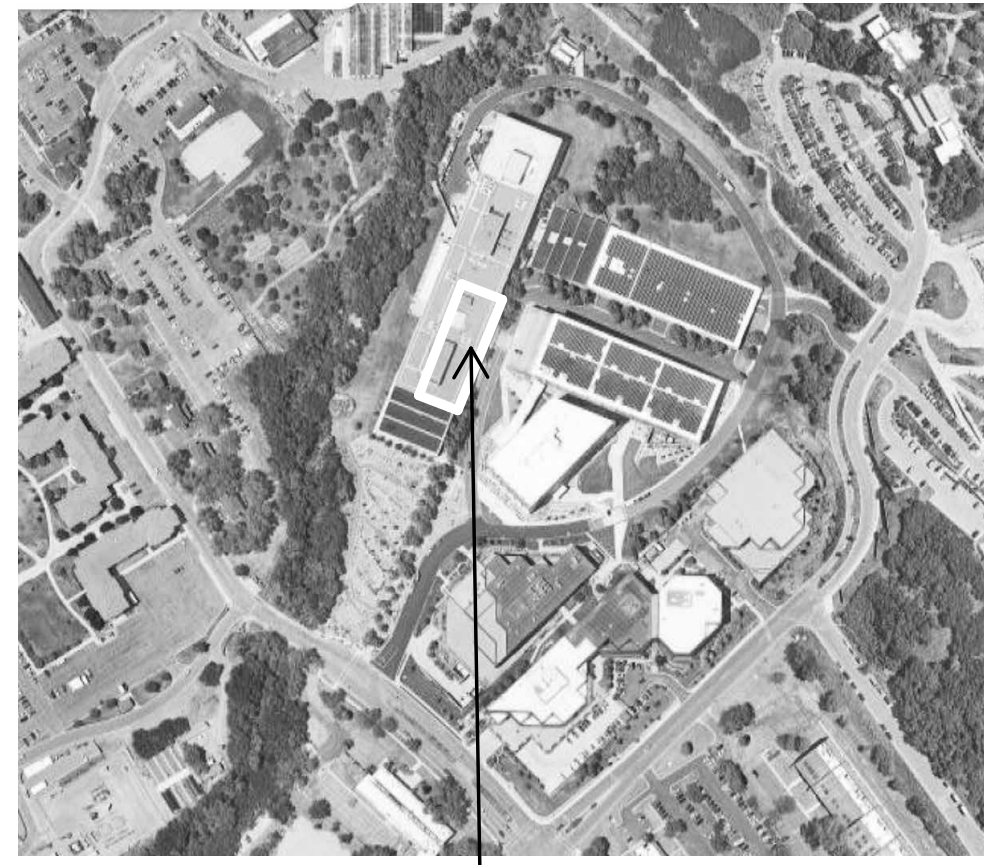


VICINITY



PROJECT LOCATION

SCOPE OF WORK

REMODEL OF APPROX. 5,900 SF OF EXISTING OFFICE SPACE ON THE 4TH FLOOR OF THE WILLIAMS BUILDING FOR THE GENETICS SCIENCE LEARNING CENTER.
REMOVAL OF EXISTING WALLS, PARTIAL RAISED FLOOR AND CEILINGS AS NOTED IN THE DEMO DRAWINGS.
SOME OF THE SPACES REQUIRE SPECIFIC ACOUSTIC MITIGATION DUE TO SOUND ENGINEERING AND RECORDING HAPPENING WITHIN THE SPACE.

NOTES

1. VERIFY ALL EXISTING CONDITIONS PRIOR TO COMMENCING WORK.
2. CONTRACTOR TO BECOME FAMILIAR WITH DRAWINGS AND SPECIFICATIONS. CONTRACTOR TO BECOME FAMILIAR WITH UNIVERSITY OF UTAH POLICIES AND EXPECTATIONS.
3. PATCH AND REPAIR ALL EXISTING AREAS AS NECESSARY.
4. PROTECT EXISTING CONDITIONS. CONTRACTOR IS RESPONSIBLE FOR SECURING THE PROJECT SITE AND BUILDING AT ALL TIMES. CONTRACTOR SHALL PROVIDE TEMPORARY BARRIERS AS NEEDED TO PROTECT OCCUPIED AREAS. ALL AREAS OF THE CONSTRUCTION SITE SHALL BE MADE SAFE AT THE END OF THE WORK DAY.
5. CONTRACTOR SHALL COORDINATE ANY UTILITY SHUT DOWNS THAT MAY DISRUPT SERVICE TO OTHER BUILDINGS WITH OWNERS PRIOR TO SHUTDOWN.
6. TAKE ALL PRECAUTIONS DURING CONSTRUCTION TO MAINTAIN FIRE PROTECTION AND PROTECT CONSTRUCTION CREW.
7. CONTRACTOR TO TAKE ALL PRECAUTIONS TO AVOID CARRYING OUT OPERATIONS THAT ARE DISRUPTIVE TO THE FLOOR BELOW DURING STANDARD BUSINESS HOURS. COORDINATE WITH BUILDING MANAGER.
8. REFER TO ELECTRICAL DRAWINGS FOR NEW POWER AND DATA REQUIREMENTS.
9. CONTRACTOR IS TO ABIDE BY THE UTAH DIVISION OF AIR QUALITY REQUIREMENTS AND CONTACT THE UTAH DIVISION OF AIR QUALITY AT (801) 536-4000.

ALTERNATES

- BASE BID
1. EXISTING NORTH CIRCULATION 4C200 MILLWORK/STORAGE DOORS TO REMAIN. PAINT NEW STUDY/FP WALLS, P1.
 2. STUDY/FP WEST WALL AT CONF. ROOM 4S130 WITH HOLLOW METAL FRAME WOOD DOOR + SIDELITE. PAINT WALL, P1.
- BID ALTERNATE 1
- REPLACE MILLWORK/STORAGE DOORS WITH NEW LAMINATE DOORS. SALVAGE HARDWARE FOR RE-USE. LAMINATE TO RUN ENTIRE LENGTH OF NORTH CIRCULATION 4C200. SEE SHEETS D100, A200, A201, A500 + A601 FOR MORE INFORMATION.
- BID ALTERNATE 2
- STOREFRONT WALL (SF4) AT CONF. ROOM 4S130 WITH MESH PRIVACY DRAPE. SEE SHEETS A100, A201, A500, A600 + A601 FOR MORE INFORMATION.

GENETIC SCIENCE LEARNING CENTER

CLIENT CONTACT:
UNIVERSITY OF UTAH
ERIC BERMUDEZ
PLANNING AND DESIGN CONSTRUCTION
SALT LAKE CITY, UT 84112



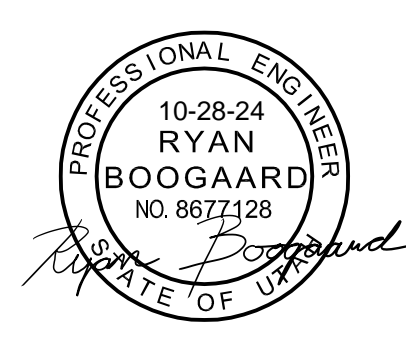
295 CHIPETA WAY
SALT LAKE CITY, UT
84108
GSLC
PROJECT #: UJ22812

CONSULTANTS:

ELECTRICAL ENGINEER
SPECTRUM ENGINEERS
LANCE KOBAYASHI, PE
324 STATE ST SUITE 400
SLC, UT 84111
801-328-5151

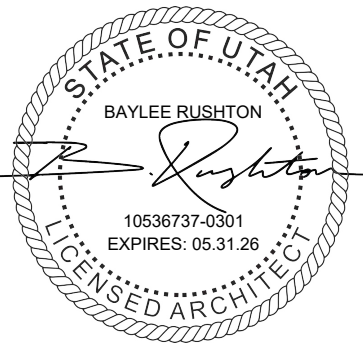


MECHANICAL ENGINEER
SPECTRUM ENGINEERS
RYAN BOOGAARD, PE
324 STATE ST SUITE 400
SLC, UT 84111
801-401-8420



STUDIO LP

331 S RIO GRANDE ST
SUITE 307
SLC, UT 84101
PH: 801.739.5569
BAYLEE@STUDIOLPARCH.COM



No	Description	Date

GRAPHIC SYMBOLS

GRID

GRID LINES

DETAIL SYMBOL
DETAIL NUMBER/
SHEET WHERE DETAIL IS DRAWN

BUILDING SECTION SYMBOL
SECTION REFERENCE/
SHEET WHERE SECTION IS DRAWN

WALL SECTION SYMBOL
SECTION REFERENCE/
SHEET WHERE SECTION IS DRAWN

EXTERIOR ELEVATION SYMBOL
ELEVATION IDENTIFICATION
SHEET WHERE ELEVATION IS DRAWN

INTERIOR ELEVATION SYMBOL
ELEVATION IDENTIFICATION
SHEET WHERE ELEVATION IS DRAWN

ELEVATION CONTROL POINT OR DATUM POINT

D1 DOOR NUMBER

W1 WINDOW OR STOREFRONT NUMBER

A1 WALL TYPE

NAME
101 ROOM NAME
101 ROOM NUMBER

REVISION

KEYNOTE

VIEW NAME SYMBOL
VIEW NUMBER/
SHEET WHERE VIEW IS LOCATED/
VIEW NAME/
VIEW SCALE/
REFERENCING SHEET

SHEET INDEX

SHEET NUMBER	SHEET NAME
GENERAL	
G100	TITLE PAGE
G101	CODE ANALYSIS + CHECKLISTS
G102	CODE PLANS
DEMOLITION	
D100	DEMOLITION PLANS
ARCHITECTURE	
A100	PLAN + RCP
A102	FINISH PLAN
A120	FFEE PLAN
A200	ENLARGED PLAN + ELEVATIONS
A201	INTERIOR ELEVATIONS
A500	DETAILS
A501	FLOOR + CEILING DETAILS
A515	MILLWORK
A516	MILLWORK
A517	MILLWORK
A600	DOOR + WINDOW SCHEDULE
A601	DOOR + WINDOW DETAILS
A900	INTERIOR RENDERINGS
MECHANICAL	
ME01	MECHANICAL COVER SHEET
ME01	MECHANICAL SCHEDULES
MH01	LEVEL 4 OVERALL MECHANICAL PLAN
PE001	PLUMBING COVER SHEET
PE01	PLUMBING SCHEDULES
PL 01	LEVEL 4 PLUMBING PLANS
ELECTRICAL	
EE001	ELECTRICAL COVER SHEET
EE01	TYPICAL MOUNTING DETAILS
EE02	TYPICAL LABELING DETAILS
EE03	TELECOM CABLE TRAY DETAILS
ED01	FOURTH FLOOR ELECTRICAL DEMOLITION PLAN
ED02	FOURTH FLOOR ELECTRICAL DEMOLITION RCP PLAN
EP101	FOURTH FLOOR POWER PLAN
EP102	FOURTH FLOOR UNDERFLOOR BASKET TRAY
EP201	FOURTH FLOOR BASKET TRAY PLAN
EP01	PARTIAL DEMOLITION ONE-LINE DIAGRAM
EP02	PARTIAL NEW CONSTRUCTION ONE-LINE DIAGRAM
EL 01	FOURTH FLOOR LIGHTING PLAN
EL01	LIGHTING CONTROL SCHEDULE
EL02	LIGHTING FIXTURE SCHEDULE & DETAILS
EY101	FOURTH FLOOR AUXILIARY PLAN
EY102	FOURTH FLOOR AUXILIARY RISERS

NOTE:
REFERENCING SHEET PARAMETER IS ONLY SHOWN FOR SPECIFIC VIEWS/DETAILS TO ASSIST IN FINDING WHICH SHEET THE DETAIL IS REFERENCED FROM. REFERENCING SHEET INDICATES ONE LOCATION FOR THE DETAIL BUT DETAIL COULD OCCUR IN MULTIPLE LOCATIONS.

MATERIALS/LEGEND

CONCRETE MASONRY UNIT

FACE BRICK

CONCRETE (POURED IN PLACE)

GYPSUM BOARD OR SETTING BEDS

INSULATION (BATT & BLANKET)

INSULATION (RIGID/SEMI-RIGID)

PLYWOOD

CONTINUOUS ROUGH WOOD

BLOCKING, ROUGH WOOD

METAL (LARGE SCALE)

GRAVEL

ABBREVIATIONS

#	NUMBER	EXPAN.	EXPANSION	P.S.F.	POUNDS PER SQUARE FOOT
@	AT	EXT.	EXTERIOR		
CL	CENTER LINE	F.D.	FLOOR DRAIN	P.S.I.	POUNDS PER SQUARE INCH
ABV.	ABOVE	FDN.	FOUNDATION		
A.F.F.	ABOVE FINISH FLOOR	FDTN.	FOUNDATION	QTY.	QUANTITY
A.I.A.	AMERICAN INSTITUTE OF ARCHITECTS	F.F.	FINISH FLOOR	REF.	REFER
ALUM.	ALUMINUM	F.V.	FIELD VERIFY	REF.	REFER
APPROX.	APPROXIMATE	FIN.	FINISH	REF.	REFER
ARCH.	ARCHITECTURAL	FLR.	FLOOR	REQ'D	REQUIRED
BD.	BOARD	FT.	FEET	RM.	ROOM
B.L.D.	BUILDING	FTG.	FOOTING	SCHED.	SCHEDULE
B.O.	BOTTOM OF	GOVT.	GOVERNMENT	SHT.	SHEET
BOT.	BOTTOM	GWB.	GYPSUM WALL BOARD	SM.	SIMILAR
BTWN.	BETWEEN	GYP. BD.	GYPSUM WALL BOARD	SPEC.	SPECIFICATION
CLG.	CEILING	HORIZ.	HORIZONTAL	STD.	STANDARD
CLR.	CLEAR	HT.	HEIGHT	STIFF.	STIFFENER
COL.	COLUMN	HVAC	HEATING/VENTILATION/AIR CONDITIONING	STR.	STRUCTURAL
CONC.	CONCRETE	IN.	INCHES	SUPER.	SUPERVISOR
CONC.	CONCRETE	INFO.	INFORMATION	SUSP.	SUSPENDED
CONT.	CONTINUOUS	MAX.	MAXIMUM	THRU.	THROUGH
CONST.	CONSTRUCTION	MCH.	MECHANICAL	T.O.	TOP OF
COORD.	COORDINATE	MIN.	MINIMUM	T.O.W.	TOP OF WALL
DEPT.	DEPARTMENT	MISC.	MISCELLANEOUS	TYP.	TYPICAL
DET.	DETAIL	N.C.	NOT IN CONTRACT	U.N.O.	UNLESS NOTED OTHERWISE
DIA.	DIAMETER	NO.	NUMBER	VERT.	VERTICAL
DTL.	DETAIL	N.T.S.	NOT TO SCALE	W.	WOOD
DWGS.	DRAWINGS	O.C.	ON CENTER	W.D.	WELDED WIRE
EA.	EACH	O.D.	OUTSIDE DIAMETER	W.W.F.	WELDED WIRE FABRIC
ELEV.	ELEVATION	OPP.	OPPOSITE		
EQ.	EQUAL				
EXIST.	EXISTING				

Conditional Approval:
Window WN2 in Sound Studio 4S120A shall be tempered glazing.
IBC 2406.4.2



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DFCM SEAL

CODE PLAN LEGEND

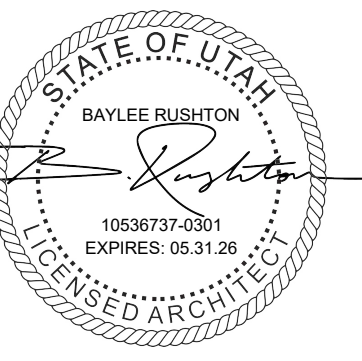
STUDIO LP

- NO. OF OCCUPANTS
- TOTAL NO. OF OCCUPANTS AT EXIT
- STAIR: XX OCC
X'-X" R
X'-X" P
LOCATION (EXIT WITH FACTOR):
OCCUPANT NUMBER
REQUIRED STAIR WIDTH
PROVIDED STAIR WIDTH
- - - EXITING PATH OF TRAVEL
- - - ACCESSIBLE TRAVEL PATH
- - - FREIGHT ELEVATOR ACCESS
- FEC FIRE EXTINGUISHER (EXISTING)
- 2 HR. RATED WALL

OCC LOAD/FUNCTION

- BUSINESS
- ASSEMBLY (UNCONCENTRATED)
- ACCESSORY STORAGE, EQUIP ROOM
- CIRCULATION
- NOT IN SCOPE
- OCCUPANCY IS TYPE B UNLESS NOTED OTHERWISE

331 S RIO GRANDE ST
SUITE 307
SLC, UT 84101
PH: 8017395569
BYELEGSTUDIOARCH.COM



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GENETIC SCIENCE
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CONSTRUCTION DOCUMENTS

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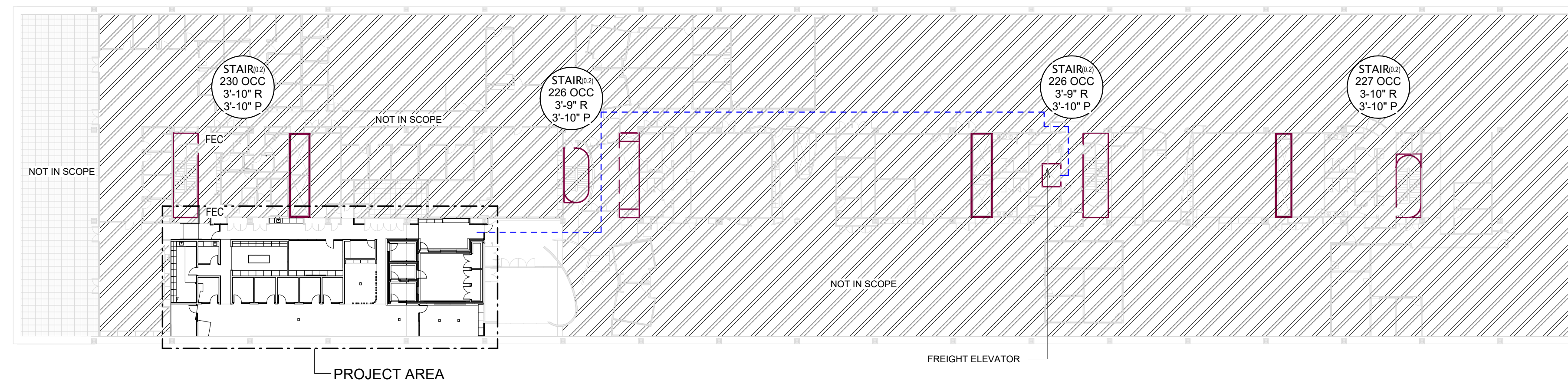


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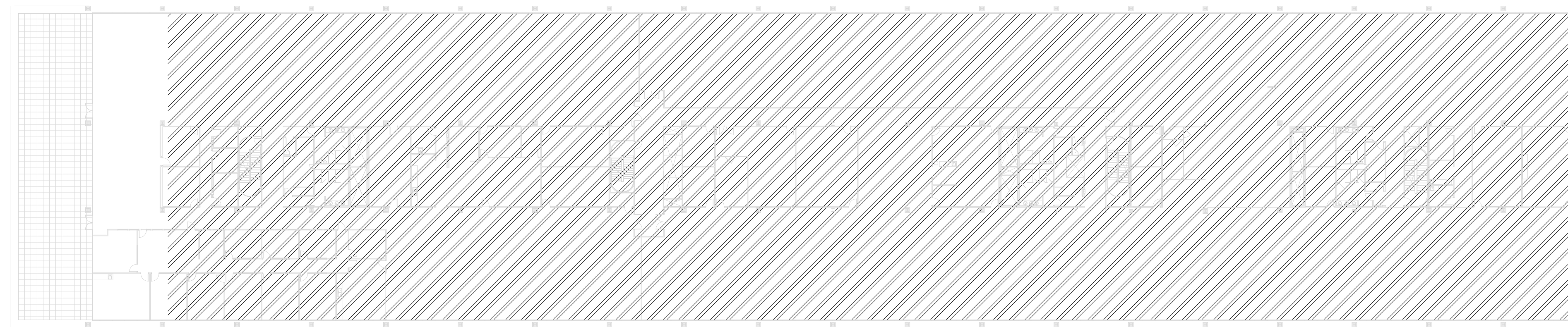
22812
10.30.2024

CODE PLANS

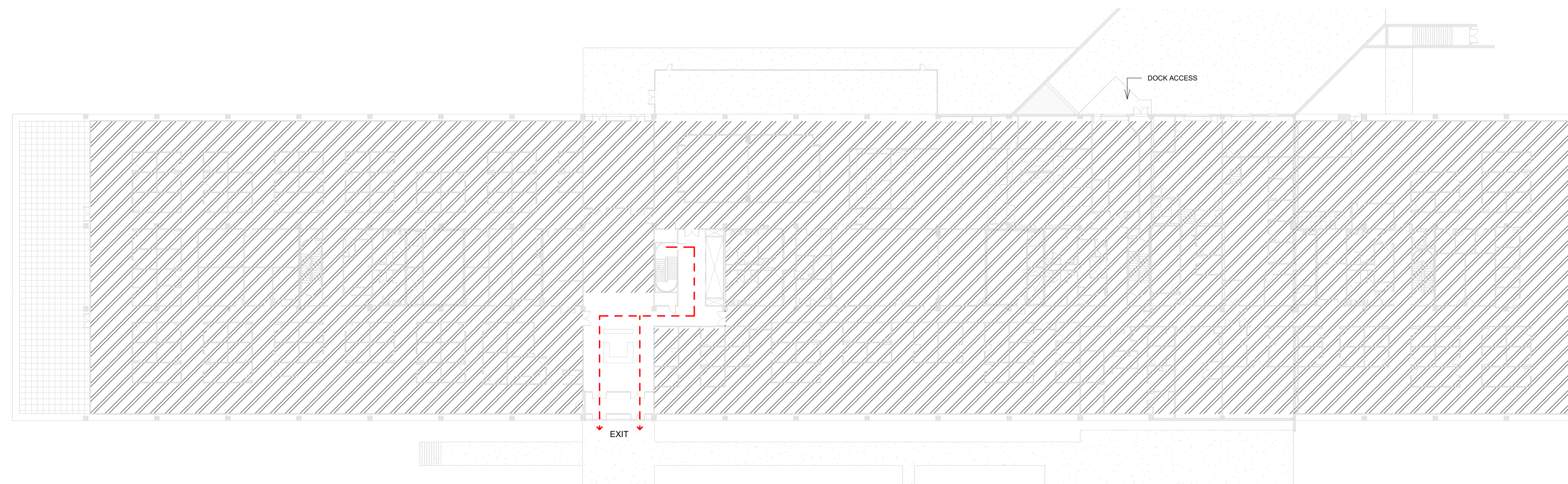
G102
Scale As indicated



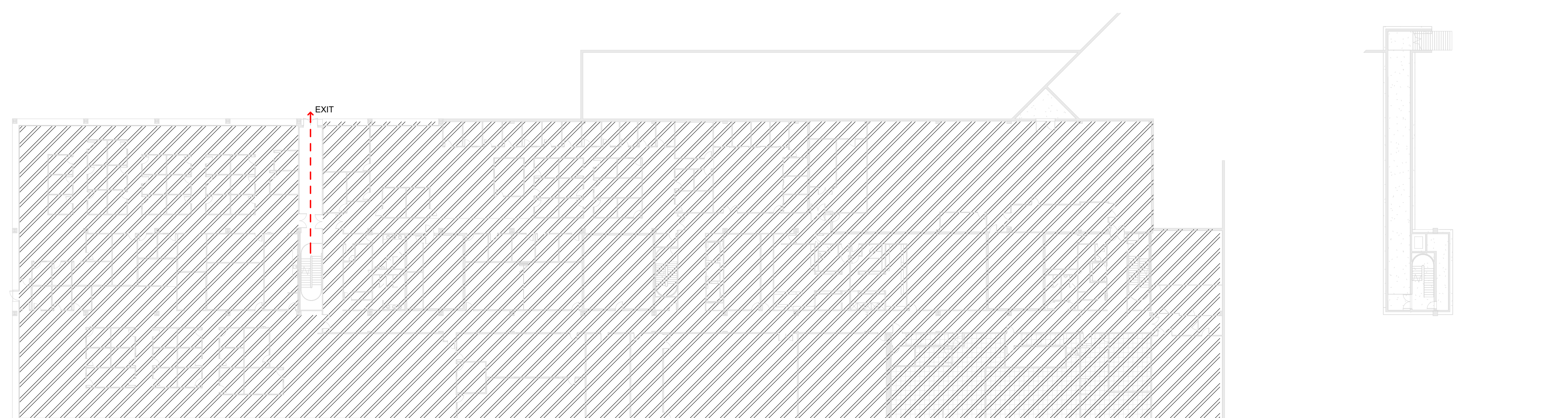
5 LEVEL 4 CODE PLAN
G102 1/32" = 1'-0"



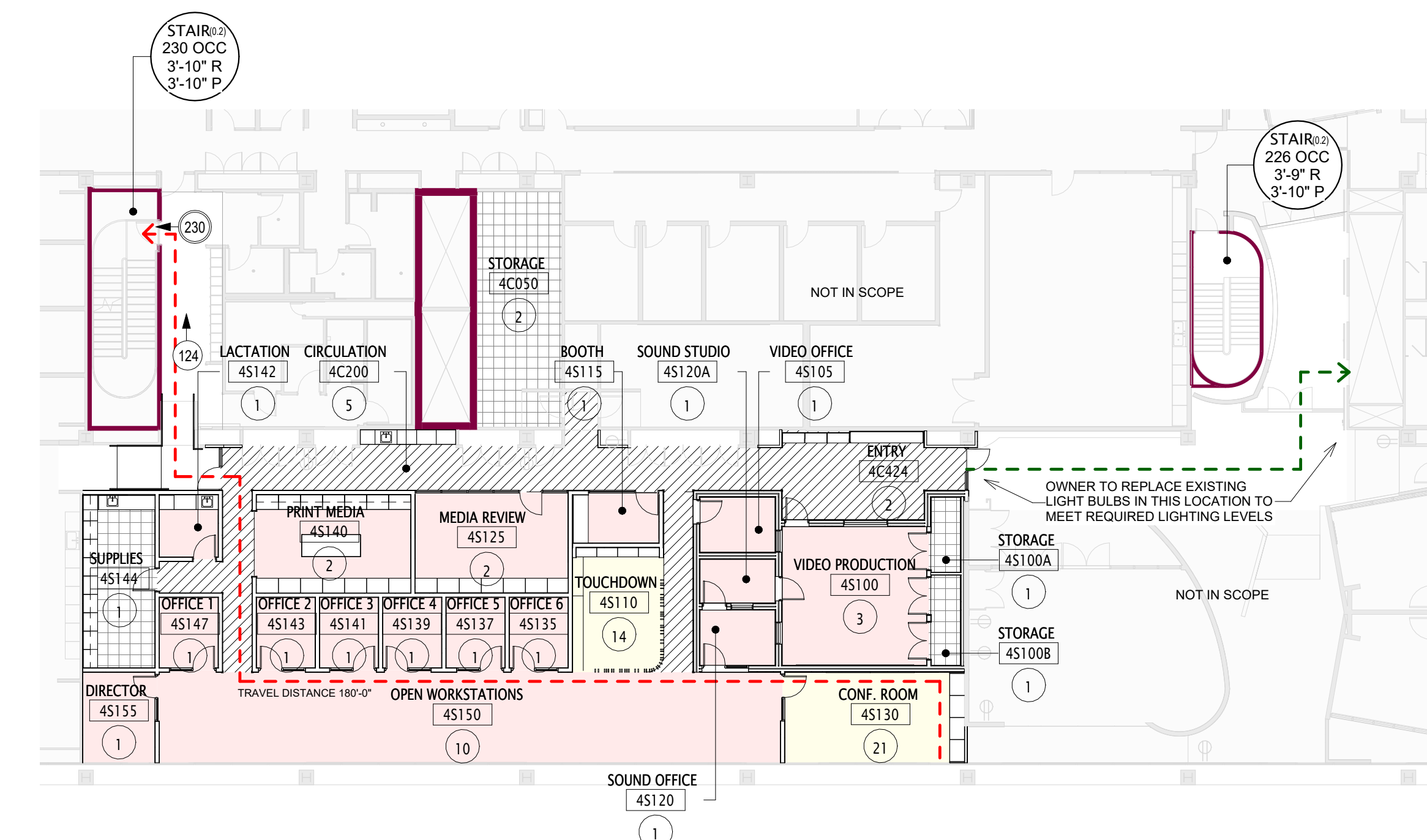
4 LEVEL 3 CODE PLAN - FOR REFERENCE ONLY
G102 1/32" = 1'-0"



3 LEVEL 2 CODE PLAN - FOR REFERENCE ONLY
G102 1/32" = 1'-0"



2 LEVEL 1 CODE PLAN - FOR REFERENCE ONLY
G102 1/32" = 1'-0"



1 LEVEL 4 OCCUPANCY CODE PLAN
G102 1/16" = 1'-0"





COMM RM CIRCULATION



BEHIND BREAKROOM



ENTRANCE HALLWAY, FACING EAST



EXISTING OFFICES, FACING EAST



HALLWAY FROM BREAK ROOM, FACING EAST



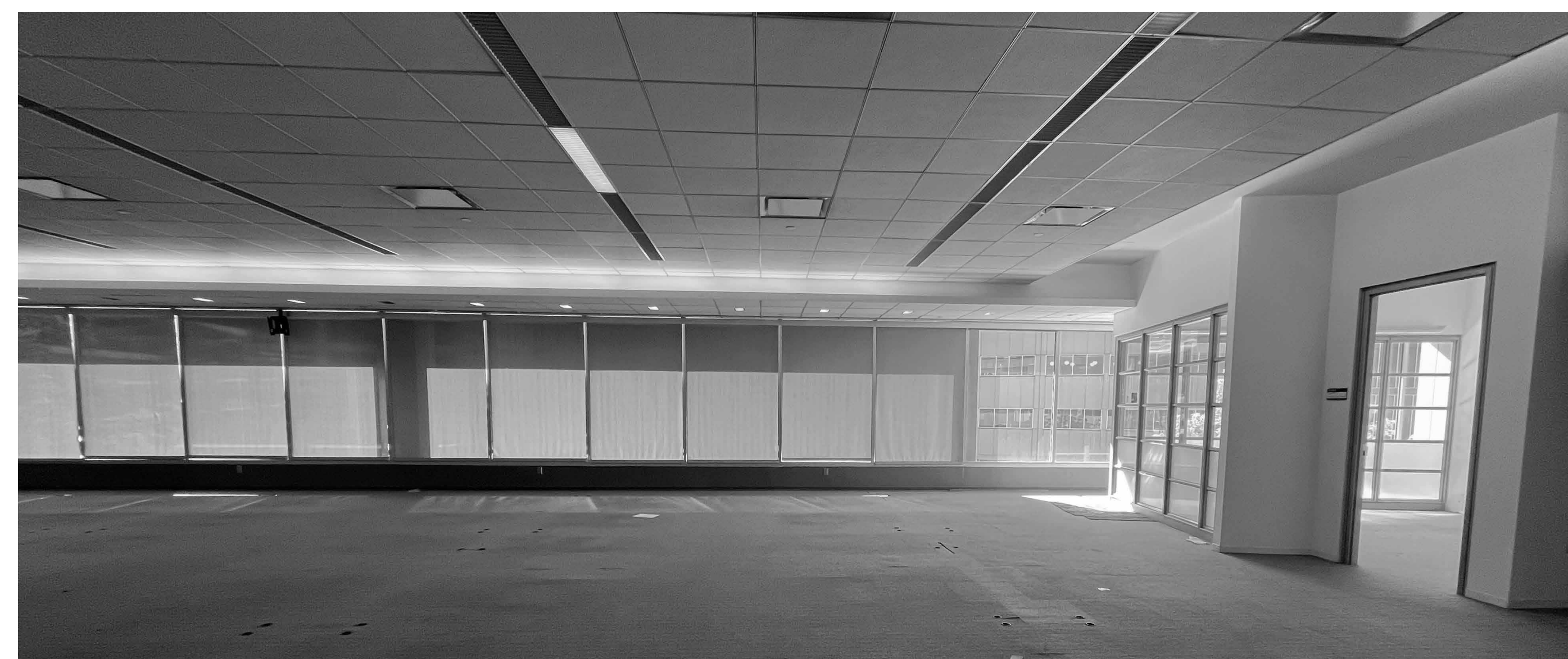
STORAGE AND BAR, FACING NORTH



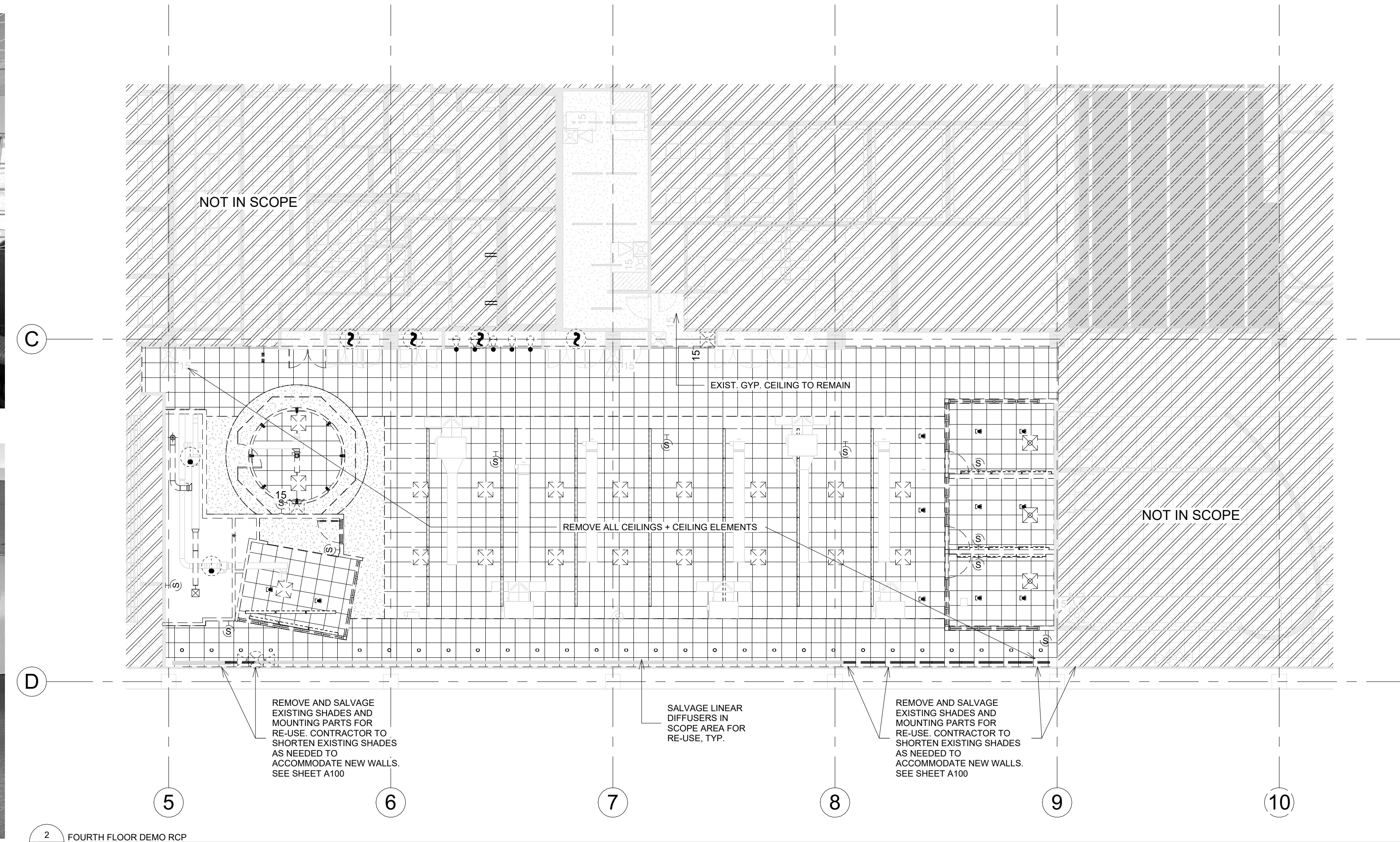
GLASS OFFICE, FACING WEST



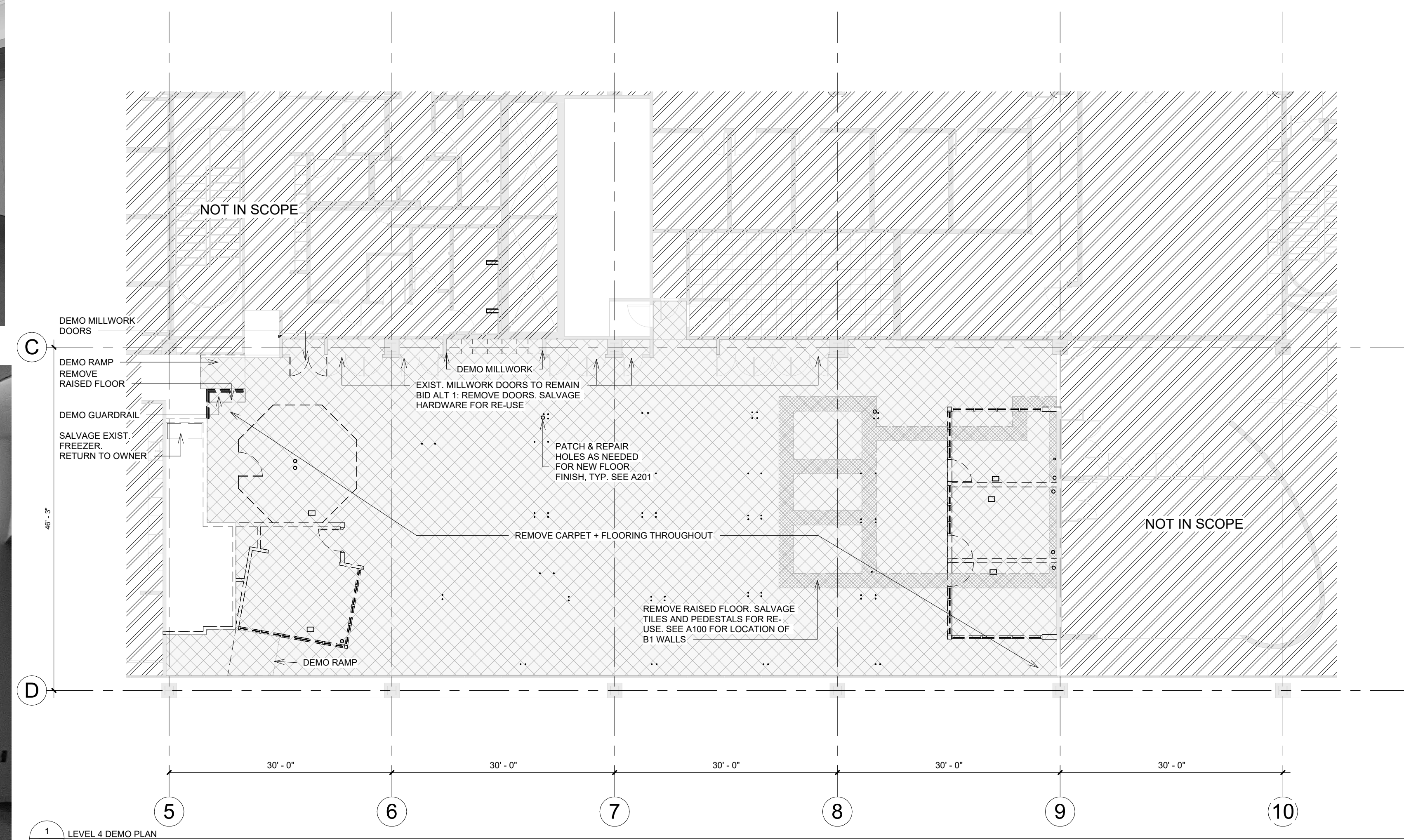
EXISTING OFFICES, FACING WEST



OPEN SPACE WINDOWS, FACING SOUTH



2 FOURTH FLOOR DEMO RCP
D100 3/32" = 1'-0"



1 LEVEL 4 DEMO PLAN
D100 3/32" = 1'-0"

BASE BID / BID ALTERNATE 1

DEMOLITION LEGEND

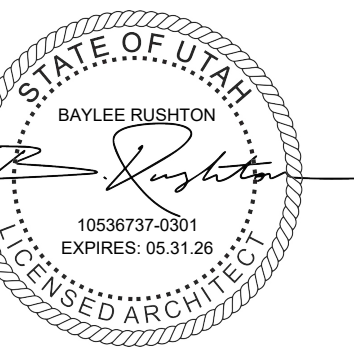
- TO BE REMOVED
- DOOR & FRAME TO BE REMOVED
- EXISTING TO REMAIN
- ACCESS FLOOR TO BE REMOVED
- CARPET TILE TO BE REMOVED
- NOT IN SCOPE

DEMOLITION NOTES

1. PROTECT EXISTING WALLS AND FLOORING THAT WILL REMAIN.
2. FIRE SPRINKLER PIPE TO REMAIN.
3. PATCH AND REPAIR EXISTING CONDITIONS DAMAGED DURING CONSTRUCTION.
4. BUILDING IS OCCUPIED DURING CONSTRUCTION. IT IS CONTRACTOR'S RESPONSIBILITY TO PROVIDE A SAFE CONSTRUCTION BARRIER AND EXIT THROUGH BUILDING AS NEEDED.
5. ALL EXISTING BUILDING PRIMARY STRUCTURE TO REMAIN.
6. PROTECT SHADES AND PULL CORDS. COORDINATE REPLACEMENT OF DAMAGED SHADES WITH OWNER.
7. ALL CONDUIT, PIPES, AND MECHANICAL ELEMENTS THAT ARE NO LONGER IN USE TO BE REMOVED. TRACE, TRACK ALL ELEMENTS PRIOR TO REMOVAL TO VERIFY THAT THEY AREN'T BEING USED BY OTHER ROOMS/AREAS.
8. BUILDING IS OCCUPIED DURING CONSTRUCTION. IT IS CONTRACTOR'S RESPONSIBILITY TO PROVIDE A SAFE CONSTRUCTION BARRIER AND EXIT THROUGH THE BUILDING AS NEEDED.

STUDIO LP

331 S RIO GRANDE ST
SUITE 307
SLC, UT 84101
PH: 8017395569
STUDIO@STUDIOLPARCH.COM



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CONSTRUCTION DOCUMENTS

DFCM SEAL

No	Description	Date



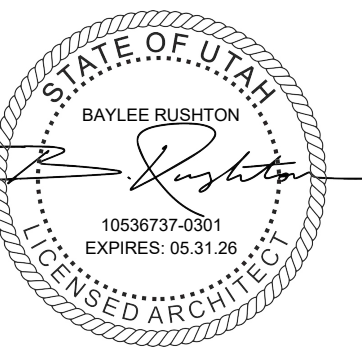
GSCLC
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SALT LAKE CITY, UT 84108

22812
10.30.2024

DEMOLITION
PLANS

D100
Scale As indicated





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GENETIC SCIENCE LEARNING CENTER

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GLSC
295 CHIPETA WAY
SALT LAKE CITY, UT 84108

22812
10.30.2024

PLAN + RCP

A100

Scale As indicated

PLAN LEGEND

- EXISTING TO REMAIN
- NOT IN SCOPE
- APPROX. AREA OF NEW RAISED FLOOR TO MATCH EXISTING
- PATCH RAISED FLOOR AT NEW FLOOR TO DECK WALLS
- FB - FLOOR BOX
- CG - CORNER GUARD

PLAN NOTES

- ARCHITECTURAL NOTES:
- VERIFY ALL EXISTING CONDITIONS PRIOR TO COMMENCING WORK
 - CONTRACTOR TO BECOME FAMILIAR WITH ALL DRAWINGS + EXISTING CONDITIONS, BRING DISCREPANCIES TO ARCHITECT IN A TIMELY FASHION PRIOR TO PROCEEDING WITH WORK
 - PROVIDE TEMPORARY DUST PROTECTION @ ALL AREAS OF CONSTRUCTION.
 - PROTECT SHAKES AND PULL CORDS, COORDINATE REPLACEMENT OF DAMAGED SHAKES WITH OWNER

CEILING LEGEND

- GYPSON BOARD CEILING
- AP1/MS1 - 2' x 2' ACOUSTIC CEILING
- AP2/MS1 - 2' x 4' ACOUSTIC CEILING
- AP3 / MS1 - 2' x 2' HIGH CAC ACOUSTIC CEILING
- AF1/MS2 - 2X2' FELT CEILING IN T-GRID
- 2X2 LIGHT FIXTURE
- ACCESS PANEL
- 2X4 LIGHT FIXTURE
- 1X4 LIGHT FIXTURE
- LINEAR LIGHT FIXTURE
- RECESSED CAN LIGHT FIXTURE
- FELT - F2 - COLOR: PINK
- FELT - F4 - COLOR: ORANGE

CEILING NOTES

- ARCHITECTURAL:
- FIELD VERIFY ALL CONDITIONS PRIOR TO COMMENCING WORK
 - ALL CEILING HEIGHTS MEASURED FROM FINISHED FLOOR

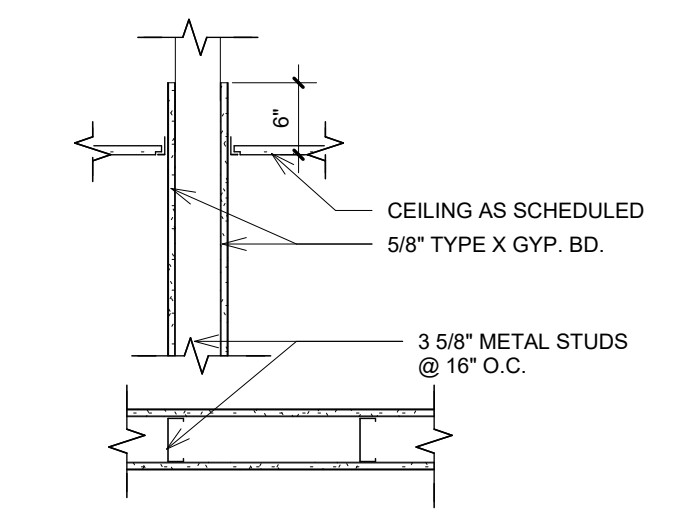
MECHANICAL NOTES:

- ALIGN ALL DIFFUSERS AS SHOWN
- REFER TO MECH. DRAWINGS

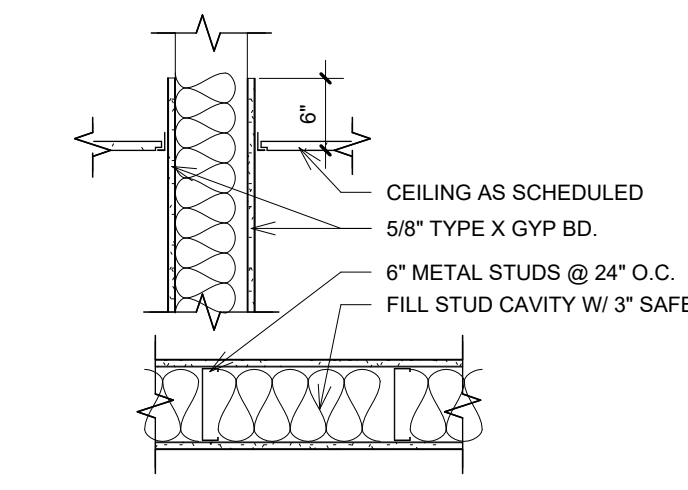
ELECTRICAL:

- ALIGN ALL LIGHT FIXTURES AND CEILING ELEMENTS AS SHOWN
- REFER TO ELEC. DRAWINGS

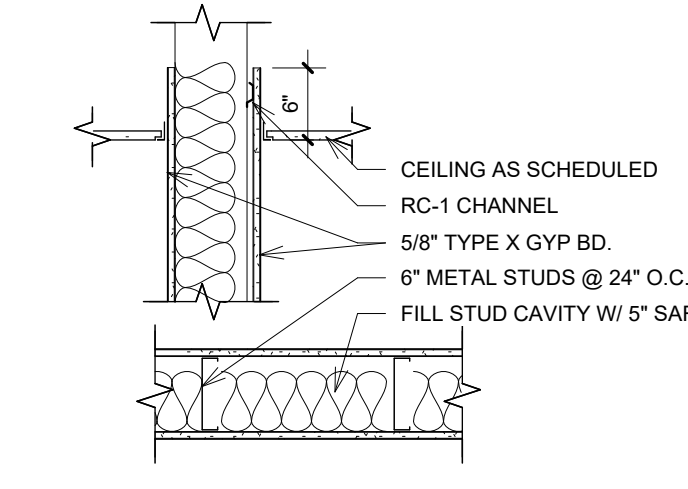
WALL TYPES



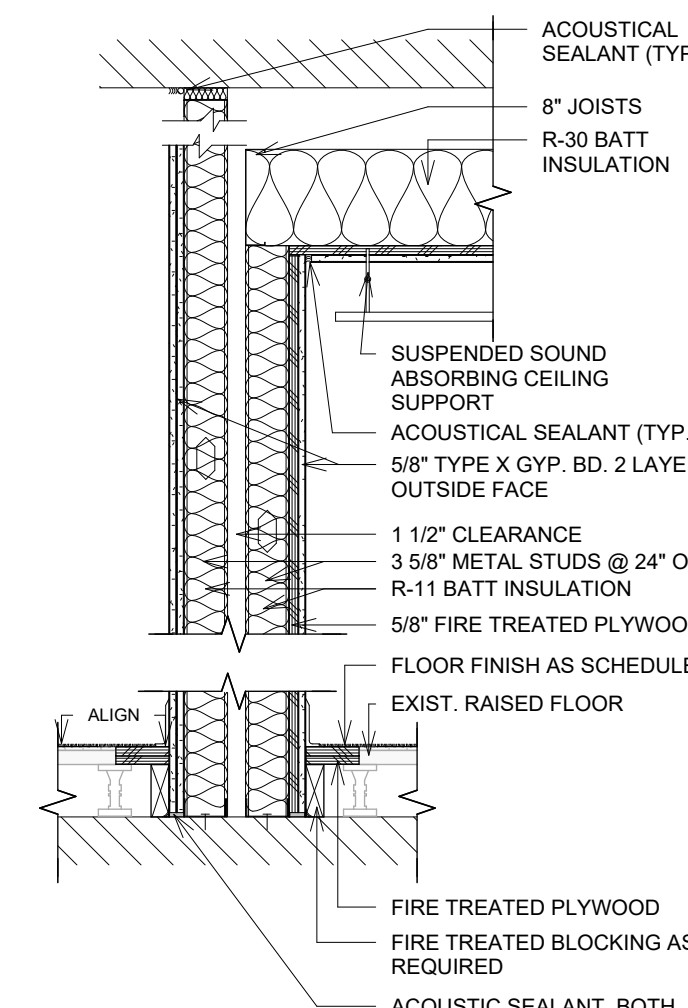
A1
A2 SIMILAR TO A1 WITH 6\"/>



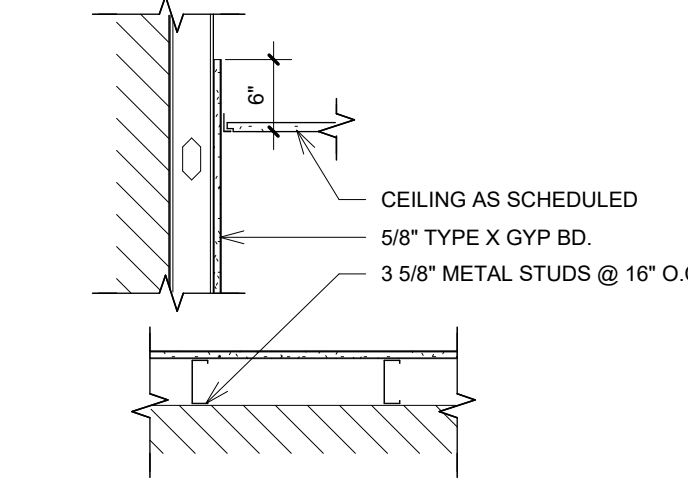
A3
STC 40
TEST # SA-870717



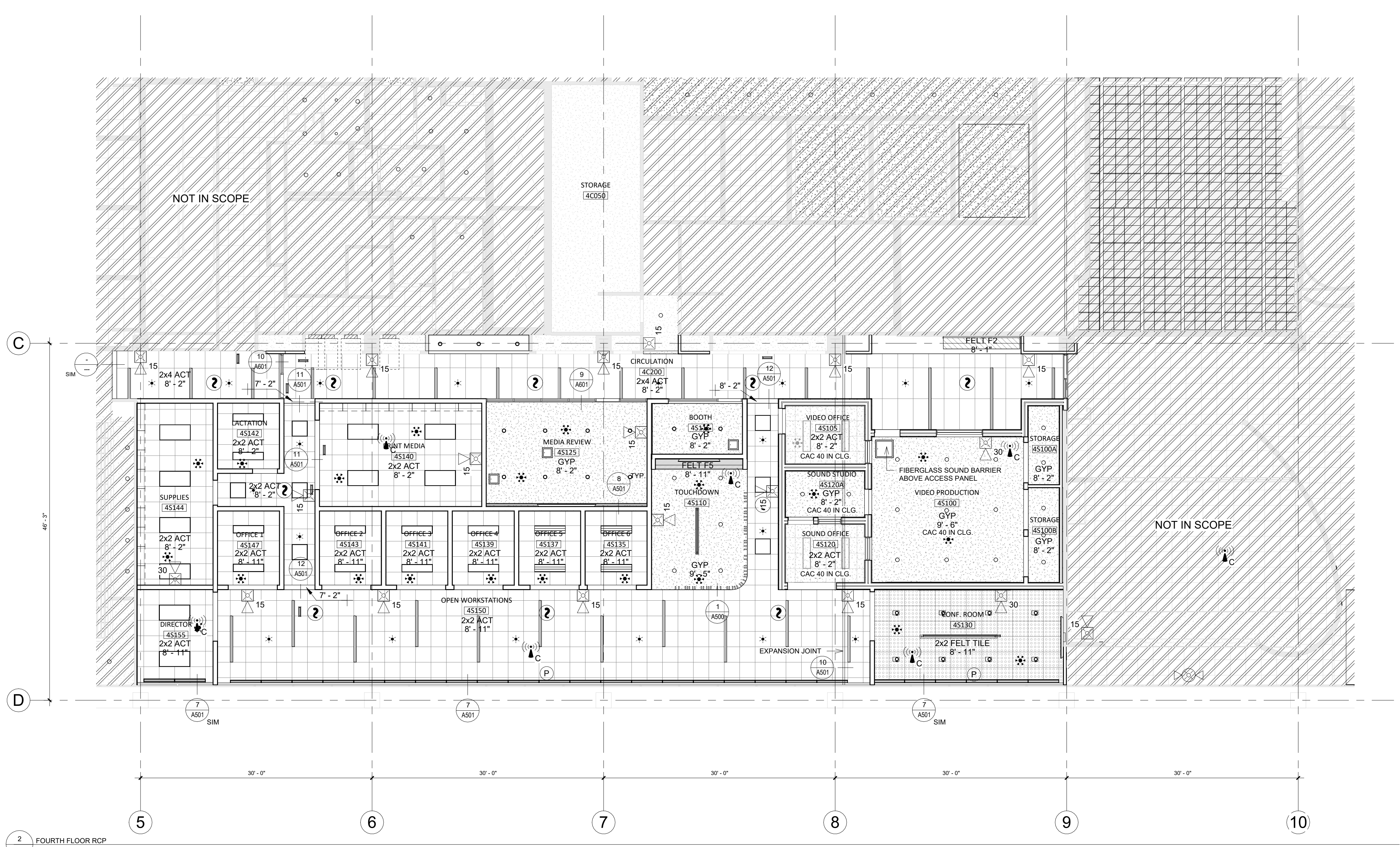
A4
STC 56
TEST # SA-870717



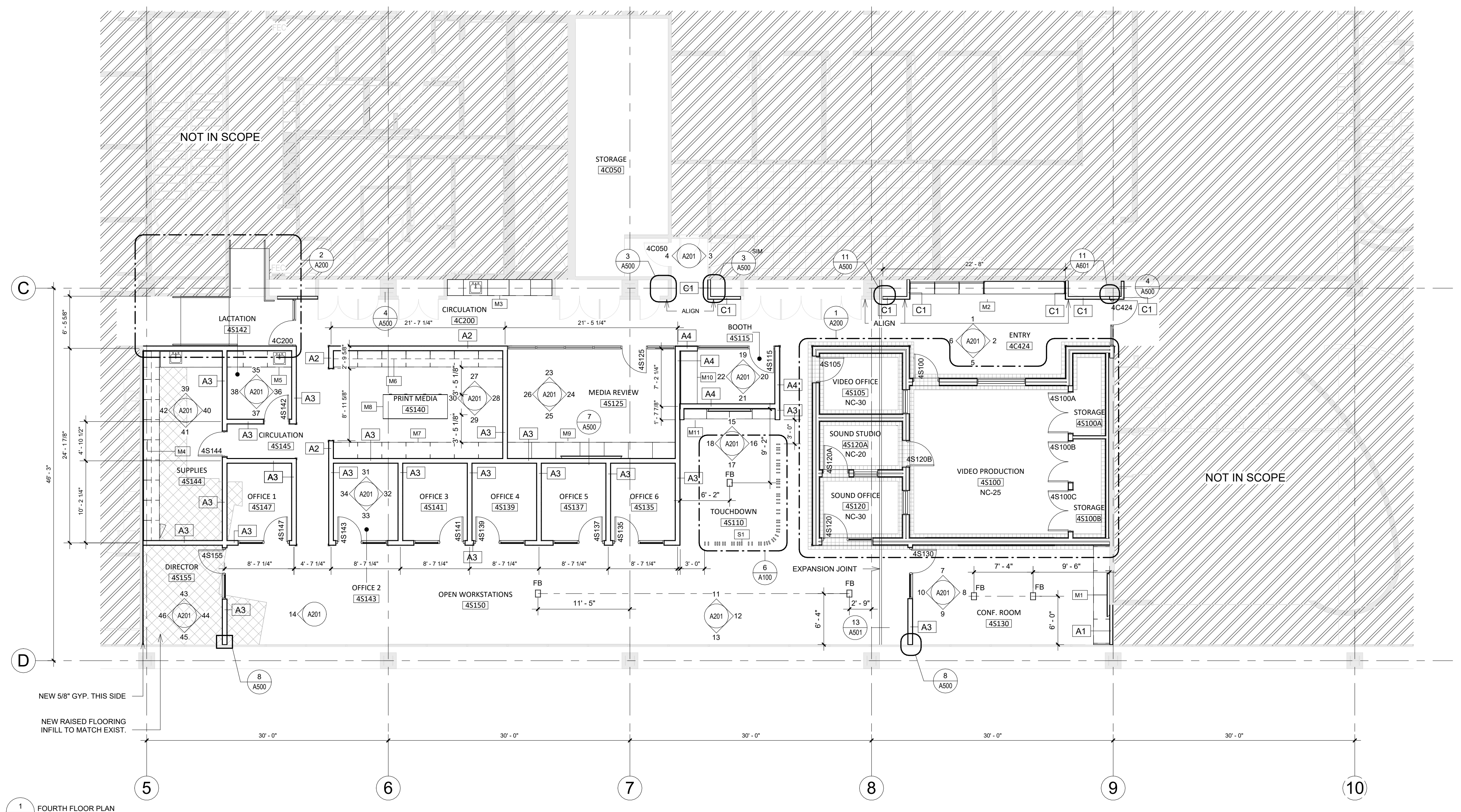
B1
MIN STC 66
REF SHEET A500 FOR ALL PENETRATIONS AND INSERTIONS INTO B1



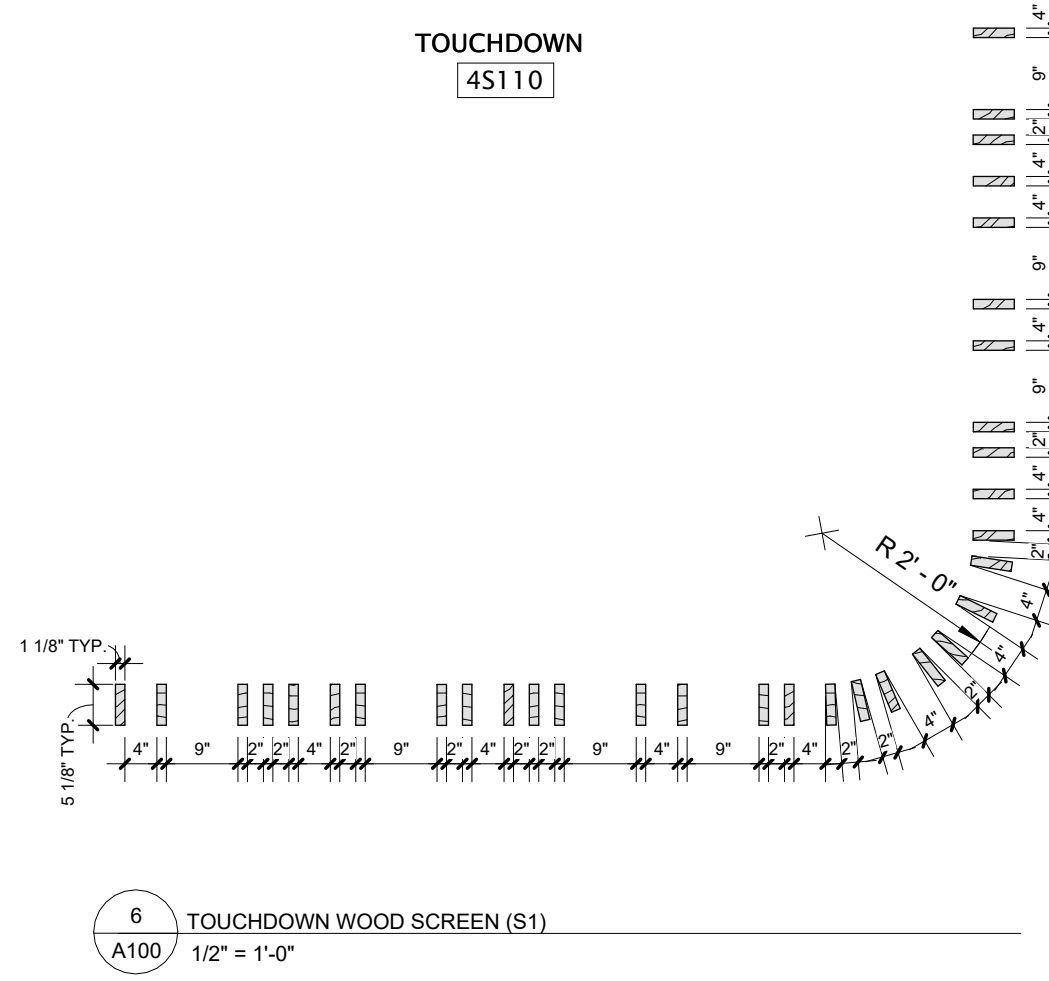
C1



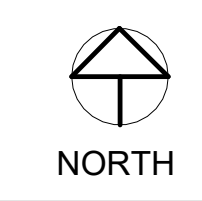
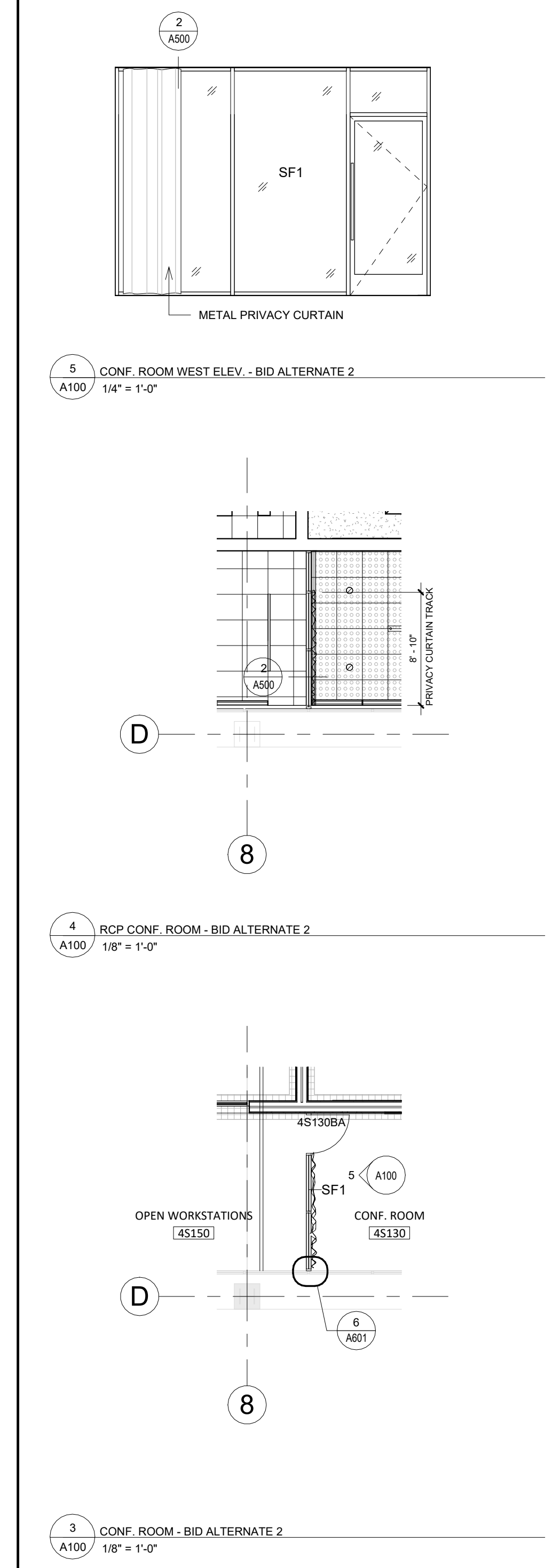
2 FOURTH FLOOR RCP
A100 1/8\"/>

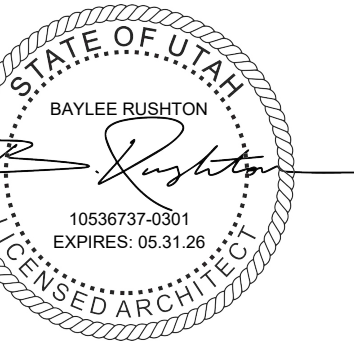


1 FOURTH FLOOR PLAN
A100 1/8\"/>



BID ALTERNATE 2





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CONSTRUCTION DOCUMENTS

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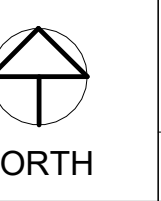
FF&E PLAN

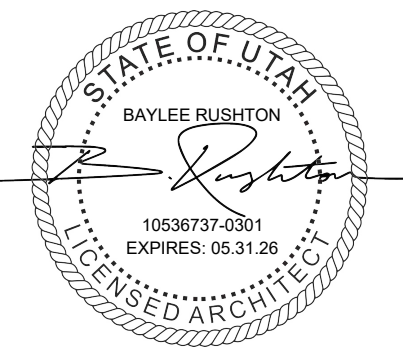
A120
Scale 1/8" = 1'-0"

FF & E SCHEDULE					
Identifier	Quantity	Type	Dimensions	Installation	Notes
CIRCULATION	1	Water & Ice Machine		Contractor Furnished, Contractor Installed	Quench 965-16
CONFERENCE	1	TV - 75" Conference	62 5/8" L x 12" W x 38" H	Owner Furnished, Owner Installed	
CONF-1	1	TV - 75" Conference	62 5/8" L x 12" W x 38" H	Owner Furnished, Owner Installed	
MEDIA REVIEW	1	TV - 55" Media Review	39" L x 47 1/2" W x 57" H	Owner Furnished, Owner Installed	
MNR-1	1	TV - 55" Media Review	39" L x 47 1/2" W x 57" H	Owner Furnished, Owner Installed	
PRINT MEDIA	1	Printer Versatile G455	17 1/2" L x 18" W x 24 1/2" H	Owner Furnished, Owner Installed	
PE-1	1	HP DesignJet T630	50" x 20.5" W x 50" H	Owner Furnished, Owner Installed	
PE-2	1	Sharp MX-5141	38 1/2" x 28" W x 49" H	Owner Furnished, Owner Installed	
PN-1	1	Flat File Storage		Contractor Furnished, Contractor Installed	Contractor to coordinate w/ owner on compatible storage (Based on Design Space Server Archive Flat File Storage)
SOUND OFFICE	1	Keyboard	62" L x 11" W x 3" H	Owner Furnished, Owner Installed	
SOE-1	2	Shelving Speakers	18" L x 14" W x 2 1/2" H	Owner Furnished, Owner Installed	
STORAGE	10	Existing Compact Shelving		Owner Furnished, Owner Installed	
STN-1	1	Shelving Track	18" L	Contractor Furnished, Contractor Installed	Contractor to coordinate w/ owner on compatible track (based per manufacturer's recommendation)
STN-1	1	Shelving Track	18" L	Contractor Furnished, Contractor Installed	
SUPPLIES	1	Mini Fridge		Owner Furnished, Owner Installed	
SE-1	1	Steel Lab Table	22" L x 30" W x 30" H	Owner Furnished, Owner Installed	
SE-2	1	Chemical Cabinet		Owner Furnished, Owner Installed	
TE-1	1	TV - 75" Touchdown	62 5/8" L x 12" W x 38" H	Owner Furnished, Owner Installed	



1 FF&E FLOOR PLAN - FOR REFERENCE ONLY
A120 1/8" = 1'-0"





PLAN LEGEND

- EXISTING TO REMAIN
- NOT IN SCOPE

PLAN NOTES

- ARCHITECTURAL NOTES:
1. VERIFY ALL EXISTING CONDITIONS PRIOR TO COMMENCING WORK.
 2. CONTRACTOR TO BECOME FAMILIAR WITH ALL DRAWINGS + EXISTING CONDITIONS. BRING DISCREPANCIES TO ARCHITECT IN A TIMELY FASHION PRIOR TO PROCEEDING WITH WORK.
 3. PROVIDE TEMPORARY DUST PROTECTION @ ALL AREAS OF CONSTRUCTION.

