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## GENERAL WALL ASSEMBLY NOTES:

PHASING PLAN IS REQUIRED FOR THE DATA CENTER ROOM 926  
 CONSTRUCTION. RE: AE400-ENLARGED PHASING PLAN - DATA CENTER

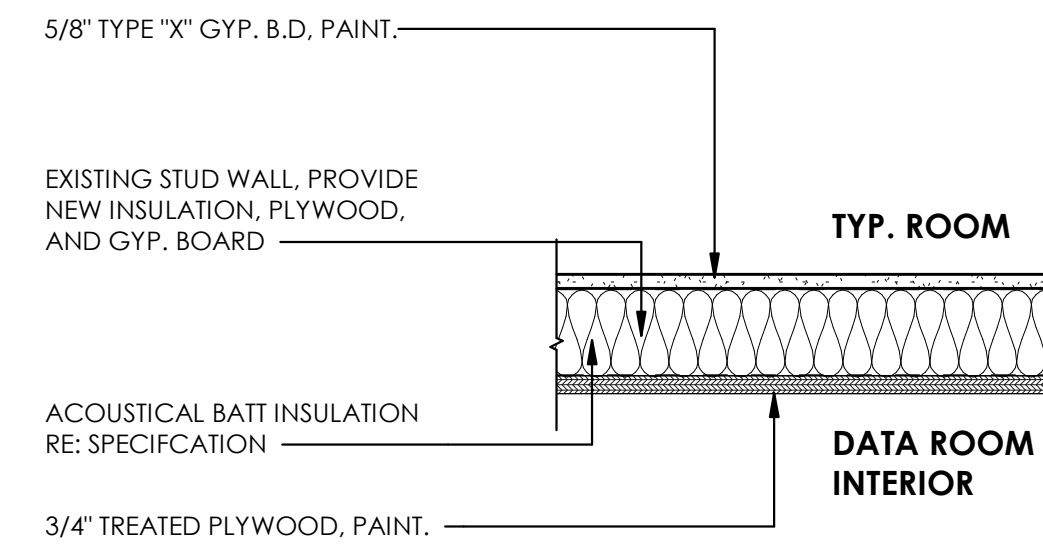
ALL ACOUSTICAL WALLS ARE TO BE SEALED AT HEAD AND BASE CONNECTIONS ACHIEVE REQUIRED STC RATING.

ALL FIRE RATED WALL ARE TO BE SEALED AT ALL EGEGS AND PENETRATIONS AS REQUIRED.

BUILDING ENVELOPE IS TO BE MAINTAINED. PATCH AND REPAIR AS REQUIRED.

REFER TO MOUNTING HEIGHTS AND AE400 INTERIOR ELEVATION SHEETS FOR ALL ITEMS REQUIRING BLOCKING PRIOR TO INSTALATION.

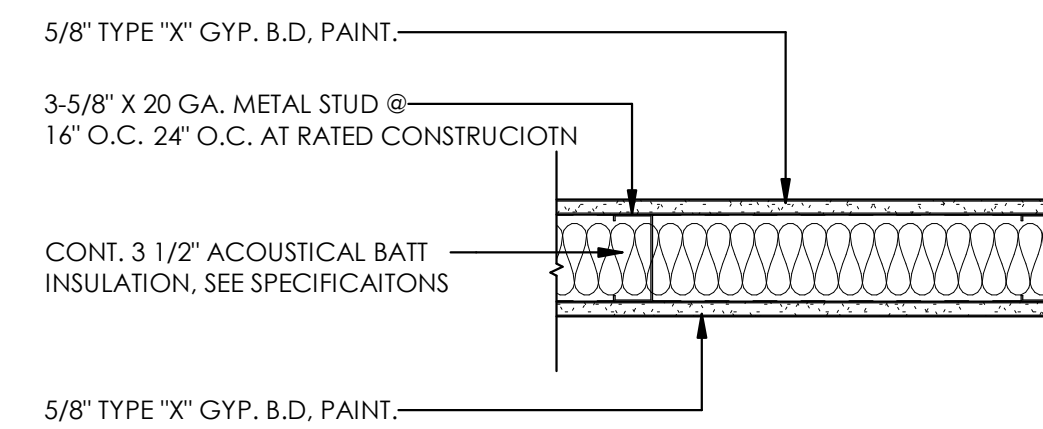
## INTERIOR WALL TYPES



**ACOUSTIC REQUIREMNTS:** STC: 49  
 APPROVED CONT. ACOUSTIC SEALANT AT ALL EDGES, PENN. & OPENINGS.

### INT - ACOUS - MTL STUD 3 5/8" - PLYWOOD 9E

ATTACH STUDS TO STRUCT ABOVE. EXTEND WALLBOARD 6" MIN ABOVE ADJACENT CEILING HEIGHT. ALL EXPOSED STUDS TO RECIEVE WALLBOARD & FINISH.  
 PLYWOOD TO EXTEND TO STRUCT. DECK ABOVE.

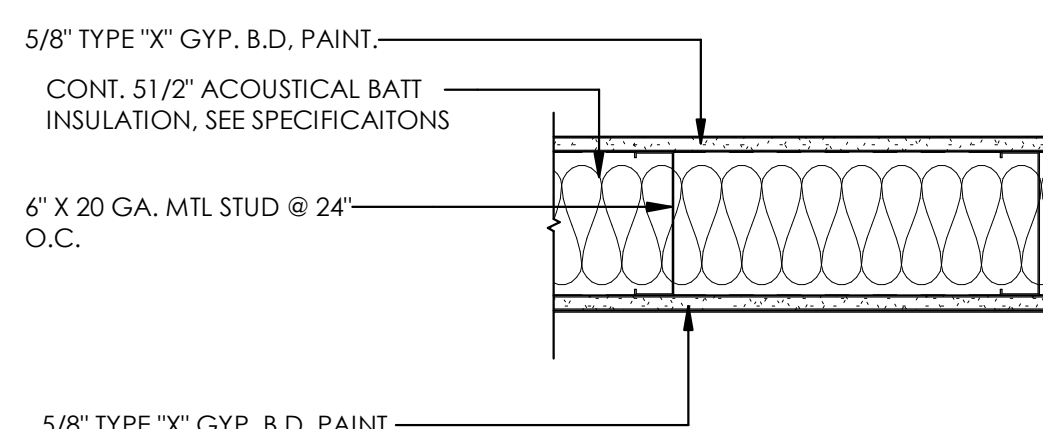


**ACOUSTIC REQUIREMNTS:** STC: 49  
 APPROVED CONT. ACOUSTIC SEALANT AT ALL EDGES, PENN. & OPENINGS.

**FIRE RATED REQUIREMNTS:** UL: 419  
 APPROVED CONT. FIRE RATED SEALANT AT ALL EDGES, PENN. & OPENINGS.

### INT - ACOUS - MTL STUD 3 5/8" - GYP BD 9F

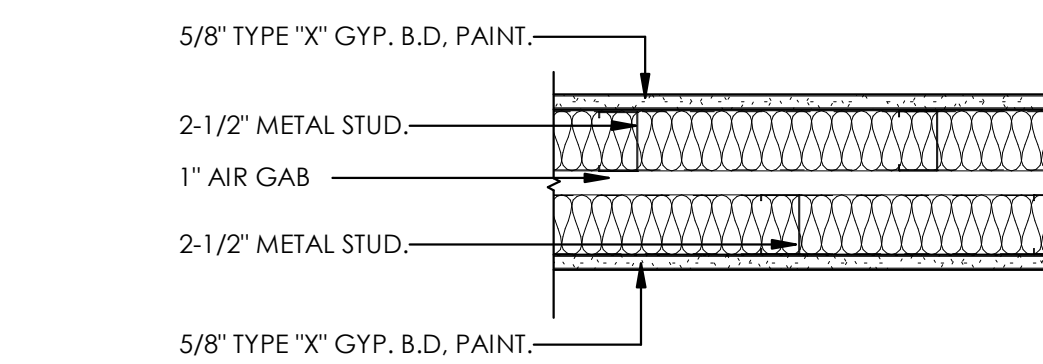
ATTACH STUDS & WALLBOARD TO STRUCUTRE ABOVE. ALL EXPOSED STUDS TO RECIEVE WALLBOARD & FINISH.



**ACOUSTIC REQUIREMNTS:** STC: 49  
 APPROVED CONT. ACOUSTIC SEALANT AT ALL EDGES, PENN. & OPENINGS.

### INT - ACOUS - MTL STUD 6" - GYP. BD. 9G

ATTACH STUDS & WALLBOARD TO STRUCUTRE ABOVE. ALL EXPOSED STUDS TO RECIEVE WALLBOARD & FINISH.



**ACOUSTIC REQUIREMNTS:** STC: 59  
 STAGAR STUDS W/ 1" AIR GAP. APPROVED CONT. ACOUSTIC SEALANT AT ALL EDGES, PENN. & OPENINGS.

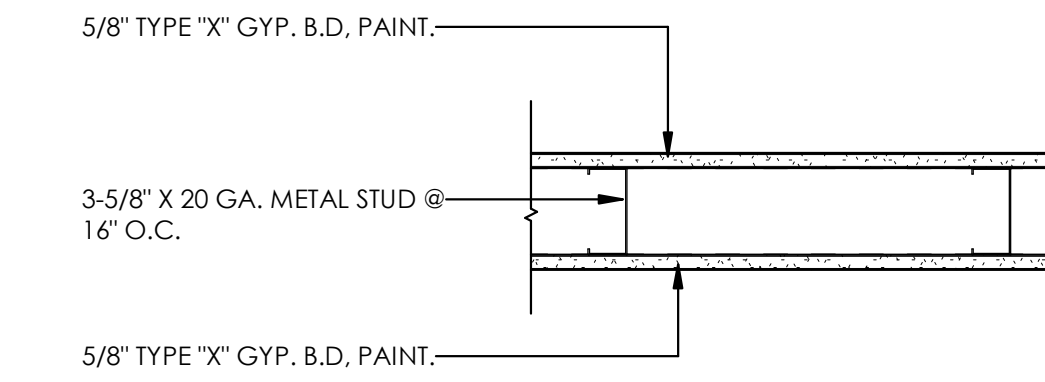
### INT - ACOUS-MTL STUD (2) 2 1/2" - GYP.BD 9H

ATTACH STUDS & WALLBOARD TO STRUCUTRE ABOVE. ALL EXPOSED STUDS TO RECIEVE WALLBOARD & FINISH.

## RELATED SHEET REFERENCE

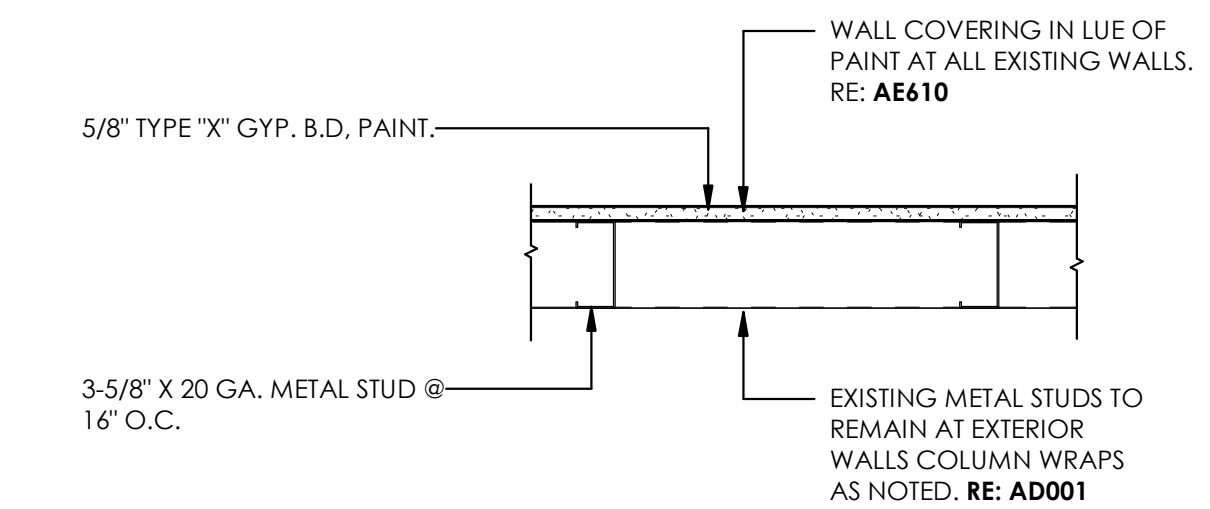
AE001 - CODE PLAN  
 AE003-5 - UL WALL ASSEMBLIES  
 AE006 - UL RATED PENETRATION ASSEMBLIES  
 AE400 - ENLARGED PHASING PLAN  
 AE500 - DETILAS - FRAMING & FIRE RATED CONSTRUCTION

## INTERIOR WALL TYPES



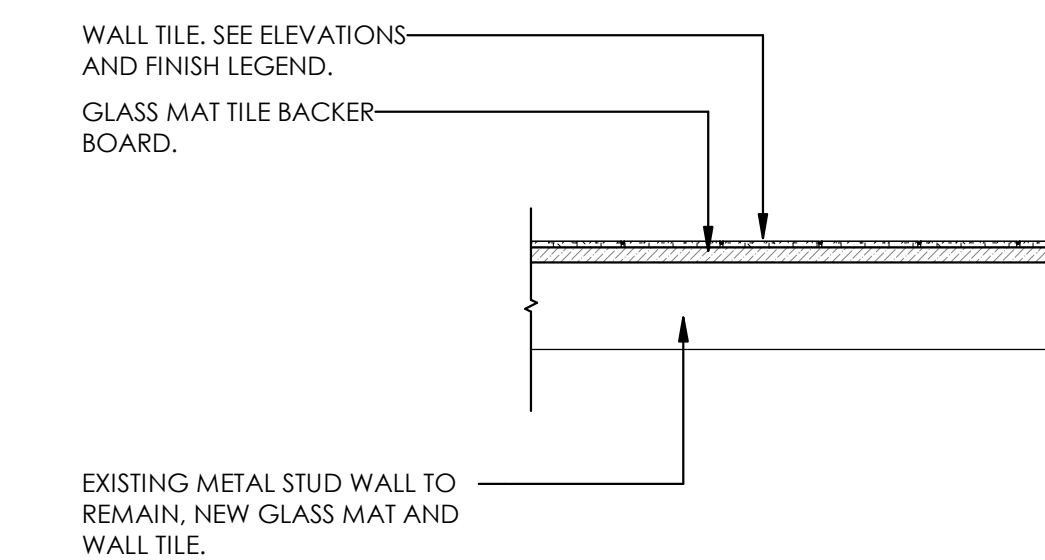
### INT-MTL STUD 3 5/8" - GYP BD 9A

ATTACH STUDS TO STRUCT ABOVE. EXTEND WALLBOARD 6" MIN ABOVE ADJACENT CEILING HEIGHT. ALL EXPOSED STUDS TO RECIEVE WALLBOARD & FINISH.



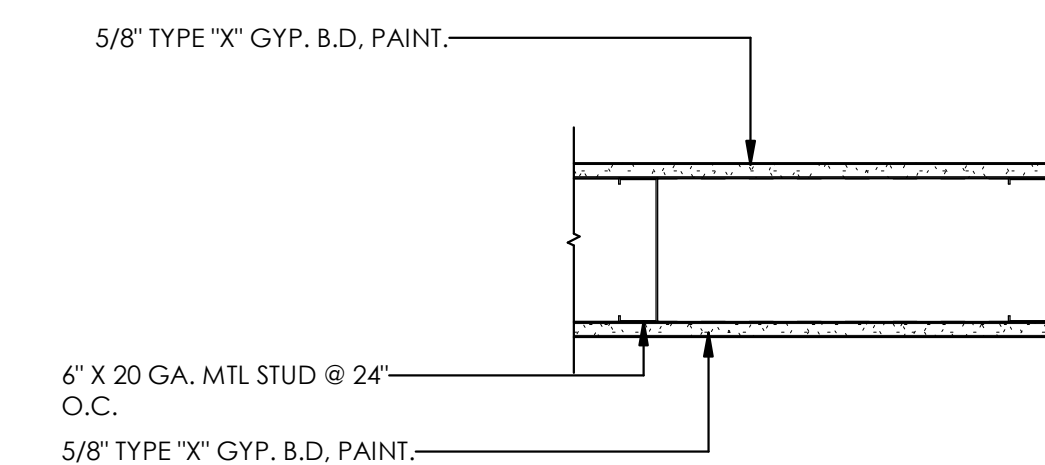
### INT - MTL STUD 3 5/8" - GYP BD FURRING 9B

ATTACH STUDS TO STRUCT ABOVE. EXTEND WALLBOARD 6" MIN ABOVE ADJACENT CEILING HEIGHT. ALL EXPOSED STUDS TO RECIEVE WALLBOARD & FINISH.

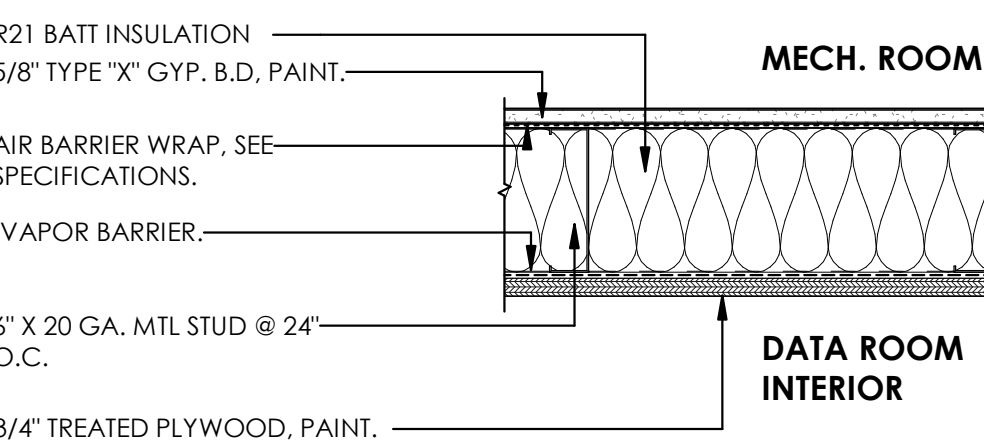


### INT - MTL STUD 3 5/8" FURRING - TILE 9C

ATTACH STUDS TO STRUCT ABOVE. EXTEND WALLBOARD 6" MIN ABOVE ADJACENT CEILING HEIGHT. ALL EXPOSED STUDS TO RECIEVE WALLBOARD & FINISH.



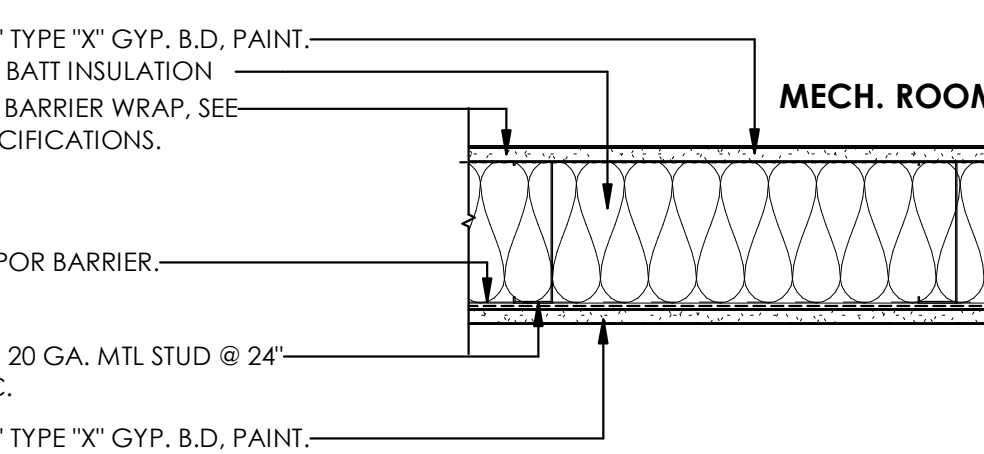
## EXTERIOR WALL TYPES



**ACOUSTIC REQUIREMNTS:** STC: 49  
 APPROVED CONT. ACOUSTIC SEALANT AT ALL EDGES, PENN. & OPENINGS.

### EXT - MTL STUD 6" - GYP. BD. & PLYWOOD 9I

ATTACH STUDS & WALLBOARD TO STRUCUTRE ABOVE. ALL EXPOSED STUDS TO RECIEVE WALLBOARD & FINISH.



**ACOUSTIC REQUIREMNTS:** STC: 49  
 APPROVED CONT. ACOUSTIC SEALANT AT ALL EDGES, PENN. & OPENINGS.

### EXT - MTL STUD 6" 9J

ATTACH STUDS & WALLBOARD TO STRUCUTRE ABOVE. ALL EXPOSED STUDS TO RECIEVE WALLBOARD & FINISH.

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ARCHITECT / CONSULTANT

AUTHORITY HAVING JURISDICTION

PROJECT DESCRIPTION

INTERMOUNTAIN  
 HEALTHCARE LEVEL 09 TI

KEY PRIVATE BANK  
 CITY CREEK CENTER  
 36 SOUTH STATE STREET  
 SALT LAKE CITY, UT 84111

SHEET NAME:

WALL ASSEMBLY TYPES

REVISIONS

MARK	DATE	DESCRIPTION
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ISSUE DATE: 03/26/2020  
 ISSUE TYPE: CD PERMIT SET

DRAWN BY: KL & SR  
 CHECKED BY: K. RIGBY  
 PROJECT#: 1953

SHEET NUMBER:

**AE010**

**KEYED NOTES:**

- 1 PATCH & REPAIR WALLBOARD FOR SMOOTH FINISH AT ALL DEMO WALL LOCATIONS. ADO01
- 2 COLUMN, STUDS, AND WALL BOARD TO REMAIN.
- 3 FINISH NEW GYP. BD. WALL SURFACE FLUSH WITH ADJACENT EXISTING WALL TO REMAIN.
- 4 COORDINATE WITH ELECTRICAL PLAN FOR LOCATION TO PRESERVE AND PROTECT CONDUIT AND JUNCTION BOX.
- 5 BUILDING RISER WITH COPPER AND FIBER. COORDINATE WITH ELECTRICAL PLANS FOR LOCATION. PRESERVE AND PROTECT DURING DEMO AND CONSTRUCTION.
- 6 2" COND WITH FIBER TO DEMARC IN BASEMENT. COORDINATE WITH ELECTRICAL PLANS. PRESERVE AND PROTECT DURING DEMOLITION AND CONSTRUCTION.
- 7 BUILDING CORE WITH COPPER AND FIBER. COORDINATE WITH ELECTRICAL PLANS FOR LOCATION. PRESERVE AND PROTECT DURING DEMO AND CONSTRUCTION.
- 8 PRESERVE AND PROTECT DURING DEMO AND CONSTRUCTION.
- 9 PATCH AND REPAIR AREAS WHERE ITEMS HAVE BEEN DEMOLISHED.
- 10 PATCH & REPAIR CONCRETE FLOORING AT ALL DEMO WALL LOCATIONS. MAINTAIN FIRE RATING. AE006 ADO01
- 11 PATCH & REPAIR WALLBOARD FOR SMOOTH FINISH AT ALL DEMO CASEWORK LOCATIONS. MAINTAIN FIRE RATING. ADO01 AE010
- 12 GENERAL PATCH & REPAIR CONCRETE FLOOR AS REQUIRED FOR SMOOTH FINISH. REFER TO SPECIFICATION FOR ALLOWANCE.
- 13 ADD, PATCH & REPAIR WALLBOARD AS REQUIRED FOR FLUSH & SMOOTH FINISH AT COLUMN WRAP LOCATIONS ADO01
- 14 REMOVE ALL MILLWORK AND FURNISHINGS.
- 15 PATCH & REPAIR TILE WALL AS REQUIRED FOR ALL NEW COUNTERTOPS, PARTITIONS, ACCESSORIES, & SUPPORTS.
- 16 PATCH & REPAIR TILE FLOORING AS REQUIRED FOR ALL NEW PARTITIONS, SUPPORTS, PLUMBING FIXTURES & CONNECTIONS.
- 17 DATA ROOM REQUIRED TO HAVE PHASED CONSTRUCTION. REVIEW PHASING PLAN PRIOR TO BEING CONSTRUCTION. AE400
- 18 PATCH & REPAIR CONCRETE FLOORING AT DEMO'D PLUMBING CONNECTION. MAINTAIN FIRE RATING. AE006 ADO01
- 19 GENERAL PATCH & REPAIR WALLBOARD FOR SMOOTH FINISH AT ALL EXIST. WALL LOCATIONS. MAINTAIN FIRE RATED CONSTRUCTION. REFER TO SPECIFICATION FOR ALLOWANCE. ADO01 AE003-AE006 AE010 AE500
- 20 SKIM COAT AND PREPARE ALL EXISTING GYP. BD. WALL SURFACES ON EXISTING BUILDING CORE WALLS TO REMAIN TO ACHIEVE A LEVEL 5 FINISH. PAINT. SEE FINISH PLAN AND FINISH LEGEND.

**GENERAL NOTES:**

- GENERAL SHEET REFERENCE**  
**G1001** DRAWING INDEX  
**G1002** GENERAL NOTES  
**AE001** CODE PLAN  
**AE003-5** UL WALL ASSEMBLIES  
**AE006** UL RATED PENETRATIONS
- RELATED SHEET REFERENCE:**  
**AE400** - ENLARGED PHASING PLAN - DATA CENTER  
**AE500** - WALL FRAMING & FIRE RATED CONST.  
**AE600** - DOOR & WINDOW LEGEND  
**AE610** - INTERIOR FINISH LEGEND
- DO NOT SCALE DRAWINGS.**
- CONTRACTOR / SUBCONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS BEFORE BEGINNING WORK, AND SHALL REPORT TO THE ARCHITECT OF ANY ERRORS, INCONSISTENCIES OR OMISSIONS BEFORE BEGINNING WORK. SEE GENERAL NOTES AND SPECIFICATIONS.
  - ALL EXISTING GYP. BD. WALL SURFACES TO BE PATCHED AND REPAIRED TO ATTAIN A LEVEL 5 FINISH. ALL NEW GYP. BD. WALL SURFACES TO BE FINISHED TO A LEVEL 5 FINISH.
  - ALL EXPOSED SURFACES TO RECEIVE FINISH. ANY SURFACE WITHOUT A FINISH DESIGNATION TO RECEIVE GENERAL FINISH FROM FINISH LEGEND.
  - CONTRACTOR IS REQUIRED TO MAINTAIN ALL EXISTING FIRE RATED CONSTRUCTION AND IS RESPONSIBLE TO PATCH & REPAIR OR REPLACE EXISTING FIRE RATED ASSEMBLIES AS REQUIRED.
  - PROVIDE BLOCKING FOR ALL CASEWORK, COUNTERTOPS, SHELVING & WALL HUNG ACCESSORIES AS REQUIRED. RE: **AE530** - DETAILS
  - CENTER FLOOR BOXES IN ROOMS U.N.O
  - REFER TO ENLARGED PLANS FOR MORE DETAIL.
  - REFER TO LOCATIONS OF HORIZONTAL LOUVERS AND ROLLER SHADES ARE SHOWN ON THE RCP.

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ARCHITECT / CONSULTANT

AUTHORITY HAVING JURISDICTION

PROJECT DESCRIPTION  
 INTERMOUNTAIN  
 HEALTHCARE LEVEL 09 TI

KEY PRIVATE BANK  
 CITY CREEK CENTER  
 36 SOUTH STATE STREET  
 SALT LAKE CITY, UT 84111

**HATCH & LINETYPE:**

- [Hatched Box] AREA NOT IN CONTRACT
- [Solid Line] EXISTING
- [Dashed Line] NEW CONSTRUCTION
- [Dotted Line] RATED CONSTRUCTION - AE001

**SYMBOLS:**

DESCRIPTION / REFERENCE	SYMBOL
ADA OPERATOR	ADA
CARD READER	CR
ELECTRICAL	CB
COFFEE BREWER	CB
PLUMBING	CB
DRINKING FOUNTAIN W/ BOTTLE FILLER (SINGLE FIXTURE ELEC. COOLED) MEP	[Symbol]
FLOOR BOX DUPLEX ELECTRICAL	[Symbol]
FLOOR BOX DUPLEX ELECTRICAL	[Symbol]
FLOOR COPIER	[Symbol]
FLOOR DRAIN PLUMBING	[Symbol]
ICEMAKER PLUMBING	[Symbol]
MICROWAVE	[Symbol]
REFRIGERATOR PLUMBING	[Symbol]
SECURITY CAMERA ELECTRICAL	[Symbol]
SINK PLUMBING	[Symbol]
TELEVISION ELECTRICAL	[Symbol]

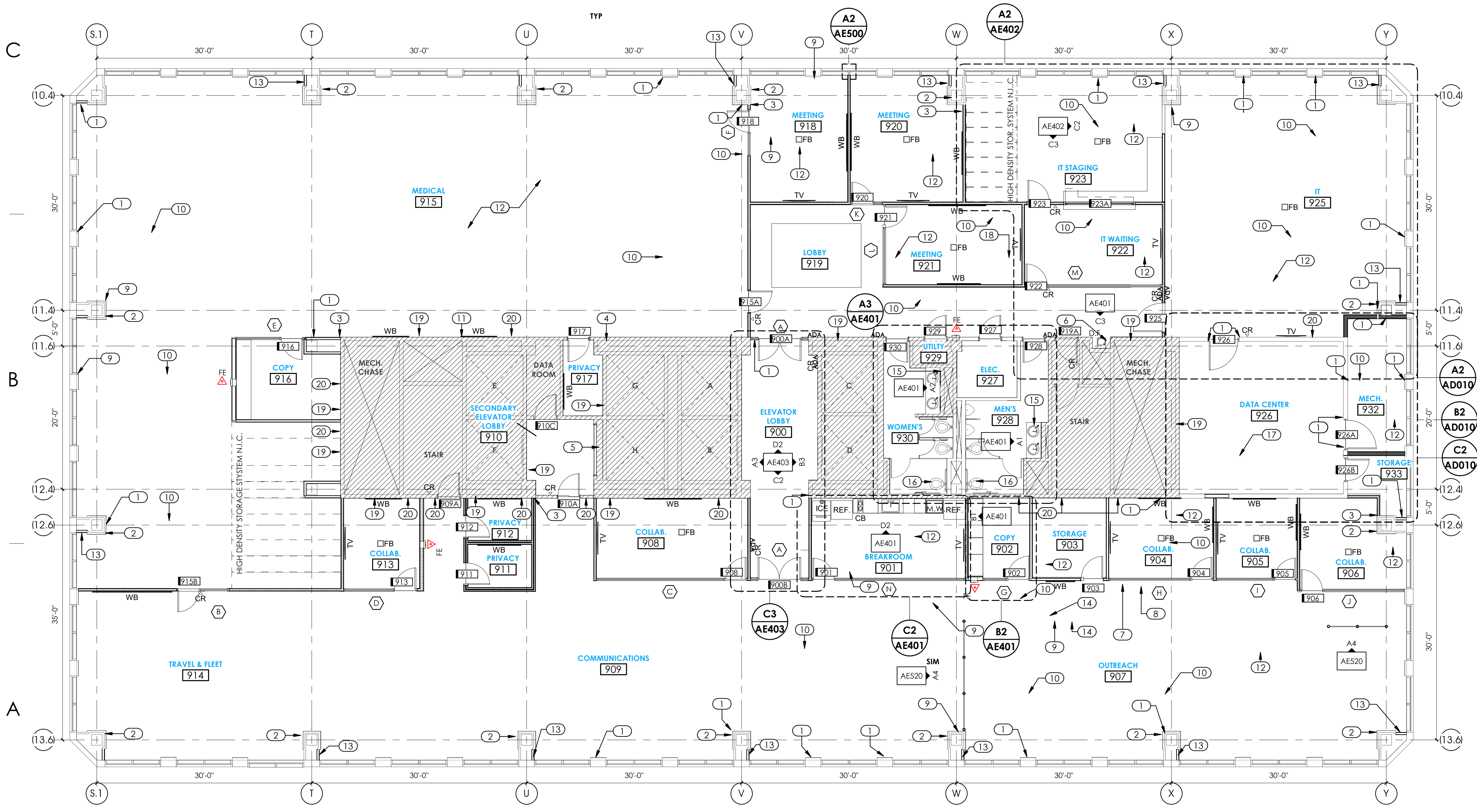
SHEET NAME:  
 ANNOTATED FLOOR PLAN

REVISIONS  
 MARK DATE DESCRIPTION

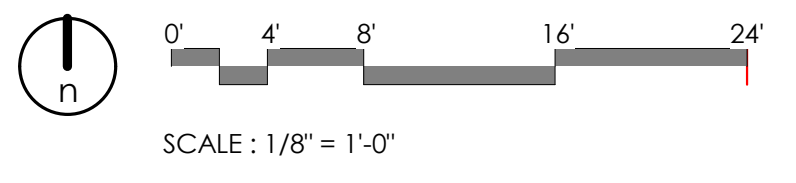
ISSUE DATE: 03/26/2020  
 ISSUE TYPE: CD PERMIT SET  
 DRAWN BY: KL & SR  
 CHECKED BY: K. RIGBY  
 PROJECT#: 1953

SHEET NUMBER:

**AE100**

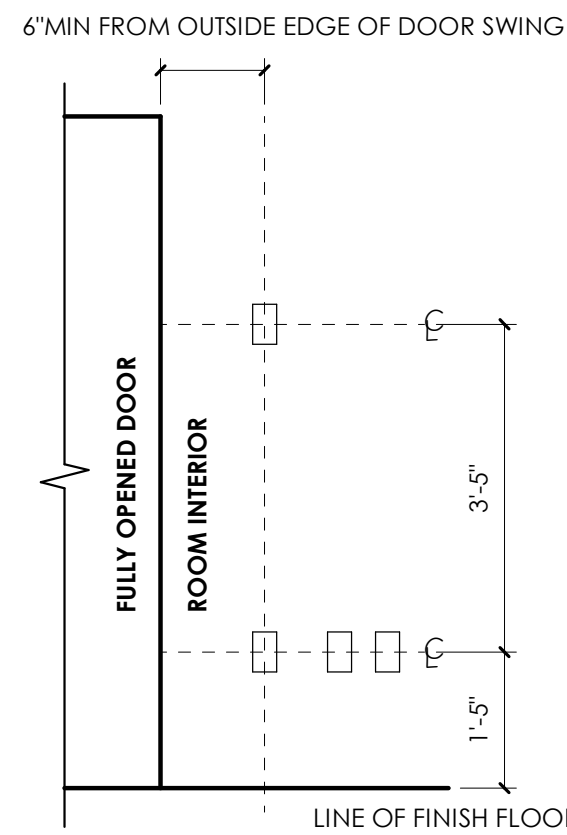


**A1 FLOOR PLAN - ANNOTATED**  
 1/8" = 1'-0"



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### MOUNTING ELEVATION:



**NOTE:** ALL OUTLETS, SWITCHES, STROBES, & OTHER WALL-MOUNTED ELECT/FIRE PROTECTION DEVICES TO BE ALIGNED ON THE FACE OF THE WALL & WITHIN CODE REQUIRED CLEARANCES OF DOORS/OPENINGS/EDGE OF WALL. COORDINATE W/ WHITE BOARDS & TV LOCATIONS PRIOR TO INSTALL. NOTIFY ARCHITECT OF ANY CONFLICTS PRIOR TO INSTALL.

### GENERAL DIMENSION NOTES:

- ALL DIMENSIONS TO EXISTING ARE APPROXIMATE ONLY AND ARE TO BE VERIFIED IN FIELD (V.I.F.) BY THE CONTRACTOR.
- EXISTING WALLS ARE DIMENSIONED FROM APPROXIMATE FACE OF FINISHED SURFACE.
- NEW WALLS ARE DIMENSIONED FROM FACE OF STUD.
- DOORS ARE DIMENSIONED FROM CENTER OF OPENING.
- WINDOWS / STOREFRONT ARE DIMENSIONED TO NOMINAL FRAME SIZE.
- REFER TO DOOR AND WINDOW LEGEND FOR ADDITIONAL DIMENSIONS.
- WALLS THAT BUTT UP TO AN EXTERIOR WINDOW ARE REQUIRED TO BE CENTERED ON THE MULLION.
- COORDINATE ALL LIGHTING & TEMPERATURE CONTROLS WITH WHITEBOARD & DOOR SWING PER MOUNTING ELEVATION. CONTROLS ARE NOT PERMITTED BEHIND ANY PORTION OF A FULLY OPENED DOOR.

### GENERAL NOTES:

- GENERAL SHEET REFERENCE:**  
**G1001** DRAWING INDEX  
**G1002** GENERAL NOTES  
**A001** CODE PLAN  
**AE003-5** UL WALL ASSEMBLIES  
**AE006** UL RATED PENETRATIONS
- RELATED SHEET REFERENCE:**  
**AE001** - CODE FLOOR PLAN & SUMMARY  
**AE003-5** - UL WALL ASSEMBLIES  
**AE006** - UL RATED PENETRATIONS ASSEMBLIES  
**AE500** - DETAILS - FRAMING & FIRE RATED CONSTRUCTION  
**AE600** - DOOR & WINDOW LEGEND
- DO NOT SCALE DRAWINGS.**
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  - ALL EXPOSED SURFACES TO RECEIVE FINISH, ANY SURFACE WITHOUT A FINISH DESIGNATION TO RECEIVE GENERAL FINISH FROM FINISH LEGEND.
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  - PROVIDE BLOCKING FOR ALL CASEWORK, COUNTERTOPS, SHELVING & WALL HUNG ACCESSORIES AS REQUIRED. RE: **AE330** - DETAILS
  - CENTER FLOOR BOXES IN ROOMS U.N.O
  - REFER TO ENLARGED PLANS FOR MORE DETAIL.
  - REFER TO LOCATIONS OF HORIZONTAL LOUVERS AND ROLLER SHADES ARE SHOWN ON THE RCP.

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ARCHITECT / CONSULTANT

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**INTERMOUNTAIN  
 HEALTHCARE LEVEL 09 TI**

**KEY PRIVATE BANK  
 CITY CREEK CENTER  
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 SALT LAKE CITY, UT 84111**

### HATCH & LINETYPE:

- AREA NOT IN CONTRACT
- EXISTING
- NEW CONSTRUCTION
- RATED CONSTRUCTION - AE001

### SYMBOLS:

DESCRIPTION / REFERENCE	SYMBOL
ADA OPERATOR	ADA
CARD READER ELECTRICAL	CR
COFFEE BREWER PLUMBING	CB
DRINKING FOUNTAIN W/ BOTTLE FILLER (SINGLE FIXTURE ELEC. COOLED) MEP	DFB
FLOOR BOX DUPLEX ELECTRICAL	FE
FLOOR BOX DUPLEX ELECTRICAL	FB
FLOOR COPIER	CF
FLOOR DRAIN PLUMBING	FD
ICEMAKER PLUMBING	ICE
MICROWAVE	MW
REFRIGERATOR PLUMBING	REF.
SECURITY CAMERA ELECTRICAL	SC
SINK PLUMBING	SP
TELEVISION ELECTRICAL	TV

SHEET NAME:

**DIMENSION FLOOR  
 PLAN & WALL TYPES**

REVISIONS

MARK DATE DESCRIPTION

ISSUE DATE: **03/26/2020**  
 ISSUE TYPE: **CD PERMIT SET**

DRAWN BY: **KL & SR**  
 CHECKED BY: **K. RIGBY**  
 PROJECT#: **1953**

SHEET NUMBER:

**AE110**

3/29/2020 8:10:12 PM \\ajccopy04c1\users\jheppler\Documents\1953 IHC KBT Level 09 CENTRAL\19\_jheppler.rvt  
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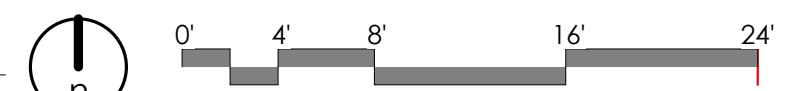
D

C

B

A

**A1 FLOOR PLAN - DIMENSION**  
 1/8" = 1'-0"



SCALE: 1/8" = 1'-0"

### KEYED NOTES:

- CONTROL JOINT
- STAINLESS STEEL CORNER GUARD, FLUSH 5" AFF. SEE SPECIFICATIONS AND FINISH PLANS FOR LOCATIONS.
- FINISH TO CONTINUE WALL TO WALL AND UNDERNEATH STANDING FURNISHINGS.
- CARPET TO BE LAYED OUT WALL TO WALL INCLUDING UNDER THE HIGH DENSITY STORAGE(HDS) SYSTEMS. CONTRACTOR TO COORDINATE WITH HDS VENDOR.

### FINISH NOTES:

- WALL, FLOOR, BASE AND CEILING KEYNOTE: THIS SYMBOL, WHEN ATTACHED TO A WALL, SHALL INDICATE THIS FINISH FOR THE ENTIRE LENGTH OF WALL FROM ONE INTERSECTION TO THE NEXT AND NOT BE TERMINATED BY WINDOWS OR DOORS, U.N.O.
- SEE SHEET AE620 FOR FINISH LEGEND
- 'BY' ON FINISH PLAN DENOTES FINISH BY ARCHITECT SELECTION.
- NORTH WALL
- WEST WALL
- FLOOR
- EAST WALL
- SOUTH WALL
- RUBBER TRANSITION STRIP → ● SEE B5/ AE530
- METAL TRANSITION STRIP → ◆ SEE D5/ AE530
- FOR ALL WALL TILE GREATER THAN 12' IN LENGTH IN ANY DIRECTION, TILE SHALL BE INSTALLED RUNNING BOND WITH OFFSET NO GREATER THAN 1/3 THE LENGTH OF THE TILE.
- PROVIDE EPOXY PAINT AT ALL TOILET ROOMS AND JANITOR ROOMS.
- ALL TILE GROUT JOINTS TO BE NO LARGER THAN 1/8", U.N.O.
- FIELD VERIFY ALL DIMENSIONS BEFORE FABRICATION OF MILLWORK.
- COORDINATE ALL MILLWORK WITH APPLIANCES BEFORE FABRICATION.
- SEE INTERIOR ELEVATION SHEETS FOR ALL WALL TILE PATTERNS - COORDINATE PATTERN LAYOUTS WITH ARCHITECT PRIOR TO CUTTING AND PLACEMENT OF ANY & ALL TILE.
- PROVIDE A SMOOTH TRANSITION AT ALL CHANGES IN FLOOR MATERIAL - CONTRACTOR TO INSTALL ALL FLOOR FINISHES AT SAME LEVEL, DESPITE DIFFERENCES IN THICKNESS.
- ALL GYP. BD. CEILINGS SHALL BE PAINTED AS INDICATED IN FINISH LEGEND.
- EXPOSED GYP. BD. CEILINGS SHALL BE PAINTED - REFER TO FINISH PLANS, REFLECTED CEILING PLANS, & FINISH SCHEDULE FOR PAINT COLOR.
- RATED WALL CONDITIONS SHALL REMAIN 5/8" TYPE-X GYP. BOARD. GYP. BOARD, BOTH RATED AND NON-RATED, SHALL BE PAINTED WHERE EXPOSED - REFER TO FINISH LEGEND.
- PROVIDE SOLID BLOCKING/BACKING FOR ALL WALL MOUNTED ACCESSORIES.
- FOR ALL FINISH MATERIALS SEE FINISH LEGEND ON SHEET SHEET AE620
- COORDINATE ALL FIXTURES AND EQUIPMENT WITH MECHANICAL, PLUMBING, AND ELECTRICAL AS REQUIRED.
- ALL EXPOSED PIPES IN ADA UNITS SHOULD BE WRAPPED IN A PVC INSULATION.
- ALL WALLS PAINTED PT2 OR PT3, TO BE LEVEL 5 FINISH- EXISTING WALLS TO BE SKIM COATED FOR LEVEL 5 FINISH. **FIELD PAINT TO BE PT 1 UNO.**

### GENERAL NOTES:

- GENERAL SHEET REFERENCE  
**G1001** DRAWING INDEX  
**G1002** GENERAL NOTES  
**AE001** CODE PLAN  
**AE003-5** UL WALL ASSEMBLIES  
**AE006** UL RATED PENETRATIONS
- DO NOT SCALE DRAWINGS.
- CONTRACTOR / SUBCONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS BEFORE BEGINNING WORK, AND SHALL REPORT TO THE ARCHITECT OF ANY ERRORS, INCONSISTENCIES OR OMISSIONS BEFORE BEGINNING WORK. SEE GENERAL NOTES AND SPECIFICATIONS.
  - ALL EXISTING GYP. BD. WALL SURFACES TO BE PATCHED AND REPAIRED TO ATTAIN A LEVEL 5 FINISH. ALL NEW GYP. BD. WALL SURFACES TO BE FINISHED TO A LEVEL 5 FINISH.
  - ALL EXPOSED SURFACES TO RECEIVE FINISH. ANY SURFACE WITHOUT A FINISH DESIGNATION TO RECEIVE GENERAL FINISH FROM FINISH LEGEND.
  - CONTRACTOR IS REQUIRED TO MAINTAIN ALL EXISTING FIRE RATED CONSTRUCTION AND IS RESPONSIBLE TO PATCH & REPAIR OR REPLACE EXISTING FIRE RATED ASSEMBLIES AS REQUIRED.
  - PROVIDE BLOCKING FOR ALL CASEWORK, COUNTERTOPS, SHELVING & WALL HUNG ACCESSORIES AS REQUIRED. **AE530** - DETAILS
  - CENTER FLOOR BOXES IN ROOMS U.N.O.
  - REFER TO ENLARGED PLANS FOR MORE DETAIL.
  - REFER TO LOCATIONS OF HORIZONTAL LOUVERS AND ROLLER SHADES ARE SHOWN ON THE RCP.

### FINISH HATCH:

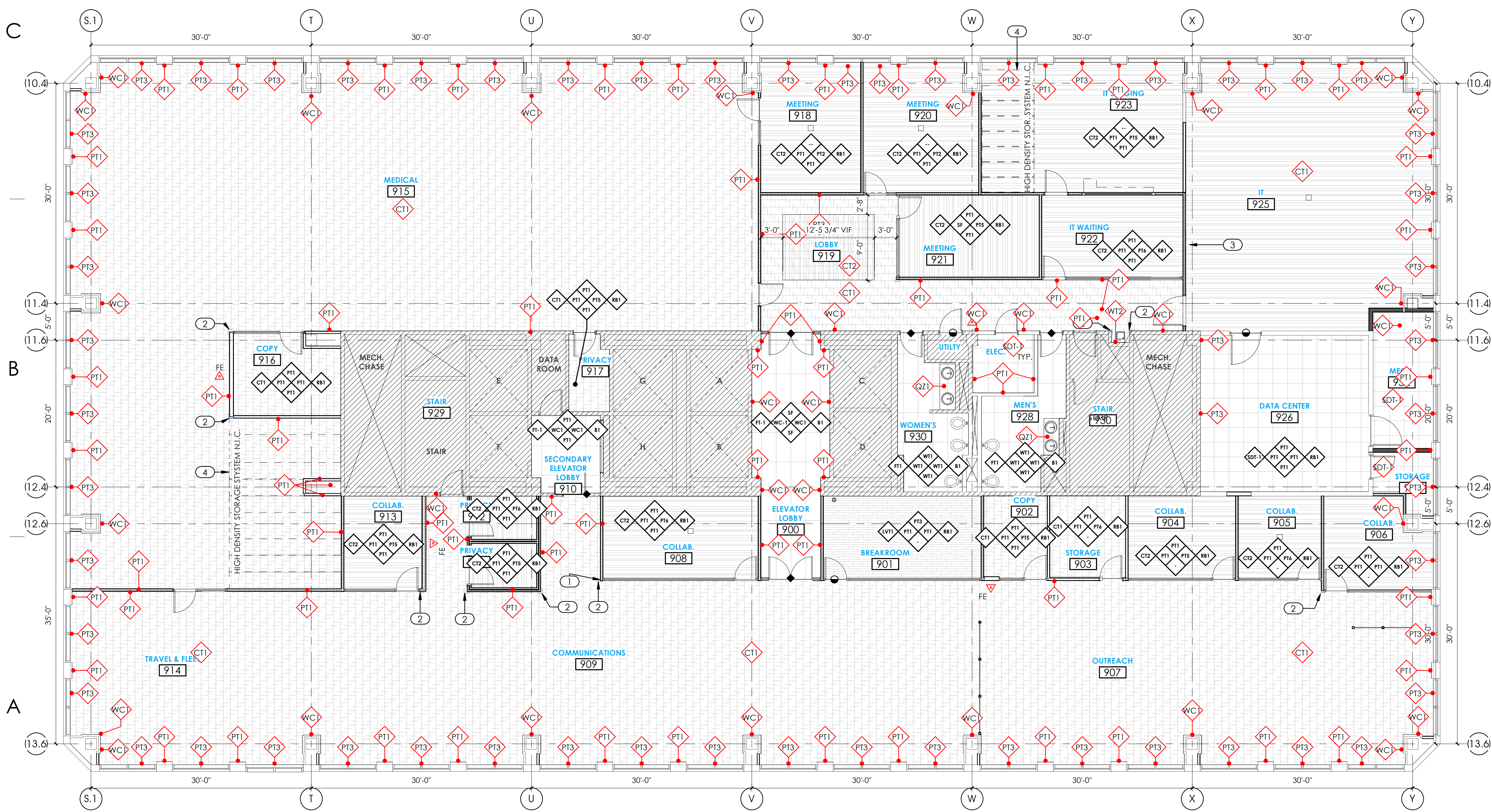
- PRIMARY CARPET FLOOR TILE 1
- ACCENT CARPET FLOOR TILE 2
- LUXURY VINYL FLOOR TILE 1
- STATIC DISSIPATIVE TILE 1
- PORCELAIN FLOOR TILE 1
- RUBBER FLOOR TILE 1

### HATCH & LINETYPE:

- AREA NOT IN CONTRACT
- EXISTING
- NEW CONSTRUCTION
- RATED CONSTRUCTION - AE001

### SYMBOLS:

DESCRIPTION / REFERENCE	SYMBOL
ADA OPERATOR	ADA
CARD READER ELECTRICAL	CR
COFFEE BREWER PLUMBING	CB
DRINKING FOUNTAIN W/ BOTTLE FILLER (SINGLE FIXTURE ELEC. COOLED) MEP	DF
FLOOR BOX DUPLEX ELECTRICAL	FE
FLOOR BOX DUPLEX ELECTRICAL	FD
FLOOR COPIER	FC
FLOOR DRAIN PLUMBING	FD
ICEMAKER PLUMBING	ICE
MICROWAVE	MW
REFRIGERATOR PLUMBING	REF.
SECURITY CAMERA ELECTRICAL	SC
SINK PLUMBING	SI
TELEVISION ELECTRICAL	TV



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ARCHITECT / CONSULTANT

AUTHORITY HAVING JURISDICTION

PROJECT DESCRIPTION  
**INTERMOUNTAIN  
 HEALTHCARE LEVEL 09 TI**

KEY PRIVATE BANK  
 CITY CREEK CENTER  
 36 SOUTH STATE STREET  
 SALT LAKE CITY, UT 84111

SHEET NAME:  
**FINISH FLOOR PLAN**

REVISIONS

MARK	DATE	DESCRIPTION

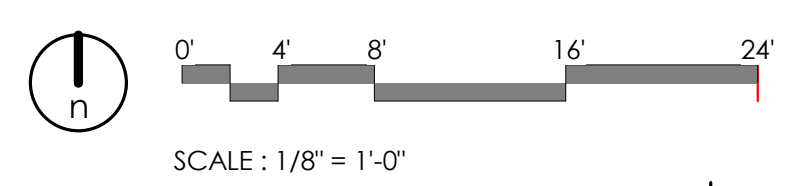
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 CHECKED BY: **K. RIGBY**  
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SHEET NUMBER:

**AE120**

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**A1 FLOOR PLAN - FINISH**  
 1/8" = 1'-0"



**CEILING NOTES:**

- SEE AE510 FOR TYPICAL CEILING DETAILS

**KEYED NOTES:**

- CONTROL JOINT.
- AUTOMATED DUAL FIXTURE W/ BLACKOUT ROLLER SHADES, V.I.F. DIMENSIONS PRIOR TO INSTALL. RE: SPECIFICATION 122413
- ALL EXTERIOR WINDOWS TO RECEIVE HORIZONTAL LOUVER BLINDS U.N.O. V.I.F. DIMENSIONS PRIOR TO INSTALL. RE: SPECIFICATION 122113

**CEILING SYMBOLS LEGEND:**

SURFACE MOUNTED OR LAY-IN CEILING FLUORESCENT FIXTURE. SEE ELECTRICAL PLAN FOR SIZE AND TYPE.	
SURFACE MOUNTED LIGHTING FIXTURE. SEE ELECTRICAL PLAN FOR SIZE AND TYPE.	
DOWN LIGHT FIXTURES. SEE ELECTRICAL PLAN FOR SIZE AND TYPE.	
LIGHTING SYSTEM SENSORS. SEE ELECTRICAL PLAN.	
LIFE SAFETY DEVICES. SEE ELECTRICAL PLAN.	
SUPPLY, RETURN & EXHAUST DIFFUSERS/GRILLES. SEE MECHANICAL.	
AUDIO/VISUAL EQUIPMENT. COORDINATE LOCATION W/ ELECTRICAL & OWNER.	

**CEILING HATCH LEGEND:**

C1 2' X 4' SUSPENDED ACOUSTICAL PANEL CEILING, BLACK TILES, BLACK TRACK (EQ. ROCKFON COLOR-ALL BLACK 08)	
C2 GYP. CEILING, PAINT, COLOR PT1	
CE EXISTING GYP. CEILING, PAINT, COLOR PT1	
C3 2' X 4' SUSPENDED ACOUSTICAL PANEL CEILING (EQ. ROCKFON KORAL, COLOR- WHITE)	
C4 2' X 4' SUSPENDED 1" ACOUSTICAL PANEL CEILING (EQ. ROCKFON 20100)	
C5 WOOD SLAT CEILING (EQ. 9 WOOD 1100)	
ES EXPOSED TO STRUCTURE ABOVE, PAINT W/ DRYFALL	

**GENERAL NOTES:**

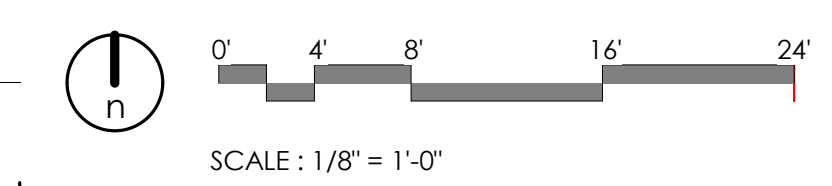
- SEE SHEET G1002 FOR GENERAL NOTES.
- SEE COVER SHEET FOR DRAWING INDEX
- DO NOT SCALE DRAWINGS.
- CONTRACTORS SHALL VERIFY ALL DIMENSIONS AND CONDITIONS BEFORE BEGINNING WORK AND SHALL REPORT TO THE ARCHITECT ANY ERRORS, INCONSISTENCIES OR OMISSIONS BEFORE BEGINNING WORK. SEE GENERAL NOTES AND SPECIFICATIONS.
- THIS IS A REFLECTED CEILING PLAN AND IS NOT INTENDED TO BE A LIGHTING PLAN. NO WALL MOUNTED LIGHTING FIXTURES OR OTHER WALL MOUNTED APPURTENANCES ARE SHOWN. SEE THE LIGHTING PLAN FOR ALL LIGHTING AND EGRESS SIGNS, SIZE AND TYPES OF ELECTRICAL FIXTURES ETC. SEE MECHANICAL PLANS FOR ALL CEILING MOUNTED DIFFUSERS /GRILLES ETC.
- WHEN THE INTERSTITIAL SPACES SUCH AS A PLenums (WHETHER SUPPLY OR RETURN) ARE USED FOR ENVIRONMENTAL AIR THEY SHALL BE NON-COMBUSTIBLE CONSTRUCTION OR HAVE A FLAME SPREAD RATING OF 0-25 AND SMOKE INDEX OF 0-50 WHEN TESTED IN ACCORDANCE TO ASTM E-84.

**HATCH & LINE TYPES:**

	AREA NOT IN CONTRACT		EXISTING BEAM ABOVE
	EXISTING		EXISTING STRUCTURE ABOVE
	NEW CONSTRUCTION		
	RATED CONSTRUCTION - AE001		



**D1 REFLECTED CEILING PLAN**  
1/8" = 1'-0"



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HEALTHCARE LEVEL 09 TI**

**KEY PRIVATE BANK  
CITY CREEK CENTER  
36 SOUTH STATE STREET  
SALT LAKE CITY, UT 84111**

SHEET NAME:  
**REFLECTED CEILING  
PLAN**

REVISIONS

MARK	DATE	DESCRIPTION

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DRAWN BY: **KL & SR**  
CHECKED BY: **K. RIGBY**  
PROJECT#: **1953**

SHEET NUMBER:

**AE130**

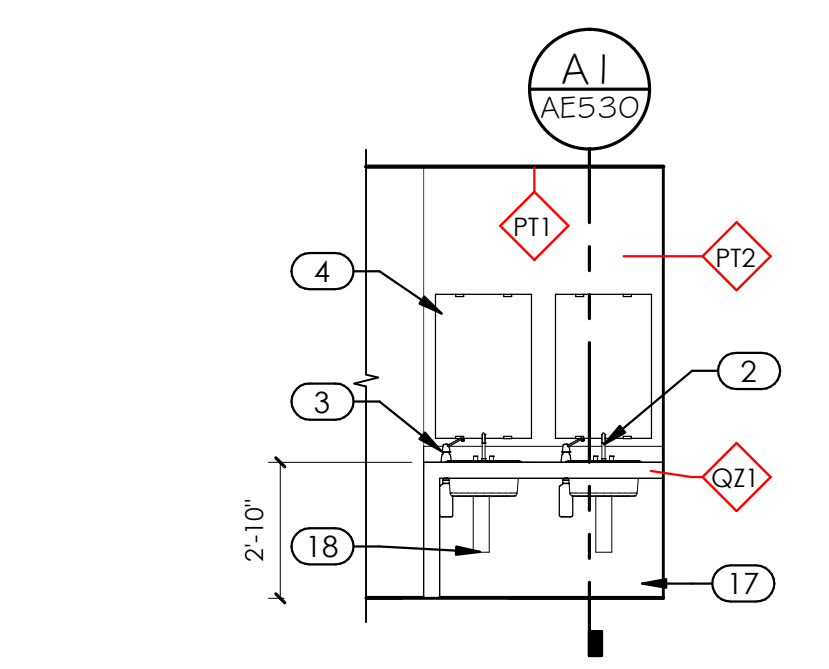
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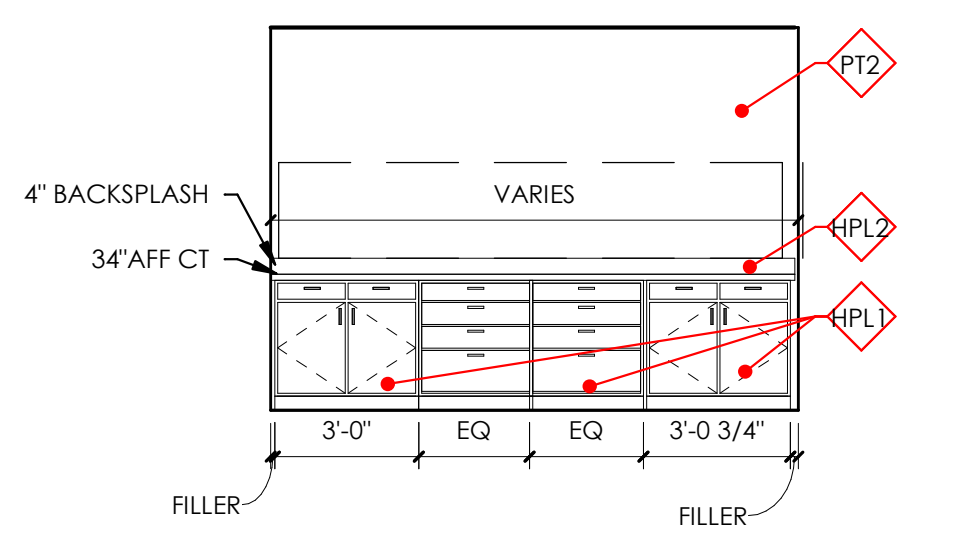
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D  
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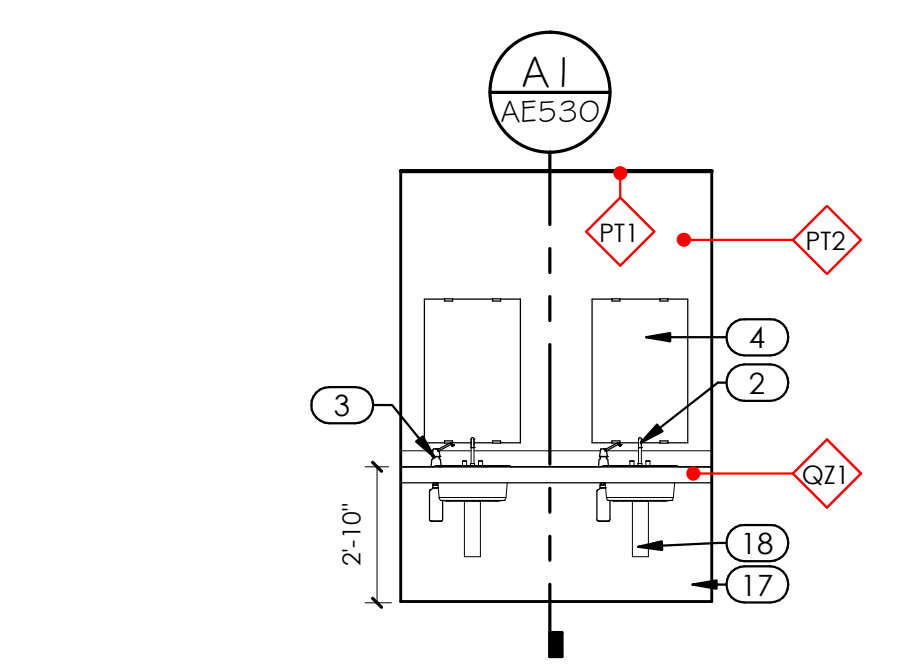
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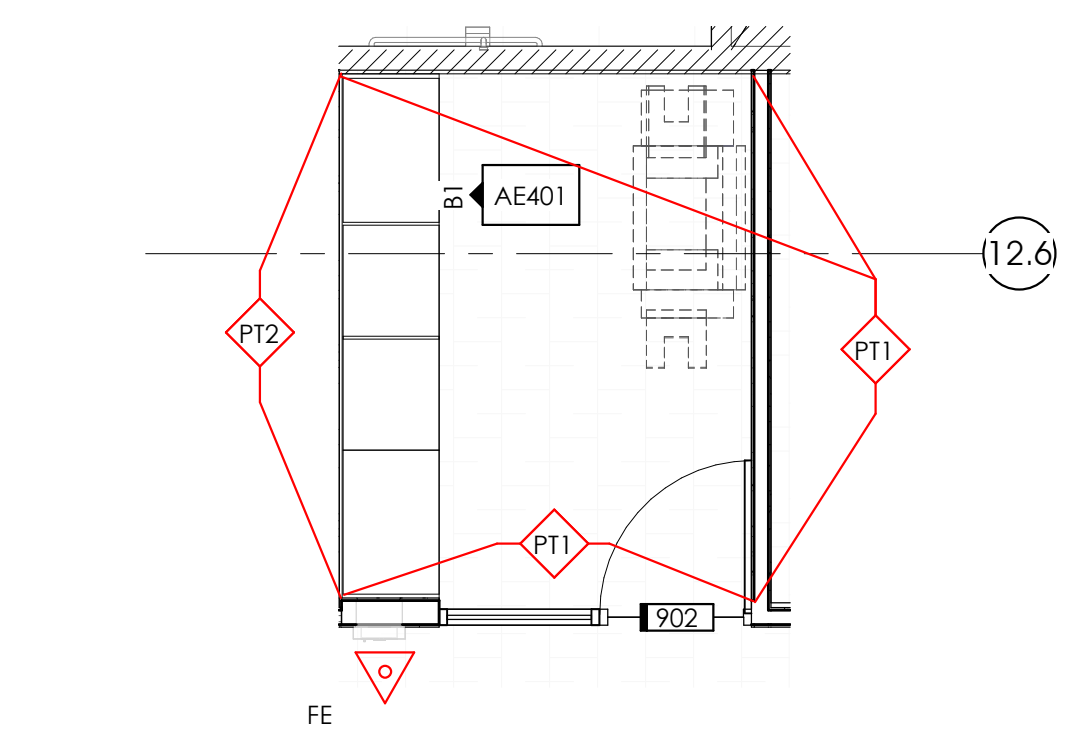
**A1** MEN'S EXIST RR, Mirror /Sink  
 1/4" = 1'-0"



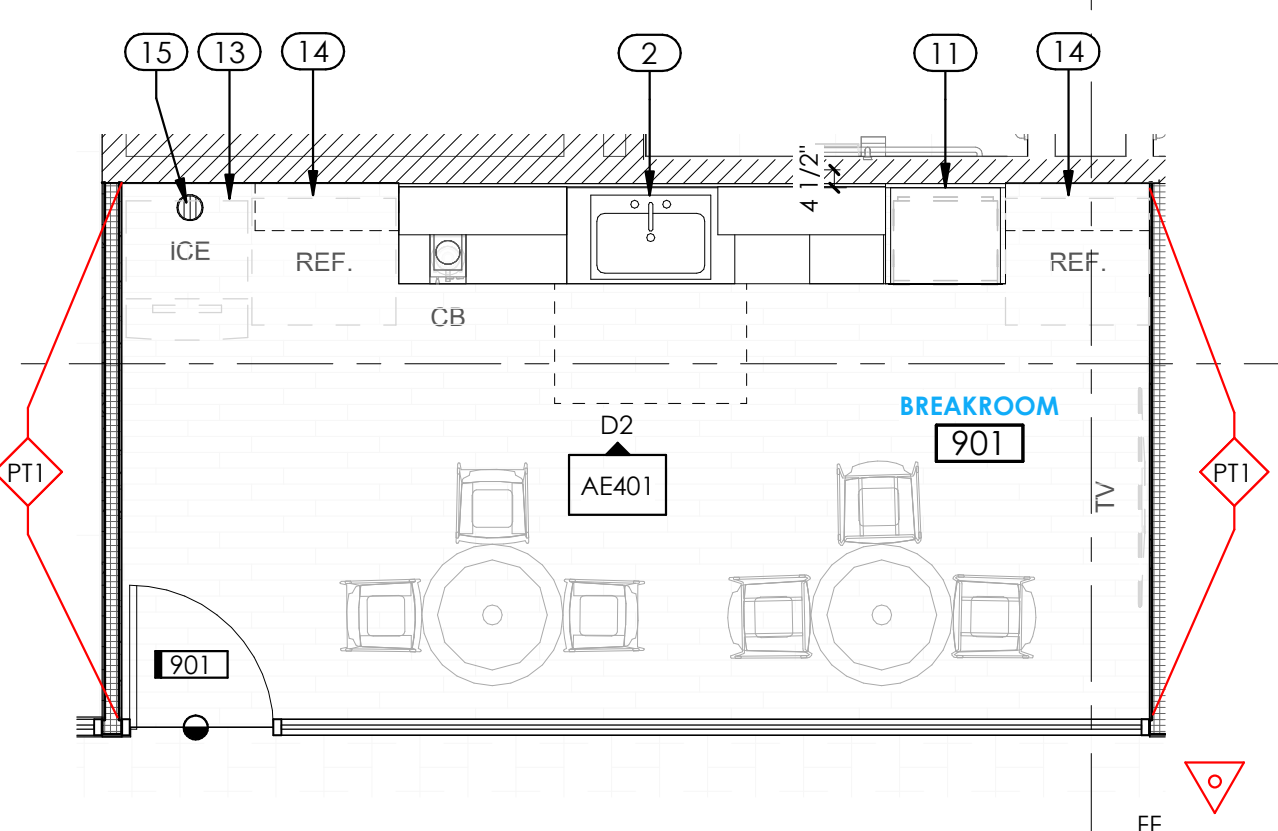
**B1** Elevation Copy Rm Millwork Typ.  
 1/4" = 1'-0"



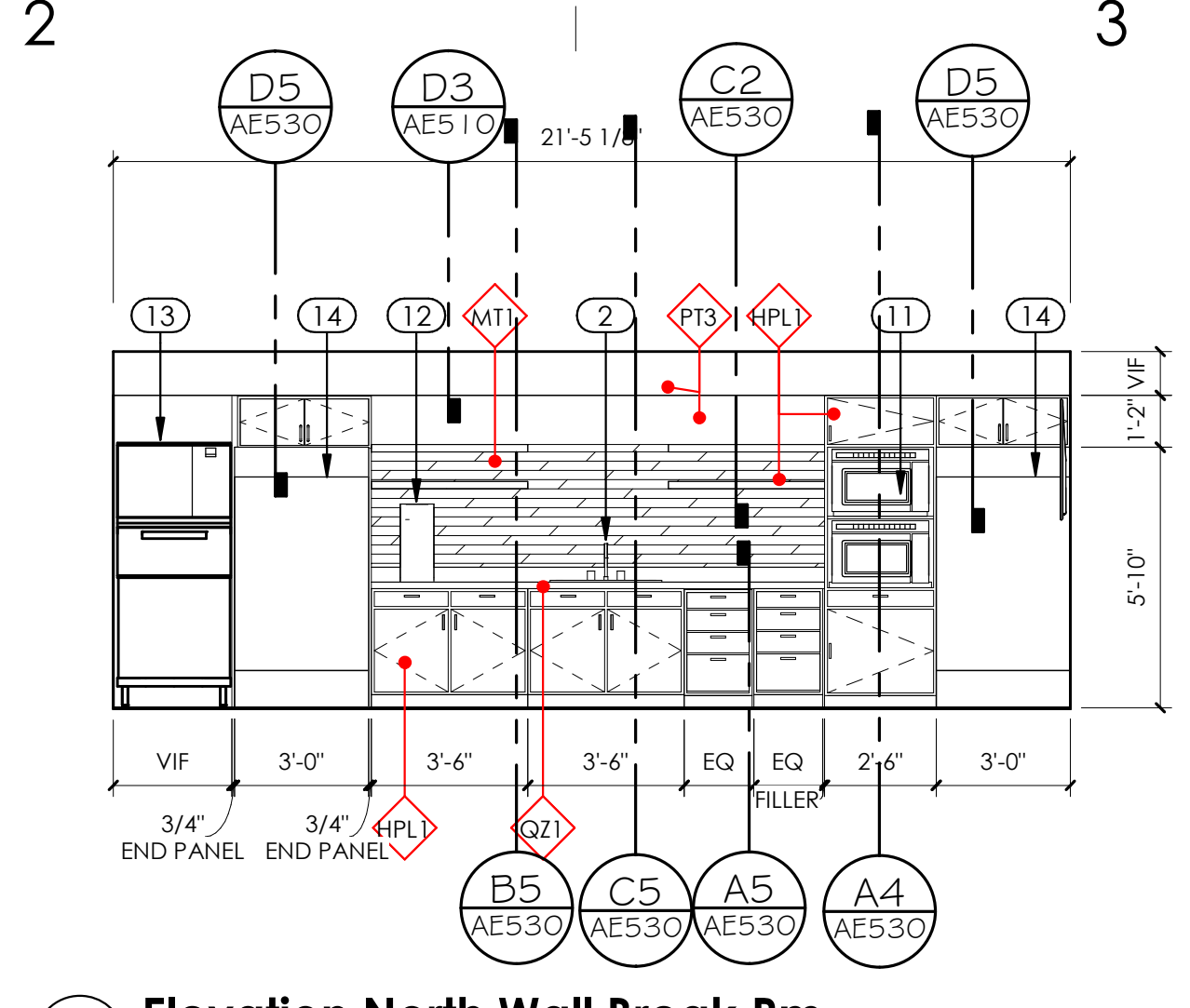
**A2** WOMEN'S EXIST RR, Mirror/Sink  
 1/4" = 1'-0"



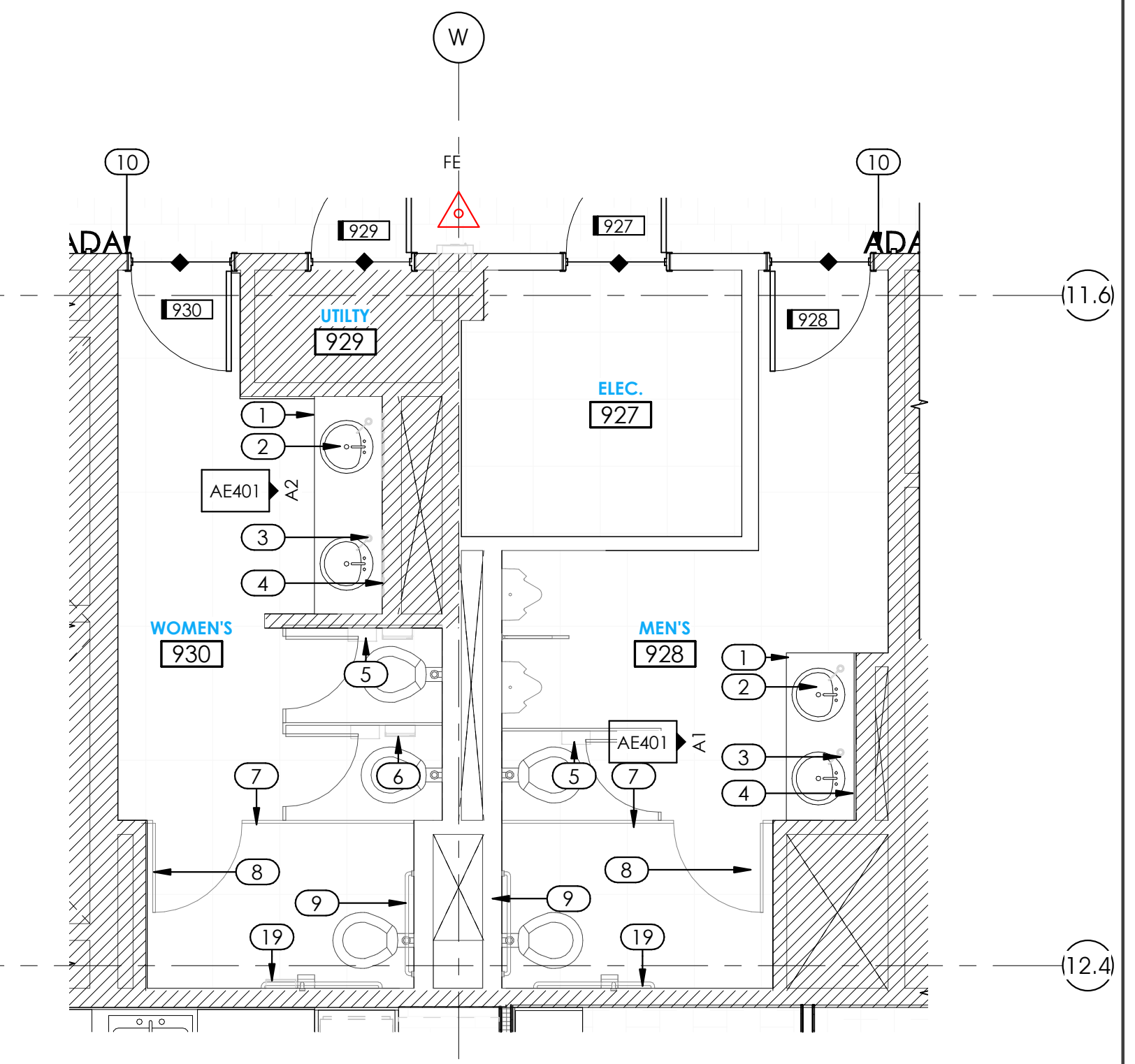
**B2** Enlarged Floor Plan - Copy Rm Typ.  
 1/4" = 1'-0"



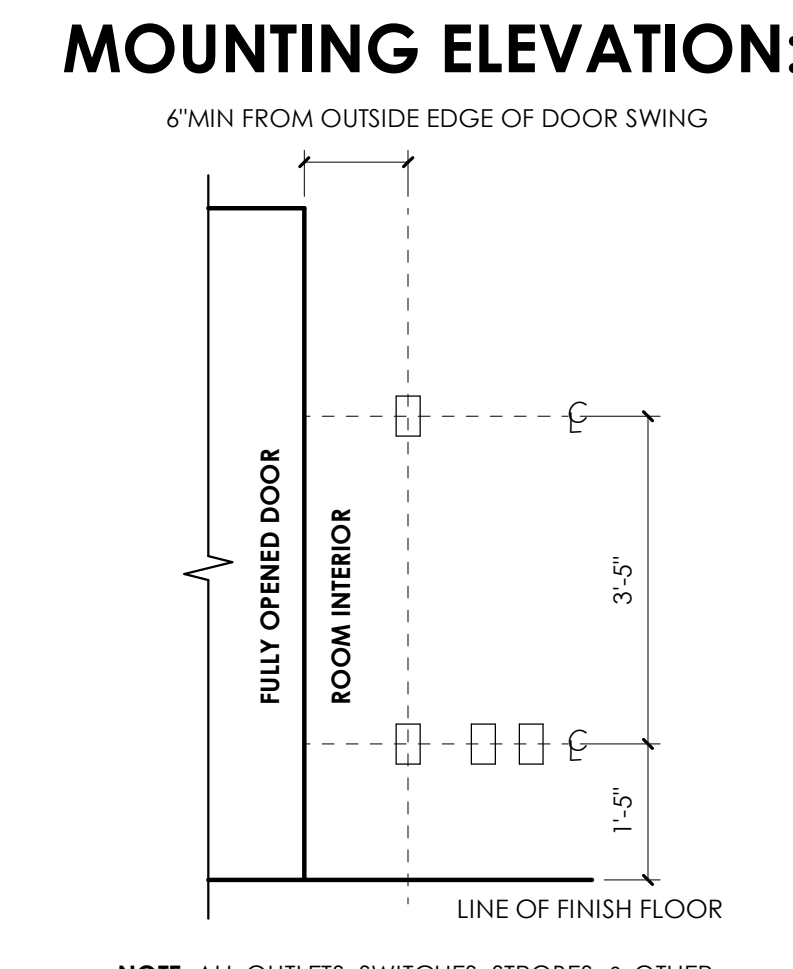
**C2** Enlarged Floor Plan - BreakRm  
 1/4" = 1'-0"



**D2** Elevation North Wall Break Rm  
 1/4" = 1'-0"



**A3** Enlarged Floor Plan - RESTROOM  
 1/4" = 1'-0"



**NOTE:** ALL OUTLETS, SWITCHES, STROBES, & OTHER WALL-MOUNTED ELECT/FIRE PROTECTION DEVICES TO BE ALIGNED ON THE FACE OF THE WALL & WITHIN CODE REQUIRED CLEARANCES OF DOORS/OPENINGS/EDGE OF WALL. COORDINATE W/ WHITE BOARDS & TV LOCATIONS PRIOR TO INSTALL. NOTIFY ARCHITECT OF ANY CONFLICTS PRIOR TO INSTALL.

**HATCH & LINETYPE:**

- AREA NOT IN CONTRACT
- EXISTING
- NEW CONSTRUCTION
- RATED CONSTRUCTION - AE001

**SYMBOLS:**

DESCRIPTION / REFERENCE	SYMBOL
ADA OPERATOR	ADA
CARD READER ELECTRICAL	CR
COFFEE BREWER PLUMBING	CB
DRINKING FOUNTAIN W/ BOTTLE FILLER (SINGLE FIXTURE ELEC. COOLED) MEP	DF
FLOOR BOX DUPLEX ELECTRICAL	FE
FLOOR BOX DUPLEX ELECTRICAL	FB
FLOOR COPIER	CP
FLOOR DRAIN PLUMBING	FD
ICEMAKER PLUMBING	ICE
MICROWAVE	MW
REFRIGERATOR PLUMBING	REF.
SECURITY CAMERA ELECTRICAL	SC
SINK PLUMBING	SP
TELEVISION ELECTRICAL	TV

**GENERAL NOTES:**

GENERAL SHEET REFERENCE  
 G1001 DRAWING INDEX  
 G1002 GENERAL NOTES  
 AE001 CODE PLAN  
 AE003-5 UL WALL ASSEMBLIES  
 AE006 UL RATED PENETRATIONS

**DO NOT SCALE DRAWINGS.**

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- CENTER FLOOR BOXES IN ROOMS U.N.O
- REFER TO ENLARGED PLANS FOR MORE DETAIL.
- REFER TO LOCATIONS OF HORIZONTAL LOUVERS AND ROLLER SHADES ARE SHOWN ON THE RCP.

**GENERAL FINISH NOTES:**

FLOOR THRESHOLD TAGS: THESE SYMBOLS INDICATE THE TYPE OF THRESHOLD THAT SHALL BE INSTALLED BETWEEN CHANGES IN FLOOR MATERIAL. CONTRACTOR SHALL BE RESPONSIBLE FOR BUILDING THESE PER DETAILS IN THE INTERIOR FINISH DETAILS. ALL FLOOR TRANSITIONS TO BE LOCATED AT CENTER OF DOOR. U.N.O.

- RUBBER TRANSITION STRIP SEE B5/ AE560
- METAL TRANSITION STRIP SEE D5/ AE560

- FOR ALL WALL TILE GREATER THAN 12\"/>

**KEYNOTES:**

- QUARTZ COUNTERTOP AND BACKSPASH. SEE FINISH LEGEND.
- SINK AND FAUCET. SEE PLUMBING DRAWINGS.
- RECESSED SOAP DISPENSERS. TYPICAL ALL SINKS. MODEL NUMBER PROVIDED BY OWNER. MOUNTING HEIGHT TO MEET ADA, MAX 34\"/>

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STATE OF UTAH  
 KENT R. RIGBY  
 No. 135996  
 03/27/20  
 LICENSED ARCHITECT

ARCHITECT / CONSULTANT

AUTHORITY HAVING JURISDICTION

PROJECT DESCRIPTION  
**INTERMOUNTAIN  
 HEALTHCARE LEVEL 09 TI**

**KEY PRIVATE BANK  
 CITY CREEK CENTER  
 36 SOUTH STATE STREET  
 SALT LAKE CITY, UT 84111**

SHEET NAME:  
**ENLARGED FLOOR  
 PLANS AND INTERIOR  
 ELEVATIONS**

REVISIONS  
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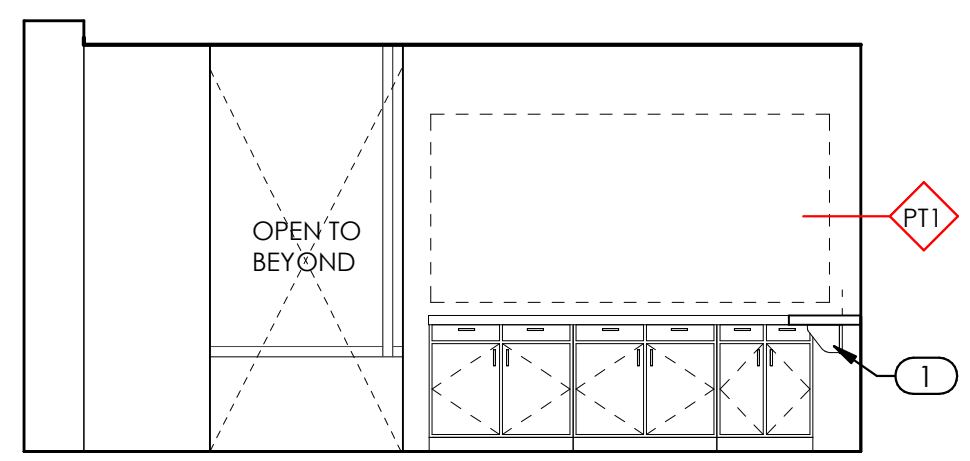
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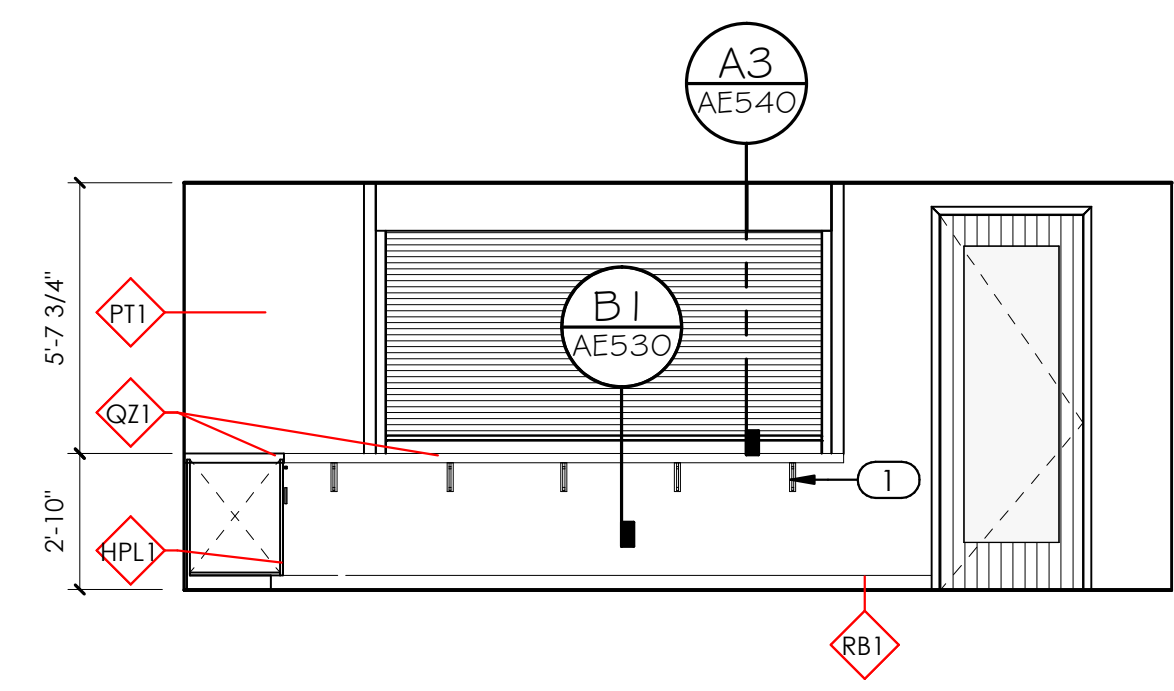
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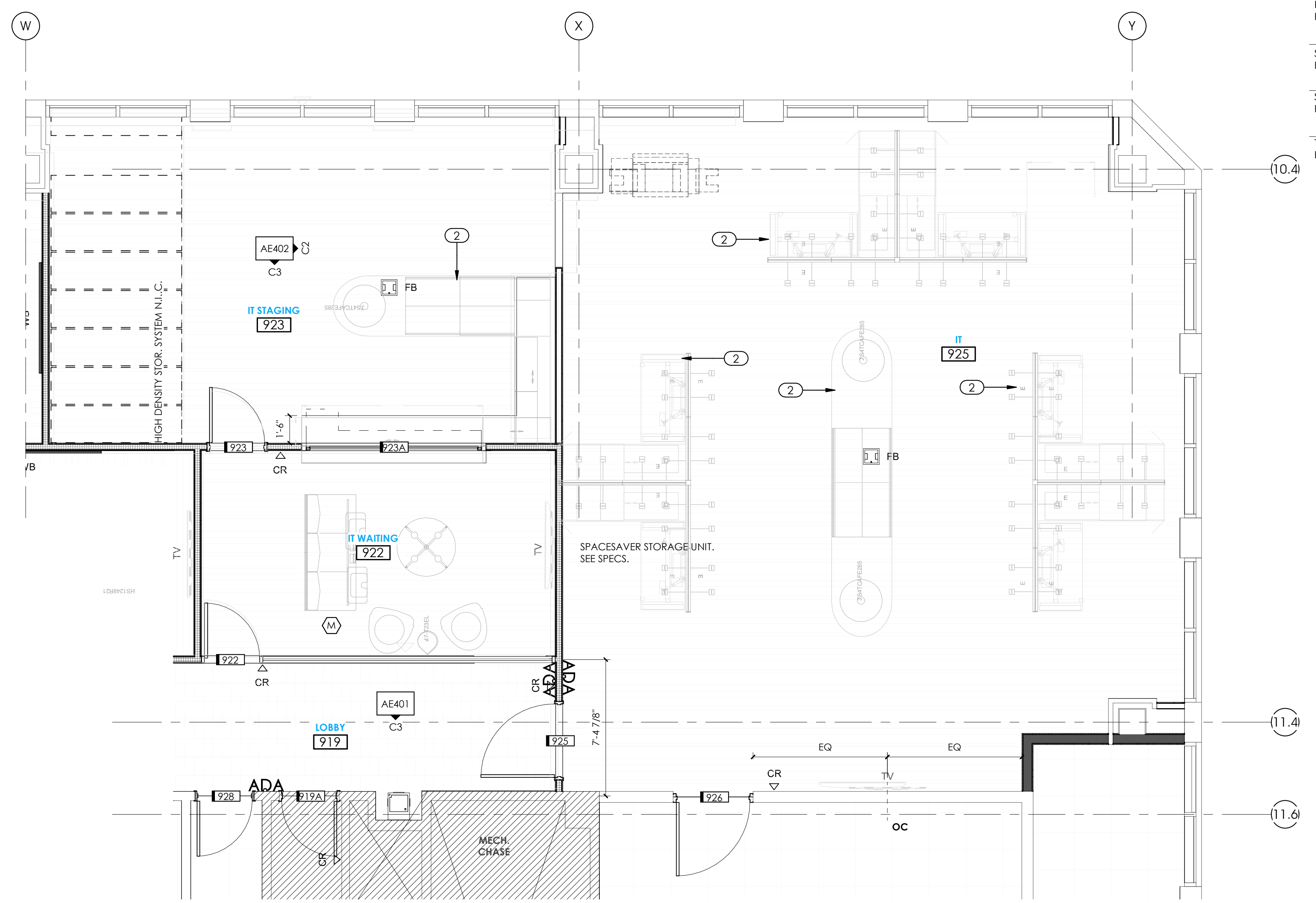
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**C2 Elevation IT Staging, East Wall**  
1/4" = 1'-0"



**C3 Elevation IT Staging, South**  
1/4" = 1'-0"



**A2 Enlarged Floor Plan, IT**  
1/4" = 1'-0"

**HATCH & LINETYPE:**

- AREA NOT IN CONTRACT
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- NEW CONSTRUCTION
- RATED CONSTRUCTION - AE001

**SYMBOLS:**

DESCRIPTION / REFERENCE	SYMBOL
ADA OPERATOR	ADA
CARD READER ELECTRICAL	CR
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- RUBBER TRANSITION STRIP SEE B5/ AE560
- METAL TRANSITION STRIP SEE D5/ AE560
- FOR ALL WALL TILE GREATER THAN 12" IN LENGTH IN ANY DIRECTION, TILE SHALL BE INSTALLED RUNNING BOND WITH OFFSET NO GREATER THAN 1/3 THE LENGTH OF THE TILE.
- PROVIDE EPOXY PAINT AT ALL TOILET ROOMS.
- ALL TILE GROUT JOINTS TO BE NO LARGER THAN 1/8" U.N.O.
- FIELD VERIFY ALL DIMENSIONS BEFORE FABRICATION OF MILLWORK.
- COORDINATE ALL MILLWORK WITH APPLIANCES BEFORE FABRICATION.
- SEE INTERIOR ELEVATION SHEETS FOR ALL WALL TILE PATTERNS - COORDINATE PATTERN LAYOUTS WITH ARCHITECT PRIOR TO CUTTING AND PLACEMENT OF ANY & ALL TILE.
- PROVIDE A SMOOTH TRANSITION AT ALL CHANGES IN FLOOR MATERIAL - CONTRACTOR TO INSTALL ALL FLOOR FINISHES AT SAME LEVEL, DESPITE DIFFERENCES IN THICKNESS.
- EXPOSED GYP. BD. CEILINGS SHALL BE PAINTED - REFER TO FINISH PLANS, REFLECTED CEILING PLANS, & FINISH SCHEDULE FOR PAINT COLOR.
- RATED WALL CONDITIONS SHALL REMAIN 5/8" TYPE-X GYP. BOARD. GYP. BOARD, BOTH RATED AND NON-RATED, SHALL BE PAINTED WHERE EXPOSED - REFER TO FINISH LEGEND.
- PROVIDE SOLID BLOCKING/BACKING FOR ALL WALL MOUNTED ACCESSORIES.
- FOR ALL FINISH MATERIALS SEE FINISH LEGEND ON SHEET AE620
- FOR EQUIPMENT, ACCESSORIES, AND FIXTURES, SEE SCHEDULE ON SHEET AE620. COORDINATE ALL FIXTURES AND EQUIPMENT WITH MECHANICAL, PLUMBING, AND ELECTRICAL AS REQUIRED.
- ALL EXPOSED PIPES IN LAVATORIES SHOULD BE WRAPPED IN A PVC INSULATION

**KEYNOTES:**

- 1 METAL BRACKETS FOR SUPPORT
- 2 REFER TO MIDWEST DRAWINGS FOR FURNITURE TYPE.

