

# OWTC HEALTH TECHNOLOGY PRACTICAL NURSING EXPANSION

DFCM PROJECT NUMBER: 21147240



State of Utah - Department of Administrative Services  
DIVISION OF FACILITIES CONSTRUCTION  
AND MANAGEMENT  
4110 State Office Building / Salt Lake City, Utah 84414/801-538-3018

**OWNER:**

**UTAH STATE DFCM**  
4110 State Office Building  
Salt Lake City, UT 84114  
Contact: Denise Austin, Project Manager

**OWNER:**

**OGDEN - WEBER TECHNICAL COLLEGE**  
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Telephone: 801.627.8384

**ARCHITECT:**

**SANDERS ASSOCIATES ARCHITECTS**  
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**MECHANICAL:**

**WHW**  
8619 Sandy Parkway #101  
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Contact: Win Packer, PE  
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**ELECTRICAL:**

**BNA**  
635 South State Street  
Salt Lake City, UT 84111  
Contact: Josh Oakeson, PE  
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Consultant

OWTC HEALTH TECHNOLOGY  
PRACTICAL NURSING EXPANSION

200 N. WASHINGTON BLVD.  
OGDEN, UT 84404

Project Name

Issued		
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1	08/25/2020	DFCM PLAN REVIEW

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DFCM Project No. 21147240  
SAA Project No. 2020-16  
Drawing Title

COVER SHEET

Sheet Number

GI001



DFCM approval



**SPECIAL INSPECTIONS (2018 IBC)**

- 092200** NON LOAD BEARING STEEL FRAMING, AS REQUIRED BY IBC 1705.12.5 "ARCHITECTURAL COMPONENTS". INSPECTION IS BY THE OWNERS AGENT.
- 092300** GYPSUM BOARD- COLD WEATHER PLACEMENT REQUIREMENTS AS LISTED IN THIS SPECIFICATION SECTION. INSPECTION IS BY THE OWNERS AGENT.
- 095100** ACOUSTICAL CEILINGS- SPECIAL INSPECTION REQUIREMENTS AS LISTED IN THIS SPECIFICATION SECTION. INSPECTION IS BY THE OWNERS AGENT.
- 220548** MECHANICAL SEISMIC RESTRAINTS- AS REQUIRED BY IBC SECTION 1705.12.6 "SPECIAL INSPECTIONS FOR SEISMIC RESISTANCE". INSPECTION IS BY THE OWNERS AGENT.

**260000** ELECTRICAL PER THE REQUIREMENTS OF ASCE 7, THE BUILDING OWNER WILL EMPLOY A SPECIAL INSPECTOR(S) TO OBSERVE THE CONSTRUCTION OF ALL DESIGNATED SEISMIC SYSTEMS IN ACCORDANCE WITH THE QUALITY ASSURANCE PLAN. PERIODIC SPECIAL INSPECTION DURING THE ANCHORAGE OF ELECTRICAL EQUIPMENT FOR EMERGENCY AND STANDBY POWER SYSTEMS, INCLUDING BUT NOT LIMITED TO:

- A.** EMERGENCY LIGHTING, WITH ASSOCIATED CONDUIT, WIRING AND DISTRIBUTION SYSTEM.
- B.** FIRE ALARM SYSTEM AND DEVICES, WITH ASSOCIATED CONDUIT, WIRING AND DISTRIBUTION SYSTEM.

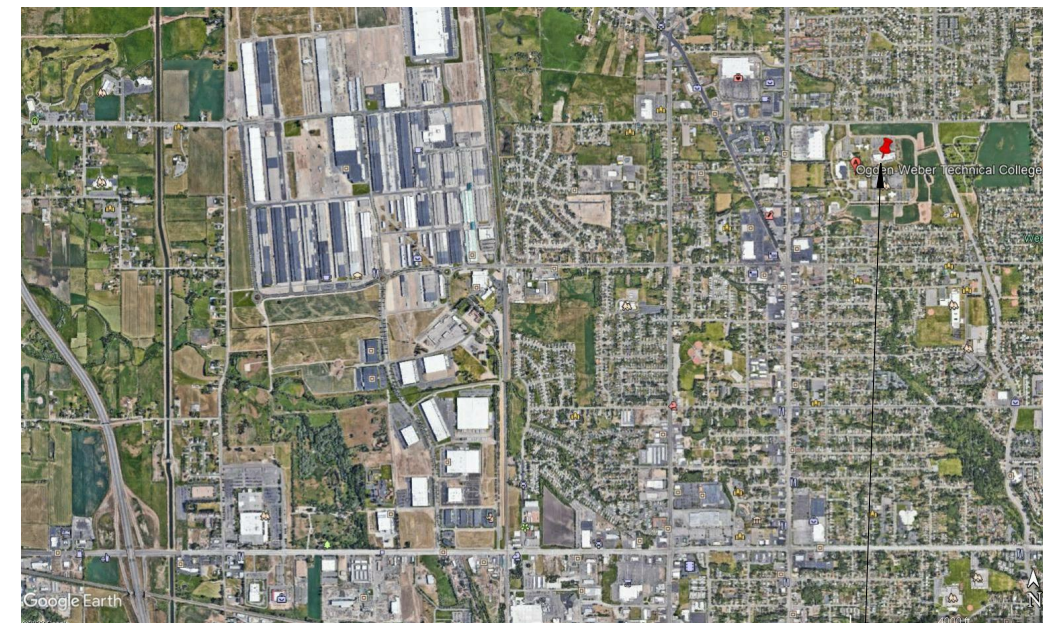
**DEFERRED SUBMITTALS**

CONTRACTOR IS RESPONSIBLE TO SUBMIT DEFERRED SUBMITTALS IN ACCORDANCE WITH IBC 106.3.4.2. AS PART OF THE SUBMITTAL PROCESS, THE CONTRACTOR IS TO SUBMIT ALL ICC ERS REPORTS FOR ITEMS NOTED

- SUSPENDED CEILING SYSTEMS
- MECHANICAL SEISMIC RESTRAINTS
- FIRE PROTECTION PER 107.2.2
- ELECTRICAL SEISMIC RESTRAINTS



CLOSER MAP



OVERALL MAP

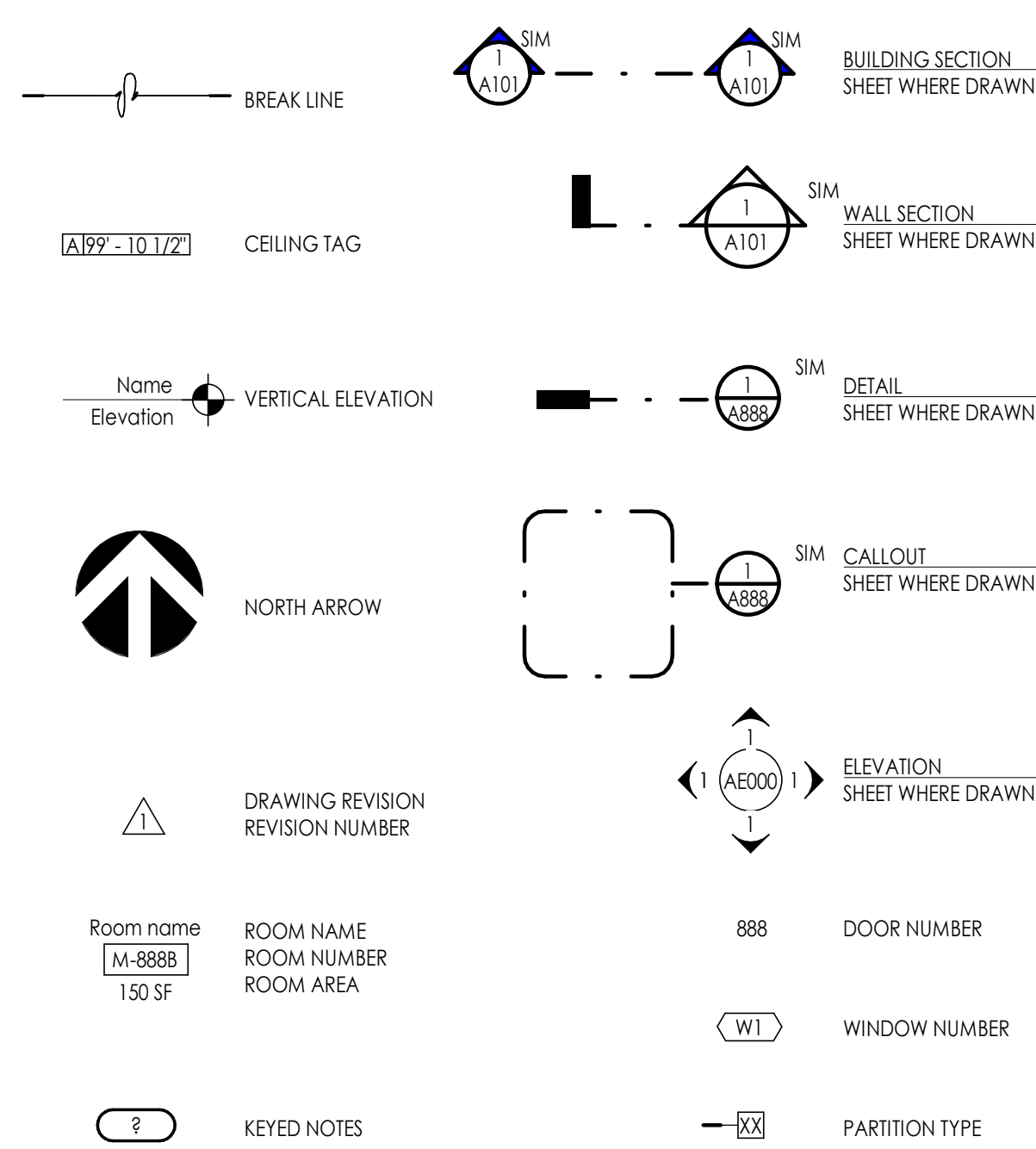
**Vicinity Map**

N.T.S.

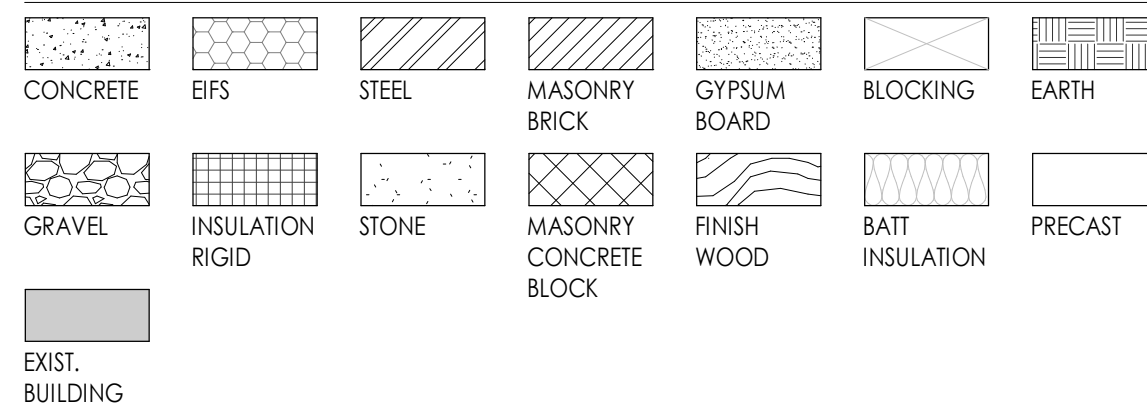
**ADDITIVE ALTERNATES**

- # 1 - PRACTICE LAB 208 SCREEN PARTITIONS (LAB 254 INCLUDED IN BASE BID)
- # 2 - DESK REMOVAL

**GENERAL SYMBOLS**



**MATERIALS**



**ABBREVIATIONS**

#	NUMBER	DWGS.	DRAWINGS	I.D.	INSIDE DIAMETER	REINF.	REINFORCED
@	AT	EA.	EACH	I.F.	INSIDE FACE	REQ'D	REQUIRED
C	CENTER LINE	E.F.	EACH FACE	IN.	INCHES	RM.	ROOM
Ø	DIAMETER	E.J.	EXPANSION JOINT	INFO.	INFORMATION	R.O.	ROUGH OPENING
L	ANGLE	INSUL.	INSULATION	INSUL.	INSULATION	SCHED.	SCHEDULE
A.B.	ANCHOR BOLT	ELEV.	ELEVATION	LAV.	LAVATORY	SHR.	SHOWER
ABV.	ABOVE	EQ.	EQUAL	LGT.	LIGHT	SHT.	SHEET
ADJ.	ADJUSTABLE	E.S.	EACH SIDE	LT. WT.	LIGHT WEIGHT	SIM.	SIMILAR
A.F.F.	ABOVE FINISH FLOOR	E.W.	EACH WAY	MAINT.	MAINTENANCE	SPEC.	SPECIFICATION
ALUM.	ALUMINUM	EXIST.	EXISTING	MANUF.	MANUFACTURER	STC	SOUND TRANSMISSION COEFFICIENT
APPROX.	APPROXIMATE	EXPAN.	EXPANSION	MAX.	MAXIMUM	STD.	STANDARD
ARCH.	ARCHITECTURAL	EXT.	EXTERIOR	MAT.	MATERIAL	STIFF.	STIFFENER
A.S.T.M.	AMERICAN SOCIETY FOR TESTING MATERIALS	F.D.	FLOOR DRAIN	M.C.J.	MASONRY CONTROL JOINT	STR.	STRUCTURAL
D.B.A.	DEFORMED BAR ANCHOR	FDN.	FOUNDATION	MFR.	MANUFACTURER	SUPER.	SUPERVISOR
BD.	BOARD	F.E.C.	FIRE EXTINGUISHER CABINET	MIN.	MINIMUM	SUSP.	SUSPENDED
BLDG.	BUILDING	F.F.	FINISH FLOOR	MISC.	MISCELLANEOUS	THRU	THROUGH
B.M.	BENCHMARK	FIN.	FINISH	M.O.	MASONRY OPENING	T.O.	TOP OF
B.O.	BOTTOM OF	FLR.	FLOOR	MTL.	METAL	T.O.A.	TOP OF ASPHALT
BOT.	BOTTOM	FT.	FEET	N.I.C.	NOT IN CONTRACT	T.O.C.	TOP OF CURB
B.P.	BASE PLATE	FIG.	FOOTING	NO.	NUMBER	T.O.F.	TOP OF FOOTING
BRG.	BEARING	G.A.	GAGE/GAUGE	N.T.S.	NOT TO SCALE	T.O.S.	TOP OF SLAB OR SIDEWALK
BTWN.	BETWEEN	GAL.	GALLON	O.C.	ON CENTER	T.O.W.	TOP OF WALL
CER.	CERAMIC	GALV.	GALVANIZED	O.D.	OUTSIDE DIAMETER	TYP.	TYPICAL
C.J.	CONSTRUCTION JOINT	GND.	GROUND	O.F.	OUTSIDE FACE	U.N.O.	UNLESS NOTED
CLG.	CEILING	GWB.	GYPSUM WALL BOARD	O.H.	OVERHEAD		
CLR.	CLEAR	GYP. BD.	GYPSUM WALL BOARD	OHD	OVERHEAD DOOR		
CMU	CONCRETE MASONRY UNIT	HC.	HANDICAPPED	OPQ.	OPPOSITE	VCT	VINYL COMPOSITION
COL.	COLUMN	HDW.	HARDWARE	PART.	PARTITION		
CONC.	CONCRETE	H.M.	HOLLOW METAL	PL.	PLATE	VERT.	VERTICAL
CONT.	CONTINUOUS	HORIZ.	HORIZONTAL	PNTD.	PAINTED	VEST.	VESTIBULE
CONST.	CONSTRUCTION	HR.	HOUR	PROT.	PROTECTION	VNR.	VENEER
COORD.	COORDINATE	H.S.A.	HEADED STUD ANCHOR	P.S.F.	POUNDS PER SQUARE FOOT	W/	WITH
DBL.	DOUBLE	HT.	HEIGHT	P.S.I.	POUNDS PER SQUARE INCH	WD.	WOOD
DEPT	DEPARTMENT	HVAC	HEATING/VENTILATION/AIR CONDITIONING	QTY.	QUANTITY	W.W.F.	WELDED WIRE FABRIC
DIA.	DIAMETER	HYD	HYDRANT	R.D.	ROOF DRAIN		
DTL.	DETAIL			RAD.	RADIUS		

**DRAWING INDEX**

**GENERAL INFORMATION**

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- G1002 GENERAL INFORMATION
- G1003 CODE SUMMARY
- G1004 ACCESSIBILITY DETAILS
- G1005 SIGNAGE TYPES AND DETAILS

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- AD102 DEMOLITION FLOOR PLAN LEVEL 2 AREA B
- AD103 DEMOLITION REFLECTED CEILING PLAN
- AE102 LEVEL 2 AREA A
- AE103 LEVEL 2 AREA B
- AE141 REFLECTED CEILING PLAN
- AE161 FINISH FLOOR PLAN
- AE441 INTERIOR ELEVATIONS
- AE501 MILLWORK DETAILS
- AE601 DOOR SCHEDULE & FRAME TYPES
- AE641 FINISH SCHEDULE
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- PE101.1 PLUMBING FLOOR PLANS AREA A
- PE101.2 PLUMBING FLOOR PLANS AREA B
- PE102.1 PLUMBING SEWER AND VENT FLOOR PLANS AREA A
- PE102.2 PLUMBING VENT AND SEWER FLOOR PLANS AREA B
- PE501 PLUMBING DETAILS
- PE601 PLUMBING SCHEDULES

**MECHANICAL**

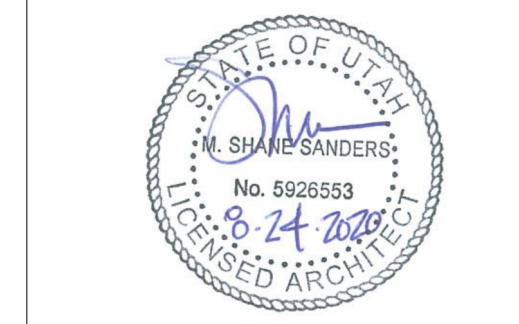
- MG100 MECHANICAL GENERAL NOTES AND LEGEND
- MD101.1 MECHANICAL LEVEL 2 DEMOLITION PLANS AREA A
- MD101.2 MECHANICAL LEVEL 2 DEMOLITION PLANS AREA B
- MD102.1 MECHANICAL PIPING LEVEL 2 DEMOLITION PLANS AREA A
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- ME103.1 MECHANICAL LEVEL 2 REFLECTED CEILING PLAN AREA A
- ME103.2 MECHANICAL LEVEL 2 REFLECTED CEILING PLAN AREA B
- ME501 MECHANICAL DETAILS
- ME601 MECHANICAL SCHEDULES

**ELECTRICAL**

- E001 SYMBOLS, SCHEDULES AND NOTES
- E002 SCHEDULES AND NOTES
- E003 ELECTRICAL SPECIFICATIONS
- E101 LEVEL 02 AREA A DEMOLITION PLAN
- E102 LEVEL 02 AREA B DEMOLITION PLAN
- E201 LEVEL 02 AREA A LIGHTING PLAN
- E202 LEVEL 02 AREA B LIGHTING PLAN
- E203 WALLSTATIONS
- E301 LEVEL 02 AREA A POWER PLAN
- E302 LEVEL 02 AREA B POWER PLAN
- E401 LEVEL 02 AREA A SYSTEMS PLAN
- E402 LEVEL 02 AREA B SYSTEMS PLAN
- E501 ELECTRICAL DIAGRAMS

**MISCELLANEOUS GENERAL NOTES**

- THE PROJECT MANUAL, UNDER SEPARATE COVER, IS AN INTEGRAL PART OF THESE CONSTRUCTION DRAWINGS.
- PLANS, SECTIONS, ELEVATIONS, DETAILS AND DIMENSIONS LABELED "TYPICAL" SHALL APPLY TO ALL SITUATIONS OCCURRING THAT ARE THE SAME OR SIMILAR TO THOSE SPECIFICALLY NOTED ON THE DRAWINGS.
- ALL WORK, MATERIALS, AND METHODS SHALL BE IN CONFORMANCE WITH THE CODES, ORDINANCES AND REGULATIONS OF ALL GOVERNMENTAL AGENCIES HAVING JURISDICTION AT THE PROJECT LOCATION.
- CONTRACTORS ARE RESPONSIBLE FOR ALL WORK REGARDLESS OF THE LOCATION OF THE INFORMATION ON THE DOCUMENTS.
- KEEP SITE CLEAN AND CLEAR OF DEBRIS AND IN ORDERLY CONDITION THAT DOES NOT DETRACT FROM THE SURROUNDING SITE AND REPAIR ANY DAMAGE CAUSED BY WORK OF THE CONTRACTOR.
- INSTALL SEALANT AT EXTERIOR SIDE OF ALL JOINTS, SEAMS, CONNECTIONS OR OPENINGS WHICH WOULD ALLOW WATER OR AIR INFILTRATION EXCEPT AS NOTED OTHERWISE. SEALANT COLOR TO MATCH ADJACENT SURFACE. COLOR REQUIRE ARCHITECTS APPROVAL.
- ALL SPECIAL ACCESSIBLE FACILITIES SHALL BE IDENTIFIED WITH APPROVED SIGNAGE.
- THE CONTRACTOR IS RESPONSIBLE FOR PRODUCING A WEATHER TIGHT BUILDING, DETAILS AND OMISSIONS TO DRAWINGS NOTWITHSTANDING. ALL DRAWING CONFLICTS WHICH MAY NOT ALLOW A WEATHER TIGHT CONDITION SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT. DISCREPANCIES BETWEEN ACTUAL CONDITIONS AND PLANS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT. CONTRACTOR SHALL SUBMIT SPECIFIC DISCREPANCIES FOR ARCHITECT REVIEW.
- PROVIDE FULL METAL BACKING PLATE (16 GAUGE X 6" HIGH SECURED TO 3 STUDS MIN.) OR WOOD BLOCKING AS REQUIRED TO SECURELY ANCHOR ALL WALL MOUNTED EQUIPMENT (CABINETS, TOILET ROOM ACCESSORIES, HARDWARE, ETC.). BLOCKING SHALL PROVIDE A RIGID CONNECTION CAPABLE OF SUPPORTING DESIGN LOADS. PROVIDE A 16 GAUGE X 6" STL. STUD/TRACK SECURED TO 2 STUDS TO SECURELY SUPPORT ALL WALL STOPS (DOOR BUMPER).
- COORDINATE WITH ALL TRADES, SIZES AND LOCATIONS OF ALL OPENINGS FOR MECHANICAL, PLUMBING AND ELECTRICAL EQUIPMENT, EQUIPMENT PADS OR BASES, AS WELL AS ELECTRIC POWER, WATER, AND DRAIN INSTALLATIONS, BEFORE PROCEEDING WITH WORK. CONTRACTOR SHALL PROVIDE COORDINATION DRAWINGS FOR PROPER PLACEMENT OF ALL TRADES' WORK. ANY CONCERNS, SPACE LIMITATIONS OR STRUCTURAL CONFLICTS, SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT. A REASONABLE RESPONSE TIME SHALL BE ALLOWED AS NOTED IN THE SPECIFICATIONS.
- ALL FLOOR OR WALL OPENINGS REQUIRED FOR PIPES, DUCTS, CONDUITS, ETC. SHALL BE SEALED IN AN APPROVED MANNER.
- FIRE SPRINKLER DESIGN TO BE DONE BY A CERTIFIED SUB-CONTRACTOR PRIOR TO SUBMITTAL TO ARCHITECT. SUBMITTAL TO THE ARCHITECT ALSO INDICATES THAT THE CONTRACTOR HAS REVIEWED AND COORDINATED FIRE-SPRINKLER PIPING LOCATIONS WITH ALL TRADES.
- ROOMS ENCLOSED WITH RATED WALLS REQUIRE RATED DOORS. ANY DUCTS PASSING THROUGH WALLS REQUIRE FIRE DAMPERS AND OR FIRE/SMOKE DAMPERS. ANY CONDUIT OR PIPING REQUIRES RATED SEALANT AT JOINTS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE AND LOCATE ELECTRICAL DATA AND PHONE RECEPTACLES, SWITCHES, ETC. TO AVOID CASEWORK DOORS, ETC.
- THE DRAWINGS AND SPECIFICATIONS INDICATE THE GENERAL SCOPE OF THE PROJECT IN TERMS OF THE ARCHITECTURAL AND STRUCTURAL DESIGN CONCEPT. THE DIMENSIONS OF THE BUILDING, THE TYPE OF STRUCTURAL, MECHANICAL, ELECTRICAL AND UTILITY SYSTEMS AND MAJOR ARCHITECTURAL ELEMENTS OF CONSTRUCTION AS "SCOPE" DOCUMENTS.
- THE DRAWINGS AND SPECIFICATIONS DO NOT NECESSARILY INDICATE OR DESCRIBE ALL WORK REQUIRED FOR THE FULL PERFORMANCE AND COMPLETION OF THE WORK. CONTRACTS SHALL BE LET ON THE BASIS OF SUCH DOCUMENTS, WITH THE UNDERSTANDING THAT THE CONTRACTOR IS TO FURNISH ALL ITEMS REQUIRED FOR PROPER COMPLETION OF THE WORK WITH OUT ADJUSTMENT TO CONTRACT PRICE. IT IS INTENDED THAT THE WORK TO BE OF SOUND AND QUALITY CONSTRUCTION AND THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE INCLUSION OF ADEQUATE AMOUNTS TO COVER INSTALLATION OF ALL ITEMS INDICATED, DESCRIBED OR REASONABLY IMPLIED.



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 SAA Project No. 2020-16  
 Drawing Title



**GENERAL INFORMATION**

Sheet Number

**G1002**

DFCM approval





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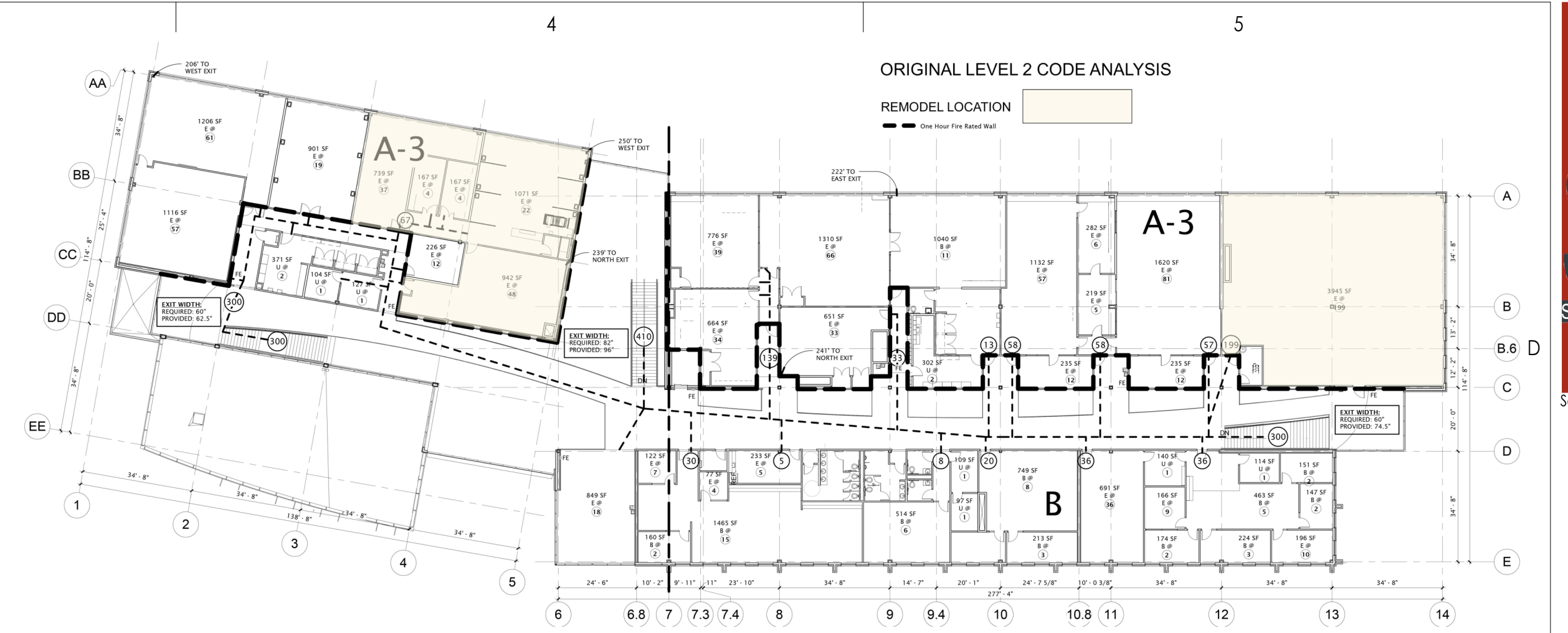
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**CODE SUMMARY**

Sheet Number

**G1003**

DFCM approval



**CODE ANALYSIS**

Code	Year	Code	Year
International Building Code	2018	National Electrical Code	2017
International Mechanical Code	2018	Uniform Code for Building Conservation	2018
International Fuel Gas Code	2018	International Plumbing Code	2018
International Fire Code	2018	ADA Accessibility 2010 ADA standards	
International Energy Conservation Code	2018	Guidelines for accessible design	
		International Existing Building Code	2018

**CODE LEGEND**

- TRAVEL DISTANCE LINE: - - - - -
- TRAVEL DISTANCE TO F.E.: - - - - -
- ONE HOUR FIRE RATED WALL: - - - - -

**APPLICABLE CODES**

A. Occupancy and Group: B A-3  
Change in Use: Yes  No  Mixed Occupancy: Yes  No   
Special Use and Occupancy (e.g. High Rise, Covered Mall): N/A

B. Seismic Design Category: D Design Wind Speed: 90 mph

C. Type of Construction (circle one):  
I A II A III A IV A V A VI A  
I B II B III B IV B V B VI B

D. Fire Resistance Rating Requirements for the Exterior Walls based on the fire separation distance (in hours):  
North: N/A South: N/A East: N/A West: N/A

E. Mixed Occupancies: X Nonseparated Uses:

F. Sprinklers: EXISTING SPRINKLERS  
Required: N/A Provided: N/A  
Type of Sprinkler System (IBC 903.3.1) NFPA 13

G. Number of Stories: 2 Building Height: 46' - 9"

H. Actual Area per Floor:  
Actual Area 1st Floor (square feet): B: 21,291 SF, A-3: 25,461 SF  
Actual Area 1st Floor (square feet): B: 17,078 SF, A-3: 21,287 SF

I. Tabular Area: (table 506.2) 9,000 s.f.

J. Area Modifications: (N/A)

$$A_{a,b} = \left\{ A_1 + \left[ \frac{A_2}{A_1} \right] + \left[ \frac{A_3}{A_1} \right] \right\} I_f = \left[ \frac{F}{P} - 0.25 \right] \frac{W}{30}$$

b) Sum of the Ratio Calculations for Mixed Occupancies: (N/A)

$$1) \frac{21,291 \text{ SF}}{86,250 \text{ SF}} + \frac{25,461 \text{ SF}}{35,625 \text{ SF}} = 0.96 < 1$$

$$2) \frac{17,078 \text{ SF}}{86,250 \text{ SF}} + \frac{21,287 \text{ SF}}{35,625 \text{ SF}} = 0.80 < 1$$

c) Total Allowable Area for:  
1) One Story: 15,417 s.f.  
2) Two Story: A<sub>2</sub>(2) N/A  
3) Three Story: A<sub>3</sub>(3) N/A

d) Unlimited Area Building: Yes  No  Code Section:

K. Fire Resistance Rating Requirements for Building Elements (hours).

Element	Hours	Assembly Listing	Element	Hours	Assembly Listing
Exterior Bearing Walls	0	(Existing)	Floors - Ceiling Floors	0	(Existing)
Interior Bearing Walls	0	(Existing)	Roofs - Ceiling Roofs	0	(Existing)
Exterior Non-Bearing Walls	0	(Existing)	Exterior Doors and Windows	0	(Existing)
Structural Frame	0	(Existing)	Shaft Enclosures	X	(Existing)
Partitions - Permanent	0	(Existing)	Fire Walls	N/A	N/A
Fire Barriers	N/A	(Existing)	Fire Partitions	N/A	N/A
			Smoke Partitions	N/A	N/A

\* Fire ratings required by Table 508.3.3 and Section 707.4

L. Design Occupant Load: 2,057

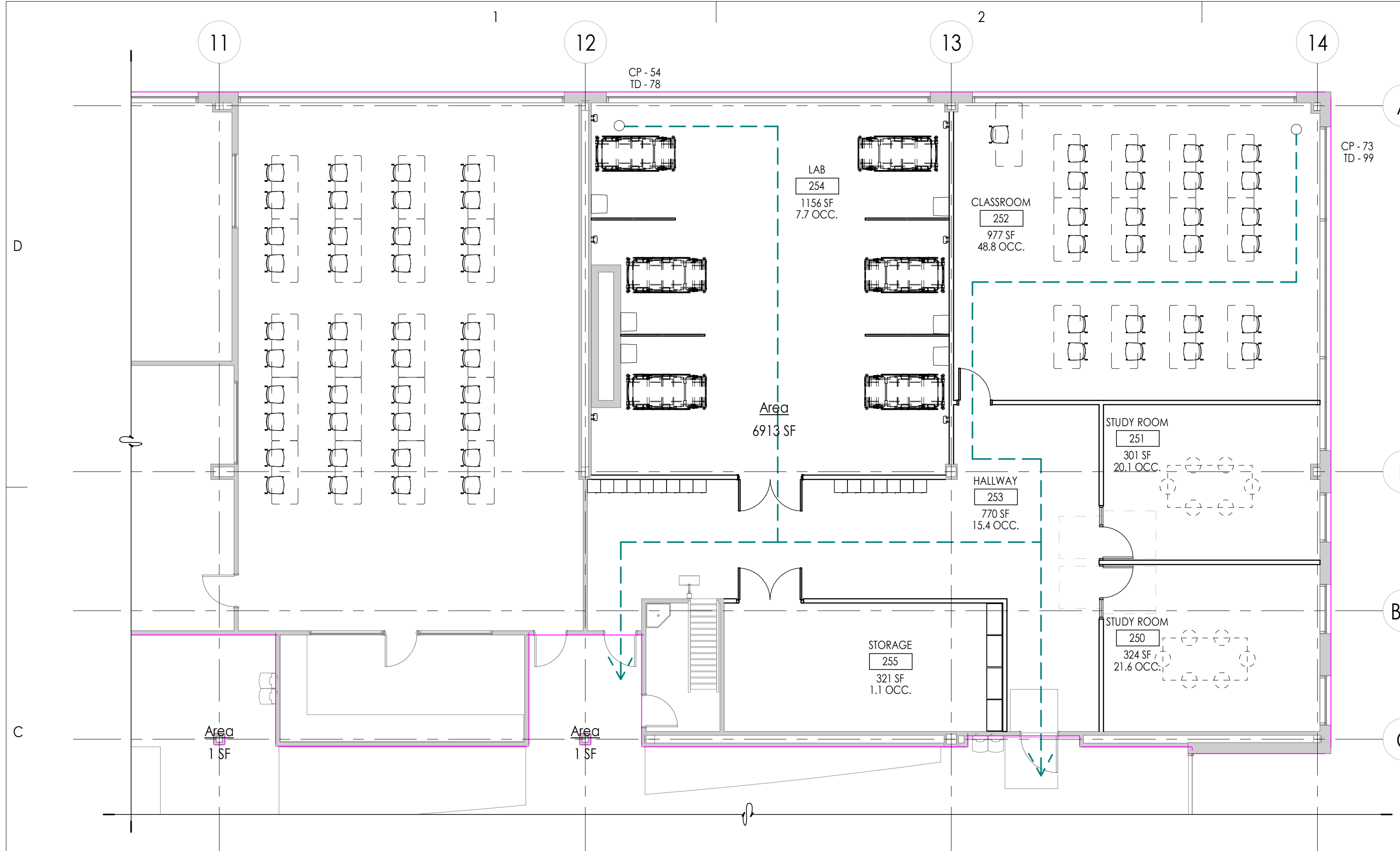
Exit Width Required: 411.4 Exit Width Required: 504

M. Minimum Number of Required Plumbing Facilities: (See footnote #3 below)

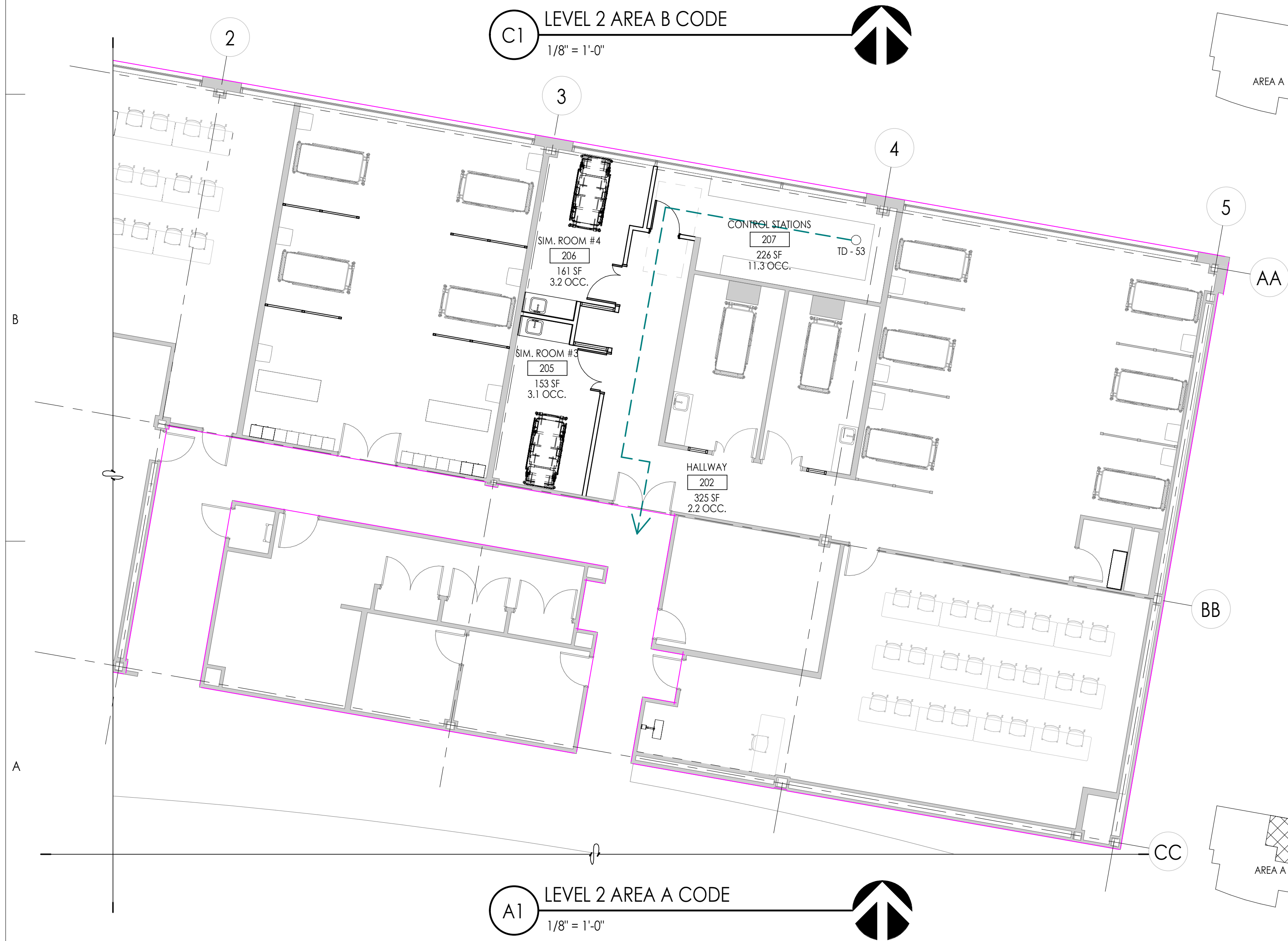
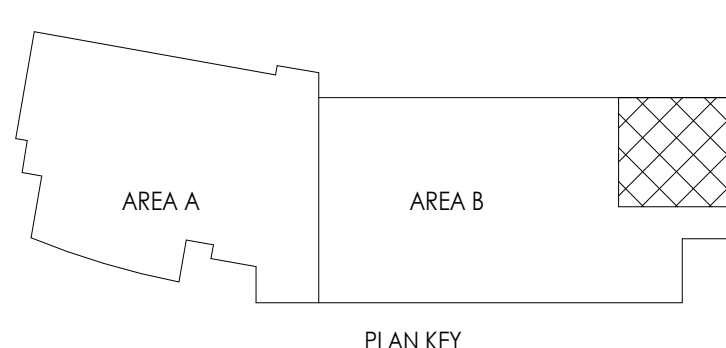
- a) Water Closets - Required (Existing) Provided (m) (f)
- b) Urinals - Required (Existing) Provided (m) (f)
- c) Lavatories - Required (Existing) Provided (m) (f)
- d) Bath Tubs or Showers: N/A
- e) Drinking Fountains: (Existing) Service Sinks:

**FOOTNOTES:**

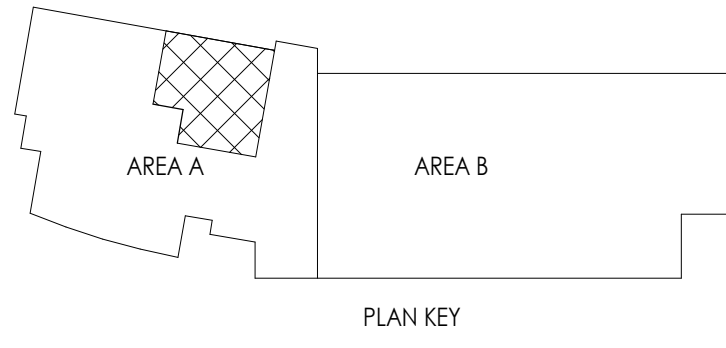
- In case of conflict with the U.S. Department of Justice Federal Registers Parts through V - ADA Guidelines and specific reference to the International Building Code Accessibility Chapters, the more restrictive requirement shall govern.
- Additional Code Information shall be provided at the discretion of the Building Official for Complex Buildings. Including, but not limited to:
  - a) High Rise Requirements.
  - b) Atriums.
  - c) Performance Based Criteria.
  - d) Means of Egress Analysis.
  - e) Fire Assembly Locator Sheet.
  - f) Exterior and Interior Accessibility Route.
  - g) Fire Stopping, Including Tested Design Number.
- IBC 2902.1.1 Fixture Calculations - Exception: OWTC has statistical data based upon student enrollment that shows that the number of females registering for cosmetology courses is higher than male students. Fixture count provided is base upon this data.