REVIEWED FOR CODE COMPLIANCE

11/14/2024

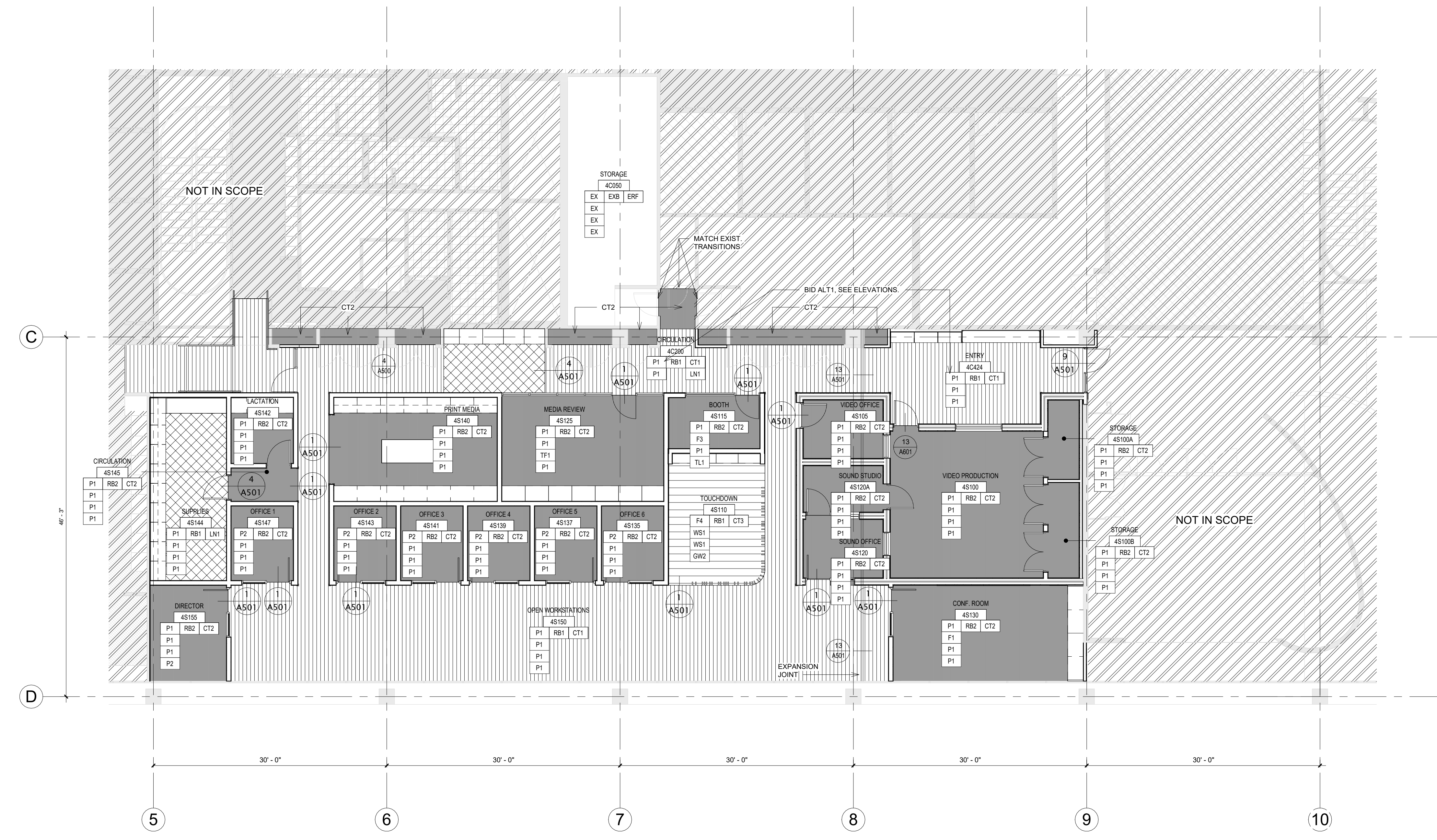
Shums Coda Associates

FINISH SCHEDULE

ROOM NAME		ROOM #
WALL N	BASE	FLOOR
WALL E		
WALL S		
WALL W		
WALL		
P1	= PAINT, COLOR: 7566 WESTHIGHLAND	
P2	= PAINT, COLOR: 64M LAKESHORE	
F1	= FELT, COLOR: GREEN	
F2	= FELT, COLOR: PINK	
F3	= FELT, COLOR: PURPLE	
F4	= FELT, COLOR: ORANGE	
TF1	= FELT TEXTURED PANEL, FINISH: BOLLA, MIDNIGHT	
TL1	= LAMINATE TEXTURED PANEL, FINISH: FILA, SALINAS OAK	
L1	= LAMINATE, COLOR: AGED ASH	
L2	= LAMINATE, COLOR: HUNTER GREEN	
EX	= MATCH EXISTING PAINT COLOR	
WS1	= WOOD SCREEN, SPECIES: FINISH: AMERICAN OAK / NATURAL	
GW2	= GLASS WALL, SEE SPEC.	
BASE		
RB1	= RUBBER BASE, COLOR: T62 SHARK FIN	
RB2	= RUBBER BASE, COLOR: GREY WG	
FLOOR		
CT1	= CARPET, COLOR: GREIGE	
CT2	= CARPET, COLOR: WARM GREY	
CT3	= CARPET, COLOR: EMBER	
LN1	= LINOLEUM, COLOR: CEMENT	
EC	= SALVAGED EXISTING CARPET TILE	
ERF	= EXISTING RAISED FLOOR	

FLOOR FINISH LEGEND

- CARPET - CT1 - COLOR: GREIGE
- CARPET - CT2 - COLOR: WARM GREY
- CARPET - CT3 - COLOR: EMBER
- LINOLEUM - LN1 - COLOR: CEMENT
- EC - SALVAGED EXISTING CARPET TILE
- ERF - EXISTING RAISED FLOOR



1 LEVEL 4 FINISH FLOOR PLAN
A102 1/8" = 1'-0"

**GENETIC SCIENCE
LEARNING CENTER**

CONSTRUCTION DOCUMENTS

DFCM SEAL

No	Description	Date



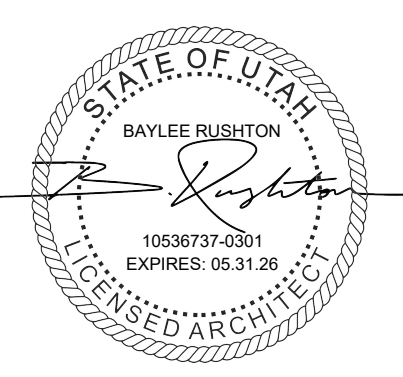
GSCLC
295 CHIPETA WAY
SALT LAKE CITY, UT 84108

22812
10.30.2024

FINISH PLAN

A102
Scale As indicated





REVIEWED FOR CODE COMPLIANCE
11/14/2024
Shums Code Associates

GENETIC SCIENCE
LEARNING CENTER

CONSTRUCTION DOCUMENTS

DFCM SEAL

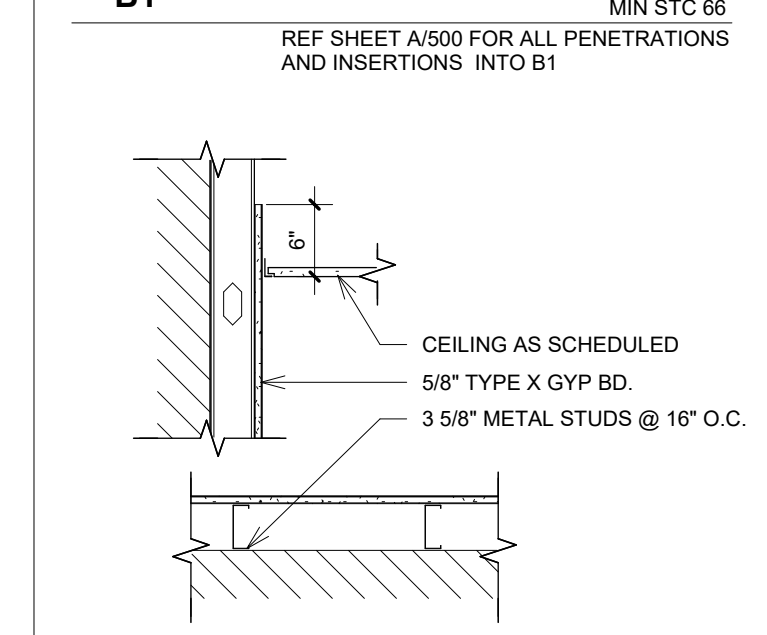
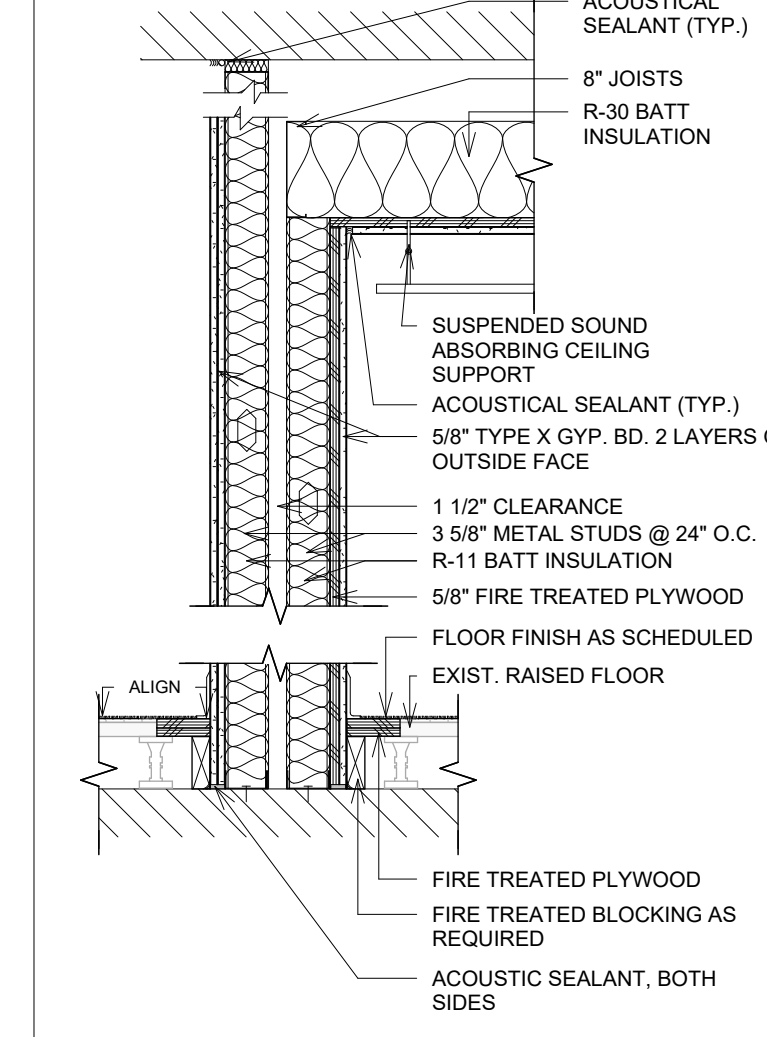
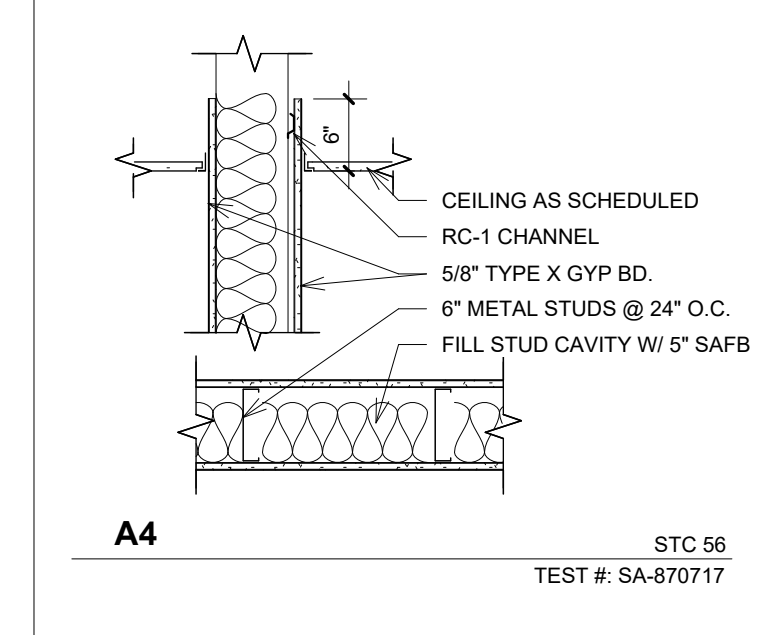
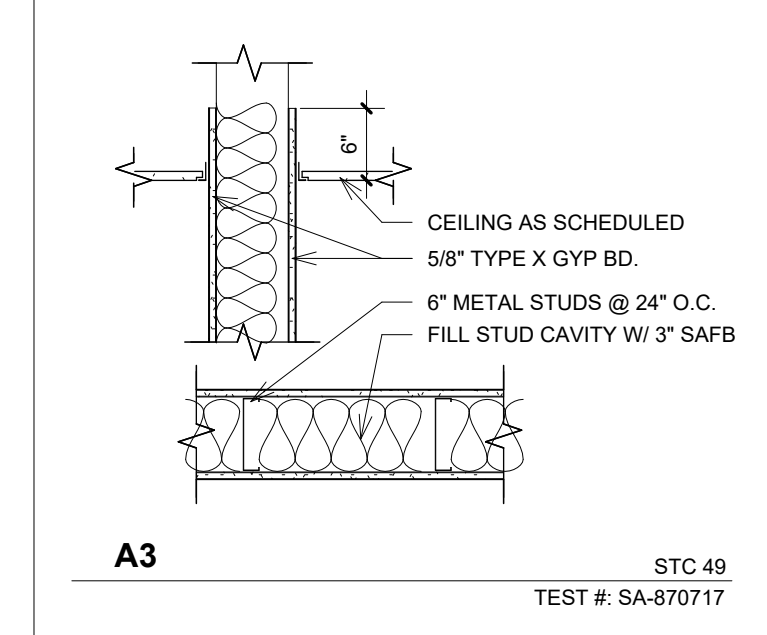
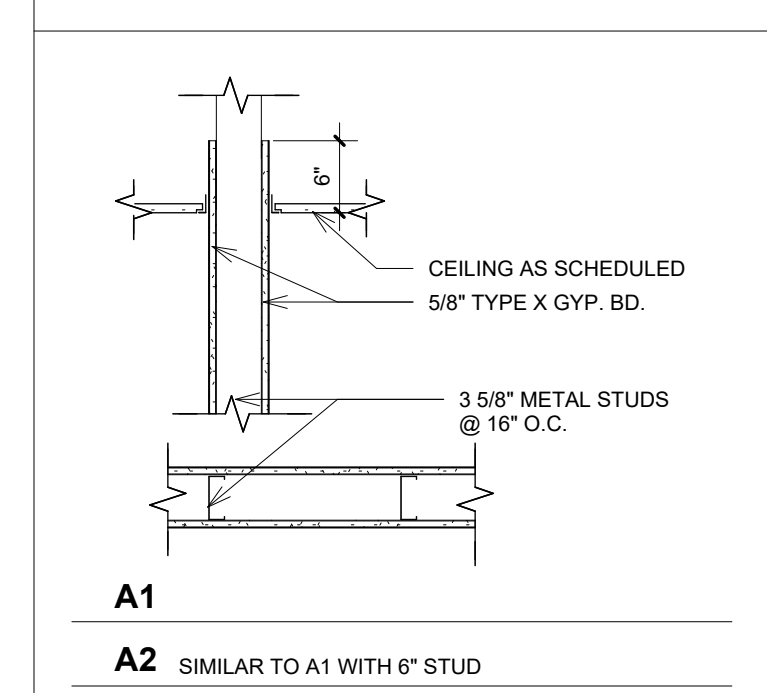


GSCLC
295 CHIPETA WAY
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22812
10.30.2024
ENLARGED PLAN
+ ELEVATIONS

A200
Scale As indicated

WALL TYPES



PLAN LEGEND

- EXISTING TO REMAIN
- NOT IN SCOPE
- APPROX. AREA OF NEW RAISED FLOOR TO MATCH EXISTING
- PATCH RAISED FLOOR AT NEW FLOOR TO DECK WALLS
- FB - FLOOR BOX
- CG - CORNER GUARD

PLAN NOTES

- ARCHITECTURAL NOTES:
- VERIFY ALL EXISTING CONDITIONS PRIOR TO COMMENCING WORK
 - CONTRACTOR TO BECOME FAMILIAR WITH ALL DRAWINGS + EXISTING CONDITIONS, BRING DISCREPANCIES TO ARCHITECT IN A TIMELY FASHION PRIOR TO PROCEEDING WITH WORK
 - PROVIDE TEMPORARY DUST PROTECTION @ ALL AREAS OF CONSTRUCTION.
 - PROTECT SHAKES AND PULL CORDS, COORDINATE REPLACEMENT OF DAMAGED SHAKES WITH OWNER

CEILING LEGEND

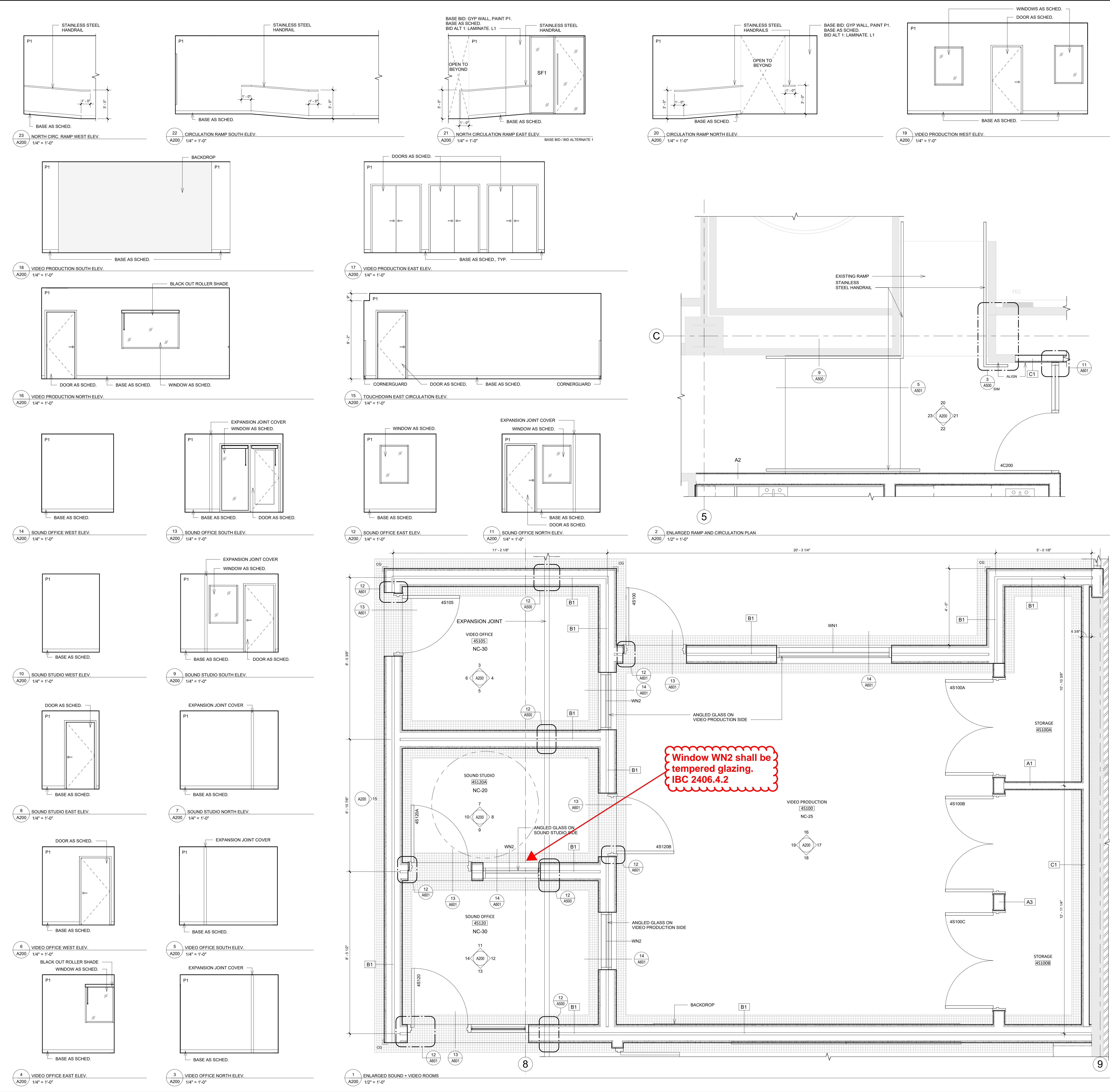
- GYPSUM BOARD CEILING
- AP1/MS1 - 2' x 2' ACOUSTIC CEILING
- AP2/MS1 - 2' x 4' ACOUSTIC CEILING
- AP3 / MS1 - 2' x 2' HIGH CAC ACOUSTIC CEILING
- AF1/MS2 - 2'X2' FELT CEILING IN T-GRID
- 2X2 LIGHT FIXTURE
- ACCESS PANEL
- 2X4 LIGHT FIXTURE
- 1X4 LIGHT FIXTURE
- LINEAR LIGHT FIXTURE
- RECESSED CAN LIGHT FIXTURE
- FELT - F2 - COLOR: PINK
- FELT - F4 - COLOR: ORANGE

CEILING NOTES

- ARCHITECTURAL:
- FIELD VERIFY ALL CONDITIONS PRIOR TO COMMENCING WORK
 - ALL CEILING HEIGHTS MEASURED FROM FINISHED FLOOR
- MECHANICAL NOTES:
- ALIGN ALL DIFFUSERS AS SHOWN
 - REFER TO MECH. DRAWINGS
- ELECTRICAL:
- ALIGN ALL LIGHT FIXTURES AND CEILING ELEMENTS AS SHOWN
 - REFER TO ELEC. DRAWINGS

ELEV. LEGEND

- P1 = PAINT, COLOR: 7566 WESTHIGHLAND WHITE
- P2 = PAINT, COLOR: 6494 LAKESHORE
- F1 = FELT, COLOR: GREEN
- F2 = FELT, COLOR: PINK
- F3 = FELT, COLOR: PURPLE
- F4 = FELT, COLOR: ORANGE
- RP1 = RESIN PANEL, COLOR: KILT + WHITE OUT
- L1 = LAMINATE, COLOR: AGED ASH
- L2 = LAMINATE, COLOR: HUNTER GREEN
- TL1 = LAMINATE TEXTURED PANEL, FINISH: FILA, SALINAS OAK
- TF1 = FELT TEXTURED PANEL, FINISH: BOLLA, MIDNIGHT
- WS1 = WOOD SCREEN, SPECIES/FINISH: AMERICAN OAK / NATURAL
- SS1 = SOLID SURFACE COUNTERTOP, COLOR: FROSTY WHITE MIRAGE
- UP1 = UPHOLSTERY, COLOR: NICO 016 POSH
- RB1 = RUBBER BASE, COLOR: T22 SHARK FIN
- RB2 = RUBBER BASE, COLOR: GREY VG
- GW1 = GLASS WALL, SEE SPEC.
- GW2 = GLASS WALL, SEE SPEC.
- MB1 = MARKER BOARD 4'X6', SEE SPEC.

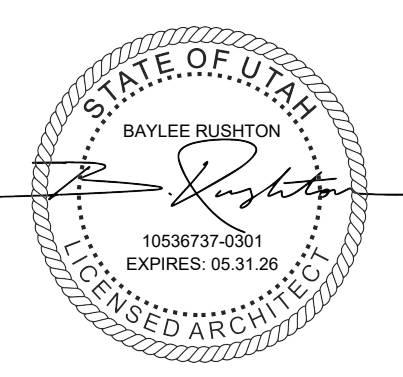


Window WN2 shall be tempered glazing. IBC 2406.4.2

ELEV. LEGEND

- P1 = PAINT, COLOR: 7566 WESTHIGHLAND WHITE
- P2 = PAINT, COLOR: 6484 LAKESHORE
- F1 = FELT, COLOR: GREEN
- F2 = FELT, COLOR: PINK
- F3 = FELT, COLOR: PURPLE
- F4 = FELT, COLOR: ORANGE
- RP1 = RESIN PANEL, COLOR: KILT + WHITE OUT
- L1 = LAMINATE, COLOR: AGED ASH
- L2 = LAMINATE, COLOR: HUNTER GREEN
- TL1 = LAMINATE TEXTURED PANEL, FINISH: FLA, SALINAS OK
- TF1 = FELT TEXTURED PANEL, FINISH: BOLA, MIDNIGHT
- WS1 = WOOD SCREEN, SPECIES/FINISH: AMERICAN OAK / NATURAL
- WS1 = SOLID SURFACE COUNTERTOP, COLOR: FROSTY WHITE MIRAGE
- UP1 = UPHOLSTERY, COLOR: NICO 016 POSH
- RB1 = RUBBER BASE, COLOR: NICO 016 POSH
- RB2 = RUBBER BASE, COLOR: GREY WG
- GW1 = GLASS WALL, SEE SPEC.
- GW2 = GLASS WALL, SEE SPEC.
- MB1 = MARKER BOARD 4'X6', SEE SPEC.

331 S RIO GRANDE ST
SUITE 307
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BAYLEE@STUDIOLPARCH.COM



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GENETIC SCIENCE
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CONSTRUCTION DOCUMENTS

DFCM SEAL

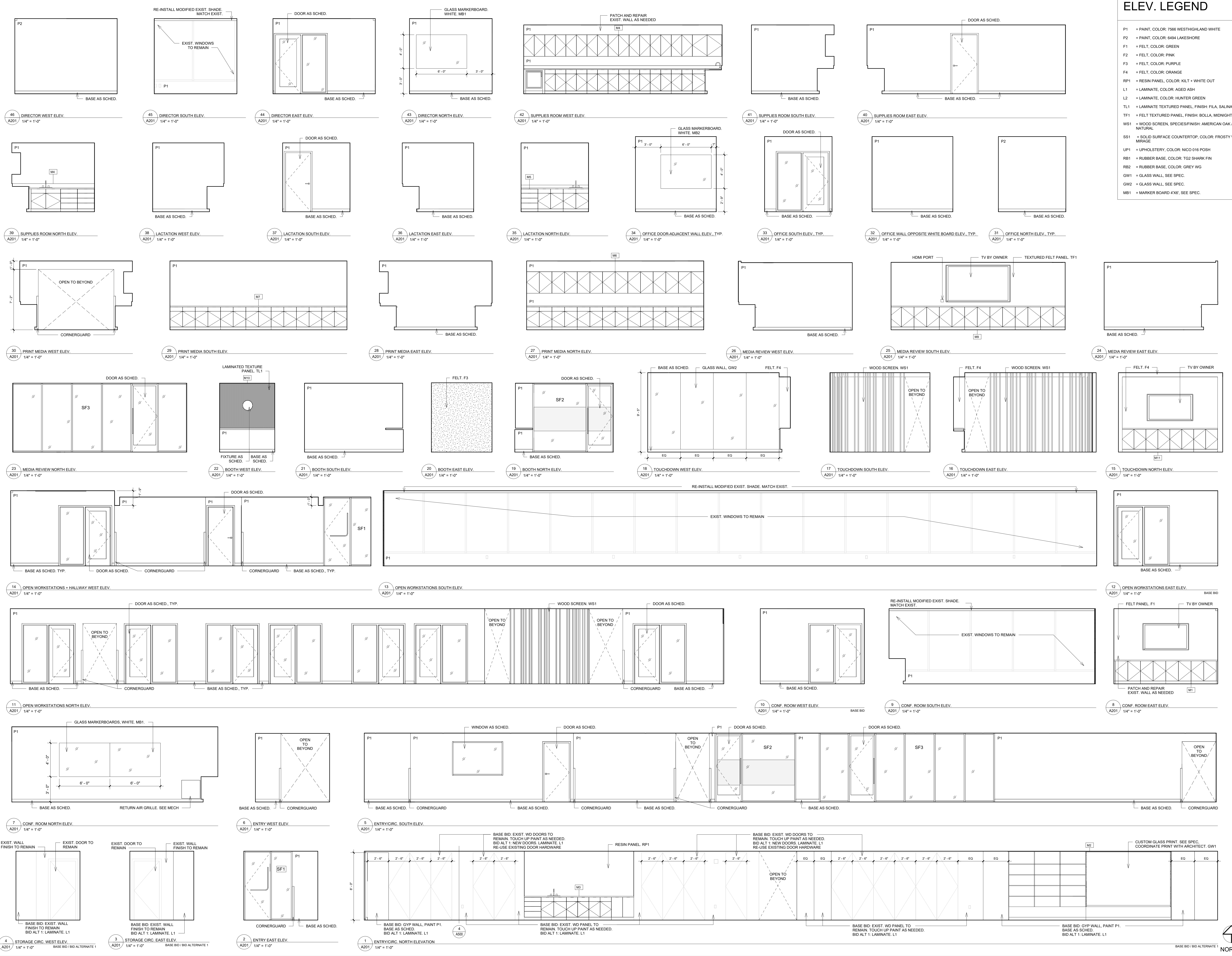
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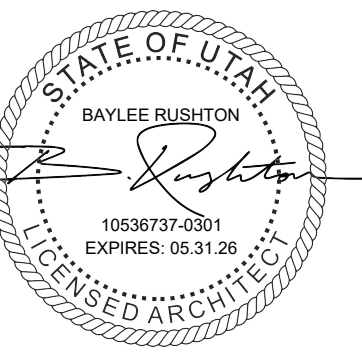


GLSC
295 CHIPETA WAY
SALT LAKE CITY, UT 84108

22812
10.30.2024
INTERIOR
ELEVATIONS

A201
Scale 1/4" = 1'-0"





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CONSTRUCTION DOCUMENTS

DFCM SEAL

No	Description	Date

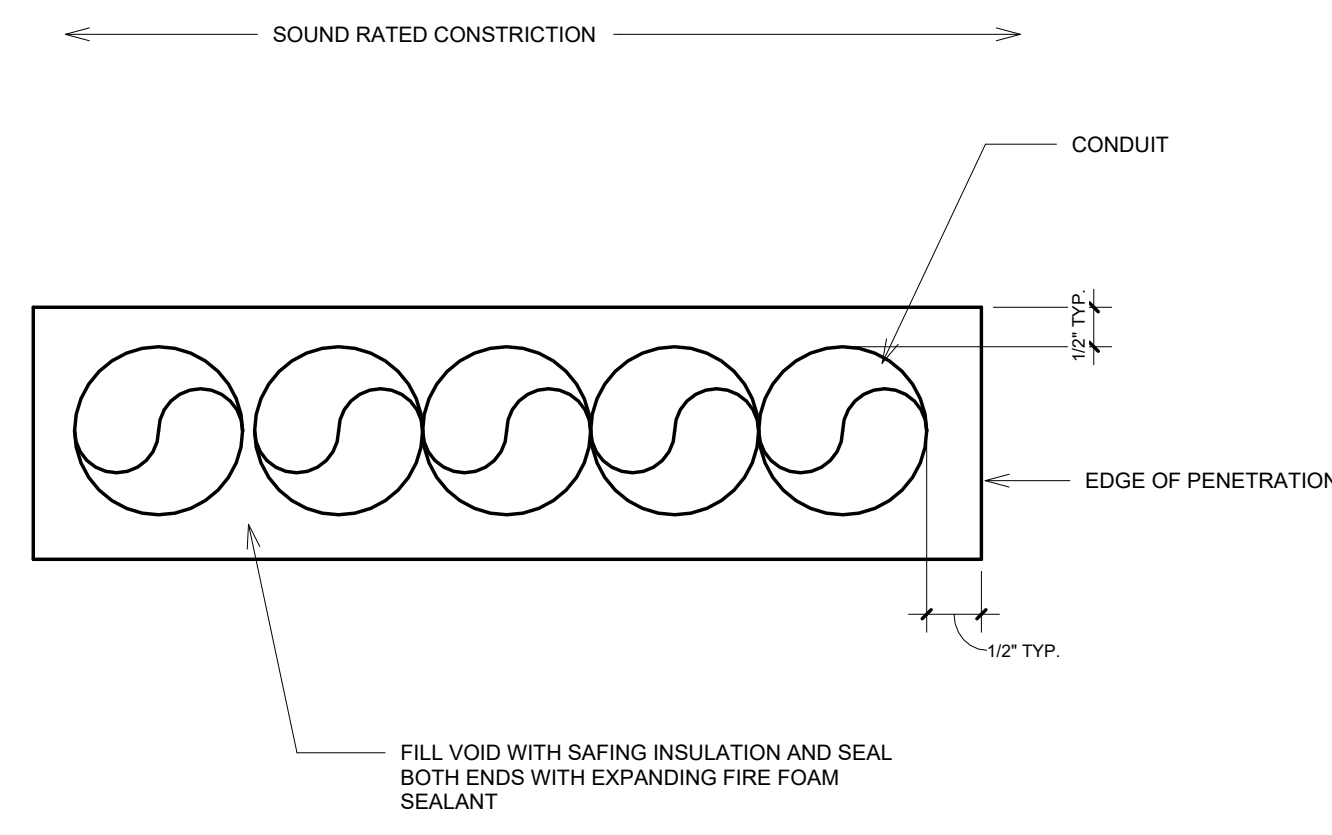


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SALT LAKE CITY, UT 84108

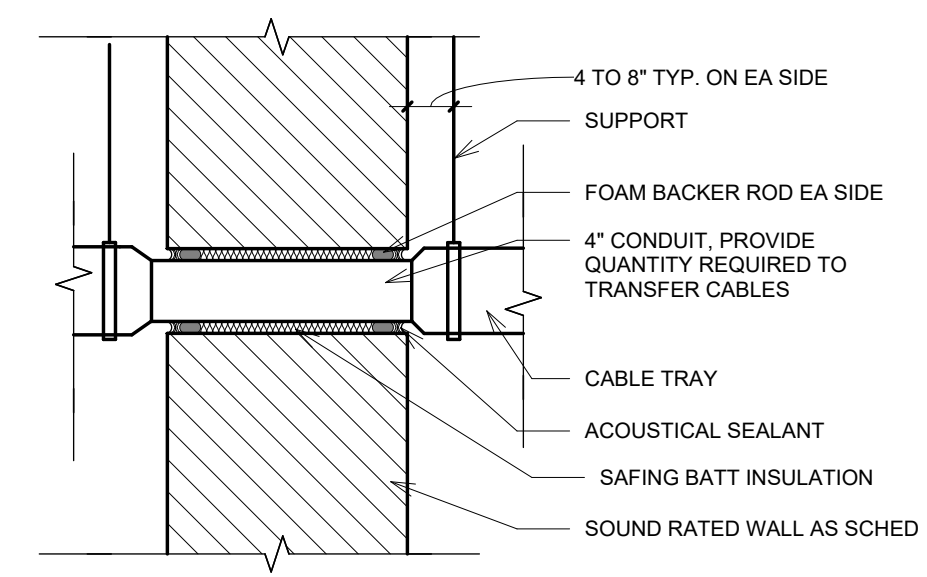
22812
10.30.2024

DETAILS

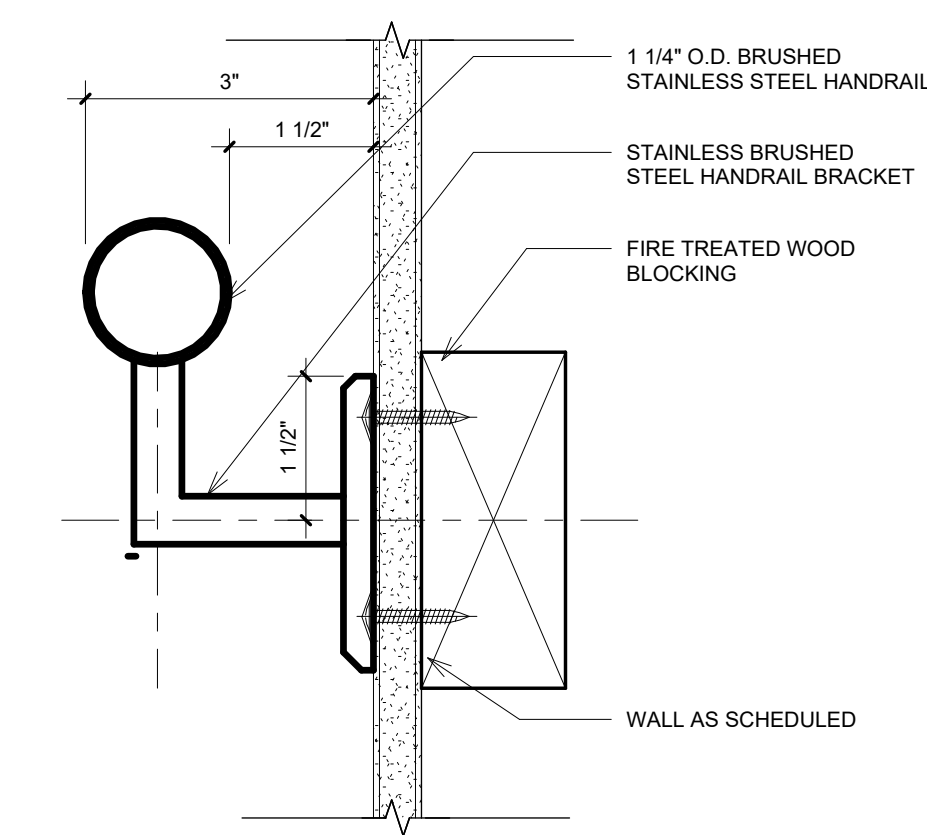
A500
Scale As indicated



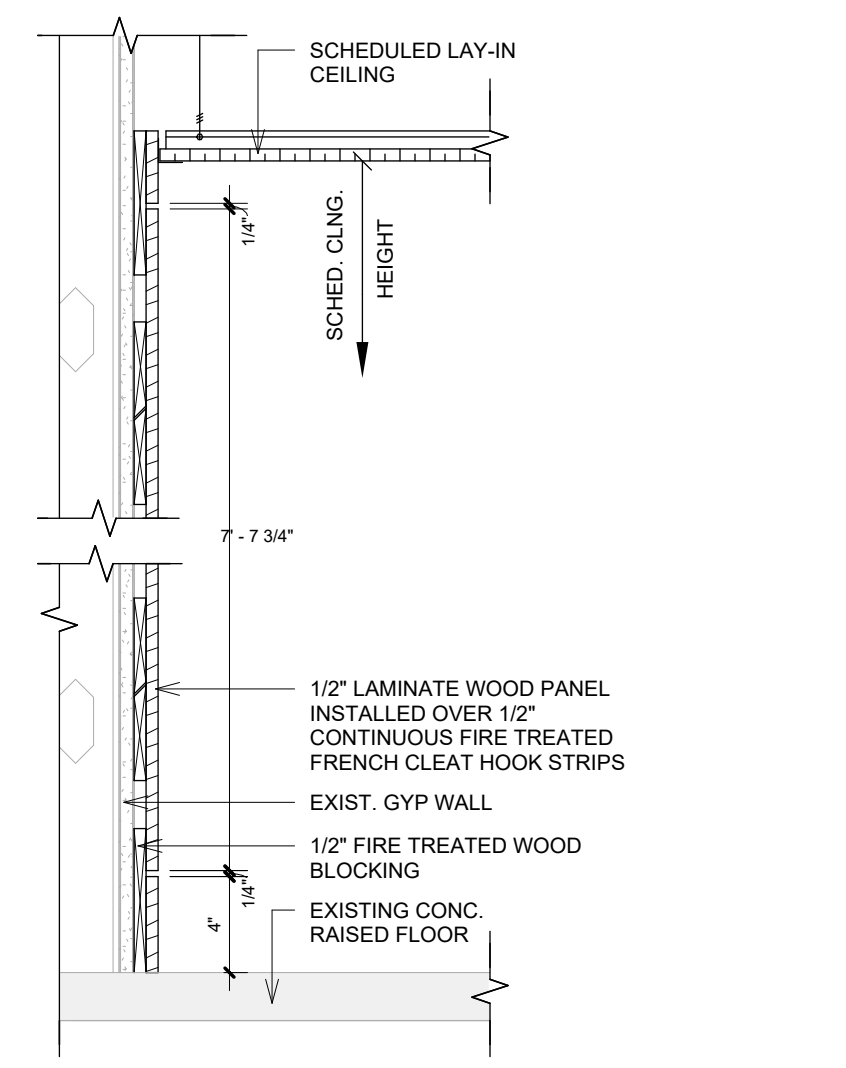
18 TYPICAL MULTIPLE PIPE OR CONDUIT PENETRATION THROUGH SOUND-RATED CONSTRUCTION
A500 3' = 1'-0"



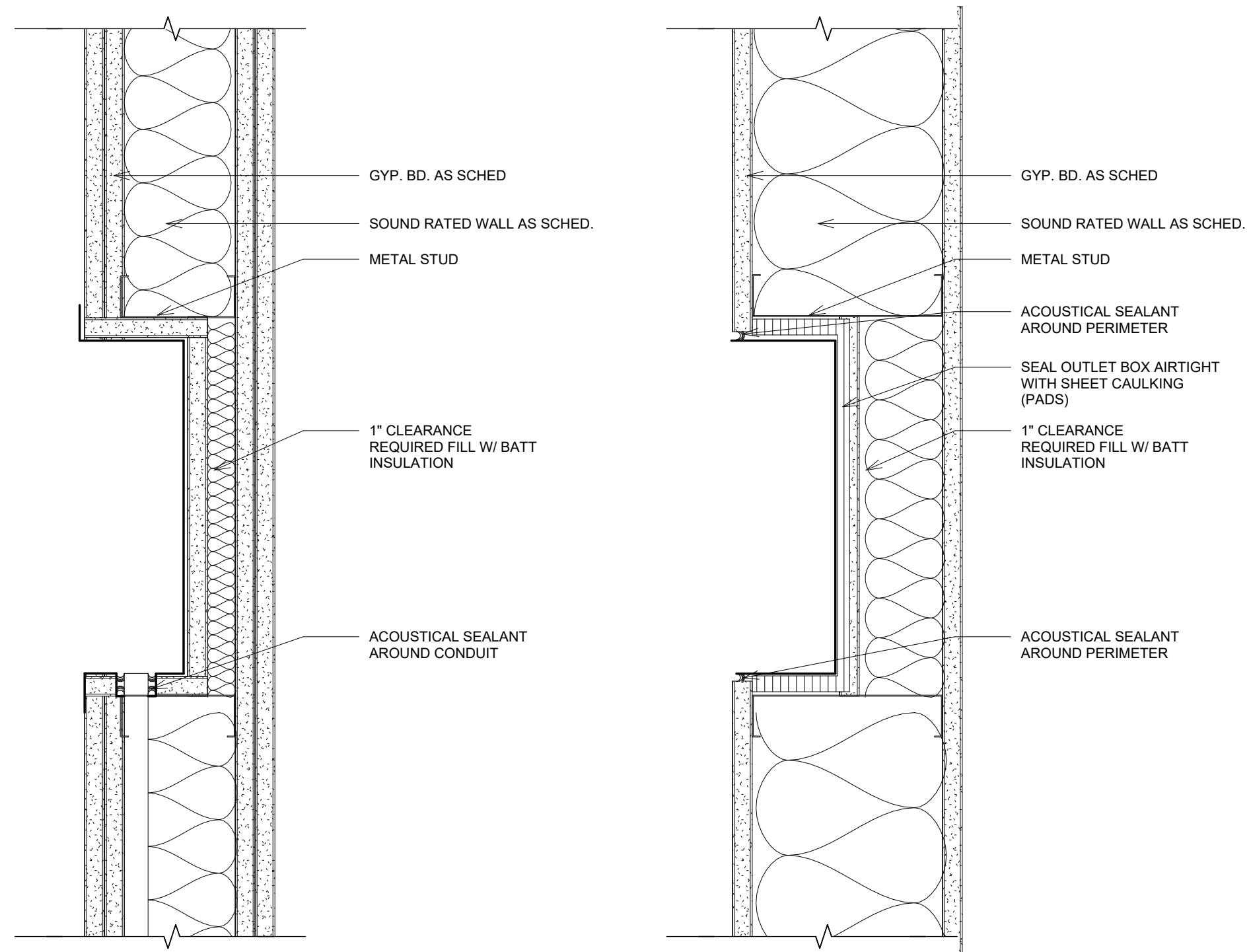
14 TYP. CABLE TRAY AT SOUND RATED WALL
A500 3' = 1'-0"



9 HANDRAIL DETAIL - FRAMED
A500 6\"/>

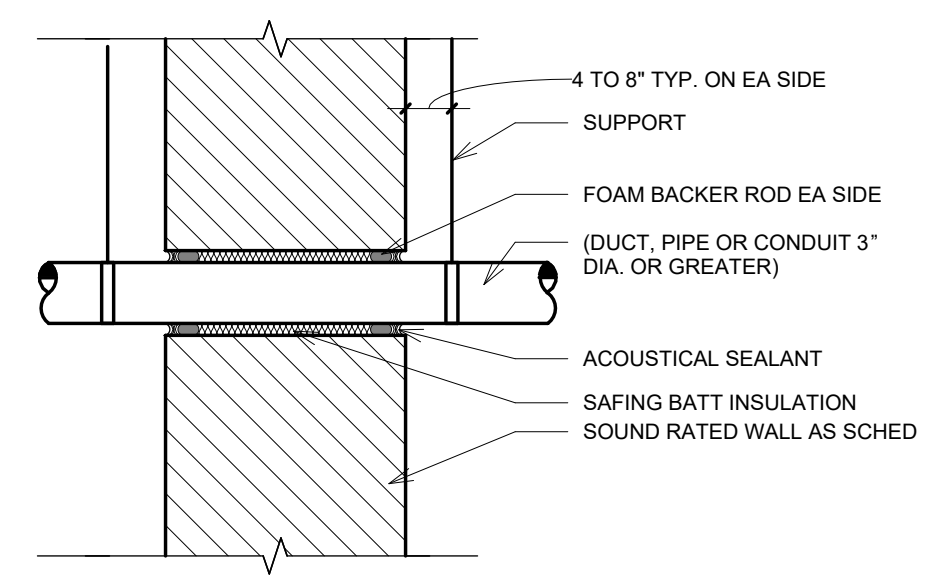


4 LAMINATE WALL PANEL
A500 1 1/2\"/>

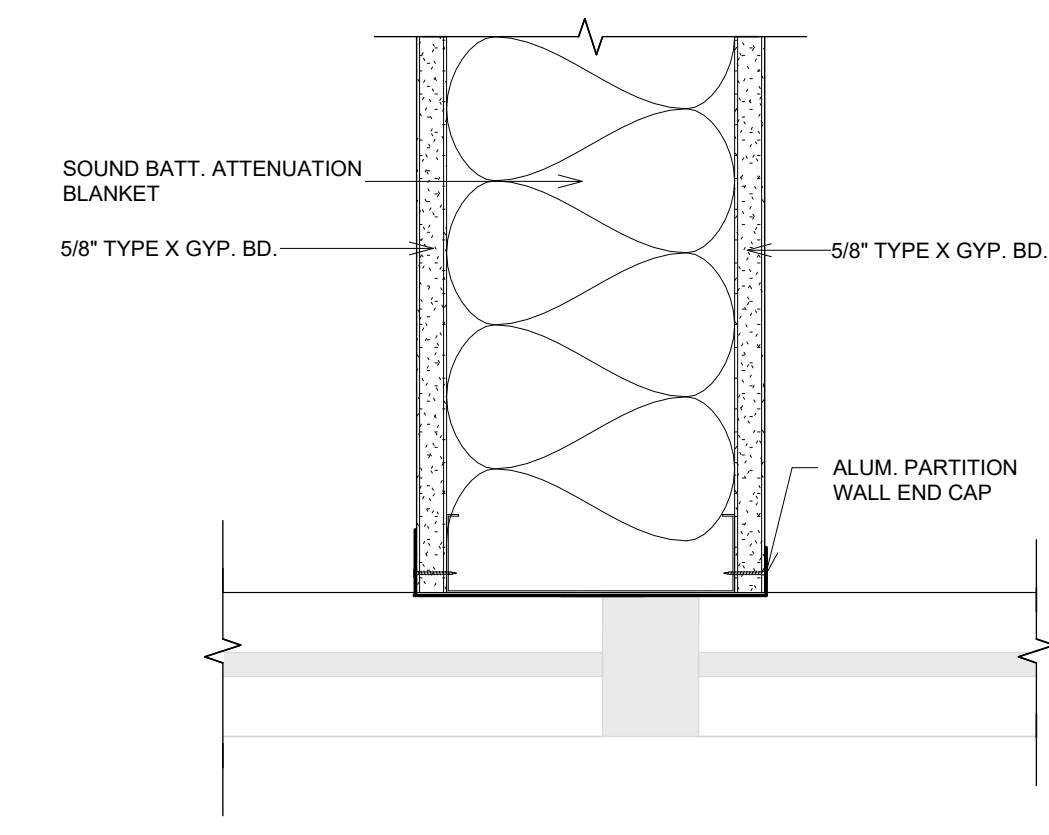


NOTES:
1. LINE TOP, BOTTOM, BACK, AND SIDES WITH ONE LAYER 5\"/>

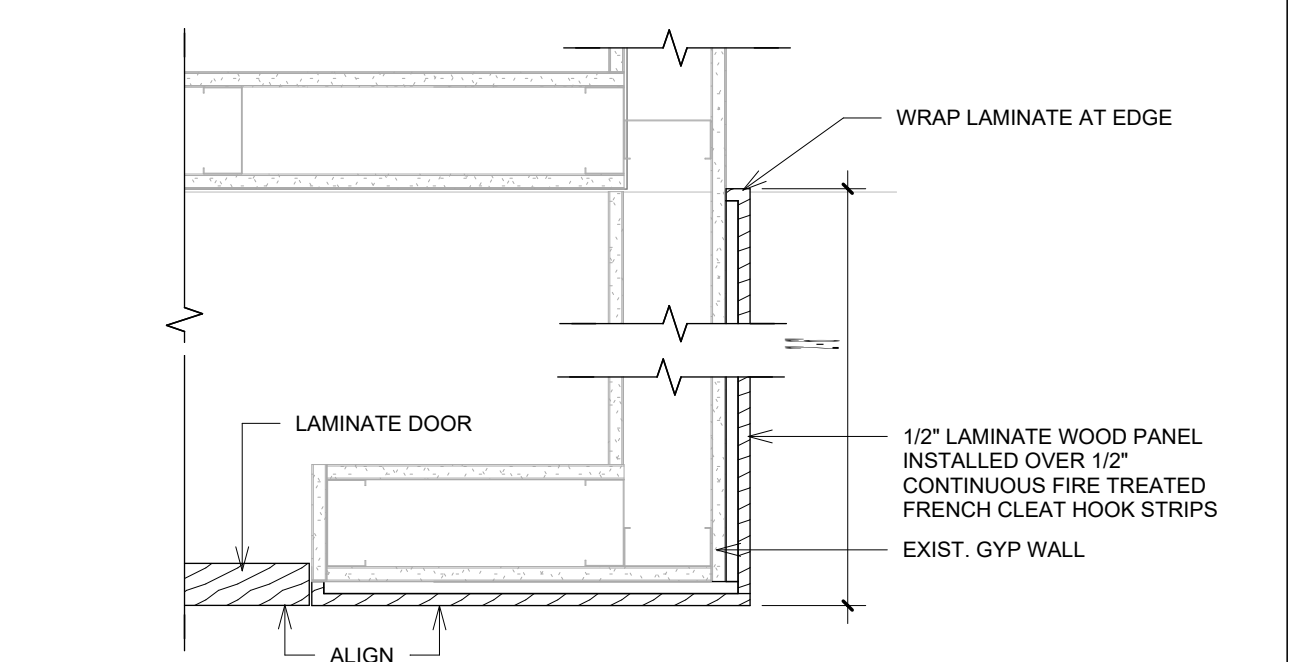
13 TYP. CONDUIT OR DUCT THROUGH SOUND RATED WALL
A500 3' = 1'-0"



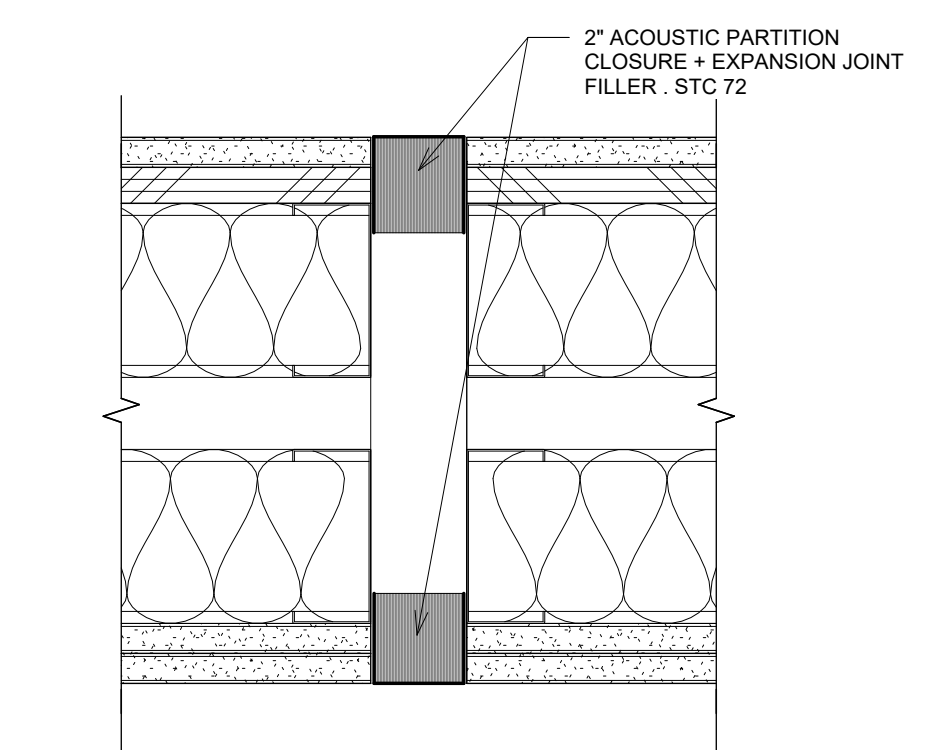
14 TYP. CABLE TRAY AT SOUND RATED WALL
A500 3' = 1'-0"



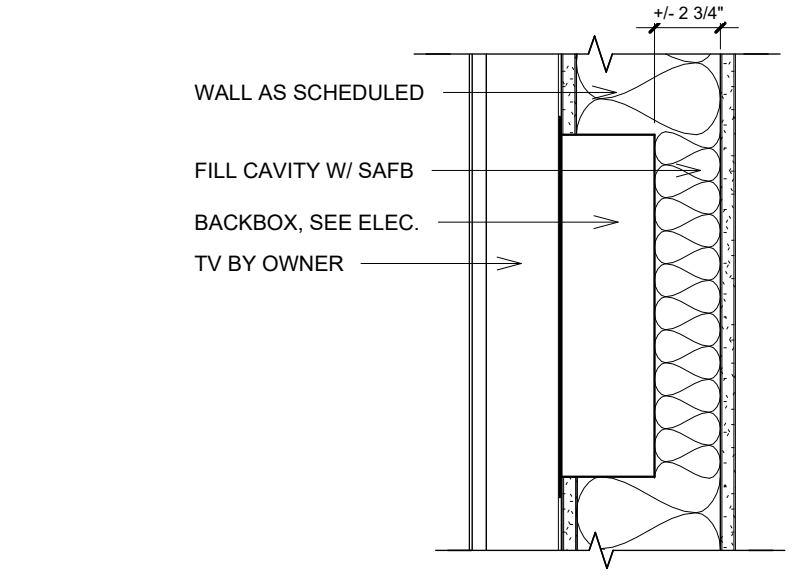
8 WALL AT EXTERIOR STOREFRONT
A500 3' = 1'-0"



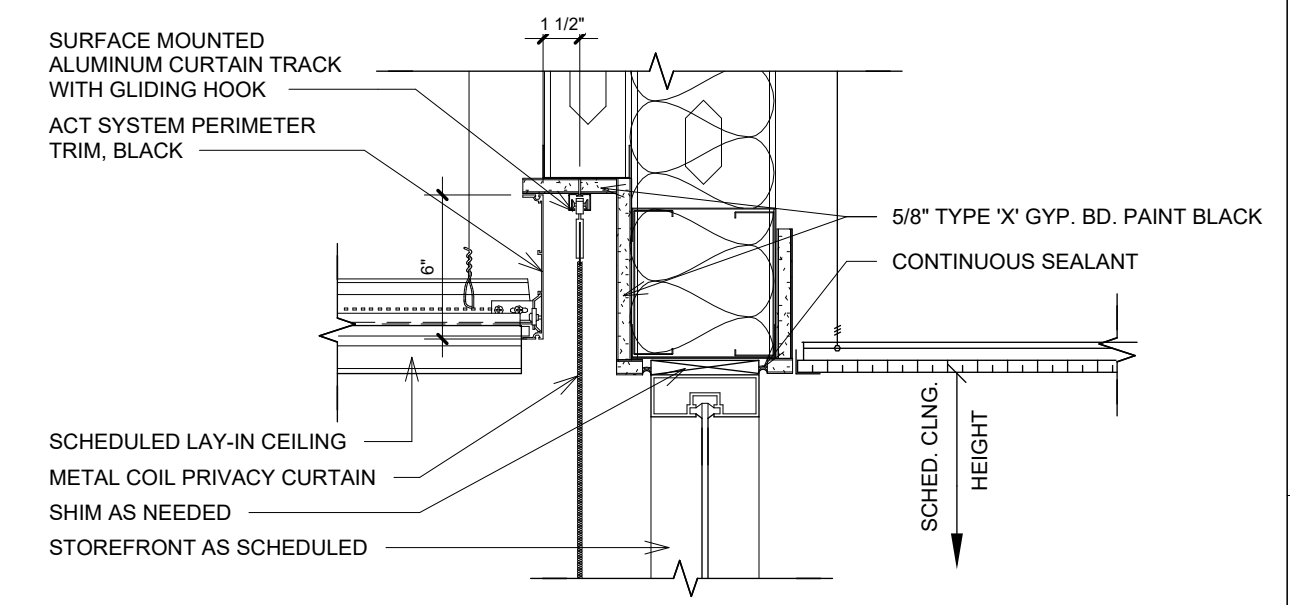
3 LAMINATE CORNER/DOOR
A500 1 1/2\"/>



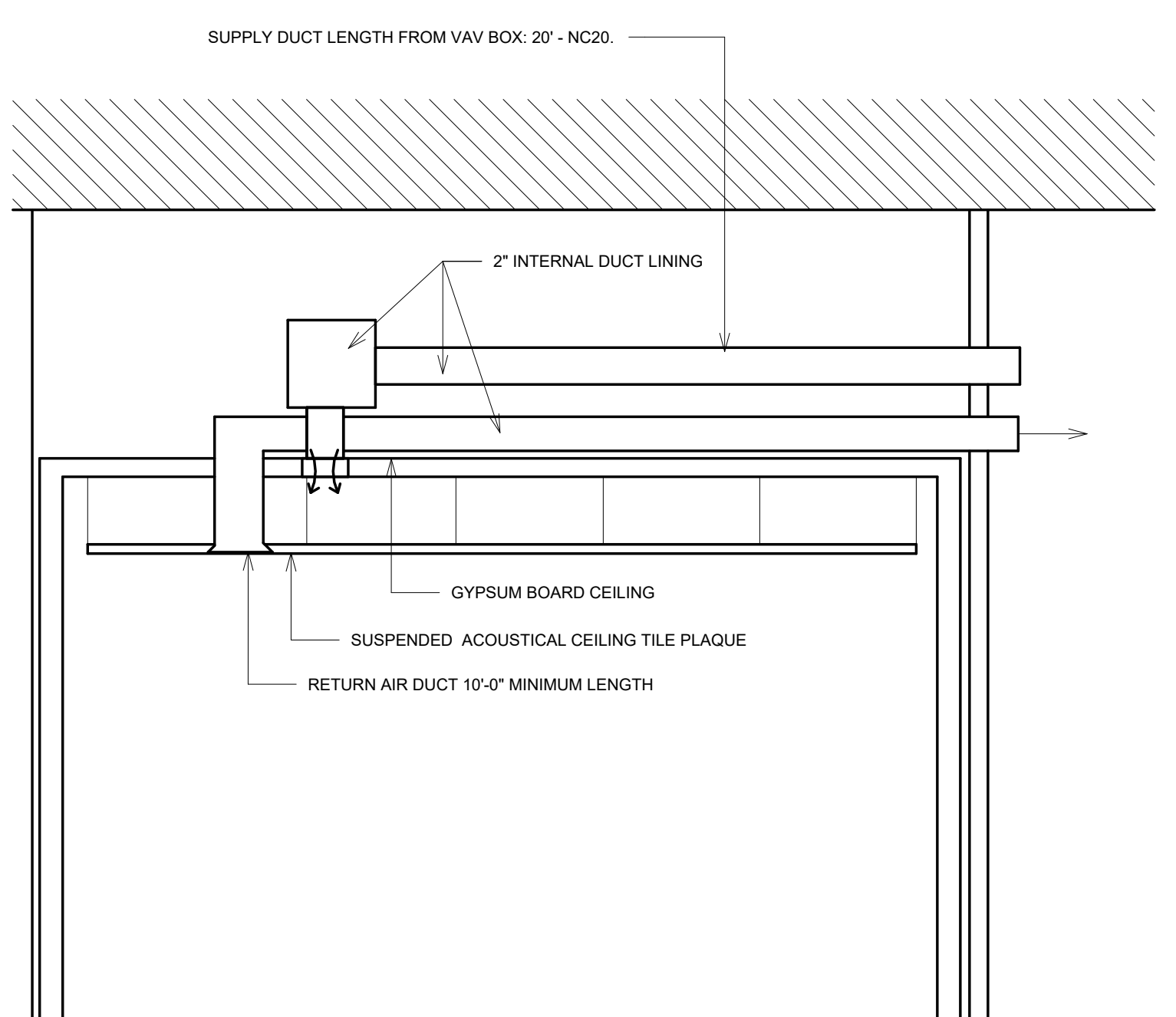
12 ACOUSTIC EXPANSION JOINT FILLER (W/2, C/2, SJM)
A500 3' = 1'-0"



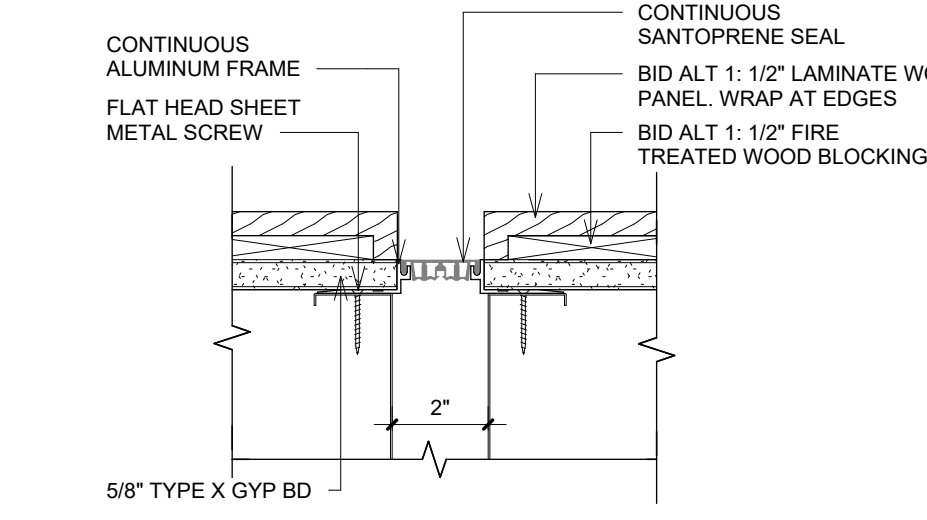
7 TV BACKBOX
A500 1 1/2\"/>



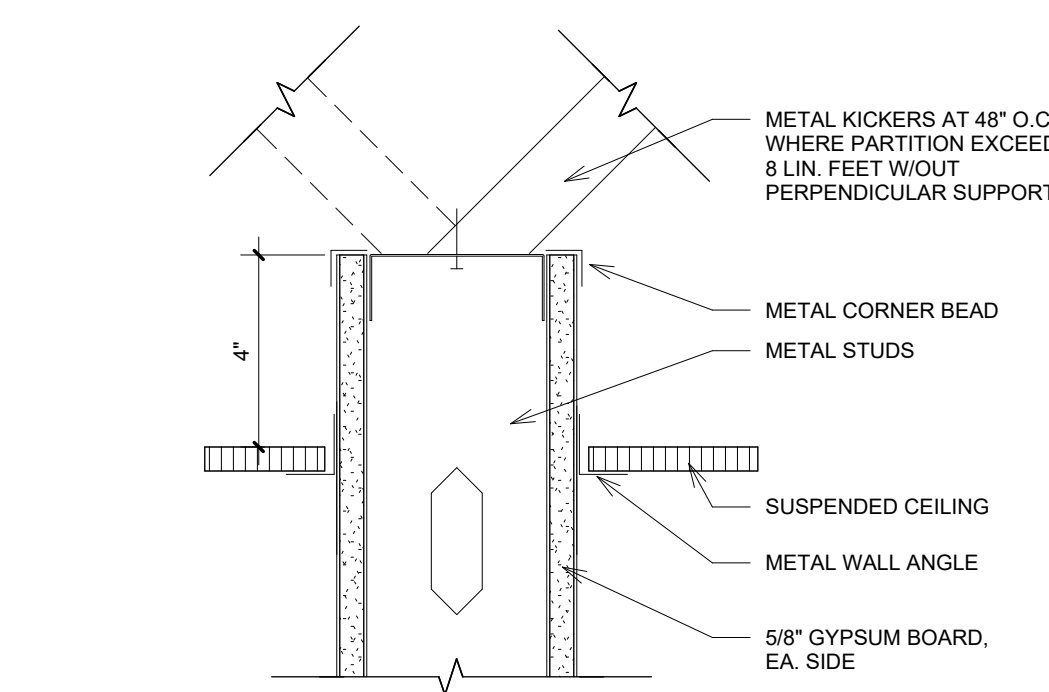
2 CONF. PRIVACY CURTAIN
A500 1 1/2\"/>



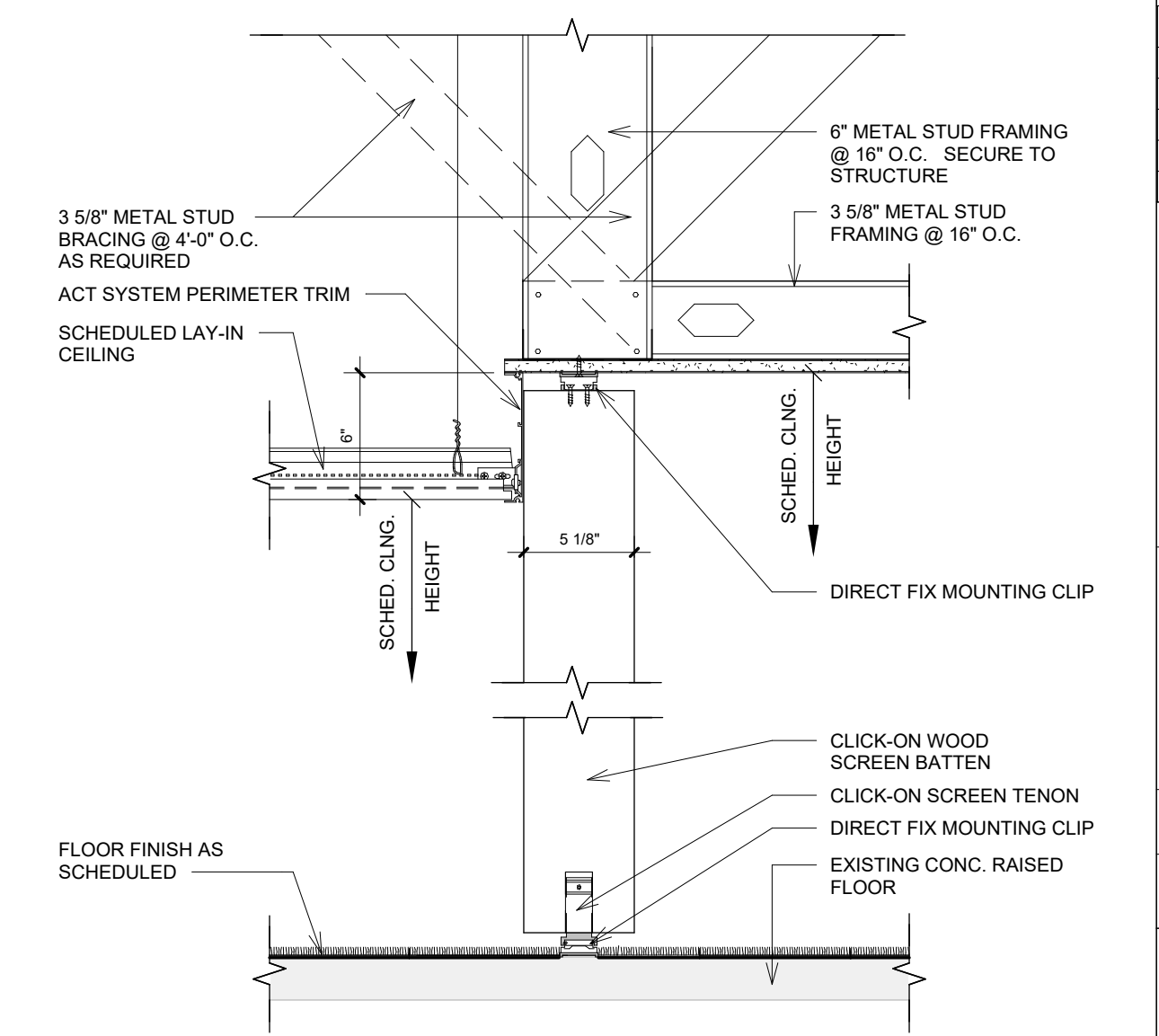
19 DUCT PENETRATION AT SOUND WALL
A500 3' = 1'-0"



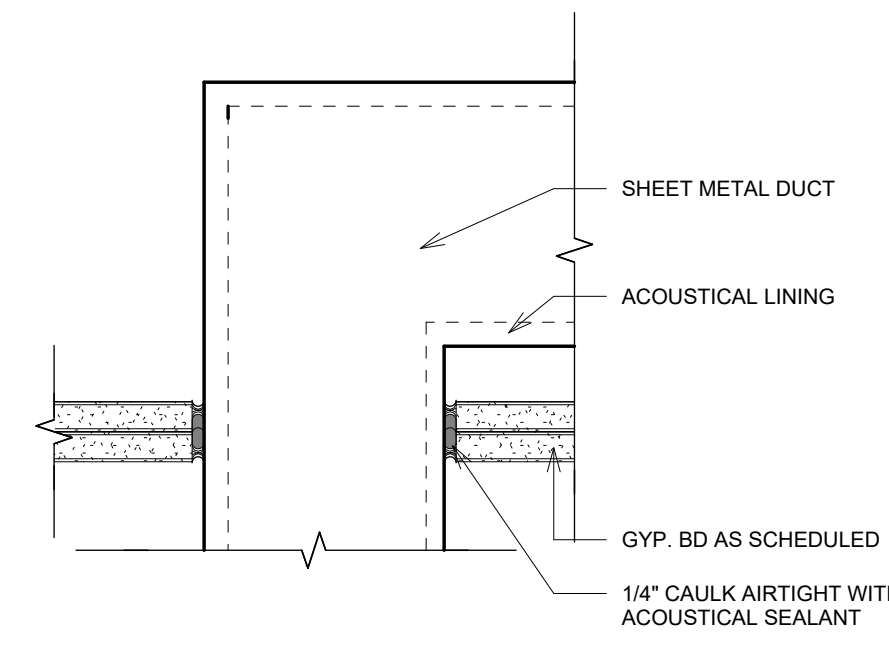
11 LAMINATE EXPANSION JOINT
A500 3' = 1'-0"



6 TYPICAL TOP OF WALL
A500 3' = 1'-0"

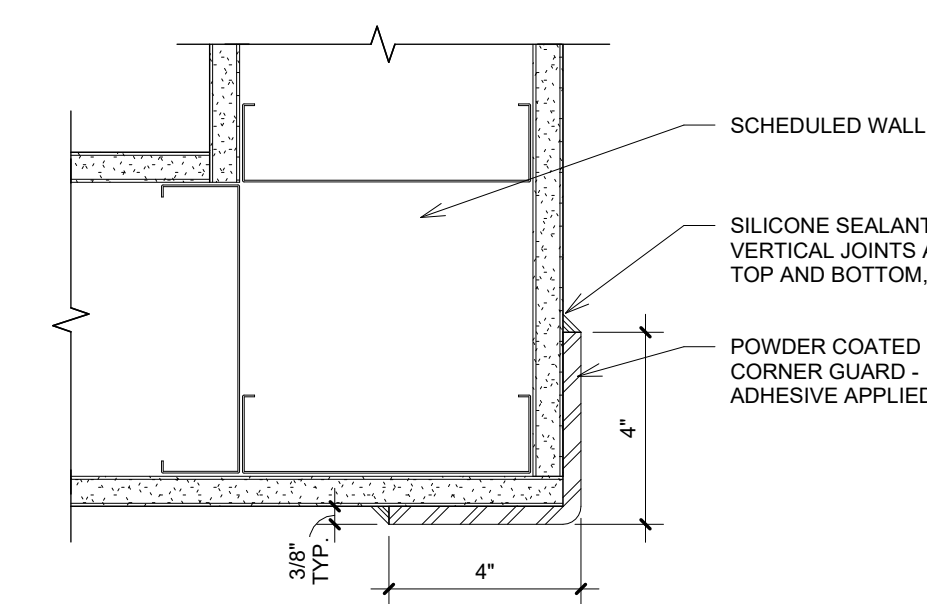


1 WOOD SCREEN DETAIL
A500 1 1/2\"/>

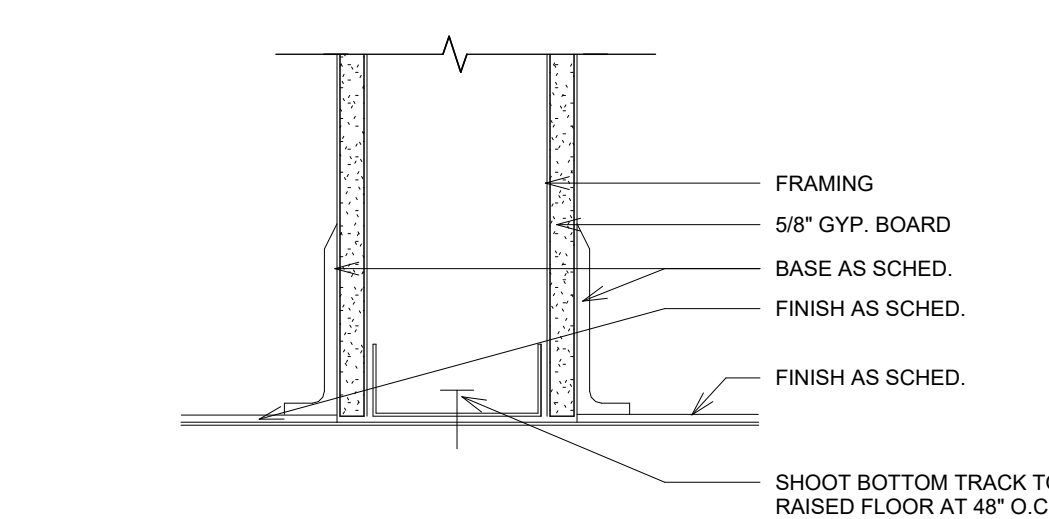


NOTES:
1. FOR CEILING TYPE, SEE PLANS
2. DUCTS WITHIN TEN FEET OF THE CEILING PENETRATION SHALL BE INTERNALLY LINED SHEET METAL.