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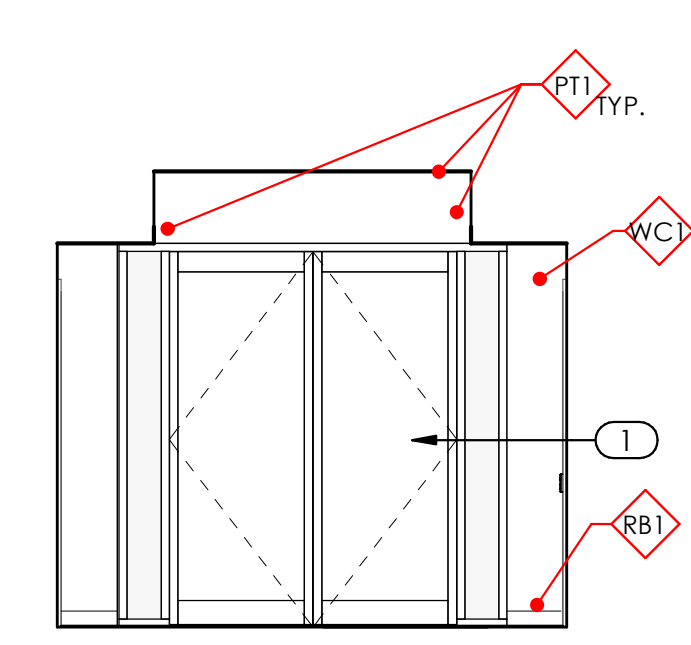
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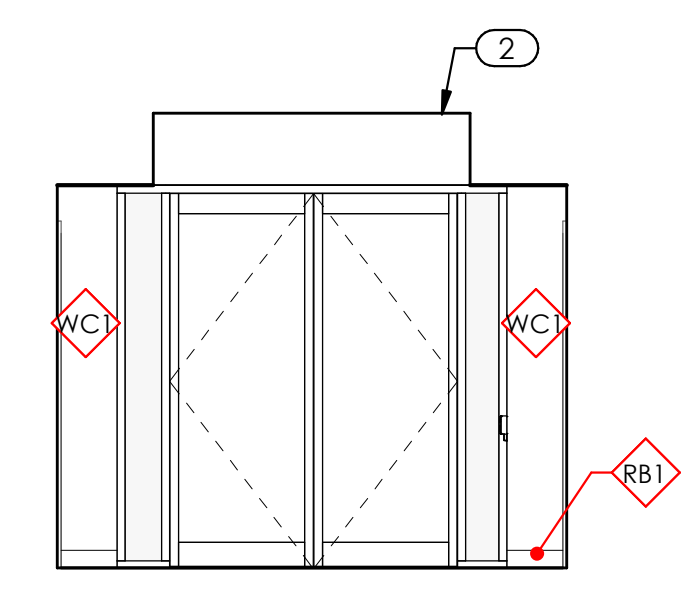
SHEET NUMBER:

**AE402**

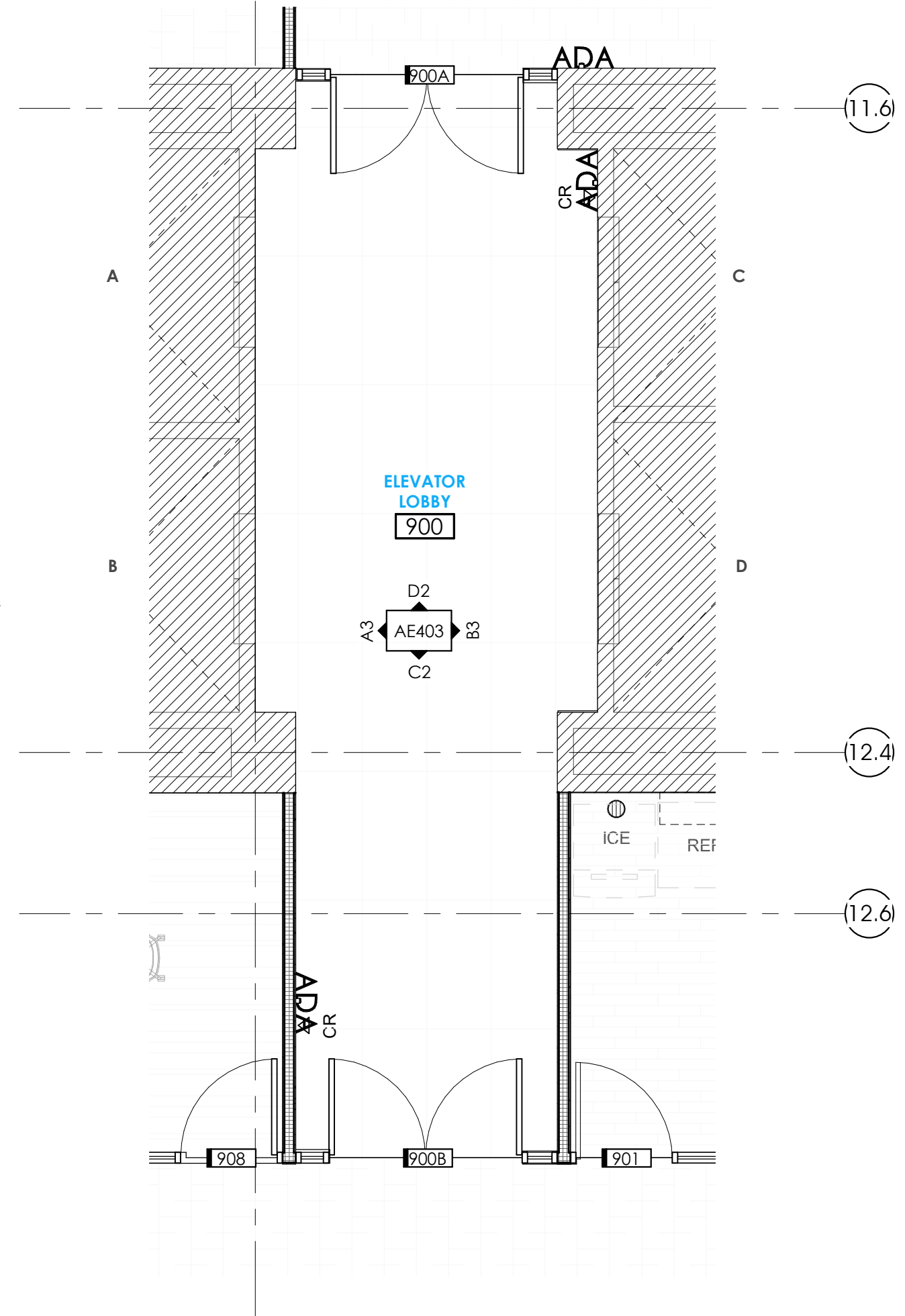
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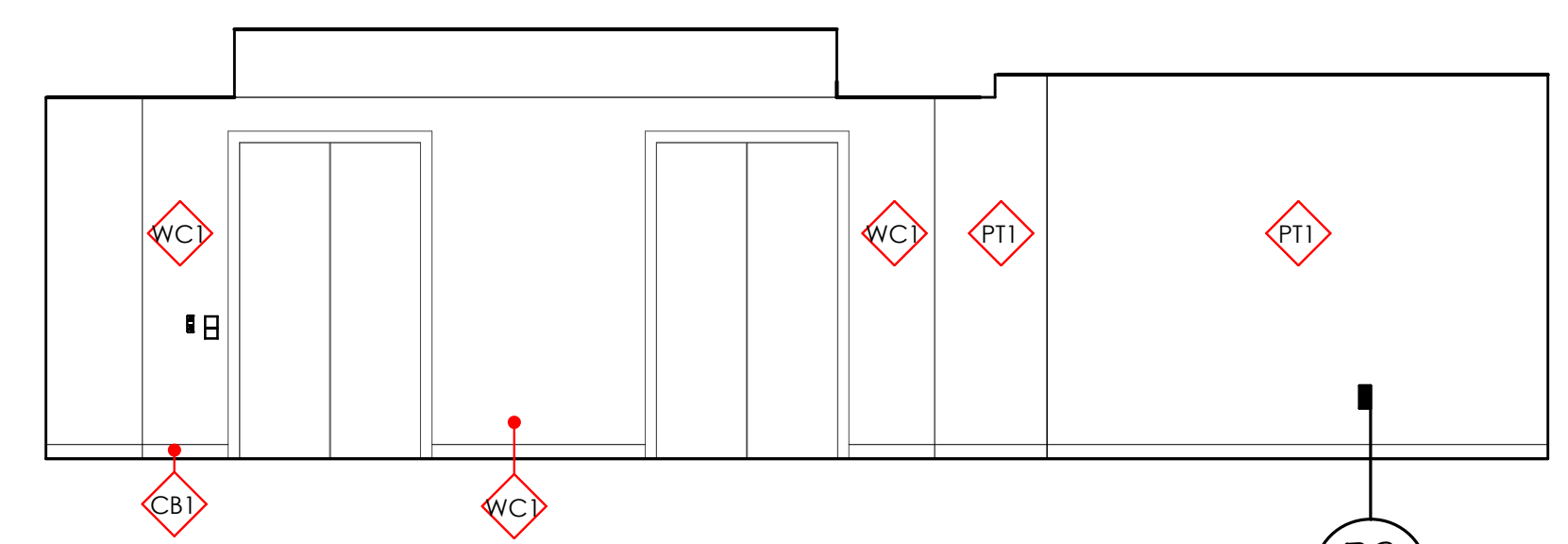
**D2** Elevation Elev Lobby South Wall  
 1/4" = 1'-0"



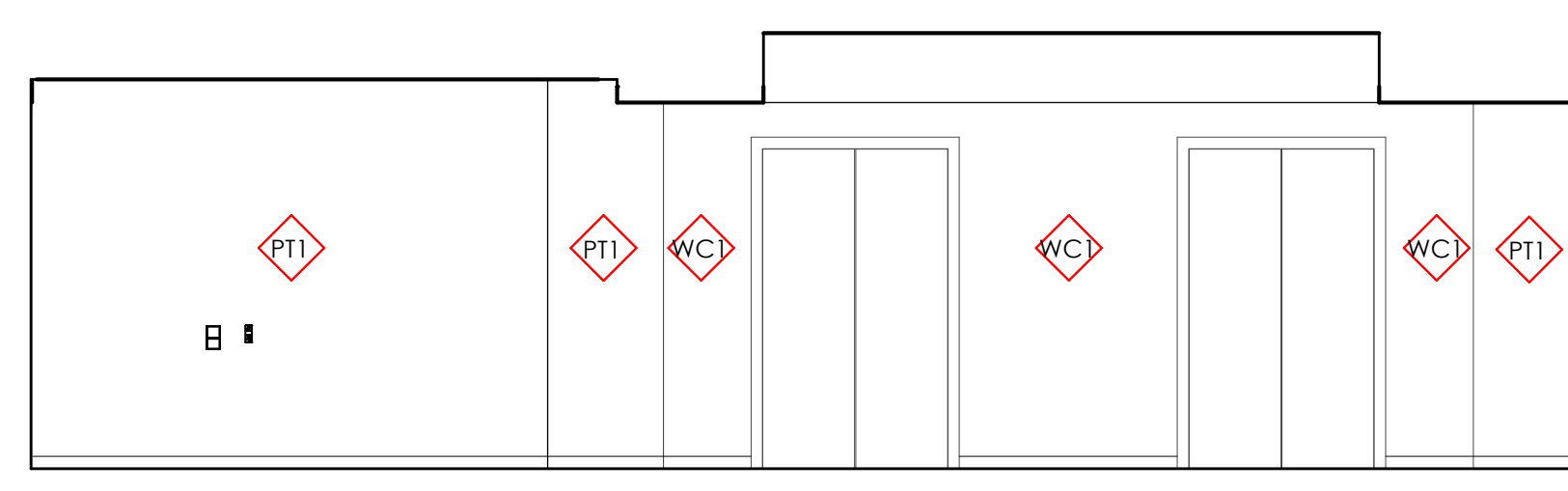
**C2** Elevation Elev Lobby North Wall  
 1/4" = 1'-0"



**C3** Enlarged Floor Plan - Elev Lobby Plan  
 1/4" = 1'-0"



**B3** Elevation Elev Lobby East Wall  
 1/4" = 1'-0"



**A3** Elevation Elevator Lobby West Wall  
 1/4" = 1'-0"

**HATCH & LINETYPE:**

- AREA NOT IN CONTRACT
- EXISTING
- NEW CONSTRUCTION
- RATED CONSTRUCTION - AE001

**SYMBOLS:**

DESCRIPTION / REFERENCE	SYMBOL
ADA OPERATOR	ADA
CARD READER ELECTRICAL	CR
COFFEE BREWER PLUMBING	CB
DRINKING FOUNTAIN W/ BOTTLE FILLER (SINGLE FIXTURE ELEC. COOLED) MEP	DF
FLOOR BOX DUPLEX ELECTRICAL	FE
FLOOR BOX DUPLEX ELECTRICAL	FE
FLOOR COPIER	FC
FLOOR DRAIN PLUMBING	FD
ICEMAKER PLUMBING	ICE
MICROWAVE	MW
REFRIGERATOR PLUMBING	REF.
SECURITY CAMERA ELECTRICAL	SC
SINK PLUMBING	SI
TELEVISION ELECTRICAL	TV

**GENERAL NOTES:**

- GENERAL SHEET REFERENCE
- G1001 DRAWING INDEX
- G1002 GENERAL NOTES
- AE001 CODE PLAN
- AE003-5 UL WALL ASSEMBLIES
- AE006 UL RATED PENETRATIONS

**DO NOT SCALE DRAWINGS.**

- CONTRACTOR / SUBCONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS BEFORE BEGINNING WORK, AND SHALL REPORT TO THE ARCHITECT OF ANY ERRORS, INCONSISTENCIES OR OMISSIONS BEFORE BEGINNING WORK. SEE GENERAL NOTES AND SPECIFICATIONS.
- ALL EXISTING GYP. BD. WALL SURFACES TO BE PATCHED AND REPAIRED TO ATTAIN A LEVEL 5 FINISH. ALL NEW GYP. BD. WALL SURFACES TO BE FINISHED TO A LEVEL 5 FINISH.
- ALL EXPOSED SURFACES TO RECEIVE FINISH. ANY SURFACE WITHOUT A FINISH DESIGNATION TO RECEIVE GENERAL FINISH FROM FINISH LEGEND.
- CONTRACTOR IS REQUIRED TO MAINTAIN ALL EXISTING FIRE RATED CONSTRUCTION AND IS RESPONSIBLE TO PATCH & REPAIR OR REPLACE EXISTING FIRE RATED ASSEMBLIES AS REQUIRED.
- PROVIDE BLOCKING FOR ALL CASEWORK, COUNTERTOPS, SHELVING & WALL HUNG ACCESSORIES AS REQUIRED. RE: AE530 - DETAILS
- CENTER FLOOR BOXES IN ROOMS U.N.O
- REFER TO ENLARGED PLANS FOR MORE DETAIL.
- REFER TO LOCATIONS OF HORIZONTAL LOUVERS AND ROLLER SHADES ARE SHOWN ON THE RCP.

**GENERAL FINISH NOTES:**

FLOOR THRESHOLD TAGS: THESE SYMBOLS INDICATE THE TYPE OF THRESHOLD THAT SHALL BE INSTALLED BETWEEN CHANGES IN FLOOR MATERIAL. CONTRACTOR SHALL BE RESPONSIBLE FOR BUILDING THESE PER DETAILS IN THE INTERIOR FINISH DETAILS. ALL FLOOR TRANSITIONS TO BE LOCATED AT CENTER OF DOOR. U.N.O.

- RUBBER TRANSITION STRIP SEE B5/ AE560
- METAL TRANSITION STRIP SEE D5/ AE560

- FOR ALL WALL TILE GREATER THAN 12" IN LENGTH IN ANY DIRECTION, TILE SHALL BE INSTALLED RUNNING BOND WITH OFFSET NO GREATER THAN 1/3 THE LENGTH OF THE TILE.
- PROVIDE EPOXY PAINT AT ALL TOILET ROOMS.
- ALL TILE GROUT JOINTS TO BE NO LARGER THAN 1/8". U.N.O.
- FIELD VERIFY ALL DIMENSIONS BEFORE FABRICATION OF MILLWORK.
- COORDINATE ALL MILLWORK WITH APPLIANCES BEFORE FABRICATION.
- SEE INTERIOR ELEVATION SHEETS FOR ALL WALL TILE PATTERNS - COORDINATE PATTERN LAYOUTS WITH ARCHITECT PRIOR TO CUTTING AND PLACEMENT OF ANY & ALL TILE.
- PROVIDE A SMOOTH TRANSITION AT ALL CHANGES IN FLOOR MATERIAL - CONTRACTOR TO INSTALL ALL FLOOR FINISHES AT SAME LEVEL, DESPITE DIFFERENCES IN THICKNESS.
- EXPOSED GYP. BD, CEILINGS SHALL BE PAINTED - REFER TO FINISH PLANS, REFLECTED CEILING PLANS, & FINISH SCHEDULE FOR PAINT COLOR.
- RATED WALL CONDITIONS SHALL REMAIN 5/8" TYPE-X GYP. BOARD. GYP. BOARD, BOTH RATED AND NON-RATED, SHALL BE PAINTED WHERE EXPOSED - REFER TO FINISH LEGEND.
- PROVIDE SOLID BLOCKING/BACKING FOR ALL WALL MOUNTED ACCESSORIES.
- FOR ALL FINISH MATERIALS SEE FINISH LEGEND ON SHEET AE620
- FOR EQUIPMENT, ACCESSORIES, AND FIXTURES, SEE SCHEDULE ON SHEET AE620. COORDINATE ALL FIXTURES AND EQUIPMENT WITH MECHANICAL, PLUMBING, AND ELECTRICAL AS REQUIRED.
- ALL EXPOSED PIPES IN LAVATORIES SHOULD BE WRAPPED IN A PVC INSULATION

**KEYNOTES:**

- 1 PRIVACY FILM, EQUAL TO 3M FASARA.
- 2 NEW GYP SOFFIT, PAINT PT1. REFER TO DETAIL D4, SHEET AE510.

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ARCHITECT / CONSULTANT

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PROJECT DESCRIPTION  
**INTERMOUNTAIN  
 HEALTHCARE LEVEL 09 TI**

**KEY PRIVATE BANK  
 CITY CREEK CENTER  
 36 SOUTH STATE STREET  
 SALT LAKE CITY, UT 84111**

SHEET NAME:  
**ENLARGED FLOOR  
 PLANS AND INTERIOR  
 ELEVATIONS**

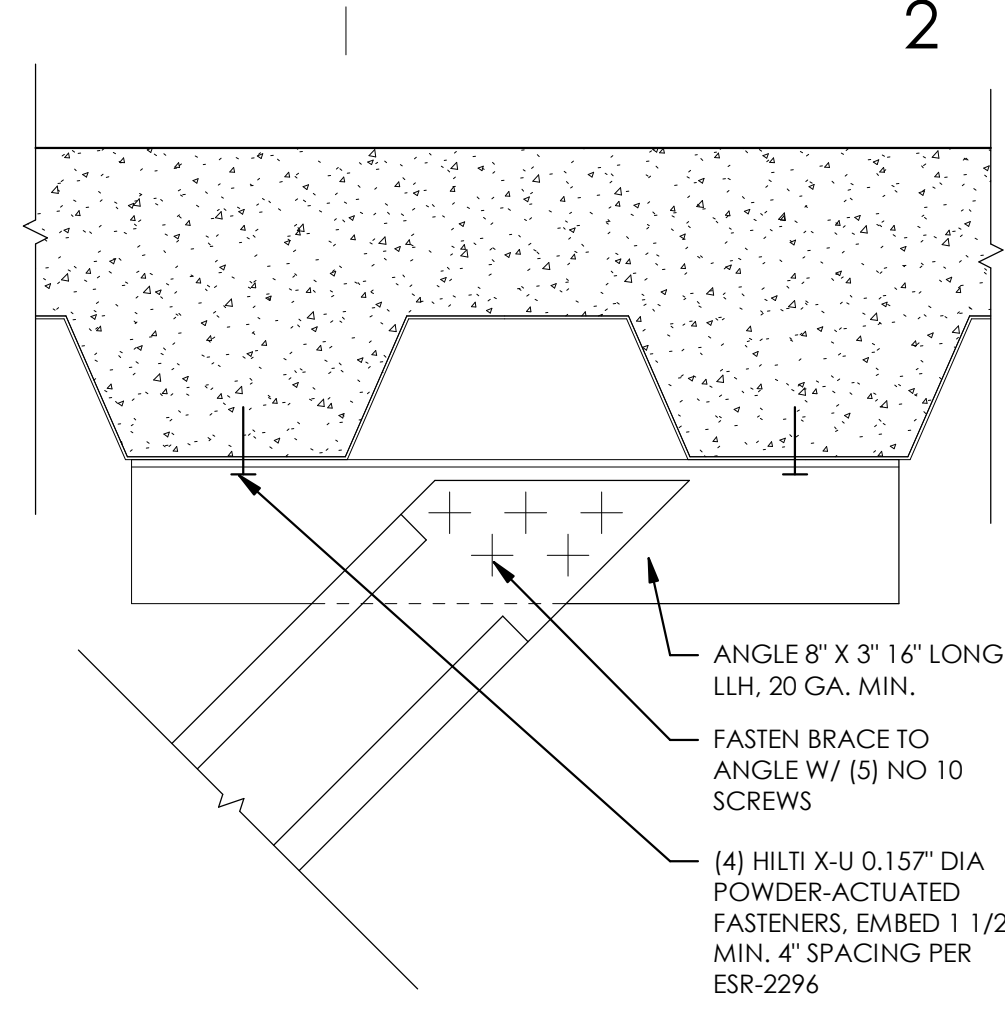
REVISIONS

MARK	DATE	DESCRIPTION

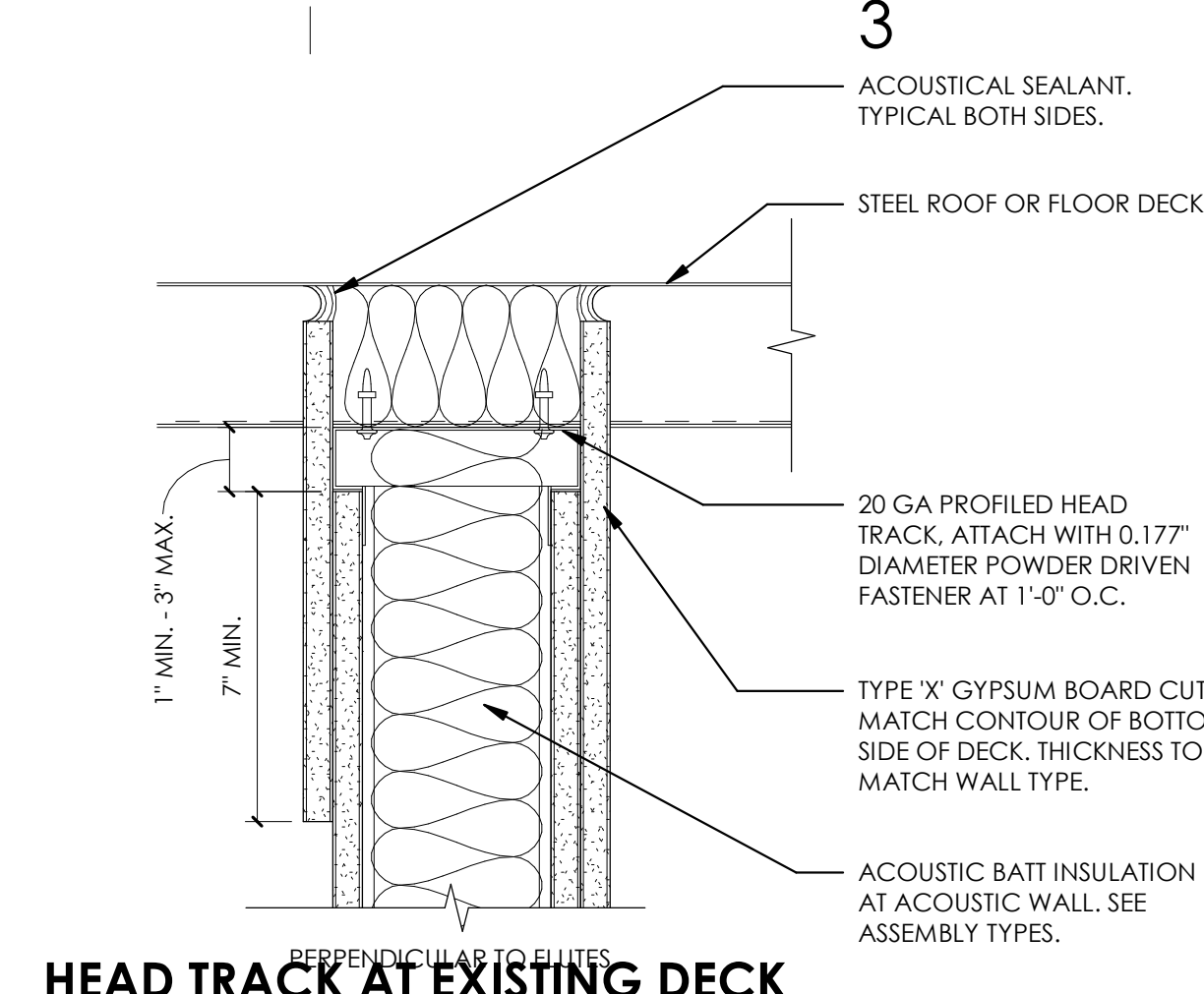
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 CHECKED BY: **K. RIGBY**  
 PROJECT#: **1953**

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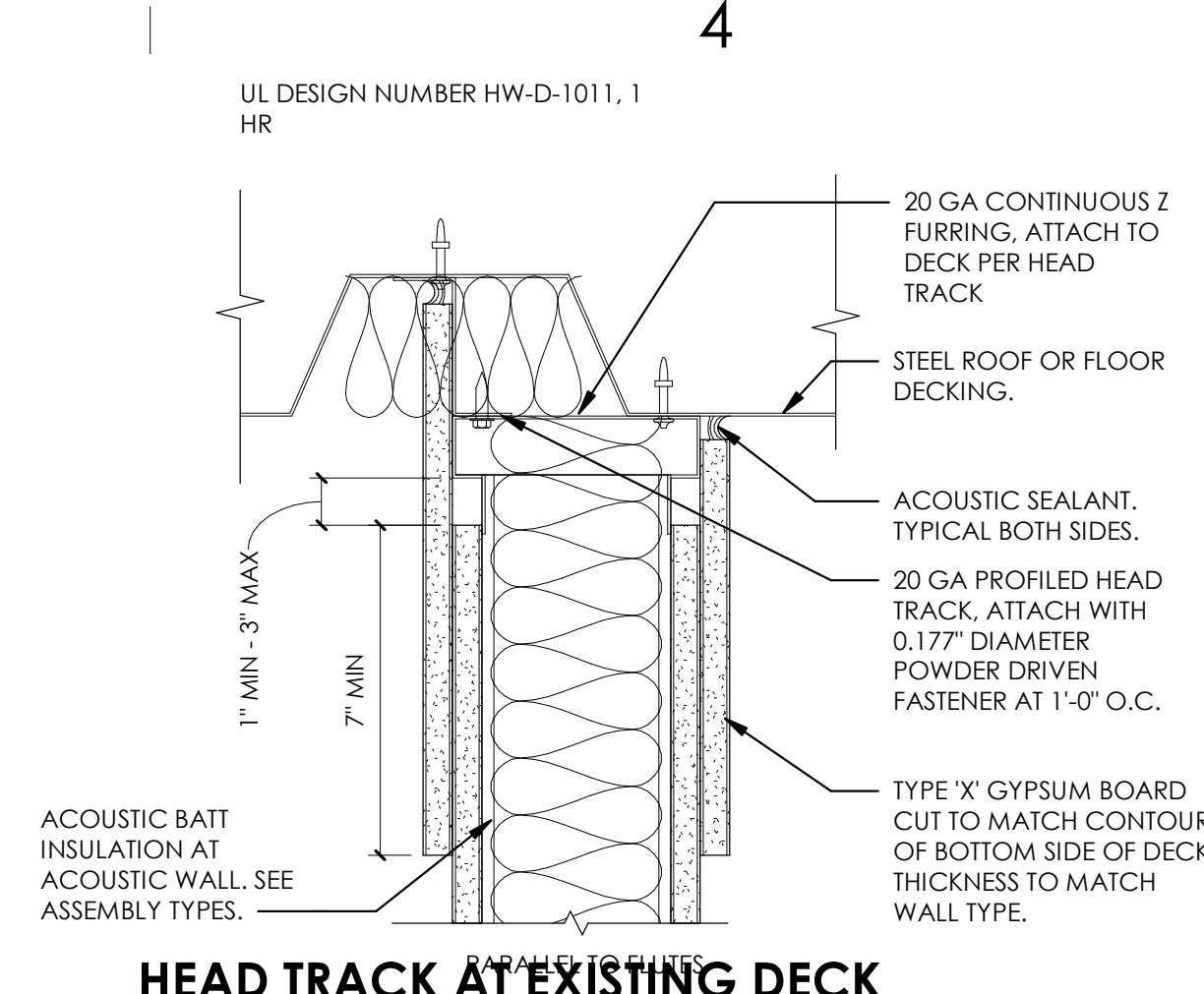
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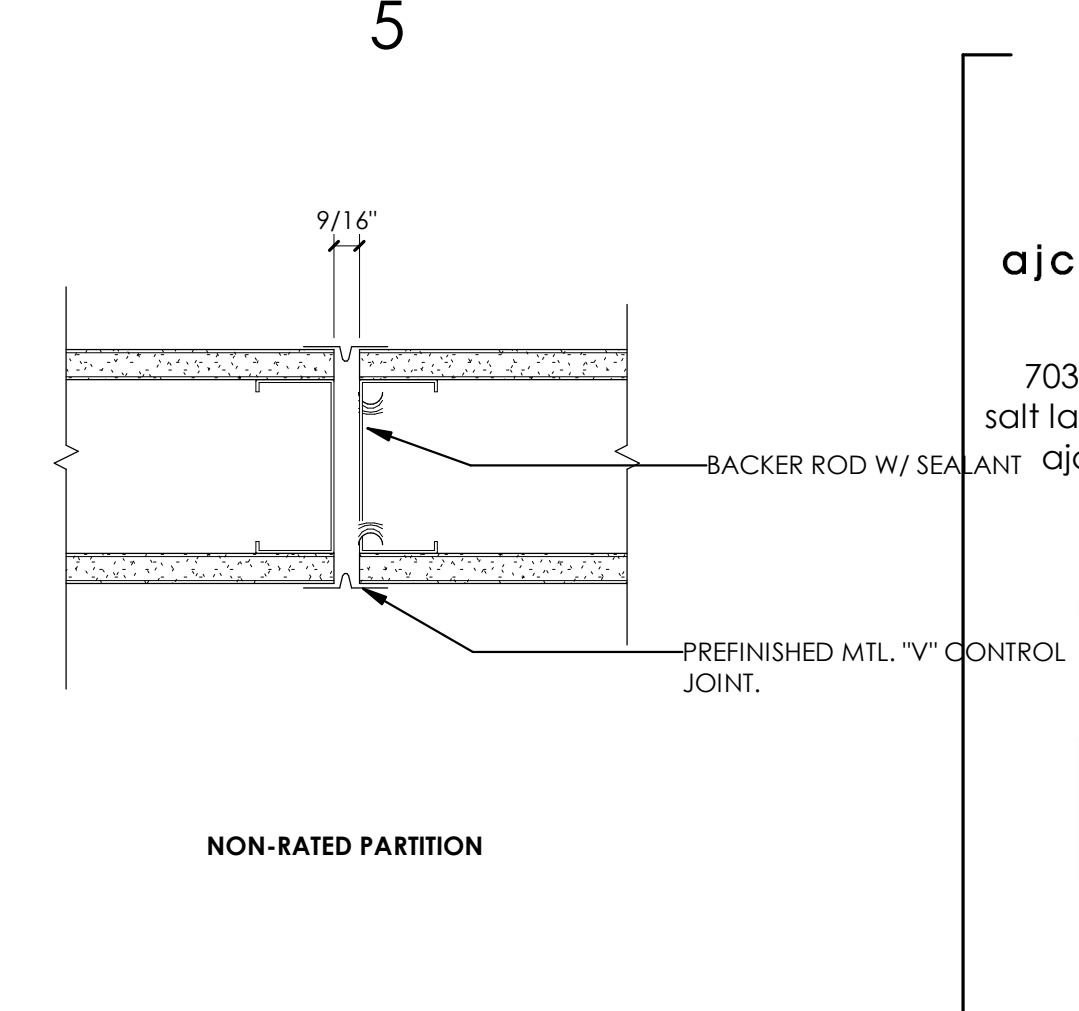
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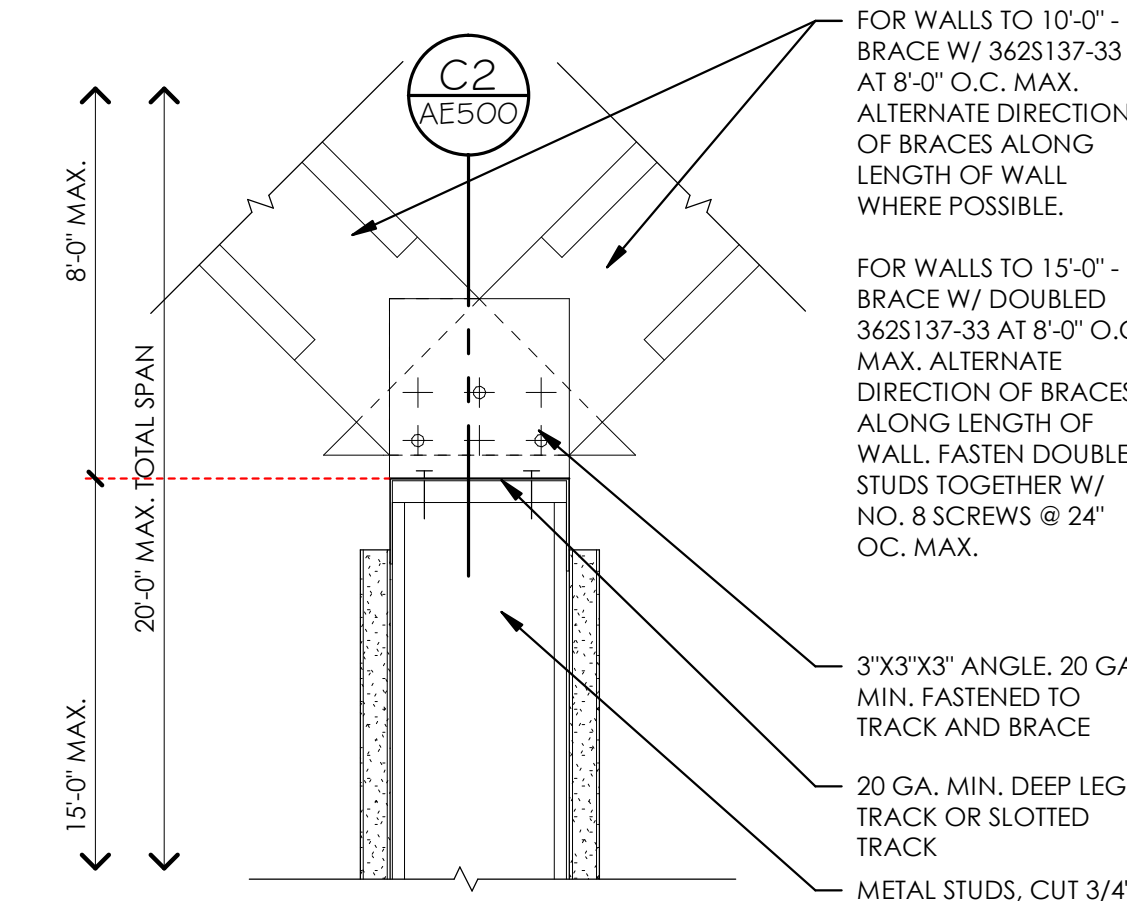
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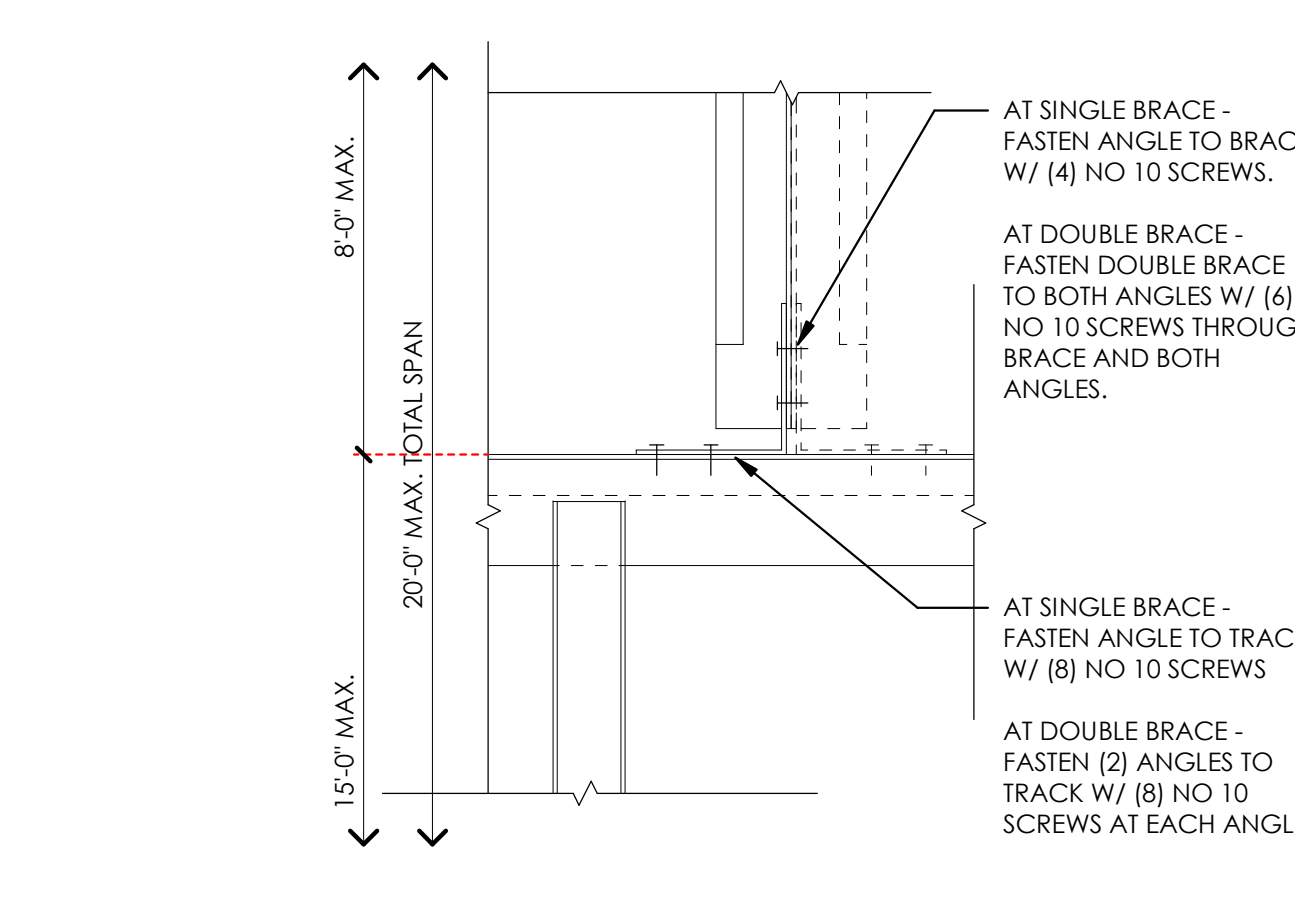
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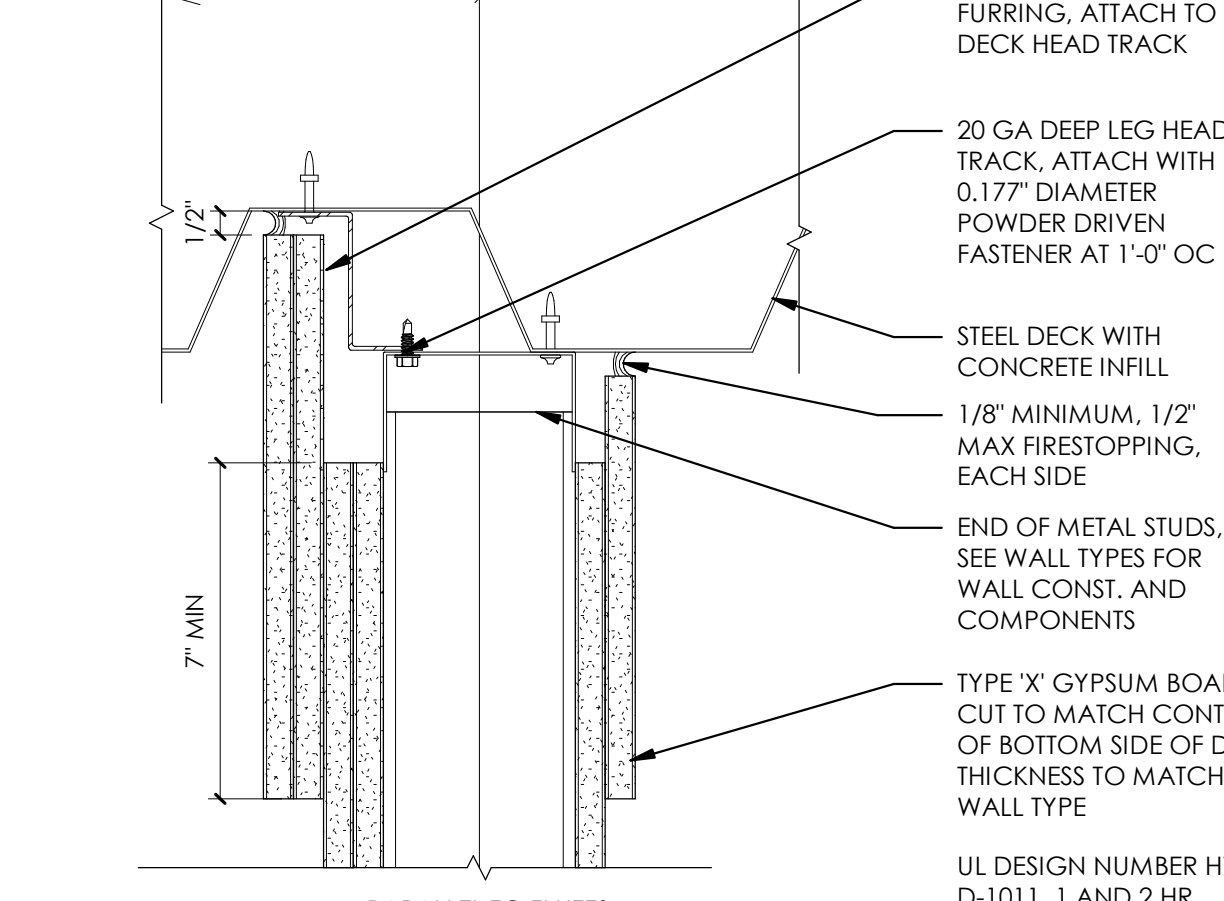
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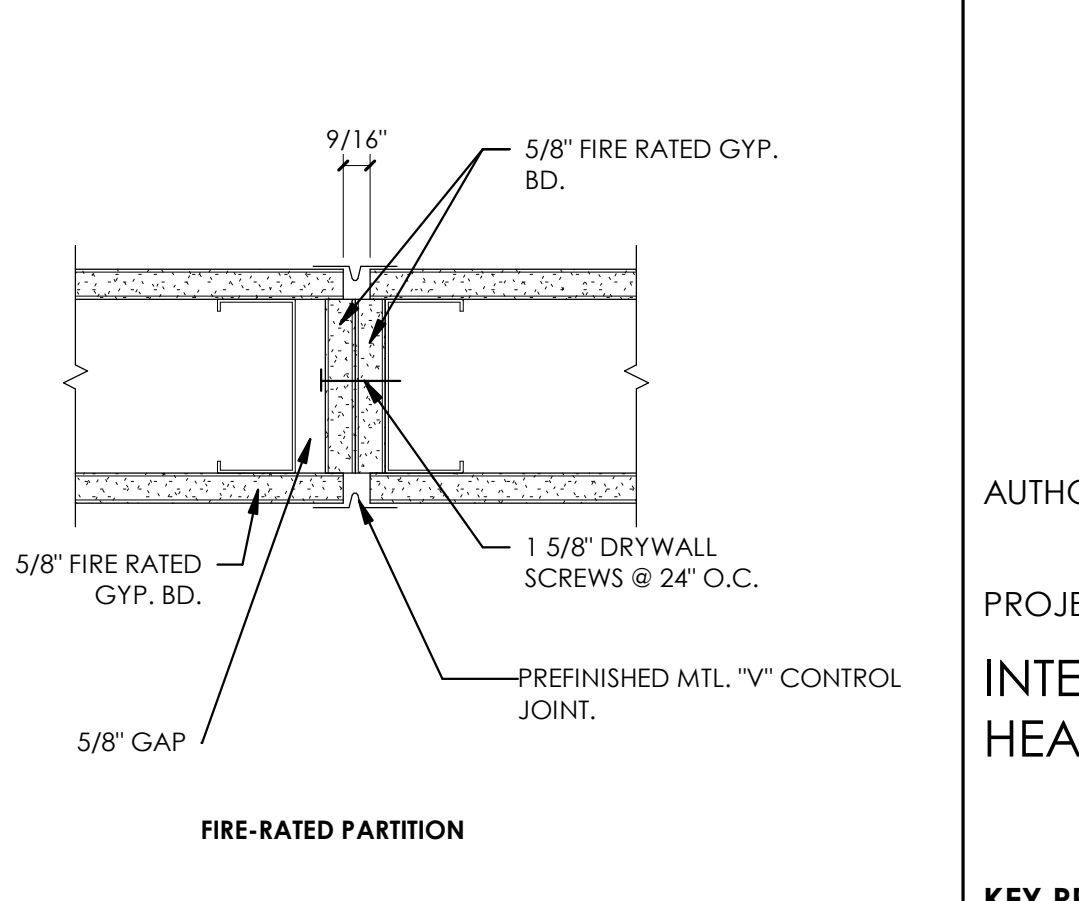
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**C2 PARTITION BRACING - ELEVATION**  
3\"/>



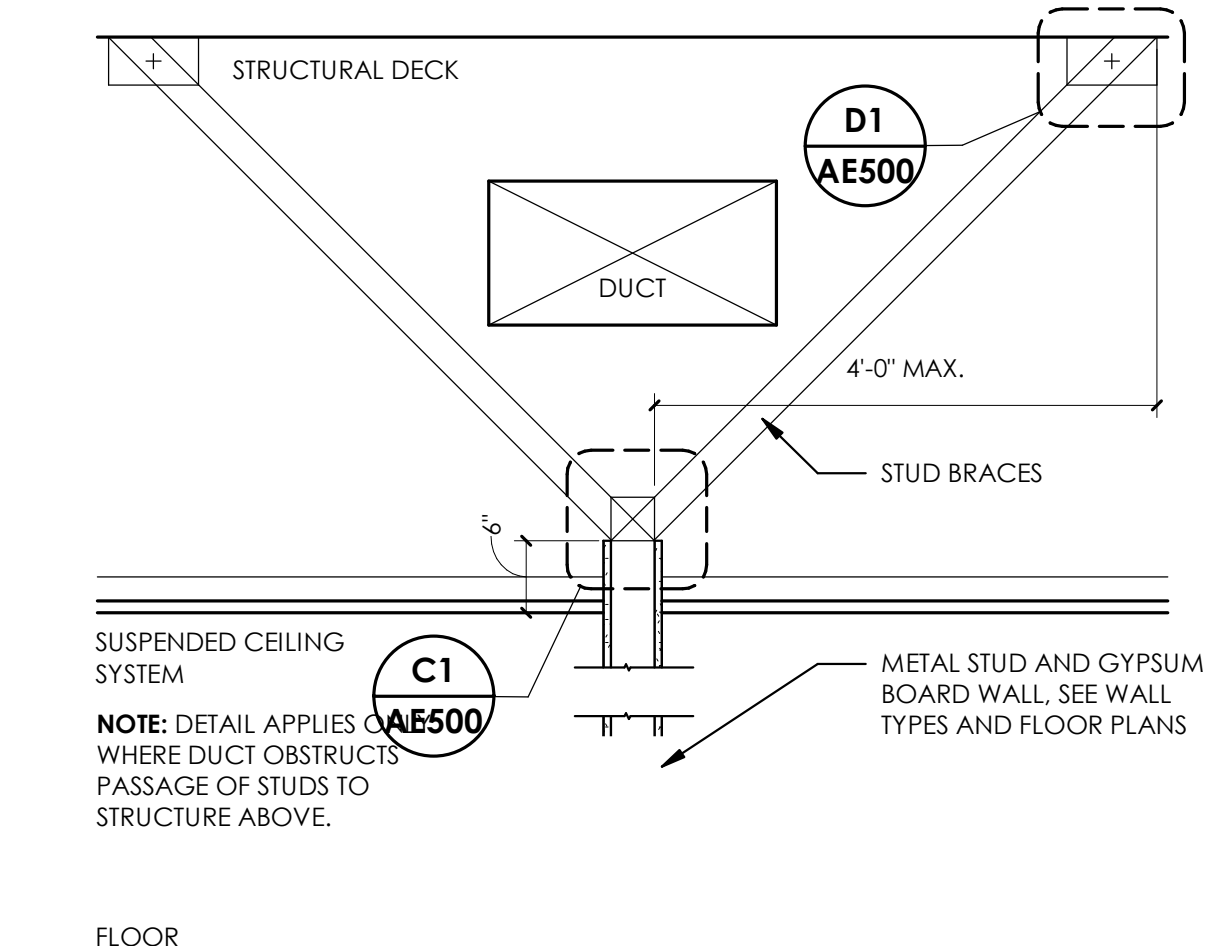
**C3 RATED HEAD @ DECK**  
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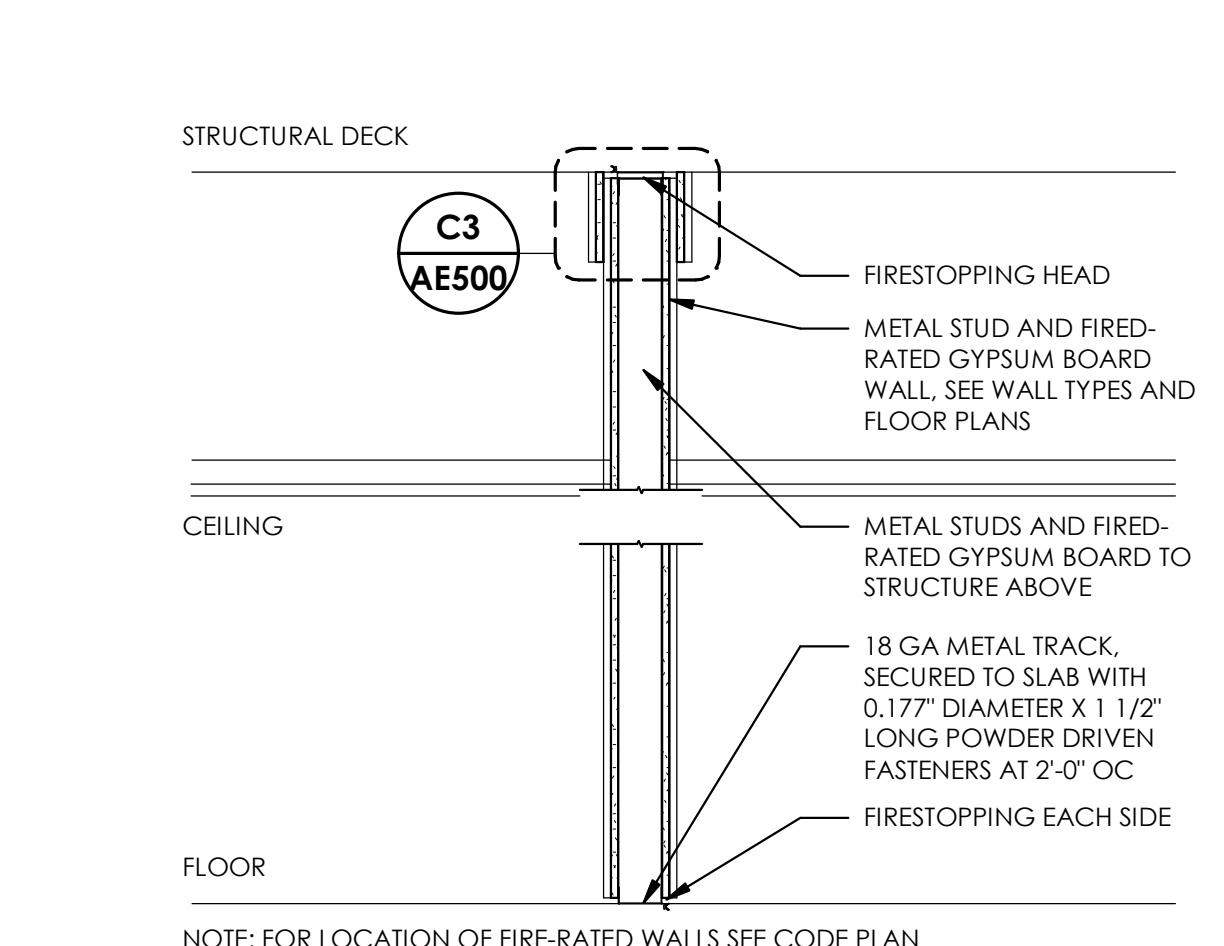
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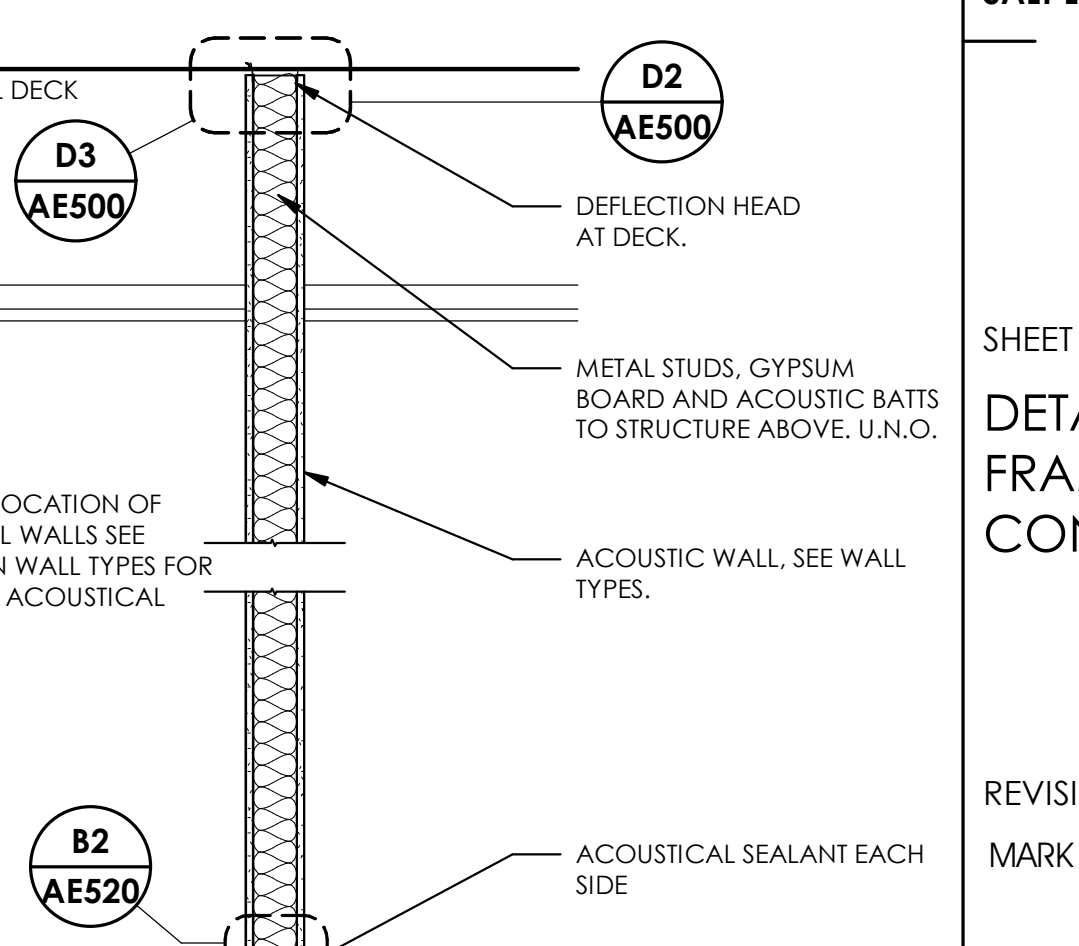
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**C2 PARTITION BRACING - ELEVATION**  
3\"/>



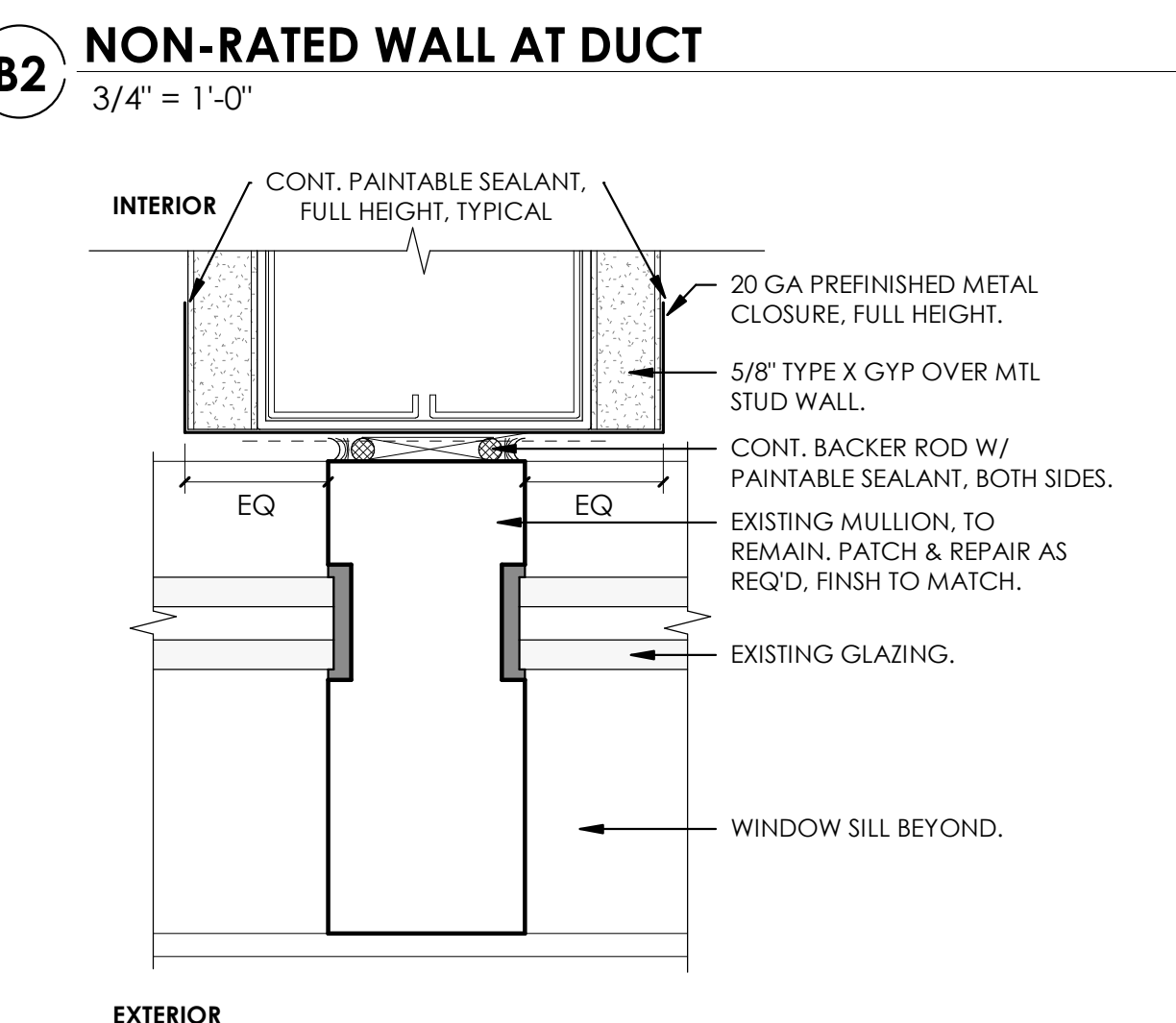
**C3 RATED HEAD @ DECK**  
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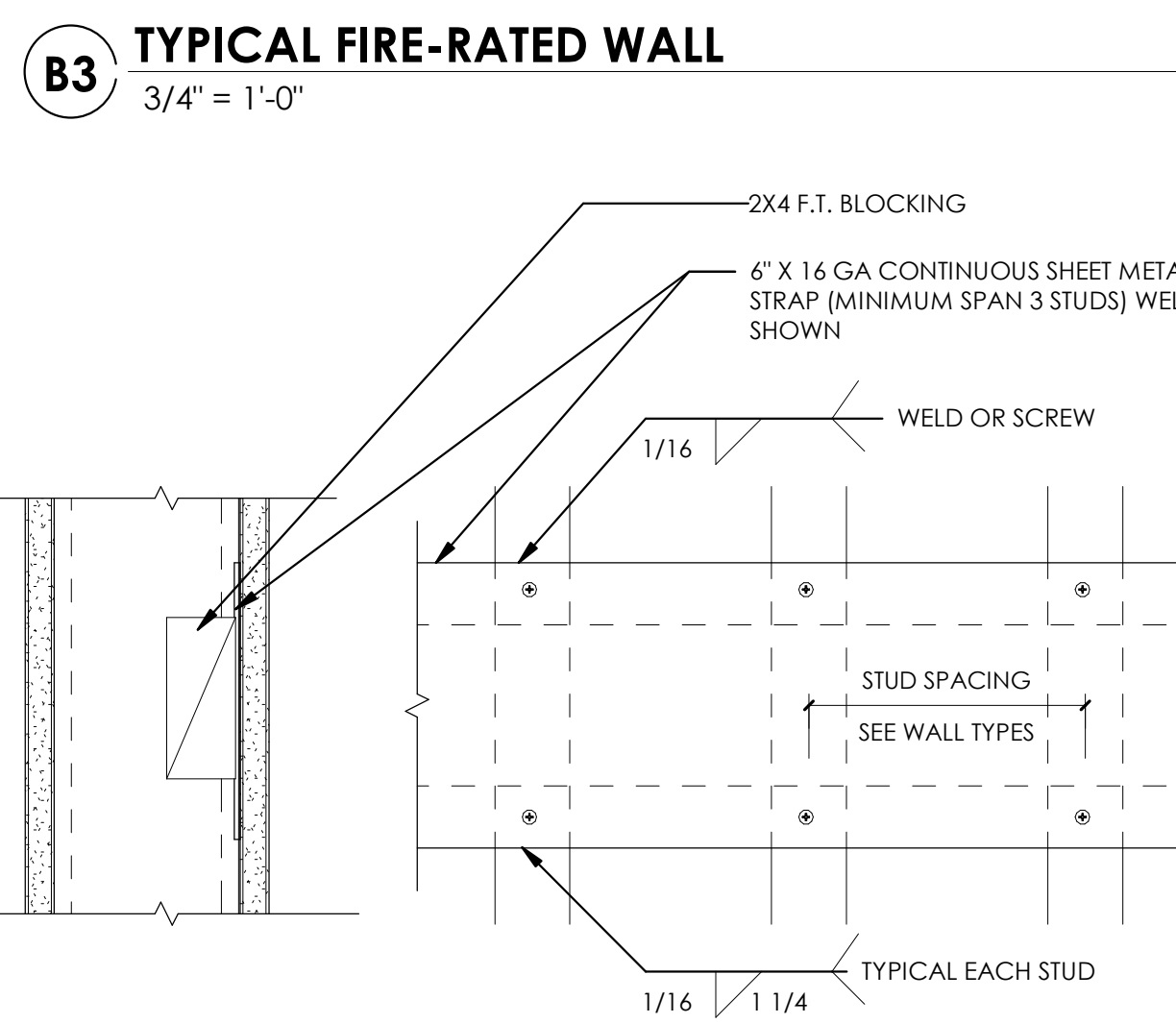
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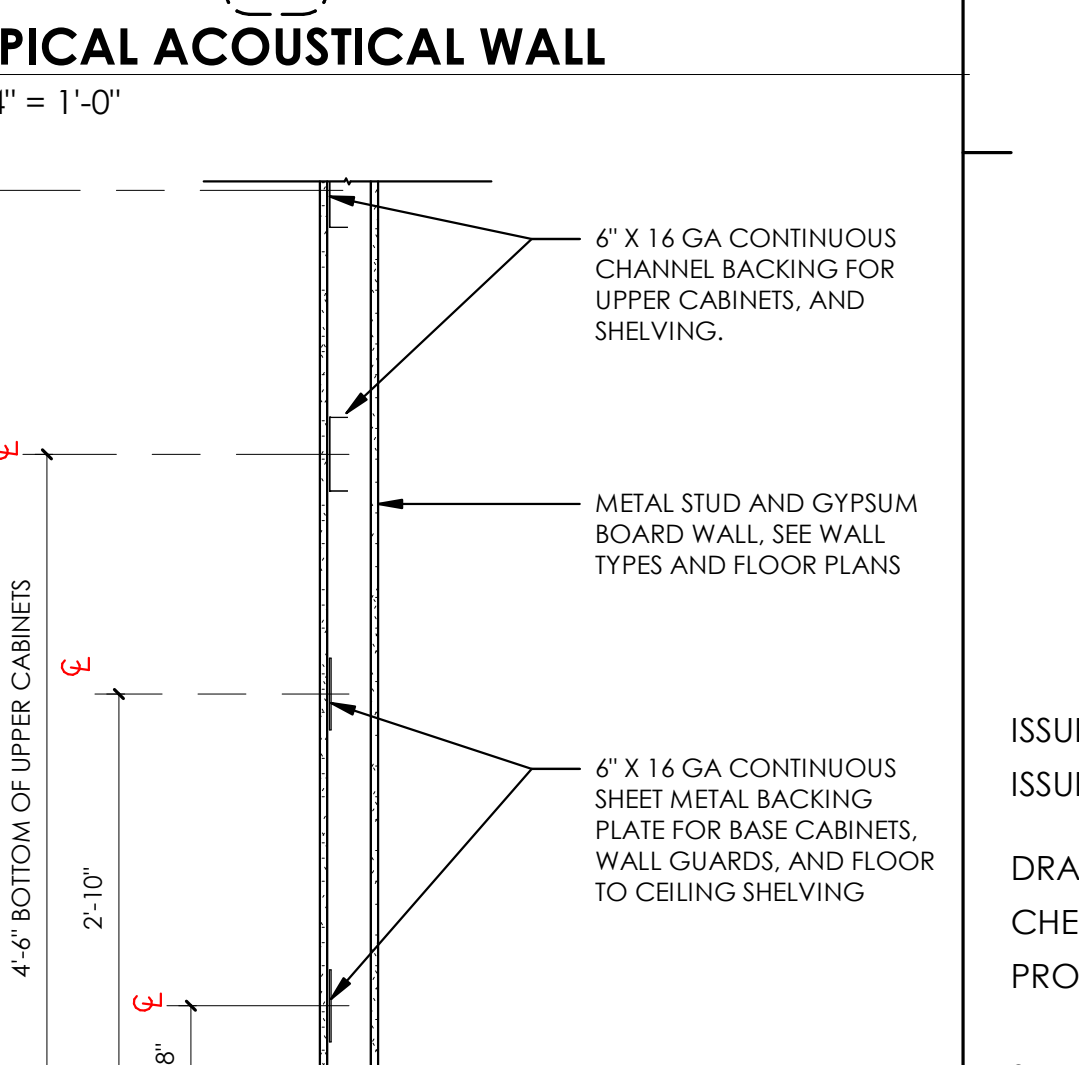
**A2 END OF WALL AT STOREFRONT**  
6\"/>



**A3 TYPICAL BACKING STRAPS/BLOCKING**  
3\"/>



**A5 BLOCKING/BACKING/STRAPS**  
3\"/>



**B5 TYPICAL ACOUSTICAL WALL**  
3\"/>

**A2 END OF WALL AT STOREFRONT**  
6\"/>

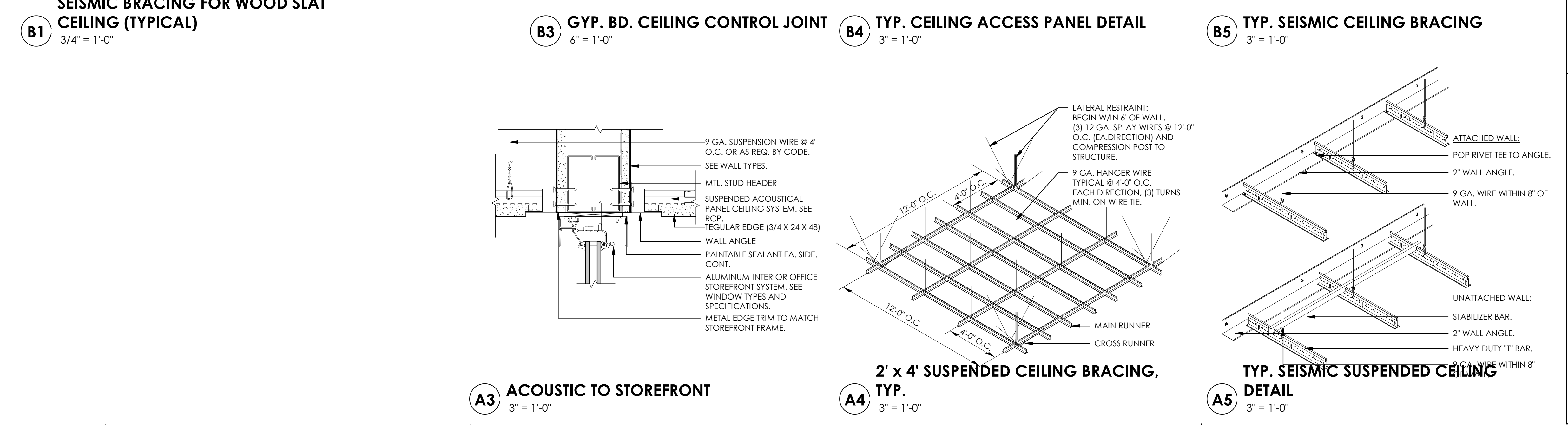
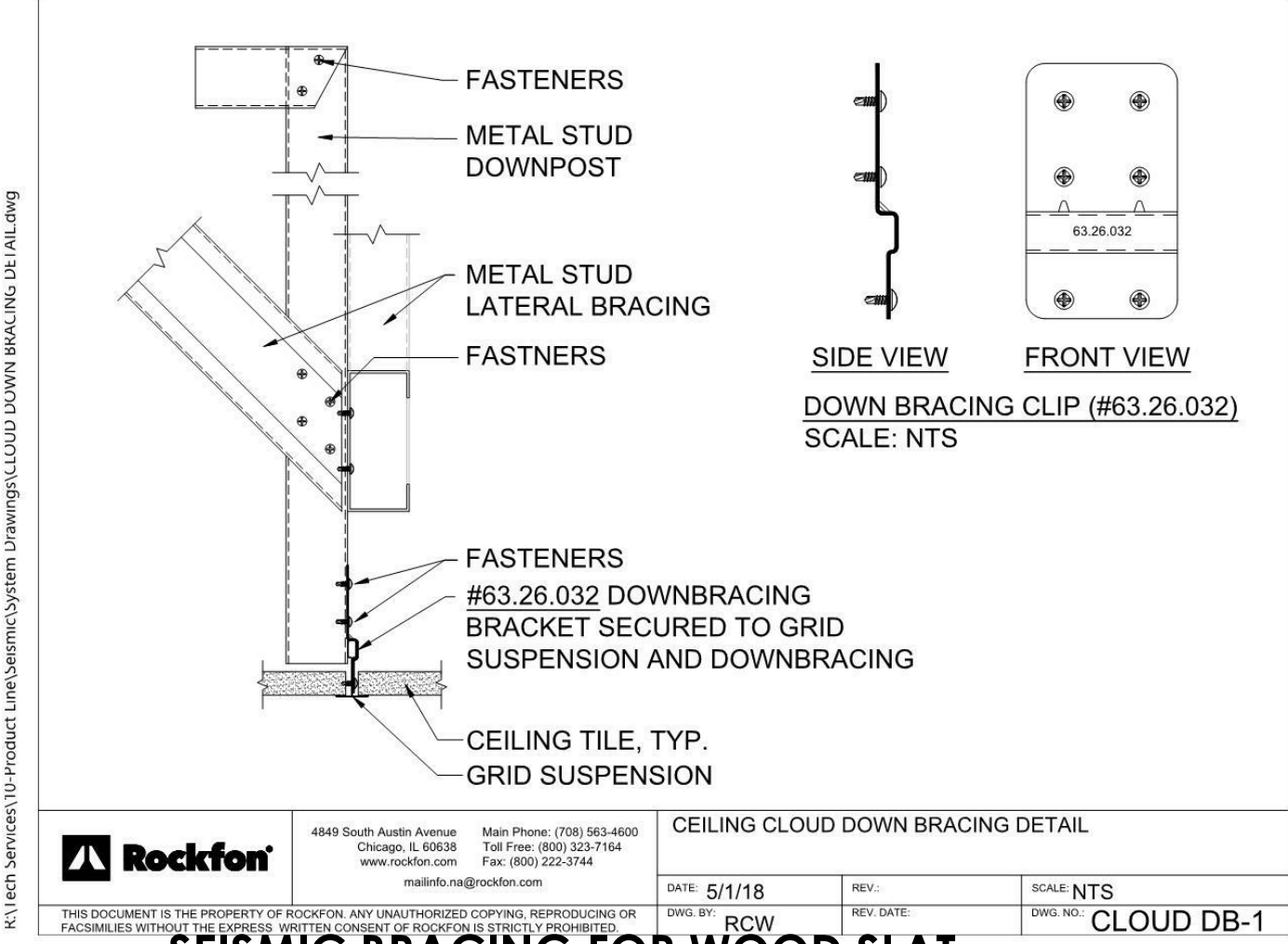
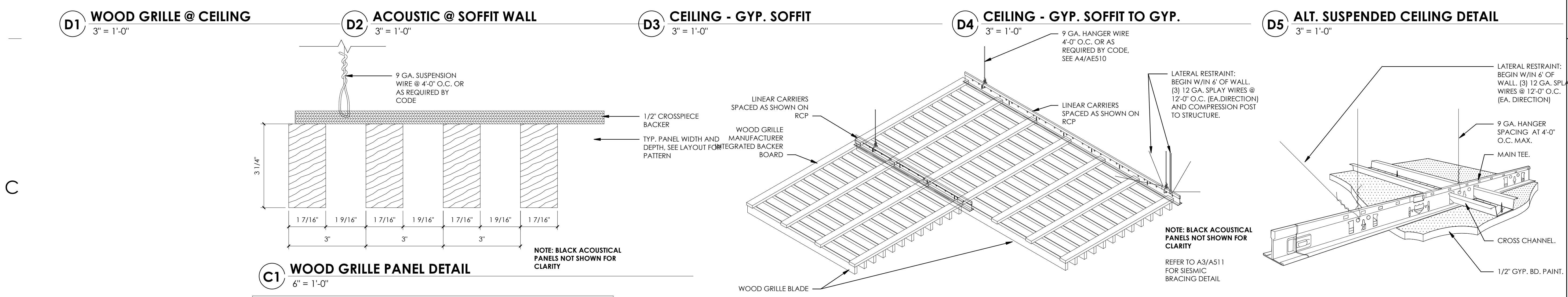
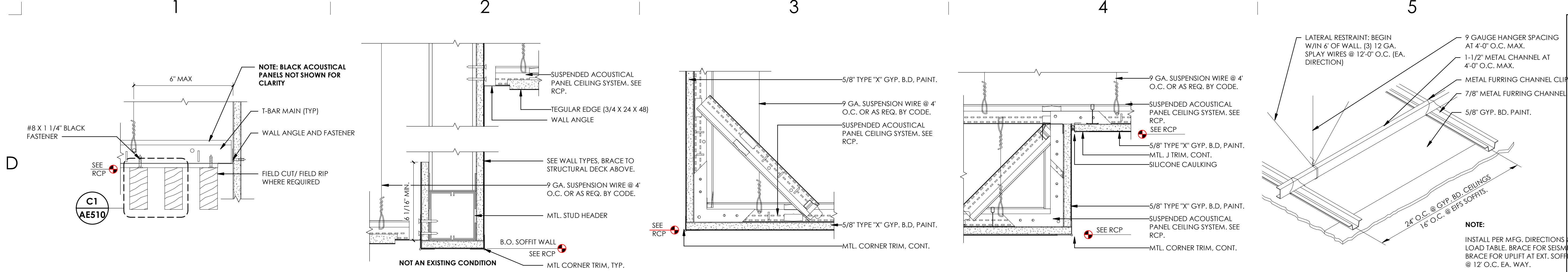
**A3 TYPICAL BACKING STRAPS/BLOCKING**  
3\"/>

**A5 BLOCKING/BACKING/STRAPS**  
3\"/>

**B5 TYPICAL ACOUSTICAL WALL**  
3\"/>



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ARCHITECT / CONSULTANT

AUTHORITY HAVING JURISDICTION

PROJECT DESCRIPTION  
**INTERMOUNTAIN HEALTHCARE LEVEL 09 TI**

KEY PRIVATE BANK  
 CITY CREEK CENTER  
 36 SOUTH STATE STREET  
 SALT LAKE CITY, UT 84111

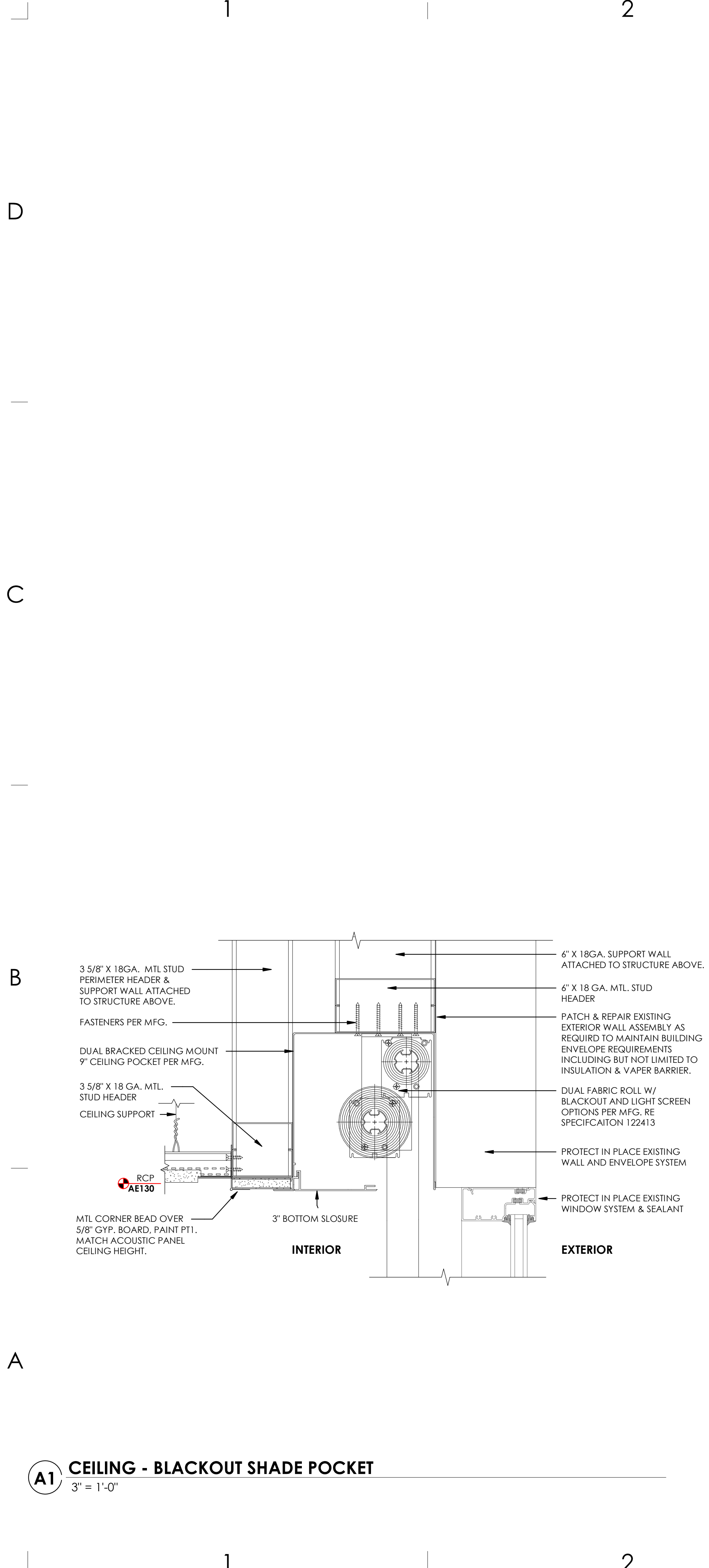
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**DETAILS - CEILING**

REVISIONS  
 MARK DATE DESCRIPTION

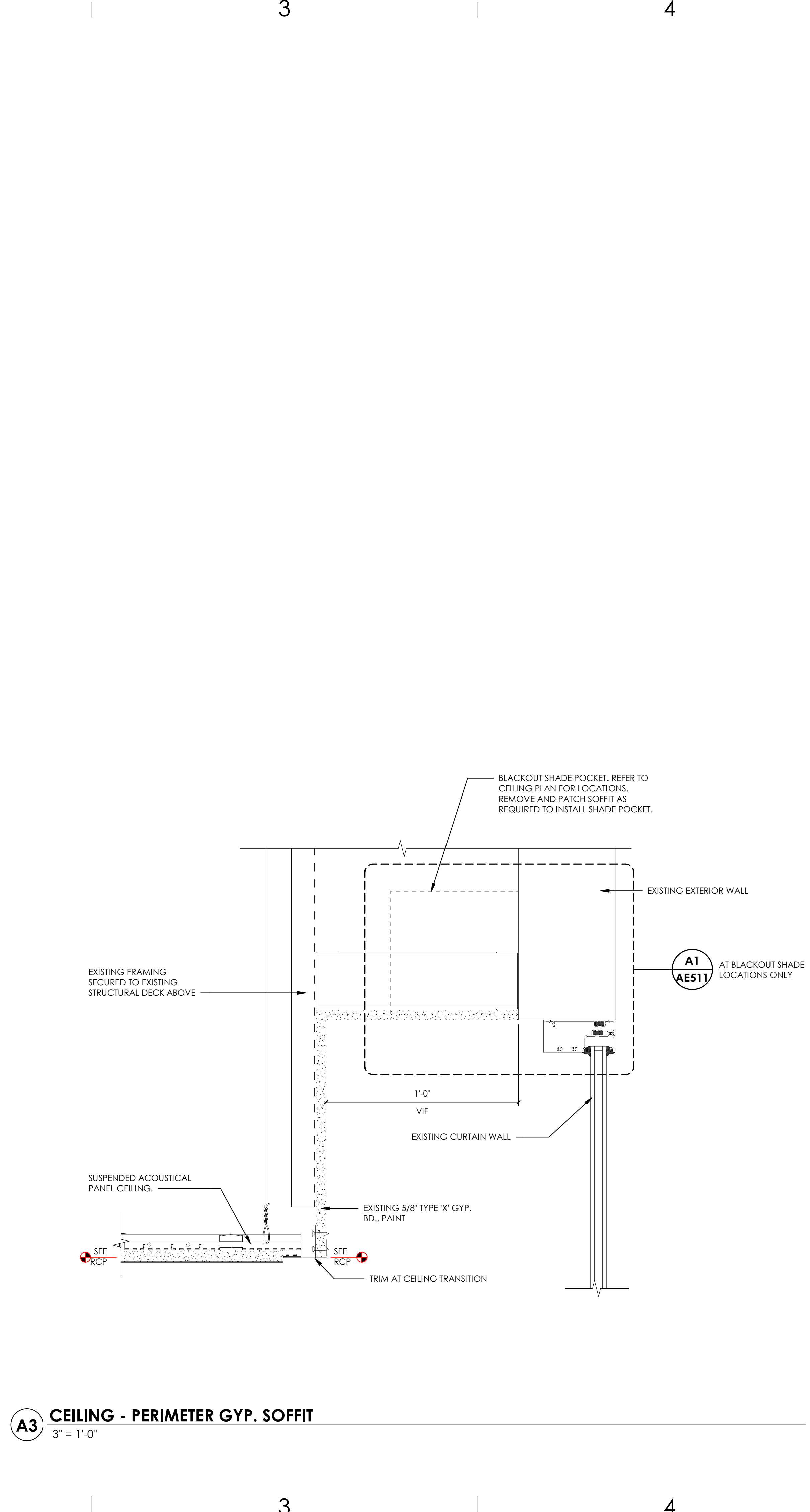
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**A1** CEILING - BLACKOUT SHADE POCKET  
 3" = 1'-0"



**A3** CEILING - PERIMETER GYP. SOFFIT  
 3" = 1'-0"

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KEY PRIVATE BANK  
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 SALT LAKE CITY, UT 84111

SHEET NAME:  
 DETAILS - CEILING

REVISIONS

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 CHECKED BY: Checker  
 PROJECT #: 1953

SHEET NUMBER:

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D

C

B

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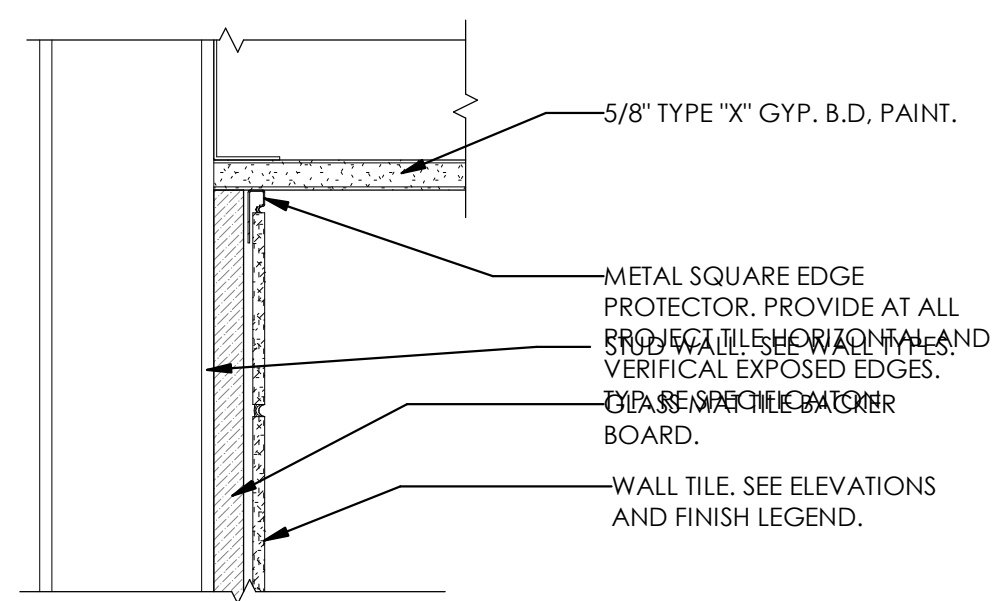
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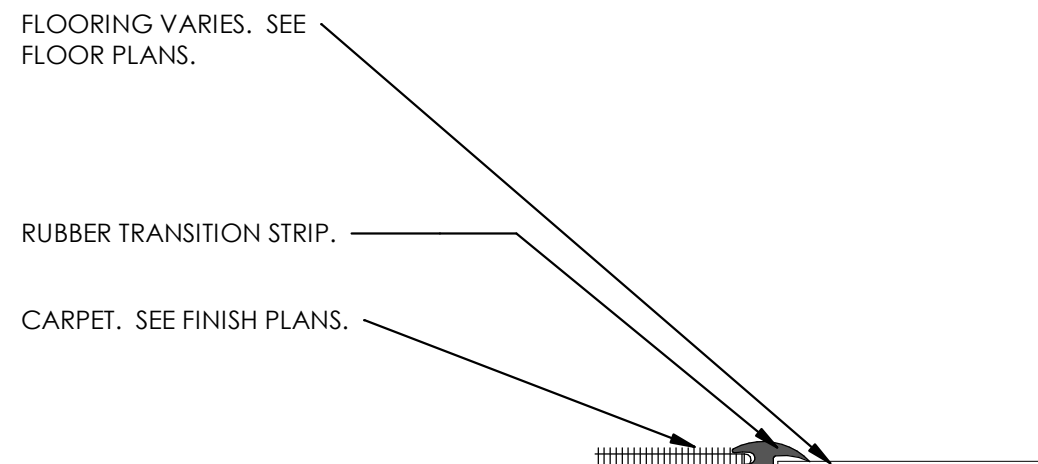
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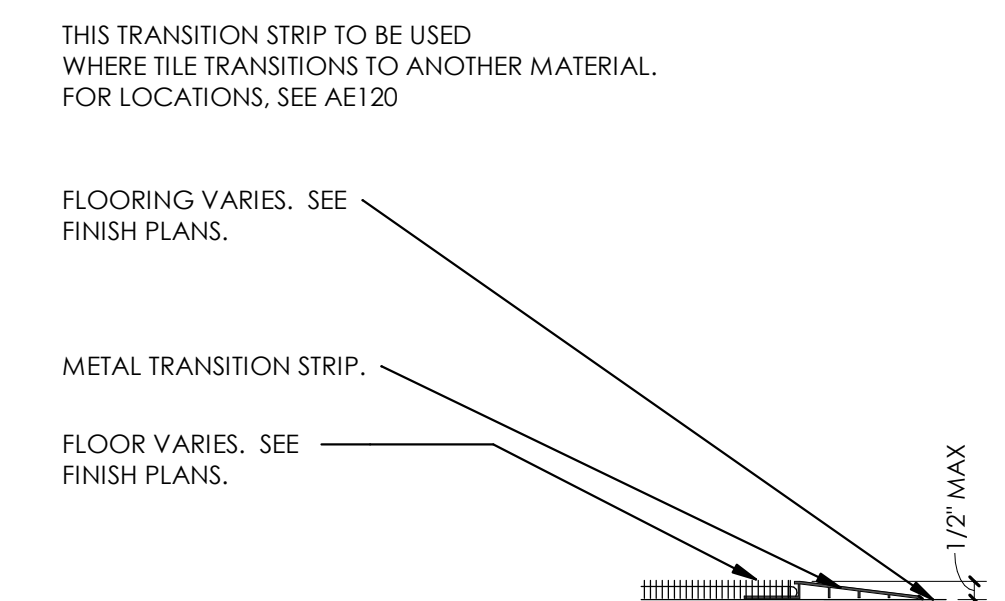
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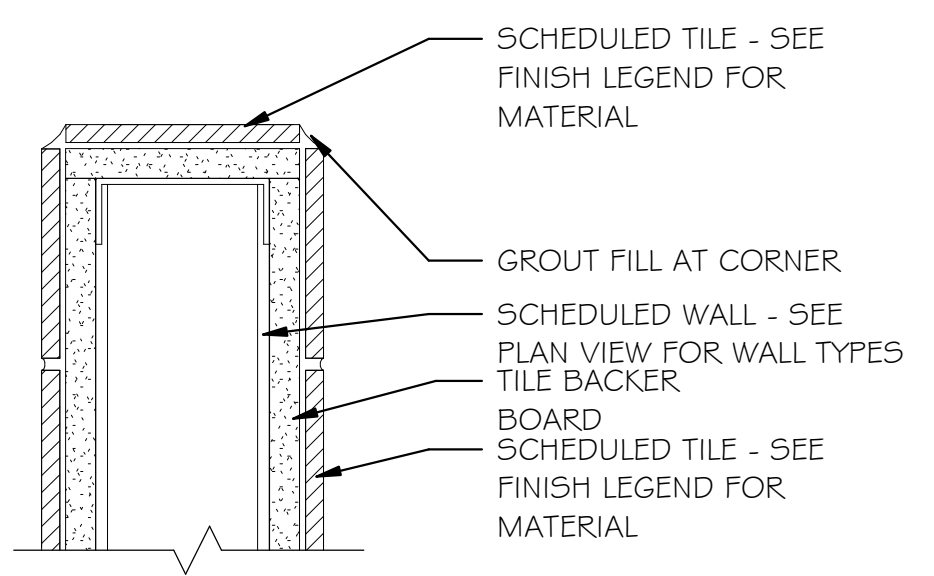
**D3** TILE TRANSITION INSIDE CORNER / CEILING  
3" = 1'-0"



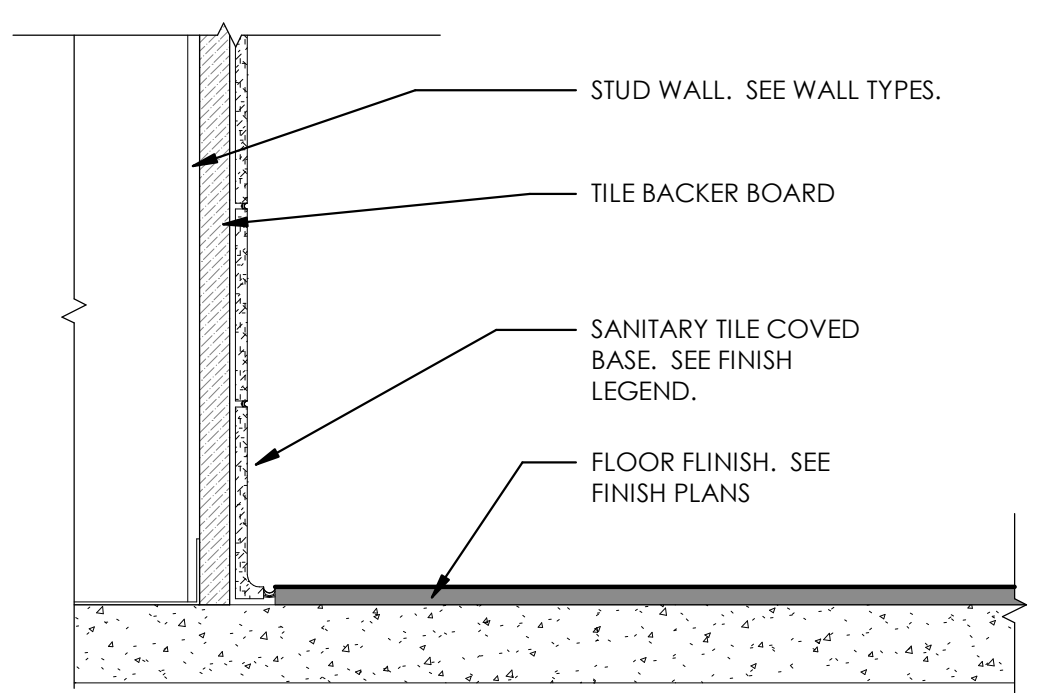
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3" = 1'-0"



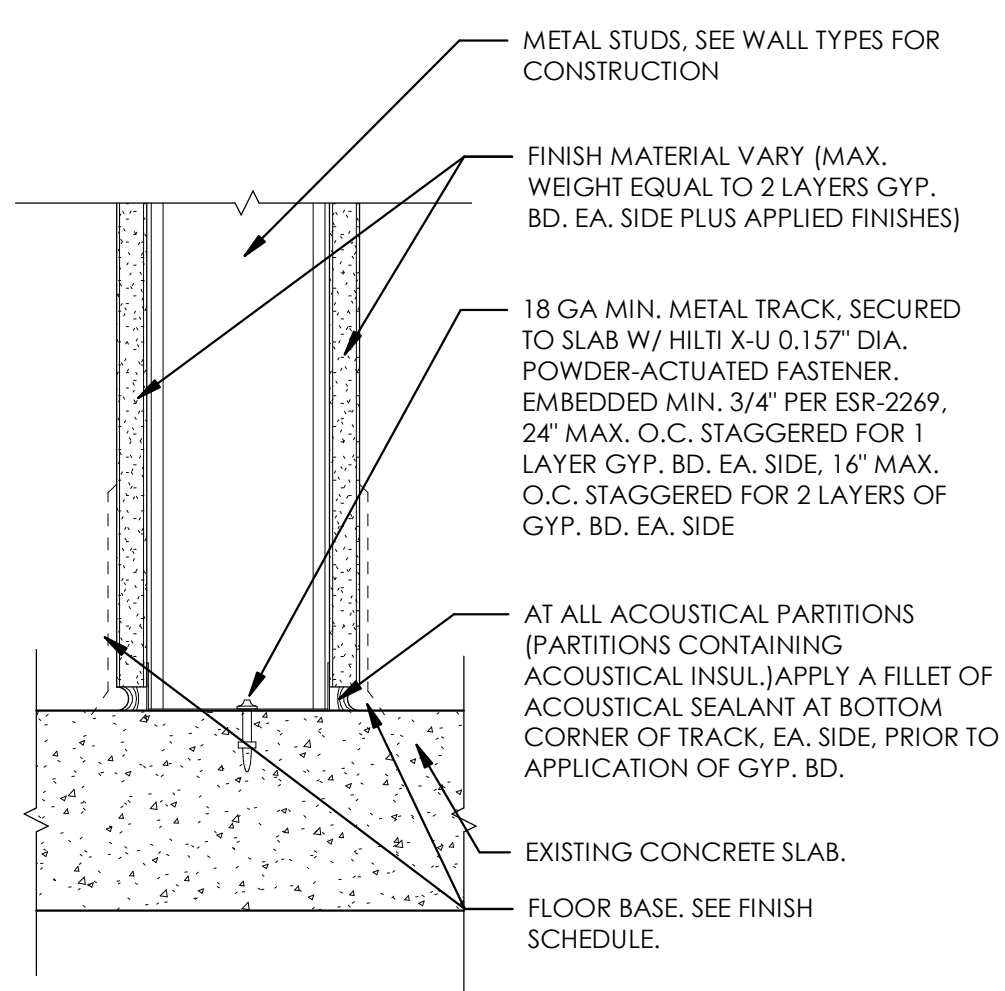
**D5** METAL TRANSITION STRIP  
3" = 1'-0"



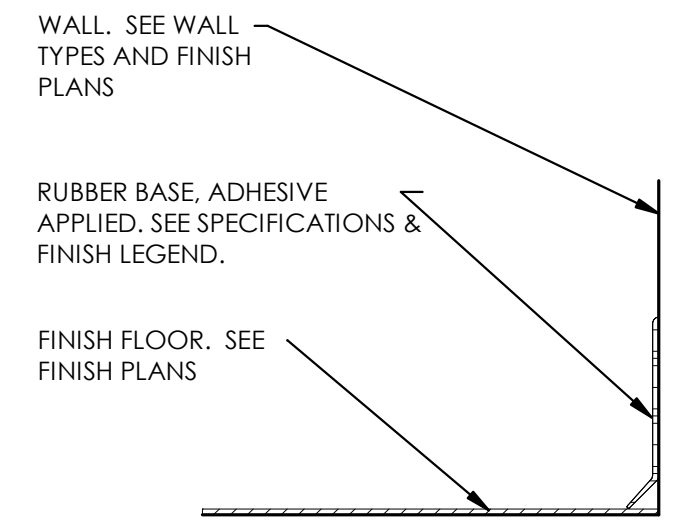
**C2** TILE TRANSITION AT OUTSIDE CORNER 1  
3" = 1'-0"



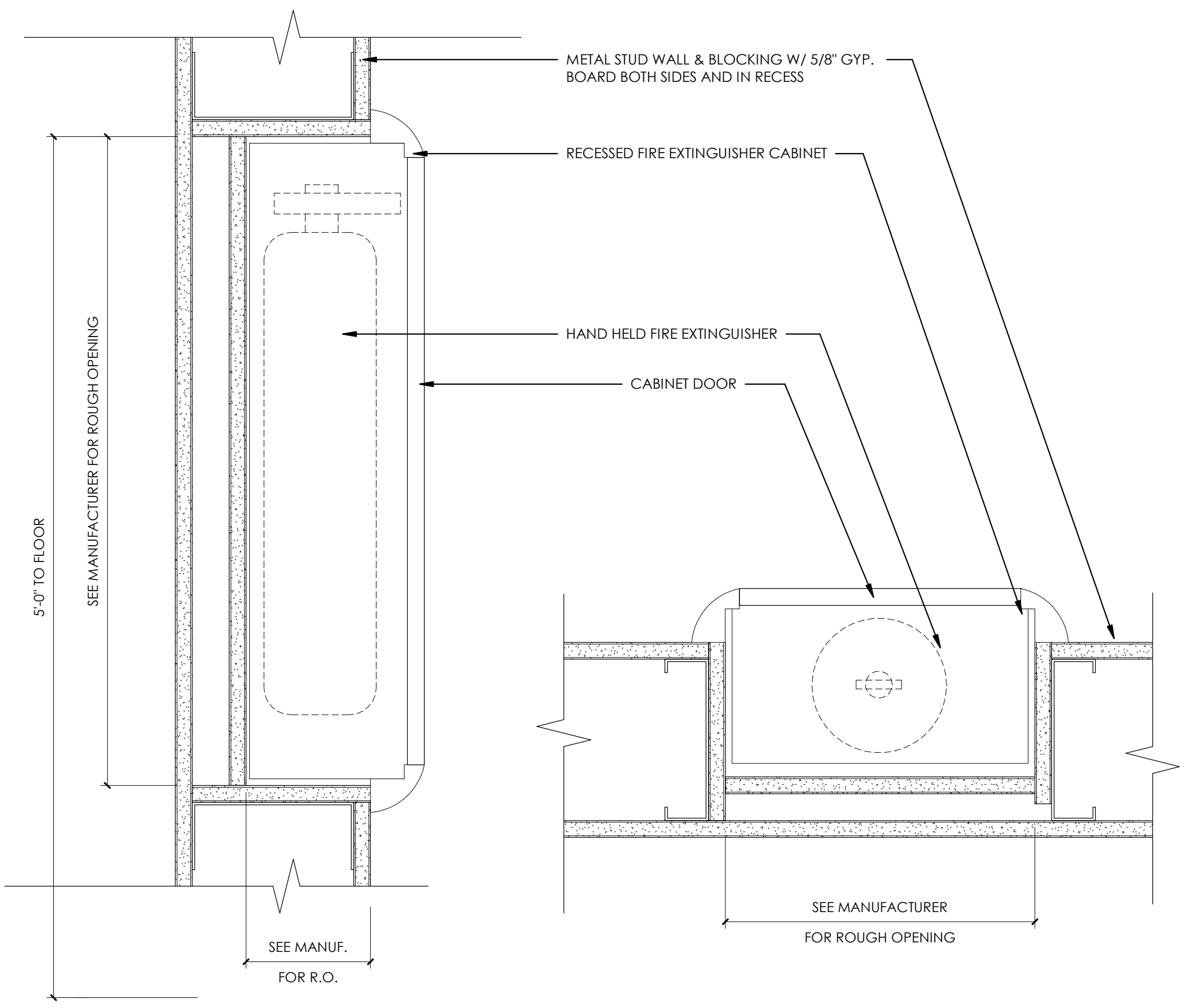
**C3** BASE - TILE  
3" = 1'-0"



**B2** TYP. FRAMED WALL BASE  
3" = 1'-0"

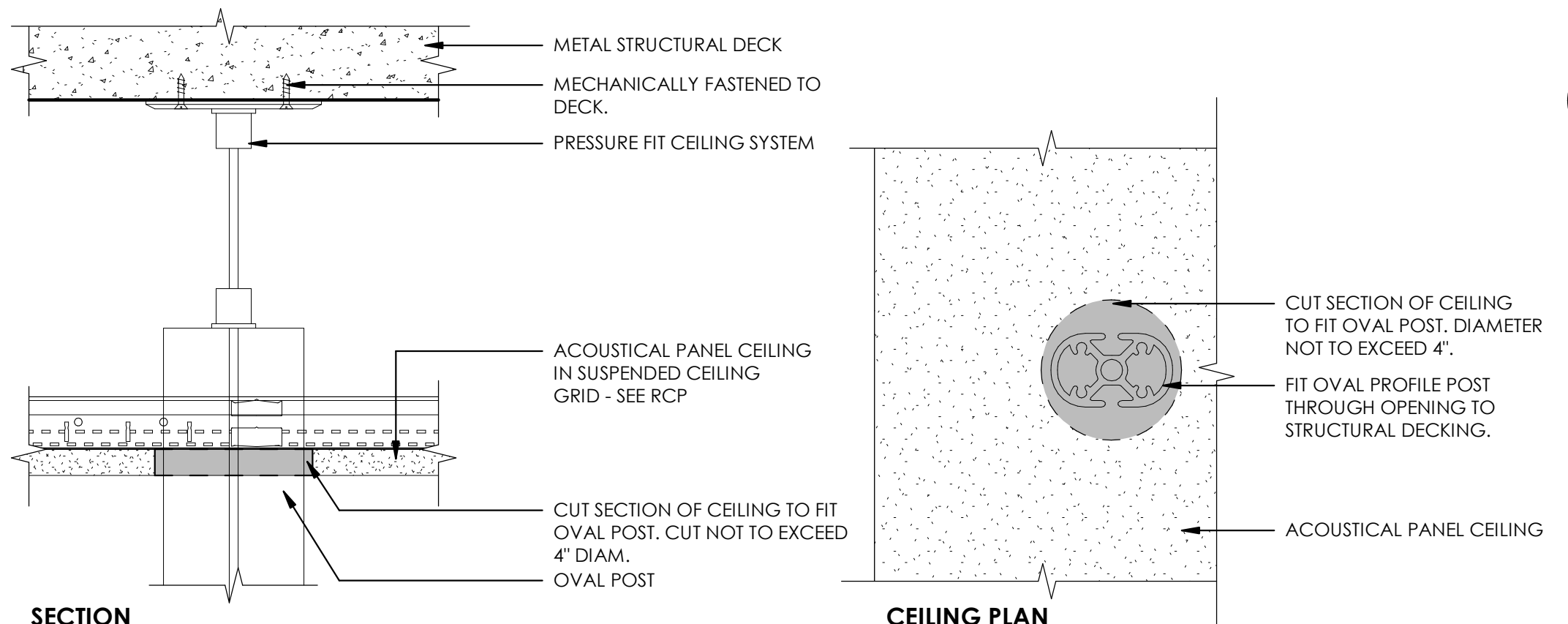


**B3** BASE - RUBBER  
3" = 1'-0"

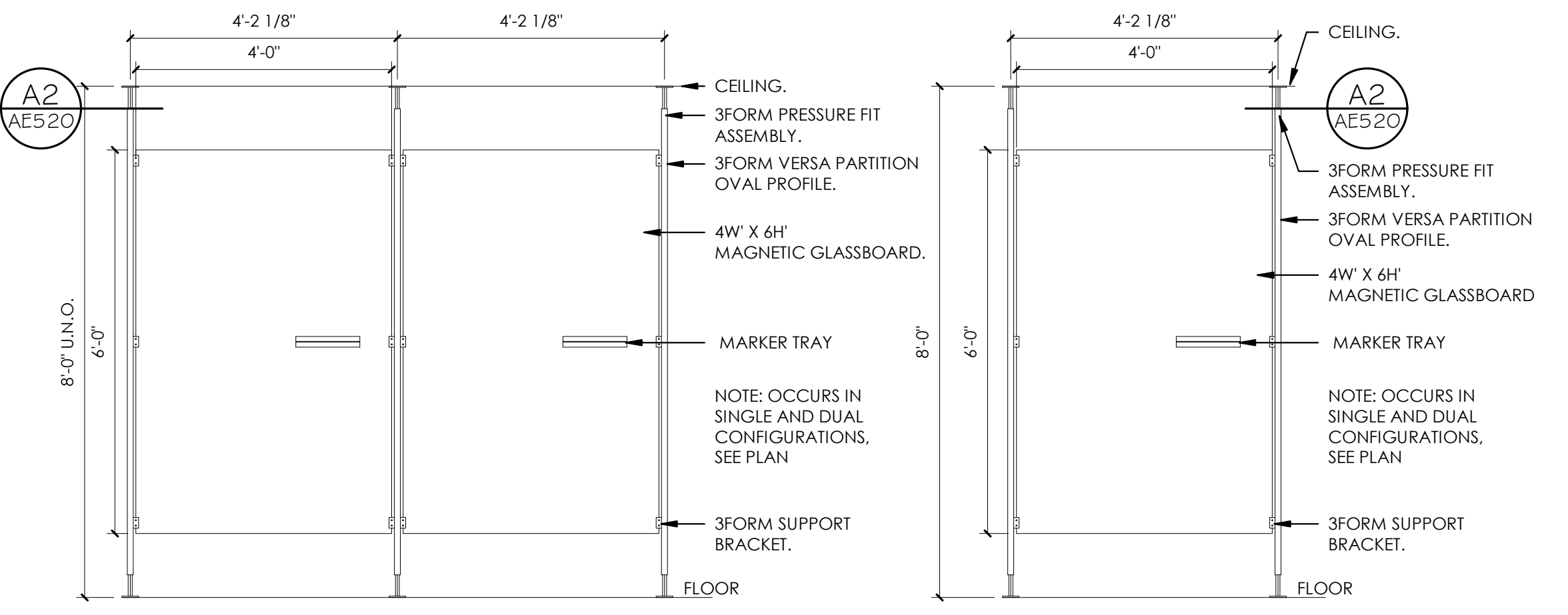


**B4** SEMI RECESSED FIRE EXTINGUISHER CABINET @ STUD WALL  
3" = 1'-0"

NOTES:  
 1. COORDINATE MODEL W/ DEPTH OF STUDS  
 2. GYPSUM BOARD TYPE AND REQUIRED LAYER(S) SHOULD MAINTAIN UL ASSEMBLY OF WALL TYPE.