**C1 LEVEL 2 AREA B CODE**  
1/8" = 1'-0"



**A1 LEVEL 2 AREA A CODE**  
1/8" = 1'-0"







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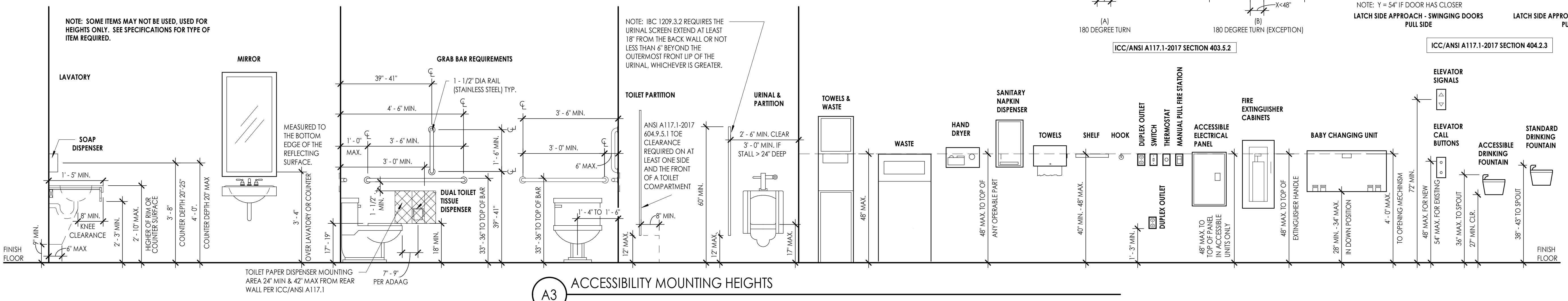
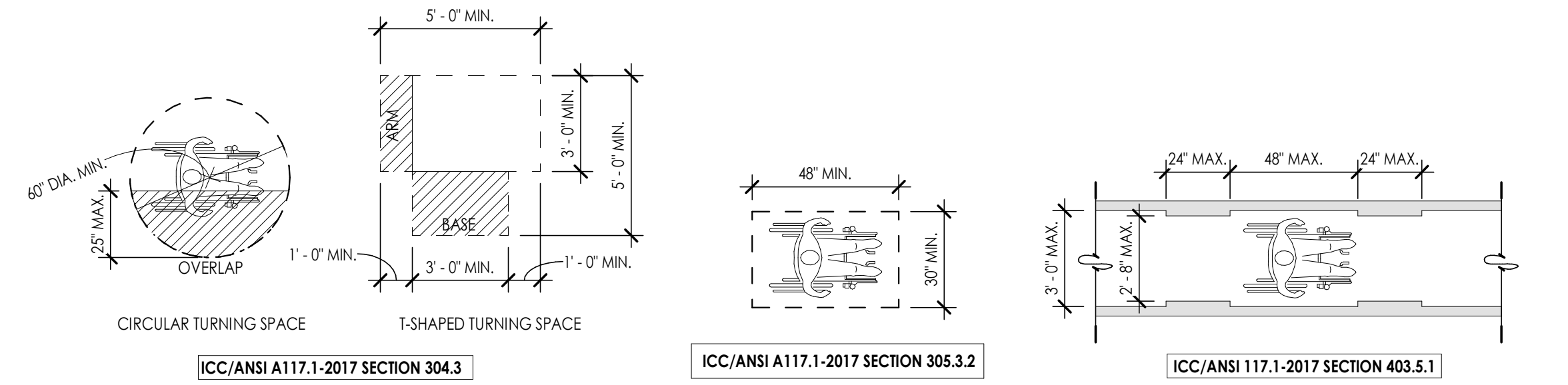
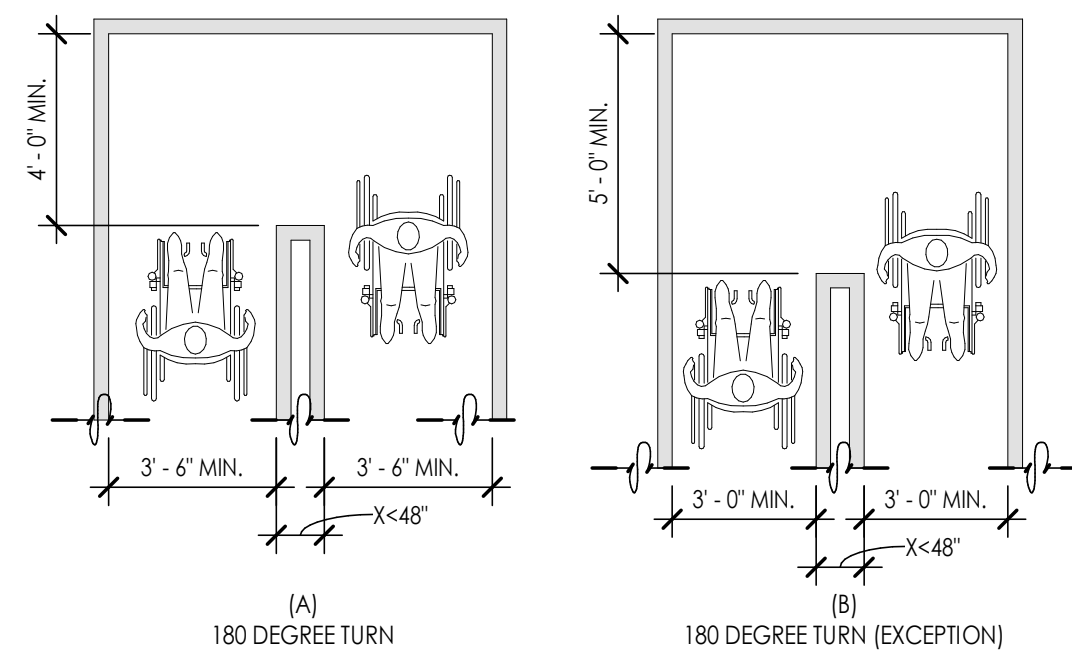
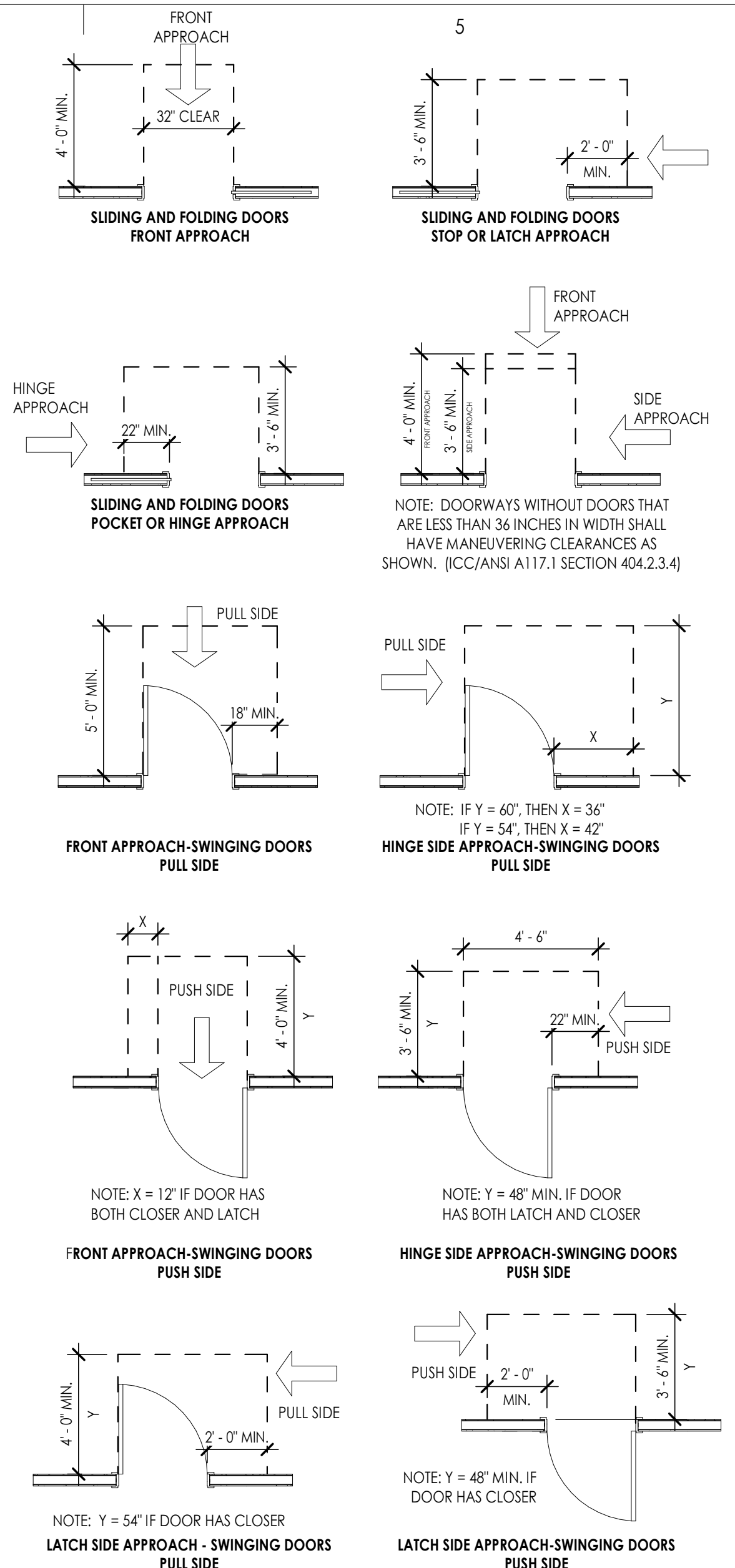
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ACCESSIBILITY DETAILS

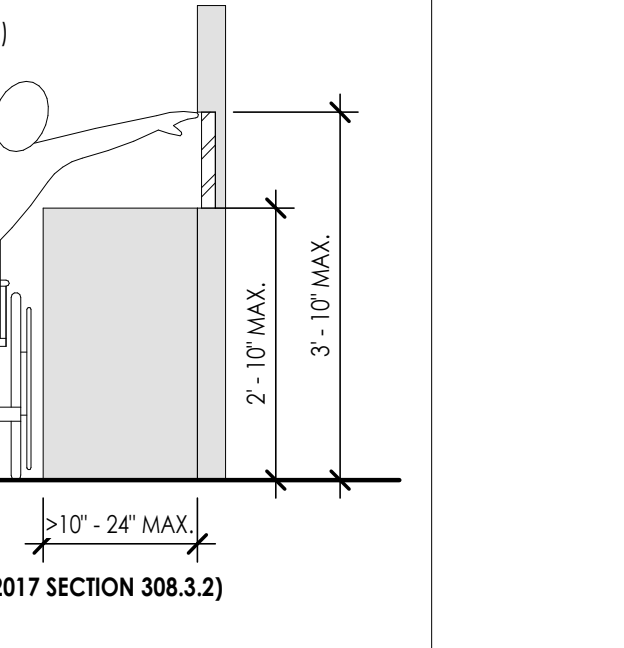
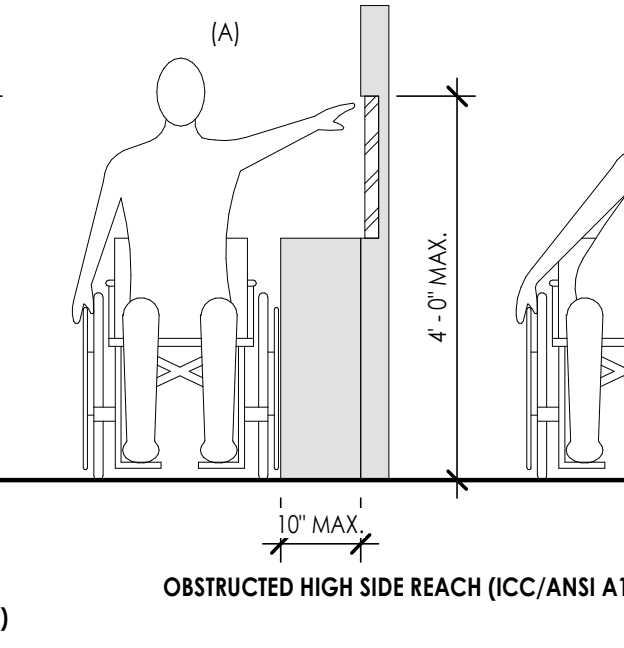
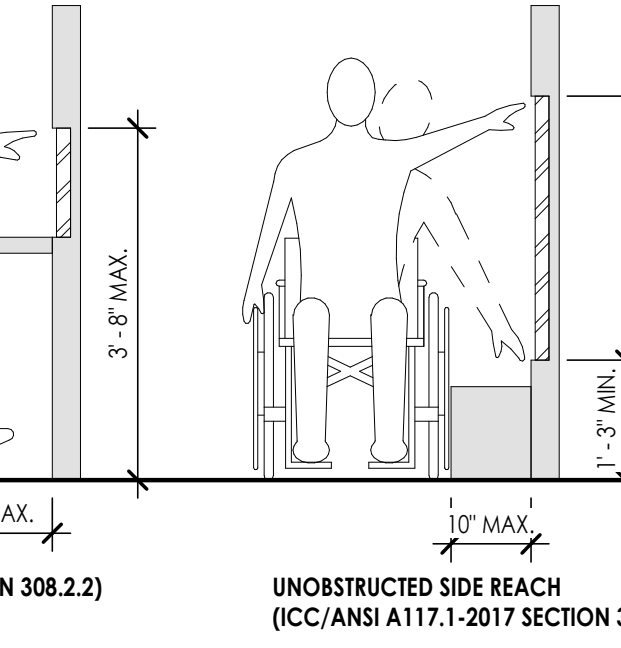
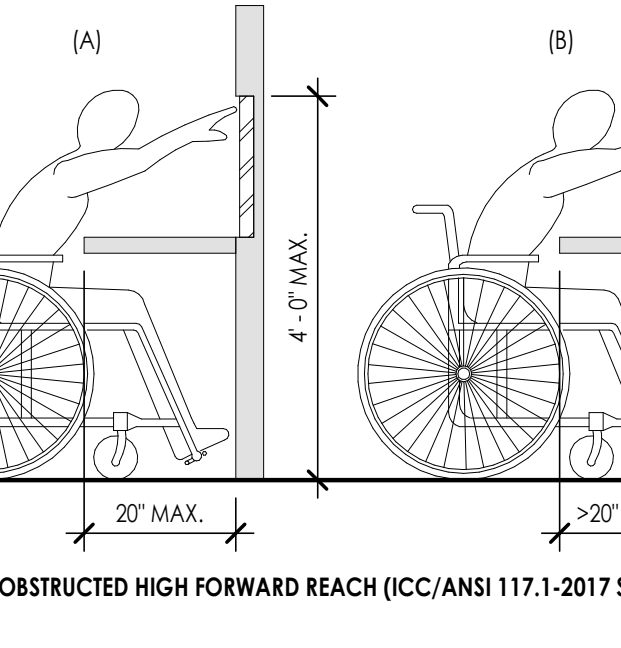
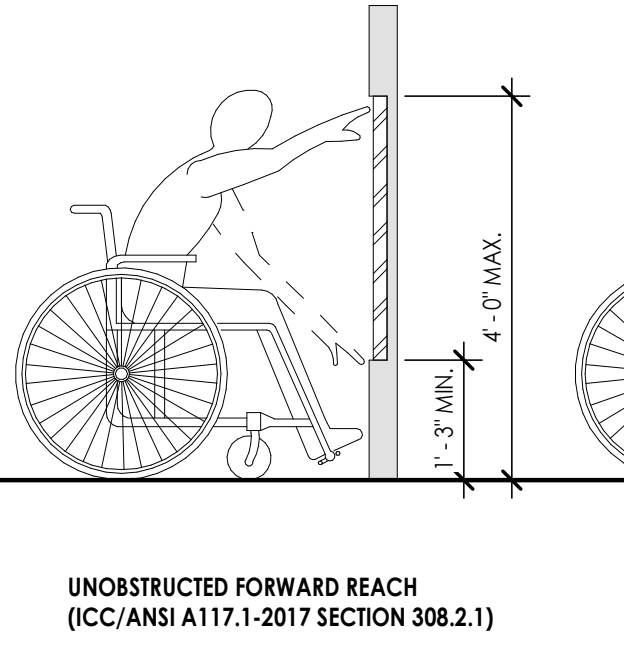
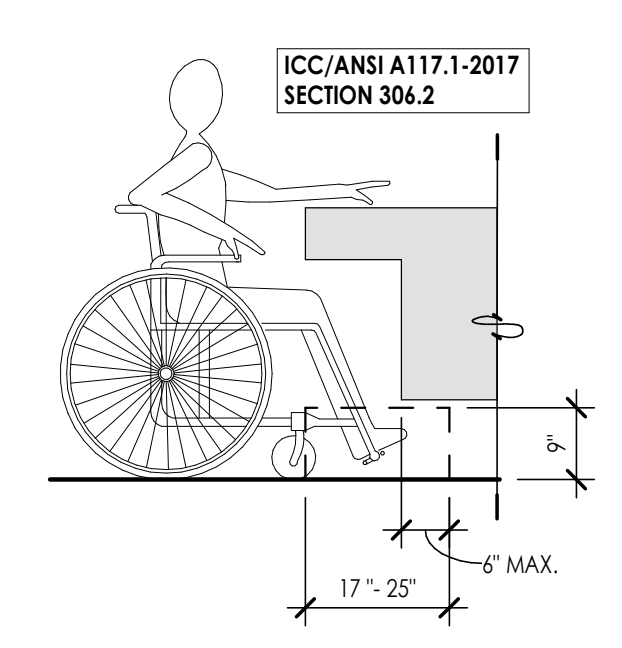
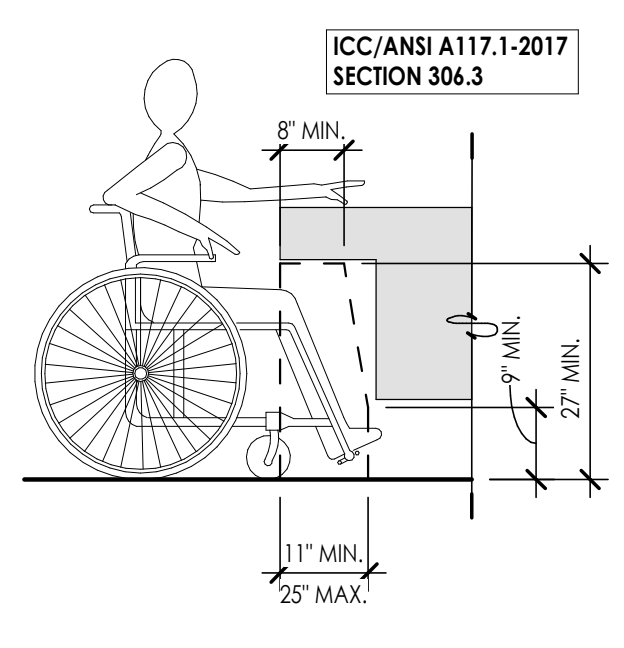
Sheet Number

**G1004**

DFCM approval



**A3 ACCESSIBILITY MOUNTING HEIGHTS**  
1/2" = 1'-0"



**B1** KNEE CLEARANCE REQUIREMENTS  
1/2" = 1'-0"

**B2** TOE CLEARANCE REQUIREMENTS  
1/2" = 1'-0"

**B3** REACH RANGES  
1/2" = 1'-0"

DFCM approval





Consultant

**OWTC HEALTH TECHNOLOGY  
PRACTICAL NURSING EXPANSION**

200 N. WASHINGTON BLVD.  
OGDEN, UT 84404

Project Name

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1	08/25/2020	DFCM PLAN REVIEW

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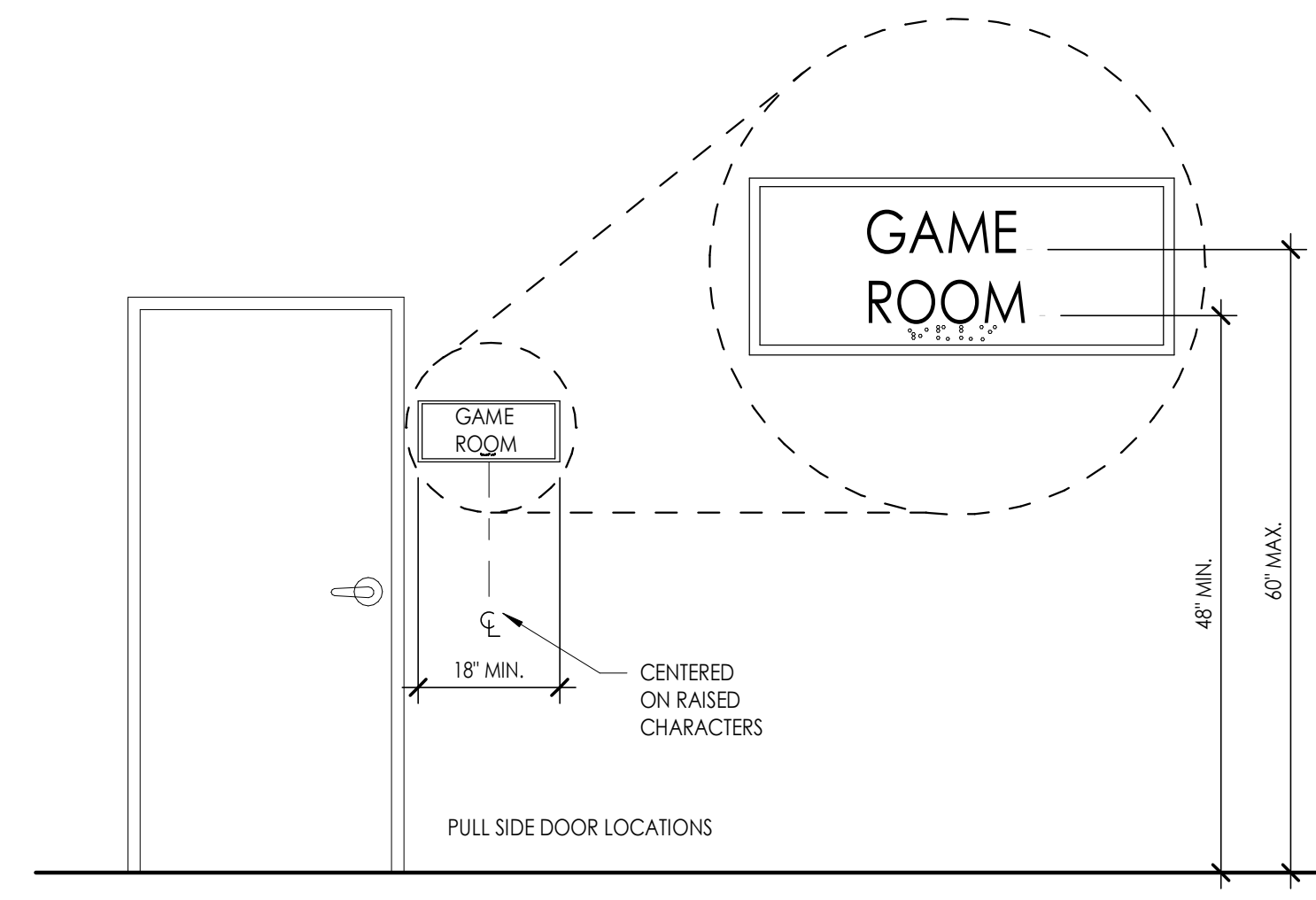
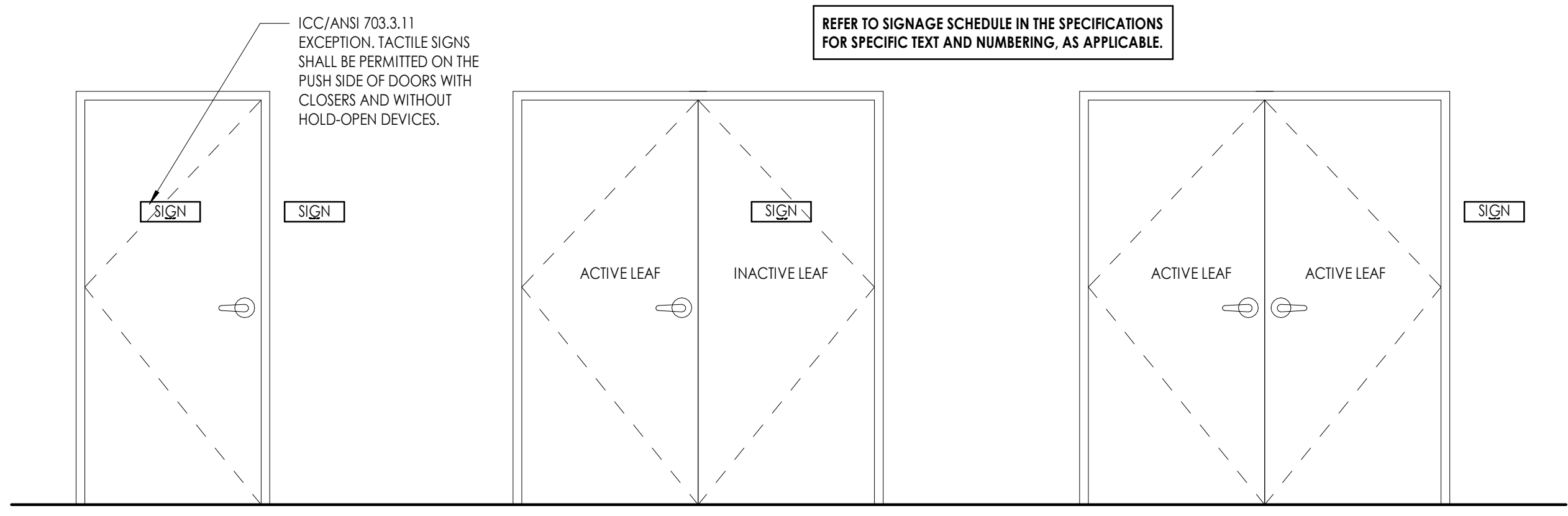
DFCM Project No. 21147240  
SAA Project No. 2020-16  
Drawing Title

**SIGNAGE TYPES AND  
DETAILS**

Sheet Number

**G1005**

DFCM approval



SIGN HEIGHT ABOVE THE FLOOR, TACTILE CHARACTERS SHALL BE 48 INCHES MINIMUM ABOVE THE FLOOR, MEASURED TO THE BASELINE OF THE LOWEST TACTILE CHARACTER AND 60 INCHES MAXIMUM ABOVE THE FLOOR, MEASURED TO THE BASELINE OF THE HIGHEST TACTILE CHARACTER. (ICC/ANSI 703.3.10)

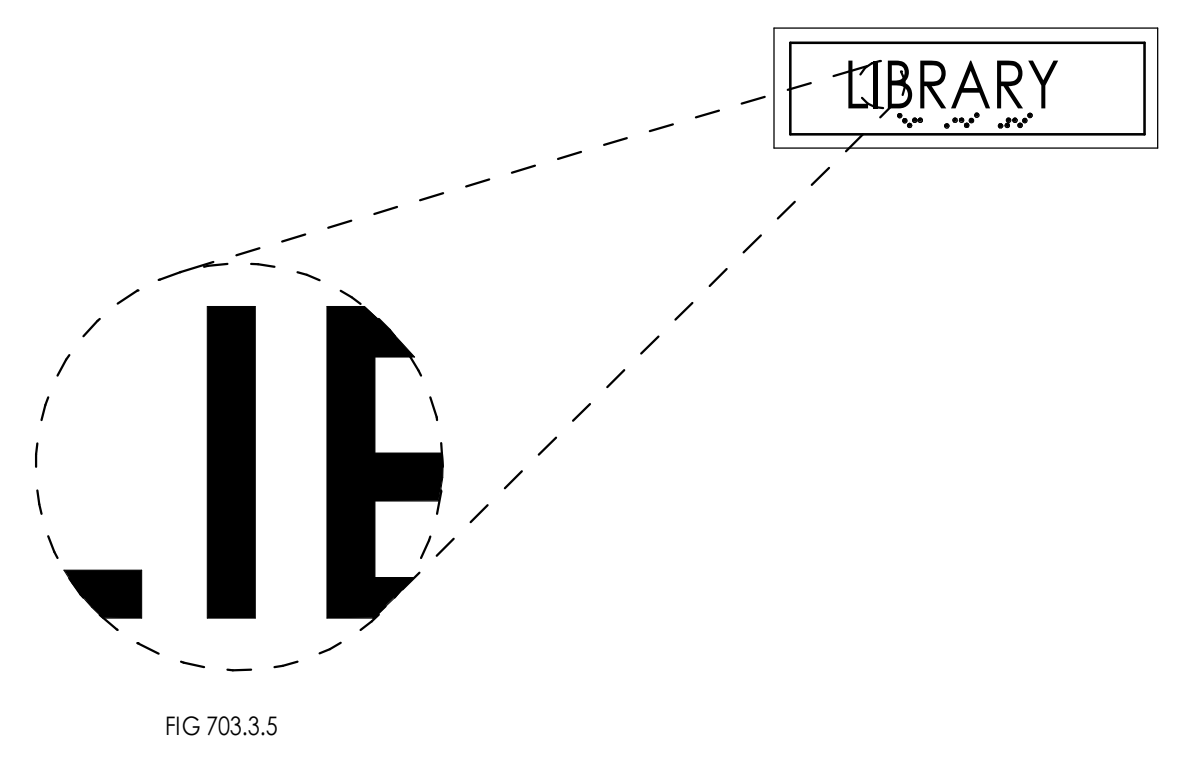
SIGN LOCATION, WHERE A TACTILE SIGN IS PROVIDED AT A DOOR, THE SIGN SHALL BE ALONGSIDE THE DOOR AT THE LATCH SIDE, WHERE A TACTILE SIGN IS PROVIDED AT DOUBLE DOORS WITH ONE ACTIVE LEAF, THE SIGN SHALL BE LOCATED ON THE INACTIVE LEAF, WHERE A TACTILE SIGN IS PROVIDED AT DOUBLE DOORS WITH TWO ACTIVE LEAVES, THE SIGN SHALL BE TO THE RIGHT OF THE RIGHT-HAND DOOR, WHERE THERE IS NO WALL SPACE ON THE LATCH SIDE OF A SINGLE DOOR, OR TO THE RIGHT SIDE OF DOUBLE DOORS, SIGNS SHALL BE ON THE NEAREST ADJACENT WALL. SIGNS CONTAINING TACTILE CHARACTERS SHALL BE LOCATED SO THAT A CLEAR FLOOR AREA 18 INCHES MINIMUM BY 18 INCHES MINIMUM, CENTERED ON THE TACTILE CHARACTERS, IS PROVIDED BEYOND THE ARC OF ANY DOOR SWING BETWEEN THE CLOSED POSITION AND 45 DEGREE OPEN POSITION. (ICC/ANSI 703.3.11)

**B4** SIGNAGE LOCATIONS  
1/2" = 1'-0"

ICC/ANSI A117.1-2017  
VISUAL CHARACTER HEIGHT  
TABLE 703.2.4

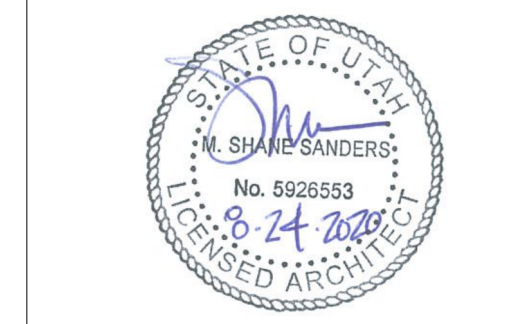
HEIGHT ABOVE FLOOR TO BASELINE OF CHARACTER	HORIZONTAL VIEWING DISTANCE	HORIZONTAL VIEWING DISTANCE
40 INCHES TO LESS THAN OR EQUAL TO 70 INCHES	LESS THAN 6 FEET	5/8" INCH
	6 FEET AND GREATER	5/8 INCH, PLUS 1/8 INCH PER FOOT OF VIEWING DISTANCE ABOVE 6 FEET
GREATER THAN 70 INCHES TO LESS THAN OR EQUAL TO 120 INCHES	LESS THAN 15 FEET	2 INCHES
	15 FEET AND GREATER	2 INCHES, PLUS 1/8 INCH PER FOOT OF VIEWING DISTANCE ABOVE 15 FEET
GREATER THAN 120 INCHES	LESS THAN 21 FEET	3 INCHES
	21 FEET AND GREATER	3 INCH, PLUS 1/8 INCH PER FOOT OF VIEWING DISTANCE ABOVE 21 FEET

703.2.4 CHARACTER HEIGHT. THE UPPERCASE LETTER "T" SHALL BE USED TO DETERMINE THE ALLOWABLE HEIGHT OF ALL CHARACTERS A FONT. THE HEIGHT OF THE UPPERCASE LETTER "T" OF THE FONT, MEASURED VERTICALLY FROM THE BASELINE OF THE CHARACTER, SHALL HAVE A MINIMUM HEIGHT COMPLYING WITH TABLE 703.2.4.



**A4** VISUAL CHARACTER HEIGHT  
1/2" = 1'-0"





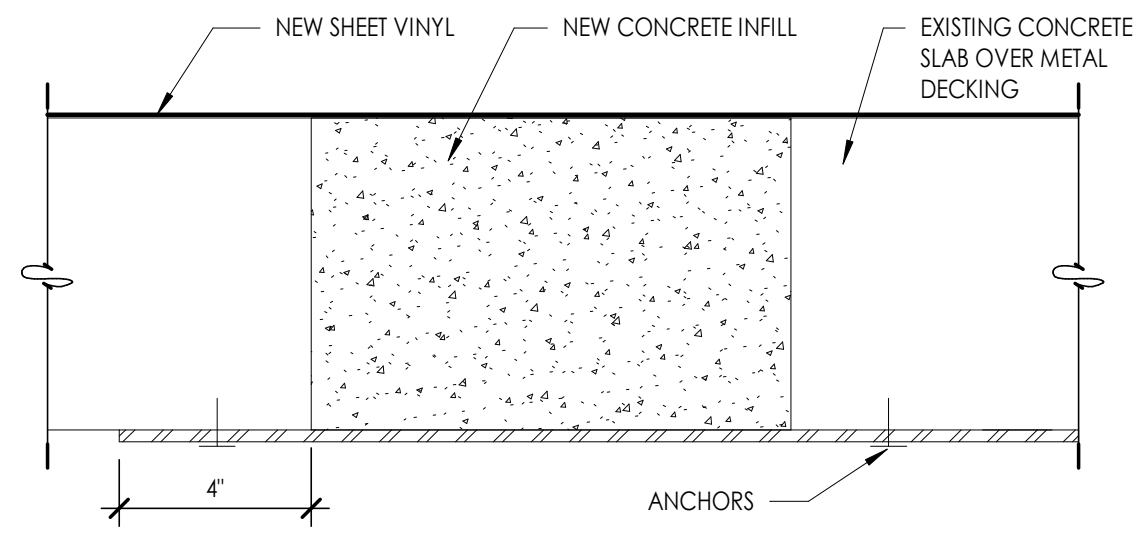
Consultant

**KEYED NOTES**

- D2.05 SLAVAGE AND RELOCATE ROW OF LOCKERS
- D2.09 OWTC TO REMOVE EXISTING AV CART
- D2.13 CUT VINYL FLOOR AND REMOVE VINYL BASE
- D2.14 REMOVE POWER BOX, REFER TO ELECTRICAL
- D2.15 CUT AND REMOVE VINYL AT NEW WALL LOCATION
- D2.16 REMOVE DESK, CUT VINYL FLOOR AND REMOVE VINYL BASE AS ADDITIVE ALTERNATE #2
- D2.17 EXISTING SHEET VINYL TO REMAIN
- D2.18 CUT AND PULL BACK VINYL TO ALLOW FOR COVED BASE ON RELOCATED LOCKERS
- D2.43 DEMO PARTIAL WALL FOR WINDOW INSTALLATION
- D2.45 DEMO EXISTING CASEWORK AS ALTERNATE #2
- D2.50 EXISTING CARPET TILES TO REMAIN UNDISTURBED

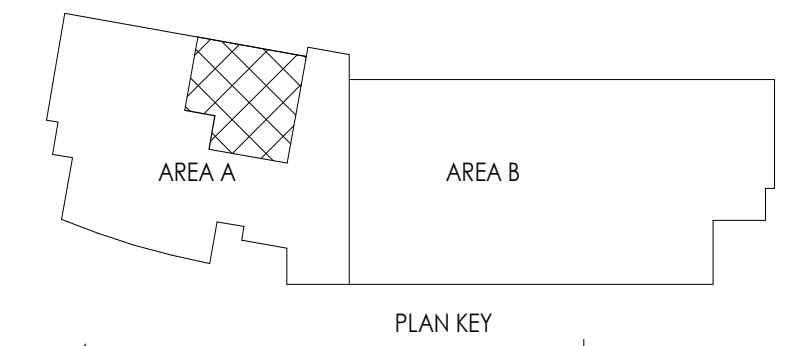
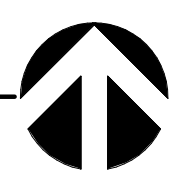
**GENERAL DEMOLITION NOTES**

1. THE CONTRACTOR TO INSTALL FLEXBOARD OVER ALL FLOOR MATERIAL TO REMAIN, TO PROTECT SURFACES FROM CONSTRUCTION DEBRIS AND PROJECT WORK. 45 MIL MINIMUM THICKNESS. TAPE ALL JOINTS. CLEAN CARPET IF NECESSARY AT COMPLETION OF CONSTRUCTION.
2. THE CONTRACTOR MUST FIELD VERIFY ALL DIMENSIONS AND CONDITIONS INCLUDING EXISTING UTILITIES PRIOR TO BIDDING AS THE LOCATIONS SHOWN IN THE DOCUMENTS ARE APPROXIMATED. ALL VARIANCES NOT SHOWN IN THE DRAWINGS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT PRIOR TO BID.
3. CONTRACTOR TO COORDINATE WITH ELECTRICAL, MECHANICAL AND FIRE PROTECTION PLANS FOR LOCATIONS OF ALL EXISTING AND NEW EQUIPMENT, SYSTEMS, AND DEVICES.
4. AS SOME DEMOLITION WORK WILL BE SPECIFIC TO DIVISION 22, 23, 26, THE CONTRACTOR SHALL CROSS REFERENCE WITH ELECTRICAL AND MECHANICAL PLANS FOR ADDITIONAL DEMOLITION WHICH IS REQUIRED, BUT NOT REFLECTED ON ARCHITECTURAL DRAWINGS.
5. INTERIOR WALLS AND PARTITIONS TO REMAIN, UNLESS OTHERWISE INDICATED. (PROTECT FROM DAMAGE).
6. CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO PROTECT THE EXISTING STRUCTURE, FINISHES, AND SITE ELEMENTS NOT CALLED FOR DEMOLITION DURING REMODEL OF WALLS, FLOORING MATERIAL, CASEWORK, DOORS, WINDOWS, CEILINGS, AND SITE.
7. ALL EXISTING INTERIOR FINISHES, MATERIALS, STRUCTURE, SYSTEMS, LANDSCAPING, AND SITE FEATURES, ETC., NOT IDENTIFIED FOR DEMOLITION THAT ARE DAMAGED DURING THE PROCESS OF CONSTRUCTION SHALL BE RESTORED TO THEIR ORIGINAL CONDITION OR REPLACED TO MATCH AT THE CONTRACTORS EXPENSE.
8. CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL FLOORING, WALLS, & CEILING SYSTEMS AS SHOWN ON THE DRAWINGS.
9. ALL EXISTING FINISHED SURFACES DAMAGED DUE TO WORK UNDER THIS CONTRACT SHALL BE PATCHED & FINISHED TO MATCH EXISTING ADJACENT SURFACES.
10. PATCH & LEVEL EXISTING CONCRETE SLABS AS REQUIRED FOR NEW FINISHES WITH FLOOR LEVELING COMPOUND AS APPROVED BY ARCHITECT.
11. THE GENERAL CONTRACTOR SHALL BRING TO THE ATTENTION OF THE ARCHITECT FOR IMMEDIATE RESOLUTION, ANY CODE VIOLATIONS, INCORRECT CONSTRUCTIONS OR SAFETY PROBLEMS THAT ARE EXISTING FIELD CONDITIONS.
12. THE GENERAL CONTRACTOR IS RESPONSIBLE TO COORDINATE SCOPE IN REMODEL AS INDICATED ON ALL ARCHITECTURAL, ELECTRICAL, MECHANICAL, AND FIRE PROTECTION SHEETS AND COORDINATE AND PROVIDE DEMOLITION AS NEEDED. WORK AS DESCRIBED FOR REMODEL THAT IS IN CONFLICT WITH EXISTING CONDITIONS IS TO BE BROUGHT TO THE ATTENTION OF ARCHITECT PRIOR TO DEMOLITION.



