

			DEMAND FACTOR		
TOTAL LTG.	0.0	kVA	1.00	0.0	kVA
TOTAL MISC.	0.0	kVA	1.00	0.0	kVA
TOTAL REC.	0.0	kVA	Per NEC	0.0	kVA
TOTAL HVAC	0.0	kVA	0.70	0.0	kVA
TOTAL HTG	0.0	kVA	1.00	0.0	kVA

	A	B	C
TOTAL kVA BY PHASE	0.0	0.0	0.0
	#DIV/0!	#DIV/0!	#DIV/0!

SUBTOTAL CONNECTED kVA =
SUBTOTAL DEMAND kVA =
TOTAL kVA WITH SPARE (125%) =
TOTAL AMPS =

Note: the total amps assumes three phase power.

LOCATION: SECOND FLOOR WEST ELECTRICAL ROOM
SERVICE: 208 / 120 VOLTS, 3 PHASE, 4 WIRE
MAINS: 125 AMPS MAIN OVERCURRENT PROTECTION: 100
GROUNDING: GROUND BUS: YES ISOLATED GROUND BUS: NO
MOUNTING: SURFACE SCCR RATING: ____ kAIC
REMARKS:
PANEL DESIGNATION:

ERP-CB-2W

CKT NO.	TRIP AMPS	REMARKS	DESCRIPTION OF LOAD	LOAD (kVA)	PER PHASE (kVA)			LOAD (kVA)	DESCRIPTION OF LOAD	REMARKS	TRIP AMPS	CKT NO.
					A	B	C					
1	20/1			0.0	0.0			0.0			20/1	2
3	20/1			0.0		0.0		0.0			20/1	4
5	20/1			0.0			0.0	0.0			20/1	6
7	20/1			0.0	0.0			0.0			20/1	8
9	20/1			0.0		0.0		0.0			20/1	10
11	20/1			0.0			0.0	0.0			20/1	12
13	20/1			0.0	0.0			0.0			20/1	14
15	20/1			0.0		0.0		0.0			20/1	16
17	20/1			0.0			0.0	0.0			20/1	18
19	20/1			0.0	0.0			0.0			20/1	20
21	20/1			0.0		0.0		0.0			20/1	22
23	20/1			0.0			0.0	0.0			20/1	24
25	20/1			0.0	0.0			0.0			20/1	26
27	20/1			0.0		0.0		0.0			20/1	28
29	20/1			0.0			0.0	0.0			20/1	30
31	20/1			0.0	0.0			0.0			20/1	32
33	20/1			0.0		0.0		0.0			20/1	34
35	20/1			0.0			0.0	0.0			20/1	36
37	20/1			0.0	0.0			0.0			20/1	38
39	20/1			0.0		0.0		0.0			20/1	40
41	20/1			0.0			0.0	0.0			20/1	42

			DEMAND FACTOR		
TOTAL LTG.	0.0	kVA	1.00	0.0	kVA
TOTAL MISC.	0.0	kVA	1.00	0.0	kVA
TOTAL REC.	0.0	kVA	Per NEC	0.0	kVA
TOTAL HVAC	0.0	kVA	0.70	0.0	kVA
TOTAL HTG	0.0	kVA	1.00	0.0	kVA

	A	B	C
TOTAL kVA BY PHASE	0.0	0.0	0.0
	#DIV/0!	#DIV/0!	#DIV/0!

SUBTOTAL CONNECTED kVA =
SUBTOTAL DEMAND kVA =
TOTAL kVA WITH SPARE (125%) =
TOTAL AMPS =

Note: the total amps assumes three phase power.

LOCATION: SECOND FLOOR EAST ELECTRICAL ROOM
SERVICE: 208 / 120 VOLTS, 3 PHASE, 4 WIRE
MAINS: 400 AMPS MAIN OVERCURRENT PROTECTION: 400
GROUNDING: GROUND BUS: YES ISOLATED GROUND BUS: NO
MOUNTING: SURFACE SCCR RATING: ____ kAIC
REMARKS:
PANEL DESIGNATION:

RP-CB-2E (SECT. 1)