**A2** HUDDLE BOARD PRESSURE FIT ASSEMBLY  
3" = 1'-0"



**A4** HUDDLE BOARD - DOUBLE  
1/2" = 1'-0"

**A5** HUDDLE BOARD - SINGLE  
1/2" = 1'-0"

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PROJECT DESCRIPTION  
 INTERMOUNTAIN HEALTHCARE LEVEL 09 TI

KEY PRIVATE BANK  
 CITY CREEK CENTER  
 36 SOUTH STATE STREET  
 SALT LAKE CITY, UT 84111

SHEET NAME:  
 DETAILS - FINISHES & MISC.

REVISIONS	MARK	DATE	DESCRIPTION

ISSUE DATE: 03/26/2020  
 ISSUE TYPE: CD PERMIT SET  
 DRAWN BY: KL & SR  
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 PROJECT#: 1953

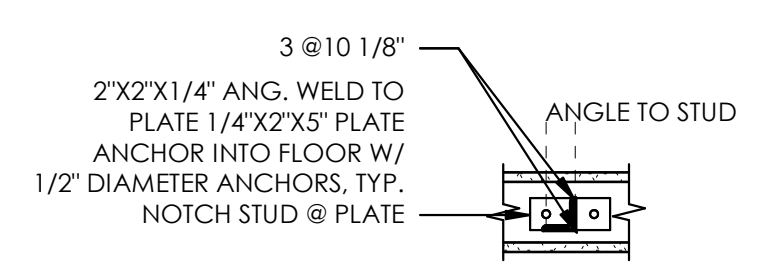
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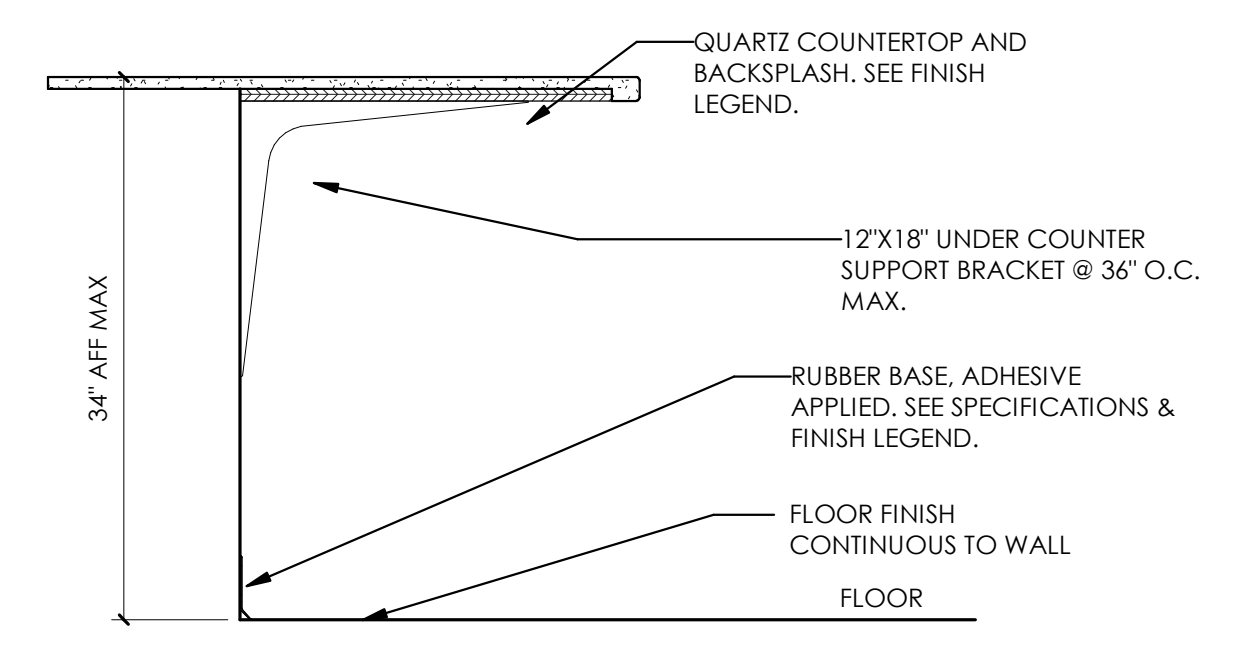
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D  
C  
B  
A

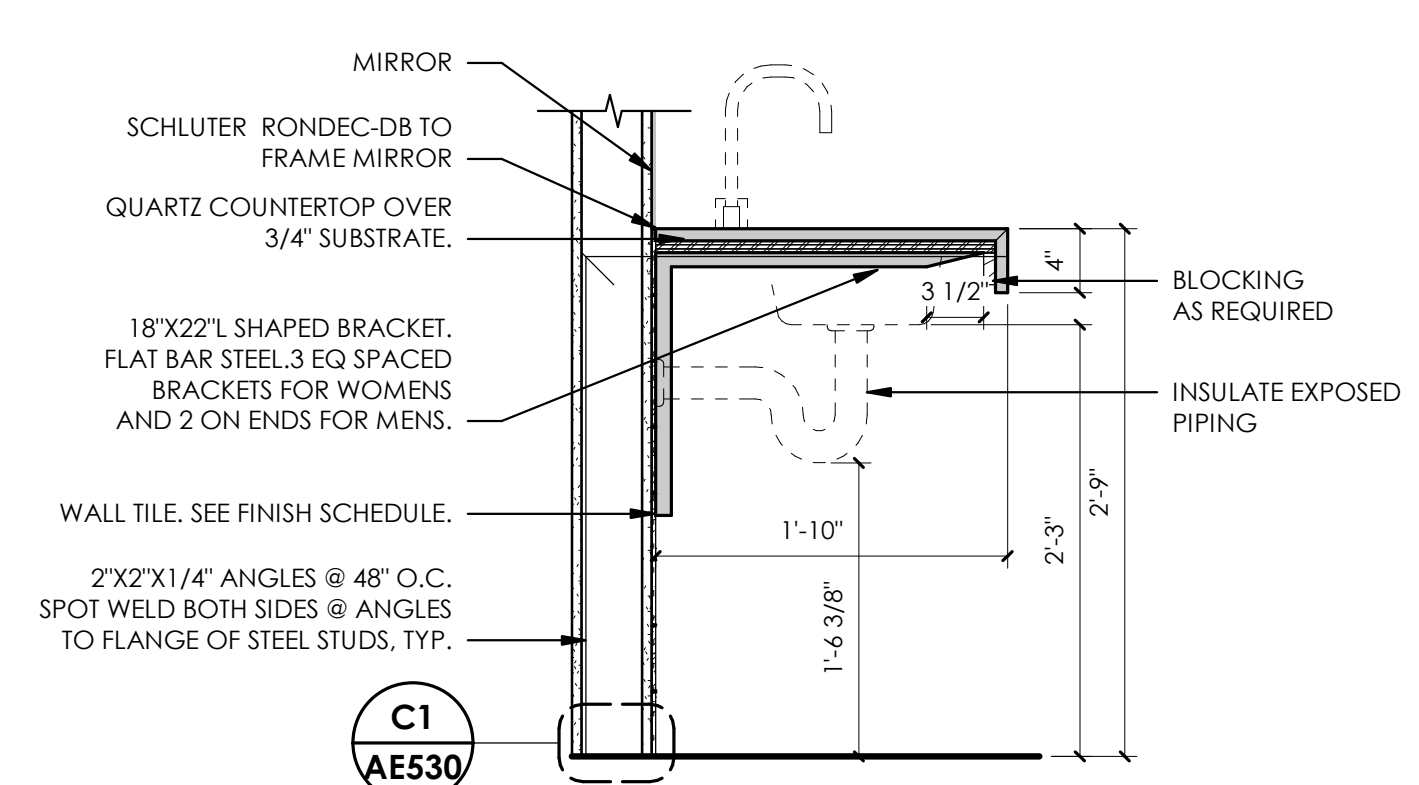
**C1 WALL - COUNTERTOP ANCHOR DETAIL**  
1" = 1'-0"



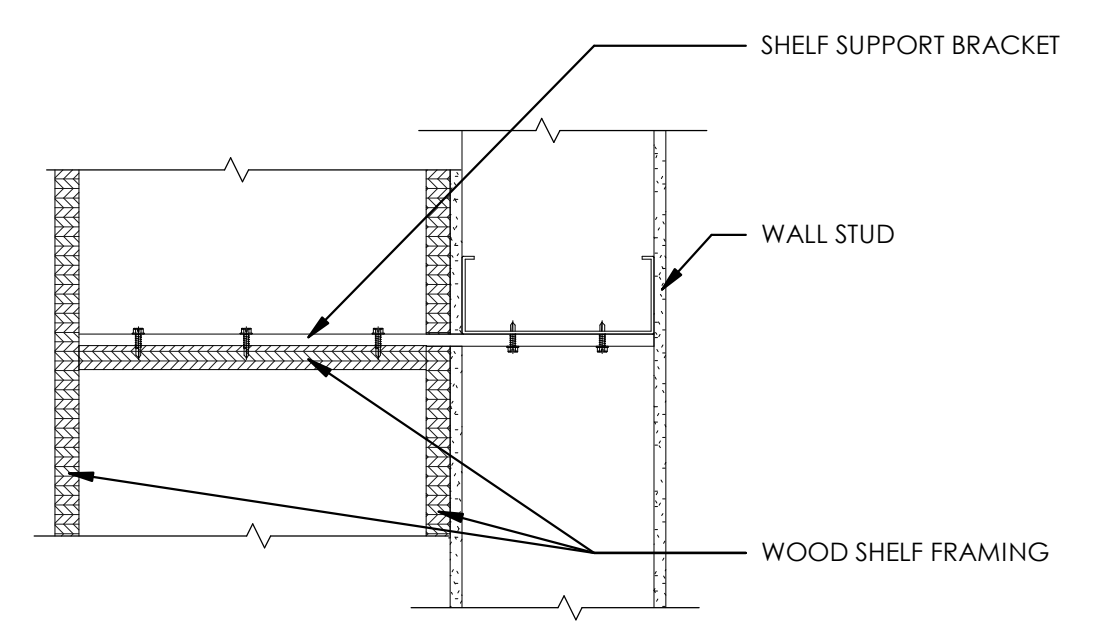
**B1 CABINET - COUNTERTOP**  
1" = 1'-0"



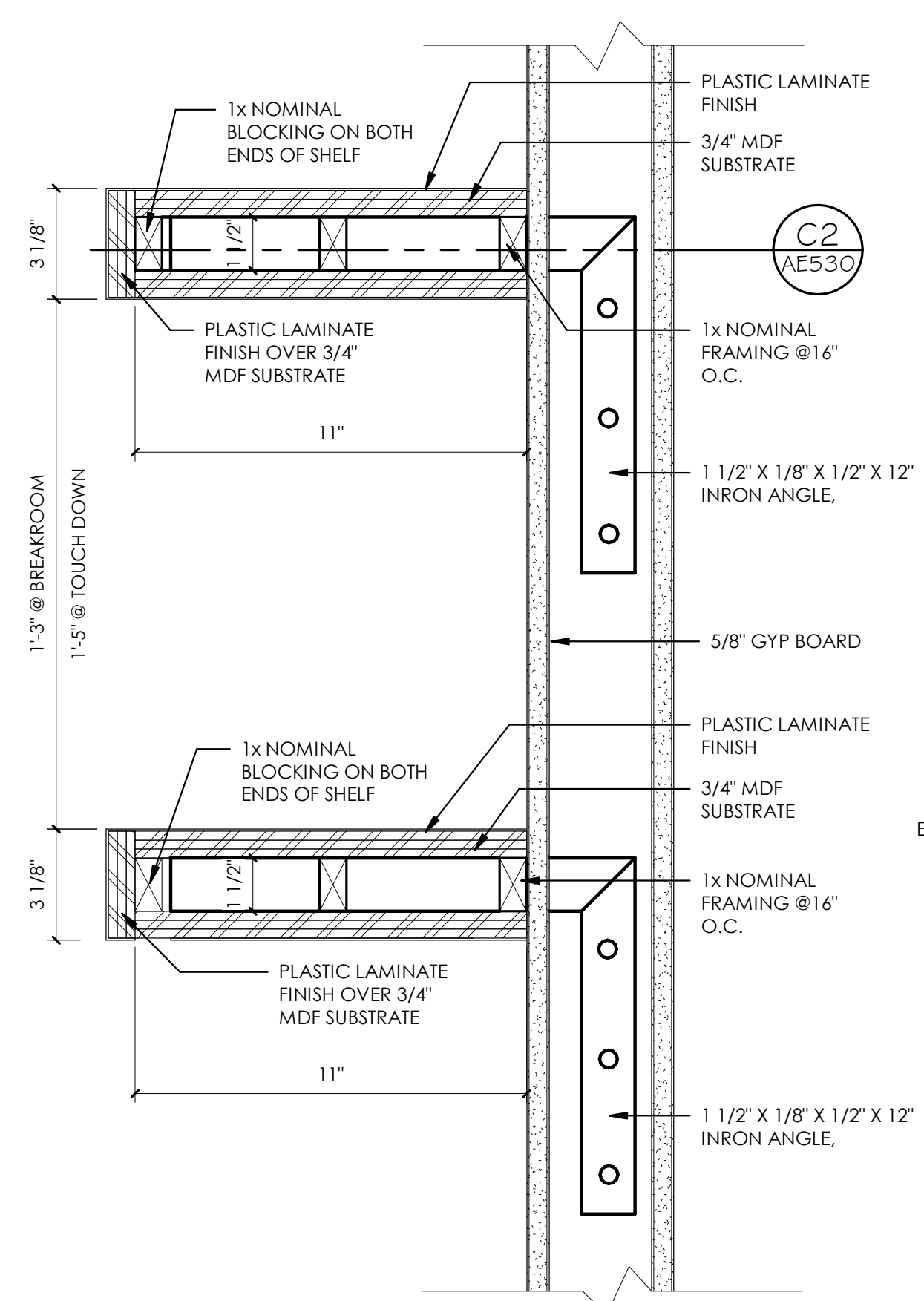
**A1 WALL - WALL MOUNTED COUNTERTOP**  
1" = 1'-0"



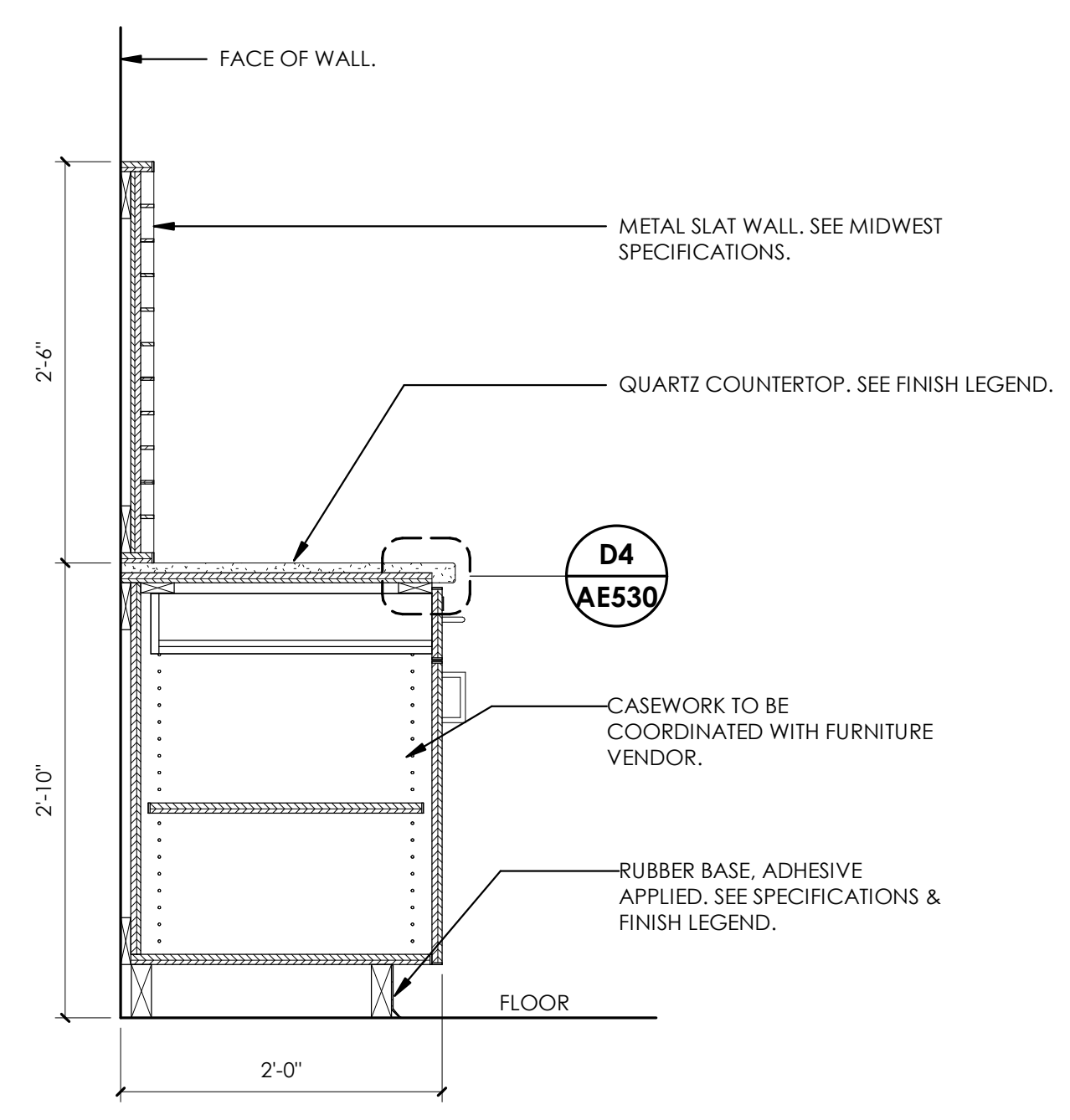
**C2 FLOATING SHELF SECTION**  
3' = 1'-0"



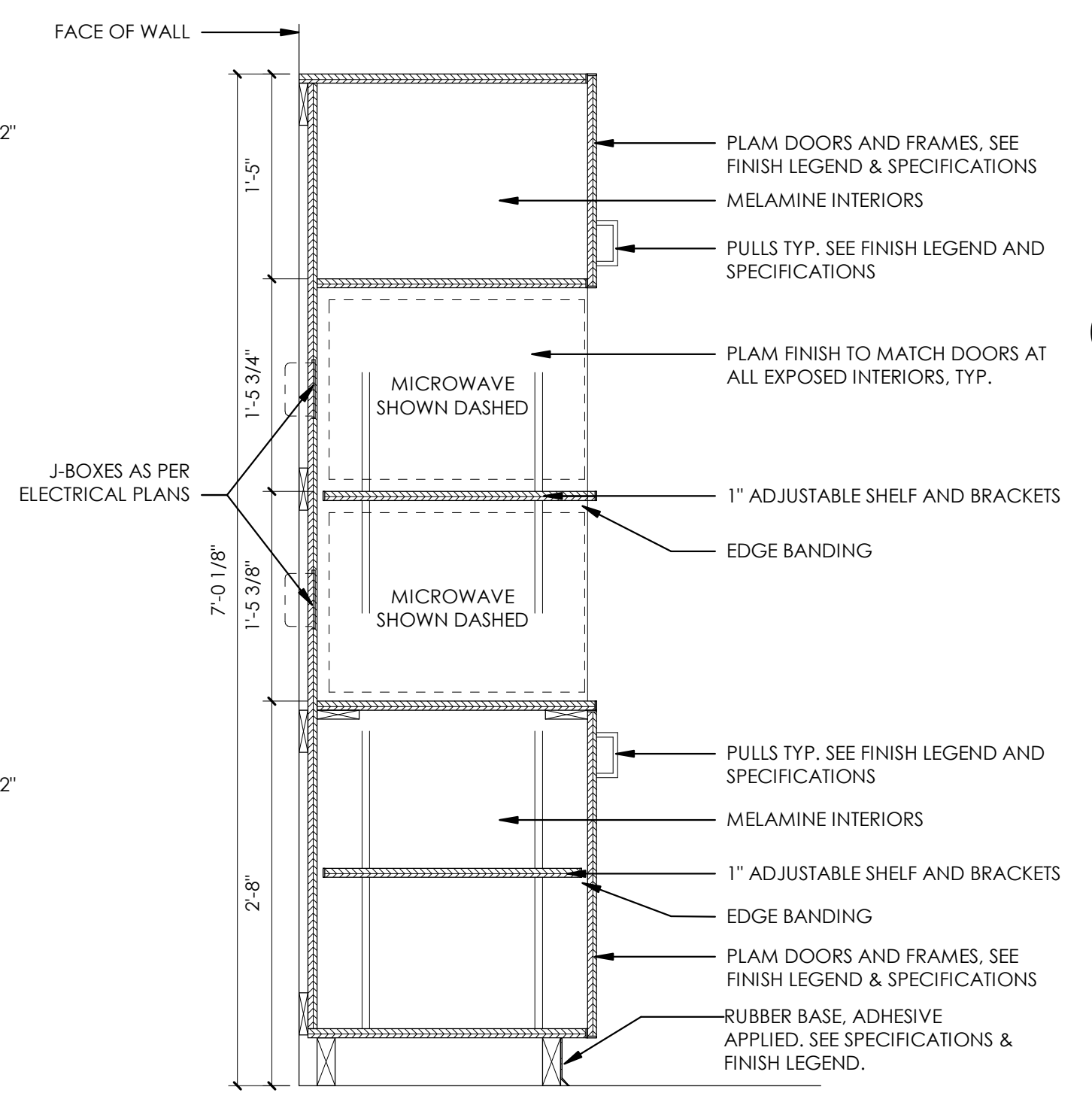
**A2 FLOATING SHELF DETAIL**  
3' = 1'-0"



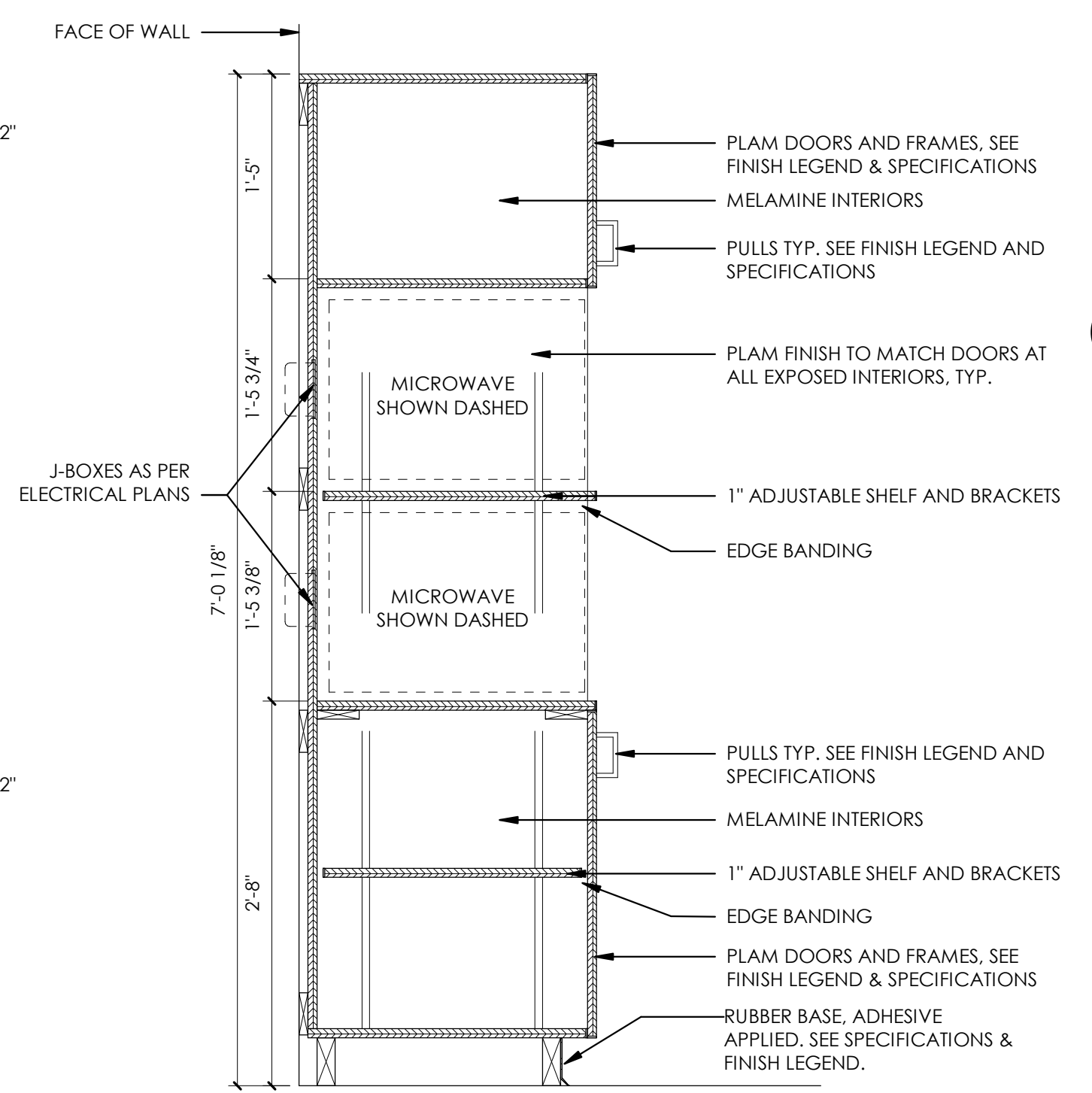
**D4 CABINET - SOLID SURFACE NOSING**  
6" = 1'-0"



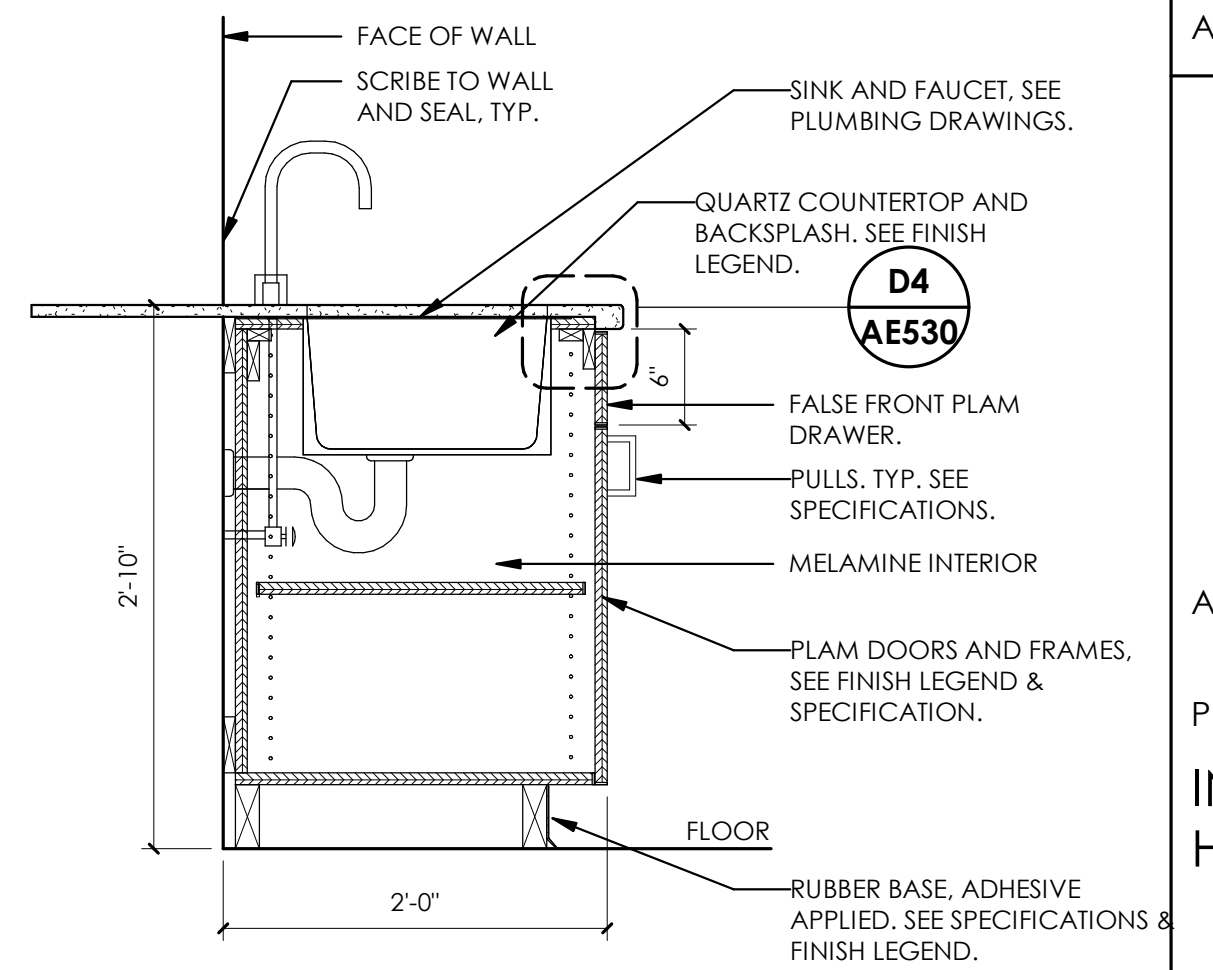
**B4 CABINET - MAIL ROOM**  
1" = 1'-0"



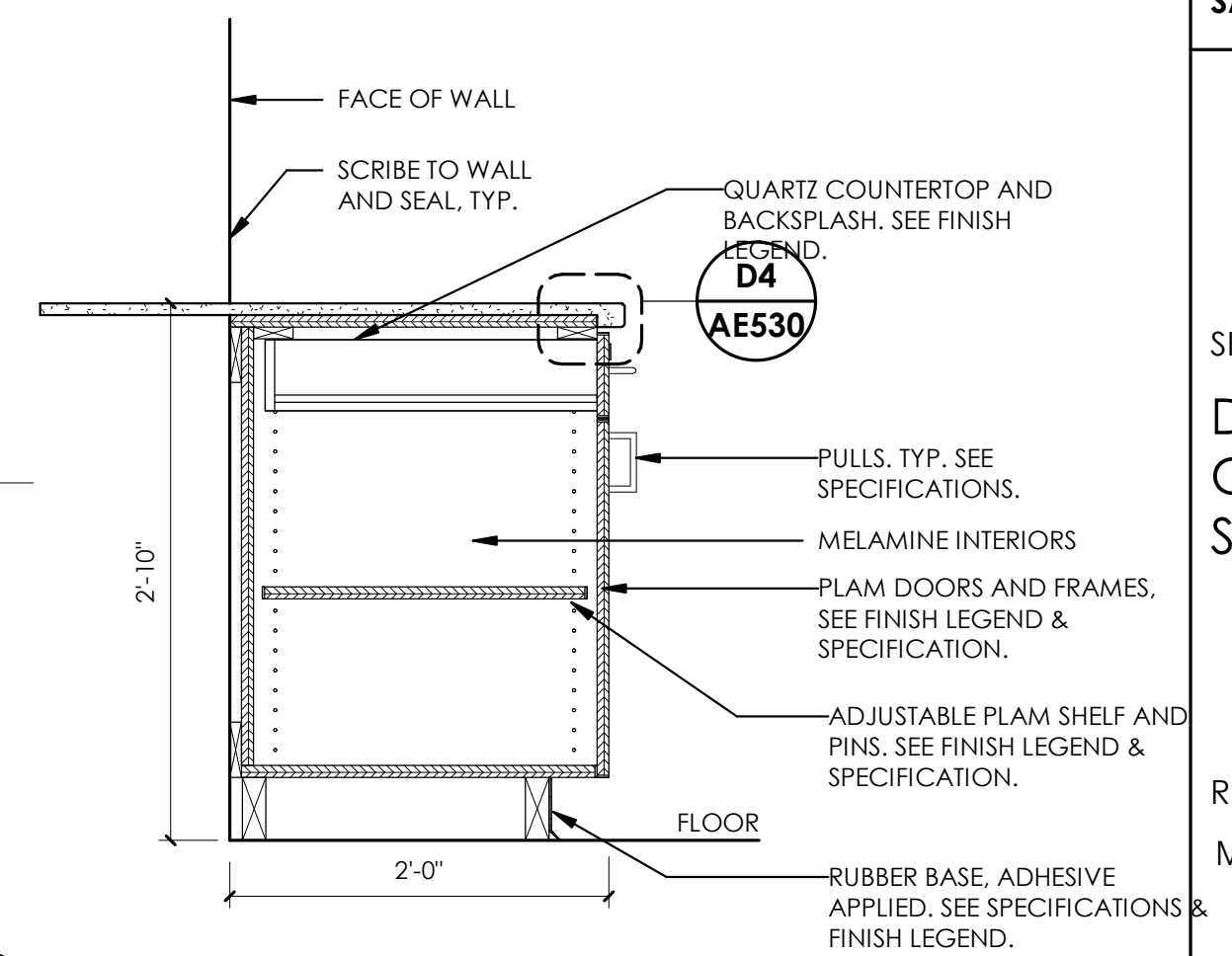
**A4 CABINET - MICROWAVE UNIT**  
1" = 1'-0"



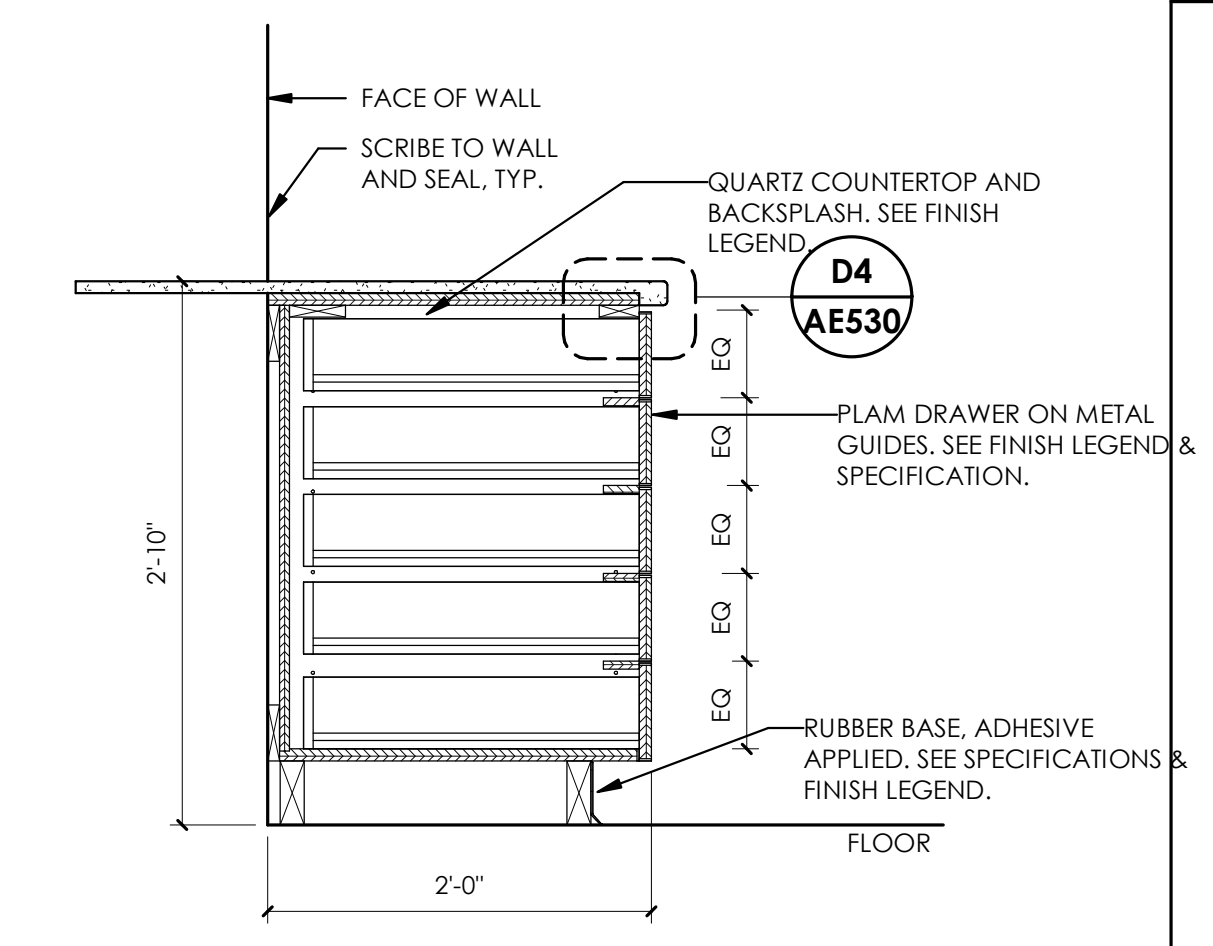
**D5 CABINET - UPPER - REFRIGERATOR**  
1" = 1'-0"



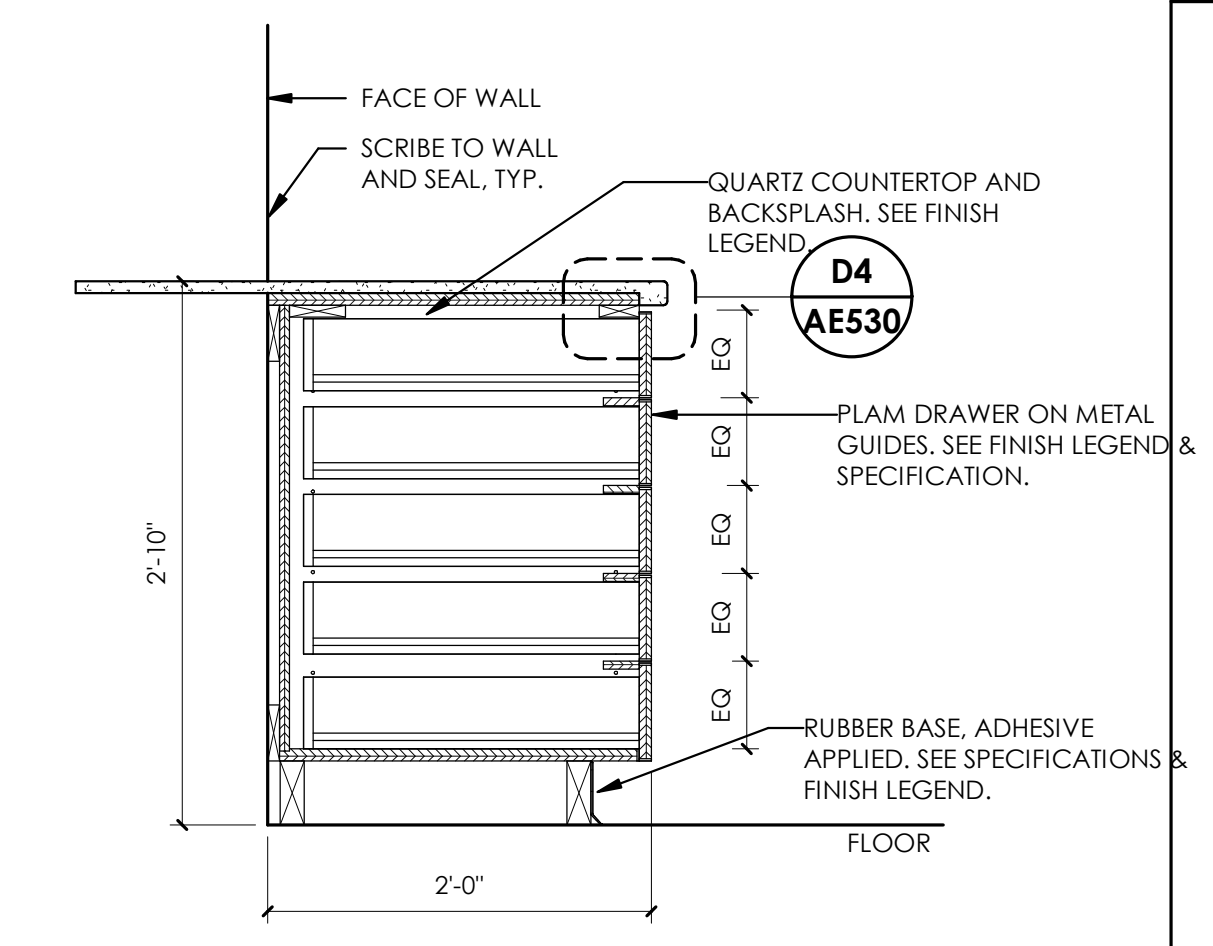
**C5 CABINET - SINK BASE**  
1" = 1'-0"



**B5 CABINET - BASE**  
1" = 1'-0"



**A5 CABINET - 5 DRAWER BASE**  
1" = 1'-0"



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PROJECT DESCRIPTION  
INTERMOUNTAIN  
HEALTHCARE LEVEL 09 TI

KEY PRIVATE BANK  
CITY CREEK CENTER  
36 SOUTH STATE STREET  
SALT LAKE CITY, UT 84111

SHEET NAME:  
DETAILS - CASEWORK,  
COUNTER TOPS,  
SHELVES & BASE

REVISIONS  
MARK DATE DESCRIPTION

ISSUE DATE: 03/26/2020  
ISSUE TYPE: CD PERMIT SET  
DRAWN BY: KL & SR  
CHECKED BY: K. RIGBY  
PROJECT#: 1953

SHEET NUMBER:

**AE530**

3/29/2020 8:11:00 PM \\ajccorps04c11\users\jheppier\Documents\1953 IHC KBT Level 09 CENTRAL\19\_jheppier.rvt  
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C

B

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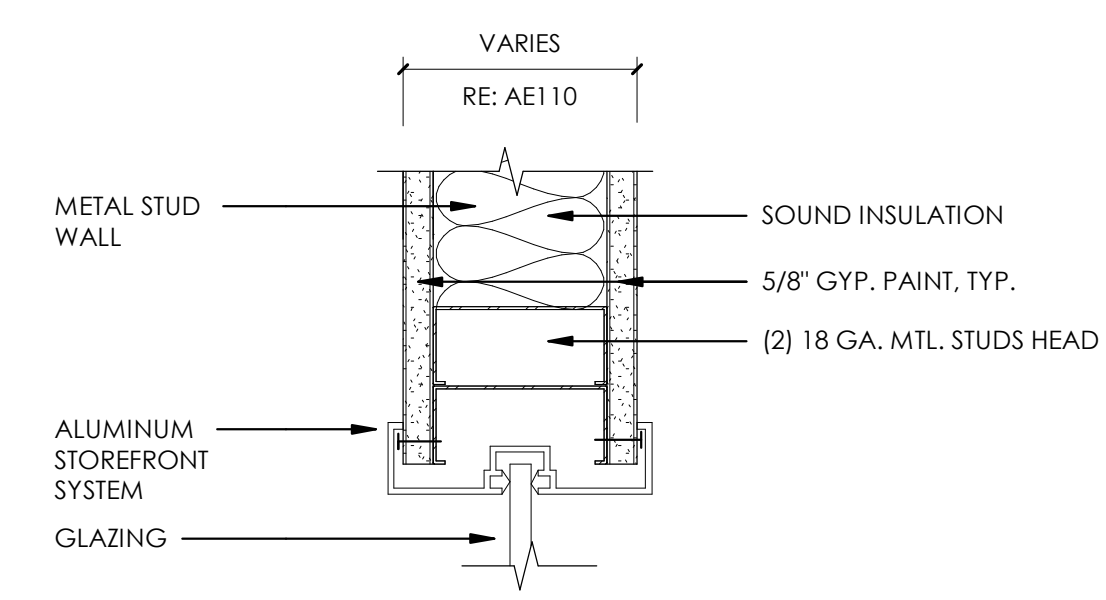
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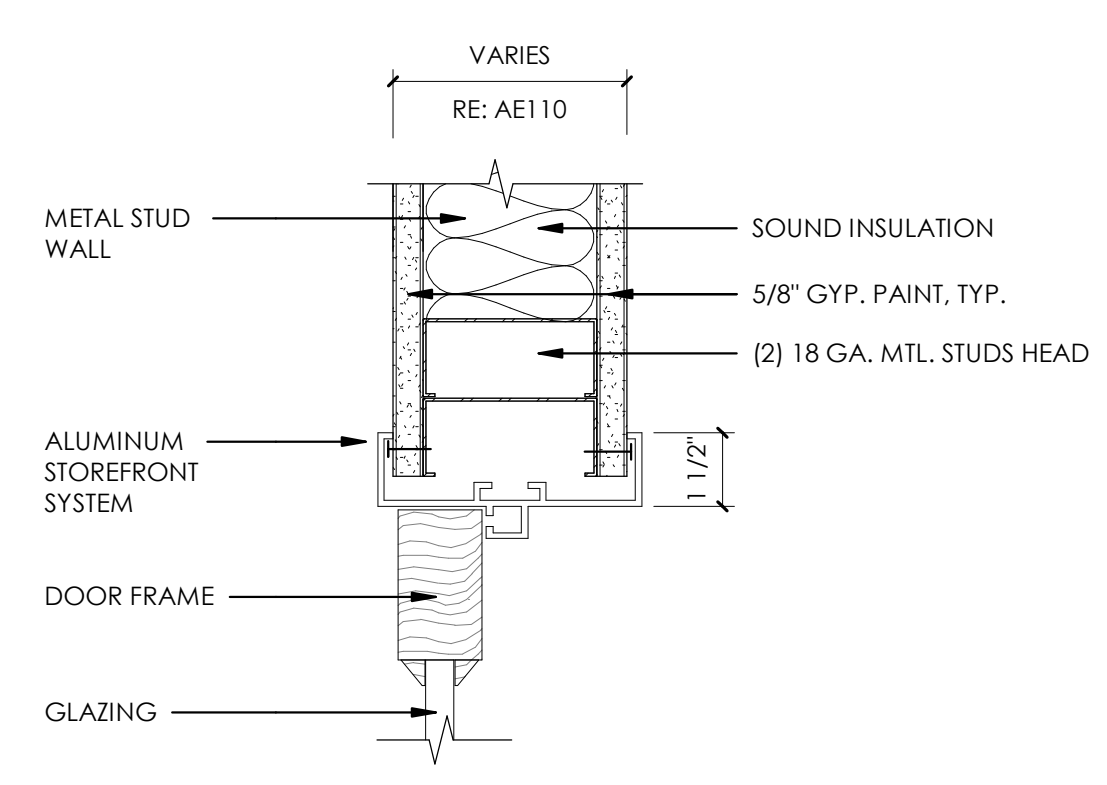
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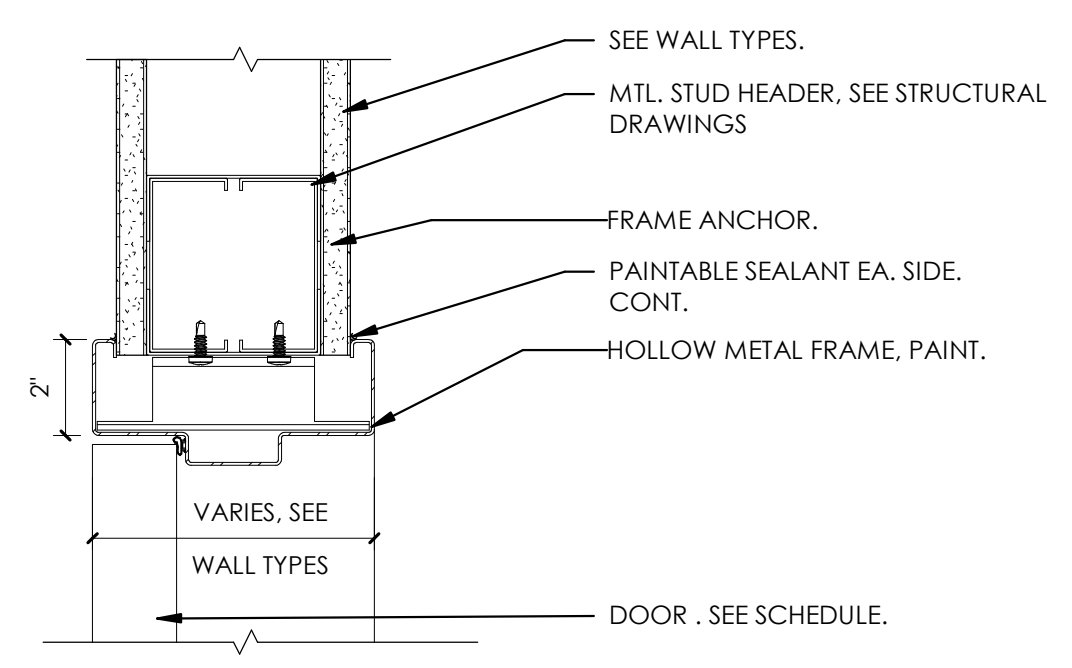
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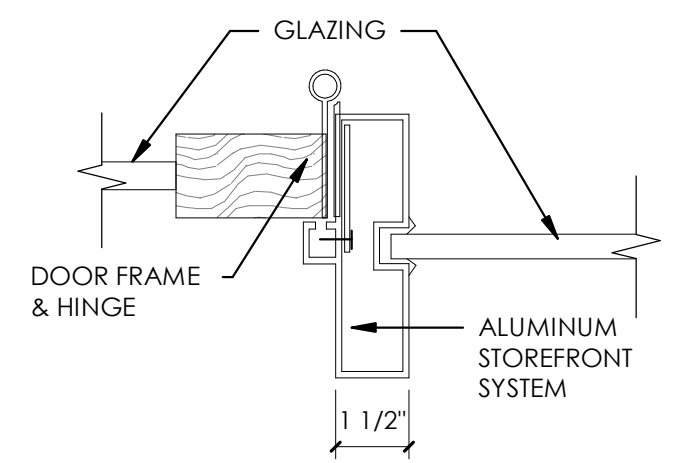
**D4 STOREFRONT - HEAD @ GYP BD.**  
3" = 1'-0"



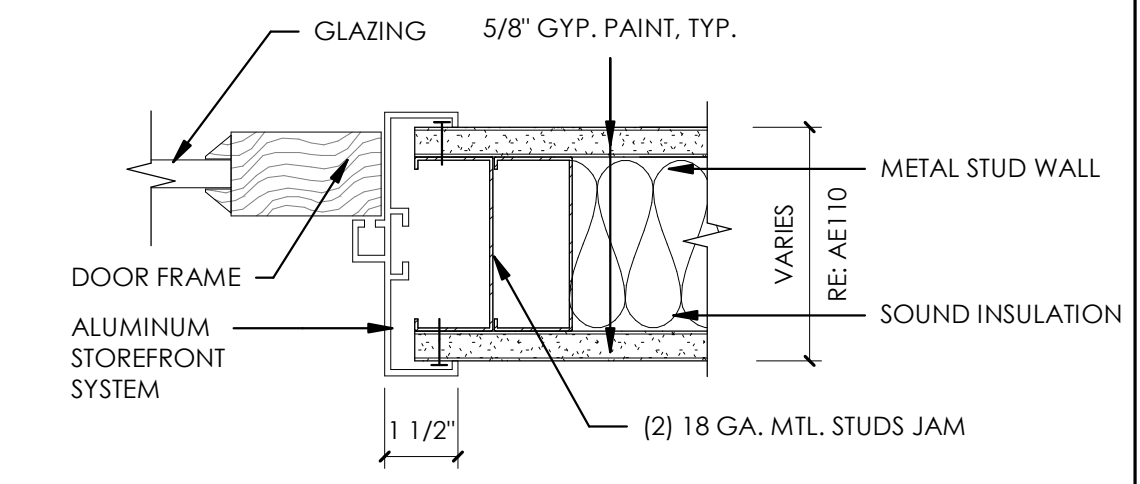
**D5 DOOR - STOREFRONT HEAD @ GYP BD**  
3" = 1'-0"



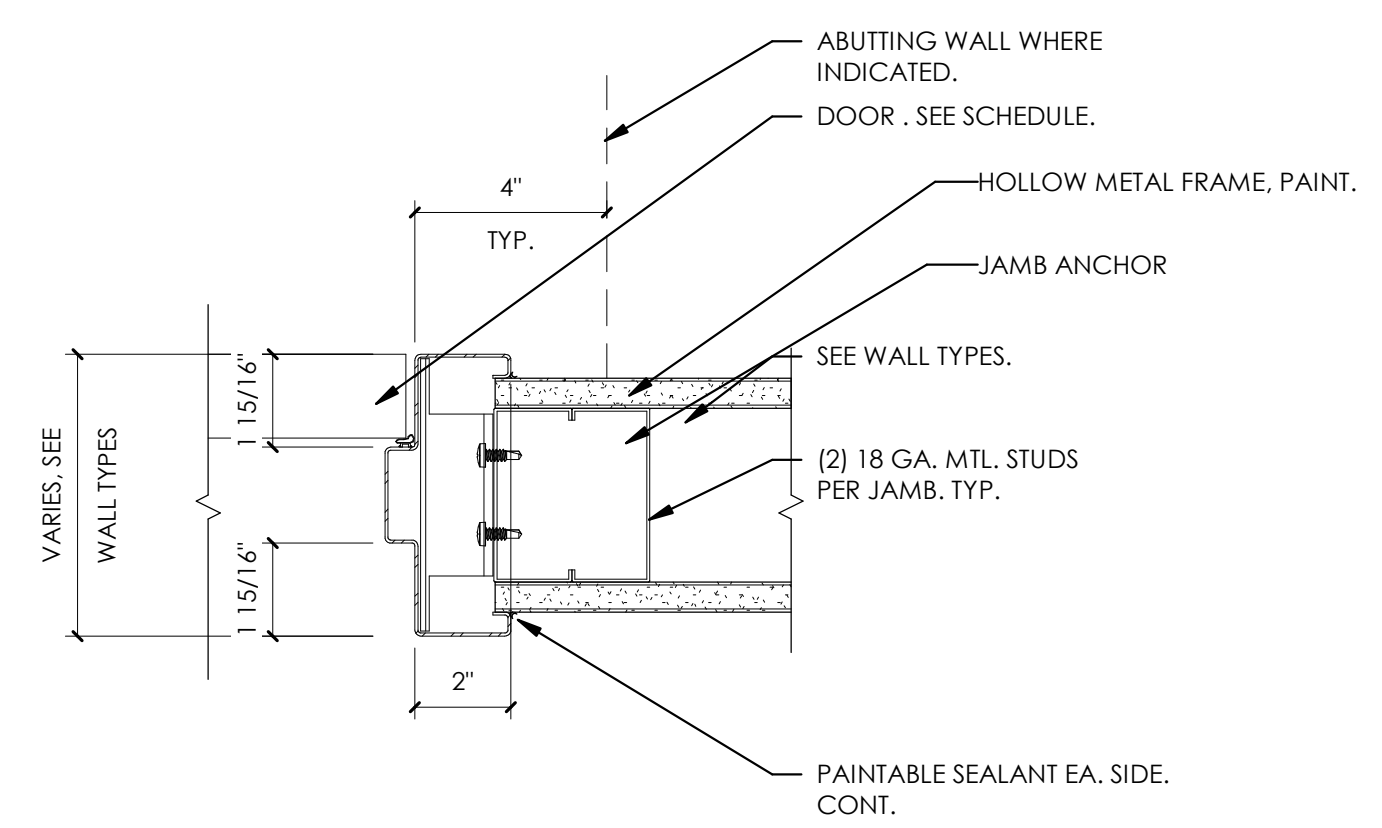
**C3 DOOR - HM HEAD @ GYP BD**  
3" = 1'-0"



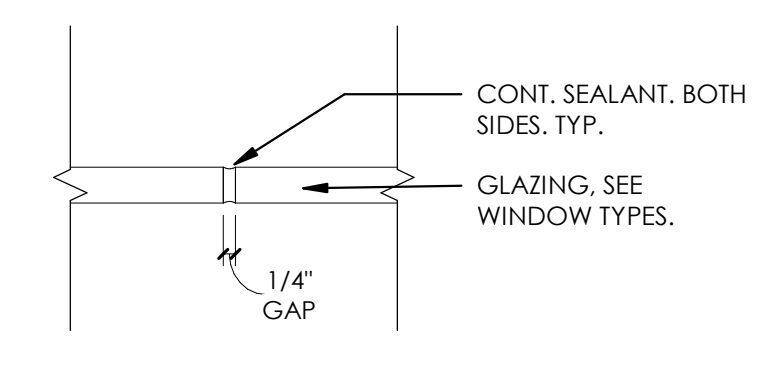
**C4 DOOR - STOREFRONT JAMB**  
3" = 1'-0"



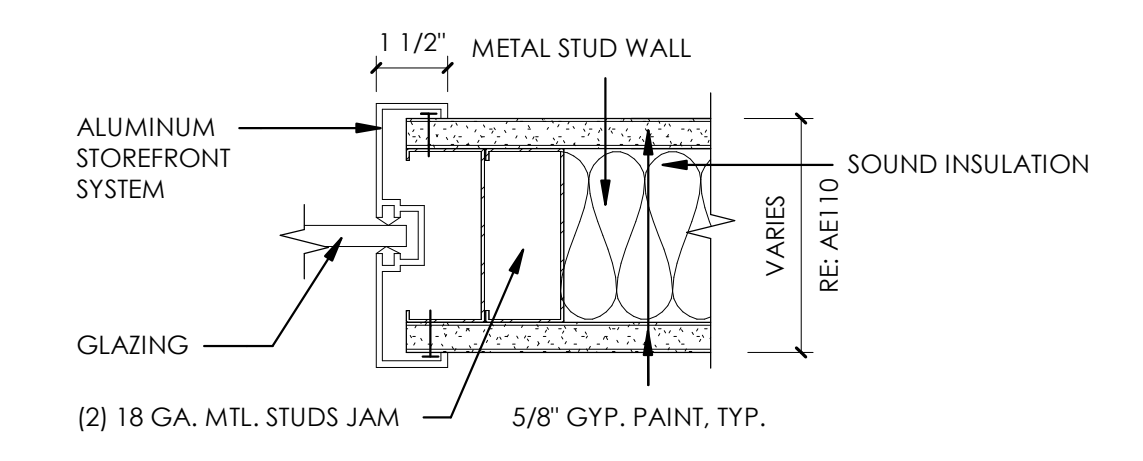
**C5 DOOR - STOREFRONT JAMB @ GYP BD**  
3" = 1'-0"



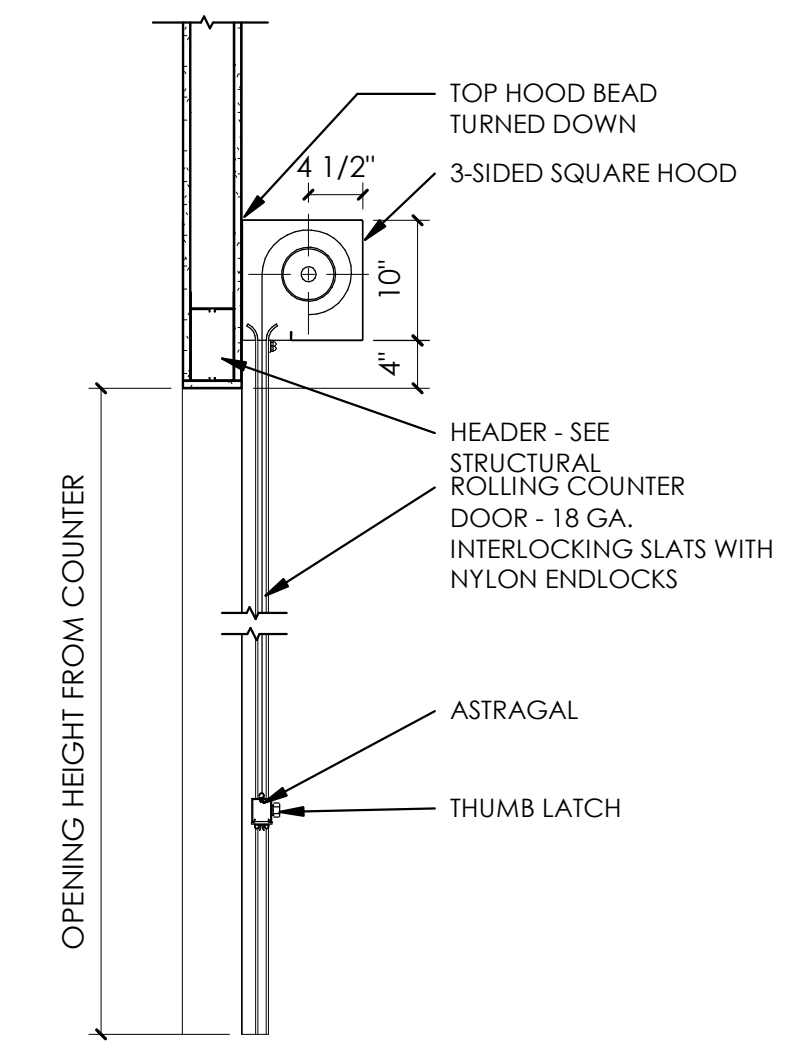
**B3 DOOR - HM JAMB @ GYP BD**  
3" = 1'-0"



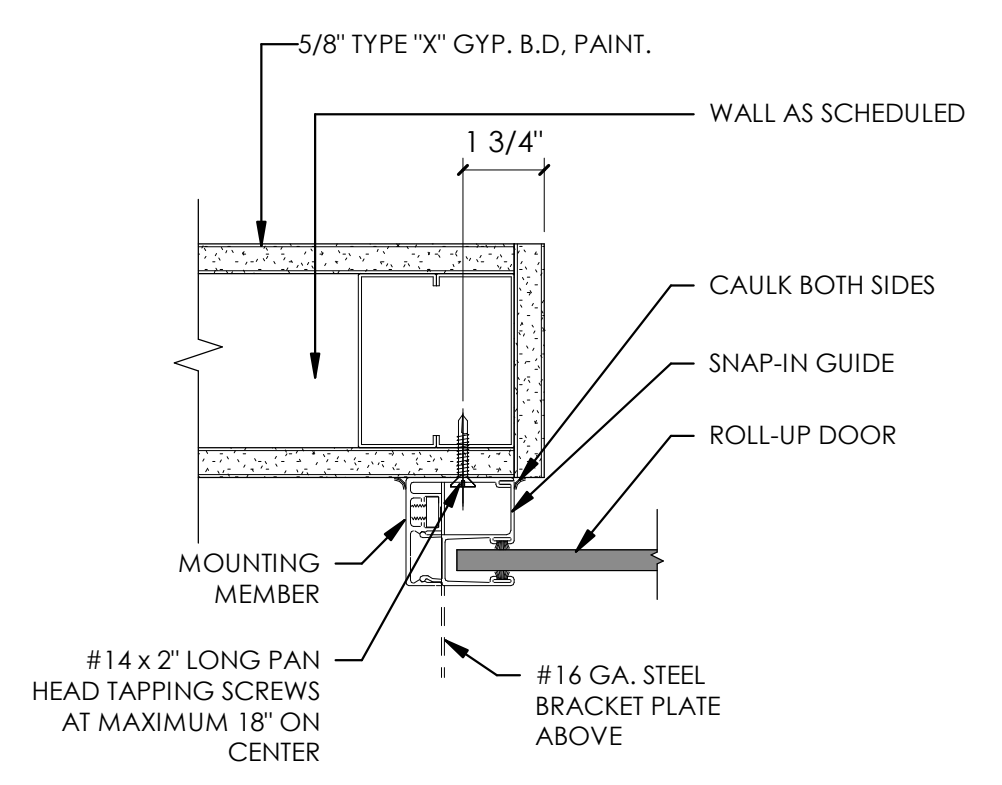
**B4 INTERIOR OFFICE-FRONT - BUTT GLAZING**  
3" = 1'-0"



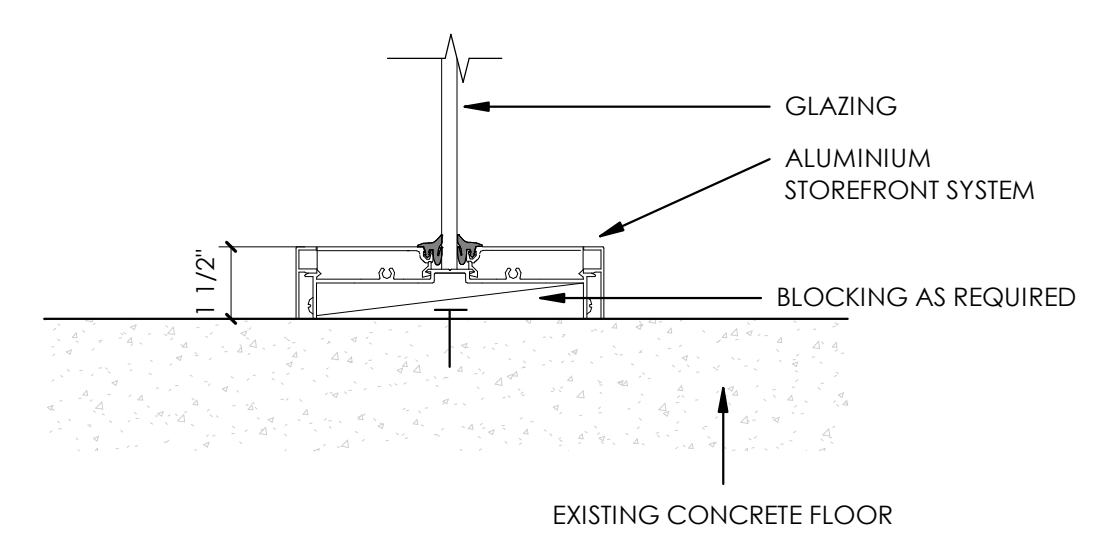
**B5 STOREFRONT- JAMB @ GYP BD**  
3" = 1'-0"



**A3 ROLL-UP COUNTER DOOR - HEAD**  
3/4" = 1'-0"



**A4 ROLL-UP COUNTER DOOR - JAMB**  
3" = 1'-0"



**A5 INTERIOR OFFICE-FRONT - MULLION SILL**  
3" = 1'-0"

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PROJECT DESCRIPTION  
INTERMOUNTAIN  
HEALTHCARE LEVEL 09 TI

KEY PRIVATE BANK  
CITY CREEK CENTER  
36 SOUTH STATE STREET  
SALT LAKE CITY, UT 84111

SHEET NAME:  
DETAILS - DOOR &  
WINDOW

REVISIONS

MARK	DATE	DESCRIPTION

ISSUE DATE: 03/26/2020  
ISSUE TYPE: CD PERMIT SET  
DRAWN BY: KL & SR  
CHECKED BY: K. RIGBY  
PROJECT#: 1953

SHEET NUMBER:

**AE540**

1

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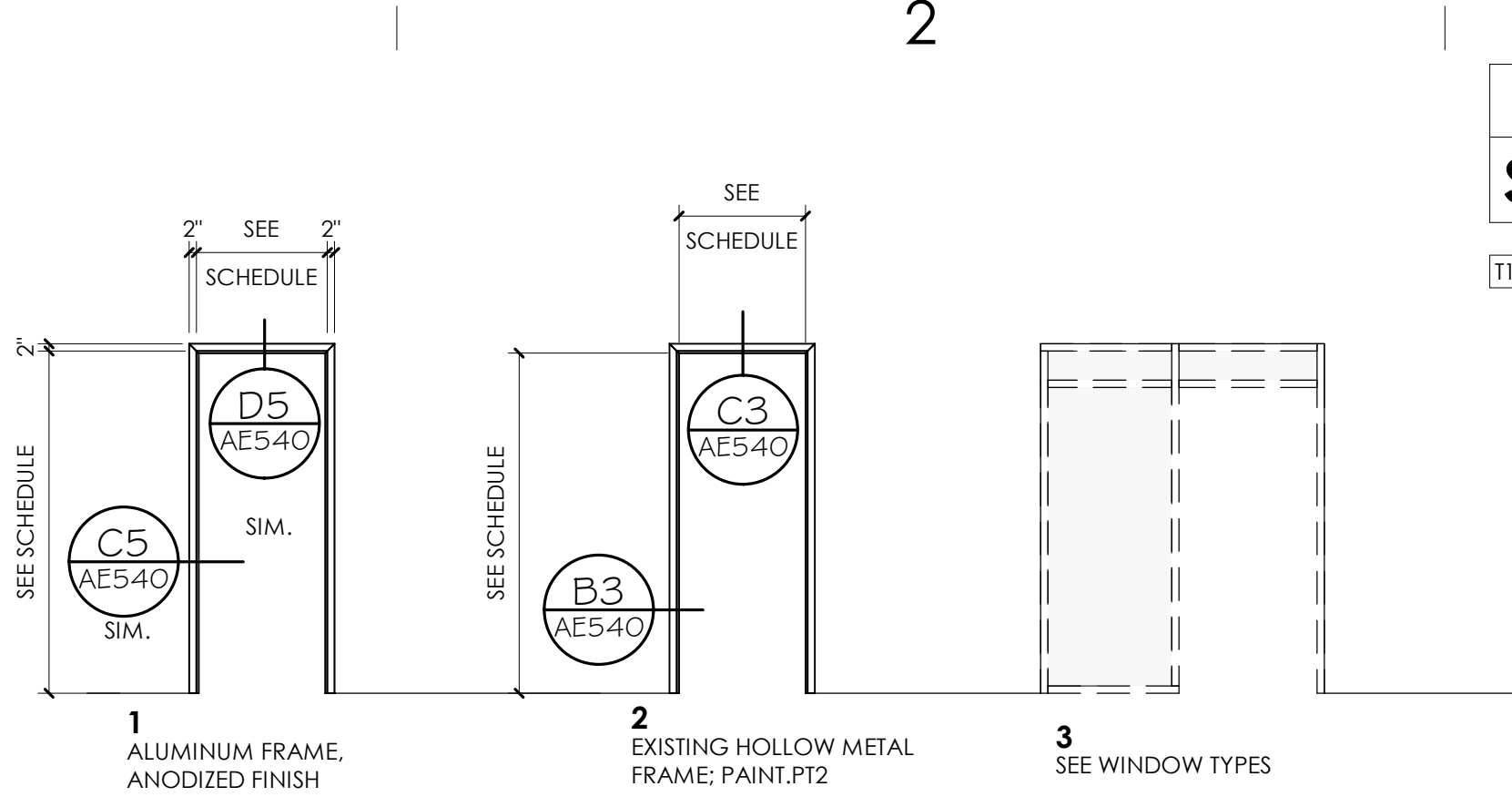
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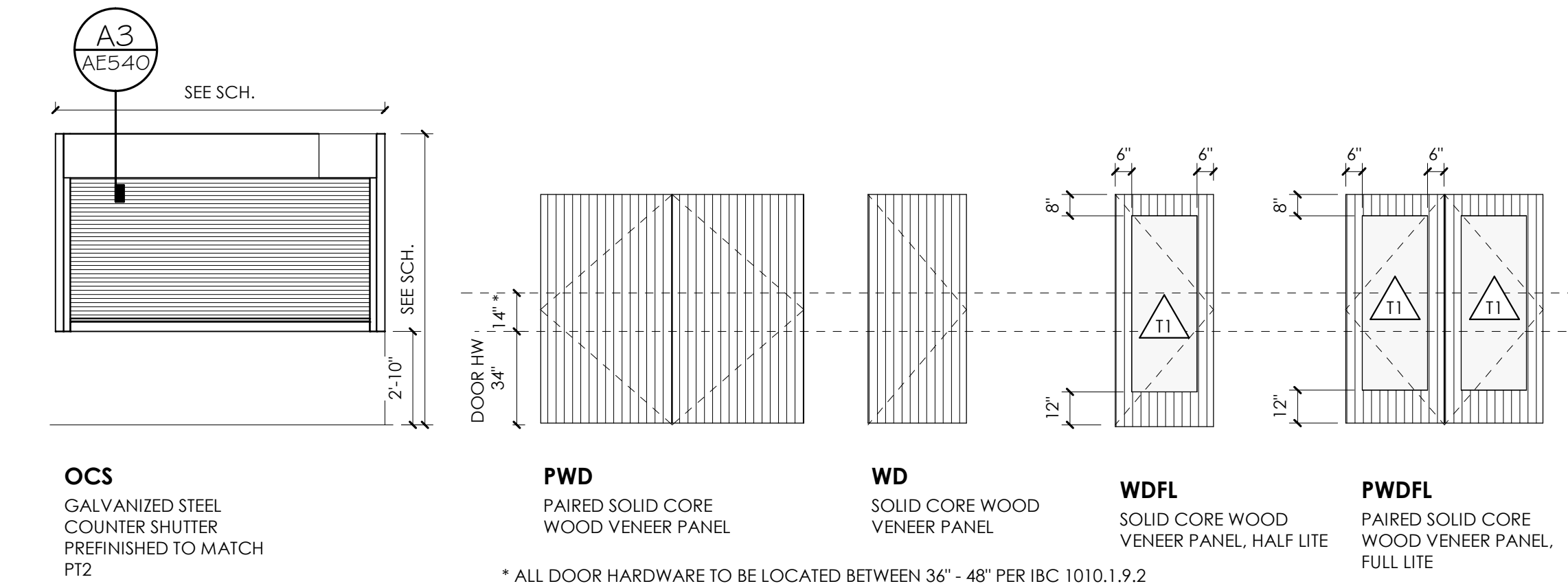
3/29/2020 8:11:06 PM \\cjcpcorps04c1\users\jheppier\Documents\1953 IHC KBT Level 09 CENTRAL\19\_jheppier.rvt  
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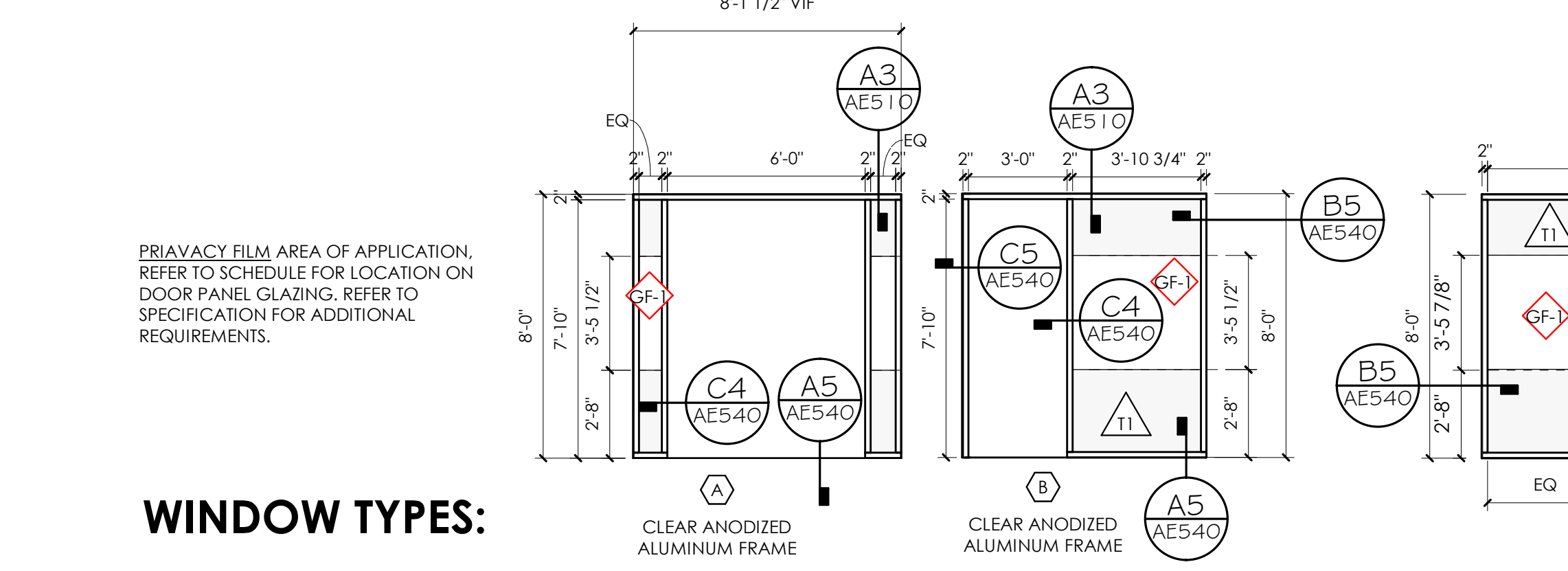
GLAZING TYPE	
SYM.	DESCRIPTION
T1	1/2" TEMPERED CLEAR GLAZING

TO ROOM	NUMBER	DOOR		FIRE RATED	TYPE		COMMENTS
		WIDTH	HEIGHT		DOOR	FRAME	
		ELEVATOR LOBBY	900A		6'-0"	7'-10"	
ELEVATOR LOBBY	900B	6'-0"	7'-10"	20 MIN.	PWDFL	1	HWSET #T9-3   ADA OPERATOR - CARD READER - PRIVACY FILM
BREAKROOM	901	3'-0"	7'-10"	-	WDFL	3	HWSET #T9-12 PRIVACY FILM
COPY	902	3'-2 1/2"	7'-10"	-	WDFL	3	HWSET #T9-13   PRIVACY FILM
STORAGE	903	3'-0"	7'-10"	-	WD	1	HWSET #T9-9   LOCKSET
COLLAB.	904	3'-0"	7'-10"	-	WDFL	3	HWSET #T9-13   PRIVACY FILM
COLLAB.	905	3'-0"	7'-10"	-	WDFL	3	HWSET #T9-13   PRIVACY FILM
COLLAB.	906	3'-0"	7'-10"	-	WDFL	3	HWSET #T9-13   PRIVACY FILM
COLLAB.	908	3'-0"	7'-10"	-	WDFL	3	HWSET #T9-13   PRIVACY FILM
STAIR	909A	3'-0"	7'-0"	90 MIN.	WD	2	HWSET #T9-1   EXISTING FRME V.I.F. DIM. - NEW DOOR & HARDWARE - CARD READER
SECONDARY ELEVATOR LOBBY	910A	3'-0"	7'-0"	20 MIN.	WD	2	HWSET #T9-4   EXISTING FRAME V.I.F. DIM. - NEW DOOR & HARDWARE - CARD READER
SECONDARY ELEVATOR LOBBY	910B	7'-0"	7'-0"	-	PWD	2	EXISTING FRAME V.I.F. DIM. - NEW DOOR & HARDWARE - LOCKSET
	910C	3'-0"	7'-0"	-	HM	1	
PRIVACY	911	3'-0"	7'-10"	-	WDFL	3	HWSET #T9-15   PRIVACY FILM
PRIVACY	912	3'-0"	7'-10"	-	WDFL	3	HWSET #T9-15   PRIVACY FILM
COLLAB.	913	3'-0"	7'-10"	-	WDFL	3	HWSET #T9-13   PRIVACY FILM
LOBBY	915A	3'-0"	7'-10"	-	WDFL	1	HWSET #T9-6   CARD READER - PRIVACY FILM
TRAVEL & FLEET	915B	3'-0"	7'-10"	-	WDFL	3	HWSET #T9-6   CARD READER - PRIVACY FILM
COPY	916	3'-0"	7'-10"	-	WDFL	3	HWSET #T9-14   PRIVACY FILM
PRIVACY	917	3'-0"	7'-10"	20 MIN	WDFL	3	
MEDICAL	918	3'-0"	7'-10"	-	WDFL	3	HWSET #T9-14   PRIVACY FILM
STAIR	919A	3'-0"	7'-0"	90 MIN.	WD	2	HWSET #T9-1   V.I.F. DIM. EXISTING FRAME - NEW DOOR & HARDWARE - CARD READER
MEETING	920	3'-0"	7'-10"	-	WDFL	3	HWSET #T9-13   PRIVACY FILM
MEETING	921	3'-0"	7'-10"	-	WDFL	3	HWSET #T9-13   PRIVACY FILM
IT WAITING	922	3'-0"	7'-10"	-	WDFL	3	HWSET #T9-8   CARD READER - PRIVACY FILM
IT STAGING	923	3'-0"	7'-10"	-	WDFL	2	HWSET #T9-7   CARD READER - PRIVACY FILM
IT WAITING	923A	10'-0"	6'-0"	-	OCS	1	METAL COUNTER OVERHEAD COILING SHUTTER, MODEL #ESC20, COOKSON RE: SPEC. KEY LOCK TO BUILDING MASTER.
IT	925	4'-0"	7'-10"	-	WD	1	HWSET #T9-6   CARD READER - ADA OPERATOR
DATA CENTER	926	4'-0"	8'-0"	-	HM	1	HWSET #T9-7   CARD READER
MECH.	926A	4'-0"	8'-0"	-	HM	1	HWSET #T9-16
STORAGE	926B	3'-0"	8'-0"	-	HM	1	HWSET #T9-17
LOBBY	927	3'-0"	7'-0"	-	WD	2	HWSET #T9-10   EXISTING FRAME V.I.F. DIM. - NEW DOOR & HARDWARE - LOCKSET
MEN'S	928	3'-0"	7'-0"	-	WD	2	HWSET #T9-2   EXISTING FRAME TO REMAIN V.I.F. DIM. - NEW DOOR & HARDWARE-TOUCHLESS ADA LATCH
LOBBY	929	3'-0"	7'-0"	-	WD	2	HWSET #T9-11   EXISTING FRAME V.I.F. DIM. - NEW DOOR & HARDWARE - LOCKSET
LOBBY	930	3'-0"	7'-0"	-	WD	2	HWSET #T9-2   EXISTING FRAME TO REMAIN V.I.F. DIM. - NEW DOOR & HARDWARE-TOUCHLESS ADA LATCH

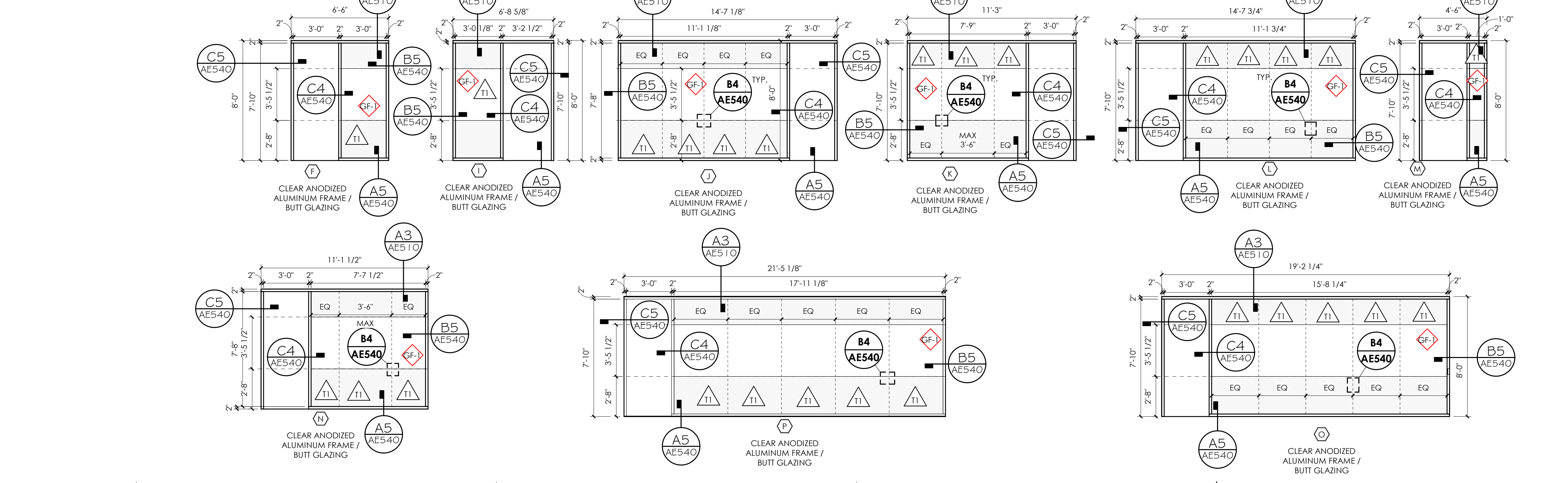
**FRAME TYPES:**



**DOOR TYPES:**



**WINDOW TYPES:**



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PROJECT DESCRIPTION  
**INTERMOUNTAIN  
 HEALTHCARE LEVEL 09 IT**

**KEY PRIVATE BANK  
 CITY CREEK CENTER  
 36 SOUTH STATE STREET  
 SALT LAKE CITY, UT 84111**

SHEET NAME:  
**DOOR & WINDOW  
 LEGEND**

REVISIONS	MARK	DATE	DESCRIPTION

ISSUE DATE: **03/26/2020**  
 ISSUE TYPE: **CD PERMIT SET**  
 DRAWN BY: **KL & SR**  
 CHECKED BY: **K. RIGBY**  
 PROJECT#: **1953**

SHEET NUMBER:

**AE600**

**INTERMOUNTAIN HEALTHCARE - KEY BANK TOWER - LEVEL 10 & 16 - INTERIOR FINISH LEGEND**

FLOORING PRODUCTS		
<b>CARPET TILE FLOORING</b>		
<b>CT-1</b>	<b>Carpet Tile</b>	Location/Notes: Multiple, see finish plan.
Manufacturer: Shaw Contract Product: Hand Drawn, Stipple Tile ST116 Color: Slate 13585 Backing: Ecovox Tile Size: 18" x 36" Plank Installation: Ashlar		
<b>CT-2</b>	<b>Carpet Tile - Accent</b>	Location/Notes: Multiple, see finish plan.
Manufacturer: Shaw Contract Product: Noble Materials, Form Tile ST136 Color: Cornerstone Copper 33555 Backing: Ecovox Tile Size: 24" x 24" Square Installation: Ashlar		
<b>LUXURY VINYL TILE FLOORING</b>		
<b>LVT-1</b>	<b>Luxury Vinyl Tile</b>	Location/Notes: Break Rooms, see finish plan.
Manufacturer: Mannington Commercial Product: Nature's Paths Color: Windsor Oak, Ashen 12372-6" Size: 6" x 36" Plank Installation: Ashlar		
<b>RUBBER TILE FLOORING</b>		
<b>RF-1</b>	<b>Rubber Tile Flooring</b>	Location/Notes: Mail Room/Storage Rooms, see finish plan.
Manufacturer: Roppe Product: Fiesta Rubber Tile Color: Marron 408 Size: 24" x 24" Square Installation: Standard Monolithic		
<b>SDT-1</b>	<b>Static Dissipative Tile</b>	Location/Notes: IT Room, see finish plan.
Manufacturer: Roppe Product: ESD Rubber Static Control, Fiesta Tile Color: Marron 408 Size: 24" x 24" Square Installation: Standard Monolithic		
<b>RUBBER BASE/TRANSITION STRIP</b>		
<b>RB-1</b>	<b>Rubber Base/Transition Strip</b>	Location/Notes: Multiple, see finish plan/elevations.
Manufacturer: Roppe Product: Pinnacle Rubber Base/Rubber Accessories Style: 4" Standard Cove Toe/Reducer Strip Color: Dolphin 129 Reducer Strip: sizing based on flooring applications; provide accordingly. Reducer Strip: See half-filled circle symbol on finish plan.		
<b>PORCELAIN TILE FLOORING</b>		
<b>FT-1</b>	<b>Porcelain Tile</b>	Location/Notes: Elevator Lobby & Level 16 Restrooms, see finish plan.
Manufacturer: Daltile Pattern: Stone Attache, Consulate, Antique Color: Premier Grey C305, Unpolished Size: 24" x 48" Grout Color: Mapei, Pewter 02, Keracolor Sanded Grout Grout Size: 1/8" Minimum Recommended Installation: Monolithic		
<b>CB-1</b>	<b>Porcelain Cove Base</b>	Location/Notes: Elevator Lobby & Level 16 Restrooms see finish plan/elevations.
Manufacturer: Daltile Pattern: Stone Attache, Consulate, Antique Color: Premier Grey C305, Unpolished Size: 6" x 12" Trim Style: Cove Base, S-36C9T Grout Color: Mapei, Pewter 02, Keracolor Sanded Grout Grout Size: 1/8" Minimum Recommended Installation: Monolithic		
<b>WALL PRODUCTS</b>		
<b>PAINT</b>		
<b>PT-1</b>	<b>Paint</b>	Location/ Notes: Multiple, see finish plan/elevations.
Manufacturer: Sherwin Williams Color: Peary White SW 7009 Finish: Eggshell-Satin Finish Specifications: Latex, unless noted otherwise		
<b>PT-2</b>	<b>Paint</b>	Location/ Notes: Multiple, see finish plan/elevations.
Manufacturer: Sherwin Williams Color: Dovetail SW 7018 Finish: Eggshell-Satin Finish Specifications: Latex, unless noted otherwise		

<b>PT-3</b>	<b>Paint</b>	Location/ Notes: Multiple, see finish plan/elevations.
Manufacturer: Sherwin Williams Color: Mineral Gray SW 7740 Finish: Eggshell-Satin Finish Specifications: Latex, unless noted otherwise		
<b>PT-4</b>	<b>Paint</b>	Location/ Notes: Elevator Doors, see finish plan/ key notes.
Manufacturer: Sherwin Williams Color: Goulette Gray SW 7019 Finish: Semi Gloss Finish Specifications: Latex, unless noted otherwise		
<b>PT-5</b>	<b>Paint</b>	Location/ Notes: Multiple, see finish plan/elevations
Manufacturer: Benjamin Moore Color: Bryant Gold HC-7 Finish: Eggshell-Satin Finish Specifications: Latex, unless noted otherwise		
<b>PT-6</b>	<b>Paint</b>	Location/ Notes: Multiple, see finish plan/elevations
Manufacturer: Benjamin Moore Color: Fiery Opal 077 Finish: Eggshell-Satin Finish Specifications: Latex, unless noted otherwise		
<b>PT-7</b>	<b>Paint</b>	Location/ Notes: Multiple, see finish plan/elevations
Manufacturer: Sherwin Williams Color: Distance 6243 Finish: Eggshell-Satin Finish Specifications: Latex, unless noted otherwise		
<b>WALLCOVERING</b>		
<b>WC-1</b>	<b>Vinyl Wallcovering</b>	Location/ Notes: Multiple, see finish plan/elevations.
Manufacturer: Maharam Pattern: Naok 399713 Color: Rock 004		
<b>GLASS FILM</b>		
<b>GF-1</b>	<b>Glass Privacy Film</b>	Location/ Notes: Glass Storefront and Door Lite Panels
Manufacturer: 3M FASARA Pattern: Fusion Pearl SH2CSFP Color: White		
<b>TILE</b>		
<b>WT-1</b>	<b>Porcelain Wall Tile</b>	Location/Notes: Level 16 Restrooms, see finish plan/elevations.
Manufacturer: Daltile Pattern: Stone Attache, Haut Monde, Colorbody Porcelain Color: Elite Grey HM05, Unpolished Size: 12" x 24" Installation: Monolithic Grout Color: Mapei, Pewter 02, Keracolor Sanded Grout Grout Size: 1/8" Minimum Recommended		
<b>WT-2</b>	<b>Porcelain Wall Tile</b>	Location/Notes: Drinking Fountain Alcove, see finish plan/elevations.
Manufacturer: Daltile Pattern: Volume 1.0, Glazed Porcelain Color: Degrees Silver VL71 Size: 12" x 12" Grout Color: Mapei, Pewter 02, Keracolor Sanded Grout Grout Size: 1/8" Minimum Recommended Installation: Monolithic		
<b>MT-1</b>	<b>Natural Stone Mosaic Tile</b>	Location/Notes: Breakroom/Prep, see finish plan/elevations.
Manufacturer: Daltile Pattern: Limestone Mosaic, Polished Modern Color: Chenille White L191 Size: Irregular Mosaic Grout Color: Mapei, Pewter 02, Keracolor Sanded Grout Grout Size: 1/8" Minimum Recommended Installation: Ashlar		
<b>MILLWORK</b>		
<b>COUNTERTOPS</b>		
<b>QZ-1</b>	<b>Quartz Countertop</b>	Location/Notes: All millwork countertops, unless noted otherwise.
Manufacturer: Silestone Product: Basiq Series Color: Bianca City See elevations/details for exact placement. * Updating restroom vanities as noted *		
<b>PLASTIC LAMINATE</b>		
<b>HPL-1</b>	<b>High Pressure Laminate Surfaces</b>	Location/Notes: All millwork casing, unless noted otherwise.
Manufacturer: Plonite Pattern/Color: Absolute Acajou WY160 Finish: Suede SD Product Type: Standard HPL See elevations/details for exact placement.		
<b>HPL-2</b>	<b>High Pressure Laminate Surfaces</b>	Location/Notes: Mailroom Millwork, Counters.
Manufacturer: Plonite Pattern/Color: Coastal Cottage WC652-WE Finish: Wood Essence WE Product Type: Standard HPL See elevations/details for exact placement.		