19 DUCT PENETRATION AT SOUND WALL
A500 3' = 1'-0"

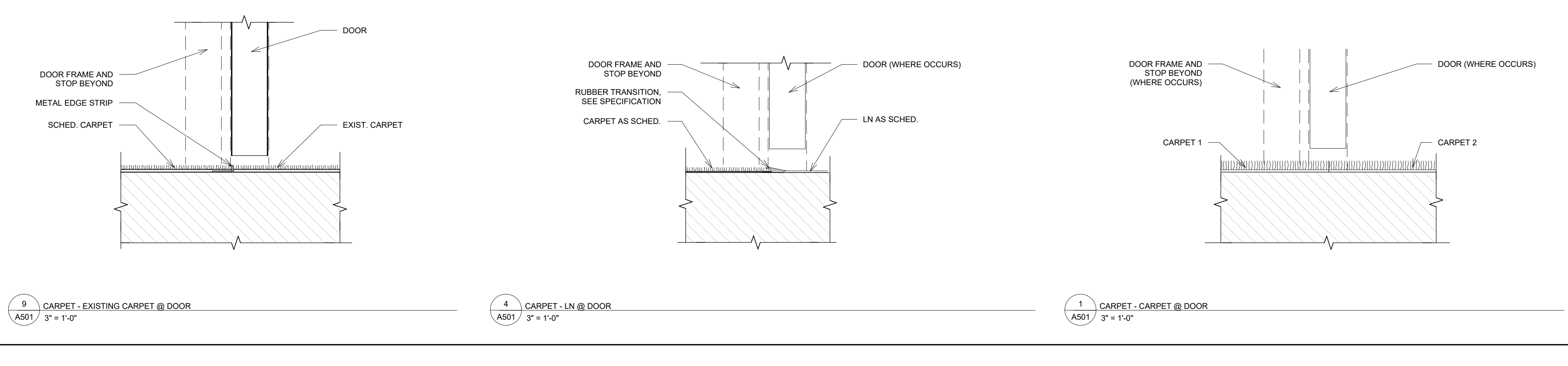
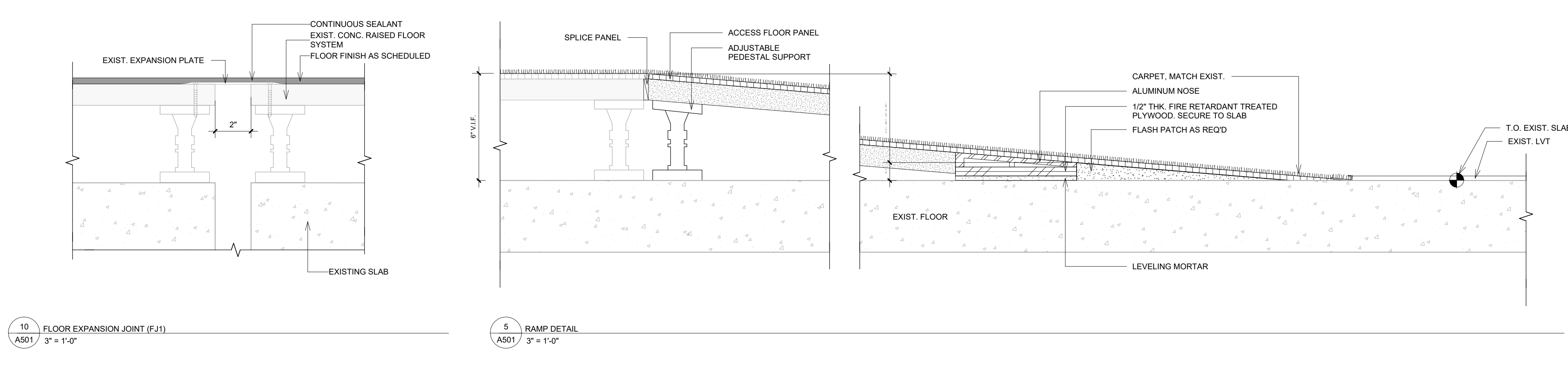
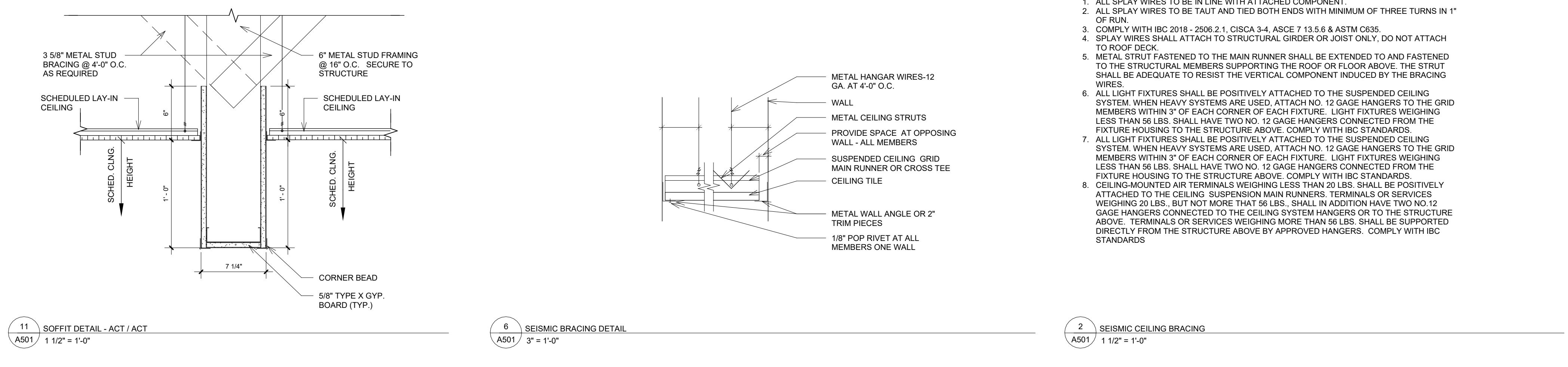
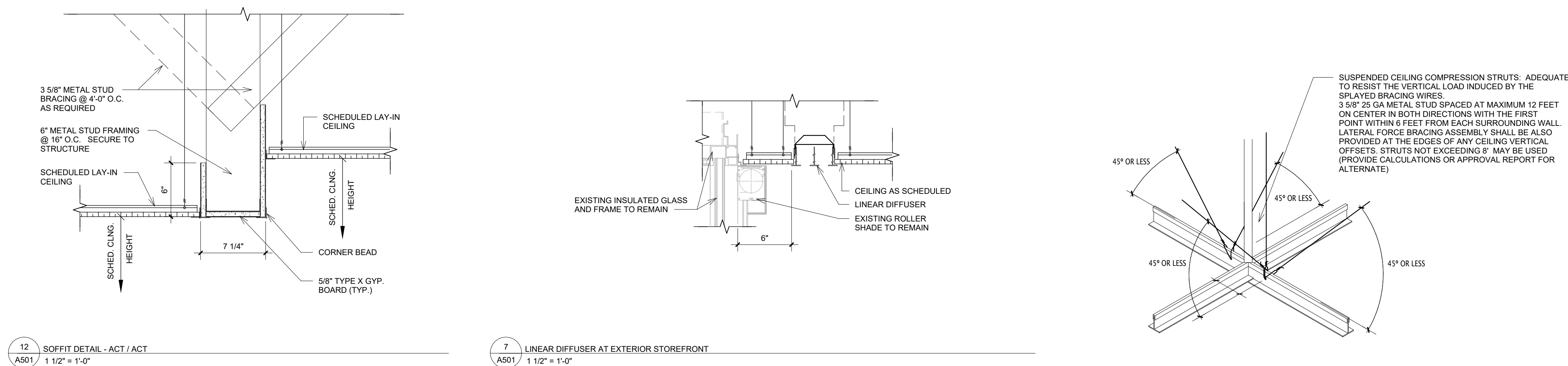
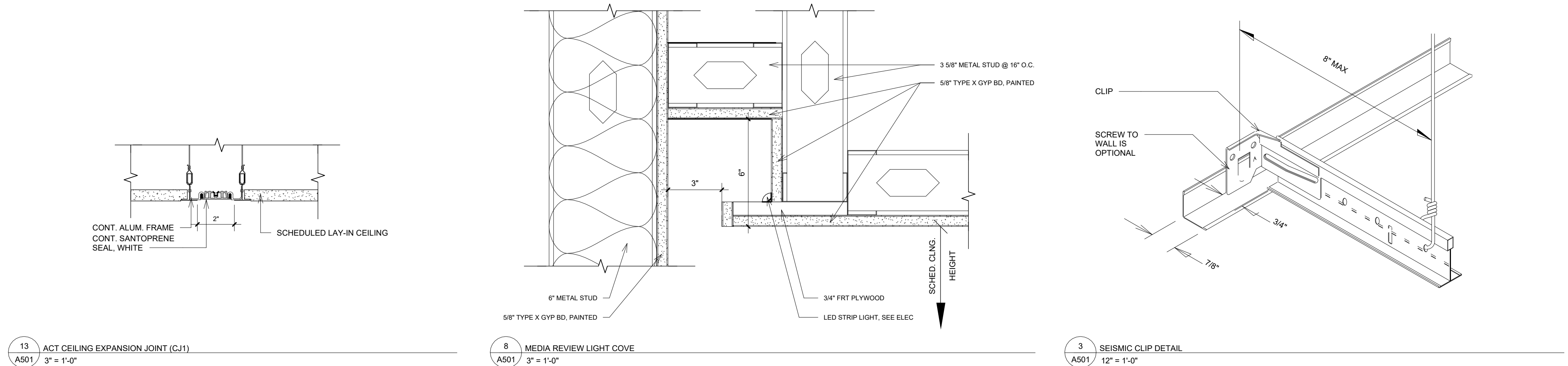


10 STANDARD-CORNER GUARD DTL
A500 3' = 1'-0"



5 TYP. BOTTOM OF WALL
A500 3' = 1'-0"

WELLNESS GYM & RESILIENCY CENTER



No	Description	Date



CONSTRUCTION DOCUMENTS

295 CHIPETA WAY
SALT LAKE CITY, UT 84108

22735
10.30.2024

FLOOR + CEILING DETAILS

A501

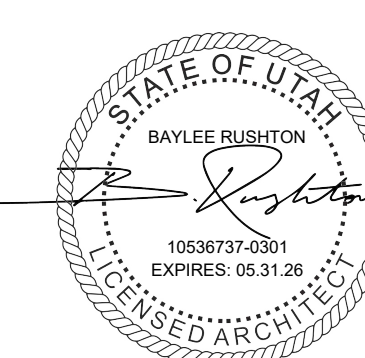
Scale As indicated

ELEV. LEGEND

- P1 = PAINT, COLOR: 7568 WESTHIGHLAND WHITE
- P2 = PAINT, COLOR: 6484 LAKESHORE
- F1 = FELT, COLOR: GREEN
- F2 = FELT, COLOR: PINK
- F3 = FELT, COLOR: PURPLE
- F4 = FELT, COLOR: ORANGE
- RP1 = RESIN PANEL, COLOR: KILT + WHITE OUT
- L1 = LAMINATE, COLOR: AGED ASH
- L2 = LAMINATE, COLOR: HUNTER GREEN
- TL1 = LAMINATE TEXTURED PANEL, FINISH: FILA, SALINAS OAK
- TF1 = FELT TEXTURED PANEL, FINISH: BOLLA, MIDNIGHT
- WS1 = WOOD SCREEN, SPECIES/FINISH: AMERICAN OAK / NATURAL
- SS1 = SOLID SURFACE COUNTERTOP, COLOR: FROSTY WHITE MIRAGE
- UP1 = UPHOLSTERY, COLOR: NICO 016 POSH
- RB1 = RUBBER BASE, COLOR: T2 SHARK FIN
- RB2 = RUBBER BASE, COLOR: GREY WG
- GW1 = GLASS WALL, SEE SPEC.
- GW2 = GLASS WALL, SEE SPEC.
- MB1 = MARKER BOARD 4'X6', SEE SPEC.

STUDIO LP

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Shums Coda Associates

GENETIC SCIENCE
LEARNING CENTER

CONSTRUCTION DOCUMENTS

DFCM SEAL

No	Description	Date

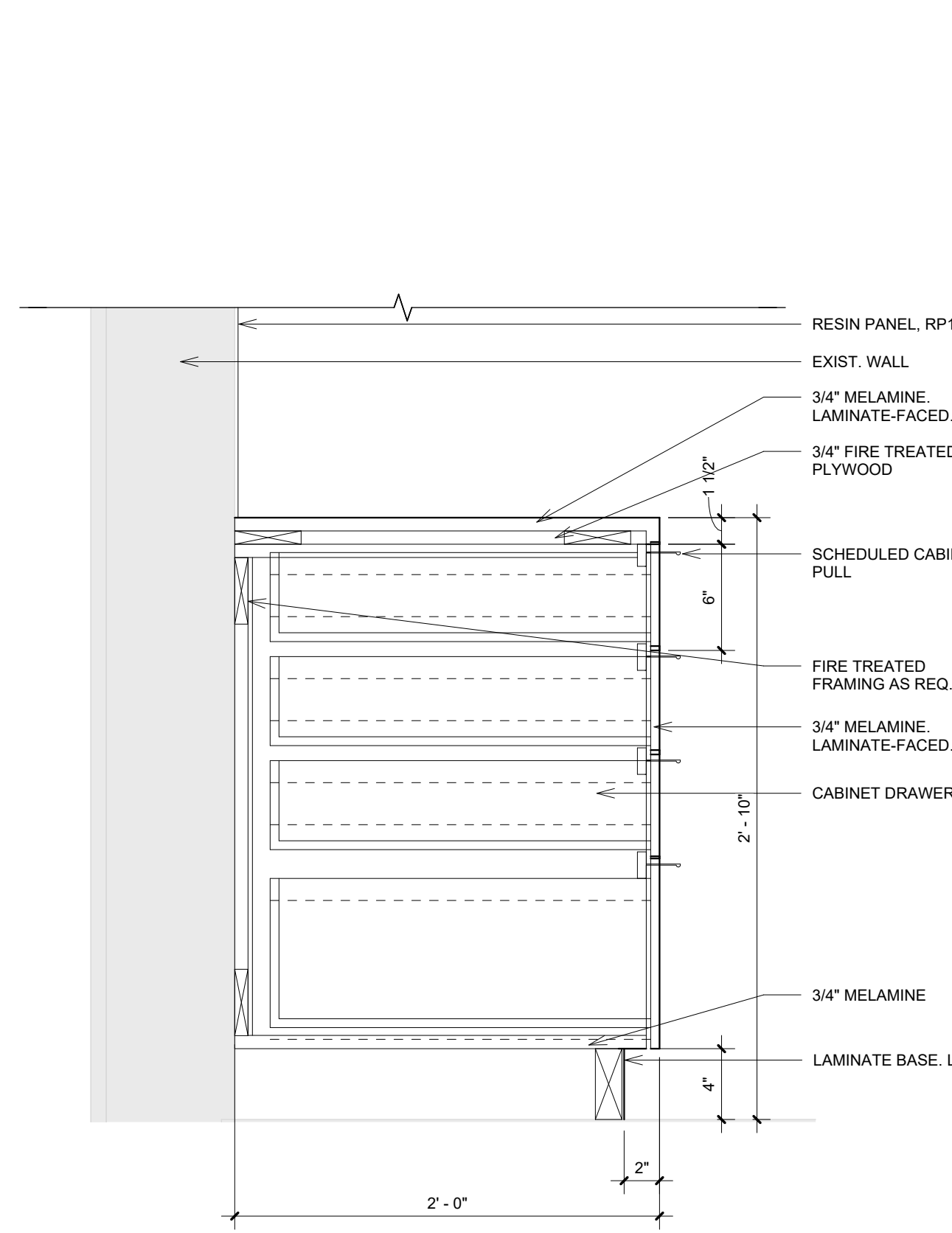


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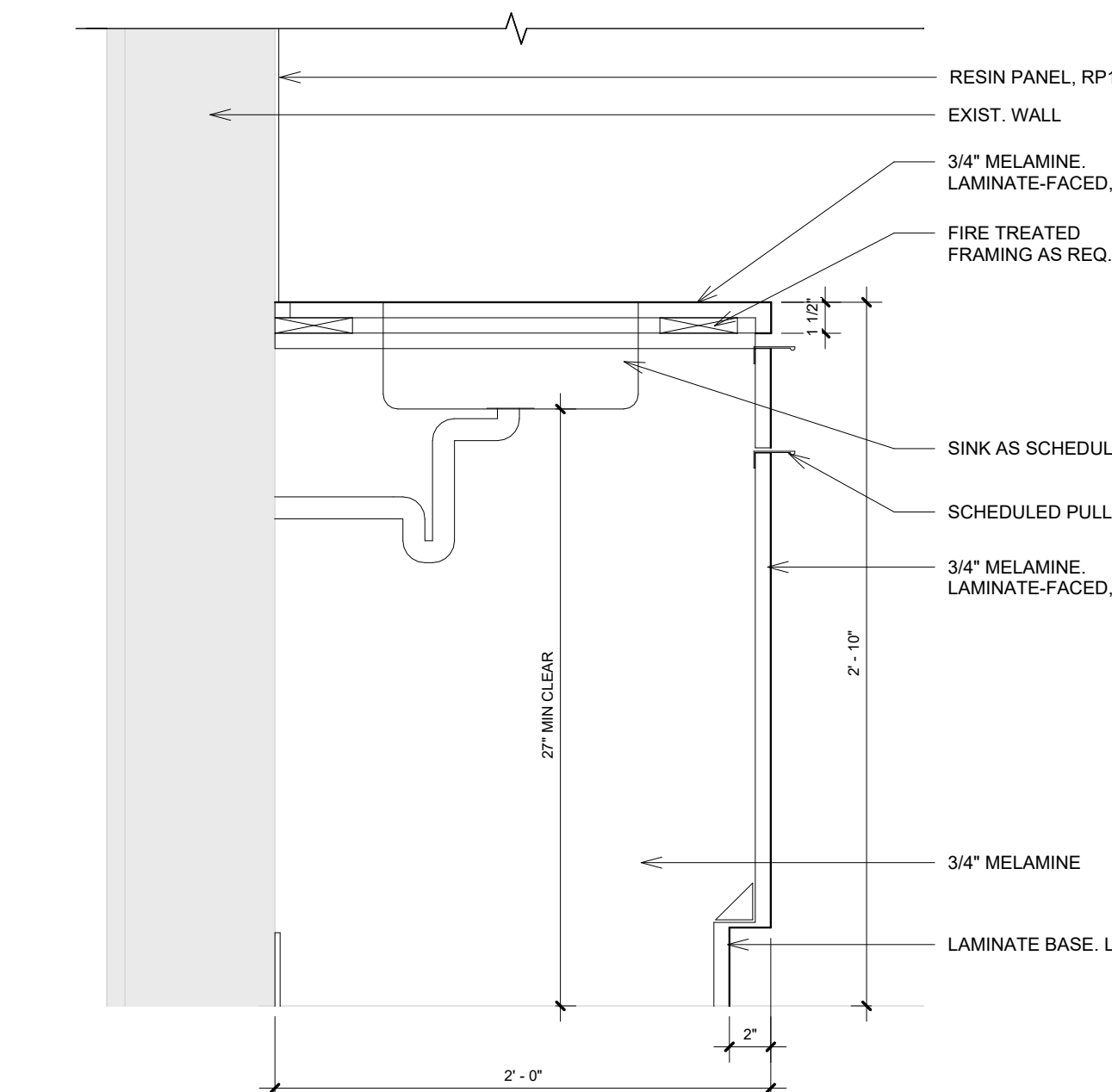
22812
10.30.2024

MILLWORK

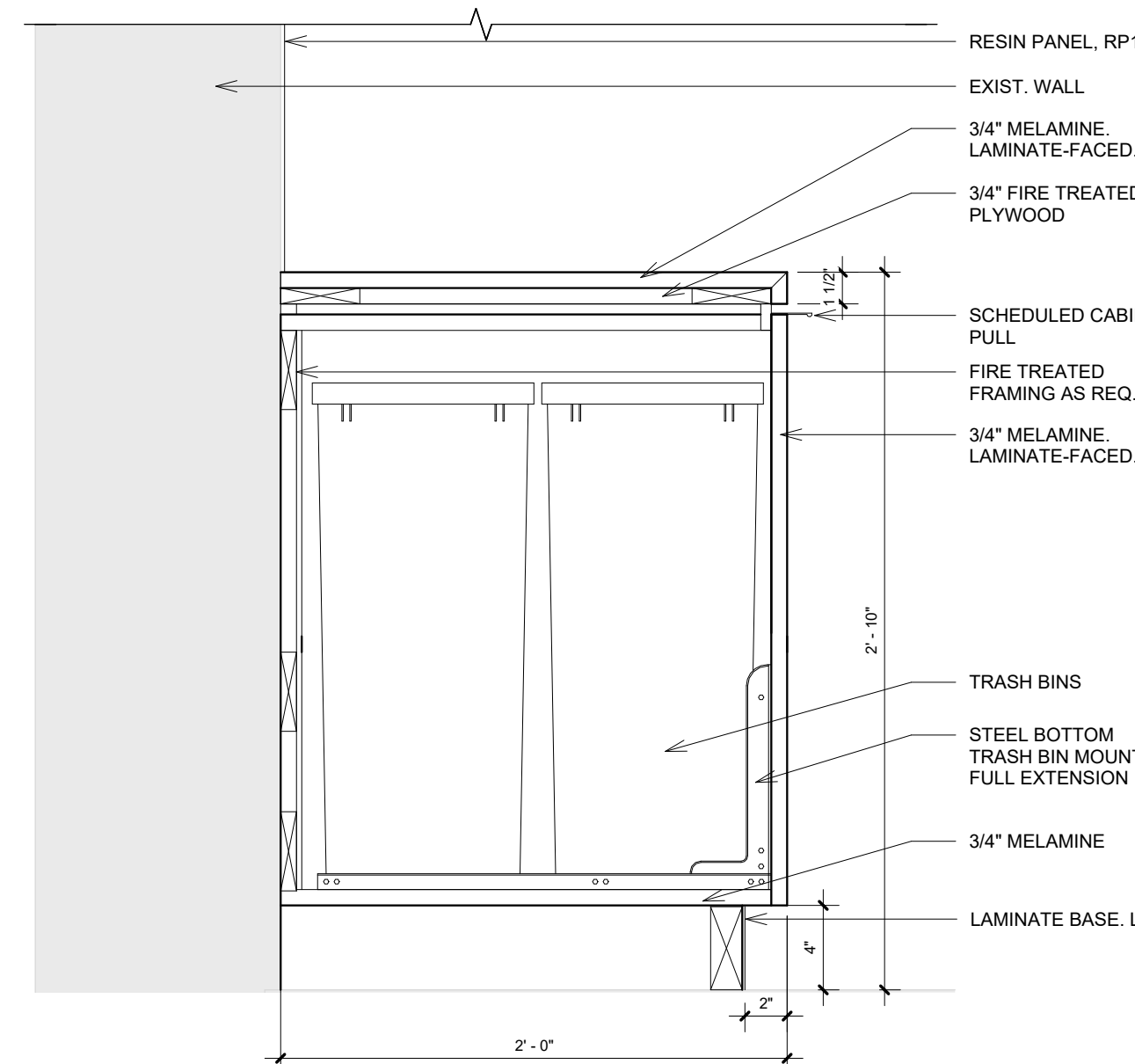
A515
Scale As indicated



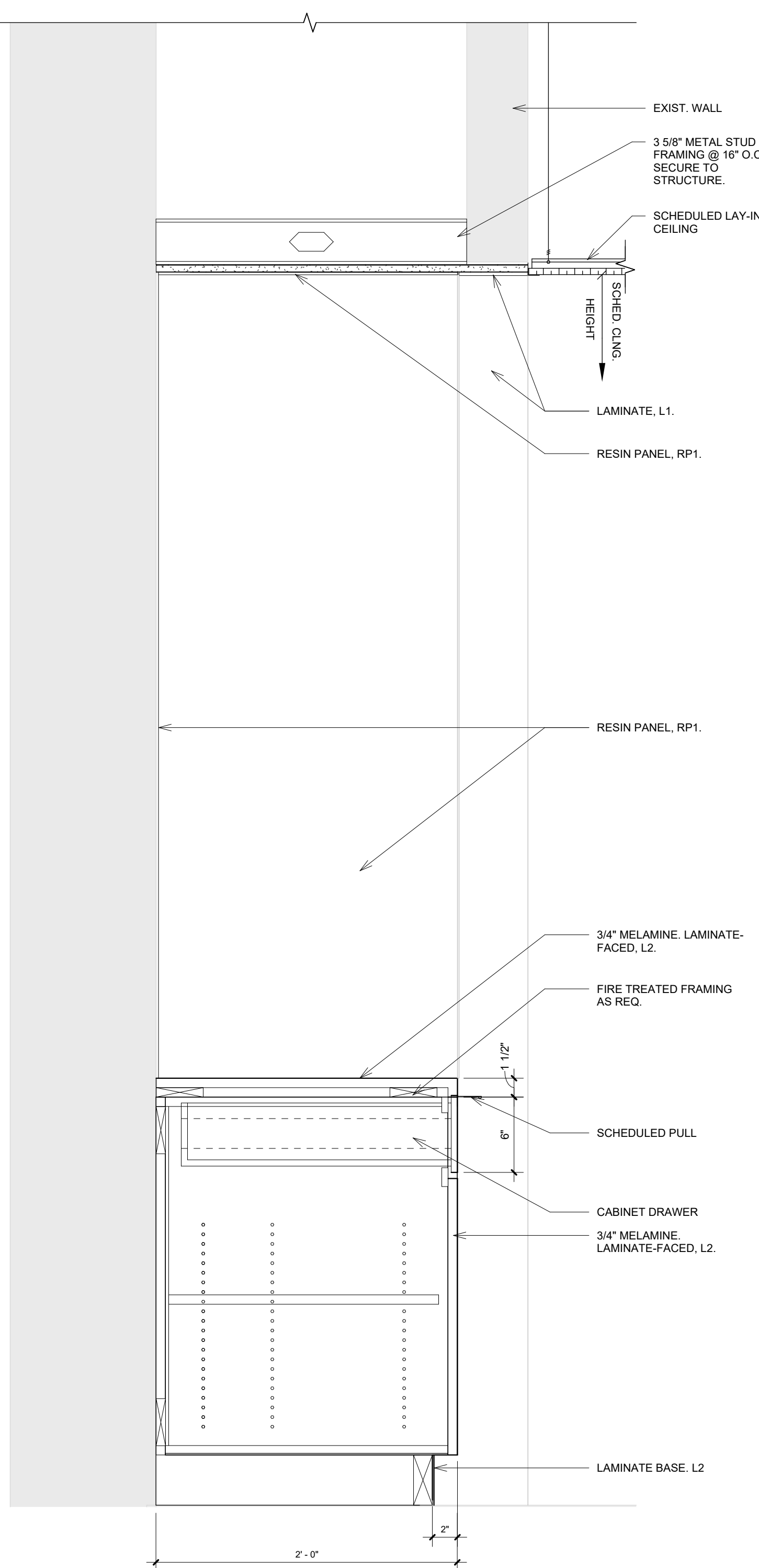
13 M3 - SNACK BAR LOWER DRAWERS
A515 1 1/2" = 1'-0"



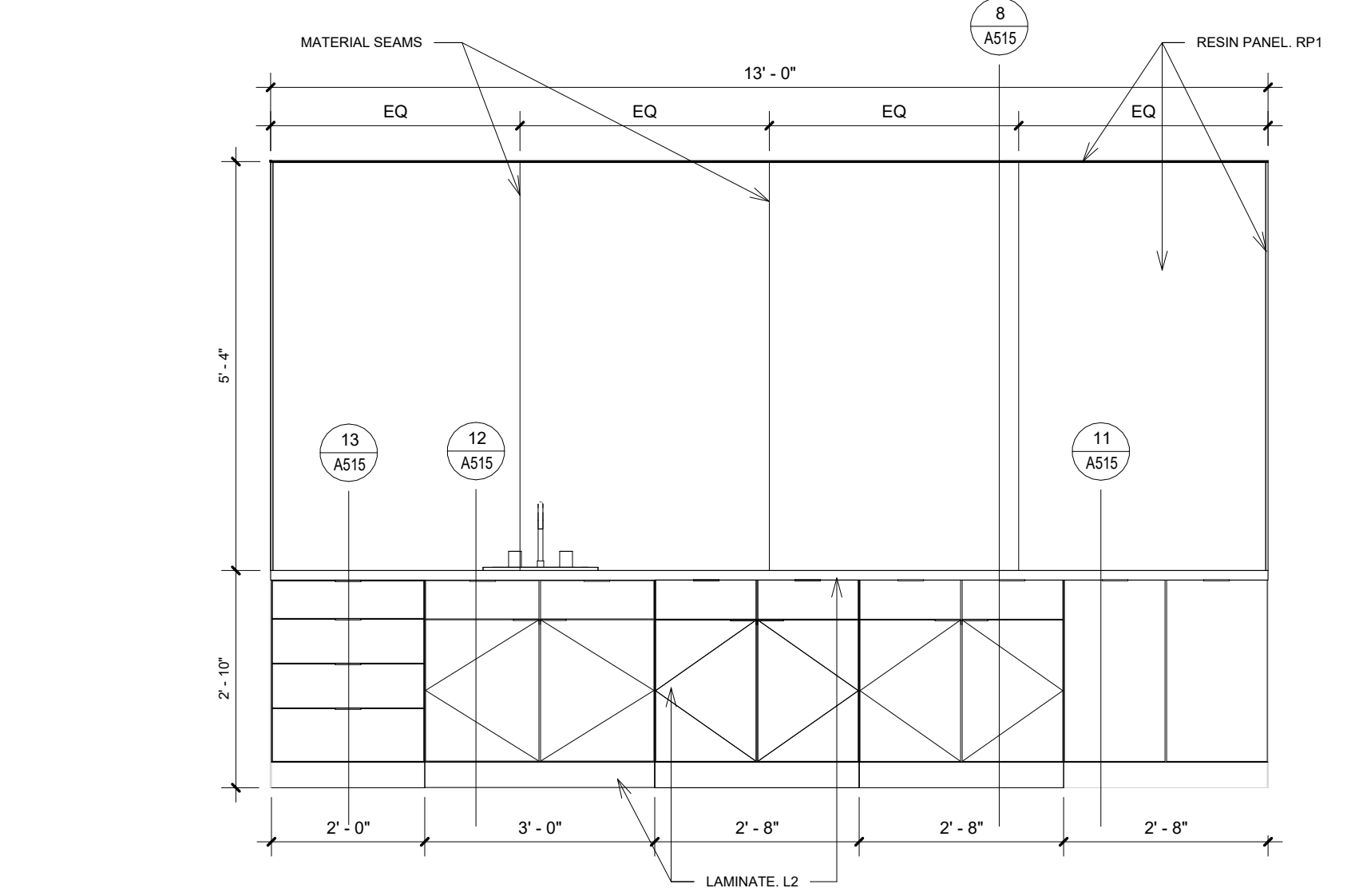
12 M5 - SNACK BAR ADA SINK
A515 1 1/2" = 1'-0"



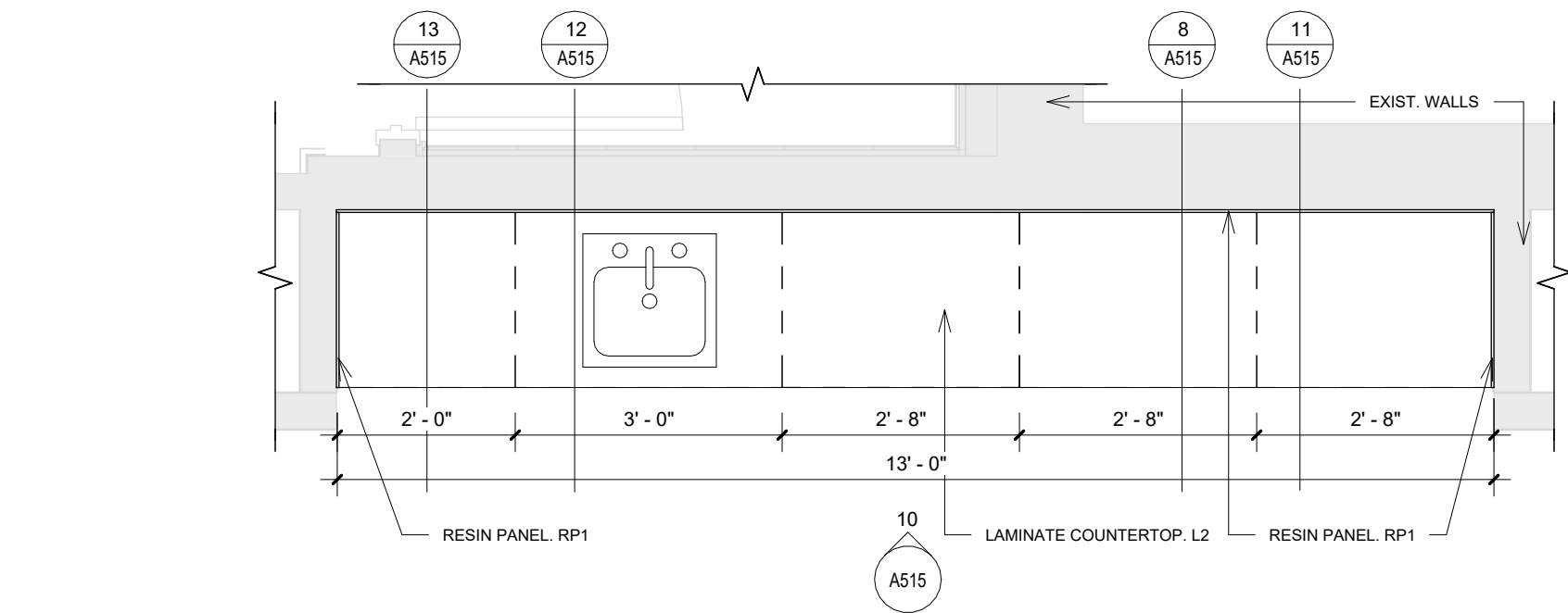
11 M3 - SNACK BAR TRASH DRAWER
A515 1 1/2" = 1'-0"



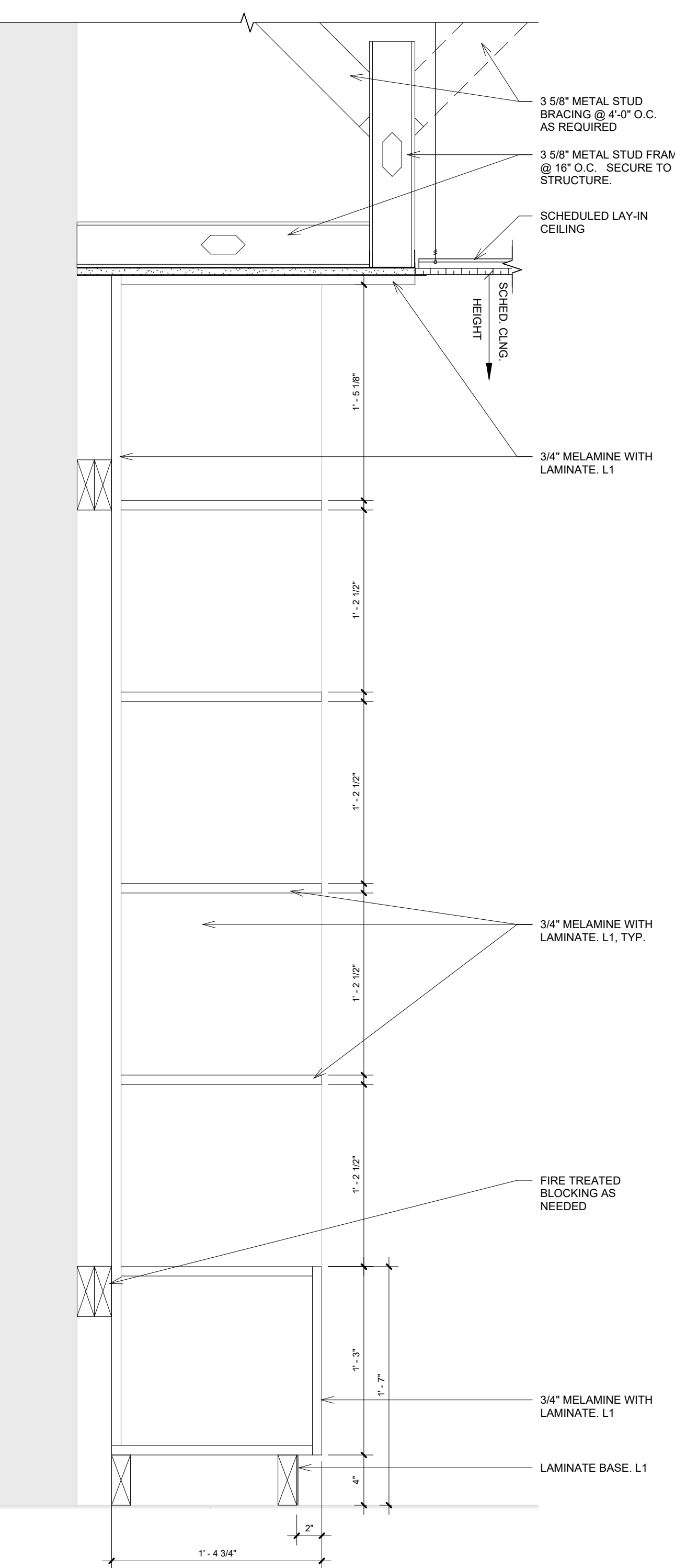
8 M3 - SNACK BAR CABINET AND CEILING DETAIL
A515 1 1/2" = 1'-0"



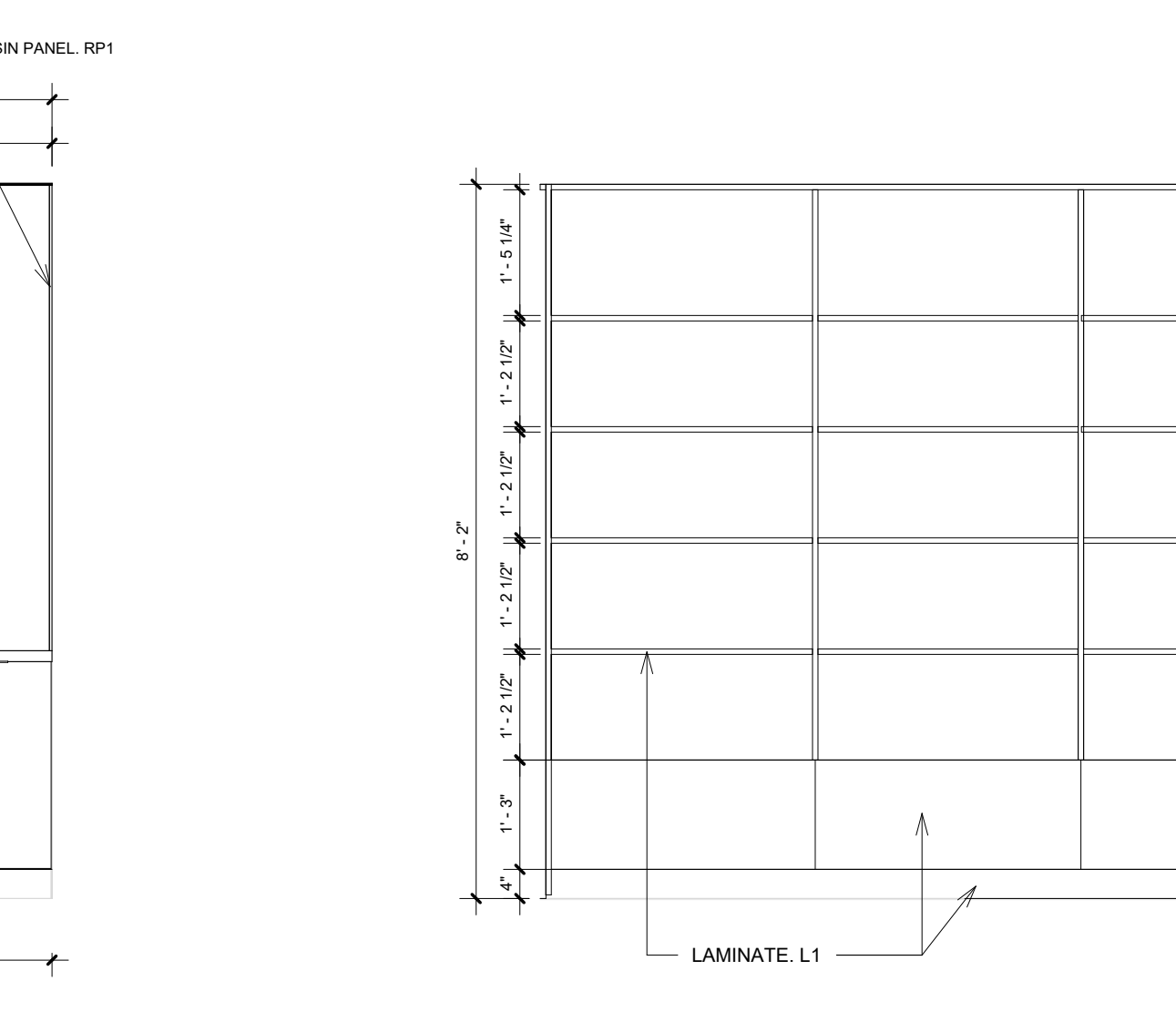
10 M3 - SNACK BAR ELEV.
A515 1/2" = 1'-0"



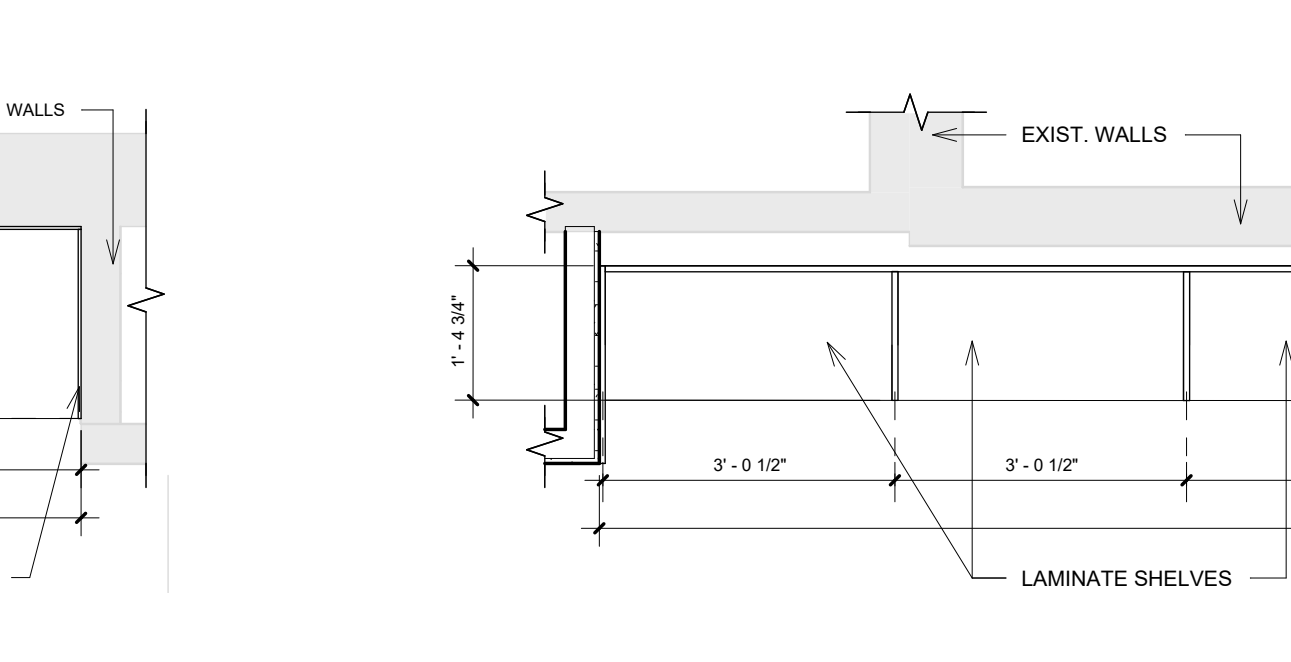
9 M3 - SNACK BAR PLAN
A515 1/2" = 1'-0"



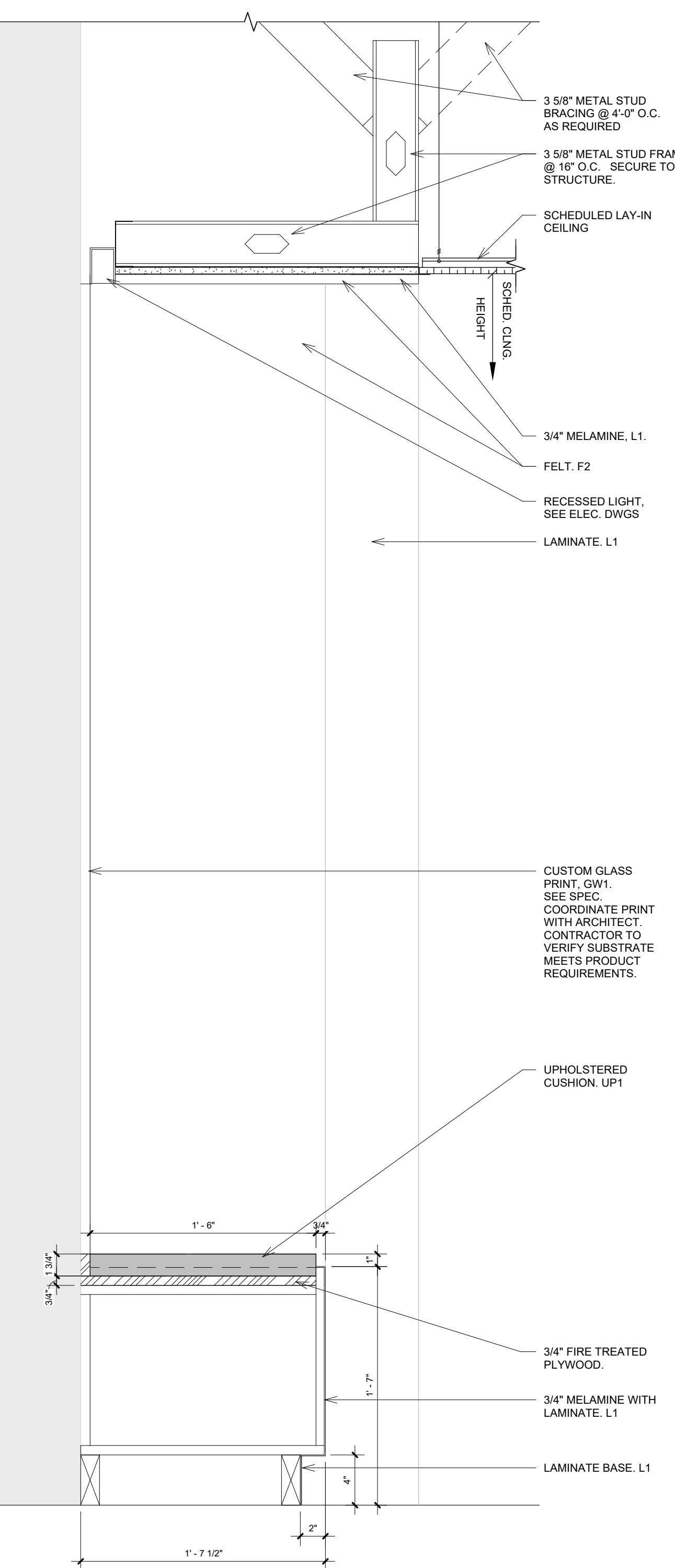
7 M2 - ENTRY SHELVES
A515 1 1/2" = 1'-0"



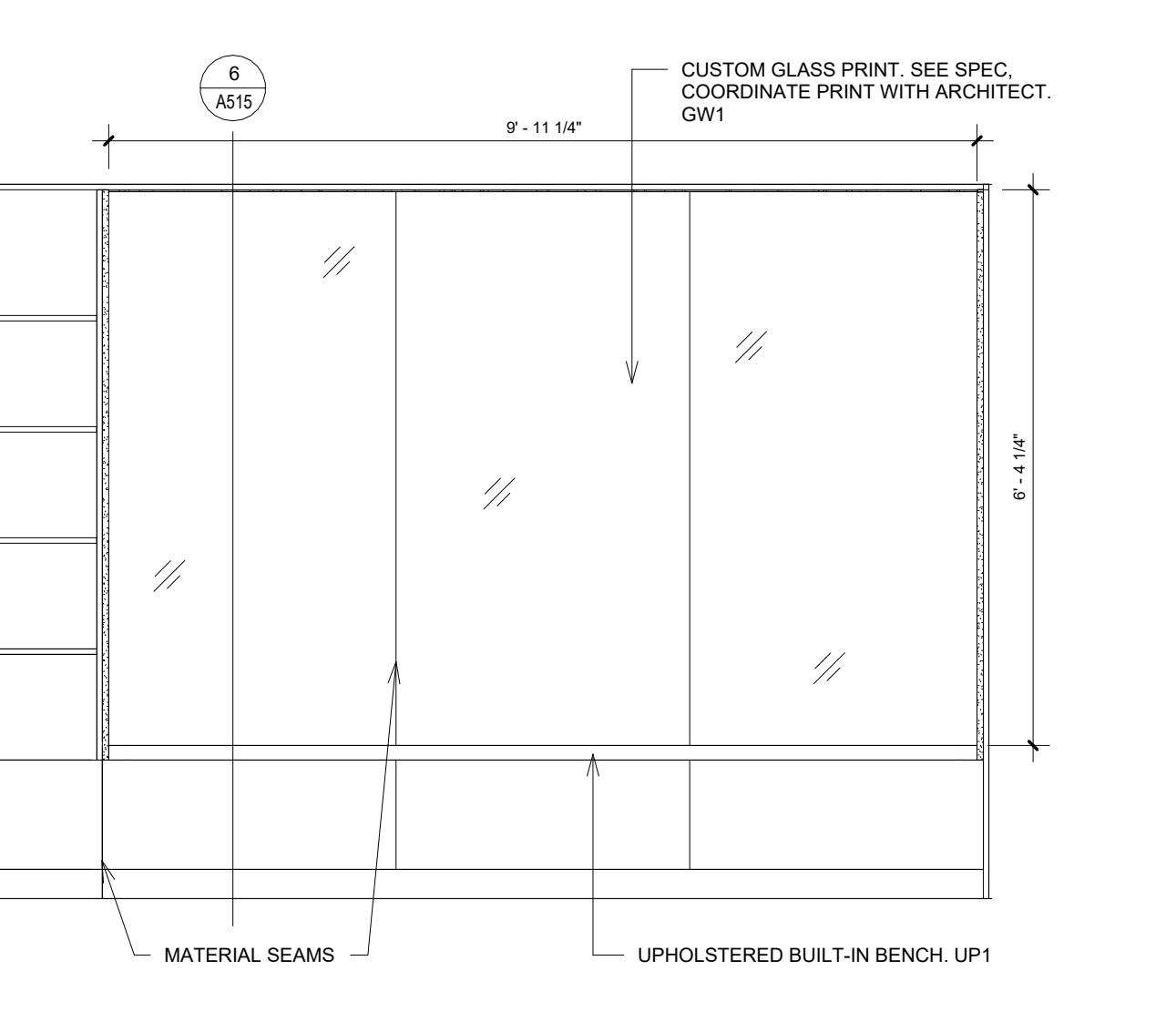
5 M2 - ENTRY BENCH & SHELVES ELEV.
A515 1/2" = 1'-0"



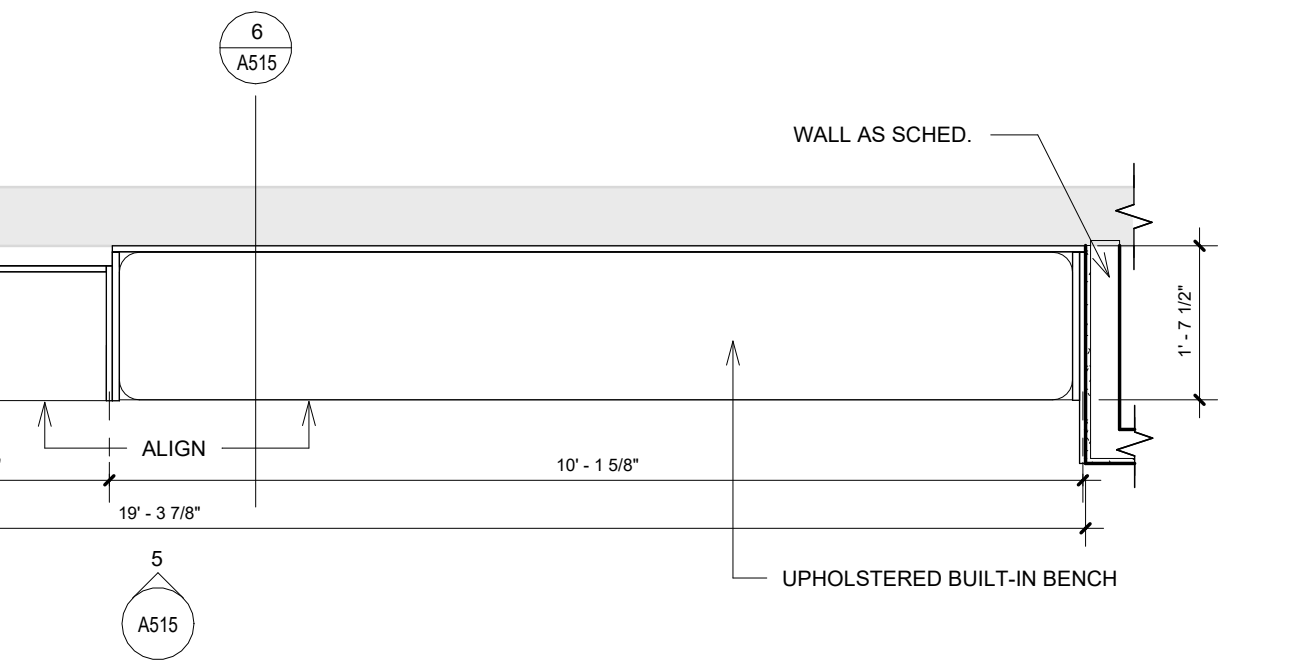
4 M2 - ENTRY BENCH & SHELVES PLAN
A515 1/2" = 1'-0"



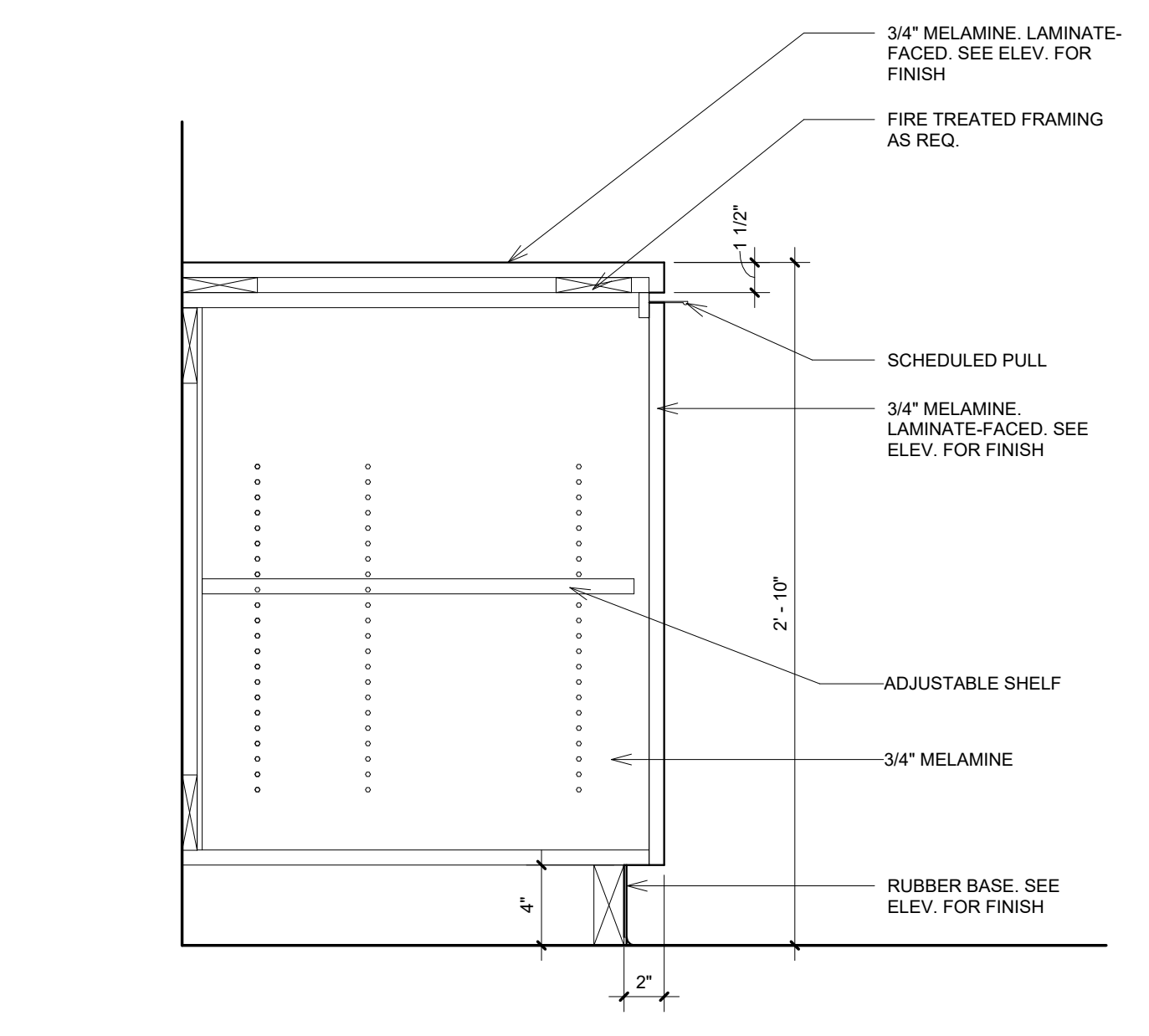
6 M2 - ENTRY BENCH
A515 1 1/2" = 1'-0"



2 M1 - CONFERENCE ROOM MILLWORK ELEV.
A515 1/2" = 1'-0"



1 M1 - CONFERENCE ROOM MILLWORK PLAN
A515 1/2" = 1'-0"



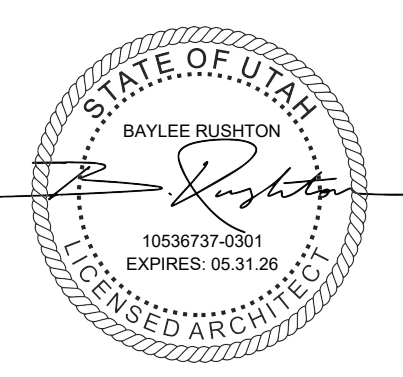
3 LOWER CABINET W/DRAWER
A515 1 1/2" = 1'-0"

ELEV. LEGEND

- P1 = PAINT, COLOR: 7566 WESTHIGHLAND WHITE
- P2 = PAINT, COLOR: 6494 LAKESHORE
- F1 = FELT, COLOR: GREEN
- F2 = FELT, COLOR: PINK
- F3 = FELT, COLOR: PURPLE
- F4 = FELT, COLOR: ORANGE
- RP1 = RESIN PANEL, COLOR: KILT + WHITE OUT
- L1 = LAMINATE, COLOR: AGED ASH
- L2 = LAMINATE, COLOR: HUNTER GREEN
- TL1 = LAMINATE TEXTURED PANEL, FINISH: FILA, SALINAS OAK
- TF1 = FELT TEXTURED PANEL, FINISH: BOLLA, MIDNIGHT
- WS1 = WOOD SCREEN, SPECIES/FINISH: AMERICAN OAK / NATURAL
- SS1 = SOLID SURFACE COUNTERTOP, COLOR: FROSTY WHITE MIRAGE
- UP1 = UPHOLSTERY, COLOR: NICO 016 POSH
- RB1 = RUBBER BASE, COLOR: TG2 SHARK FIN
- RB2 = RUBBER BASE, COLOR: GREY WG
- GW1 = GLASS WALL, SEE SPEC.
- GW2 = GLASS WALL, SEE SPEC.
- MB1 = MARKER BOARD 4'X6', SEE SPEC.

STUDIO LP

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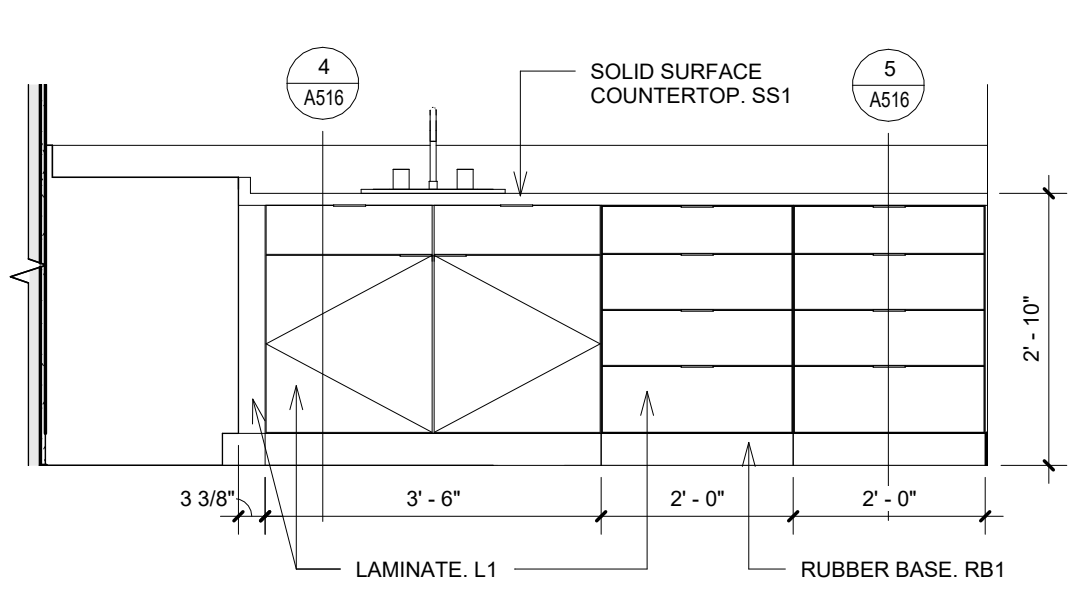
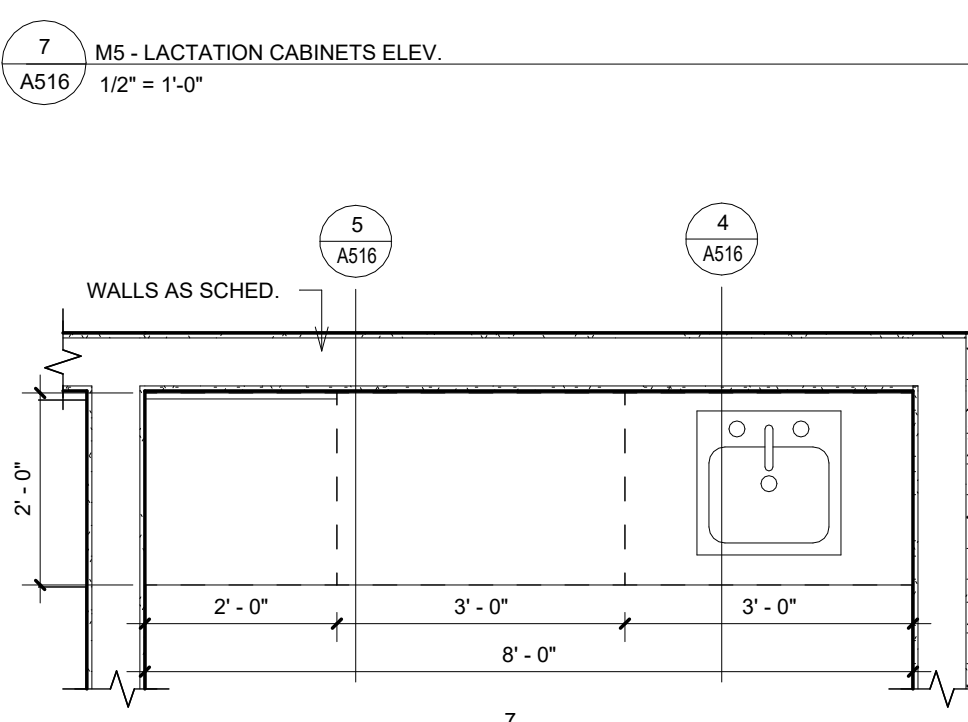
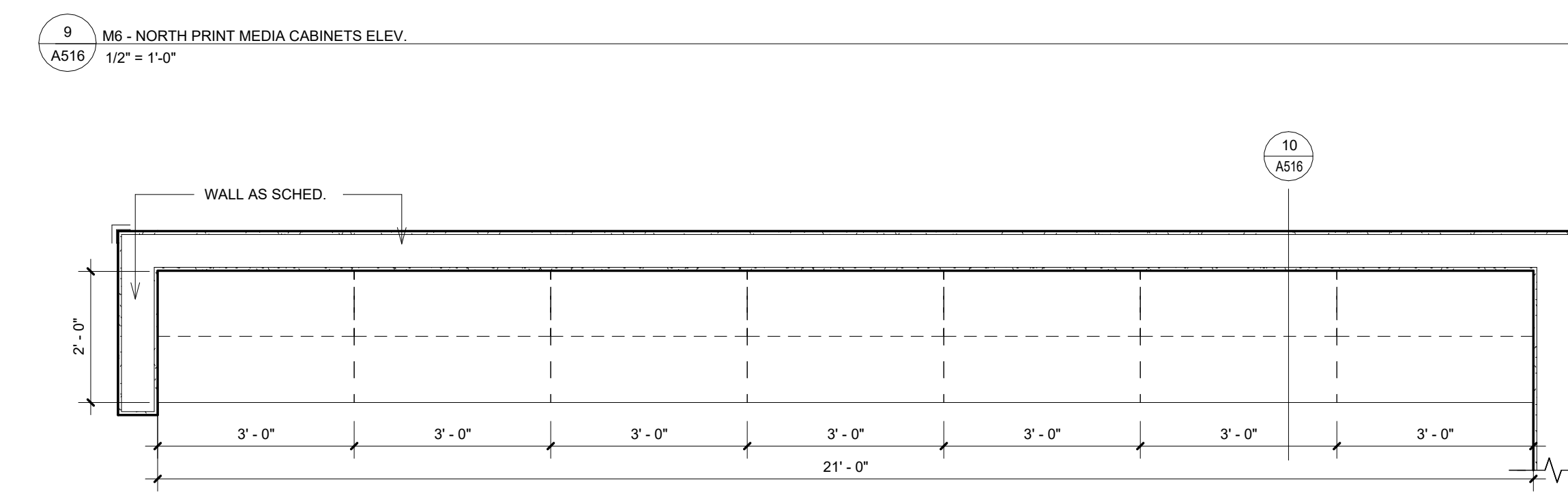
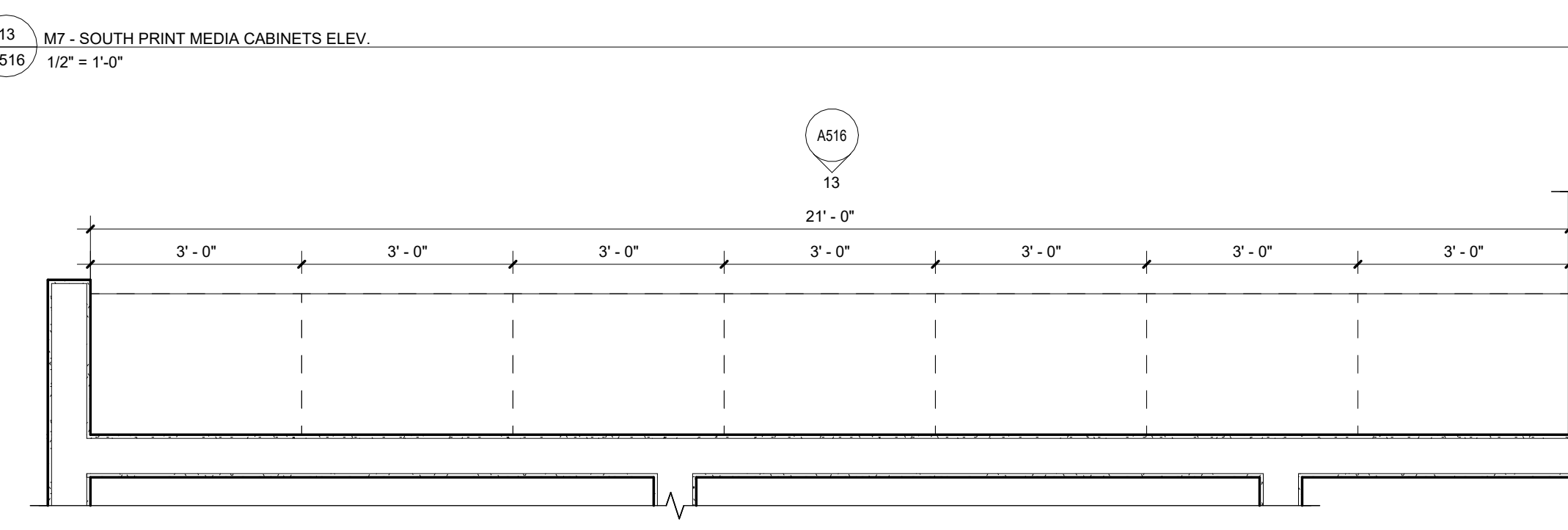
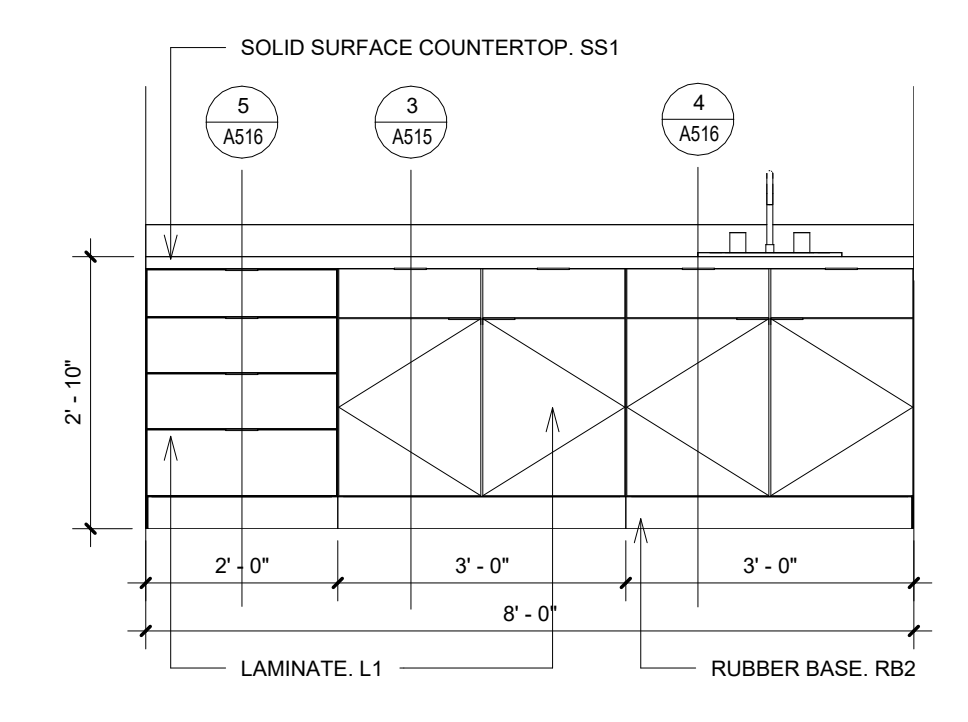
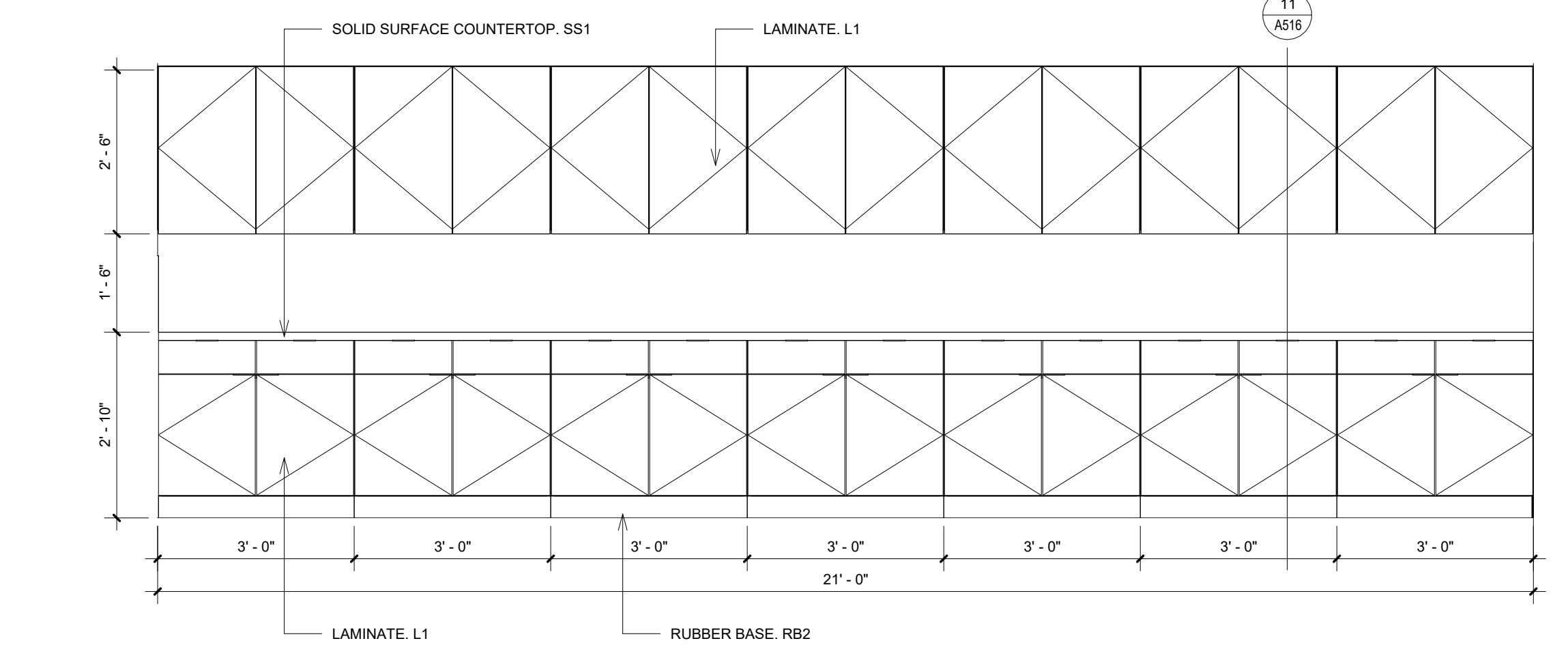
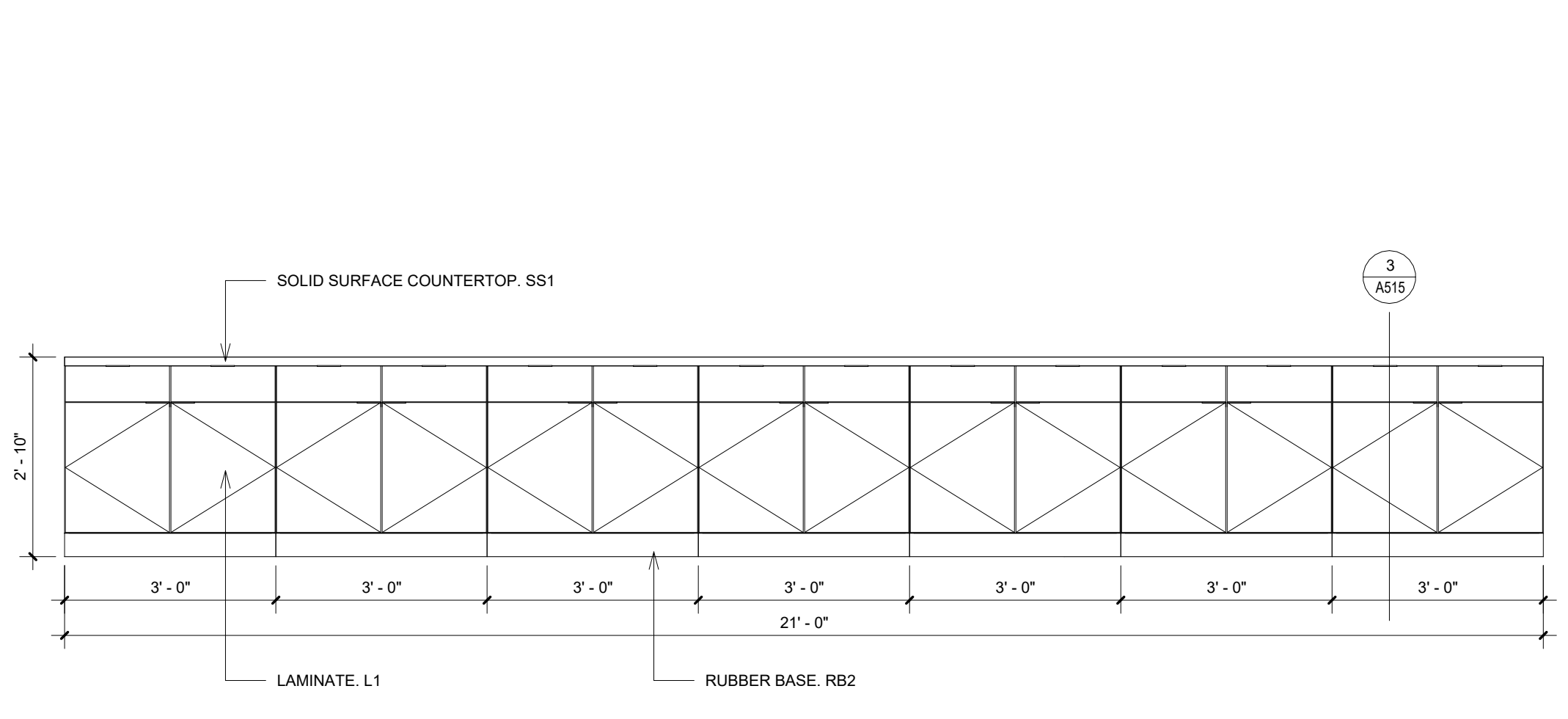


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MILLWORK

A516
Scale As indicated

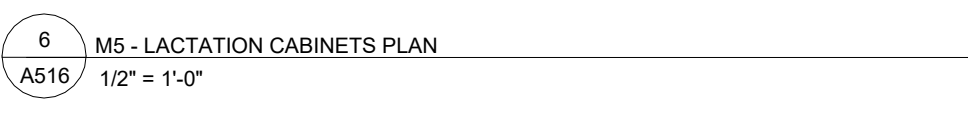
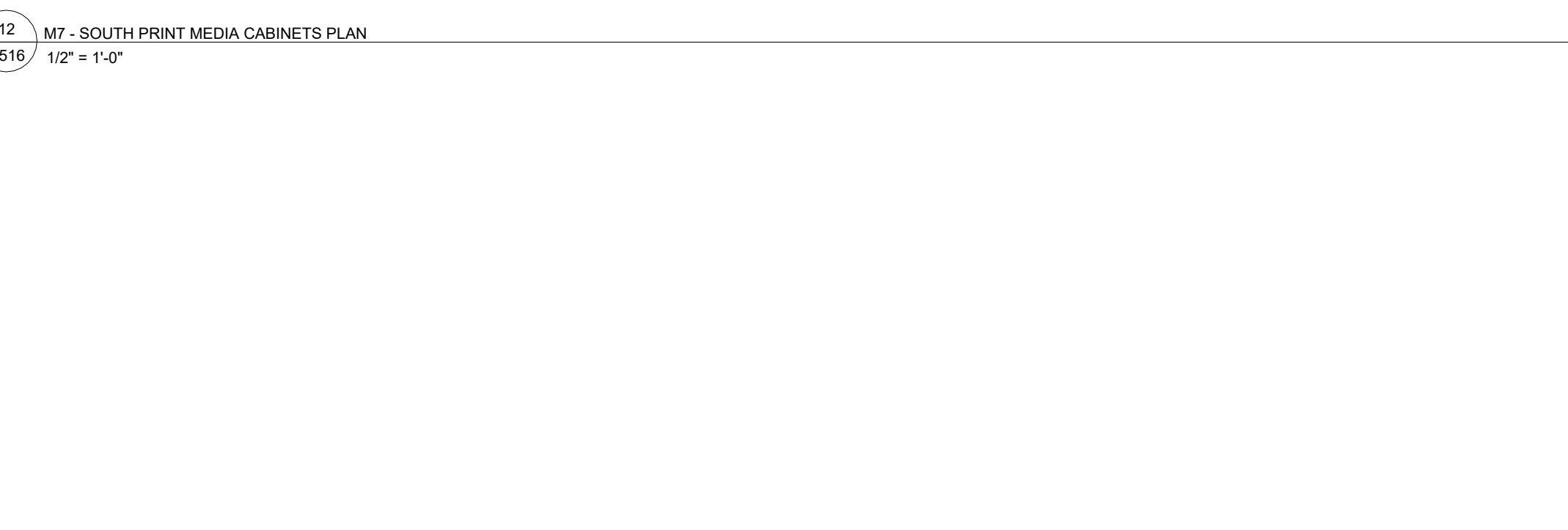