CKT NO.	TRIP AMPS	REMARKS	DESCRIPTION OF LOAD	LOAD (kVA)	PER PHASE (kVA)			LOAD (kVA)	DESCRIPTION OF LOAD	REMARKS	TRIP AMPS	CKT NO.
					A	B	C					
1	20/1			0.0	0.0			0.0			20/1	2
3	20/1			0.0		0.0		0.0			20/1	4
5	20/1			0.0			0.0	0.0			20/1	6
7	20/1			0.0	0.0			0.0			20/1	8
9	20/1			0.0		0.0		0.0			20/1	10
11	20/1			0.0			0.0	0.0			20/1	12
13	20/1			0.0	0.0			0.0			20/1	14
15	20/1			0.0		0.0		0.0			20/1	16
17	20/1			0.0			0.0	0.0			20/1	18
19	20/1			0.0	0.0			0.0			20/1	20
21	20/1			0.0		0.0		0.0			20/1	22
23	20/1			0.0			0.0	0.0			20/1	24
25	20/1			0.0	0.0			0.0			20/1	26
27	20/1			0.0		0.0		0.0			20/1	28
29	20/1			0.0			0.0	0.0			20/1	30
31	20/1			0.0	0.0			0.0			20/1	32
33	20/1			0.0		0.0		0.0			20/1	34
35	20/1			0.0			0.0	0.0			20/1	36
37	20/1			0.0	0.0			0.0			20/1	38
39	20/1			0.0		0.0		0.0			20/1	40
41	20/1			0.0			0.0	0.0			20/1	42

			DEMAND FACTOR		
TOTAL LTG.	0.0	kVA	1.00	0.0	kVA
TOTAL MISC.	0.0	kVA	1.00	0.0	kVA
TOTAL REC.	0.0	kVA	Per NEC	0.0	kVA
TOTAL HVAC	0.0	kVA	0.70	0.0	kVA
TOTAL HTG	0.0	kVA	1.00	0.0	kVA

	A	B	C
TOTAL kVA BY PHASE	0.0	0.0	0.0
	#DIV/0!	#DIV/0!	#DIV/0!

SUBTOTAL CONNECTED kVA =
SUBTOTAL DEMAND kVA =
TOTAL kVA WITH SPARE (125%) =
TOTAL AMPS =

Note: the total amps assumes three phase power.

LOCATION: SECOND FLOOR EAST ELECTRICAL ROOM
SERVICE: 208 / 120 VOLTS, 3 PHASE, 4 WIRE
MAINS: 400 AMPS MAIN OVERCURRENT PROTECTION: NONE
GROUNDING: GROUND BUS: YES ISOLATED GROUND BUS: NO
MOUNTING: SURFACE SCCR RATING: ____ kAIC
REMARKS:
PANEL DESIGNATION:

RP-CB-2E (SECT. 2)

CKT NO.	TRIP AMPS	REMARKS	DESCRIPTION OF LOAD	LOAD (kVA)	PER PHASE (kVA)			LOAD (kVA)	DESCRIPTION OF LOAD	REMARKS	TRIP AMPS	CKT NO.
					A	B	C					
1	20/1			0.0	0.0			0.0			20/1	2
3	20/1			0.0		0.0		0.0			20/1	4
5	20/1			0.0			0.0	0.0			20/1	6
7	20/1			0.0	0.0			0.0			20/1	8
9	20/1			0.0		0.0		0.0			20/1	10
11	20/1			0.0			0.0	0.0			20/1	12
13	20/1			0.0	0.0			0.0			20/1	14
15	20/1			0.0		0.0		0.0			20/1	16
17	20/1			0.0			0.0	0.0			20/1	18
19	20/1			0.0	0.0			0.0			20/1	20
21	20/1			0.0		0.0		0.0			20/1	22
23	20/1			0.0			0.0	0.0			20/1	24
25	20/1			0.0	0.0			0.0			20/1	26
27	20/1			0.0		0.0		0.0			20/1	28
29	20/1			0.0			0.0	0.0			20/1	30
31	20/1			0.0	0.0			0.0			20/1	32
33	20/1			0.0		0.0		0.0			20/1	34
35	20/1			0.0			0.0	0.0			20/1	36
37	20/1			0.0	0.0			0.0			20/1	38
39	20/1			0.0		0.0		0.0			20/1	40
41	20/1			0.0			0.0	0.0			20/1	42

			DEMAND FACTOR		
TOTAL LTG.	0.0	kVA	1.00	0.0	kVA
TOTAL MISC.	0.0	kVA	1.00	0.0	kVA
TOTAL REC.	0.0	kVA	Per NEC	0.0	kVA
TOTAL HVAC	0.0	kVA	0.70	0.0	kVA
TOTAL HTG	0.0	kVA	1.00	0.0	kVA

	A	B	C
TOTAL kVA BY PHASE	0.0	0.0	0.0
	#DIV/0!	#DIV/0!	#DIV/0!

SUBTOTAL CONNECTED kVA =
SUBTOTAL DEMAND kVA =
TOTAL kVA WITH SPARE (125%) =
TOTAL AMPS =

Note: the total amps assumes three phase power.