CEILING		
<b>C-1</b>	<b>ACT 2' X 4'</b>	Suspended Acoustical Ceiling Tile. Black Tiles, Black Track.
Manufacturer: Rockfon Finish: Black 08 Location/Notes: Ceiling type to be installed above wood slat ceiling location in Lobby.		
<b>C-2</b>	<b>Gyp. Ceiling</b>	Location: Elevator Lobbies.
Finish: Painted PT-1 Use Epoxy paint in wet areas.		
<b>C-3</b>	<b>ACT 2' X 4'</b>	Suspended Acoustical Ceiling Tile.
Manufacturer: Rockfon Korat Finish: White		
<b>C-4</b>	<b>ACT 2' X 4'</b>	Location: Privacy Rooms
Manufacturer: Rockfon 1" Acoustical Ceiling Tile		
<b>C-5</b>	<b>Wood Grille Ceiling system</b>	Location/ Notes: Entrance Lobby, See reflected ceiling plan.
Manufacturer: Mermel E Screen Field Verify Type and Color.		
Species: Engineered Walnut Veneer (Quarter Sliced) Finish: Stained to match architect's sample Series: 1000 Wood Grilles Style: 1100 Cross Piece Grille, SKU: 1112-8		
<b>WINDOW COVERING</b>		
<b>Motorized Blackout Shade</b>		
Manufacturer: 9wood Field Verify Type and Color. Finish: 2.07 White/Pearl Penetration Properties: 10% Product Type: Interior/Transparent Shades are installed in contractor built pocket with closure.		
<b>Manual Blinds</b>		
Manufacturer: SWF Contract Finish: 1219 Brushed Aluminum Product Type: 1" Customiser Interior Blinds. All windows except windows in Rms 918/920		

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703 east 1700 south  
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ARCHITECT / CONSULTANT

AUTHORITY HAVING JURISDICTION

PROJECT DESCRIPTION  
INTERMOUNTAIN  
HEALTHCARE LEVEL 09 TI

KEY PRIVATE BANK  
CITY CREEK CENTER  
36 SOUTH STATE STREET  
SALT LAKE CITY, UT 84111

SHEET NAME:  
INTERIOR FINISH  
LEGEND

REVISIONS  
MARK DATE DESCRIPTION

ISSUE DATE: 03/26/2020  
ISSUE TYPE: CD PERMIT SET  
DRAWN BY: KL & SR  
CHECKED BY: K. RIGBY  
PROJECT#: 1953

SHEET NUMBER:

**AE610**

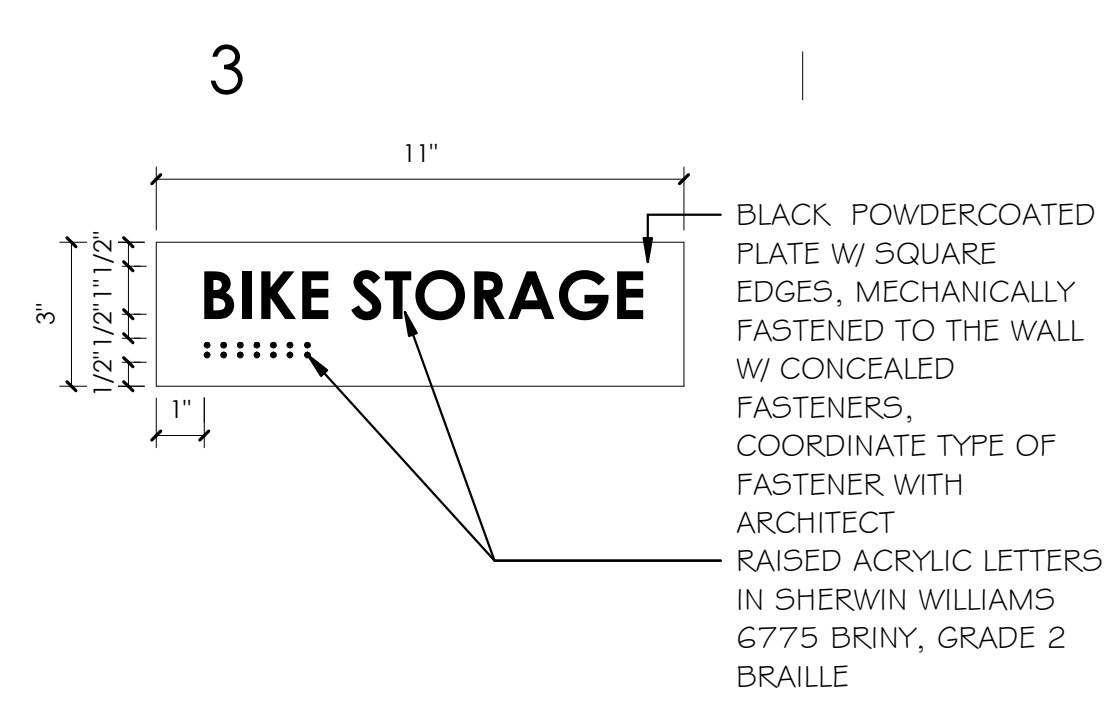
3/29/2020 8:11:07 PM \\ajcpcorps04c1\users\jheppner\Documents\1953 IHC KBT Level 09 CENTRAL\19\_heppner.rvt

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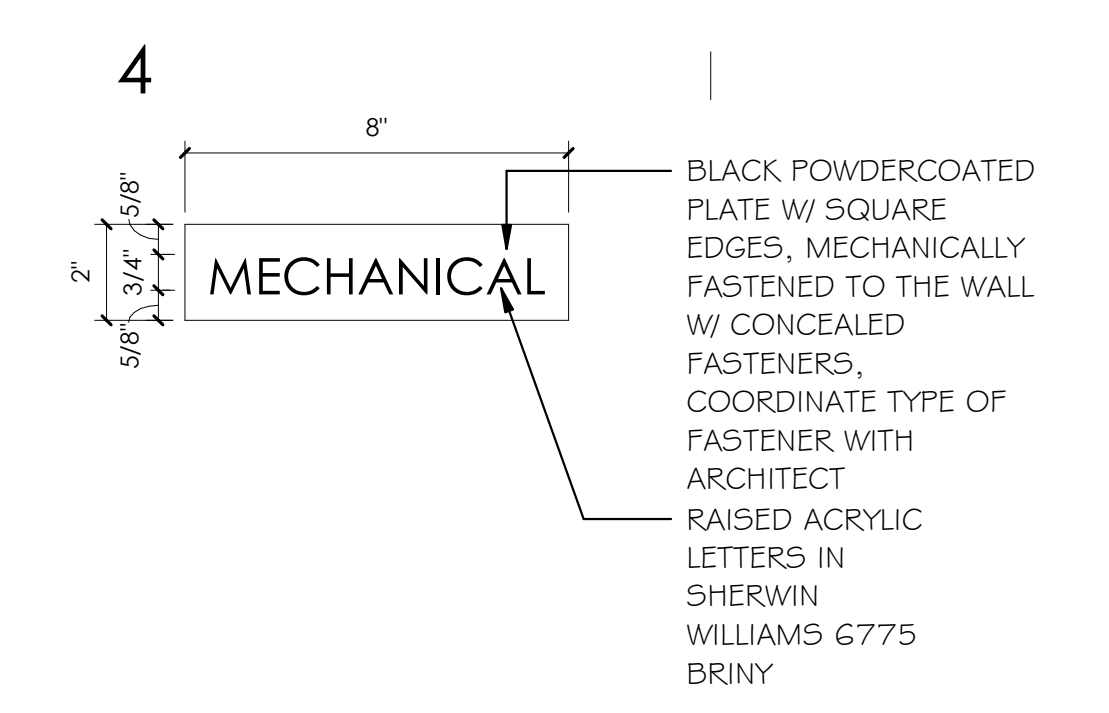
# ALL SIGNAGE TYPE AND LOCATION TO BE COORDINATED BY OWNER.

TYPICAL SIGNAGE DETAILS GC TO COORDINATE ALL SIGNAGE TYPES AND LOCATIONS WITH OWNER PRIOR TO ORDERING.

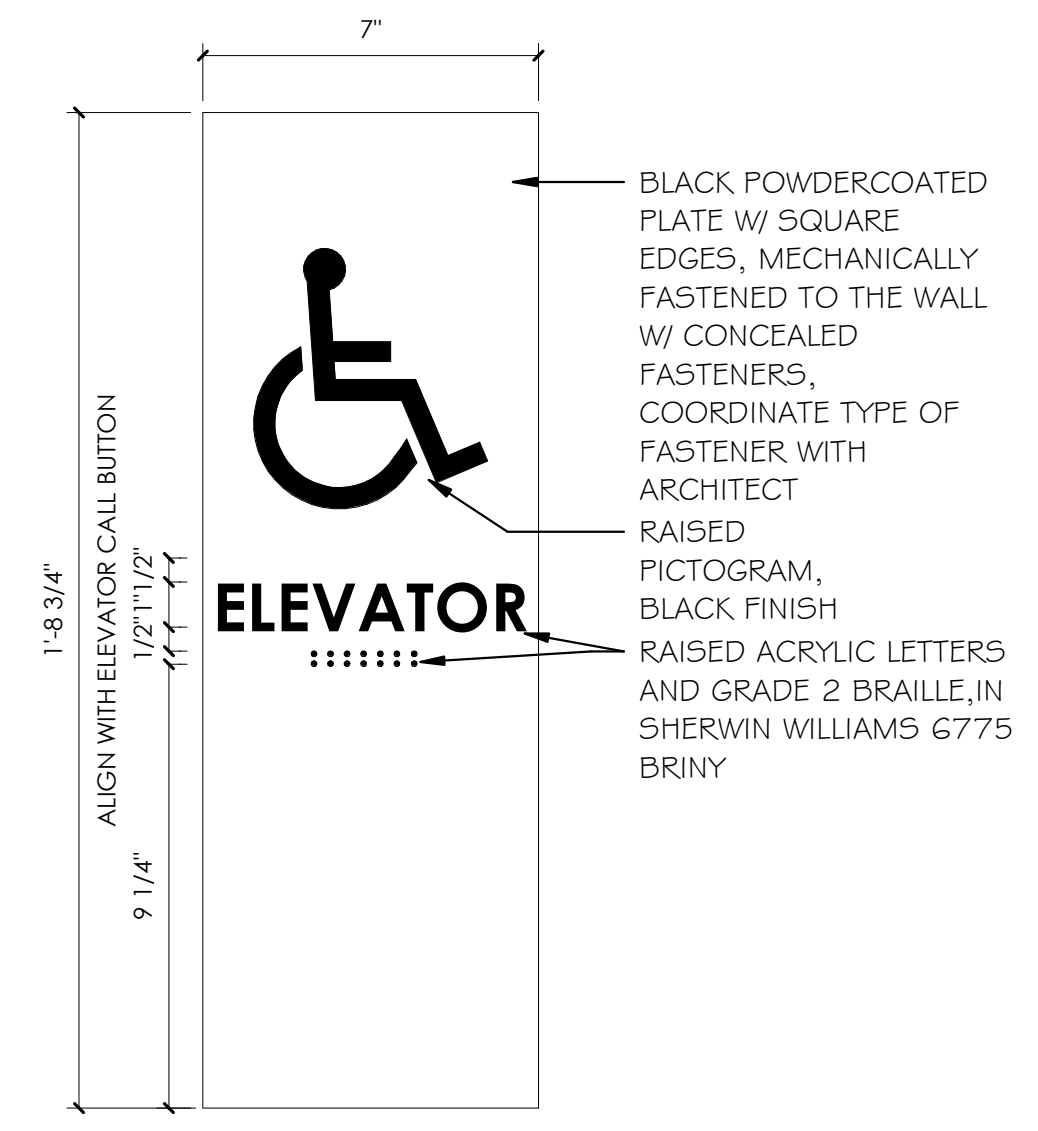
- NOTE:**
1. PROVIDE FIRE EXTINGUISHER SIGN PER OSHA/IFC REQUIREMENTS
  2. ALL TEXT TO BE IN CENTURY GOTHIC FONT
  3. PLATE THICKNESS TO BE 0'-0 1/4"



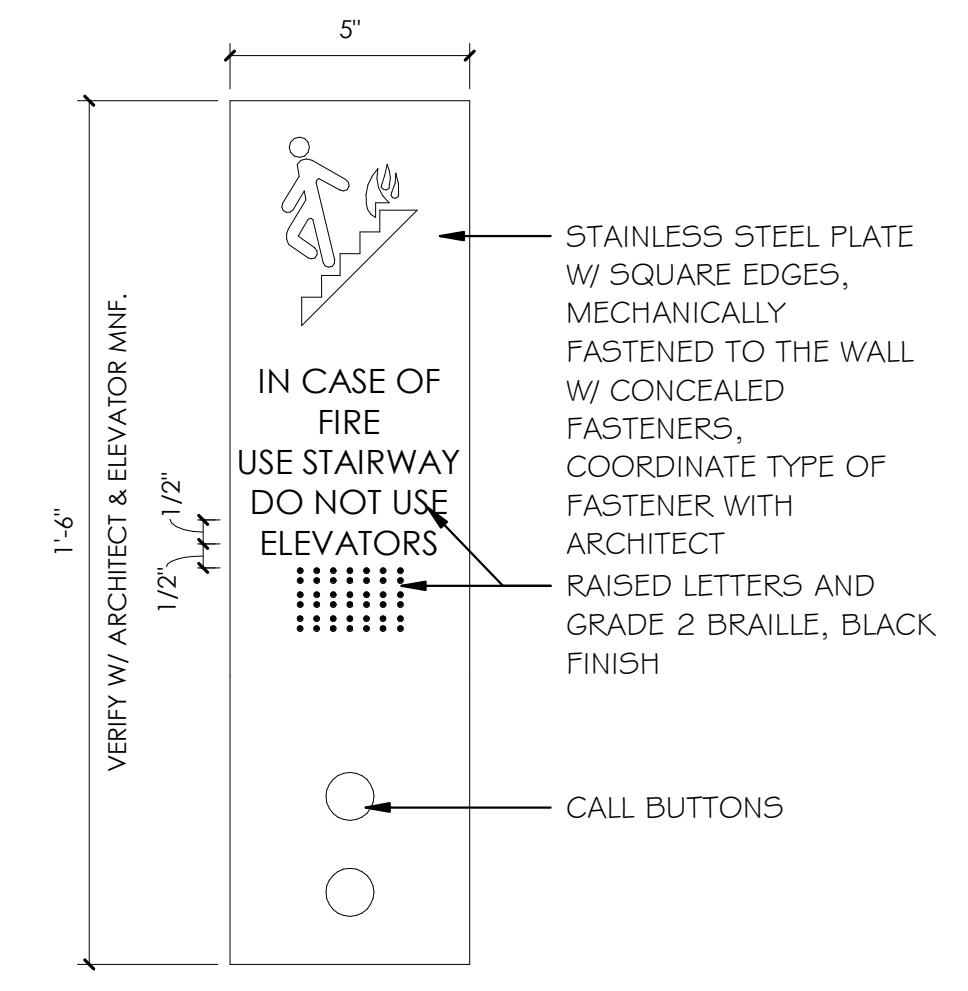
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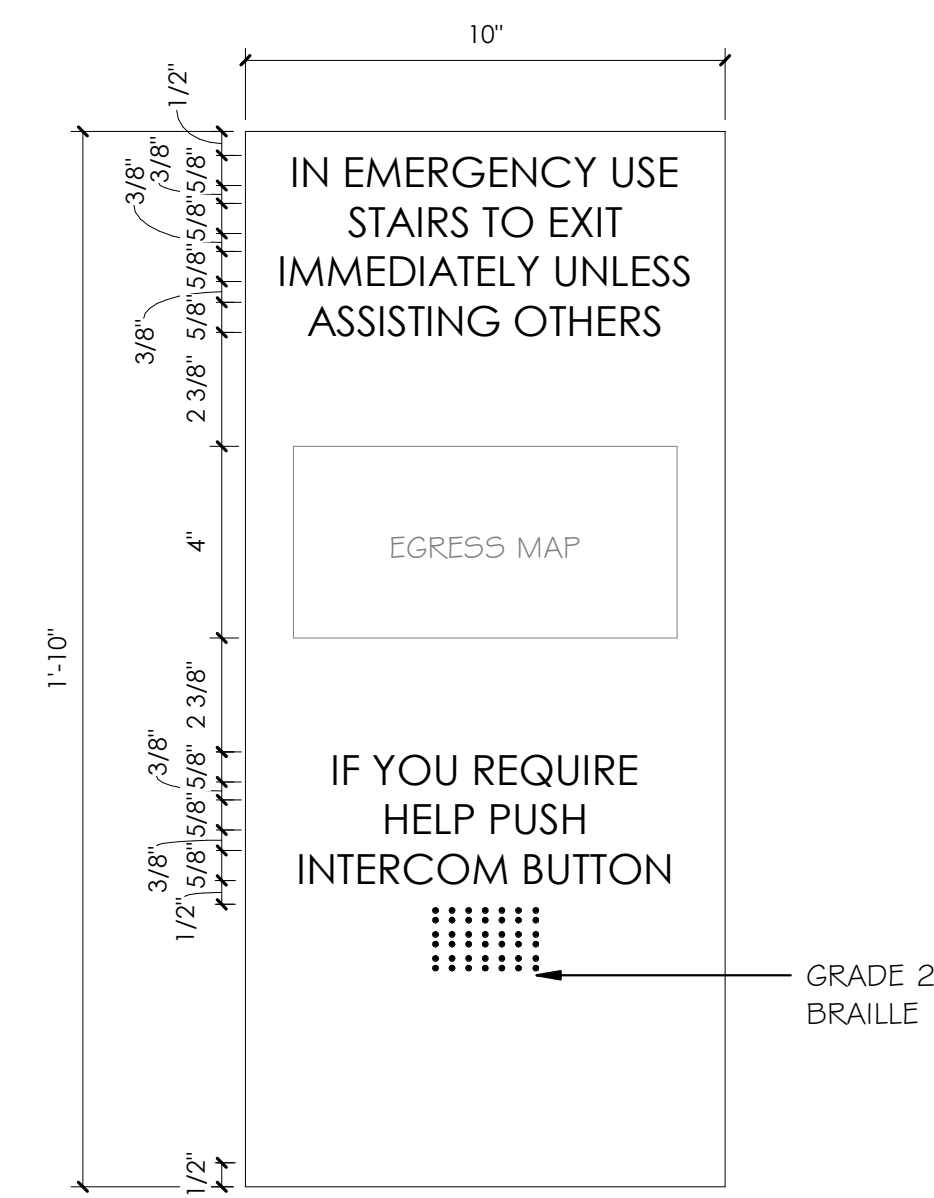
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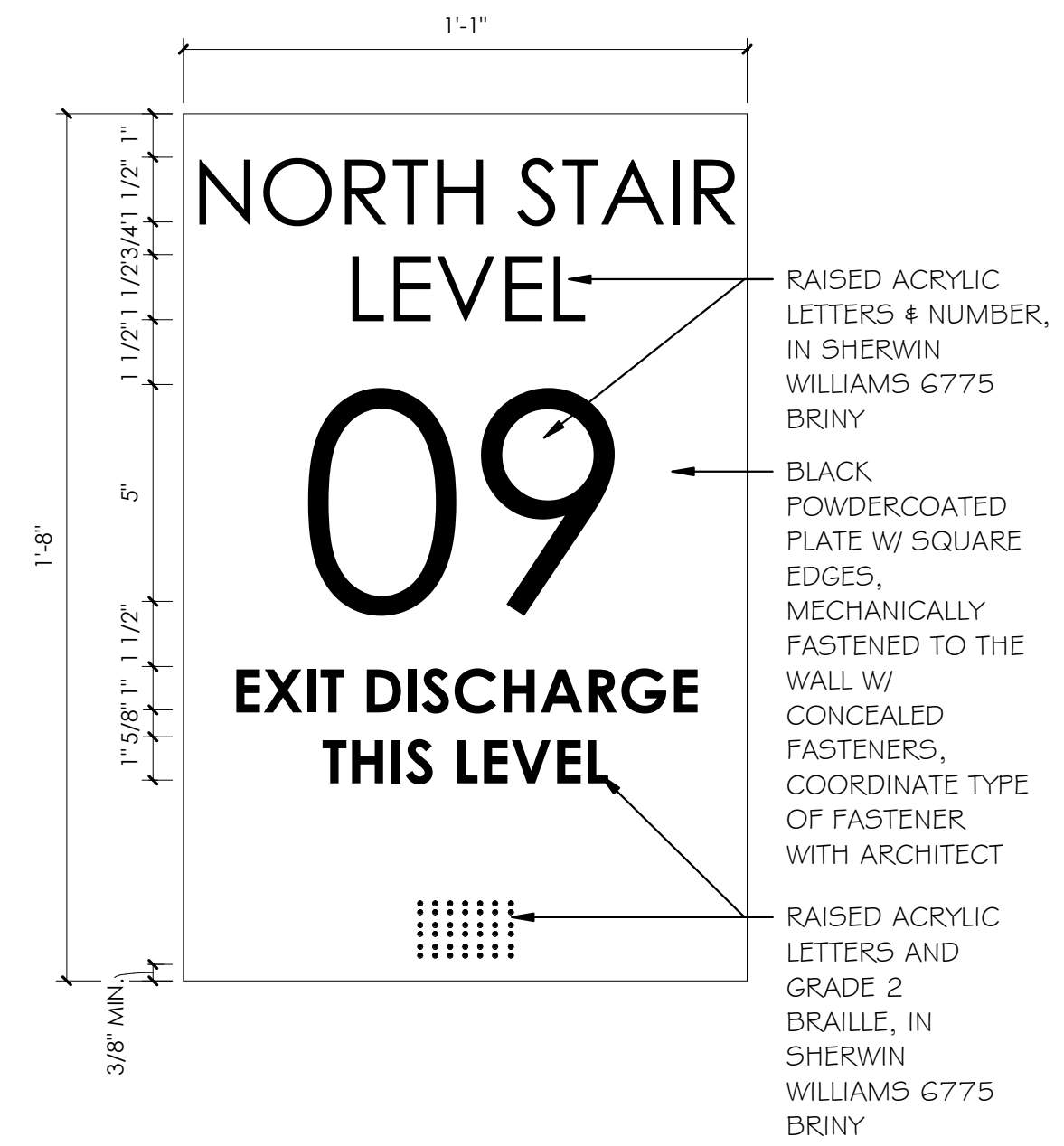
**INTERIOR SIGNAGE TYPE C**



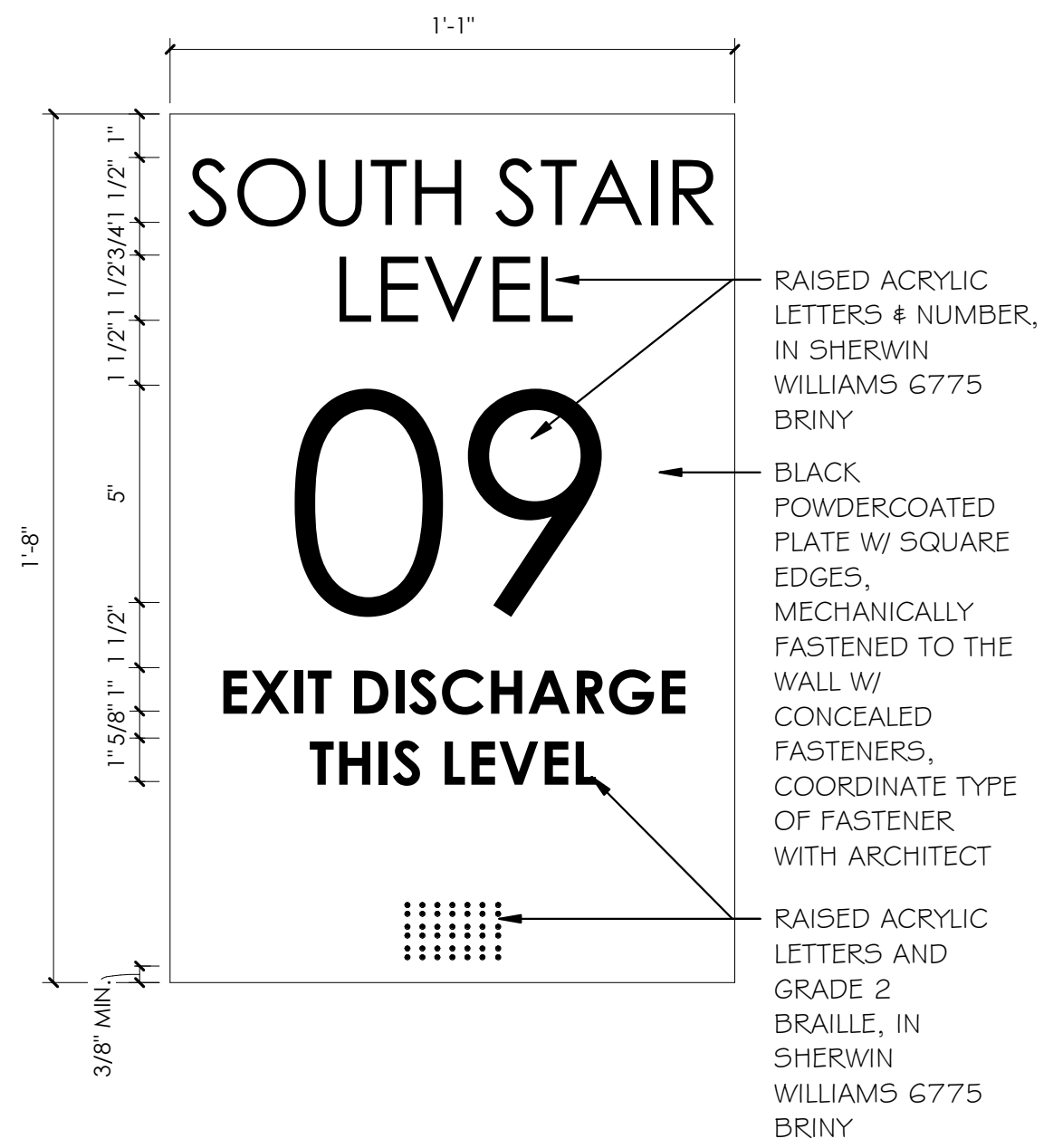
**INTERIOR SIGNAGE TYPE D**



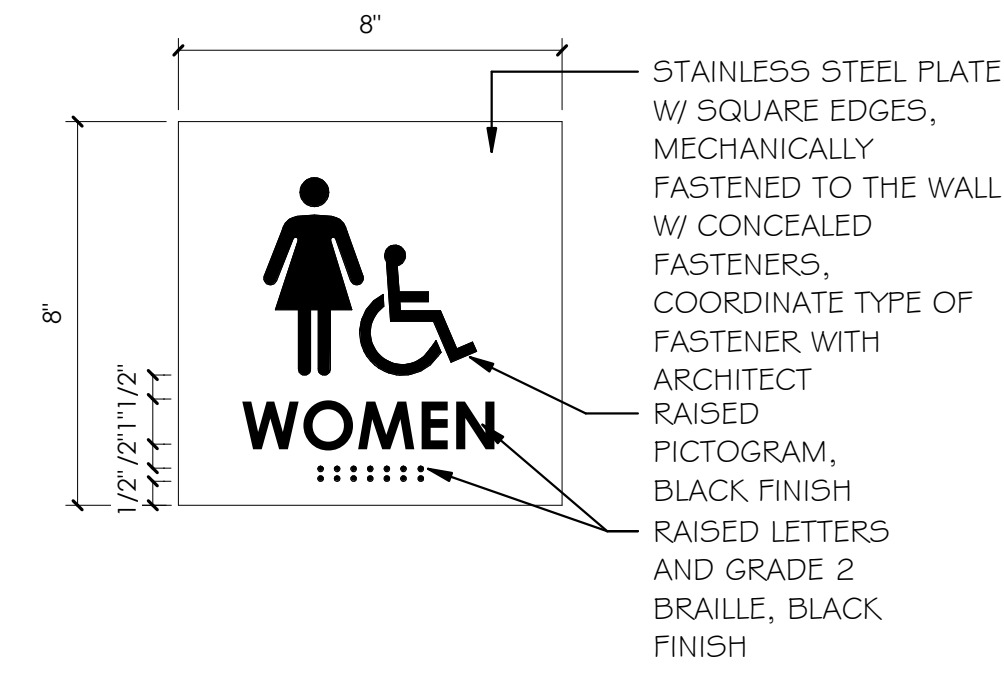
**INTERIOR SIGNAGE TYPE E**



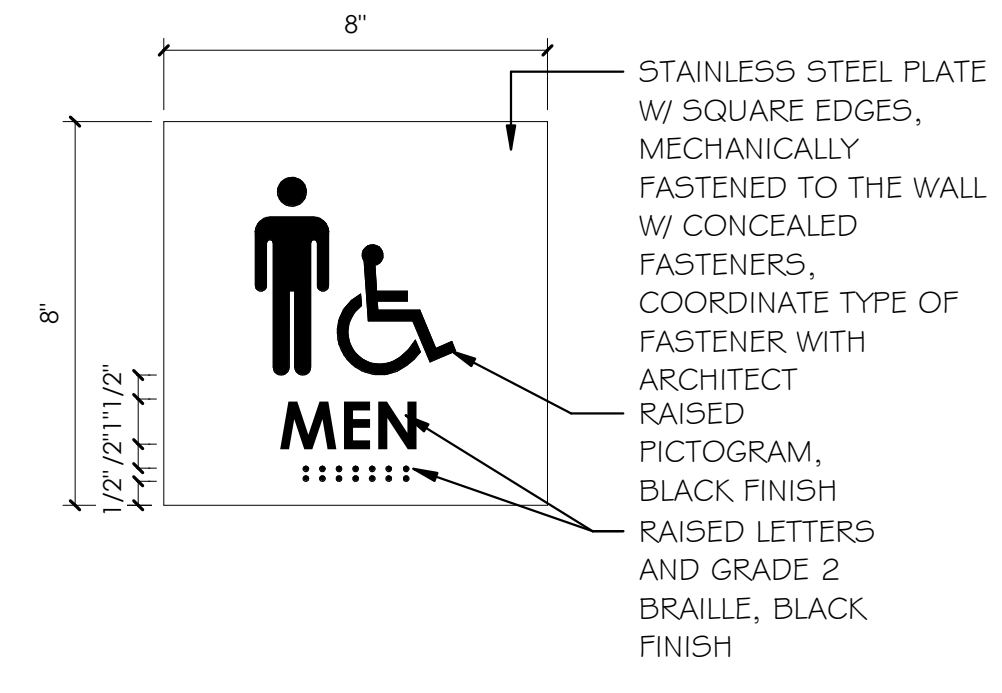
**INTERIOR SIGNAGE TYPE F**



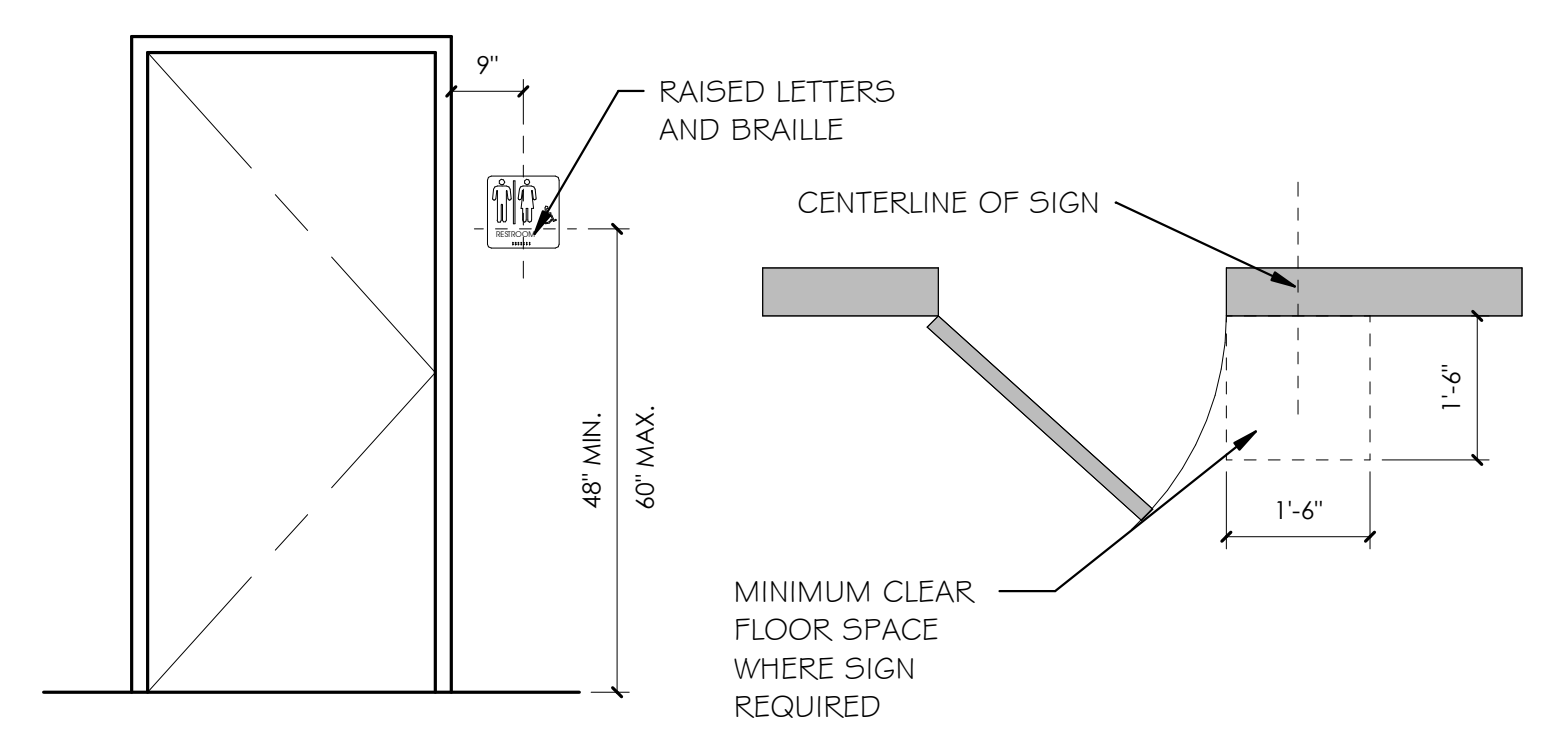
**INTERIOR SIGNAGE TYPE G**



**INTERIOR SIGNAGE TYPE H**



**INTERIOR SIGNAGE TYPE I**



**1 TYPICAL SIGN MOUNTING LOCATION**  
1/2" = 1'-0"

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ARCHITECT / CONSULTANT

AUTHORITY HAVING JURISDICTION

PROJECT DESCRIPTION  
INTERMOUNTAIN  
HEALTHCARE LEVEL 09 TI

KEY PRIVATE BANK  
CITY CREEK CENTER  
36 SOUTH STATE STREET  
SALT LAKE CITY, UT 84111

SHEET NAME:  
ROOM SIGNAGE  
SCHEDULE + SIGNAGE  
TYPES

REVISIONS  
MARK DATE DESCRIPTION

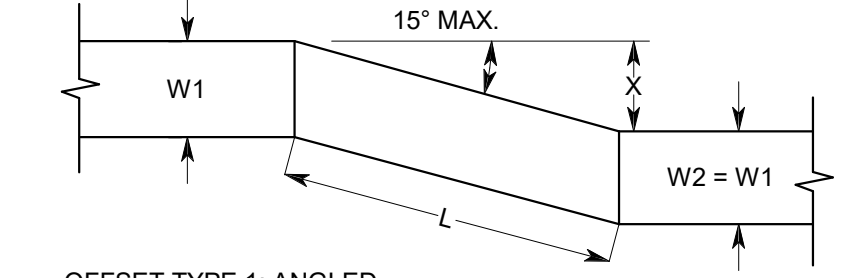
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PROJECT#: 1953

SHEET NUMBER:

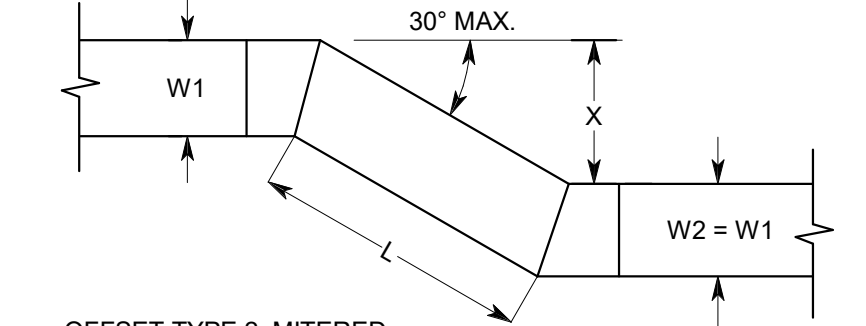
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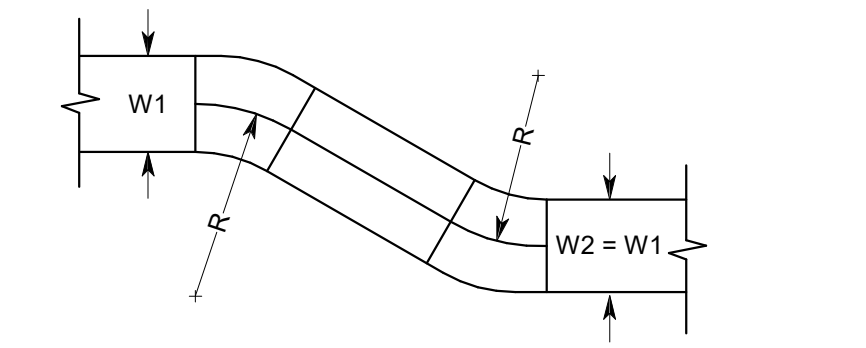
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 INAPPROPRIATE IN VOLUME OF 12.282.31.1ET, SEQ. AND OTHER LAWS.



**OFFSET TYPE 1: ANGLED**  
L (MIN.) = X / 0.26



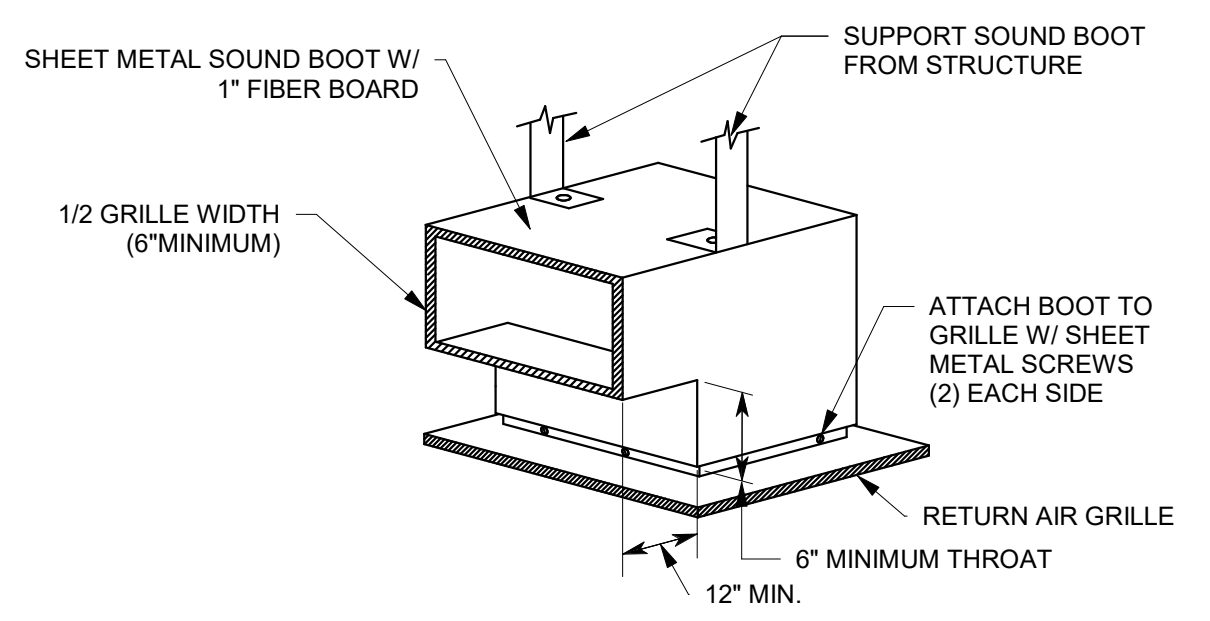
**OFFSET TYPE 2: MITERED**  
L (MIN.) = X / 0.5



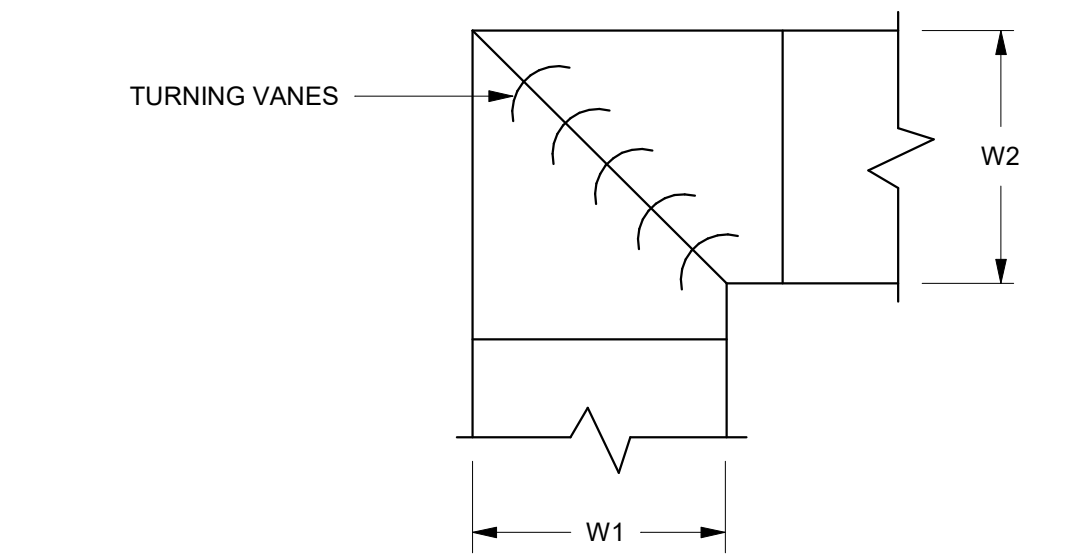
**OFFSET TYPE 3: RADIUSSED**  
R (MIN.) = 3W / 2

- NOTES:**
- UNLESS OTHERWISE INDICATED ON PLANS, MAXIMUM ANGLES SHOWN SHALL APPLY.
  - ALL OFFSETS SHOWN ON DRAWINGS MADE BE MADE WITH ANY OF THE 3 OFFSET TYPES ABOVE.

**11 DUCT OFFSETS**  
1/8" = 1'-0"

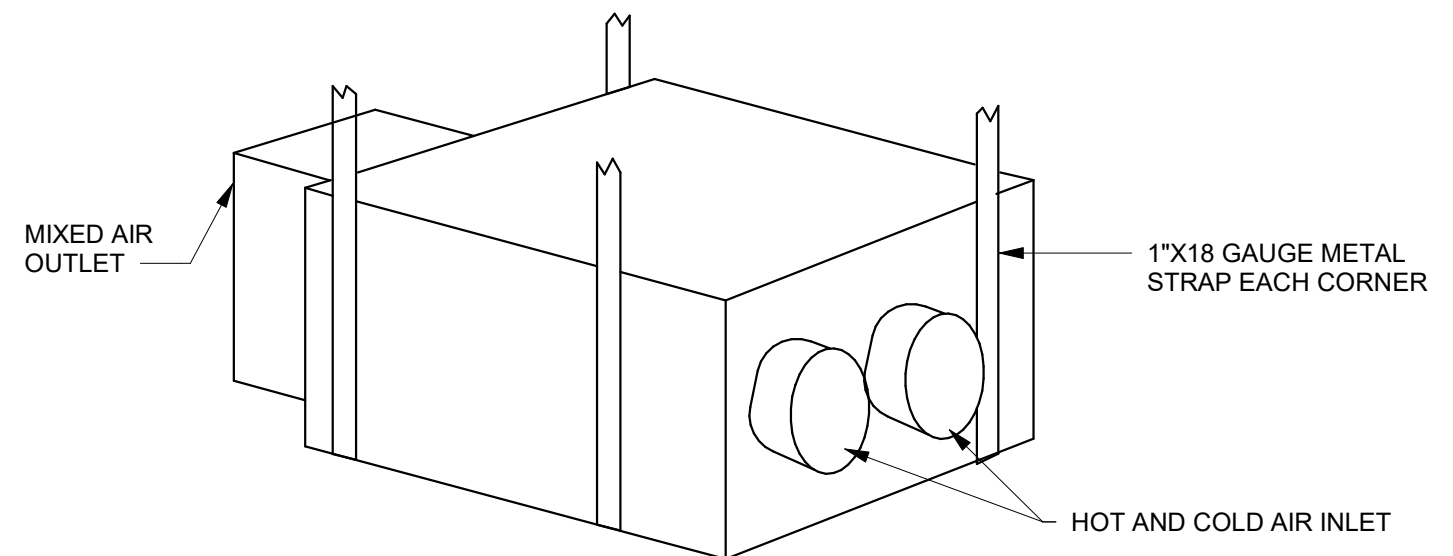


**8 STANDARD SOUND BOOT DETAIL**  
1/8" = 1'-0"

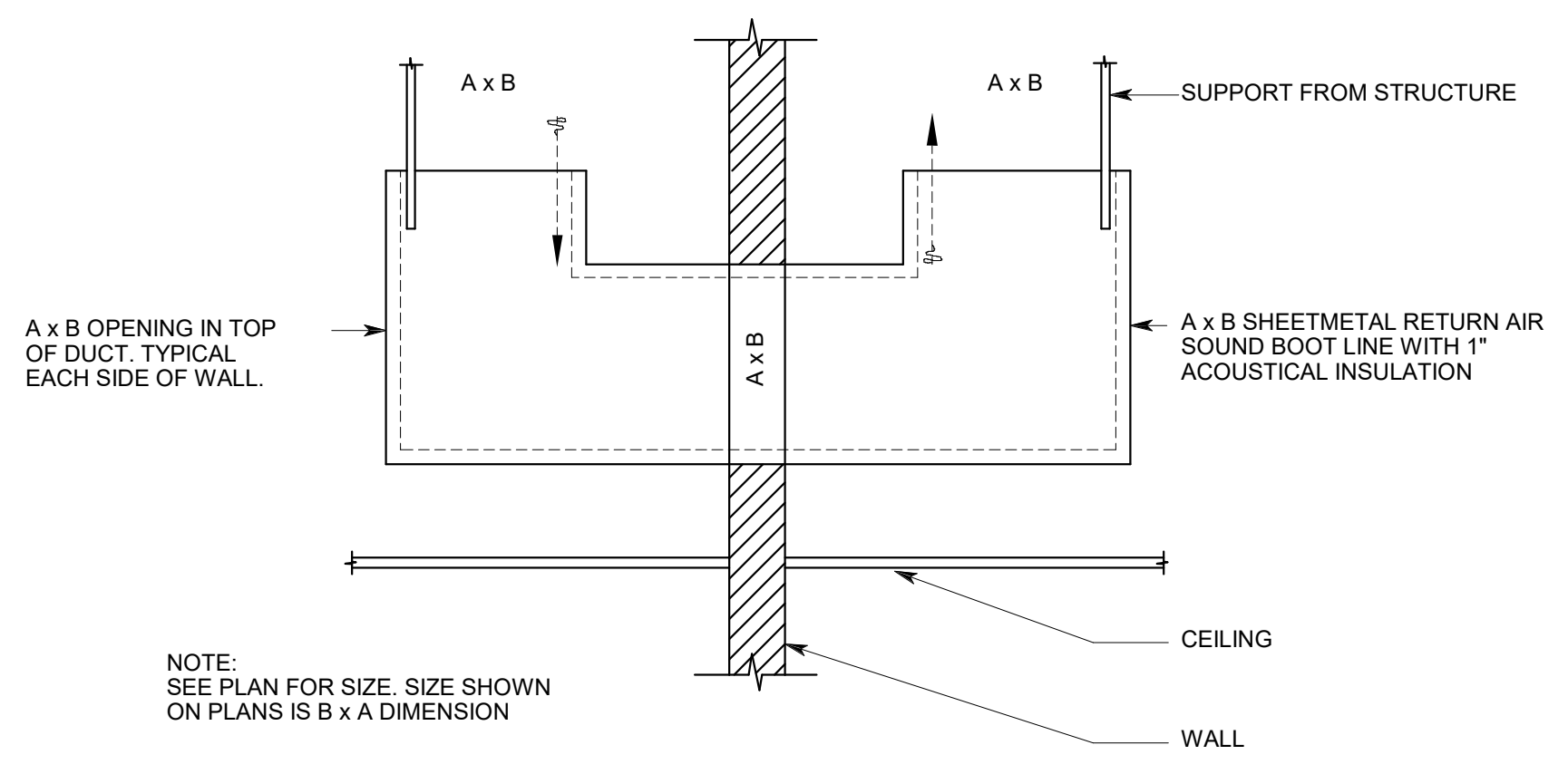


- NOTES:**
- ALL TURNING VANES SHALL BE SINGLE VANE TYPE REGARDLESS OF DIMENSION.
  - ALL SINGLE VANES SHALL HAVE A 2 INCH RADIUS, 1 INCH MAXIMUM SPACE BETWEEN VANES AND A 3/4 INCH TRAILING EDGE.

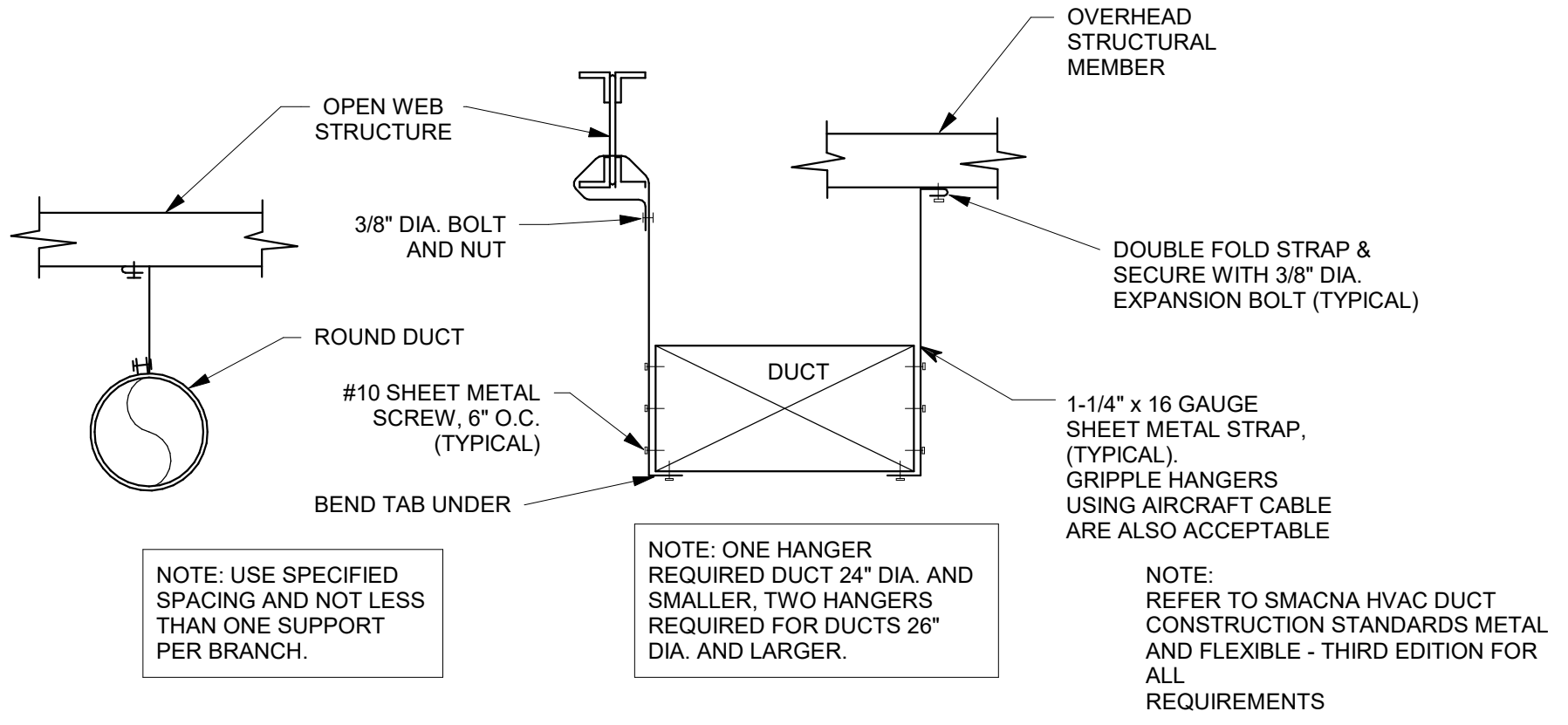
**10 DUCT ELBOW - SQUARE**  
1/8" = 1'-0"



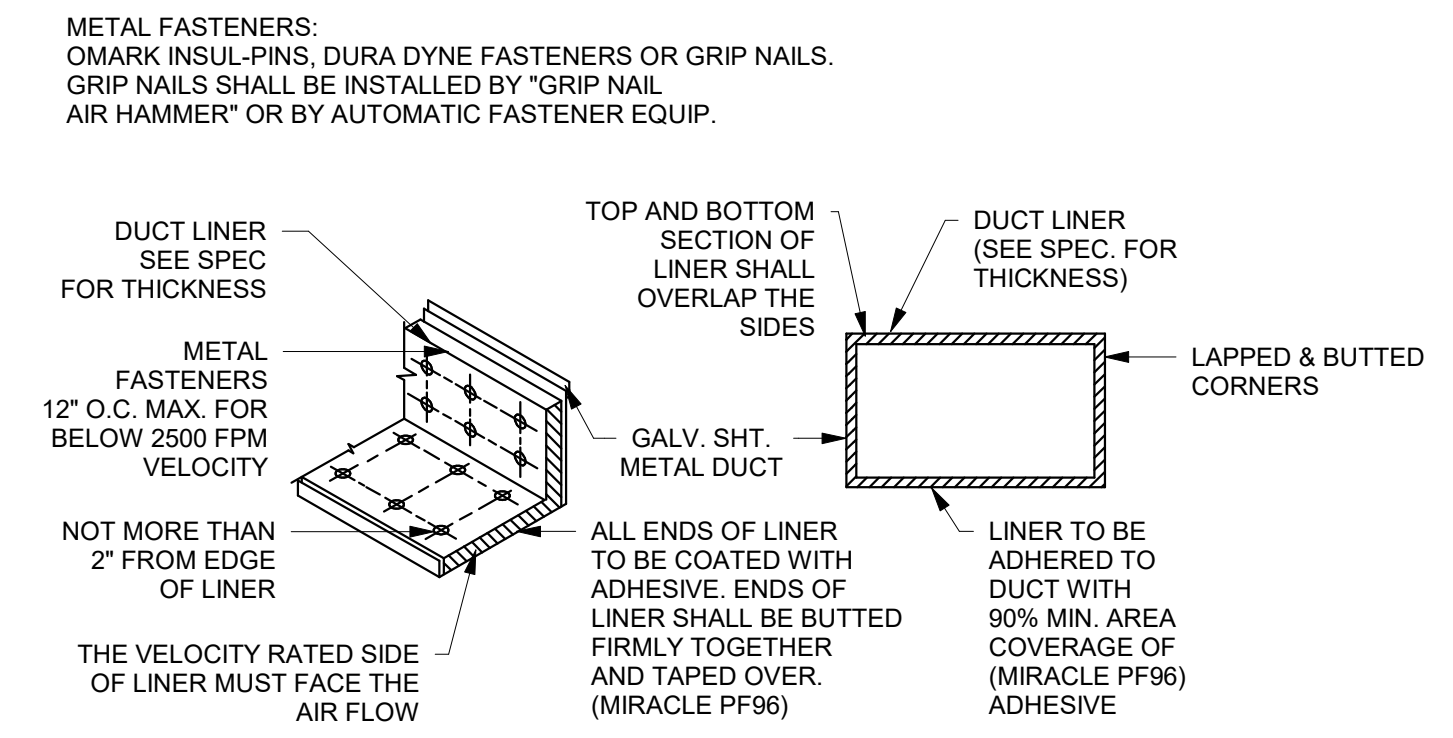
**9 DUAL DUCT BOX SUPPORT**  
1/8" = 1'-0"



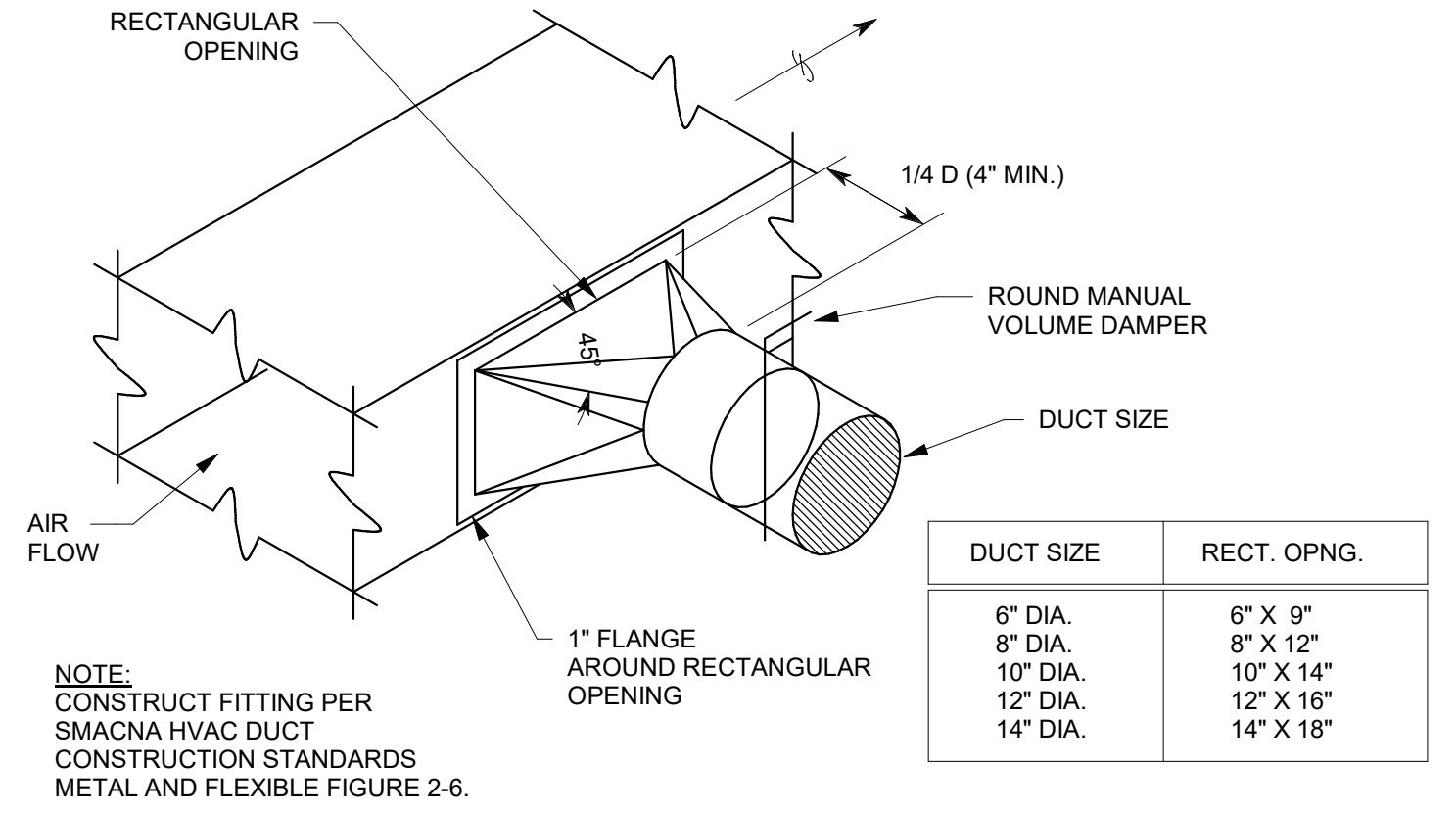
**12 RETURN AIR SOUND BOOT DETAIL**  
1/8" = 1'-0"



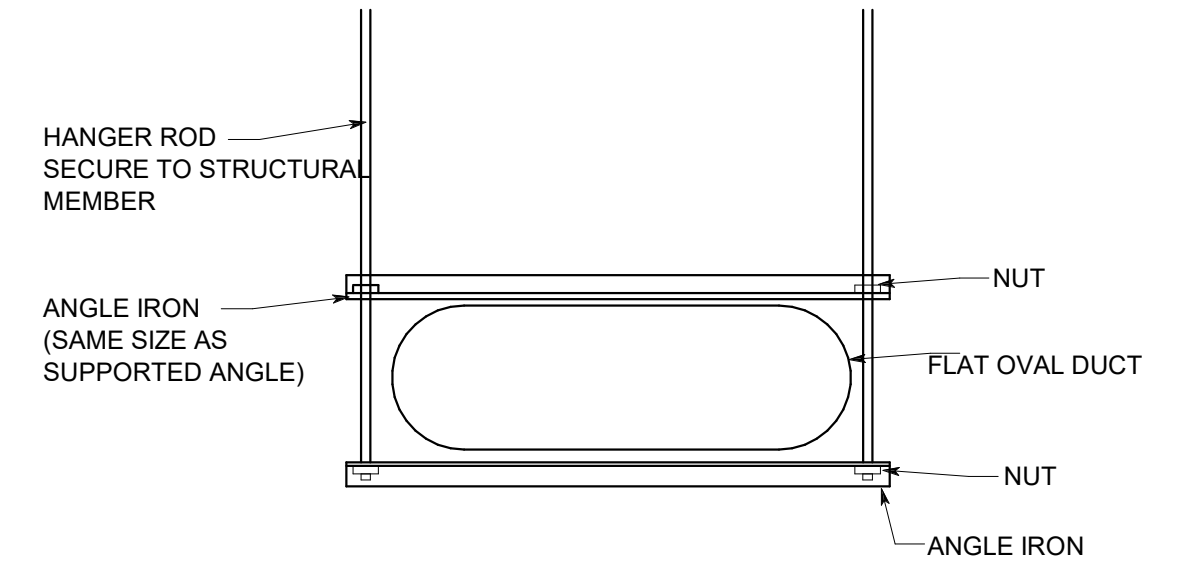
**7 DUCT HANGER**  
1/8" = 1'-0"



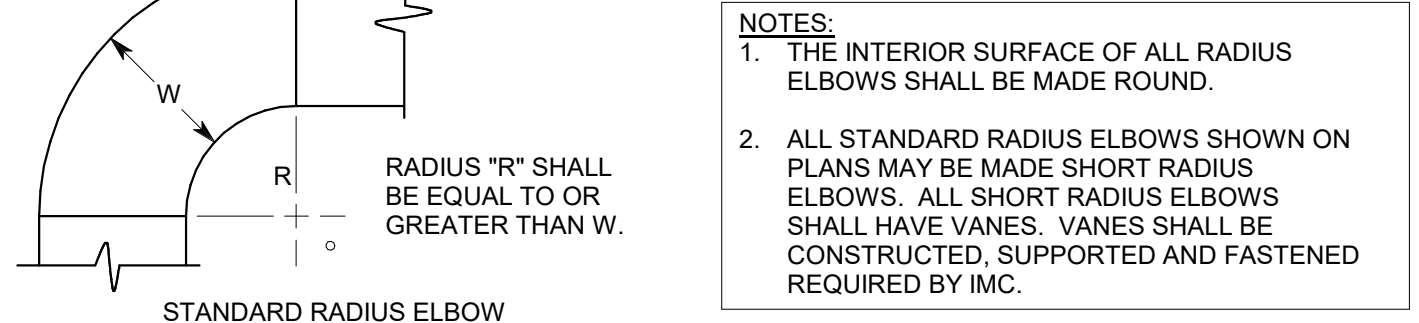
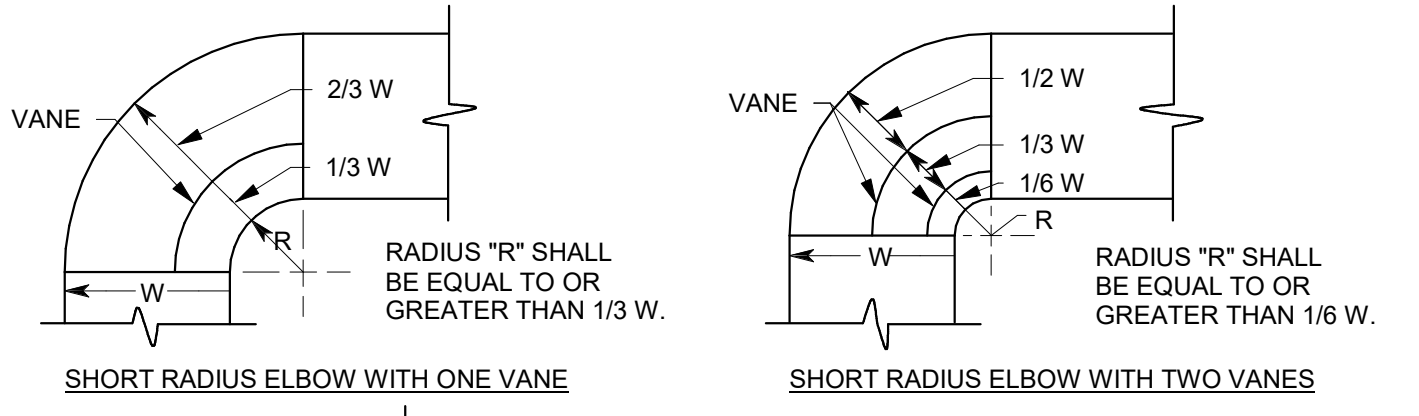
**6 DUCT LINER DETAIL**  
1/8" = 1'-0"



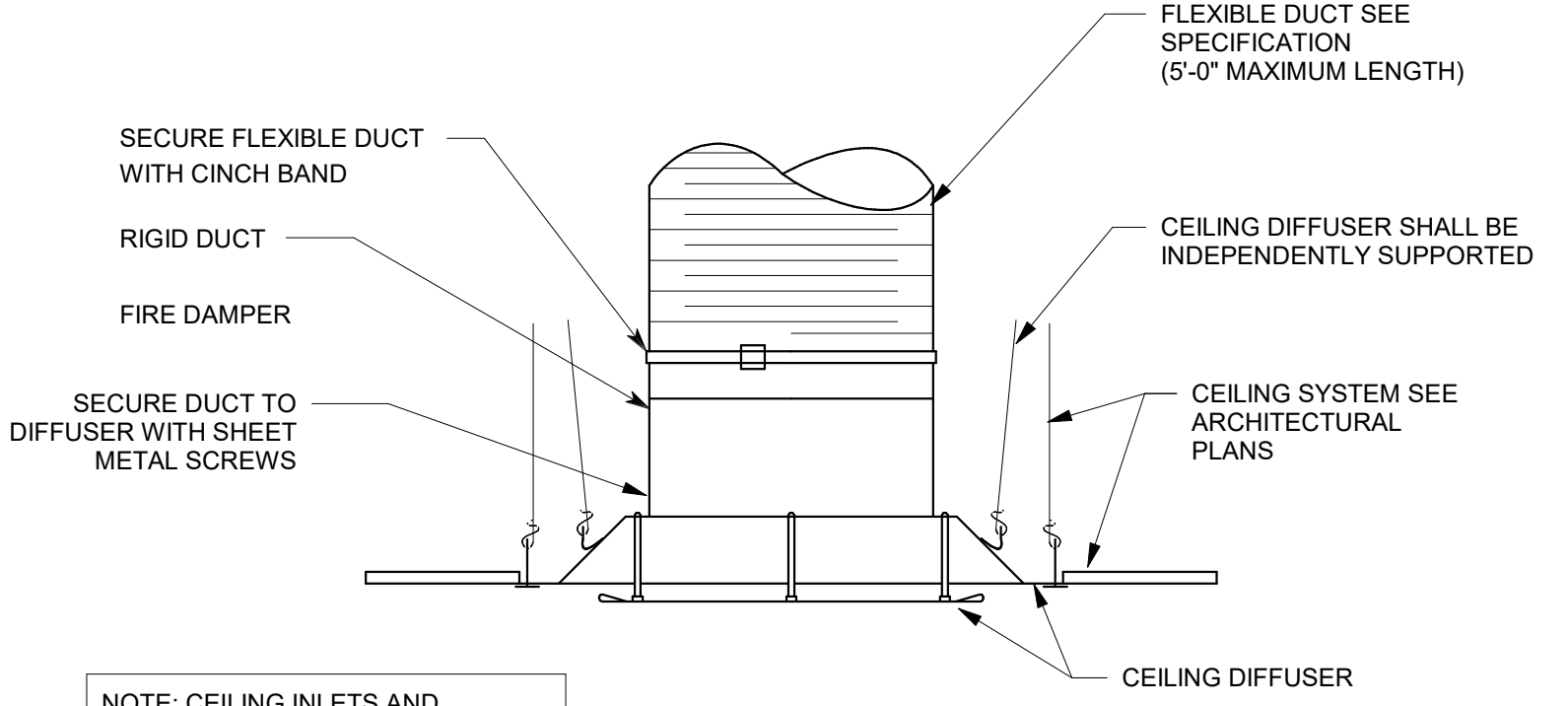
**5 HIGH EFFICIENCY BRANCH TAKE OFF**  
1/8" = 1'-0"



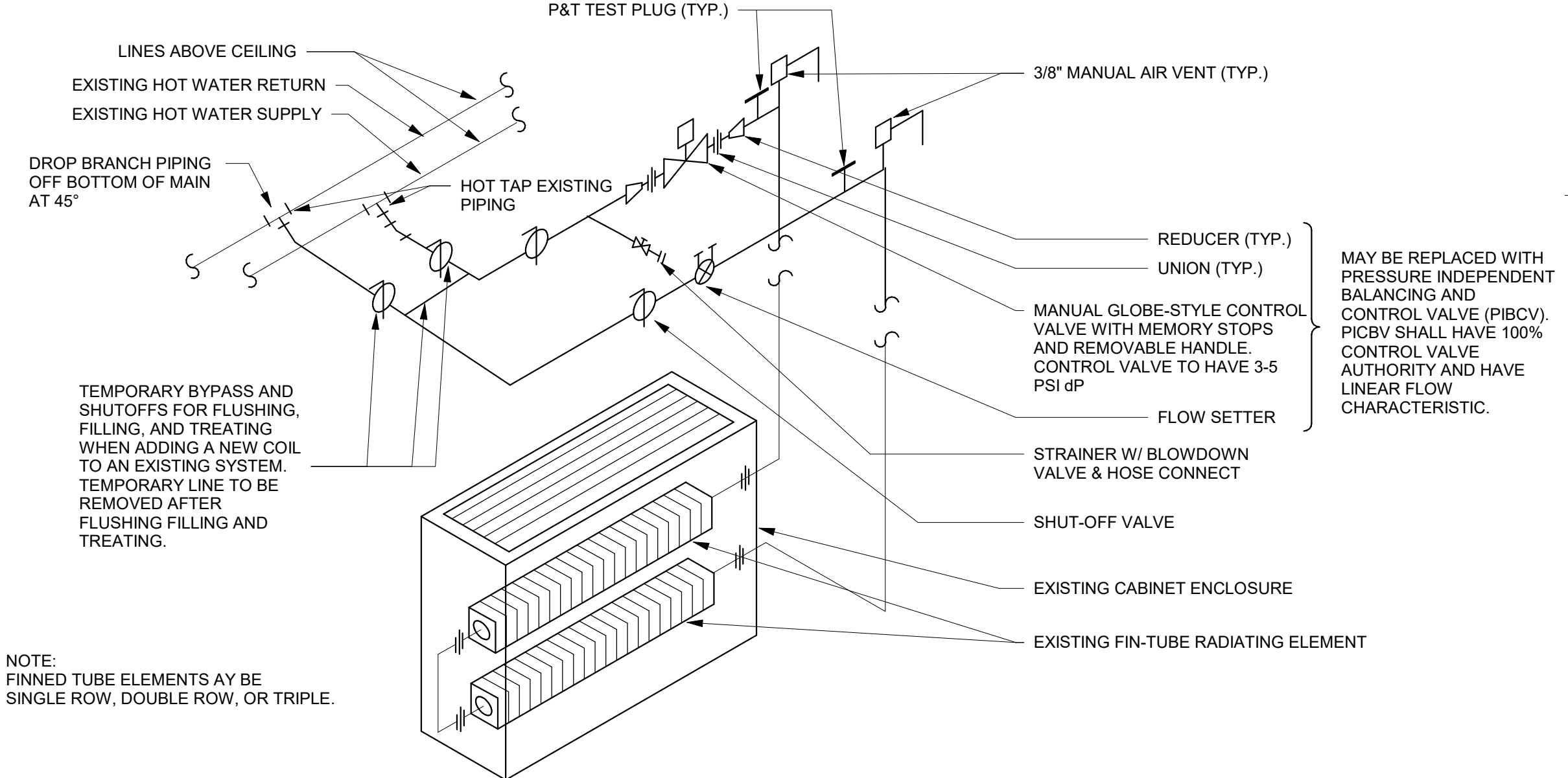
**4 FLAT OVAL DUCT SUPPORT DETAIL**  
1/8" = 1'-0"



**3 DUCT ELBOW - ROUND**  
1/8" = 1'-0"



**2 CEILING DIFFUSER**  
1/8" = 1'-0"



**1 FINNED TUBE RADIATION PIPING SCHEMATIC**  
1/8" = 1'-0"

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D

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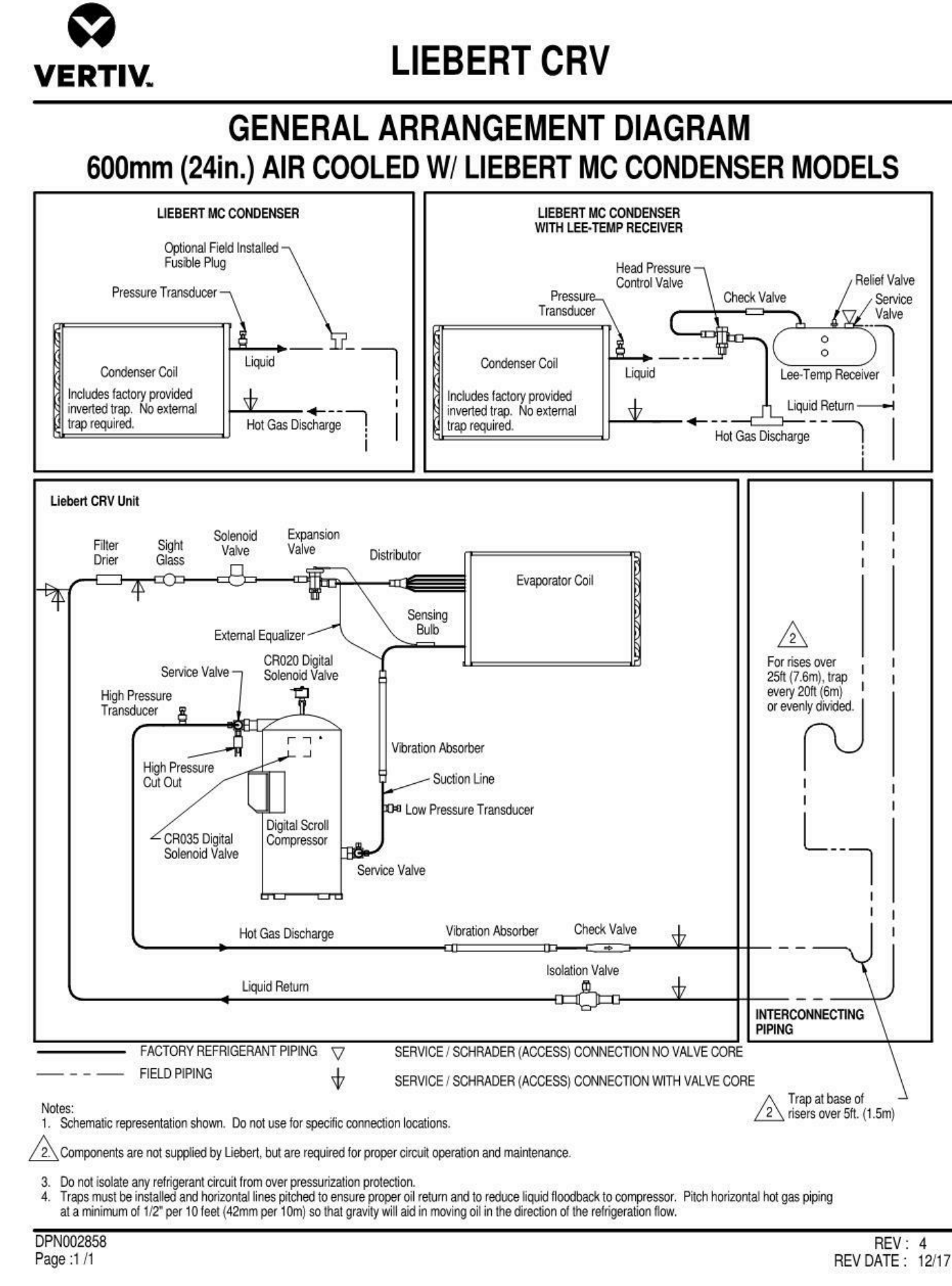
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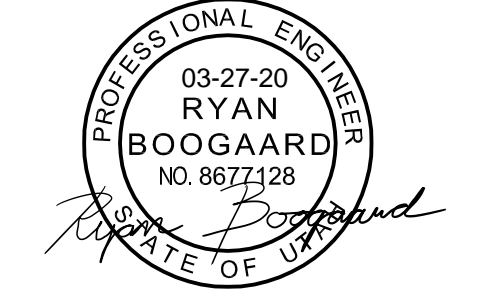
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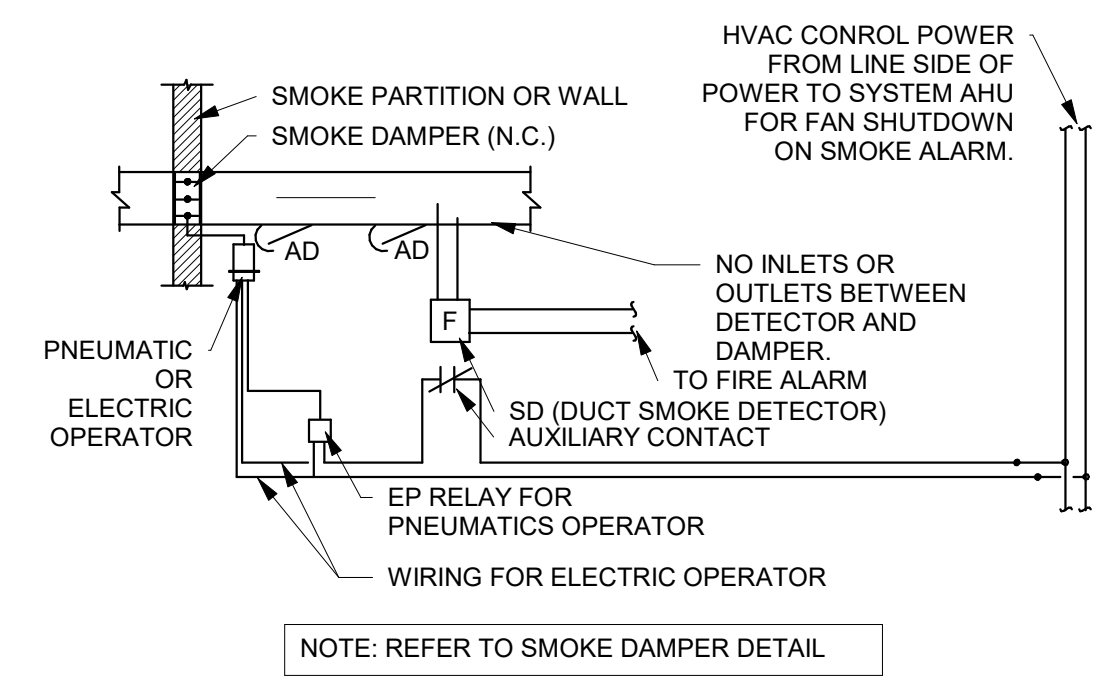
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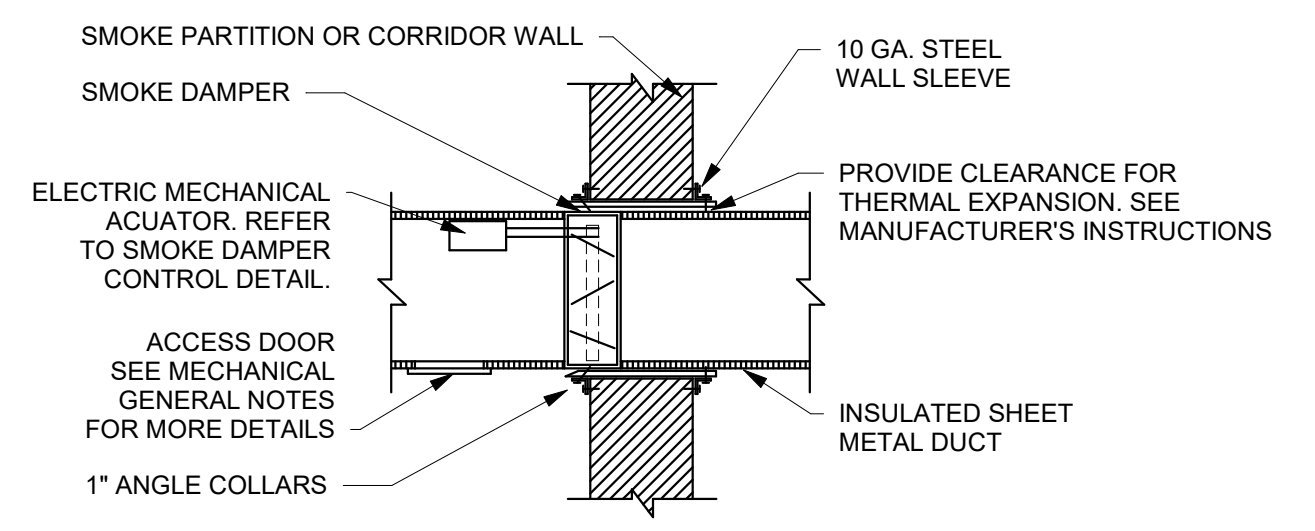
**SPECTRUM ENGINEERS**  
 324 S. State St., Suite 400  
 Salt Lake City, UT 84111  
 801-678-7077  
 801-328-5151  
 fax: 801-328-5155  
 www.spectrum-engineers.com

PROJECT DESCRIPTION  
**INTERMOUNTAIN HEALTHCARE KEY BANK TOWER LEVEL 09**  
 36 S STATE STREET  
 SALT LAKE CITY, UT 84111

AHJ STAMP



**2 FIRE/SMOKE DAMPER CONTROL**  
 1/8" = 1'-0"



**1 FIRE/SMOKE DAMPER**  
 1/8" = 1'-0"

SHEET NAME:

MECHANICAL DETAILS

REVISIONS

MARK	DATE	DESCRIPTION
------	------	-------------

ISSUE DATE: 03/27/20  
 ISSUE TYPE: CD SET  
 DRAWN BY: Author  
 CHECKED BY: Checker  
 PROJECT#: 1953  
 SHEET NUMBER:

**ME502**

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D

C

B

A

### DUAL DUCT BOX SCHEDULE

Table with columns: LABEL, INLET SIZE, LOCATION, AIR FLOW (COOLING, HEATING), MAX AIR FLOW, MIN AIR FLOW, AIR FLOW (COOLING, HEATING), APD, MAX NC LEVEL, WEIGHT, MANUFACTURER, MODEL, REMARKS.

- 1. MAX RADIATED AND DISCHARGE NC OF 30 AT 1.0" PD. NC RATING BASED OFF OF AHRI STANDARD 885-2008
2. 1/2 IN. THICK, MIN. 1.5 LB DENSITY FIBERGLASS INTERNAL INSULATION.
3. PRESSURE INDEPENDENT OPERATION.
4. PROVIDE NEMA 1 ENCLOSURE FOR CONTROLS.
5. PROVIDE INSULATED ACCESS PANEL.
6. ACCEPTABLE MANUFACTURERS: TRANE, PRICE, KRUEGER, TITUS OR PRIOR APPROVED EQUAL.
7. CONTROLS SHALL BE TRANE. SEQUENCE OF UNITS TO BE VARIABLE AIR VOLUME.

### EXHAUST FAN SCHEDULE

Table with columns: LABEL, CFM, STATIC PRESSURE, FAN RPM, SOUND RATING, WEIGHT, W, FLA, VOLTAGE, PHASE, Hz, MANUFACTURER, MODEL, REMARKS.

- 1. PROVIDE WITH BACKDRAFT DAMPER, DISCONNECT SWITCH, SUPPORT BRACKETS AND ISOLATOR, FLEXIBLE CONNECTION, BELT TENSIONER (BELT DRIVE MODELS ONLY)
2. PROVIDE VARIABLE SPEED CONTROLLER FOR ALL DIRECT DRIVE FANS. TEST AND BALANCE CONTRACTOR SHALL MARK BALANCED POSITION ON CONTROLLER.
3. INTERLOCK WITH LIGHTS AND PROVIDE 10 MINUTE RUN DELAY
4. ACCEPTABLE MANUFACTURERS: COOK, GREENHECK, PENN BARRY OR PRIOR APPROVED EQUAL
5. PROVIDE FACTORY AUTHORIZED STARTUP OF EQUIPMENT INCLUDING STARTUP OF ANY FACTORY CONTROLS TO ENSURE PROPER SEQUENCING AND/OR COMMUNICATION TO BMS.

### REGISTER - GRILLE- DIFFUSER SCHEDULE

Table with columns: LABEL, TYPE, BLOW PATTERN, MAX AIR FLOW (CFM), FACE SIZE, NECK SIZE, NC, PRESSURE DROP (in-wg), THROW, MANUFACTURER, MODEL, REMARKS.

- 1. PROVIDE TRANSITION AS NECESSARY
2. PROVIDE LAY-IN MODULE AS NECESSARY
3. COLOR BY ARCHITECT
4. PROVIDE WITH AIR-SCOOP FOR BALANCING
5. PROVIDE OWNER WITH TWO LINEAR SLOT ADJUSTMENT TOOLS FOR MODIFYING AIRFLOW DIRECTION
6. LINEAR SLOT DIFFUSER TO HAVE CONTINUOUS LOOK WHEN MULTIPLE ARE ADJACENT TO EACH OTHER.
7. ACCEPTABLE MANUFACTURERS: PRICE, KRUEGER, TITUS OR PRIOR APPROVED EQUAL.

### CRAC INDOOR UNIT SCHEDULE

Table with columns: LABEL, AREA SERVED, CFM, COOLING (TOTAL, SENSIBLE), MCA, VOLTS, PHASE, HZ, MOCP, WEIGHT, MANUFACTURER, MODEL, REMARKS.

- 1. CAPACITIES @ 4500' ELEVATION. CAPACITY BASED ON 90 F DB (61.6 WB) & 27% RH @ 105 F OUTDOOR AMBIENT.
2. UNIT IS A LIEBERT CRV COOLED UNIT, INROW COOLING FRONT SUPPLY/REAR RETURN, DIGITAL-SCROLL COMPRESSOR, EC FANS - VSD (ENERGY EFF.).
3. UNIT TO COME WITH THE FOLLOWING OPTIONS: FACTORY LOCKING DISCONNECT, ICOM MICROPROCESSOR \*\*, NO HUMIDIFIER, NO REHEAT.
4. UNIT TO COME WITH: CONDENSATE PUMP, LEAK DETECTOR-LIQUITECT, COLOR: BLACK GRAY MATTE, LOW SOUND PACKAGE.
5. PROVIDE EQUIPMENT WHICH IS DESIGNED TO WORK WITH R-410A REFRIGERANT (HFC).
6. PROVIDE 1 YEAR OTHER PARTS WARRANTY, 5 YEAR COMPRESSOR WARRANTY.
7. PROVIDE INTELLISLOT IS-UNITY-DP CARD FOR REMOTE COMMUNICATION VIA SNMP, MODBUS, OR BACNET/IP.
8. PROVIDE RIGID FLOOR MOUNT BRACKET.

### CRAC CONDENSING UNIT SCHEDULE

Table with columns: LABEL, EQUIPMENT SERVED, COOLING TOTAL, MCA, VOLT, PHASE, MOCP, WEIGHT, MANUFACTURER, MODEL, REMARKS.

- 1. UNIT IS A LIEBERT OUTDOOR MICROCHANNEL CONDENSER WITH EC PLUG FAN AND VSD CONTROL.