13 MT - SOUTH PRINT MEDIA CABINETS ELEV.
A516 / 1/2" = 1'-0"

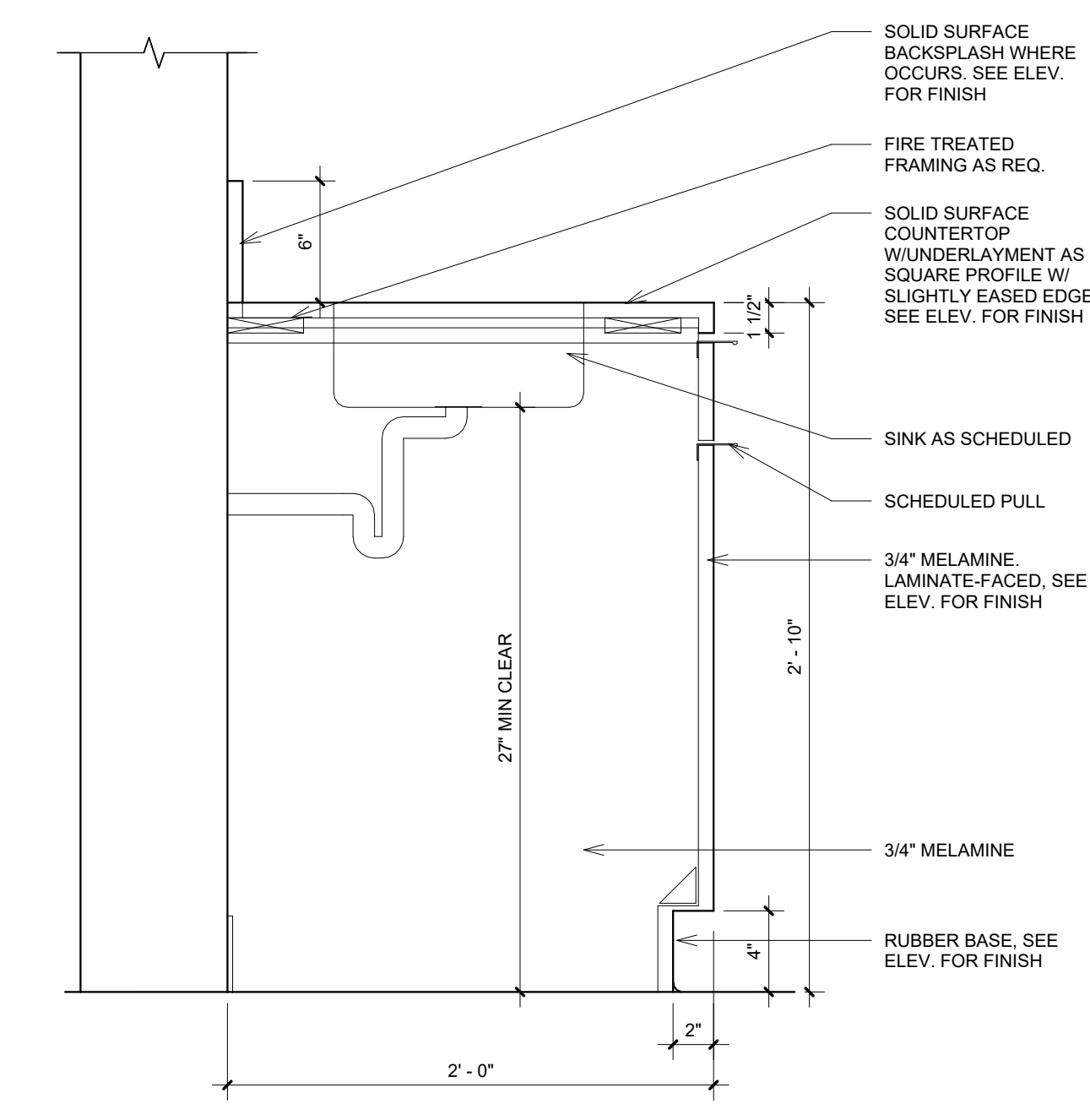
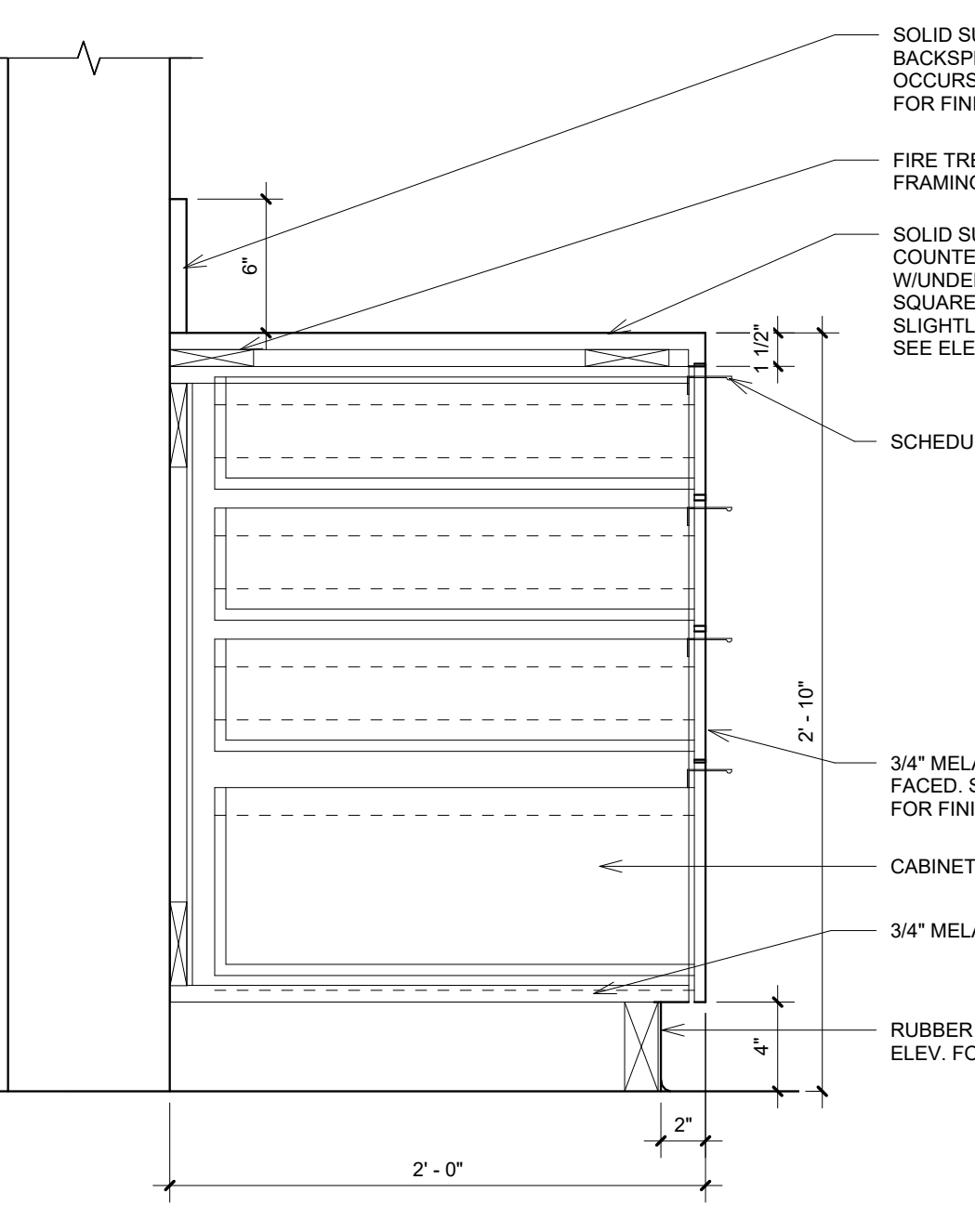
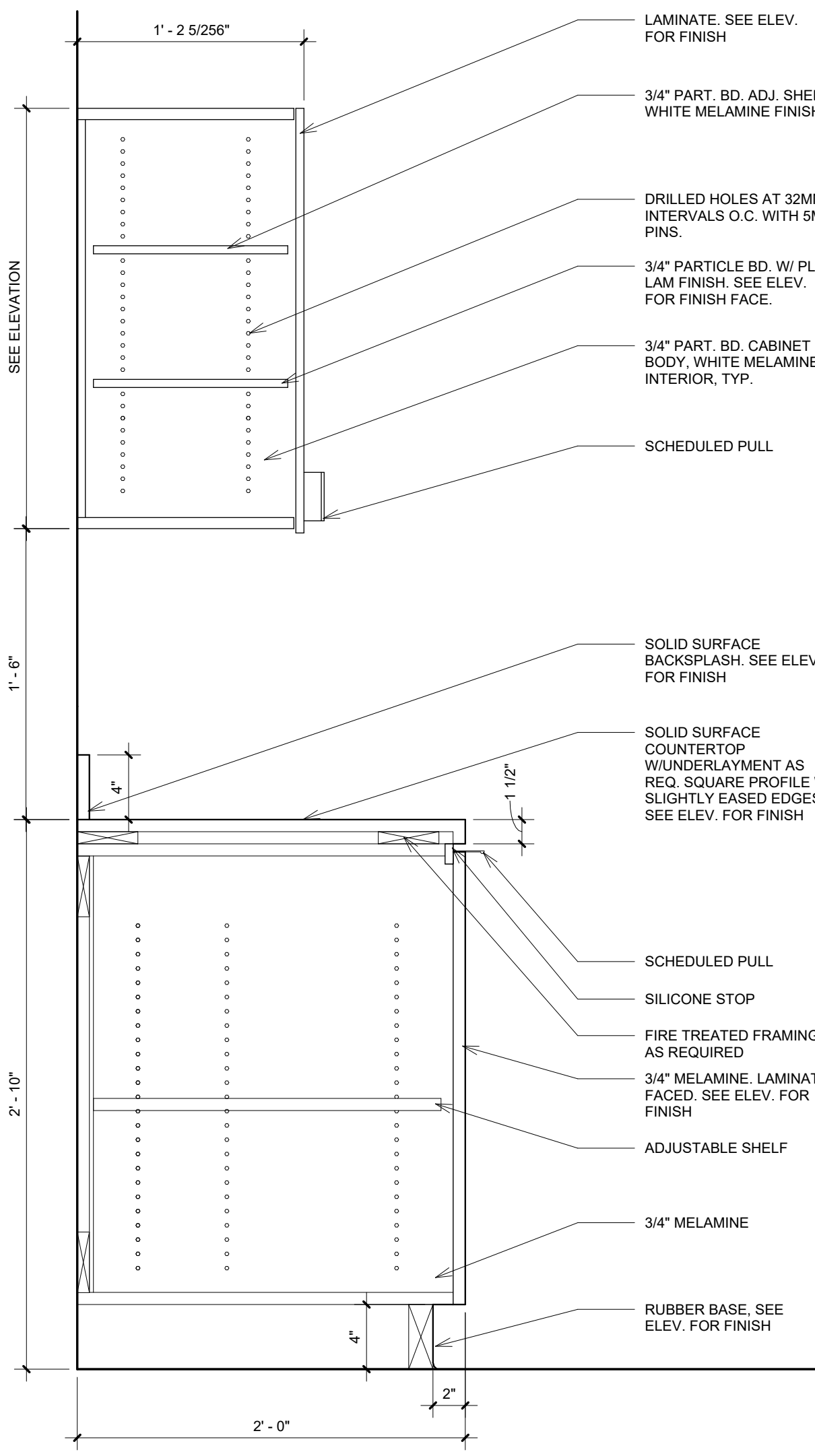
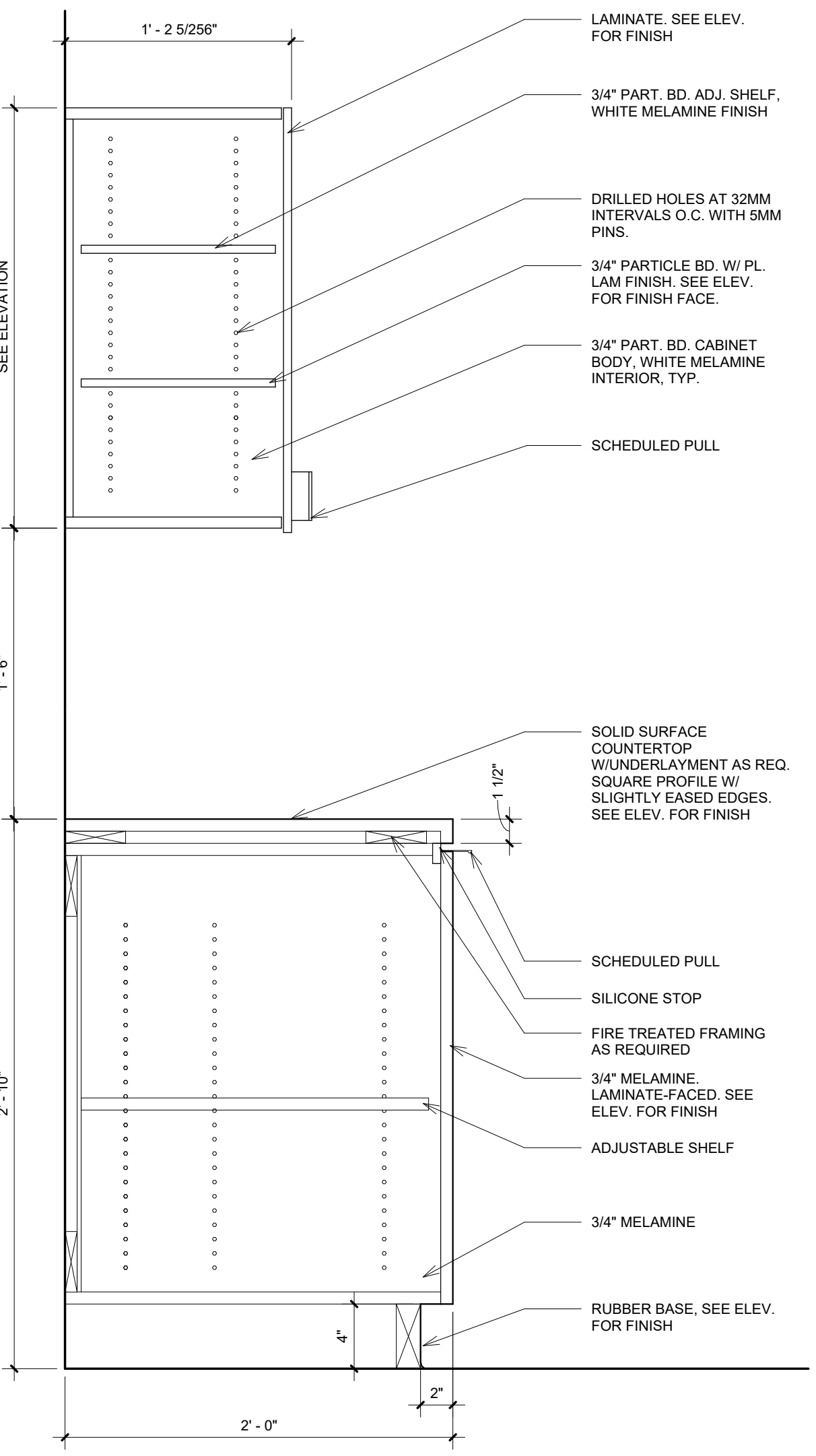
9 M6 - NORTH PRINT MEDIA CABINETS ELEV.
A516 / 1/2" = 1'-0"

7 M5 - LACTATION CABINETS ELEV.
A516 / 1/2" = 1'-0"

2 M4 - SUPPLIES CABINETS NORTH ELEV.
A516 / 1/2" = 1'-0"

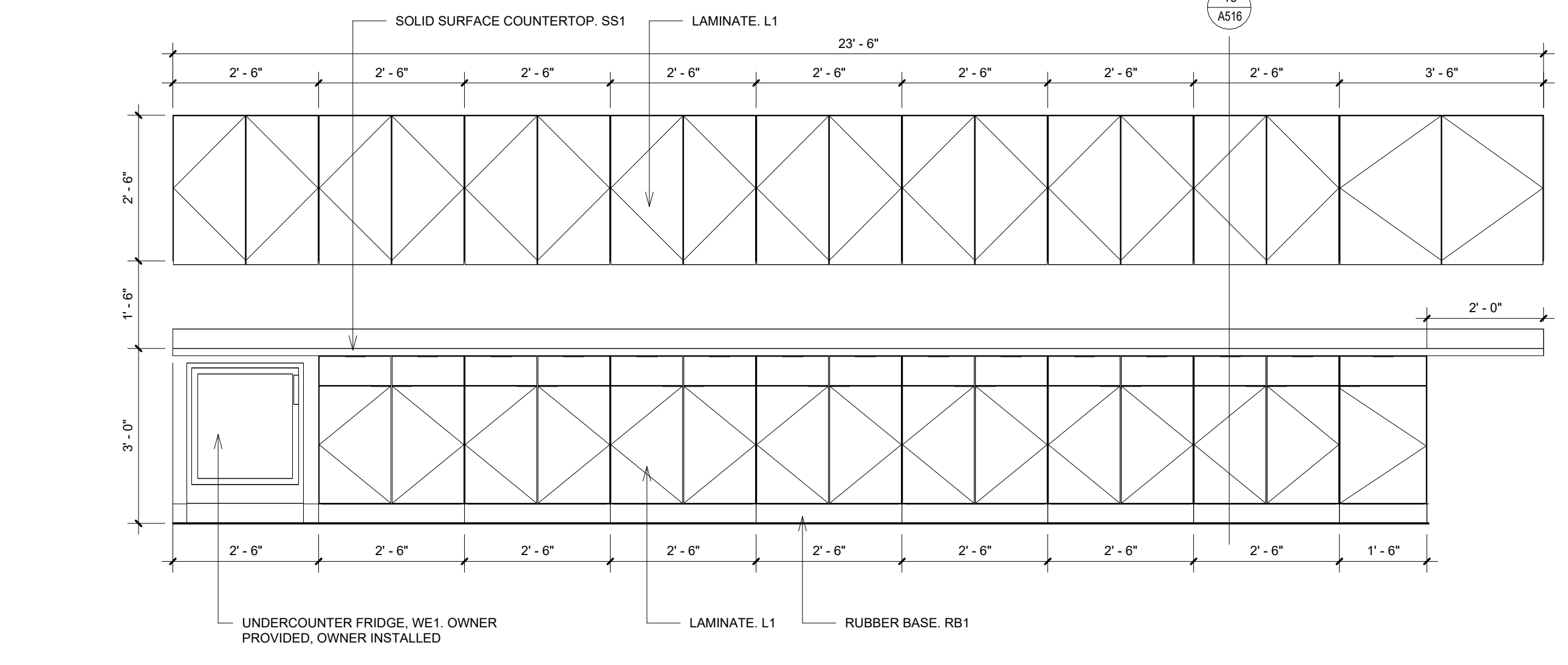


6 M5 - LACTATION CABINETS PLAN
A516 / 1/2" = 1'-0"

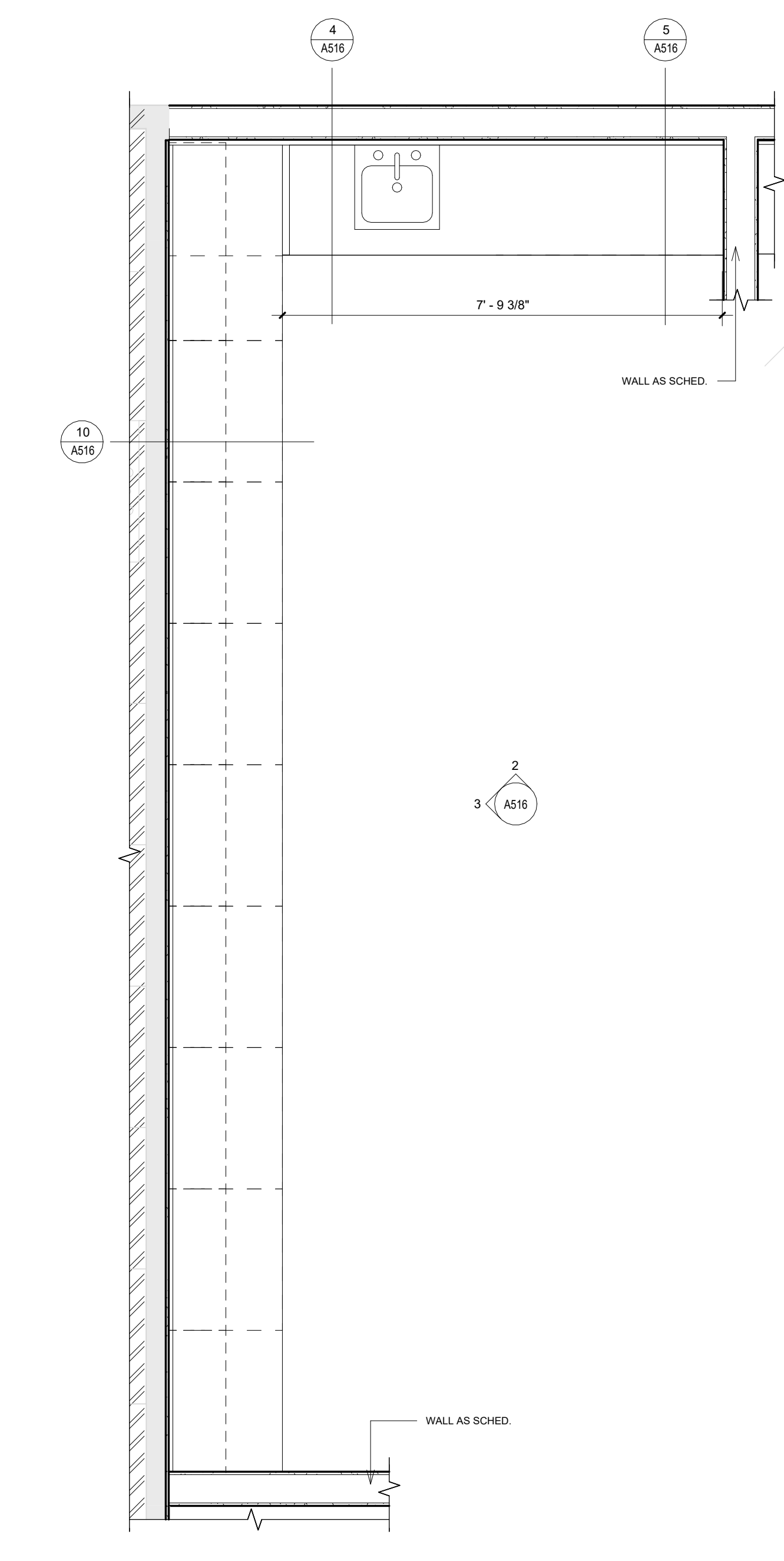


5 LOWER DRAWERS
A516 / 1 1/2" = 1'-0"

4 ADA SINK CABINET
A516 / 1 1/2" = 1'-0"



10 M4 - SUPPLIES CABINETS WEST ELEV.
A516 / 1/2" = 1'-0"

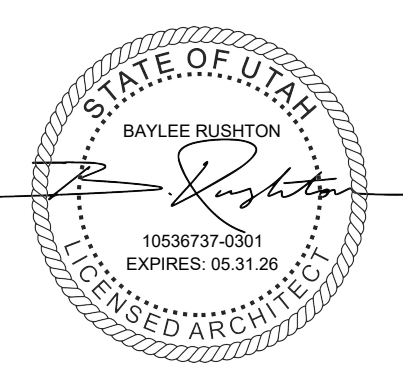


1 M4 - SUPPLIES CABINETS PLAN
A516 / 1/2" = 1'-0"

ELEV. LEGEND

- P1 = PAINT, COLOR: 7566 WESTHIGHLAND WHITE
- P2 = PAINT, COLOR: 6484 LAKESHORE
- F1 = FELT, COLOR: GREEN
- F2 = FELT, COLOR: PINK
- F3 = FELT, COLOR: PURPLE
- F4 = FELT, COLOR: ORANGE
- RP1 = RESIN PANEL, COLOR: KILT + WHITE OUT
- L1 = LAMINATE, COLOR: AGED ASH
- L2 = LAMINATE, COLOR: HUNTER GREEN
- TL1 = LAMINATE TEXTURED PANEL, FINISH: FILA, SALINAS OAK
- TF1 = FELT TEXTURED PANEL, FINISH: BOLLA, MIDNIGHT
- WS1 = WOOD SCREEN, SPECIES/FINISH: AMERICAN OAK / NATURAL
- SS1 = SOLID SURFACE COUNTERTOP, COLOR: FROSTY WHITE MIRAGE
- UP1 = UPHOLSTERY, COLOR: NICO 016 POSH
- RB1 = RUBBER BASE, COLOR: TG2 SHARK FIN
- RB2 = RUBBER BASE, COLOR: GREY WG
- GW1 = GLASS WALL, SEE SPEC.
- GW2 = GLASS WALL, SEE SPEC.
- MB1 = MARKER BOARD 4'X6', SEE SPEC.

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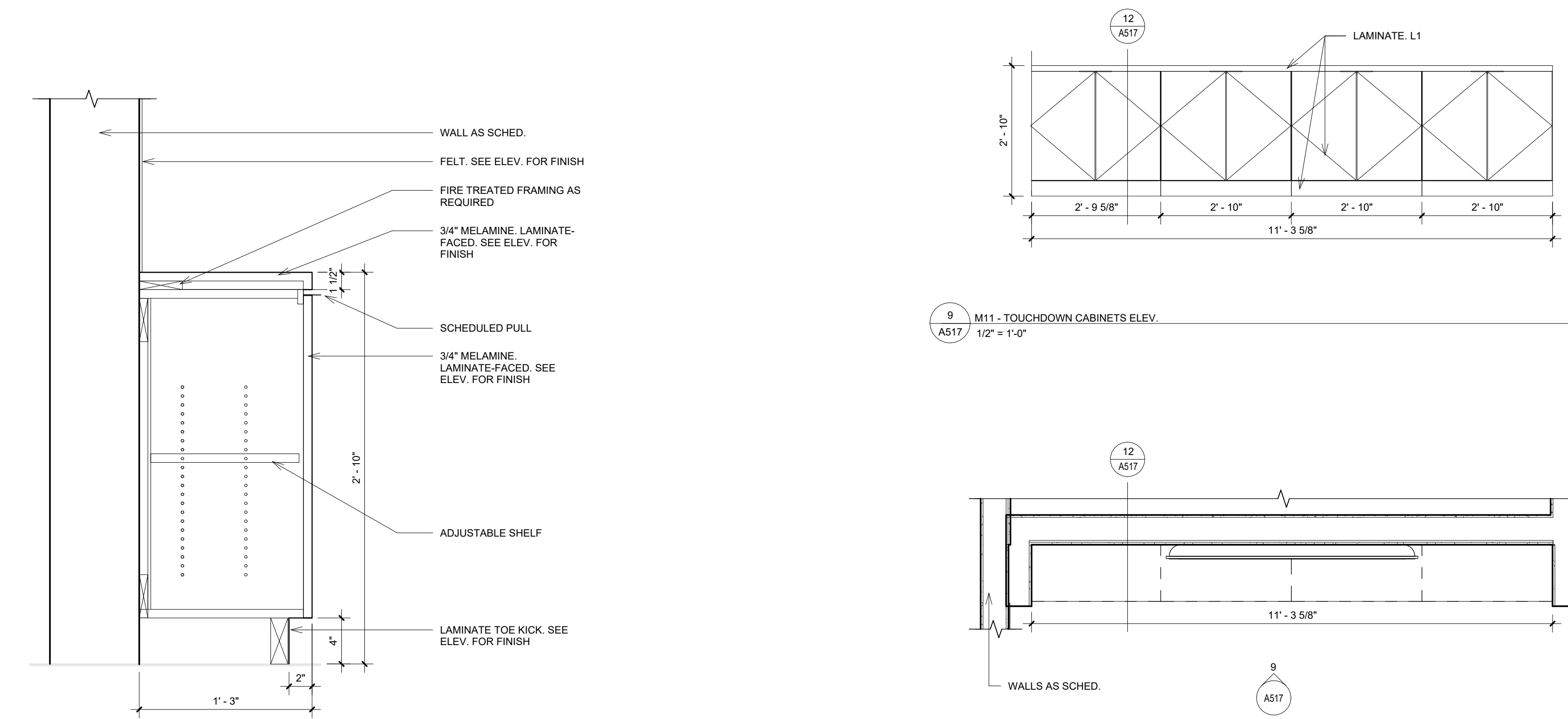


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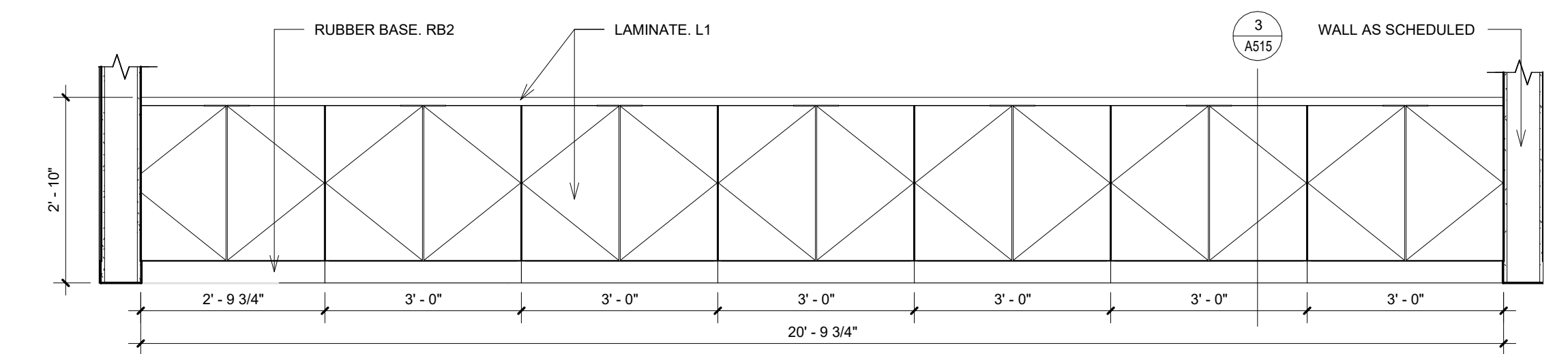
MILLWORK

A517
Scale As indicated

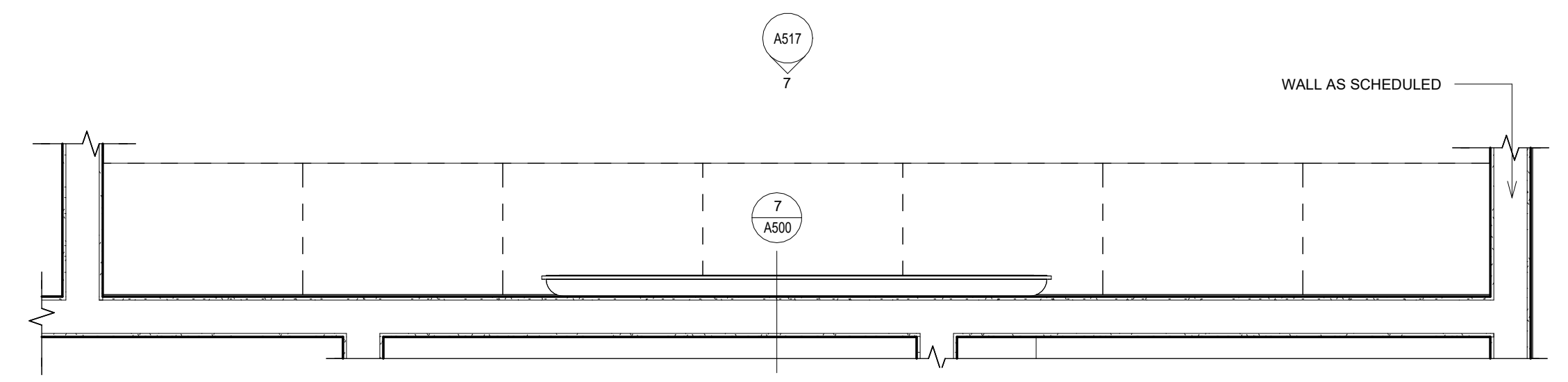


12 M11 - TOUCHDOWN CABINETS DETAIL
1/2" = 1'-0"

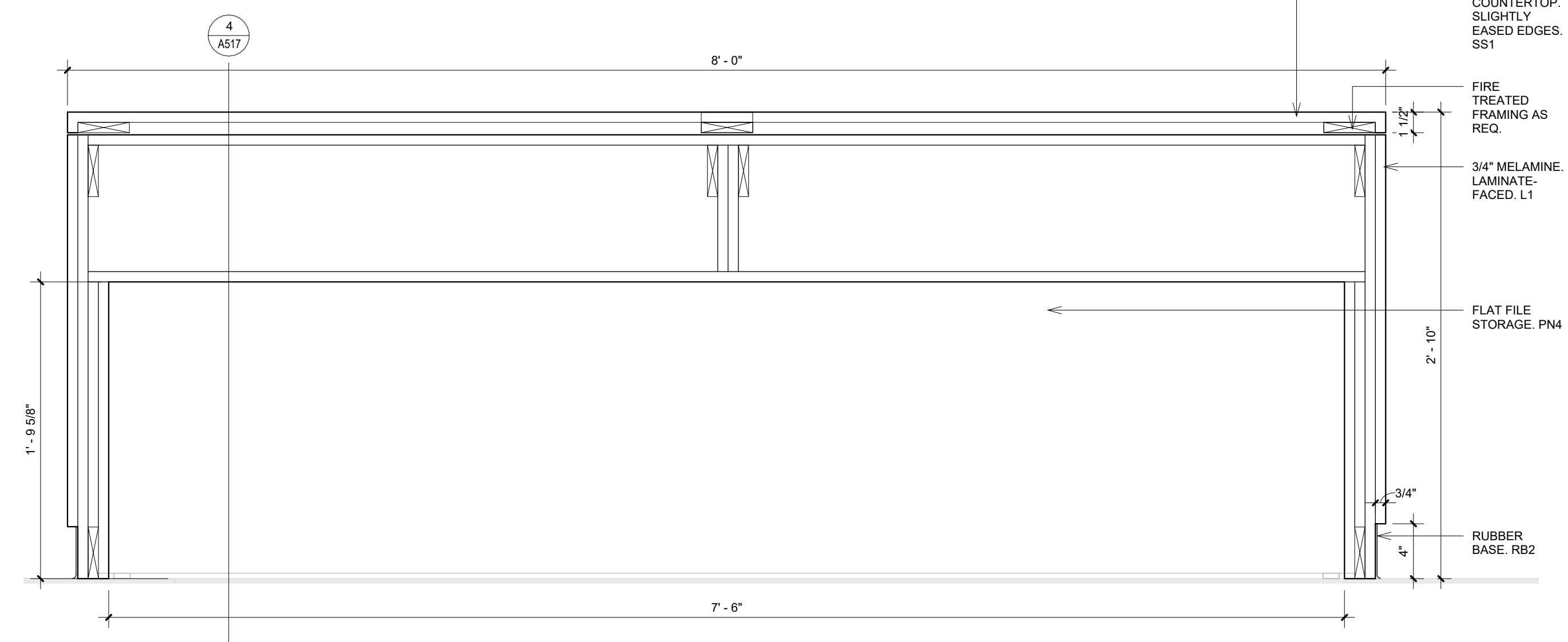
9 M11 - TOUCHDOWN CABINETS PLAN
1/2" = 1'-0"



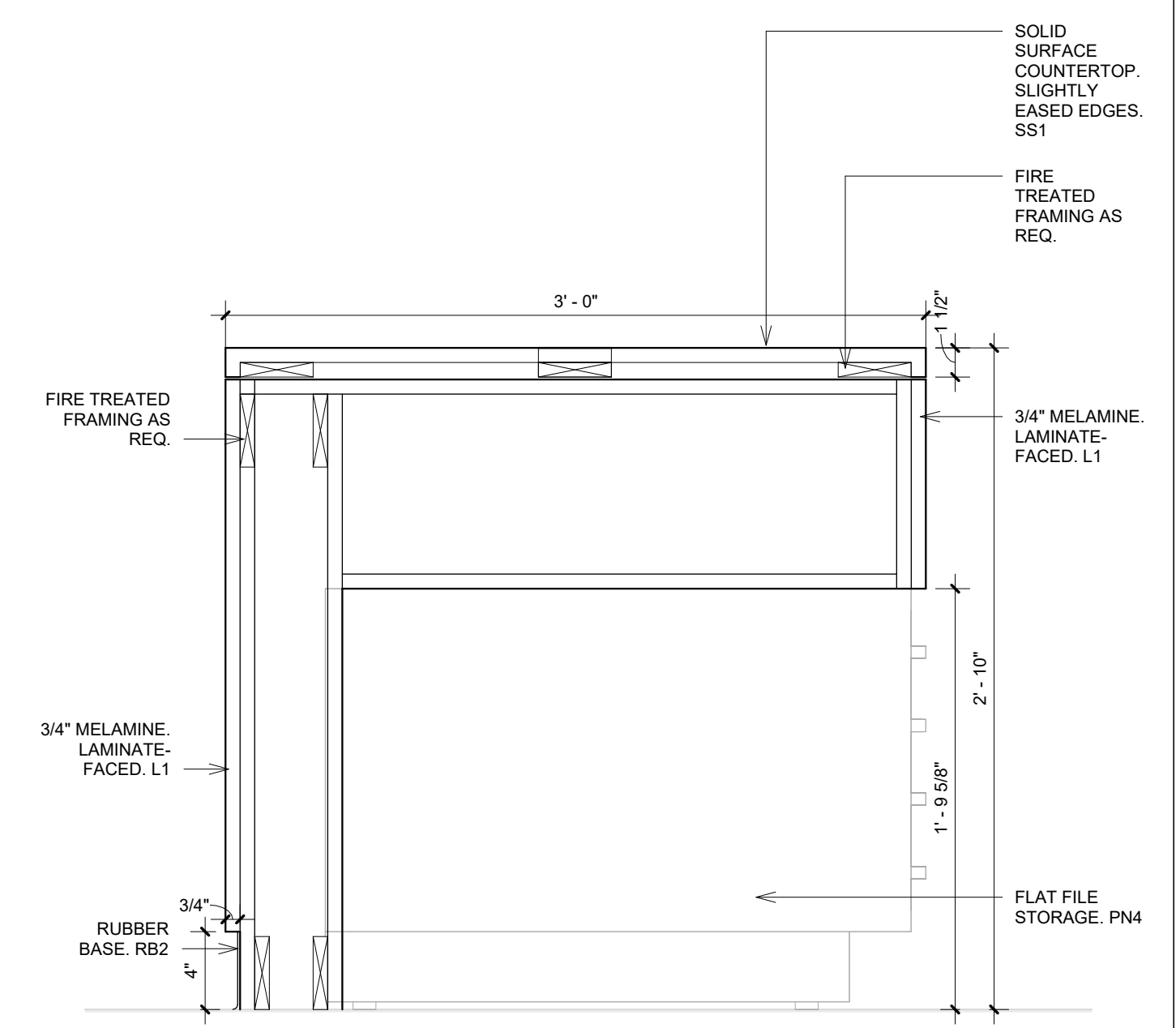
7 M9 - MEDIA REVIEW CABINETS ELEV.
1/2" = 1'-0"



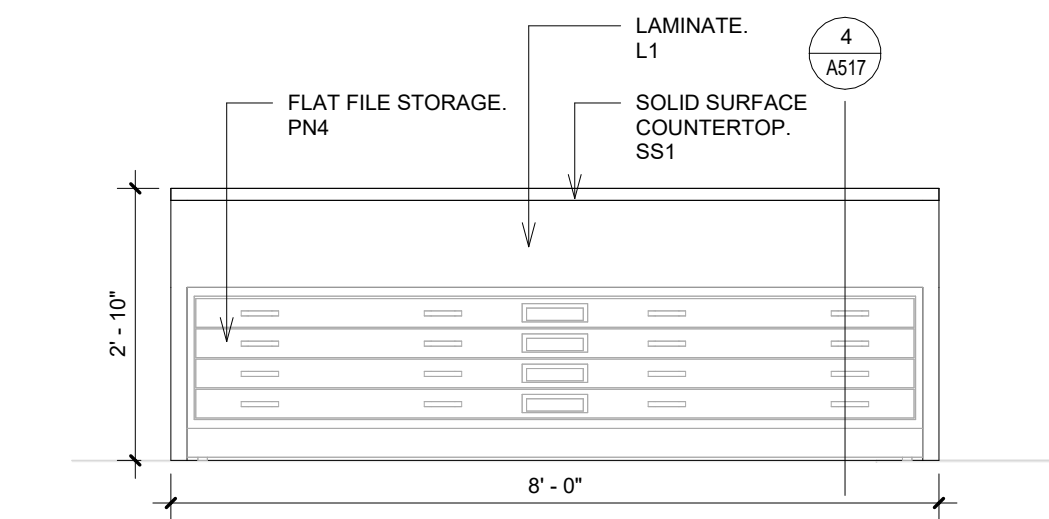
6 M9 - MEDIA REVIEW CABINETS PLAN
1/2" = 1'-0"



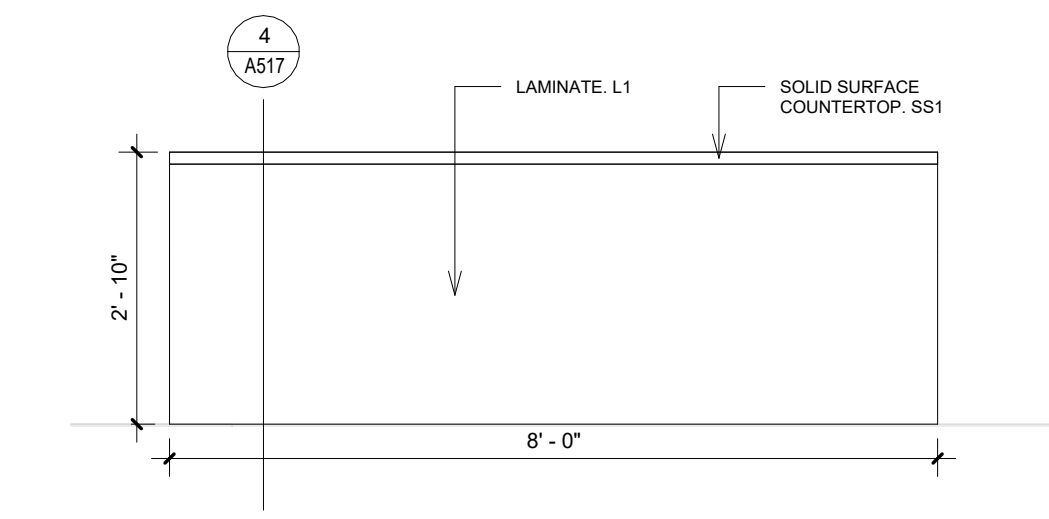
4 M8 - PRINT MEDIA ISLAND DETAIL 1
1/2" = 1'-0"



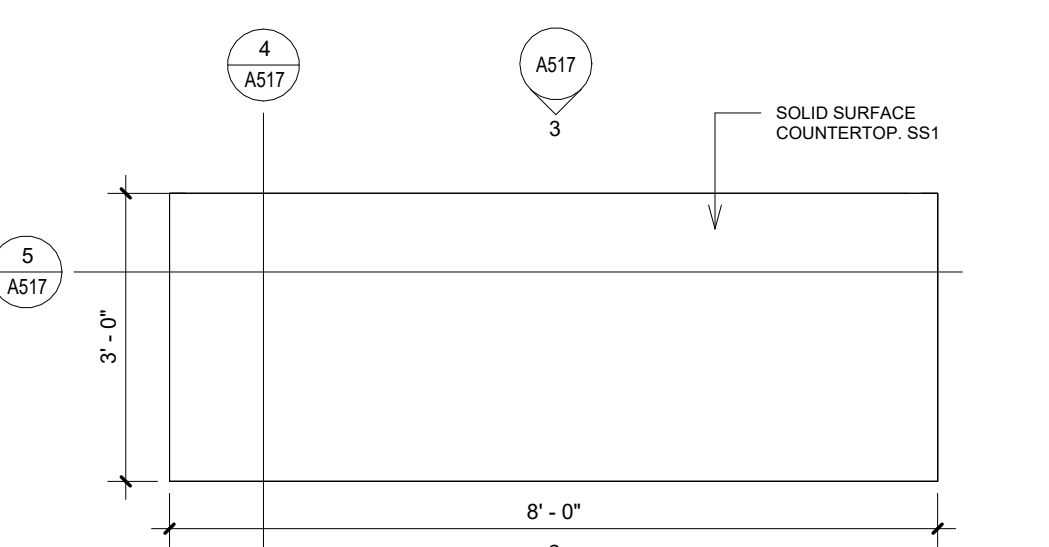
4 M8 - PRINT MEDIA ISLAND DETAIL 1
1/2" = 1'-0"



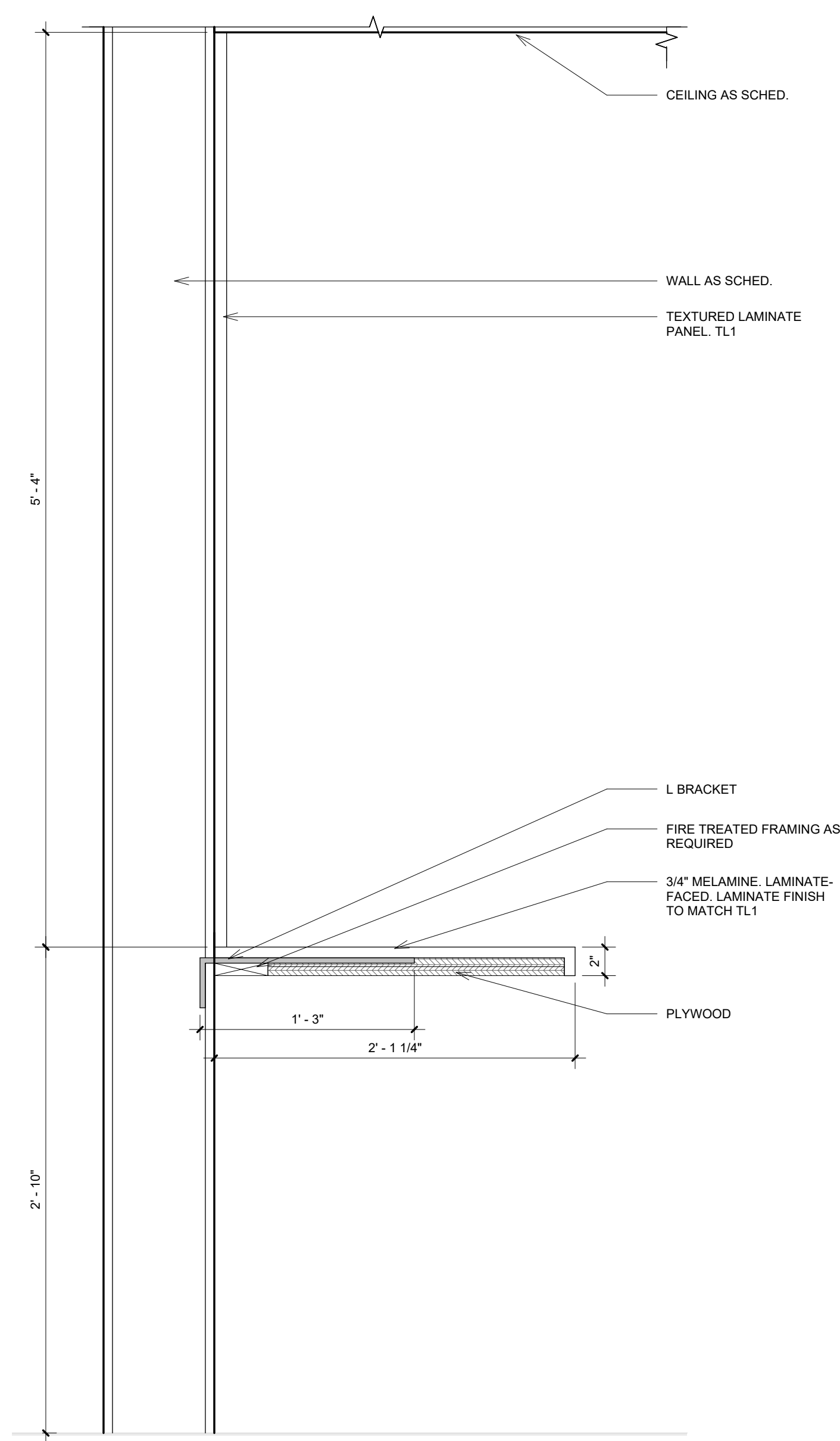
4 M8 - PRINT MEDIA ISLAND DETAIL 2
1/2" = 1'-0"



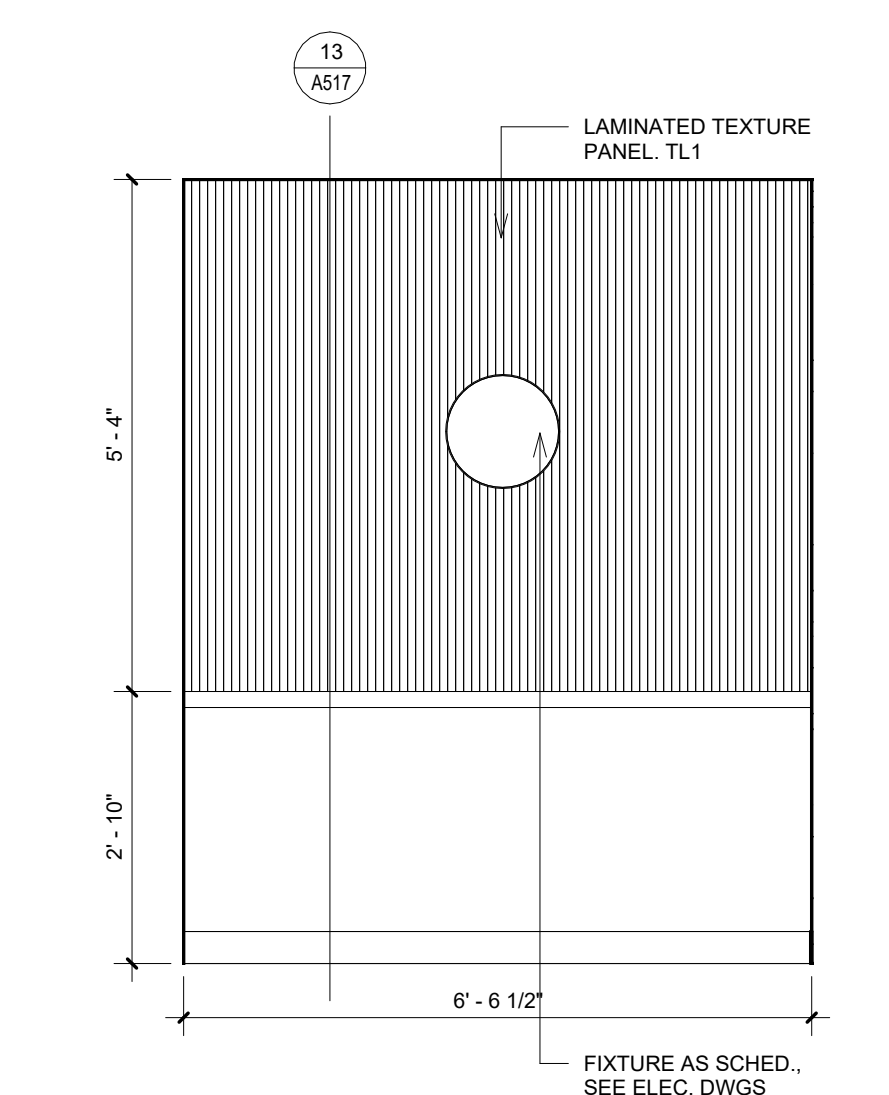
4 M8 - PRINT MEDIA ISLAND DETAIL 3
1/2" = 1'-0"



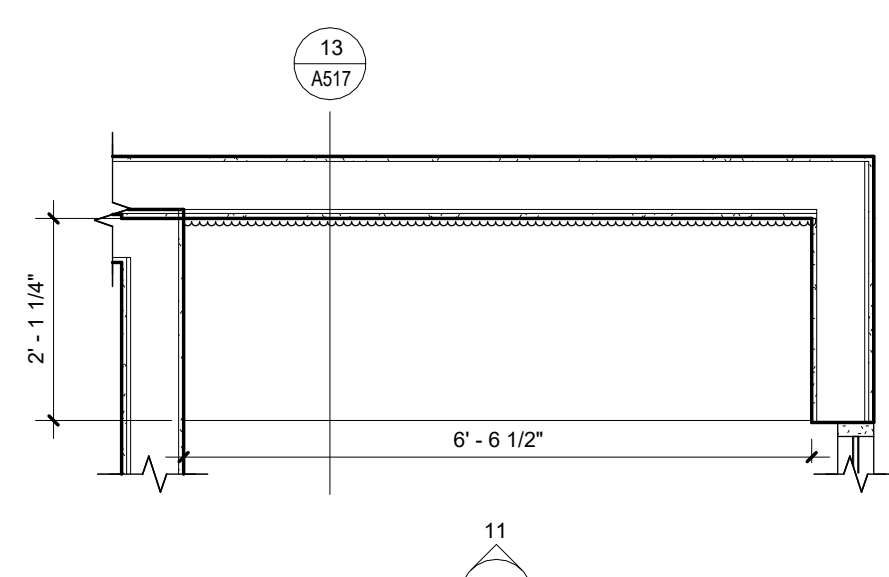
4 M8 - PRINT MEDIA ISLAND DETAIL 4
1/2" = 1'-0"



13 M10 - PHONE BOOTH DESK DETAIL
1/2" = 1'-0"



11 M10 - PHONE BOOTH DESK ELEV.
1/2" = 1'-0"



10 M10 - PHONE BOOTH DESK PLAN
1/2" = 1'-0"

5 M8 - PRINT MEDIA ISLAND DETAIL 2
1/2" = 1'-0"

DOOR NUMBER	PANELS	WIDTH	HEIGHT	TYPE	DOOR MATERIAL	FRAME MATERIAL	FRAME FINISH	FRAME TYPE	DOOR GLAZING	SIDELITE GLAZING	STC RATING	HARDWARE	REMARKS
42050	SNGL	3'-0"	7'-0"	EX	EX/PNT	EX	PNT	EX					STOREROOM
42200	SNGL	3'-0"	8'-0 1/4"	D4	GLASS	AL	PNT	SF1	C. CLR				GL01
42424	SNGL	3'-0"	8'-0 1/4"	D4	GLASS	AL	PNT	SF1	C. CLR				GL02
43100	SNGL	3'-0"	7'-0"	D1	WD/STN	HM	PNT	F1			50		04
43100A	PR	5'-0"	7'-0"	D5	HMPNT	HM	PNT	F2					03
43100B	PR	5'-0"	7'-0"	D5	HMPNT	HM	PNT	F2					03
43100C	PR	5'-0"	7'-0"	D5	HMPNT	HM	PNT	F2					03
43105	SNGL	3'-0"	7'-0"	D1	WD/STN	HM	PNT	F1			50		01
43115	SNGL	3'-0"	8'-0 1/4"	D3	AL/PNT	AL	PNT	SF2	C. CLR/FROST	CLR / FRST			AL01
43120	SNGL	3'-0"	7'-0"	D2	WD/STN	HM	PNT	F3	B. CLR	B. CLR	50		01
43120A	SNGL	3'-0"	7'-0"	D1	WD/STN	HM	PNT	F1			50		04
43120B	SNGL	3'-0"	7'-0"	D1	WD/STN	HM	PNT	F1			50		04
43125	SNGL	3'-0"	8'-0 1/4"	D3	AL/PNT	AL	PNT	SF3	B. CLR	B. CLR			AL01
43130	SNGL	3'-0"	7'-0"	D2	WD/STN	HM	PNT	F3	B. CLR	B. CLR			01
43135	SNGL	3'-0"	7'-0"	D2	WD/STN	HM	PNT	F3	B. CLR	B. CLR			01
43137	SNGL	3'-0"	7'-0"	D2	WD/STN	HM	PNT	F3	B. CLR	B. CLR			01
43139	SNGL	3'-0"	7'-0"	D2	WD/STN	HM	PNT	F3	B. CLR	B. CLR			01
43141	SNGL	3'-0"	7'-0"	D2	WD/STN	HM	PNT	F3	B. CLR	B. CLR			01
43142	SNGL	3'-0"	7'-0"	D1	WD/STN	HM	PNT	F1					02
43143	SNGL	3'-0"	7'-0"	D2	WD/STN	HM	PNT	F3	B. CLR	B. CLR			01
43144	SNGL	3'-0"	7'-0"	D1	WD/STN	HM	PNT	F1					05
43147	SNGL	3'-0"	7'-0"	D2	WD/STN	HM	PNT	F3	B. CLR	B. CLR			01
43155	SNGL	3'-0"	7'-0"	D2	WD/STN	HM	PNT	F3	B. CLR	B. CLR			01

DOOR SCHEDULE LEGEND

DOOR NUMBER REFERS TO REFERENCE DOOR MARK ON FLOOR PLANS

DOOR PANEL INDICATES THE TYPE OF DOOR PANEL(S)
 SNGL-SINGLE PANEL
 PR - PAIR OF DOORS IN ONE FRAME

WIDTH INDICATES THE FINISHED DOOR PANEL WIDTH

HEIGHT INDICATES THE FINISHED DOOR PANEL HEIGHT

THICKNESS INDICATES FINISHED PANEL THICKNESS

TYPE INDICATES DOOR PANEL TYPE. SEE DOOR PANEL ELEVATIONS

MATERIAL/ FINISH INDICATES DOOR PANEL MATERIAL & FINISH
 WD - WOOD HM - HOLLOW METAL
 PNT - PAINT

HARDWARE INDICATES DOOR HARDWARE SET. REFER TO SPECIFICATIONS

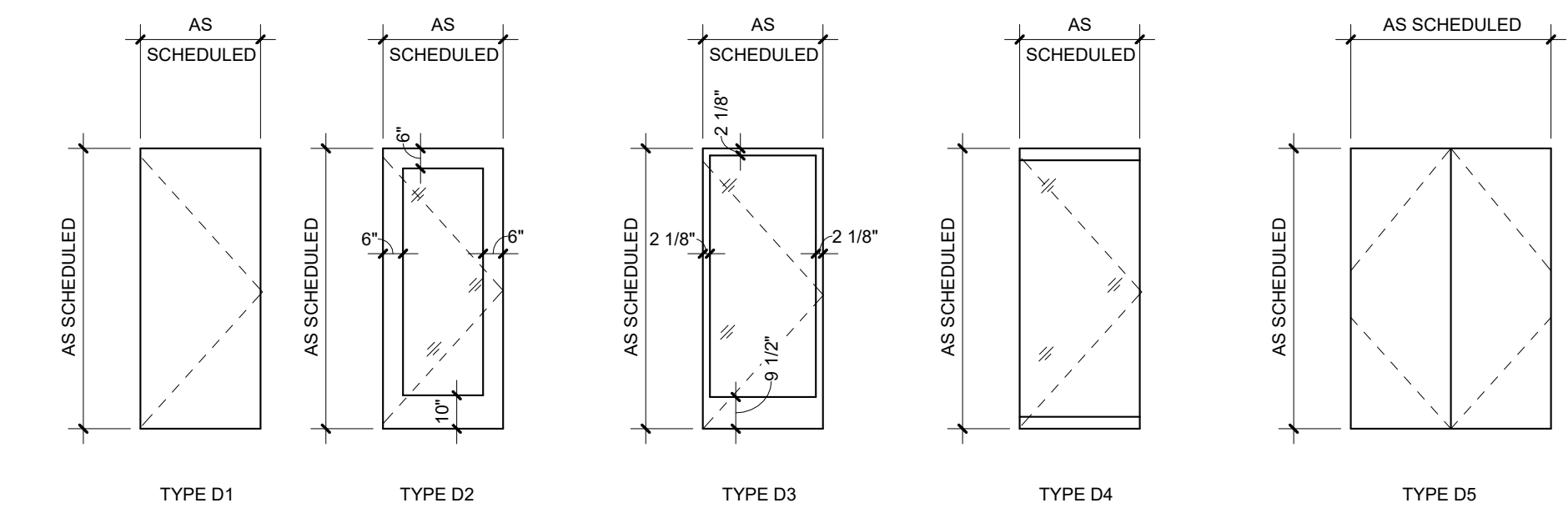
FRAME HEAD HEIGHT

TYPE INDICATES FRAME TYPE. SEE FRAME ELEVATIONS

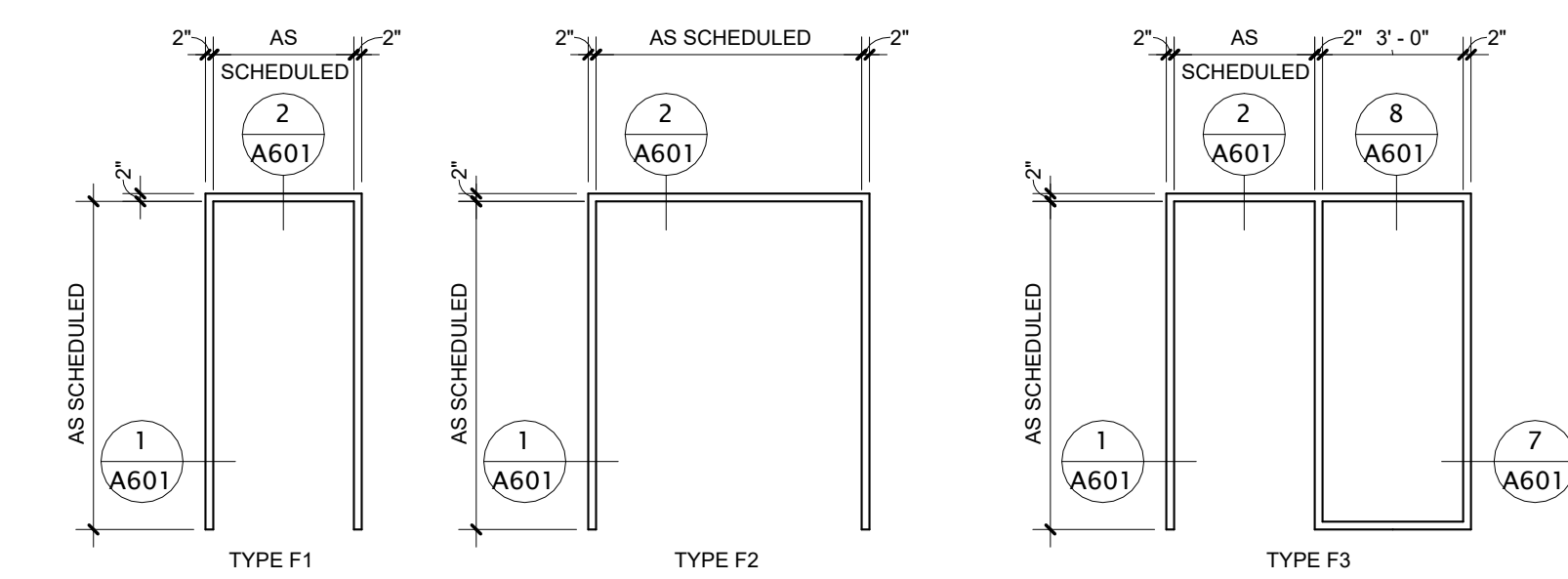
MATERIAL/FINISH INDICATES FRAME MATERIAL & FINISH
 PNT - PAINT BY MFR - BY MANUFACTURER
 HM - HOLLOW METAL ALUM - ALUMINUM

REMARKS ANY SPECIAL CONDITIONS REQUIRED

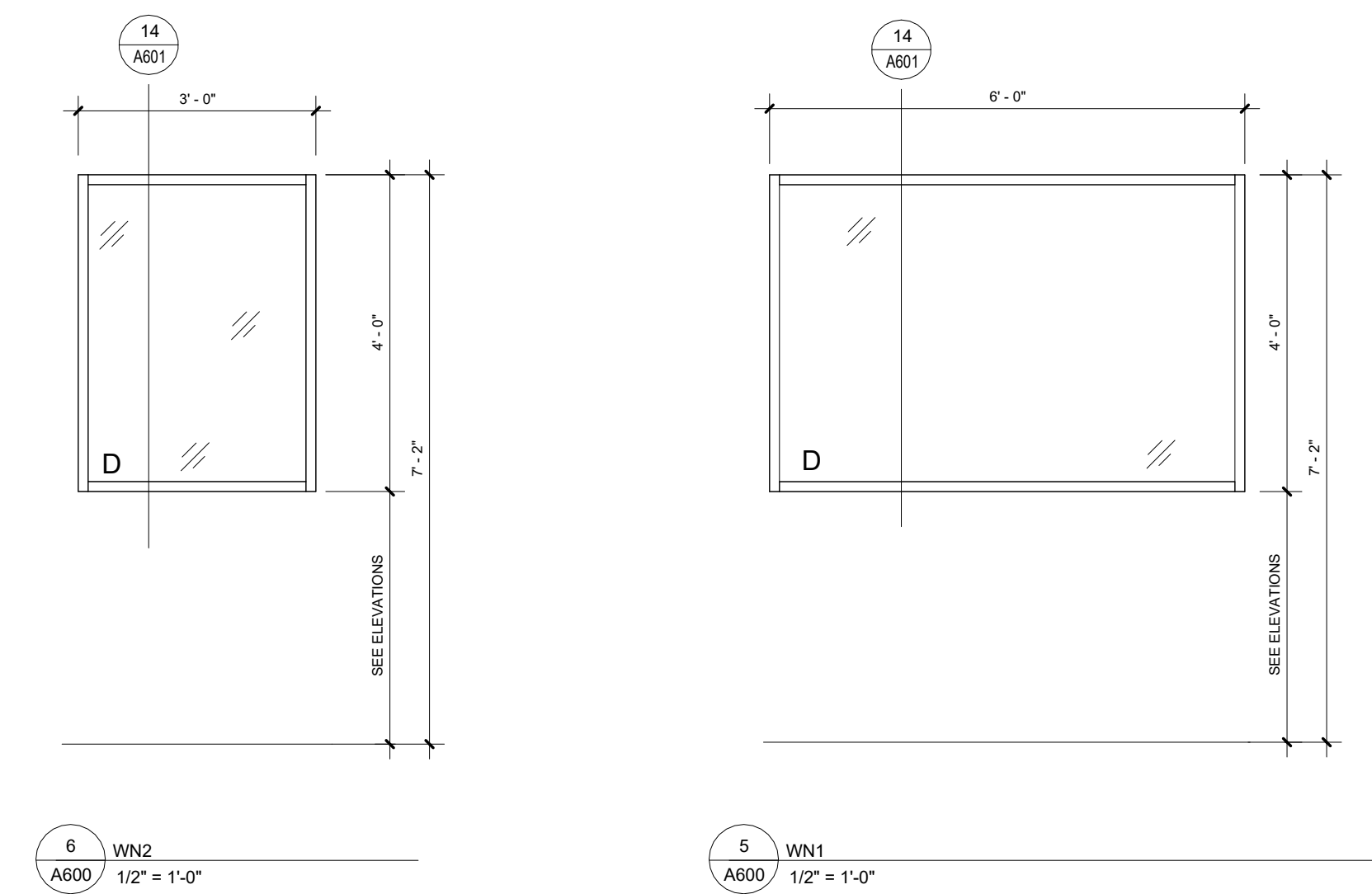
GLAZING TYPES A - 1/4" FLOAT GLASS
 B - 1/4" TEMPERED GLASS
 C - 1/2" TEMPERED GLASS
 D - ACOUSTIC SYSTEM, (1) IGU W/ 3/8" LAMINATED GLASS AND (1) 3/8" LAMINATED GLASS W/ AIR SPACE - SEE DETAIL 14/A601



DOOR TYPES
 1/4" = 1'-0"

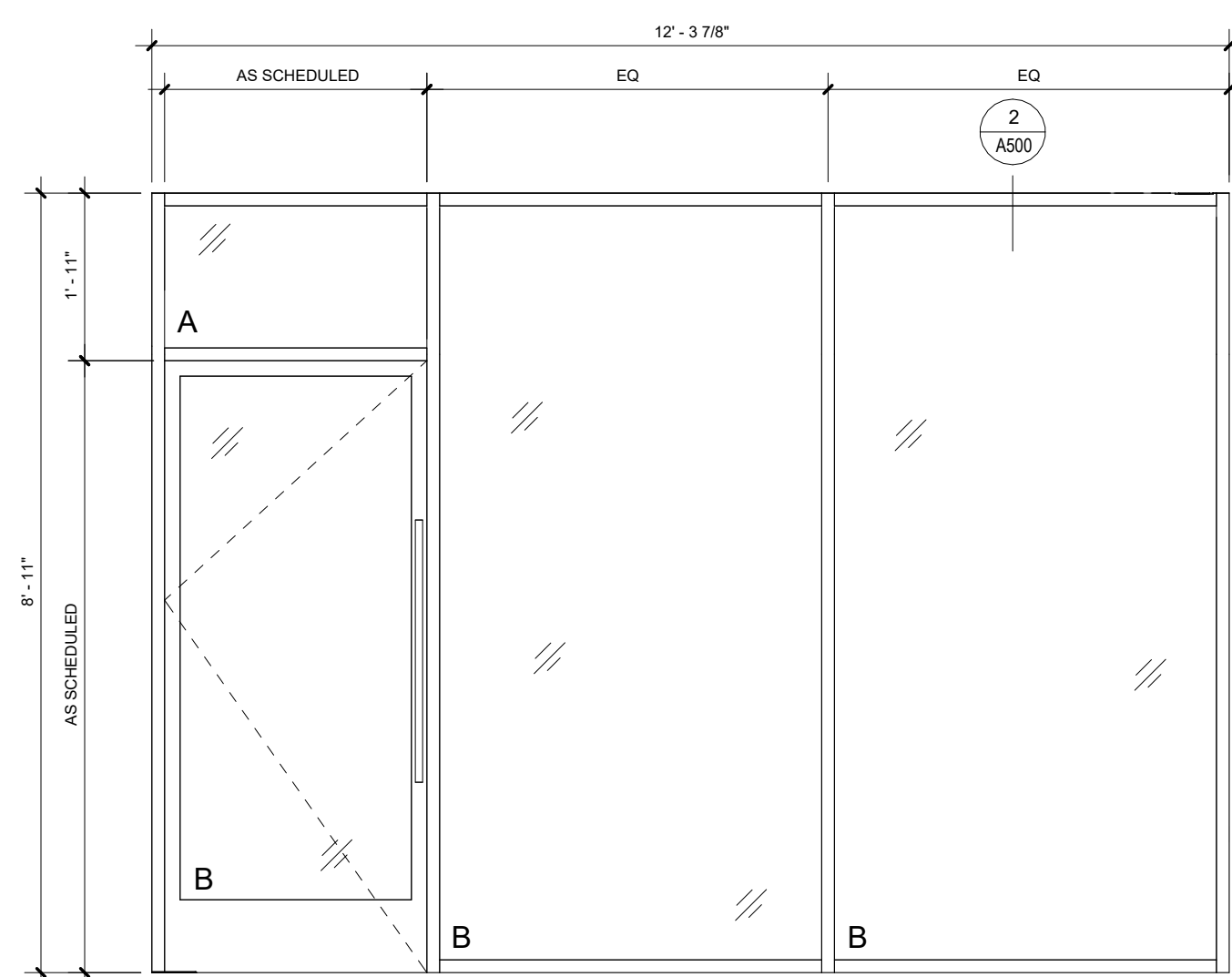


FRAME TYPES
 1/4" = 1'-0"

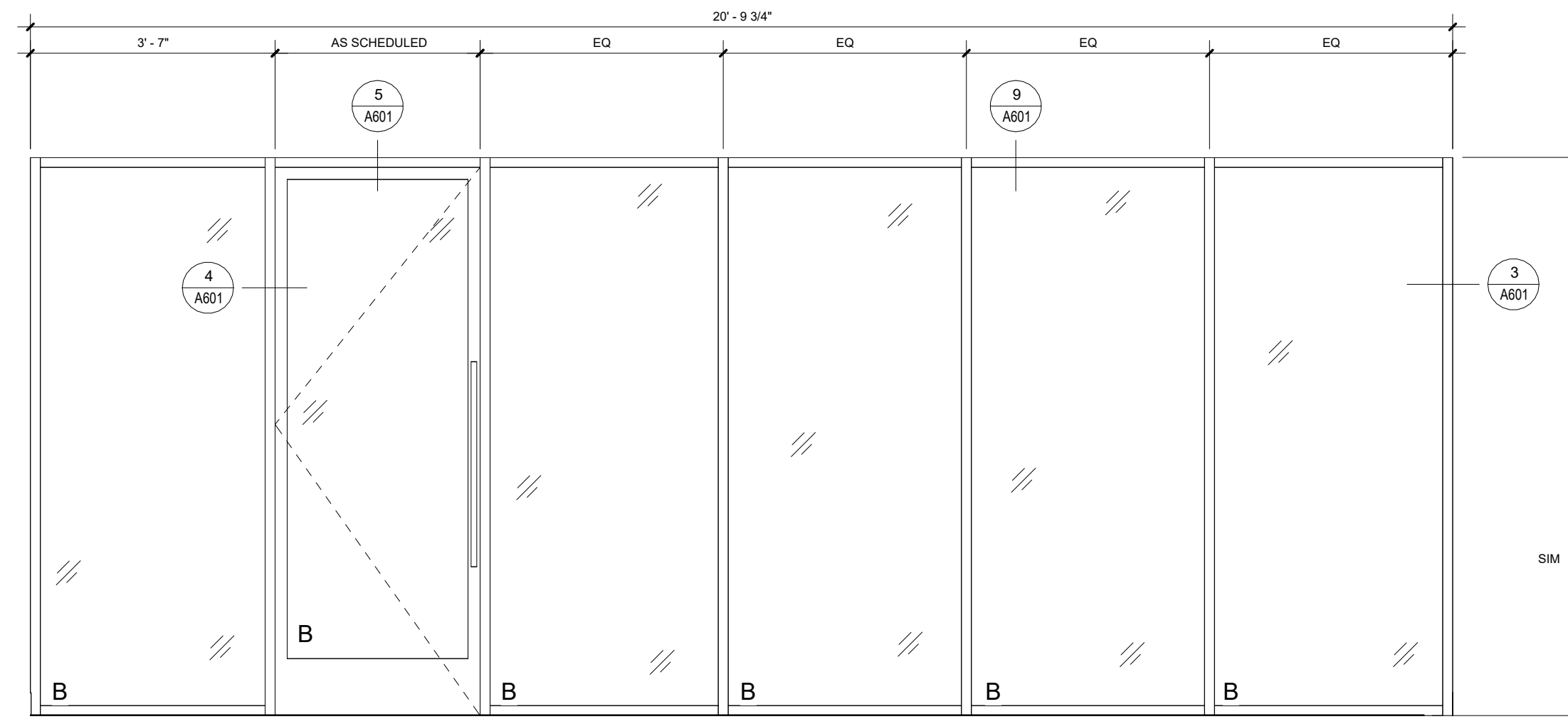


BID ALTERNATE 2

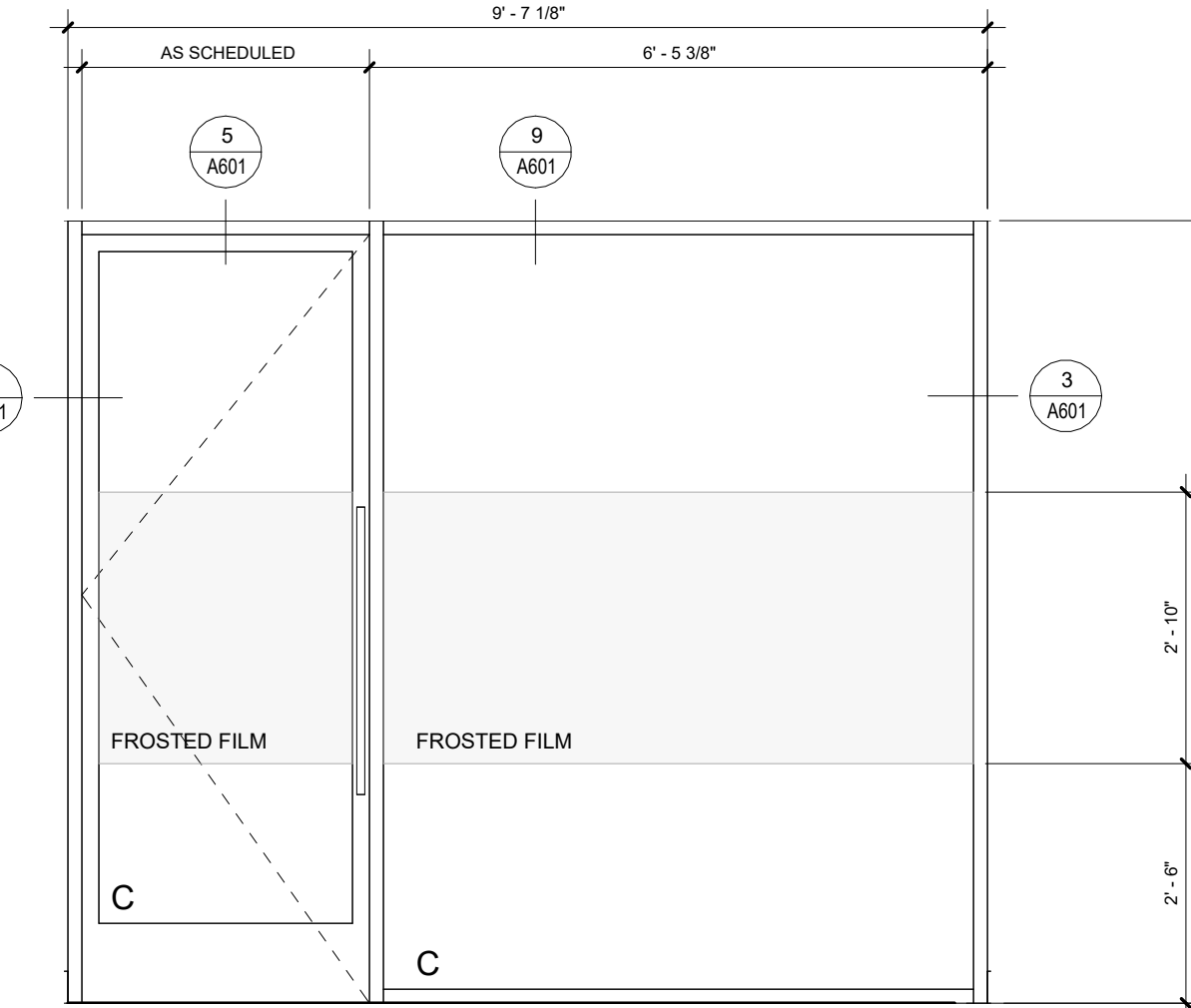
DOOR NUMBER	PANELS	WIDTH	HEIGHT	TYPE	DOOR MATERIAL	FRAME MATERIAL	FRAME FINISH	FRAME TYPE	DOOR GLAZING	SIDELITE GLAZING	STC RATING	HARDWARE	REMARKS
43130BA	SNGL	3'-0"	7'-0"	D3	AL/PNT	AL	PNT	SF4	A. CLR				AL01