LOCATION: SECOND FLOOR EAST ELECTRICAL ROOM
SERVICE: 208 / 120 VOLTS, 3 PHASE, 4 WIRE
MAINS: 125 AMPS MAIN OVERCURRENT PROTECTION: 100
GROUNDING: GROUND BUS: YES ISOLATED GROUND BUS: NO
MOUNTING: SURFACE SCCR RATING: ____ kAIC
REMARKS:
PANEL DESIGNATION:

ERP-CB-2E

CKT NO.	TRIP AMPS	REMARKS	DESCRIPTION OF LOAD	LOAD (kVA)	PER PHASE (kVA)			LOAD (kVA)	DESCRIPTION OF LOAD	REMARKS	TRIP AMPS	CKT NO.
					A	B	C					
1	20/1			0.0	0.0			0.0			20/1	2
3	20/1			0.0		0.0		0.0			20/1	4
5	20/1			0.0			0.0	0.0			20/1	6
7	20/1			0.0	0.0			0.0			20/1	8
9	20/1			0.0		0.0		0.0			20/1	10
11	20/1			0.0			0.0	0.0			20/1	12
13	20/1			0.0	0.0			0.0			20/1	14
15	20/1			0.0		0.0		0.0			20/1	16
17	20/1			0.0			0.0	0.0			20/1	18
19	20/1			0.0	0.0			0.0			20/1	20
21	20/1			0.0		0.0		0.0			20/1	22
23	20/1			0.0			0.0	0.0			20/1	24
25	20/1			0.0	0.0			0.0			20/1	26
27	20/1			0.0		0.0		0.0			20/1	28
29	20/1			0.0			0.0	0.0			20/1	30
31	20/1			0.0	0.0			0.0			20/1	32
33	20/1			0.0		0.0		0.0			20/1	34
35	20/1			0.0			0.0	0.0			20/1	36
37	20/1			0.0	0.0			0.0			20/1	38
39	20/1			0.0		0.0		0.0			20/1	40
41	20/1			0.0			0.0	0.0			20/1	42

			DEMAND FACTOR		
TOTAL LTG.	0.0	kVA	1.00	0.0	kVA
TOTAL MISC.	0.0	kVA	1.00	0.0	kVA
TOTAL REC.	0.0	kVA	Per NEC	0.0	kVA
TOTAL HVAC	0.0	kVA	0.70	0.0	kVA
TOTAL HTG	0.0	kVA	1.00	0.0	kVA

	A	B	C
TOTAL kVA BY PHASE	0.0	0.0	0.0
	#DIV/0!	#DIV/0!	#DIV/0!

SUBTOTAL CONNECTED kVA =
SUBTOTAL DEMAND kVA =
TOTAL kVA WITH SPARE (125%) =
TOTAL AMPS =

Note: the total amps assumes three phase power.

State of Wyoming

Administration & Information
Construction Management

Capitol Square
Rehabilitation and Restoration

HDR PDP

LORING CONSULTING ENGINEERS

PRELIMINARY
NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION
1	2014/12/19	SD OWNER REVIEW

PROJECT NUMBER 203619
ORIGINAL ISSUE -- -
PKG. IDENTIFIER 2

PROPOSED ELECTRICAL SCHEDULES

SCALE NOT TO SCALE

2EX632

Schematic Design

LOCATION: THIRD FLOOR WEST CHAMBERS
SERVICE: 208 / 120 VOLTS, 3 PHASE, 4 WIRE
MAINS: 125 AMPS MAIN OVERCURRENT PROTECTION: 100
GROUNDING: GROUND BUS: YES ISOLATED GROUND BUS: NO
MOUNTING: SURFACE SCCR RATING: kAIC

REMARKS:

PANEL DESIGNATION:

RP-CB-3WC

CKT NO.	TRIP AMPS	REMARKS	DESCRIPTION OF LOAD	LOAD (KVA)	PER PHASE (KVA) A	B	C	LOAD (KVA)	DESCRIPTION OF LOAD	REMARKS	TRIP AMPS	CKT NO.
1	20/1			0.0	0.0			0.0			20/1	2
3	20/1			0.0		0.0		0.0			20/1	4
5	20/1			0.0			0.0	0.0			20/1	6
7	20/1			0.0	0.0			0.0			20/1	8
9	20/1			0.0		0.0		0.0			20/1	10
11	20/1			0.0			0.0	0.0			20/1	12
13	20/1			0.0	0.0			0.0			20/1	14
15	20/1			0.0		0.0		0.0			20/1	16
17	20/1			0.0			0.0	0.0			20/1	18
19	20/1			0.0	0.0			0.0			20/1	20
21	20/1			0.0		0.0		0.0			20/1	22
23	20/1			0.0			0.0	0.0			20/1	24
25	20/1			0.0	0.0			0.0			20/1	26
27	20/1			0.0		0.0		0.0			20/1	28
29	20/1			0.0			0.0	0.0			20/1	30
31	20/1			0.0	0.0			0.0			20/1	32
33	20/1			0.0		0.0		0.0			20/1	34
35	20/1			0.0			0.0	0.0			20/1	36
37	20/1			0.0	0.0			0.0			20/1	38
39	20/1			0.0		0.0		0.0			20/1	40
41	20/1			0.0			0.0	0.0			20/1	42