**B5 FLOOR DETAIL**  
3' = 1'-0"

**LEVEL 2 AREA A DEMO PLAN**  
3/16" = 1'-0"



Project Name: **OWTC HEALTH TECHNOLOGY PRACTICAL NURSING EXPANSION**  
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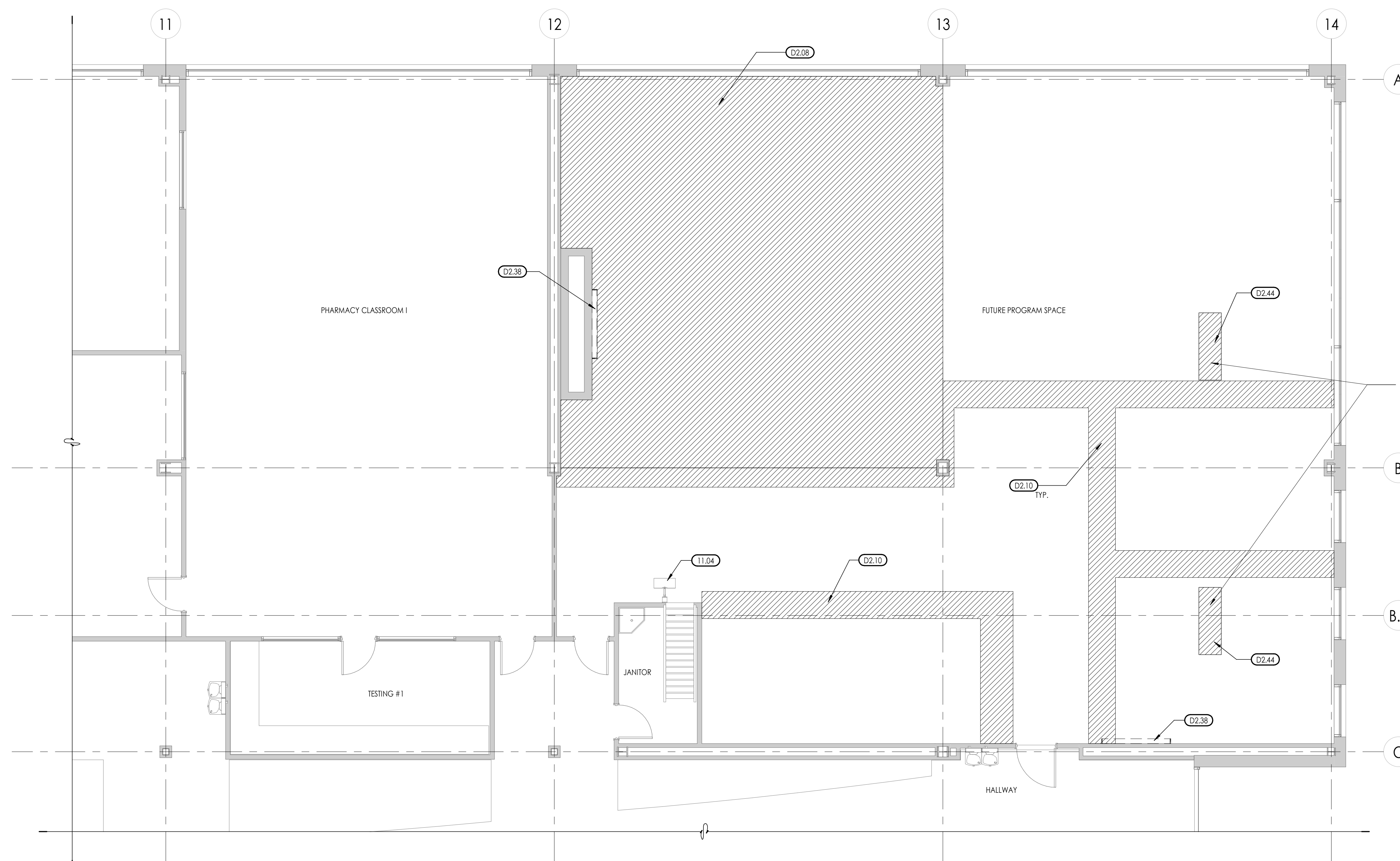
DFCM Project No. 21147240  
SAA Project No. 2020-16  
Drawing Title

**DEMOLITION FLOOR PLAN LEVEL 2 AREA A**

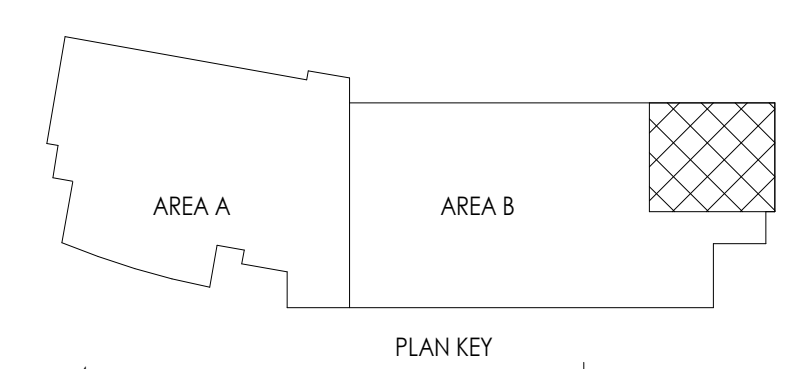
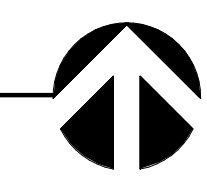
Sheet Number  
**AD101**

DFCM approval





LEVEL 2 AREA B DEMO PLAN  
3/16" = 1'-0"



- KEYED NOTES**
- 11.04 EXISTING CLOCK-IN STATION TO REMAIN
  - D2.08 SALVAGE EXISTING CARPET TILES, OWTC TO RETAIN FOR FUTURE USE - DO NOT DISCARD
  - D2.10 REMOVE EXISTING CARPET AND REINSTALL AT ALL NEW WALL LOCATIONS
  - D2.38 REMOVE EXISTING PROJECTOR SCREEN, PATCH AND PAINT GYP. BD. AS REQUIRED
  - D2.44 REMOVE AND REPLACE ALL SOILED CARPET TILES WITH SALVAGED CARPET TILES

- GENERAL DEMOLITION NOTES**
1. THE CONTRACTOR TO INSTALL FLEXBOARD OVER ALL FLOOR MATERIAL TO REMAIN, TO PROTECT SURFACES FROM CONSTRUCTION DEBRIS AND PROJECT WORK. 45 MIL MINIMUM THICKNESS. TAPE ALL JOINTS. CLEAN CARPET IF NECESSARY AT COMPLETION OF CONSTRUCTION.
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  7. ALL EXISTING INTERIOR FINISHES, MATERIALS, STRUCTURE, SYSTEMS, LANDSCAPING, AND SITE FEATURES, ETC., NOT IDENTIFIED FOR DEMOLITION THAT ARE DAMAGED DURING THE PROCESS OF CONSTRUCTION SHALL BE RESTORED TO THEIR ORIGINAL CONDITION OR REPLACED TO MATCH AT THE CONTRACTOR'S EXPENSE.
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  12. THE GENERAL CONTRACTOR IS RESPONSIBLE TO COORDINATE SCOPE IN REMODEL AS INDICATED ON ALL ARCHITECTURAL, ELECTRICAL, MECHANICAL, AND FIRE PROTECTION SHEETS AND COORDINATE AND PROVIDE DEMOLITION AS NEEDED. WORK AS DESCRIBED FOR REMODEL THAT IS IN CONFLICT WITH EXISTING CONDITION IS TO BE BROUGHT TO THE ATTENTION OF ARCHITECT PRIOR TO DEMOLITION.



Consultant

**OWTC HEALTH TECHNOLOGY  
PRACTICAL NURSING EXPANSION**

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OGDEN, UT 84404

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DEMOLITION FLOOR  
PLAN LEVEL 2 AREA B

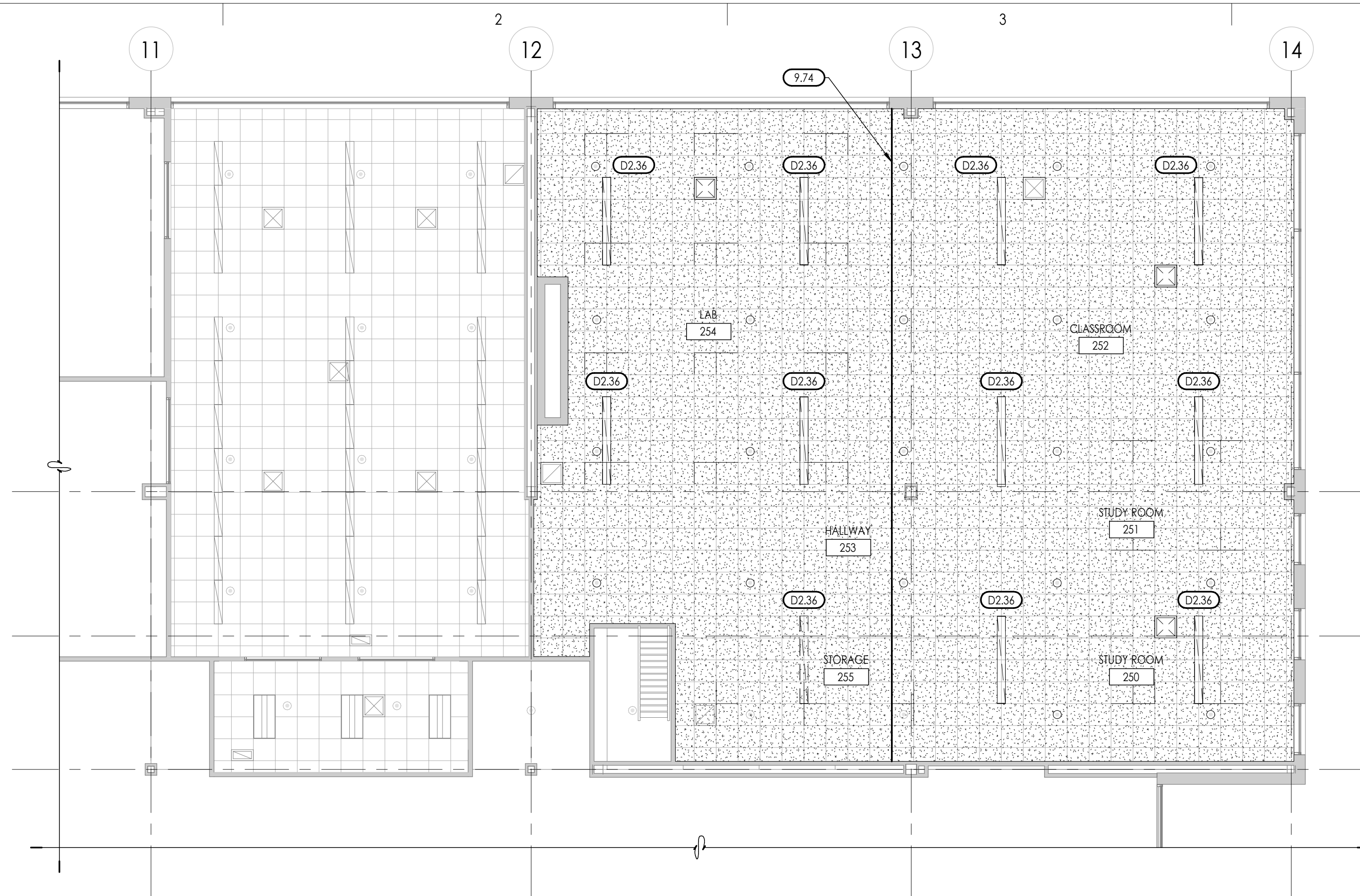
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**AD102**



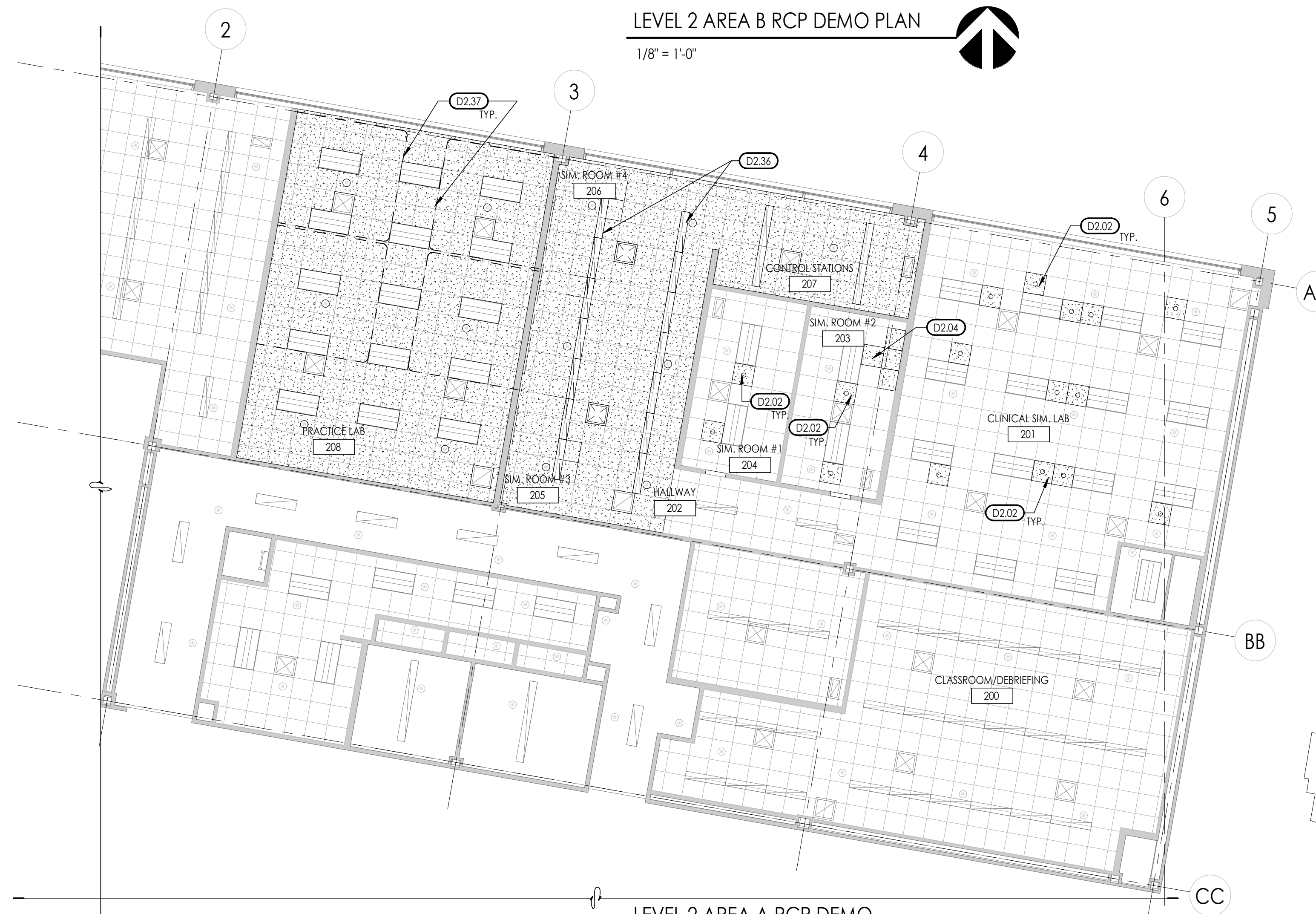
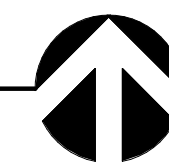
DFCM approval





LEVEL 2 AREA B RCP DEMO PLAN

1/8" = 1'-0"



LEVEL 2 AREA A RCP DEMO PLAN

1/8" = 1'-0"



**CEILING LEGEND**

TYPE A  
 EXISTING 2' X 2' LAY-IN ACOUSTICAL TILE IN SUSPENDED GRID TO REMAIN UNDISTURBED

TYPE A  
 REMOVE 2' X 2' LAY-IN ACOUSTICAL TILE IN SUSPENDED GRID, SALVAGE AND REUSE AS MANY CEILING TILES AS POSSIBLE

**CEILING SYMBOLS**

**ELECTRICAL**

2' X 4' LED FIXTURE

1' X 4' LED FIXTURE

STRIP FIXTURE

RECESSED DOWN LIGHT

EXIT SIGN, SINGLE-SIDED

EXIT SIGN, DOUBLE-SIDED

**MECHANICAL**

RETURN GRILLE

SUPPLY GRILLE

EXHAUST GRILLE

SPRINKLERHEAD-CEILING MOUNT

**CLG. TYPE**  
 CLG. TYPE

**CLG. HEIGHT**  
 CLG. HEIGHT

**PLAN KEY**

**KEYED NOTES**

9.74 REMOVE EXISTING CEILING EXPANSION JOINT AT GRID

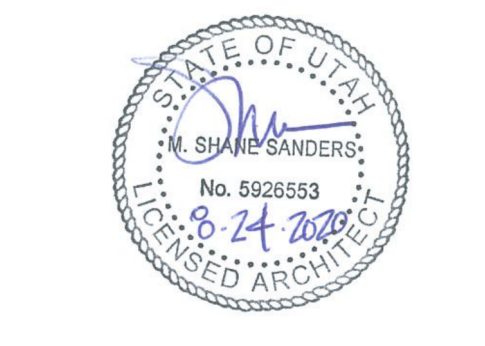
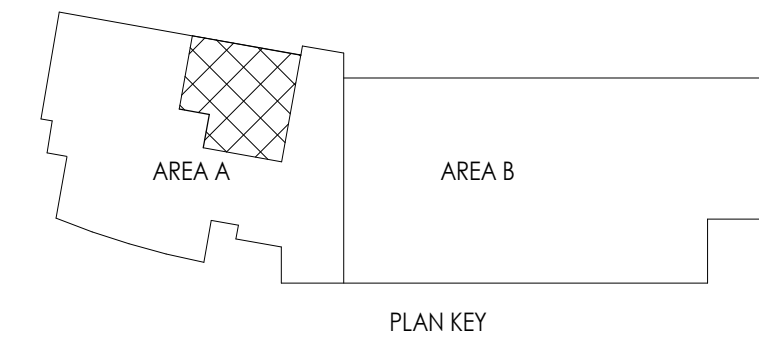
D2.02 REMOVE DAMAGED CEILING TILES. REPLACE WITH NEW TILES TO MATCH EXISTING

D2.04 REPLACE SOILED CEILING TILE WITH NEW TILES TO MATCH EXISTING

D2.36 REMOVE EXISTING LIGHT FIXTURES, REFER TO ELECTRICAL

D2.37 REMOVE EXISTING SURFACE MOUNTED CUBICLE CURTAIN AS ADDITIVE ALTERNATE #1. REPLACE ANY DAMAGED CEILING GRID AND/OR DAMAGED CEILING TILES TO MATCH EXISTING

- GENERAL DEMOLITION NOTES**
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DFCM Project No. 21147240  
 SAA Project No. 2020-16  
 Drawing Title

DEMOLITION REFLECTED  
 CEILING PLAN

Sheet Number

**AD103**

DFCM approval

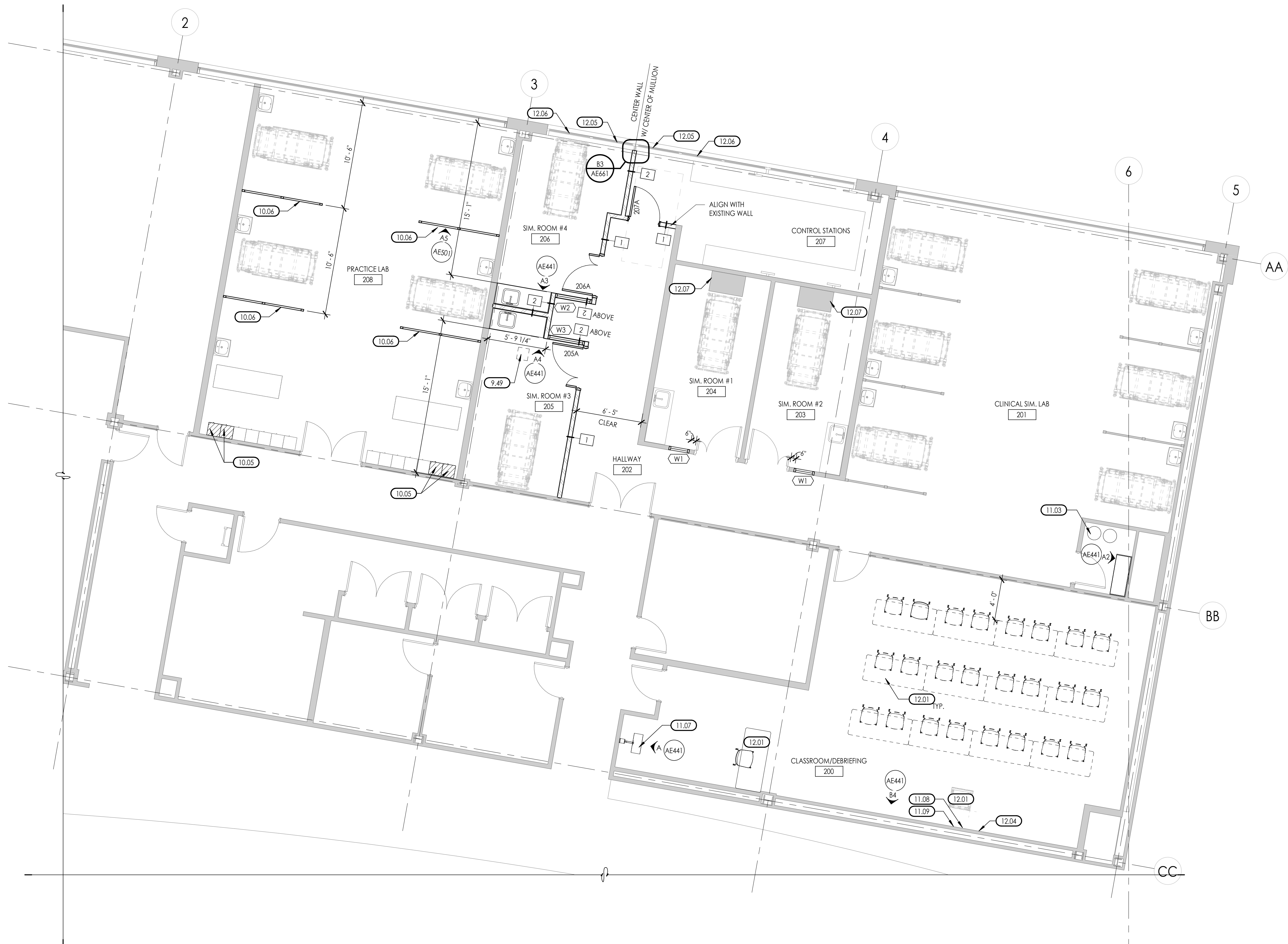


KEYED NOTES

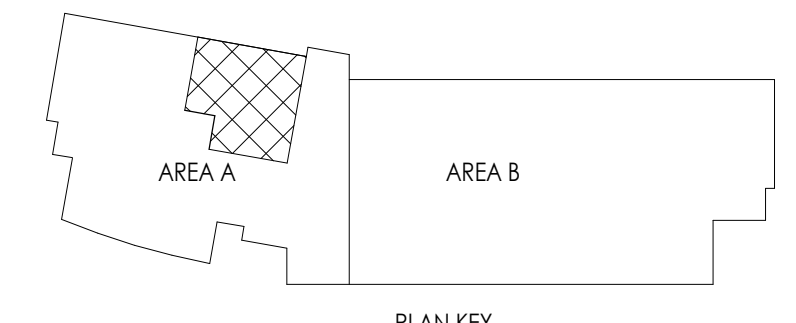
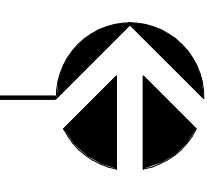
- 9.49 PATCH CONCRETE FOR NEW FLOORING, REFER TO DETAIL B5/AD101
- 10.05 LOCKERS RELOCATED FROM AREA A - HALL 202. INSTALL NEW 1X PLATFORM. COVE BASE TO MATCH EXISTING
- 10.06 NEW FIXED PARTITION (WHITEBOARD PROVIDED BY OWNER) - ALTERNATE #1
- 11.03 EXISTING TANKS TO REMAIN/REFER TO MECHANICAL
- 11.07 CLOCK-IN STATION. POWER & DATA REQ'D.
- 11.08 PROJECTOR SCREEN. REFER TO ELECTRICAL
- 11.09 CLOSED CIRCUIT TV. REFER TO ELECTRICAL
- 12.01 FURNITURE BY OWNER
- 12.04 WHITEBOARD. PROVIDED BY OWNER
- 12.05 EXISTING BLINDS TO REMAIN. TRIM IF NECESSARY
- 12.06 EXISTING BLINDS TO REMAIN UNDISTURBED
- 12.07 EXISTING HEAD CABINET TO REMAIN



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LEVEL 2 AREA A  
3/16" = 1'-0"



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Drawing Title

LEVEL 2 AREA A

Sheet Number

**AE102**

DFCM approval

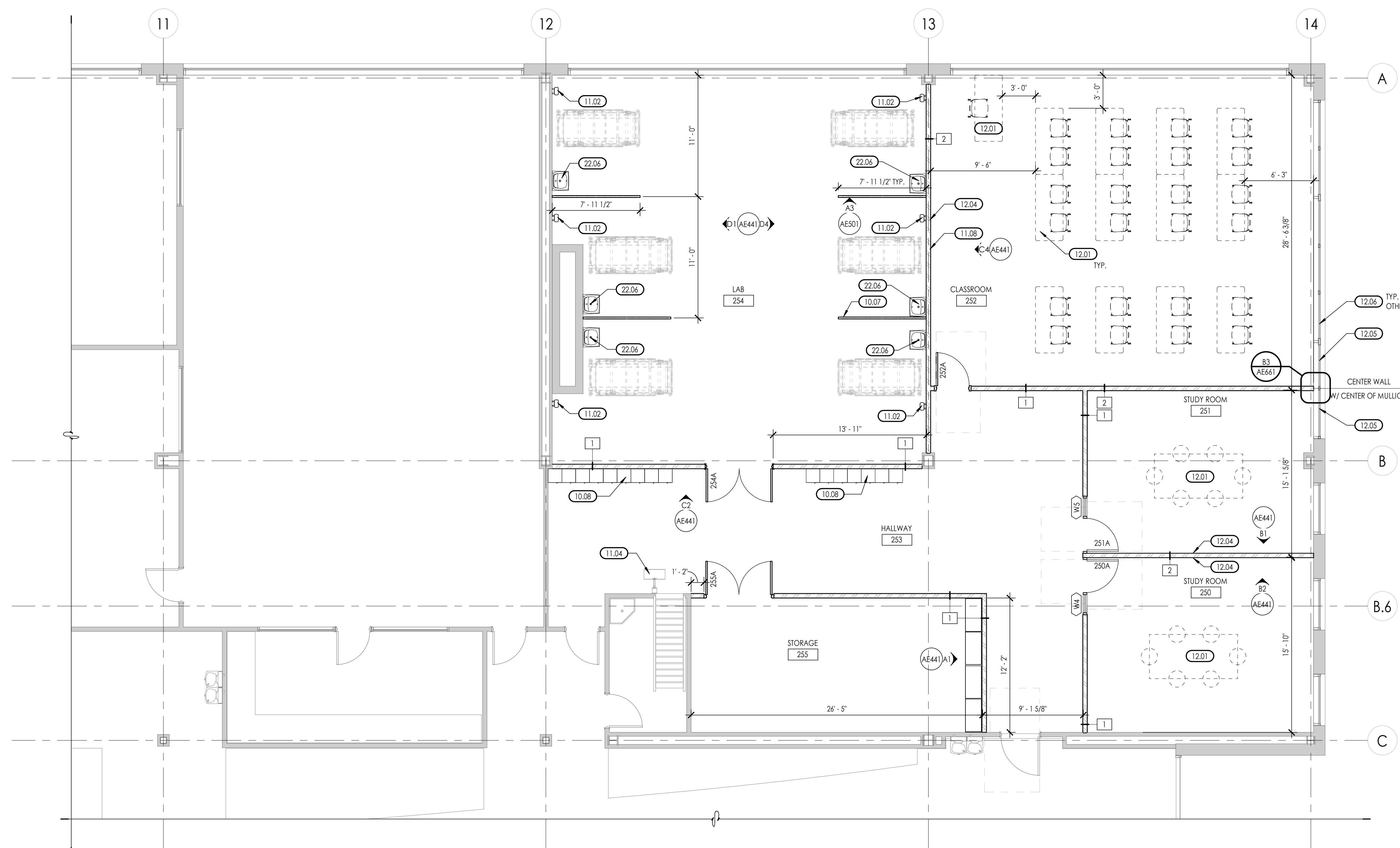


KEYED NOTES

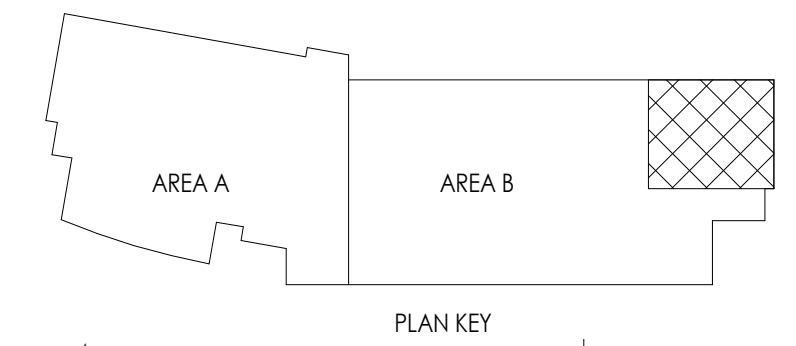
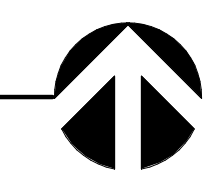
- 10.07 NEW FIXED SCREEN PARTITION. SEE SHEET AE501
- 10.08 LOCKERS RELOCATED FROM AREA A - HALL 202. INSTALL NEW IX PLATFORM, RUBBER BASE AS SCHEDULED
- 11.02 LOGGING STATION, PROVIDED BY OWNER
- 11.04 EXISTING CLOCK-IN STATION TO REMAIN
- 11.08 PROJECTOR SCREEN, REFER TO ELECTRICAL
- 12.01 FURNITURE BY OWNER
- 12.04 WHITEBOARD, PROVIDED BY OWNER
- 12.05 EXISTING BLINDS TO REMAIN, TRIM IF NECESSARY
- 12.06 EXISTING BLINDS TO REMAIN UNDISTURBED
- 22.06 NEW SINK, REFER TO PLUMBING



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LEVEL 2 AREA B  
3/16" = 1'-0"



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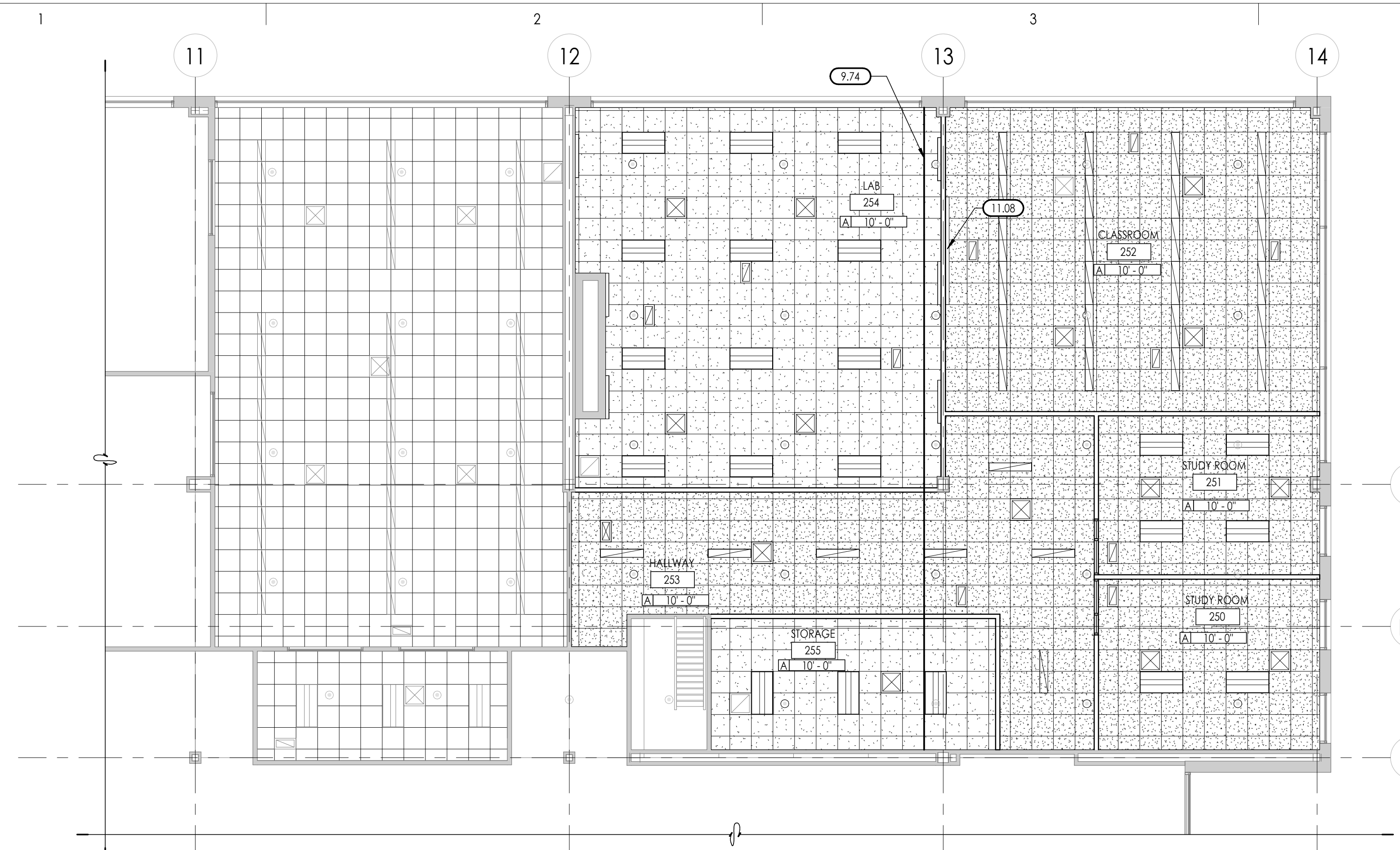
LEVEL 2 AREA B

Sheet Number

**AE103**

DFCM approval





LEVEL 2 AREA B RCP  
1/8" = 1'-0"



LEVEL 2 AREA A RCP  
1/8" = 1'-0"

**KEYED NOTES**

- 9.74 REMOVE EXISTING CEILING EXPANSION JOINT AT GRID
- 9.75 EXISTING CUBICLE CURTAIN MOUNT
- 11.08 PROJECTOR SCREEN, REFER TO ELECTRICAL
- 11.09 CLOSED CIRCUIT TV, REFER TO ELECTRICAL
- 26.02 NEW CAMERA, REFER TO ELEC

\*NOTE - SALVAGE AND REUSE AS MANY CEILING TILES AS POSSIBLE

**CEILING LEGEND**

TYPE A 2' X 2' LAY-IN ACOUSTICAL TILE IN SUSPENDED GRID

TYPE B 2' X 2' LAY-IN ACOUSTICAL TILE IN SUSPENDED GRID, SALVAGED & REPLACED

TYPE C 2' X 2' LAY-IN ACOUSTICAL TILE IN SUSPENDED GRID, NEW

**CEILING SYMBOLS**

**ELECTRICAL**

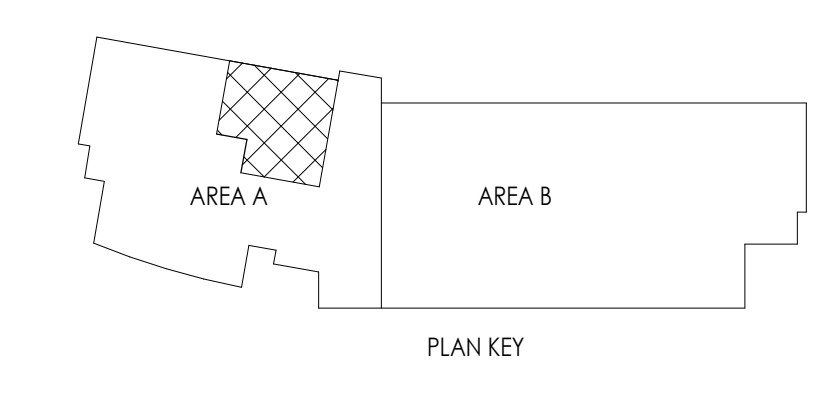
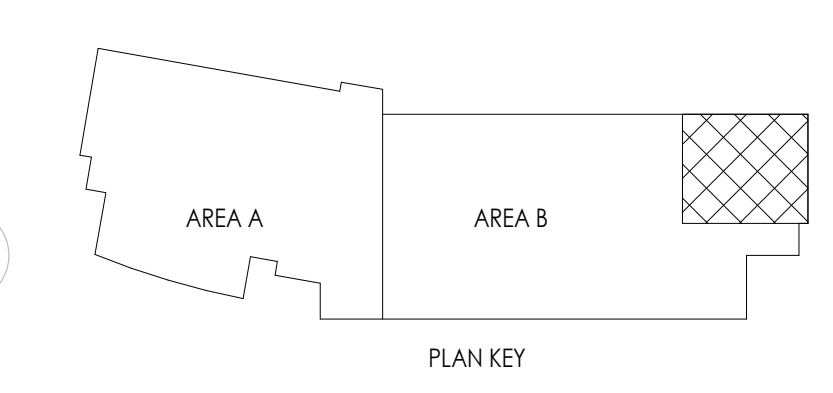
- 2'X4' LED FIXTURE
- 1'X4' LED FIXTURE
- STRIP FIXTURE

**MECHANICAL**

- RETURN GRILLE
- SUPPLY GRILLE
- EXHAUST GRILLE
- SPRINKLERHEAD-CEILING MOUNT (MOVE AS REQUIRED TO MEET CODE), REFER TO SPEC.