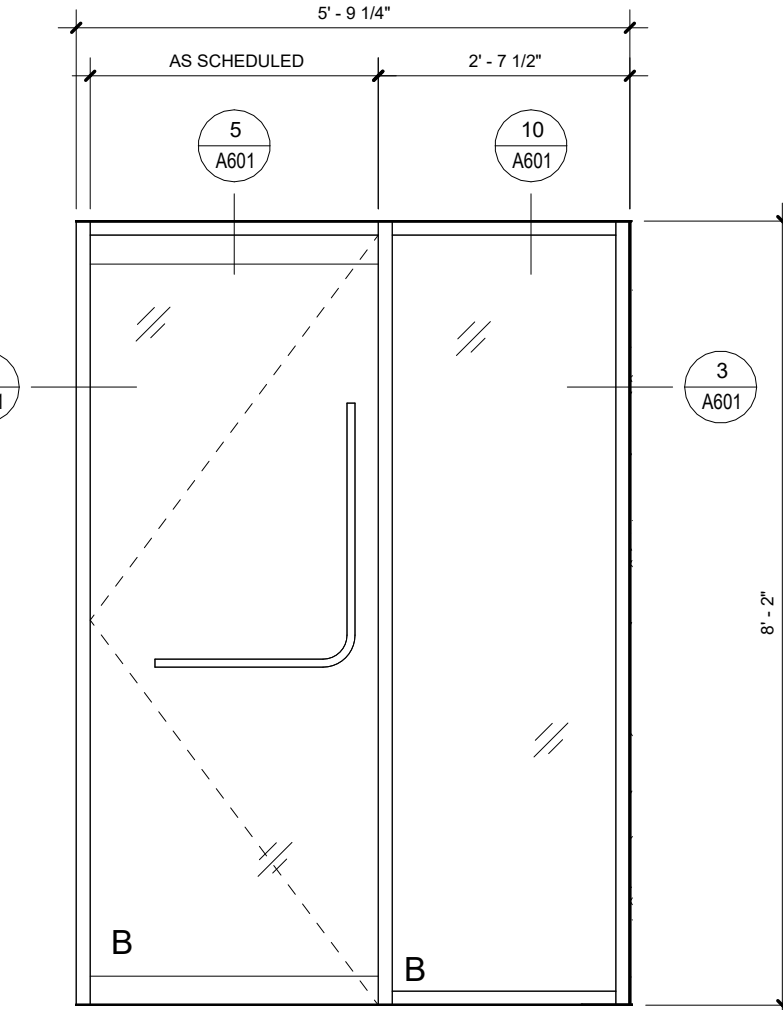
4 SF4 - BID ALTERNATE 2
 A600 1/2" = 1'-0"



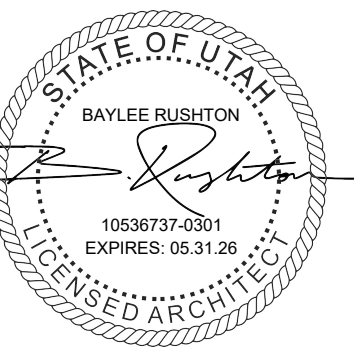
3 SF3
 A600 1/2" = 1'-0"



2 SF2
 A600 1/2" = 1'-0"



1 SF1
 A600 1/2" = 1'-0"



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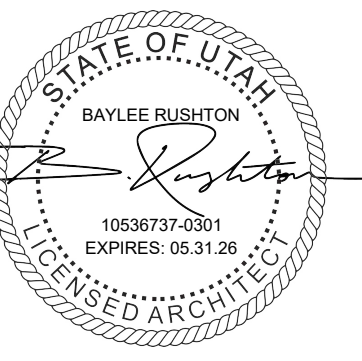


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DOOR + WINDOW
 SCHEDULE

A600
 Scale As indicated



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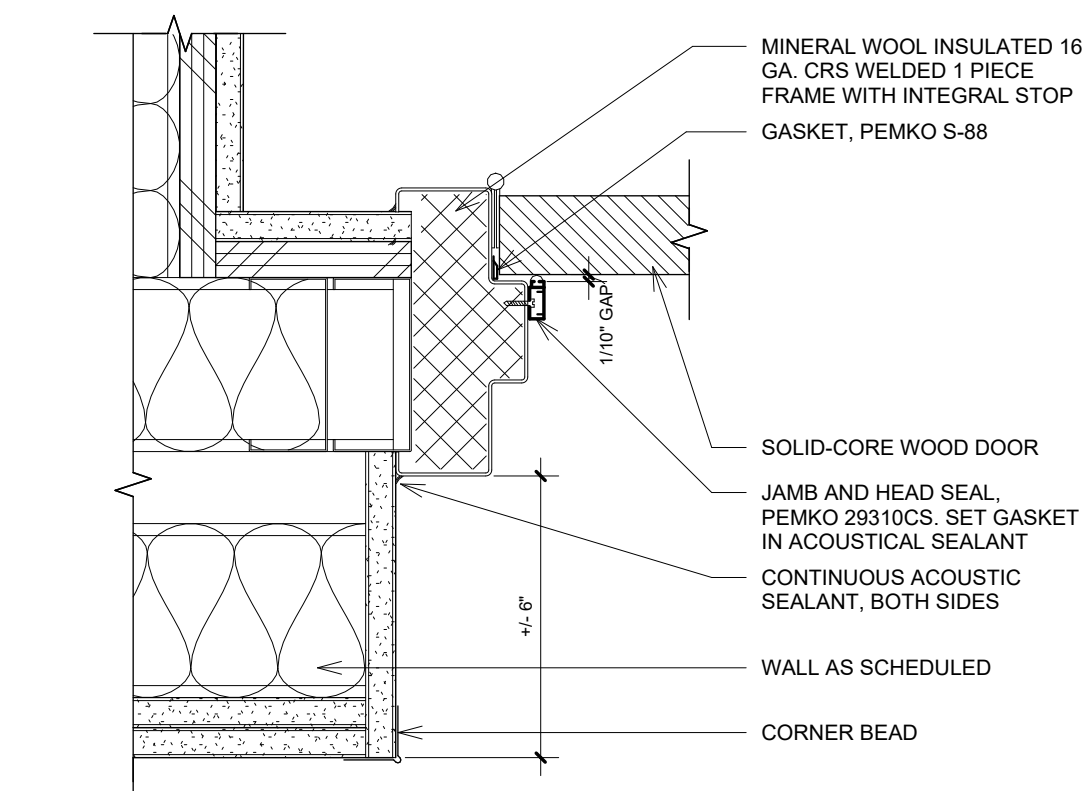


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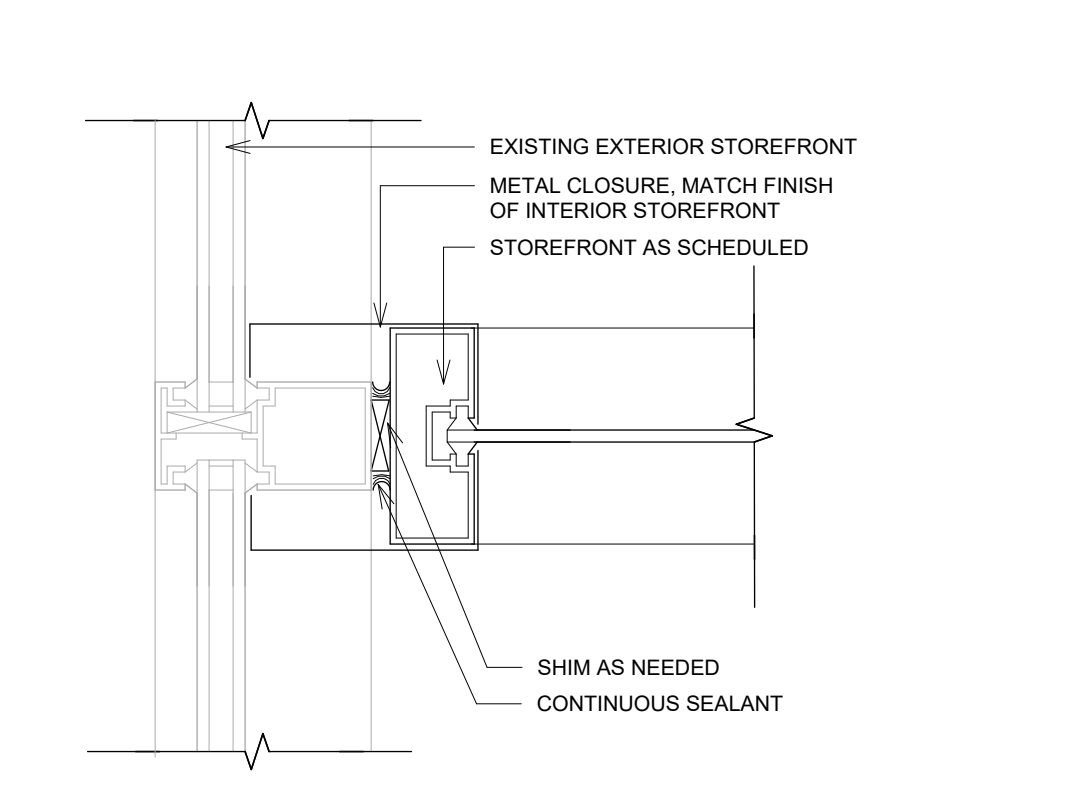
22812
10.30.2024

DOOR + WINDOW
DETAILS

A601
Scale As indicated

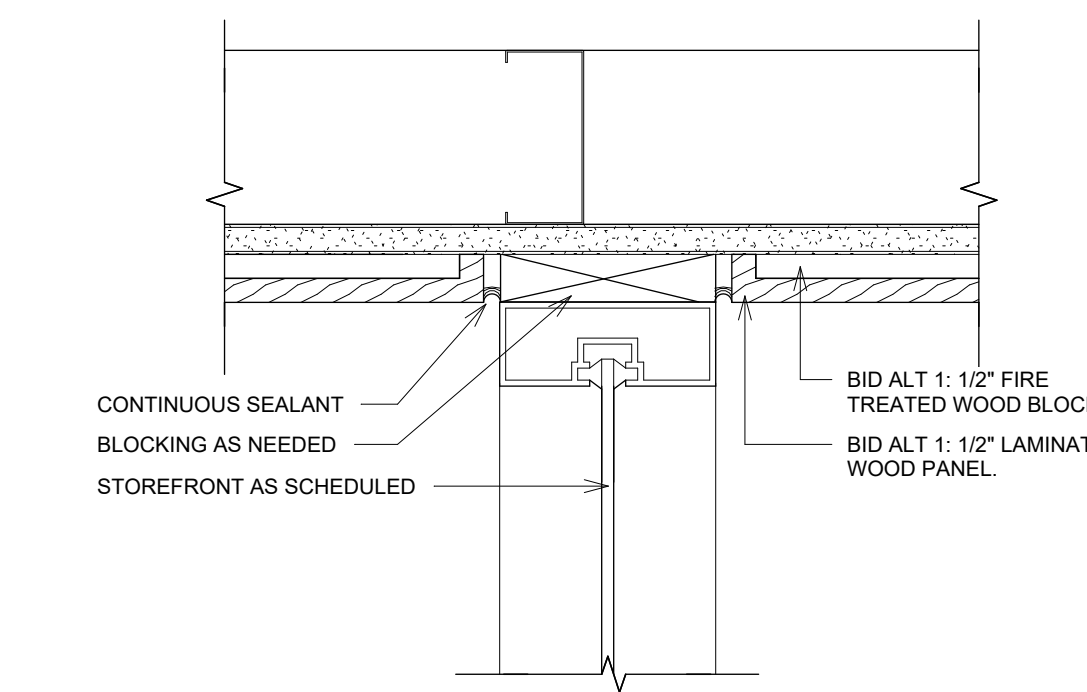


12 DOOR FRAME AT ACOUSTICAL DOOR
A601 3" = 1'-0"



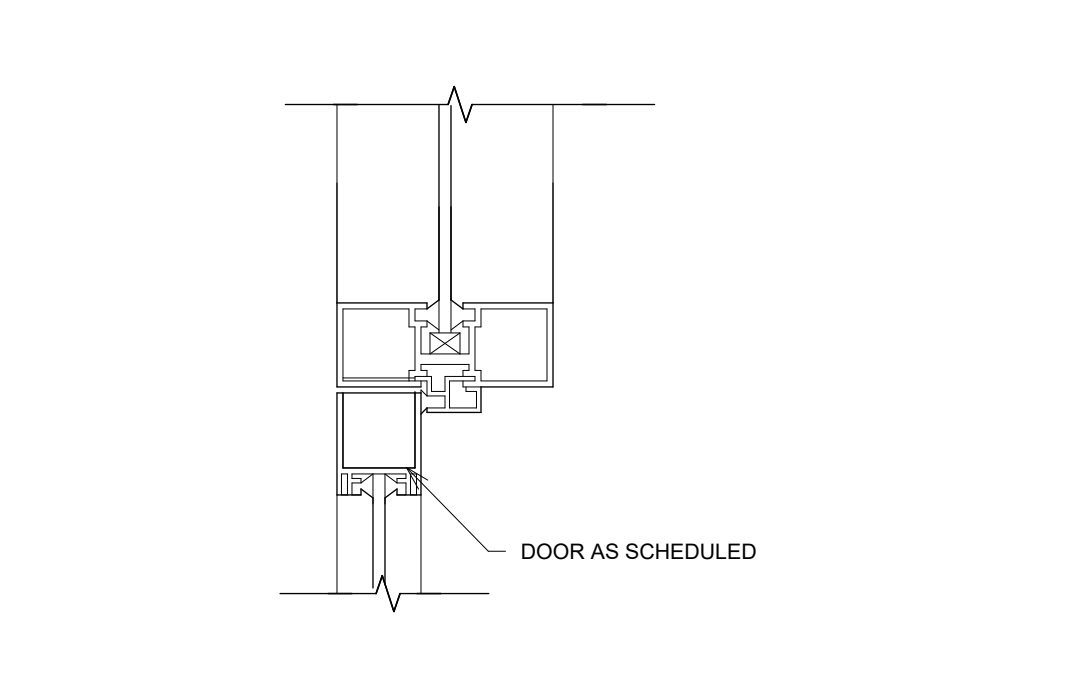
6 STOREFRONT JAMB @ EXTERIOR STOREFRONT
A601 3" = 1'-0"

BID ALTERNATE 2

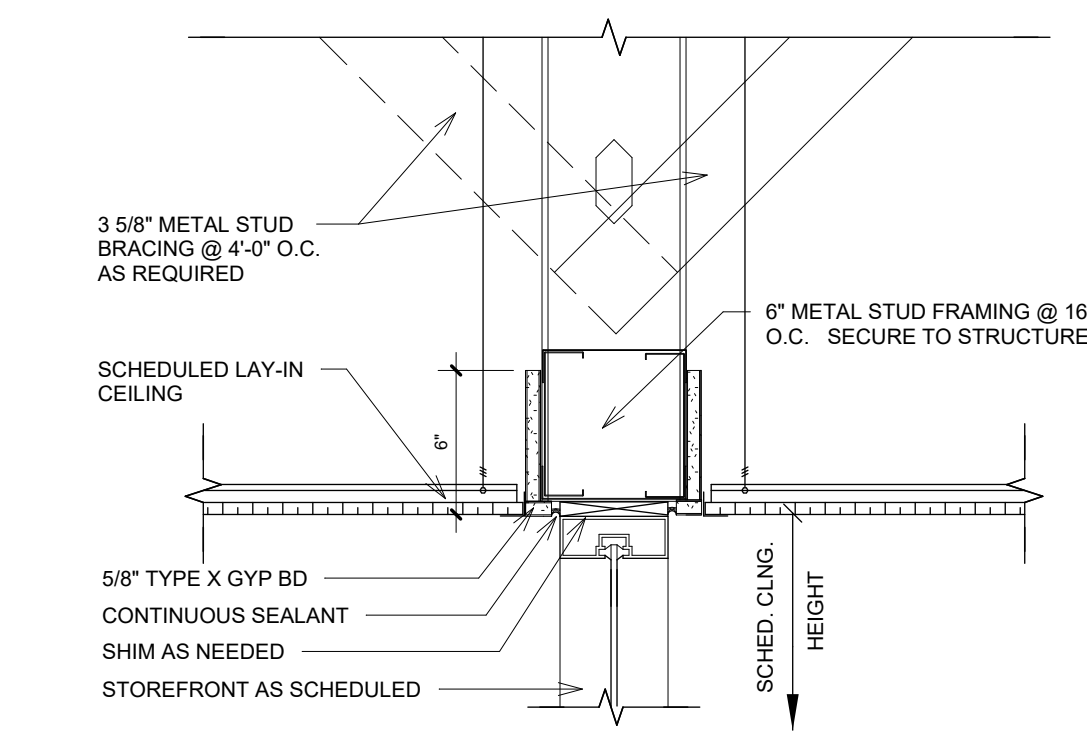


11 STOREFRONT JAMB AT LAMINATE
A601 3" = 1'-0"

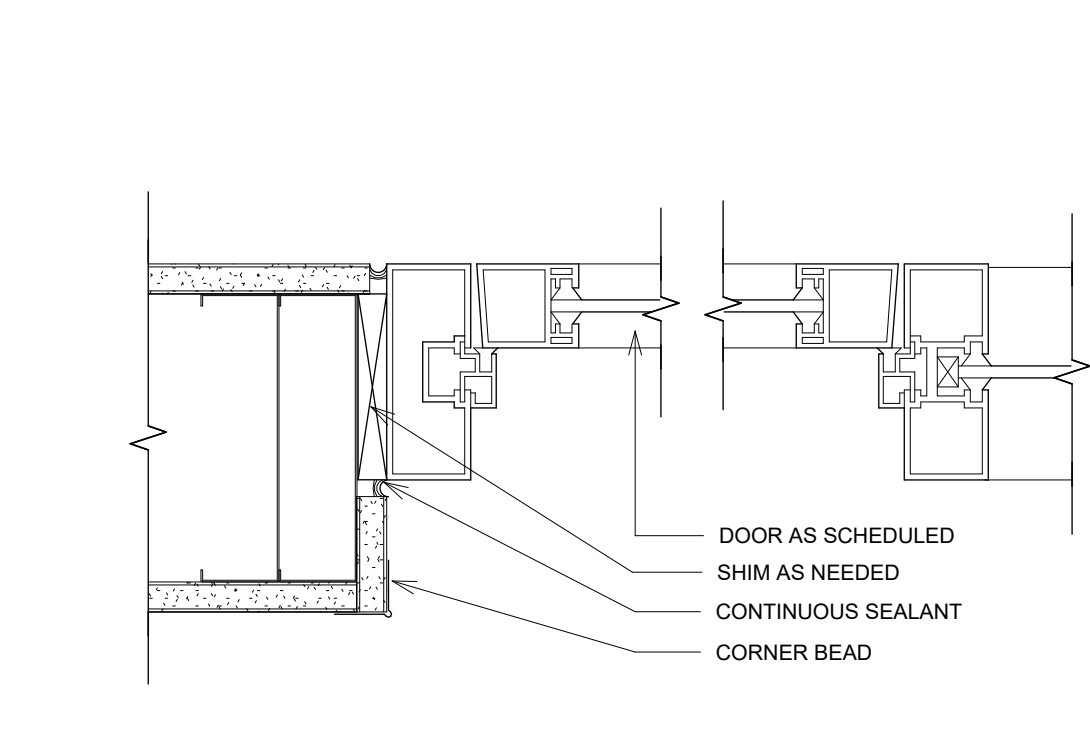
BID ALTERNATE 1



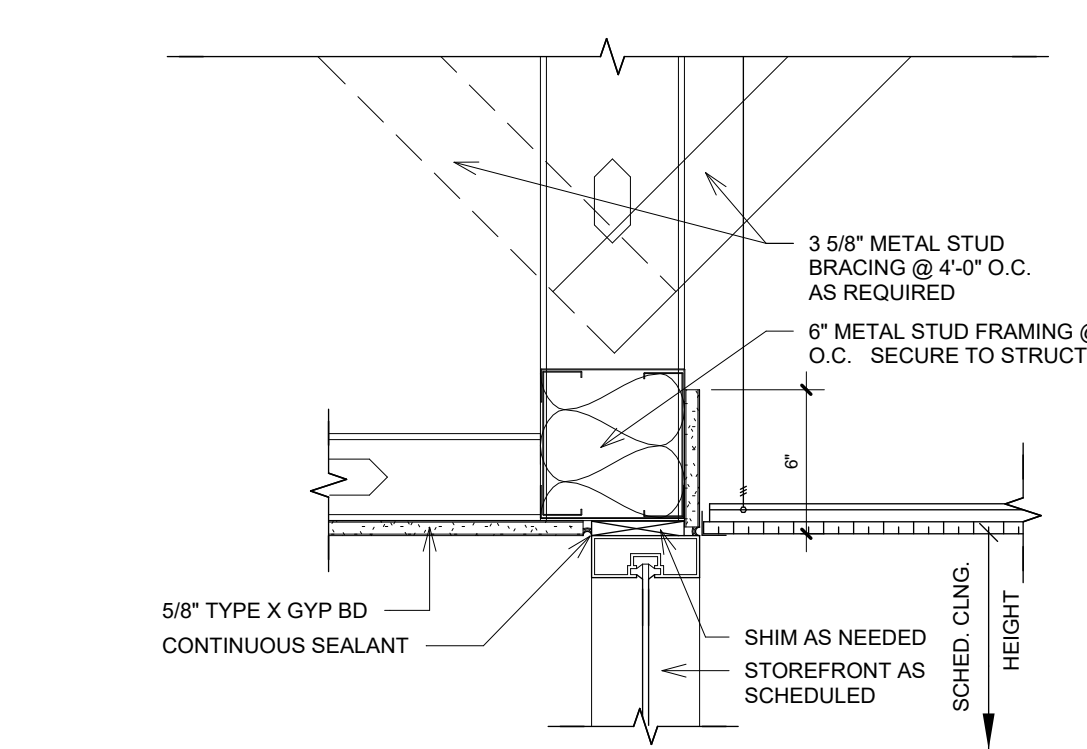
5 STOREFRONT DOOR HEAD
A601 3" = 1'-0"



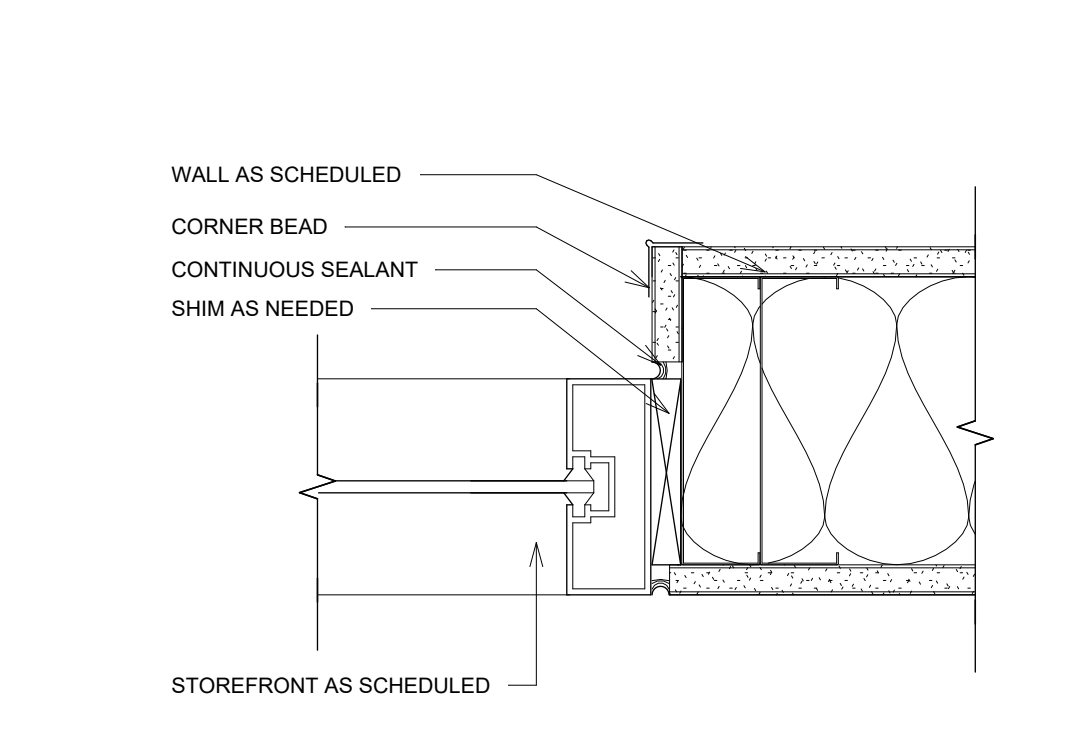
10 STOREFRONT @ ACT
A601 1:1/2" = 1'-0"



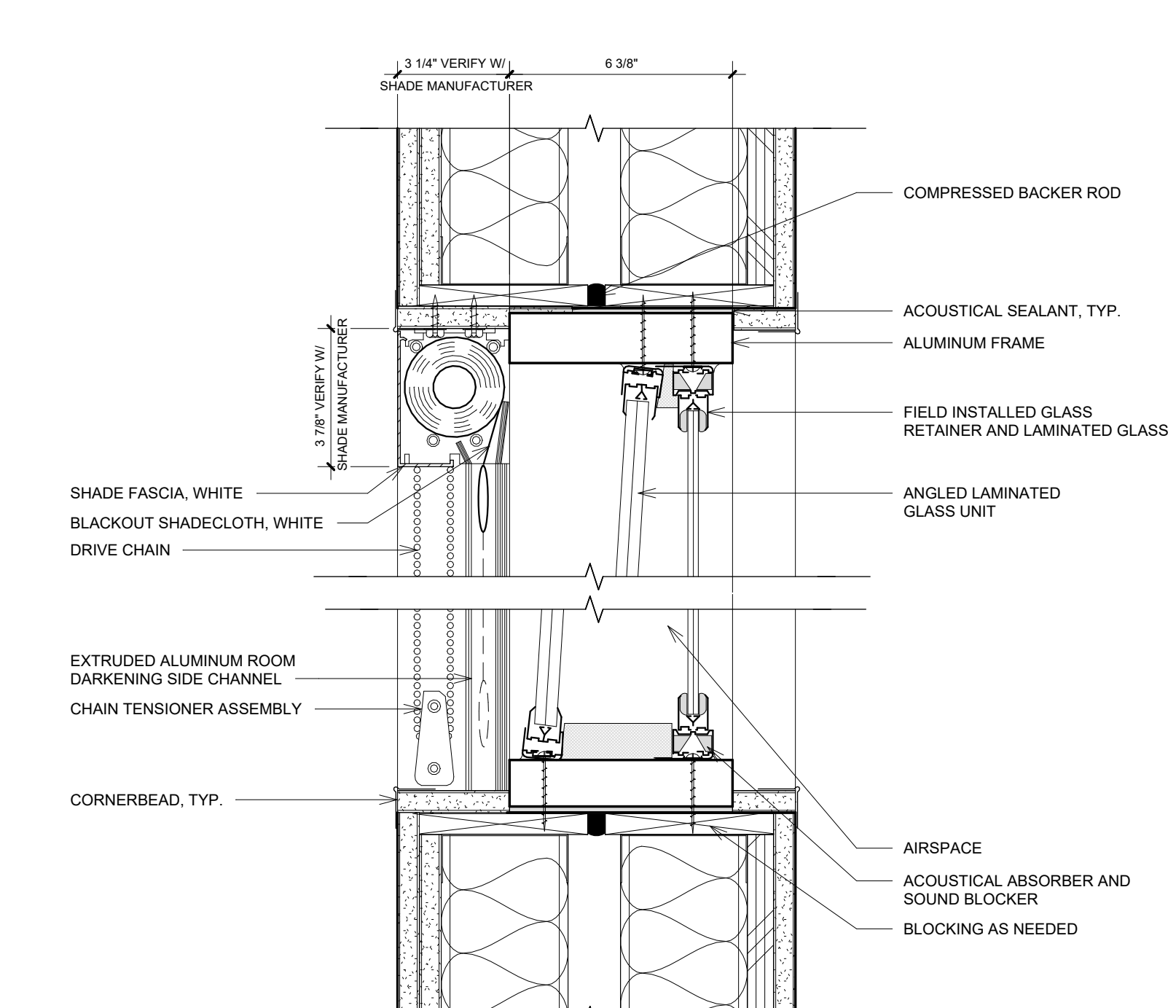
4 STOREFRONT DOOR JAMB
A601 3" = 1'-0"



9 STOREFRONT @ ACT & GYP
A601 1:1/2" = 1'-0"

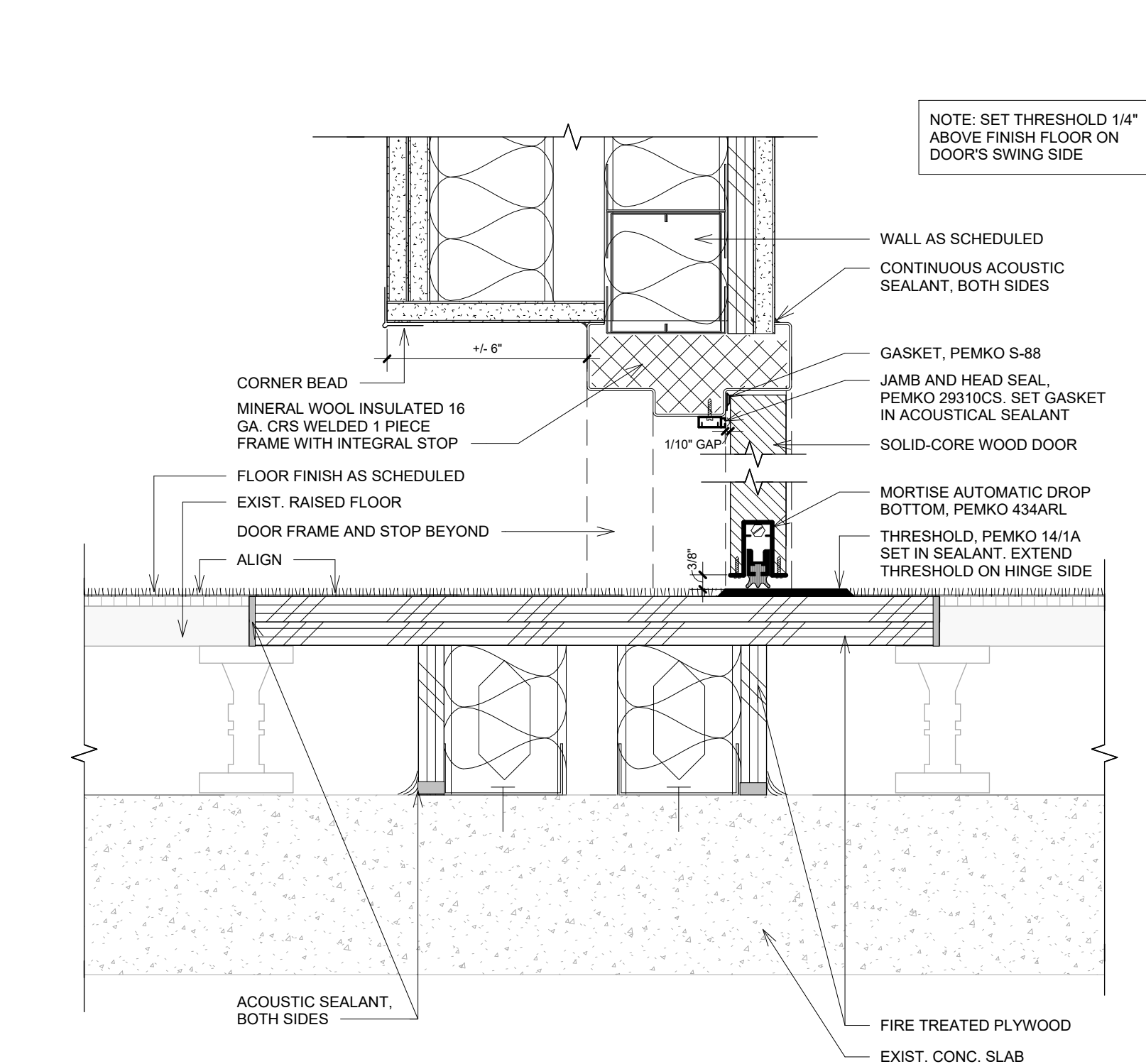


3 TYPICAL STOREFRONT JAMB
A601 3" = 1'-0"

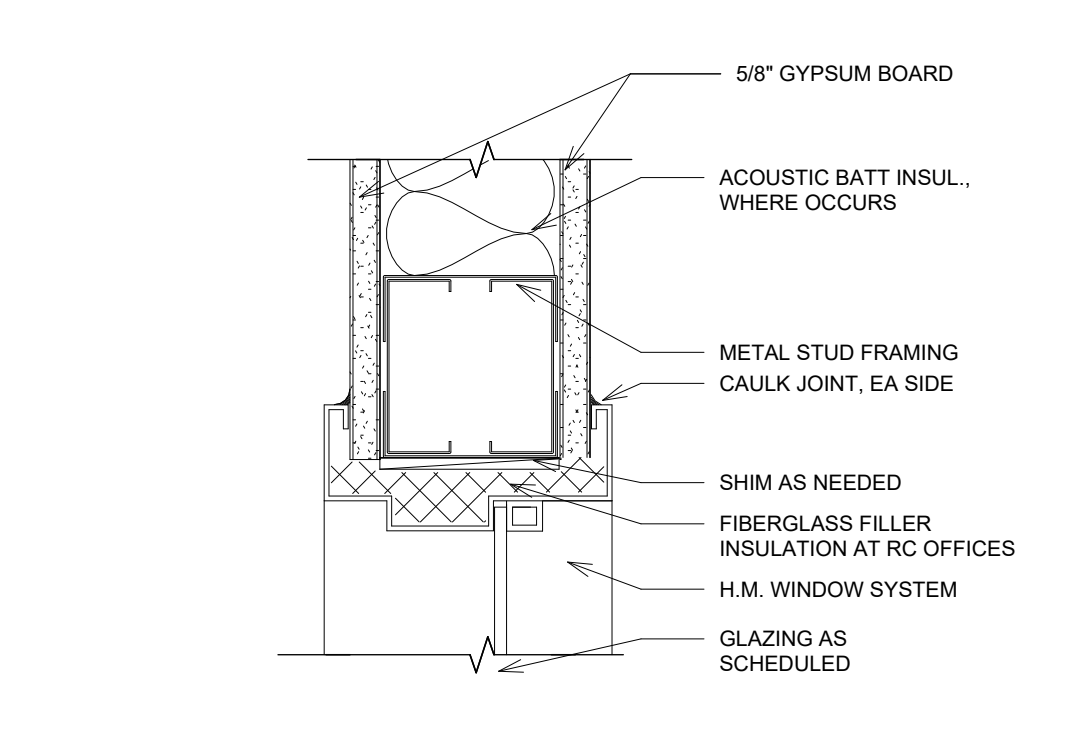


14 ACOUSTIC WINDOW
A601 3" = 1'-0"

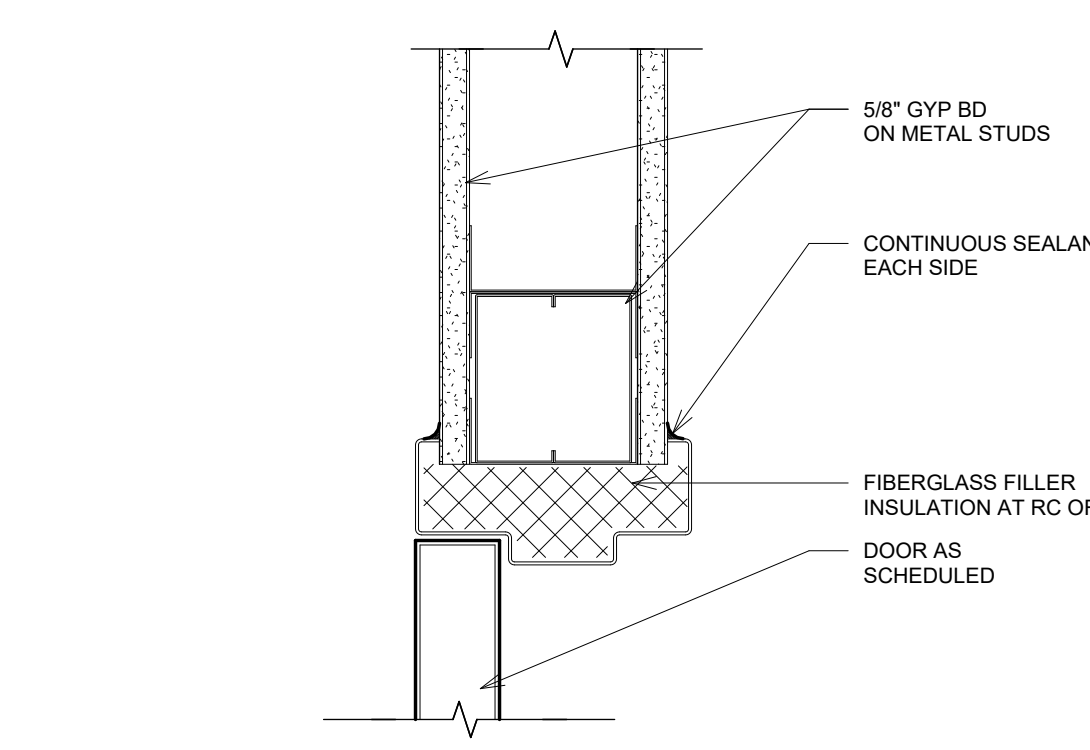
STC 56



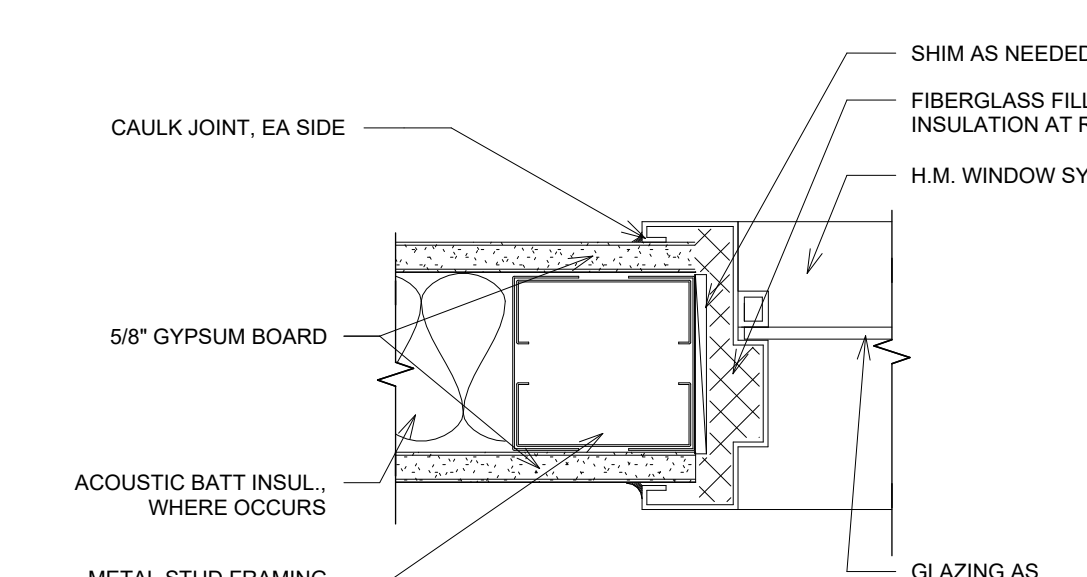
13 ACOUSTIC DOOR HEAD THRESHOLD
A601 3" = 1'-0"



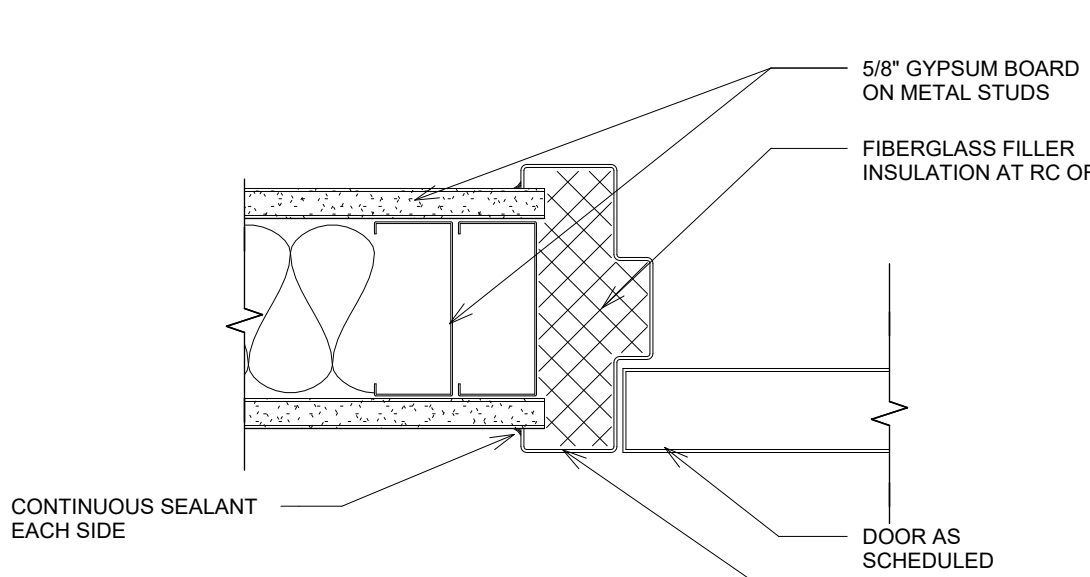
8 H.M. WINDOW HEAD @ GYP. BD.
A601 3" = 1'-0"



2 HM HEAD @ GYP. BD.
A601 3" = 1'-0"



7 H.M. WINDOW JAMB @ GYP. BD.
A601 3" = 1'-0"



1 HM DOOR JAMB @ GYP. BD.
A601 3" = 1'-0"



ENTRY



ENTRY



TOUCHDOWN SPACE



ART GALLERY HALLWAY



OPEN WORKSTATIONS



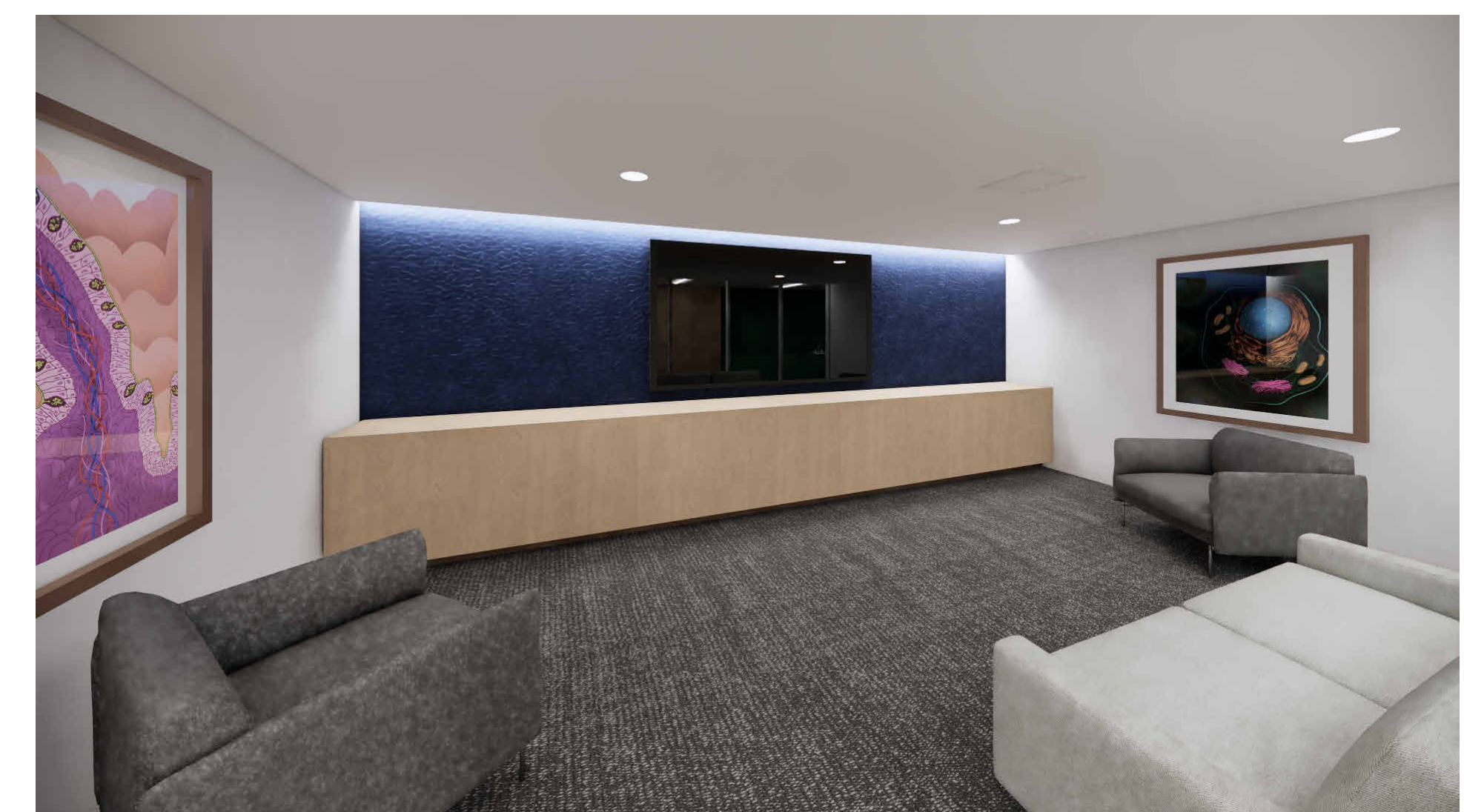
OPEN WORKSTATIONS



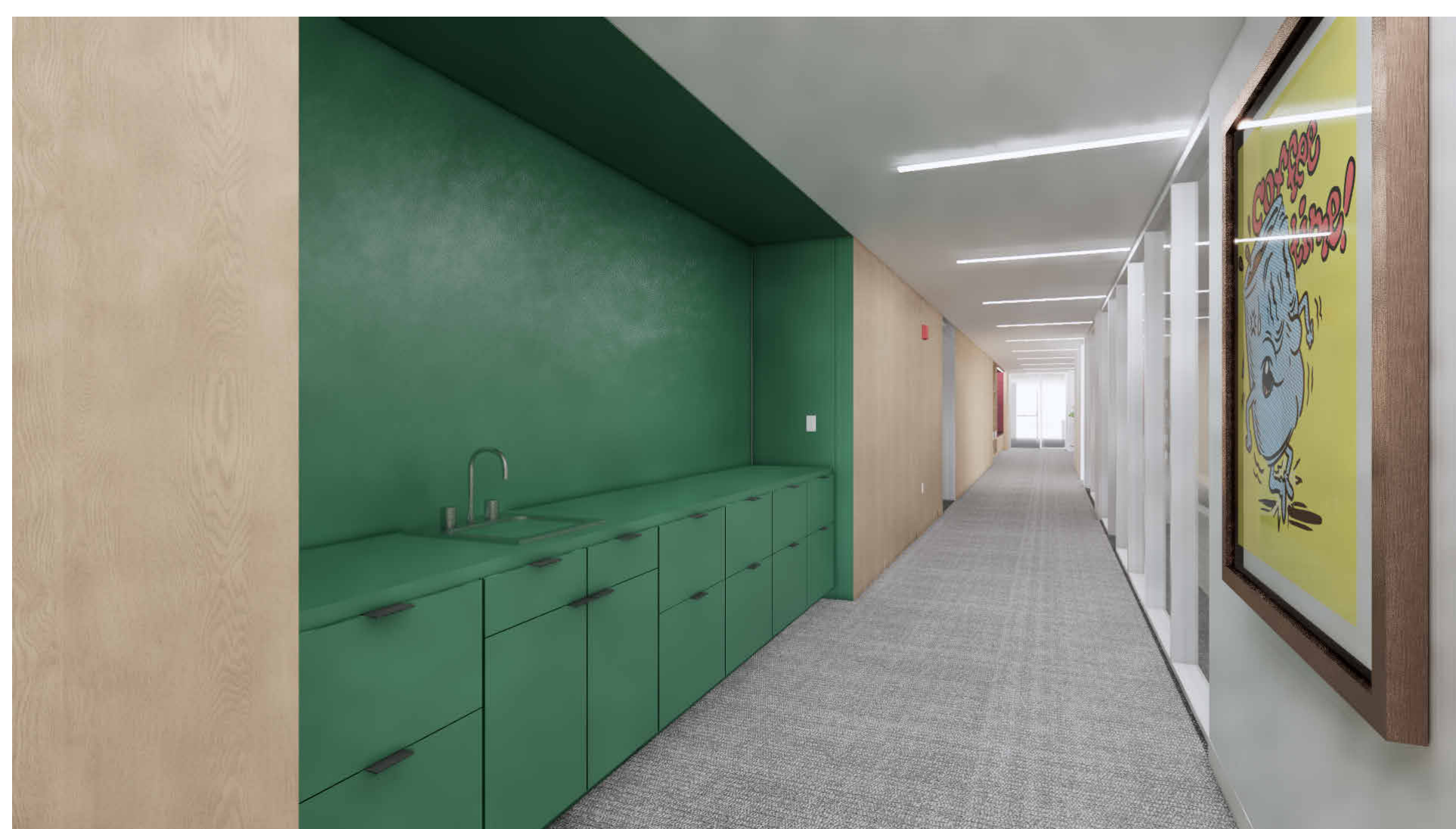
CONFERENCE ROOM



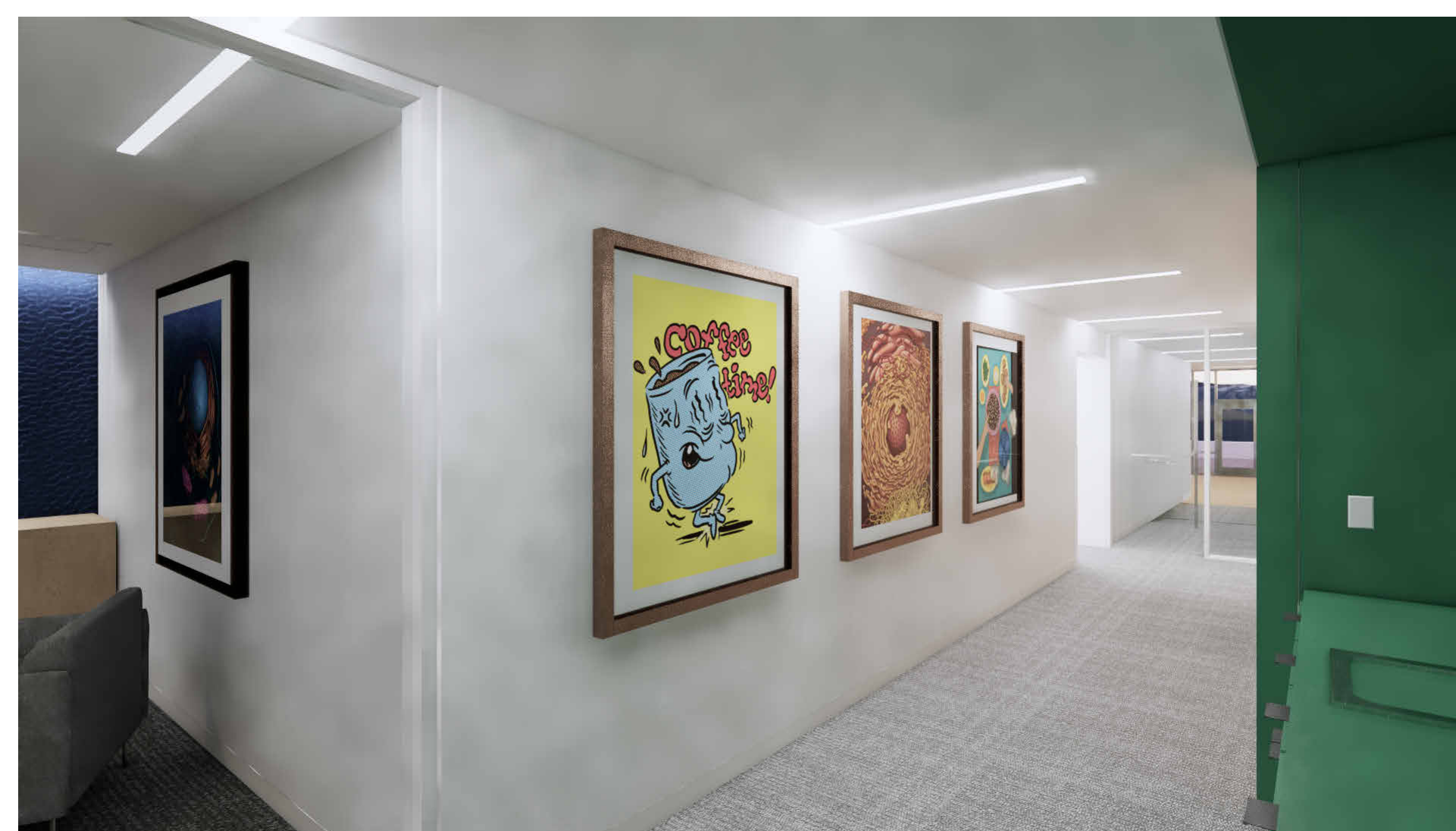
VIDEO PRODUCTION STUDIO



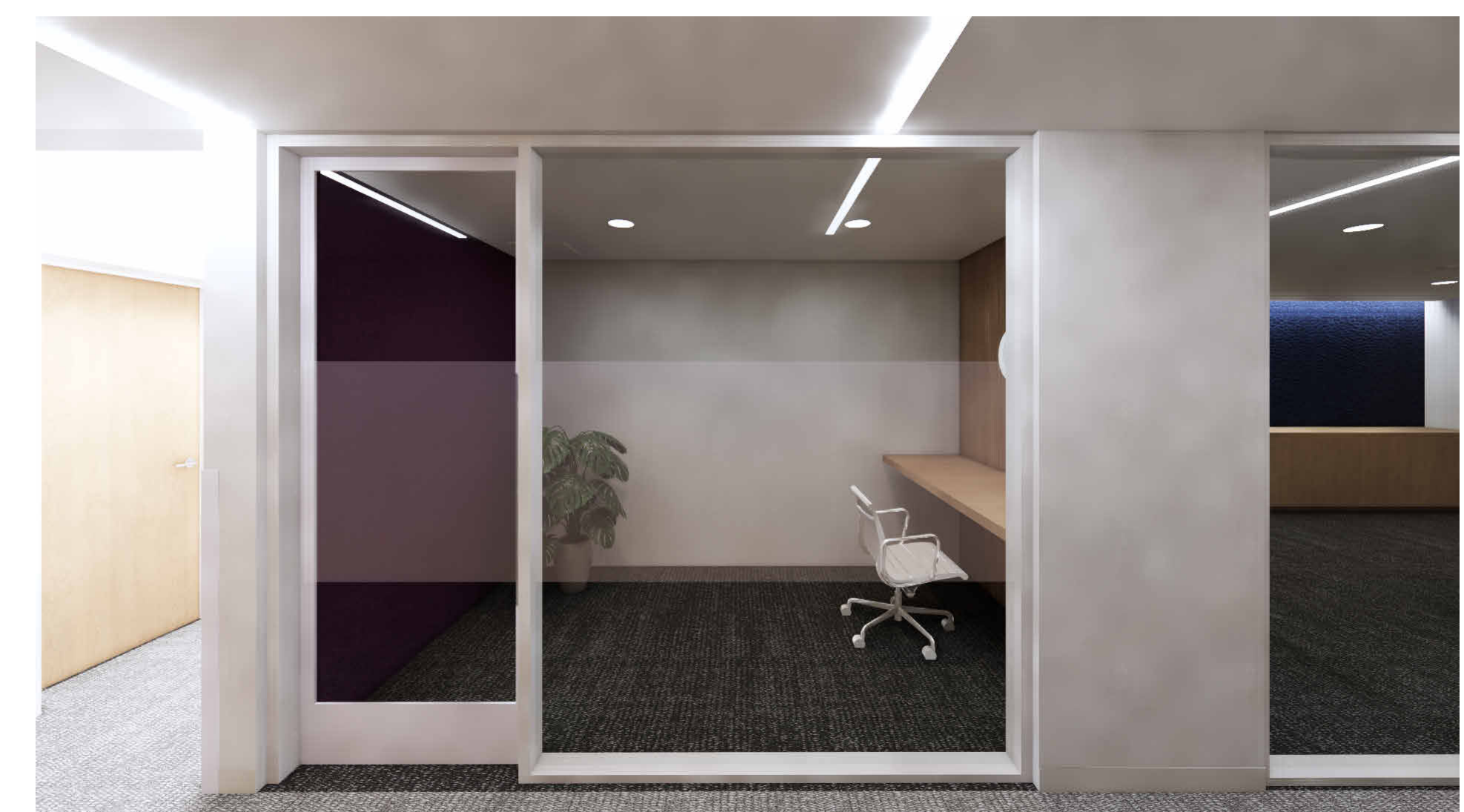
MEDIA REVIEW ROOM



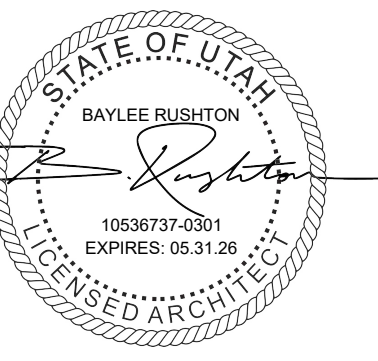
SNACK BAR



ART GALLERY HALLWAY



PHONE BOOTH



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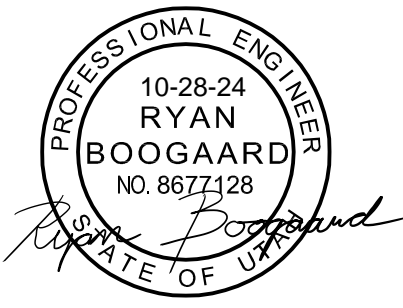
GSLC
295 CHIPETA WAY
SALT LAKE CITY, UT 84108

22812
10.30.2024

INTERIOR
RENDERINGS

A900

Scale



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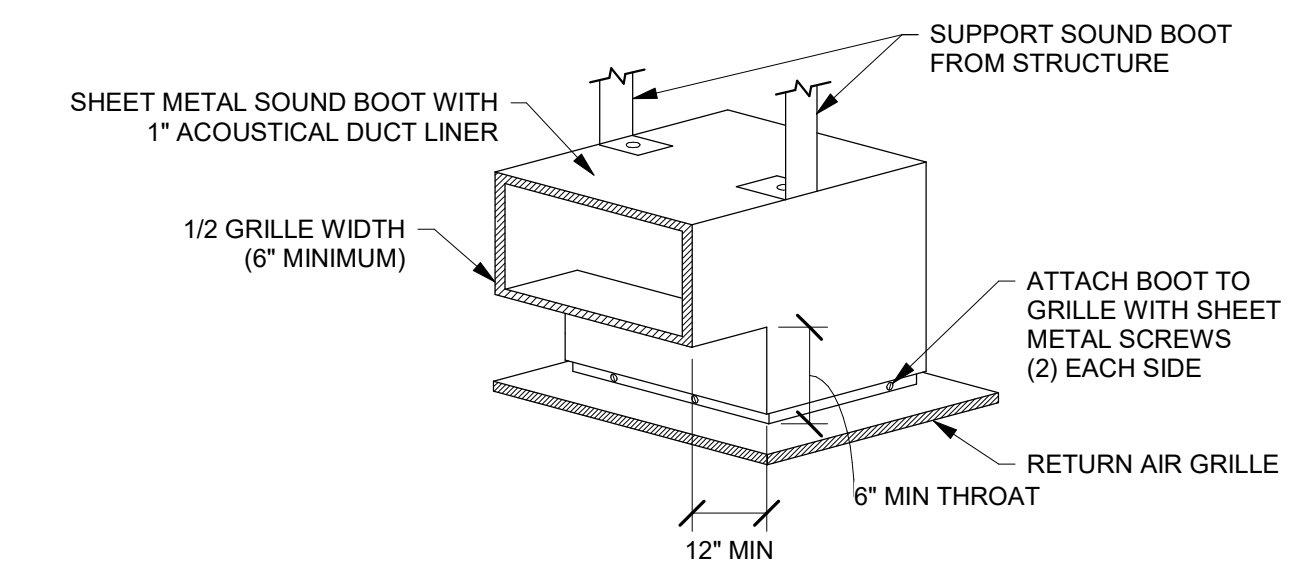


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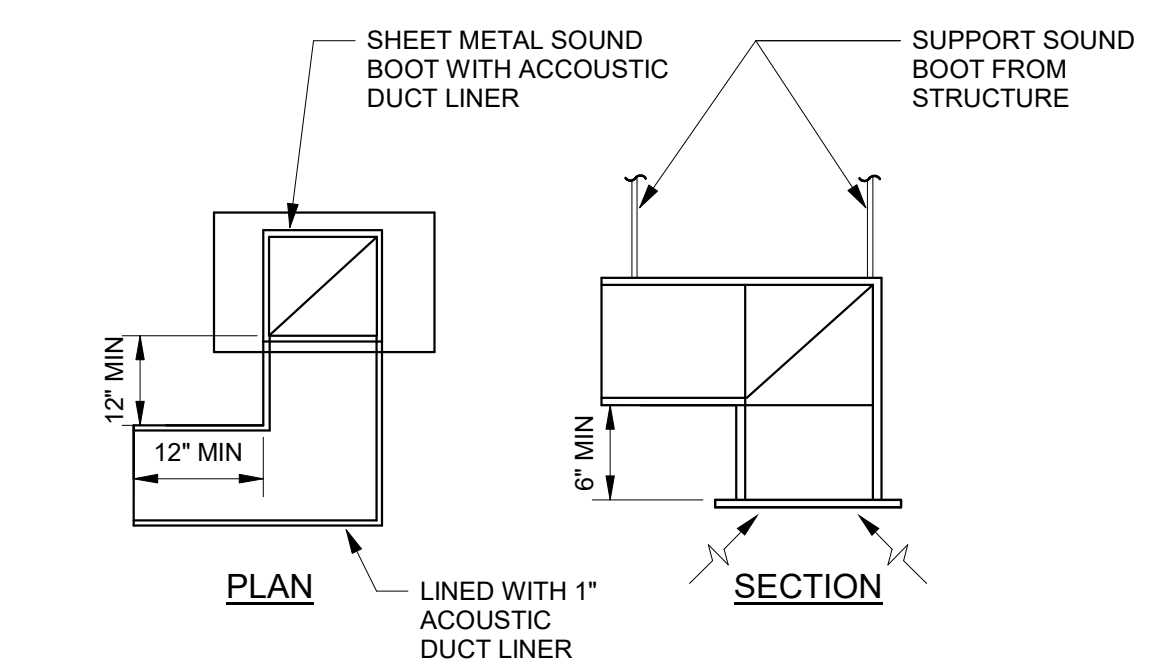
22812
10.30.2024

MECHANICAL
DETAILS

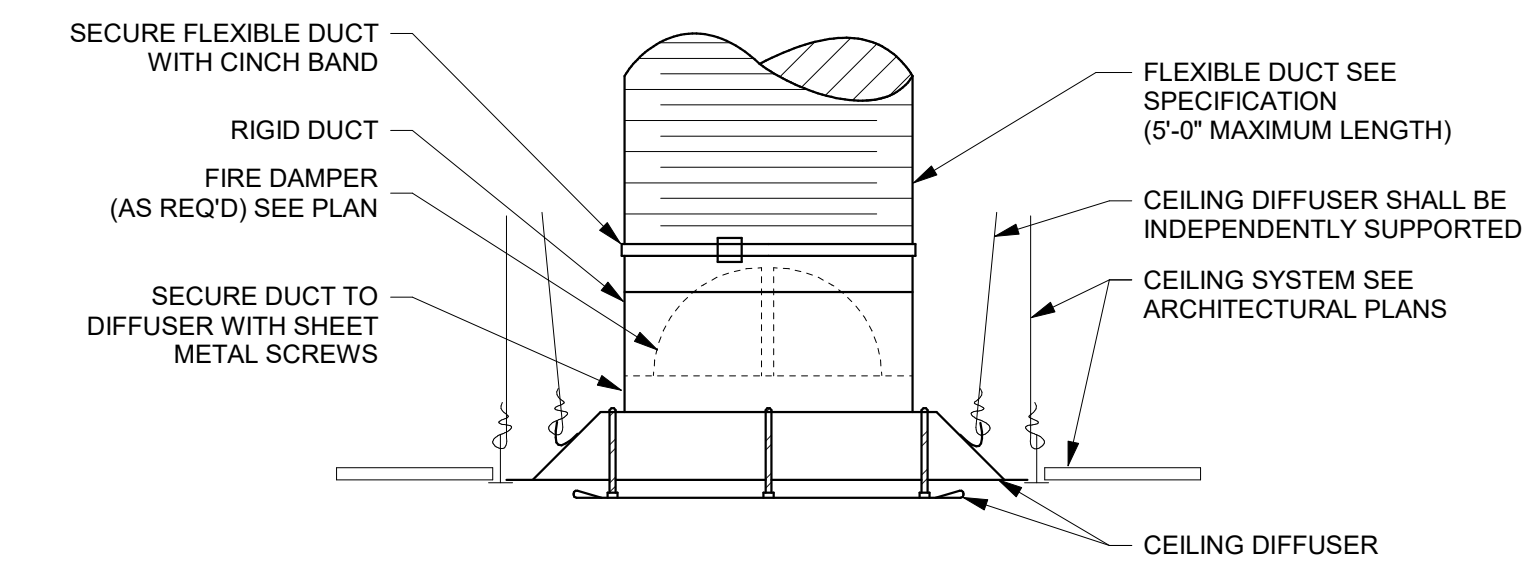
ME501
Scale 1/8" = 1'-0"



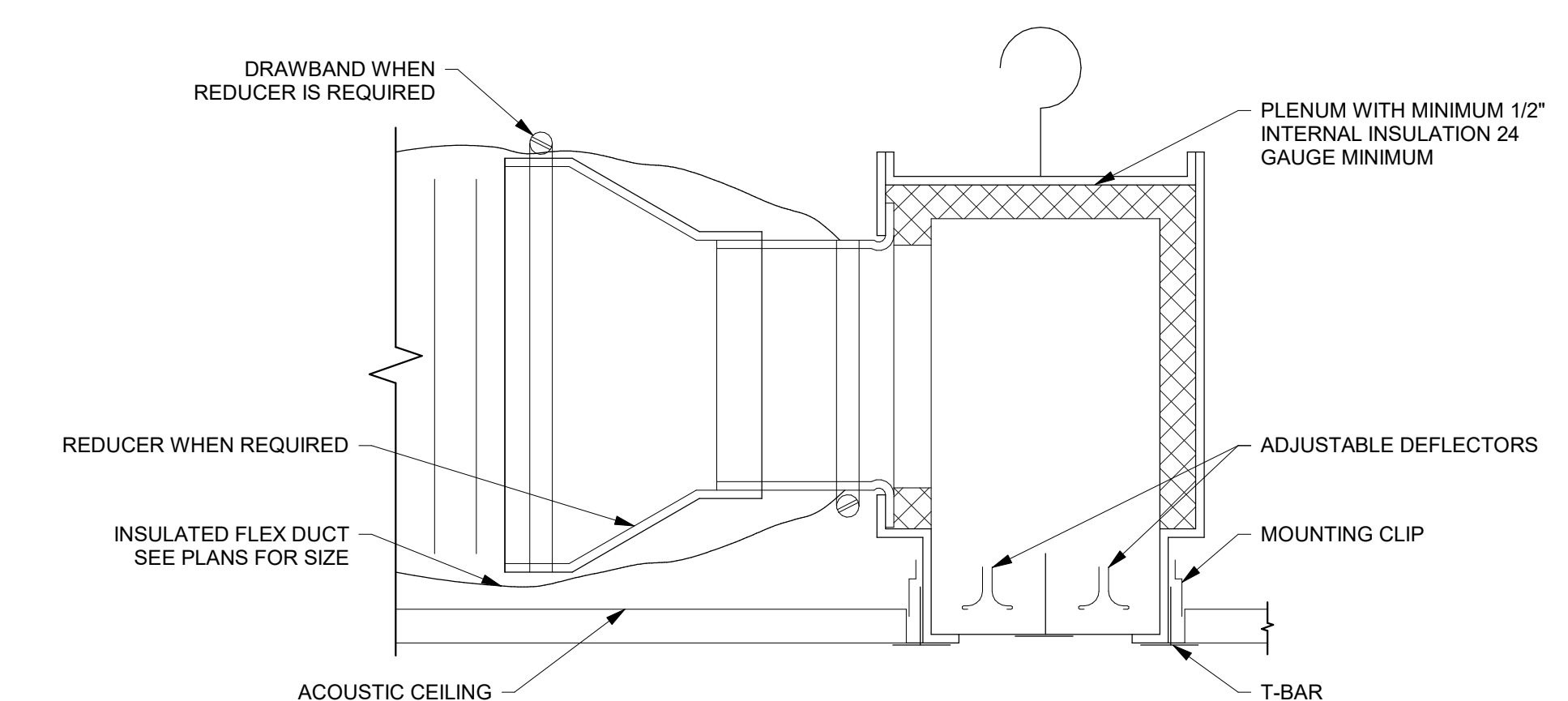
5 RETURN AIR GRILLE WITH EXTENDED SOUND BOOT
SCALE: 1/8" = 1'-0"



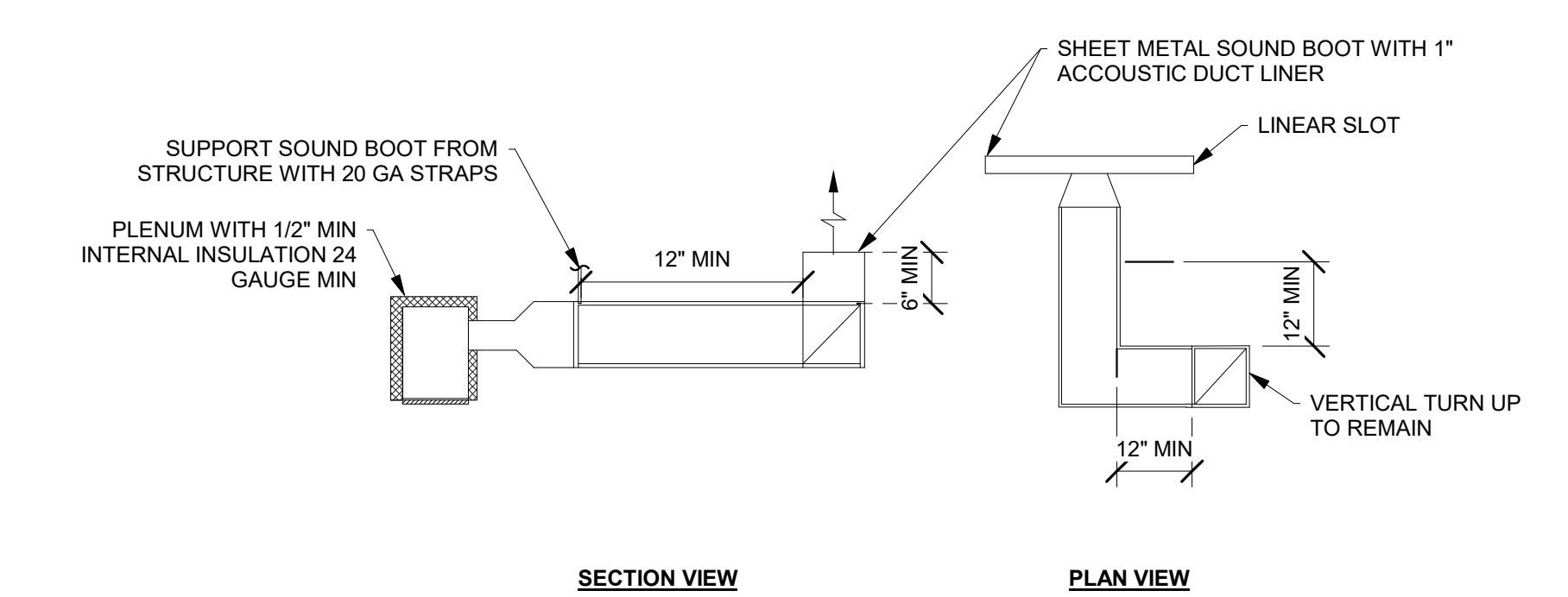
4 R.A. GRILLE WITH SOUND BOOT
SCALE: 1/8" = 1'-0"