### COOLING ONLY VAV SCHEDULE

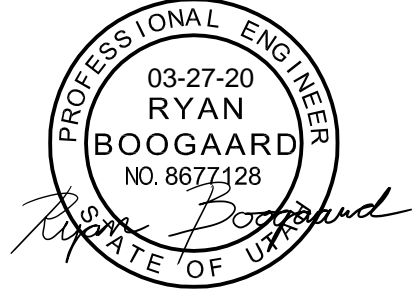
Table with columns: LABEL, INLET DIAMETER, OUTLET (HEIGHT, WIDTH), COOLING AIR FLOW MAX. (CFM), MIN. AIR FLOW (CFM), SOUND RATING, WEIGHT, MANUFACTURER, MODEL, REMARKS.

- 1. NC BASED OFF OF AHRI STANDARD 885-2008.
2. 1/2" THICK, MIN. 1.5 LB DENSITY FIBERGLASS INTERNAL INSULATION.
3. PRESSURE INDEPENDENT OPERATION.
4. PROVIDE NEMA 1 ENCLOSURE FOR CONTROLS.
5. PROVIDE AN INSULATED ACCESS PANEL.
6. ACCEPTABLE MANUFACTURERS: TRANE, PRICE, KRUEGER, TITUS, OR PRIOR APPROVED EQUAL.
7. UNIT TO BE FIRST STAGE OF COOLING.



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ARCHITECT / CONSULTANT



SPECTRUM ENGINEERS 324 S. State St., Suite 400 Salt Lake City, UT 84111 800-678-7077 801-328-5151 www.spectrum-engineers.com

PROJECT DESCRIPTION

## INTERMOUNTAIN HEALTHCARE KEY BANK TOWER LEVEL 09

36 S STATE STREET SALT LAKE CITY, UT 84111

AHJ STAMP

SHEET NAME:

### MECHANICAL SCHEDULES

REVISIONS

Table with columns: MARK, DATE, DESCRIPTION

ISSUE DATE: 03/27/20 ISSUE TYPE: CD SET DRAWN BY: TAC CHECKED BY: RHB PROJECT#: 1953 SHEET NUMBER:

# ME601

MECHANICAL GENERAL NOTES

- 1. ALL EQUIPMENT TO BE SELECTED BASED OFF OF SITE INFORMATION. ELEVATION: 4500 FT SDB: 97 DEGREES SWB: 67 DEGREES WDB: 9 DEGREES...

MECHANICAL GENERAL NOTES

- 12. CONTROLS TO MATCH EXISTING TRANE CONTROLS. TIE INTO EXISTING TRANE CONTROLS DDC SYSTEM AND UPDATED GRAPHICS. PROVIDE ENGINEER WITH 2 WEEKS OF TRENDS SHOWING PROPER OPERATION OF EQUIPMENT UPON COMPLETION OF PROJECT...

MECHANICAL GENERAL NOTES

- 20. TREAT ALL WATER IN HYDRONIC PIPING. CLEAN PIPING PRIOR TO ADDING CHEMICAL TREATMENT BY FILLING SYSTEM WITH FRESH WATER AND ADD LIQUID ALKALINE COMPOUND WITH EMULSIFYING AGENTS AND DETERGENTS TO REMOVE GREASE AND PETROLEUM PRODUCTS FROM PIPING...

MECHANICAL GENERAL NOTES

- 25. GENERAL CONTRACTOR SHALL HIRE A 3RD PARTY COMMISSIONING AGENT TO COMMISSION NEW HVAC EQUIPMENT. COMMISSIONING AGENT SHALL BE LICENSED MECHANICAL ENGINEER. COMMISSIONING AGENT TO PROVIDE COMMISSIONING PLAN LISTING EQUIPMENT AND TEST TO BE PERFORMED TO ENGINEER FOR REVIEW...

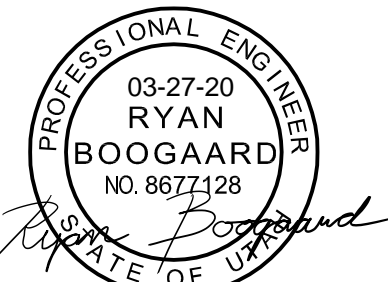
SHEET KEYNOTES

- 1. PROVIDE SOUND BOOT IN THIS APPROXIMATE LOCATION. SEE SOUND BOOT THROUGH WALL DETAIL ON ME501.



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PROJECT DESCRIPTION

INTERMOUNTAIN HEALTHCARE KEY BANK TOWER LEVEL 09

36 S STATE STREET SALT LAKE CITY, UT 84111

AHJ STAMP

SHEET NAME:

LEVEL 9 MECHANICAL PLAN

REVISIONS

MARK DATE DESCRIPTION

ISSUE DATE: 03/27/20

ISSUE TYPE: CD SET

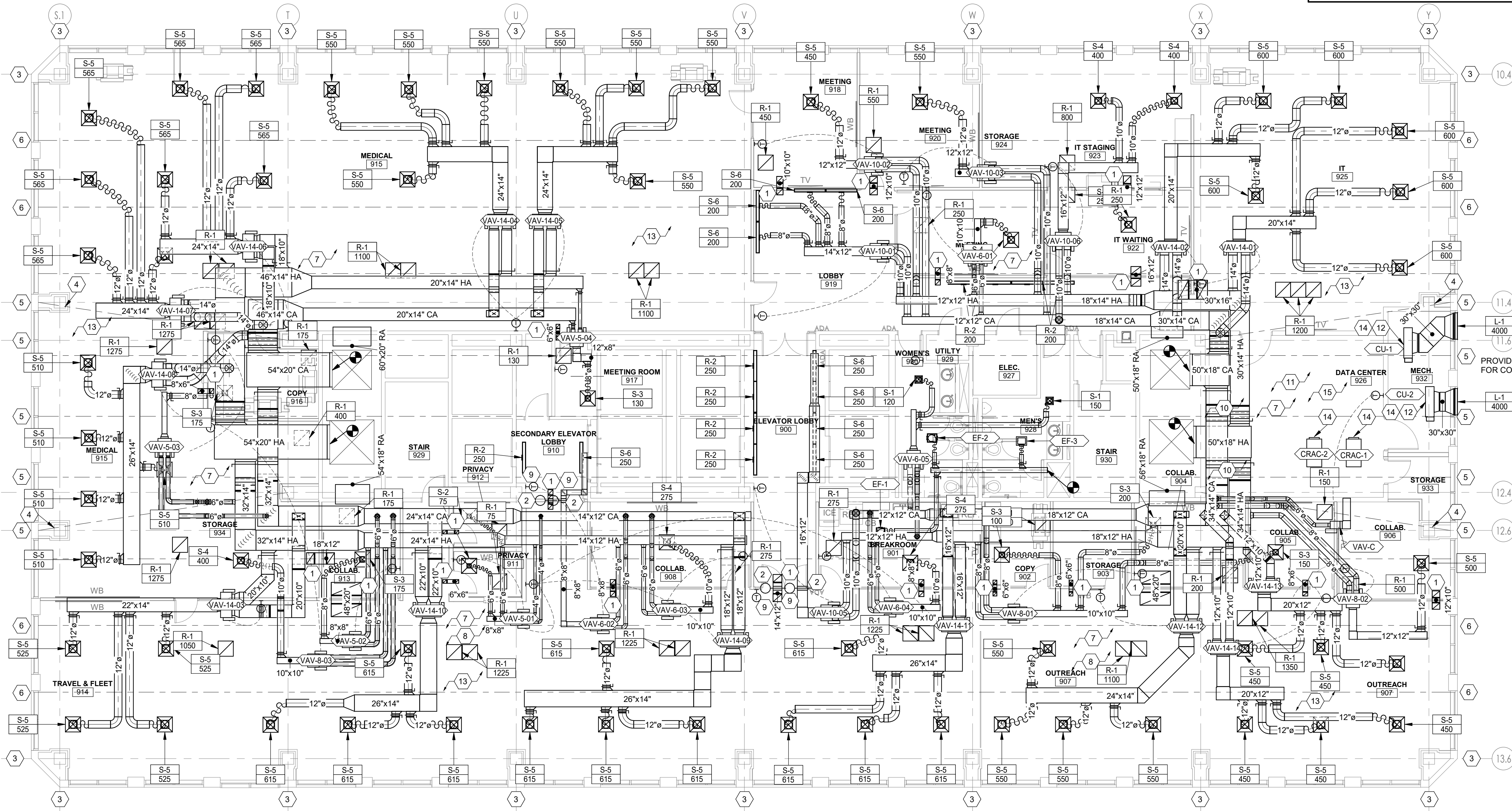
DRAWN BY: TAC

CHECKED BY: RHB

PROJECT#: 1953

SHEET NUMBER:

MH101



1 LEVEL 9 MECHANICAL PLAN 1/8" = 1'-0"

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- 2. ALL LOW PRESSURE RECTANGULAR DUCTWORK TO BE LINED WITH INSULATION WITH AN R-VALUE OF R-6. ALL LOW PRESSURE ROUND DUCTWORK TO BE WRAPPED WITH INSULATION WITH AN R-VALUE OF R-6. NO DUCT LINER IN OUTSIDE AIR DUCTWORK OR DUCTWORK WITH IN DUCT HUMIDIFIERS.
- 3. ALL MEDIUM PRESSURE DUCTWORK TO BE SINGLE WALL WITH EXTERNAL WRAP INSULATION. NO DUCT LINER IN OUTSIDE AIR DUCTWORK OR DUCTWORK WITH IN DUCT HUMIDIFIERS.
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- 7. PROVIDE BALANCING DAMPER WITH LOCKING QUADRANT IN EACH DUCT BRANCH OF SUPPLY AND EXHAUST DUCTWORK
- 8. GC TO HIRE NEBB OR AABC CERTIFIED THIRD PARTY TEST AND BALANCE (TAB) CONTRACTOR. TAB CONTRACTOR SHALL ADJUST SHEAVES, BELTS, DAMPERS, ETC AS NECESSARY TO BALANCE SYSTEM TO AIR FLOWS REQUIRED AT LOWEST POSSIBLE SPEEDS. FOLLOW PROCEDURES AS Laid FORTH IN THE CURRENT VERSION OF "PROCEDURAL STANDARDS FOR TESTING ADJUSTING AND BALANCING OF ENVIRONMENTAL SYSTEMS" BY NEBB. PROVIDE REPORT ON NEBB FORMS TO ENGINEER FOR REVIEW.
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- 14. FIELD VERIFY EXISTING FIELD CONDITIONS PRIOR TO ORDERING OR FABRICATING.
- 15. CONTRACTOR SHALL SUBMIT WITH BID, AN ITEMIZED COST BREAKDOWN LISTING ALL MAJOR COMPONENTS, LABOR COST (INCLUDING SUBCONTRACTOR LABOR AND MATERIAL COST), AND ENGINEERING COSTS, FOR BASE BID AND FOR EACH ALTERNATE, FOR THE ENTIRE WORK SCOPE OF THE LABORATORY CONTROLS. WHEN REQUESTED, PROVIDE THE ITEMIZED BREAKDOWN TO THE OWNER POST BID, FOR REVIEW AND APPROVAL.
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**MECHANICAL GENERAL NOTES**

- 20. TREAT ALL WATER IN HYDRONIC PIPING. CLEAN PIPING PRIOR TO ADDING CHEMICAL TREATMENT BY FILLING SYSTEM WITH FRESH WATER AND ADD LIQUID ALKALINE COMPOUND WITH EMULSIFYING AGENTS AND DETERGENTS TO REMOVE GREASE AND PETROLEUM PRODUCTS FROM PIPING. CIRCULATE SOLUTION FOR A MINIMUM OF 24 HOURS, DRAIN, CLEAN STRAINER SCREENS, AND REFILL WITH FRESH WATER. DO NOT USE SYSTEM PUMPS FOR CLEAN OR TREATING. A SEPARATE/TEMPORARY FLUSH PUMP MUST BE USED. PERFORM AN ANALYSIS OF MAKEUP WATER TO DETERMINE TYPE AND QUANTITIES OF CHEMICAL TREATMENT NEEDED TO KEEP SYSTEM FREE OF SCALE, CORROSION, AND FOULING AND ADD NECESSARY CHEMICALS TO SYSTEM. PROVIDE SYSTEM WITH CHEMICAL POT FEEDER. PROVIDE WRITTEN REPORTS OF TESTING RESULTS TO ENGINEER FOR REVIEW. INCLUDE 1 YEAR OF SERVICE FOR CHEMICAL TREATMENT INCLUDING CHEMICALS. APPROVED CHEMICAL TREATMENT CONTRACTORS ARE POWERS ENGINEERING AND W.E.S.T. INC.
- 21. AUTOMATIC CONTROL VALVES SHALL BE TWO WAY PRESSURE INDEPENDENT BALL VALVES. PRESSURE INDEPENDENT VALVES SHALL PROVIDE 100% CONTROL VALVE AUTHORITY AND SHALL HAVE LINEAR FLOW CHARACTERISTIC. BALANCING CONTRACTOR SHOULD SUBMIT TWO DIFFERENT PRICES: ONE WITH MANUAL BALANCING VALVES AND ONE WITH PRESSURE INDEPENDENT CONTROL VALVES.
- 22. TEST DUCTWORK PER CURRENT SMACNA HVAC AIR DUCT LEAKAGE TEST MANUAL. 1" WATER GAGE PRESSURE CLASS IS THE BASIS OF COMPLIANCE EXCEPT WHEN THE DUCT IS VARIABLE VOLUME. ALL VARIABLE VOLUME DUCT UPSTREAM OF VAV BOXES HAS A 2" W.G BASIS OF COMPLIANCE. RECTANGULAR DUCTWORK TO HAVE A LEAKAGE CLASSIFICATION OF 24 AND ROUND DUCTWORK A LEAKAGE CLASSIFICATION OF 12. TEST TWO DIFFERENT SECTIONS OF DUCT 30' IN LENGTH OR GREATER. IF EITHER DUCT SECTION FAILS TWO DIFFERENT SECTION ALSO TO BE TESTED. RE-SEAL ANY FAILED DUCT SECTIONS AND RE-TEST AFTER SEALANT HAS CURED. PREPARE REPORTS WITH TEST RESULTS AND ANY ACTION TAKEN.
- 23. PROVIDE FACTORY AUTHORIZED STARTUP OF ALL EQUIPMENT INCLUDING STARTUP OF ALL FACTORY CONTROLS TO ENSURE PROPER SEQUENCING AND/OR COMMUNICATION TO BMS.
- 24. FIRE/SMOKE DAMPERS MUST BE PROVIDED WITH AN APPROVED MEANS OF ACCESS, LARGE ENOUGH TO PERMIT INSPECTION AND MAINTENANCE OF THE DAMPER AND ITS OPERATING PARTS. THE ACCESS MUST NOT AFFECT THE INTEGRITY OF FIRE-RESISTANCE RATED ASSEMBLIES. THE ACCESS OPENINGS MUST NOT REDUCE THE FIRE-RESISTANCE RATING OF THE ASSEMBLY. ACCESS POINTS MUST BE PERMANENTLY IDENTIFIED ON THE EXTERIOR BY A LABEL HAVING LETTERS NOT LESS THAN 0.5 INCH IN HEIGHT READING: "FIRE/SMOKE DAMPER, SMOKE DAMPER OR FIRE DAMPER". ACCESS DOORS IN MUST BE TIGHT FITTING AND SUITABLE FOR THE REQUIRED DUCT CONSTRUCTION.

**MECHANICAL GENERAL NOTES**

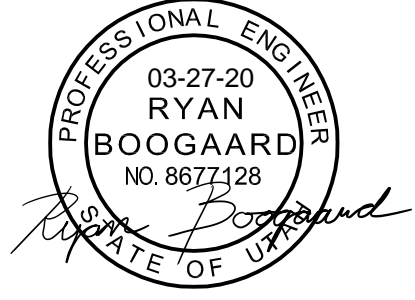
- 25. GENERAL CONTRACTOR SHALL HIRE A 3RD PARTY COMMISSIONING AGENT TO COMMISSION NEW HVAC EQUIPMENT. COMMISSIONING AGENT SHALL BE LICENSED MECHANICAL ENGINEER. COMMISSIONING AGENT TO PROVIDE COMMISSIONING PLAN LISTING EQUIPMENT AND TEST TO BE PERFORMED TO ENGINEER FOR REVIEW. COMMISSIONING AGENT SHALL PROVIDE REPORT STATING ANY SYSTEM DEFICIENCIES AND LISTING ANY DEFERRED TESTS.
- 26. PROVIDE OPERATION AND MAINTENANCE MANUALS (O&M) WITHIN 30 DAYS OF CERTIFICATE OF OCCUPANCY FOR ALL EQUIPMENT IN DIGITAL FORMAT TO ENGINEER FOR REVIEW. O&M'S SHALL INCLUDE DOCUMENTATION OF ALL WARRANTIES, REPORTS AND TESTS. RECORD DRAWINGS, CONTROLS SEQUENCE OF OPERATIONS WITH DIAGRAMS, & EQUIPMENT INFORMATION. EQUIPMENT INFORMATION INCLUDES MAKE & MODEL, WIRING, PIPING, STARTUP, SHUTDOWN, TROUBLE SHOOTING, AND MAINTENANCE PROCEDURES.
- 27. CONTRACTOR TO PROVIDE ALL DUCT RISER/OFFSET FITTINGS AS REQUIRED TO ROUTE THE DUCTING AS SHOWN. VERIFY EXISTING BEAM HEIGHTS BEFORE THE START OF CONSTRUCTION.
- 28. PROVIDE REMOTE CABLE OPERATED DAMPERS FOR ALL DUCTWORK ABOVE HARD LID CEILINGS OR WHERE DAMPER IS INACCESSIBLE OR PROVIDE OPPOSED BLADE DAMPER WITH NYLON BUSHINGS AT GRILLE.
- 29. PROVIDE ACCESS DOORS FOR ALL SERVICEABLE EQUIPMENT OR VALVES ABOVE HARD LID CEILINGS OR IN WALLS. ALL ACCESS PANELS ARE TO BE PAINTED TO MATCH ADJACENT SURFACES.
- 30. ALL MATERIALS WITHIN PLENUMS SHALL BE NONCOMBUSTIBLE OR SHALL BE LISTED AND LABELED AS HAVING A FLAME SPREAD INDEX OF NOT MORE THAN 25 AND A SMOKE-DEVELOPED INDEX OF NOT MORE THAN 50 WHEN TESTED IN ACCORDANCE WITH ASTM E 84 OR UL 723.
- 31. PROVIDE SOUND BOOT ON ALL RETURN GRILLES. SOUND BOOT TO BE SHEET METAL WITH ACOUSTICAL DUCT LINER. DUCT BOARD IS NOT AN APPROVED MATERIAL FOR SOUND BOOTS. SEE SOUND BOOT DETAIL.
- 32. MECHANICAL PIPING SCHEDULE:
  - 1. HYDRONIC PIPING 3" AND UNDER = TYPE L COPPER - PROGRESS FITTING JOINTS

**SHEET KEYNOTES**

- 1. HYDRONIC SUPPLY/RETURN PIPING TO BE SUFFICIENTLY LABELED/MARKED FOR MAINTENANCE PURPOSES.
- 2. SPLIT EXISTING FIN TUBE AND ENCLOSURE.
- 3. EXISTING FIN TUBE HEATERS TO REMAIN.
- 4. CONNECT TO EXISTING HHWS IN THIS APPROXIMATE LOCATION.
- 5. CONNECT TO EXISTING HHWR IN THIS APPROXIMATE LOCATION.
- 6. PROVIDE WALL ACCESS PANELS FOR ALL HYDRONIC VALVES.



ARCHITECT / CONSULTANT



PROJECT DESCRIPTION

**INTERMOUNTAIN HEALTHCARE KEY BANK TOWER LEVEL 09**

36 S STATE STREET SALT LAKE CITY, UT 84111

AHJ STAMP

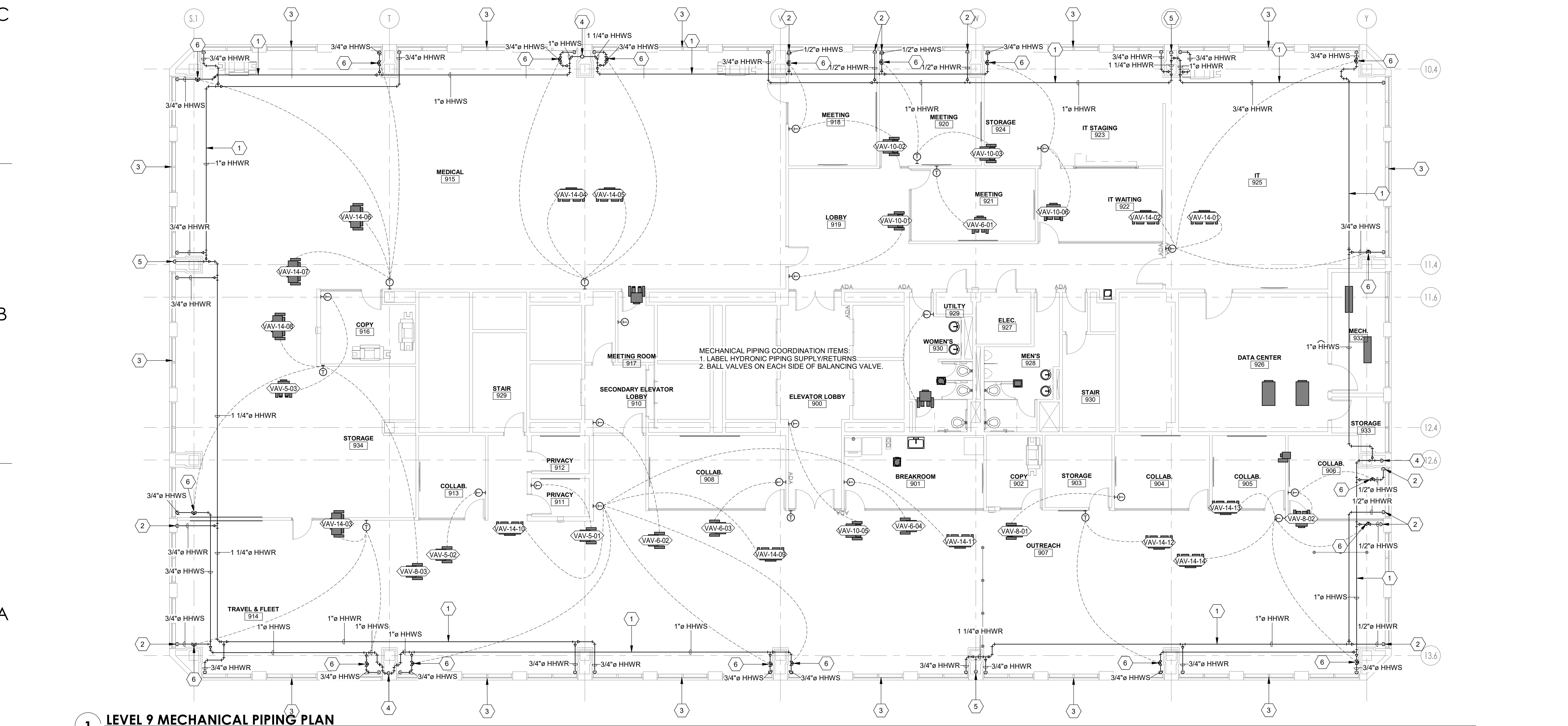
SHEET NAME:  
**LEVEL 9 MECHANICAL PIPING PLAN**

REVISIONS

MARK	DATE	DESCRIPTION
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ISSUE DATE: 03/27/20  
ISSUE TYPE: CD SET  
DRAWN BY: TAC  
CHECKED BY: RHB  
PROJECT#: 1953  
SHEET NUMBER:

**MP101**



**1 LEVEL 9 MECHANICAL PIPING PLAN**  
1/8" = 1'-0"



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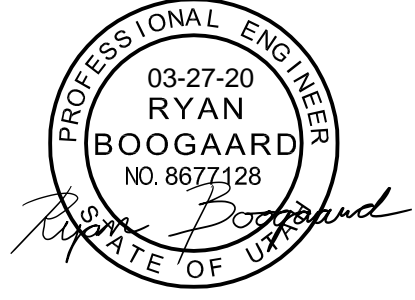


703 east 1700 south  
salt lake city, utah 84105  
www.ajcarchitects.com

PLUMBING FIXTURE SCHEDULE								
LABEL	DESCRIPTION	WASTE	VENT	CW	HW	MANUFACTURER	MODEL	REMARKS
EWC-1	DRINKING FOUNTAIN	1 1/2"	1 1/4"	1/2"	0"	ELKAY	LZS8WSLP	
FD-1	FLOOR DRAIN	3"	0"	0"	0"	ZURN	Z1930	
L-1	LAVATORY	2"	1 1/4"	1/2"	1/2"	KOHLER / SLOAN	K-2210 / EAF-350-CP	1
S-1	SINK	2"	1 1/4"	1/2"	1/2"	ELKAY / MOEN	EFRU2816TC / 5923EWBL	5
U-1	URINAL	2"	1 1/4"	3/4"	0"	KOHLER / KOHLER	K-4904-ET / K-10958	
WC-1	FLUSH VALVE WATER CLOSET	4"	2"	1 1/4"	0"	KOHLER / KOHLER	K-4325 / K-10956	2
WC-2	FLUSH VALVE ADA WATER CLOSET	4"	2"	1 1/4"	0"	KOHLER / KOHLER	K-4325 / K-10956	2,3

- FLOOR DRAIN - PROVIDE WITH TRAP GUARD BY SURESEAL OR EQUAL TO MATCH FLOOR DRAIN SIZE.
- WATER CLOSET - PROVIDE WATER CLOSET WITH A MAP SCORE OF 1000.
- ADA WATER CLOSET - MOUNT AT ADA HEIGHT.
- LAVATORY - PROVIDE WITH T&S MIXING VALVE SET TO 110°F.
- PROVIDE WITH FAUCET CHECK VALVES.

ARCHITECT / CONSULTANT



**SPECTRUM ENGINEERS**  
 324 S. State St., Suite 400  
 Salt Lake City, UT 84111  
 800-678-7077  
 801-328-5151  
 fax: 801-328-5155  
 www.spectrum-engineers.com

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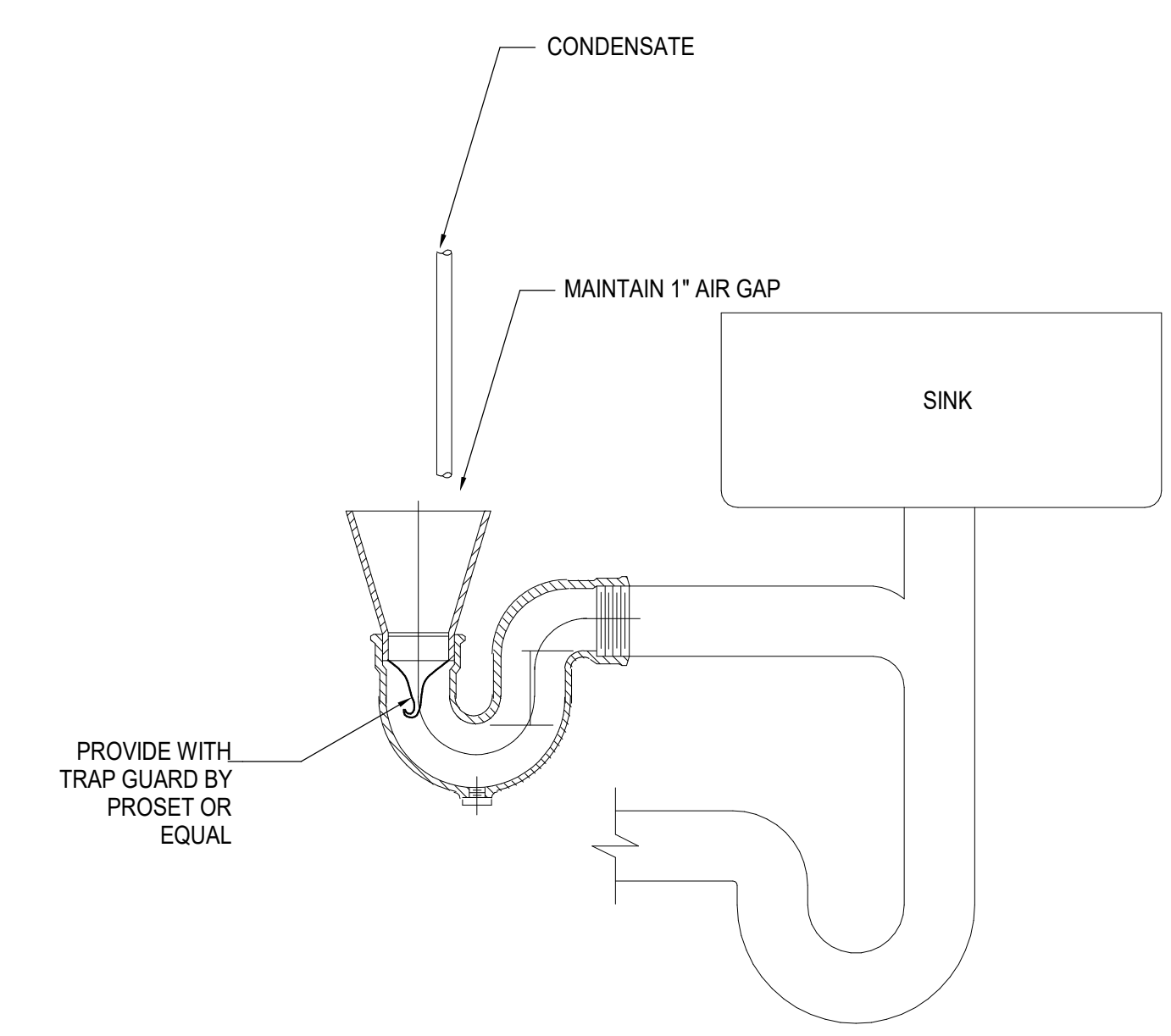
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SHEET NAME:  
**PLUMBING DETAILS & SCHEDULES**

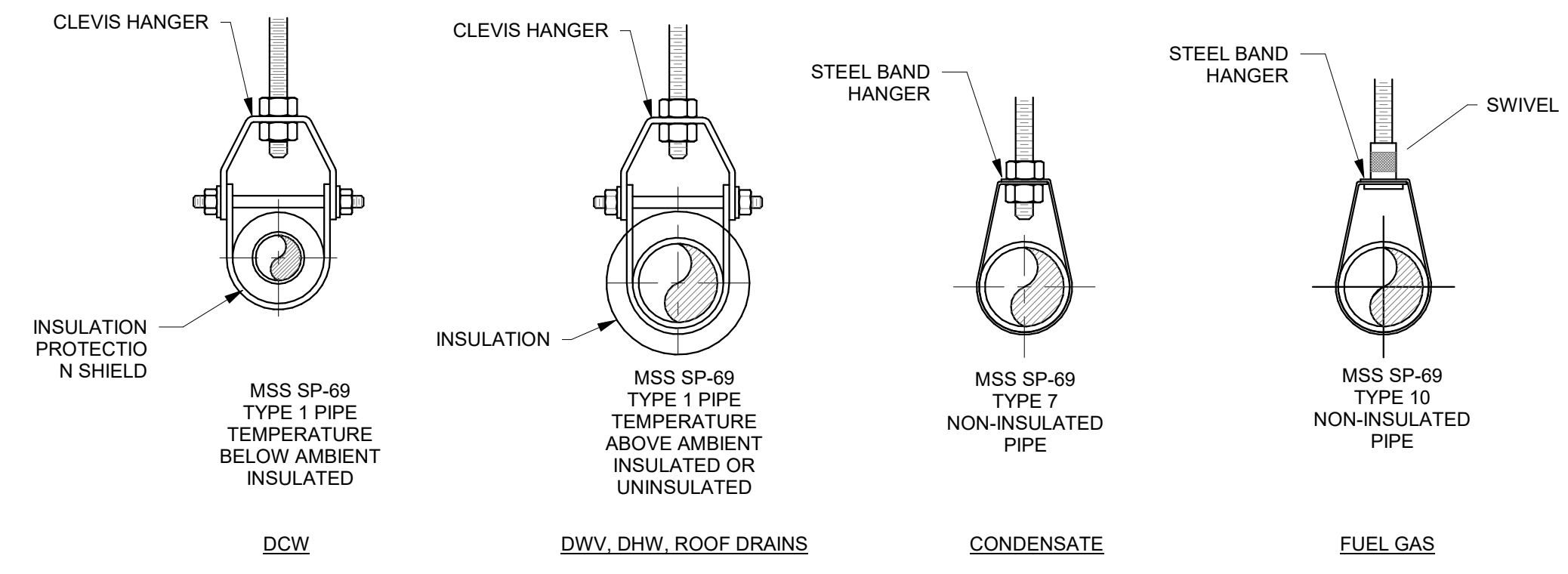
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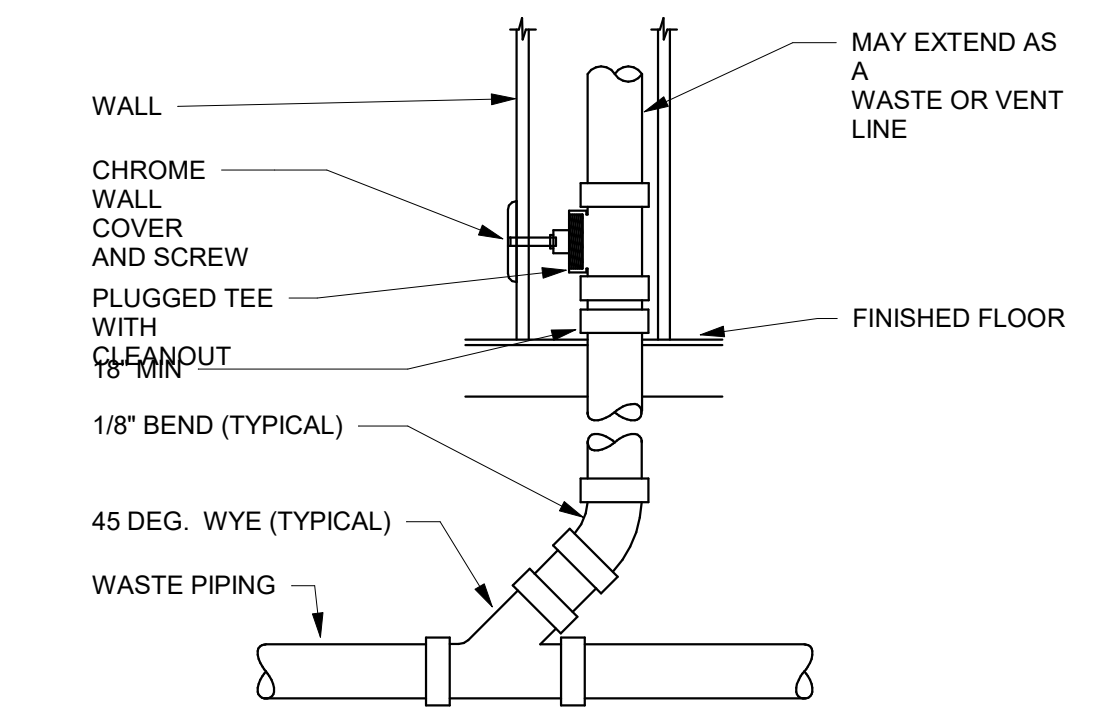
**PE501**



**2 FUNNEL DRAIN DETAIL**  
 1/8" = 1'-0"



**3 PIPE HANGERS**  
 1/8" = 1'-0"



**1 WALL CLEANOUT**  
 1/8" = 1'-0"

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**MECHANICAL GENERAL NOTES**

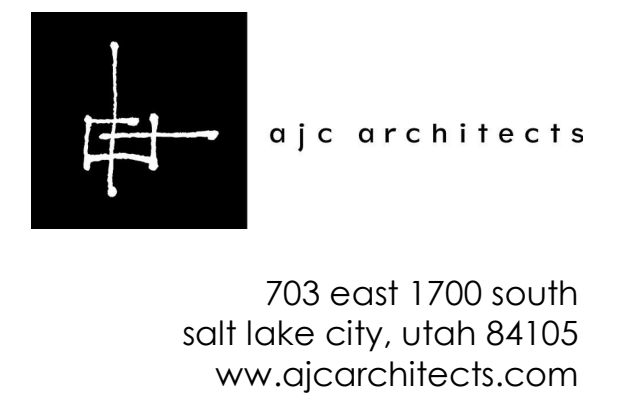
- TREAT ALL WATER IN HYDRONIC PIPING. CLEAN PIPING PRIOR TO ADDING CHEMICAL TREATMENT BY FILLING SYSTEM WITH FRESH WATER AND ADD LIQUID ALKALINE COMPOUND WITH EMULSIFYING AGENTS AND DETERGENTS TO REMOVE GREASE AND PETROLEUM PRODUCTS FROM PIPING. CIRCULATE SOLUTION FOR A MINIMUM OF 24 HOURS. DRAIN, CLEAN STRAINER SCREENS, AND REFILL WITH FRESH WATER. DO NOT USE SYSTEM PUMPS FOR CLEAN OR TREATING. A SEPARATE/TEMPORARY FLUSH PUMP MUST BE USED. PERFORM AN ANALYSIS OF MAKEUP WATER TO DETERMINE TYPE AND QUANTITIES OF CHEMICAL TREATMENT NEEDED TO KEEP SYSTEM FREE OF SCALE, CORROSION, AND FOULING AND ADD NECESSARY CHEMICALS TO SYSTEM. PROVIDE SYSTEM WITH CHEMICAL POT FEEDER. PROVIDE WRITTEN REPORTS OF TESTING RESULTS TO ENGINEER FOR REVIEW. INCLUDE 1 YEAR OF SERVICE FOR CHEMICAL TREATMENT INCLUDING CHEMICALS. APPROVED CHEMICAL TREATMENT CONTRACTORS ARE POWERS ENGINEERING AND W.E.S.T. INC.
- AUTOMATIC CONTROL VALVES SHALL BE TWO WAY PRESSURE INDEPENDENT BALL VALVES. PRESSURE INDEPENDENT VALVES SHALL PROVIDE 100% CONTROL VALVE AUTHORITY AND SHALL HAVE LINEAR FLOW CHARACTERISTIC. BALANCING CONTRACTOR SHOULD SUBMIT TWO DIFFERENT PRICES: ONE WITH MANUAL BALANCING VALVES AND ONE WITH PRESSURE INDEPENDENT CONTROL VALVES.
- TEST DUCTWORK PER CURRENT SMACNA HVAC AIR DUCT LEAKAGE TEST MANUAL. 1" WATER GAGE PRESSURE CLASS IS THE BASIS OF COMPLIANCE EXCEPT WHEN THE DUCT IS VARIABLE VOLUME. ALL VARIABLE VOLUME DUCT UPSTREAM OF VAV BOXES HAS A 2" W.G BASIS OF COMPLIANCE. RECTANGULAR AIR DUCTWORK TO HAVE A LEAKAGE CLASSIFICATION OF 24 AND ROUND DUCTWORK A LEAKAGE CLASSIFICATION OF 12. TEST TWO DIFFERENT SECTIONS OF DUCT 30' IN LENGTH OR GREATER. IF EITHER DUCT SECTION FAILS TWO DIFFERENT SECTION ALSO TO BE TESTED. RE-SEAL ANY FAILED DUCT SECTIONS AND RE-TEST AFTER SEALANT HAS CURED. PREPARE REPORTS WITH TEST RESULTS AND ANY ACTION TAKEN.
- PROVIDE FACTORY AUTHORIZED STARTUP OF ALL EQUIPMENT INCLUDING STARTUP OF ANY FACTORY CONTROLS TO ENSURE PROPER SEQUENCING AND/OR COMMUNICATION TO BMS.
- FIRE/SMOKE DAMPERS MUST BE PROVIDED WITH AN APPROVED MEANS OF ACCESS. LARGE ENOUGH TO PERMIT INSPECTION AND MAINTENANCE OF THE DAMPER AND ITS OPERATING PARTS. THE ACCESS MUST NOT AFFECT THE INTEGRITY OF FIRE-RESISTANCE-RATED ASSEMBLIES. THE ACCESS OPENINGS MUST NOT REDUCE THE FIRE-RESISTANCE RATING OF THE ASSEMBLY. ACCESS POINTS MUST BE PERMANENTLY IDENTIFIED ON THE EXTERIOR BY A LABEL HAVING LETTERS NOT LESS THAN 0.5 INCH IN HEIGHT READING: "FIRE/SMOKE DAMPER, SMOKE DAMPER OR FIRE DAMPER". ACCESS DOORS IN MUST BE TIGHT FITTING AND SUITABLE FOR THE REQUIRED DUCT CONSTRUCTION.

**MECHANICAL GENERAL NOTES**

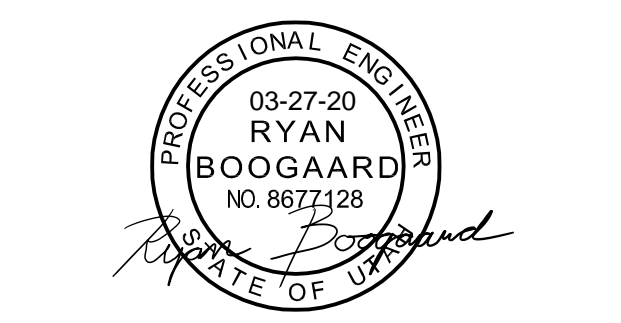
- GENERAL CONTRACTOR SHALL HIRE A 3RD PARTY COMMISSIONING AGENT TO COMMISSION NEW HVAC EQUIPMENT. COMMISSIONING AGENT SHALL BE LICENSED MECHANICAL ENGINEER. COMMISSIONING AGENT TO PROVIDE COMMISSIONING PLAN LISTING EQUIPMENT AND TEST TO BE PERFORMED TO ENGINEER FOR REVIEW. COMMISSIONING AGENT SHALL PROVIDE REPORT STATING ANY SYSTEM DEFICIENCIES AND LISTING ANY DEFERRED TESTS.
- PROVIDE OPERATION AND MAINTENANCE MANUALS (O&M) WITHIN 30 DAYS OF CERTIFICATE OF OCCUPANCY FOR ALL EQUIPMENT IN DIGITAL FORMAT TO ENGINEER FOR REVIEW. O&M'S SHALL INCLUDE DOCUMENTATION OF ALL WARRANTIES, REPORTS AND TESTS, RECORD DRAWINGS, CONTROLS SEQUENCE OF OPERATIONS WITH DIAGRAMS, & EQUIPMENT INFORMATION. EQUIPMENT INFORMATION INCLUDES MAKE & MODEL, WIRING, PIPING, STARTUP, SHUTDOWN, TROUBLE SHOOTING, AND MAINTENANCE PROCEDURES.
- CONTRACTOR TO PROVIDE ALL DUCT RISER/OFFSET FITTINGS AS REQUIRED TO ROUTE THE DUCTING AS SHOWN. VERIFY EXISTING BEAM HEIGHTS BEFORE THE START OF CONSTRUCTION.
- PROVIDE REMOTE CABLE OPERATED DAMPERS FOR ALL DUCTWORK ABOVE HARD LID CEILINGS OR WHERE DAMPER IS INACCESSIBLE OR PROVIDE OPPOSED BLADE DAMPER WITH NYLON BUSHINGS AT GRILLE.
- PROVIDE ACCESS DOORS FOR ALL SERVICEABLE EQUIPMENT OR VALVES ABOVE HARD LID CEILINGS OR IN WALLS. ALL ACCESS PANELS ARE TO BE PAINTED TO MATCH ADJACENT SURFACES.
- ALL MATERIALS WITHIN PLENUMS SHALL BE NONCOMBUSTIBLE OR SHALL BE LISTED AND LABELED AS HAVING A FLAME SPREAD INDEX OF NOT MORE THAN 25 AND A SMOKE-DEVELOPED INDEX OF NOT MORE THAN 50 WHEN TESTED IN ACCORDANCE WITH ASTM E 84 OR UL 723.
- PROVIDE SOUND BOOT ON ALL RETURN GRILLES. SOUND BOOT TO BE SHEET METAL WITH ACOUSTICAL DUCT LINER. DUCT BOARD IS NOT AN APPROVED MATERIAL FOR SOUND BOOTS. SEE SOUND BOOT DETAIL.
- MECHANICAL PIPING SCHEDULE:  
 1. HYDRONIC PIPING 3" AND UNDER = TYPE L COPPER - PROGRESS FITTING JOINTS

**SHEET KEYNOTES**

- REMOVE ALL DIFFUSERS, DUCT WORK, DUAL DUCT BOXES, CONTROLS, ETC. BACK TO MAIN SHAFT. REFER TO ARCHITECTURAL PHASING PLAN SHEET AE400.
- EXISTING HOT WATER SUPPLY RISER TO REMAIN.
- ALL EXISTING FINNED TUBE AND ASSOCIATED PIPING TO REMAIN EXCEPT WHERE NOTED.
- EXISTING HOT WATER RETURN RISER TO REMAIN.
- DEMO AND REMOVE EXISTING LOUVER IN THIS APPROXIMATE LOCATION.



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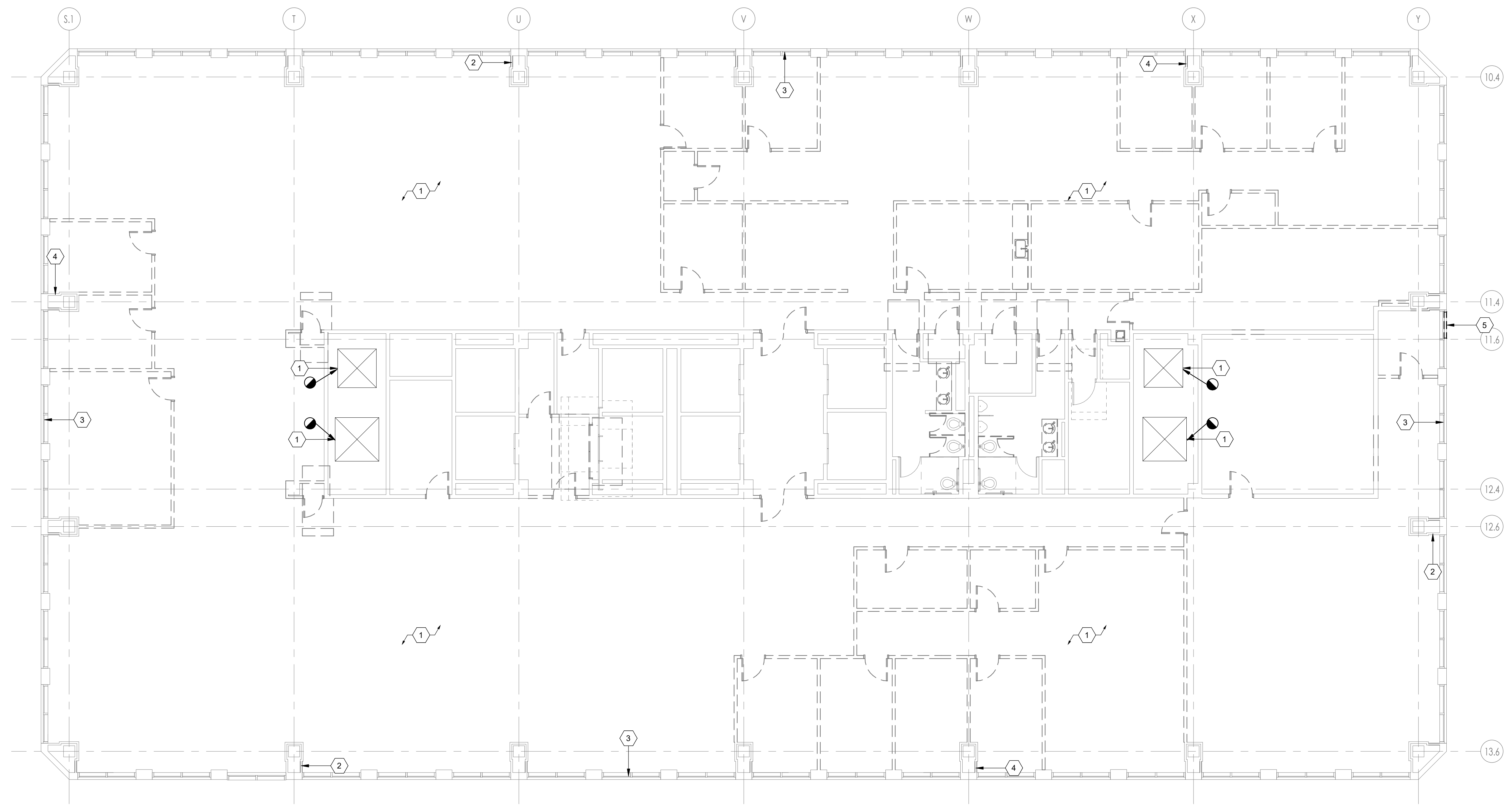
PROJECT DESCRIPTION  
**INTERMOUNTAIN HEALTHCARE KEY BANK TOWER LEVEL 09**  
 36 S STATE STREET  
 SALT LAKE CITY, UT 84111  
 AHJ STAMP

SHEET NAME:  
**LEVEL 9 MECHANICAL DEMO PLAN**

REVISIONS		
MARK	DATE	DESCRIPTION

ISSUE DATE: 03/27/20  
 ISSUE TYPE: CD SET  
 DRAWN BY: TAC  
 CHECKED BY: RHB  
 PROJECT#: 1953  
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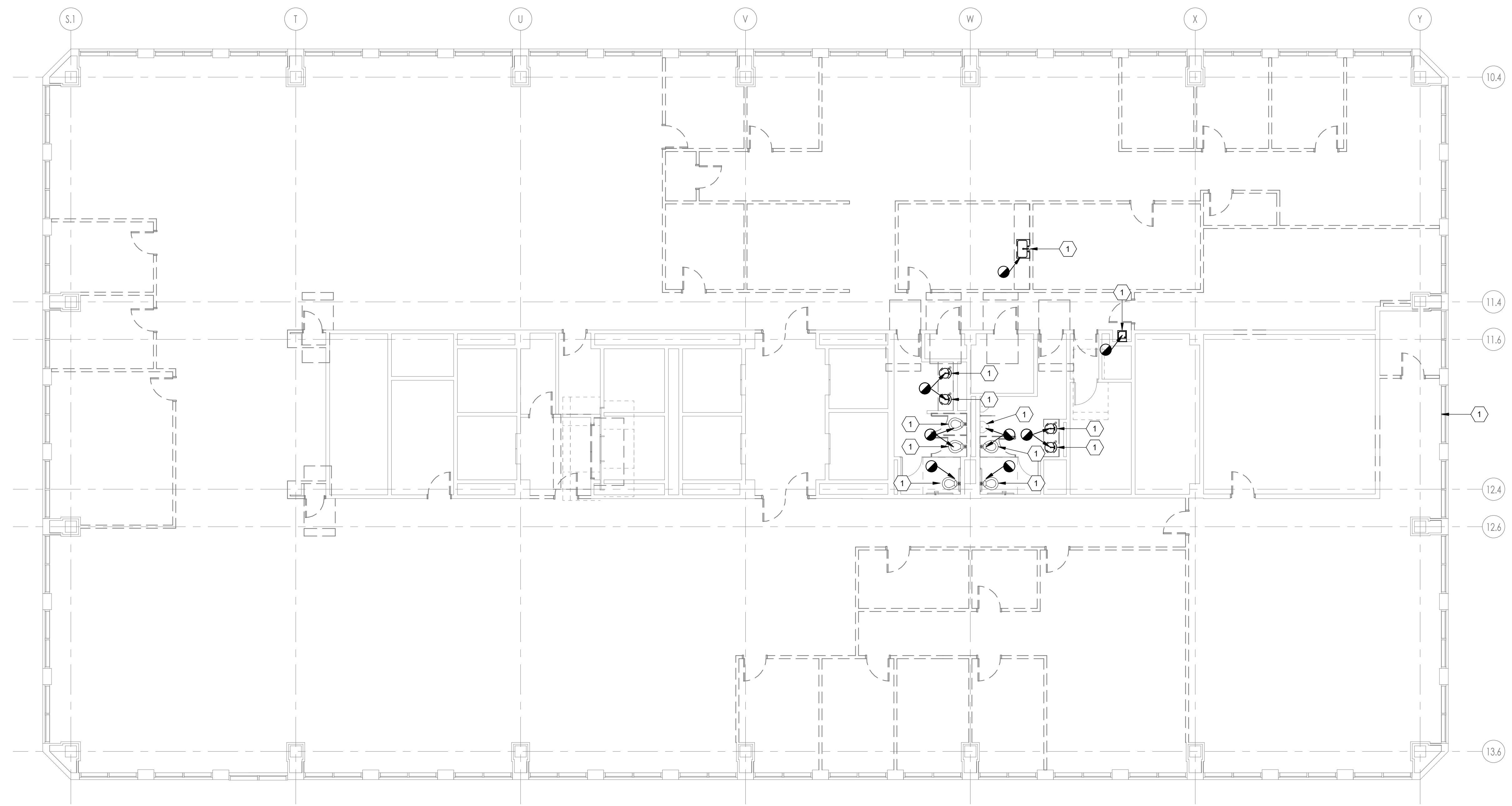
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**1 LEVEL 9 MECHANICAL DEMOLITION PLAN**  
 1/8" = 1'-0"

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**1 LEVEL 9 PLUMBING DEMOLITION PLAN**  
 1/8" = 1'-0"



**PLUMBING GENERAL NOTES**

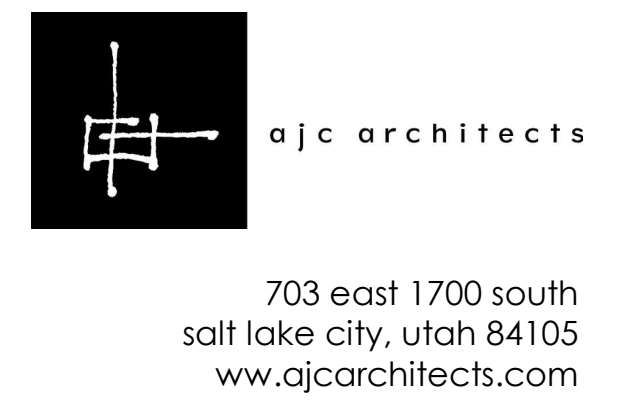
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- DISSIMILAR METAL PIPING CONNECTIONS SHALL HAVE DIELECTRIC ISOLATORS.
- ALL DOMESTIC WATER PIPING TO BE PRESSURE TESTED, CLEANED, AND DISINFECTED. PRESSURE TEST: CAP AND SUBJECT PIPING TO STATIC WATER PRESSURE OF 120 PSIG FOR FOUR HOURS. LEAKS AND LOSS IN TEST PRESSURE CONSTITUTE DEFECTS THAT MUST BE REPAIRED. PROVIDE RESULTS IN WRITTEN REPORT TO ENGINEER UPON COMPLETION. CLEAN AND DISINFECT: FLUSH PIPING SYSTEM, FILL SYSTEM WITH WATERCHLORINE SOLUTION WITH AT LEAST 50 PPM OF CHLORINE FOR 24 HOURS. THOROUGHLY FLUSH SYSTEM. SUBMIT WATER SAMPLES IN STERILE BOTTLES TO AUTHORITIES HAVING JURISDICTION. PROVIDE REPORT TO ENGINEER STATING PROCEDURE FOLLOWED AND SIGNATURES OF GC AND THAT OF PERSONS PERFORMING PROCEDURE.
- BALL VALVES SHALL BE FULL PORT AND LEAD FREE. PROVIDE WITH HANDLE/STEM EXTENSIONS FOR PROPER FUNCTION WHEN FULLY INSULATED. EXTENSIONS TO BE SEALED AND VAPOR PROOF.
- ALL DOMESTIC WATER PIPING TO BE LOCATED ON WARM SIDE OF BUILDING ENVELOPE.
- WATER HAMMER ARRESTORS SHALL BE SIZED AND INSTALLED PER PLUMBING AND DRAINAGE INSTITUTE (STANDARD PDI-WH 201) REQUIREMENTS IN ACCESSIBLE LOCATIONS ON THE COLD WATER AND HOT WATER PIPING WHERE FLUSH VALVES OR QUICK CLOSING VALVES ARE USED.
- ALL ROOF DRAIN PIPING (PRIMARY AND SECONDARY) LOCATED IN BUILDING ENVELOPE, INCLUDING ROOF DRAIN BOWLS TO BE INSULATED.
- ALL DOMESTIC WASTE AND VENT PIPING TO BE CAST IRON OR PVC INSULATED TO MEET FLAME SPREAD AND SMOKE DEVELOPED INDEX.
- THIS PROJECT WILL REQUIRE AFTER HOURS AND WEEKEND WORK TO RUN PIPING/DUCTWORK OR MODIFY SYSTEMS IN OR AFFECTING OCCUPIED SPACES. COORDINATE ALL SHUTDOWNS 72 HOURS IN ADVANCE WITH OWNER.
- PROVIDE BALANCE REPORT OF DOMESTIC WATER RECIRCULATING SYSTEM TO ENGINEER. PROVIDE P&T PORTS AND PRESSURE GAUGES ON EACH SIDE OF RECIRCULATING PUMP. PROVIDE THERMOMETER ON DISCHARGE SIDE OF PUMP.

**PLUMBING GENERAL NOTES**

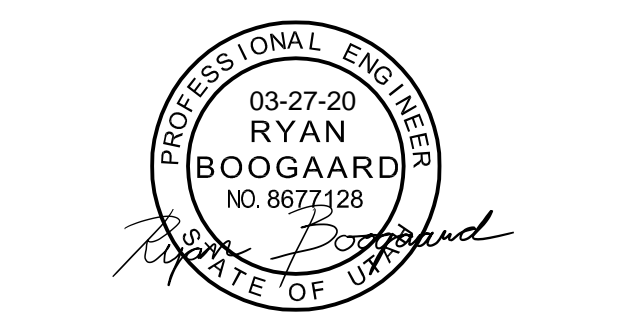
- FIELD VERIFY EXISTING FIELD CONDITIONS PRIOR TO ORDERING OR FABRICATING.
- TEST WASTE AND VENT PIPING FOR LEAKAGE. AFTER PLUMBING FIXTURES HAVE BEEN SET AND TRAPS FILLED WITH WATER, TEST CONNECTIONS AND PROVE THEY ARE GASTIGHT AND WATERTIGHT. PLUG VENT-STACK OPENINGS ON ROOF AND BUILDING DRAINS WHERE THEY LEAVE BUILDING. INTRODUCE AIR INTO PIPING SYSTEM EQUAL TO PRESSURE OF 1-INCH WG. USE U-TUBE OR MANOMETER INSERTED IN TRAP OF WATER CLOSET TO MEASURE THIS PRESSURE. AIR PRESSURE MUST REMAIN CONSTANT WITHOUT INTRODUCING ADDITIONAL AIR THROUGHOUT PERIOD OF INSPECTION. INSPECT PLUMBING FIXTURE CONNECTIONS FOR GAS AND WATER LEAKS. REPAIR LEAKS AND DEFECTS WITH NEW MATERIALS AND RETEST PIPING, OR PORTION THEREOF, UNTIL SATISFACTORY RESULTS ARE OBTAINED. PREPARE REPORTS FOR TESTS AND REQUIRED CORRECTIVE ACTION.
- PIPING SHALL NOT BE SUPPORTED FROM THE ROOF DECK, JOIST BRIDGING OR OTHER PIPES. HANG PIPES FROM BEAMS, JOIST OR SUPPLEMENTARY STRUCTURAL MEMBERS. WHERE POSSIBLE INSTALL ALL PIPING WITHIN 12" FROM SUPPORTING STRUCTURE.
- PLUMBING PIPING SCHEDULE:
  - DOMESTIC WATER ABOVE GRADE= TYPE L COPPER - SOLDERED
  - ROOF DRAIN, WASTE & VENT ABOVE GRADE = CAST IRON - HUBLESS COUPLINGS WITH HEAVY DUTY COUPLINGS
  - WASTE PIPING IN KITCHENS TO BE EPOXY COATED CAST IRON OR STAINLESS STEEL

**SHEET KEYNOTES**

- DEMO AND REMOVE EXISTING FIXTURE.



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**PROJECT DESCRIPTION**  
**INTERMOUNTAIN HEALTHCARE KEY BANK TOWER**  
**LEVEL 09**  
 36 S STATE STREET  
 SALT LAKE CITY, UT 84111

AHJ STAMP

SHEET NAME:  
**LEVEL 9 PLUMBING DEMOLITION PLAN**

REVISIONS  
 MARK DATE DESCRIPTION

ISSUE DATE: 03/27/20  
 ISSUE TYPE: CD SET  
 DRAWN BY: TAC  
 CHECKED BY: RHB  
 PROJECT#: 1953

SHEET NUMBER:


**PD101**

3/27/2020 12:09:43 PM \\slcmt1\Jobs\2019\20190980\Drawings\20190980-Mech Central.rvt  
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PLUMBING GENERAL NOTES
1. ALL DOMESTIC WATER PIPING TO BE COPPER. ALL HOT WATER AND HOT WATER RECIRCULATING PIPING TO BE INSULATED WITH 1" UP TO 1-1/4" PIPE AND 1-1/2" INSULATION FOR PIPING 1-1/2" AND LARGER. DOMESTIC COLD WATER PIPING TO BE INSULATED WITH 1/2" UP TO 1-1/4" PIPING AND 1" INSULATION FOR PIPING 1/1-2" OR LARGER. 2. DISSIMILAR METAL PIPING CONNECTIONS SHALL HAVE DIELECTRIC ISOLATORS. 3. ALL DOMESTIC WATER PIPING TO BE PRESSURE TESTED, CLEANED, AND DISINFECTED. PRESSURE TEST: CAP AND SUBJECT PIPING TO STATIC WATER PRESSURE OF 120 PSIG FOR FOUR HOURS. LEAKS AND LOSS IN TEST PRESSURE CONSTITUTE DEFECTS THAT MUST BE REPAIRED. PROVIDE RESULTS IN WRITTEN REPORT TO ENGINEER UPON COMPLETION. CLEAN AND DISINFECT: FLUSH PIPING SYSTEM, FILL SYSTEM WITH WATER/CHLORINE SOLUTION WITH AT LEAST 50 PPM OF CHLORINE FOR 24 HOURS. THOROUGHLY FLUSH SYSTEM. SUBMIT WATER SAMPLES IN STERILE BOTTLES TO AUTHORITIES HAVING JURISDICTION. PROVIDE REPORT TO ENGINEER STATING PROCEDURE FOLLOWED AND SIGNATURES OF GC AND THAT OF PERSONS PERFORMING PROCEDURE. 4. BALL VALVES SHALL BE FULL PORT AND LEAD FREE. PROVIDE WITH HANDLE/STEM EXTENSIONS FOR PROPER FUNCTION WHEN FULLY INSULATED. EXTENSIONS TO BE SEALED AND VAPOR PROOF. 5. ALL DOMESTIC WATER PIPING TO BE LOCATED ON WARM SIDE OF BUILDING ENVELOPE. 6. WATER HAMMER ARRESTORS SHALL BE SIZED AND INSTALLED PER PLUMBING AND DRAINAGE INSTITUTE (STANDARD PDI-WH 201) REQUIREMENTS IN ACCESSIBLE LOCATIONS ON THE COLD WATER AND HOT WATER PIPING WHERE FLUSH VALVES OR QUICK CLOSING VALVES ARE USED. 7. ALL ROOF DRAIN PIPING (PRIMARY AND SECONDARY) LOCATED IN BUILDING ENVELOPE, INCLUDING ROOF DRAIN BOWLS TO BE INSULATED. 8. ALL DOMESTIC WASTE AND VENT PIPING TO BE CAST IRON OR PVC INSULATED TO MEET FLAME SPREAD AND SMOKE DEVELOPED INDEX. 9. THIS PROJECT WILL REQUIRE AFTER HOURS AND WEEKEND WORK TO RUN PIPING/DUCTWORK OR MODIFY SYSTEMS IN OR AFFECTING OCCUPIED SPACES. COORDINATE ALL SHUTDOWNS 72 HOURS IN ADVANCE WITH OWNER. 10. PROVIDE BALANCE REPORT OF DOMESTIC WATER RECIRCULATING SYSTEM TO ENGINEER. PROVIDE P&T PORTS AND PRESSURE GAUGES ON EACH SIDE OF RECIRCULATING PUMP. PROVIDE THERMOMETER ON DISCHARGE SIDE OF PUMP.

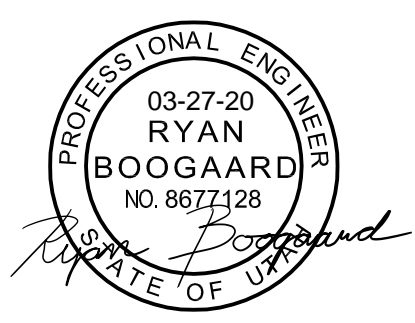
PLUMBING GENERAL NOTES
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SHEET KEYNOTES
1. NEW BREAKROOM FAUCET TO BE SUPPLIED WITH FAUCET CHECK VALVES.
2. CONNECT TO EXISTING WATER PIPING IN THIS APPROXIMATE LOCATION.
3. NEW PLUMBING FIXTURE TO BE CONNECTED TO EXISTING WASTE AND VENT PIPING.
4. COORDINATE WITH ARCHITECTURE FOR REQUIRED WALL DEMOREPAIR OF RATED WALLS, TYPICAL.



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PROFESSIONAL ENGINEER  
 03-27-20  
 RYAN BOOGAARD  
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 STATE OF UTAH



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 324 S. State St., Suite 400  
 Salt Lake City, UT 84111  
 800-678-7077  
 801-328-5151  
 fax: 801-328-5155  
 www.spectrum-engineers.com

PROJECT DESCRIPTION  
**INTERMOUNTAIN HEALTHCARE KEY BANK TOWER**  
**LEVEL 09**  
 36 S STATE STREET  
 SALT LAKE CITY, UT 84111

AHJ STAMP

SHEET NAME:  
**LEVEL 9 PLUMBING PLAN - WATER**

REVISIONS		
MARK	DATE	DESCRIPTION

ISSUE DATE: 03/27/20  
 ISSUE TYPE: CD SET  
 DRAWN BY: TAC  
 CHECKED BY: RHB  
 PROJECT#: 1953  
 SHEET NUMBER:

**PL101**



**1 LEVEL 9 PLUMBING PLAN - WATER**  
 1/8" = 1'-0"

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 ALL IDEAS, DESIGNS, ARRANGEMENTS AND PLANS INDICATED OR REPRESENTED BY THIS DRAWING ARE OWNED BY AND THE PROPERTY OF AJC ARCHITECTS PC AND WERE CREATED, EVOLVED, AND DEVELOPED FOR USE ON AND IN CONNECTION WITH THE SPECIFIED PROJECT. NONE OF THE IDEAS, DESIGNS, ARRANGEMENTS OR PLANS SHALL BE USED BY OR DISCLOSED TO ANY PERSON, FIRM, OR CORPORATION FOR ANY PURPOSE WHATSOEVER WITHOUT WRITTEN CONSENT OF AJC ARCHITECTS PC. UNAUTHORIZED REPRODUCTION OR DISSEMINATION OF THIS DRAWING IS STRICTLY PROHIBITED. CONTRACTORS SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS AND CONDITIONS SHOWN BY THESE DRAWINGS. WARNING: REPRODUCTION HEREOF IS A CRIMINAL OFFENSE UNDER 18 U.S.C. SEC. 506. UNAUTHORIZED DISCLOSURE MAY CONSTITUTE TRADE SECRET.

### PLUMBING GENERAL NOTES

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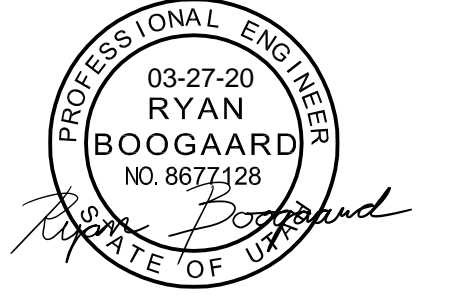
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  - WASTE PIPING IN KITCHENS TO BE EPOXY COATED CAST IRON OR STAINLESS STEEL

### SHEET KEYNOTES

- NEW PLUMBING FIXTURE TO BE CONNECTED TO EXISTING WASTE AND VENT PIPING.
- NEW BREAKROOM FAUCET TO BE SUPPLIED WITH FAUCET CHECK VALVES.
- TIE INTO EXISTING WASTE AND VENT PIPING IN THIS APPROXIMATE LOCATION.
- COORDINATE WITH ARCHITECTURE FOR REQUIRED WALL DEMO/REPAIR OF RATED WALLS, TYPICAL.

ARCHITECT / CONSULTANT



**SPECTRUM ENGINEERS**  
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 800-678-7077  
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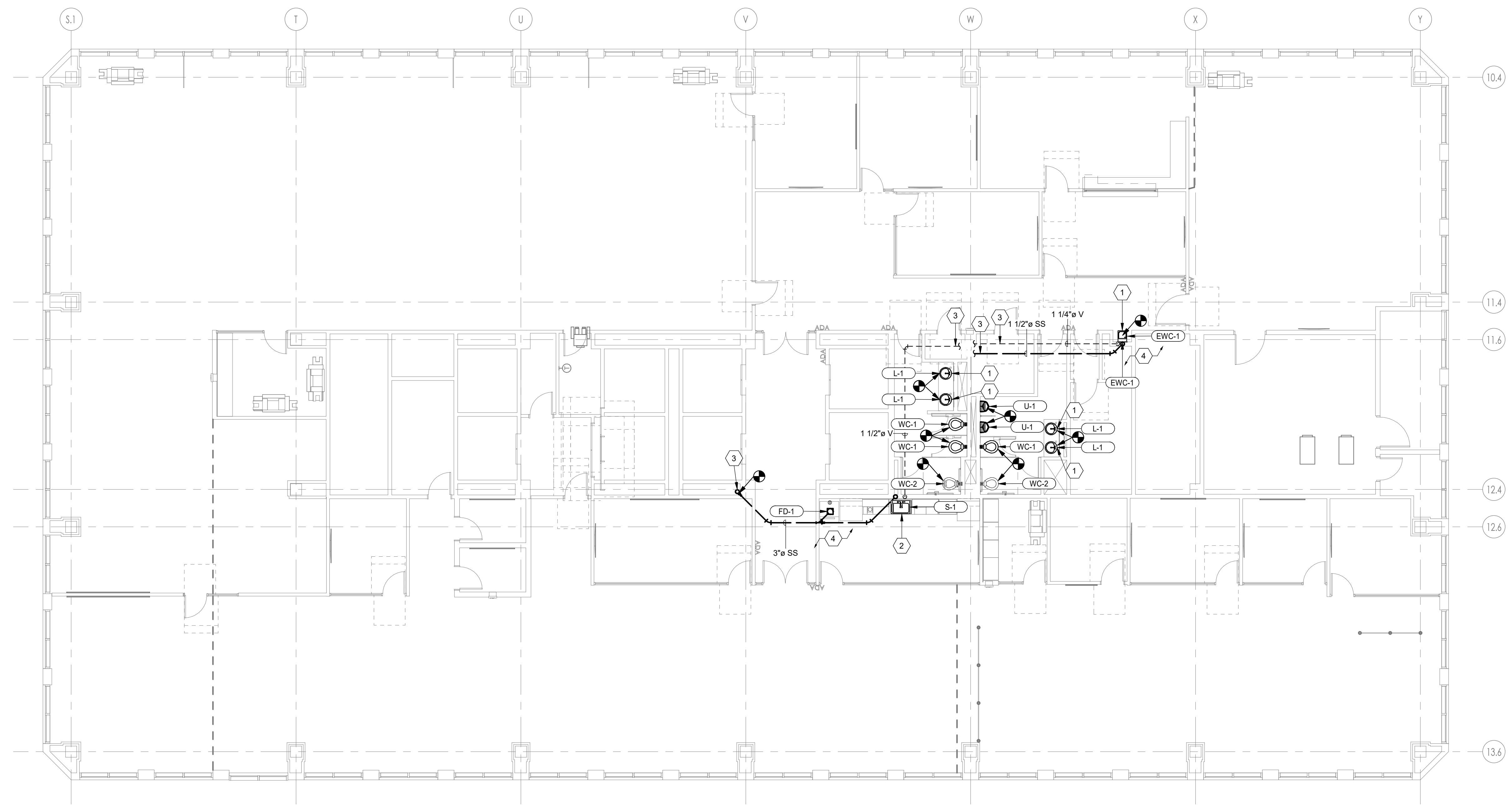
PROJECT DESCRIPTION  
**INTERMOUNTAIN HEALTHCARE KEY BANK TOWER**  
**LEVEL 09**  
 36 S STATE STREET  
 SALT LAKE CITY, UT 84111  
 AHJ STAMP

SHEET NAME:  
**LEVEL 9 PLUMBING PLAN - DWV**

MARK	DATE	DESCRIPTION

ISSUE DATE: 03/27/20  
 ISSUE TYPE: CD SET  
 DRAWN BY: TAC  
 CHECKED BY: RHB  
 PROJECT#: 1953  
 SHEET NUMBER:

**PL201**



**1 LEVEL 9 PLUMBING PLAN - DWV**  
 1/8" = 1'-0"


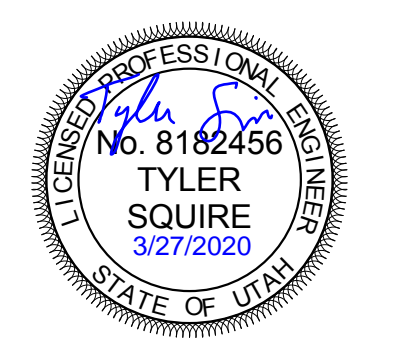
SHEET KEYNOTES	
1	EXISTING CONDUIT AND JUNCTION BOX FOR COPPER AND FIBER CABLE. PRESERVE AND PROTECT DURING DEMOLITION AND CONSTRUCTION.
2	EXISTING 1 EA., 2" CND WITH FIBER TO DEMARC IN BASEMENT. PRESERVE AND PROTECT DURING DEMOLITION.
3	EXISTING BUILDING BACKBONE COPPER AND FIBER. PRESERVE AND PROTECT DURING DEMOLITION AND CONSTRUCTION.
4	PRESERVE AND PROTECT EXISTING FIBER AND COPPER BACKBONE IN DATA ROOM 917. REMOVE EXISTING RACK.
5	CONDUIT IN WALL WITH FIBER AND COPPER. PRESERVE AND PROTECT DURING DEMOLITION AND CONSTRUCTION.
6	CONDUIT WITH FIBER AND COPPER TO LEVEL 8. PRESERVE AND PROTECT DURING DEMOLITION AND CONSTRUCTION.
7	PRESERVE AND PROTECT EXISTING WALL FIELD DURING DEMOLITION AND CONSTRUCTION.
8	REFER TO ET401 FOR INFORMATION FOR CABINET REMOVAL AND INSTALLATION.
9	EXISTING ELECTRICAL PANELS AND EQUIPMENT TO REMAIN. PROTECT FROM DUST AND DAMAGE THROUGHOUT CONSTRUCTION.
10	REFER TO THE ARCHITECTURAL PHASING DETAILS FOR THE CONSTRUCTION PHASING REQUIREMENTS OF THE EXISTING DATA CENTER.
11	EXISTING TWIST-LOCK RECEPTACLES MOUNTED TO LADDER RACKS OR ABOVE THE RACKS ARE TO BE RELOCATED AS SHOWN ON THE ARCHITECTURAL DATA CENTER PHASING PLAN BEFORE BEING RE-MOUNTED TO THE LADDER RACK IN THEIR NEW PERMANENT LOCATIONS SHOWN ON THIS SHEET. INCLUDE IN BID COSTS TO EXTEND OR RELOCATE EACH 208V/3-PHASE CIRCUIT UP TO 12'. COORDINATE THE EXACT RELOCATION REQUIREMENTS WITH THE OWNER.

GENERAL SHEET NOTES	
1	UNLESS OTHERWISE INDICATED, REMOVE ALL LIGHTING FIXTURES, OUTLETS, DEVICES AND EQUIPMENT IN HATCHED AREAS. REMOVE ASSOCIATED CONDUIT AND WIRING BACK TO THE PANELBOARD OF ORIGINATION. SYSTEMATICALLY CHECK EACH BRANCH PANELBOARD CIRCUIT TO VERIFY EACH THAT CIRCUIT BREAKER NO LONGER HAS ANY ACTIVE LOADS. DISCONNECT THE WIRING AND TURN THE CIRCUIT BREAKER OFF. ANY REMAINING ACTIVE LOADS SHALL BE LABELED AT THE PANELBOARD AS TO WHAT LOAD IS SERVED.
2	UNLESS NOTED OTHERWISE REMOVE ALL LIGHTING FIXTURES DEVICES AND EQUIPMENT SHOWN DASHED. REMOVE CONDUIT AND WIRING BACK TO PANELBOARD OF ORIGIN OR TO FIRST ACTIVE DEVICE THAT REMAINS.
3	SALVAGE ALL POWER POLES, LIGHT FIXTURES, TWIST-LOCK RECEPTACLES AND WALLPLATES, CEILING SPEAKERS AND SECURITY AND FIRE ALARM DEVICES TO OWNER. PROTECT SALVAGED EQUIPMENT FROM DAMAGE.
4	PRIOR TO SUBMITTING BID, VISIT THE SITE AND FIELD VERIFY THE EXTENT OF ELECTRICAL DEMOLITION WORK TO MEET THE INTENT OF THE BID DOCUMENTS AND INCLUDE ALL COSTS IN BID.
5	PRIOR TO REMOVAL OF ANY ELECTRICAL EQUIPMENT OR WIRING, FIELD VERIFY THAT THE EQUIPMENT OR WIRING IS INACTIVE OR NO LONGER IN USE.
6	REMOVE ALL DEVICES, RACEWAYS AND WIRING FROM WALLS TO BE REMOVED. WHERE ACTIVE RACEWAYS OCCUR IN WALLS TO BE REMOVED, REROUTE THE RACEWAY WITH ASSOCIATED WIRING TO KEEP THE CIRCUIT OPERATIONAL.

GENERAL SHEET NOTES	
7	REMOVE ALL FIRE ALARM DEVICES WHERE EXISTING WALLS AND CEILINGS ARE BEING REMOVED, WITH ASSOCIATED CONDUIT AND WIRING. EXISTING FIRE ALARM DEVICES AND SYSTEM NOT INDICATED FOR REMOVAL SHALL REMAIN ACTIVE THROUGHOUT DEMOLITION AND CONSTRUCTION UNTIL THE NEW SYSTEM IS TESTED AND OPERATIONAL. MAINTAIN ALL CLASS A FIRE ALARM INITIATING AND INDICATING LOOPS WHERE EXISTING DEVICES ARE REMOVED.
8	REMOVE ALL ABANDONED RACEWAY, CONDUIT, WIRING AND CABLING WHETHER ABANDONED PREVIOUS TO THIS PROJECT OR AS A RESULT OF THIS PROJECT. NOT ALL ABANDONED ITEMS ARE SHOWN ON THESE PLANS AND FIELD VERIFICATION OF DEMOLITION SCOPE EXTENT IS REQUIRED.
9	DEVICES MARKED "RR" ARE TO BE REMOVED AND RELOCATED PER NEW PLANS. EXTEND CIRCUITING AS REQUIRED FOR RELOCATION.
10	WHERE DEVICES ARE SHOWN EXISTING TO REMAIN, PROVIDE NEW ELECTRICAL DEVICES AND FACEPLATES. EXISTING CIRCUITING MAY BE MAINTAINED.
11	THE EXISTING CORE WALLS AND SHAFTS ARE FIRE RATED. REFER TO ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION.

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AUTHORITY HAVING JURISDICTION

PROJECT DESCRIPTION  
**INTERMOUNTAIN HEALTHCARE KEY BANK TOWER LEVEL 09**

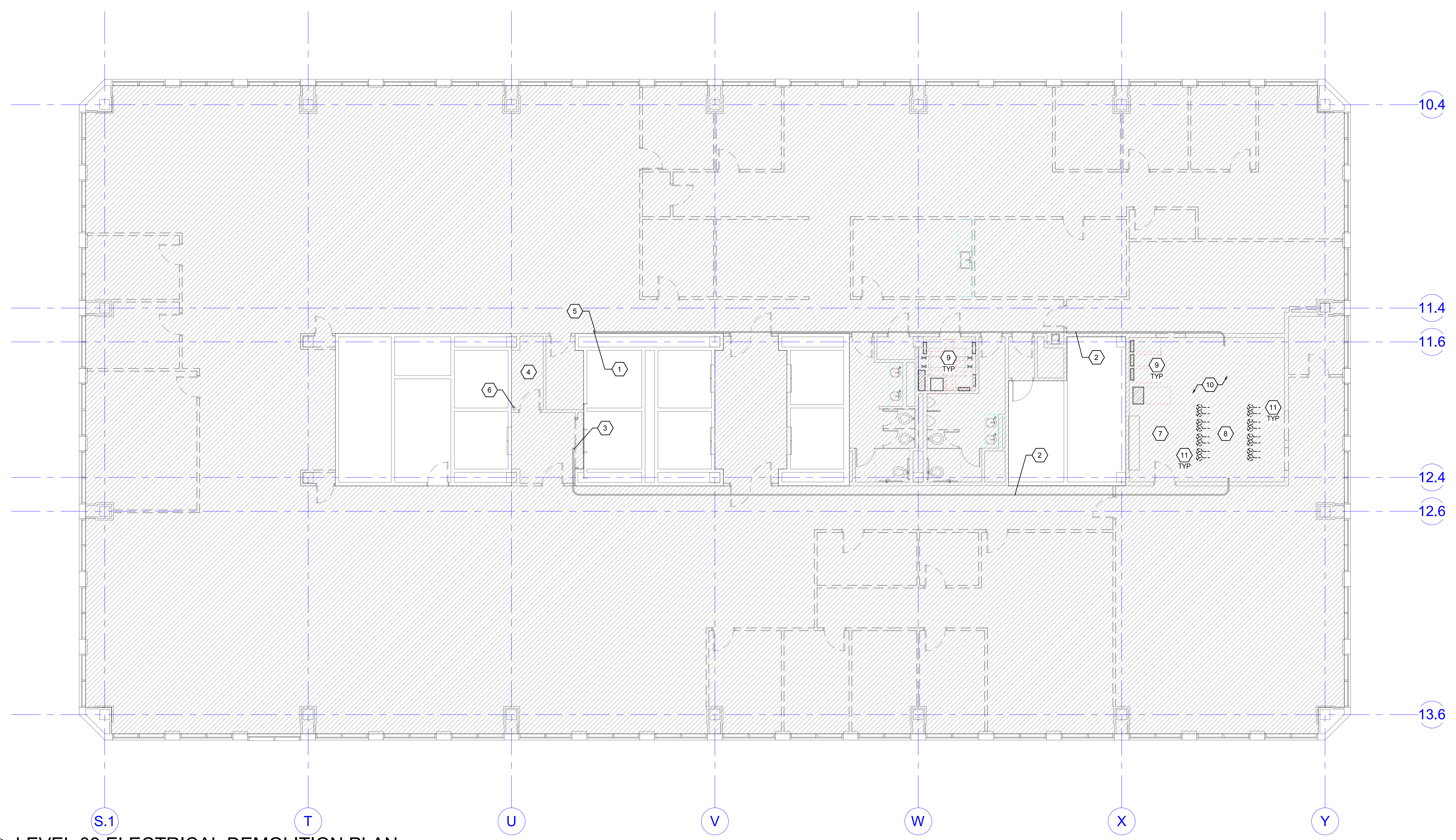
**36 S STATE STREET  
SALT LAKE CITY, UT 84111**

SHEET NAME:  
**LEVEL 09 ELECTRICAL DEMOLITION PLAN**

REVISIONS	MARK	DATE	DESCRIPTION

ISSUE DATE: **03/27/2020**  
 ISSUE TYPE: **CD SET**  
 DRAWN BY: **DBS**  
 CHECKED BY: **TDS**  
 PROJECT#: **1953**

SHEET NUMBER:  
**ED109**



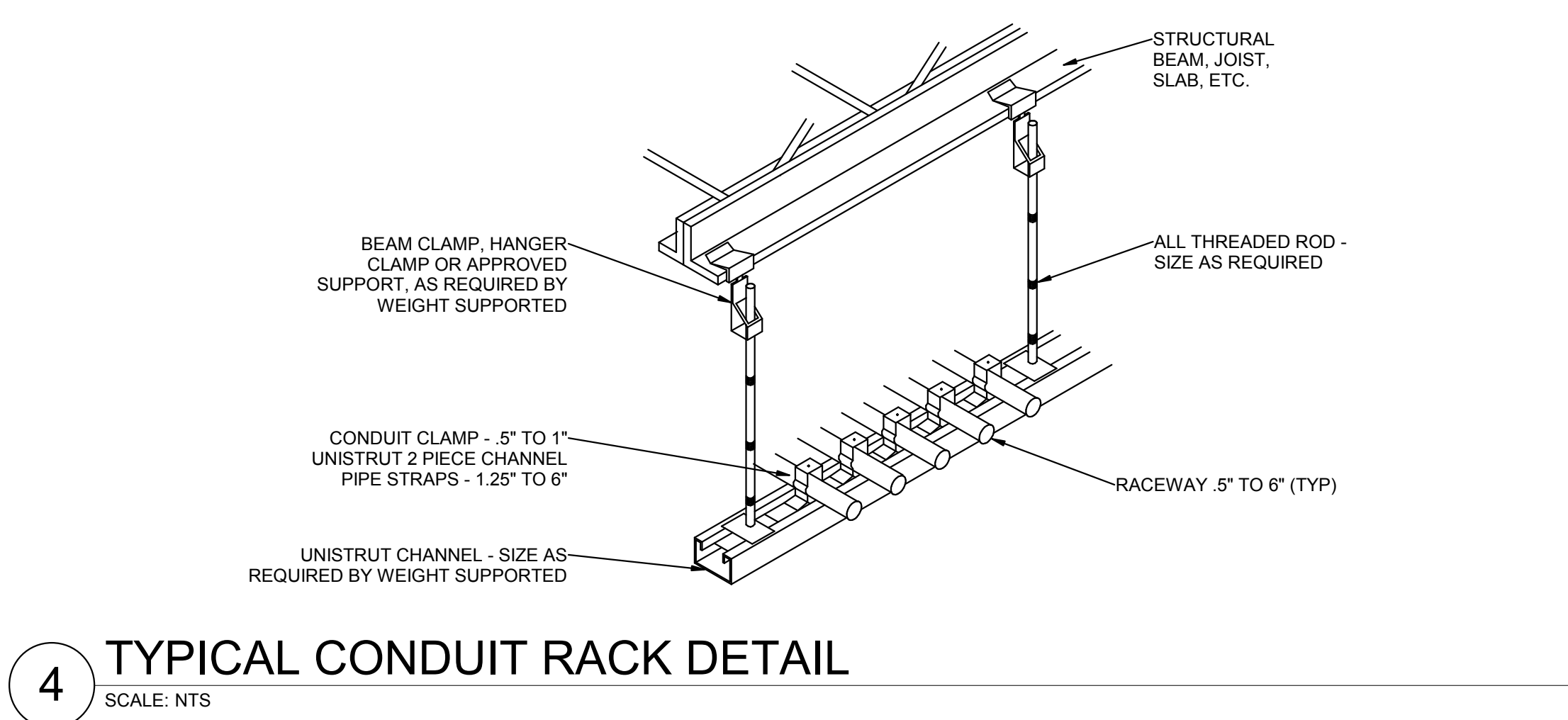
**(A1) LEVEL 09 ELECTRICAL DEMOLITION PLAN**  
SCALE: 1/8" = 1'-0"

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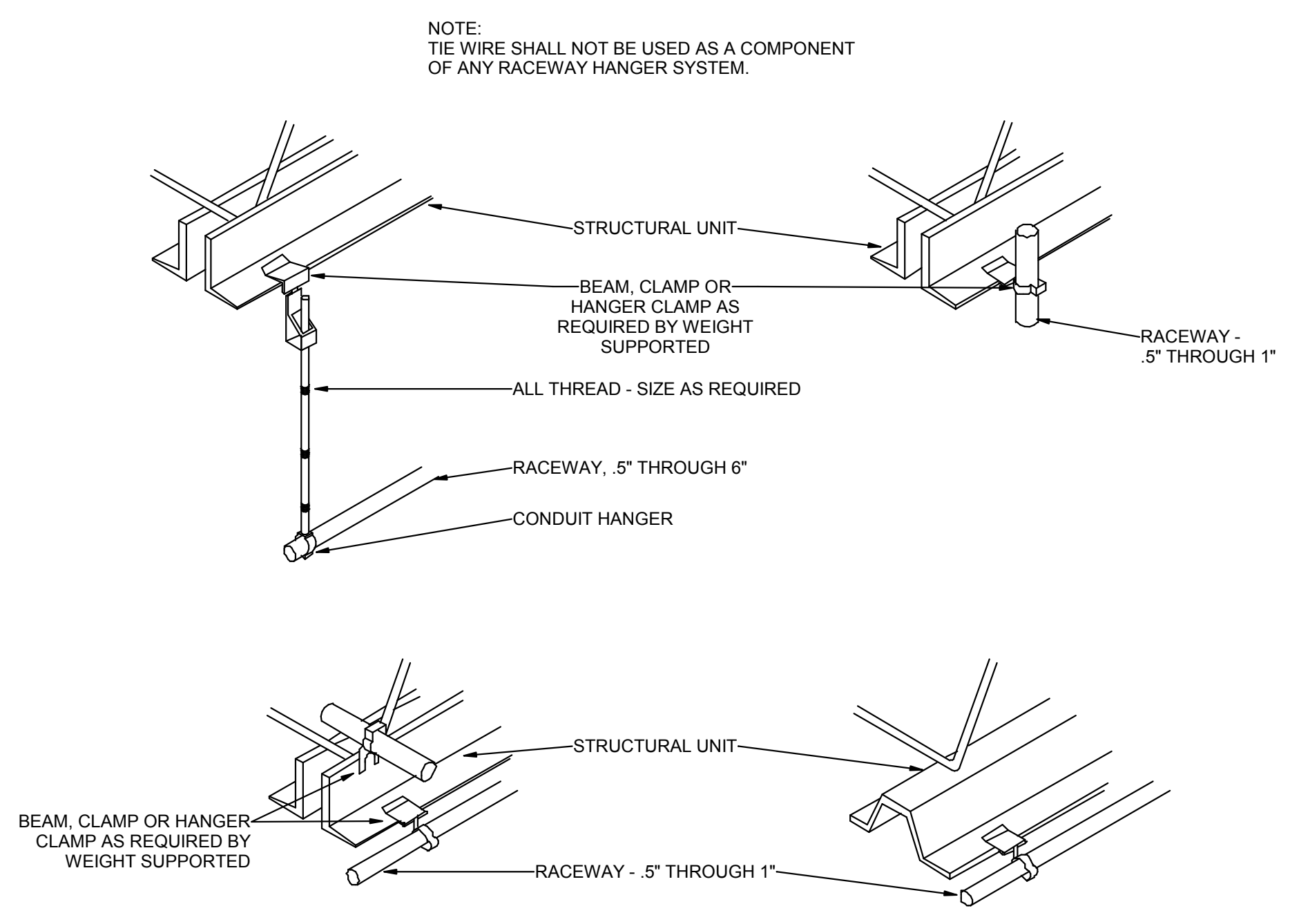




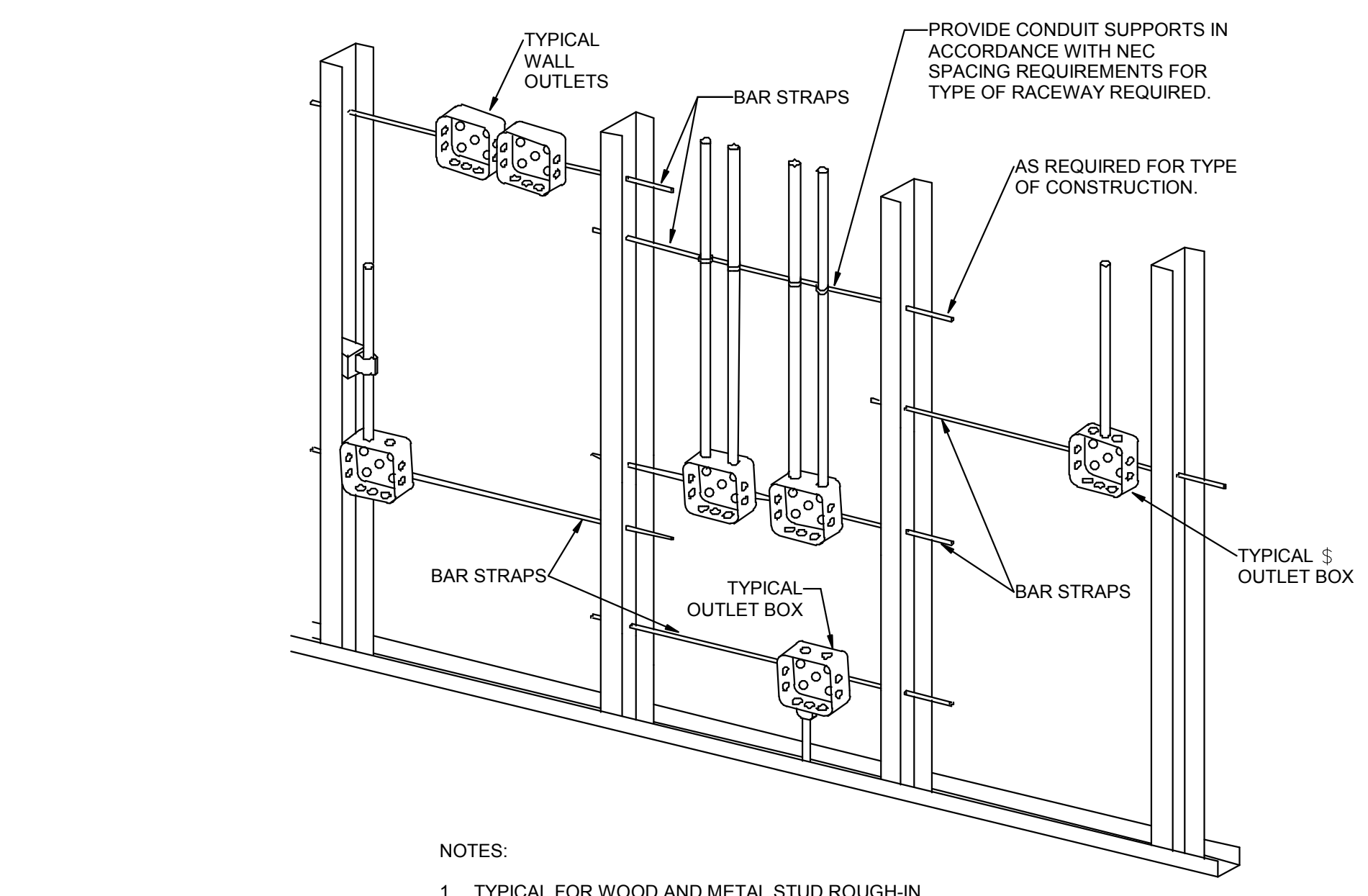
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**4** TYPICAL CONDUIT RACK DETAIL  
SCALE: NTS

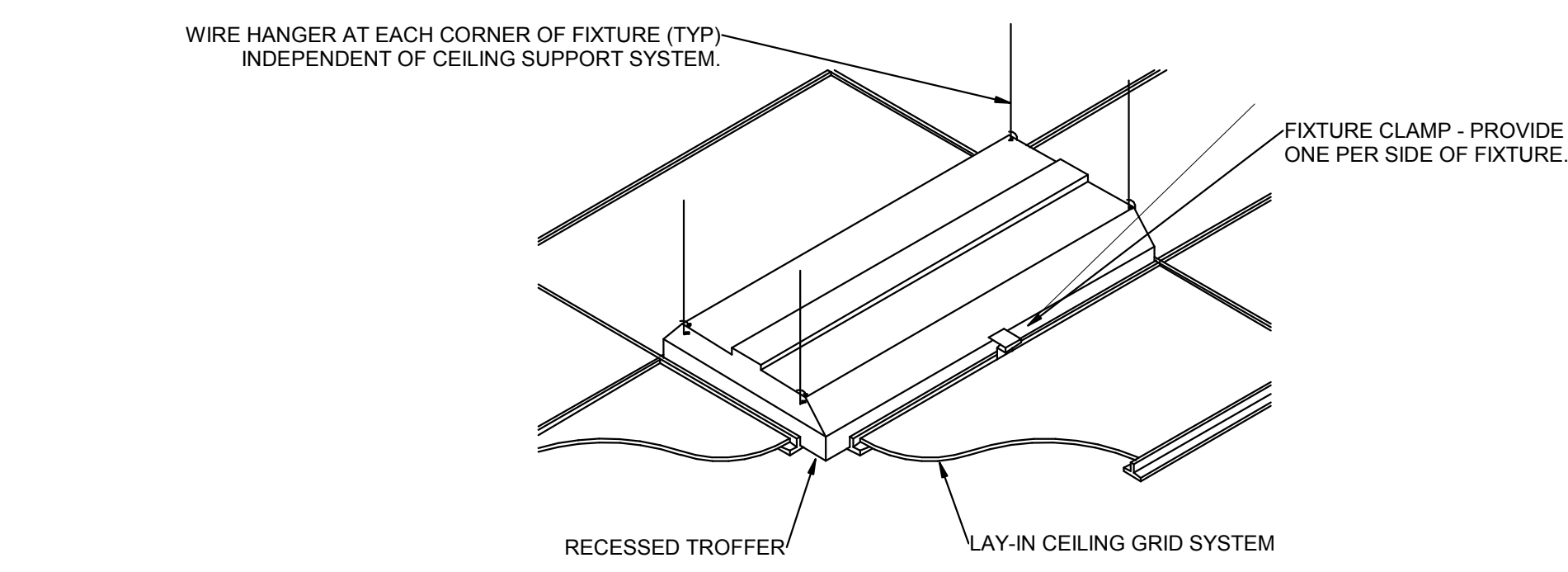


**3** TYPICAL RACEWAY SUPPORT METHODS DETAIL  
SCALE: NTS



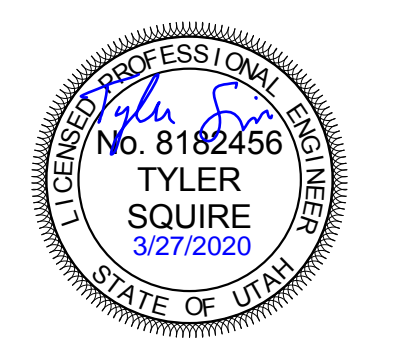
- NOTES:
1. TYPICAL FOR WOOD AND METAL STUD ROUGH-IN.
  2. PLASTER RINGS NOT SHOWN.
  3. LOCATE ALL OUTLET BOXES IN ACCORDANCE WITH ARCHITECTURAL AND MECHANICAL DRAWINGS AND WITH ALL APPLICABLE SHOP DRAWINGS.
  4. IN ACCORDANCE WITH IBC 714.3.2 EXCEPTION 1, OUTLETS ON OPPOSITE SIDES OF WALLS OR PARTITIONS IN THE SAME STUD SPACE IN A RATED FIRE SEPARATION WALL MUST BE SEPARATED BY A MINIMUM OF 24\"/>

**2** TYPICAL ROUGH-IN REQUIREMENTS DETAIL  
SCALE: NTS



**1** RECESSED FIXTURE MOUNTING DETAIL  
SCALE: NTS

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AUTHORITY HAVING JURISDICTION

PROJECT DESCRIPTION  
**INTERMOUNTAIN  
 HEALTHCARE KEY BANK  
 TOWER LEVEL 09**

**36 S STATE STREET  
 SALT LAKE CITY, UT 84111**

SHEET NAME:  
**ELECTRICAL DETAILS**

REVISIONS

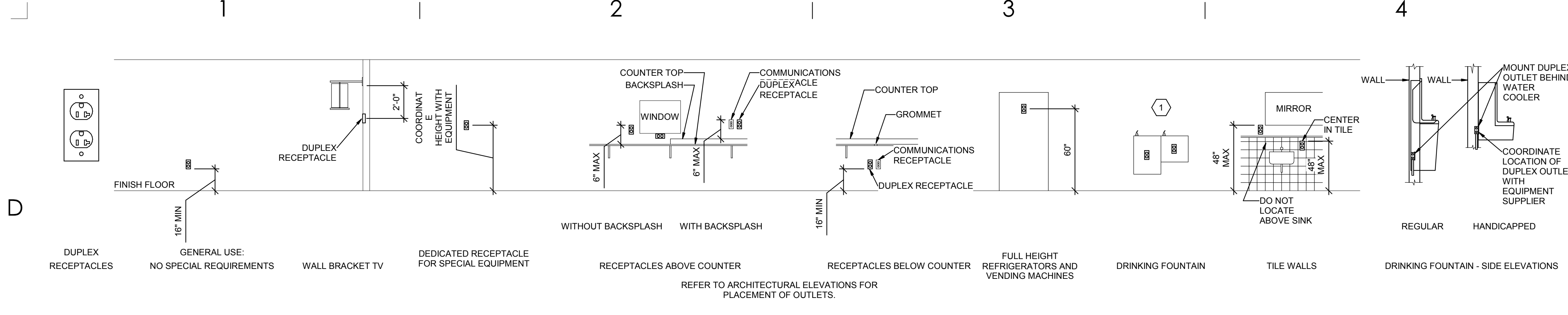
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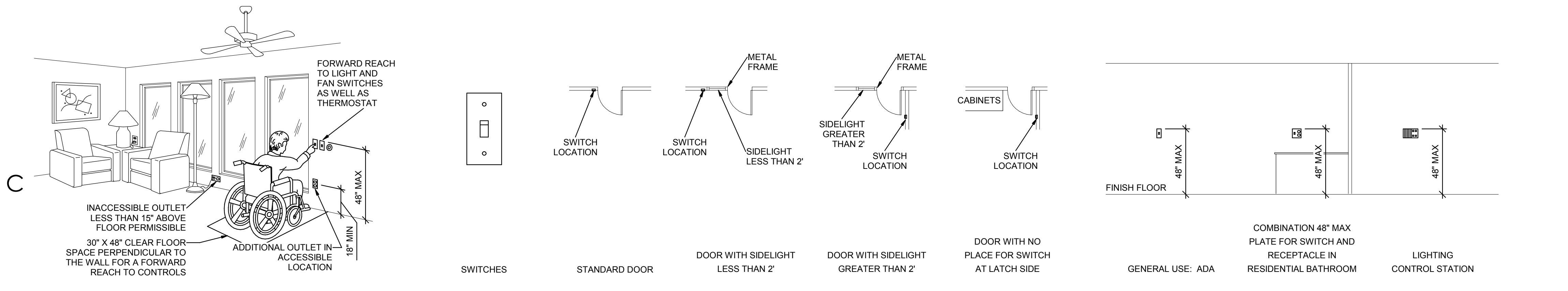
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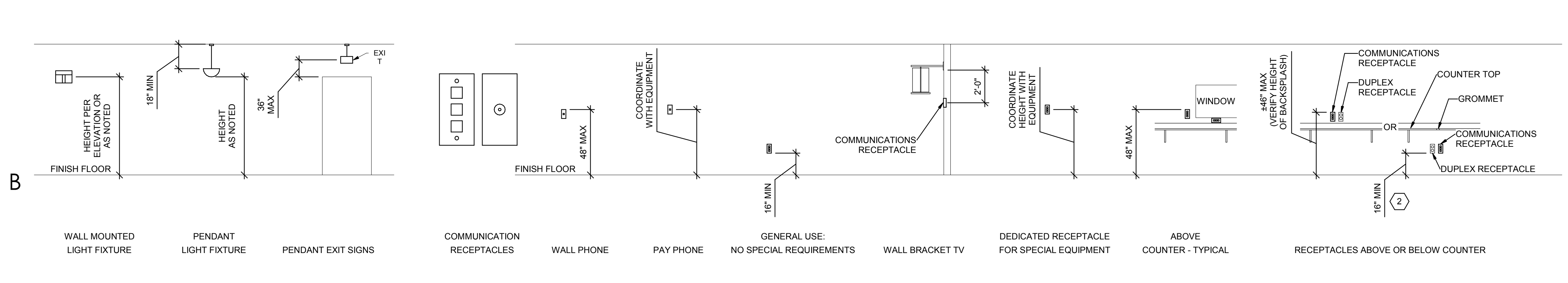


**E2 RECEPTACLE MOUNTING DETAILS**  
SCALE: NTS



**D2 ADA DETAIL**  
SCALE: NTS

**D3 SWITCH MOUNTING DETAILS**  
SCALE: NTS



**C2 LIGHTING MOUNTING DETAILS**  
SCALE: NTS

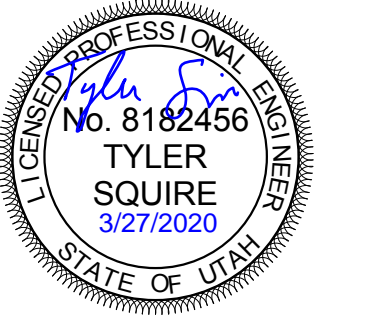
**C3 COMMUNICATIONS MOUNTING DETAILS**  
SCALE: NTS

**GENERAL SHEET NOTES**

1. DETERMINE MOUNTING HEIGHTS OF ELECTRICAL AND ELECTRONIC EQUIPMENT IN THE FOLLOWING ORDER OF PRIORITY:  
1 - ELEVATIONS (ARCHITECTURAL, ELECTRICAL, MECHANICAL, ETC).  
2 - EQUIPMENT SHOP DRAWINGS.  
3 - FIELD INSTRUCTIONS.
2. LOCATE RECEPTACLES SERVING THE SAME TYPE OF USE AT A UNIFORM HEIGHT UNLESS DIRECTED OTHERWISE.
3. MECHANICAL, ELECTRICAL, AND COMMUNICATION ROOMS: COORDINATE LOCATION OF LIGHTING AND POWER RECEPTACLES WITH EQUIPMENT, PIPING, AND DUCTWORK. DO NOT INSTALL RECEPTACLES BEHIND EQUIPMENT OR WHERE OTHERWISE INACCESSIBLE. POSITION LIGHTING REGARDLESS OF WHERE SHOWN ON DRAWING TO PROVIDE PROPER ILLUMINATION.
4. MOUNT RECEPTACLE BOXES FOR SWITCHES AND RECEPTACLES WITH LONG AXIS OF THE DEVICE VERTICAL UNLESS OTHERWISE INDICATED.
5. SET BOXES WITH PLASTER RINGS FLUSH WITH FINISHED SURFACE.
6. LOCATE BOX COVERS OR DEVICE PLATES SO THEY WILL NOT SPAN DIFFERENT TYPES OF BUILDING FINISHES EITHER VERTICALLY OR HORIZONTALLY.
7. VERIFY ALL DOOR CONDITIONS ON ARCHITECTURAL DRAWINGS PRIOR TO INSTALLING SWITCHES.
8. LOCATE WIRING DEVICES WHICH ARE ADJACENT AND ARE COMPATIBLE VOLTAGES IN ONE PLATE.
9. WHERE DEVICES ARE LOCATED IN CLOSE PROXIMITY OF THE SAME VERTICAL PLANE, ALIGN DEVICES VERTICALLY PER THE TYPICAL WALL MOUNTED DEVICES ALIGNMENT DETAIL, UNLESS OTHERWISE INDICATED.