**GENERAL CEILING NOTES**

- GRID SUSPENSION SYSTEMS SHALL BE CENTERED WITHIN AREAS INDICATED, UNLESS NOTED OTHERWISE.
- PAINT ALL EXPOSED STRUCTURE, MECHANICAL, DUCTS, ELECTRICAL WORK, PIPING, ETC.
- REFER TO ARCHITECTURAL DRAWINGS FOR LOCATION OF MECHANICAL GRILLES, AND TO MECHANICAL DRAWINGS FOR QUANTITIES AND TYPES.
- REFER TO ARCHITECTURAL DRAWINGS FOR LOCATIONS OF LIGHT FIXTURES AND TO ELECTRICAL DRAWINGS FOR QUANTITY AND TYPES.
- MECHANICAL AND ELECTRICAL CONTRACTORS TO COORDINATE WORK WITH SPRINKLER CONTRACTOR TO AVOID CONFLICTS IN FIELD.
- ALL CEILING HEIGHTS ARE ELEVATION ABOVE TOP OF CONCRETE FLOOR SLAB.



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**OWTC HEALTH TECHNOLOGY  
PRACTICAL NURSING EXPANSION**  
 200 N. WASHINGTON BLVD.  
 OGDEN, UT 84404

Project Name

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1	08/25/2020	DFCM PLAN REVIEW

Revision

No.	Date	Description
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DFCM Project No. 21147240  
SAA Project No. 2020-16  
Drawing Title

REFLECTED CEILING PLAN

Sheet Number

**AE141**



DFCM approval









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**OWTC HEALTH TECHNOLOGY  
PRACTICAL NURSING EXPANSION**

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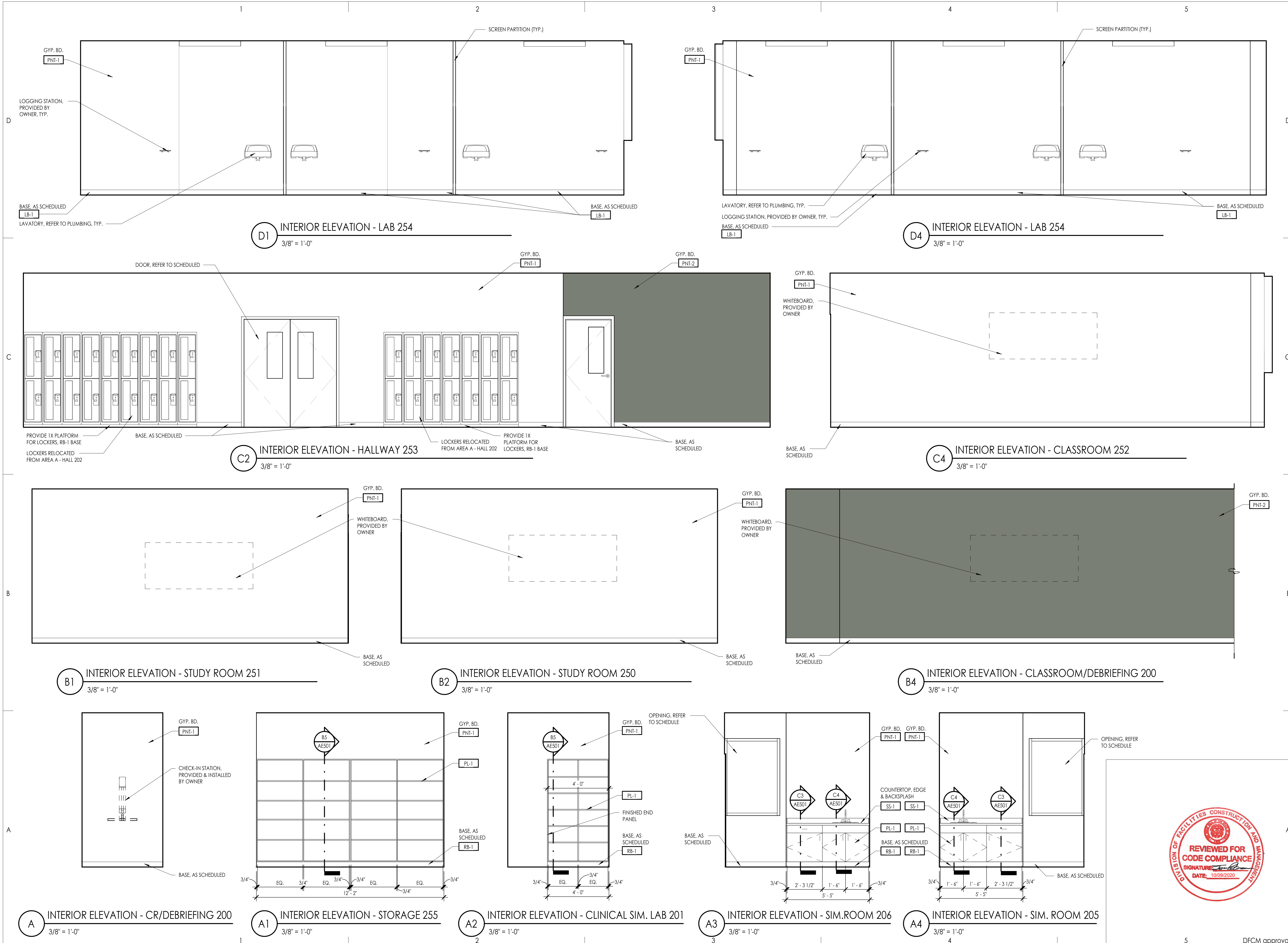
INTERIOR ELEVATIONS

Sheet Number

**AE441**



5 DFCM approval



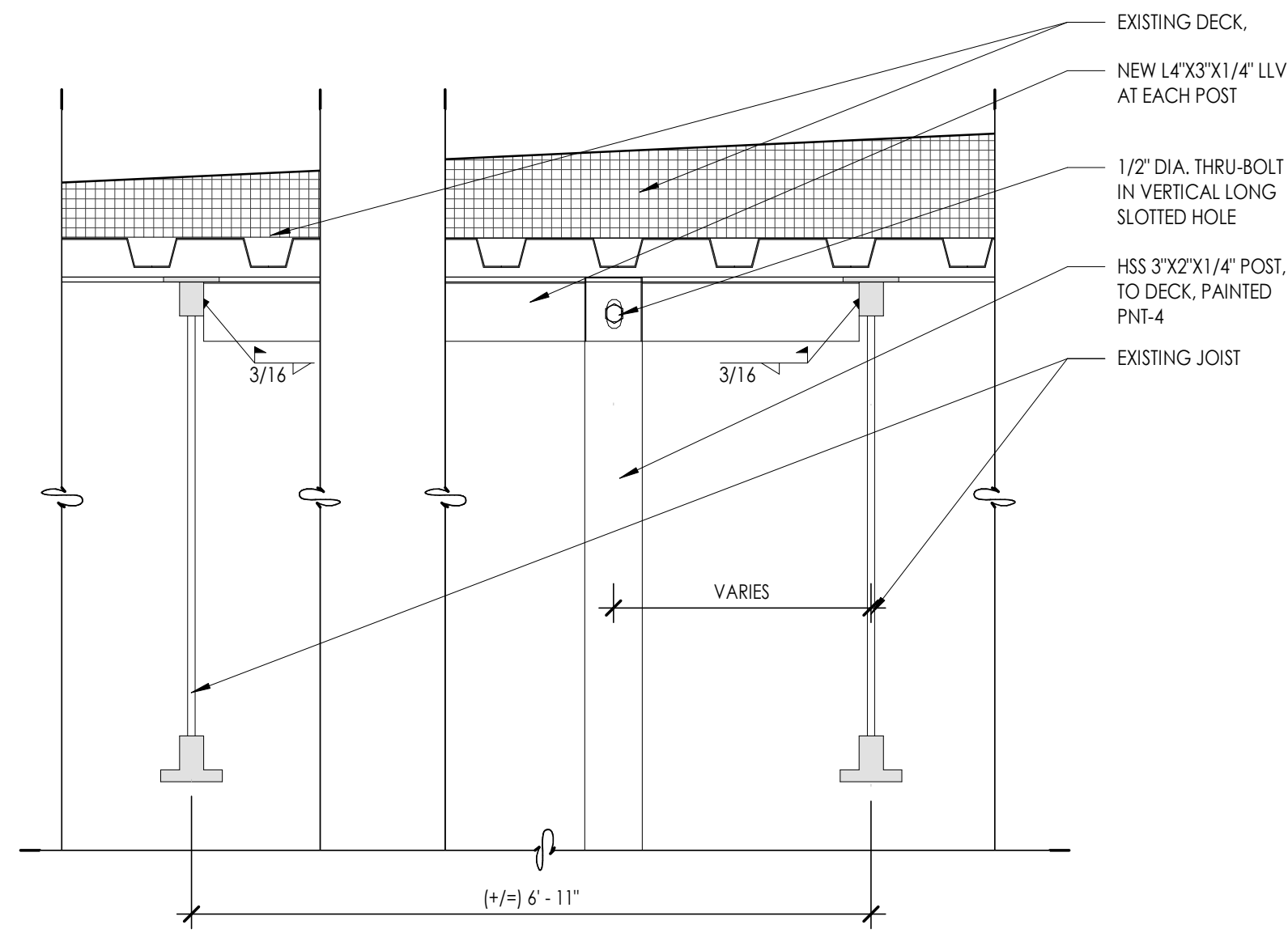




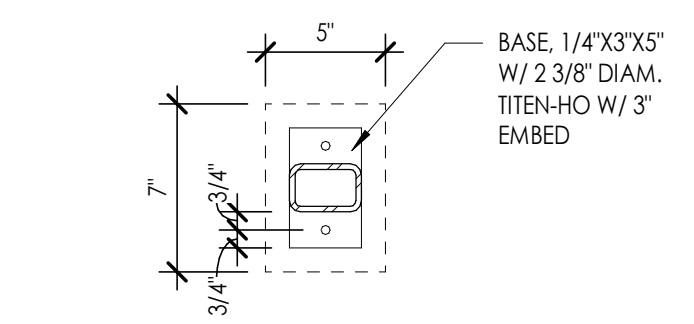
Consultant

**GENERAL MILLWORK NOTES**

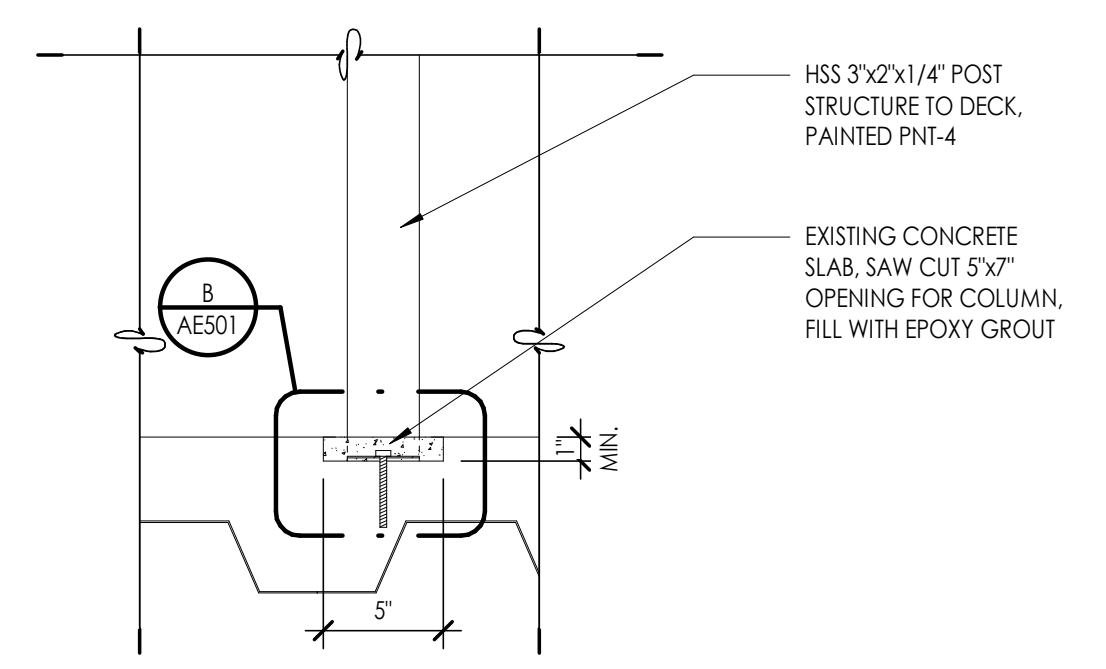
- GENERAL NOTE: WALL MOUNTED MECHANICAL AND ELECTRICAL DEVICES, SUCH AS, BUT NOT LIMITED TO: POWER, DATA, AV OUTLETS, HORNSTROBE, SWITCHES, CO2 SENSORS, AND THERMOSTATS, ARE TO BE INSTALLED AS LOCATED ON THE ARCHITECTURAL ELEVATIONS. MECHANICAL AND ELECTRICAL CONTRACTORS ARE TO COORDINATE WITH STUD FRAMING PRIOR TO ROUGH-IN TO ENSURE PRECISE LOCATIONS. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR TYPE AND QUANTITY. WHERE NOT INDICATED REFER TO ADA MOUNTING HEIGHTS FOR MOUNTING LOCATION GUIDELINES.
1. ALL MILL WORK DIMENSIONED FROM BASE TO TOP OF IDENTIFIED COUNTERTOP, TYP.
  2. CABINET DEPTHS IS MEASURED FROM THE WALL TO THE FACE OF THE DOOR OR DRAWER FRONT (WHERE APPLICABLE)
  3. PROVIDE BASE AT ALL CABINET TOE SPACE, UNLESS NOTED OTHERWISE
  4. PROVIDE GROMMET WHERE "G" IS LABELED ON PLANS OR ELEVATIONS
  5. ALL COUNTERTOPS AT SINK LOCATIONS TO HAVE A 4" BACKSPLASH, UNLESS NOTED OTHERWISE TO MATCH COUNTERTOP, ON BACK SIDE WALLS
  6. PROVIDE FILLER PANELS TO SEAL SIDES AND TOPS OF ALL CABINETS PLACES AT AN ANGLE TO ADJACENT WALL
  7. ALL MILLWORK TO BE FINISHED ON ENDS, TYP.
  8. CONTRACTOR TO PROVIDE BLOCKING BEHIND ALL CABINETS, AS WELL AS ALL WALL MOUNTED ACCESSORIES, INCLUDING WHITE BOARDS, TACK BOARDS, TOILET AND URINAL PARTITIONS AND TOILET ROOM ACCESSORIES ECT.. NOTE: ONLY 2X WOOD BLOCKING ACCEPTABLE BEHIND MILLWORK AND TOILET ROOM PARTITIONS
  9. REFER TO SPECIFICATIONS FOR FINISH COLORS ON ALL MILLWORK AND CASEWORK
  10. GLASS ATTACHED TO THE MILLWORK CABINETS AND COUNTERS IS TO BE PROVIDED BY THE MILLWORK CONTRACTOR.



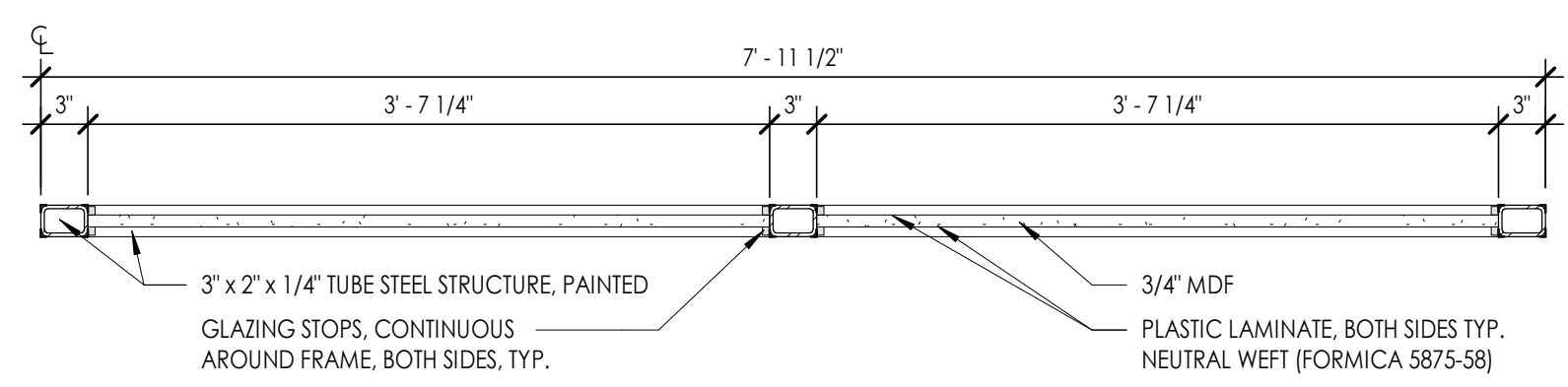
**C1 PARTITION TOP DETAIL**  
1 1/2" = 1'-0"



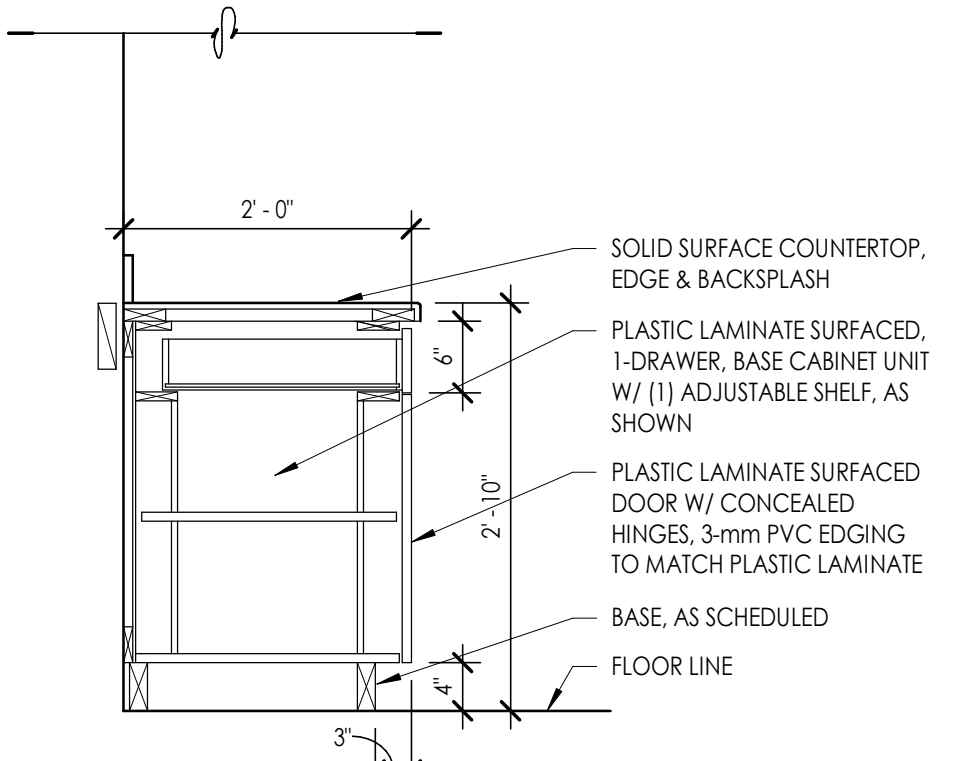
**B PARTITION BASE DETAIL**  
1 1/2" = 1'-0"



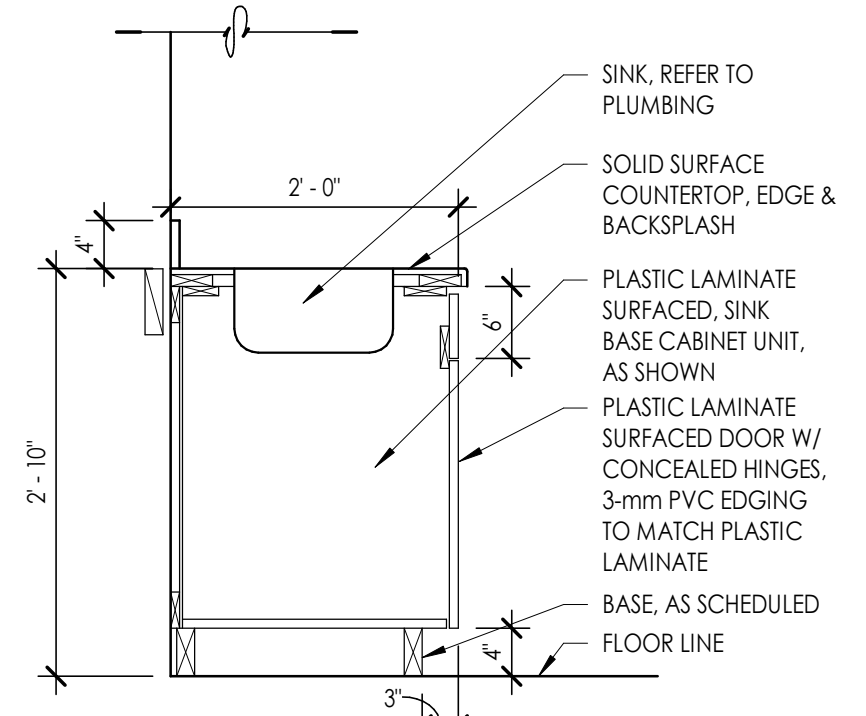
**B1 PARTITION BASE DETAIL**  
1 1/2" = 1'-0"



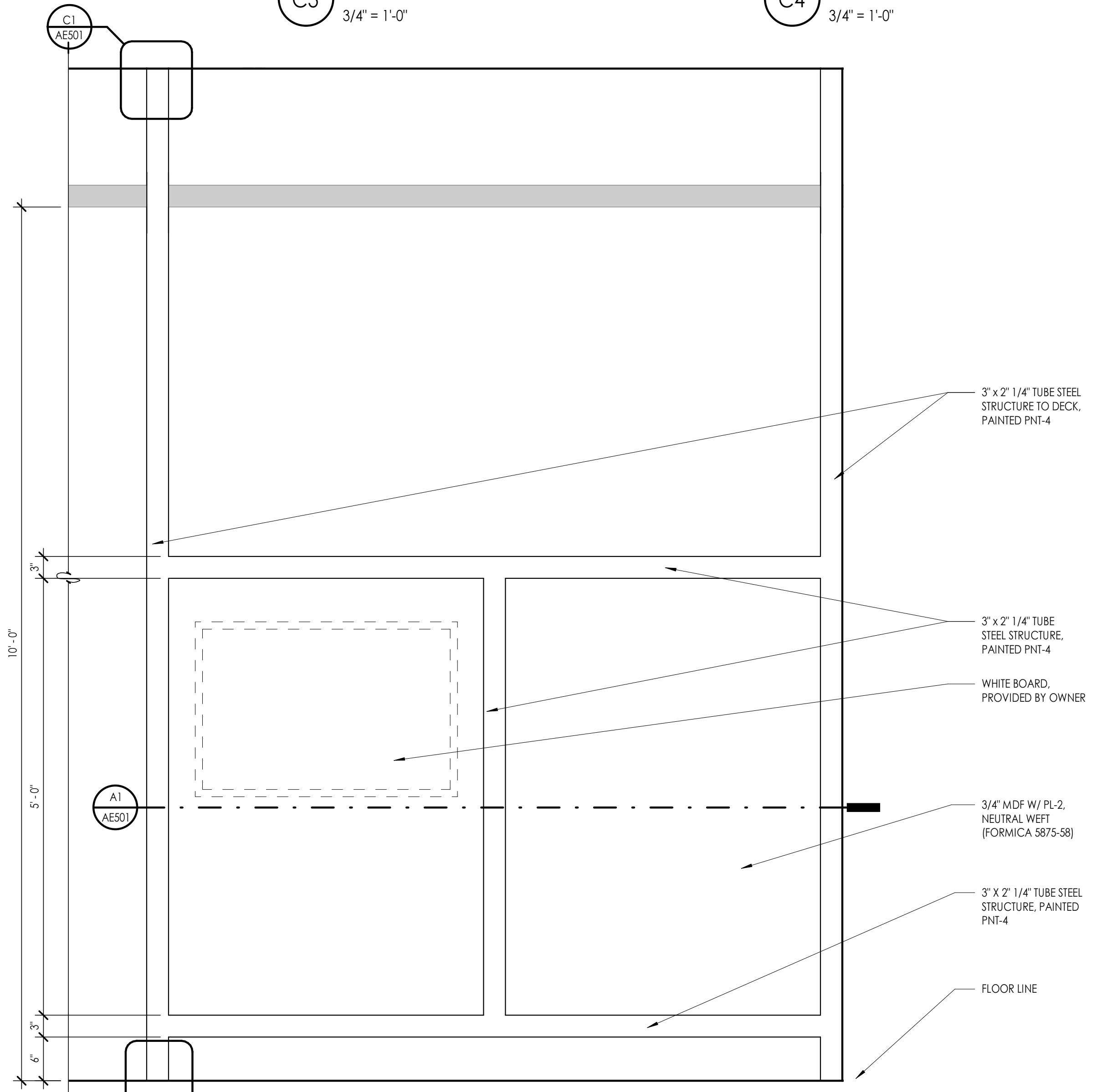
**A1 PARTITION DETAIL**  
1" = 1'-0"



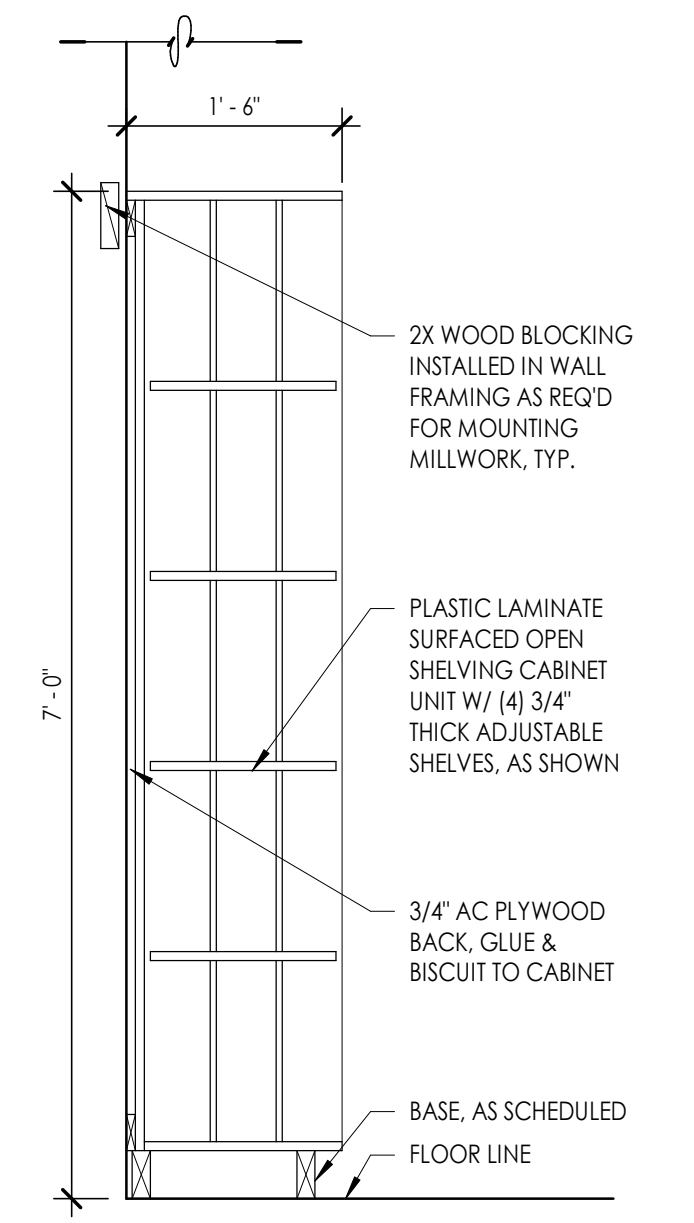
**C3 CASEWORK SECTION**  
3/4" = 1'-0"



**C4 CASEWORK SECTION**  
3/4" = 1'-0"



**A3 PARTITION ELEVATION**  
1" = 1'-0"



**B5 CASEWORK SECTION**  
3/4" = 1'-0"



**OWTC HEALTH TECHNOLOGY PRACTICAL NURSING EXPANSION**

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DFCM Project No. 21147240  
SAA Project No. 2020-16  
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MILLWORK DETAILS

Sheet Number

**AE501**

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**OWTC HEALTH TECHNOLOGY  
PRACTICAL NURSING EXPANSION**

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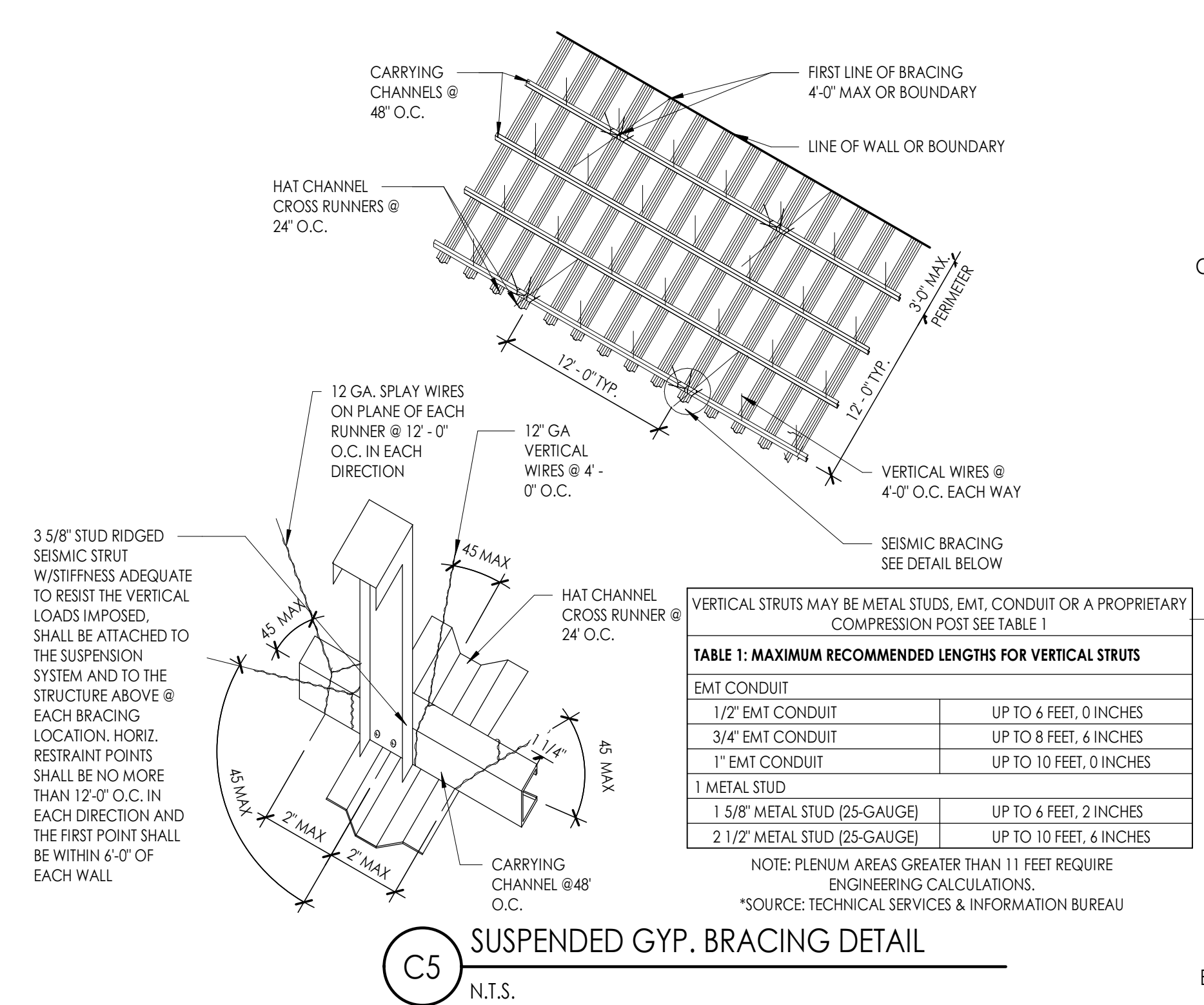
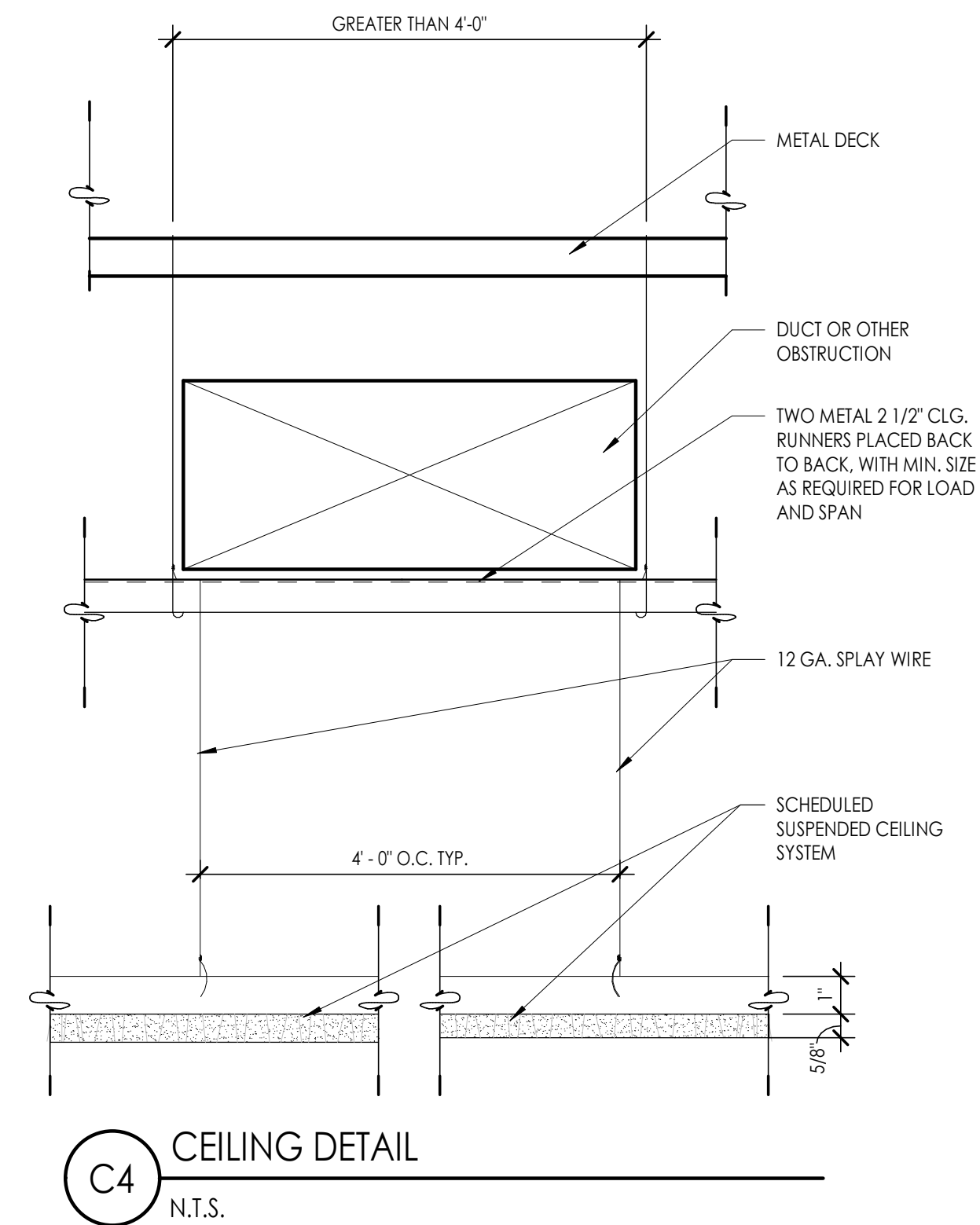
DFCM Project No. 21147240  
SAA Project No. 2020-16  
Drawing Title

CEILING DETAILS

Sheet Number

**AE541**

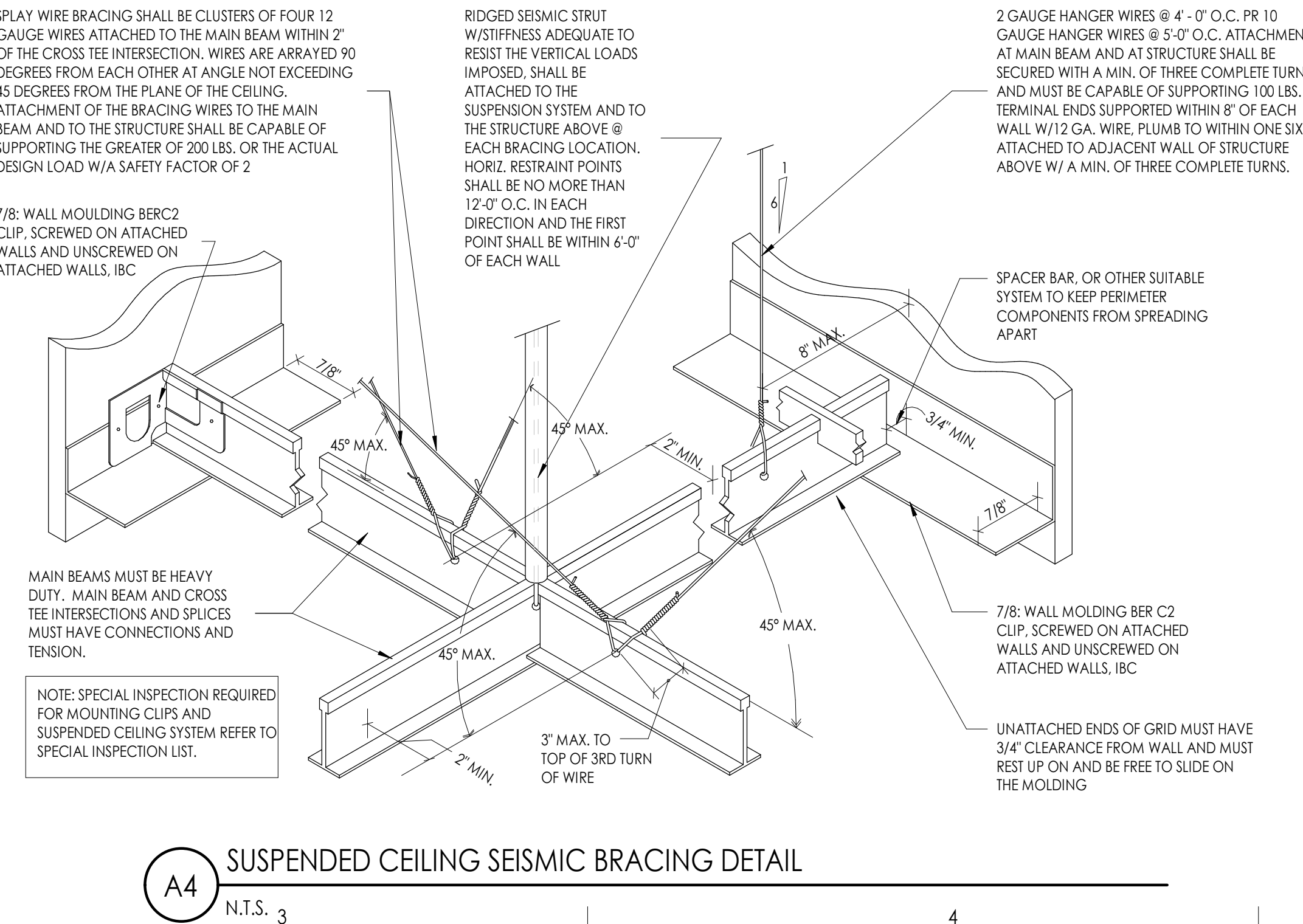
DFCM approval



VERTICAL STRUTS MAY BE METAL STUDS, EMT, CONDUIT OR A PROPRIETARY COMPRESSION POST SEE TABLE 1

TABLE 1: MAXIMUM RECOMMENDED LENGTHS FOR VERTICAL STRUTS	
EMT CONDUIT	
1/2" EMT CONDUIT	UP TO 6 FEET, 0 INCHES
3/4" EMT CONDUIT	UP TO 8 FEET, 6 INCHES
1" EMT CONDUIT	UP TO 10 FEET, 0 INCHES
METAL STUD	
1 5/8" METAL STUD (25-GAUGE)	UP TO 6 FEET, 2 INCHES
2 1/2" METAL STUD (25-GAUGE)	UP TO 10 FEET, 6 INCHES