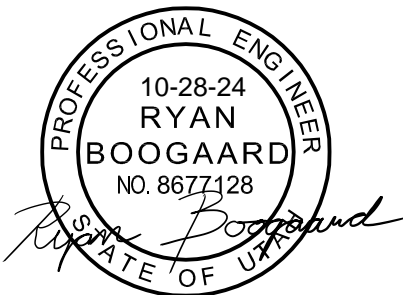
3 CEILING DIFFUSER DETAIL
SCALE: 1/8" = 1'-0"



2 LINEAR SLOT DIFFUSER DETAIL
SCALE: 1/8" = 1'-0"



1 LINEAR SLOT RETURN BOOT DETAIL
SCALE: 1/8" = 1'-0"



EXISTING FAN POWERED TERMINAL UNIT SCHEDULE

ACCEPTABLE MANUFACTURERS:		REMARKS:					
EXISTING		EXISTING FAN POWERED BOX. REBALANCE TO NEW WATER AND AIR FLOWS AS INDICATED					
LABEL	SERVES	PRIMARY AIRFLOW			HOT WATER FLOW RATE (GPM)	CHILLED WATER FLOW RATE (GPM)	
		MAX (CFM)	MIN (CFM)	INLET SIZE			
(E)FCU-F3A	OPEN WORKSTATIONS	1200	0	18"	4.0	7.30	
(E)FCU-F3B	PRINT MEDIA	850	0	12"	0.0	2.70	
(E)FCU-G3A	OPEN WORKSTATIONS	1250	0	18"	4.0	7.30	
(E)FCU-G3B	ENTRY, CORRIDOR, STORAGE	1075	0	18"	0.0	3.40	
(E)FCU-H3A	CONF ROOM	1200	0	18"	4.0	7.30	

EXISTING VAV TERMINAL UNIT SCHEDULE

ACCEPTABLE MANUFACTURERS:		REMARKS:					
EXISTING		EXISTING VAV BOX. REBALANCE TO NEW WATER AND AIR FLOWS AS INDICATED.					
LABEL	SERVES	AIRFLOW			HOT WATER HEATING COIL		
		MAX (CFM)	MIN (CFM)	INLET SIZE	MAX AIRFLOW (CFM)	FLOW RATE (GPM)	
(E)VAVR-E3D	SUPPLIES	400	0	6"	0	0	
(E)VAVR-E3A	LACTATION	200	60	6"	200	0.3	
(E)VAVR-E3B	OFFICE 1, 2, 3	400	80	6"	100	0.5	
(E)VAVR-E3C	DIRECTOR / OPEN WORKSTATION	1,350	235	12"	475	2.7	
(E)VAVR-F3A	OFFICE 4, 5, 6	400	80	6"	850	0.3	
(E)VAVR-F3B	MEDIA REVIEW	850	255	12"	850	1.8	
(E)VAVR-G3A	TOUCHDOWN & BOOTH	705	215	12"	705	1.5	
(E)VAVR-H3A	VIDEO OFFICE	200	60	6"	100	0.5	
(E)VAVR-H3B	SOUND STUDIO	200	60	6"	100	0.5	
(E)VAVR-H3C	SOUND OFFICE	200	60	6"	100	0.5	
(E)VAVR-H3D	VIDEO PRODUCTION	1,350	405	12"	850	2.9	

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REGISTER - GRILLE- DIFFUSER SCHEDULE

ACCEPTABLE MANUFACTURERS:		REMARKS:										
KRUEGER TUTTLE & BAILEY TITUS PRICE		(1) PROVIDE TRANSITION AS NECESSARY. (2) COORDINATE EXACT COLOR SELECTION WITH OWNER AND ARCHITECT. (3) PROVIDE WITH AIR-SCOOP FOR BALANCING.						(4) PROVIDE WITH LAY-IN TO HARD LID ADAPTER AS NECESSARY. (5) PROVIDE OWNER WITH TWO LINEAR SLOT ADJUSTMENT TOOLS FOR MODIFYING AIRFLOW DIRECTION. (6) DIFFUSER TO BE BLACK.				
LABEL	TYPE	MAX AIRFLOW (CFM)	FACE SIZE	NECK SIZE	BLOW PATTERN	PD (IN-WC)	THROW(S) (FT)	MAX NC	MANUFACTURER	MODEL	REMARKS	
LSD-1	LINEAR SLOT SUPPLY	220	4'-3 SLOT	SEE PLANS	2-WAY - 1/2" SLOT	0.130	14-17-24	30	PRICE INDUSTRIES	SDS SERIES	5.6	
R-1	LOUVERED RETURN GRILLE	950	24" X 12"	SEE PLANS	N/A	0.100	N/A	30	PRICE INDUSTRIES	535	2.4	
R-2	LOUVERED RETURN GRILLE	1750	24" X 24"	SEE PLANS	N/A	0.100	N/A	30	PRICE INDUSTRIES	535	2.4	
S-1	SQUARE PLAQUE DIFFUSER	315	12" X 12"	8" Ø	4-WAY	0.343	6-9-14	30	PRICE INDUSTRIES	SPD	1.2	
S-2	SQUARE PLAQUE DIFFUSER	545	20" X 20"	10" Ø	4-WAY	0.203	5-7-10	30	PRICE INDUSTRIES	SPD	1.2	
S-3	SQUARE PLAQUE DIFFUSER	235	24" X 24"	8" Ø	4-WAY	0.093	4-5-8	30	PRICE INDUSTRIES	SPD	1.2	
S-4	SQUARE PLAQUE DIFFUSER	360	24" X 24"	8" Ø	4-WAY	0.115	4-6-10	30	PRICE INDUSTRIES	SPD	1.2	
S-5	SQUARE PLAQUE DIFFUSER	545	24" X 24"	10" Ø	4-WAY	0.180	5-8-12	30	PRICE INDUSTRIES	SPD	1.2	
S-6	SQUARE PLAQUE DIFFUSER	450	24" X 24"	12" Ø	4-WAY	0.093	4-6-11	15	PRICE INDUSTRIES	SPD	1.2	
SGR-1	LOUVERED SIDEWALL RETURN	1500	24" X 24"	24" X 24"	N/A	0.100	N/A	30	PRICE INDUSTRIES	535	2	

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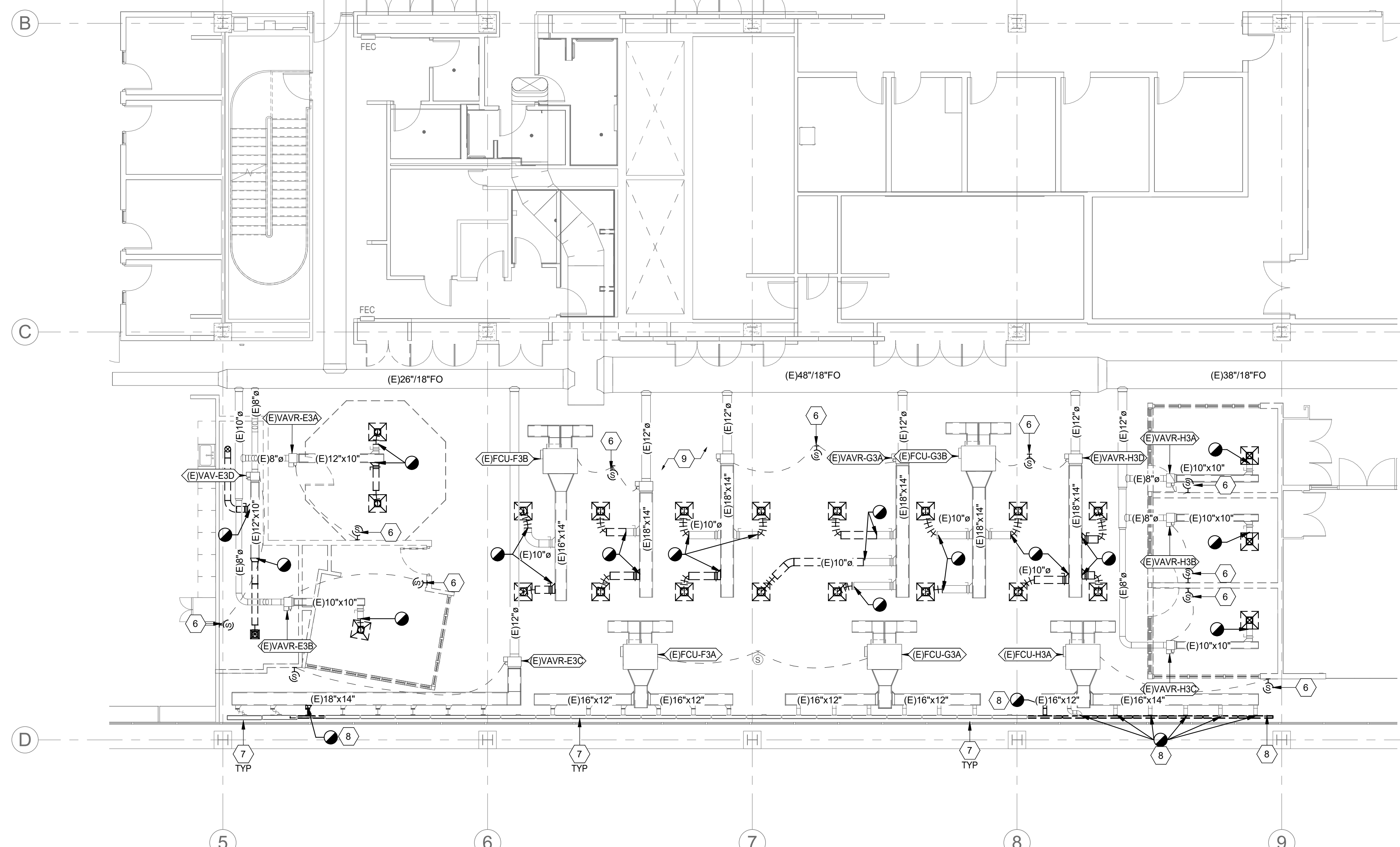
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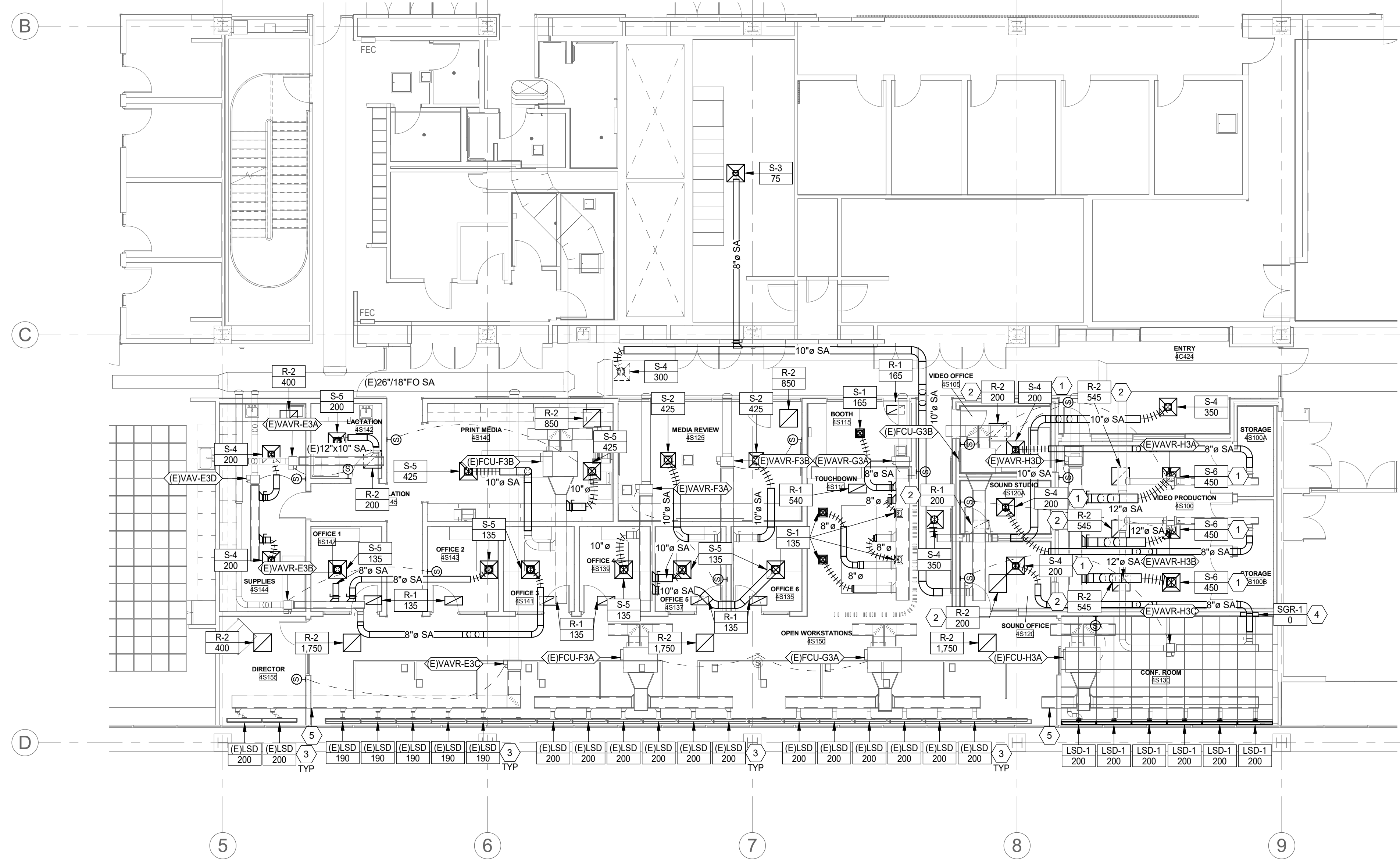
MECHANICAL SCHEDULES

ME601

Scale



2 LEVEL 4 MECHANICAL DEMOLITION PLAN
SCALE: 1/8" = 1'-0"



1 LEVEL 4 MECHANICAL PLAN
SCALE: 1/8" = 1'-0"

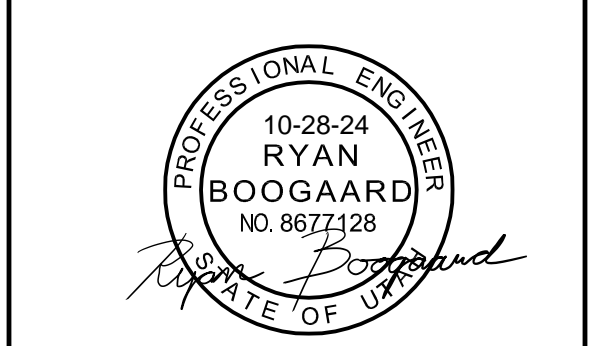
GENERAL SHEET NOTES

- MECHANICAL GENERAL NOTES:**
- THIS CONTRACTOR SHALL CLOSELY COORDINATE MECHANICAL AND PLUMBING WITH ELECTRICAL, ARCHITECTURAL, AND BUILDING STRUCTURE.
 - 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.
 - ALL MEDIUM PRESSURE DUCTWORK TO BE WRAPPED WITH PERFORATED INTERIOR DUCTWORK. NO DUCT LINER IN OUTSIDE AIR DUCTWORK OR DUCTWORK WITH IN DUCT HUMIDIFIERS.
 - ALL DUCT DIMENSIONS ARE INSIDE CLEAR DIMENSIONS.
 - FLEXIBLE DUCT MAY BE USED AT FINAL TERMINATION OF DUCT TO DIFFUSER OR GRILLE. MAXIMUM FLEXIBLE DUCT LENGTH IS 5'-0". PROVIDE DUCT SUPPORTS EVERY 3 FEET. FLEX DUCT SHALL NOT BE COMPRESSED OR KINKED BY ANY OBJECTS SUCH AS STRUCTURE, PIPING, ETC.
 - GRILLES AND DUCTWORK ARE SIZED INDEPENDENTLY. THE NECK SIZE OF GRILLES MAY NOT MATCH THE ASSOCIATED DUCT SIZE. PROVIDE TRANSITION TO GRILLES AS NECESSARY.
 - PROVIDE BALANCING DAMPER WITH LOCKING QUADRANT IN EACH DUCT BRANCH OF SUPPLY AND EXHAUST DUCTWORK.
 - PROVIDE REMOTE CABLE OPERATED DAMPER SYSTEM FOR ALL DUCTWORK ABOVE HARD LID CEILINGS OR WHERE DAMPER IS UNACCESSIBLE 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.
 - GO 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 AIRFLOWS REQUIRED AT LOWEST POSSIBLE SPEEDS. TAB CONTRACTOR SHALL VERIFY THE OUTSIDE AIR AT EACH RTU IS AS SCHEDULED. 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.
 - 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.
 - THIS CONTRACTOR SHALL ENGAGE A FIRE PROTECTION DESIGN BUILD CONTRACTOR TO MODIFY THE EXISTING FIRE SPRINKLER SYSTEM. DESIGNER SHALL BE NICET LEVEL III TECHNICIAN. WORKING PLANS AND CALCULATIONS SHALL BE PREPARED ACCORDING TO NFPA 13, AND BE APPROVED BY AUTHORITIES HAVING JURISDICTION, INCLUDING HYDRAULIC CALCULATIONS IF APPLICABLE.
 - PROVIDE NEW QUICK RESPONSE FIRE SPRINKLER HEADS IN ALL AREAS OF WORK. SPRINKLER HEADS TO BE ON FLEXIBLE BRAIDED STAINLESS DROPS. SPRINKLER HEAD TO BE CENTER IN HALF OF TILE.
 - CONTROLS TO MATCH EXISTING JOHNSON METASYS CONTROLS. TIE INTO EXISTING JOHNSON CONTROLS DDC SYSTEM AND UPDATED GRAPHICS. PROVIDE ENGINEER WITH 2 WEEKS OF TRENDS SHOWING PROPER OPERATION OF EQUIPMENT UPON COMPLETION OF PROJECT. TRENDS DATA SHALL INCLUDE THE FOLLOWING DATA AT A MINIMUM: SPACE TEMPERATURE, SPACE SET POINT, HEATING OR COOLING MODE, AIR FLOW (FOR VAV SYSTEMS), & VALVE POSITION (FOR VAV SYSTEMS). SEE SEQUENCE OF OPERATIONS AND CONTROLS REQUIREMENTS ON SCHEDULE SHEETS/SPECIFICATIONS.
 - COORDINATE EXACT THERMOSTAT LOCATIONS WITH FURNITURE AND OWNER. FAILURE TO DO SO MAY REQUIRE MOVING THERMOSTATS AT CONTRACTORS COST.
 - ALL CONTROLS WIRING SHALL BE INSTALLED IN RACEWAYS AND BE THE RESPONSIBILITY OF THE CONTROLS CONTRACTOR. RACEWAYS SHALL CONFORM TO THE FOLLOWING SPECIFICATIONS: HANGERS AND SUPPORTS FOR ELECTRICAL SYSTEMS, RACEWAYS AND BOXES FOR ELECTRICAL SYSTEMS AND SEISMIC CONTROLS FOR ELECTRICAL SYSTEMS.
 - CONTRACTOR SHALL FIELD VERIFY EXISTING FIELD CONDITIONS PRIOR TO ORDERING OR FABRICATING. ADDITIONAL COST WILL NOT BE ALLOWED FOR CONTRACTOR'S FAILURE TO BECOME FAMILIAR WITH EXISTING SITE CONDITIONS.
 - 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. SOUND BOOT DETAIL.
 - 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 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 SYSTEM BALANCING REPORT, FINAL COMMISSIONING REPORT AND MAINTENANCE PROCEDURES.
 - PIPING AND DUCTWORK 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 AND DUCTWORK WITHIN 12" FROM SUPPORTING STRUCTURE.
 - WHERE JURISDICTION REQUIRES, CONTRACTOR IS RESPONSIBLE FOR PROVIDING SEISMIC RESTRAINT AND SUPPORT ENGINEERED BY A LICENSED STRUCTURAL ENGINEER. PROVIDE DESIGN DRAWINGS TO AUTHORITY HAVING JURISDICTION AND MECHANICAL ENGINEER FOR REVIEW.

SHEET KEYNOTES

- GRILLES AND DIFFUSERS SELECTED FOR A MAXIMUM NC OF 15 FOR SPECIFIED AIRFLOW.
- PROVIDE EXTENDED SOUND BOOT ON RETURN GRILLE.
- REUSE EXISTING LINEAR SLOT DIFFUSER. SHIFT TO MATCH NEW CEILING GRID.
- LOW SIDEWALL RETURN. USE WALL CAVITY FOR RETURN AIR PATH UP TO CEILING PLENUM. MAINTAIN A MINIMUM FREE AREA IN WALL OF 8'X24" UP TO CEILING PLENUM.
- CAP DUCT IN THIS APPROXIMATE LOCATION.
- REMOVE EXISTING SENSOR/THERMOSTAT AND PROVIDE NEW.
- EXISTING LINEAR SLOT DIFFUSER TO BE REMOVED, CLEANED, AND REINSTALLED.
- DEMOLISH EXISTING LINEAR SLOT DIFFUSER.
- DEMOLISH EXISTING DIFFUSERS AND GRILLES IN THIS AREA UNLESS NOTED OTHERWISE.

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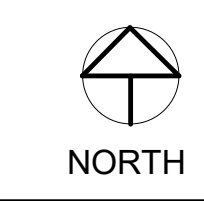


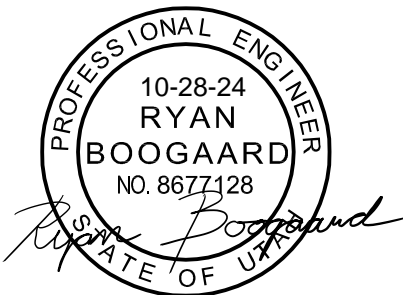
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LEVEL 4
MECHANICAL
PLAN

MH101
Scale As indicated





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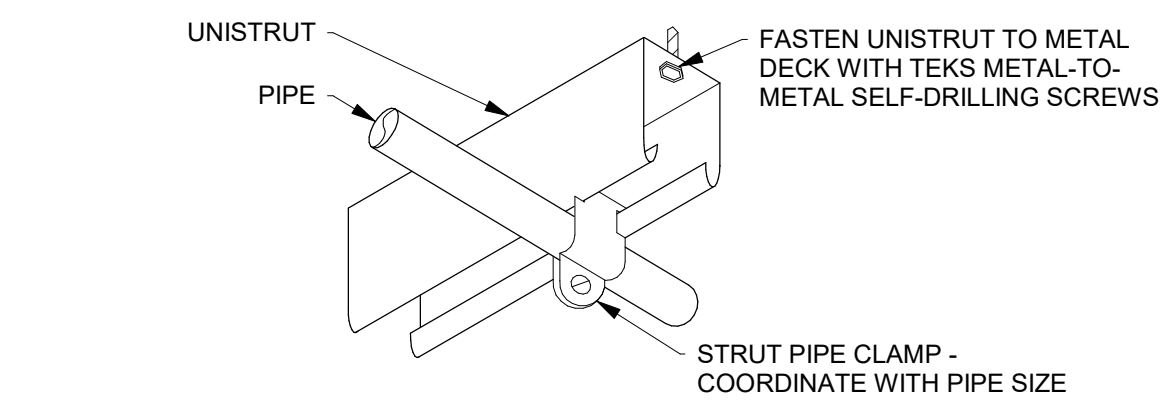
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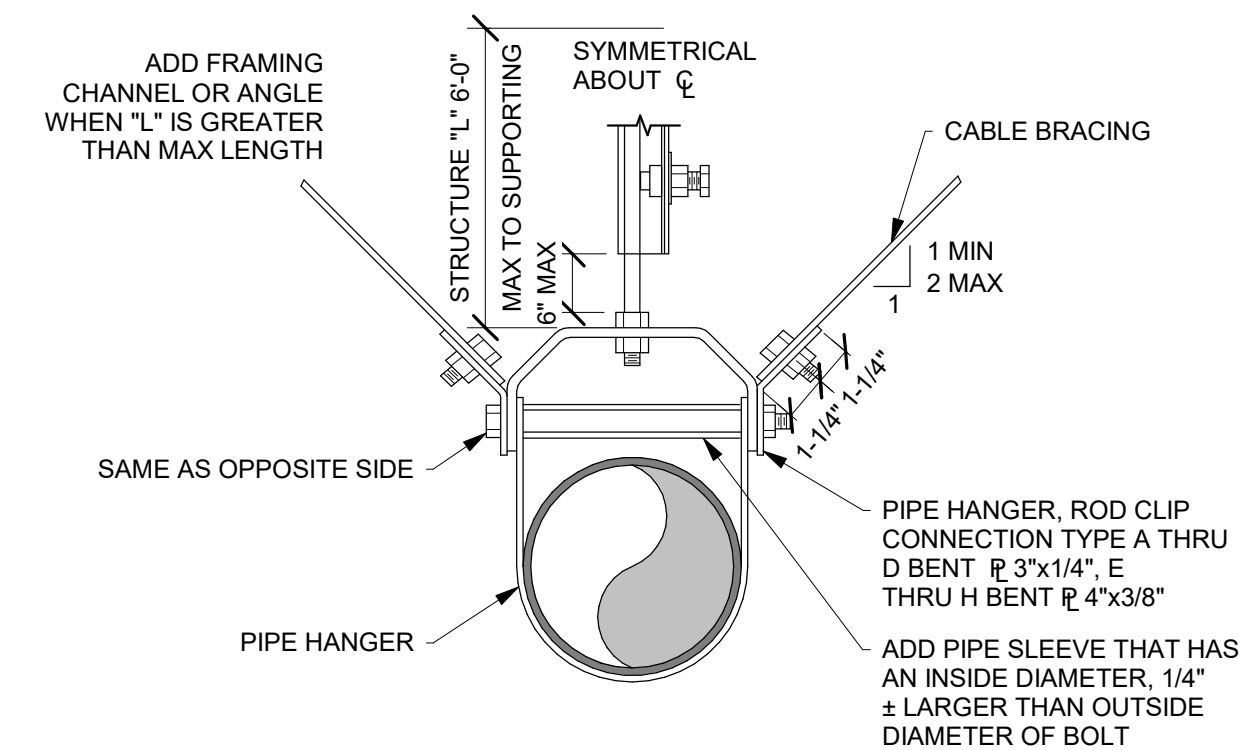
PLUMBING FIXTURE SCHEDULE

REFER TO PLUMBING SPECIFICATIONS FOR COMPLETE FIXTURE COMPONENTS

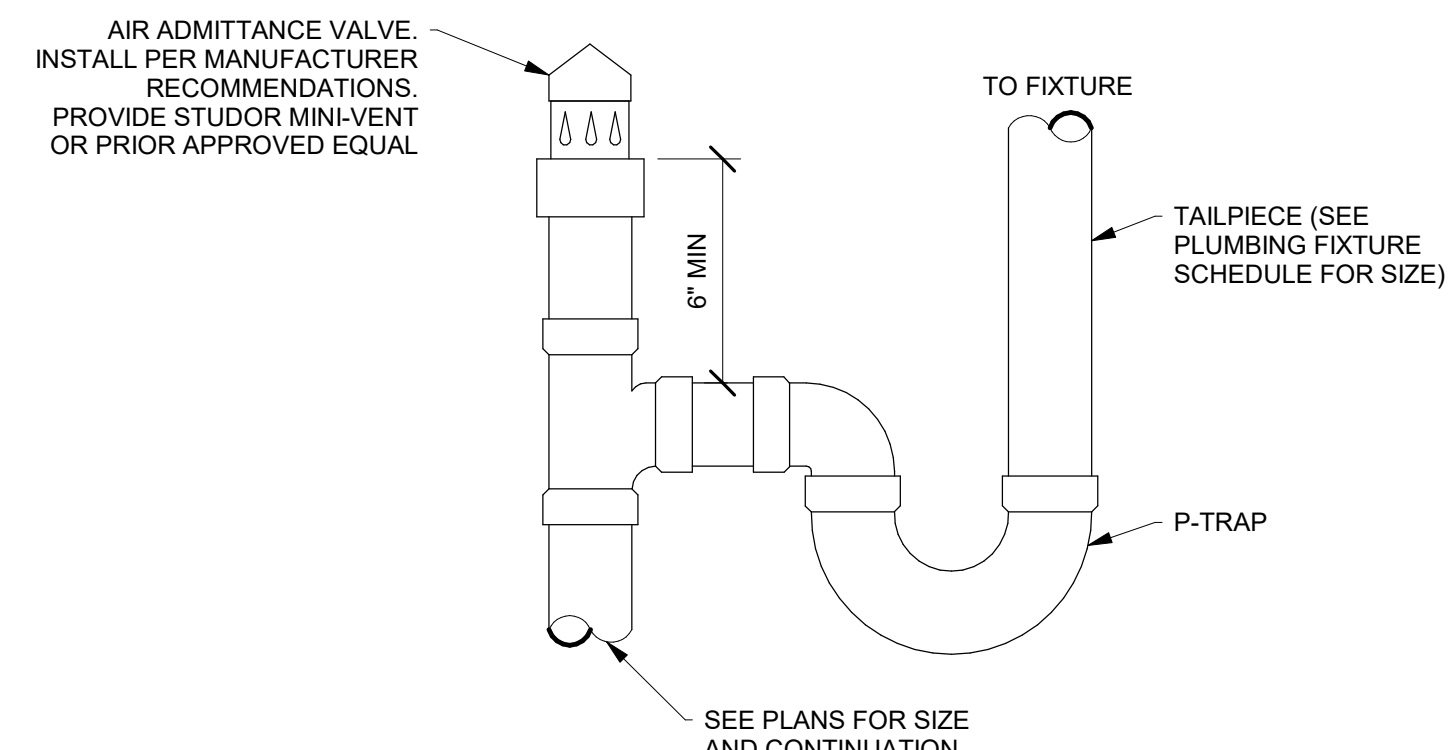
LABEL	DESCRIPTION	WASTE	VENT	CW	HW	MANUFACTURER	MODEL	REMARKS
FCO	FLOOR CLEANOUT	0"	0"	0"	0"	ZURN	Z1400 SERIES	SIZE TO MATCH PIPE BEING SERVED
S-1	UNDERMOUNT SINGLE BOWL SINK (ACCESSIBLE)	1 1/2"	1 1/2"	1/2"	1/2"	FIXTURE: ELKAY FAUCET: MOEN	FIXTURE: ELUHAD141455PD FAUCET: 7594 - CHROME	



4 PIPE SUPPORT DETAIL
SCALE: 1/8" = 1'-0"



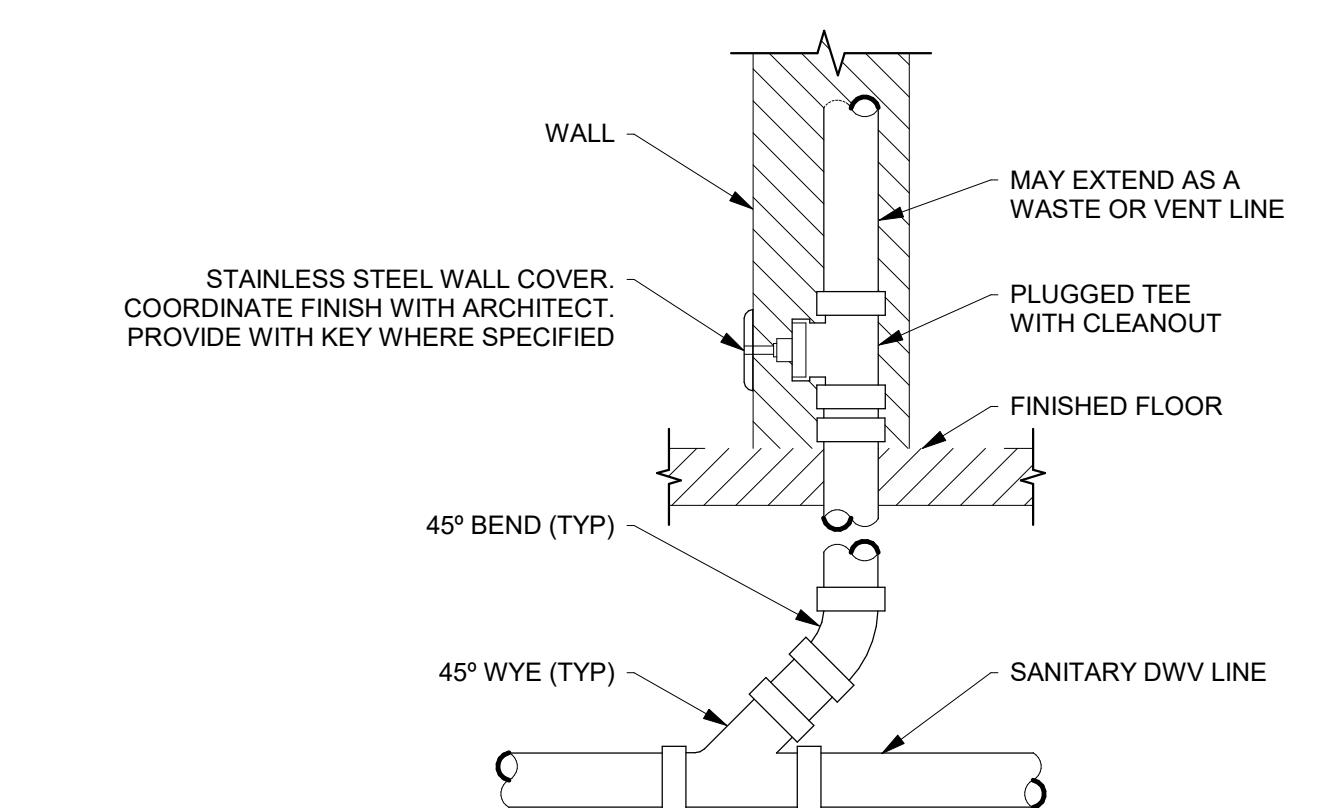
3 CABLE BRACING FOR PIPES
SCALE: 1/8" = 1'-0"



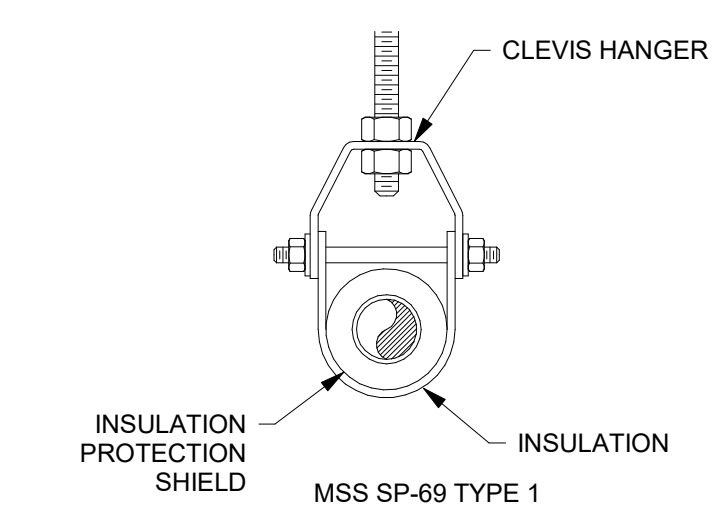
6 AIR ADMITTANCE VALVE DETAIL
SCALE: 1/8" = 1'-0"

NOMINAL PIPE SIZE	MINIMUM CENTERLINE SPACING			
	DIM A	DIM B	DIM C	DIM D
1/2" - 3/4"	5"	6"	3"	3 1/2"
1" - 1 1/2"	6"	8"	4"	4"
2" - 2 1/2"	7"	10"	5"	4 1/2"
3"	7 1/2"	11"	6"	5"
4"	8"	12"	7"	5 1/2"
5"	8 1/2"	13"	8"	6"
6"	9"	14"	9"	6 1/2"
8"	10"	16"	11"	7 1/2"

2 PIPE CLEARANCES DETAIL
SCALE: 1/8" = 1'-0"



5 CLEANOUT - WALL DETAIL
SCALE: 1/8" = 1'-0"



- NOTES:**
- STEEL PIPE HANGERS FOR PLASTIC PIPE SHALL BE PLASTIC COATED.
 - STEEL PIPE HANGERS FOR COPPER PIPE SHALL BE PLASTIC COATED.

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

DCM SEAL

No	Description	Date

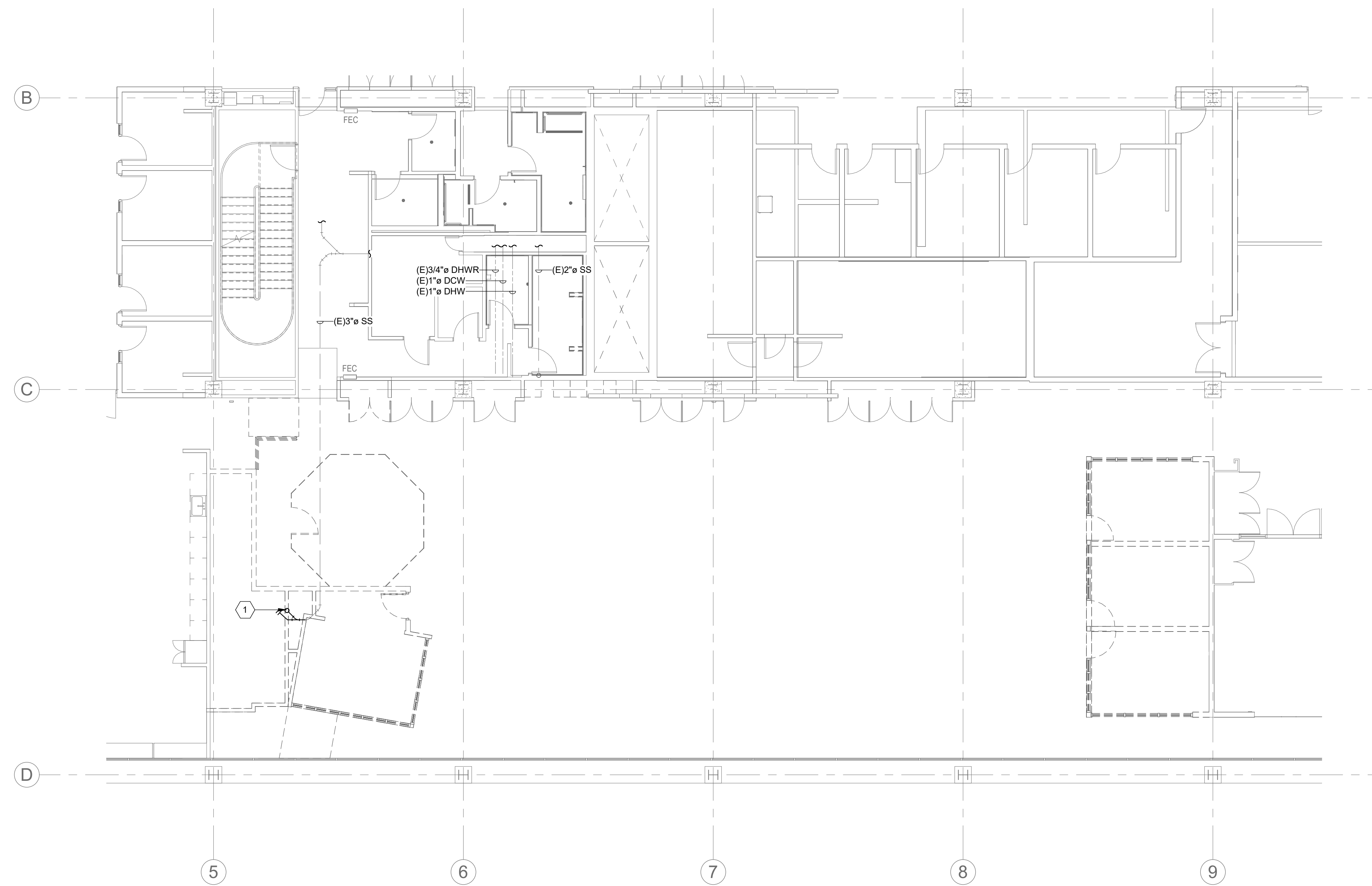


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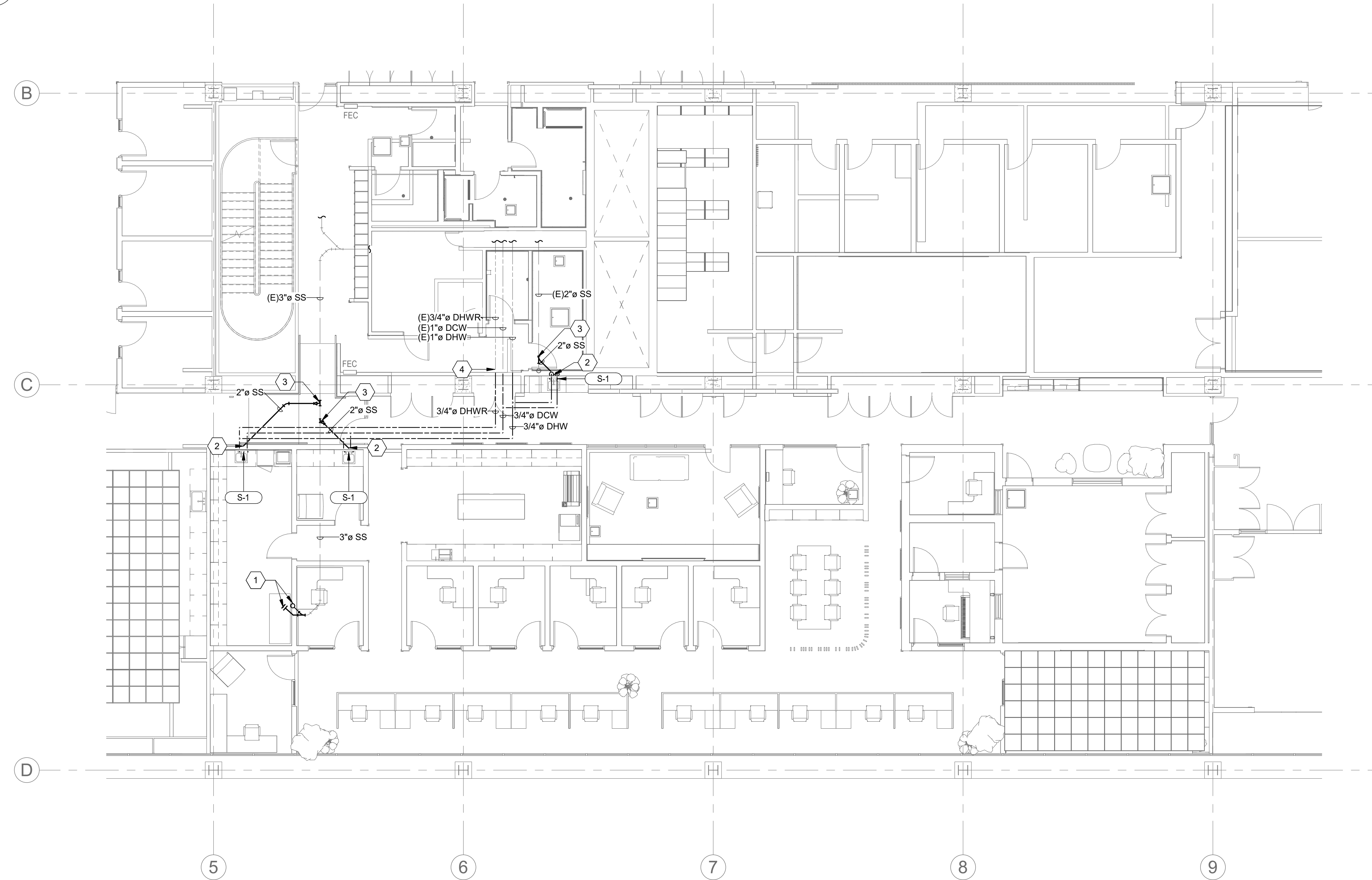
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PLUMBING SCHEDULES

PE601
Scale 1/8" = 1'-0"



2 LEVEL 4 PLUMBING DEMOLITION PLAN
SCALE: 1/8" = 1'-0"



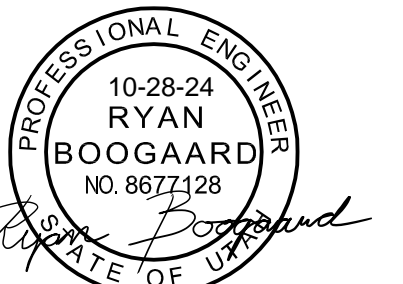
1 LEVEL 4 PLUMBING PLAN - WATER
SCALE: 1/8" = 1'-0"

GENERAL SHEET NOTES

- 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.
- THE CONTRACTOR SHALL CLOSELY COORDINATE MECHANICAL AND PLUMBING WITH ELECTRICAL, ARCHITECTURAL, AND BUILDING STRUCTURE.
- 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 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.
- 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 PLUMBING PIPING TO BE LOCATED ON WARM SIDE OF BUILDING ENVELOPE. ALL ROOF DRAIN PIPING (PRIMARY AND SECONDARY) TO BE LOCATED IN BUILDING ENVELOPE AND TO BE FULLY INSULATED, INCLUDING ANY ROOF DRAIN BOWLS.
- THE CONTRACTOR SHALL FIELD VERIFY EXISTING FIELD CONDITIONS PRIOR TO ORDERING OR FABRICATING. ADDITIONAL COST WILL NOT BE ALLOWED FOR CONTRACTOR'S FAILURE TO BECOME FAMILIAR WITH EXISTING SITE CONDITIONS.
- 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. FOR CAST IRON, 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. FOR PLASTIC PIPING PERFORM WATER TEST WITH NO LESS THAN 10' OF HEAD OF WATER. 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.
- WHERE JURISDICTION REQUIRES, THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING SEISMIC RESTRAINT. PROVIDE DESIGN DRAWINGS TO AUTHORITY HAVING JURISDICTION AND MECHANICAL ENGINEER FOR REVIEW.
- 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

SHEET KEYNOTES

- RELOCATE EXISTING 3" VENT STACK AND 3" CLEAN-OUT.
- PROVIDE AIR ADMITTANCE VALVE
- CONNECT TO EXISTING SANITARY SEWER LINE IN THIS APPROXIMATE LOCATION.
- CONNECT TO EXISTING DOMESTIC COLD, HOT, AND HOT WATER RECIRCULATING LINES IN THIS APPROXIMATE LOCATION.



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CONSTRUCTION DOCUMENTS

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22812

10.30.2024

LEVEL 4
PLUMBING PLANS



PL101

Scale As indicated

SYMBOLS LEGEND TABLE with columns: SYMBOL, DESCRIPTION. Includes sections: REFERENCE AND LINE SYMBOLS, WIRING METHODS, LIGHTING, FIRE ALARM, SECURITY.

SYMBOLS LEGEND TABLE with columns: SYMBOL, DESCRIPTION. Includes sections: LIGHTING, FIRE ALARM, ELECTRICAL POWER AND DISTRIBUTION, SECURITY.

ABBREVIATIONS TABLE with columns: SYMBOL, DESCRIPTION. Includes sections: LIGHTING, FIRE ALARM, ELECTRICAL POWER AND DISTRIBUTION, SECURITY.

GENERAL ELECTRICAL NOTES section with numbered list of instructions regarding clarification methods, owner furnished items, and reflected ceiling plans.

SITE COORDINATION table with columns: TELEPHONE UTILITY, UNIVERSITY OF UTAH, PERSON CONTACTED, DATE, PHONE NUMBER, EMAIL.

ELECTRICAL SHEET INDEX table with columns: SHEET NUMBER, DESCRIPTION. Lists sheets from EE001 to EY102.

DEFINITIONS section with text explaining terms and a table with columns: No, Description, Date. Includes University of Utah logo and project details (GSLC, 295 CHIPETA WAY, SALT LAKE CITY, UT 84108).

STUDIO LP logo and contact information for SPECTRUM CONSULTANTS INC. (324 S. State St., Suite 400, Salt Lake City, UT 84111).



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GENETIC SCIENCE LEARNING CENTER logo and text oriented vertically on the right side of the page.

CONSTRUCTION DOCUMENTS table with columns: No, Description, Date. Shows sheets from EE001 to EY102.

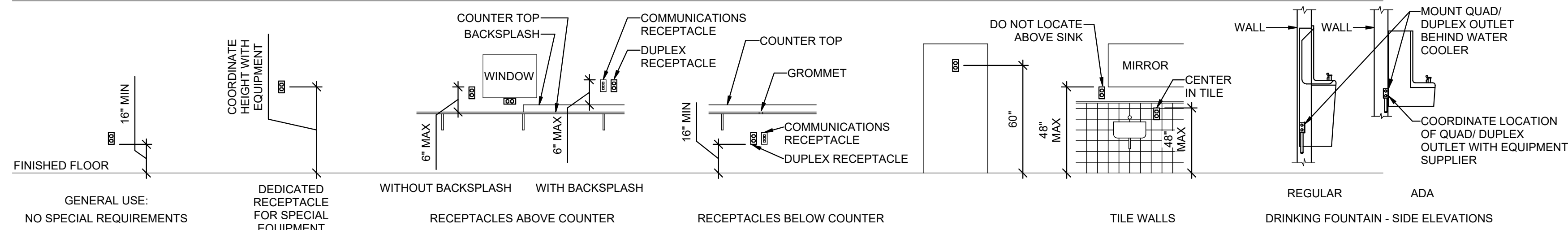
UNIVERSITY OF UTAH logo and project information: THE UNIVERSITY OF UTAH, GSLC, 295 CHIPETA WAY, SALT LAKE CITY, UT 84108. Includes sheet number 22812, date 10.30.2024, and title ELECTRICAL COVER SHEET.

EE001
Scale NTS

No	Description	Date

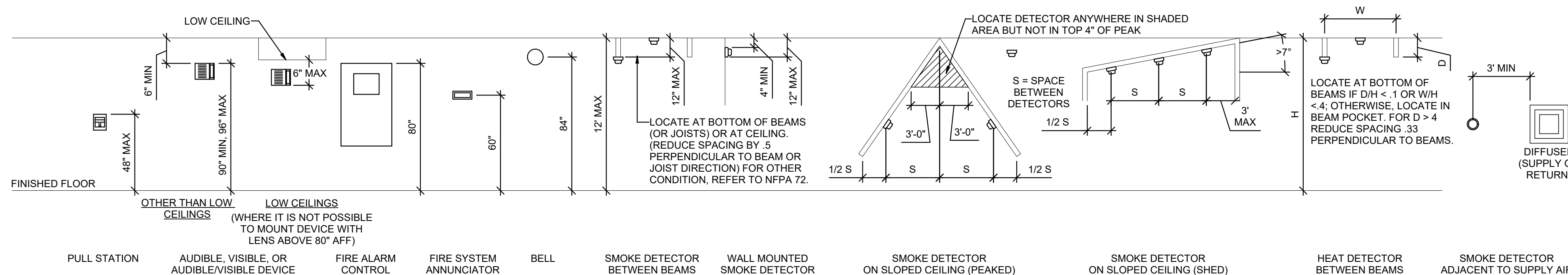
GENERAL SHEET NOTES

- MOUNTING HEIGHTS OF ELECTRICAL AND ELECTRONIC EQUIPMENT IN THE FOLLOWING ORDER OF PRIORITY:
A - ELEVATIONS (ARCHITECTURAL, ELECTRICAL, MECHANICAL, ETC).
B - EQUIPMENT SHOP DRAWINGS.
C - FIELD INSTRUCTIONS.
- LOCATE RECEPTACLES SERVING THE SAME TYPE OF USE AT A UNIFORM HEIGHT UNLESS DIRECTED OTHERWISE.
- 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.
- MOUNT RECEPTACLE BOXES FOR SWITCHES AND RECEPTACLES WITH LONG AXIS OF THE DEVICE VERTICAL UNLESS OTHERWISE INDICATED.
- SET BOXES WITH PLASTER RINGS FLUSH WITH FINISHED SURFACE.
- LOCATE BOX COVERS OR DEVICE PLATES SO THEY WILL NOT SPAN DIFFERENT TYPES OF BUILDING FINISHES EITHER VERTICALLY OR HORIZONTALLY.
- VERIFY ALL DOOR CONDITIONS ON ARCHITECTURAL DRAWINGS PRIOR TO INSTALLING SWITCHES.
- LOCATE WIRING DEVICES WHICH ARE ADJACENT AND ARE COMPATIBLE VOLTAGES IN ONE PLATE.
- 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.



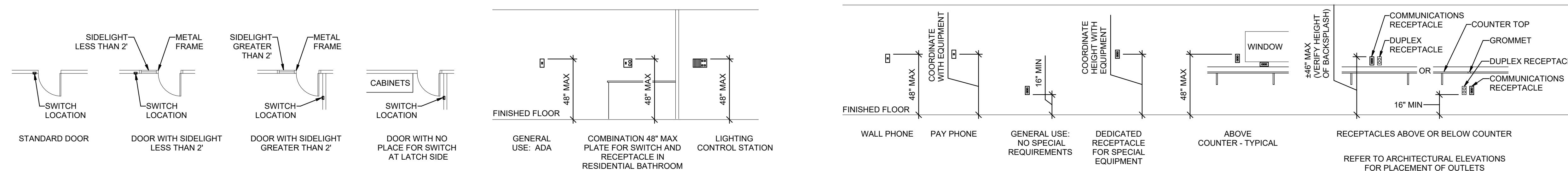
7 RECEPTACLE MOUNTING DETAILS

SCALE: NTS



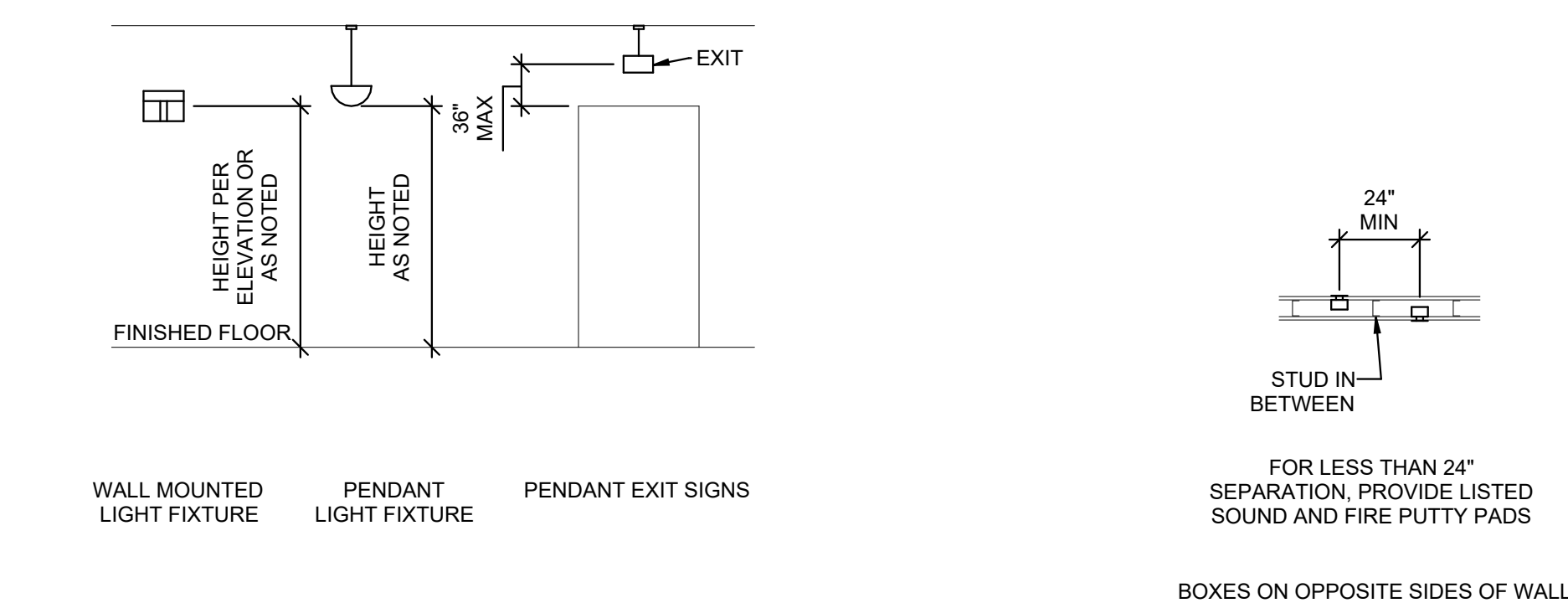
6 FIRE ALARM MOUNTING DETAILS

SCALE: NTS



4 SWITCH MOUNTING DETAILS

SCALE: NTS



1 LIGHTING MOUNTING DETAILS

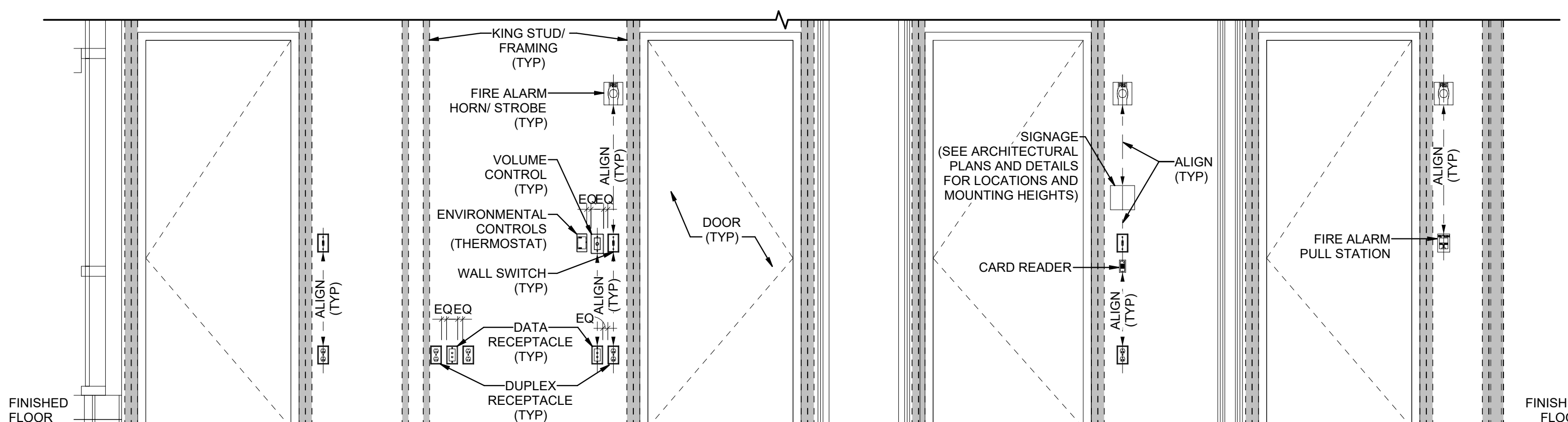
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2 BOX MOUNTING DETAILS

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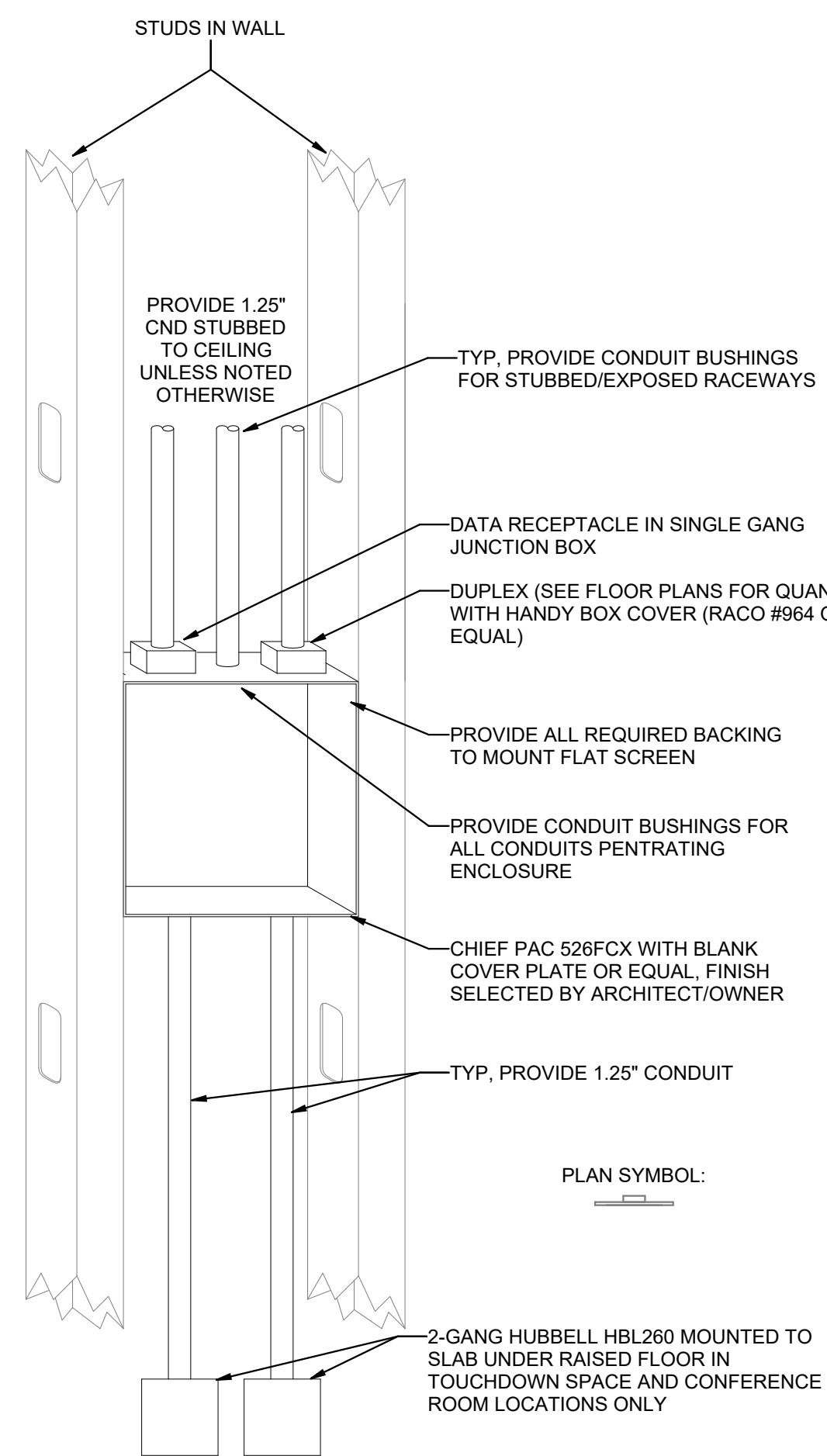
5 COMMUNICATIONS MOUNTING DETAILS

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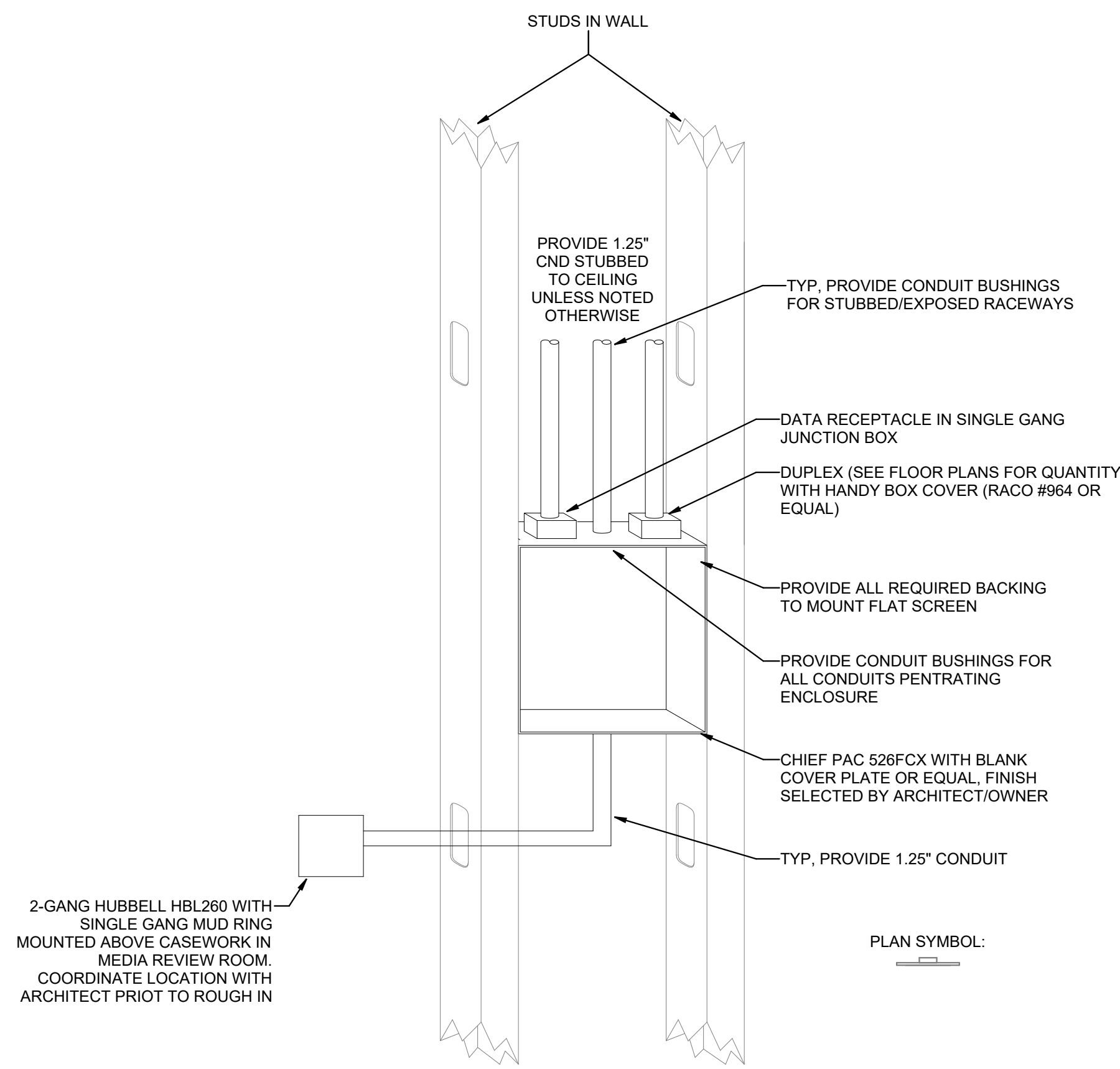


5 TYPICAL WALL MOUNTED DEVICES ALIGNMENT DETAIL

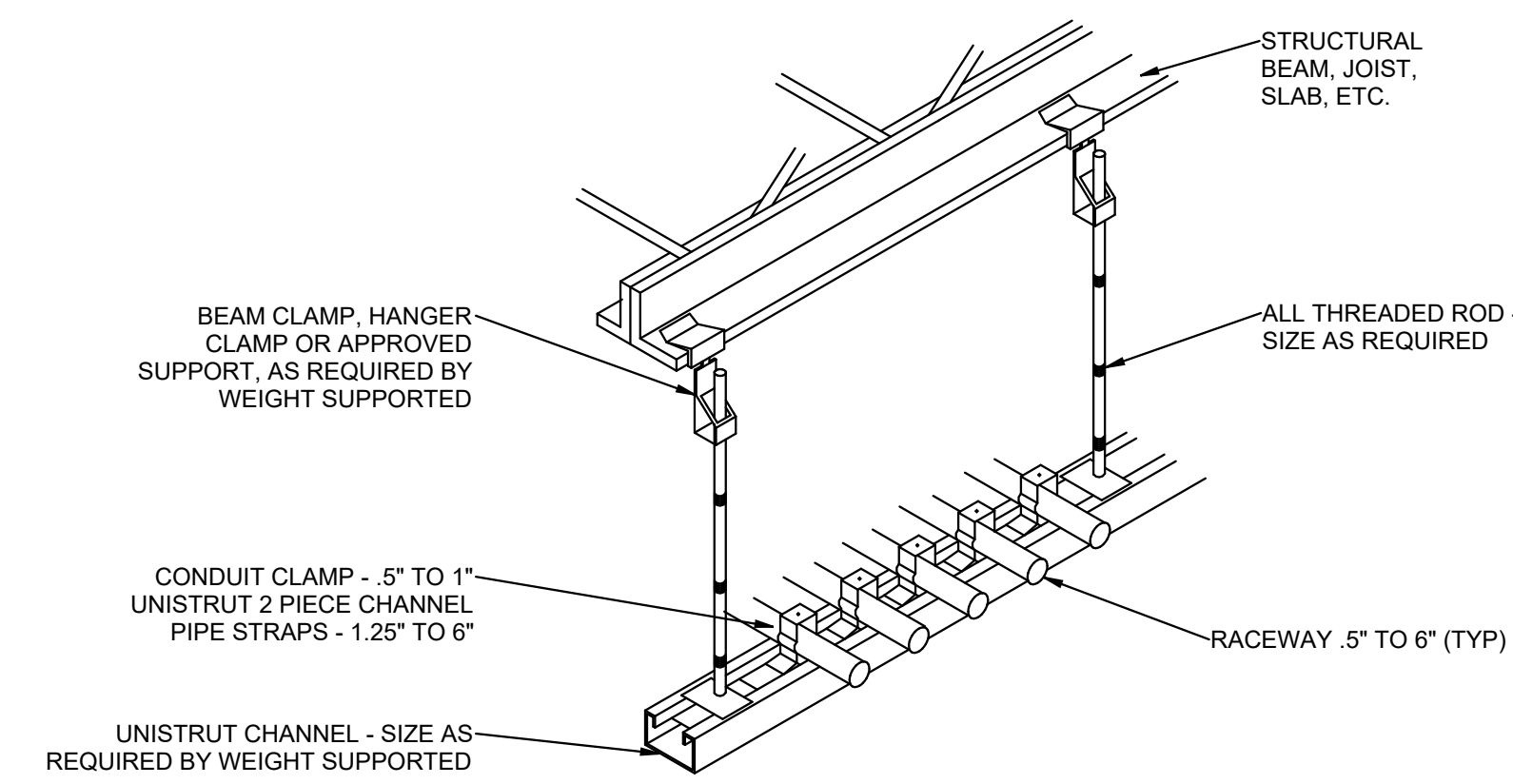
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6 TYPICAL FLAT PANEL RECEPTACLE ROUGH-IN DETAIL.1
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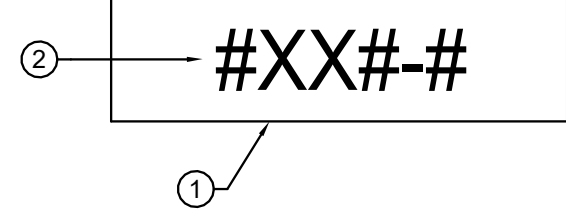


7 TYPICAL FLAT PANEL RECEPTACLE ROUGH-IN DETAIL.2
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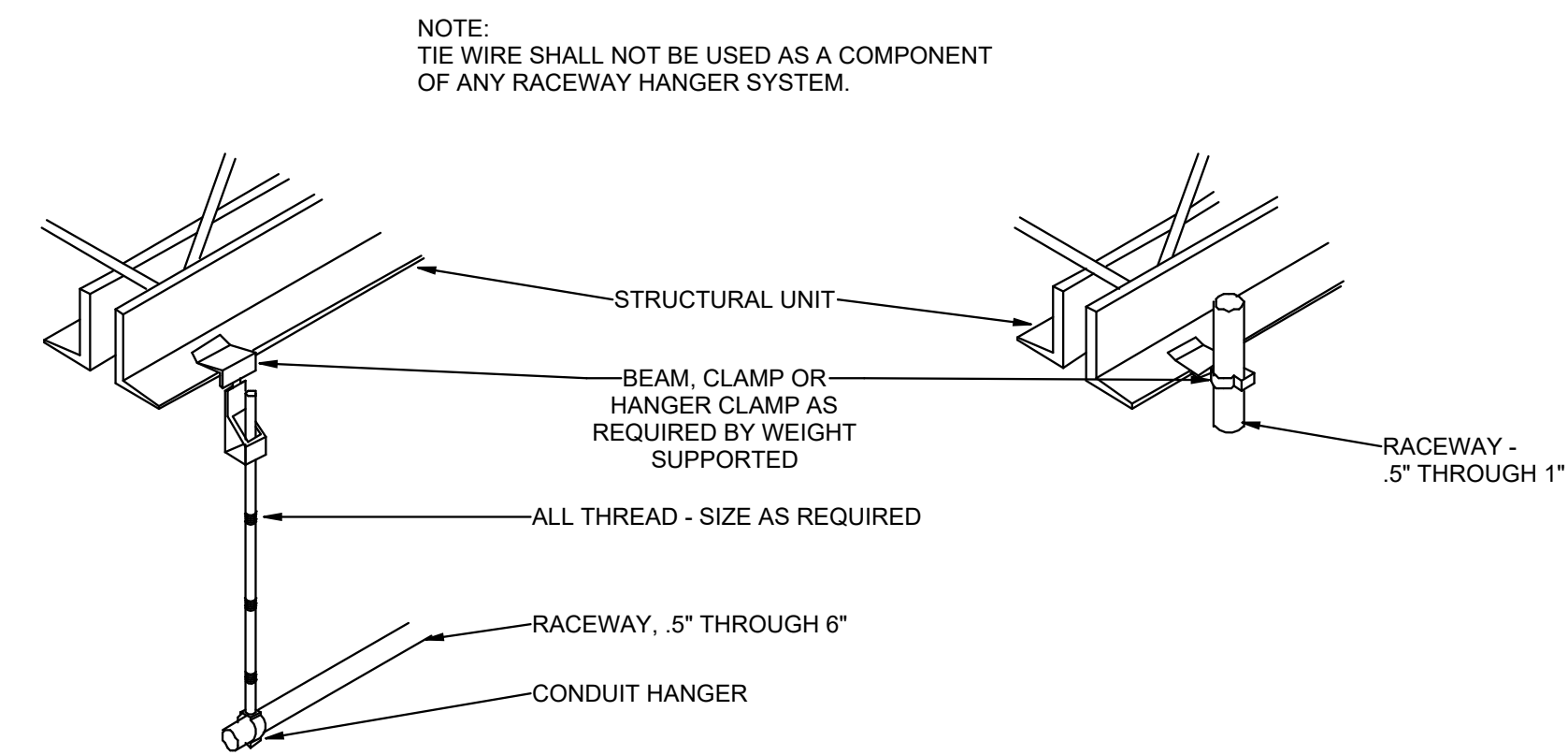


3 TYPICAL CONDUIT RACK DETAIL
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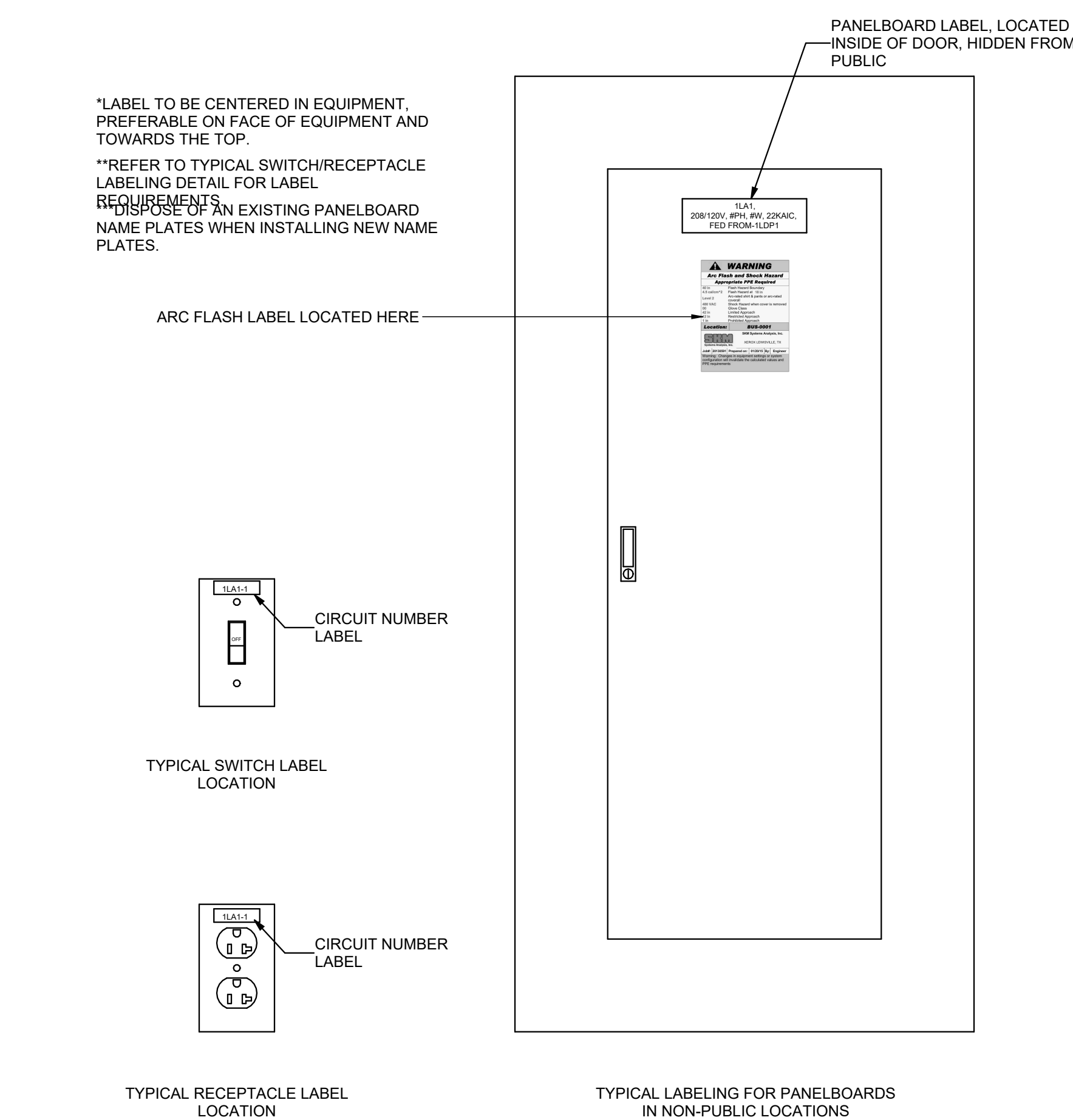
- 1 SWITCH AND RECEPTACLE LABEL TO BE PROVIDED AT EACH SWITCH OR RECEPTACLE. LABEL IS TO BE 1.5\"/>