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PROJECT DESCRIPTION  
**INTERMOUNTAIN  
HEALTHCARE KEY BANK  
TOWER LEVEL 09**

**36 S STATE STREET  
SALT LAKE CITY, UT 84111**

**SHEET KEYNOTES**

1. LOCATE RECEPTACLES BEHIND DRINKING FOUNTAINS.
2. REFER TO ARCHITECTURAL ELEVATIONS FOR PLACEMENT OF OUTLETS.
3. LOCATE AT BOTTOM OF BEAMS (OR JOISTS) OR AT CEILING. (REDUCE SPACING BY .5 PERPENDICULAR TO BEAM OR JOIST DIRECTION.) FOR OTHER CONDITIONS, REFER TO NFPA 72.
4. LOCATE DETECTOR ANYWHERE IN SHADED AREA BUT NOT IN TOP 4" OF PEAK.
5. LOCATE AT BOTTOM OF BEAMS IF D/H < .1 OR W/H < .4; OTHERWISE, LOCATE IN BEAM POCKET. FOR D > 4 REDUCE SPACING .33 PERPENDICULAR TO BEAMS.

SHEET NAME:  
**TYPICAL MOUNTING  
HEIGHT DETAILS**

REVISIONS  
MARK DATE DESCRIPTION

ISSUE DATE: **03/27/2020**  
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DRAWN BY: **DBS**  
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PROJECT#: **1953**

SHEET NUMBER:

**EE701**

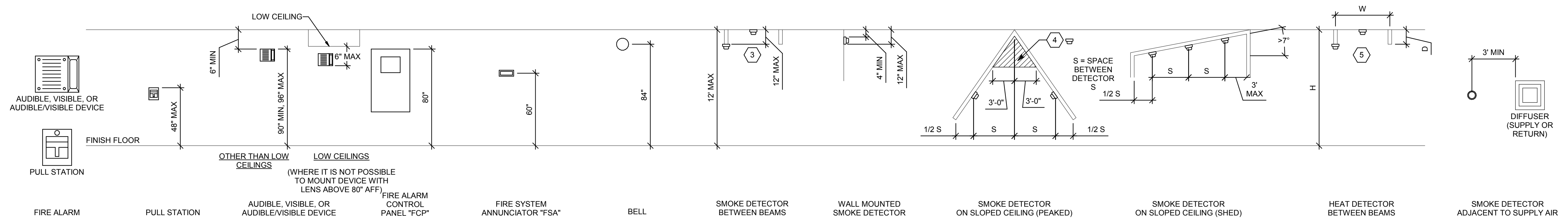
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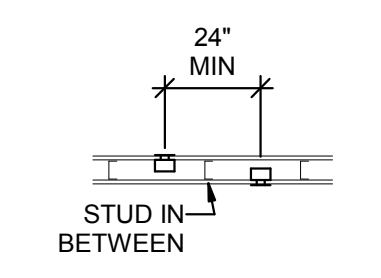
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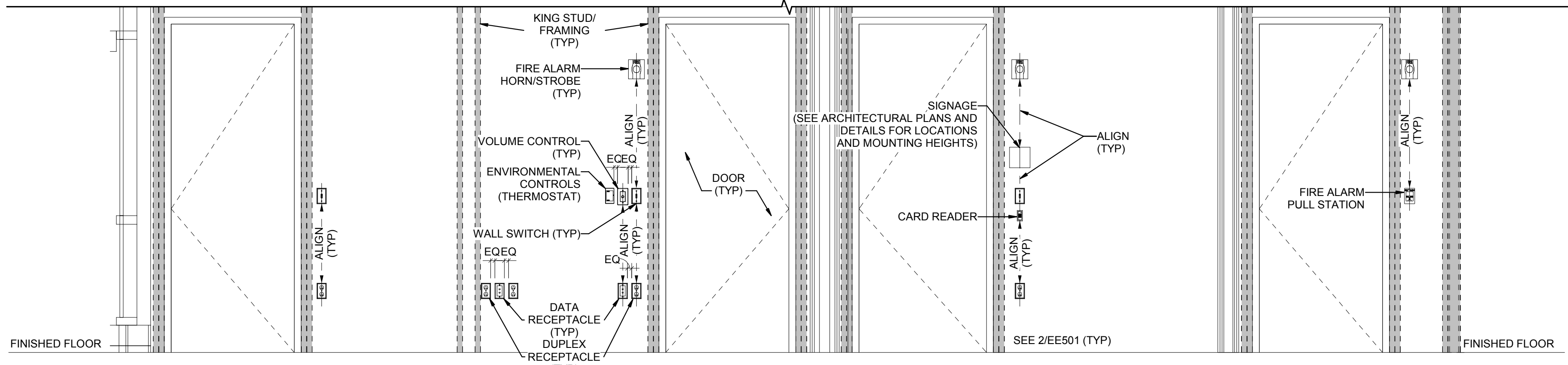
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**B1** FIRE ALARM MOUNTING DETAILS  
SCALE: NTS



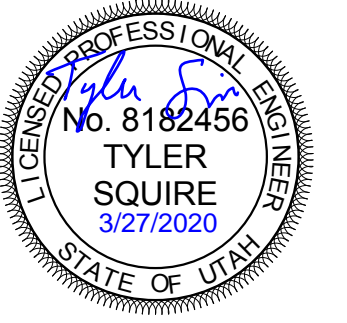
**A1** BOX MOUNTING DETAILS  
SCALE: NTS



**A2** TYPICAL WALL MOUNTED DEVICES ALIGNMENT DETAIL  
SCALE: NTS

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PROJECT DESCRIPTION  
INTERMOUNTAIN  
HEALTHCARE KEY BANK  
TOWER LEVEL 09

36 S STATE STREET  
SALT LAKE CITY, UT 84111

SHEET NAME:  
TYPICAL MOUNTING  
HEIGHT DETAILS

REVISIONS

MARK	DATE	DESCRIPTION

ISSUE DATE: 03/27/2020  
ISSUE TYPE: CD SET  
DRAWN BY: DBS  
CHECKED BY: TDS  
PROJECT#: 1953

SHEET NUMBER:

**EE702**

4	
<b>SHEET KEYNOTES</b>	
1	AV CONNECTION PANEL TO BE INSTALLED IN TABLE TECHNOLOGY WELL BY AV INSTALLER.
2	WEBCAM TO BE MOUNTED BELOW MONITOR AV INSTALLER.
3	MASKING ELECTRONICS TO BE INSTALLED IN DATA RACK. COORDINATE WITH DATA INSTALLER.
4	AV CABLE TO BE PULLED THROUGH FLOOR BOX/POKE THRU BY AV INSTALLER.

5	
<b>GENERAL SHEET NOTES</b>	
1	COORDINATE EXACT LOCATION OF ALL POKE-THRU'S WITH ARCHITECT PRIOR TO INSTALLATION.
2	COORDINATE EXACT JUNCTION BOX LOCATIONS SO THAT THEY ARE EASILY ACCESSIBLE AND ARE NOT BEHIND DOORS, FURNITURE, LOWERED PROJECTION SCREENS, MONITORS, ETC.
3	ELECTRICAL INSTALLER TO ENSURE ALL WALL MOUNTED ELECTRICAL DEVICES (AV JUNCTION BOXES, DATA JACKS, ETC.) ARE PLUMB, LEVEL, AND VERTICALLY ALIGNED WHERE APPLICABLE.
4	REFER TO THE TYPICAL WALL MOUNTED DEVICES ALIGNMENT DETAIL ON SHEET EE702 FOR ADDITIONAL REQUIREMENTS REGARDING DEVICE LOCATIONS.

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AUTHORITY HAVING JURISDICTION

PROJECT DESCRIPTION  
**INTERMOUNTAIN HEALTHCARE KEY BANK TOWER LEVEL 09**

**36 S STATE STREET  
SALT LAKE CITY, UT 84111**

SHEET NAME:  
**LEVEL 09 AUDIO-VIDEO ROUGH-IN PLAN**

REVISIONS	MARK	DATE	DESCRIPTION

ISSUE DATE: **03/27/2020**  
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SHEET NUMBER:

**EJ109**



**(A1) LEVEL 09 AUDIO-VIDEO ROUGH-IN PLAN**  
 SCALE: 1/8" = 1'-0"

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### 3 4

## AUDIO-VIDEO ROUGH-IN SYSTEMS SCHEDULE

SYMBOL	DESCRIPTION	MOUNTING	SPECIAL INSTRUCTIONS
CP2 CP3	TABLETOP CONNECTION PANEL	IN TABLE	FURNISHED AND INSTALLED BY AV INSTALLER
FBAV	FLOOR BOX OR POKE-THRU	FLOOR	REFER TO 'EP' SHEETS FOR TYPE AND LOCATION
S <sub>1,2</sub>	MASKING SPEAKER	ABOVE CEILING	FURNISHED AND INSTALLED BY AV INSTALLER
CL	CAMERA LOCATION	BELOW MONITOR	FURNISHED AND INSTALLED BY AV INSTALLER
MXJ	FLAT PANEL MONITOR JUNCTION BOX, CHIEF PAC 526FCW	FLUSH IN THE WALL AT APPROXIMATELY +60" AFF TO BOTTOM OF BOX, OR AS NOTED ON PLAN SHEETS	COORDINATE WITH STRUCTURAL BACKING, AND COORDINATE EXACT ELEVATION WITH ARCHITECTURAL ELEVATIONS, SEE DETAILS A1/EJ601 AND C1/EJ601
	CONDUIT, 3/4" MINIMUM	CONCEALED BEHIND FINISHED SURFACES, UNLESS OTHERWISE NOTED	REFER TO RISER DIAGRAMS FOR EXACT SIZES & QUANTITIES

- ### 5
- ## GENERAL SHEET NOTES
- INSTALL ALL CONDUIT IN A CONCEALED FASHION. SURFACE MOUNTED CONDUIT WILL NOT BE ACCEPTED. CONDUITS AND BOXES ABOVE CEILING HEIGHT MAY BE INSTALLED EXPOSED AND PAINTED TO MATCH SURROUNDING EQUIPMENT.
  - MAINTAIN MAXIMUM SEPARATION BETWEEN AV SYSTEM CONDUIT AND ALL POWER CONDUIT. MINIMUM SEPARATION REQUIREMENTS IS 24".
  - INSTALL NYLON PULL STRINGS IN ALL AV SYSTEM CONDUIT.
  - INSTALL ALL EQUIPMENT IN COMPLIANCE WITH THE MANUFACTURER'S WRITTEN INSTRUCTIONS, SEISMIC CODES, AND INDUSTRY WIDE ACCEPTED RIGGING PRACTICES. SUPPORT EQUIPMENT WEIGHT FROM STRUCTURE. DURING THE SUBMITTAL PROCESS, PROVIDE SHOP DRAWINGS WHICH DETAIL PROPOSED MOUNTING FOR ALL SUCH EQUIPMENT.
  - IF THE BOXES, ENCLOSURES, & CABINETS SPECIFIED ARE NOT PROVIDED FROM THE MANUFACTURER WITH THE REQUIRED KNOCK OUTS FOR THE SPECIFIED CONDUIT, FIELD CUT ALL REQUIRED KNOCK OUTS TO TERMINATE THE QUANTITY AND SIZES OF THE SPECIFIED CONDUITS.
  - THE ROUGH-IN LOCATIONS FOR PROJECTORS SHOWN ON THE FLOOR PLAN DRAWINGS ARE APPROXIMATE. COORDINATE WITH AV CONTRACTOR FOR ACTUAL PROJECTION DISTANCES. LOCATE ROUGH-IN FOR PROJECTORS IN COMPLIANCE WITH THE DISPLAY DEVICE SCHEDULE.
  - ALL ROUGH-IN SHALL BE IN COMPLIANCE WITH ANSITIA/EIA 569-B WHICH INCLUDES, BUT IS NOT LIMITED TO, ALL CONDUITS HAVING NO MORE THAN TWO 90 DEGREE BENDS.
  - ALL CONDUIT FOR AV ROUGH-IN SHALL BE EMT.
  - ALL CONNECTION PANELS SHALL BE WITHIN 12" OF POWER AND DATA OUTLETS. NOTIFY ENGINEER IF DISCREPANCY IS FOUND.
  - ALL AV CONDUITS SHALL BE INSTALLED USING SHORTEST RUNS POSSIBLE. THERE SHOULD BE NO UNNECESSARY BENDS IN CONDUIT RUNS.
  - CONDUITS AND JUNCTION BOXES SHOWN NO RISER DIAGRAMS ARE TYPICAL FOR EACH DEVICE IN ROOM.
  - COVER ALL JUNCTION BOXES WITH A BLANK NYLON COVER PLATE.

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801-328-5151  
fax: 801-328-5155  
www.spectrum-engineers.com

### DEFINITIONS

NOTE: ALL DEFINITIONS MAY NOT BE USED.

INDICATED: THE TERM "INDICATED" REFERS TO GRAPHIC REPRESENTATIONS, NOTES, OR SCHEDULES ON THE DRAWINGS, OTHER PARAGRAPHS OR SCHEDULES IN THE SPECIFICATIONS, AND SIMILAR REQUIREMENTS IN THE CONTRACT DOCUMENTS. WHERE TERMS SUCH AS "SHOWN", "NOTED", "SCHEDULED", AND "SPECIFIED" ARE USED, IT IS TO HELP THE READER LOCATE THE REFERENCE. NO LIMITATION ON LOCATION IS INTENDED.

DIRECTED: TERMS SUCH AS "DIRECTED", "REQUESTED", "AUTHORIZED", "SELECTED", "APPROVED", "REQUIRED", AND "PERMITTED" MEAN "DIRECTED BY THE ENGINEER", "REQUESTED BY THE ENGINEER", AND SIMILAR PHRASES.

APPROVE: THE TERM "APPROVED", WHERE USED IN CONJUNCTION WITH THE ENGINEER'S ACTION ON THE CONTRACTOR'S SUBMITTALS, APPLICATIONS, AND REQUESTS, IS LIMITED TO THE ENGINEER'S DUTIES AND RESPONSIBILITIES AS STATED IN GENERAL AND SUPPLEMENTARY CONDITIONS.

FURNISH: THE TERM "FURNISH" IS USED TO MEAN "SUPPLY AND DELIVER TO THE PROJECT SITE, READY FOR UNLOADING, UNPACKING, ASSEMBLY, INSTALLATION, AND SIMILAR OPERATIONS."

INSTALL: THE TERM "INSTALL" IS USED TO DESCRIBE OPERATIONS AT PROJECT SITE INCLUDING THE ACTUAL UNLOADING, UNPACKING, ASSEMBLY, ERECTION, PLACING, ANCHORING, APPLYING, WORKING TO DIMENSION, FINISHING, CURING, PROTECTING, CLEANING, AND SIMILAR OPERATIONS."

PROVIDE: THE TERM "PROVIDE" MEANS "TO FURNISH AND INSTALL, COMPLETE AND READY FOR THE INTENDED USE."

INSTALLER: AN "INSTALLER" IS THE CONTRACTOR OR AN ENTITY ENGAGED BY THE CONTRACTOR, EITHER AS AN EMPLOYEE, SUBCONTRACTOR, OR SUB-SUBCONTRACTOR, FOR PERFORMANCE OF A PARTICULAR CONSTRUCTION ACTIVITY, INCLUDING INSTALLATION, ERECTION, APPLICATION, AND SIMILAR OPERATIONS. INSTALLERS ARE REQUIRED TO BE EXPERIENCED IN THE OPERATIONS THEY ARE ENGAGED TO PERFORM.

TECHNOLOGY SYSTEMS: THE TERM "TECHNOLOGY SYSTEMS" IS USED TO DESCRIBE ALL LOW VOLTAGE SYSTEMS GENERALLY REFERRED TO AS "SPECIAL SYSTEMS". THESE SYSTEMS INCLUDE BUT ARE NOT NECESSARILY LIMITED TO ALL SYSTEMS WHICH UTILIZE VOLTAGES OF LESS THAN 71 VOLTS SUCH AS SOUND SYSTEMS, VIDEO SYSTEMS, TV SYSTEMS, SECURITY SYSTEMS, VOICE AND DATA CABLEING SYSTEMS, ETC...

### ABBREVIATIONS

NOTE: ALL ABBREVIATIONS MAY NOT BE USED.

"A"	AMP OR AMPS	"IG"	INSULATED GROUND
"ADJ"	ADJACENT	"IMC"	INTERMEDIATE METAL CND
"AFF"	ABOVE FINISHED FLOOR	"INIS"	INSULATED/ISOLATED
"AL"	ALUMINUM	"KVA"	KILO VOLT AMPERES
"C"	CONDUIT	"KW"	KILOWATTS
"CB"/"C/B"	CIRCUIT BREAKER	"LFMC"	LIQUID TIGHT FLEXIBLE METAL CONDUIT
"CKT"	CIRCUIT	"LFNC"	LIQUID TIGHT FLEXIBLE NONMETALLIC CONDUIT
"CO"	CONVENIENCE OUTLET	"MCA"	MINIMUM CIRCUIT AMPS
"C.O.R."	CONTRACTING OFFICER'S REPRESENTATIVE	"ML0"	MAIN LUGS ONLY
"CU"	COPPER	"N.C."	NORMALLY CLOSED
"EA"	EACH	"N.I.C."	NOT IN CONTRACT
"ELEC"	ELECTRICAL	"N.O."	NORMALLY OPEN
"EM"	EMERGENCY	"O.C."	ON CENTER
"EMT"	ELECTRICAL METALLIC TUBING	"OCP"	OVER CURRENT PROTECTION
"ENT"	ELECTRICAL NONMETALLIC TUBING	"QTY"	QUANTITY
"EQUIP"	EQUIPMENT	"R"	REMOVE
"EX"	EXISTING	"RMC"	RIGID METAL CONDUIT
"FA"	FIRE ALARM	"RNC"	RIGID NONMETALLIC CONDUIT
"FACP"	FIRE ALARM CONTROL PANEL	"RR"	REMOVE AND RELOCATE
"FLA"	FULL LOAD AMPS	"TYP"	TYPICAL
"FMC"	FLEXIBLE METAL CONDUIT	"UF"	UNDER FLOOR
"F.O.B."	FREIGHT ON BOARD	"UG"	UNDER GROUND
"GFI"	GROUND FAULT INTERRUPTER	"W"	WITH
"GR"	GROUND	"WP"	WEATHER PROOF
"HOA"	HAND-OFF-AUTO	"XFMR"	TRANSFORMER
"HP"	HORSE POWER		

AUTHORITY HAVING JURISDICTION

PROJECT DESCRIPTION  
**INTERMOUNTAIN HEALTHCARE KEY BANK TOWER LEVEL 09**

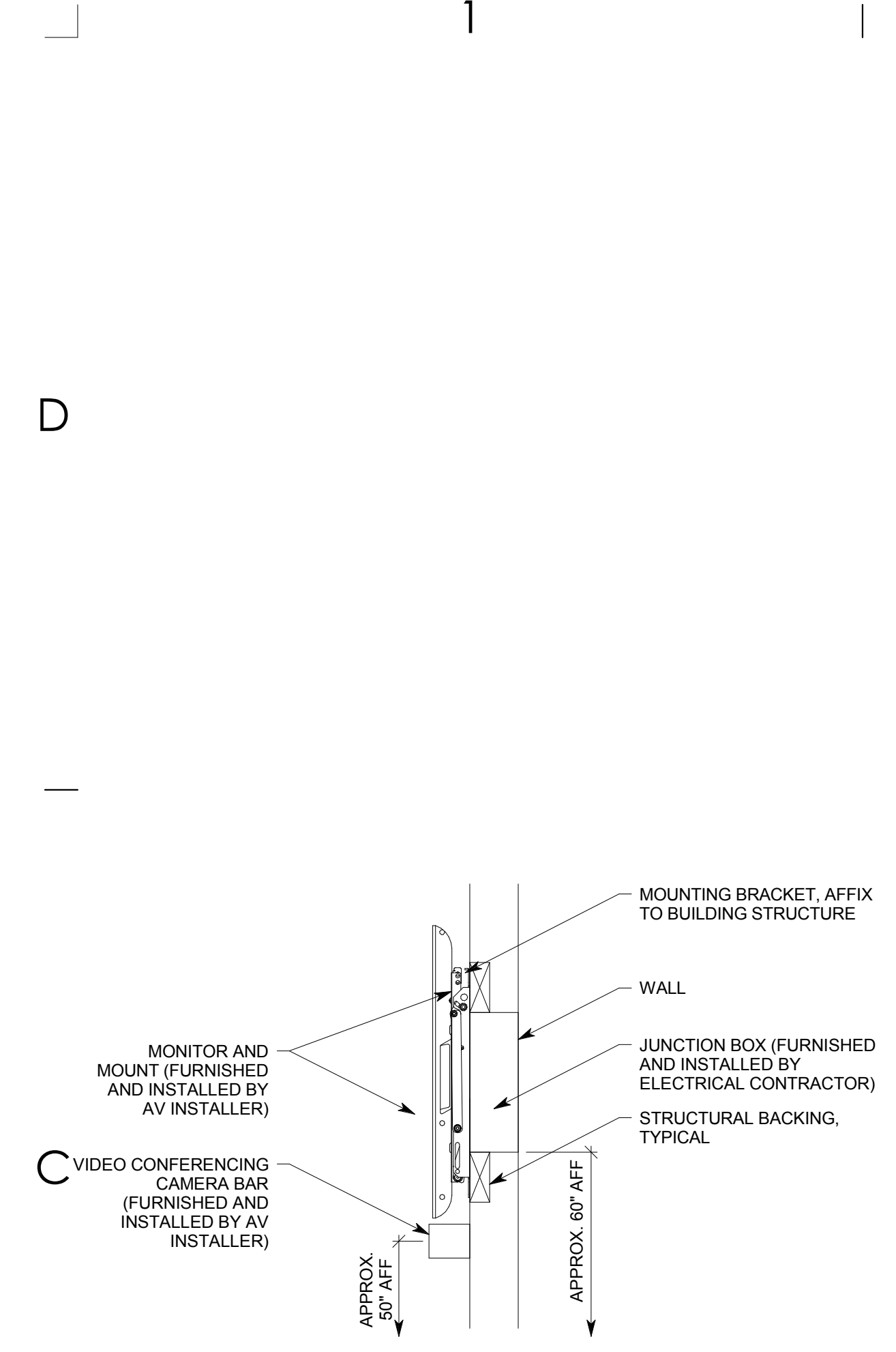
**36 S STATE STREET  
SALT LAKE CITY, UT 84111**

SHEET NAME:  
**AUDIO-VIDEO ROUGH-IN SCHEDULES, NOTES, DETAILS AND DIAGRAMS**

REVISIONS  
MARK DATE DESCRIPTION

ISSUE DATE: **03/27/2020**  
ISSUE TYPE: **CD SET**  
DRAWN BY: **SJT**  
CHECKED BY: **AWA**  
PROJECT#: **1953**

SHEET NUMBER:  
**EJ601**



**C1** NO SCALE

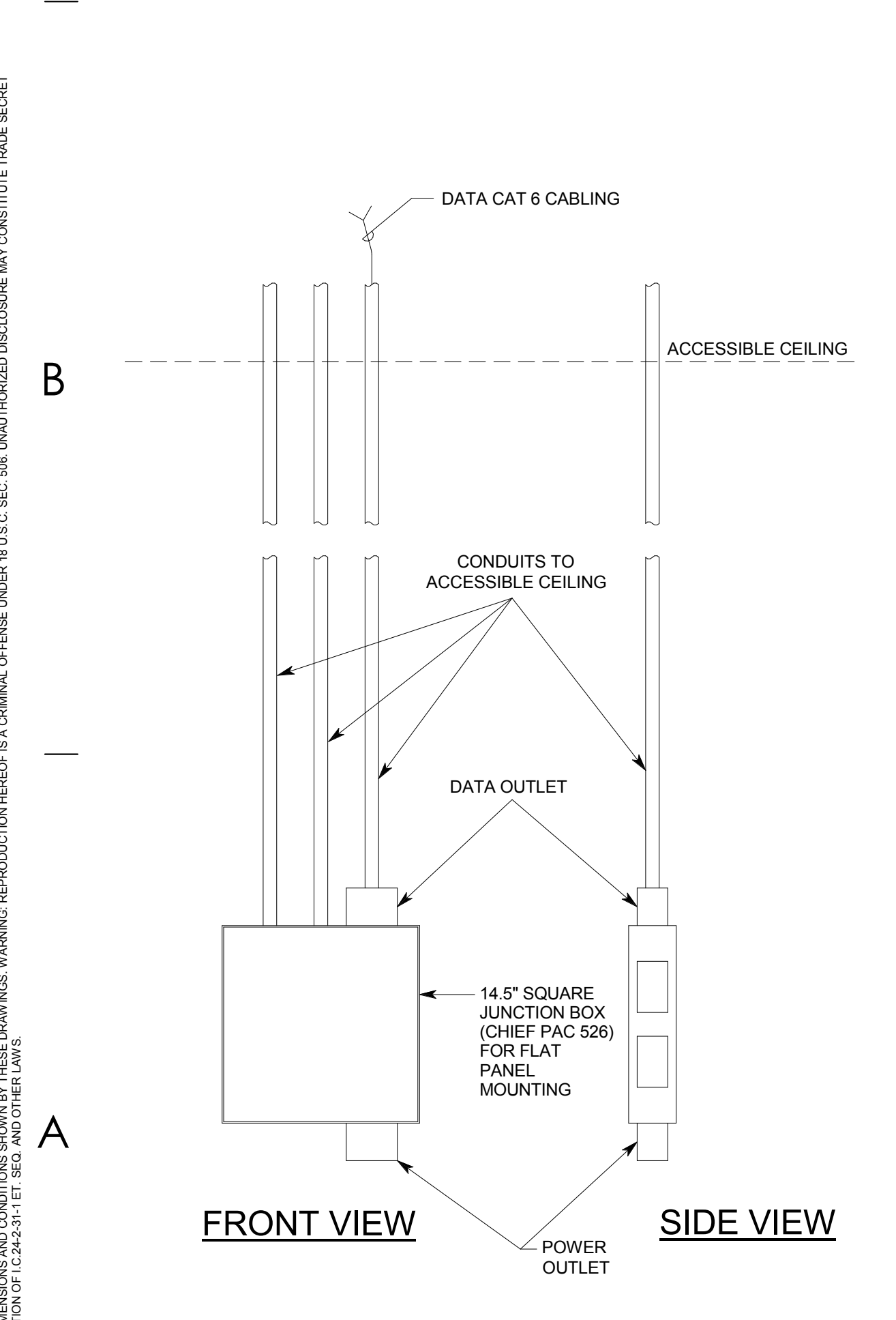
**FLAT PANEL INSTALLTION DETAIL**

MXJ



**C2** NO SCALE

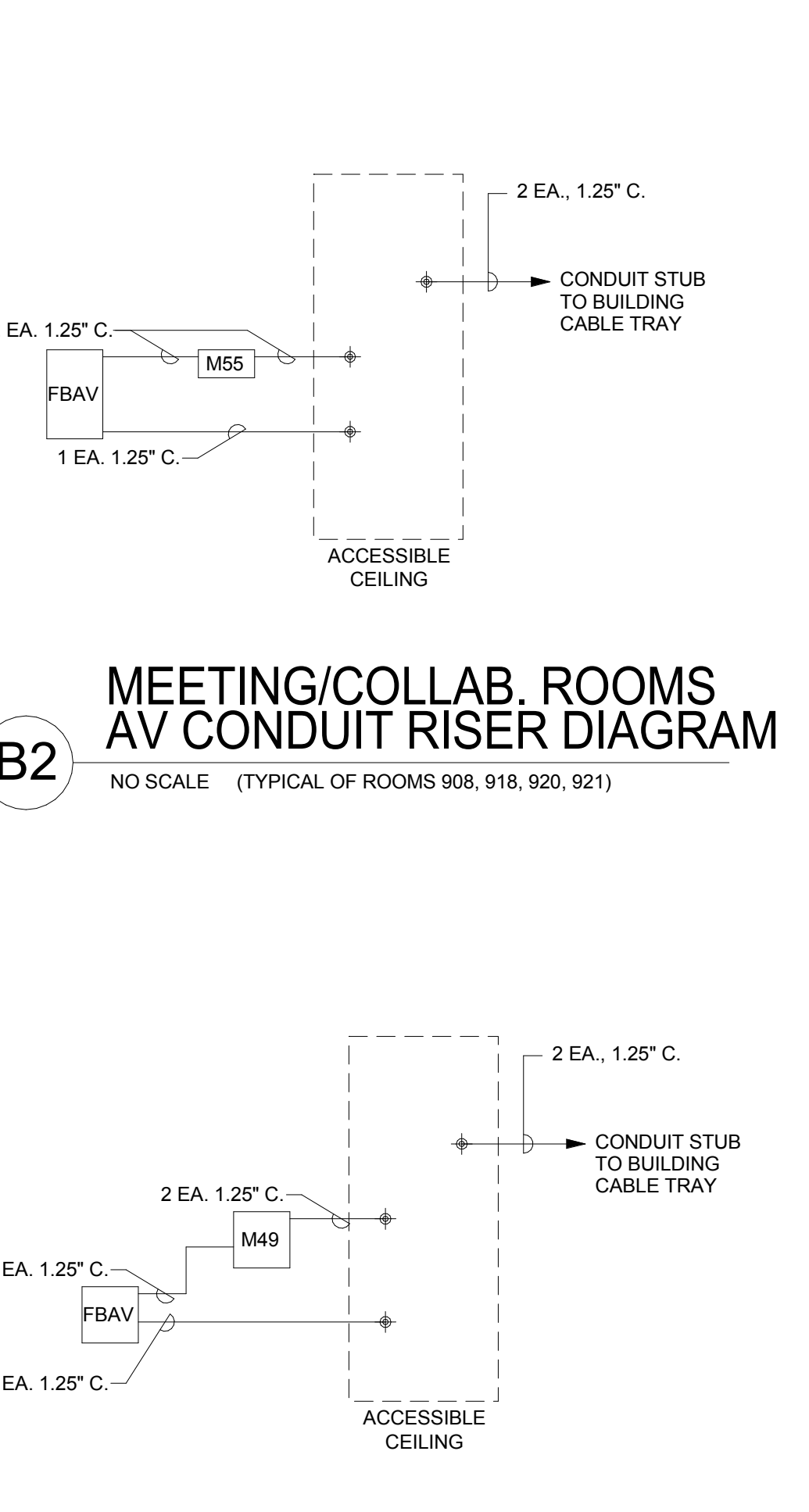
**BREAKROOM AV CONDUIT RISER DIAGRAM**



**A1** NO SCALE

**FLAT PANEL WIRING DETAIL**

MXJ



**A2** NO SCALE (TYPICAL OF ROOMS 904, 905, 906, 913)

**MEETING/COLLAB. ROOMS AV CONDUIT RISER DIAGRAM**

3/27/2020 3:37:56 PM C:\Users\sam2\Documents\20190980-Elec Central\_sam2\XVCWG.rvt  
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SHEET KEYNOTES	
1	PROVIDE NEW RECESSED RELAY PANEL MOUNTED ON REAR WALL OF ELECTRICAL ROOM.
2	CONNECT TO EXISTING EMERGENCY CIRCUIT PREVIOUSLY FEEDING EMERGENCY LIGHTING ON THIS FLOOR.
3	REFER TO THE ARCHITECTURAL PHASING DETAILS FOR THE CONSTRUCTION PHASING REQUIREMENTS OF THE EXISTING DATA CENTER.

GENERAL SHEET NOTES	
1	CIRCUIT ALL EXIT SIGNS TO AN UNSWITCHED LEG OF THE EMERGENCY CIRCUIT INDICATED.
2	PROVIDE FULL-RANGE DIMMING AND DIMMING SWITCHES OF ALL FIXTURES IN THE PROJECT. PROVIDE AUTOMATIC DIMMING OF ALL FIXTURES LOCATED IN THE DAYLIGHT ZONES IN RESPONSE TO THE PHOTOCELLS LOCATED ALONG THE SAME FACADE.
3	THE EXISTING CORE WALLS AND SHAFTS ARE FIRE RATED. REFER TO ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION.
4	REFER TO THE TYPICAL WALL MOUNTED DEVICES ALIGNMENT DETAIL ON SHEET EE702 FOR ADDITIONAL REQUIREMENTS REGARDING DEVICE LOCATIONS.

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AUTHORITY HAVING JURISDICTION

PROJECT DESCRIPTION  
**INTERMOUNTAIN HEALTHCARE KEY BANK TOWER LEVEL 09**

36 S STATE STREET  
SALT LAKE CITY, UT 84111

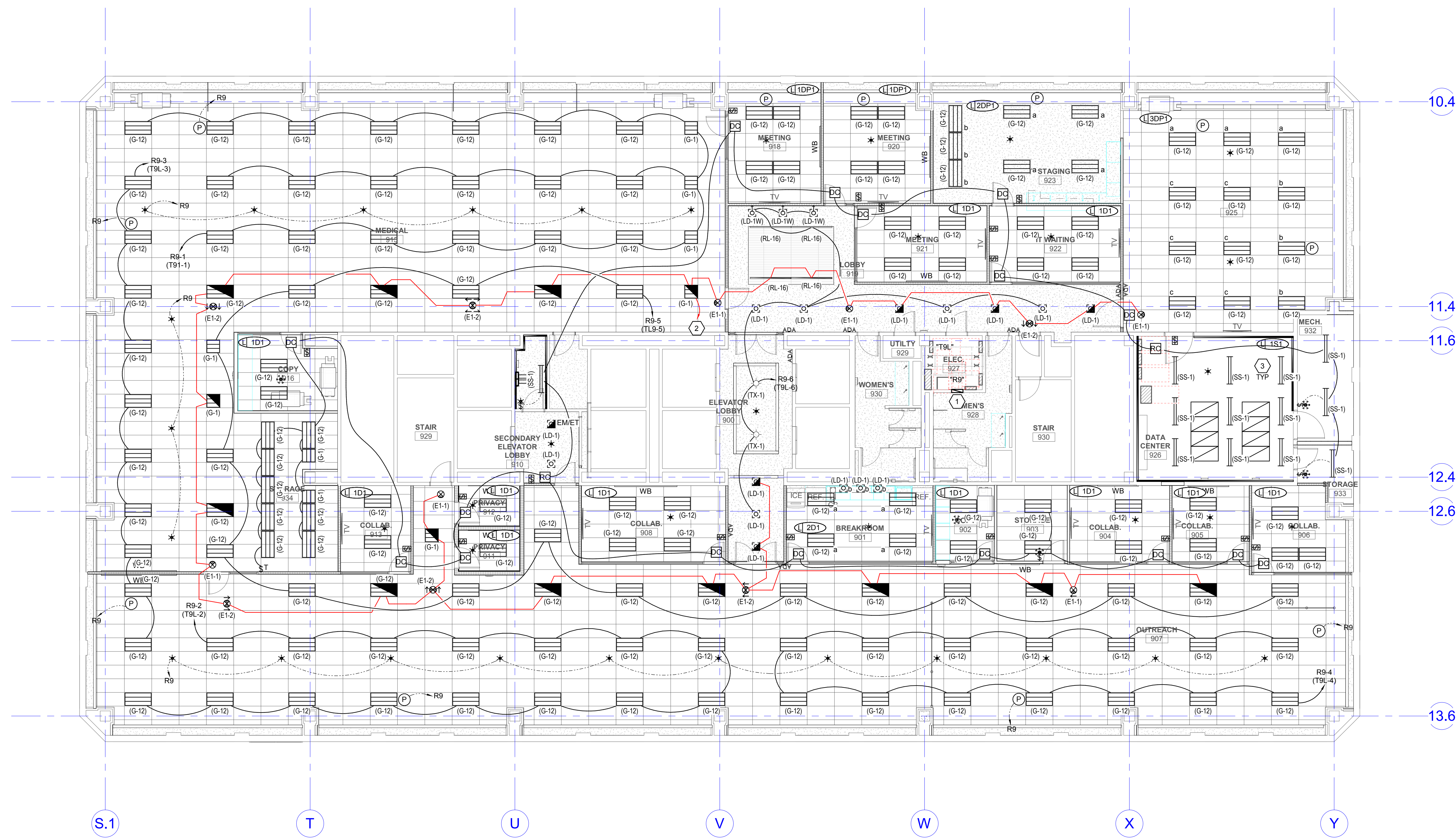
SHEET NAME:  
**LEVEL 09 LIGHTING PLAN**

REVISIONS	MARK	DATE	DESCRIPTION

ISSUE DATE: **03/27/2020**  
 ISSUE TYPE: **CD SET**  
 DRAWN BY: **DBS**  
 CHECKED BY: **TDS**  
 PROJECT#: **1953**

SHEET NUMBER:

**EL109**



**A1 LEVEL 09 LIGHTING PLAN**  
SCALE: 1/8" = 1'-0"

3/27/2020 3:38:03 PM C:\Users\sam2\Documents\20190980-Elec Central\_sam2\XCYCWG.rvt  
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- ### GENERAL SHEET NOTES
- 1 CIRCUIT ALL EXIT SIGNS TO AN UNSWITCHED LEG OF THE EMERGENCY CIRCUIT INDICATED.
  - 2 PROVIDE FULL-RANGE DIMMING AND DIMMING SWITCHES OF ALL FIXTURES IN THE PROJECT. PROVIDE AUTOMATIC DIMMING OF ALL FIXTURES LOCATED IN THE DAYLIGHT ZONES IN RESPONSE TO THE PHOTOCELLS LOCATED ALONG THE SAME FACADE.
  - 3 THE EXISTING CORE WALLS AND SHAFTS ARE FIRE RATED. REFER TO ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION.
  - 4 REFER TO THE TYPICAL WALL MOUNTED DEVICES ALIGNMENT DETAIL ON SHEET EE702 FOR ADDITIONAL REQUIREMENTS REGARDING DEVICE LOCATIONS.

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AUTHORITY HAVING JURISDICTION

PROJECT DESCRIPTION  
**INTERMOUNTAIN HEALTHCARE KEY BANK TOWER LEVEL 09**

36 S STATE STREET  
 SALT LAKE CITY, UT 84111

SHEET NAME:  
**LEVEL 09 LIGHTING ZONE PLAN**

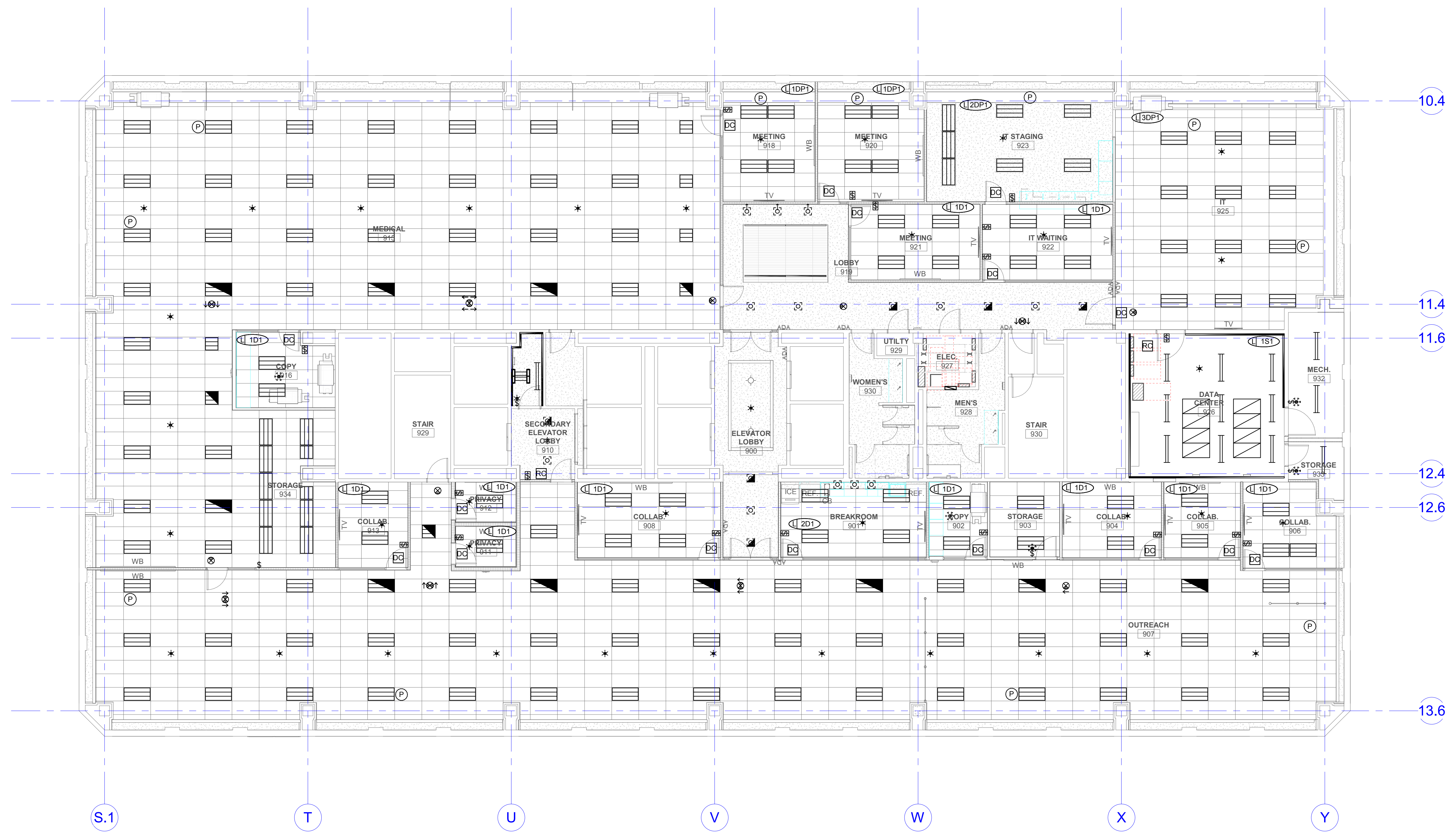
REVISIONS

MARK	DATE	DESCRIPTION

ISSUE DATE: **03/27/2020**  
 ISSUE TYPE: **CD SET**  
 DRAWN BY: **DBS**  
 CHECKED BY: **TDS**  
 PROJECT#: **1953**

SHEET NUMBER:

# EL209



**A1 LEVEL 09 LIGHTING ZONE PLAN**  
 SCALE: 1/8" = 1'-0"



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# INTERIOR LIGHTING FIXTURE SCHEDULE

## ABBREVIATIONS

### MOUNTING

- B - BASE
- C - CEILING
- F - FLANGE
- G - GRID
- P - PENDANT
- PL - POLE
- R - RECESSED
- S - SURFACE
- W - WALL

### LUMINAIRE OPTIONS

- ARHR - AIR RETURN AND HEAT REJECTION
- DL - DAMP LOCATION
- ECC - EARTHQUAKE CLIPS
- F - FUSING
- HLD - HINGED AND LATCHED DOOR
- HS - HOUSE SIDE SHIELD
- PS - PHOTOCELL SWITCH
- QRS - QUARTZ RESTRIKE
- ST - STATIC
- WG - WIRE GUARD
- WL - WET LOCATION

### FINISH

- MW - MATTE WHITE
- BL - BLACK
- SL - SILVER
- GL - GOLD
- CL - CLEAR
- PW - PAINTED WHITE
- AL - ALUMINUM
- S - STEEL
- GS - GALVANIZED STEEL
- C - CAST
- CBA - COLOR BY ARCHITECT
- SCBA - STANDARD COLOR BY ARCHITECT
- CCA - CUSTOM COLOR BY ARCHITECT
- FS - MEETS FEDERAL STANDARD 209D
- TP - THERMALLY PROTECTED
- FL - FLUSH
- R - REGRESS
- M - MITERED

### DIFFUSER/LENS

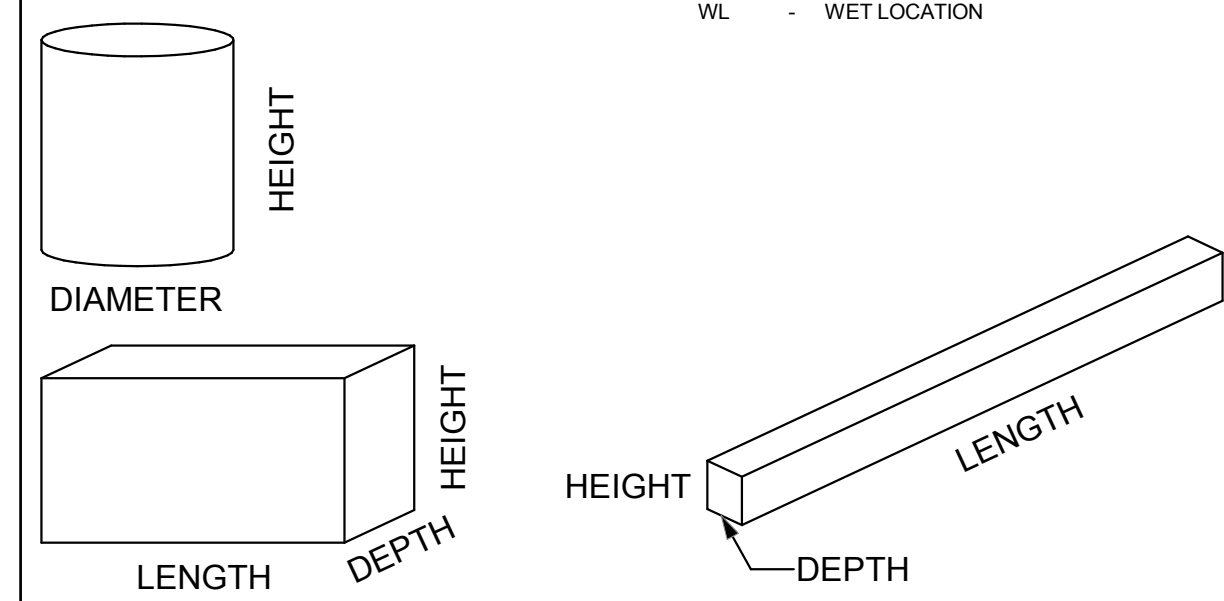
- #A - ACRYLIC #THICK
- #OA - ACRYLIC #THICK (OPAL)
- CC - GLASS (CLEAR)
- GO - GLASS (OPAL)
- GF - GLASS (FROSTED)
- SGL - SOFT GLOW LENS
- HPL - HIGH PERFORMANCE LENS
- DO - DROP OPAL
- CGL - CONVEX GLASS LENS
- S - SATIN LENS

### REFLECTOR

- OP - NONE/OPEN
- SP - SPECULAR
- SS - SEMI-SPECULAR
- D - DIFFUSE (WHITE ENAMEL)
- SC - SPECULAR (COLORED)
- PR - PRISMATIC
- FDR - FULL DEPTH REFLECTOR
- DS - DIFFUSE (SEMI SPECULAR) SILVER
- LI - LOW IRIDESCENT
- IR - IRIDESCENT
- SL - SILVER
- GL - GOLD
- CA - CLEAR ALZAK

## GENERAL NOTES

1. PROVIDE UNIT PRICES AND FIXTURE BRAND SELECTED FOR ADD/DELETE CHANGES FOR EACH FIXTURE TYPES SHOWN WITHIN 48 BUSINESS HOURS OF THE BID DATE. FAILURE TO COMPLY WITH THIS REQUIREMENT MAY DISQUALIFY THE PRODUCTS AND EMPOWER THE ENGINEER TO DETERMINE FAIR VALUE FOR FIXTURE AND INSTALLATION CHANGES, WITHOUT FURTHER INPUT FROM THE CONTRACTOR OR INSTALLER.
2. CONTRACTOR ALLOWANCE PRICES ARE ACCURATE WHEN THIS JOB WAS SPECIFIED. CONTRACTOR AND ELECTRICAL DISTRIBUTOR SHALL VERIFY THIS ALLOWANCE AND REPORT ANY PROBLEMS TO THE ENGINEER BEFORE THE BID. ALLOWANCE PRICE MAY OR MAY NOT INCLUDE LAMP(S) OR FREIGHT AS NOTED, AND DO NOT INCLUDE ANY TAXES.
3. SUBSTITUTIONS AND/OR EQUAL FIXTURES MUST RECEIVE APPROVAL PRIOR TO BIDDING. THEY MUST BE SUBMITTED TO THE ENGINEER NO LESS THAN 2 WEEKS PRIOR TO BID OPENING.
4. SAMPLES MUST BE PROVIDED FOR ANY AND ALL FIXTURES UPON A/E REQUEST PRIOR TO RELEASING FIXTURES.
5. ALL FIXTURES SHALL BE LISTED AND APPROVED FOR THEIR INTENDED USE AND LOCATION.
6. VERIFY THE PROPER MOUNTING KITS OR ACCESSORIES TO FACILITATE INSTALLATION AS SHOWN AT EACH LOCATION ON THE DRAWINGS.
7. COMPLY WITH THE "INTERIOR LIGHTING" SECTION OF THE SPECIFICATIONS.
8. REFER TO SPECIFICATIONS FOR IMPORTANT TECHNICAL REQUIREMENTS FOR LIGHTING FIXTURES, DRIVERS, AND LAMPS.
9. ALL LIGHT FIXTURES TO BE EITHER "DLC" OR "LIGHTING FACTS" LISTED OR TO BE APPROVED BY ARCHITECT/ENGINEER AND USU.



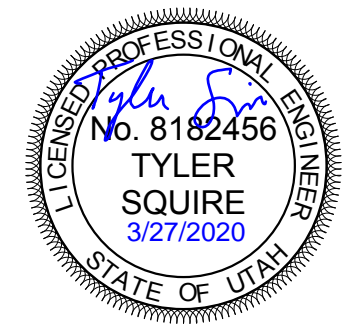
### NOTES

1

ID	DESCRIPTION	NOMINAL SIZE				MOUNTING	TYPE	COLOR TEMP	CRI	DRIVER CONFIGURATION	VOLTAGE	WATTS	FINISH	FIXTURE LUMENS	OPTIONS	MANUFACTURER (CATALOG SERIES)						
		LENGTH	DEPTH	HEIGHT	DIAMETER/APERTURE											OPTION 1	OPTION 2	OPTION 3	OPTION 4	OPTION 5	OPTION 6	
(E1-1)	LED EDGE-LIT EXIT SIGN, SINGLE FACE					C				LED DRIVER		0		0		CHLORIDE (CA-6-GC-A-1)	DUAL-LITE (LESCSGXNA)	ISOLITE (EUG-AC-G-1C)	EVENLITE (TEXZ-EM-G-URC)	EVENLITE (TEXZ-AC-URC+EM)		
(E1-2)	LED EDGE-LIT EXIT SIGN, DOUBLE FACE					C				LED DRIVER		0		0		CHLORIDE (CA-6-GM-A-2)	DUAL-LITE (LESCSGXNA)	ISOLITE (EUG-AC-G-2M)	EVENLITE (TEXZ-EM-G-URC)	EVENLITE (TEXZ-AC-URC+EM)		
(G-1)	RECESSED LED TROFFER, CENTER BASKET STYLE.	2'	2'	5"		C,R	LED	3500K	80	LED DRIVER (0-10V DIMMING)	UNV	36		3300		LITHONIA (2BLT2-33L-ADP-EZ1-LP835)	COLUMBIA LIGHTING (LCAT22-35MLG-ED1U)	METALUX (22C22-32-UNV-L83 5-CD1-U)	DAYBRITE (2FGG38835-2-D-U NV-DIM)	HE WILLIAMS, INC. (LT-22-L39/835-AF -(L33)-DIM-UNV)		
(G-12)	RECESSED LED TROFFER, CENTER BASKET STYLE.	4'	2'	5"		C,R	LED	3500K	80	LED DRIVER (0-10V DIMMING)	UNV	47		4800		LITHONIA (2BLT4-48L-ADP-EZ1-LP835)	COLUMBIA LIGHTING (LCAT24-35MLG-ED1U)	METALUX (24C22-50-UNV-L83 5-CD1-U)	DAYBRITE (2FGG48L335-4-D-UNV-DIM)	HE WILLIAMS, INC. (LT-24-L52/835-AF -(L48)-DIM-UNV)		
(LD-1)	LED DOWNLIGHT, 4" APERTURE, 2000 LUMENS.				4"	C,R	LED	3500K		LED DRIVER		24		2000		GOTHAM (EVO-35/20-4AR-WD-LSS-MVOLT)	PRESOLITE (LF4SL-4LFSL20L35K8)	PORTFOLIO (LD4B20D010 EU4B10208035 4LBM1H HB26)	LIGHTOLIER (4RN W/Z4RDL20835W0 CDZ10U)	PORTFOLIO (LDSQ4B20D010 EU4B10208035 4LBSQ1H HB26)	LIGHTOLIER (4RR ZARDL20835W0-STANDARDFINIS H-Z10U)	
(LD-1W)	LED DOWNLIGHT, 4" APERTURE, 2000 LUMENS, WALLWASH OPTICS.				4"	C,R	LED	3500K		LED DRIVER		24		2000		GOTHAM (EVO-WW-35/20-4AR-WD-LSS-MVOLT)						
(RL-16)	NARROW RECESSED LINEAR LED FIXTURE, SURFACE MOUNT FIXTURE BETWEEN WOOD SLATS.	6'	1 1/2"	3"		C,R	LED	3500K	90+	LED DRIVER (0-10V DIMMING)	UNV	44	BL	4000		LUMENWERX (MIKPD-HLO-LED-90-500-6FT-UNV-M IKDR-1-53WAC36-W)	PINNACLE ARCHITECTURAL LIGHTING (KEL-LED-125-CLO-200-6-STA NDARDFINISH-FW-277-D1-SM)	ARCHITECTURAL LIGHTING WORKS (HB1-26S S6 HI/90/3500K 0-10V-S EXT NNNNNN BK UNV)	LUMIUM (NO-SMT-6'-35K-SO -UNV-10D-SCBA-M F-MA-XX-90)	SELUX (L36 1B35 35 LW C 06 SCBA UNV DIM)		
(SS-1)	GENERAL PURPOSE LED STRIP	48"	9"	5"		CS,P	LED	3500K	80	LED DRIVER	UNV	53		5000		COLUMBIA (LR0-4-40-ML-E-U)	LITHONIA (CLX-L48-5000LM-SEF-RDL-M VOLT-GZ10-40K-80CRI-WH)	METALUX (4SNLED-LDS-50SL- LW-UNV-L835-CD1-U AYC-CHAINSET-U)	DAYBRITE (FSS455L835-UNV-DIM)			
(TX-1)	DECORATIVE ELEVATOR LOBBY PENDANT.				39.5"	P	LED	3500K		LED DRIVER (0-10V DIMMING)	UNV	108		9504		SCOTT (S2223-L108-35K-BA-OA)						NO SUBSTITUTIONS ALLOWED. CONTRACTOR ALLOWANCE REQUESTED.

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PROJECT DESCRIPTION  
**INTERMOUNTAIN  
 HEALTHCARE KEY BANK  
 TOWER LEVEL 09**

**36 S STATE STREET  
 SALT LAKE CITY, UT 84111**

SHEET NAME:  
**INTERIOR LIGHTING  
 FIXTURE SCHEDULE**

REVISIONS  
 MARK DATE DESCRIPTION

ISSUE DATE: **03/27/2020**  
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SHEET NUMBER:

**EL601**

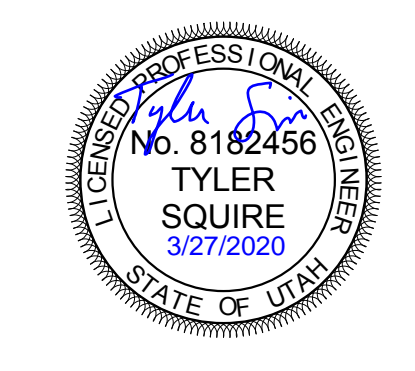
# LIGHTING/SPACE CONTROL TYPE SCHEDULE

<b>WIRING LEGEND</b> — LINE VOLTAGE WIRING - - - 0-10V WIRING - - - CAT5 CABLING — WIRING BY OTHERS ○ TWP SEGMENT NETWORK CABLING	<b>APPROVED MANUFACTURERS</b> 1. WATTSTOPPER (BASIS OF DESIGN) 2. NLIGHT 3. HUBBEL BUILDING AUTOMATION 4. GREENGATE	<b>LIGHTING CONTROL ID</b> 1. # = NUMBER OF ZONES 2. D = DIMMING, S = SWITCHING 3. P = DAYLIGHT PHOTOCELL 4. L = PLUG LOAD CONTROLLER 5. # = INSTANCE	<b>GENERAL NOTES</b> 1. COORDINATE INITIAL PROGRAMMING WITH OWNER AND MODIFY CONTROL TIMES AND OPERATION AS REQUESTED BY OWNER. 2. PROVIDE FINE TUNING PROGRAMMING AND ADJUSTMENTS UPON REQUEST BY OWNER WITHIN FIRST 6 MONTHS AFTER SUBSTANTIAL COMPLETION. 3. PROVIDE CUSTOMIZED ENGRAVED PERMANENT BUTTON LABELS ON EACH SWITCH. LABEL TO MATCH BUTTON LABEL ID OR AS DIRECTED BY OWNER. 4. PART NUMBERS SHOWN ARE BASED ON WATTSTOPPER AS THE BASIS OF DESIGN. ALL APPROVED MANUFACTURERS ARE SUBJECT TO MEETING ALL FUNCTIONS AND CAPABILITIES OF THE BASIS OF DESIGN SYSTEM AND PRODUCTS. FAILURE TO MEET THESE SHALL REQUIRE THE CONTRACTOR TO PROVIDE A SYSTEM THAT DOES AT NOT ADDITIONAL COST.	<b>GENERAL NOTES</b> 5. REFER TO PLANS FOR LOCATIONS AND QUANTITIES OF DEVICES. 6. INSTALL ONE OF EACH CONTROL TYPE WITH PROGRAMMING, ADJUST, AND OBTAIN OWNERS APPROVAL PRIOR TO PROGRAMMING THE REMAINING CONTROLS. 7. WIRING MAY VARY BETWEEN MANUFACTURERS. CONTRACTOR IS RESPONSIBLE FOR PROVIDING THE REQUIRED WIRING THAT WILL BOTH MEET THE MANUFACTURERS REQUIREMENTS AND MATCH WITH THE SHOWN SYSTEM. 8. PROVIDE COMPLETE SHOP DRAWING SUBMITTALS INCLUDING OCCUPANCY SENSOR LAYOUT AND COVERAGE PATTERNS. PROVIDE ADDITIONAL SENSORS AS REQUIRED FOR 100% COVERAGE OF SPACES WITH OCCUPANCY SENSOR CONTROL.
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ID	DETAIL	LIGHTS ON CONTROL	LIGHTS OFF CONTROL	LIGHTING CONTROL TYPE	DAYLIGHT SENSOR SETTING (FC)	TIME DELAY TO OFF (MIN)	BAS AUX RELAY SIGNAL	PLUG LOAD CONTROLLER	NETWORKED CONTROLS	BUTTON_1	BUTTON_2	BUTTON_3	BUTTON_4	BUTTON_5	BUTTON_6	BUTTON_7	BUTTON_8	BUTTON_9	NOTES	
1D1		MANUAL & OCCUPANCY	MANUAL OR OCCUPANCY	DIMMING 0-10V	-	15	RELAY CLOSED ON OCCUPANCY	-	-	FUNCTION: PRESS TOP-ON, HOLD TOP-RAISE LABEL ID: TOP-ON/RAISE BOTTOM-OFF/LOWER	-	-	-	-	-	-	-	-		
1DP1		MANUAL & OCCUPANCY	MANUAL OR OCCUPANCY	DIMMING 0-10V	30	15	RELAY CLOSED ON OCCUPANCY	-	-	FUNCTION: PRESS TOP-ON, HOLD TOP-RAISE LABEL ID: TOP-ON/RAISE BOTTOM-OFF/LOWER	-	-	-	-	-	-	-	-		
1S1		MANUAL & OCCUPANCY	MANUAL OR OCCUPANCY	ON/OFF	-	15	RELAY CLOSED ON OCCUPANCY	-	-	FUNCTION: PRESS-ON PRESS-OFF LABEL ID: ON/OFF	-	-	-	-	-	-	-	-		
2D1		MANUAL & OCCUPANCY	MANUAL OR OCCUPANCY	DIMMING 0-10V	-	15	RELAY CLOSED ON OCCUPANCY	-	-	TOGGLE PRESS TOP-ON, PRESS BOTTOM-OFF, HOLD TOP-RAISE, HOLD BOTTOM-OFF/LOWER	FUNCTION: PRESS-PRESET SCENE #01 ZONE "a" 75% LABEL ID: "PRE #1"	FUNCTION: PRESS-PRESET SCENE #02 ZONE "b" 75% LABEL ID: "PRE #2"	FUNCTION: PRESS-SELECT ZONE "a" FOR DIMMING LABEL ID: "ZONE a"	FUNCTION: PRESS-SELECT ZONE "b" FOR DIMMING LABEL ID: "ZONE b"	-	-	-	-	-	
2DP1		MANUAL & OCCUPANCY	MANUAL OR OCCUPANCY	DIMMING 0-10V	30	15	RELAY CLOSED ON OCCUPANCY	-	-	FUNCTION: PRESS TOP-ON, HOLD TOP-RAISE, PRESS BOTTOM-OFF, HOLD BOTTOM-LOWER LABEL ID: TOP-ON/RAISE BOTTOM-OFF/LOWER	FUNCTION: PRESS-PRESET SCENE #01 ZONE "a" 75% LABEL ID: "PRE #1"	FUNCTION: PRESS-PRESET SCENE #02 ZONE "b" 75% LABEL ID: "PRE #2"	FUNCTION: PRESS-SELECT ZONE "a" FOR DIMMING LABEL ID: "ZONE a"	FUNCTION: PRESS-SELECT ZONE "b" FOR DIMMING LABEL ID: "ZONE b"	-	-	-	-	-	

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AUTHORITY HAVING JURISDICTION  
  
 PROJECT DESCRIPTION  
**INTERMOUNTAIN HEALTHCARE KEY BANK TOWER LEVEL 09**

**36 S STATE STREET  
 SALT LAKE CITY, UT 84111**

SHEET NAME:  
**LIGHTING CONTROL SCHEDULES**

REVISIONS  
 MARK DATE DESCRIPTION

ISSUE DATE: **03/27/2020**  
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 PROJECT#: **1953**

SHEET NUMBER:  
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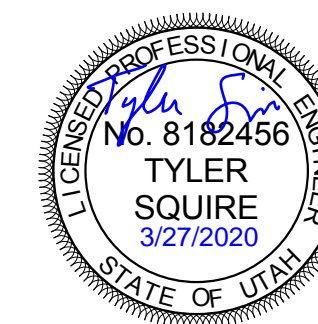
# LIGHTING/SPACE CONTROL TYPE SCHEDULE

WIRING LEGEND	APPROVED MANUFACTURERS	LIGHTING CONTROL ID	GENERAL NOTES	GENERAL NOTES
_____ LINE VOLTAGE WIRING - - - - - 0-10V WIRING ..... CAT5E CABLING _____ WIRING BY OTHERS ○-○ TWP SEGMENT NETWORK CABLING	1. WATTSTOPPER (BASIS OF DESIGN) 2. NLIGHT 3. HUBBEL BUILDING AUTOMATION 4. GREENGATE	1. # = NUMBER OF ZONES 2. D = DIMMING, S = SWITCHING 3. P = DAYLIGHT PHOTOCELL 4. L = PLUG LOAD CONTROLLER 5. # = INSTANCE	1. COORDINATE INITIAL PROGRAMMING WITH OWNER AND MODIFY CONTROL TIMES AND OPERATION AS REQUESTED BY OWNER. 2. PROVIDE FINE TUNING PROGRAMMING AND ADJUSTMENTS UPON REQUEST BY OWNER WITHIN FIRST 6 MONTHS AFTER SUBSTANTIAL COMPLETION. 3. PROVIDE CUSTOMIZED ENGRAVED PERMANENT BUTTON LABELS ON EACH SWITCH, LABEL TO MATCH BUTTON LABEL ID OR AS DIRECTED BY OWNER. 4. PART NUMBERS SHOWN ARE BASED ON WATTSTOPPER AS THE BASIS OF DESIGN. ALL APPROVED MANUFACTURERS ARE SUBJECT TO MEETING ALL FUNCTIONS AND CAPABILITIES OF THE BASIS OF DESIGN SYSTEM AND PRODUCTS. FAILURE TO MEET THESE SHALL REQUIRE THE CONTRACTOR TO PROVIDE A SYSTEM THAT DOES AT NOT ADDITIONAL COST.	5. REFER TO PLANS FOR LOCATIONS AND QUANTITIES OF DEVICES. 6. INSTALL ONE OF EACH CONTROL TYPE WITH PROGRAMMING, ADJUST, AND OBTAIN OWNERS APPROVAL PRIOR TO PROGRAMMING THE REMAINING CONTROLS. 7. WIRING MAY VARY BETWEEN MANUFACTURERS. CONTRACTOR IS RESPONSIBLE FOR PROVIDING THE REQUIRED WIRING THAT WILL BOTH MEET THE MANUFACTURERS REQUIREMENTS AND MATCH WITH THE SHOWN SYSTEM. 8. PROVIDE COMPLETE SHOP DRAWING SUBMITTALS INCLUDING OCCUPANCY SENSOR LAYOUT AND COVERAGE PATTERNS. PROVIDE ADDITIONAL SENSORS AS REQUIRED FOR 100% COVERAGE OF SPACES WITH OCCUPANCY SENSOR CONTROL.

ID	DETAIL	LIGHTS ON CONTROL	LIGHTS OFF CONTROL	LIGHTING CONTROL TYPE	DAYLIGHT SENSOR SETTING (FC)	TIME DELAY TO OFF (MIN)	BAS AUX RELAY SIGNAL	PLUG LOAD CONTROLLER	NETWORKED CONTROLS	BUTTON_1	BUTTON_2	BUTTON_3	BUTTON_4	BUTTON_5	BUTTON_6	BUTTON_7	BUTTON_8	BUTTON_9	NOTES	
3DP1		MANUAL & OCCUPANCY	MANUAL OR OCCUPANCY	DIMMING 0-10V	30	15	RELAY CLOSED ON OCCUPANCY			TOGGLE PRESS TOP-ON, PRESS BOTTOM-OFF, HOLD TOP-RAISE, HOLD BOTTOM-LOW ER	PRESET SCENE #01 - ZONE "a" 0%, ZONE "b" 50%, ZONE "c" 100%	SELECT ZONE "a"	SELECT ZONE "b"	SELECT ZONE "c"						

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AUTHORITY HAVING JURISDICTION

PROJECT DESCRIPTION  
**INTERMOUNTAIN  
 HEALTHCARE KEY BANK  
 TOWER LEVEL 09**

**36 S STATE STREET  
 SALT LAKE CITY, UT 84111**

SHEET NAME:  
**LIGHTING CONTROL  
 SCHEDULES**

REVISIONS  
 MARK DATE DESCRIPTION

ISSUE DATE: **03/27/2020**  
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 PROJECT#: **1953**

SHEET NUMBER:

**EL603**

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# A1 LEVEL 09 POWER PLAN

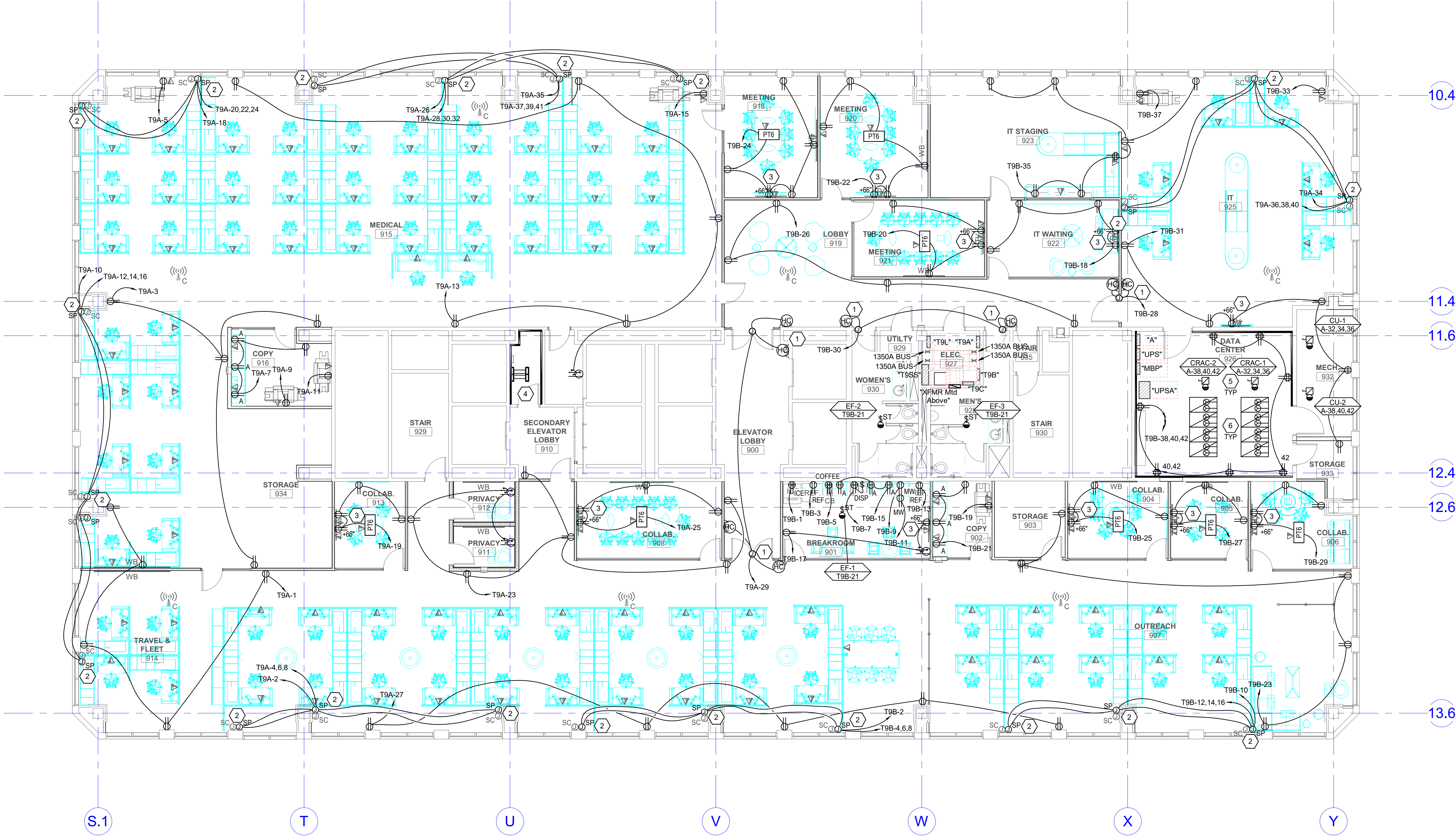
SCALE: 1/8" = 1'-0"

D

C

B

A



## SHEET KEYNOTES

- 1 PROVIDE ELECTRICAL CONNECTIONS TO ADA DOOR OPERATORS. COORDINATE MOUNTING LOCATION WITH THE ARCHITECT PRIOR TO ROUGH-IN.
- 2 PROVIDE ELECTRICAL CONNECTIONS TO SYSTEMS FURNITURE. DESIGN IS BASED ON 4 CIRCUIT/B WIRE SYSTEM (3 CIRCUITS, SHARED OVERSIZED NEUTRAL AND GROUND, PLUS 1 CIRCUIT WITH DEDICATED NEUTRAL AND GROUND). VERIFY WIRING CONFIGURATION AND FEED POINT WITH SYSTEMS FURNITURE INSTALLER PRIOR TO INSTALLATION. COORDINATE WITH FURNITURE INSTALLER SUCH THAT CIRCUITS ARE UNIFORMLY DISTRIBUTED TO NO MORE THAN 3 WORKSTATIONS PER CIRCUIT. COPIERS OR PRINTERS LOCATED IN A GROUP OF WORKSTATIONS SHALL RECEIVE A DEDICATED CIRCUIT.
- 3 PROVIDE ELECTRICAL AND DATA RECEPTACLE MOUNTED FLUSH IN FINISHED CEILING FOR A/V MONITOR. COORDINATE WITH ARCHITECTURAL DETAILS AND A/V INSTALLER.
- 4 ALL ELECTRICAL EQUIPMENT AND DEVICES IN THIS ROOM ARE TO REMAIN AS-IS.
- 5 REFER TO THE ARCHITECTURAL PHASING DETAILS FOR THE CONSTRUCTION PHASING REQUIREMENTS OF THE EXISTING DATA CENTER.
- 6 EXISTING TWIST-LOCK RECEPTACLES MOUNTED TO LADDER RACKS OR ABOVE THE RACKS ARE TO BE RELOCATED AS SHOWN ON THE ARCHITECTURAL DATA CENTER PHASING PLAN BEFORE BEING RE-MOUNTED TO THE LADDER RACK IN THEIR NEW PERMANENT LOCATIONS SHOWN ON THIS SHEET. INCLUDE IN BID COSTS TO EXTEND OR RELOCATE EACH 208V/3-PHASE CIRCUIT UP TO 12'. COORDINATE THE EXACT RELOCATION REQUIREMENTS WITH THE OWNER.

## GENERAL SHEET NOTES

- 1 LOCATIONS OF ALL POKE-THRU'S AND SYSTEMS FURNITURE JUNCTION BOXES SHOWN SHALL BE VERIFIED WITH THE FURNITURE VENDOR AND ARCHITECT PRIOR TO INSTALLATION.
- 2 LOCATIONS OF MECHANICAL EQUIPMENT SHOWN IS APPROXIMATE. COORDINATE THE EXACT LOCATIONS OF ALL MECHANICAL EQUIPMENT WITH THE MECHANICAL INSTALLER PRIOR TO ROUGH-IN.
- 3 COORDINATE WITH ARCHITECT FOR FIRE RATED CONSTRUCTION.
- 4 THE EXISTING CORE WALLS AND SHAFTS ARE FIRE RATED. REFER TO ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION.
- 5 REFER TO THE TYPICAL WALL MOUNTED DEVICES ALIGNMENT DETAIL ON SHEET EE702 FOR ADDITIONAL REQUIREMENTS REGARDING DEVICE LOCATIONS.

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AUTHORITY HAVING JURISDICTION

PROJECT DESCRIPTION  
**INTERMOUNTAIN HEALTHCARE KEY BANK TOWER LEVEL 09**

36 S STATE STREET  
 SALT LAKE CITY, UT 84111

SHEET NAME:  
**LEVEL 09 POWER PLAN**

REVISIONS	MARK	DATE	DESCRIPTION

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# EP109

## COPPER CONDUCTOR AND CONDUIT SCHEDULE

SCHEDULE NUMBER										
SUBSCRIPT (NOTE 5) (E.G. 5) IG										
SYM	AMP	HH AMPS	CONDUIT SIZE	CONDUCTOR (NOTE 1)			IG/HH	SE	NOTES	
			QTY	SIZE	G					
(1)	20	-	.75	2	12	12	12	8	2	
(2)	20	-	.75	3	12	12	12	8	2,3	
(3)	20	24	.75	4	12	12	12	8	2,3	
(4)	30	-	.75	2	10	10	10	8	2	
(5)	30	-	.75	3	10	10	10	8	2	
(6)	30	32	.75	4	10	10	10	8	2	
(7)	40	-	1	2	8	10	8	6	2	
(8)	40	-	1	3	8	10	8	6	2	
(9)	40	44	1	4	8	10	8	6	2	
(10)	55	-	1	2	6	10	8	4	2	
(11)	55	-	1	3	6	10	8	4	2	
(12)	55	60	1.25	4	6	10	8	4	2	
(13)	70	-	1	2	4	8	4	2	2	
(14)	70	-	1.25	3	4	8	4	2	2	
(15)	70	76	1.25	4	4	8	4	2	2	
(16)	85	-	1.25	2	3	8	3	2	2	
(17)	85	-	1.25	3	3	8	3	2	2	
(18)	85	92	1.25	4	3	8	3	2	2	
(19)	95	-	1.25	3	2	8	2	2	2	
(20)	95	104	1.50	4	2	8	2	2	2	
(21)	130	-	1.50	3	1	6	2	2	2	
(22)	130	116	1.50	4	1	6	2	2	2	
(23)	150	-	2	3	1/0	6	2	1/0	2	
(24)	150	136	2	4	1/0	6	2	1/0	2	
(25)	175	-	2	3	2/0	6	2	2/0	2	
(26)	175	156	2	4	2/0	6	2	2/0	2	
(27)	200	-	2	3	3/0	6	2	2/0	2	
(28)	200	180	2.50	4	3/0	6	2	2/0	2	
(29)	230	-	2.50	3	4/0	4	2	2/0	2	
(30)	230	208	2.50	4	4/0	4	2	2/0	2	
(31)	255	-	2.50	3	250	4	1	2/0	2	
(32)	255	232	2.50	4	250	4	1	2/0	2	
(33)	310	-	3	3	350	3	1/0	3/0	2	
(34)	310	280	3	4	350	3	1/0	3/0	2	
(35)	380	-	3.50	3	500	3	3/0	3/0	2	
(36)	380	344	4	4	500	3	3/0	3/0	2	
(37)	400	-	2 EA 2	3	3/0	3	3/0	3/0	2	
(38)	400	360	2 EA 2.50	4	3/0	3	3/0	3/0	2	
(39)	510	-	2 EA 2.50	3	250	1	4/0	3/0	2	
(40)	510	464	2 EA 3	4	250	1	4/0	3/0	2	
(41)	620	-	2 EA 3	3	350	1/0	4/0	3/0	2,4	
(42)	620	560	2 EA 3	4	350	1/0	4/0	3/0	2,4	
(43)	760	-	2 EA 3.50	3	500	1/0	4/0	3/0	2,4	
(44)	760	688	2 EA 4	4	500	1/0	4/0	3/0	2,4	
(45)	855	-	3 EA 3	3	300	2/0	4/0	3/0	2,4	
(46)	855	768	3 EA 3	4	300	2/0	4/0	3/0	2,4	
(47)	1000	-	3 EA 3.50	3	400	2/0	4/0	3/0	4	
(48)	1000	912	3 EA 3.50	4	400	2/0	4/0	3/0	4	
(49)	1140	-	3 EA 4	3	500	3/0	4/0	3/0	4	
(50)	1140	1032	3 EA 4	4	500	3/0	4/0	3/0	4	
(51)	1240	-	4 EA 3	3	350	3/0	4/0	3/0	4	
(52)	1240	1120	4 EA 3	4	350	3/0	4/0	3/0	4	
(53)	1675	1520	5 EA 4	4	400	4/0	4/0	4/0	4	
(54)	2010	1824	6 EA 4	4	400	250	250	250	4	
(55)	2660	2408	7 EA 4	4	500	350	350	350	4	
(56)	3040	2752	8 EA 4	4	500	500	500	500	4	
(57)	4180	3784	11 EA 4	4	500	500	500	500	4	
(58)	-	-	5 EA 4	-	-	-	-	-	6	
(59)	-	-	5	-	-	-	-	-	6	
(60)	-	-	10 EA 4	-	-	-	-	-	6	

### CONDUIT AND CONDUCTOR SCHEDULE NOTES

- CONDUCTORS SHOWN ARE SHOWN FOR EACH CONDUIT WITH MODIFICATIONS AS NOTED IN NOTE 5. ALL CONDUCTORS SHOWN ARE THWN UNLESS OTHERWISE NOTED.
- PROVIDE EQUIPMENT GROUND CONDUCTORS PER TABLE 250-122 WHEN CIRCUIT BREAKERS ARE SIZED GREATER THAN AMPERE RATING SHOWN IN TABLE.
- PROVIDE #10 NEUTRALS FOR MULTI-WIRE BRANCH CIRCUITS SERVING COMPUTERS.
- GROUND (G) CONDUCTOR MAY BE DELETED ON SERVICE ENTRANCE CONDUCTORS.
- SYMBOL SUBSCRIPTS:
  - "2N": INCLUDE TWO NEUTRAL CONDUCTORS SIZED AS SCHEDULED FOR PHASE AND NEUTRAL CONDUCTORS WHERE THE CONDUCTOR IS #1/0 OR LARGER. INCLUDE A SINGLE 200% RATED CONDUCTOR THAT IS TWICE THE AMPACITY OF THE SCHEDULED PHASE AND NEUTRAL CONDUCTOR WHERE THE CONDUCTOR IS BELOW #1/0 IN SIZE.
  - "FG": FULL SIZE GROUND, SIZE EQUIPMENT GROUNDING CONDUCTOR TO BE SAME SIZE AS THE PHASE CONDUCTORS.
  - "HH": NEUTRAL CURRENTS EXIST DUE TO HIGH HARMONIC "NONLINEAR" LOADS. CURRENT CARRYING CONDUCTORS DERATED ACCORDINGLY. PROVIDE THE IG/HH SIZE FOR THE EQUIPMENT GROUNDING CONDUCTOR.
  - "IG": INCLUDE IG (INSULATED/ISOLATED GROUND CONDUCTOR) SCHEDULED ALONG WITH THE GROUND OF EQUIPMENT GROUND CONDUCTOR.
  - "SE": SUBSTITUTE "SE" CONDUCTOR FOR "G" CONDUCTOR SHOWN, WHICH IS SIZED FOR THE GROUNDING OF THE SECONDARY OF THE SEPARATELY DERIVED SYSTEM.
- RACEWAY ONLY. CONDUCTORS PROVIDED BY UTILITY.