NOTE: PLENUM AREAS GREATER THAN 11 FEET REQUIRE ENGINEERING CALCULATIONS.  
\*SOURCE: TECHNICAL SERVICES & INFORMATION BUREAU

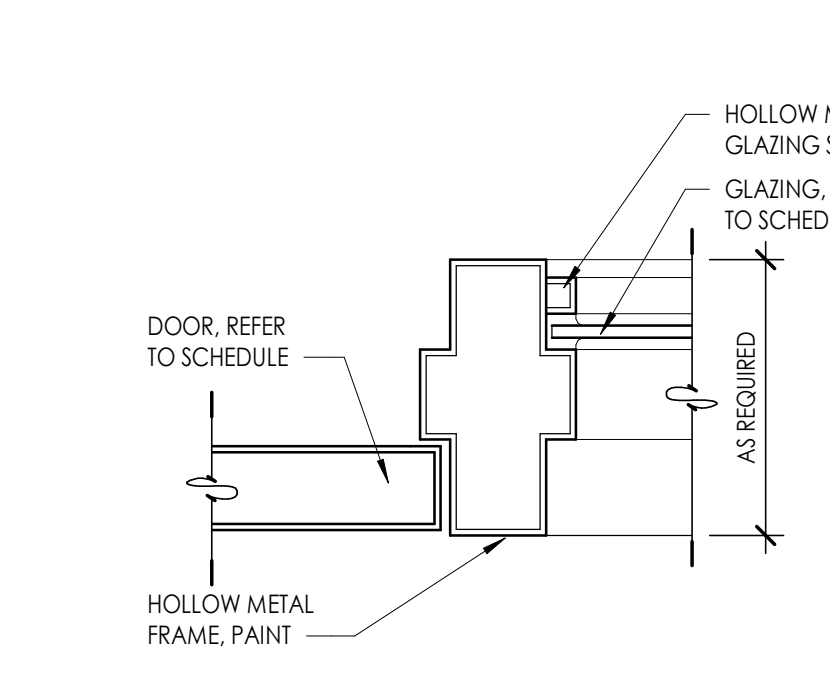




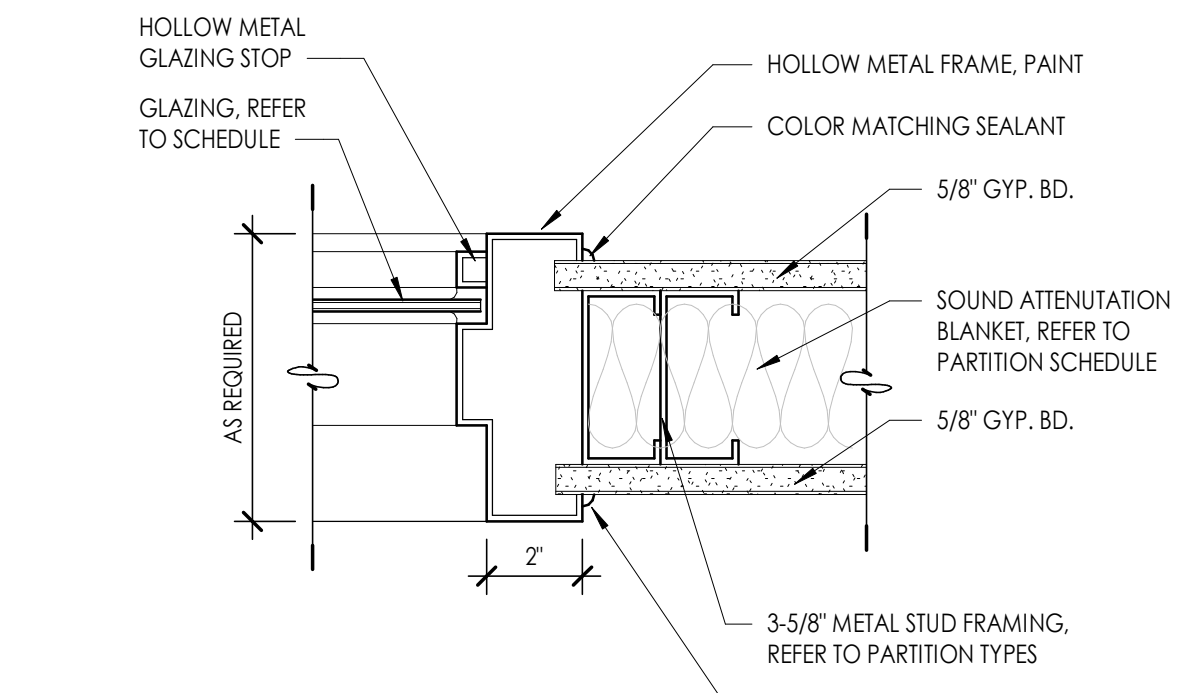
PANEL SCHEDULE			DOOR SCHEDULE																	
MARK	GLASS TYPE	COMMENTS	DOOR #	ROOM NAME	DOOR						FRAME						HRDWR. GROUP	FIRE RATING	COMMENTS	DOOR #
					DOOR TYPE	WIDTH	HEIGHT	THICK	MTRL	FINISH	GLAZE	FRAME TYPE	MTRL	FINISH	HEAD DETAIL	JAMB DETAIL				
GL-1	1/4" CLEAR	SEE SPECIFICATIONS	205A	SIM. ROOM #3	D	4'-0"	7'-0"	1 3/4"	WD	STN	-	A	H.M.	PNT-3	B3/601	B3-601	-	1	MATCH ROOM 204	205A
GL-2	1/4" CLEAR - TEMPERED	SEE SPECIFICATIONS	206A	SIM. ROOM #4	D	4'-0"	7'-0"	1 3/4"	WD	STN	-	A	H.M.	PNT-3	B3/601	B3-601	-	1	MATCH ROOM 203	206A
			207A	CONTROL STATIONS	A	3'-0"	7'-0"	1 3/4"	WD	STN	-	A	H.M.	PNT-3	B3/601	B3-601	-	2		207A
			250A	STUDY ROOM	A	3'-0"	7'-0"	1 3/4"	WD	STN	-	W4	H.M.	PNT-3	-	-	-	5		250A
			251A	STUDY ROOM	A	3'-0"	7'-0"	1 3/4"	WD	STN	-	W5	H.M.	PNT-3	-	-	-	5		251A
			252A	CLASSROOM	B	3'-0"	7'-0"	1 3/4"	WD	STN	GL-2	A	H.M.	PNT-3	B3/601	B3-601	-	4		252A
			254A	LAB	C	3'-0"	7'-0"	1 3/4"	WD	STN	GL-2	A	H.M.	PNT-3	B3/601	B3-601	-	3		254A
			255A	STORAGE	C	3'-0"	7'-0"	1 3/4"	WD	STN	GL-2	A	H.M.	PNT-3	B3/601	B3-601	-	3		255A



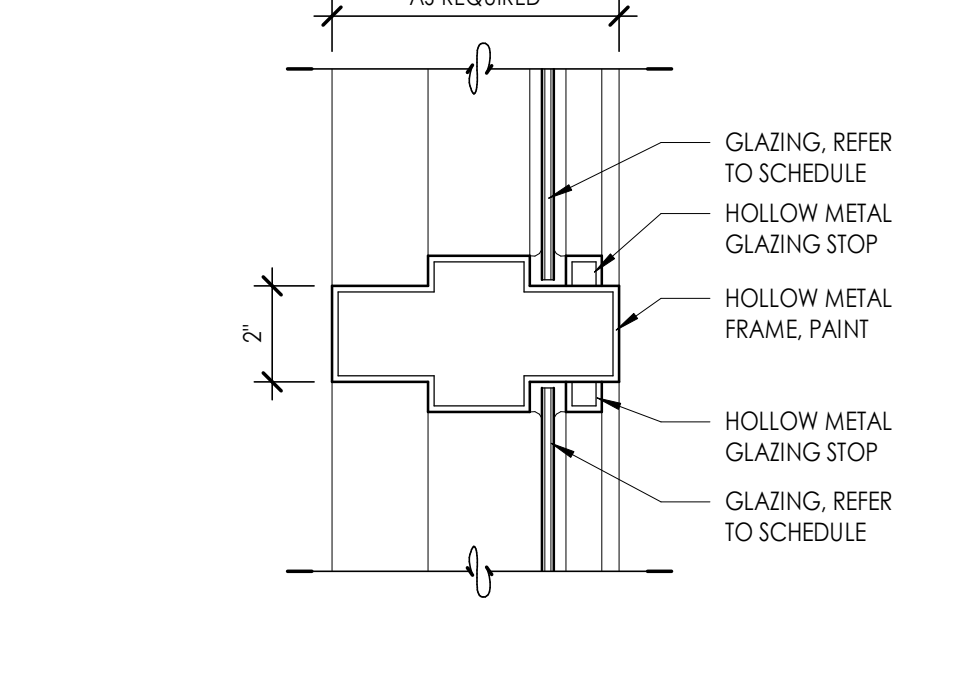
Consultant



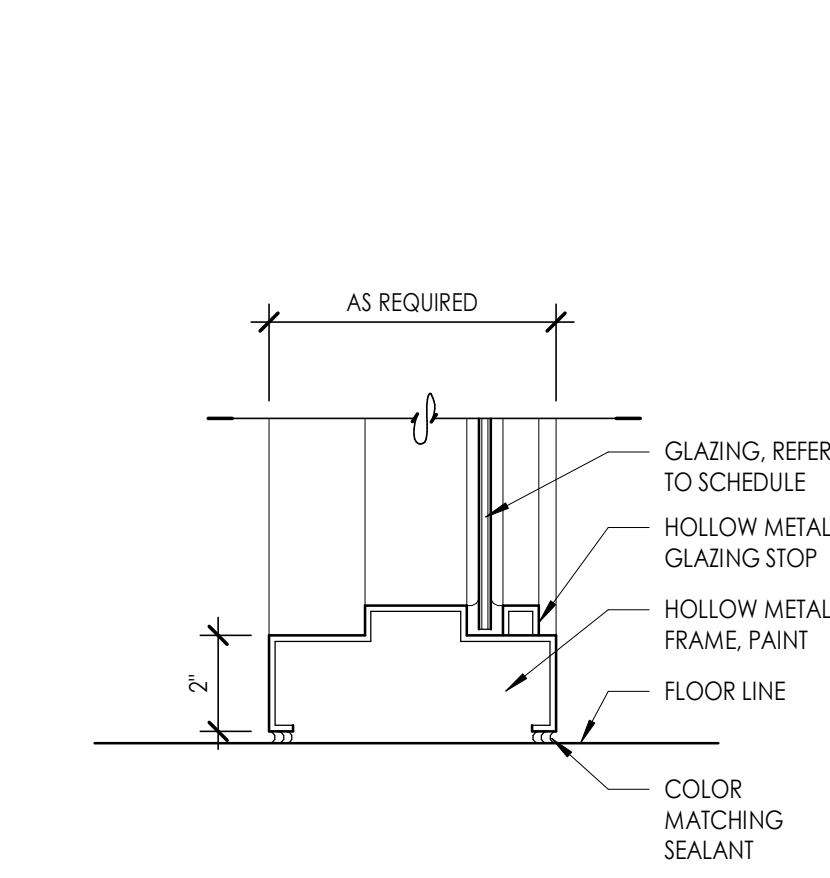
**C1** HM JAMB DETAIL  
3" = 1'-0"



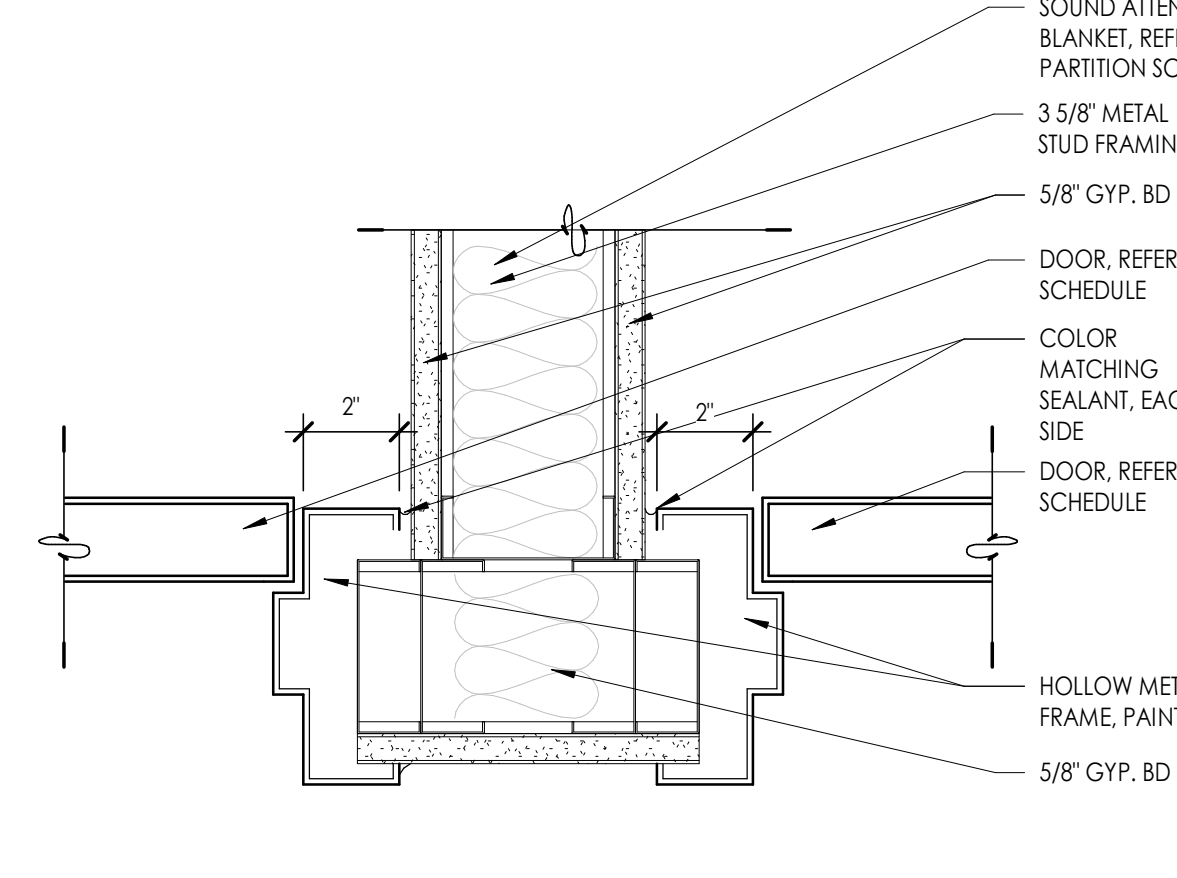
**C2** HM JAMB DETAIL  
3" = 1'-0"



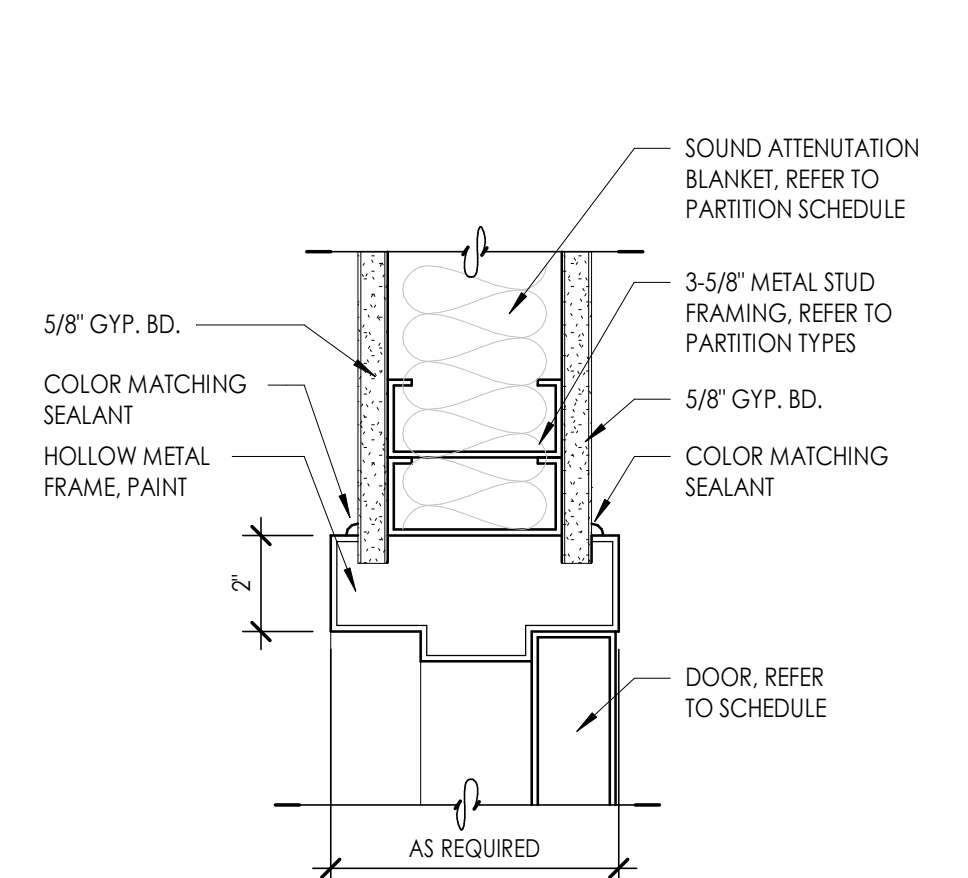
**C3** HM MULLION DETAIL  
3" = 1'-0"



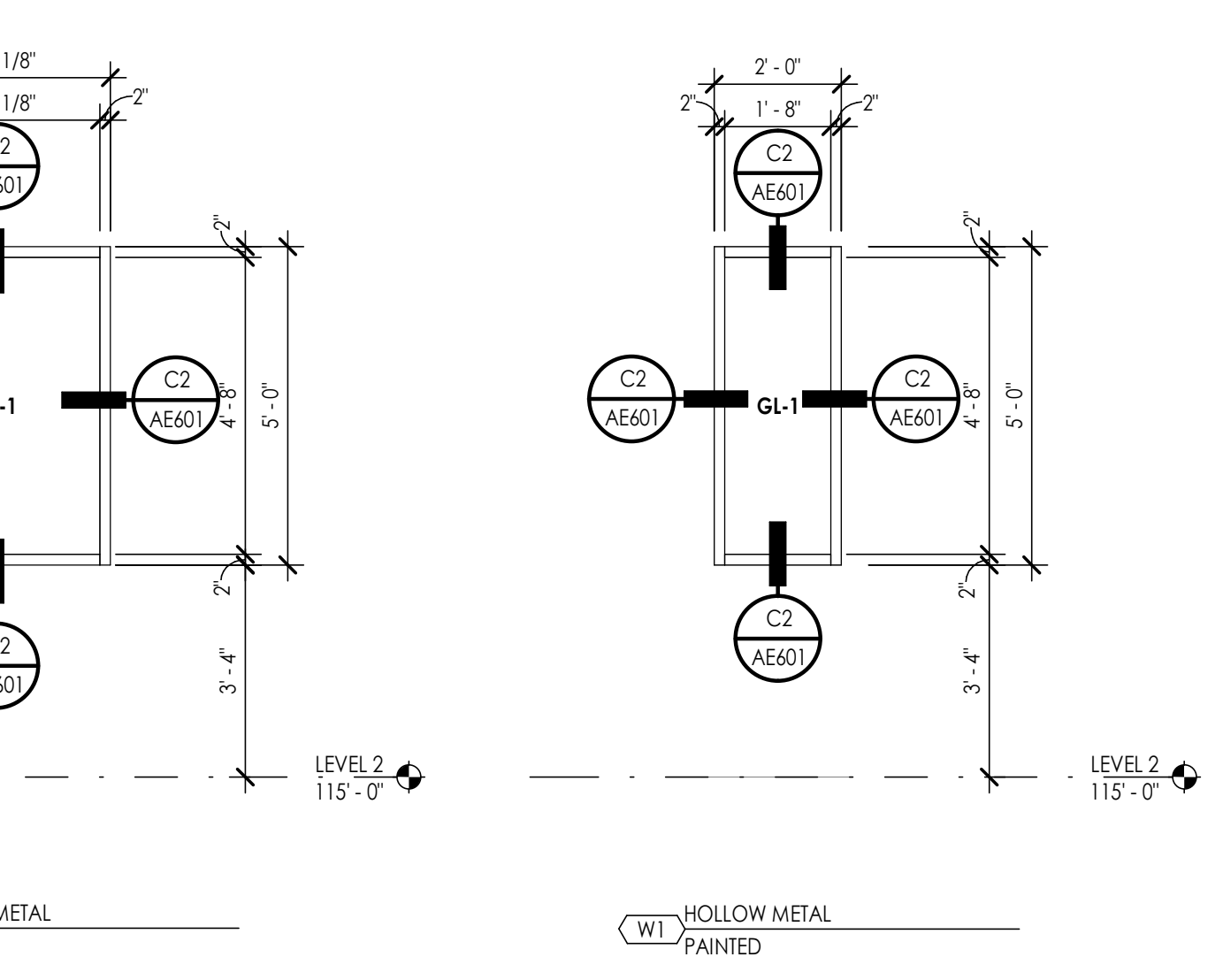
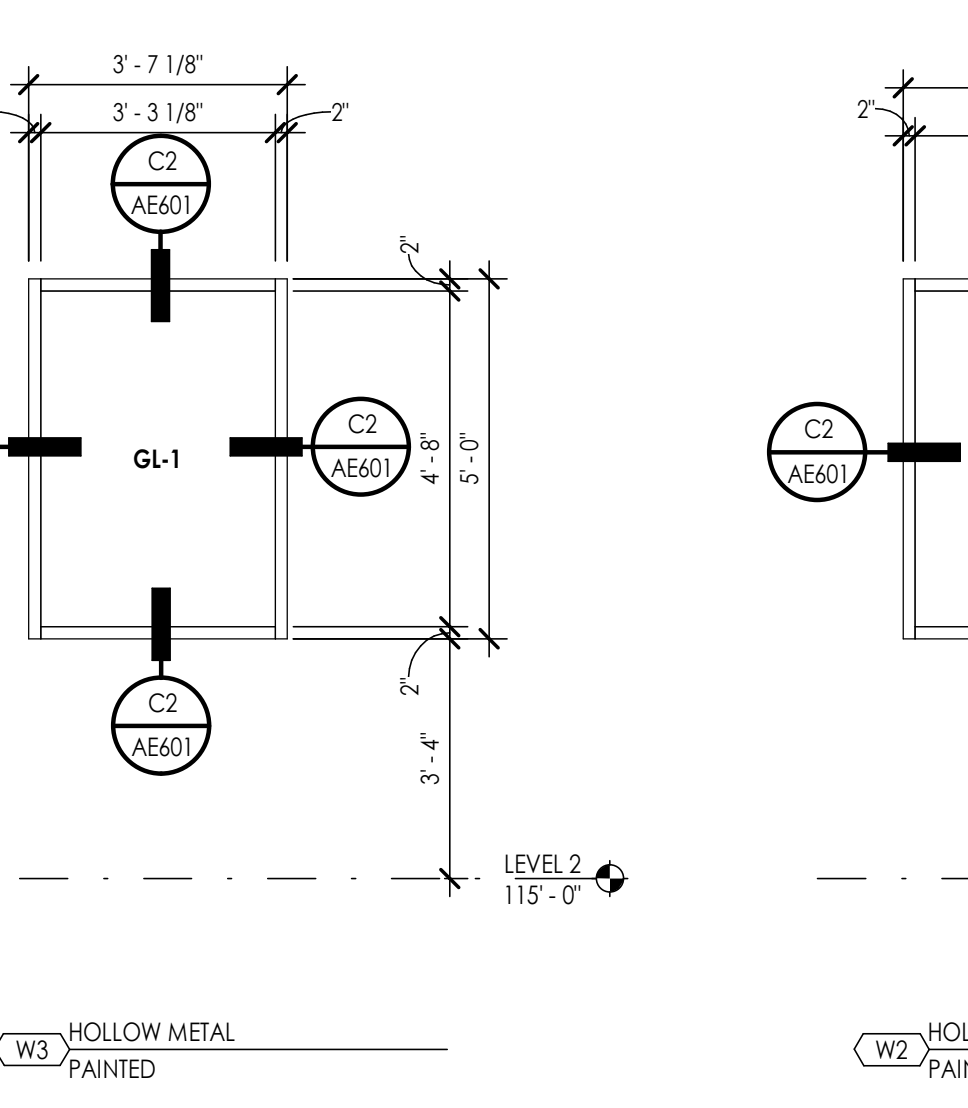
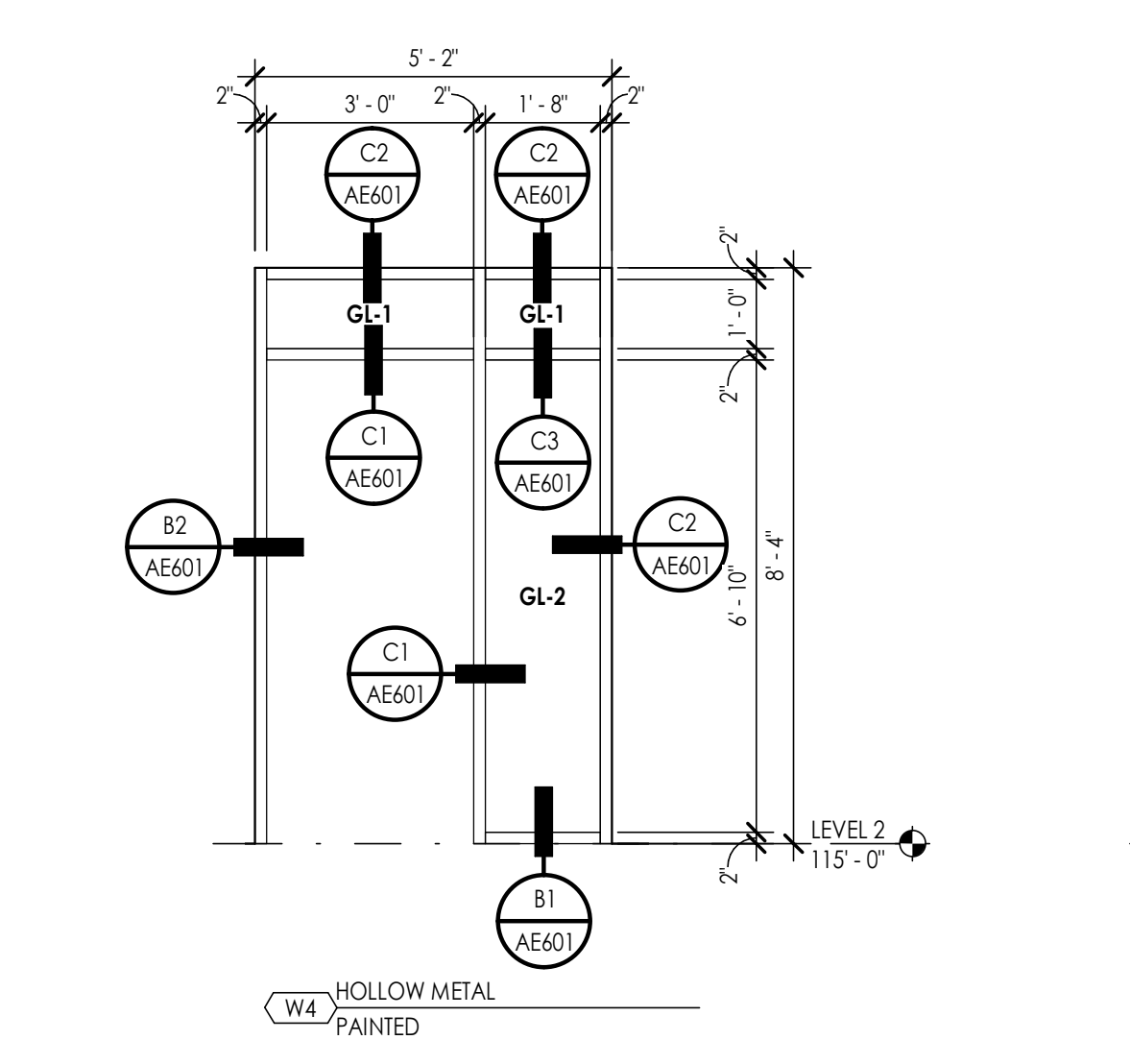
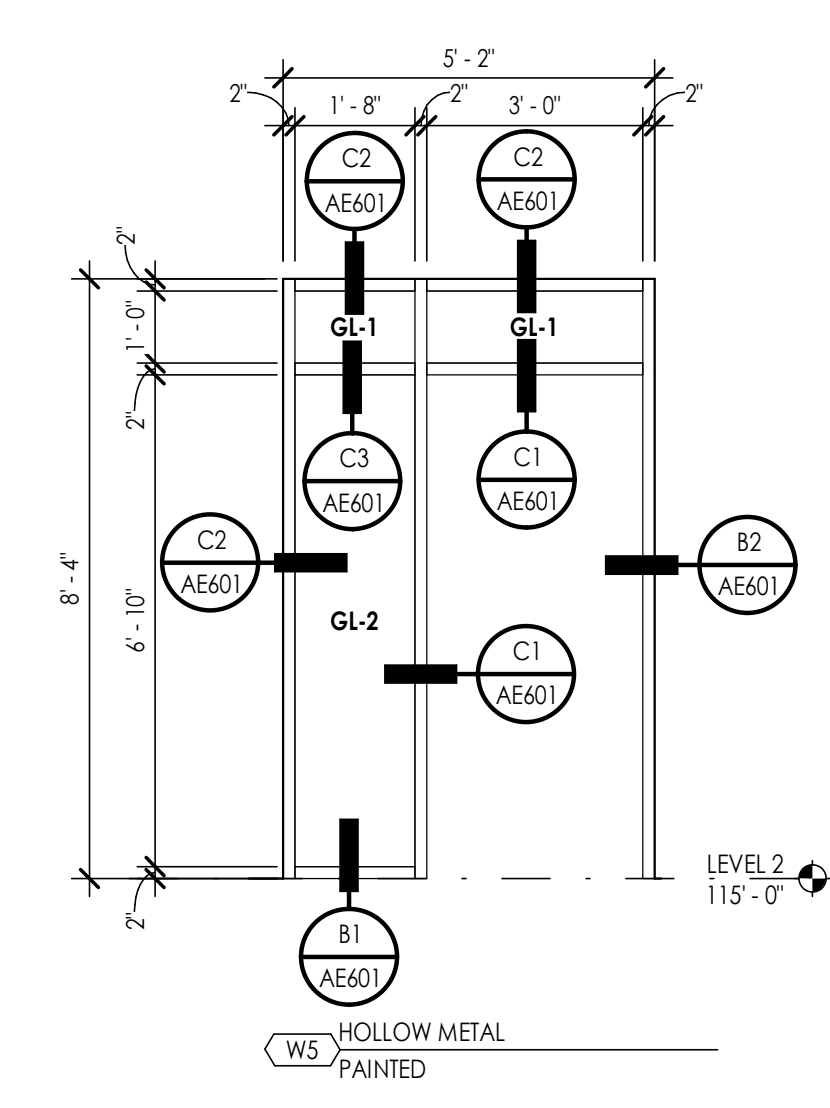
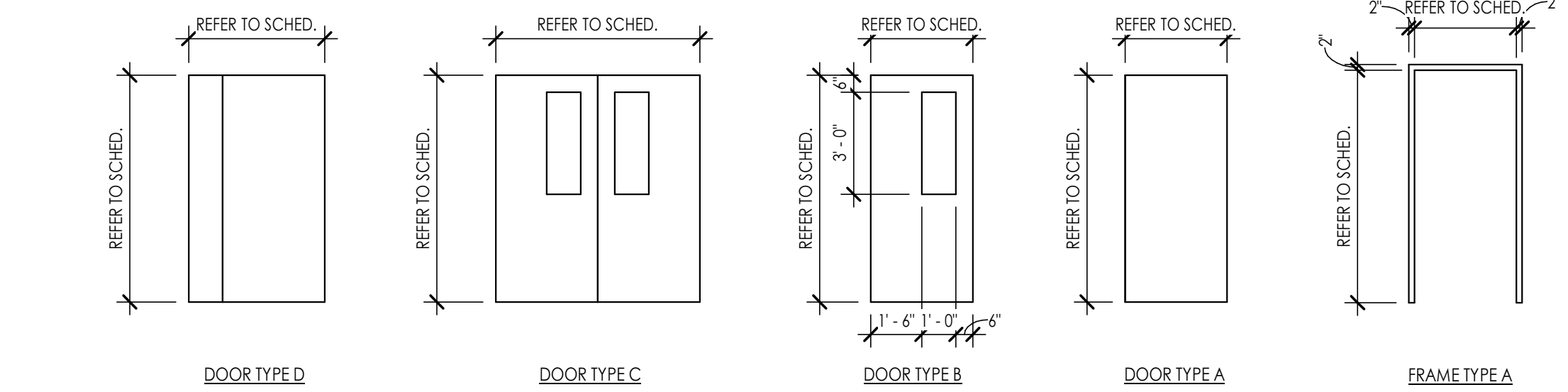
**B1** HM SILL DETAIL  
3" = 1'-0"



**B2** HM JAMB DETAIL  
3" = 1'-0"



**B3** HM/JAMB DETAIL  
3" = 1'-0"



Project Name: **OWTC HEALTH TECHNOLOGY PRACTICAL NURSING EXPANSION**

200 N. WASHINGTON BLVD. OGDEN, UT 84404

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Revision	No.	Date	Description

DFCM Project No. 21147240  
 SAA Project No. 2020-16  
 Drawing Title: **DOOR SCHEDULE & FRAME TYPES**  
 Sheet Number: **AE601**  
 DFCM approval



INTERIOR FINISH LEGEND						
CODE	MATERIAL	MANUFACTURER	PRODUCT	COLOR/FINISH	SIZE	COMMENTS
CARPET						
CPT-1	SALVAGED CARPET TILE					REPLACE SOILED CARPET TILES, RETAIN FOR OWNER
VINYL						
SV-1	MARMOLEUM	FARBO	REAL	HORSE ROAN (3232)		WELD TO EXISTING SHEET VINYL
BASE						
CB-1	CARPET BASE			MATCH EXISTING	MATCH EXISTING	TOP EDGE DETAIL TO MATCH EXISTING
RB-1	RUBBER BASE	ROPPE	700 SERIES TYPE TP	BEIGEWOOD (639)	4" COVE	REFER TO AE161 FOR LOCATION
SVB-1	SALVAGED SHEET VINYL				MATCH EXISTING	TOP EDGE DETAIL TO MATCH EXISTING, REFER TO AE161 FOR LOCATION
LB-1	MARMOLEUM	FARBO	REAL	HORSE ROAN (3232)	HEIGHT, MATCH EXISTING	COVE BASE, TOP EDGING TO MATCH EXISTING
PAINT						
PNT-1	FIELD PAINT	BENJAMIN MOORE	COLOR: MANCHESTER TAN HC-81	EGGSHELL		
PNT-2	ACCENT PAINT	SHERWIN WILLIAMS	COLOR: RETREAT SW6207 (217-C5)	EGGSHELL		
PNT-3	HM PAINT	SHERWIN WILLIAMS	COLOR: NUTHATCH SW6088 (197-C5)	SEMI-GLOSS		HM DOOR FRAMES
PNT-4	HM PAINT	BENJAMIN MOORE	COLOR: MANCHESTER TAN HC-81	SEMI-GLOSS		PARTITIONS
PLASTIC LAMINATE						
PL-1	PLASTIC LAMINATE	FORMICA	GINGER ROOT MAPLE 7288-58	MATTE FINISH		CASEWORK
PL-2	PLASTIC LAMINATE	FORMICA	NEUTRAL WEFT 5875-58	MATTE FINISH		PARTITIONS
SOLID SURFACE						
SS-1	SOLID SURFACE	DUPONT CORIAN	SOLID SURFACE	BURLED BEACH	3/4" THICK	CONTACT PAULA AT HALLMARK BUILDING SUPPLIES: CELL-612-578-1788; EMAIL PAULA@HLLMARK.COM; OFFICE 800-274-7842 EXT. 527
ACOUSTICAL						
AC-1	ACOUSTICAL CEILING	ARMSTRONG	DUNE WITH 15/16" SQUARE EDGE; GRID: ARMSTRONG PRELUDE PLUS XL	WHITE	2' X 2'	ARMSTRONG SEISMIC JOINT CLIP SYSTEM INCLUDING BERCC2 CLIP AS REQUIRED

ROOM FINISH SCHEDULE												
NO.	NAME	FLOOR	BASE FINISH	NORTH WALL	SOUTH WALL	EAST WALL	WEST WALL	CEILING FINISH	CASEWORK COUNTER	CASEWORK CABINET	NO.	
200	CLASSROOM/DEBRIEFING	EXISTING TO REMAIN	EXISTING TO REMAIN	-	PNT-2	-	PNT-1	AC-1	-	-	200	
201	CLINICAL SIM. LAB	EXISTING TO REMAIN	EXISTING TO REMAIN	-	-	-	-	AC-1	-	-	201	
202	HALLWAY	EXISTING/SV-1	EXISTING/LB-1/RB-1	PNT-1	PNT-2	PNT-2	PNT-1/PNT-2	AC-1	-	-	202	
203	SIM. ROOM #2	EXISTING TO REMAIN	EXISTING TO REMAIN	-	-	-	-	AC-1	-	-	203	
204	SIM. ROOM #1	EXISTING TO REMAIN	EXISTING TO REMAIN	-	-	-	-	AC-1	-	-	204	
205	SIM. ROOM #3	SV-1	RB-1	PNT-1	PNT-1	PNT-1	PNT-2	AC-1	SS-1	PL-1	205	
206	SIM. ROOM #4	EXISTING TO REMAIN	RB-1	PNT-1	PNT-1	PNT-1	PNT-2	AC-1	SS-1	PL-1	206	
207	CONTROL STATIONS	EXISTING TO REMAIN	EXISTING/RB-1	-	PNT-1	-	PNT-1	AC-1	-	-	207	
208	PRACTICE LAB	EXISTING TO REMAIN	EXISTING TO REMAIN	-	-	-	-	-	-	-	208	
250	STUDY ROOM	EXISTING TO REMAIN	EXISTING/CB-1	PNT-1	PNT-2	PNT-1	PNT-1	AC-1	-	-	250	
251	STUDY ROOM	EXISTING TO REMAIN	EXISTING/CB-1	PNT-2	PNT-1	PNT-1	PNT-1	AC-1	-	-	251	
252	CLASSROOM	EXISTING TO REMAIN	EXISTING/CB-1	PNT-1	PNT-2	PNT-1	PNT-1	AC-1	-	-	252	
253	HALLWAY	EXISTING TO REMAIN	EXISTING/CB-1/RB-1	PNT-1/PNT-2	PNT-2	PNT-1	PNT-2	AC-1	-	-	253	
254	LAB	SV-1	LB-1	PNT-1	PNT-2	PNT-1	PNT-1	AC-1	-	-	254	
255	STORAGE	EXISTING TO REMAIN	EXISTING/CB-1/RB-1	PNT-1	PNT-1	PNT-1	PNT-1	AC-1	-	-	255	



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 Drawing Title

FINISH SCHEDULE

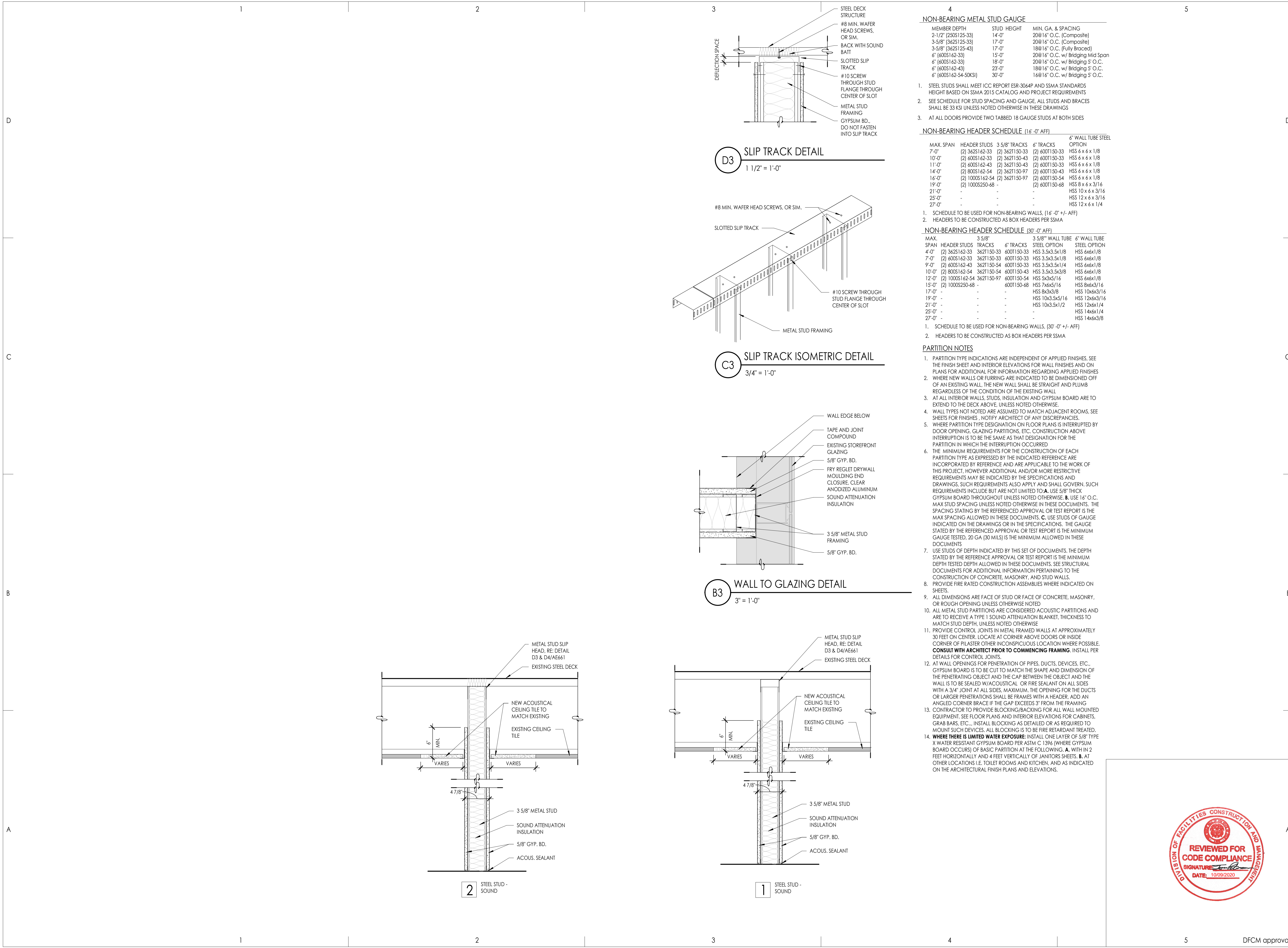
Sheet Number

AE641



DFCM approval





**NON-BEARING METAL STUD GAUGE**

MEMBER DEPTH	STUD HEIGHT	MIN. GA. & SPACING
2-1/2" (2625125-33)	14'-0"	20@16" O.C. (Composite)
3-5/8" (3625125-33)	17'-0"	20@16" O.C. (Composite)
3-5/8" (3625125-43)	17'-0"	18@16" O.C. (Fully Braced)
6" (6005162-33)	15'-0"	20@16" O.C. w/ Bridging Mid Span
6" (6005162-33)	18'-0"	20@16" O.C. w/ Bridging 5' O.C.
6" (6005162-43)	23'-0"	18@16" O.C. w/ Bridging 5' O.C.
6" (6005162-54-50KSI)	30'-0"	16@16" O.C. w/ Bridging 5' O.C.