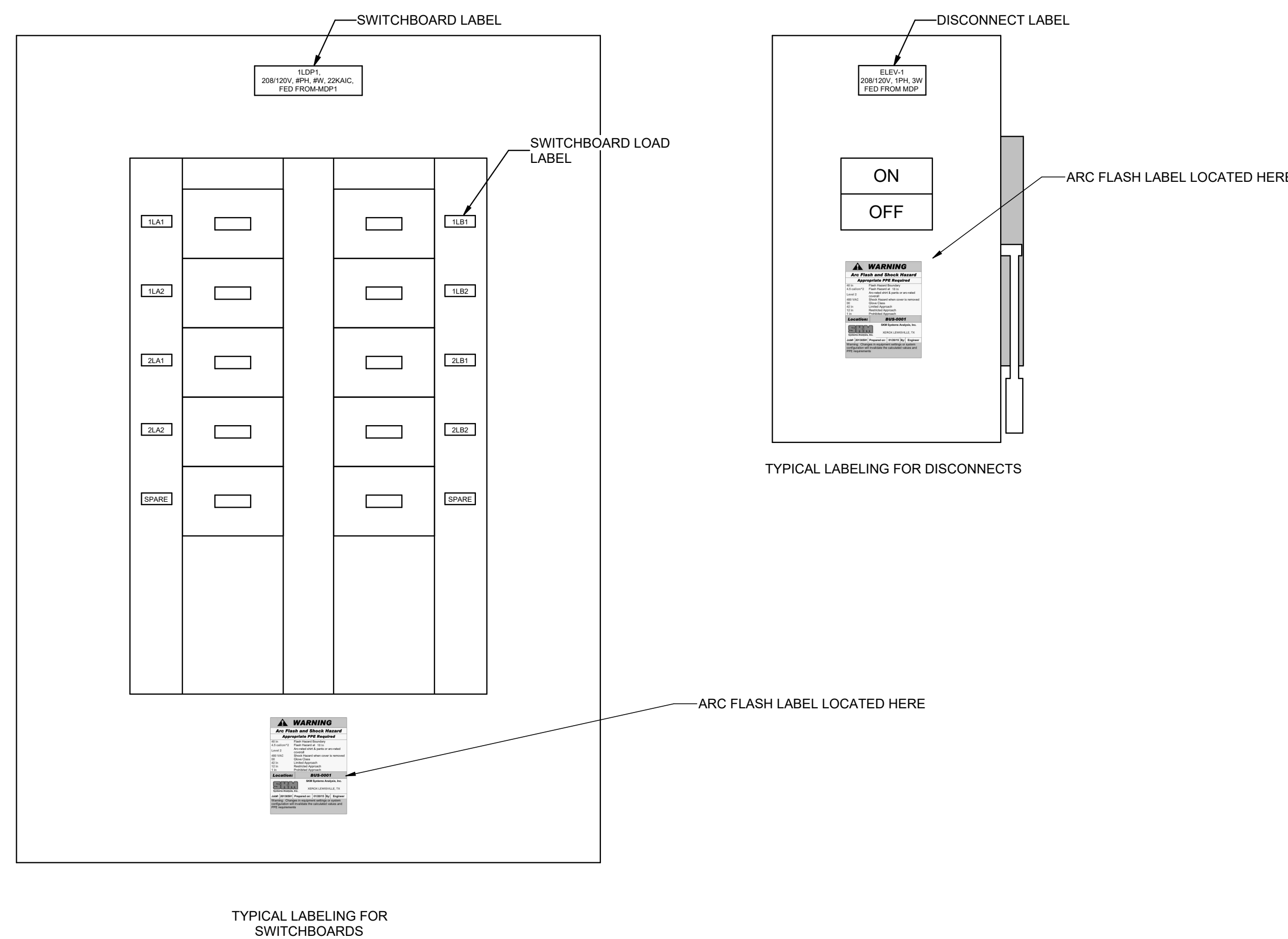
4 TYPICAL SWITCH/RECEPTACLE LABEL
SCALE: NTS



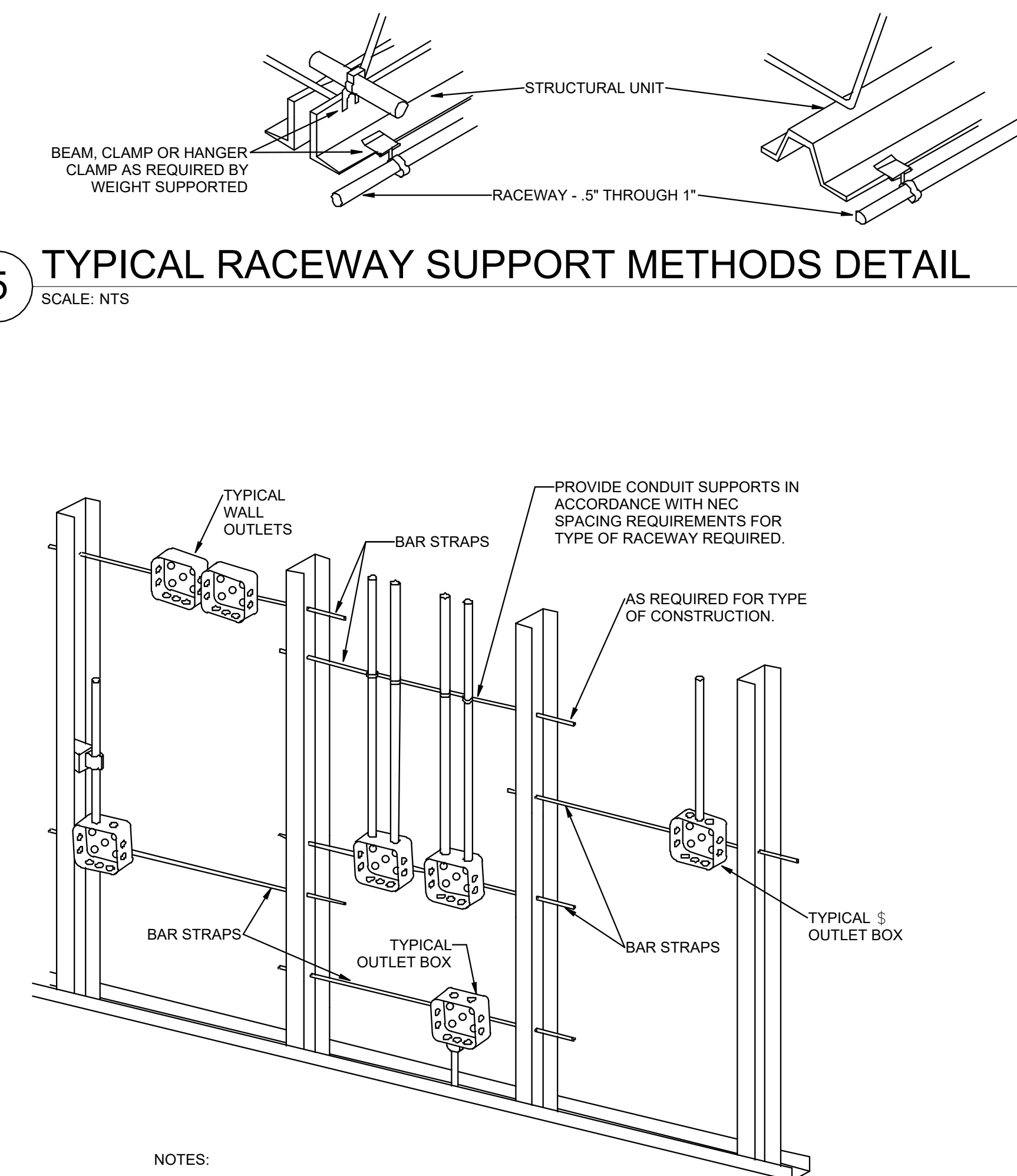
5 TYPICAL RACEWAY SUPPORT METHODS DETAIL
SCALE: NTS



1 TYPICAL SWITCH, RECEPTACLE AND PANELBOARD/SWITCHBOARD LABELING LOCATION DETAIL
SCALE: NTS



2 TYPICAL ROUGH-IN REQUIREMENTS 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\"/>

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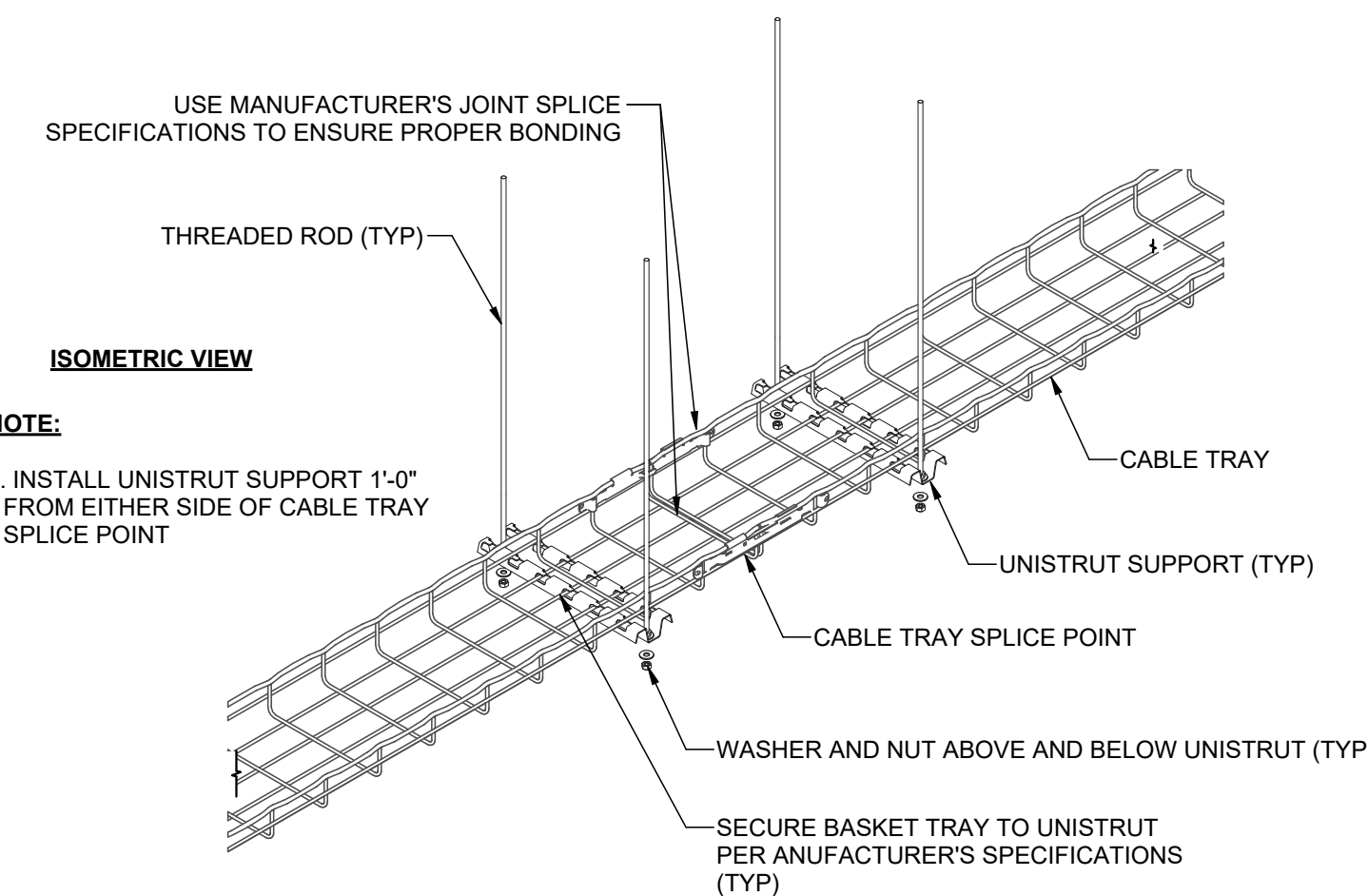


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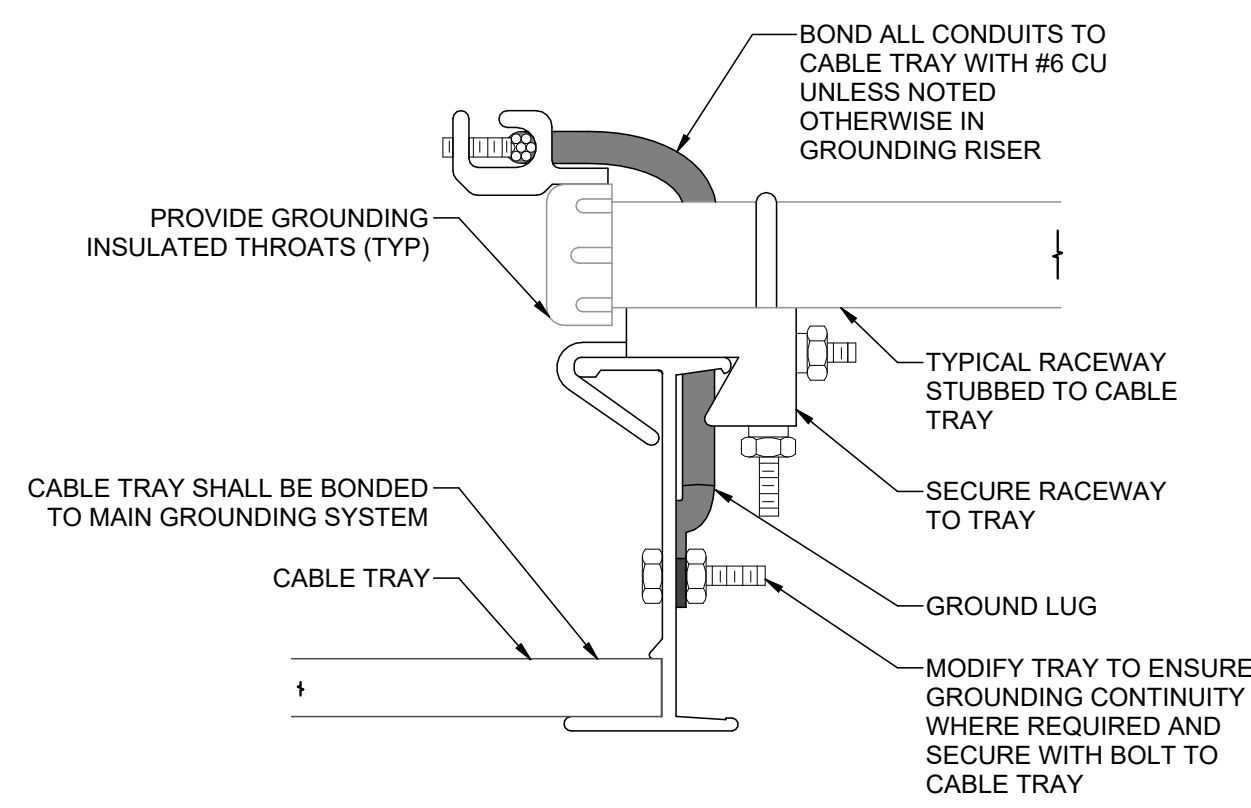
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TELECOM CABLE TRAY DETAILS

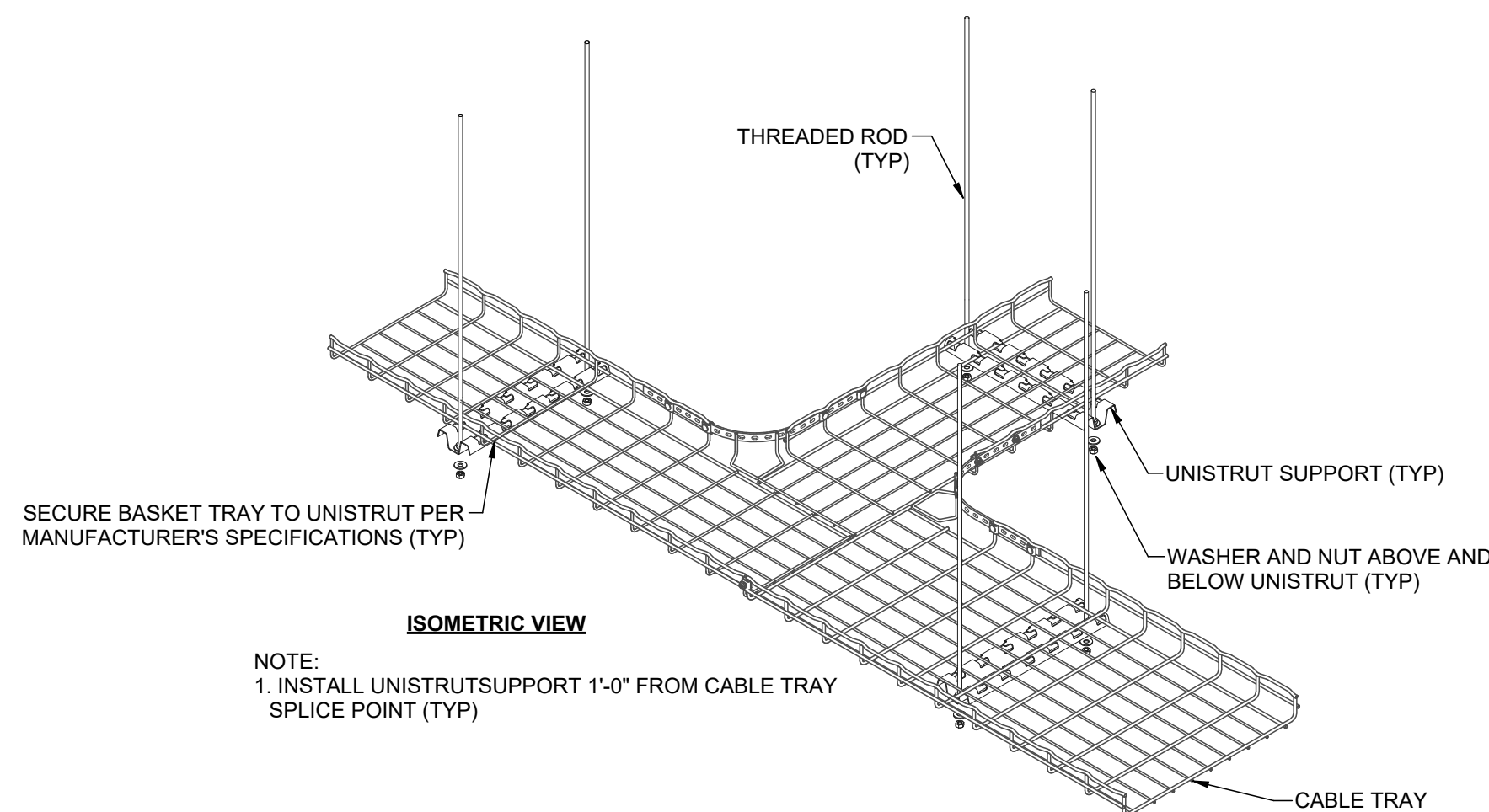
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Scale NTS



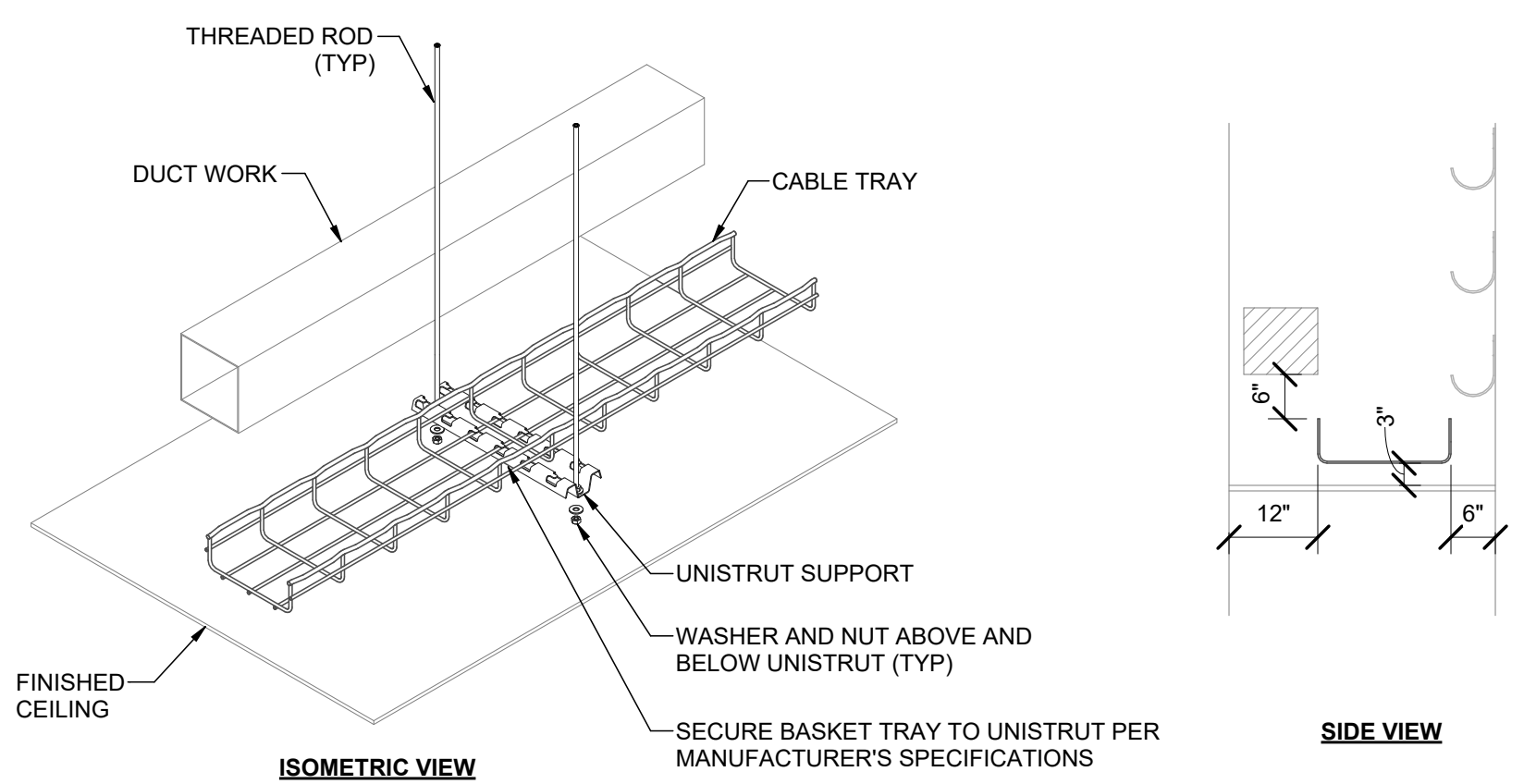
7 TYPICAL CABLE TRAY W/ SUPPORT AT SPLICE POINT DETAIL
SCALE: NTS



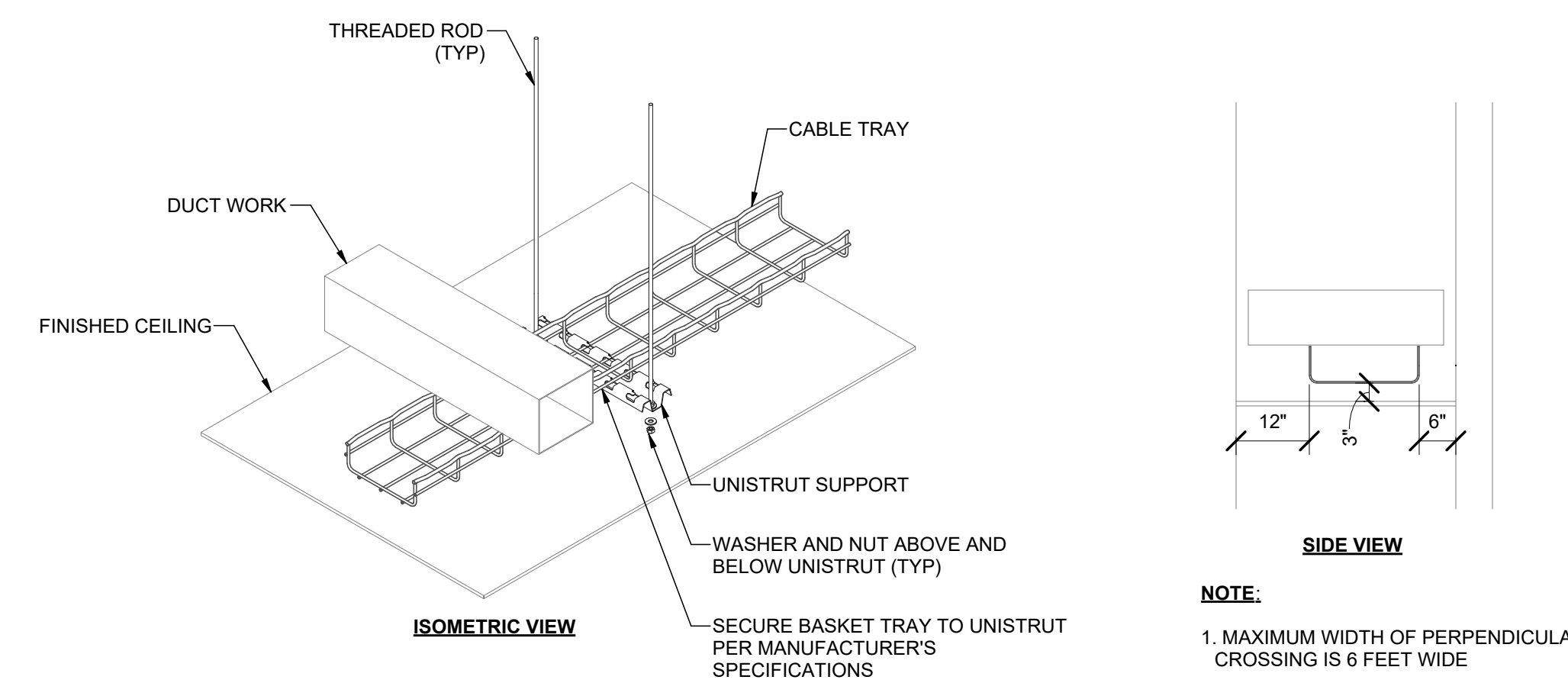
8 TYPICAL CONDUIT TO CABLE TRAY ADAPTER W/ GROUNDING DETAIL
SCALE: NTS



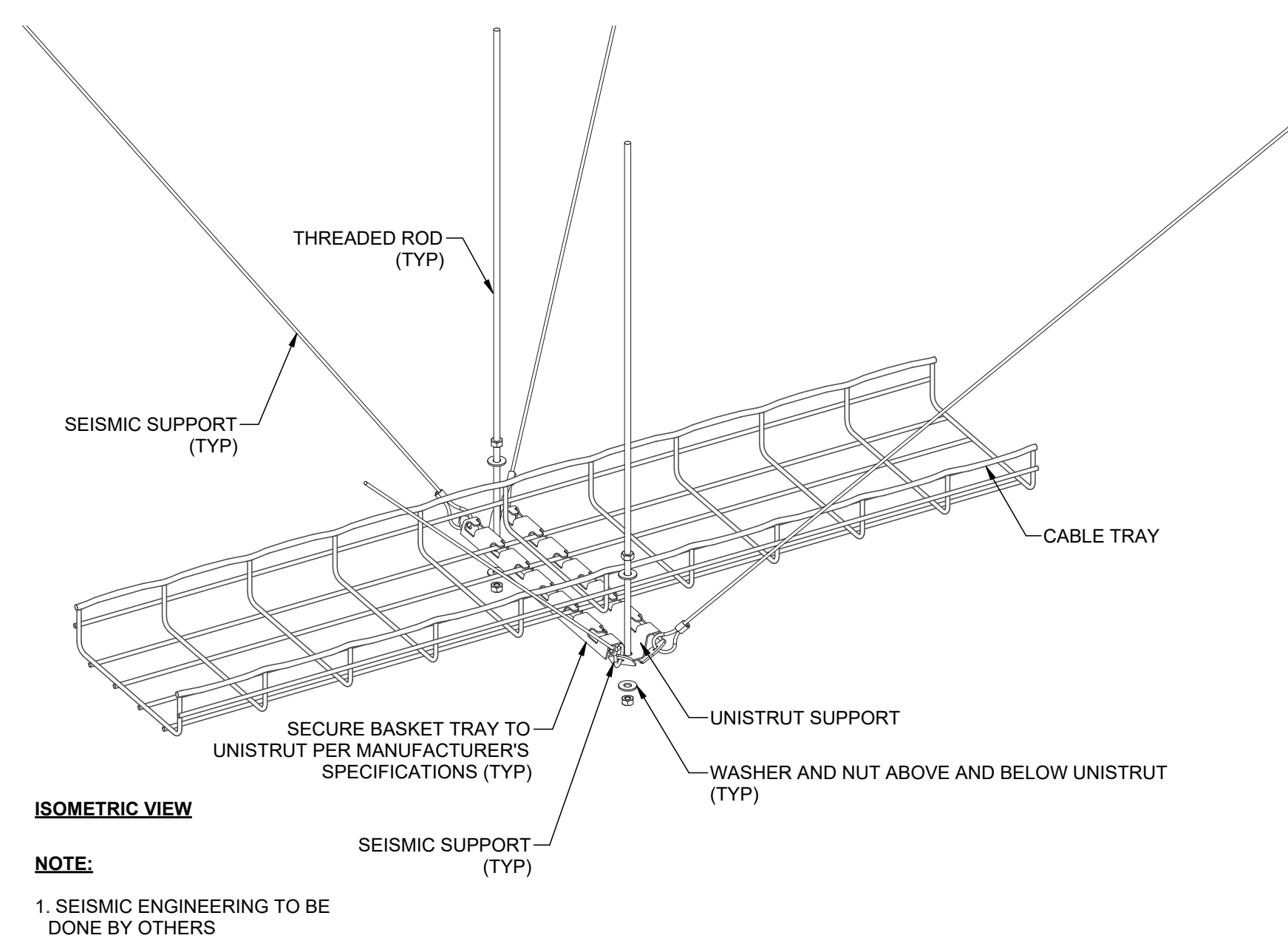
4 TYPICAL CABLE TRAY INTERSECTION W/ SUPPORTS DETAIL
SCALE: NTS



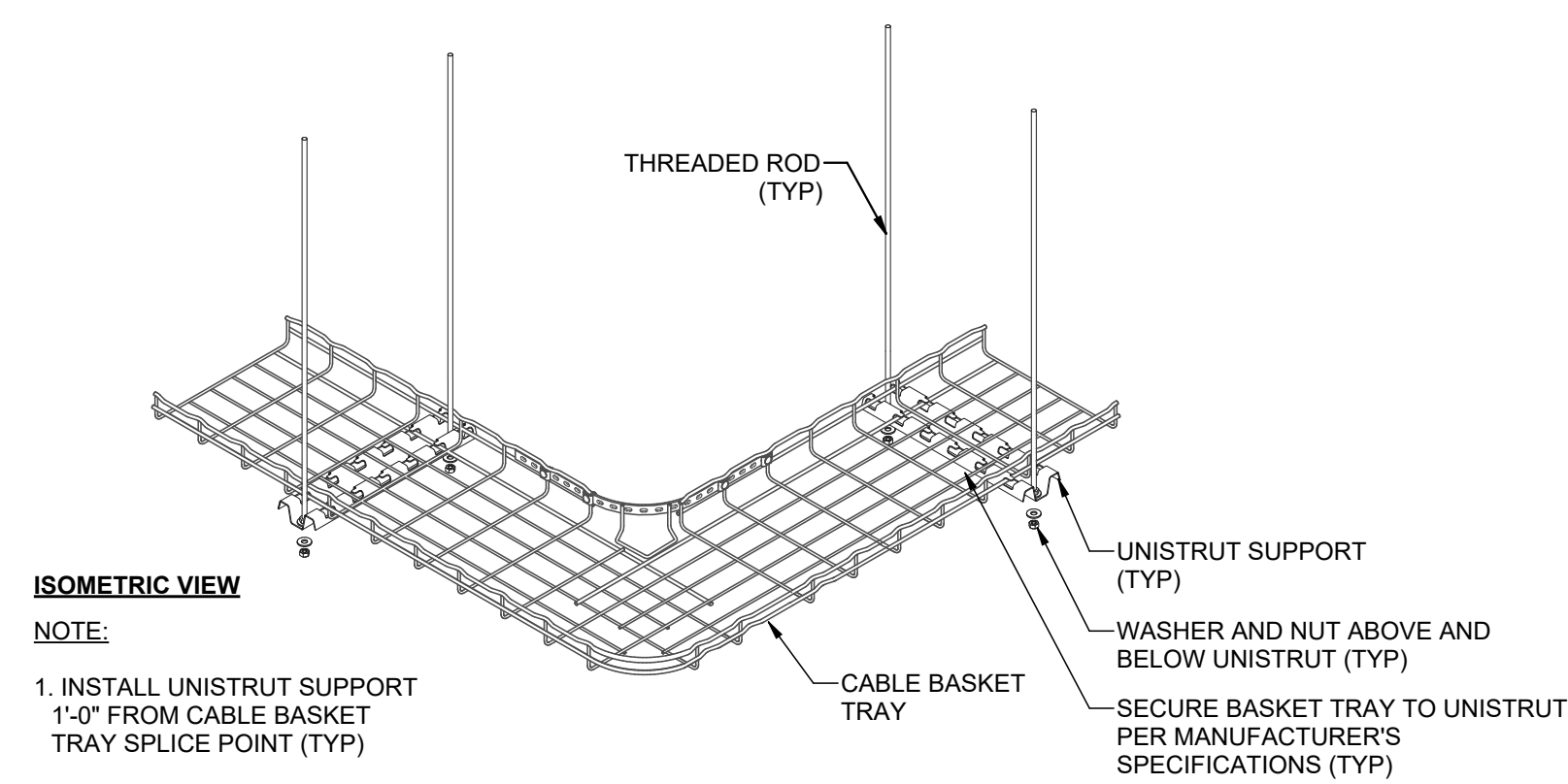
5 TYPICAL CABLE TRAY W/ PARALLEL OBSTRUCTION DETAIL
SCALE: NTS



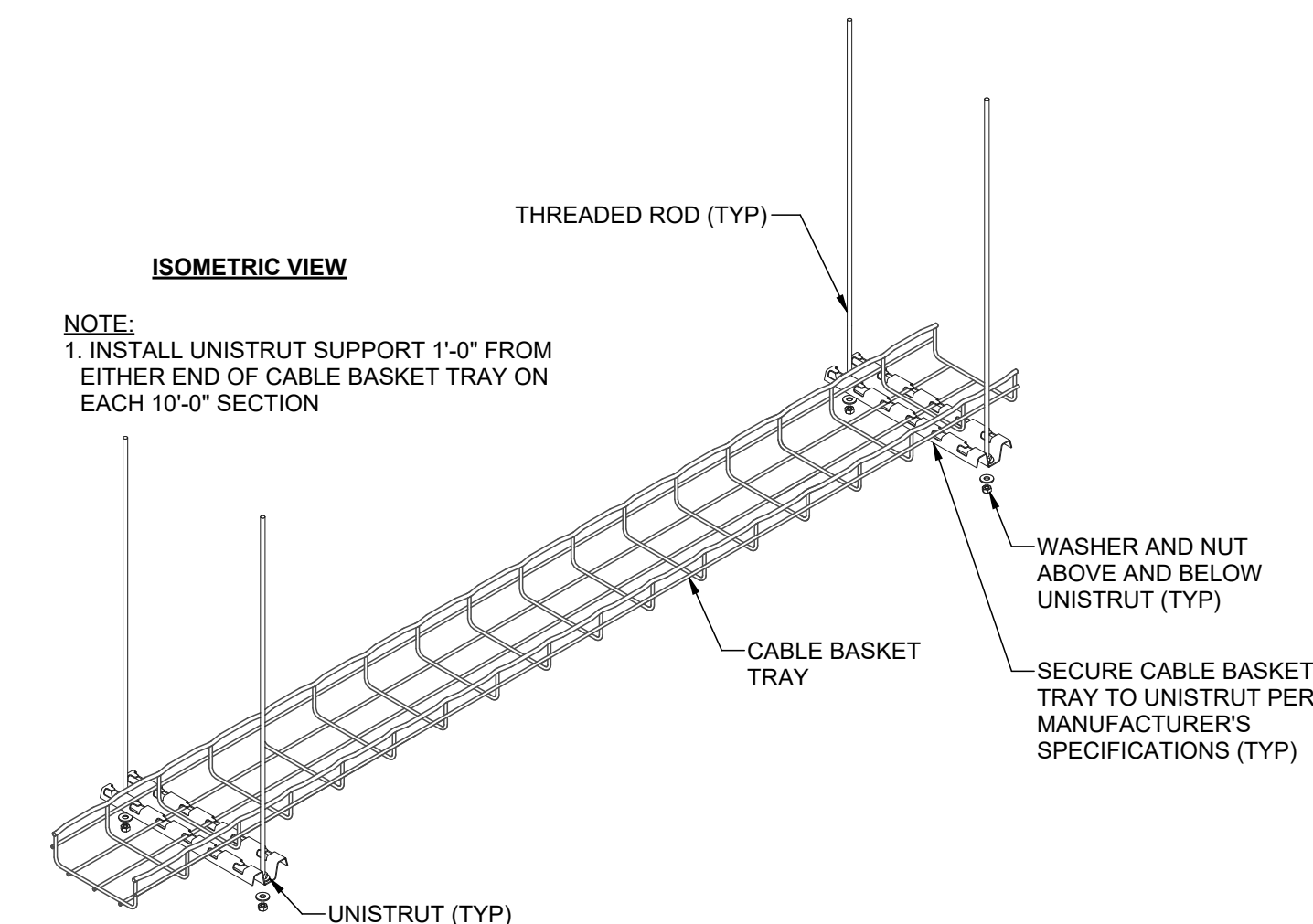
6 TYPICAL CABLE TRAY W/ PERPENDICULAR CROSSING DETAIL
SCALE: NTS



1 TYPICAL CABLE TRAY W/ SEISMIC SUPPORTS DETAIL
SCALE: NTS



2 TYPICAL CABLE TRAY 90 DEGREE BEND W/ SUPPORTS DETAIL
SCALE: NTS



3 TYPICAL 10'-0" CABLE TRAY SECTION W/ SUPPORT DETAIL
SCALE: NTS

SHEET KEYNOTES

- 1 DEMOLISH EXISTING ELECTRICAL DEVICE AND CIRCUIT BACK TO SOURCE OR NEAREST DEVICE THAT IS TO REMAIN ON CIRCUIT. WHERE EXISTING LOADS ON CIRCUIT ARE TO REMAIN CONTRACTOR SHALL INTERCEPT CIRCUIT AND EXTEND AS REQUIRED. MOST DEVICES ARE LOCATED IN RAISED FLOOR.
- 2 COORDINATE WITH UIT TO DEMOLISH/REMOVE WIRELESS ACCESS/DATA PORT AND DATA CABLING. CONTRACTOR TO DEMOLISH RACEWAY BACK TO SOURCE. MOST DATA CABLING IS LOCATED IN RAISED FLOOR.
- 3 CONTRACTOR TO PROTECT AND MAINTAIN EXISTING EQUIPMENT UNLESS NOTED OTHERWISE.
- 4 CONTRACTOR TO PROTECT AND MAINTAIN EXISTING FIRE ALARM DEVICES.

GENERAL SHEET NOTES

- 1 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.
- 2 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.
- 3 PRIOR TO REMOVAL OF ANY ELECTRICAL EQUIPMENT OR WIRING, FIELD VERIFY THAT THE EQUIPMENT OR WIRING IS INACTIVE OR NO LONGER IN USE.
- 4 REMOVE ALL DEVICES, RACEWAYS AND WIRING FROM WALLS TO BE REMOVED. WHERE ACTIVE RACEWAYS OCCUR IN WALLS TO BE REMOVED, RE-ROUTE THE RACEWAY WITH ASSOCIATED WIRING TO KEEP THE CIRCUIT OPERATIONAL.
- 5 REMOVE ALL FIRE ALARM DEVICES AND ASSOCIATED CONDUIT AND WIRING WHERE EXISTING WALLS AND CEILINGS ARE BEING REMOVED. 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.
- 6 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.
- 7 REFER TO ARCHITECTURAL DRAWINGS FOR REMOVAL OF MOTORS, CONDUIT, CONDUCTOR AND CONTROL WIRING ASSOCIATED WITH EXISTING MOTORIZED DOORS, PARTITIONS AND LIGHTING.
- 8 REMOVE FEEDERS FOR ALL DEMOLISHED PANELS, DISCONNECTS, ETC. BACK TO SOURCE.
- 9 ALL ITEMS INDICATED TO REMAIN SHALL BE PROTECTED DURING ALL PHASES OF CONSTRUCTION.
- 10 ALL HVAC UNITS TO BE REMOVED BY MECHANICAL CONTRACTOR UNLESS NOTED OTHERWISE. REMOVE ALL ASSOCIATED RACEWAYS AND CONDUCTORS BACK TO SOURCE.
- 11 UPDATE ALL PANEL SCHEDULES WITH TYPE WRITTEN SCHEDULES WHERE LOADS ARE ADJUST, REMOVED OR ADDED AS PART OF THIS PROJECT.
- 12 PATCH AND REPAIR ALL WALLS, FLOORS AND CEILINGS THAT ARE TO REMAIN WHERE THEY ARE DAMAGED FOR TO COMPLETE THE ELECTRICAL SCOPE.

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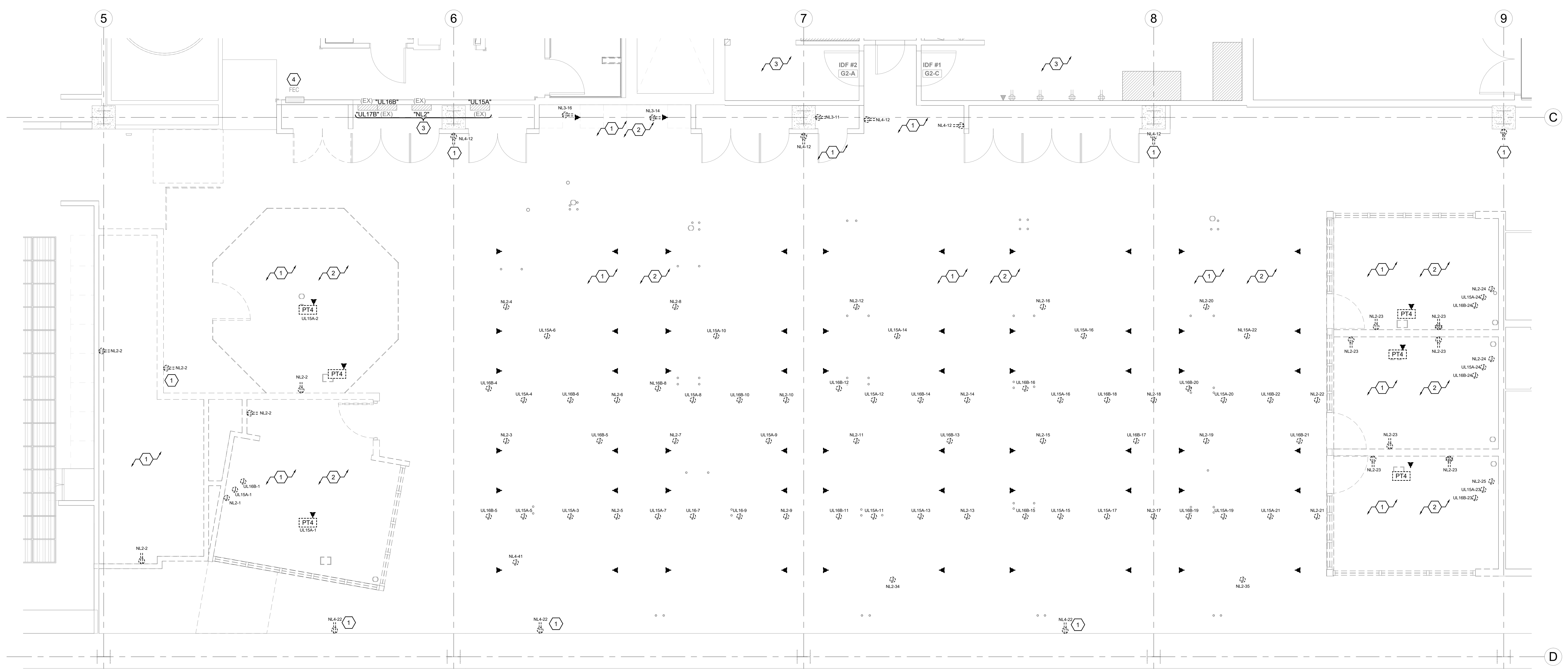


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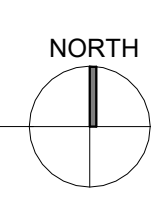
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**FOURTH FLOOR
ELECTRICAL
DEMOLITION
PLAN**

ED101
Scale 1/4" = 1'-0"



1 FOURTH FLOOR ELECTRICAL DEMOLITION PLAN
SCALE: 1/4" = 1'-0"





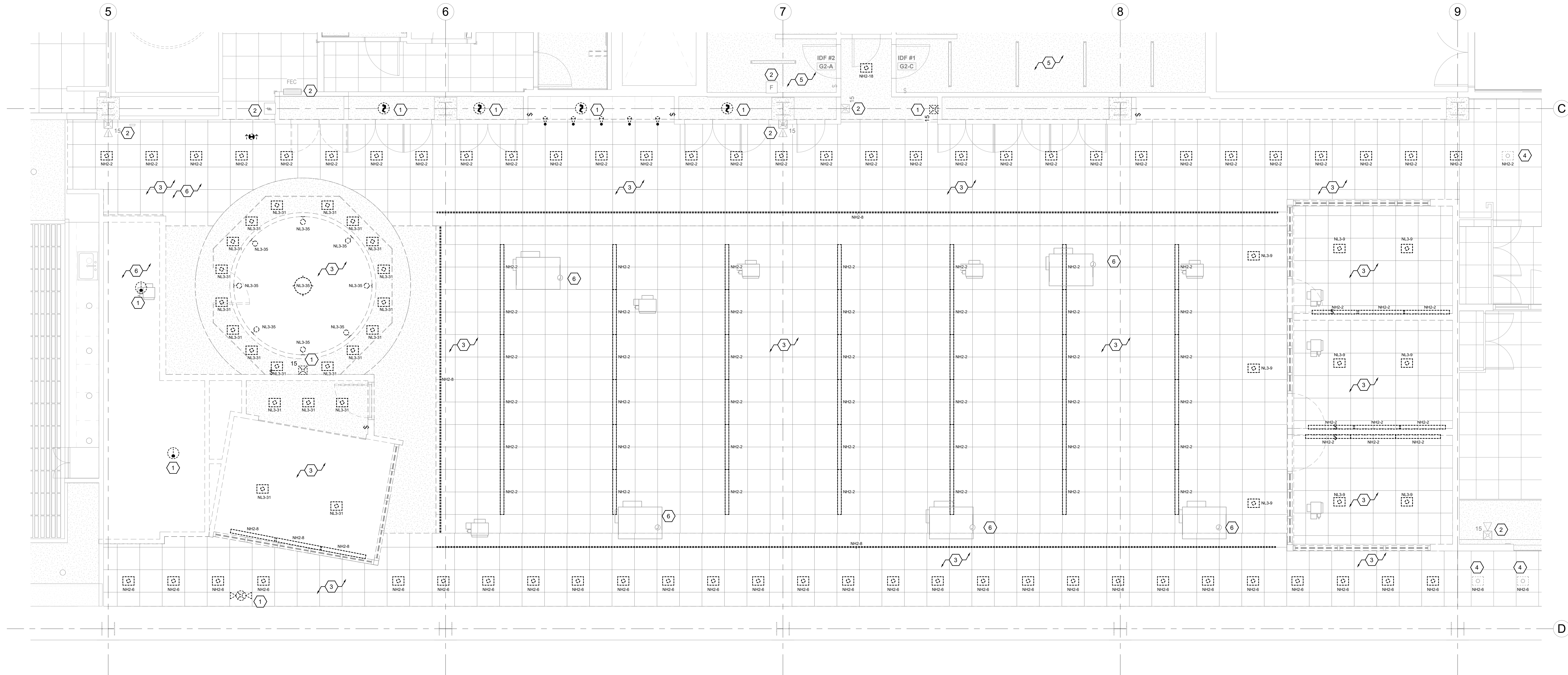
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SHEET KEYNOTES

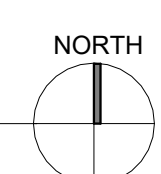
- 1 DEMOLISH EXISTING FIRE ALARM DEVICE. KEEP BUILDINGS SYSTEM UP AND RUNNING DURING CONSTRUCTION TO MAINTAIN BUILDINGS OCCUPANCY.
- 2 CONTRACTOR TO PROTECT AND MAINTAIN EXISTING FIRE ALARM DEVICES.
- 3 DEMOLISH EXISTING LIGHTING DEVICES AND ALL ASSOCIATED EQUIPMENT AND CIRCUITS BACK TO SOURCE. WHERE EXISTING DEVICES ARE TO REMAIN EXTEND CIRCUITS WHERE NEEDED TO KEEP EXISTING DEVICES ENERGIZED.
- 4 CONTRACTOR TO PROTECT AND MAINTAIN LIGHT FIXTURES OUT OF SCOPE AND TO EXTEND CONDUIT AND CABLING AS REQUIRED.
- 5 CONTRACTOR TO PROTECT AND MAINTAIN EXISTING LIGHTING FIXTURES AND CONTROLS AND KEEP ENERGIZED.
- 6 CONTRACTOR TO PROTECT AND MAINTAIN ELECTRICAL CONNECTIONS TO ALL MECHANICAL EQUIPMENT INCLUDING VAVS.

GENERAL SHEET NOTES

- 1 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.
- 2 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.
- 3 PRIOR TO REMOVAL OF ANY ELECTRICAL EQUIPMENT OR WIRING, FIELD VERIFY THAT THE EQUIPMENT OR WIRING IS INACTIVE OR NO LONGER IN USE.
- 4 REMOVE ALL DEVICES, RACEWAYS AND WIRING FROM WALLS TO BE REMOVED. WHERE ACTIVE RACEWAYS OCCUR IN WALLS TO BE REMOVED, RE-ROUTE THE RACEWAY WITH ASSOCIATED WIRING TO KEEP THE CIRCUIT OPERATIONAL.
- 5 REMOVE ALL FIRE ALARM DEVICES AND ASSOCIATED CONDUIT AND WIRING WHERE EXISTING WALLS AND CEILINGS ARE BEING REMOVED. 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.
- 6 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.
- 7 REFER TO ARCHITECTURAL DRAWINGS FOR REMOVAL OF MOTORS, CONDUIT, CONDUCTOR AND CONTROL WIRING ASSOCIATED WITH EXISTING MOTORIZED DOORS, PARTITIONS AND LIGHTING.
- 8 REMOVE FEEDERS FOR ALL DEMOLISHED PANELS, DISCONNECTS, ETC. BACK TO SOURCE
- 9 ALL ITEMS INDICATED TO REMAIN SHALL BE PROTECTED DURING ALL PHASES OF CONSTRUCTION.
- 10 ALL HVAC UNITS TO BE REMOVED BY MECHANICAL. CONTRACTOR UNLESS NOTED OTHERWISE. REMOVE ALL ASSOCIATED RACEWAYS AND CONDUCTORS BACK TO SOURCE.
- 11 UPDATE ALL PANEL SCHEDULES WITH TYPE WRITTEN SCHEDULES WHERE LOADS ARE ADJUST, REMOVED OR ADDED AS PART OF THIS PROJECT.
- 12 PATCH AND REPAIR ALL WALLS, FLOORS AND CEILINGS THAT ARE TO REMAIN WHERE THEY ARE DAMAGED FOR TO COMPLETE THE ELECTRICAL SCOPE.



1 FOURTH FLOOR CEILING DEMOLITION PLAN
SCALE: 1/4" = 1'-0"



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FOURTH FLOOR
ELECTRICAL
DEMOLITION RCP
PLAN

ED102
Scale 1/4" = 1'-0"

SHEET KEYNOTES

- CONTRACTOR TO PROVIDE FLOOR BOX COVER FRS FL-600P-PLB-BLK-C OR EQUAL. ARCHITECT TO SELECT FINISH AND FLANGING DEPTH. CONTRACTOR TO COORDINATE WITH ARCHITECT AND FURNITURE PRIOR TO INSTALLING FLOOR BOX COVER.
- CONTRACTOR TO PROVIDE EZ-PATH SERIES 33 FIRE-RATED PATHWAY. CATALOG NUMBER EZD33PWS WITH EXTENSION CATALOG NUMBER EZD33E OR EQUAL. +18" ABOVE RAISED FLOOR.
- CONTRACTOR TO INSTALL HUBBELL HBL260 OR EQUAL TO SLAB UNDER RAISED FLOOR UNDER FLOOR BOX COVER. CONTRACTOR TO COORDINATE WITH ARCHITECT AND FURNITURE PRIOR TO INSTALLING JUNCTION BOX. JUNCTION BOX IS FOR AV CONNECTION TO TV. REFER TO CALLOUT DETAIL.
- CONTRACTOR TO UPDATE PANEL SCHEDULES.
- JUNCTION BOX FOR AV CONNECTION TO TV. REFER TO CALLOUT DETAIL.

GENERAL SHEET NOTES

- UNLESS NOTED OTHERWISE, ELECTRICAL ITEMS SHOWN IN DARK AND SOLID LINES ARE NEW AND THE CONTRACTOR SHALL PROVIDE THEM. ITEMS SHOWN IN SOLID LIGHT LINES ARE TO REMAIN.
- CONTRACTOR SHALL UPDATE ALL NEW AND EXISTING PANEL SCHEDULES WITH NEW CIRCUIT DATA. SCHEDULE SHALL BE ON A CARD STOCK TYPE OF MATERIAL AND TYPED WITH THE UPDATED INFORMATION.
- PROVIDE BLANK FACEPLATES AT ALL LOCATIONS WHERE DEVICES WERE DEMOLISHED BUT RACEWAY WAS LEFT TO REMAIN AND NO NEW DEVICES ARE BEING INSTALLED AT THAT LOCATION.
- CONTRACTOR SHALL PROVIDE DEMOLITION AND PATCH AND REPAIR OF ANY WALLS, CEILINGS, FLOORS, ETC TO ROUTE RACEWAYS AND EQUIPMENT.

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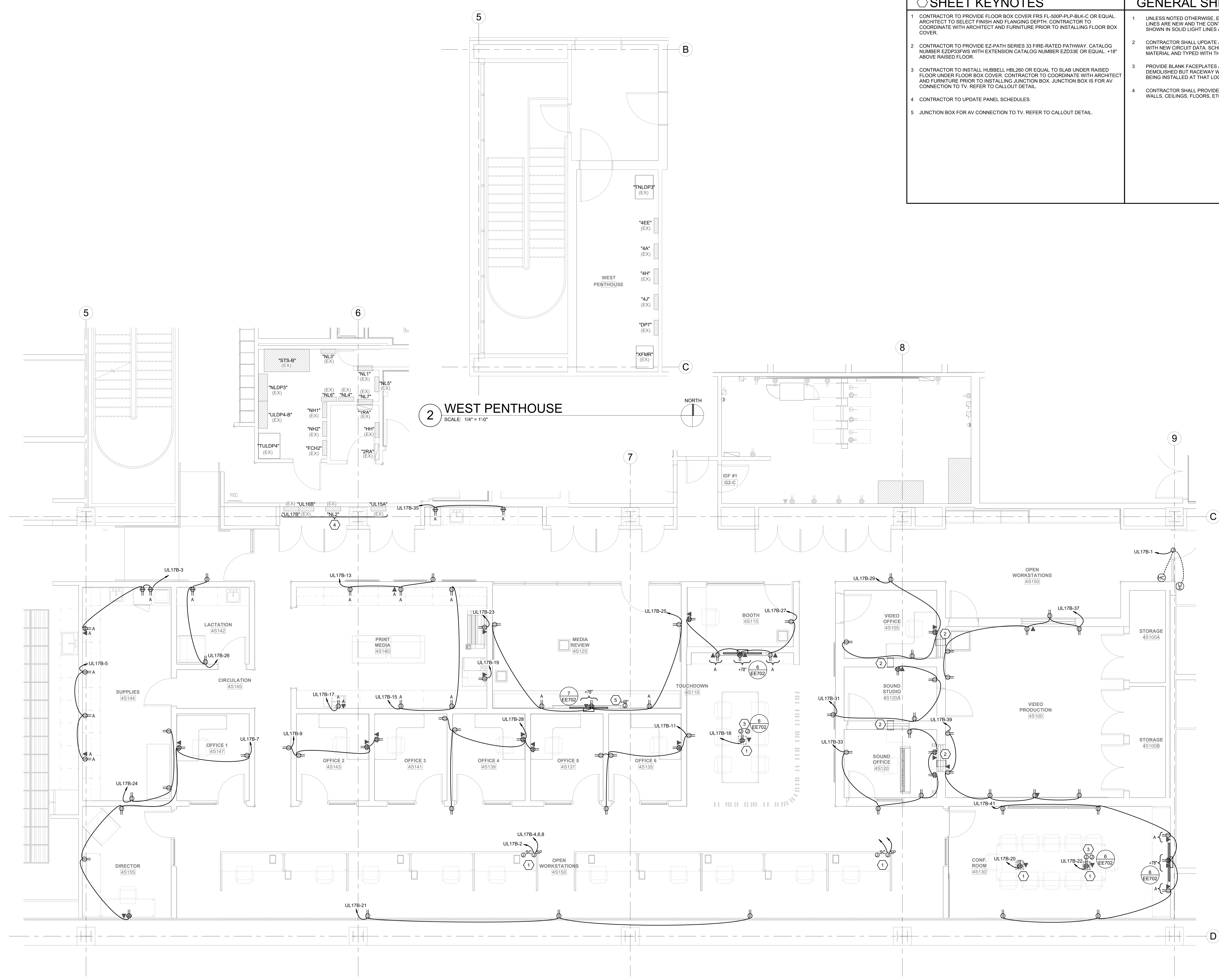


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FOURTH FLOOR
POWER PLAN

EP101
Scale 1/4" = 1'-0"



1 FOURTH FLOOR POWER PLAN
SCALE: 1/4" = 1'-0"

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SHEET KEYNOTES

1 CONTRACTOR TO PROTECT AND MAINTAIN EXISTING BASKET TRAY UNDERNEATH RAISED FLOOR.

GENERAL SHEET NOTES

- UNLESS NOTED OTHERWISE, ELECTRICAL ITEMS SHOWN IN DARK AND SOLID LINES ARE NEW AND THE CONTRACTOR SHALL PROVIDE THEM. ITEMS SHOWN IN SOLID LIGHT LINES ARE TO REMAIN.
- CONTRACTOR SHALL UPDATE ALL NEW AND EXISTING PANEL SCHEDULES WITH NEW CIRCUIT DATA. SCHEDULE SHALL BE ON A CARD STOCK TYPE OF MATERIAL AND TYPED WITH THE UPDATED INFORMATION.
- PROVIDE BLANK FACEPLATES AT ALL LOCATIONS WHERE DEVICES WERE DEMOLISHED BUT RACEWAY WAS LEFT TO REMAIN AND NO NEW DEVICES ARE BEING INSTALLED AT THAT LOCATION.
- CONTRACTOR SHALL PROVIDE DEMOLITION AND PATCH AND REPAIR OF ANY WALLS, CEILINGS, FLOORS, ETC TO ROUTE RACEWAYS AND EQUIPMENT.

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CONSTRUCTION DOCUMENTS

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No	Description	Date



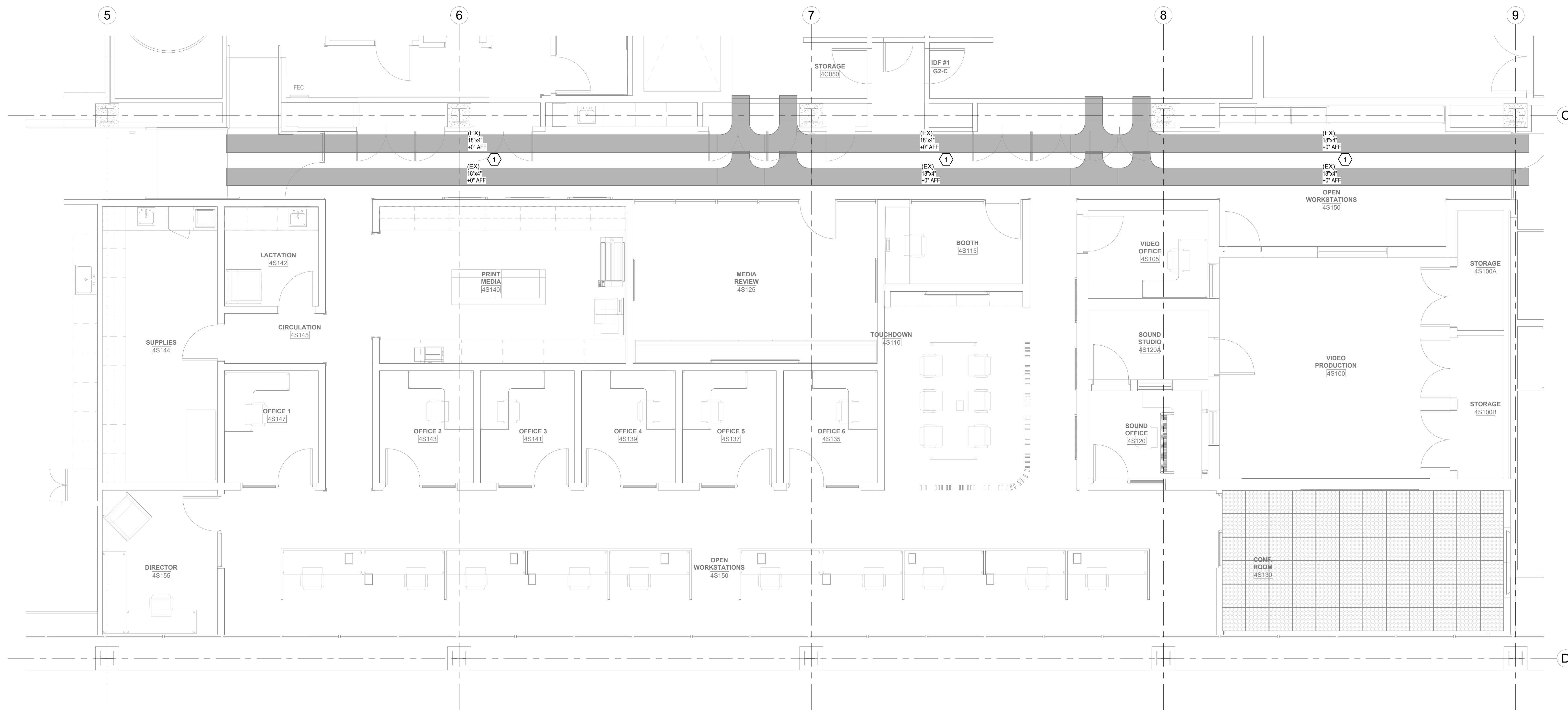
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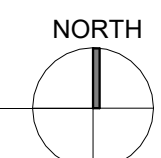
FOURTH FLOOR
UNDERFLOOR
BASKET TRAY

EP102

Scale 1/4" = 1'-0"



1 FOURTH FLOOR UNDERFLOOR BASKET TRAY PLAN
SCALE: 1/4" = 1'-0"



Autodesk Docs://UJ - Genetic Science Learning Center Remodel (240335-Elec Central.rvt
10/29/2024 9:19:34 AM

SHEET KEYNOTES

1 INTERCEPT EXISTING TRAY AND EXTEND.

GENERAL SHEET NOTES

- UNLESS NOTED OTHERWISE, ELECTRICAL ITEMS SHOWN IN DARK AND SOLID LINES ARE NEW AND THE CONTRACTOR SHALL PROVIDE THEM. ITEMS SHOWN IN SOLID LIGHT LINES ARE TO REMAIN.
- CONTRACTOR SHALL UPDATE ALL NEW AND EXISTING PANEL SCHEDULES WITH NEW CIRCUIT DATA. SCHEDULE SHALL BE ON A CARD STOCK TYPE OF MATERIAL AND TYPED WITH THE UPDATED INFORMATION.
- PROVIDE BLANK FACEPLATES AT ALL LOCATIONS WHERE DEVICES WERE DEMOLISHED BUT RACEWAY WAS LEFT TO REMAIN AND NO NEW DEVICES ARE BEING INSTALLED AT THAT LOCATION.
- CONTRACTOR SHALL PROVIDE DEMOLITION AND PATCH AND REPAIR OF ANY WALLS, CEILINGS, FLOORS, ETC TO ROUTE RACEWAYS AND EQUIPEMNT.

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CONSTRUCTION DOCUMENTS

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No	Description	Date



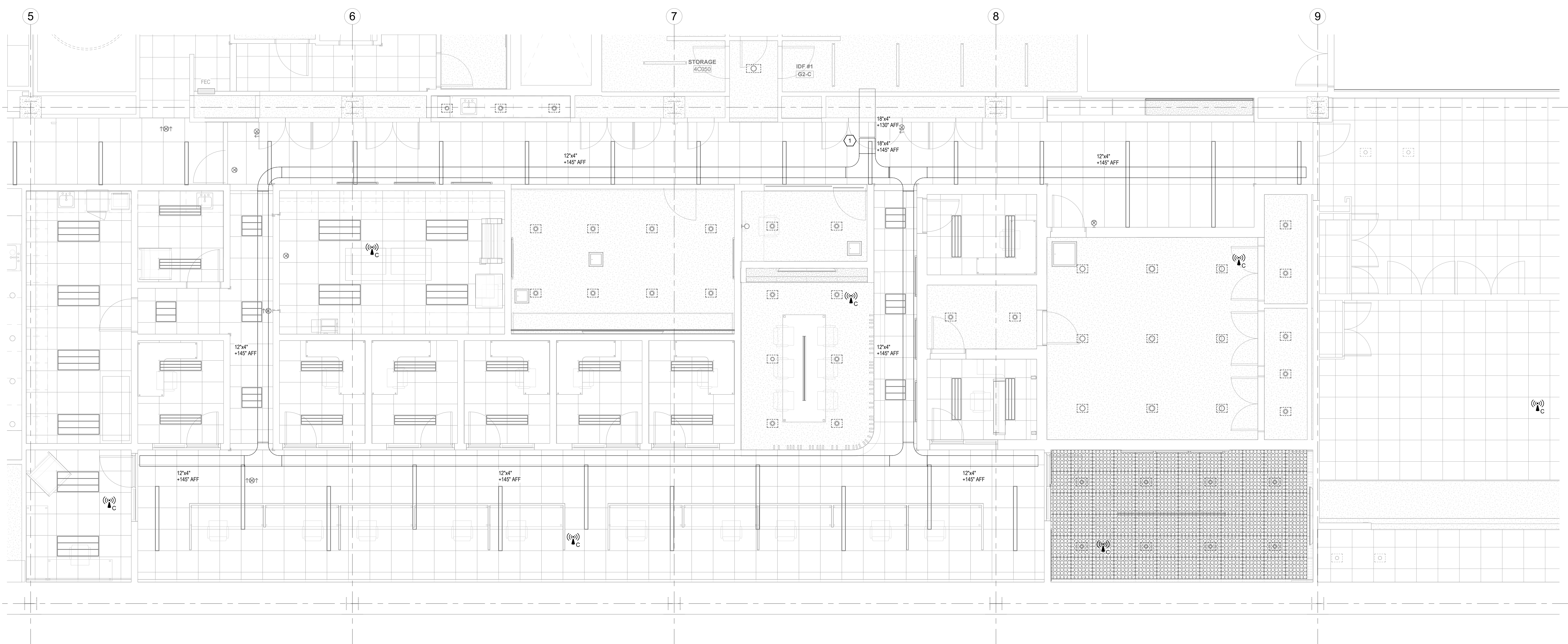
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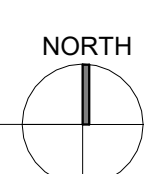
FOURTH
ELECTRICAL
REFLECTED
CEILING PLAN

EP201

Scale 1/4" = 1'-0"



1 FOURTH FLOOR BASKET TRAY PLAN
SCALE: 1/4" = 1'-0"



Autodesk Docs://UU - Genetic Science Learning Center Remodel (240335-Elec Central.rvt
10/29/2024 9:19:38 AM

(EX) PANEL: "UL17B"
VOLTS/PHASEWIRE: 120/208V, 3 PH 4 WIRE
PANEL SIZE & TYPE: 22" W x 6" D, BOLT-ON
MAIN SIZE AND TYPE: 250 AMPERE MAIN LUGS
FED FROM: CABINET: SURFACE
LOCATION: NOTES:
ACCESSORIES: PANEL DIRECTORY, IDENTIFICATION, GROUNDING BAR
AIC RATING: 22,000
Table with columns for CKT, NO, AMP, POLE, BKR, LGT, PWR, CO, PHASE LOAD (A, B, C), DESCRIPTION, LOAD (kVA), CO, PWR, LGT, BKR, POLE, AMP, NO.

CONNECTED kVA PER PHASE 6 9 6 CONNECTED TOTAL kVA = 21
CONNECTED AMP'S PER PHASE 54 72 48 AVERAGE CONNECTED AMP'S PER PHASE = 58

NEC DIVERSIFIED LOAD CALCULATIONS
LIGHTING & CONTINUOUS LOADS: 19.1 kVA @ 76% = 14.5 kVA
RECEPTACLES: 19.1 kVA @ 76% = 14.5 kVA
MOTOR TOTALS INCLUDED IN ALL OTHER LOADS WITH LARGEST MOTOR CALCULATED @ 125% PER NEC

100% CONNECTED LOAD PLUS 25%
FIRST 10kVA @ 100%, REMAINDER @ 50%
MOTOR TOTALS INCLUDED IN ALL OTHER LOADS WITH LARGEST MOTOR CALCULATED @ 125% PER NEC
DIVERSIFIED TOTAL kVA = 16
AVERAGE AMP'S PER PHASE = 45

BKR: GF=GFCL, GF3=30mA GFCL CAPABLE OF BEING LOCKED OUT IN OPEN POSITION, IG=ISOLATED GROUND, AF=AFCL, ST=SHUNT TRIP, RED=PROVIDE RED COLORED BREAKER, AF=ARC FAULT CURRENT INTERRUPTER, GA=COMBINATION OF GROUND FAULT AND ARC FAULT CIRCUIT INTERRUPTER, GS=COMBINATION OF SHUNT TRIP WITH GFCL, EB=EXISTING BREAKER, NB=NEW BREAKER

(EX) PANEL: "NH2"
VOLTS/PHASEWIRE: 480/277 V, 3 PH 4 WIRE
PANEL SIZE & TYPE: 22" W x 6" D, BOLT-ON
MAIN SIZE AND TYPE: 125 AMPERE MAIN LUGS
FED FROM: CABINET: SURFACE
LOCATION: NOTES:
ACCESSORIES: PANEL DIRECTORY, IDENTIFICATION, GROUNDING BAR
AIC RATING: 22,000
Table with columns for CKT, NO, AMP, POLE, BKR, LGT, PWR, CO, PHASE LOAD (A, B, C), DESCRIPTION, LOAD (kVA), CO, PWR, LGT, BKR, POLE, AMP, NO.

CONNECTED kVA PER PHASE 0 0 3 CONNECTED TOTAL kVA = 3
CONNECTED AMP'S PER PHASE 0 0 3 AVERAGE CONNECTED AMP'S PER PHASE = 4

NEC DIVERSIFIED LOAD CALCULATIONS
LIGHTING & CONTINUOUS LOADS: 3.0 kVA @ 125% = 3.8 kVA
RECEPTACLES: 3.0 kVA @ 125% = 3.8 kVA
MOTOR TOTALS INCLUDED IN ALL OTHER LOADS WITH LARGEST MOTOR CALCULATED @ 125% PER NEC

100% CONNECTED LOAD PLUS 25%
FIRST 10kVA @ 100%, REMAINDER @ 50%
MOTOR TOTALS INCLUDED IN ALL OTHER LOADS WITH LARGEST MOTOR CALCULATED @ 125% PER NEC
DIVERSIFIED TOTAL kVA = 4
AVERAGE AMP'S PER PHASE = 5

BKR: GF=GFCL, GF3=30mA GFCL CAPABLE OF BEING LOCKED OUT IN OPEN POSITION, IG=ISOLATED GROUND, AF=AFCL, ST=SHUNT TRIP, RED=PROVIDE RED COLORED BREAKER, AF=ARC FAULT CURRENT INTERRUPTER, GA=COMBINATION OF GROUND FAULT AND ARC FAULT CIRCUIT INTERRUPTER, GS=COMBINATION OF SHUNT TRIP WITH GFCL, EB=EXISTING BREAKER

(EX) PANEL: "4EE"
VOLTS/PHASEWIRE: 480/277 V, 3 PH 4 WIRE
PANEL SIZE & TYPE: 22" W x 6" D, BOLT-ON
MAIN SIZE AND TYPE: 100 AMPERE MAIN LUGS
FED FROM: CABINET: SURFACE
LOCATION: NOTES:
ACCESSORIES: PANEL DIRECTORY, IDENTIFICATION, GROUNDING BAR
AIC RATING: 18,000
Table with columns for CKT, NO, AMP, POLE, BKR, LGT, PWR, CO, PHASE LOAD (A, B, C), DESCRIPTION, LOAD (kVA), CO, PWR, LGT, BKR, POLE, AMP, NO.