## EQUIPMENT SCHEDULE

IHC KEY BANK TOWER - LEVEL 9

### EQUIPMENT SCHEDULE KEY

- E - DIVISION 26
- Q - FURNISHED WITH EQUIPMENT
- \* - COORDINATE WITH THE DIVISION 23 TEMPERATURE CONTROL INSTALLER
- \*\* - AUTOMATIC CONTROL WIRING BY DIVISION 23

MARK	QTY	ITEM DESCRIPTION	LOAD DATA					OVERCURRENT PROTECTION			DISCONNECT			STARTER						NOTES	MARK					
			HP	kW	MCA	FLA	VOL T	PH	Hz	WIRE AND CONDUIT SIZE	FURN BY	DEVICE	LOCATION	FURN BY	DEVICE	LOCATION	FURN BY	DEVICE	SIZES			SELECTOR SWITCH	PILOT LAMP	NORMALLY OPEN CONTACT	NORMALLY CLOSED CONTACT	PHASE FAILURE RELAY
CRAC-1	1	CRAC INDOOR UNIT	-	-	-	40.7	208	3	60	4 #4, #8GR 1.25" CND	E	70/3 CB	A	E	60A/3P FRS-60	ADJ TO EQUIP	Q	-	-	-	-	-	-	-		CRAC-1
CRAC-2	1	CRAC INDOOR UNIT	-	-	-	40.7	208	3	60	4 #4, #8GR 1.25" CND	E	70/3 CB	A	E	60A/3P FRS-60	ADJ TO EQUIP	Q	-	-	-	-	-	-	-		CRAC-2
CU-1	1	CRAC CONDENSING UNIT	-	-	-	3.2	208	3	60	4 #12, #12GR 0.75" CND	E	70/3 CB	A	E	30A/3P FRS-15	ADJ TO EQUIP	Q	-	-	-	-	-	-	-		CU-1
CU-2	1	CRAC CONDENSING UNIT	-	-	-	3.2	208	3	60	4 #12, #12GR 0.75" CND	E	70/3 CB	A	E	30A/3P FRS-15	ADJ TO EQUIP	Q	-	-	-	-	-	-	-		CU-2
EF-1	1	EXHAUST FAN	1/6	-	-	1	120	1	60	2 #12, #12 GR 0.75" CND	E	20/1 CB	T9B	E	TOGGLE SWITCH	ADJ TO EQUIP	Q	-	-	-	-	-	-	-		EF-1
EF-2	1	EXHAUST FAN	1/6	-	-	1	120	1	60	2 #12, #12 GR 0.75" CND	E	20/1 CB	T9B	E	TOGGLE SWITCH	ADJ TO EQUIP	Q	-	-	-	-	-	-	-		EF-2
EF-3	1	EXHAUST FAN	1/6	-	-	1	120	1	60	2 #12, #12 GR 0.75" CND	E	20/1 CB	T9B	E	TOGGLE SWITCH	ADJ TO EQUIP	Q	-	-	-	-	-	-	-		EF-3

## FLOORBOX SCHEDULE

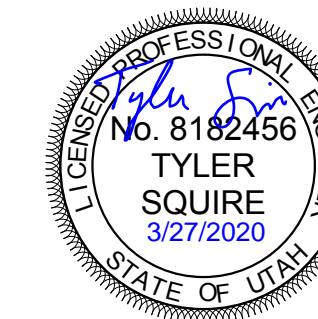
### ABBREVIATIONS

COMPARTMENT GANG	RATINGS	USE	CONNECTION
- - NOT APPLICABLE AV - AV CONNECTIONS, REFER TO AV DRAWINGS/SPECIFICATIONS D - DATA RECEPTACLE DR - DUPLEX RECEPTACLE QR - QUADRAPLEX RECEPTACLE	2H - 2-HOUR FIRE RATED, UL LISTED	CF - CONCRETE FLOOR          <b>FINISH</b> AL - ALUMINUM	C1 - RECESSED CABLE CONNECTIONS BELOW FLOOR WITH HINGED LID FOR ACCESS THAT CAN BE CLOSED WHILE IN USE.
<b>NOTES:</b> 1 PROVIDE ALL REQUIRED HARDWARE FOR COMPLETE INSTALLATION. 2 INCLUDE SEPARATION BARRIER BETWEEN SYSTEMS AND POWER.			<b>COVER</b> CV1 - FLANGED WITH CARPET INSERT FOR CARPET AREAS, FLANGELESS FLUSH GRAY BRUSHED ALUMINUM LID

ID	DESCRIPTION	DIMENSIONS			COMPARTMENTS								RATINGS	USE	CONNECTION	COVER	FINISH	MANUFACTURER 1	PART #	MANUFACTURER 2	PART #	NOTE S
		LENGTH	WIDTH	DEPTH	GANG 1	GANG 2	GANG 3	GANG 4	GANG 5	GANG 6	GANG 7	GANG 8										
PT6	FIRE RATED 6" POWER/DATA/AV POKE-THRU	-	6"	18"	DR	D	AV	AV	AV	-	-	-	2H	CF	C1	CV1	AL	HUBBELL	S1R6P TFIT	WIREMOL D	-	

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AUTHORITY HAVING JURISDICTION

PROJECT DESCRIPTION  
INTERMOUNTAIN  
HEALTHCARE KEY BANK  
TOWER LEVEL 09

36 S STATE STREET  
SALT LAKE CITY, UT 84111

SHEET NAME:

EQUIPMENT SCHEDULE

REVISIONS

MARK DATE DESCRIPTION

ISSUE DATE: 03/27/2020  
ISSUE TYPE: CD SET  
DRAWN BY: DBS  
CHECKED BY: TDS  
PROJECT#: 1953

SHEET NUMBER:

# EP601

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**PANEL: "UPS"**

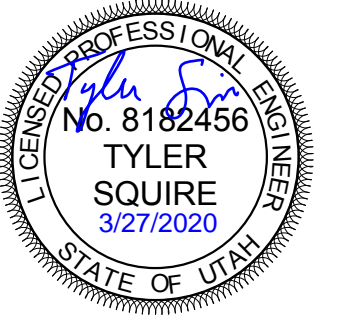
VOLTS/PHASE/WIRE:		PANEL SIZE & TYPE:			MAIN SIZE AND TYPE:			LOCATION:			CABINET:			NOTES:					
120/208V, 3 PH 4 WIRE		22" W x 6" D, BOLT-ON			200 AMPERE MAIN LUGS			DATA CENTER 926			SURFACE								
ACCESSORIES: PANEL DIRECTORY, IDENTIFICATION, GROUNDING BAR																			
AIC RATING: 0																			
CKT NO	AMP	OC	LOAD (kVA)			PHASE LOAD			DESCRIPTION	LOAD (kVA)			OC	AMP	CKT NO				
			LTG	PWR	CO	A	B	C		CO	PWR	LTG							
1	20	1	--	--	--				SPARE	0.0	0.0				1	20	2		
3	20	1	--	--	--				SPARE			0.0	0.0		1	20	4		
5	20	1	--	--	--				SPARE					0.0	0.0	1	20	6	
7	20	1	--	--	--				SPARE	0.0	0.0				1	20	8		
9	20	1	--	--	--				SPARE			0.0	0.0		1	20	10		
11	20	1	--	--	--				SPARE					0.0	0.0	1	20	12	
13	20	1	--	--	--				SPARE	0.0	0.0				1	20	14		
15	20	1	--	--	--				SPARE			0.0	0.0		1	20	16		
17	20	1	--	--	--				SPARE					0.0	0.0	1	20	18	
19	20	1	--	--	--				SPARE	0.0	0.0				1	20	20		
21	20	1	--	--	--				SPARE			0.0	0.0		1	20	22		
23	20	1	--	--	--				SPARE					0.0	0.0	1	20	24	
25	20	1	--	--	--				SPARE	0.0	0.0				1	20	26		
27	20	1	--	--	--				SPARE			0.0	0.0		1	20	28		
29	20	1	--	--	--				SPARE					0.0	0.0	1	20	30	
31	20	1	--	--	--				SPARE	0.0	0.0				1	20	32		
33	20	1	--	--	--				SPARE			0.0	0.0		1	20	34		
35	20	1	--	--	--				SPARE					0.0	0.0	1	20	36	
37	20	1	--	--	--				SPARE	0.0	0.0				1	20	38		
39	20	1	--	--	--				SPARE			0.0	0.0		1	20	40		
41	20	1	--	--	--				SPARE					0.0	0.0	1	20	42	
<b>TOTALS:</b>		CONNECTED kVA PER PHASE			0	0	0	CONNECTED TOTAL kVA = 0			CONNECTED AMPERES PER PHASE			0	0	0	AVERAGE CONNECTED AMPERES PER PHASE = 0		
NEC DIVERSIFIED LOAD CALCULATIONS																			
LIGHTING & CONTINUOUS LOADS:			- 100% CONNECTED LOAD PLUS 25%			DIVERSIFIED TOTAL kVA = 0			RECEPTACLES:			- FIRST 10kVA @ 100%, REMAINDER @ 50%			AVERAGE AMPERES PER PHASE = 0				
ALL OTHER LOADS @ 100% :			0.0 kVA			MOTOR TOTALS INCLUDED IN ALL OTHER LOADS WITH LARGEST MOTOR CALCULATED @ 125% PER NEC													

**PANEL: "A"**

VOLTS/PHASE/WIRE:		PANEL SIZE & TYPE:			MAIN SIZE AND TYPE:			LOCATION:			CABINET:			NOTES:					
120/208V, 3 PH 4 WIRE		22" W x 6" D, BOLT-ON			200 AMPERE MAIN LUGS			DATA CENTER 926			SURFACE								
ACCESSORIES: PANEL DIRECTORY, IDENTIFICATION, GROUNDING BAR																			
AIC RATING: 0																			
CKT NO	AMP	OC	LOAD (kVA)			PHASE LOAD			DESCRIPTION	LOAD (kVA)			OC	AMP	CKT NO				
			LTG	PWR	CO	A	B	C		CO	PWR	LTG							
1	20	1	--	--	--				SPARE	0.0	0.0				1	20	2		
3	20	1	--	--	--				SPARE			0.0	0.0		1	20	4		
5	20	1	--	--	--				SPARE					0.0	0.0	1	20	6	
7	20	1	--	--	--				SPARE	0.0	0.0				1	20	8		
9	20	1	--	--	--				SPARE			0.0	0.0		1	20	10		
11	20	1	--	--	--				SPARE					0.0	0.0	1	20	12	
13	20	1	--	--	--				SPARE	0.0	0.0				1	20	14		
15	20	1	--	--	--				SPARE			0.0	0.0		1	20	16		
17	20	1	--	--	--				SPARE					0.0	0.0	1	20	18	
19	20	1	--	--	--				SPARE	0.0	0.0				1	20	20		
21	20	1	--	--	--				SPARE			0.0	0.0		1	20	22		
23	20	1	--	--	--				SPARE					0.0	0.0	1	20	24	
25	20	1	--	--	--				SPARE	0.0	0.0				1	20	26		
27	20	1	--	--	--				SPARE			0.0	0.0		1	20	28		
29	20	1	--	--	--				SPARE					0.0	0.0	1	20	30	
31	20	1	--	--	--				SPARE	0.0	5.3				1	20	32		
33	20	1	--	--	--				SPARE			0.0	5.3		1	20	34		
35	20	1	--	--	--				SPARE					0.0	5.3	1	20	36	
37	20	1	--	--	--				SPARE	0.0	5.3				1	20	38		
39	20	1	--	--	--				SPARE			0.0	5.3		1	20	40		
41	20	1	--	--	--				SPARE					0.0	5.3	1	20	42	
<b>TOTALS:</b>		CONNECTED kVA PER PHASE			11	11	11	CONNECTED TOTAL kVA = 32			CONNECTED AMPERES PER PHASE			88	88	88	AVERAGE CONNECTED AMPERES PER PHASE = 87		
NEC DIVERSIFIED LOAD CALCULATIONS																			
LIGHTING & CONTINUOUS LOADS:			- 100% CONNECTED LOAD PLUS 25%			DIVERSIFIED TOTAL kVA = 16			RECEPTACLES:			- FIRST 10kVA @ 100%, REMAINDER @ 50%			AVERAGE AMPERES PER PHASE = 44				
ALL OTHER LOADS @ 100% :			0.0 kVA			MOTOR TOTALS INCLUDED IN ALL OTHER LOADS WITH LARGEST MOTOR CALCULATED @ 125% PER NEC													

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PROJECT DESCRIPTION  
INTERMOUNTAIN  
HEALTHCARE KEY BANK  
TOWER LEVEL 09

36 S STATE STREET  
SALT LAKE CITY, UT 84111

SHEET NAME:  
PANEL SCHEDULES

REVISIONS  
MARK DATE DESCRIPTION

ISSUE DATE: 03/27/2020  
ISSUE TYPE: CD SET  
DRAWN BY: SAM  
CHECKED BY: TDS  
PROJECT#: 1953

SHEET NUMBER:

**EP603**

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EQUIPMENT/CABLE LIST		
THE ITEMS INDICATED BELOW SHALL NOT BE CONSTRUED AS A "BILL OF MATERIALS". THIS LIST IDENTIFIES ITEMS OF SIGNIFICANCE USED DURING THE DESIGN OF THE CABLING INSTALLATION. WHERE THE ITEMS INDICATED ARE ONE PORTION OF AN ASSEMBLY, THE ENTIRE ASSEMBLY SHALL BE PROVIDED UNLESS SPECIFIED OTHERWISE. PROVIDE ALL MISCELLANEOUS HARDWARE AND SUPPORTS WHICH MAY NOT BE LISTED HERE. FOR A COMPLETE INSTALLATION, COMPARE CATALOG NUMBERS WITH DESCRIPTIONS AND NOTIFY ENGINEER OF DISCREPANCIES PRIOR TO BID. IF CATALOG NUMBERS DO NOT MATCH DESCRIPTIONS, THE DESCRIPTIONS TAKE PRECEDENCE. PROVIDE COMPLETE SUBMITTAL FOR APPROVAL PRIOR TO PURCHASING ANY EQUIPMENT OR CABLE. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.		
SYMBOL	ITEM DESCRIPTION	ACCEPTABLE TYPES
	STATION CABLE, DATA - CATEGORY 6A FUTP PLENUM, BLUE, DATA	SIEMON 9A6P4-AS-06-R1A
	STATION CABLE, DATA - CATEGORY 6A FUTP PLENUM, YELLOW, WIRELESS DATA	SIEMON 9A6P4-AS-05-R1A
	50 PAIR CATEGORY 3 RISER CABLE, GRAY	GENERAL CABLE OR EQUAL
	FIBER OPTIC CABLE, SINGLE-MODE, 12 STRAND, ARMORED, PLENUM CABLE, YELLOW	SIEMON 9B08P012LE205A
	LC CONNECTOR, SIMPLEX SINGLEMODE	SIEMON FC1-LC-SM-B02
▽	VOICE OUTLET, SINGLE GANG FACEPLATE, WHITE W/WALL HUNG PHONE MOUNTING STUDS, ONE POSITION W/CATEGORY 6A INSERT	SIEMON MX-WP-26AS-SS
▽	DATA OUTLET, SINGLE GANG FACEPLATE, WHITE, 2 POSITION	SIEMON 10GMX-FPS02-02
	CATEGORY 6A JACK - DATA, BLUE	SIEMON Z6A-S06
C	DATA OUTLET, SURFACE MOUNT BOX, WHITE, 2 POSITION	SIEMON MX-SMZ2-02
▽	CATEGORY 6A JACK - DATA, BLUE	SIEMON Z6A-S06
F	DATA OUTLET, FURNITURE FACEPLATE, BLACK	SIEMON MX-UMA-01
▽	CATERGRU 6A JACK - DATA, BLUE	SIEMON Z6A-S06
	BLANK MODULE, BLACK	SIEMON MX-BL-01
	DATA OUTLET, SURFACE MOUNT BOX, WHITE, 2 POSITION	SIEMON MX-SMZ2-02
	CATEGORY 6A JACK - DATA, YELLOW	SIEMON Z6A-S05
	DATA OUTLET, SURFACE MOUNT BOX, WHITE, 1 POSITION	SIEMON MX-SMZ1-02
	CATEGORY 6A JACK - DATA, BLUE	SIEMON Z6A-S06
	48 PORT, 1RU ANGLE PATCH PANEL WITH OUTLETS	SIEMON Z6AS-PA-48
	48 PORT, 2RU ANGLE PATCH PANEL, 110 STYLE	SIEMON HD5-48A
	FIBER PATCH PANEL, 3RU	SIEMON RIC3-48-01
	SIX POSITION FIBER ADAPTOR PANEL, LC	SIEMON RIC-F-LCU12-01C
	WALL MOUNT INTERCONNECT CENTER, BLACK	SIEMON SWIC3-M-01
	FIBER SPLICE TRAY BRACKET	SIEMON TRAY-B-01
	FIBER SPLICE TRAY	SIEMON TRAY-M-3
	BLANK ADAPTER PLATE, BLACK	SIEMON RIC-F-BLNK-01
	HORIZONTAL WIRE MANAGERS, 4RU	PANDUIT NCMHAEF4
	VERTICAL WIRE MANAGERS, DOUBLE SIDED, BLACK	CHATSWORTH 40096-703
	EQUIPMENT RACK, 7' x 19", 45RU, BLACK	CHATSWORTH 55053-703
	CABLE RUNWAY - 24", BLACK WITH ALL REQUIRED MOUNTING ACCESSORIES	CHATSWORTH 10250-724
	CABLE RUNWAY - 18", BLACK WITH ALL REQUIRED MOUNTING ACCESSORIES	CHATSWORTH 10250-718
	BUTT SPLICE KIT, BLACK	CHATSWORTH 11301-701
	JUNCTION SPLICE KIT, BLACK	CHATSWORTH 11302-701
	FOOT KIT, BLACK	CHATSWORTH 11309-701
	6" CHANNEL RACK TO RUNWAY, BLACK	CHATSWORTH 12409-724
	TRIANGLE BRACKETS, BLACK	CHATSWORTH 11746-724
	END CLOSING KIT, CABLE RUNWAY, BLACK	CHATSWORTH 11700-724
	WALL ANGLE SUPPORT KIT, CABLE RUNWAY, BLACK	CHATSWORTH 11421-724
	CABLE RUNWAY ELEVATION KIT, 6"	CHATSWORTH 10506-706
	CABLE RUNWAY RADIUS DROP	CHATSWORTH 12100-712
	STATION PATCH CABLE, CAT 6A SHIELDED, BLUE, 5'	SIEMON ZM6A-S0506
	STATION PATCH CABLE, CAT 6A SHIELDED, BLUE, 7'	SIEMON ZM6A-S0706
	STATION PATCH CABLE, CAT 6A SHIELDED, BLUE, 10'	SIEMON ZM6A-S1006
	STATION PATCH CABLE, CAT 5E, BLUE, 5'	SIEMON MC5-ST-05-B06C
	STATION PATCH CABLE, CAT 5E, BLUE, 7'	SIEMON MC5-ST-07-B06C
	STATION PATCH CABLE, CAT 5E, BLUE, 10'	SIEMON MC5-ST-10-B06C
	PATCH CABLE, FIBER, SINGLEMODE DUPLEX W/ LC CONNECTORS, YELLOW, 3 METER	J2-LCLCP-03
	PATCH CABLE, FIBER, SINGLEMODE DUPLEX W/ LC CONNECTORS, YELLOW, 5 METER	J2-LCLCP-05
	PLYWOOD BACKBOARD, 4" X 8", GRADE AC, FIRE TREATED & PAINTED	
	TELECOMMUNICATIONS MAIN GROUNDING BUS BAR	
	TELECOMMUNICATIONS GROUNDING BUS BAR	

NOTE: ALL RACKS, LADDER, PATCH PANELS AND ACCESSORIES SHALL BE BLACK IN COLOR.

#### CABLE/OUTLET COLOR SCHEDULE

COLOR	TYPE
BLACK	TV COAX
BLUE	ANALOG PHONE
BLUE	DATA
BLUE	IP SECURITY CAMERAS
GREY	SECURITY CARD READERS
ORANGE	CLINICAL ENGINEERING / NURSE CALL
RED	FIRE SYSTEMS
RED	FORESEER
WHITE	PUBLIC ADDRESS
YELLOW	WIRELESS
GREEN	VENDOR NETWORK

#### System Responsibility Matrix

	Designed By	Furnished By	Installed By	Notes
Telecomm				
Raceways, Conduit/Cable Tray/J-Hooks	Design Team	Contractor	Contractor	Boxes, Raceways, Cabletray, ect.
Backbone Fiber	Design Team	Contractor	Contractor	Qualified Contractors: IES, CVE, Data Tech Professionals
Fiber Termination Shelves (FPP1, FPP2)	Design Team	Contractor	Contractor	Qualified Contractors: IES, CVE, Data Tech Professionals
Copper Backbone Cabling	Design Team	Contractor	Contractor	Qualified Contractors: IES, CVE, Data Tech Professionals
Riser Patch Panels (RPP1)	Design Team	Contractor	Contractor	Qualified Contractors: IES, CVE, Data Tech Professionals
Fuse Protection for Backbone Cabling	Design Team	Contractor	Contractor	Qualified Contractors: IES, CVE, Data Tech Professionals
Cat 6A Horizontal Cable	Design Team	Contractor	Contractor	Qualified Contractors: IES, CVE, Data Tech Professionals
Patch Panels/Inserts SPP, WPP	Design Team	Contractor	Contractor	Qualified Contractors: IES, CVE, Data Tech Professionals
Horizontal Wire Manager (1RU, 2RU)	Design Team	Contractor	Contractor	Qualified Contractors: IES, CVE, Data Tech Professionals
Vertical Wire Manager	Design Team	Contractor	Contractor	Qualified Contractors: IES, CVE, Data Tech Professionals
RJ45 Inserts, Faceplates, Surface Mount Boxes	Design Team	Contractor	Contractor	Faceplate color to be coordinated with architect and owner.
Fiber optic, Cat 6 and Cat 6A Patch Cords	Owner	Owner	Owner	Patch cord quantities and lengths to be identified by owner.
Building MDF/IDF Racks	Design Team	Contractor	Contractor	Qualified Contractors: IES, CVE, Data Tech Professionals
Building MDF/IDF Ladder Rack	Design Team	Contractor	Contractor	Qualified Contractors: IES, CVE, Data Tech Professionals
Active Network Electronics	Owner	Owner	Contractor	Wireless AP's, L2/L3 network switches, etc.
UPS/PDU	Owner	Owner	Owner	Boe Sausedo

## ABBREVIATIONS

NOTE: ALL ABBREVIATIONS MAY NOT BE USED.

A	AUGMENTED
CAT	CATEGORY
E	ENHANCED
EA	EACH
ER	EQUIPMENT ROOM
FPP	FIBER PATCH PANEL
GIG	GIGA HERTZ
HWM	HORIZONTAL WIRE MANAGEMENT
NIC	NOT IN CONTRACT
OE	OWNER ELECTRONICS
PNM	PLENUM
PR	PAIR
PS	POWER SUPPLY
RPP	RISER PATCH PANEL
SPP	STATION PATCH PANEL
TR	TELECOMMUNICATIONS DISTRIBUTION ROOM
TYP	TYPICAL
VWM	VERTICAL WIRE MANAGEMENT

## DEFINITIONS

NOTE: ALL DEFINITIONS MAY NOT BE USED.

INDICATED: THE TERM "INDICATED" REFERS TO GRAPHIC REPRESENTATIONS, NOTES, OR SCHEDULES ON THE DRAWINGS, OTHER PARAGRAPHS OR SCHEDULES IN THE SPECIFICATIONS, AND SIMILAR REQUIREMENTS IN THE CONTRACT DOCUMENTS. WHERE TERMS SUCH AS "SHOWN", "NOTED", "SCHEDULED", AND "SPECIFIED" ARE USED, IT IS TO HELP THE READER LOCATE THE REFERENCE, NO LIMITATION ON LOCATION IS INTENDED.

DIRECTED: TERMS SUCH AS "DIRECTED", "REQUESTED", "AUTHORIZED", "SELECTED", "APPROVED", "REQUIRED", AND "PERMITTED" MEAN "DIRECTED BY THE ENGINEER", "REQUESTED BY THE ENGINEER", AND SIMILAR PHRASES.

APPROVE: THE TERM "APPROVED", WHERE USED IN CONJUNCTION WITH THE ENGINEER'S ACTION ON THE CONTRACTOR'S SUBMITTALS, APPLICATIONS, AND REQUESTS, IS LIMITED TO THE ENGINEER'S DUTIES AND RESPONSIBILITIES AS STATED IN GENERAL AND SUPPLEMENTARY CONDITIONS.

FURNISH: THE TERM "FURNISH" IS USED TO MEAN "SUPPLY AND DELIVER TO THE PROJECT SITE, READY FOR UNLOADING, UNPACKING, ASSEMBLY, INSTALLATION, AND SIMILAR OPERATIONS."

INSTALL: THE TERM "INSTALL" IS USED TO DESCRIBE OPERATIONS AT PROJECT SITE INCLUDING THE ACTUAL "UNLOADING, UNPACKING, ASSEMBLY, ERECTION, PLACING, ANCHORING, APPLYING, WORKING TO DIMENSION, FINISHING, CURING, PROTECTING, CLEANING, AND SIMILAR OPERATIONS."

PROVIDE: THE TERM "PROVIDE" MEANS "TO FURNISH AND INSTALL, COMPLETE AND READY FOR THE INTENDED USE."

INSTALLER: AN "INSTALLER" IS THE CONTRACTOR OR AN ENTITY ENGAGED BY THE CONTRACTOR, EITHER AS AN EMPLOYEE, SUBCONTRACTOR, OR SUB-SUBCONTRACTOR, FOR PERFORMANCE OF A PARTICULAR CONSTRUCTION ACTIVITY, INCLUDING INSTALLATION, ERECTION, APPLICATION, AND SIMILAR OPERATIONS. INSTALLERS ARE REQUIRED TO BE EXPERIENCED IN THE OPERATIONS THEY ARE ENGAGED TO PERFORM.

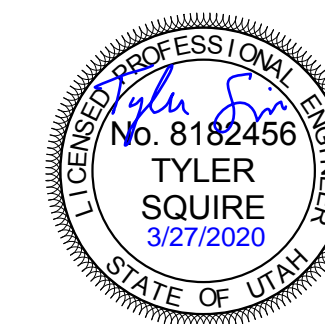
ELECTRONIC SYSTEMS: THE TERM "ELECTRONIC SYSTEMS" IS USED TO DESCRIBE ALL LOW VOLTAGE SYSTEMS GENERALLY REFERRED TO AS "SPECIAL SYSTEMS". THESE SYSTEMS INCLUDE BUT ARE NOT NECESSARILY LIMITED TO ALL SYSTEMS WHICH UTILIZE VOLTAGES OF LESS THAN 71 VOLTS SUCH AS SOUND SYSTEMS, VIDEO SYSTEMS, TV SYSTEMS, SECURITY SYSTEMS, VOICE AND DATA CABLING SYSTEMS, ETC..

## GENERAL PROJECT NOTES

- UNLESS OTHERWISE NOTED, INSTALL ALL CABLE INSIDE RACEWAY SYSTEMS. WHERE RACEWAY SYSTEMS HAVE NOT BEEN PROVIDED OR SPECIFIED, INSTALL CABLE THROUGH THE SPECIFIED "CADDY" CLIPS AT THE MINIMUM INTERVALS IDENTIFIED IN THE SPECIFICATIONS. SUPPORT "CADDY" CLIPS DIRECTLY FROM THE BUILDING STRUCTURE, NOT FROM OTHER BUILDING SYSTEM SUPPORT WIRES OR CABLE.
- PROVIDE PLENUM RATED CABLE IN ALL AIR PLENUMS. IF A PLENUM RATED CABLE IS NOT SPECIFIED, PROVIDE THE PLENUM RATED EQUIVALENT TO THE SPECIFIED CABLE.
- LABEL ALL CABLE INSTALLED UNDER THIS CONTRACT REGARDLESS OF LENGTH.
- THE EQUIPMENT LABELING IDENTIFIED ON DETAILS IN THESE DRAWINGS ARE EXAMPLES ONLY OF THE ACTUAL LABELING WHICH IS REQUIRED AS PART OF THIS CONTRACT. PRIOR TO FABRICATION, SUBMIT THE NOMENCLATURE FOR ALL LABELS TO THE OWNER FOR REVIEW. THIS REQUIREMENT INCLUDES BUT IS NOT LIMITED TO ALL CABLE LABELING, AND ALL EQUIPMENT LABELING.
- IF OUTLET IS TERMINATED IN CEILING SPACE, LABEL THE T-BAR GRID WITH THE OUTLET NUMBER FOR EASY LOCATION AND IDENTIFICATION.
- GROUND ALL EQUIPMENT RACKS INSTALLED UNDER THIS CONTRACT IN COMPLIANCE WITH THE CONTRACT DOCUMENTS.
- PROVIDE THE QUANTITY OF PATCH PANELS REQUIRED +20% FOR THE TOTAL DATA OUTLETS SHOWN ON FLOOR PLANS FOR THE PARTICULAR LEVEL.
- RACK SPACE ALLOCATION SHOULD BE FOLLOWED PER DRAWINGS. IF YOU HAVE A SYSTEM THAT HAS NO RACK SPACE ALLOCATED PLEASE CALL BOE SAUSEDO AT 801-707-3805
- ENSURE ALL BASKET TRAY AND COMMUNICATIONS CONDUITS HAVE BEEN GROUNDED TO THE TEG/TR, USING A MINIMUM #6 CU.
- CONTRACTOR TO LOOSELY BUNDLE ALL CABLES TOGETHER BY FLOOR OR ORIGINATION.
- FOR EVERY CABLE PULL SPECIFIED, COIL 15' OF EXCESS CABLE AT THE STATION END FOR FUTURE USE AND 3'-0" OF EXCESS CABLE AT THE TDR END. NEATLY COIL AND SECURE CABLE ABOVE THE CEILING OR BELOW FLOOR WHERE APPLICABLE.
- COORDINATE WITH ALL SUBS TO ENSURE THAT ALL CABLES ARE PROTECTED FROM ANY DIRECT PAINT OR INCIDENTAL OVERSPRAY.

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AUTHORITY HAVING JURISDICTION

PROJECT DESCRIPTION

INTERMOUNTAIN  
HEALTHCARE KEY BANK  
TOWER LEVEL 09

36 S STATE STREET  
SALT LAKE CITY, UT 84111

SHEET NAME:

TELECOM SCHEDULES  
AND NOTES

REVISIONS

MARK	DATE	DESCRIPTION

ISSUE DATE: 03/27/2020  
ISSUE TYPE: CD SET  
DRAWN BY: SJT  
CHECKED BY: JDA  
PROJECT#: 1953

SHEET NUMBER:

ET001



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- ### SHEET KEYNOTES
- 1 ET - TELECOMMUNICATIONS
  - 2 COORDINATE EXACT TERMINATION LOCATION OF DATA DEVICE IN OPEN CEILING WITH MECHANICAL INSTALLER.
  - 3 EXISTING CONDUIT AND JUNCTION BOX FOR COPPER AND FIBER CABLE. PRESERVE AND PROTECT DURING DEMOLITION AND CONSTRUCTION.
  - 4 EXISTING 1 EA., 2" CND WITH FIBER TO DEMARC IN BASEMENT. PRESERVE AND PROTECT DURING DEMOLITION.
  - 5 EXISTING BUILDING RISER WITH COPPER AND FIBER. PRESERVE AND PROTECT DURING DEMOLITION AND CONSTRUCTION.
  - 6 EXISTING BUILDING BACKBONE COPPER AND FIBER. PRESERVE AND PROTECT DURING DEMOLITION AND CONSTRUCTION.
  - 7 EXISTING CONDUIT DOWN TO LEVEL 8 BELOW.

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AUTHORITY HAVING JURISDICTION

PROJECT DESCRIPTION  
**INTERMOUNTAIN HEALTHCARE KEY BANK TOWER LEVEL 09**

36 S STATE STREET  
 SALT LAKE CITY, UT 84111

SHEET NAME:  
**LEVEL 09 TELECOM PLAN**

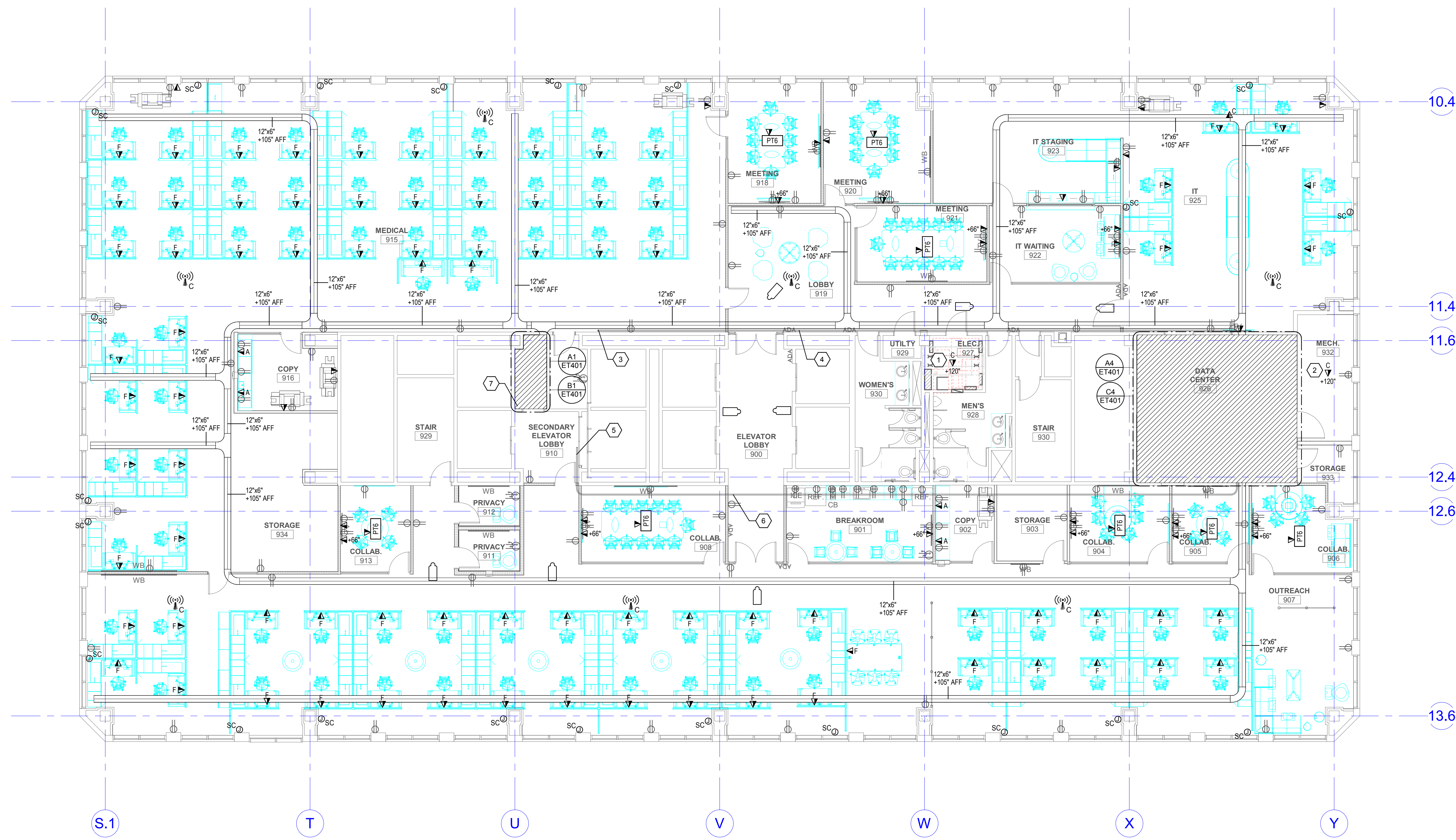
REVISIONS

MARK	DATE	DESCRIPTION

ISSUE DATE: **03/27/2020**  
 ISSUE TYPE: **CD SET**  
 DRAWN BY: **SJT**  
 CHECKED BY: **JDA**  
 PROJECT#: **1953**

SHEET NUMBER:

**ET109**



**A1 LEVEL 09 TELECOM PLAN**  
 SCALE: 1/8" = 1'-0"

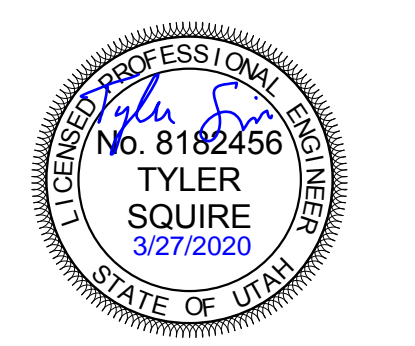
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**SHEET KEYNOTES**

- MOVE FORESEER EQUIPMENT INTO EXISTING "ROW 2" CABINETS. CABINETS IN "ROW A" WILL GET INSTALLED IN PHASE 1. FIBER WILL NEED TO BE MOVED FROM EXISTING "ROW 2" INTO "ROW A" CABINET A-3. THIS IS A 144 STRAND TO WTC, FLOORS 8, 9, 10, 11, 16, 17, 18, 19, 20, 21, AND 24 AS WELL AS (2) 12 STRAND FIBERS DOWN TO THE DMARC.
- ROW B CABINETS WILL BE INSTALLED IN PHASE 2.
- EXISTING WALL FIELD NEEDS TO BE PRESERVED AND PROTECTED DURING DEMOLITION AND CONSTRUCTION.

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PROJECT DESCRIPTION  
**INTERMOUNTAIN HEALTHCARE KEY BANK TOWER LEVEL 09**

36 S STATE STREET  
 SALT LAKE CITY, UT 84111

SHEET NAME:  
**ENLARGED TELECOM PLANS**

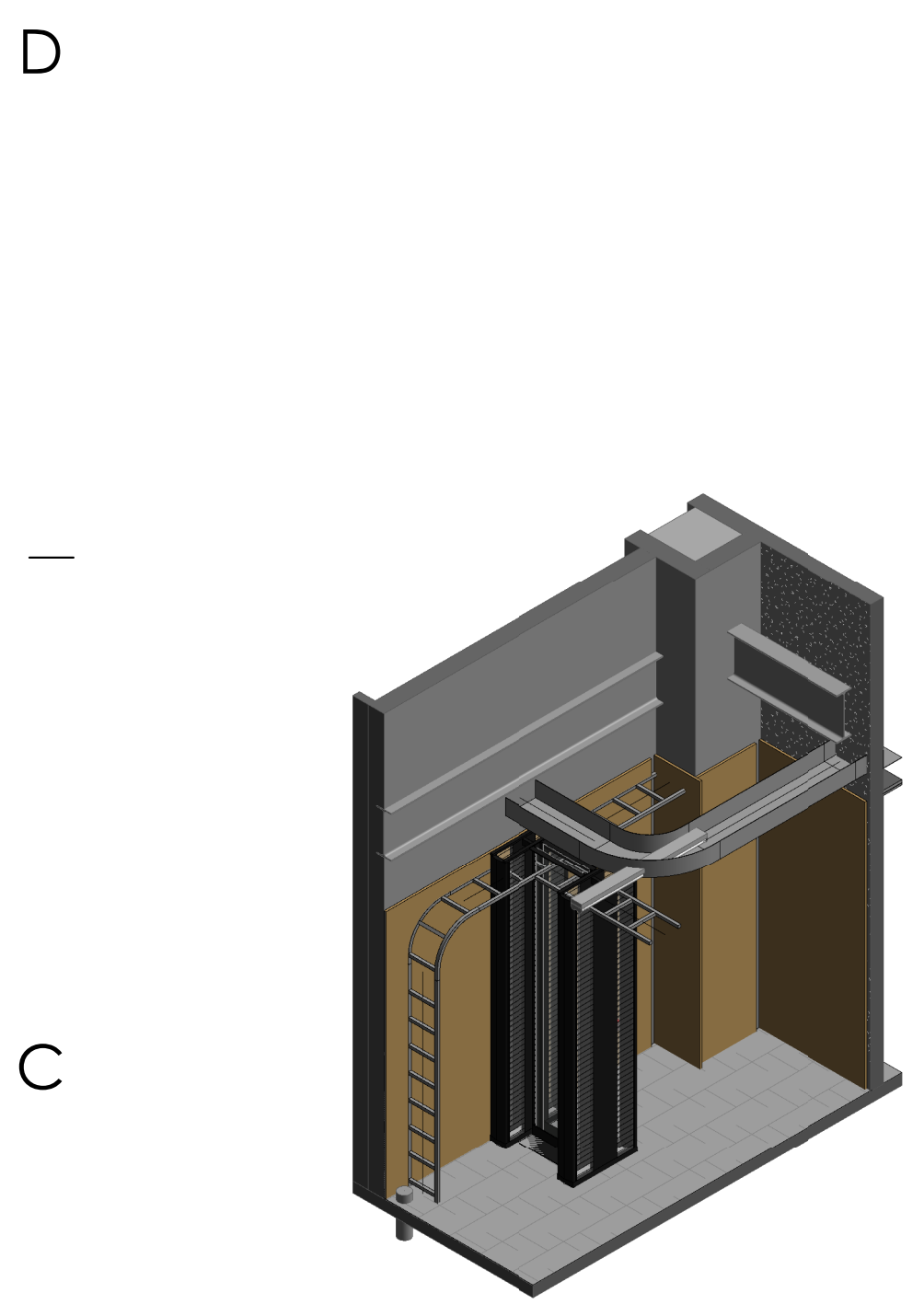
REVISIONS

MARK	DATE	DESCRIPTION

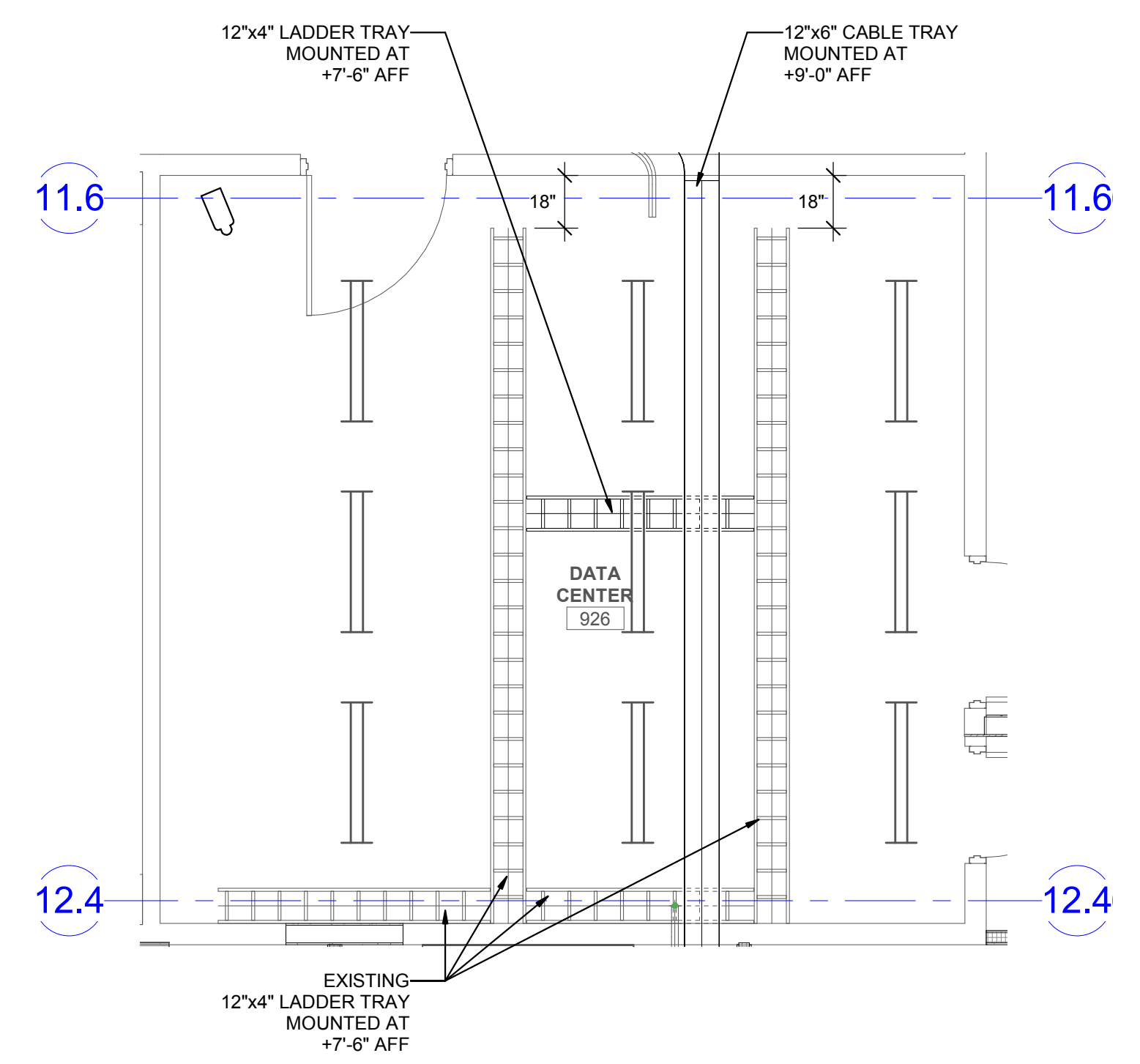
ISSUE DATE: **03/27/2020**  
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 DRAWN BY: **SJT**  
 CHECKED BY: **JDA**  
 PROJECT#: **1953**

SHEET NUMBER:

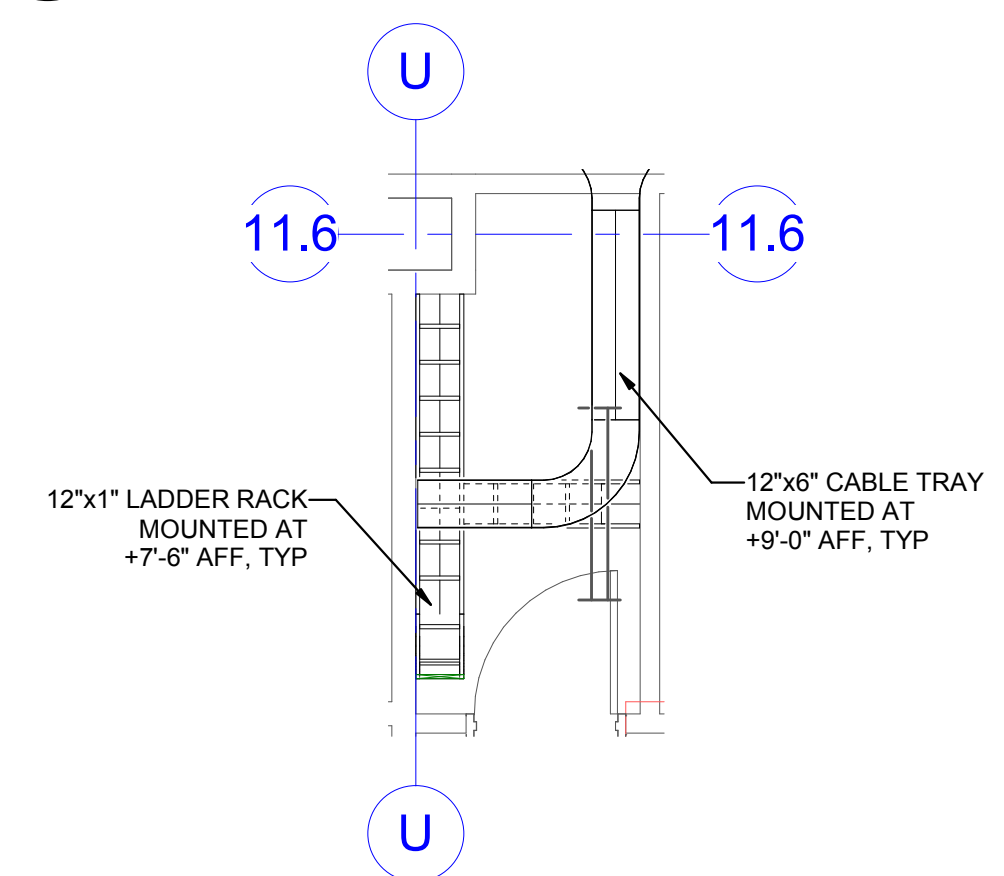
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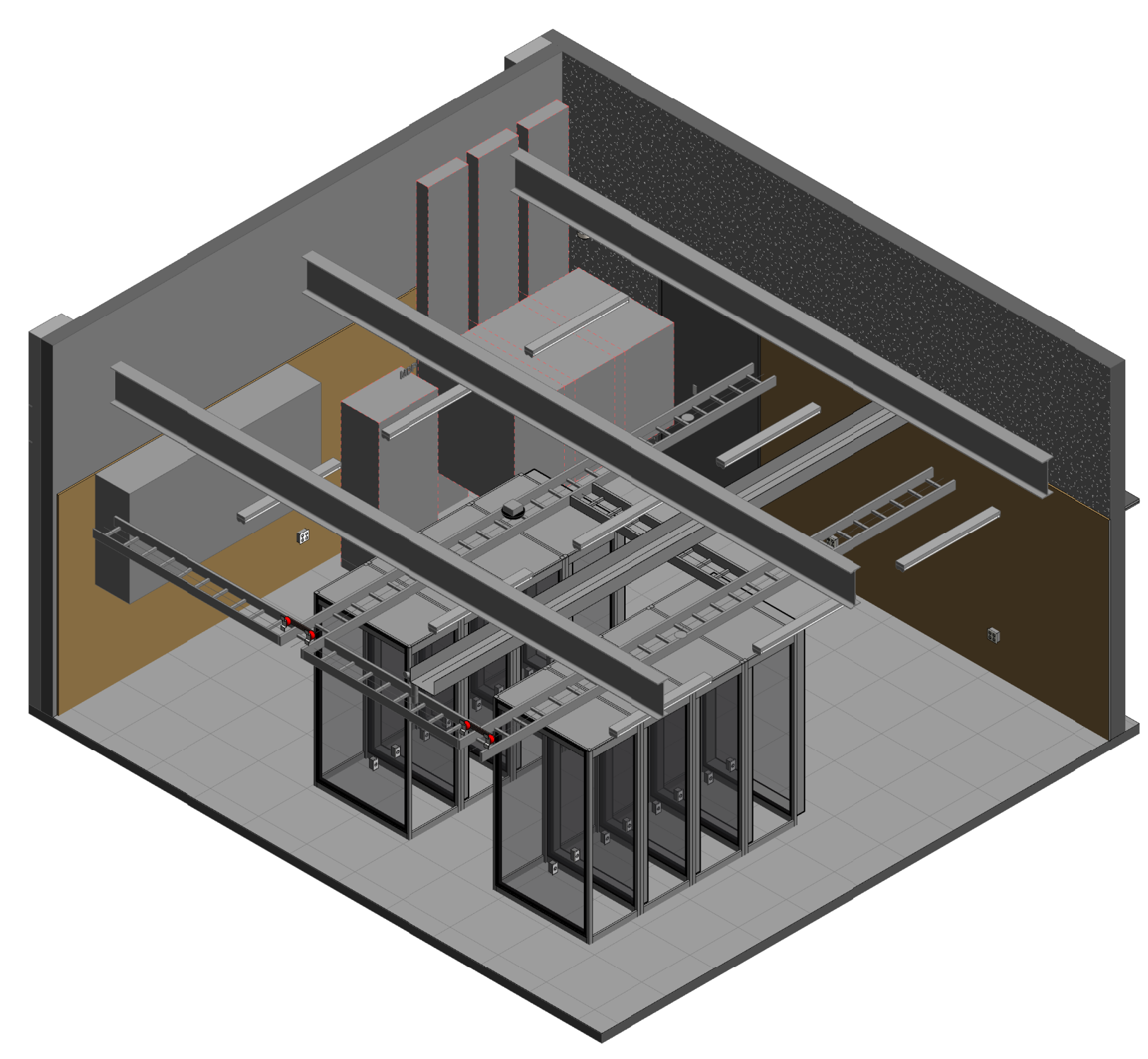
**C1 ENLARGED DATA ROOM 917 ISOMETRIC PLAN**  
 SCALE:



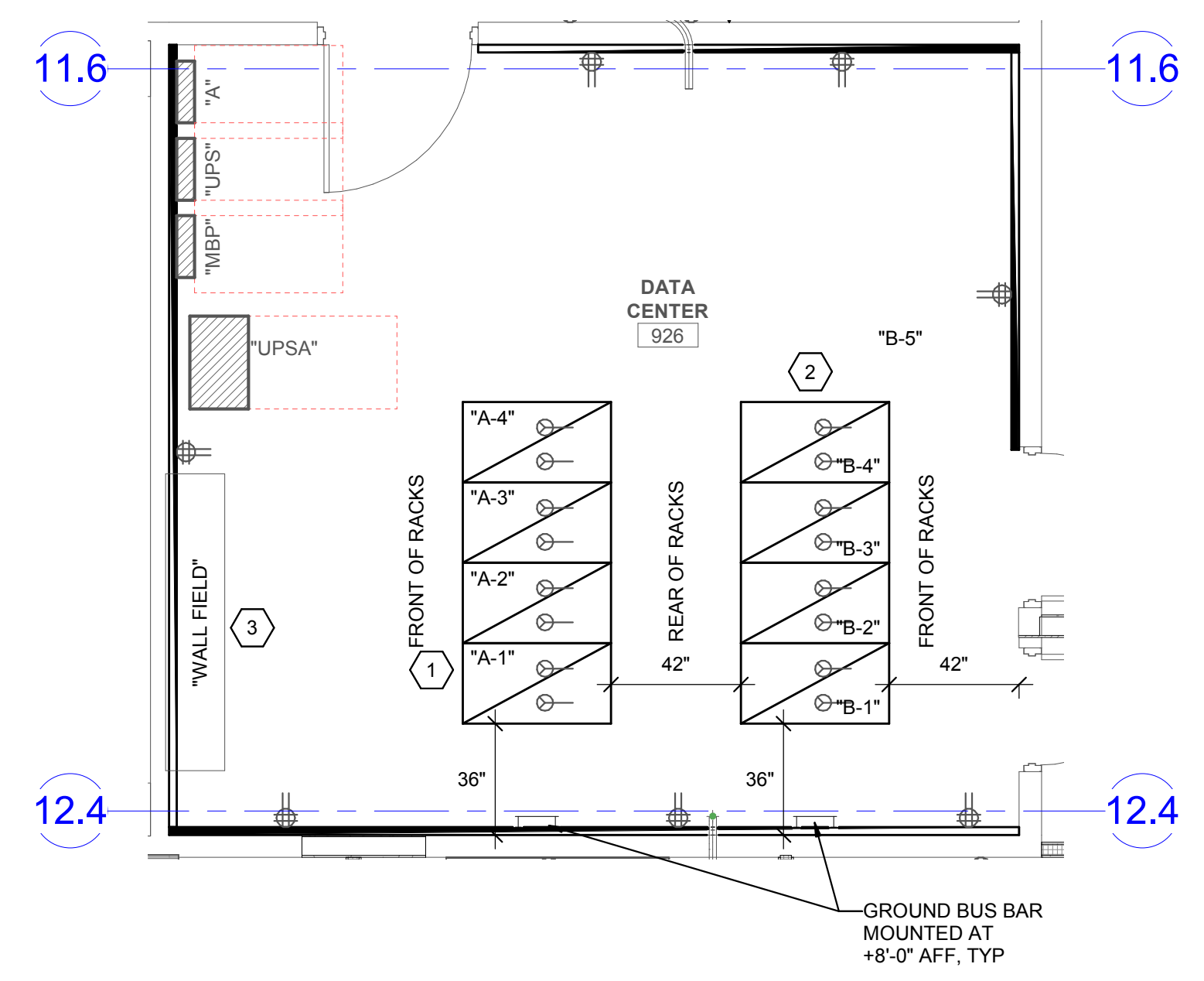
**C4 ENLARGED DATA CENTER 926 LADDER RACK PLAN**  
 SCALE: 1/4" = 1'-0"



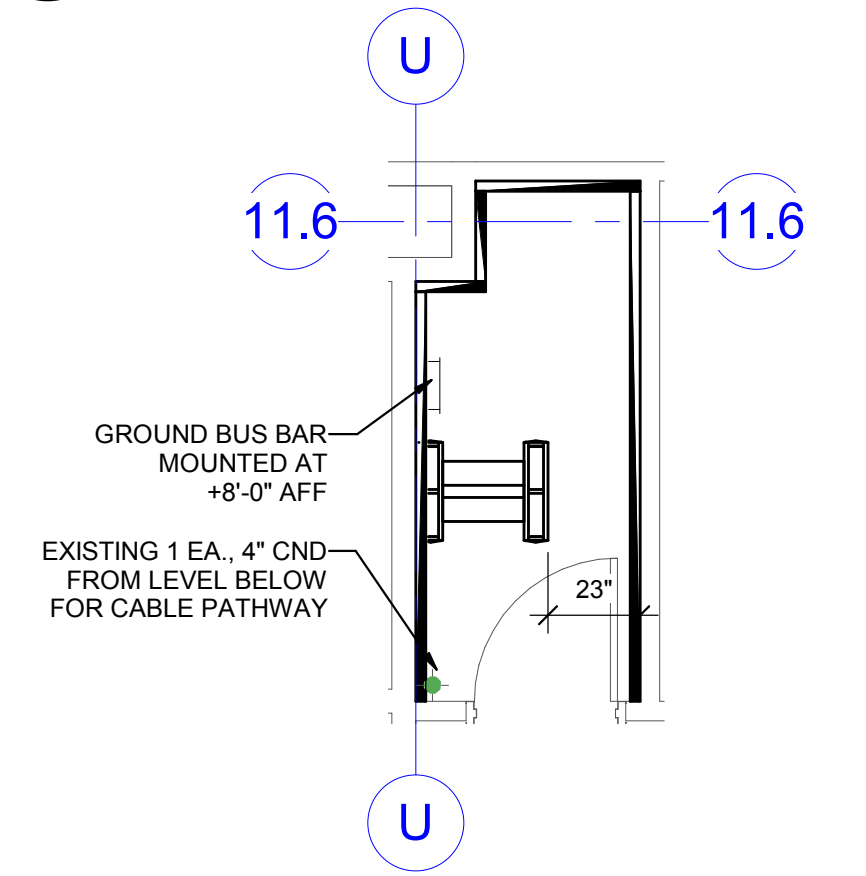
**B1 ENLARGED DATA ROOM 917 LADDER RACK PLAN**  
 SCALE: 1/4" = 1'-0"



**A2 ENLARGED DATA CENTER 926 ISOMETRIC PLAN**  
 SCALE:

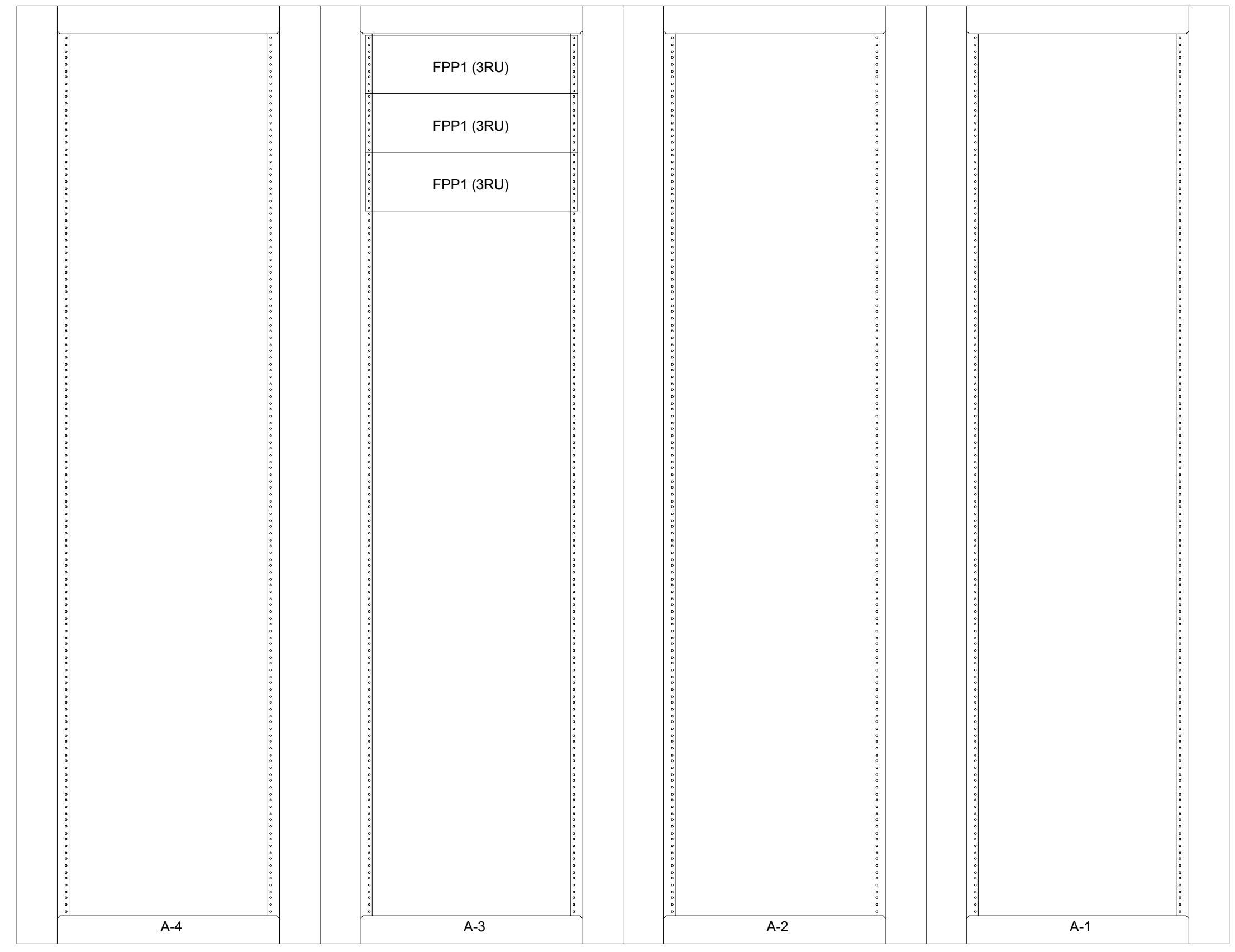
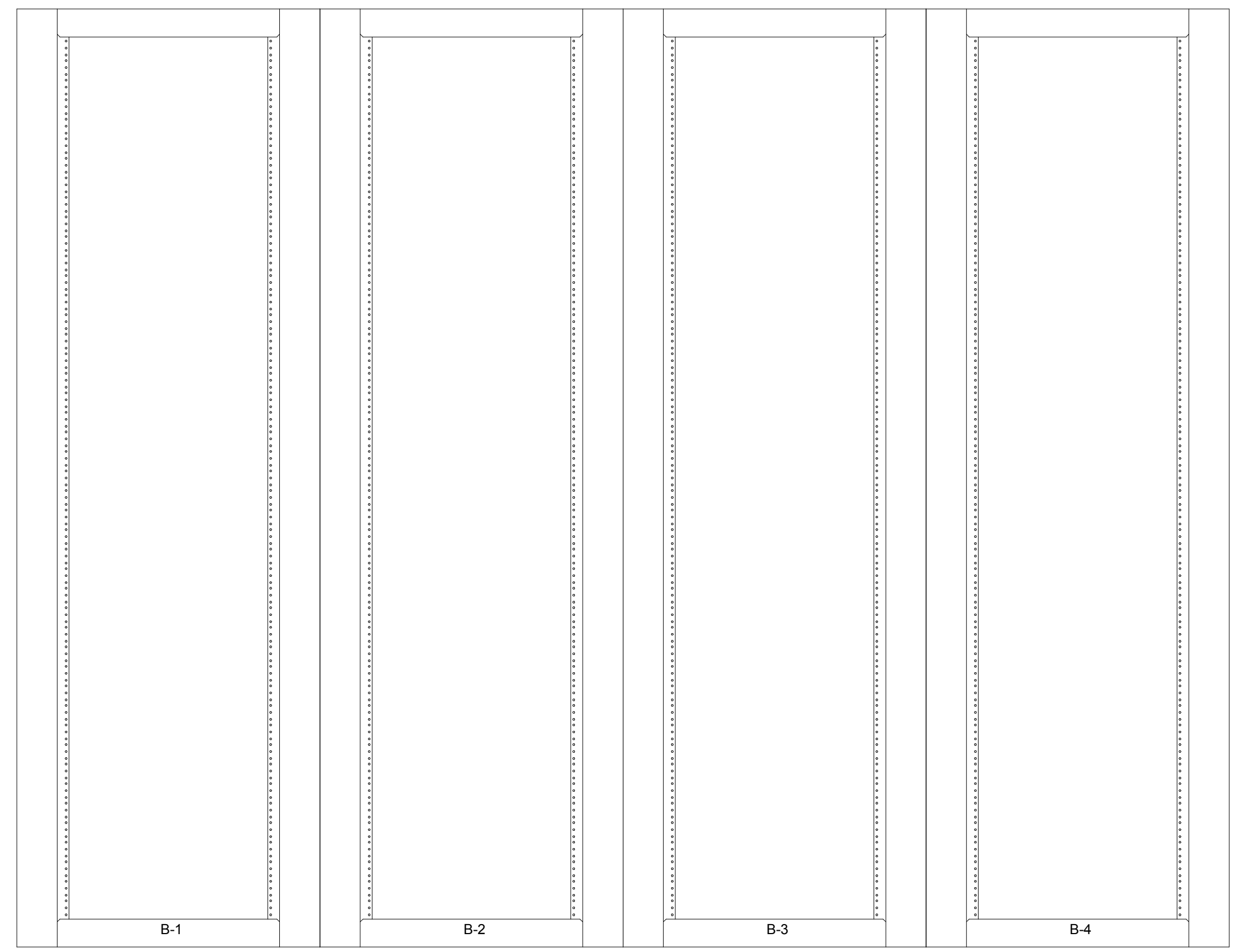


**A4 ENLARGED DATA CENTER 926 EQUIPMENT RACK PLAN**  
 SCALE: 1/4" = 1'-0"

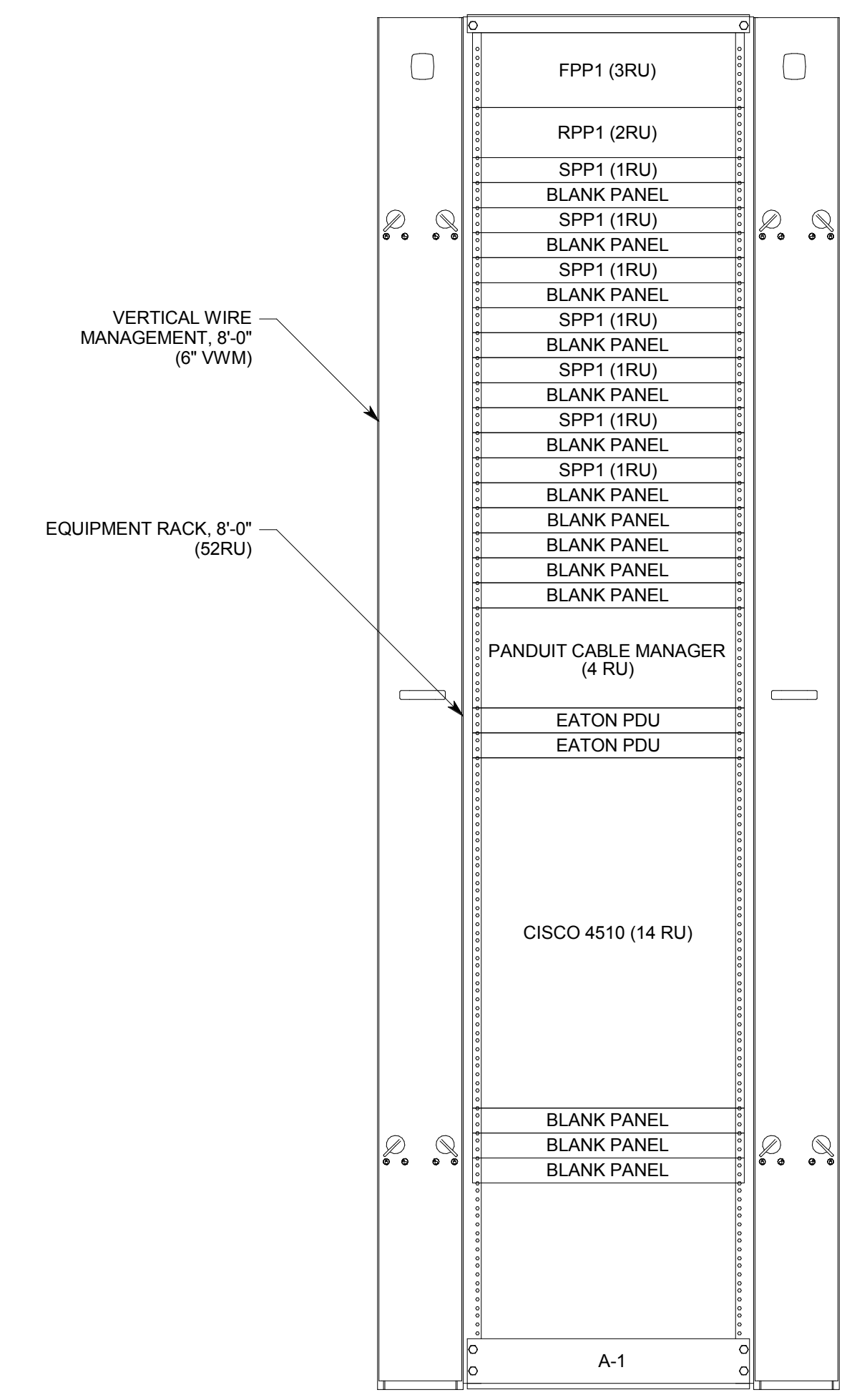


**A1 ENLARGED DATA ROOM 917 EQUIPMENT RACK PLAN**  
 SCALE: 1/4" = 1'-0"

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DATA DEVICE DROP SCHEDULE - DATA ROOM 917				
DATA DEVICE TYPE	DETAIL LOCATION	COMM ROOM LOCATION	TOTAL BY FLOOR	# OF DROPS
LEVEL 09				
CEILING DATA (2-DROP)	SEE DETAIL C4/E1502	DATA ROOM 917	3	6
CEILING DATA - CAMERA (1-DROP)	SEE DETAIL B4/E1502	DATA ROOM 917	9	9
CEILING WIRELESS ACCESS POINT (2-DROP)	SEE DETAIL C5/E1502	DATA ROOM 917	7	14
FLOOR DATA (2-DROP)	SEE DETAIL A5/E1502	DATA ROOM 917	8	16
FURNITURE DATA (2-DROP)	SEE DETAIL A4/E1502	DATA ROOM 917	81	162
WALL DATA (2-DROP)	SEE DETAIL A5/E1502	DATA ROOM 917	30	60
WALL DATA - ABOVE COUNTER (2-DROP)	SEE DETAIL A5/E1502	DATA ROOM 917	4	8
Grand total			142	275

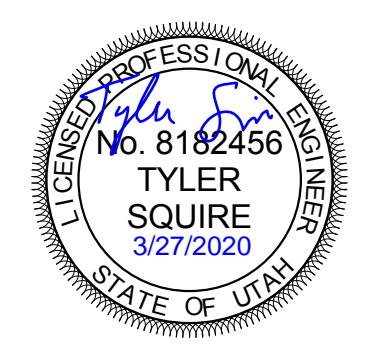


**A1** TELECOM RACK ELEVATION DETAIL, LEVEL 9, DATA CENTER 926  
NO SCALE

**A4** TELECOM RACK ELEVATION DETAIL, LEVEL 9, DATA ROOM 917  
NO SCALE

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PROJECT DESCRIPTION  
 INTERMOUNTAIN  
 HEALTHCARE KEY BANK  
 TOWER LEVEL 09

36 S STATE STREET  
 SALT LAKE CITY, UT 84111

SHEET NAME:  
 TELECOM EQUIPMENT  
 RACK ELEVATIONS

REVISIONS  
 MARK DATE DESCRIPTION

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 CHECKED BY: JDA  
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SHEET NUMBER:

**ET501**

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D

C

B

A

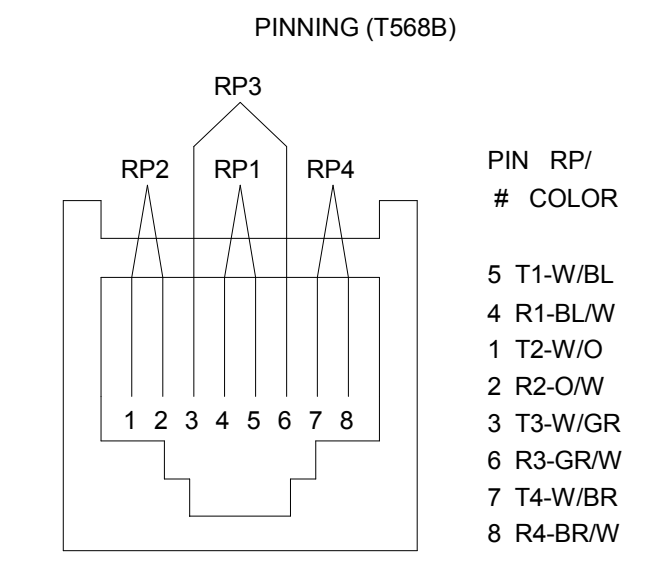
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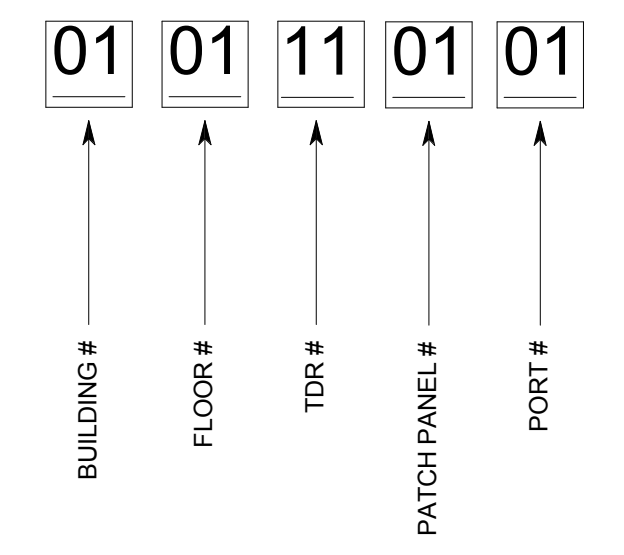
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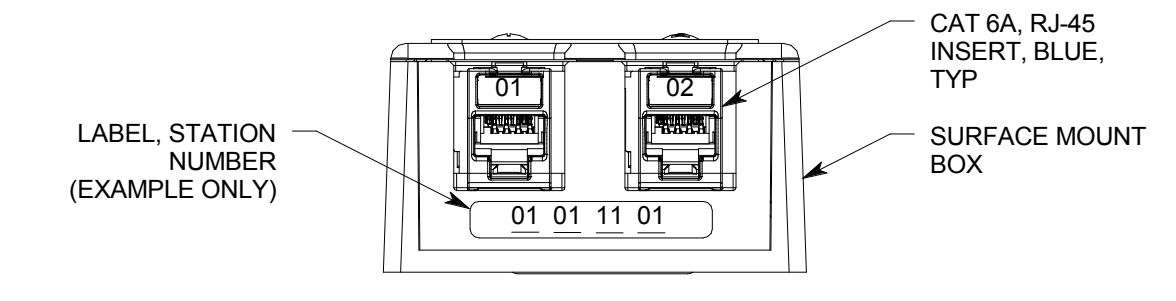
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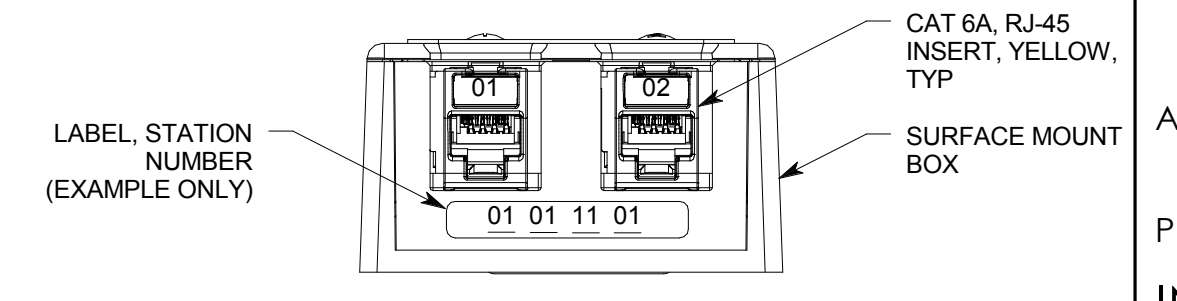
**D4** TYPICAL VOICE-DATA OUTLET PINNING DETAIL  
NO SCALE



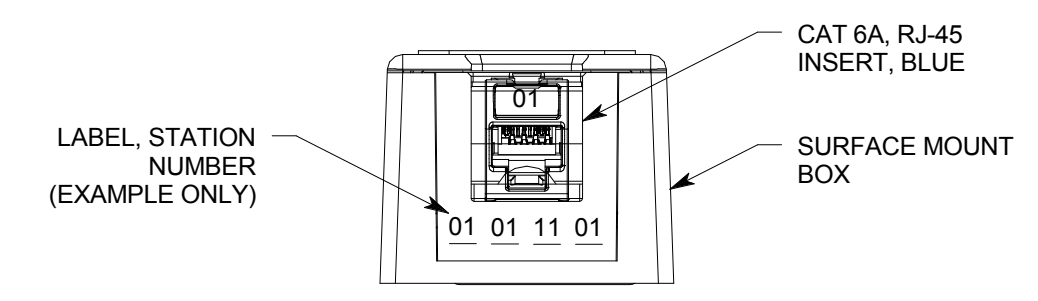
**D5** CABLE ID EXAMPLE DETAIL  
NO SCALE



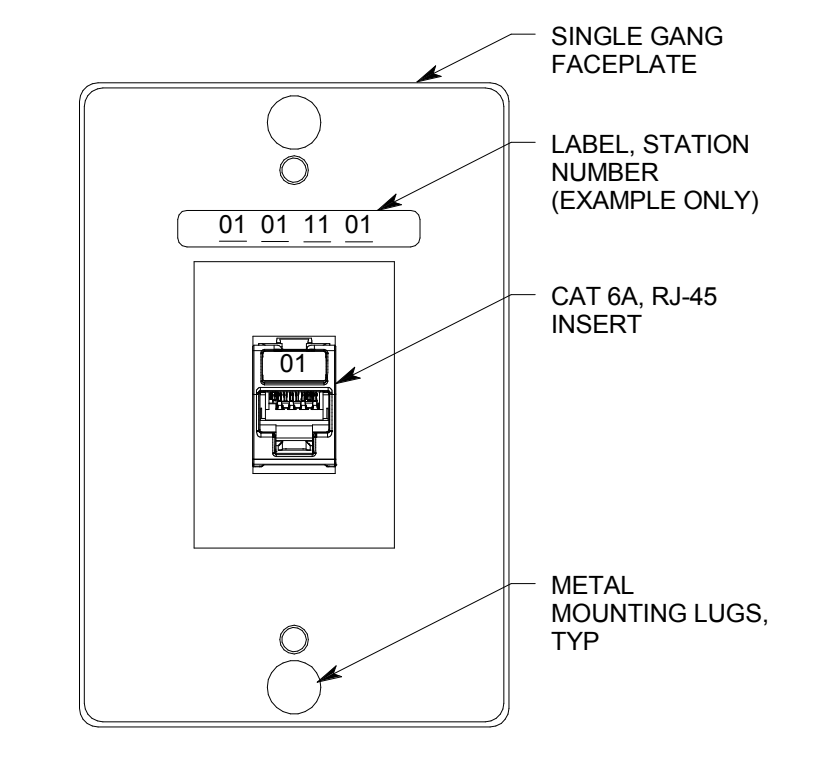
**C4** TYPICAL 2-PORT DATA OUTLET  
NO SCALE



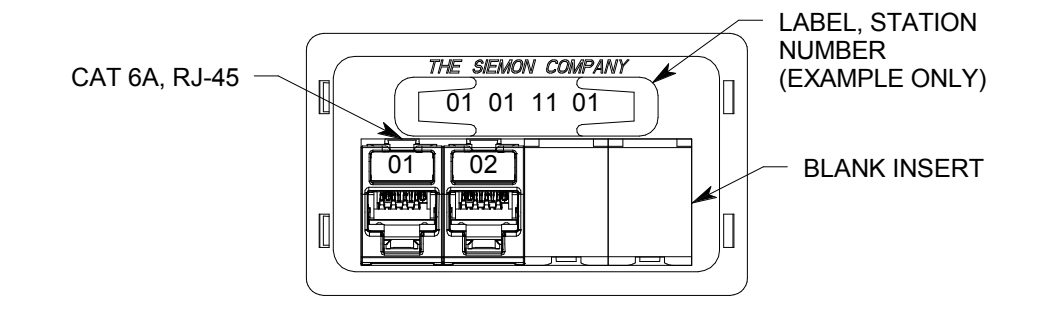
**C5** TYPICAL 'WAP' DATA OUTLET  
NO SCALE



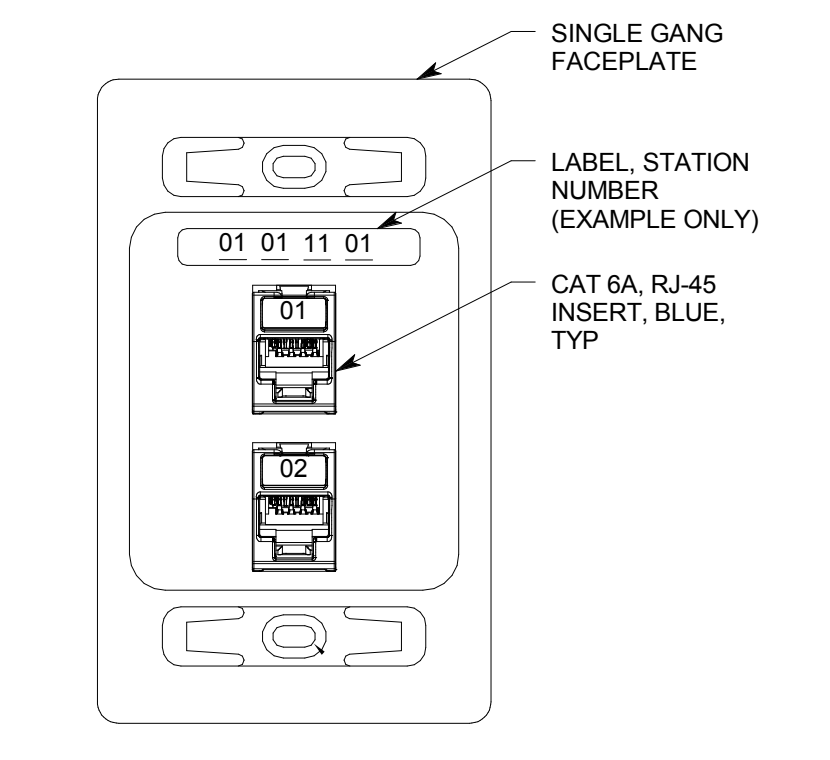
**B4** TYPICAL 1-PORT CAMERA DATA OUTLET  
NO SCALE



**B5** TYPICAL WALL PHONE OUTLET  
NO SCALE

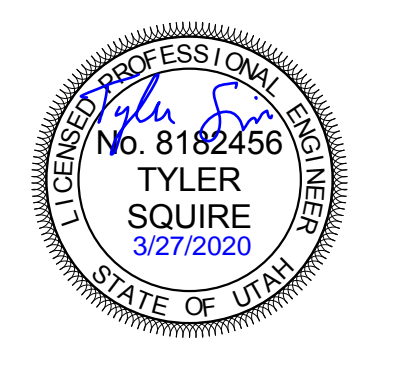


**A4** TYPICAL 2-PORT FURN DATA OUTLET  
NO SCALE



**A5** TYPICAL 2-PORT DATA OUTLET  
NO SCALE

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AUTHORITY HAVING JURISDICTION

PROJECT DESCRIPTION  
**INTERMOUNTAIN HEALTHCARE KEY BANK TOWER LEVEL 09**

**36 S STATE STREET  
 SALT LAKE CITY, UT 84111**

SHEET NAME:  
**TELECOM DETAILS**

REVISIONS  
 MARK DATE DESCRIPTION

ISSUE DATE: **03/27/2020**  
 ISSUE TYPE: **CD SET**  
 DRAWN BY: **SJT**  
 CHECKED BY: **JDA**  
 PROJECT#: **1953**

SHEET NUMBER:

**ET502**

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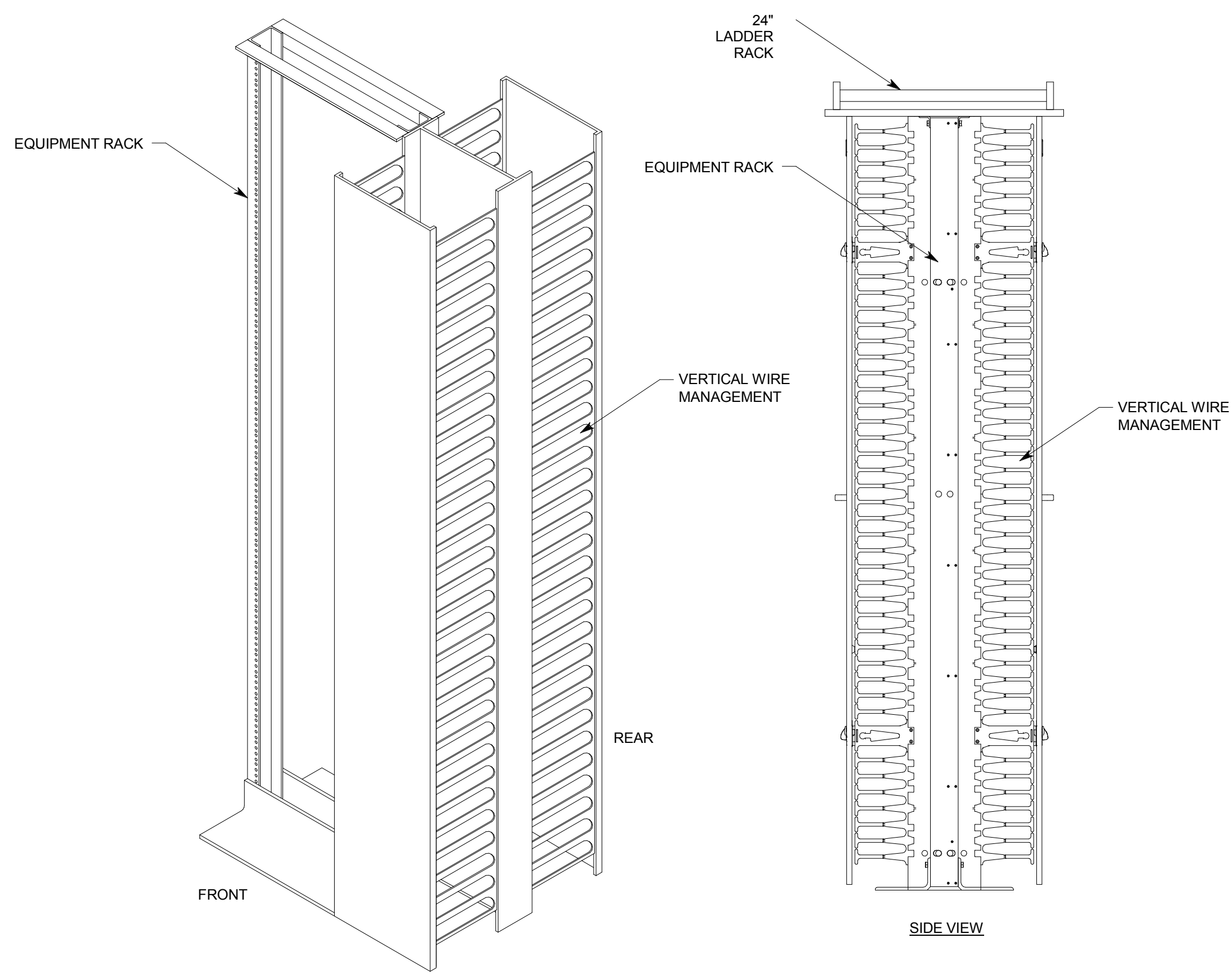
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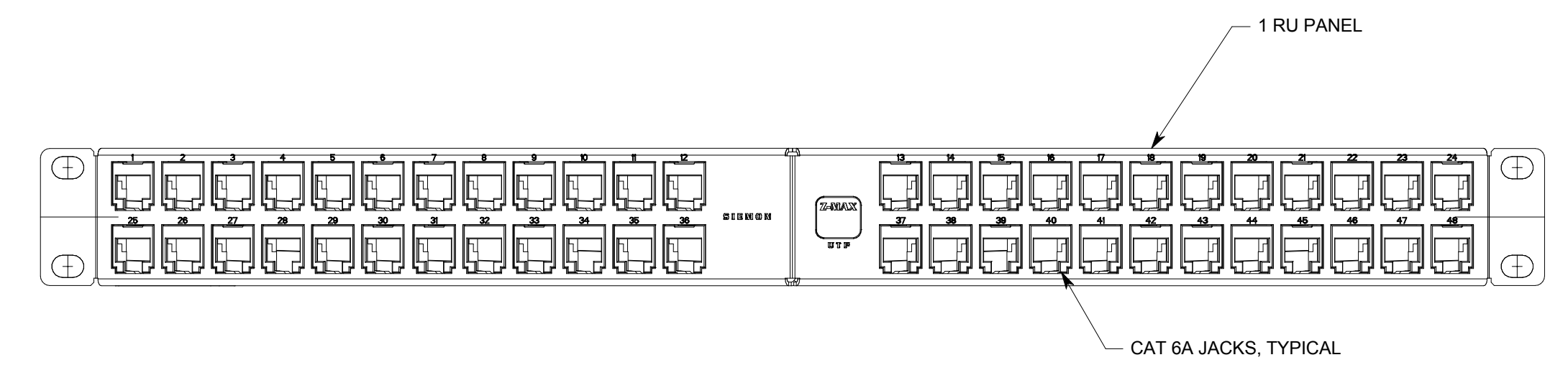
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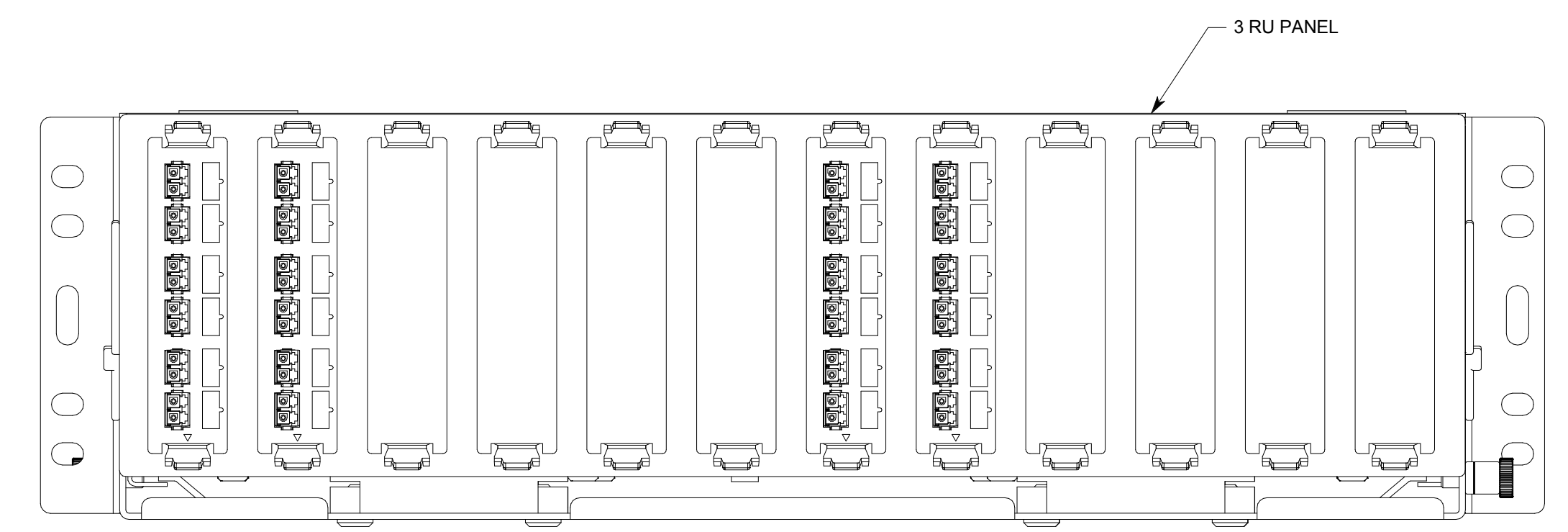
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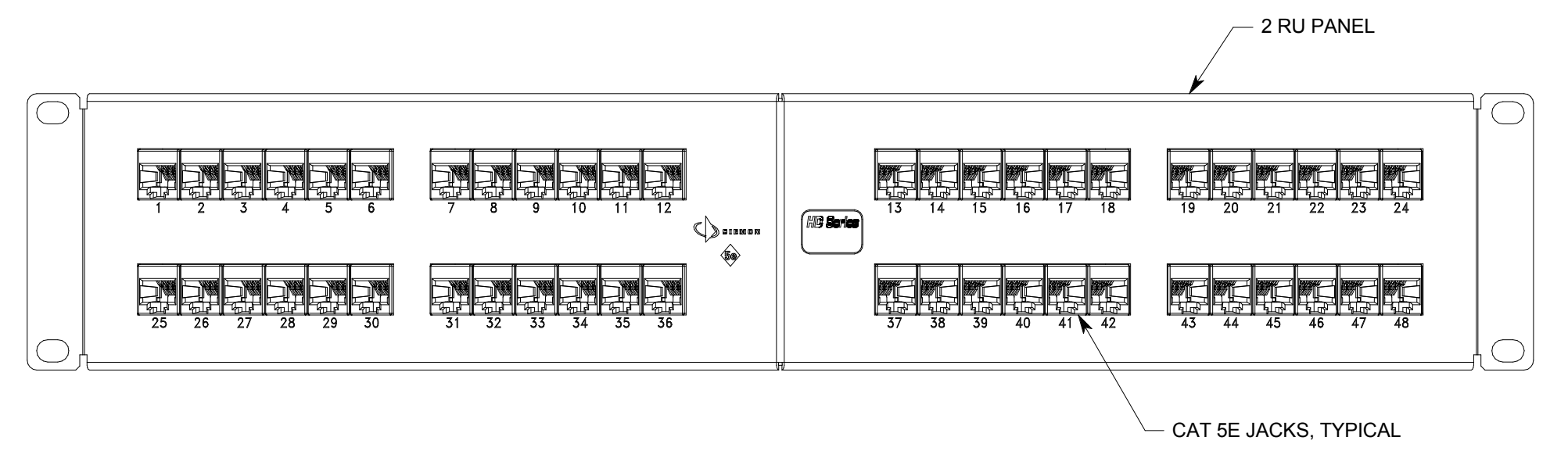
**A2** EQUIPMENT RACK/RACEWAY MOUNTING  
NO SCALE



**C4** STATION PATCH PANEL, (SPP1), TDR  
NO SCALE



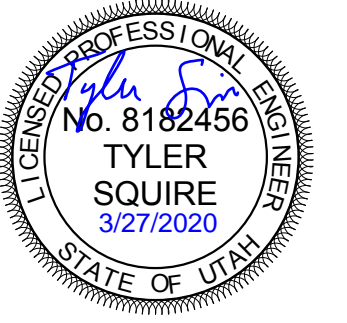
**B4** FIBER PATCH PANEL, (FPP1), TDR  
NO SCALE



**A4** RISER PATCH PANEL, (RPP1), TDR, TEC/TSER  
NO SCALE

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 fax: 801-328-5155  
 www.spectrum-engineers.com

AUTHORITY HAVING JURISDICTION

PROJECT DESCRIPTION  
**INTERMOUNTAIN HEALTHCARE KEY BANK TOWER LEVEL 09**

**36 S STATE STREET  
 SALT LAKE CITY, UT 84111**

SHEET NAME:  
**TELECOM DETAILS**

REVISIONS

MARK	DATE	DESCRIPTION

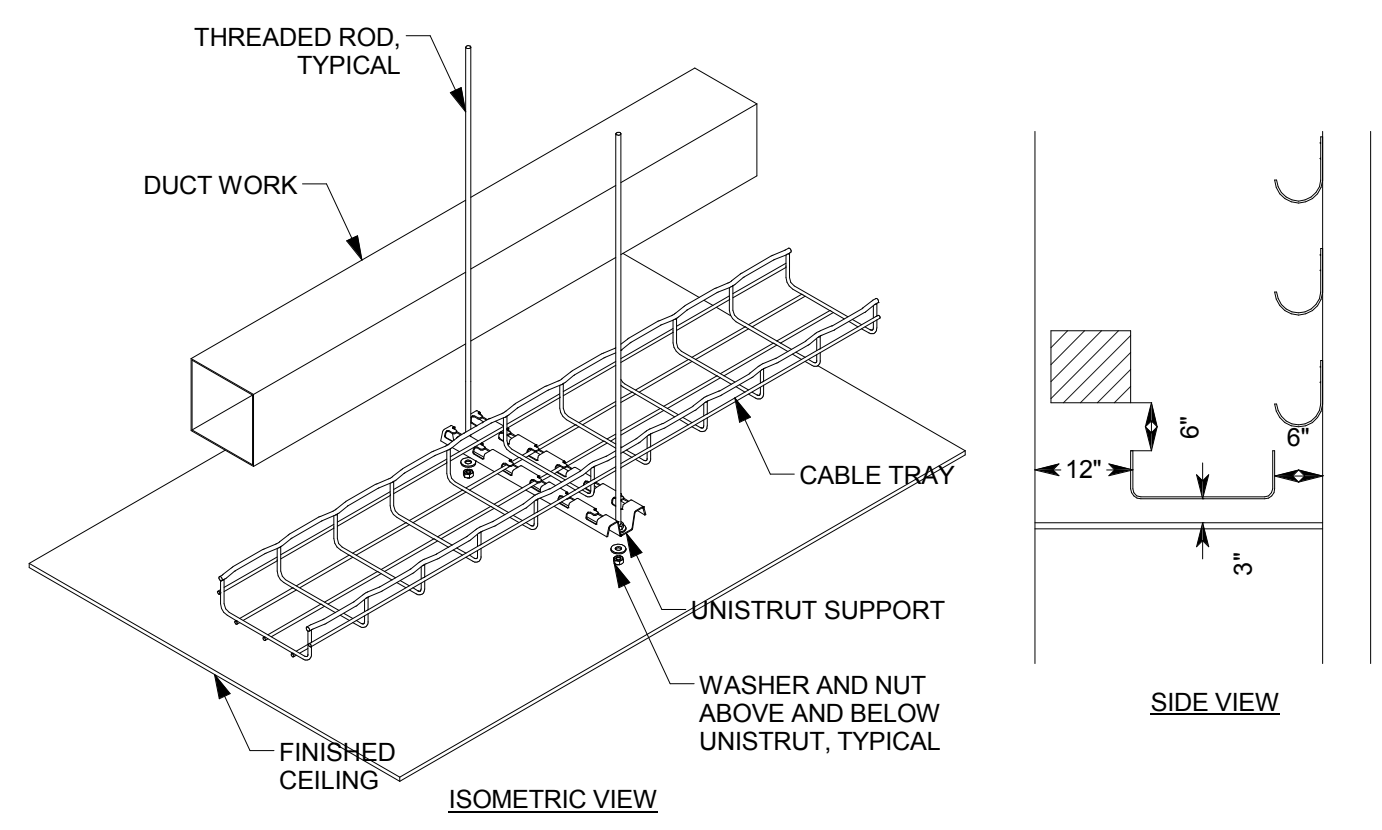
ISSUE DATE: **03/27/2020**  
 ISSUE TYPE: **CD SET**  
 DRAWN BY: **SJT**  
 CHECKED BY: **JDA**  
 PROJECT#: **1953**