- STEEL STUDS SHALL MEET ICC REPORT ESR-3064P AND SSMA STANDARDS HEIGHT BASED ON SSMA 2015 CATALOG AND PROJECT REQUIREMENTS
- SEE SCHEDULE FOR STUD SPACING AND GAUGE. ALL STUDS AND BRACES SHALL BE 33 KSI UNLESS NOTED OTHERWISE IN THESE DRAWINGS
- AT ALL DOORS PROVIDE TWO TABBED 18 GAUGE STUDS AT BOTH SIDES

**NON-BEARING HEADER SCHEDULE (16'-0" AFF)**

MAX. SPAN	HEADER STUDS	3 5/8" TRACKS	6" TRACKS	6" WALL TUBE STEEL
7'-0"	(2) 3625162-33	(2) 3621150-33	(2) 6001150-33	HSS 6 x 6 x 1/8
10'-0"	(2) 4005162-33	(2) 3621150-43	(2) 6001150-33	HSS 6 x 6 x 1/8
11'-0"	(2) 4005162-43	(2) 3621150-43	(2) 6001150-33	HSS 6 x 6 x 1/8
14'-0"	(2) 8005162-54	(2) 3621150-97	(2) 6001150-43	HSS 6 x 6 x 1/8
16'-0"	(2) 10005162-54	(2) 3621150-97	(2) 6001150-54	HSS 6 x 6 x 1/8
19'-0"	(2) 10005250-68	-	(2) 6001150-68	HSS 8 x 6 x 3/16
21'-0"	-	-	-	HSS 10 x 6 x 3/16
25'-0"	-	-	-	HSS 12 x 6 x 3/16
27'-0"	-	-	-	HSS 12 x 6 x 1/4

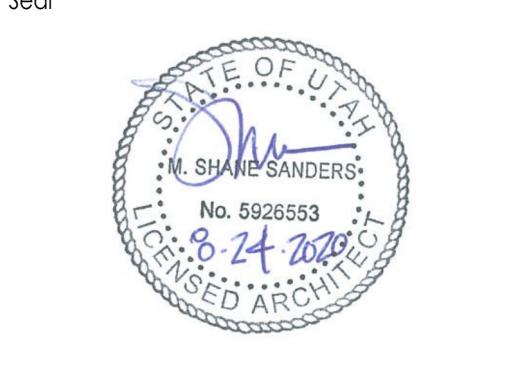
- SCHEDULE TO BE USED FOR NON-BEARING WALLS. (16'-0" +/- AFF)
- HEADERS TO BE CONSTRUCTED AS BOX HEADERS PER SSMA

**NON-BEARING HEADER SCHEDULE (30'-0" AFF)**

MAX. SPAN	HEADER STUDS	3 5/8" TRACKS	6" TRACKS	STEEL OPTION	6" WALL TUBE STEEL
4'-0"	(2) 3625162-33	3621150-33	6001150-33	HSS 3.5x3.5x1/8	HSS 6x6x1/8
7'-0"	(2) 4005162-33	3621150-33	6001150-33	HSS 3.5x3.5x1/8	HSS 6x6x1/8
9'-0"	(2) 4005162-43	3621150-54	6001150-33	HSS 3.5x3.5x1/4	HSS 6x6x1/8
10'-0"	(2) 8005162-54	3621150-54	6001150-43	HSS 3.5x3.5x3/8	HSS 6x6x1/8
12'-0"	(2) 10005162-54	3621150-97	6001150-54	HSS 5x3x5/16	HSS 6x6x1/8
15'-0"	(2) 10005250-68	-	6001150-68	HSS 7x6x5/16	HSS 8x6x3/16
17'-0"	-	-	-	HSS 8x3x3/8	HSS 10x6x3/16
19'-0"	-	-	-	HSS 10x3.5x3/16	HSS 12x6x3/16
21'-0"	-	-	-	HSS 10x3.5x1/2	HSS 12x6x1/4
25'-0"	-	-	-	-	HSS 14x6x1/4
27'-0"	-	-	-	-	HSS 14x6x3/8

- SCHEDULE TO BE USED FOR NON-BEARING WALLS. (30'-0" +/- AFF)
- HEADERS TO BE CONSTRUCTED AS BOX HEADERS PER SSMA

- PARTITION NOTES**
- PARTITION TYPE INDICATIONS ARE INDEPENDENT OF APPLIED FINISHES. SEE THE FINISH SHEET AND INTERIOR ELEVATIONS FOR WALL FINISHES AND ON PLANS FOR ADDITIONAL FOR INFORMATION REGARDING APPLIED FINISHES
  - WHERE NEW WALLS OR FURRING ARE INDICATED TO BE DIMENSIONED OFF OF AN EXISTING WALL, THE NEW WALL SHALL BE STRAIGHT AND PLUMB REGARDLESS OF THE CONDITION OF THE EXISTING WALL
  - AT ALL INTERIOR WALLS, STUDS, INSULATION AND GYPSUM BOARD ARE TO EXTEND TO THE DECK ABOVE, UNLESS NOTED OTHERWISE.
  - WALL TYPES NOT NOTED ARE ASSUMED TO MATCH ADJACENT ROOMS. SEE SHEETS FOR FINISHES, NOTIFY ARCHITECT OF ANY DISCREPANCIES.
  - WHERE PARTITION TYPE DESIGNATION ON FLOOR PLANS IS INTERRUPTED BY DOOR OPENING, GLAZING PARTITIONS, ETC. CONSTRUCTION ABOVE INTERRUPTION IS TO BE THE SAME AS THAT DESIGNATION FOR THE PARTITION IN WHICH THE INTERRUPTION OCCURRED
  - THE MINIMUM REQUIREMENTS FOR THE CONSTRUCTION OF EACH PARTITION TYPE AS EXPRESSED BY THE INDICATED REFERENCE ARE INCORPORATED BY REFERENCE AND ARE APPLICABLE TO THE WORK OF THIS PROJECT, HOWEVER ADDITIONAL AND/OR MORE RESTRICTIVE REQUIREMENTS MAY BE INDICATED BY THE SPECIFICATIONS AND DRAWINGS. SUCH REQUIREMENTS ALSO APPLY AND SHALL GOVERN. SUCH REQUIREMENTS INCLUDE BUT ARE NOT LIMITED TO: A. USE 5/8" THICK GYPSUM BOARD THROUGHOUT UNLESS NOTED OTHERWISE. B. USE 16" O.C. MAX STUD SPACING UNLESS NOTED OTHERWISE IN THESE DOCUMENTS. THE SPACING STATED BY THE REFERENCED APPROVAL OR TEST REPORT IS THE MAX SPACING ALLOWED IN THESE DOCUMENTS. C. USE STUDS OF GAUGE INDICATED ON THE DRAWINGS OR IN THE SPECIFICATIONS. THE GAUGE STATED BY THE REFERENCED APPROVAL OR TEST REPORT IS THE MINIMUM GAUGE TESTED. 20 GA (30 MILS) IS THE MINIMUM ALLOWED IN THESE DOCUMENTS
  - USE STUDS OF DEPTH INDICATED BY THIS SET OF DOCUMENTS. THE DEPTH STATED BY THE REFERENCE APPROVAL OR TEST REPORT IS THE MINIMUM DEPTH TESTED DEPTH ALLOWED IN THESE DOCUMENTS. SEE STRUCTURAL DOCUMENTS FOR ADDITIONAL INFORMATION PERTAINING TO THE CONSTRUCTION OF CONCRETE, MASONRY, AND STUD WALLS.
  - PROVIDE FIRE RATED CONSTRUCTION ASSEMBLIES WHERE INDICATED ON SHEETS.
  - ALL DIMENSIONS ARE FACE OF STUD OR FACE OF CONCRETE, MASONRY, OR ROUGH OPENING UNLESS OTHERWISE NOTED
  - ALL METAL STUD PARTITIONS ARE CONSIDERED ACOUSTIC PARTITIONS AND ARE TO RECEIVE A TYPE 1 SOUND ATTENUATION BLANKET, THICKNESS TO MATCH STUD DEPTH, UNLESS NOTED OTHERWISE
  - PROVIDE CONTROL JOINTS IN METAL FRAMED WALLS AT APPROXIMATELY 30 FEET ON CENTER. LOCATE AT CORNER ABOVE DOORS OR INSIDE CORNER OF PILASTER OTHER INCONSPICUOUS LOCATION WHERE POSSIBLE. **CONSULT WITH ARCHITECT PRIOR TO COMMENCING FRAMING.** INSTALL PER DETAILS FOR CONTROL JOINTS.
  - AT WALL OPENINGS FOR PENETRATION OF PIPES, DUCTS, DEVICES, ETC., GYPSUM BOARD IS TO BE CUT TO MATCH THE SHAPE AND DIMENSION OF THE PENETRATING OBJECT AND THE CAP BETWEEN THE OBJECT AND THE WALL IS TO BE SEALED W/ACOUSTICAL OR FIRE SEALANT ON ALL SIDES WITH A 3/4" JOINT AT ALL SIDES. MAXIMUM. THE OPENING FOR THE DUCTS OR LARGER PENETRATIONS SHALL BE FRAMES WITH A HEADER. ADD AN ANGLED CORNER BRACE IF THE GAP EXCEEDS 3" FROM THE FRAMING
  - CONTRACTOR TO PROVIDE BLOCKING/BACKING FOR ALL WALL MOUNTED EQUIPMENT. SEE FLOOR PLANS AND INTERIOR ELEVATIONS FOR CABINETS, GRAB BARS, ETC., INSTALL BLOCKING AS DETAILED OR AS REQUIRED TO MOUNT SUCH DEVICES. ALL BLOCKING IS TO BE FIRE RETARDANT TREATED. **WHERE THERE IS LIMITED WATER EXPOSURE:** INSTALL ONE LAYER OF 5/8" TYPE X WATER RESISTANT GYPSUM BOARD PER ASTM C 1396 (WHERE GYPSUM BOARD OCCURS) OF BASIC PARTITION AT THE FOLLOWING: A. WITH IN 2 FEET HORIZONTALLY AND 4 FEET VERTICALLY OF JANITORS SHEETS. B. AT OTHER LOCATIONS I.E. TOILET ROOMS AND KITCHEN, AND AS INDICATED ON THE ARCHITECTURAL FINISH PLANS AND ELEVATIONS.



Consultant

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PARTITION TYPES

Sheet Number

**AE661**



DFCM approval



**PLUMBING GENERAL NOTES**

**G-1** - ALL PLUMBING SHALL BE INSTALLED AND CONFORM TO THE 2018 EDITION OF THE INTERNATIONAL PLUMBING CODE (IPC) WITH UTAH ANNOTATIONS AND LOCAL AUTHORITY REQUIREMENTS.

**G-2** - ALL PIPING MATERIALS SHALL MEET ALL REQUIREMENTS OF IPC AND LOCAL AUTHORITY. PLASTIC PIPING SHALL BE ALLOWED ONLY WHERE ALLOWED BY CODE. PLASTIC PIPING SHALL NOT BE ROUTED THROUGH RETURN AIR PLENUMS OR OTHER AREAS PROHIBITED BY THE IMC, IPC, OR NFPA CODES OR BY LOCAL AUTHORITY.

**G-3** - GAS PIPING INSTALLATION SHALL BE IN STRICT ACCORDANCE WITH GAS COMPANY REGULATIONS, NFPA CODE REQUIREMENTS, AND LOCAL AUTHORITY.

**G-4** - ALL MATERIALS SHALL BE NEW AND SHALL BE DOMESTIC MADE UNLESS SPECIFICALLY APPROVED OTHERWISE IN WRITING BY ARCHITECT OR OWNER.

**G-5** - PROVIDE VACUUM BREAKERS AND BACK FLOW PREVENTERS WHERE REQUIRED BY CODE OR WHERE THERE MAY BE ANY POSSIBLE CHANCE FOR CROSS CONTAMINATION. PREVENTERS SHALL BE INSTALLED IN ACCORDANCE WITH UTAH CODE.

**G-6** - ALL PLUMBING INFORMATION IS NOT LIMITED TO THE PLUMBING DRAWINGS. CONTRACTOR SHALL BE RESPONSIBLE FOR INFORMATION ON ALL OTHER CONSTRUCTION DOCUMENTS INCLUDING SPECIFICATIONS, ARCHITECTURAL DRAWING, STRUCTURAL DRAWINGS, MECHANICAL DRAWINGS, AND ELECTRICAL DRAWINGS.

**G-7** - THE WORKING DRAWINGS ARE DIAGRAMMATIC. BECAUSE OF THE SMALL SCALE OF THE DRAWING, THEY DO NOT SHOW EVERY OFFSET, BEND OR ELBOW NECESSARY FOR THE COMPLETE INSTALLATION IN THE SPACE PROVIDED. ALL PIPING SHALL BE CHECKED AND COORDINATED WITH THE SPECIFICATIONS, ARCHITECTURAL, STRUCTURAL, MECHANICAL, AND ELECTRICAL DRAWINGS.

**G-8** - COORDINATE ALL PIPING AND PLUMBING EQUIPMENT WITH ALL OTHER TRADES AND/OR CONTRACTORS PRIOR TO INSTALLATION.

**G-9** - ANY AND ALL ALTERATIONS TO THE SYSTEM SHOWN SHALL BE THE RESPONSIBILITY OF THIS CONTRACTOR AND ARCHITECT/ENGINEER SHALL BE NOTIFIED IN WRITING PRIOR TO CHANGES.

**G-10** - ALL WATER SYSTEMS SHALL MEET THE REQUIREMENTS OF ANSI/NSF STANDARD 61 SECTION 9 (1998), CONCERNING METAL CONTAMINANTS IN THE WATER SYSTEM.

**G-11** - WATER PIPING SHALL NOT BE ROUTED IN OUTSIDE WALLS OR ON EXTERIOR SIDE OF BUILDING INSULATION ENVELOPE.

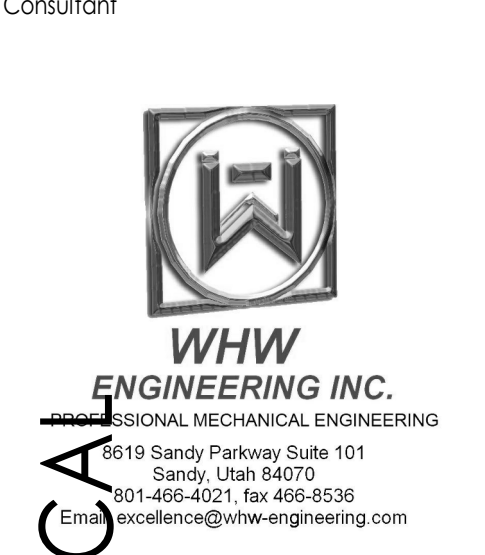
**G-12** - WATER HAMMER ARRESTORS SHALL BE INSTALLED IN ALL WATER LINES WITH QUICK OPEN OR QUICK CLOSE VALVES.

**WATER HAMMER ARRESTOR SCHEDULE:**

- TYPE A 1-11 FIXTURE UNITS
- TYPE B 12-32 FIXTURE UNITS
- TYPE C 33-60 FIXTURE UNITS
- TYPE D 61-113 FIXTURE UNITS

**G-14** - ALL PIPING, MATERIALS, ETC. SHALL BE NEW AND DOMESTIC MADE UNLESS SPECIFICALLY AUTHORIZED IN WRITING PRIOR TO BID.

PLUMBING LEGEND			
MEANING	SYMBOL OR ABBREVIATION	MEANING	SYMBOL OR ABBREVIATION
HOT WATER LINE	— HW —	WALL CLEANOUT	WCO
COLD WATER LINE	— CW —	CLEANOUT	CO
HOT WATER RECIRCULATING LINE	— HWREC —	CLEANOUT TO GRADE	COTG
VENT LINE	— V —	FLOOR CLEANOUT	FCO
WASTE LINE	— SS —	BALL VALVE	∅
GAS LINE	G	UNION	— — —
VENT THRU ROOF	VTR	CONNECTION TO EXISTING PIPING	⊕
UNDER FLOOR	UF	REGULATOR	Ⓜ
SANITARY SEWER	SS	SOFT WATER	SW
PRIMARY ROOF DRAIN	PRD	SECONDARY ROOF DRAIN	SRD



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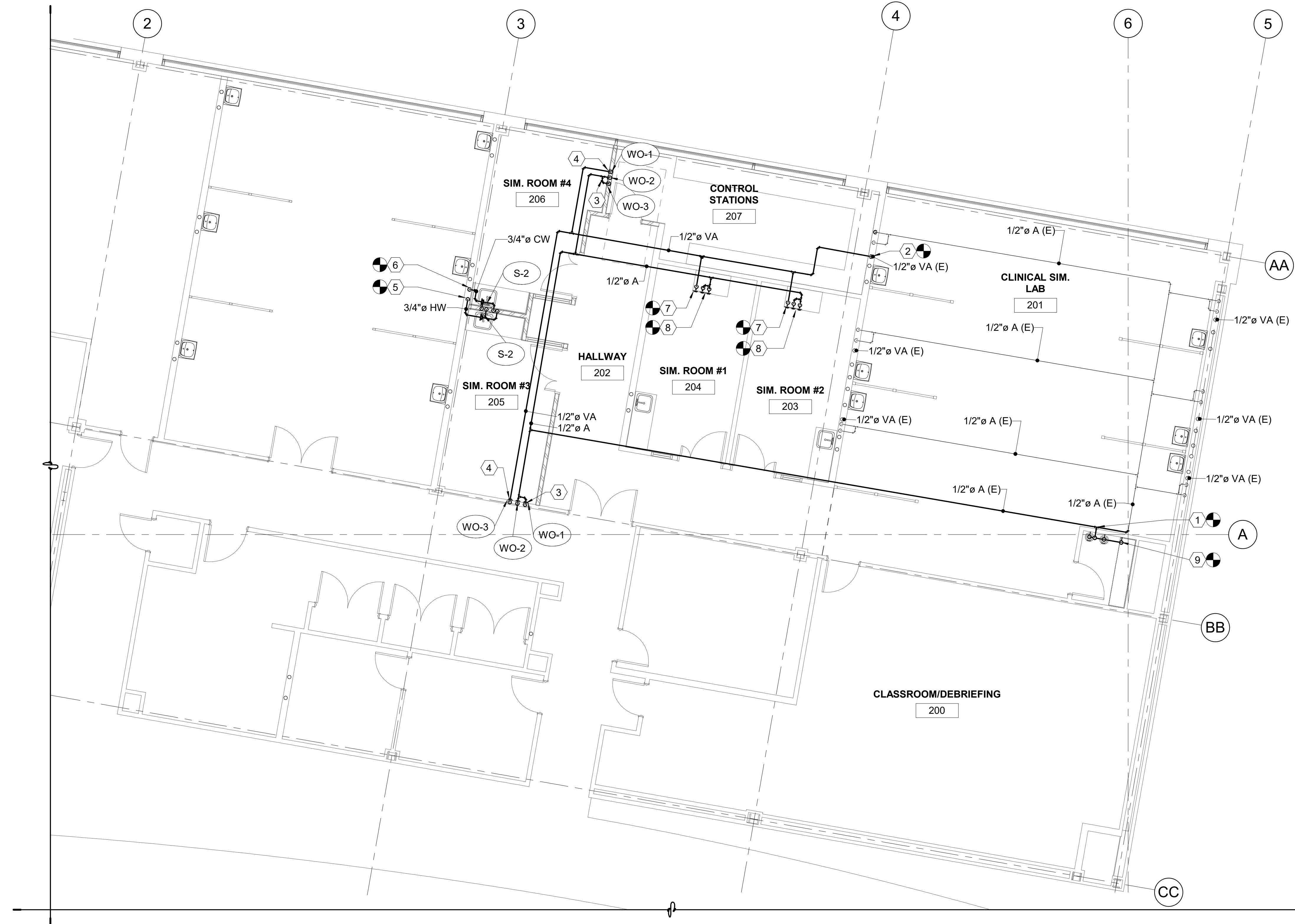
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PLUMBING LEGEND AND GENERAL NOTES

Sheet Number  
**PG001**







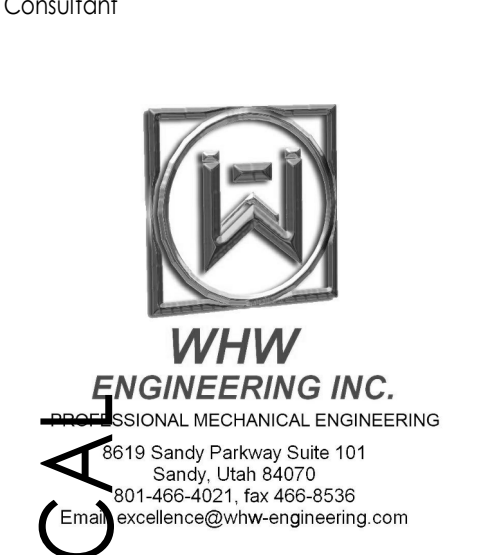
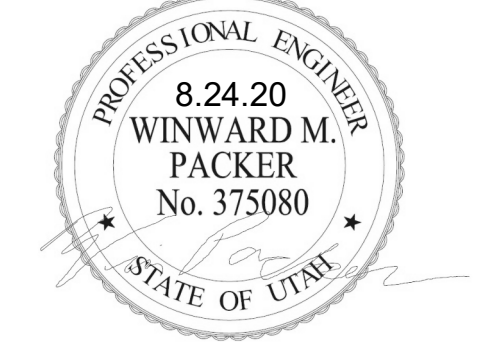
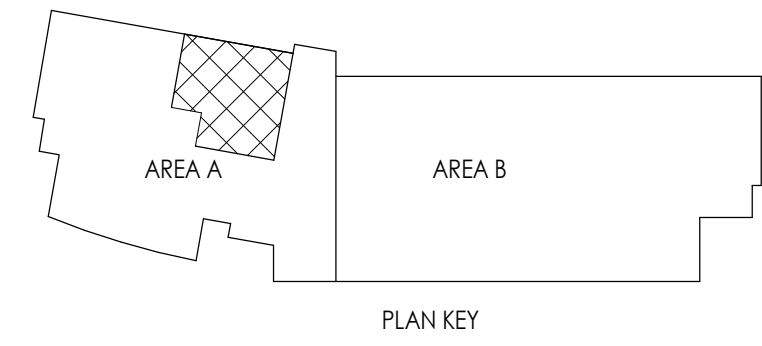
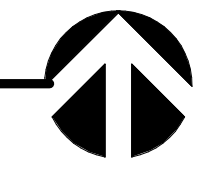
**SHEET NOTES** #

- 1 TIE INTO EXISTING COMPRESSED AIR LINE IN THIS APPROXIMATE LOCATION. FIELD VERIFY EXACT ROUTING OF EXISTING PIPE AND POINTS OF CONNECTION.
- 2 TIE INTO EXISTING VACUUM LINE IN THIS APPROXIMATE LOCATION. FIELD VERIFY EXACT ROUTING OF EXISTING PIPE AND POINTS OF CONNECTION.
- 3 PROVIDE COMPRESSED AIR TO BOTH OXYGEN AND MEDICAL AIR FIXTURES IN THIS APPROXIMATE LOCATION. COORDINATE WITH ARCHITECT FOR EXACT FIXTURE CONNECTION AND POSITIONING ON WALL.
- 4 PROVIDE VACUUM PIPING TO MEDICAL VACUUM FIXTURE IN THIS APPROXIMATE LOCATION. COORDINATE WITH ARCHITECT FOR EXACT FIXTURE CONNECTION AND POSITIONING ON WALL.
- 5 TIE INTO DOMESTIC HOT WATER ON LEVEL BELOW. FIELD VERIFY EXACT ROUTING OF EXISTING PIPING AND POINTS OF CONNECTION.
- 6 TIE INTO DOMESTIC COLD WATER ON LEVEL BELOW. FIELD VERIFY EXACT ROUTING OF EXISTING PIPING AND POINTS OF CONNECTION.
- 7 PROVIDE VACUUM PIPING TO EXISTING MEDICAL VACUUM FIXTURE IN THIS APPROXIMATE LOCATION.
- 8 PROVIDE COMPRESSED AIR TO BOTH EXISTING OXYGEN AND MEDICAL AIR FIXTURES IN THIS APPROXIMATE LOCATION.
- 9 PROVIDE 1/2" RISER OF COMPRESSED AIR PIPING FROM LEVEL BELOW. PROVIDE COUPLING TO ATTACH TO TWO(2) PORTABLE COMPRESSED AIR TANKS WITH SHUT OFF VALVES. SEE DETAIL D1 ON SHEET ME501.

**GENERAL NOTES:**  
 1. FOR SIM ROOMS #1 AND #2 COORDINATE WITH OWNER FOR NEW OWNER REQUIRED LOCATION OF AIR AND GAS LOCATIONS IN EXISTING CABINETS.

PLUMBING PLANS AREA A

3/16" = 1'-0"



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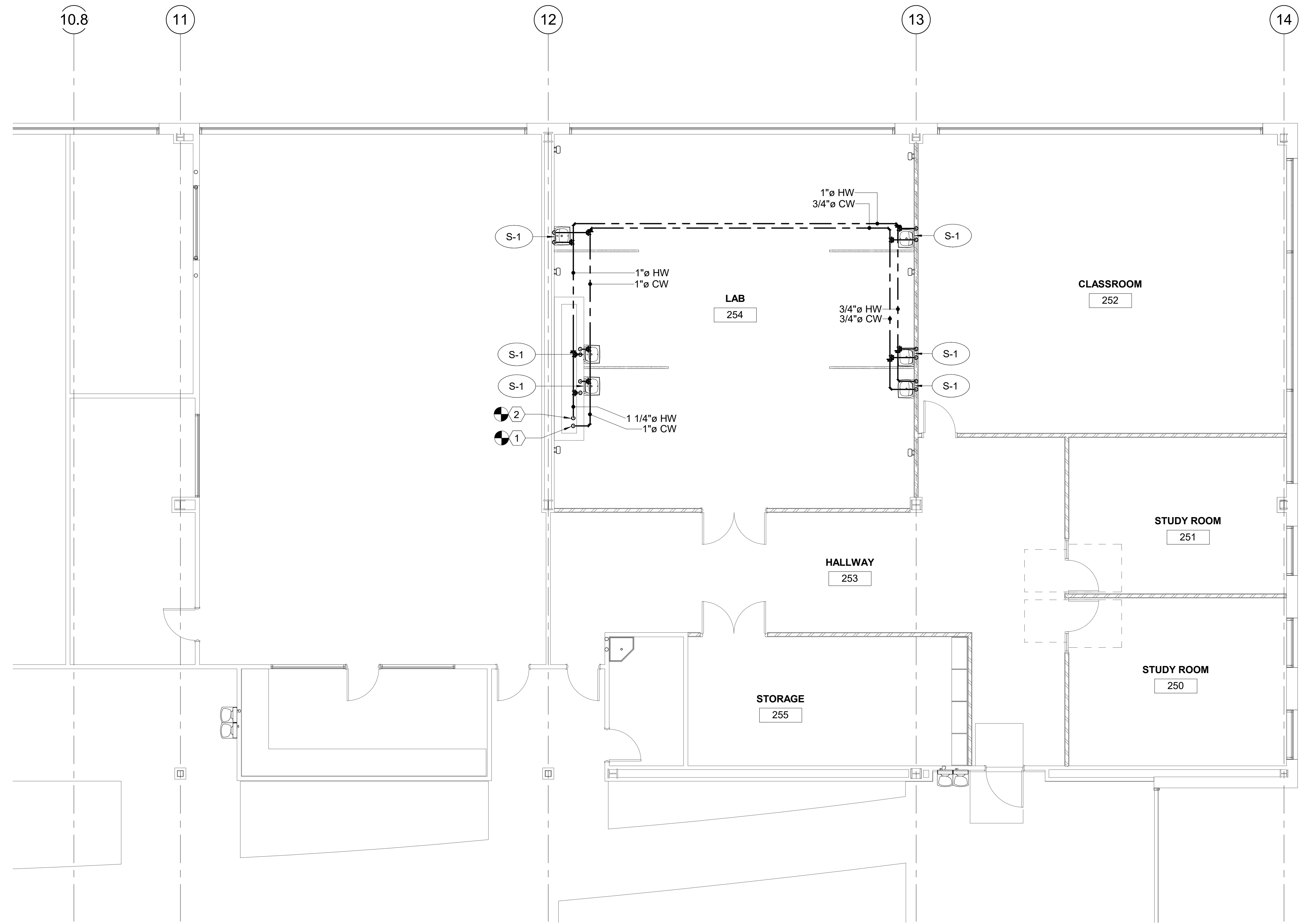
PLUMBING PLANS AREA A

Sheet Number

PE101.1

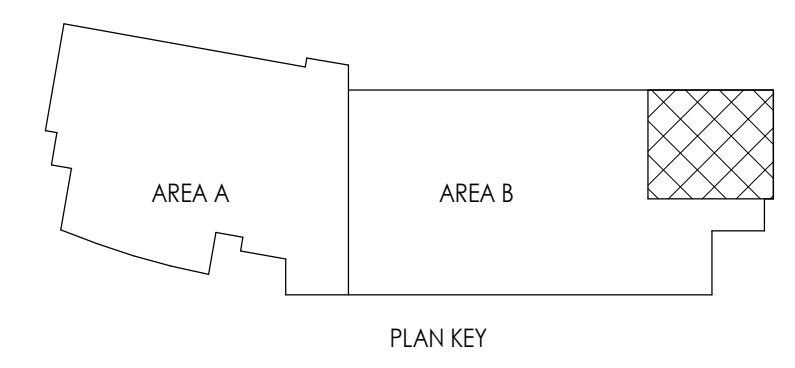
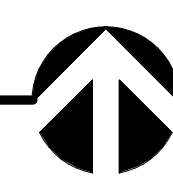
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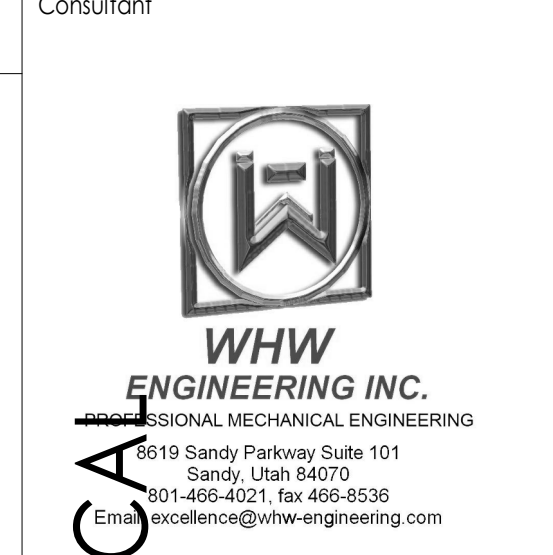
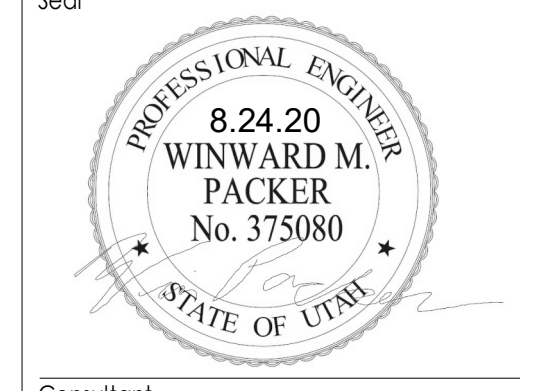
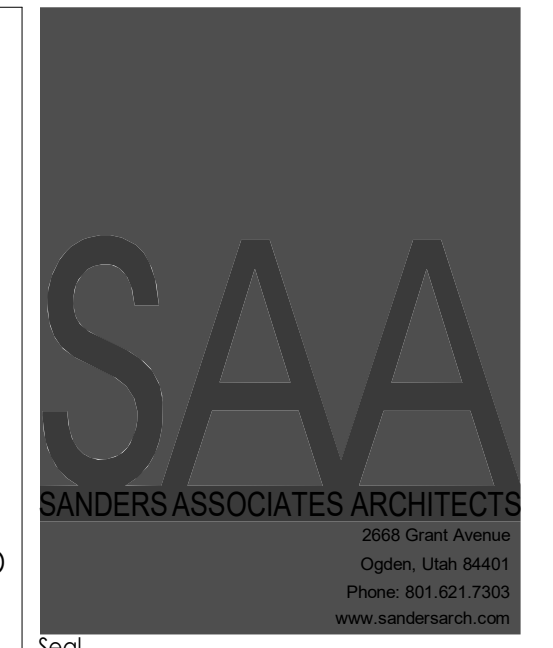
PLUMBING PLANS AREA B

3/16" = 1'-0"



**SHEET NOTES** #

- 1 TIE INTO DOMESTIC COLD WATER ON LEVEL BELOW THAT HAS BEEN DESIGNATED FOR FUTURE USE NEAR GRID LINE B12. TIE INTO CAPPED PIPING AFTER THE SHUT OFF BALL VALVE. FIELD VERIFY EXACT TIE IN LOCATION. STUB OUT IS BELOW LAB 254.
- 2 TIE INTO DOMESTIC HOT WATER ON LEVEL BELOW THAT HAS BEEN DESIGNATED FOR FUTURE USE NEAR GRID LINE B12. TIE INTO CAPPED PIPING AFTER THE SHUT OFF BALL VALVE. FIELD VERIFY EXACT TIE IN LOCATION. STUB OUT IS BELOW LAB 254.