DEMAND FACTOR

TOTAL LTG.	0.0	kVA	1.00	0.0	kVA
TOTAL MISC.	0.0	kVA	1.00	0.0	kVA
TOTAL REC.	0.0	kVA	Per NEC	0.0	kVA
TOTAL HVAC	0.0	kVA	0.70	0.0	kVA
TOTAL HTG	0.0	kVA	1.00	0.0	kVA

TOTAL kVA BY PHASE: A 0.0, B 0.0, C 0.0

SUBTOTAL CONNECTED kVA =
SUBTOTAL DEMAND kVA =
TOTAL kVA WITH SPARE (125%) =
TOTAL AMPS =

Note: the total amps assumes three phase power.

#DIV/0! #DIV/0! #DIV/0!

LOCATION: THIRD FLOOR EAST CHAMBERS
SERVICE: 208 / 120 VOLTS, 3 PHASE, 4 WIRE
MAINS: 125 AMPS MAIN OVERCURRENT PROTECTION: 100
GROUNDING: GROUND BUS: YES ISOLATED GROUND BUS: NO
MOUNTING: SURFACE SCCR RATING: kAIC

REMARKS:

PANEL DESIGNATION:

RP-CB-3EC

CKT NO.	TRIP AMPS	REMARKS	DESCRIPTION OF LOAD	LOAD (KVA)	PER PHASE (KVA) A	B	C	LOAD (KVA)	DESCRIPTION OF LOAD	REMARKS	TRIP AMPS	CKT NO.
1	20/1			0.0	0.0			0.0			20/1	2
3	20/1			0.0		0.0		0.0			20/1	4
5	20/1			0.0			0.0	0.0			20/1	6
7	20/1			0.0	0.0			0.0			20/1	8
9	20/1			0.0		0.0		0.0			20/1	10
11	20/1			0.0			0.0	0.0			20/1	12
13	20/1			0.0	0.0			0.0			20/1	14
15	20/1			0.0		0.0		0.0			20/1	16
17	20/1			0.0			0.0	0.0			20/1	18
19	20/1			0.0	0.0			0.0			20/1	20
21	20/1			0.0		0.0		0.0			20/1	22
23	20/1			0.0			0.0	0.0			20/1	24
25	20/1			0.0	0.0			0.0			20/1	26
27	20/1			0.0		0.0		0.0			20/1	28
29	20/1			0.0			0.0	0.0			20/1	30
31	20/1			0.0	0.0			0.0			20/1	32
33	20/1			0.0		0.0		0.0			20/1	34
35	20/1			0.0			0.0	0.0			20/1	36
37	20/1			0.0	0.0			0.0			20/1	38
39	20/1			0.0		0.0		0.0			20/1	40
41	20/1			0.0			0.0	0.0			20/1	42

DEMAND FACTOR

TOTAL LTG.	0.0	kVA	1.00	0.0	kVA
TOTAL MISC.	0.0	kVA	1.00	0.0	kVA
TOTAL REC.	0.0	kVA	Per NEC	0.0	kVA
TOTAL HVAC	0.0	kVA	0.70	0.0	kVA
TOTAL HTG	0.0	kVA	1.00	0.0	kVA

TOTAL kVA BY PHASE: A 0.0, B 0.0, C 0.0

SUBTOTAL CONNECTED kVA =
SUBTOTAL DEMAND kVA =
TOTAL kVA WITH SPARE (125%) =
TOTAL AMPS =

Note: the total amps assumes three phase power.

#DIV/0! #DIV/0! #DIV/0!

State of Wyoming

Administration & Information
Construction Management

Capitol Square
Rehabilitation and Restoration

HDR PDP RLA ASSOCIATES

LORING CONSULTING ENGINEERS

PRELIMINARY
NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION
1	2014/12/19	SD OWNER REVIEW

PROJECT NUMBER 203619
ORIGINAL ISSUE - -
PKG. IDENTIFIER 2

PROPOSED ELECTRICAL SCHEDULES

SCALE NOT TO SCALE

2EX633

Schematic Design

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