SHEET NUMBER:

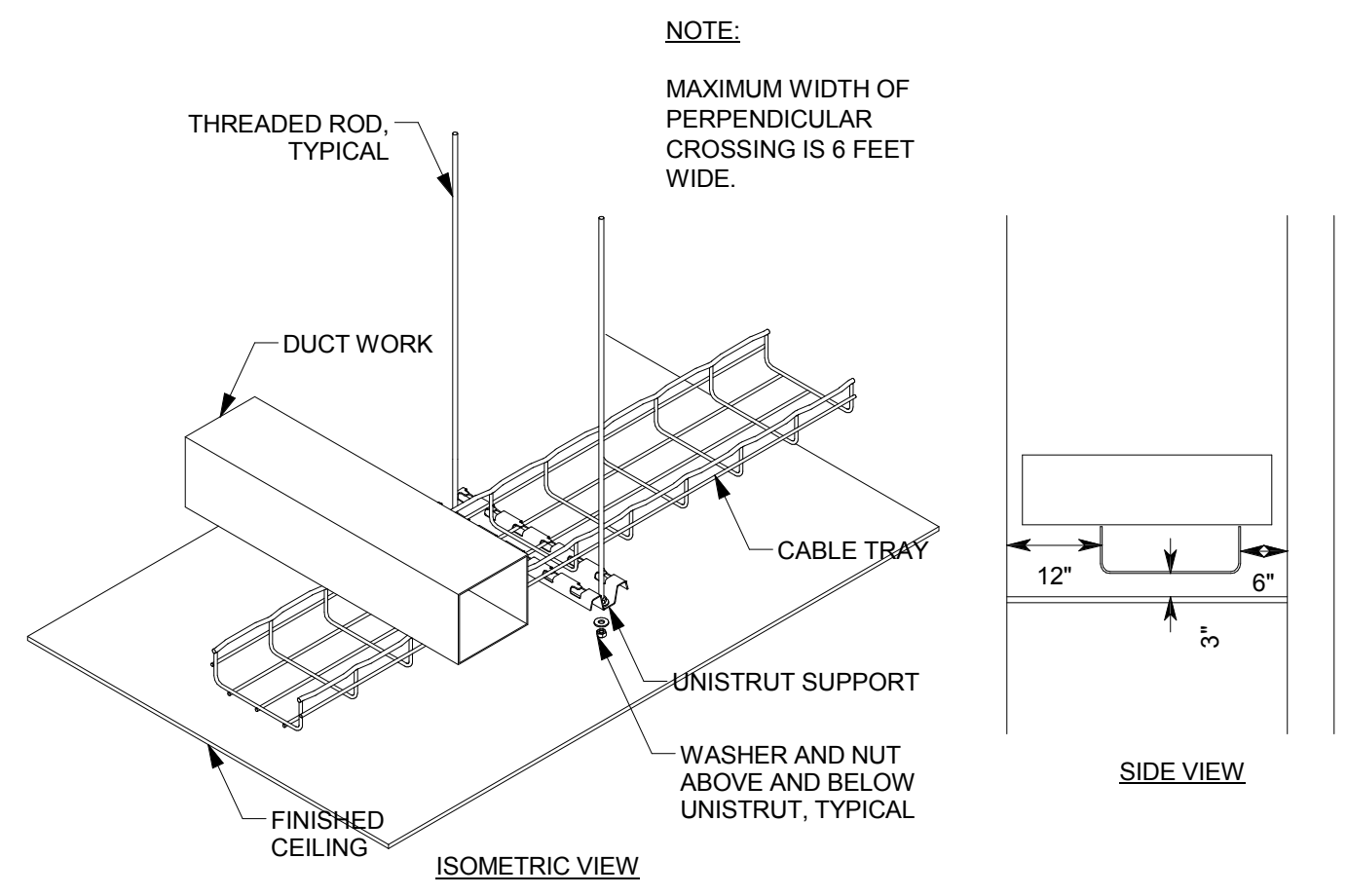
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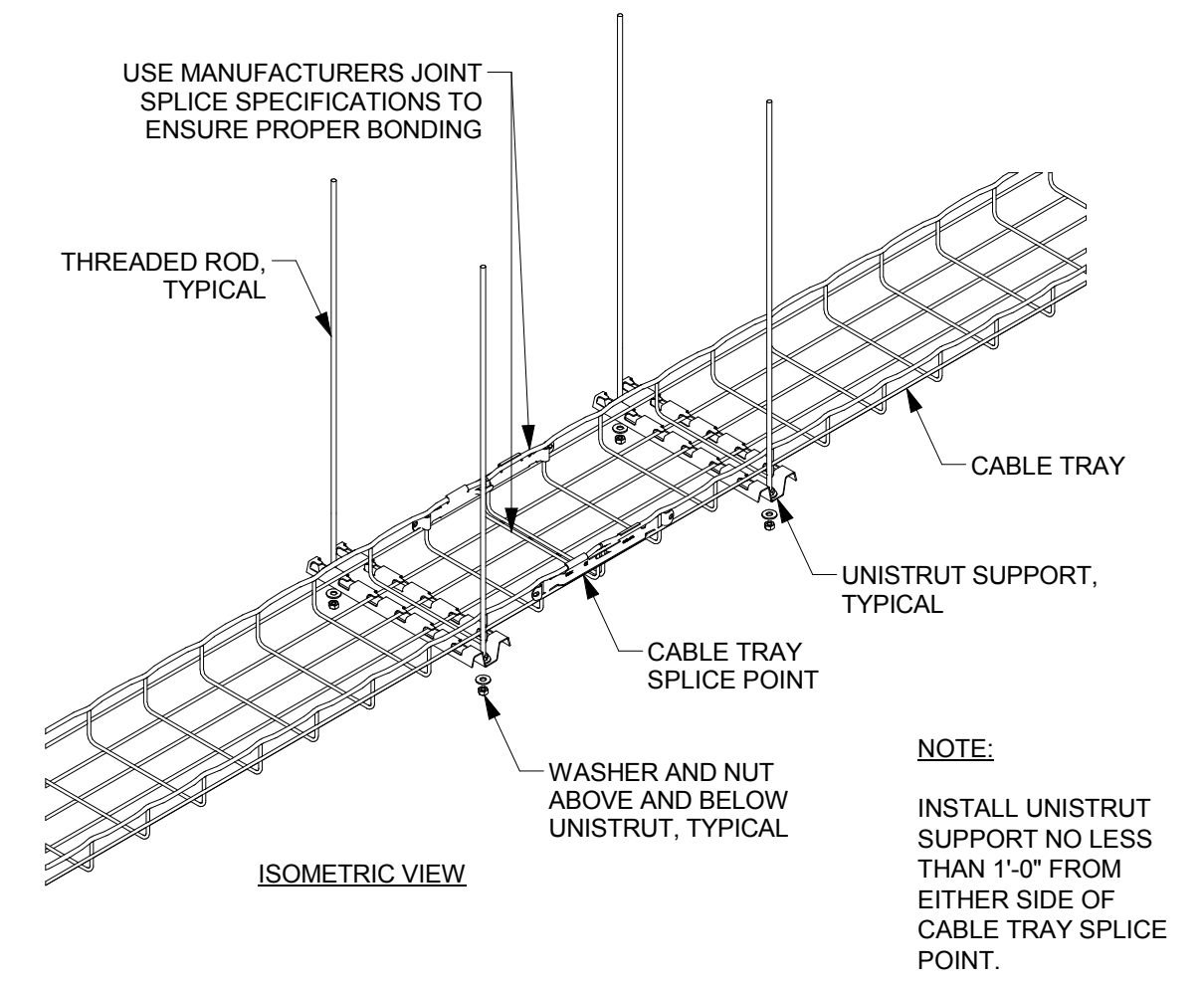
**C2** TYPICAL CABLE TRAY WITH PARALLEL OBSTRUCTION  
 NO SCALE



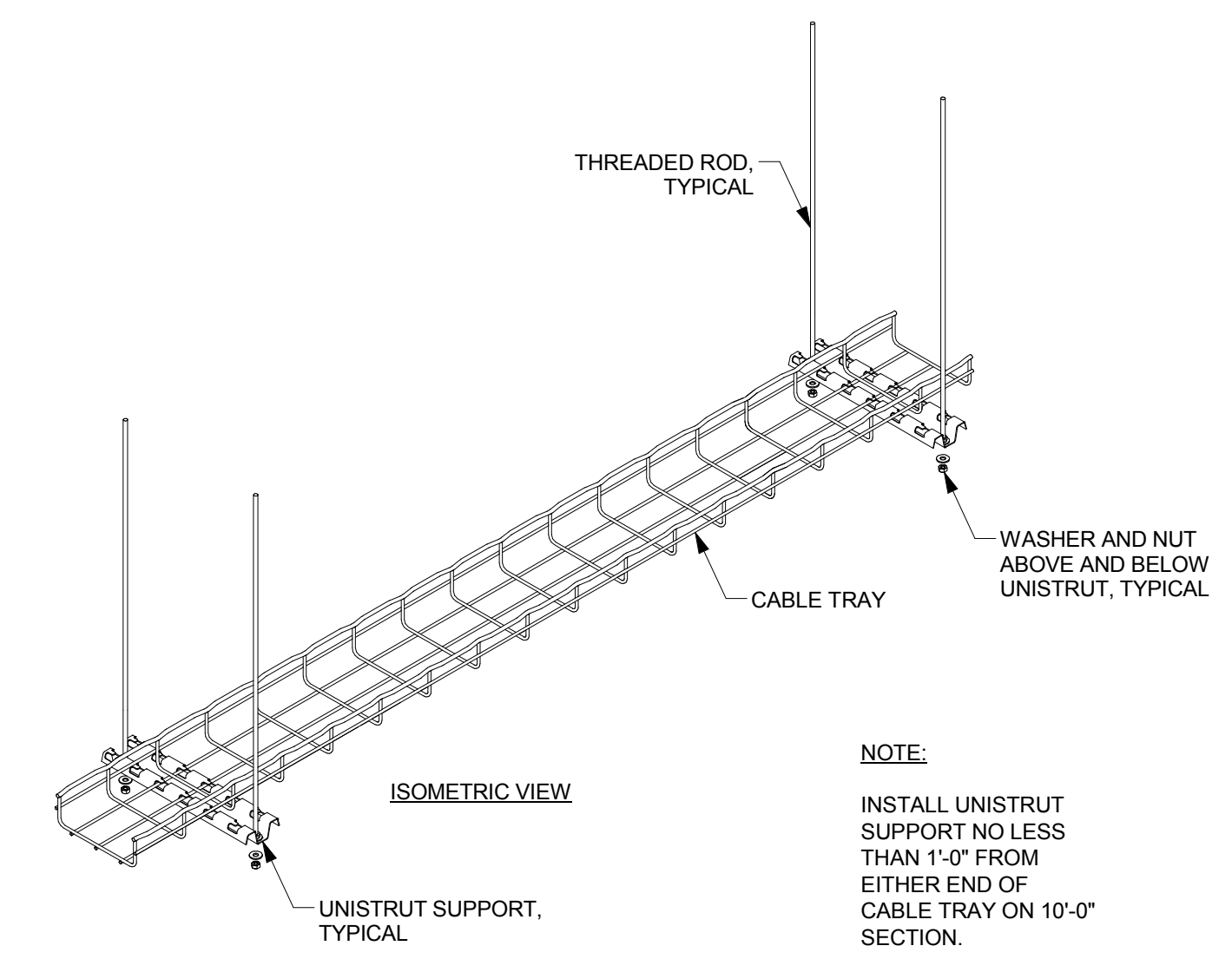
**C4** TYPICAL CABLE TRAY WITH PERPENDICULAR CROSSING  
 NO SCALE



**A2** CABLE TRAY WITH SUPPORT AT SPLICE POINT  
 NO SCALE

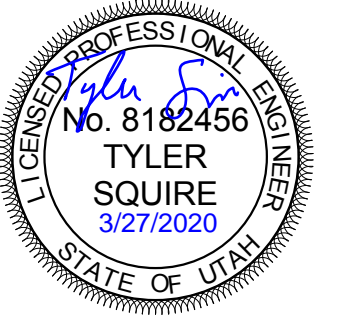


**A4** 10' CABLE TRAY WITH SUPPORT AT ENDS  
 NO SCALE



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AUTHORITY HAVING JURISDICTION

PROJECT DESCRIPTION  
 INTERMOUNTAIN  
 HEALTHCARE KEY BANK  
 TOWER LEVEL 09

36 S STATE STREET  
 SALT LAKE CITY, UT 84111

SHEET NAME:  
 TELECOM DETAILS

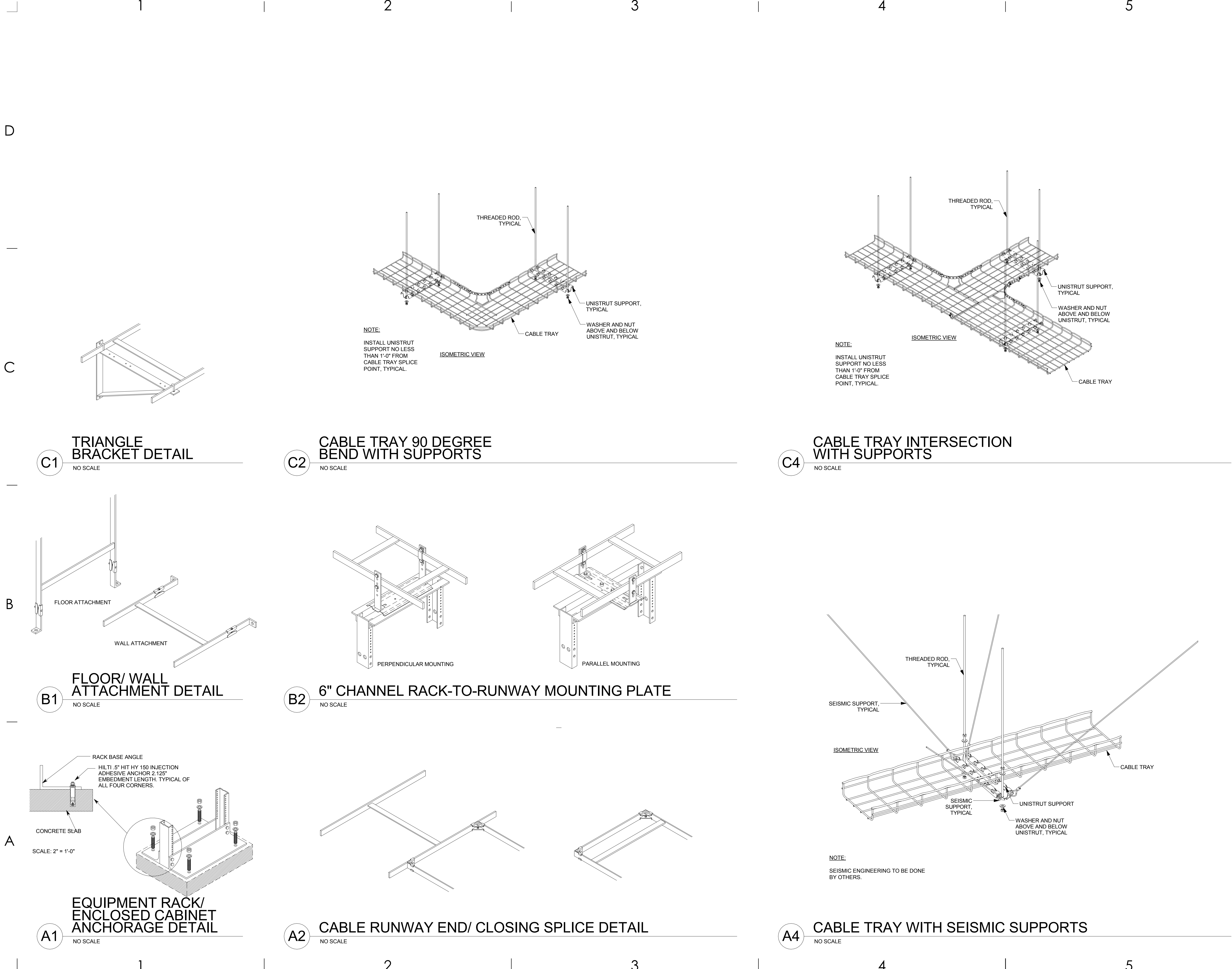
REVISIONS	MARK	DATE	DESCRIPTION

ISSUE DATE: 03/27/2020  
 ISSUE TYPE: CD SET  
 DRAWN BY: SJT  
 CHECKED BY: JDA  
 PROJECT#: 1953

SHEET NUMBER:

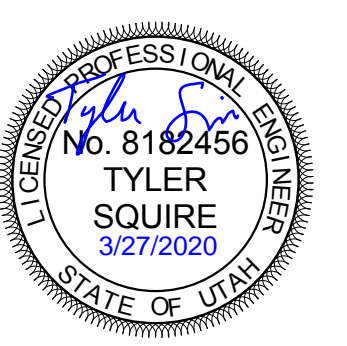
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PROJECT DESCRIPTION

INTERMOUNTAIN  
HEALTHCARE KEY BANK  
TOWER LEVEL 09

36 S STATE STREET  
SALT LAKE CITY, UT 84111

SHEET NAME:  
TELECOM DETAILS

REVISIONS  
MARK DATE DESCRIPTION

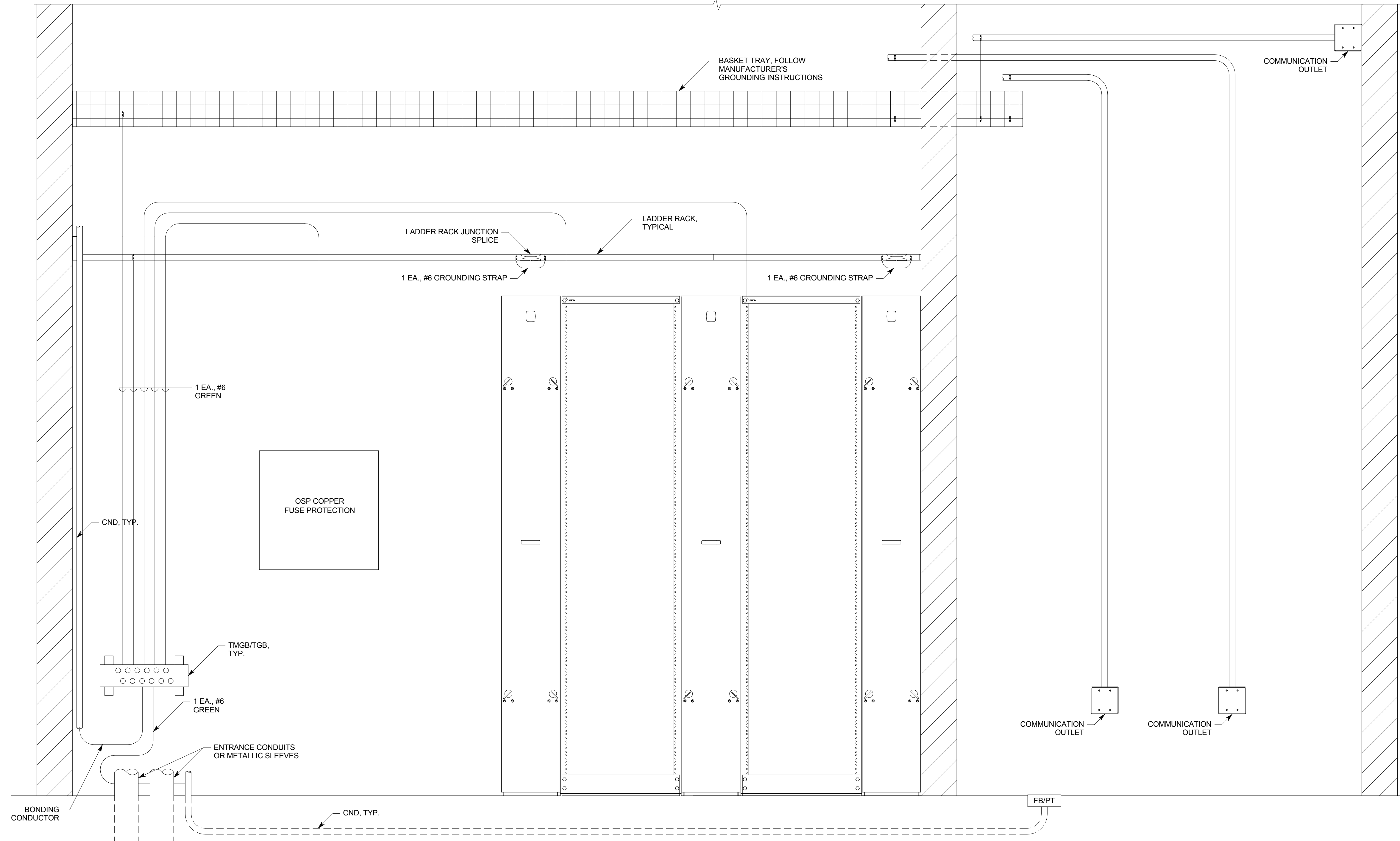
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ISSUE TYPE: CD SET  
DRAWN BY: SJT  
CHECKED BY: JDA  
PROJECT#: 1953

SHEET NUMBER:

**ET505**

**GENERAL NOTES:**

1. ALL LOW VOLTAGE COMMUNICATIONS CONDUIT SHALL BE GROUNDED TO BASKET TRAY OR TELECOMMUNICATIONS GROUNDING BUS BAR.
2. "TMGB" SHOULD BE 1/2"x4"x24". PANDUIT PART NUMBER GB4B1028TP1-1, OR EQUAL.
3. "TGB" SHOULD BE 1/2"x2"x24". PANDUIT PART NUMBER GB2B0514TP1-1, OR EQUAL.
4. EMT CONDUIT GROUNDING CLAMP SHOULD BE ELECTROLYTIC CAST BRONZE. PANDUIT PART NUMBER GPL-"X"-X", OR EQUAL.
5. RIGID CONDUIT GROUND CLAMP SHOULD BE O-Z/GEDNEY BLG-XXXX, OR HBLG-XXXX, OR EQUAL.
6. GROUNDING LUGS SHOULD BE TWO HOLE LONG BARREL LUGS. PANDUIT PART NUMBER LCC6, OR EQUAL.



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**A1** TYPICAL GROUNDING RISER DETAIL  
NO SCALE

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AUTHORITY HAVING JURISDICTION

PROJECT DESCRIPTION  
**INTERMOUNTAIN  
HEALTHCARE KEY BANK  
TOWER LEVEL 09**

**36 S STATE STREET  
SALT LAKE CITY, UT 84111**

SHEET NAME:  
**TELECOM EQUIPMENT  
RACK GROUNDING  
DETAIL**

REVISIONS

MARK	DATE	DESCRIPTION

ISSUE DATE: **03/27/2020**  
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SHEET NUMBER:  
**ET506**



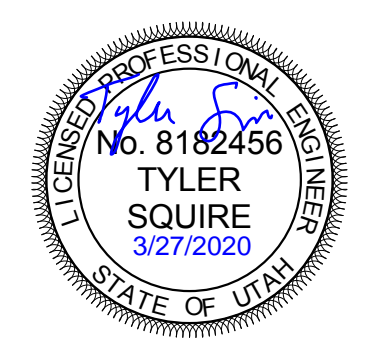
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## GENERAL SHEET NOTES

1. PROVIDE CABLE TRAYS ABOVE CEILINGS IN CORRIDORS LEADING TO THE TDR PER INTERMOUNTAIN HEALTHCARE STRUCTURED CABLING STANDARDS.

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PROJECT DESCRIPTION  
 INTERMOUNTAIN  
 HEALTHCARE KEY BANK  
 TOWER LEVEL 09

36 S STATE STREET  
 SALT LAKE CITY, UT 84111

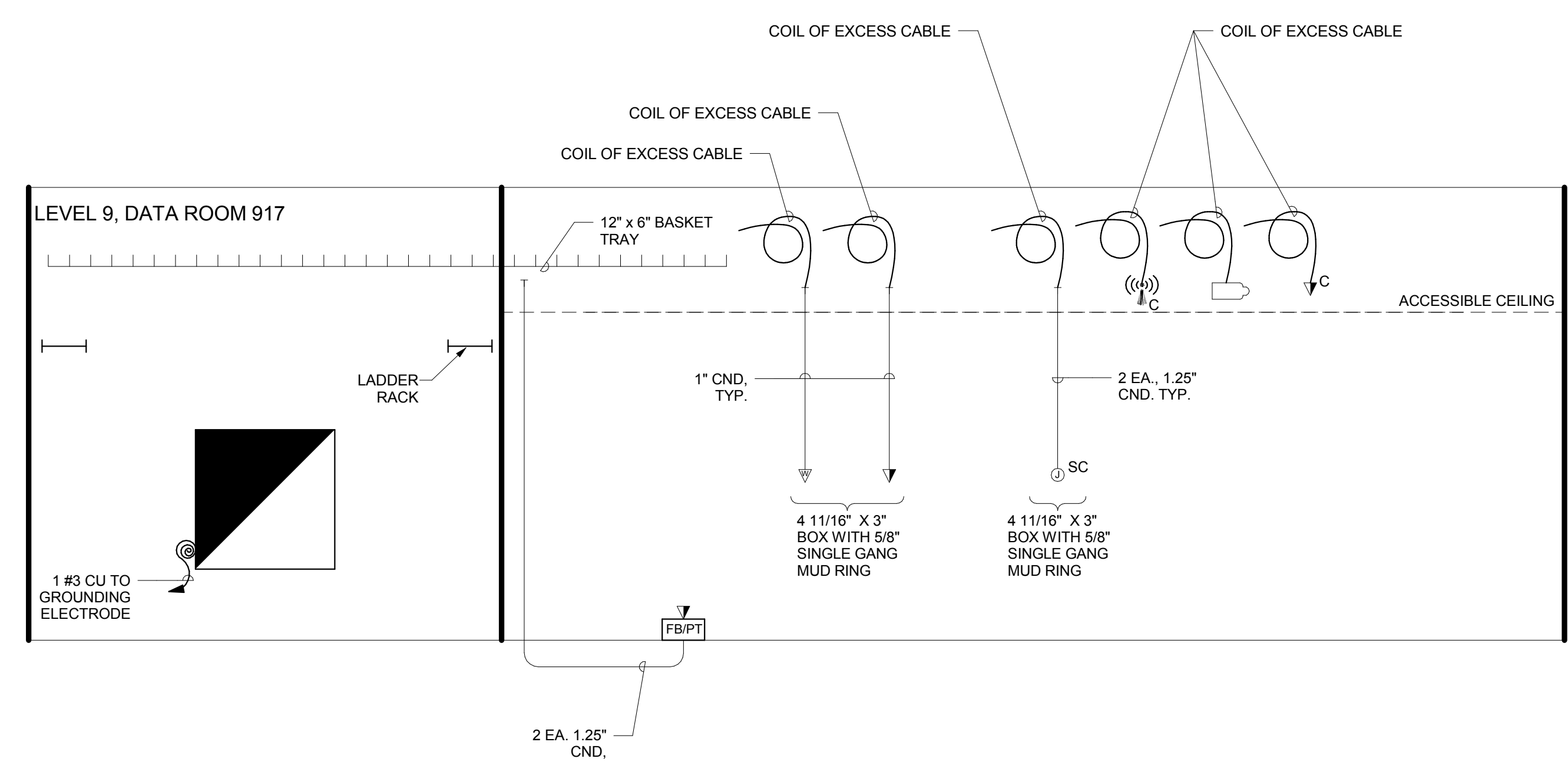
SHEET NAME:  
 TELECOM CONDUIT  
 RISER DIAGRAMS

REVISIONS	MARK	DATE	DESCRIPTION

ISSUE DATE: 03/27/2020  
 ISSUE TYPE: CD SET  
 DRAWN BY: SJT  
 CHECKED BY: JDA  
 PROJECT#: 1953

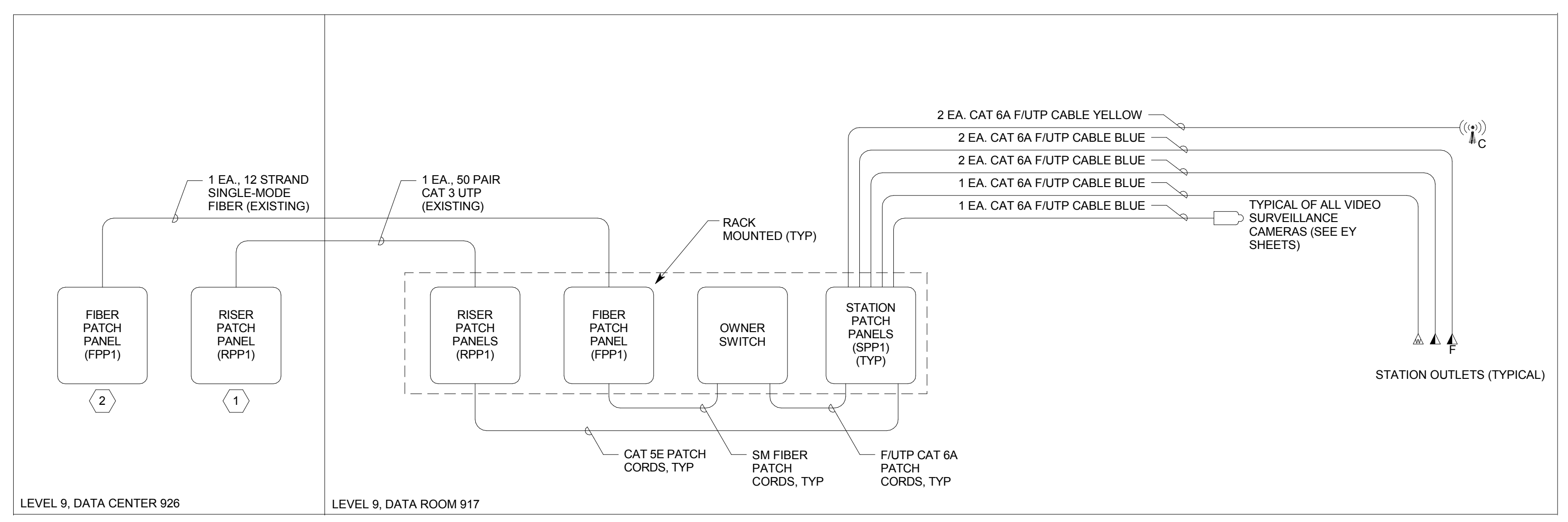
SHEET NUMBER:

# ET601



**A1** TELECOM CABLING CONDUIT RISER DIAGRAM  
 NO SCALE

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**A1** TELECOM CABLING RISER DIAGRAM  
NO SCALE

**GENERAL SHEET NOTES**

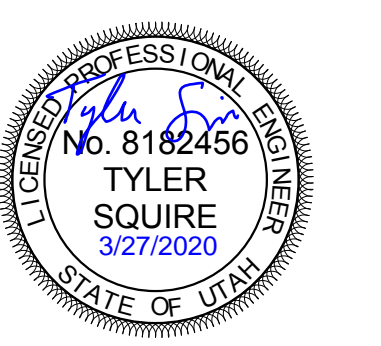
1. PROVIDE CABLE TRAYS ABOVE CEILINGS IN CORRIDORS LEADING TO THE TDR PER INTERMOUNTAIN HEALTHCARE STRUCTURED CABLING STANDARDS.

**SHEET KEYNOTES**

1. EXTEND 50 PAIR CAT 3 PLENUM CABLE TO COMM CLOSET. TERMINATE 50 PAIR ON EXISTING 66 BLOCKS ON WALL. USE THE CABLE COUNT 1301-1350. TEST ALL COPPER PAIRS AFTER TERMINATION. CONTRACTOR TO RE-TERMINATE AND TEST ALL FIBER AND COPPER IN NEW "FPP" AND "RPP".

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AUTHORITY HAVING JURISDICTION

PROJECT DESCRIPTION  
**INTERMOUNTAIN  
 HEALTHCARE KEY BANK  
 TOWER LEVEL 09**

**36 S STATE STREET  
 SALT LAKE CITY, UT 84111**

SHEET NAME:  
**TELECOM CABLE RISER  
 DIAGRAMS**

REVISIONS

MARK	DATE	DESCRIPTION

ISSUE DATE: **03/27/2020**  
 ISSUE TYPE: **CD SET**  
 DRAWN BY: **SJT**  
 CHECKED BY: **JDA**  
 PROJECT#: **1953**

SHEET NUMBER:

**ET602**

SECURITY SHEET INDEX	
EY001	SECURITY COVER SHEET
EY109	LEVEL 09 AUXILIARY PLAN
EY601	AUXILIARY RISER DIAGRAMS

EQUIPMENT/CABLE LIST		
THE ITEMS INDICATED BELOW SHALL NOT BE CONSTRUED AS A "BILL OF MATERIALS". THIS LIST IDENTIFIES ITEMS OF SIGNIFICANCE USED DURING THE DESIGN OF THE CABLING INSTALLATION. WHERE THE ITEMS INDICATED ARE ONE PORTION OF AN ASSEMBLY, THE ENTIRE ASSEMBLY SHALL BE PROVIDED UNLESS SPECIFIED OTHERWISE. PROVIDE ALL MISCELLANEOUS HARDWARE AND SUPPORTS WHICH MAY NOT BE LISTED HERE, FOR A COMPLETE INSTALLATION. COMPARE CATALOG NUMBERS WITH DESCRIPTIONS AND NOTIFY ENGINEER OF DISCREPANCIES PRIOR TO BID. IF CATALOG NUMBERS DO NOT MATCH DESCRIPTIONS, THE DESCRIPTIONS TAKE PRECEDENCE. PROVIDE COMPLETE SUBMITTAL FOR APPROVAL PRIOR TO PURCHASING ANY EQUIPMENT OR CABLE. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.		
SYMBOL	ITEM DESCRIPTION	ACCEPTABLE TYPES
#X	DATA OUTLET, FLUSH MOUNT BOX, SEE EY601 FOR ADDITIONAL INFORMATION DATA JACK CAT 6	COMMSCOPE, PANDUIT, LEVITON, BELDEN COMMSCOPE, PANDUIT, LEVITON, BELDEN
CR	CARD READER, SEE EY601 FOR ADDITIONAL INFORMATION	
#XX	DOOR ROUGH-IN, SEE EY601 FOR ADDITIONAL INFORMATION	
ACS	ACCESS CONTROL SYSTEM DOOR CONTROLLER PANEL	

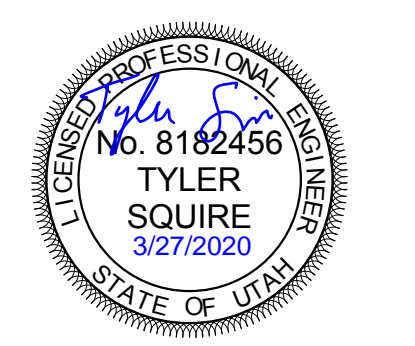
GENERAL PROJECT NOTES	
1.	UNLESS OTHERWISE NOTED, INSTALL ALL CABLE INSIDE RACEWAY SYSTEMS. WHERE RACEWAY SYSTEMS HAVE NOT BEEN PROVIDED OR SPECIFIED, INSTALL CABLE THROUGH THE SPECIFIED "CADDY" CLIPS AT THE MINIMUM INTERVALS IDENTIFIED IN THE SPECIFICATIONS. SUPPORT "CADDY" CLIPS DIRECTLY FROM THE BUILDING STRUCTURE, NOT FROM OTHER BUILDING SYSTEM SUPPORT WIRES OR CABLE.
2.	PROVIDE PLENUM RATED CABLE FOR ALL SPECIFIED CABLE.
3.	LABEL ALL CABLE INSTALLED UNDER THIS CONTRACT REGARDLESS OF LENGTH, ACCORDING TO WRITTEN SPECIFICATION.
4.	THE EQUIPMENT LABELING IDENTIFIED ON DETAILS IN THESE DRAWINGS ARE EXAMPLES ONLY OF THE ACTUAL LABELING WHICH IS REQUIRED AS PART OF THIS CONTRACT. PRIOR TO FABRICATION, SUBMIT THE NOMENCLATURE FOR ALL LABELS TO THE OWNER FOR REVIEW. THIS REQUIREMENT INCLUDES BUT IS NOT LIMITED TO ALL CABLE LABELING, AND ALL EQUIPMENT LABELING.
5.	GROUND ALL EQUIPMENT RACKS LADDER RACK, AND EQUIPMENT INSTALLED UNDER THIS CONTRACT IN COMPLIANCE WITH THE CONTRACT DOCUMENTS AND WRITTEN SPECIFICATION.
6.	PROVIDE THE QUANTITY OF PATCH PANELS REQUIRED +20% FOR THE TOTAL CABLES SHOWN ON FLOOR PLANS FOR THE PARTICULAR LEVEL.
7.	COORDINATE WITH OWNER I.T. PERSONNEL ON RACK PATCH PANEL DENSITY PRIOR TO ANY CABLE TERMINATION.
8.	FOR EVERY CABLE PULL SPECIFIED, COIL 10' OF EXCESS CABLE AT THE STATION END FOR FUTURE USE. NEATLY COIL AND SECURITY CABLE ABOVE CEILING OR BELOW THE FLOOR, WHERE APPLICABLE.
9.	COORDINATE WITH ALL SUBS TO ENSURE THAT ALL CABLE SHALL BE PROTECTED FROM ANY DIRECT PAINT OR INCIDENTAL OVERSPRAY.
10.	FACEPLATE COLOR WILL BE DETERMINED BY THE ARCHITECT AND OWNER. FACEPLATE COLOR SHOULD MATCH ELECTRICAL FACEPLATE COLOR, UNLESS OTHERWISE NOTED.

ABBREVIATIONS	
NOTE: ALL ABBREVIATIONS MAY NOT BE USED.	
A	- AUGMENTED
CAT	- CATEGORY
E	- ENHANCED
EA	- EACH
ER	- EQUIPMENT ROOM
FPP	- FIBER PATCH PANEL
GIG	- GIGA HERTZ
HWM	- HORIZONTAL WIRE MANAGEMENT
NIC	- NOT IN CONTRACT
OE	- OWNER ELECTRONICS
PNM	- PLENUM
PR	- PAIR
PS	- POWER SUPPLY
RPP	- RISER PATCH PANEL
SPP	- TYPE S PATCH PANEL
TR	- TELECOMMUNICATIONS ROOM
TYP	- TYPICAL
WWM	- VERTICAL WIRE MANAGEMENT

DEFINITIONS	
NOTE: ALL DEFINITIONS MAY NOT BE USED.	
INDICATED: THE TERM "INDICATED" REFERS TO GRAPHIC REPRESENTATIONS, NOTES, OR SCHEDULES ON THE DRAWINGS, OTHER PARAGRAPHS OR SCHEDULES IN THE SPECIFICATIONS, AND SIMILAR REQUIREMENTS IN THE CONTRACT DOCUMENTS. WHERE TERMS SUCH AS "SHOWN", "NOTED", "SCHEDULED", AND "SPECIFIED" ARE USED, IT IS TO HELP THE READER LOCATE THE REFERENCE, NO LIMITATION ON LOCATION IS INTENDED.	
DIRECTED: TERMS SUCH AS "DIRECTED", "REQUESTED", "AUTHORIZED", "SELECTED", "APPROVED", "REQUIRED", AND "PERMITTED" MEAN "DIRECTED BY THE ENGINEER", "REQUESTED BY THE ENGINEER", AND SIMILAR PHRASES.	
APPROVE: THE TERM "APPROVED", WHERE USED IN CONJUNCTION WITH THE ENGINEER'S ACTION ON THE CONTRACTOR'S SUBMITTALS, APPLICATIONS, AND REQUESTS, IS LIMITED TO THE ENGINEER'S DUTIES AND RESPONSIBILITIES AS STATED IN GENERAL AND SUPPLEMENTARY CONDITIONS.	
FURNISH: THE TERM "FURNISH" IS USED TO MEAN "SUPPLY AND DELIVER TO THE PROJECT SITE, READY FOR UNLOADING, UNPACKING, ASSEMBLY, INSTALLATION, AND SIMILAR OPERATIONS."	
INSTALL: THE TERM "INSTALL" IS USED TO DESCRIBE OPERATIONS AT PROJECT SITE INCLUDING THE ACTUAL UNLOADING, UNPACKING, ASSEMBLY, ERECTION, PLACING, ANCHORING, APPLYING, WORKING TO DIMENSION, FINISHING, CURING, PROTECTING, CLEANING, AND SIMILAR OPERATIONS."	
PROVIDE: THE TERM "PROVIDE" MEANS "TO FURNISH AND INSTALL, COMPLETE AND READY FOR THE INTENDED USE."	
INSTALLER: AN "INSTALLER" IS THE CONTRACTOR OR AN ENTITY ENGAGED BY THE CONTRACTOR, EITHER AS AN EMPLOYEE, SUBCONTRACTOR, OR SUB-SUBCONTRACTOR, FOR PERFORMANCE OF A PARTICULAR CONSTRUCTION ACTIVITY, INCLUDING INSTALLATION, ERECTION, APPLICATION, AND SIMILAR OPERATIONS. INSTALLERS ARE REQUIRED TO BE EXPERIENCED IN THE OPERATIONS THEY ARE ENGAGED TO PERFORM.	
ELECTRONIC SYSTEMS: THE TERM "ELECTRONIC SYSTEMS" IS USED TO DESCRIBE ALL LOW VOLTAGE SYSTEMS GENERALLY REFERRED TO AS "SPECIAL SYSTEMS". THESE SYSTEMS INCLUDE BUT ARE NOT NECESSARILY LIMITED TO ALL SYSTEMS WHICH UTILIZE VOLTAGES OF LESS THAN 71 VOLTS SUCH AS SOUND SYSTEMS, VIDEO SYSTEMS, TV SYSTEMS, SECURITY SYSTEMS, VOICE AND DATA CABLING SYSTEMS, ETC....	

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AUTHORITY HAVING JURISDICTION

PROJECT DESCRIPTION  
INTERMOUNTAIN  
HEALTHCARE KEY BANK  
TOWER LEVEL 09

36 S STATE STREET  
SALT LAKE CITY, UT 84111

SHEET NAME:  
SECURITY COVER SHEET

REVISIONS		
MARK	DATE	DESCRIPTION

ISSUE DATE: **03/27/2020**  
ISSUE TYPE: **CD SET**  
DRAWN BY: **NTD**  
CHECKED BY: **JDB**  
PROJECT#: **1953**

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### SHEET KEYNOTES

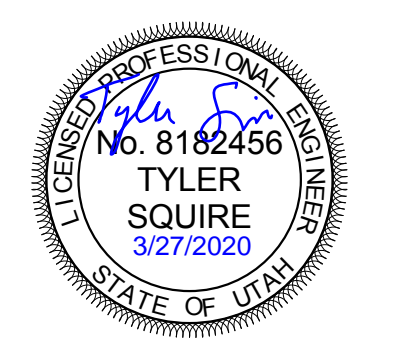
- CIRCUIT TO EXISTING 120V EMERGENCY CIRCUIT PREVIOUSLY FEEDING FIRE/SMOKE DAMPERS ON THIS FLOOR.

### GENERAL SHEET NOTES

- LOCATE CARD READERS. COORDINATE WITH ARCHITECTURAL PLANS. CONNECT EXISTING CARD READERS IN STAIRS TO NEW DOOR HARDWARE.
- COORDINATE WITH ARCHITECT FOR FIRE RATED CONSTRUCTION
- PROVIDE CLASS A FIRE ALARM SYSTEM.
- THE EXISTING CORE WALLS AND SHAFTS ARE FIRE RATED. REFER TO ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION.
- REFER TO THE TYPICAL WALL MOUNTED DEVICES ALIGNMENT DETAIL ON SHEET EE702 FOR ADDITIONAL REQUIREMENTS REGARDING DEVICE LOCATIONS.
- CONNECT ALL FIRE ALARM DEVICES TO THE EXISTING EST3 FIRE ALARM SYSTEM.
- FIRE ALARM INSTALLATION SHALL BE DONE BY PST.

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PROJECT DESCRIPTION  
INTERMOUNTAIN  
HEALTHCARE KEY BANK  
TOWER LEVEL 09

36 S STATE STREET  
SALT LAKE CITY, UT 84111

SHEET NAME:  
LEVEL 09 AUXILIARY  
PLAN

REVISIONS  
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CHECKED BY: TDS  
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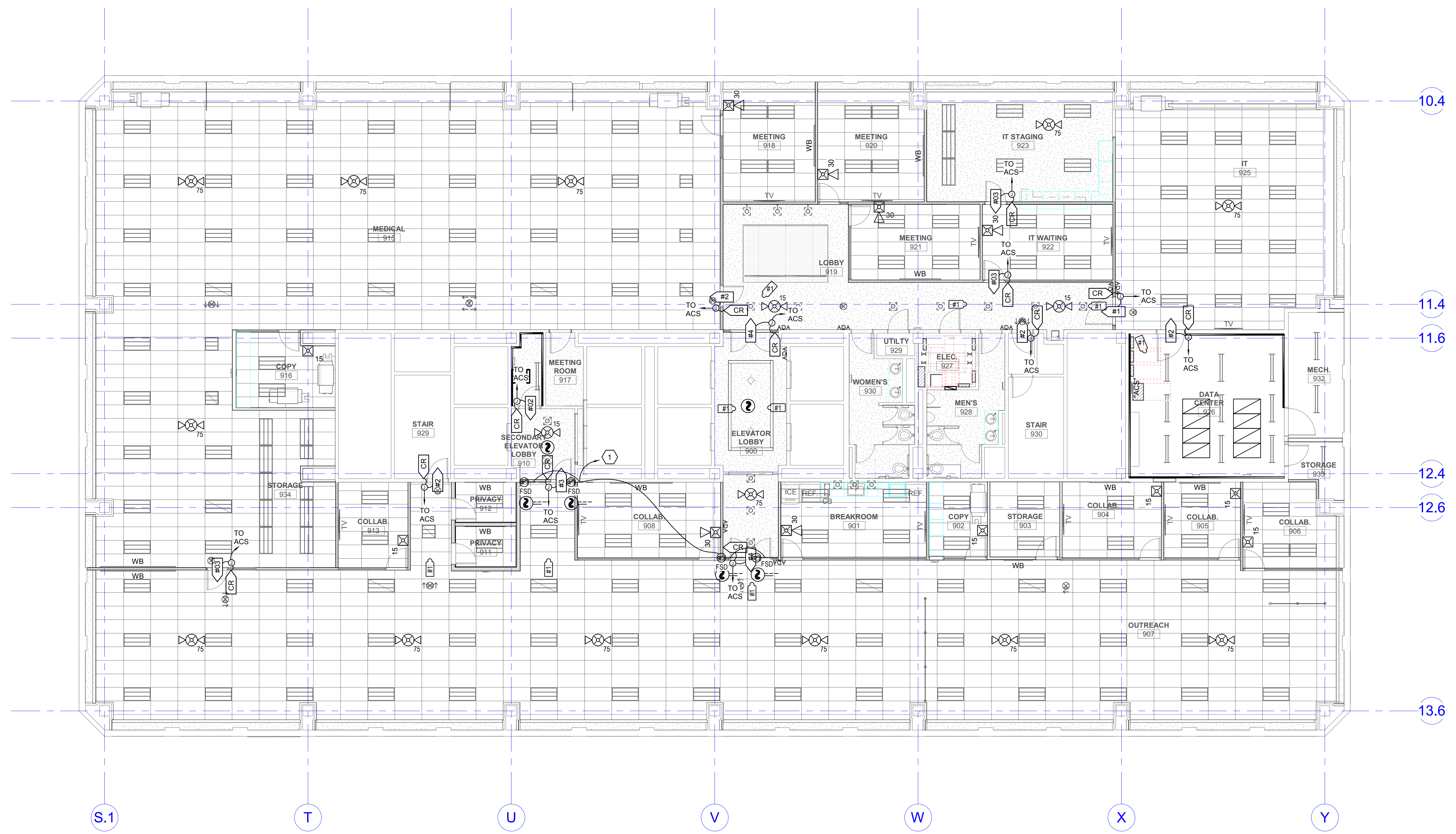
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# EY109

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## A1 LEVEL 09 AUXILIARY PLAN

SCALE: 1/8" = 1'-0"



# NOTES

- PROVIDE RACEWAY AND EQUIPMENT AS INDICATED FOR CARD ACCESS DOOR TYPE INDICATED. REFER TO SECTION 281300 AND CARD ACCESS LOCK CONTROL DETAILS FOR ADDITIONAL REQUIREMENTS.
- PROVIDE CONCEALED .75" C TYPICAL FOR LINES SHOWN TO DEVICE BOXES ON PROTECTED SIDE AND UNPROTECTED SIDE ELEVATIONS.
- CONFIRM CORRECT CARD ACCESS DOOR RACEWAY, LOCK VOLTAGE, AND EXIT SWITCH CURRENT RATING (2 AMPS MIN.) WITH DIV. 8 FURNISHED CARD ACCESS DOOR HARDWARE PER DIV. 8 DOOR HARDWARE SPECIFICATIONS.
- LOCATE CARD READER BOX AS INDICATED ON FLOOR PLANS. RACEWAY AND BOXES BY DIV. 26. REFER TO 281300 FOR CARD ACCESS SYSTEM REQUIREMENTS.
- DOUBLE 4SQ J-BOX ON PROTECTED SIDE OF DOORWAY (SIDE OPPOSITE OF CARD READER) ABOVE ACCESSIBLE CEILING OR IN OTHER ACCESSIBLE LOCATION. PROVIDE COVER FOR J-BOX.
- ELECTRIC LOCKING HARDWARE (MAG LOCKS, ELECTRIC STRIKES, POWER TRANSFER HINGES, ETC.) BY DIV 8. REVIEW DOOR HARDWARE FURNISHED AND VERIFY LOCK VOLTAGES AND OPERATIONAL FUNCTIONALITY OF LOCKS. CONTACT ENGINEER WITH QUESTIONS OR CONCERNS.

# ABBREVIATIONS

DBL	=	DOUBLE
DIR	=	DIRECTION
HDWR	=	HARDWARE
C	=	CONDUIT
4SQ	=	FOUR SQUARE
W/	=	WITH
1G	=	1 GANG
PWR	=	POWER
ACC	=	ACCESSIBLE
OCC	=	OCCUPANCY
TYP	=	TYPICAL
L/PS	=	LOCK POWER SUPPLY
CR	=	CARD READER
CI	=	DOOR CONTACT INDICATOR
EPT	=	ELECTRIC POWER TRANSFER
ES	=	ELECTRIC STRIKE
ED	=	EXIT DEVICE
ML	=	ELECTROMAGNETIC LOCK
KS	=	KEY SWITCH
ACS	=	ACCESS CONTROL SYSTEM
EL	=	ELECTRIC LOCKSET
MD	=	MOTION DETECTOR
TLC	=	TIME/SYSTEM LOCK CONTROL
ELC	=	EMERGENCY LOCK CONTROL
IDS	=	INTRUSION DETECTION SYSTEM
ADA	=	AUTO DOOR OPENER
REX	=	REQUEST TO EXIT
FA	=	FIRE ALARM SYSTEM
OFP	=	OBTAIN FROM PLANS
A/R	=	AS REQUIRED
EED	=	ELECTRIC EXIT DEVICE (SEE SECTION 87100)
AEL	=	ACCESS ELECTRIC LOCKSET (SEE SECTION 87100)
FH	=	FRAME HARNESS
DH	=	DOOR HARNESS
EH	=	ELECTRIC HINGE
LA	=	ELECTROLYNX ADAPTOR
CNT	=	CONTROLLER
HO	=	ELECTROMAGNETIC HOLDER
PTE	=	PUSH TO EXIT BUTTON (MAGLOCK)
RTO	=	REQUEST TO OPEN

### VSS CAMERA SCHEDULE

TYPE	INTERIOR (INT)/ EXTERIOR (EXT)	DESCRIPTION	AXIS MODEL #
1	INT	FIXED DOME, VARIFOCAL, CEILING MOUNT	P3374

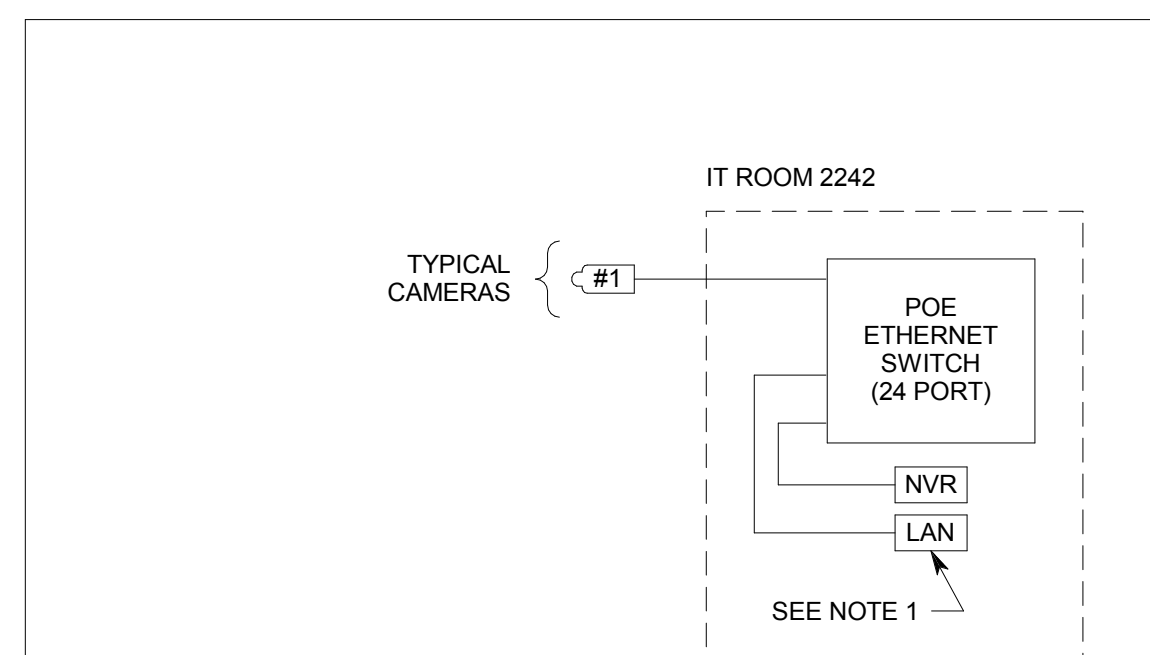
### SECURITY EQUIPMENT SCHEDULE

SYMBOL	DESCRIPTION	MOUNTING *	ROUGH-IN	QTY	ACCEPTABLE TYPES
CR	CARD READER	40"	4SQ W/ 1G RING	OFP	SEE SECTION 281300
#1	CARD ACCESS DOOR TYPE, TYPICAL. REFER TO ACCESS DOOR TYPE SCHEDULE.	SEE SCHEDULE	SEE SCHEDULE	OFP	REFER TO CARD ACCESS DOOR TYPE SCHEDULE & SECTION 281300
#1	VSS CAMERA/ENCLOSURE TYPE, TYPICAL. REFER TO VSS CAMERA/ENCLOSURE TYPE SCHEDULE.	SEE SCHEDULE	SEE SCHEDULE	OFP	SEE VSS CAMERA/ENCLOSURE TYPE SCHEDULE
ACS	CARD ACCESS CONTROLLERS & PWR SUPPLIES	72"	4"x4" GUTTER & STUBS A/R	A/R	SEE SECTION 281300

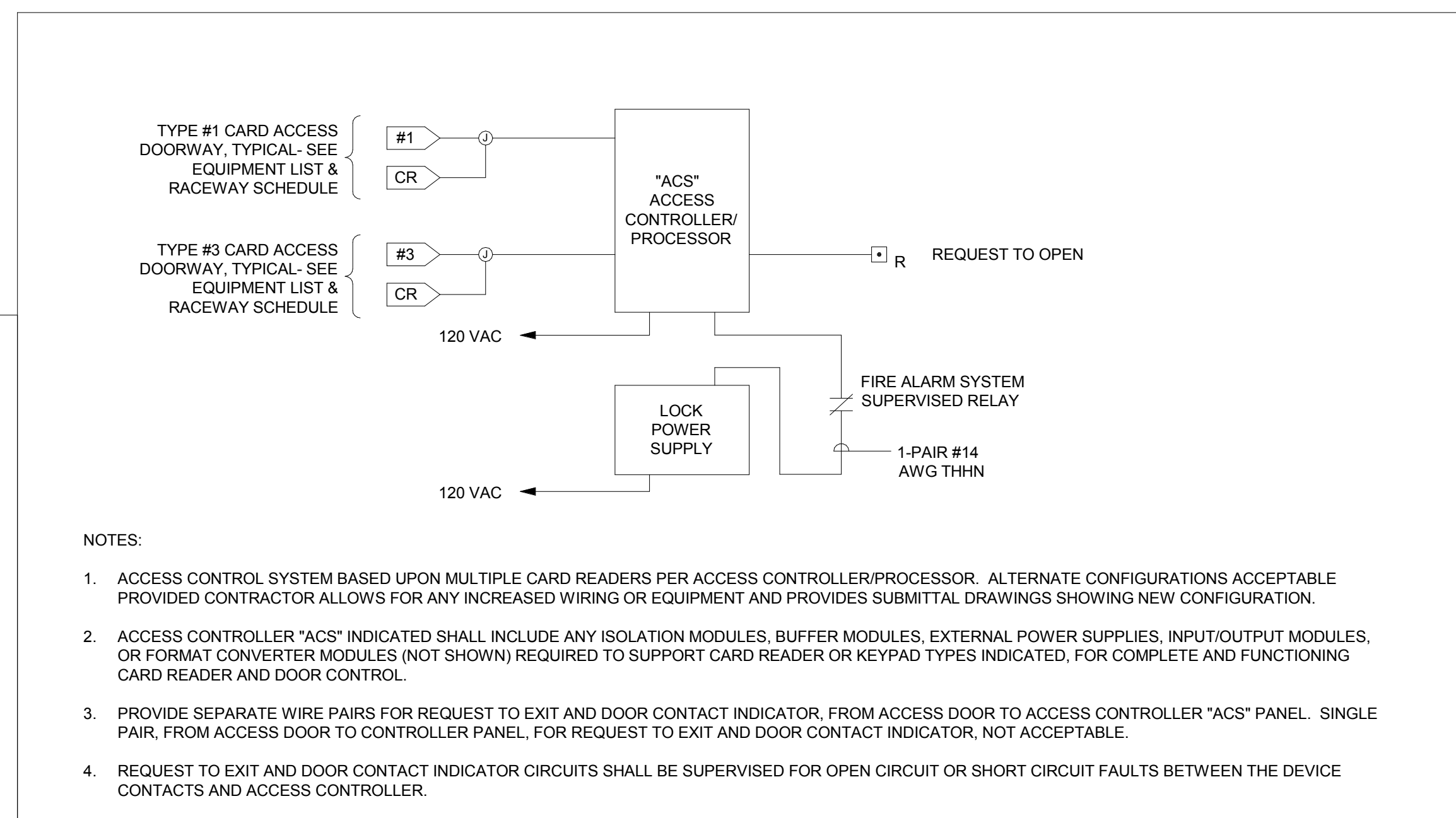
\* COORDINATE MOUNTING HEIGHTS WITH ARCHITECTURAL ELEVATIONS BEFORE INSTALLATION.

### CARD ACCESS DOOR TYPE SCHEDULE

DOOR TYPE #	SYMBOL	DESCRIPTION	PROTECTED SIDE ELEVATION	UNPROTECTED SIDE ELEVATION	LOCK TYPE(S)	DIVISION OF WORK AND COMMENTS
TYPE 1		SINGLE DOOR, 1 CARD READER (FREE EGRESS)			ELECTRIC STRIKE W/ LOCKSET	SECURITY CONTRACTOR PROVIDES: • CR, L/PS, CI HARDWARE CONTRACTOR PROVIDES: • ES LOCK CONTROLLED BY: • CR
TYPE 2		SINGLE DOOR, 1 CARD READER (FREE EGRESS)			ELECTRIC EXIT DEVICE	SECURITY CONTRACTOR PROVIDES: • CR, L/PS, CI HARDWARE CONTRACTOR PROVIDES: • EED, EPT LOCK CONTROLLED BY: • CR, FA
TYPE 3		SINGLE DOOR, 1 CARD READER			ELECTRIC STRIKE WITH EXIT DEVICE	SECURITY CONTRACTOR PROVIDES: • CR, L/PS, CI HARDWARE CONTRACTOR PROVIDES: • FH, EL LOCK CONTROLLED BY: • CR
TYPE 4		DOUBLE DOOR, 1 CARD READER W/ AUTO OPENER			ELECTRIC EXIT DEVICE	SECURITY CONTRACTOR PROVIDES: • CR, CI, L/PS HARDWARE CONTRACTOR PROVIDES: • EED, EPT LOCK CONTROLLED BY: • CR, ADA, RTO, TLC
TYPE 6		SINGLE DOOR, ALARMED (FREE EGRESS)			ELECTRIC EXIT DEVICE	SECURITY CONTRACTOR PROVIDES: • L/PS, CI HARDWARE CONTRACTOR PROVIDES: • EED, EPT LOCK CONTROLLED BY: • FA



- NOTES:
- IP CONNECTION TO BUILDING LAN SHALL BE DETERMINED BY OWNER. (REQUIRED FOR REMOTE VIEWING OF CAMERAS ON OTHER PCS.)



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AUTHORITY HAVING JURISDICTION

PROJECT DESCRIPTION  
**INTERMOUNTAIN HEALTHCARE KEY BANK TOWER LEVEL 09**

**36 S STATE STREET SALT LAKE CITY, UT 84111**

SHEET NAME:

**AUXILIARY RISER DIAGRAMS**

REVISIONS  
MARK DATE DESCRIPTION

ISSUE DATE: **03/27/2020**  
ISSUE TYPE: **CD SET**  
DRAWN BY: **DBS**  
CHECKED BY: **TDS**  
PROJECT#: **1953**

SHEET NUMBER:

**EY601**

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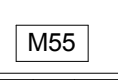
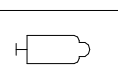
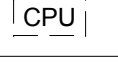

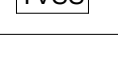
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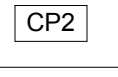
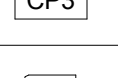
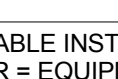
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D

AUDIO AND VIDEO SYSTEM EQUIPMENT LIST			
THE ITEMS INDICATED BELOW SHALL NOT BE CONSTRUED AS A "BILL OF MATERIALS". THIS LIST IDENTIFIES ITEMS OF SIGNIFICANCE USED DURING THE DESIGN OF THE ELECTRONIC SYSTEMS INSTALLATION. WHERE THE ITEMS INDICATED ARE ONE PORTION OF AN ASSEMBLY, THE ENTIRE ASSEMBLY SHALL BE PROVIDED UNLESS SPECIFIED OTHERWISE. PROVIDE ALL MISCELLANEOUS HARDWARE AND SUPPORTS WHICH MAY NOT BE LISTED HERE, FOR A COMPLETE INSTALLATION. COMPARE CATALOG NUMBERS WITH DESCRIPTIONS AND NOTIFY ENGINEER OF DISCREPANCIES PRIOR TO BID. IF CATALOG NUMBERS DO NOT MATCH DESCRIPTIONS, THE DESCRIPTIONS TAKE PRECEDENCE. PROVIDE COMPLETE SUBMITTAL FOR APPROVAL PRIOR TO PURCHASING ANY EQUIPMENT OR CABLE. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.			
SYMBOL	DESCRIPTION	QUANTITY	ACCEPTABLE TYPES
	TWISTED PAIR DIGITAL VIDEO TRANSMITTER/ RECEIVER PAIR IN, W/ MOUNTING HARDWARE	0FP	CRESTRON HD-MD-400-C-E
	TWISTED PAIR USB TRANSMITTER/ RECEIVER PAIR, W/ MOUNTING HARDWARE	0FP	VADDIO ICRON RAVEN 999-1005-032
	CONNECTION PANELS #2, #3	0FP	EXTRON AAP PLATES, SEE DETAILS ON SHEET TA601
	FLAT PANEL DISPLAY, 49", LCD, MINIMUM 1080p FIXED WALL MOUNT, LANDSCAPE	0FP 0FP	LG 49UT640S, OR AS APPROVED CHIEF MSTU W/ ALL NECESSARY ACCESSORIES, INCLUDING CAMERA SHELF
	FLAT PANEL DISPLAY, 55", LCD, MINIMUM 1080p FIXED WALL MOUNT, LANDSCAPE	0FP 0FP	LG 55UT640S, OR AS APPROVED CHIEF MSTU W/ ALL NECESSARY ACCESSORIES, INCLUDING CAMERA SHELF
	WEB CONFERRING SOUND BAR WITH INTEGRATED CAMERA	0FP	CRESTRON UC-SB1-CAM
	SMALL FORMAT COMPUTER, OWNER FURNISHED AND INSTALLED	0	
	CONNECTORS, SEE NOTE 5	A/R	
	POWER SUPPLIES, MISC. TRANSFORMERS, SIGNAL SENSORS, PROTOCOL CONVERTERS, SEE NOTES 4, 7, 8	A/R	
	PATCH CORDS, SEE NOTE 6	A/R	
	ADAPTER CABLES, SEE NOTE 9	A/R	
	CABLE, SEE AUDIO-VIDEO SYSTEMS CABLE SCHEDULE	A/R	
	HDMI CONNECTOR SUPPORT BRACKETS	A/R	EXTRON LOCKIT
	NYLON BRAIDED EXPANDABLE SLEEVING	A/R	TECH FLEX FLEKO PET
	TRANSIENT VOLTAGE SURGE SUPPRESSOR AT MONITORS	0FP	SURGEX SA82 OR TRIPP LITE ISOBAR6
	TRANSIENT VOLTAGE SURGE SUPPRESSOR, 20 AMP, RACK MOUNT	0FP	TRIPP LITE IBAR12-20ULTRA

A/R = AS REQUIRED, 0FP = OBTAIN FROM PLANS, OFCI = OWNER FURNISHED CONTRACTOR INSTALLED

AUDIO-VIDEO SYSTEMS CABLE SCHEDULE			
CABLE TYPE	DESCRIPTION	ACCEPTABLE TYPES	SPECIAL INSTRUCTIONS
M	MICROPHONE CABLE, 22 AWG, SHIELDED, TWISTED PAIR W/ DRAIN	BELDEN 82761 LIBERTY 22-IP-CMP-EZ-WHY WEST PENN D25454	NOTE 19
L	LINE LEVEL CABLE, 22 AWG, SHIELDED, TWISTED PAIR W/ DRAIN	BELDEN 82761 LIBERTY 22-IP-CMP-EZ-WHY WEST PENN D25454	NOTE 19
S	SPEAKER CABLE, 70 V, 16 AWG, TWISTED PAIR	WEST PENN 25225 LIBERTY 16-2C-TTP	NOTE 19
C	CONTROL CABLE, 24 AWG, 4 PAIR, OVERALL SHIELD	BELDEN 88104 WEST PENN D252404	NOTE 19
D	DATA CABLE, CATEGORY 6	BELDEN 2400 SERIES WEST PENN 254246	NOTE 19
P	DIGITAL VIDEO CABLE, TWISTED PAIR, SHIELDED	EXTRON XTP DTP 24	NOTE 19
H	HDMI CABLE	KRAMER CP-AOCHXL-XX	X=LENGTH NEEDED NOTE 19
U	USB CABLE	WEST PENN BELDEN	

AUDIO-VIDEO SYSTEM CABLE INSTALLATION REQUIREMENTS SCHEDULE				
ORIGIN	DESTINATION	CABLE TYPE	QUANTITY	SPECIAL INSTRUCTIONS
	DISPLAY	P	1	
	DISPLAY	P	2	
	ER	U	1	
		L	1	

CABLE INSTALLATION REQUIREMENTS APPLY TO EVERY DEVICE LOCATION SHOWN IN EVERY ROOM.  
ER = EQUIPMENT RACK

AV SYSTEMS SHEET INDEX	
TM001	SOUND MASKING DETAILS, DIAGRAMS, NOTES, AND SCHEDULE
TA001	AUDIO-VIDEO SYSTEMS EQUIPMENT LIST, SCHEDULES AND NOTES
TA601	AUDIO-VIDEO SYSTEMS DETAILS AND DIAGRAMS

AUDIO-VIDEO SIGNAL TYPE ABBREVIATIONS SCHEDULE	
ABBREVIATION	SIGNAL TYPE
AL	AUDIO, LEFT, (LINE LEVEL)
AR	AUDIO, RIGHT, (LINE LEVEL)
AA	ANALOG AUDIO
F	OPTICAL FIBER
V	VIDEO, COMPOSITE-STANDARD RESOLUTION ANALOG VIDEO
YC	S-VIDEO-STANDARD RESOLUTION ANALOG VIDEO
YUV	COMPONENT VIDEO-STANDARD RESOLUTION ANALOG VIDEO
RGBHV	RED, GREEN, BLUE, HORIZONTAL & VERTICAL SYNC-HIGH RESOLUTION ANALOG VIDEO
XGA/VGA	EXTENDED GRAPHICS ARRAY/VIDEO GRAPHICS ARRAY-HIGH RESOLUTION ANALOG VIDEO
DVI	DIGITAL VIDEO INTERFACE-HIGH RESOLUTION DIGITAL VIDEO
HDMI	HIGH DEFINITION MULTIMEDIA INTERFACE-HIGH RESOLUTION DIGITAL VIDEO
DP	DISPLAY PORT-HIGH RESOLUTION DIGITAL VIDEO
TP	TWISTED PAIR
IP	INTERNET PROTOCOL
SDI	SERIAL DIGITAL INTERFACE

DEFINITIONS	
NOTE: ALL DEFINITIONS MAY NOT BE USED.	
INDICATED: THE TERM "INDICATED" REFERS TO GRAPHIC REPRESENTATIONS, NOTES, OR SCHEDULES ON THE DRAWINGS, OTHER PARAGRAPHS OR SCHEDULES IN THE SPECIFICATIONS, AND SIMILAR REQUIREMENTS IN THE CONTRACT DOCUMENTS. WHERE TERMS SUCH AS "SHOWN", "NOTED", "SCHEDULED", AND "SPECIFIED" ARE USED, IT IS TO HELP THE READER LOCATE THE REFERENCE, NO LIMITATION ON LOCATION IS INTENDED.	
DIRECTED: TERMS SUCH AS "DIRECTED", "REQUESTED", "AUTHORIZED", "SELECTED", "APPROVED", "REQUIRED", AND "PERMITTED" MEAN "DIRECTED BY THE ENGINEER", "REQUESTED BY THE ENGINEER", AND SIMILAR PHRASES.	
APPROVE: THE TERM "APPROVED", WHERE USED IN CONJUNCTION WITH THE ENGINEER'S ACTION ON THE CONTRACTOR'S SUBMITTALS, APPLICATIONS, AND REQUESTS, IS LIMITED TO THE ENGINEER'S DUTIES AND RESPONSIBILITIES AS STATED IN GENERAL AND SUPPLEMENTARY CONDITIONS.	
FURNISH: THE TERM "FURNISH" IS USED TO MEAN "SUPPLY AND DELIVER TO THE PROJECT SITE, READY FOR UNLOADING, UNPACKING, ASSEMBLY, INSTALLATION, AND SIMILAR OPERATIONS."	
INSTALL: THE TERM "INSTALL" IS USED TO DESCRIBE OPERATIONS AT PROJECT SITE INCLUDING THE ACTUAL "UNLOADING, UNPACKING, ASSEMBLY, ERECTION, PLACING, ANCHORING, APPLYING, WORKING TO DIMENSION, FINISHING, CURING, PROTECTING, CLEANING, AND SIMILAR OPERATIONS."	
PROVIDE: THE TERM "PROVIDE" MEANS "TO FURNISH AND INSTALL, COMPLETE AND READY FOR THE INTENDED USE."	
INSTALLER: AN "INSTALLER" IS THE CONTRACTOR OR AN ENTITY ENGAGED BY THE CONTRACTOR, EITHER AS AN EMPLOYEE, SUBCONTRACTOR, OR SUB-SUBCONTRACTOR, FOR PERFORMANCE OF A PARTICULAR CONSTRUCTION ACTIVITY, INCLUDING INSTALLATION, ERECTION, APPLICATION, AND SIMILAR OPERATIONS. INSTALLERS ARE REQUIRED TO BE EXPERIENCED IN THE OPERATIONS THEY ARE ENGAGED TO PERFORM.	
TECHNOLOGY SYSTEMS: THE TERM "TECHNOLOGY SYSTEMS" IS USED TO DESCRIBE ALL LOW VOLTAGE SYSTEMS GENERALLY REFERRED TO AS "SPECIAL SYSTEMS". THESE SYSTEMS INCLUDE BUT ARE NOT NECESSARILY LIMITED TO ALL SYSTEMS WHICH UTILIZE VOLTAGES OF LESS THAN 71 VOLTS SUCH AS SOUND SYSTEMS, VIDEO SYSTEMS, TV SYSTEMS, SECURITY SYSTEMS, VOICE AND DATA CABLING SYSTEMS, ETC...	

ABBREVIATIONS	
NOTE: ALL ABBREVIATIONS MAY NOT BE USED.	
"A"	AMP OR AMPS
"ADJ"	ADJACENT
"AFF"	ABOVE FINISHED FLOOR
"AL"	ALUMINUM
"C"	CONDUIT
"CB", "O/B"	CIRCUIT BREAKER
"CKT"	CIRCUIT
"CO"	CONVENIENCE OUTLET
"C.O.R."	CONTRACTING OFFICER'S REPRESENTATIVE
"CU"	COPPER
"EA"	EACH
"ELEC"	ELECTRICAL
"EM"	EMERGENCY
"EMT"	ELECTRICAL METALLIC TUBING
"ENT"	ELECTRICAL NONMETALLIC TUBING
"EQUIP"	EQUIPMENT
"EX"	EXISTING
"FA"	FIRE ALARM
"FACP"	FIRE ALARM CONTROL PANEL
"FLA"	FULL LOAD AMPS
"FMC"	FLEXIBLE METAL CONDUIT
"F.O.B."	FREIGHT ON BOARD
"GFI"	GROUND FAULT INTERRUPTER
"GR"	GROUND
"HOA"	HAND-OFF-AUTO
"HP"	HORSE POWER
"IG"	INSULATED GROUND
"IMC"	INTERMEDIATE METAL CND
"IN/S"	INSULATED/ISOLATED
"KVA"	KILO VOLT AMPERES
"KW"	KILOWATTS
"LFMC"	LIQUID TIGHT FLEXIBLE METAL CONDUIT
"LFNC"	LIQUID TIGHT FLEXIBLE NONMETALLIC CONDUIT
"MCA"	MINIMUM CIRCUIT AMPS
"MLO"	MAIN LUGS ONLY
"N.C."	NORMALLY CLOSED
"N.I.C."	NOT IN CONTRACT
"N.O."	NORMALLY OPEN
"O.C."	ON CENTER
"OCP"	OVER CURRENT PROTECTION
"QTY"	QUANTITY
"R"	REMOVE
"RMC"	RIGID METAL CONDUIT
"RNC"	RIGID NONMETALLIC CONDUIT
"RR"	REMOVE AND RELOCATE
"TYP"	TYPICAL
"UF"	UNDER FLOOR
"UG"	UNDER GROUND
"W"	WITH
"WP"	WEATHER PROOF
"XFMR"	TRANSFORMER

## GENERAL AUDIO-VIDEO SYSTEMS NOTES

- CONDUCT AN RF FREQUENCY AUDIT OF THE SITE PRIOR TO SELECTION OF WIRELESS RF OPERATING FREQUENCIES. SELECT FREQUENCIES TO ASSURE INTERFERENCE FREE OPERATION. INSTALL ANTENNAS/TRANCEIVERS OUTSIDE OF THE EQUIPMENT RACK, AT AN ARCHITECT APPROVED LOCATION, WHERE THE BEST SYSTEM PERFORMANCE IS ACHIEVED.
- FILL ALL UNUSED RACK SPACE WITH BLANK/VENT PANELS.
- INSTALL/SUSPEND ALL EQUIPMENT IN COMPLIANCE WITH THE MANUFACTURERS WRITTEN INSTRUCTIONS, SEISMIC SPECIFICATION SECTION, AND INDUSTRY WIDE ACCEPTED RIGGING PRACTICES. SUPPORT EQUIPMENT WEIGHT FROM STRUCTURE ABOVE CEILINGS. DURING THE SUBMITTAL PROCESS, PROVIDE SHOP DRAWINGS WHICH DETAIL PROPOSED MOUNTING FOR ALL SUCH EQUIPMENT.
- PROVIDE MANUFACTURER RECOMMENDED POWER SUPPLIES AND/OR TRANSFORMERS FOR ALL SPECIFIED PANELS.
- FURNISH AND INSTALL ALL CABLE AND CONNECTORS REQUIRED FOR ALL AUDIO AND VIDEO SYSTEMS TO COMPLETE MANUFACTURER RECOMMENDED CABLE TO EQUIPMENT TERMINATION TO FORM A COMPLETE AND FULLY FUNCTIONAL SYSTEM AS SHOWN. SELECT CONNECTORS WHICH PASS FULL BANDWIDTH CAPABILITY OF SPECIFIED CABLE. PROVIDE CABLE TYPES AS IDENTIFIED IN THE AUDIO/VIDEO CABLE SCHEDULE.
- PROVIDE PATCH CABLES TO FULLY INTERCONNECT ALL SPECIFIED AND/OR OWNER FURNISHED EQUIPMENT WITH THE SPECIFIED CONNECTION PANELS, SYSTEM INTERFACES, AND MISCELLANEOUS EQUIPMENT.
- PROVIDE MANUFACTURER RECOMMENDED, AND INDUSTRY STANDARD, SIGNAL LEVELS AND COMMUNICATION PROTOCOLS THROUGHOUT ENTIRE SYSTEM REGARDLESS OF CABLE LENGTHS. PROVIDE ALL REQUIRED DISTRIBUTION AND PROCESSING EQUIPMENT, INCLUDING BUT NOT LIMITED TO SIGNAL DISTRIBUTION AMPLIFIERS, LINE AMPLIFIERS, LINE DRIVERS, EQUALIZING AMPLIFIERS, GROUND/HUM ISOLATORS, MATCHING/ISOLATION TRANSFORMERS, CONTROL BUS DEVICES, COMMUNICATIONS CONVERTERS, ETC.... WHETHER SHOWN IN THE SINGLE LINE DIAGRAMS OR NOT.
- PROVIDE POWER, CURRENT, AND/OR SIGNAL SENSORS FOR ALL EQUIPMENT WHERE IT IS NECESSARY FOR CORRECT CONTROL SYSTEM OPERATION.
- PROVIDE PRE-MANUFACTURED ADAPTER CABLES WHERE REQUIRED FOR MATING CABLE TO CONNECTORS. THESE WILL INCLUDE, BUT ARE NOT LIMITED TO, ADAPTERS WHICH MATE DVI OR DISPLAY PORT TO HDMI, STEREO AUDIO TO MONO AUDIO, CONNECTORS, AND OTHER SIMILAR TERMINATION AND MATING REQUIREMENTS.
- PROVIDE RACK MOUNT KITS FOR ALL RACK MOUNTED EQUIPMENT. WHERE MANUFACTURERS DO NOT PROVIDE RACK MOUNT KITS, PROVIDE CUSTOM RACK MOUNT KITS AS SPECIFIED.
- WHERE ANY CABLE IS INSTALLED IN A FASHION WHERE EXPOSED TO PUBLIC VIEW, INSTALL CABLE INSIDE THE SPECIFIED BRAIDED EXPANDABLE SLEEVING. EXAMPLES OF SUCH LOCATIONS INCLUDE, BUT ARE NOT LIMITED TO EQUIPMENT ITEMS ON LECTERNS AND CEILING MOUNTED PROJECTORS.
- PROVIDE PERMANENT, MECHANICALLY PRODUCED LABELS ON ALL CABLES AT CONNECTORS AND TERMINATION POINTS.
- CONTROL SPECIFIED DEVICES UTILIZING THE MOST SOPHISTICATED COMMUNICATIONS PROTOCOL AVAILABLE ON THE DEVICE TO BE CONTROLLED. ALWAYS USE RS-232 OR ETHERNET WHEN AVAILABLE.
- COVER JUNCTION BOXES WITH NO SPECIFIED AV DEVICES WITH BLANK NYLON COVER PLATE. COLOR TO MATCH ELECTRICAL DEVICES.
- PROVIDE THE SPECIFIED ETHERNET NETWORK SWITCHES IN ALL CONTROL SYSTEMS WHERE REQUIRED TO COMPLY WITH THE CONTROL SYSTEM SINGLE LINE DIAGRAMS SHOWN IN THE DRAWINGS, AND THE PROGRAMMING OUTLINE. CONNECT EVERY CONTROL SYSTEM PROCESSOR, TO THE OWNER'S ETHERNET NETWORK AND COMPLY WITH ALL PROGRAMING REQUIREMENTS.
- CONNECT ALL SPECIFIED AV EQUIPMENT TO 120 VAC VIA A SPECIFIED TRANSIENT VOLTAGE SURGE SUPPRESSOR INCLUDING ALL MONITORS AND PROJECTORS.
- SET EDID MINDERS FOR ALL EDID CAPABLE DEVICES TO A RESOLUTION DESIGNATED BY THE OWNER/DESIGNER DURING THE SYSTEM COMMISSIONING PROCESS.
- SET ALL PLAYBACK DEVICES (DVD, TUNERS, ETC...) TO RGB COLOR SPACE.
- PROVIDE THE PLENUM RATED EQUIVALENT CABLE IF CABLE IS INSTALLED IN AN AIR PLENUM.
- VERY CAREFULLY SUPPORT THE WEIGHT OF ALL HDMI CABLES CONNECTED TO RACK MOUNTED EQUIPMENT USING LOCKIT CABLE LACING BRACKETS AND RACK MOUNTED LACING BARS. PROFESSIONALLY DRESS, LACE, AND STRAIN RELIEF CABLES SO THAT NO WEIGHT FROM INDIVIDUAL HDMI CABLES IS TRANSFERRED TO INDIVIDUAL HDMI CONNECTORS. INSTALL THE SPECIFIED HDMI CABLE LACING BRACKETS ON ALL HDMI CONNECTORS IN COMPLIANCE WITH THE MANUFACTURER'S WRITTEN INSTRUCTIONS.
- SEE "EJ" SHEETS FOR AUDIO-VIDEO ROUGH-IN AND DEVICE LOCATIONS.



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# NOT FOR CONSTRUCTION

ARCHITECT / CONSULTANT



AUTHORITY HAVING JURISDICTION

PROJECT DESCRIPTION  
INTERMOUNTAIN  
HEALTHCARE KEY BANK  
TOWER LEVEL 09

36 S STATE STREET  
SALT LAKE CITY, UT 84111

SHEET NAME:  
AUDIO-VIDEO SYSTEMS  
EQUIPMENT LIST,  
SCHEDULES AND  
NOTES

REVISIONS  
MARK DATE DESCRIPTION

ISSUE DATE: 03/27/2020  
ISSUE TYPE: CD SET  
DRAWN BY: SJT  
CHECKED BY: AWA  
PROJECT#: 1953

SHEET NUMBER:  
**TA001**

3/27/2020 3:39:40 PM C:\Users\sam2\Documents\20190980-Elec Central\_sam2\XVCWG.rvt  
 ALL IDEAS, DESIGNS, ARRANGEMENTS AND PLANS INDICATED OR REPRESENTED BY THIS DRAWING ARE OWNED BY AND THE PROPERTY OF AJC ARCHITECTS PC AND WERE CREATED, EVOLVED, AND DEVELOPED FOR USE ON AND IN CONNECTION WITH THE SPECIFIED PROJECT. NONE OF THE IDEAS, DESIGNS, ARRANGEMENTS OR PLANS SHALL BE USED BY OR DISCLOSED TO ANY PERSON, FIRM, OR CORPORATION FOR ANY PURPOSE WHATSOEVER WITHOUT WRITTEN CONSENT OF AJC ARCHITECTS PC. ANY VARIATION FROM THE DIMENSIONS AND CONDITIONS SHOWN BY THESE DRAWINGS, WARNINGS, REPRODUCTION HEREOF IS A CRIMINAL OFFENSE UNDER 18 U.S.C. SEC. 906. UNAUTHORIZED DISCLOSURE MAY CONSTITUTE TRADE SECRET MISAPPROPRIATION IN VIOLATION OF 18 U.S.C. SEC. 1831 AND OTHER LAWS.

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C

B

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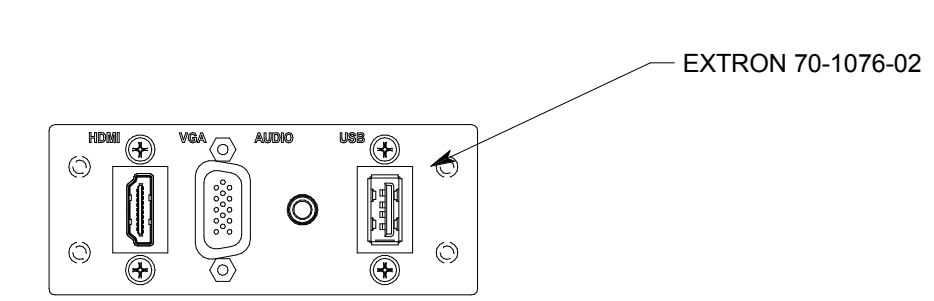
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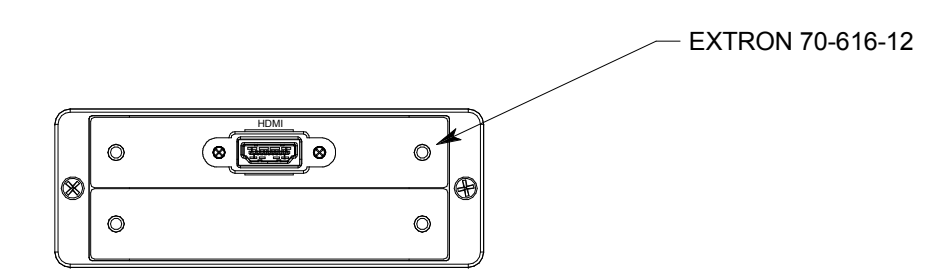
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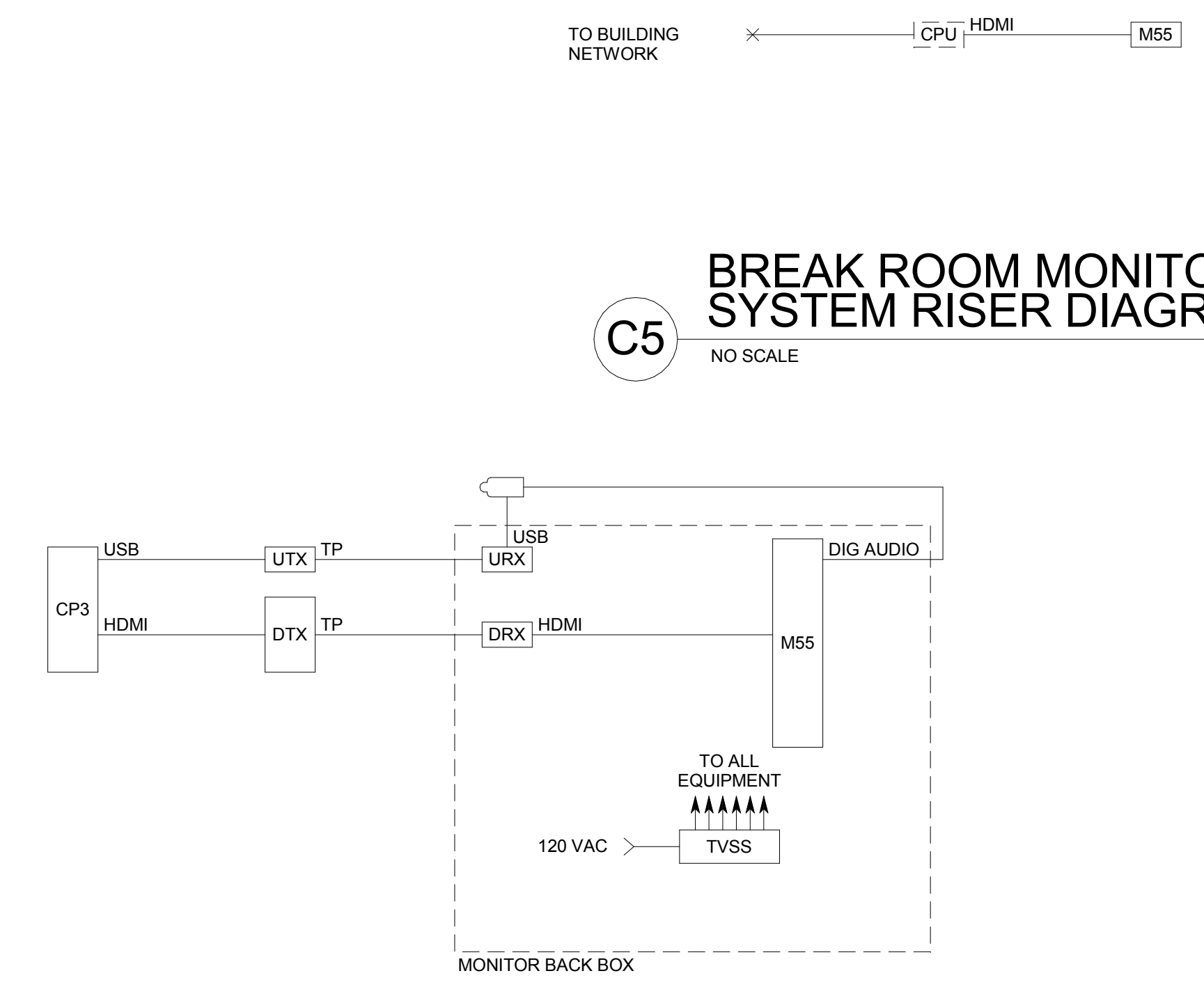
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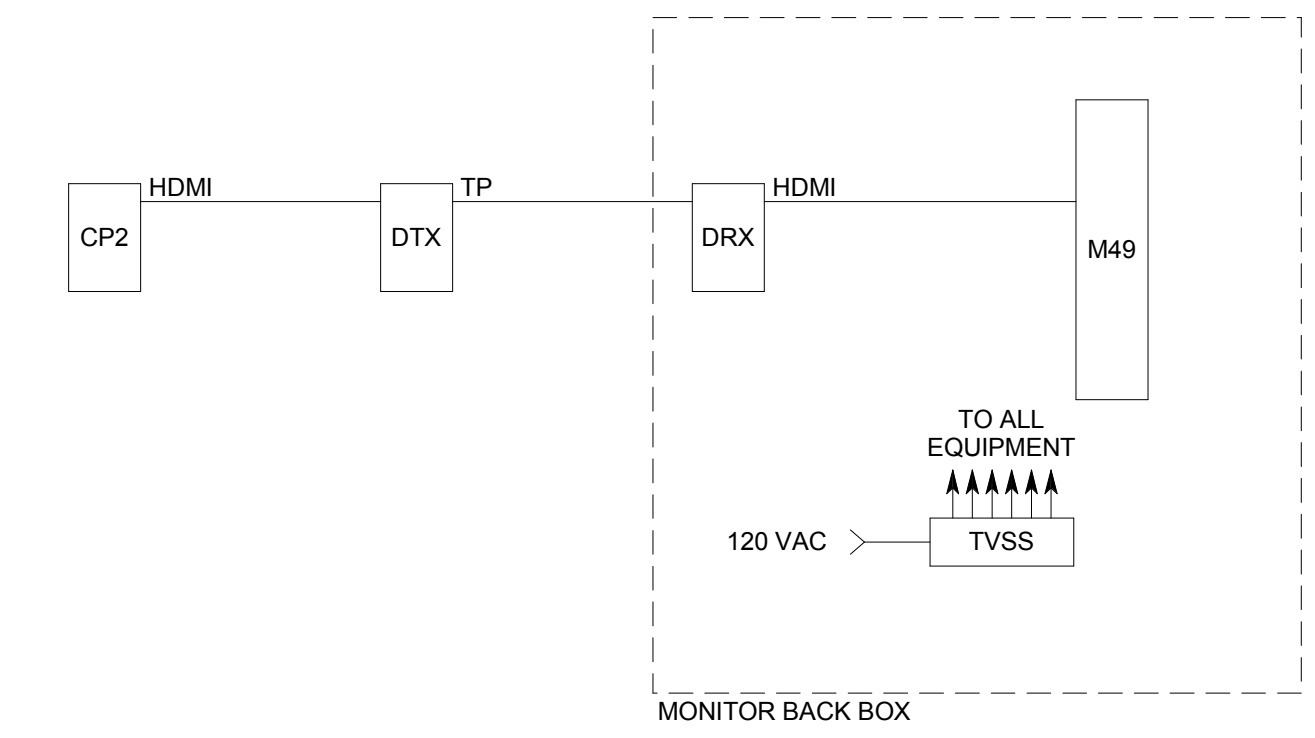
**B3** CONNECTION PANEL #3 DETAIL  
 NO SCALE



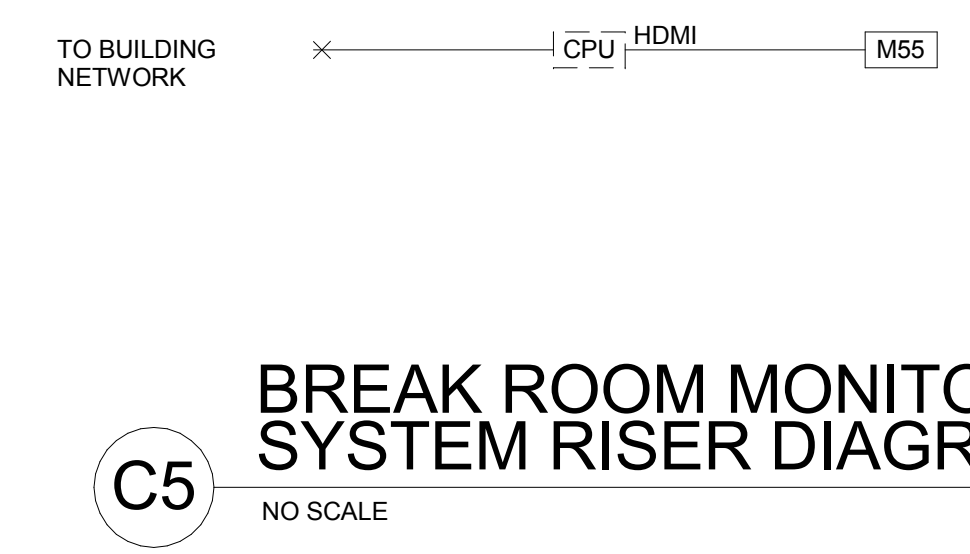
**A3** CONNECTION PANEL #2 DETAIL  
 NO SCALE



**B5** MEETING/COLLABORATION ROOM AV SYSTEM RISER DIAGRAM  
 NO SCALE (TYPICAL OF ROOMS 908, 918, 920, 921)



**A4** MEETING/COLLABORATION ROOM AV SYSTEM RISER DIAGRAM  
 NO SCALE (TYPICAL OF ROOMS 904, 905, 906, 913)



**C5** BREAK ROOM MONITOR SYSTEM RISER DIAGRAM  
 NO SCALE

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AUTHORITY HAVING JURISDICTION

PROJECT DESCRIPTION  
**INTERMOUNTAIN HEALTHCARE KEY BANK TOWER LEVEL 09**

**36 S STATE STREET  
 SALT LAKE CITY, UT 84111**

SHEET NAME:  
**AUDIO-VIDEO SYSTEMS DETAILS AND DIAGRAMS**

REVISIONS  
 MARK DATE DESCRIPTION

ISSUE DATE: **03/27/2020**  
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 DRAWN BY: **SJT**  
 CHECKED BY: **AWA**  
 PROJECT#: **1953**

SHEET NUMBER:

**TA601**