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PLUMBING PLANS AREA B

Sheet Number

**PE101.2**



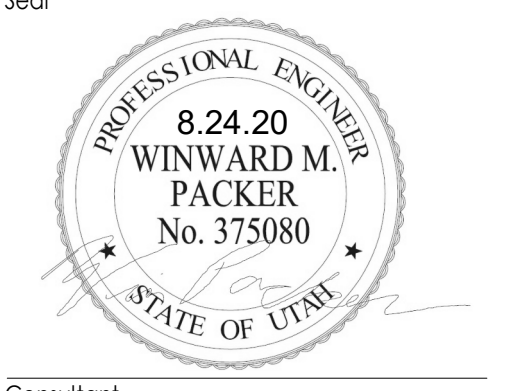
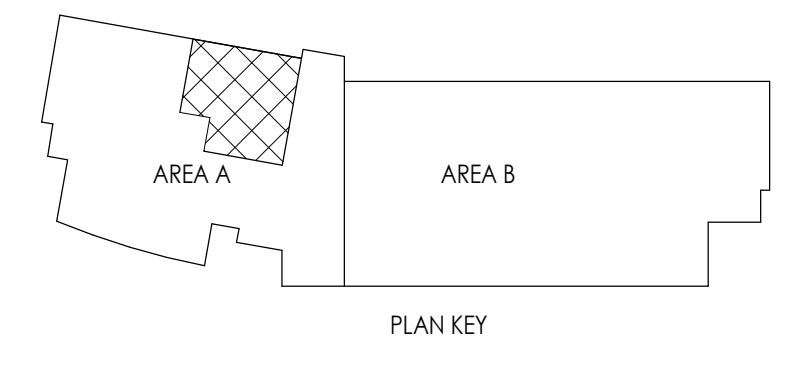
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- SHEET NOTES** #
- 1 TIE INTO EXISTING SANITARY SEWER IN THIS APPROXIMATE LOCATION. FIELD VERIFY EXACT ROUTING OF EXISTING PIPE AND POINTS OF CONNECTION.
  - 2 TIE INTO EXISTING VENT PIPING IN THIS APPROXIMATE LOCATION. FIELD VERIFY EXACT ROUTING OF EXISTING PIPE AND POINTS OF CONNECTION.
  - 3 PROVIDE NEW VENT PIPING IN THIS APPROXIMATE LOCATION. FIELD VERIFY.

PLUMBING SEWER AND VENT  
PLANS AREA A  
3/16" = 1'-0"



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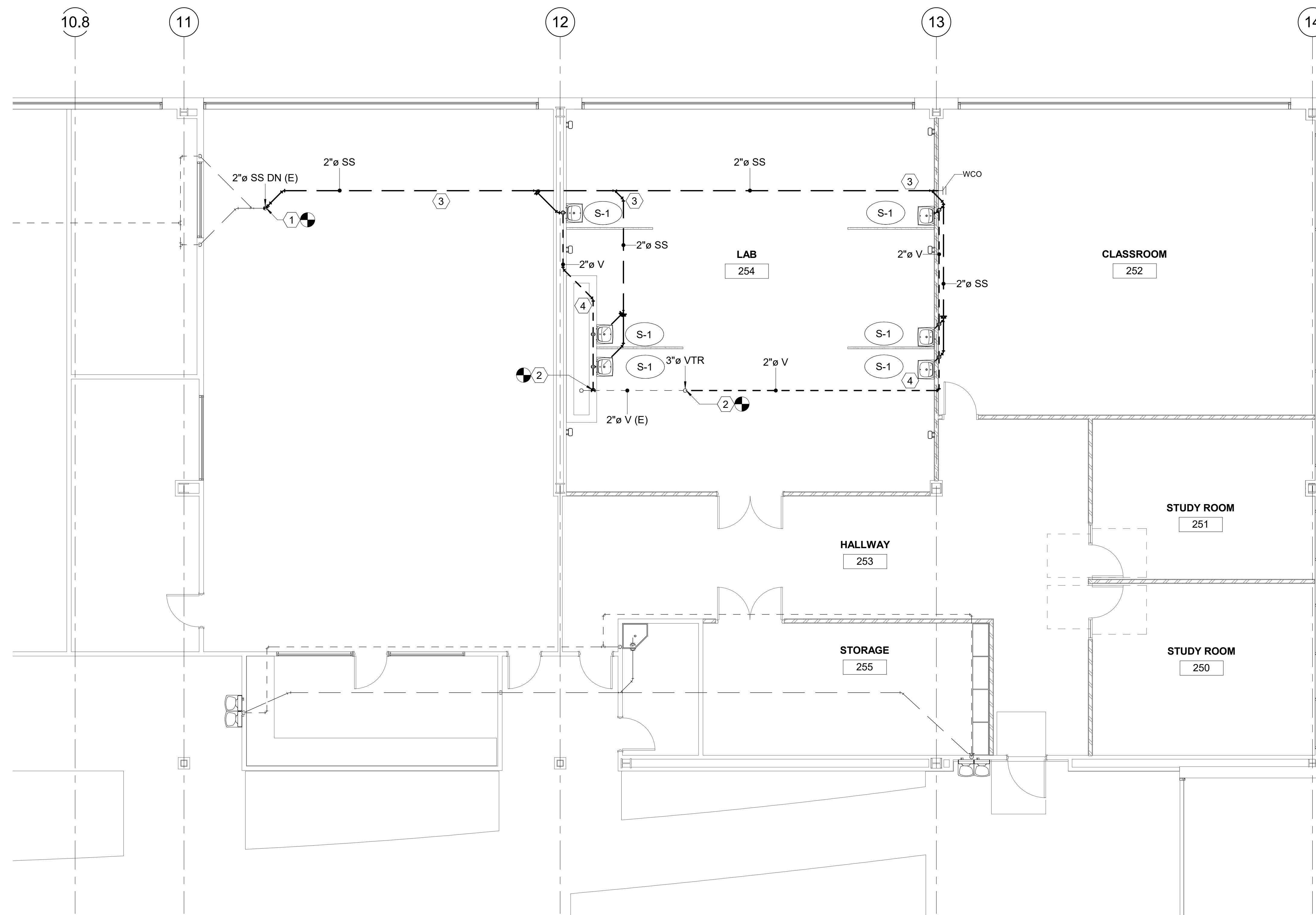
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PLUMBING SEWER AND VENT PLANS AREA A

Sheet Number  
**PE102.1**

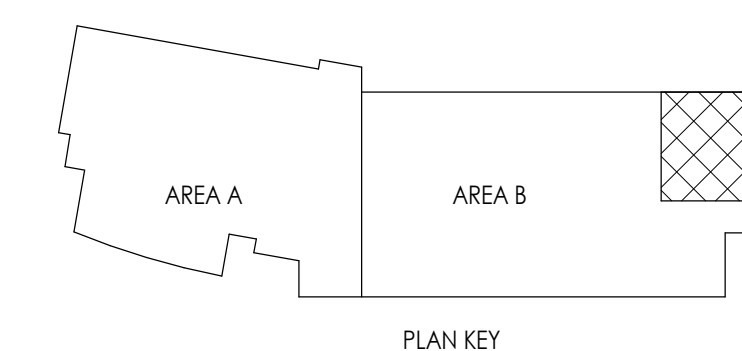
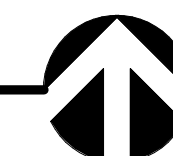
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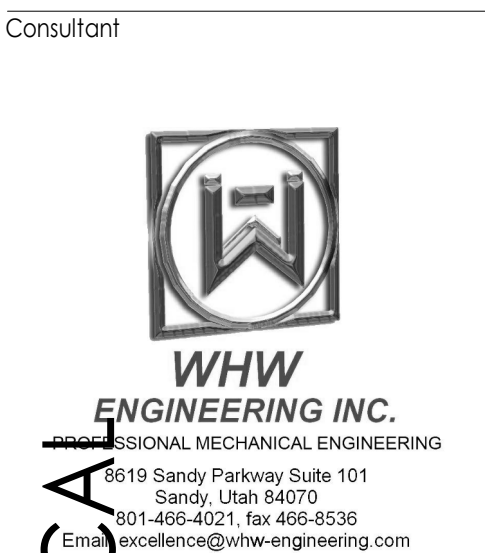
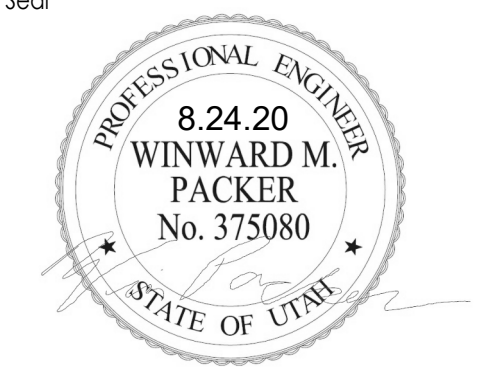
PLUMBING SEWER AND VENT  
PLANS AREA B

3/16" = 1'-0"



SHEET NOTES

- 1 TIE INTO EXISTING SANITARY SEWER IN THIS APPROXIMATE LOCATION. FIELD VERIFY EXACT ROUTING OF EXISTING PIPE AND POINTS OF CONNECTION.
- 2 TIE INTO EXISTING VENT PIPING IN THIS APPROXIMATE LOCATION. FIELD VERIFY EXACT ROUTING OF EXISTING PIPE AND POINTS OF CONNECTION.
- 3 PROVIDE NEW SANITARY SEWER PIPING BELOW THE FLOOR IN THIS APPROXIMATE LOCATION. COORDINATE WORK WITH OWNER.
- 4 PROVIDE NEW VENT PIPING IN THIS APPROXIMATE LOCATION. FIELD VERIFY.



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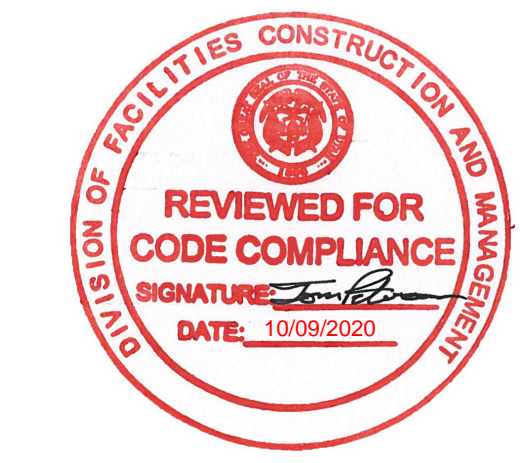
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No.	Date	Description

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PLUMBING VENT AND SEWER PLANS AREA B

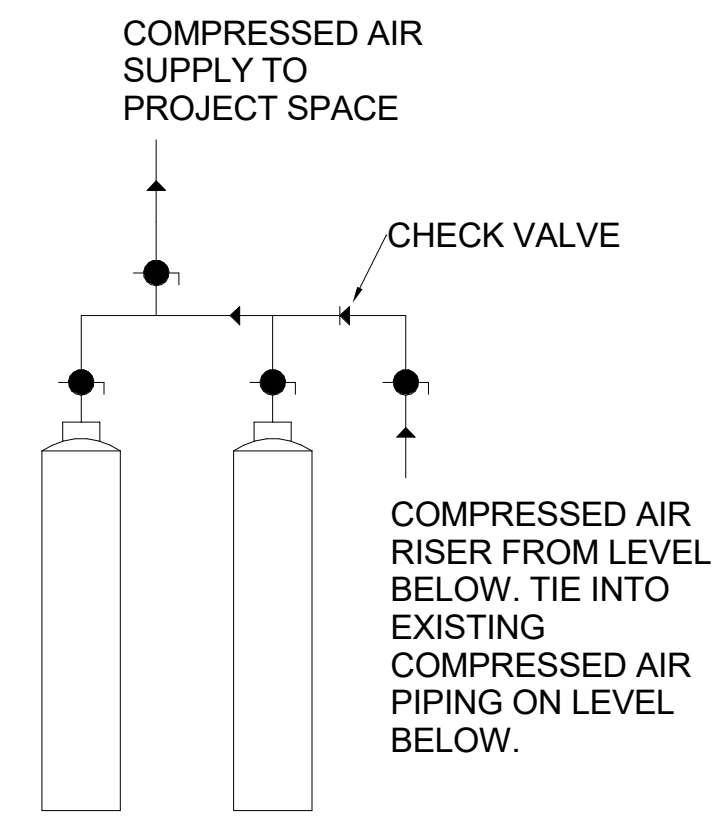
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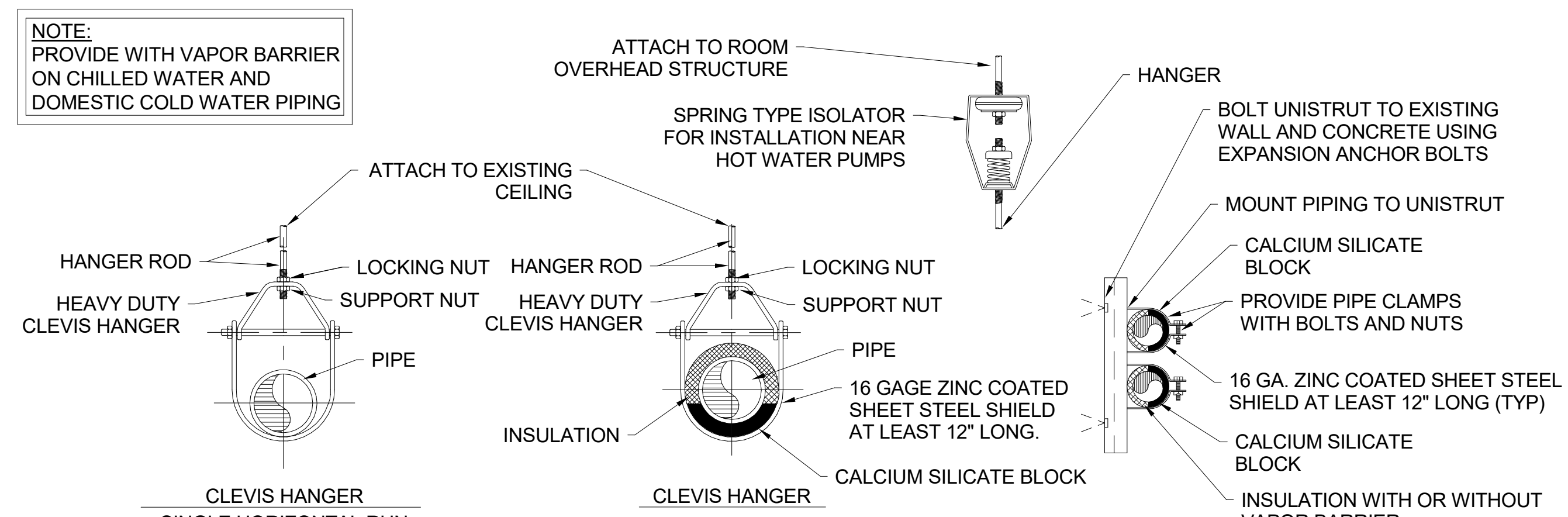


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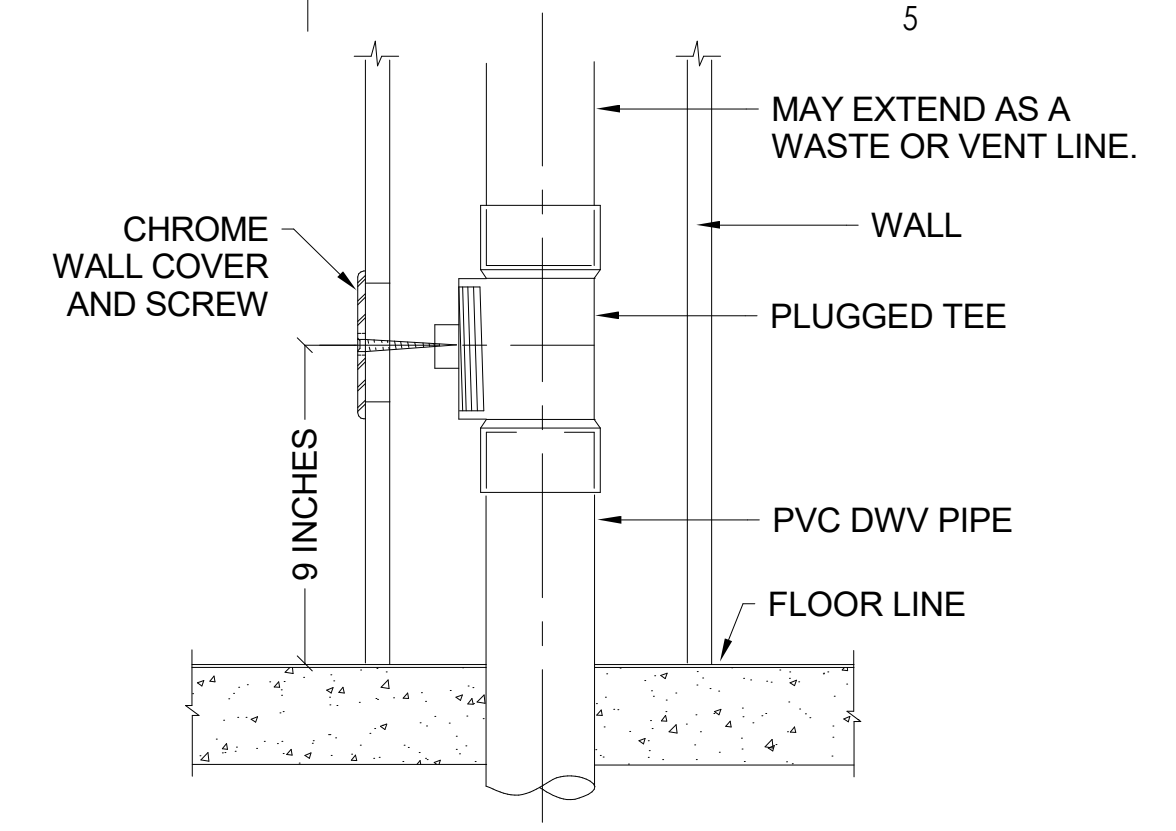




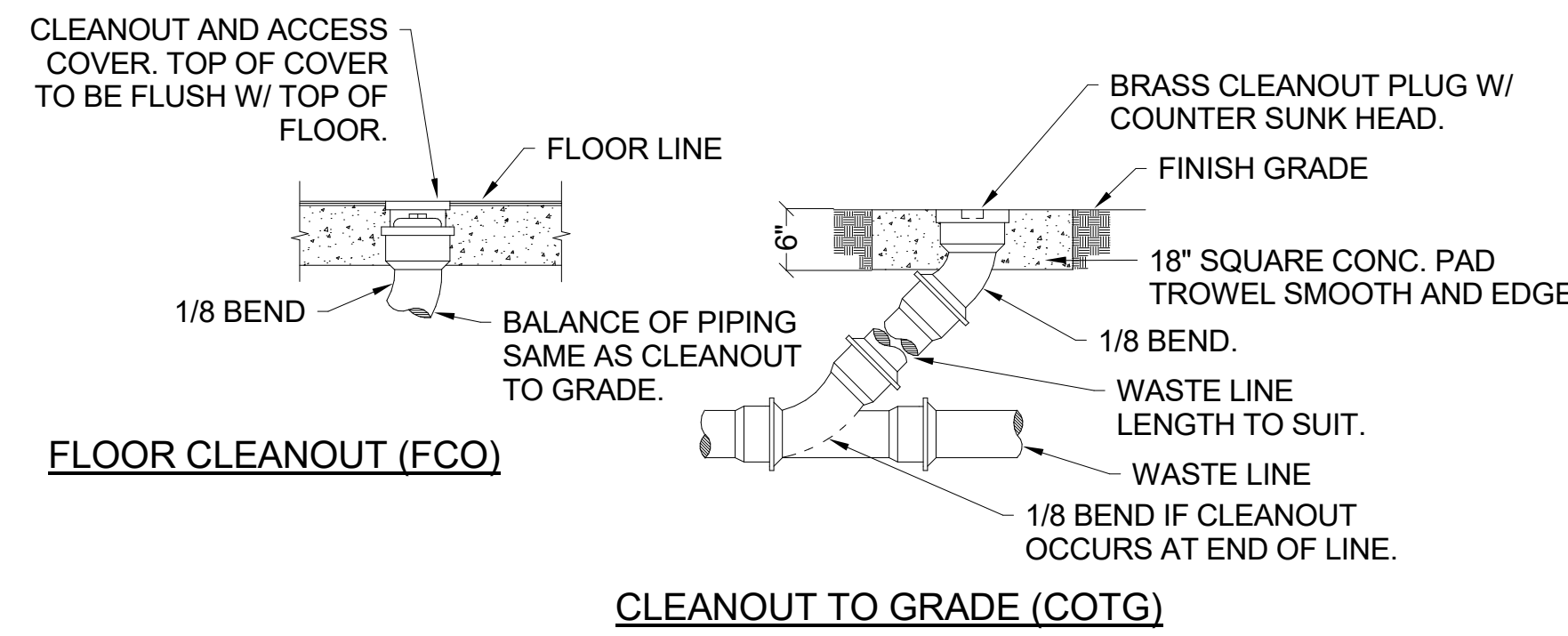
**D1 COMPRESSED AIR STORAGE SYSTEM**  
SCALE: NONE



**D3 PIPE HANGER DETAIL**  
SCALE: NONE

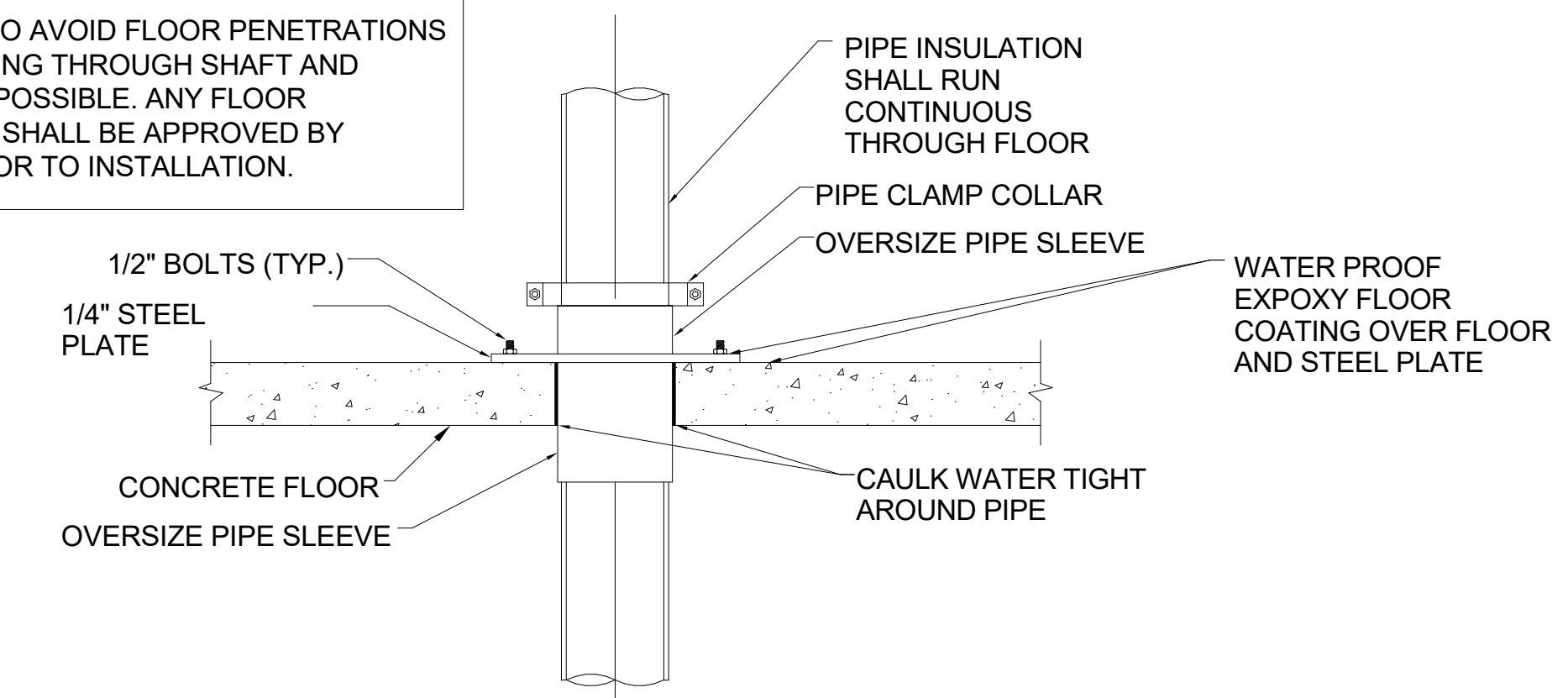


**D4 WALL CLEAN-OUT DETAIL**  
SCALE: NONE

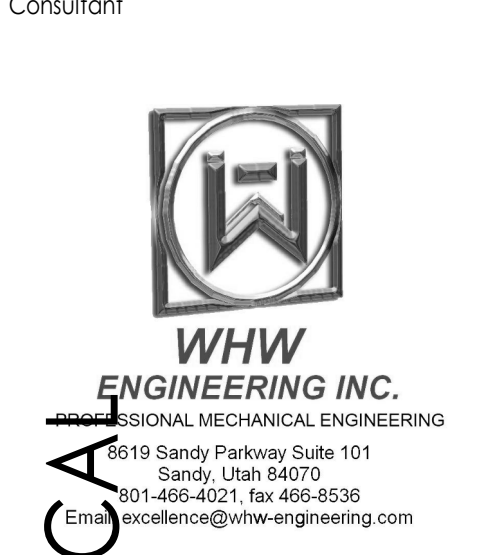
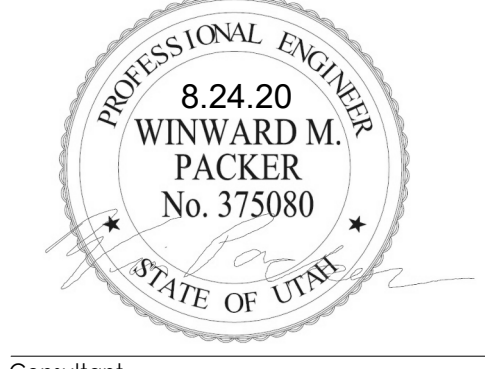


**C2 CLEAN-OUT DETAILS**  
SCALE: NONE

**NOTE:**  
THE INTENT IS TO AVOID FLOOR PENETRATIONS AND ROUTE PIPING THROUGH SHAFT AND WALLS WHERE POSSIBLE. ANY FLOOR PENETRATIONS SHALL BE APPROVED BY ARCHITECT PRIOR TO INSTALLATION.



**C4 PIPE PENETRATION THROUGH FLOOR DETAIL**  
SCALE: NONE



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PLUMBING DETAILS

Sheet Number

PE501

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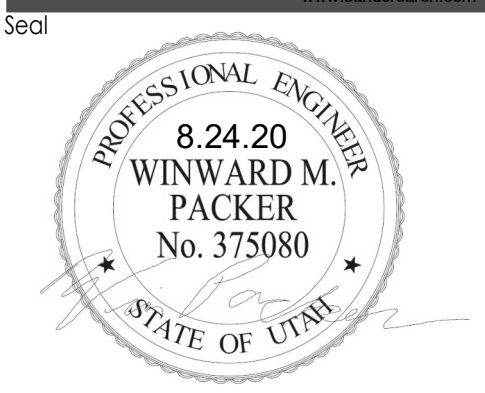


PLUMBING FIXTURE SCHEDULE										(TAG)
EQUIPMENT NUMBER	FIXTURE	PLUMBING PIPE SIZES					POINT OF USE MIXING VALVE?	MAX OUTLET TEMP	REMARKS	SCHEDULE NOTES
		TRAP	WASTE	VENT	COLD WATER	HOT WATER				
S-1	SINK	1 1/2"	1 1/2"	1 1/2"	1/2"	1/2"	Yes	110 °F	PROVIDE A WALL MOUNTED SINK WITH THERMOSTATIC AND PRESSURE MIXING VALVE, KOHLER K-2005 OR EQUAL. PROVIDE WITH GOOSENECK STYLE FAUCET AND WRISTBLADE HANDLES, DELTA 3579LF-WFLGHDF OR EQUAL. 6" x 5 3/4" x 11"	1
S-2	SINK	1 1/2"	1 1/2"	1 1/2"	1/2"	1/2"	Yes	110 °F	COUNTER MOUNTED DROP IN STAINLESS STEEL SINK. JUST 18 GAUGE OR EQUAL. PROVIDE WITH THERMOSTATIC AND PRESSURE MIXING VALVE. PROVIDE WITH GOOSENECK STYLE FAUCET AND WRISTBLADE HANDLES, DELTA 3579LF-WFLGHDF OR EQUAL. 6" x 5 3/4" x 11".	1

1. SEE SPECIFICATIONS FOR OTHER APPROVED MANUFACTURERS.

MEDICAL WALL OUTLETS					(TAG)
EQUIPMENT NUMBER	FIXTURE	PLUMBING PIPE SIZES	REMARKS		SCHEDULE NOTES
			WO-1	OXYGEN	
WO-2	MEDICAL AIR	1/2"	AMICO OHMEDA WALL OUTLET MODEL O-QDWALM-U-AIR. COORDINATE WITH ARCHITECT FOR CONNECTION TYPE AND EXACT POSITIONING ON WALL.		1
WO-3	VACUUM	1/2"	AMICO OHMEDA WALL OUTLET MODEL O-QDWALM-U-VAC. COORDINATE WITH ARCHITECT FOR CONNECTION TYPE AND EXACT POSITIONING ON WALL.		1

1. SEE SPECIFICATIONS FOR OTHER APPROVED MANUFACTURERS.



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PLUMBING SCHEDULES

Sheet Number

**PE601**



DFCM approval



**GENERAL NOTES**

**G-1** - MECHANICAL INFORMATION IS NOT LIMITED TO THE MECHANICAL DRAWINGS. CONTRACTOR SHALL BE RESPONSIBLE FOR INFORMATION OF THE EXISTING BUILDING AND SITE CONDITIONS, EXISTING PIPING, EXISTING ELECTRICAL, AND EXISTING SUPPORTS.

**A** - EACH DRAWING SHEET AND THE SPECIFICATIONS HAVE BEEN PREPARED TO SUPPLEMENT EACH OTHER AND THEY SHALL BE INTERPRETED AS AN INTEGRAL UNIT WITH ITEMS SHOWN AND NOTED ON ONE AND NOT THE OTHER BEING FURNISHED AND INSTALLED AS THOUGH SHOWN AND CALLED OUT IN ALL PLACES. ITEMS IN SPECIFICATIONS OR DRAWINGS LISTED WHICH ARE DIFFERING IN EFFICIENCY OR QUALITY SHALL BE HELD TO THE GREATEST OF: EFFICIENCY, QUALITY OR GOVERNING CODE.

**B** - THE CONTRACTOR WILL BE HELD RESPONSIBLE FOR THE INSTALLATION OF THE SYSTEMS ACCORDING TO THE TRUE INTENT AND MEANING OF THE CONTRACT DOCUMENTS.

**C** - THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT WITH PROPER SERVICE ACCESS AND CLEARANCES ACCORDING TO MANUFACTURERS RECOMMENDATIONS. THE CONTRACTOR SHALL REVIEW SUPPLIERS BID PACKAGES FOR COMPLETENESS AND COMPLIANCE TO THE SPECIFICATIONS, SCHEDULES, AND DESIGN INTENT (ALL EQUIPMENT AND METHODS). THE CONTRACTOR SHALL REMOVE AND REINSTALL CORRECTLY AT HIS OWN EXPENSE ANY EQUIPMENT NOT IN COMPLIANCE.

**D** - THE CONTRACTOR SHALL CONSULT MANUFACTURERS INSTALLATION INSTRUCTIONS FOR SIZES, METHODS, ACCESSORIES, AND CLEARANCES IN SPACE AVAILABLE PRIOR TO BIDDING PROJECT.

**E** - ANYTHING NOT CLEAR OR IN CONFLICT WILL BE EXPLAINED BY MAKING APPLICATION TO THE ENGINEER IN WRITING.

**G-2** - ANY AND ALL ALTERATIONS TO THE SYSTEM SHOWN SHALL BE SUBMITTED TO THE ENGINEER PRIOR TO CHANGES FOR APPROVAL. CONTRACTOR SHALL NOT START ANY CHANGES UNTIL NOTIFIED IN WRITING. IF CHANGES ARE MADE PRIOR TO APPROVAL CONTRACTOR SHALL TAKE ALL RESPONSIBILITY FOR THE CHANGES MADE AND ALL COSTS RELATING TO FAILURE OR REPLACEMENT OF ALTERATIONS.

**G-3** - CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND LOCATIONS.

**G-4** - THE WORKING DRAWINGS ARE DIAGRAMMATIC. THEY DO NOT SHOW EVERY OFFSET, BEND, OR ELBOW NECESSARY FOR THE COMPLETE INSTALLATION IN THE SPACE PROVIDED. ALL LOCATIONS FOR MECHANICAL EQUIPMENT SHALL BE FIELD VERIFIED AND COORDINATED WITH ALL DRAWINGS. THE CONTRACTOR SHALL PROVIDE OR COORDINATE WITH THE GENERAL CONTRACTOR PROVISIONS FOR BLOCKOUTS OR CORE DRILLS THROUGH STRUCTURE.

**G-5** - THE INSTRUCTION TO "PROVIDE" ALSO INCLUDES INSTALLATION.

**G-6** - MECHANICAL CONTRACTOR SHALL PROVIDE AND INSTALL SMOKE AND FIRE DAMPERS AS REQUIRED BY LOCAL CODES AND AUTHORITIES.

**G-7** - SHEET METAL DUCT SIZES SHOWN ON DRAWINGS ARE FREE AREA DIMENSIONS.

**G-8** - PROVIDE AND INSTALL BALANCING DAMPERS IN ALL SUPPLY AND EXHAUST AIR BRANCH DUCTS. BALANCE TO CFM SHOWN ON PLAN.

**G-9** - SEE ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT LOCATION OF DIFFUSERS AND GRILLES.

**G-10** - PROVIDE TURNING VANES IN ALL ELBOWS OF RECTANGULAR DUCT.

**G-11** - THE CONTRACTOR SHALL ASSUME ALL RESPONSIBILITY IN HANDLING AND DISPOSING OF REFRIGERANTS, OILS, ETC. ALL SUCH MATERIALS SHALL BE HANDLED, DISPOSED, AND USED IN ACCORDANCE WITH ALL LOCAL, STATE, AND FEDERAL LAWS.

**G-12** - THE MECHANICAL CONTRACTOR SHALL VERIFY MOTOR VOLTAGES WITH THE ELECTRICAL DRAWING BEFORE ORDERING MOTORIZED EQUIPMENT AND CONTROLS.

**G-13** - C.F.M. LISTED IS ACTUAL AIR.

**G-14** - SUPPLIERS SHALL REVIEW ALL DRAWINGS AND THE SPECIFICATIONS PRIOR TO SUBMITTING PRICES TO THE CONTRACTOR. ALL QUESTIONS AND DISCREPANCIES SHALL BE BROUGHT TO THE ENGINEERS ATTENTION PRIOR TO BIDDING.

**G-15** - CONTRACTOR SHALL THOROUGHLY REVIEW AND SIGN SUBMITTALS FOR COMPLETENESS AND COMPLIANCE TO THE SPECIFICATIONS PRIOR TO ENGINEERS REVIEW. SUPPLIERS SHALL HIGHLIGHT OR MARK ALL INFORMATION REQUIRED TO SHOW COMPLIANCE TO THE SPECIFICATIONS. ALL REQUESTED EXCEPTIONS TO THE SPECIFICATIONS, OR SCHEDULES SHALL BE CLEARLY NOTED AND EXPLAINED. SUBMITTAL REVIEW AND ACCEPTANCE IS FOR DESIGN CONCEPT ONLY, AND DOES NOT AT ANY TIME RELIEVE THE CONTRACTOR OF RESPONSIBILITY TO MEET SPECIFICATIONS, CAPACITIES, OR DESIGN INTENT.

**G-16** - ALL MECHANICAL SHALL BE INSTALLED AND CONFORM TO THE 2018 EDITION OF THE IMC AND IPC WITH UTAH ANNOTATIONS AND LOCAL AUTHORITY REQUIREMENTS.


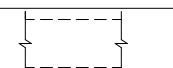





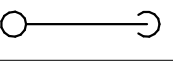
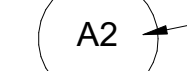
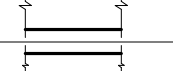

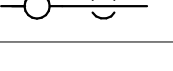
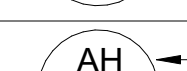
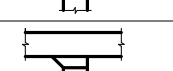
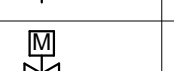

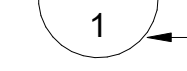
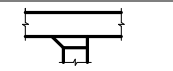
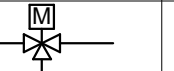
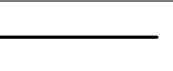
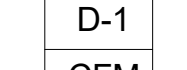

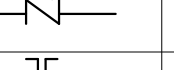
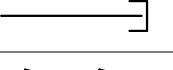
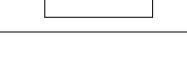
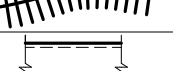
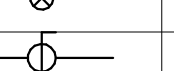

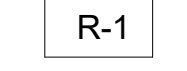
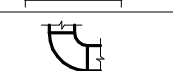
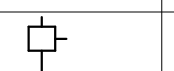
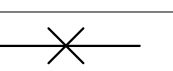

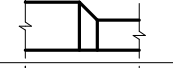
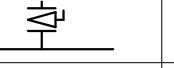
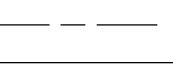

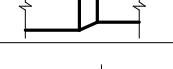
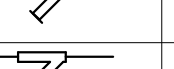
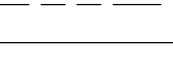
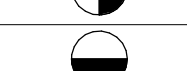


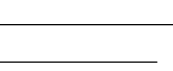

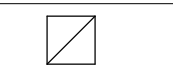

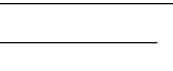

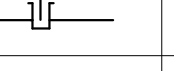

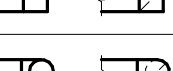
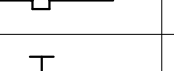

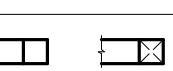
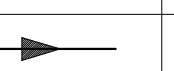
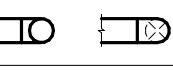



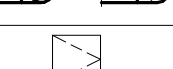

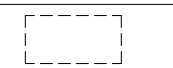

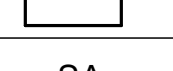



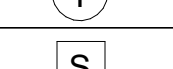








**G-17** - THIS CONTRACTOR SHALL BE RESPONSIBLE FOR THE DRAINING DOWN AND RE-FILLING OF ALL SYSTEMS NECESSARY TO COMPLETE THE WORK OUTLINED BY THIS PROJECT. THIS INCLUDES PROVIDING THE REQUIRED CHEMICAL TREATMENT WHEN RE-FILLING THE SYSTEM.

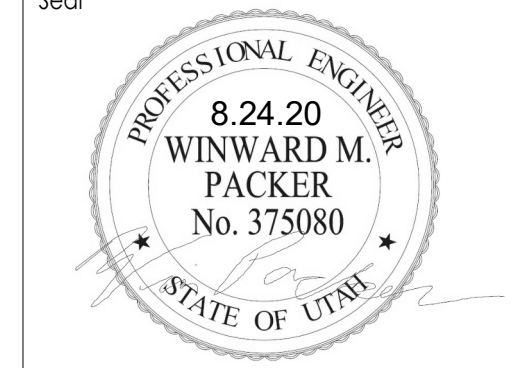
**G-18** - ALL PIPING, MATERIALS, ETC. SHALL BE NEW AND DOMESTIC MADE UNLESS SPECIFICALLY AUTHORIZED IN WRITING PRIOR TO BID.

**G-19** - PROVIDE FIRE SPRINKLER MODIFICATIONS PER PERFORMANCE SPECIFICATION THROUGH NICET LEVEL 3 CERTIFIED DESIGN BUILD FIRE SPRINKLER CONTRACTOR.

**G-20** - THIS CONTRACTOR SHALL CONTRACT WITH A DESIGN BUILD ELECTRICAL CONTRACTOR FOR THE DESIGN AND CONSTRUCTION OF THE ELECTRICAL PORTION OF THIS PROJECT. ELECTRICAL INSTALLATION AND DESIGN SHALL BE PER 2017 NEC.