CONNECTED kVA PER PHASE 1 0 0 CONNECTED TOTAL kVA = 1
CONNECTED AMP'S PER PHASE 2 0 0 AVERAGE CONNECTED AMP'S PER PHASE = 1

NEC DIVERSIFIED LOAD CALCULATIONS
LIGHTING & CONTINUOUS LOADS: 0.6 kVA @ 125% = 0.7 kVA
RECEPTACLES: 0.6 kVA @ 125% = 0.7 kVA
MOTOR TOTALS INCLUDED IN ALL OTHER LOADS WITH LARGEST MOTOR CALCULATED @ 125% PER NEC

100% CONNECTED LOAD PLUS 25%
FIRST 10kVA @ 100%, REMAINDER @ 50%
MOTOR TOTALS INCLUDED IN ALL OTHER LOADS WITH LARGEST MOTOR CALCULATED @ 125% PER NEC
DIVERSIFIED TOTAL kVA = 1
AVERAGE AMP'S PER PHASE = 1

BKR: GF=GFCL, GF3=30mA GFCL CAPABLE OF BEING LOCKED OUT IN OPEN POSITION, IG=ISOLATED GROUND, AF=AFCL, ST=SHUNT TRIP, RED=PROVIDE RED COLORED BREAKER, AF=ARC FAULT CURRENT INTERRUPTER, GA=COMBINATION OF GROUND FAULT AND ARC FAULT CIRCUIT INTERRUPTER, GS=COMBINATION OF SHUNT TRIP WITH GFCL, NB=NEW BREAKER

GENERAL SHEET NOTES

- 1. PROVIDE NEMA 3R ENCLOSURES FOR EQUIPMENT LOCATED OUTDOORS. REFER TO PLANS FOR EQUIPMENT LOCATIONS.
2. REFER TO PLANS FOR CONSTRAINTS ON PHYSICAL DIMENSIONS AND CLEARANCE REQUIREMENTS OF EQUIPMENT. PROVIDE EQUIPMENT DIMENSIONS THAT FALL WITHIN THE CONSTRAINTS OF EACH SPECIFIC LOCATION.
3. ALL EQUIPMENT SHALL BE CONSTRUCTED AND BRACED FOR THE SEISMIC CONDITIONS OF THE PROJECT. REFER TO ELECTRICAL SPECIFICATIONS FOR REQUIREMENTS.
4. PROVIDE PERFORMANCE TESTING FOR GROUND-FAULT PROTECTION SYSTEMS ON SITE WITH A WRITTEN RECORD OF THIS TEST SUBMITTED TO THE AUTHORITY HAVING JURISDICTION PER NEC 230.95(C).

SHEET KEYNOTES

- 1. PROTECT AND MAINTAIN EXISTING GEAR/EQUIPMENT.

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COPPER CONDUCTOR AND CONDUIT SCHEDULE

Table with columns for SYM, AMP, HH, CONDUIT SIZE, QTY, SIZE, G, IG, HH, SE, NOTES. Lists various conductor and conduit specifications for different circuits.

CONDUCTOR AND CONDUIT SCHEDULE NOTES

- 1. CONDUCTORS SHOWN ARE SHOWN FOR EACH CONDUIT WITH MODIFICATIONS AS NOTED IN NOTE 5. ALL CONDUCTORS SHOWN ARE THIN UNLESS OTHERWISE NOTED.
2. PROVIDE EQUIPMENT GROUND CONDUCTORS PER TABLE 250-122 WHEN CIRCUIT BREAKERS ARE SIZED GREATER THAN AMPERE RATING SHOWN IN TABLE.
3. PROVIDE #10 NEUTRALS FOR MULTIWIRE BRANCH CIRCUITS SERVING COMPUTERS.
4. GROUND (G) CONDUCTOR MAY BE DELETED ON SERVICE ENTRANCE CONDUCTORS.
5. SYMBOL SUBSCRIPTS:
2N: INCLUDE TWO NEUTRAL CONDUCTORS SIZED AS SCHEDULED FOR PHASE AND NEUTRAL CONDUCTORS WHERE THE CONDUCTOR IS #10 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 #10 IN SIZE.
CP: PROVIDE CIRCUIT INTEGRITY CABLE; TYPE TWO-HOUR FIRE RESISTIVE CABLES IN CONDUIT OR PROVIDE FEEDER ENCASED IN CONCRETE.
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.
MC: PROVIDE FEEDER IN METAL-CLAD CABLE; TYPE MC IN PLACE OF SINGLE CONDUCTORS IN CONDUIT.
SE: SUBSTITUTE "SE" CONDUCTOR FOR "G" CONDUCTOR SHOWN, WHICH IS SIZED FOR THE GROUNDING OF THE SECONDARY OF THE SEPARATELY DERIVED SYSTEM.
SER: PROVIDE SERVICE-ENTRANCE CABLE; TYPE SE OR SER IN PLACE OF SINGLE CONDUCTORS IN CONDUIT.
6. RACEWAY ONLY - CONDUCTORS PROVIDED BY UTILITY.

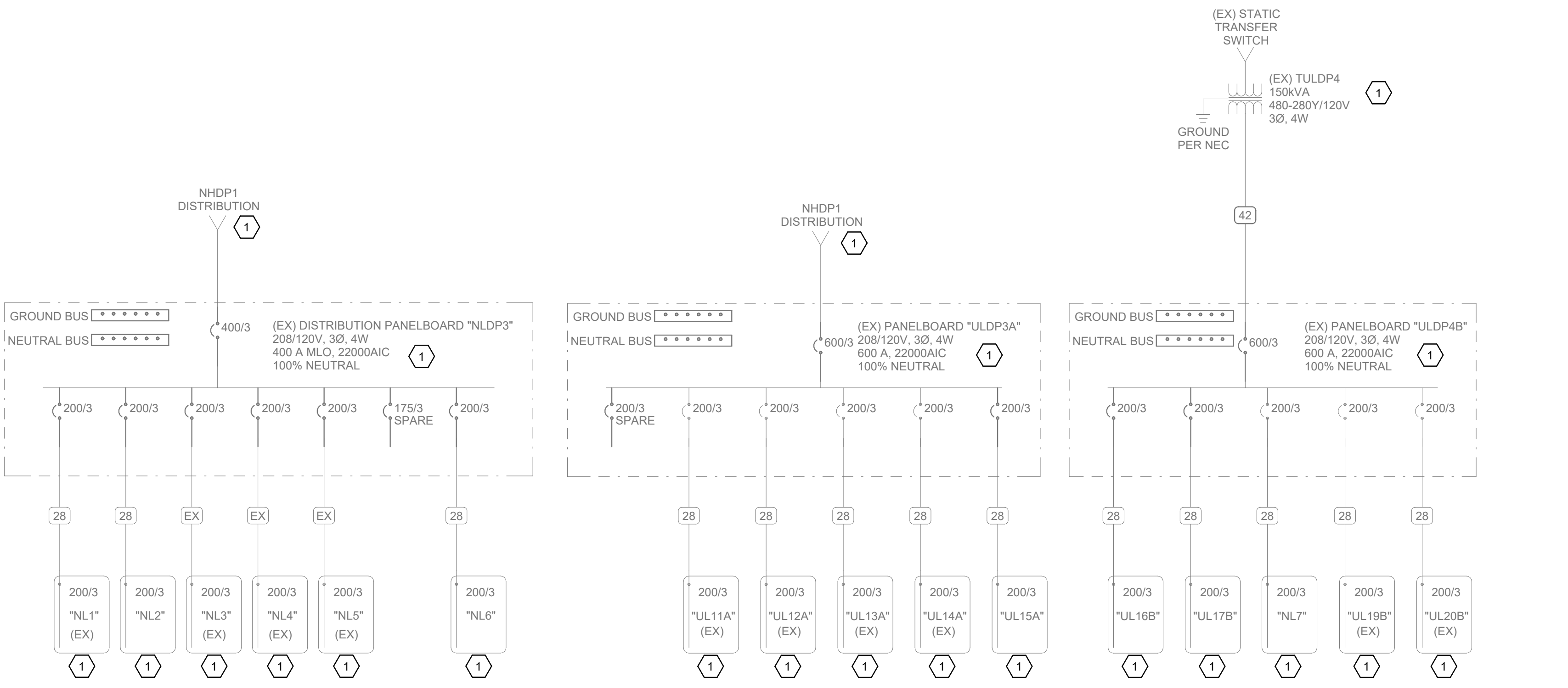
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CONSTRUCTION DOCUMENTS

DCM SEAL

Table with columns for No, Description, Date. Used for tracking construction documents.

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22812
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ONE-LINE DIAGRAM & SCHEDULES
EP601
Scale NTS



PARTIAL DEMOLITION ONE-LINE DIAGRAM
SCALE: NTS

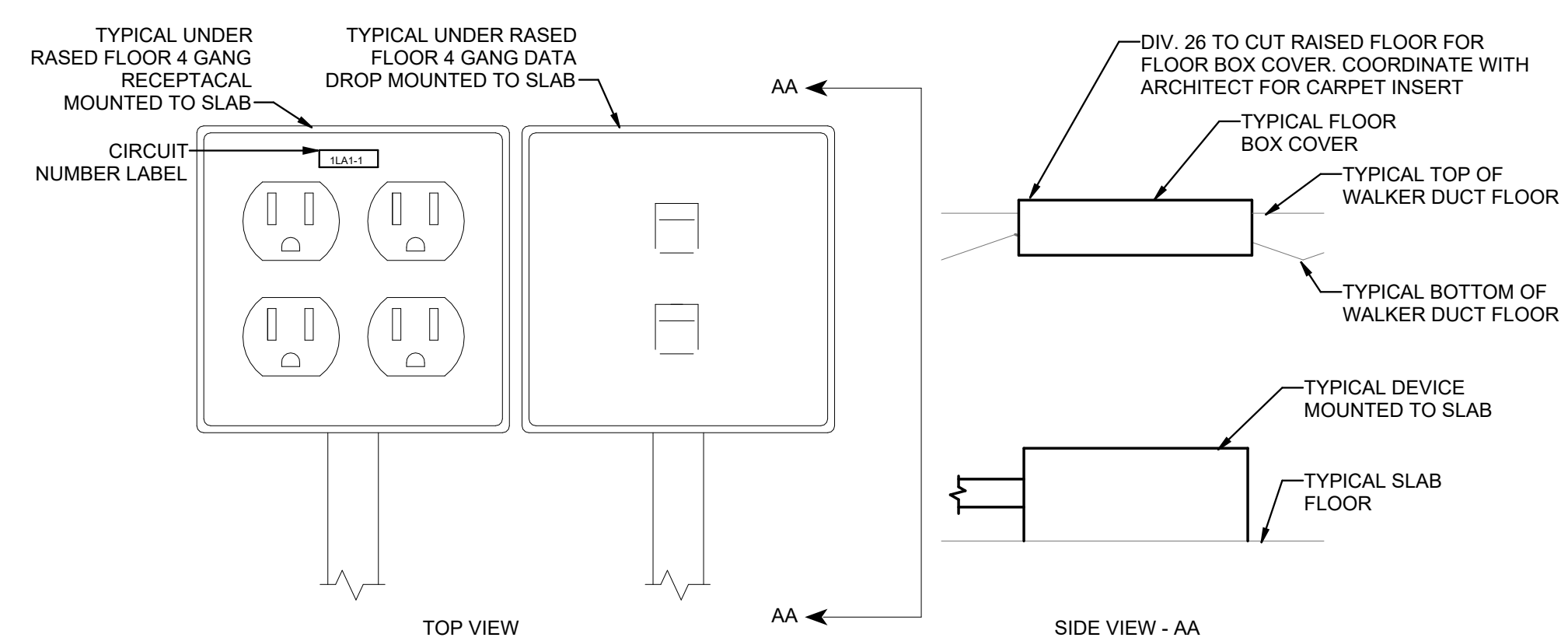
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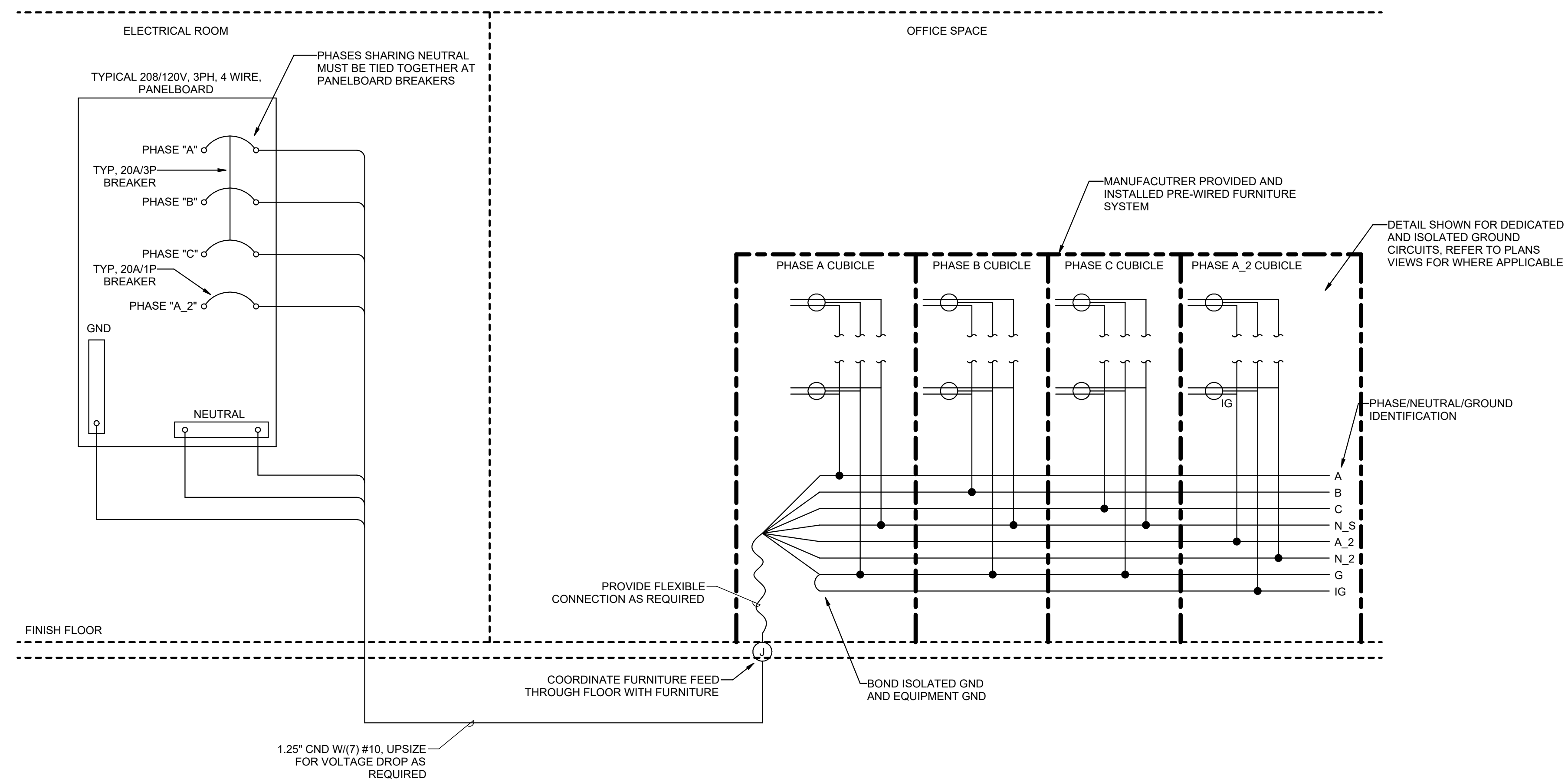
**GENETIC SCIENCE
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CONSTRUCTION DOCUMENTS



3 TYPICAL FLOOR POWER AND DATA

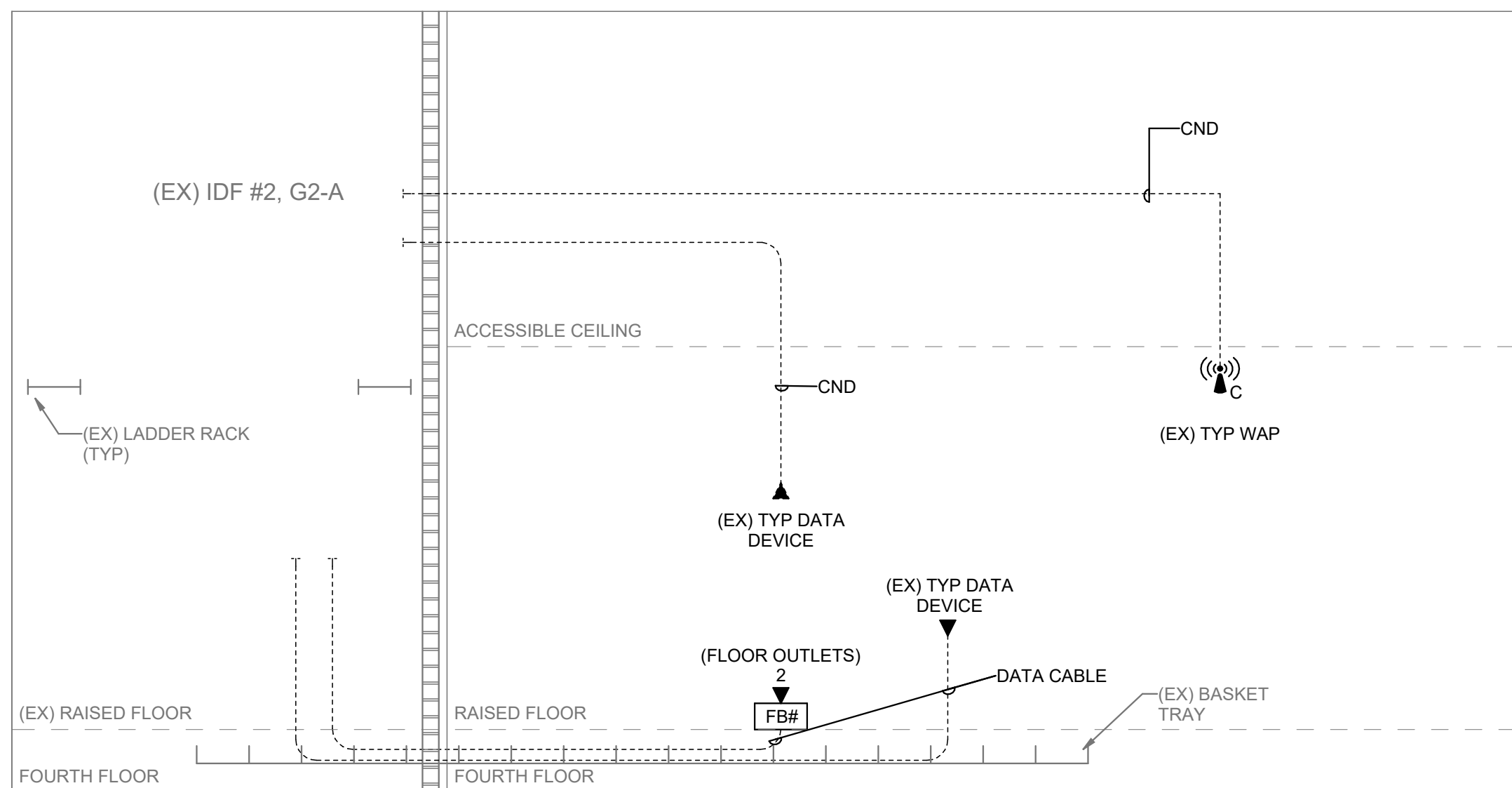
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4 TYPICAL SYSTEMS FURNITURE 8-WIRE FEED RISER

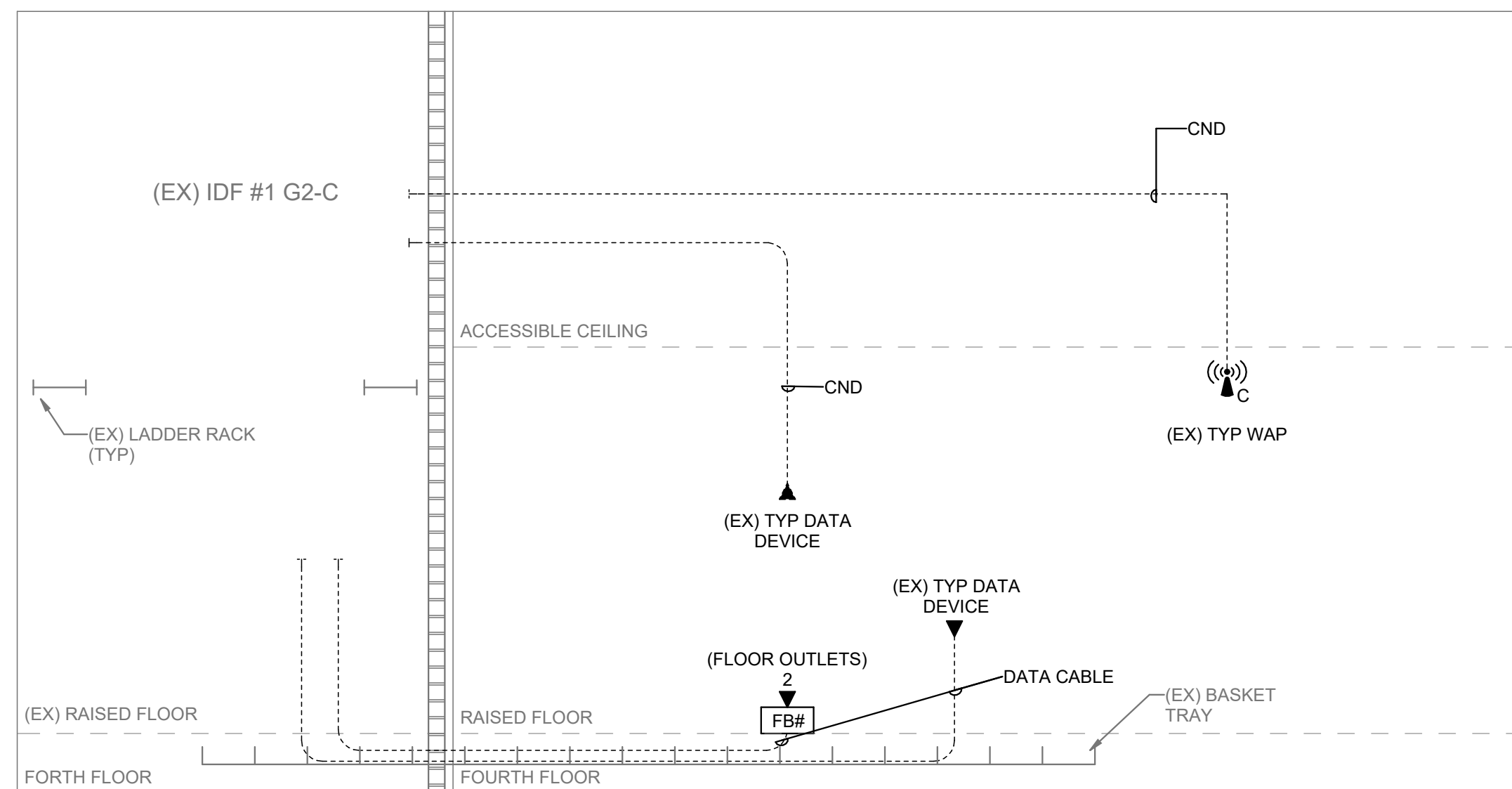
SCALE: NTS

NOTE: COORDINATE WITH UIT FOR ALL DEMOLITION OF DATA DEVICES/WAPS AND CABLING. CONTRACTOR TO DEMOLISH ALL RACEWAYS.



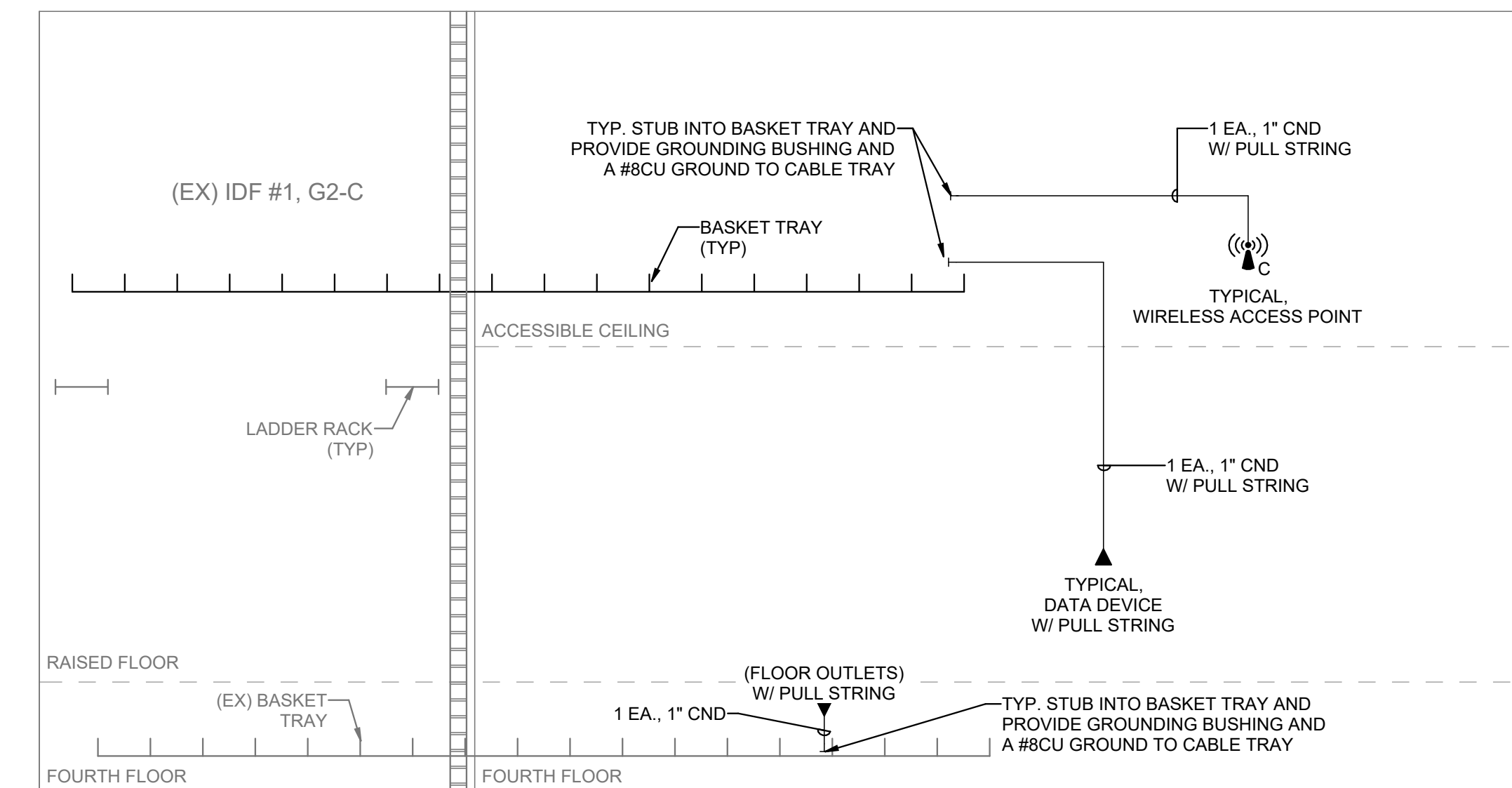
1 PARTIAL DEMOLITION TELECOM CONDUIT RISER DIAGRAM

SCALE: NTS



2 PARTIAL NEW CONSTRUCTION TELECOM CONDUIT RISER DIAGRAM

SCALE: NTS



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**ELECTRICAL
RISERS**

EP602

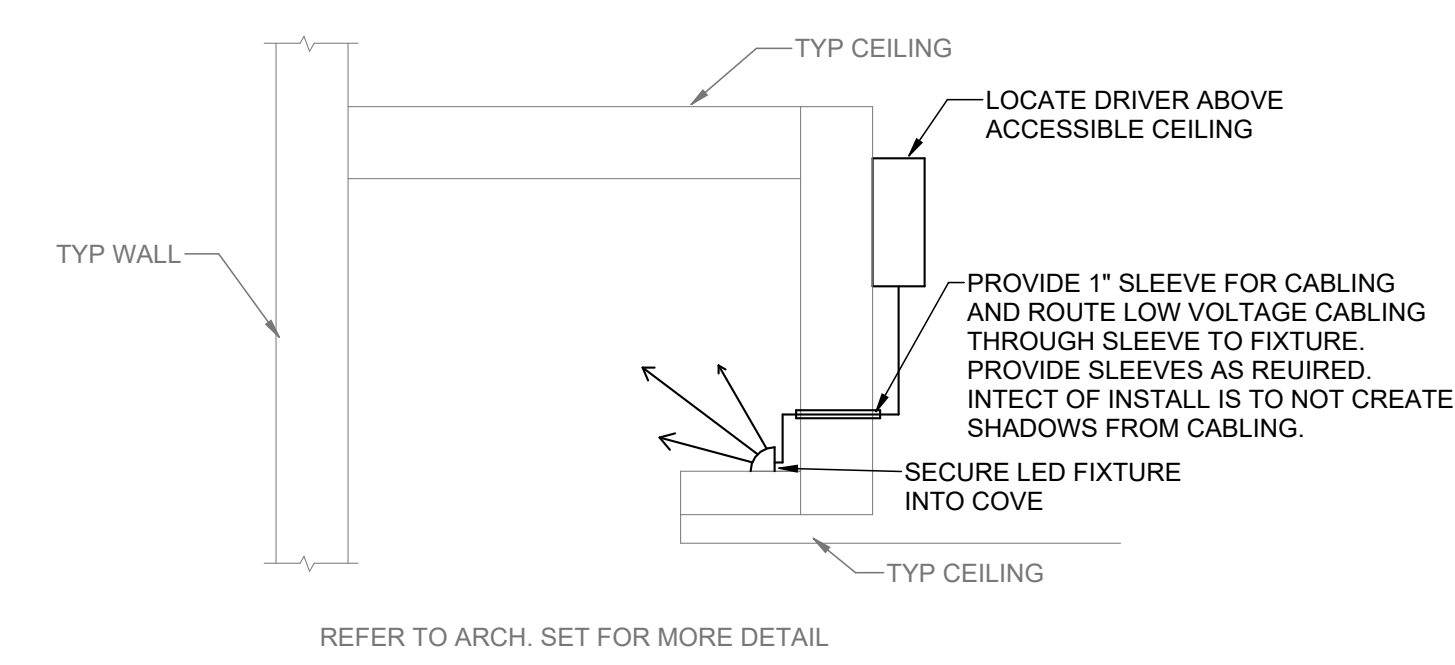
Scale NTS

SHEET KEYNOTES

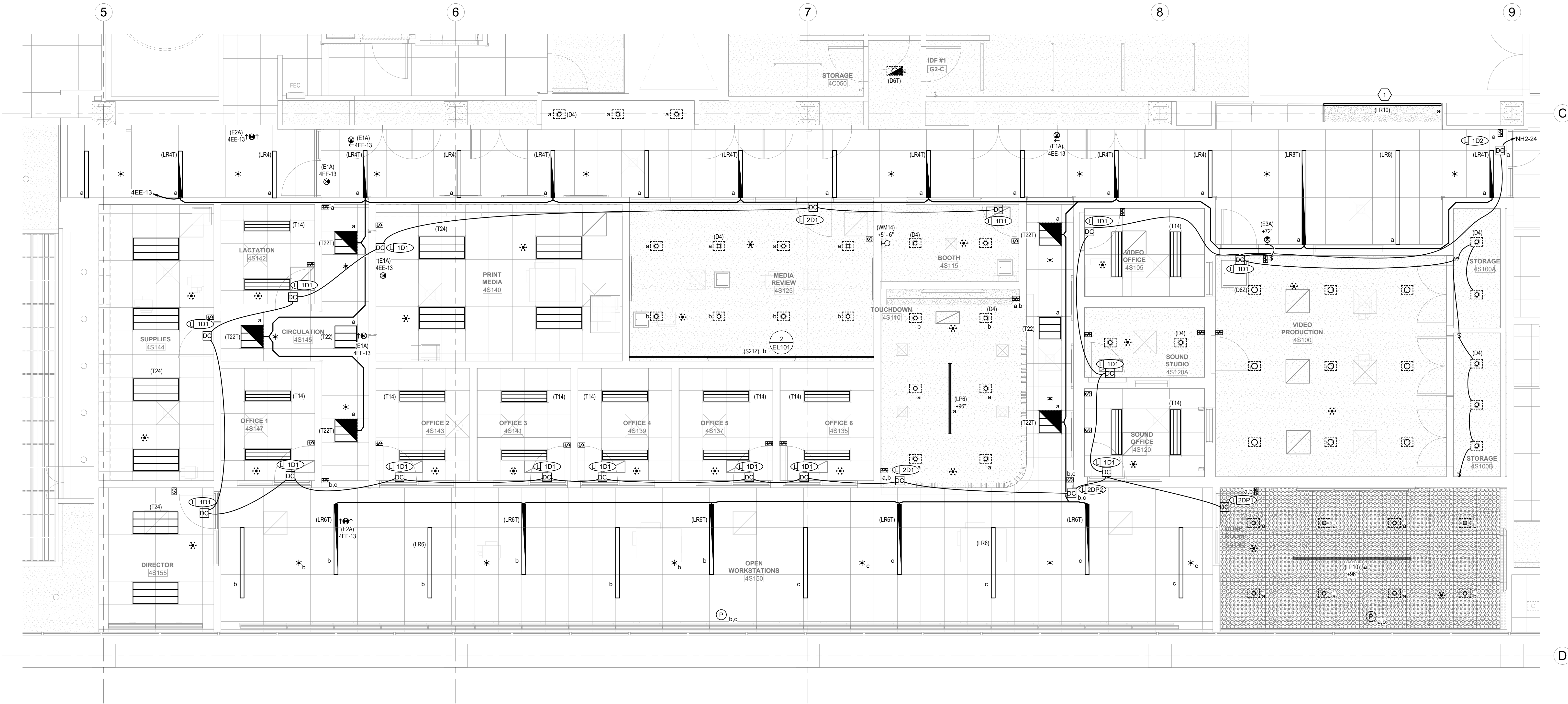
- 1 CONFIRM MOUNTING TYPE WITH ARCHITECT PRIOR TO ROUGH-IN.

GENERAL SHEET NOTES

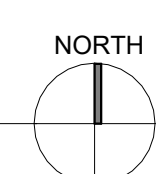
- 1 UNLESS NOTED OTHERWISE, ELECTRICAL ITEMS SHOWN IN DARK AND SOLID LINES ARE NEW AND THE CONTRACTOR SHALL PROVIDE THEM. ITEMS SHOWN IN SOLID LIGHT LINES ARE TO REMAIN.
- 2 COORDINATE LOCATIONS AND MOUNTING HEIGHTS OF ALL LIGHT FIXTURES ON THIS LEVEL WITH MECHANICAL EQUIPMENT, DUCT, PIPE, PLUMBING, ETC. PRIOR TO ROUGH-IN.
- 3 CONTRACTOR SHALL UPDATE PANEL SCHEDULES WITH NEW CIRCUIT DATA TYPED ON CARD STOCK TYPE MATERIAL.
- 4 ALL CEILING MOUNTED DEVICES LOCATED IN LAY-IN GRID CEILINGS SHALL BE INSTALLED CENTERED IN CEILING TILES AND/OR ALIGNED WITH OTHER FIXTURES WITHIN THE SAME PLANE AND CEILING SPACE.
- 5 LIGHTING CONTROL, DIMMING AND ROOM CONTROLLER SHALL BE LOCATED AS FOLLOWS WHERE POSSIBLE UNLESS NOTED OTHERWISE. LOCATE ABOVE ACCESSIBLE CEILING NEAR THE DOOR THAT CONTROLLER SERVES BUT OUT OF THE PATH OF EGRESS. REFER TO DETAIL FOR ADDITIONAL INFORMATION.
- 6 PROVIDE UNSWITCHED HOT CIRCUIT TO ALL LIGHT FIXTURES WITH EMERGENCY TRANSFERS TO ALLOW FOR POWER LOSS SENSING.
- 7 REFER TO EE701 FOR TYPICAL MOUNTING AND ALIGNMENT OF ELECTRICAL DEVICES.
- 8 CONTRACTOR SHALL BE REQUIRED TO PROVIDE ALL MOUNTING HARDWARE ALONG WITH REQUIRED SEISMIC BRACING FOR EACH FIXTURE.
- 9 ALL PATHWAYS FOR LOW VOLTAGE CABLING NOT REQUIRED TO BE IN CONDUITS SHALL BE ROUTED IN J-HOOK PATHWAYS. CONCEAL ALL PATHWAYS ABOVE ACCESSIBLE CEILING SPACES. DO NOT RUN CABLES IN EXPOSED AREAS. WHERE CONCEALMENT IS NOT POSSIBLE IN EXPOSED AREAS, CONTRACTOR SHALL PROVIDE CONDUIT TO ROUTE CABLING WHERE VISIBLE.



2 MEDIA REVIEW STRIP LIGHT
SCALE: NTS



1 FOURTH FLOOR LIGHTING PLAN
SCALE: 1/4" = 1'-0"



CONSTRUCTION DOCUMENTS

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FOURTH FLOOR LIGHTING PLAN

EL101
Scale 1/4" = 1'-0"

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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 CATSE CABLING _____ WIRING BY OTHERS ○---○ TMP SEGMENT ○---○ NETWORK CABLING	1. WATTSTOPPER (BASIS OF DESIGN) 2. NLIGHT 3. LUTRON 4. LEVITON 5. WAVELINK CAT	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	
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"	-	-	-	-	-	-	-	-	-	
1D2		MANUAL OR 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"	-	-	-	-	-	-	-	-	-	
2D1		MANUAL & OCCUPANCY	MANUAL OR OCCUPANCY	DIMMING 0-10V	-	15	RELAY CLOSED ON OCCUPANCY	-	-	TOGGLE PRESS TOP-ON, HOLD TOP-RAISE LABEL ID: TOP- "ON/RAISE" BOTTOM-"OFF"/LOWER"	FUNCTION: PRESS-PRESSE T SCENE #01 ZONE "a" 100% DIMMING LABEL ID: "PRE #1"	FUNCTION: PRESS-PRESSE T SCENE #02 ZONE "b" 100% DIMMING LABEL ID: "PRE #2"	FUNCTION: PRESS-SELEC T ZONE "a" FOR DIMMING LABEL ID: "ZONE a"	FUNCTION: PRESS-SELEC T 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 LABEL ID: TOP- "ON/RAISE" BOTTOM-"OFF"/LOWER"	FUNCTION: PRESS-PRESSE T SCENE #01 ZONE "a" 100% DIMMING LABEL ID: "PRE #1"	FUNCTION: PRESS-PRESSE T SCENE #02 ZONE "b" 100% DIMMING LABEL ID: "PRE #2"	FUNCTION: PRESS-SELEC T ZONE "a" FOR DIMMING LABEL ID: "ZONE a"	FUNCTION: PRESS-SELEC T ZONE "b" FOR DIMMING LABEL ID: "ZONE b"	-	-	-	-	-	-
2DP2		MANUAL OR 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"	FUNCTION: PRESS-PRESSE T SCENE #01 ZONE "a" 100% DIMMING LABEL ID: "PRE #1"	FUNCTION: PRESS-PRESSE T SCENE #02 ZONE "b" 50% DIMMING LABEL ID: "PRE #2"	FUNCTION: PRESS-SELEC T ZONE "a" FOR DIMMING LABEL ID: "ZONE a"	FUNCTION: PRESS-SELEC T ZONE "b" FOR DIMMING LABEL ID: "ZONE b"	-	-	-	-	-	-



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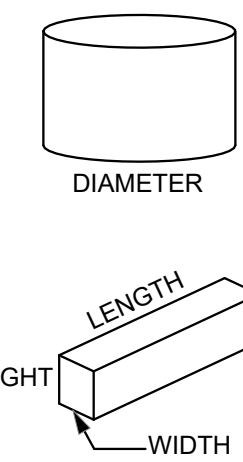
22812
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LIGHTING CONTROL SCHEDULE

EL601
Scale NTS

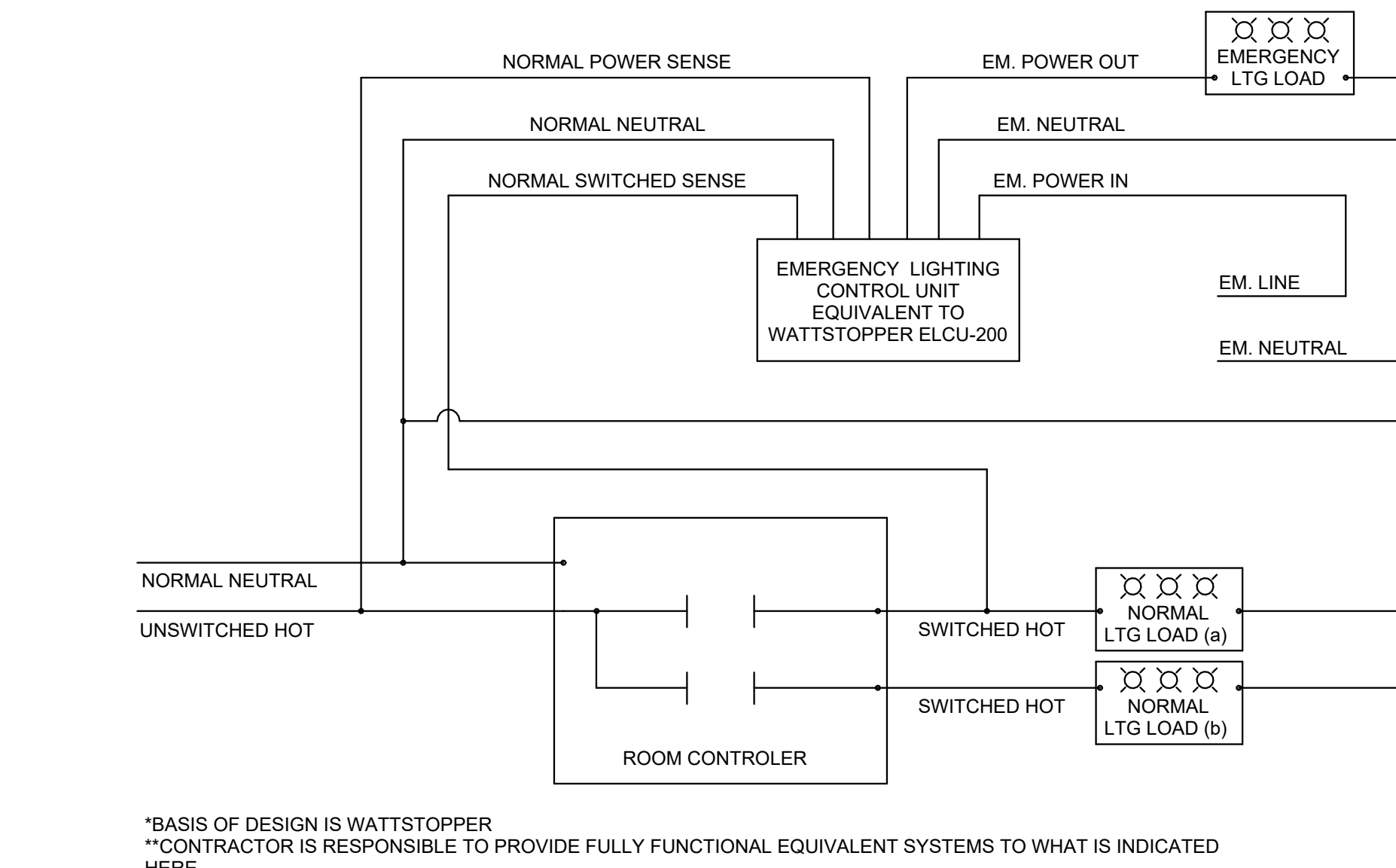
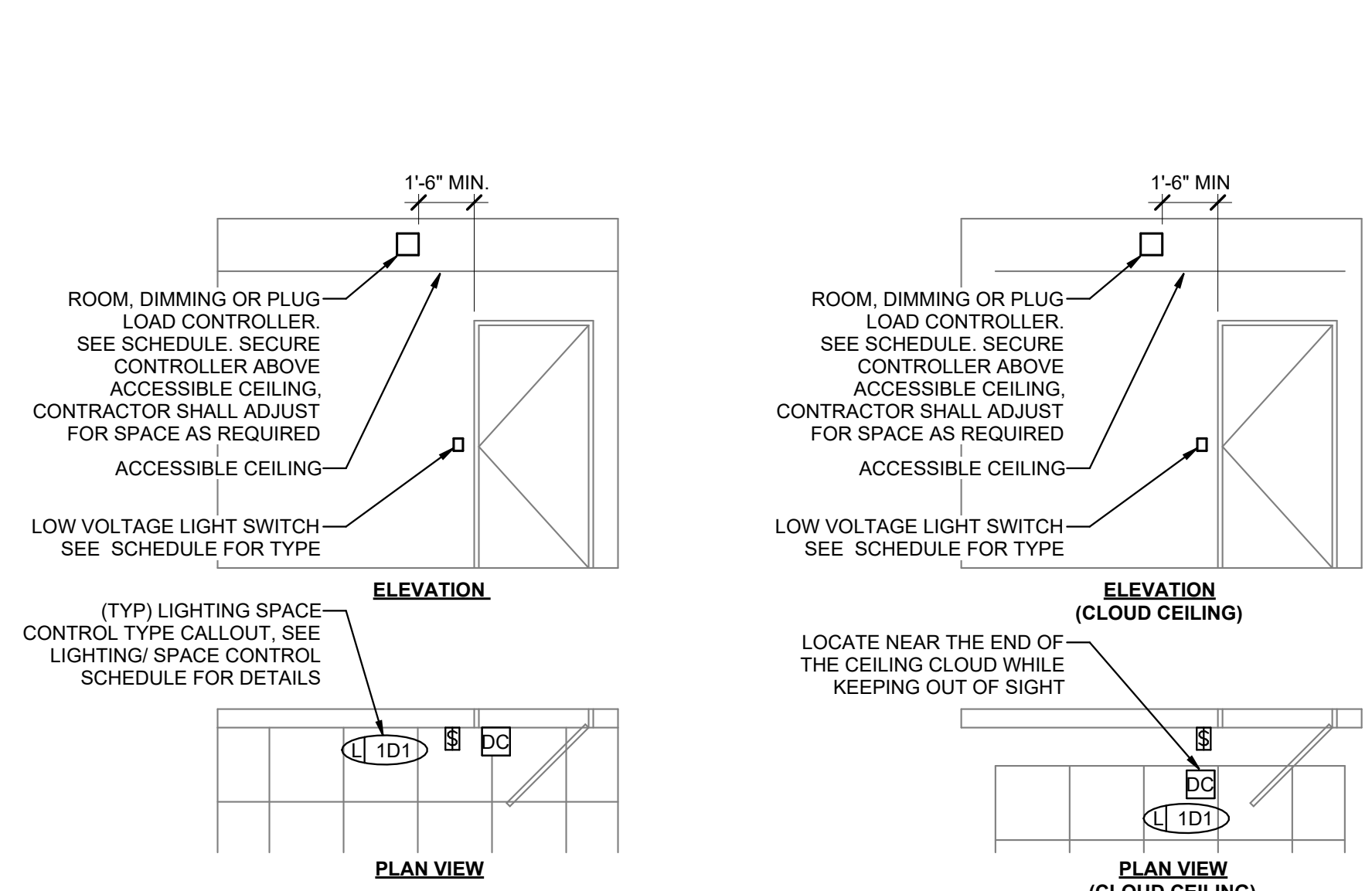
No	Description	Date

INTERIOR LIGHTING FIXTURE SCHEDULE
GENERAL NOTES



- 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.
- SAMPLES MUST BE PROVIDED FOR ANY AND ALL FIXTURES UPON A/E REQUEST PRIOR TO RELEASING FIXTURES.
- ALL FIXTURES SHALL BE LISTED AND APPROVED FOR THEIR INTENDED USE AND LOCATION.
- VERIFY THE PROPER MOUNTING KITS OR ACCESSORIES TO FACILITATE INSTALLATION AS SHOWN AT EACH LOCATION ON THE DRAWINGS.
- COMPLY WITH THE "INTERIOR LIGHTING" SECTION OF THE SPECIFICATIONS.
- ALL LIGHT FIXTURES TO BE EITHER "DLC" OR "LIGHTING FACTS" LISTED OR TO BE APPROVED BY ARCHITECT/ENGINEER AND OWNER.
- 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.

ID	DESCRIPTION	SIZE (NOMINAL)	DELIVERED DIRECT LUMENS	LUMINAIRE		COLOR TEMP	CRI	TYPE	DRIVER		MANUFACTURER (CATALOG SERIES)
				DELIVERED INDIRECT LUMENS					VOLTAGE	WATTS	
(D4)	DESCRIPTION: 4" DOWNLIGHT MOUNTING: RECESSED, CEILING FINISH: SCBA OPTICS: 65° BEAM, CLEAR REFLECTOR, MATTE DIFFUSE EM: NONE	LENGTH: 12" WIDTH: 9" HEIGHT: 8" DIAMETER: 4"	1,500			4000K	80	LED (0-10V DIMMING) 1%	120/277V	15	GOHAM (IC04) PORTFOLIO (LD6D) WILLIAMS (4DR-TL)
(D6T)	DESCRIPTION: 6" DOWNLIGHT MOUNTING: RECESSED, CEILING FINISH: SCBA OPTICS: 35° BEAM, CLEAR REFLECTOR, MATTE DIFFUSE OPTIONS: EM: EMERGENCY TRANSFER	LENGTH: 16" WIDTH: 11" HEIGHT: 9" DIAMETER: 6"	2,000			4000K	80	LED (0-10V DIMMING) 1%	120/277V	27	GOHAM (IC06) PORTFOLIO (LD6D) WILLIAMS (6DR-TL)
(D6Z)	DESCRIPTION: 6" DOWNLIGHT MOUNTING: RECESSED, CEILING FINISH: SCBA OPTICS: MEDIUM, EZB DRIVER EM: NONE	LENGTH: 12" WIDTH: 9" HEIGHT: 8" DIAMETER: 4"	3,000			4000K	80	ELOD 0-10V LOGARITHMIC DIMMING <1%	120/277V	30	GOHAM (EVO6) PORTFOLIO (LD6D) WILLIAMS (6DR-TL)
(E1A)	DESCRIPTION: EXIT SIGN, EDGE LIT, SINGLE SIDED MOUNTING: CEILING FINISH: SCBA OPTICS: EM: BATTERY	LENGTH: 11" WIDTH: 3" HEIGHT: 10"				GREEN		LED	120/277V	5	ISOLITE (UEL) SURE-LITES (SCX) EXITRONIX (S900U)
(E2A)	DESCRIPTION: EXIT SIGN, EDGE LIT, DOUBLE SIDED MOUNTING: CEILING FINISH: SCBA OPTICS: EM: BATTERY	LENGTH: 11" WIDTH: 3" HEIGHT: 10"				GREEN		LED	120/277V	5	ISOLITE (UEL) SURE-LITES (SCX) EXITRONIX (S900U)
(E3A)	DESCRIPTION: EDGE LIT, SINGLE SIDED MOUNTING: WALL FINISH: SCBA OPTICS: USER/ARCHITECT TO CHOOSE CUSTOM WORDING ON SIGN EM: NONE	LENGTH: 13" WIDTH: 3" HEIGHT: 10"				SCBA		LED	120/277V	5	ISOLITE (TLG2) EVENLITE (SOVCGI) EXITRONIX (402EX)
(LP8)	DESCRIPTION: CYLINDRICAL PENDANT MOUNTING: PENDANT FINISH: SCBA OPTICS: EM: NONE	LENGTH: 72" DIAMETER: 3.5"	3,144			4000K	90	LED (0-10V DIMMING) 1%	120/277V	36	CORONET (FLRD) LUMINII (SCT-JOIN-HR) AYO (OPT)
(LP10)	DESCRIPTION: CYLINDRICAL PENDANT MOUNTING: PENDANT FINISH: SCBA OPTICS: EM: NONE	LENGTH: 120" DIAMETER: 3.5"	5,240			4000K	90	LED (0-10V DIMMING) 1%	120/277V	60	CORONET (FLRD) LUMINII (SCT-JOIN-HR) AYO (OPT)
(LR4)	DESCRIPTION: FLUSH LENS LINEAR MOUNTING: GRID CEILING, RECESSED FINISH: SCBA OPTICS: EM: NONE	LENGTH: 48" WIDTH: 3" HEIGHT: 4"	2,400			4000K	80	LED (0-10V DIMMING) 1%	120/277V	26	MARK (SL2L) NEORAY (S122DR) BETACALCO (BLKR)
(LR4T)	DESCRIPTION: FLUSH LENS LINEAR MOUNTING: GRID CEILING, RECESSED FINISH: SCBA OPTICS: EM: EMERGENCY TRANSFER	LENGTH: 48" WIDTH: 3" HEIGHT: 4"	2,400			4000K	80	LED (0-10V DIMMING) 1%	120/277V	26	MARK (SL2L) NEORAY (S122DR) BETACALCO (BLKR)
(LR6)	DESCRIPTION: FLUSH LENS LINEAR MOUNTING: GRID CEILING, RECESSED FINISH: SCBA OPTICS: EM: NONE	LENGTH: 72" WIDTH: 3" HEIGHT: 4"	3,600			4000K	80	LED (0-10V DIMMING) 1%	120/277V	40	MARK (SL2L) NEORAY (S122DR) BETACALCO (BLKR)
(LR6T)	DESCRIPTION: FLUSH LENS LINEAR MOUNTING: GRID CEILING, RECESSED FINISH: SCBA OPTICS: EM: EMERGENCY TRANSFER	LENGTH: 72" WIDTH: 3" HEIGHT: 4"	3,600			4000K	80	LED (0-10V DIMMING) 1%	120/277V	40	MARK (SL2L) NEORAY (S122DR) BETACALCO (BLKR)
(LR8)	DESCRIPTION: FLUSH LENS LINEAR MOUNTING: GRID CEILING, RECESSED FINISH: SCBA OPTICS: EM: NONE	LENGTH: 96" WIDTH: 3" HEIGHT: 4"	4,800			4000K	80	LED (0-10V DIMMING) 1%	120/277V	53	MARK (SL2L) NEORAY (S122DR) BETACALCO (BLKR)
(LR8T)	DESCRIPTION: FLUSH LENS LINEAR MOUNTING: GRID CEILING, RECESSED FINISH: SCBA OPTICS: EM: EMERGENCY TRANSFER	LENGTH: 96" WIDTH: 3" HEIGHT: 4"	4,800			4000K	80	LED (0-10V DIMMING) 1%	120/277V	53	MARK (SL2L) NEORAY (S122DR) BETACALCO (BLKR)
(LR10)	DESCRIPTION: FLUSH LENS LINEAR MOUNTING: RECESSED FINISH: SCBA OPTICS: EM: NONE	LENGTH: 120" WIDTH: 2" HEIGHT: 4"	4,630			4000K	80	LED (0-10V DIMMING) 1%	120/277V	50	PAL (MLR2) NEORAY (S122DR) BETACALCO (BLKR)
(S21Z)	DESCRIPTION: INDOOR WHITE LIGHT TAPE MOUNTING: MOUNTING CLIP WITH WHITE ROUND LENS FINISH: SCBA OPTICS: EM: NONE	LENGTH: 252" WIDTH: 5"	2,100			4000K	80	LED (0-10V DIMMING)	120/277V	96	KELVIX (UN1-WL) QT (SW-HE24/1.5) OMNILIGHT (GENESIS 2.0)
(T14)	DESCRIPTION: VOLUMETRIC TROFFER MOUNTING: GRID CEILING FINISH: SCBA OPTICS: EM: NONE	LENGTH: 48" WIDTH: 12" HEIGHT: 4"	4,000			4000K	80	LED (0-10V DIMMING) 1%	120/277V	39	LITHONIA (ALL4) CORELITE (D3X) DAY-BRITE (1CAX)
(T22)	DESCRIPTION: VOLUMETRIC TROFFER MOUNTING: GRID CEILING, RECESSED FINISH: SCBA OPTICS: EM: NONE	LENGTH: 24" WIDTH: 24" HEIGHT: 4"	2,000			4000K	80	LED (0-10V DIMMING) 1%	120/277V	17	LITHONIA (2ALL2) CORELITE (D3X) DAY-BRITE (CAX)
(T22T)	DESCRIPTION: VOLUMETRIC TROFFER MOUNTING: GRID CEILING, RECESSED FINISH: SCBA OPTICS: EM: EMERGENCY TRANSFER	LENGTH: 24" WIDTH: 24" HEIGHT: 4"	2,000			4000K	80	LED (0-10V DIMMING) 1%	120/277V	17	LITHONIA (2ALL2) CORELITE (D3X) DAY-BRITE (CAX)
(T24)	DESCRIPTION: VOLUMETRIC TROFFER MOUNTING: GRID CEILING, RECESSED FINISH: SCBA OPTICS: EM: NONE	LENGTH: 48" WIDTH: 24" HEIGHT: 4"	4,000			4000K	80	LED (0-10V DIMMING) 1%	120/277V	32	LITHONIA (2ALL4) CORELITE (D3X) DAY-BRITE (CAX)
(WM14)	DESCRIPTION: 14" CIRCLE MOUNTING: WALL FINISH: SCBA OPTICS: EM: NONE	HEIGHT: 3" DIAMETER: 14"	1,490			4000K	90	LED (0-10V DIMMING) 1%	120/277V	16	BROWNLEE (PENNY-ID) PRUDENTIAL LTG (GAZE-RDS) LIGHTNET (1B)



1 TYPICAL ROOM CONTROLLER MOUNTING DETAILS
SCALE: NTS

2 TYPICAL EMERGENCY LIGHTING TRANSFER DEVICE DETAIL
SCALE: NTS

SHEET KEYNOTES

GENERAL SHEET NOTES

- 1 FIRE ALARM NOTIFICATION DEVICES SHALL BE ADJUSTED AS REQUIRED TO PROVIDE PROPER COVERAGE AND SOUND LEVELS.
- 2 ALL FIRE ALARM DEVICES SHALL BE MOUNTED SUCH THAT THEY ARE VISIBLE FROM THE GROUND AND EASILY ACCESSIBLE FOR MAINTENANCE.
- 3 TYPICAL: CORRIDOR SMOKE DETECTOR SPACING SHALL NOT EXCEED 30FT ON CENTER.
- 4 ALL PATHWAYS FOR LOW VOLTAGE CABLING NOT REQUIRED TO BE IN CONDUITS SHALL BE ROUTED IN J-HOOK PATHWAYS. CONCEAL ALL PATHWAYS ABOVE ACCESSIBLE CEILING SPACES. DO NOT RUN CABLES IN EXPOSED AREAS. WHERE CONCEALMENT IS NOT POSSIBLE IN EXPOSED AREAS, CONTRACTOR SHALL PROVIDE CONDUIT TO ROUTE CABLING WHERE VISIBLE. ALL CONDUIT SHALL BE PAINTED TO MATCH CEILING AND PROVIDED WITH PROTECTIVE BUSHINGS.

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10.30.2024

REVIEWED FOR CODE COMPLIANCE

11/14/2024

Shums Coda Associates

**GENETIC SCIENCE
LEARNING CENTER**

CONSTRUCTION DOCUMENTS

DCM SEAL

No	Description	Date

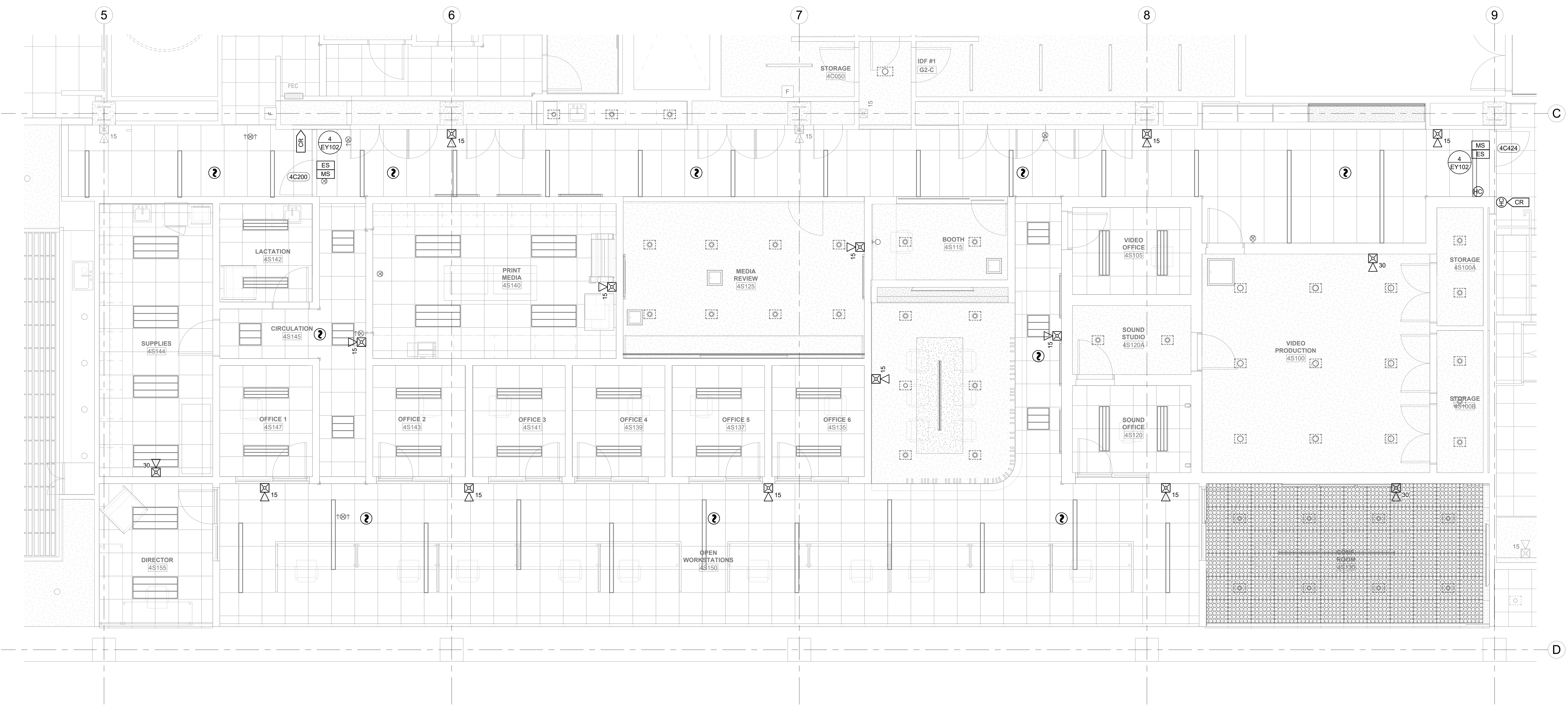


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SALT LAKE CITY, UT 84108

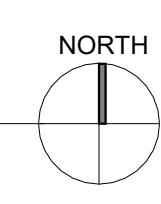
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10.30.2024

FOURTH FLOOR
AUXILIARY PLAN

EY101
Scale 1/4" = 1'-0"



1 FOURTH FLOOR AUXILIARY PLAN
SCALE: 1/4" = 1'-0"



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No	Description	Date

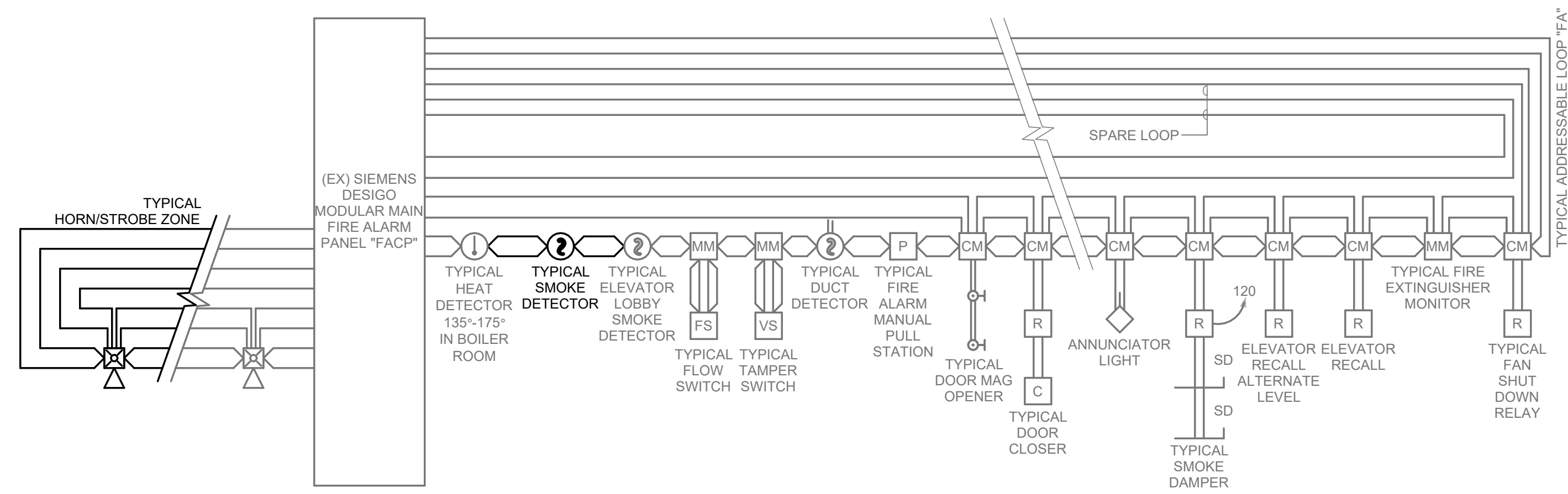


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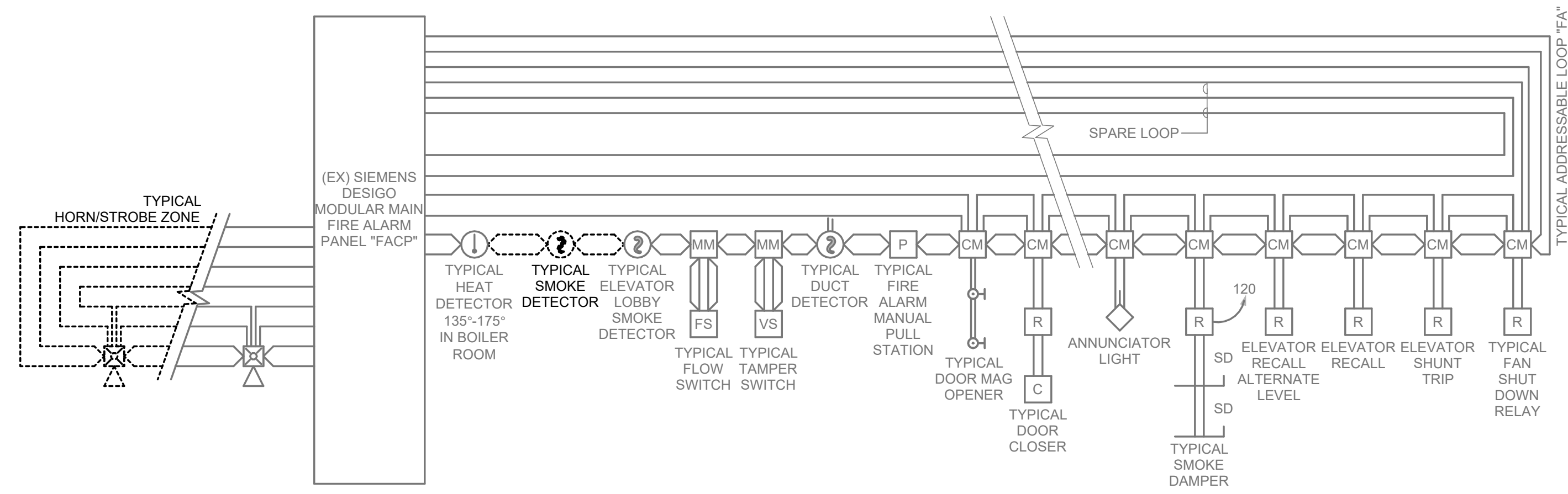
22812
10.30.2024

AUXILIARY
RISERS

EY102
Scale NTS



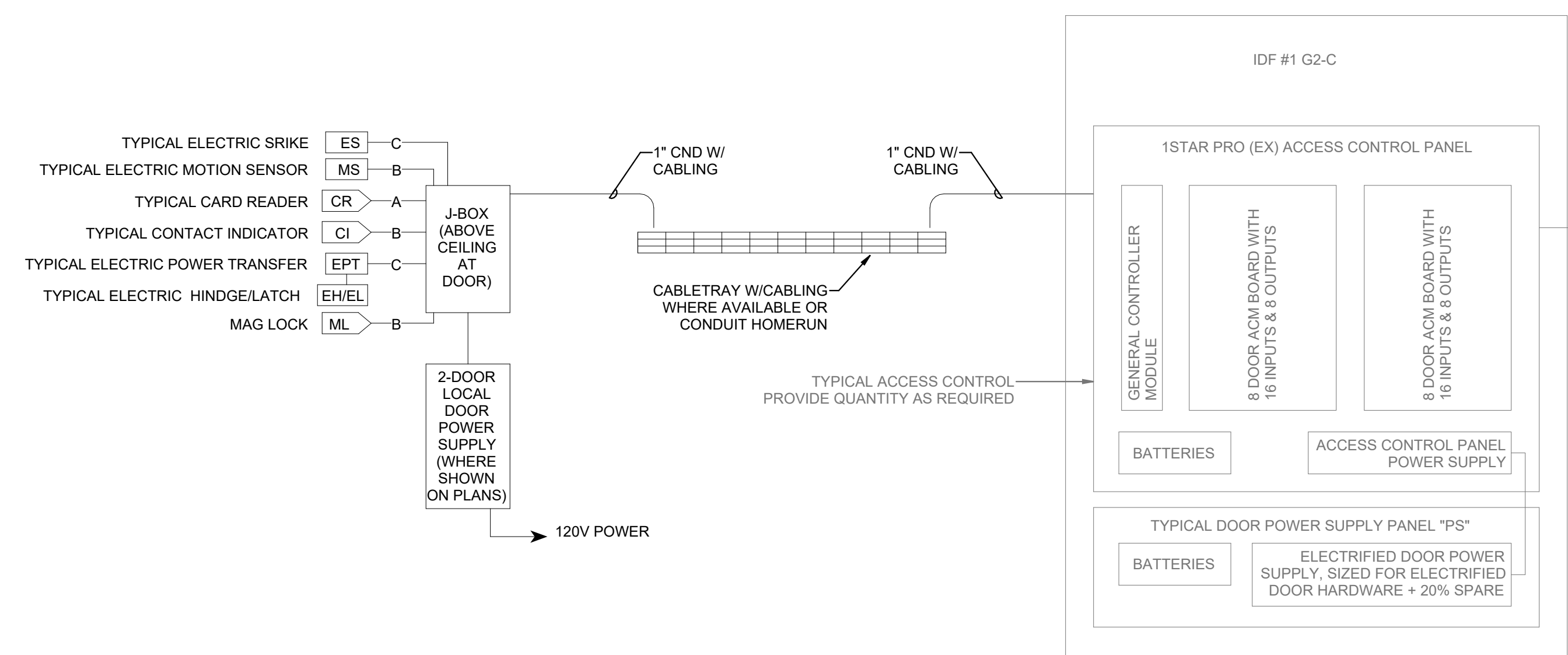
3 PARTIAL NEW CONSTRUCTION FIRE ALARM RISER
SCALE: NTS



2 PARTIAL DEMOLITION FIRE ALARM RISER
SCALE: NTS

ACCESS CONTROL SYSTEM CONDUIT AND CABLING SCHEULE

- A- 1" CND W/ PULLSTRING
- B- 0.75" CND W/ PULLSTRING
- C- 0.75" CND W/ PULLSTRING
- D- 0.75" CND W/ PULLSTRING

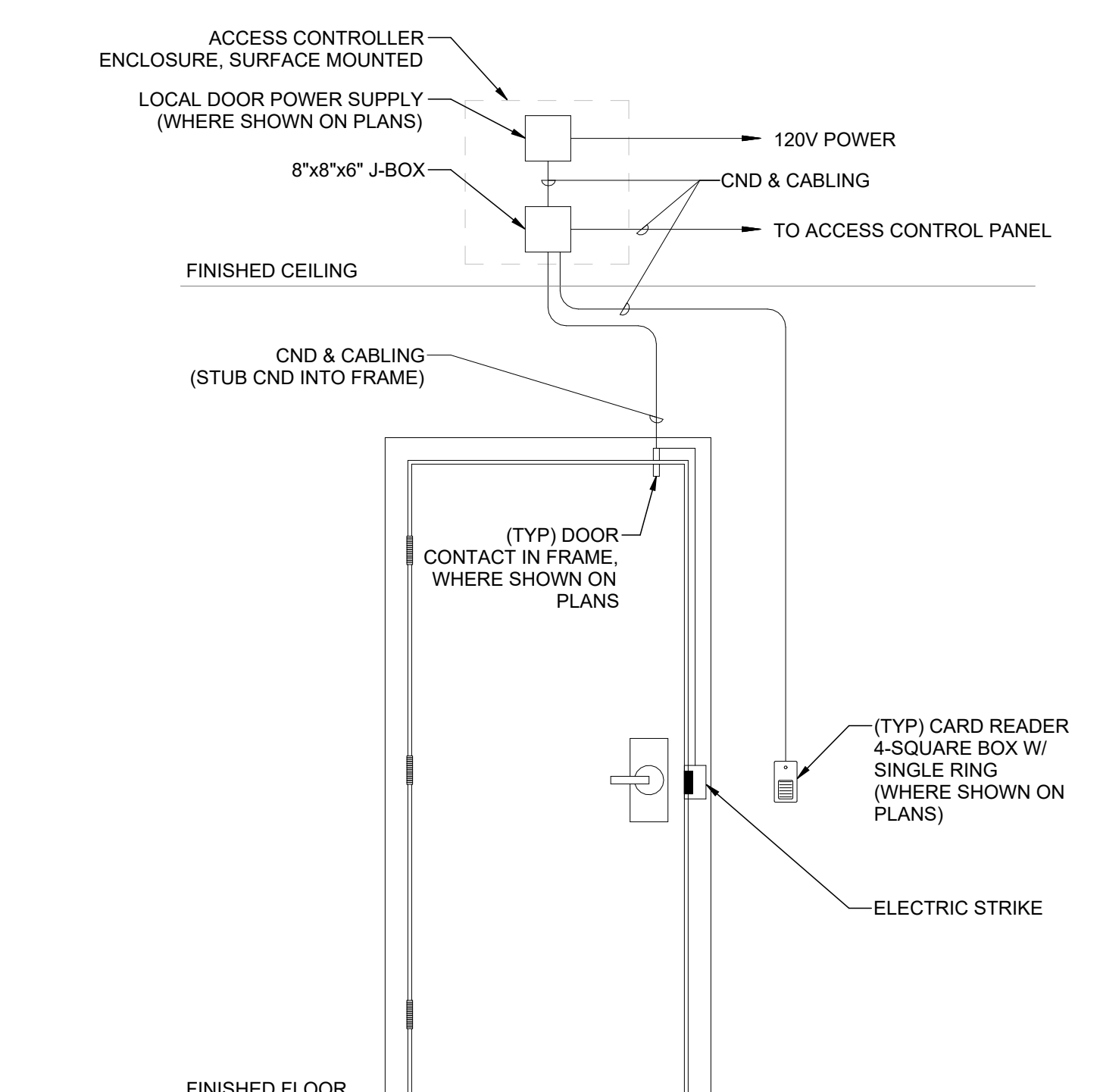


1 ACCESS CONTROL RISER DIAGRAM
SCALE: NTS

**UOFU
IP NETWORK**

GENERAL DIVISION OF WORK

- CARD READERS - BY OWNER
- CONTACT INDICATORS - BY DIVISION 8
- ACCESS CONTROL SYSTEM - BY OWNER
- DOOR POWER SUPPLIES @ DOOR - BY OWNER
- DOOR POWER SUPPLIES @ CONTROL PANEL - BY OWNER
- RACEWAYS - BY DIVISION 26/28
- CABLING - BY OWNER
- ELECTRIFIED DOOR POWER SUPPLY, SIZED FOR ELECTRIFIED DOOR HARDWARE + 20% SPARE
- ADA OPERATORS - BY DIVISION 8
- REX (MOTION SENSORS) - BY DIVISION 8



4 SINGLE DOOR ELECTRIC STRIKE DETAIL
SCALE: NTS