**MECHANICAL LEGEND**

SYMBOL	ABR.	DESCRIPTION	SYMBOL	ABR.	DESCRIPTION	SYMBOL	ABR.	DESCRIPTION	SYMBOL	ABR.	DESCRIPTION
GENERAL TERMINOLOGY			AIR SIDE			WET SIDE			WET SIDE		
		SECTION LETTER DESIGNATION			EXISTING AIR DUCT TO BE REMOVED			PUMP			PITCH DOWN
		SECTION DRAWN ON THIS SHEET			EXISTING AIR DUCT TO REMAIN			REGULATOR			ELBOW UP/DN
		DETAIL NUMBER DESIGNATION CORRESPONDING WITH GRID LOCATION			NEW AIR DUCT			UNION			TEE UP/DN
		MECHANICAL EQUIPMENT DESIGNATION			RECT TO RECT AIR DUCT TAKE-OFF			BUTTERFLY VALVE			EXISTING PIPING TO BE REMOVED
		EQUIPMENT ITEM DESIGNATION			RECT TO RND AIR DUCT TAKE-OFF			MOTORIZED 2-WAY CONTROL VALVE			EXISTING PIPING TO REMAIN
		REGISTER, GRILLE OR DIFFUSER DESIGNATION WITH BALANCING CFM LISTED BELOW			RND TO RND AIR DUCT TAKE-OFF			MOTORIZED 3-WAY CONTROL VALVE			NEW PIPING
					MEDIUM PRESSURE TAKE-OFF			CHECK VALVE			PIPE CAP OR PLUG
		GRILLE OR LOUVER DESIGNATION WHERE BALANCING NOT REQUIRED			FLEXIBLE AIR DUCT			CIRCUIT BALANCING VALVE			REDUCER - CONCENTRIC / ECCENTRIC
		REVISION DESIGNATOR AND NUMBER			LINED DUCT			BALL VALVE			ANCHOR POINT
		KEY NOTE DESIGNATOR AND NUMBER			RADIUS ELBOW			AUTOMATIC AIR VENT		CW	CULINARY COLD WATER
	POC	POINT OF CONNECTION			ECCENTRIC DUCT TRANSITION			STRAINER		HW	CULINARY HOT WATER
	POR	POINT OF REMOVAL			VOLUME DAMPER			STRAINER W/ PLUG BLOW OFF		HWREC	CULINARY HOT WATER RECIRC
AFF		ABOVE FINISHED FLOOR			SUPPLY AIR DIFFUSER			PRESSURE GAUGE W/ COCK - WATER		HWS	HEATING WATER SUPPLY
AP		ACCESS PANEL			RETURN & TRANSFER AIR GRILLE			THERMOMETER & THERMOWELL		HWR	HEATING WATER RETURN
C EL.		CENTERLINE ELEVATION			EXHAUST GRILLE OR CEILING EXH. FAN			THERMOWELL			
GC		GENERAL CONTRACTOR			RETURN & OUTSIDE AIR DUCT UP/DN			PRESSURE & TEMP TAP			
MC		MECHANICAL CONTRACTOR			RETURN & OA ROUND DUCT UP/DN			PRESSURE & TEMP TAP			
ATC		CONTROLS CONTRACTOR			SUPPLY AIR UDCT UP/DN			DIRECTION OF FLOW			
EC		ELECTRICAL CONTRACTOR			SUPPLY AIR ROUND DUCT UP/DN						
FPC		FIRE PROTECTION CONTRACTOR			EXHAUST AIR DUCT UP/DN						
NIC		NOT IN CONTRACT		AP	EXHAUST AIR ROUND DUCT UP/DN						
NTS		NOT TO SCALE			ACCESS PANEL						
C		COMMON			EXISTING EQUIPMENT TO BE REMOVED						
NC		NORMALLY CLOSED			EXISTING EQUIPMENT TO REMAIN						
NO		NORMALLY OPEN			NEW EQUIPMENT						
					SUPPLY AIR						
					RETURN AIR						
					EXHAUST AIR						
					FLAT OVAL						
				T-STAT	WALL MOUNTED THERMOSTAT						
					WALL MOUNTED TEMP. SENSOR						
				F-STAT	WALL MOUNTED FIRESTAT						
				CO2	CARBON DIOXIDE SENSOR						



**OWTC HEALTH TECHNOLOGY PRACTICAL NURSING EXPANSION**  
 200 N. WASHINGTON BLVD.  
 OGDEN, UT 84404

Issued		
No.	Date	Description
1	8/25/2020	DFCM PLAN REVIEW

Revision		
No.	Date	Description

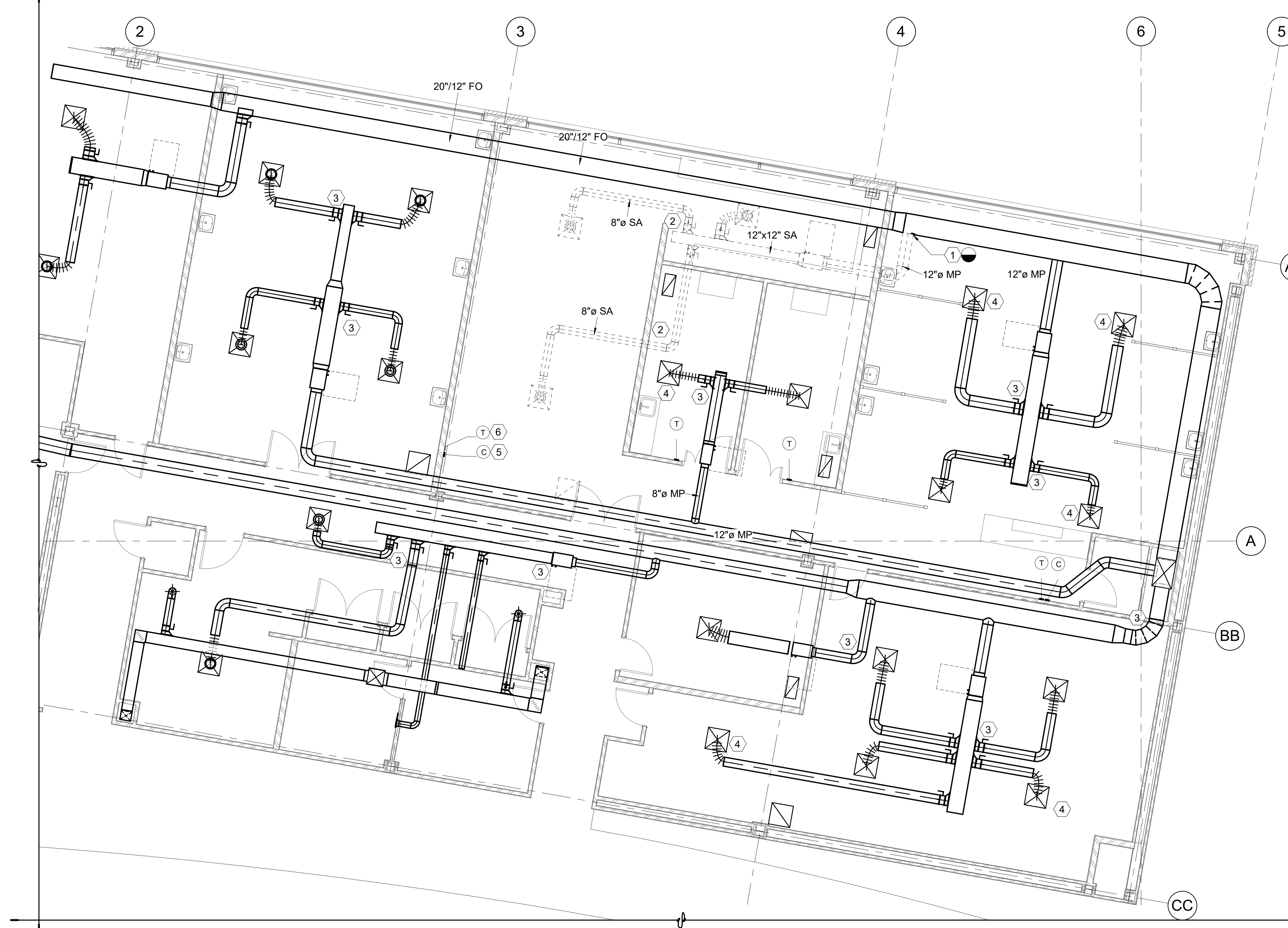
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 SAA Project No. 2020-16  
 Drawing Title



MECHANICAL GENERAL NOTES AND LEGEND

Sheet Number  
**MG001**



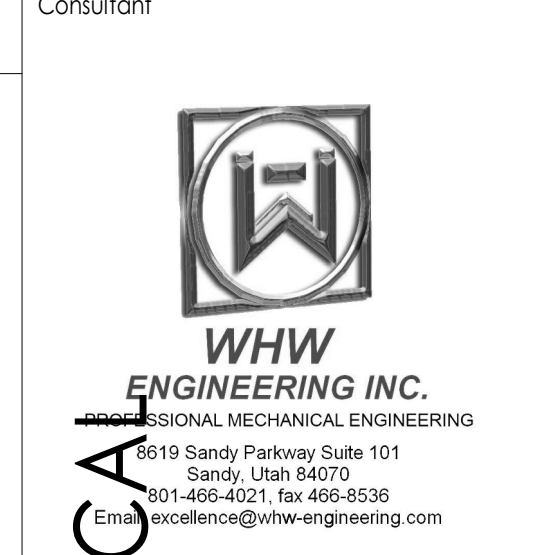
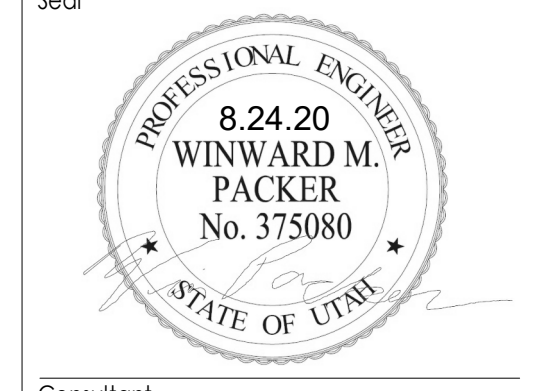
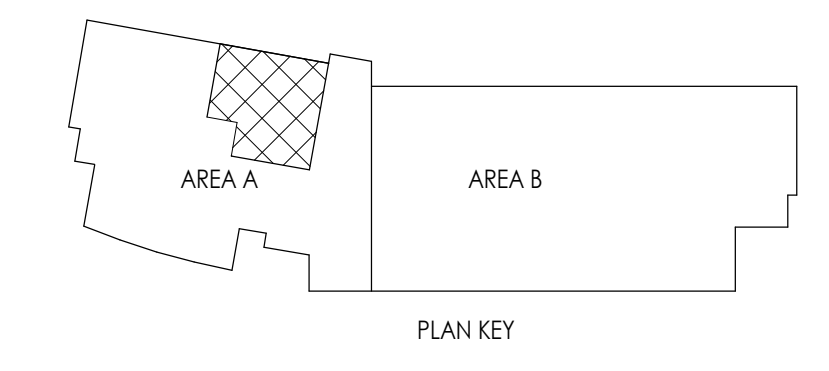
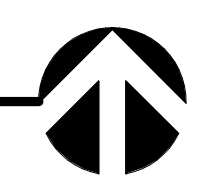


**SHEET NOTES** #

- 1 REMOVE ALL EXISTING DUCTWORK AND ASSOCIATED ITEMS BACK TO THIS APPROXIMATE LOCATION. FIELD VERIFY EXISTING DUCT ROUTING AND POINTS OF REMOVAL.
- 2 REMOVE ALL EXISTING DUCTWORK IN THIS APPROXIMATE LOCATION. FIELD VERIFY EXISTING DUCT ROUTING AND POINTS OF REMOVAL.
- 3 EXISTING MECHANICAL EQUIPMENT IN THIS APPROXIMATE LOCATION SHALL REMAIN.
- 4 EXISTING GRILLE IN THIS APPROXIMATE LOCATION SHALL REMAIN. FIELD VERIFY.
- 5 EXISTING DEMAND CONTROL VENTILATION SENSOR IN THIS APPROXIMATE LOCATION SHALL BE REMOVED AND REPLACED. FIELD VERIFY.
- 6 REMOVE ALL EXISTING TEMPERATURE CONTROLS AND ALL ASSOCIATED ITEMS IN THIS APPROXIMATE LOCATION. FIELD VERIFY.

**GENERAL NOTES\***  
 1. VAV CONTROLLERS TO BE REMOVED IN THIS PROJECT SHALL BE SALVAGED BACK TO OWNER.

MECHANICAL LEVEL 2  
 DEMOLITION PLANS AREA A  
 3/16" = 1'-0"



OWTC HEALTH TECHNOLOGY PRACTICAL  
 NURSING EXPANSION

200 N. WASHINGTON BLVD.  
 OGDEN, UT 84404

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 Drawing Title

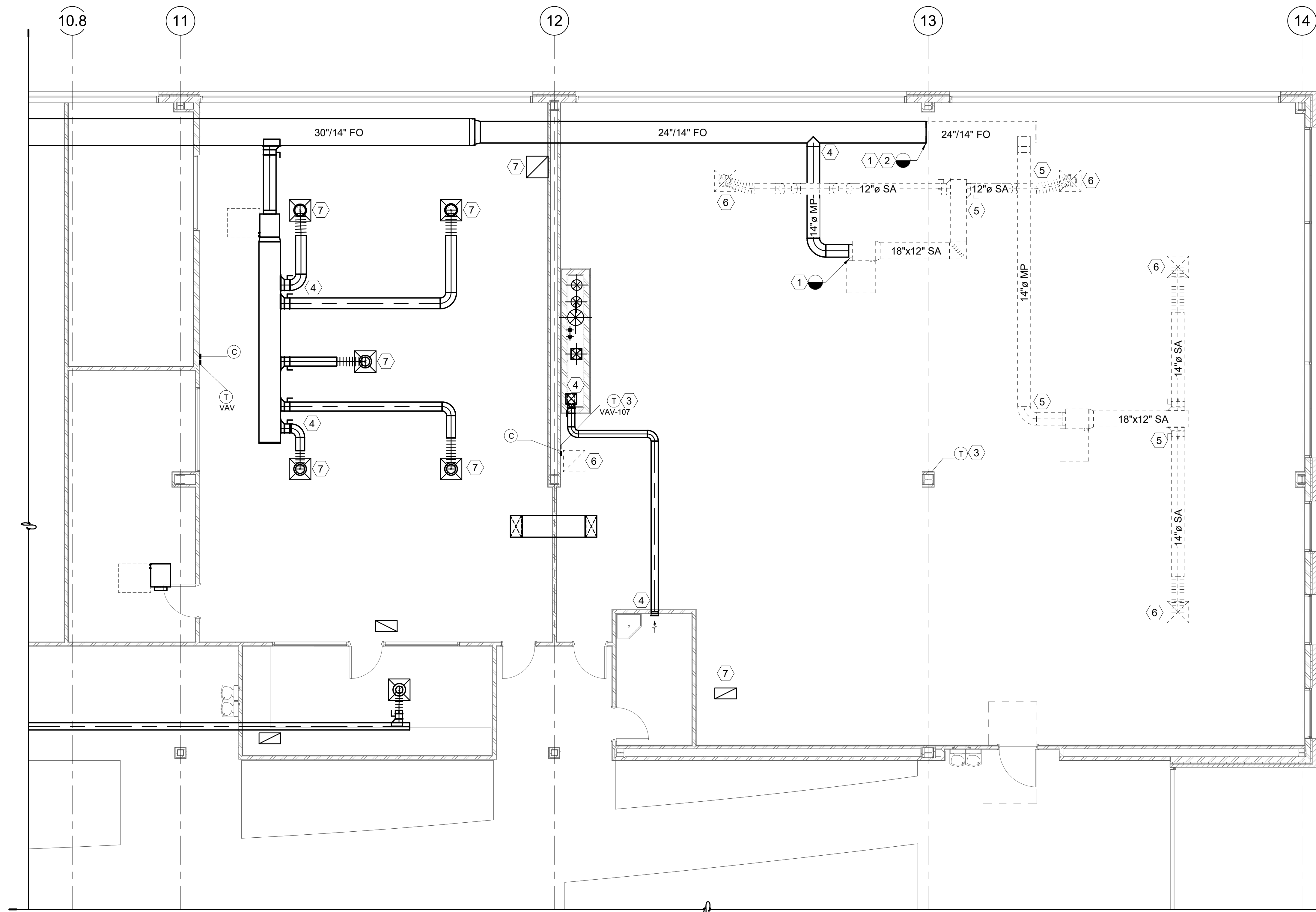
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 DEMOLITION PLANS  
 AREA A

Sheet Number

MD101.1

DFCM approval





**SHEET NOTES** #

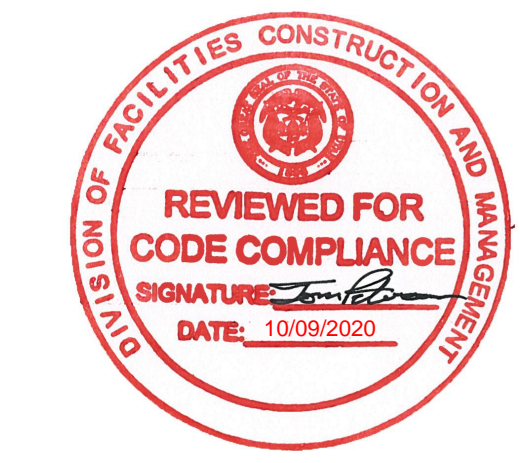
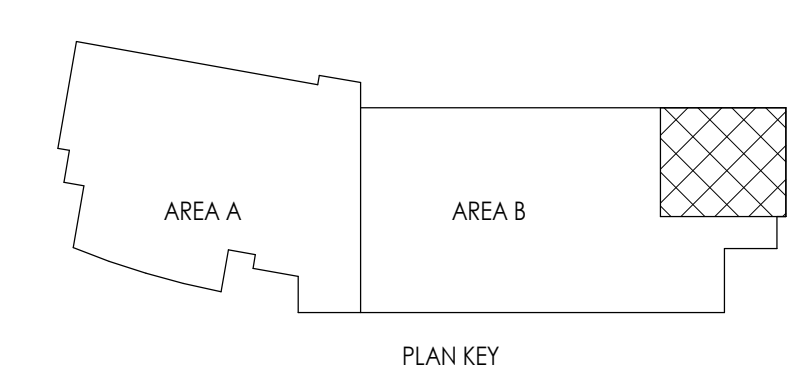
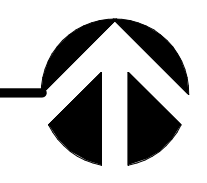
- 1 REMOVE ALL EXISTING DUCTWORK AND ASSOCIATED ITEMS BACK TO THIS APPROXIMATE LOCATION. FIELD VERIFY EXISTING DUCT ROUTING AND POINTS OF REMOVAL.
- 2 REMOVE EXISTING FLAT OVAL MEDIUM PRESSURE DUCT BACK TO THIS APPROXIMATE LOCATION. FIELD VERIFY EXISTING DUCT ROUTING AND POINTS OF REMOVAL.
- 3 REMOVE ALL EXISTING TEMPERATURE CONTROLS AND ALL ASSOCIATED ITEMS IN THIS APPROXIMATE LOCATION. FIELD VERIFY.
- 4 EXISTING MECHANICAL EQUIPMENT IN THIS APPROXIMATE LOCATION SHALL REMAIN.
- 5 REMOVE ALL EXISTING DUCTWORK IN THIS APPROXIMATE LOCATION. FIELD VERIFY EXISTING DUCT ROUTING AND POINTS OF REMOVAL.
- 6 REMOVE EXISTING GRILLE IN THIS APPROXIMATE LOCATION. FIELD VERIFY.
- 7 EXISTING GRILLE IN THIS APPROXIMATE LOCATION SHALL REMAIN. FIELD VERIFY.

**GENERAL NOTES"**

1. VAV CONTROLLERS TO BE REMOVED IN THIS PROJECT SHALL BE SALVAGED BACK TO OWNER.

MECHANICAL LEVEL 2  
DEMOLITION PLANS AREA B

3/16" = 1'-0"



Project Name

**OWTC HEALTH TECHNOLOGY PRACTICAL NURSING EXPANSION**

200 N. WASHINGTON BLVD.  
OGDEN, UT 84404

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Revision

No.	Date	Description

DFCM Project No.

21147240

SA A Project No.

2020-16

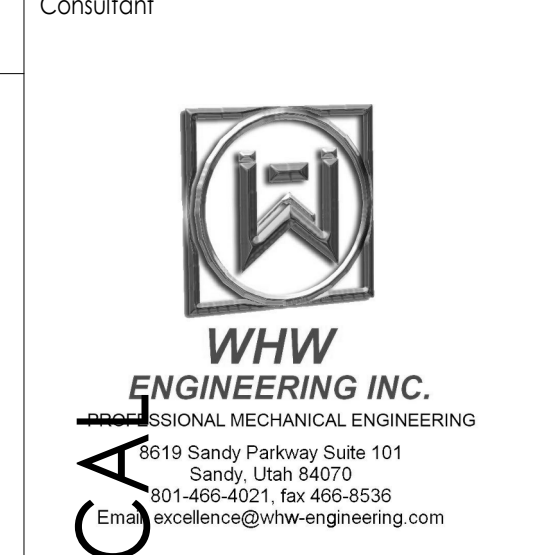
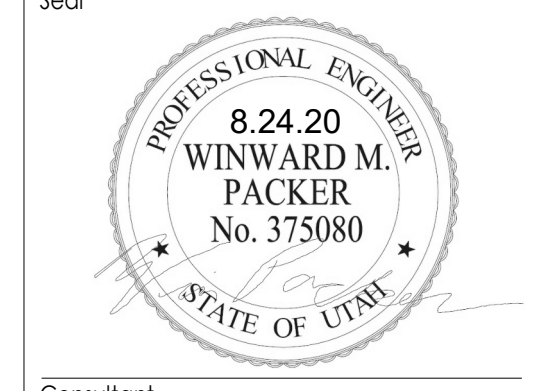
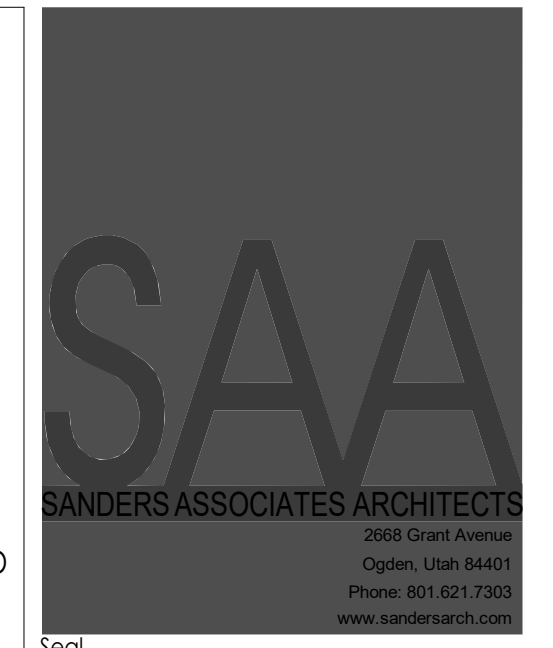
Drawing Title

MECHANICAL LEVEL 2  
DEMOLITION PLANS  
AREA B

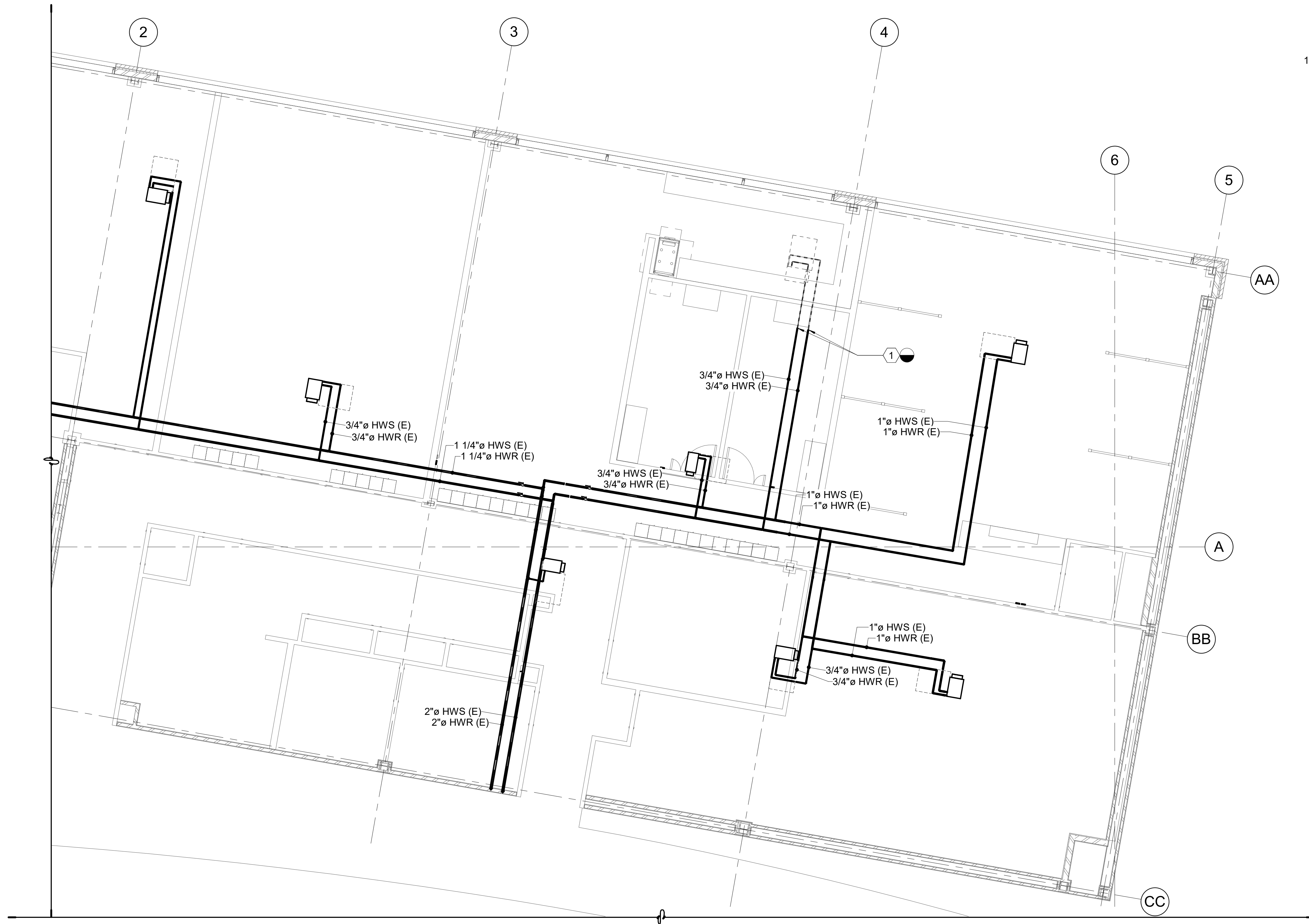
Sheet Number

**MD101.2**

DFCM approval







**SHEET NOTES** #

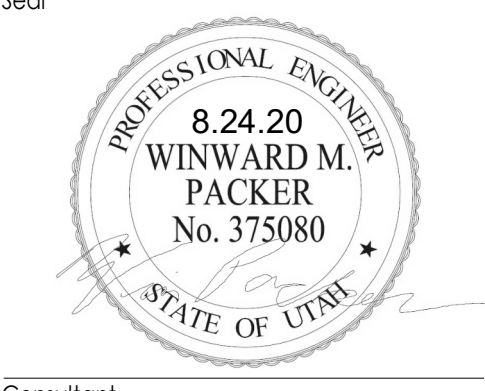
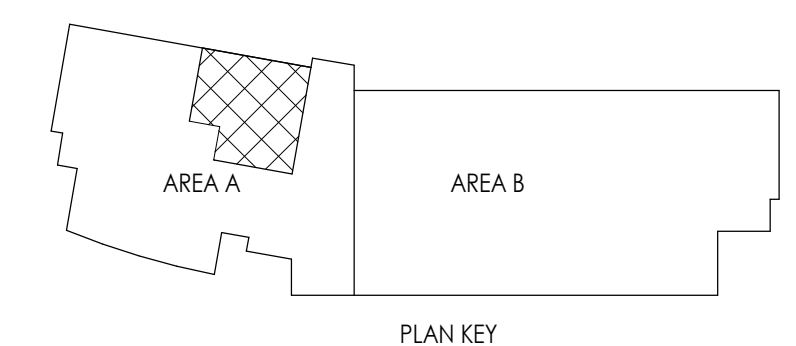
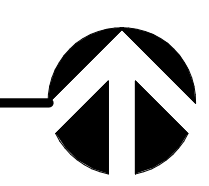
- 1 REMOVE EXISTING MECHANICAL PIPING BACK TO THIS APPROXIMATE LOCATION. FIELD VERIFY EXISTING PIPE ROUTING AND POINTS OF REMOVAL.

**GENERAL NOTES\***

1. VAV CONTROLLERS, CONTROL VALVES AND PIPING SPECIALTIES TO BE REMOVED IN THIS PROJECT SHALL BE SALVAGED BACK TO OWNER.

MECHANICAL PIPING LEVEL 2  
DEMOLITION PLANS AREA A

3/16" = 1'-0"



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 Drawing Title

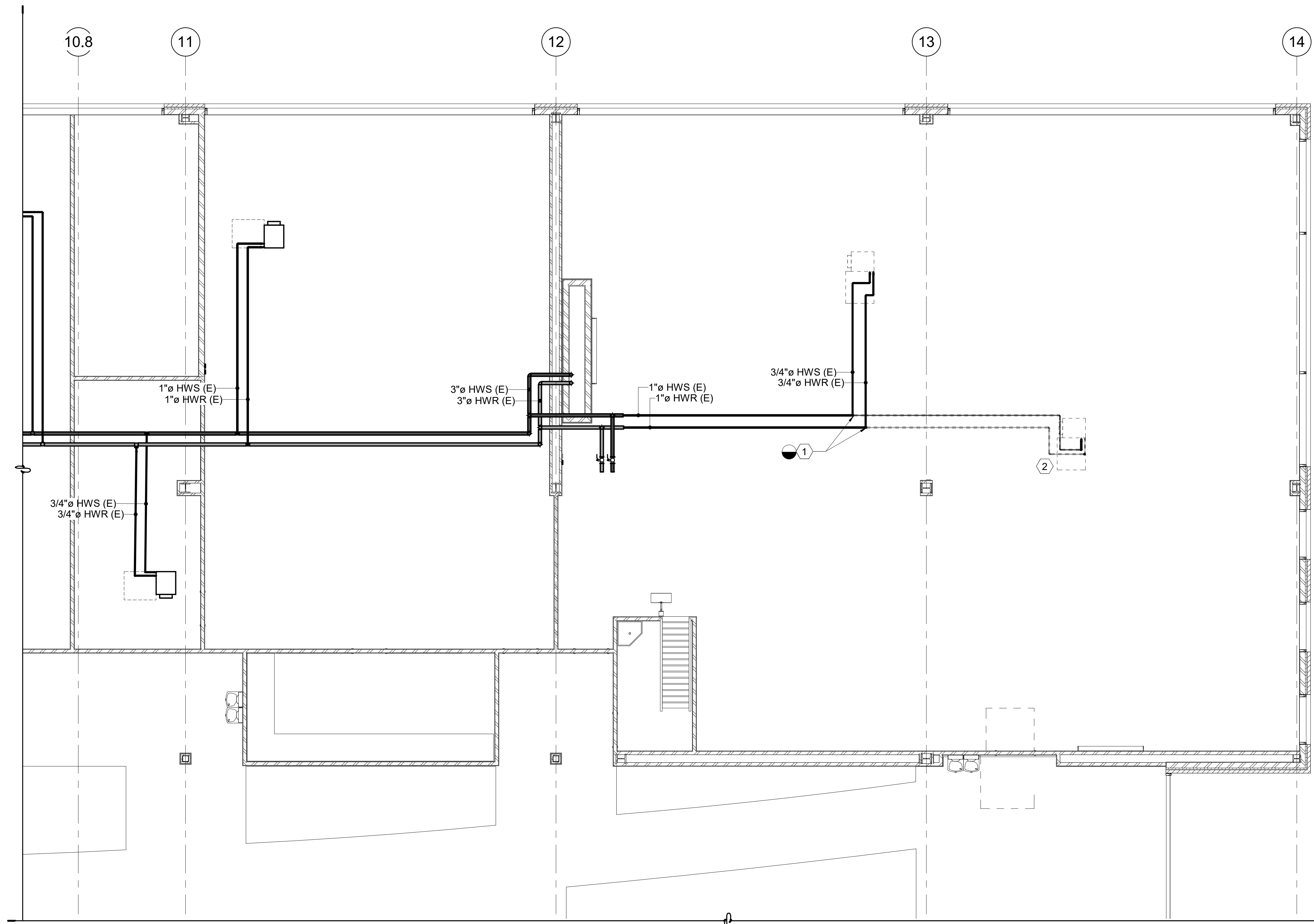
MECHANICAL PIPING  
 LEVEL 2 DEMOLITION  
 PLANS AREA A

Sheet Number

MD102.1

DFCM approval





**SHEET NOTES** #

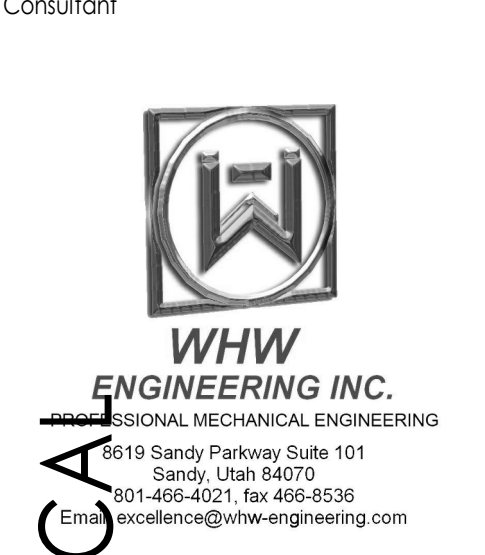
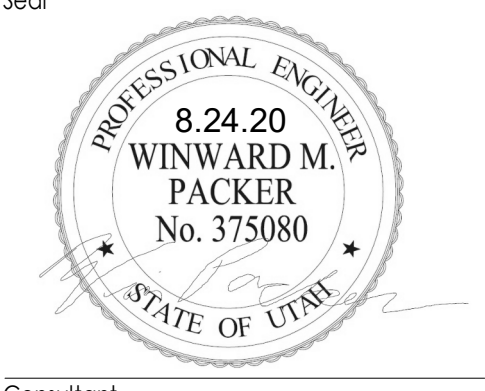
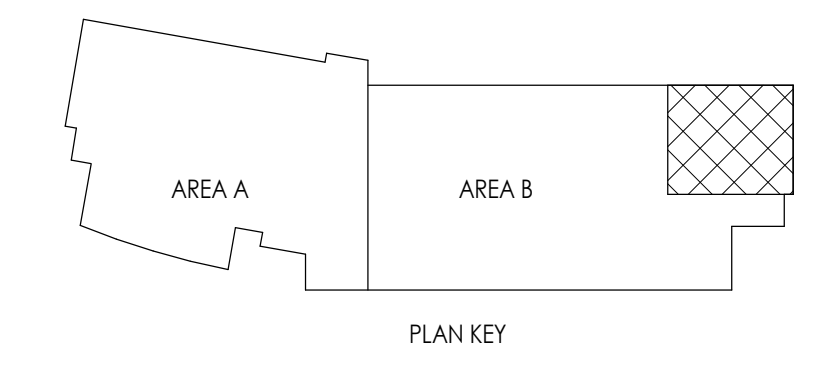
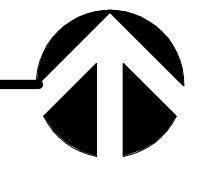
- 1 REMOVE EXISTING MECHANICAL PIPING BACK TO THIS APPROXIMATE LOCATION. CAP PIPES. FIELD VERIFY EXISTING PIPE ROUTING AND POINTS OF REMOVAL.
- 2 REMOVE EXISTING VAV BOX, ALL ASSOCIATED ITEMS AND CONTROLS IN THIS APPROXIMATE LOCATION. FIELD VERIFY.

**GENERAL NOTES\***

1. VAV CONTROLLERS, CONTROL VALVES AND PIPING SPECIALTIES TO BE REMOVED IN THIS PROJECT SHALL BE SALVAGED BACK TO OWNER.

**MECHANICAL PIPING LEVEL 2  
DEMOLITION PLANS AREA B**

3/16" = 1'-0"



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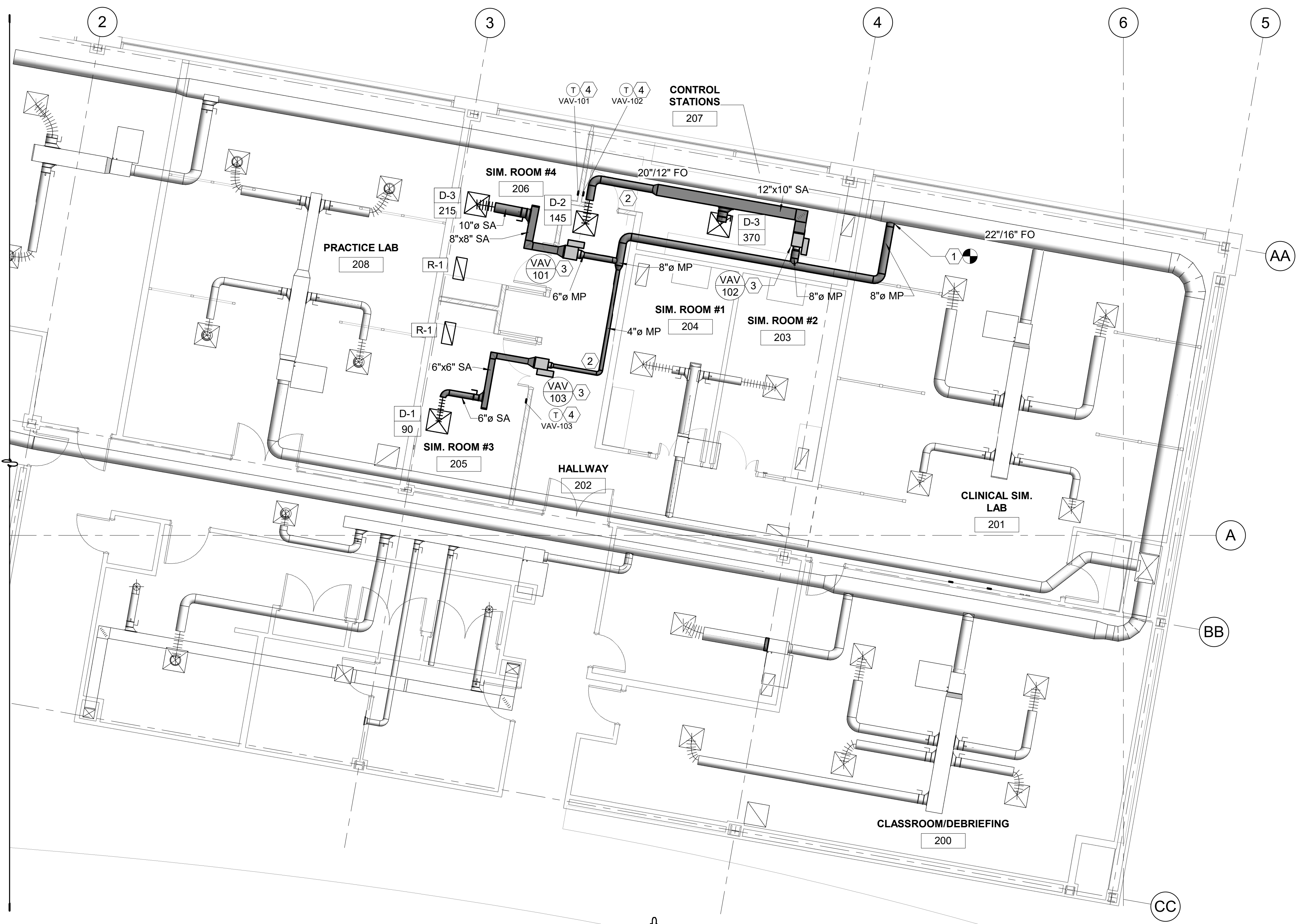
**MECHANICAL PIPING  
LEVEL 2 DEMOLITION  
PLANS AREA B**

Sheet Number

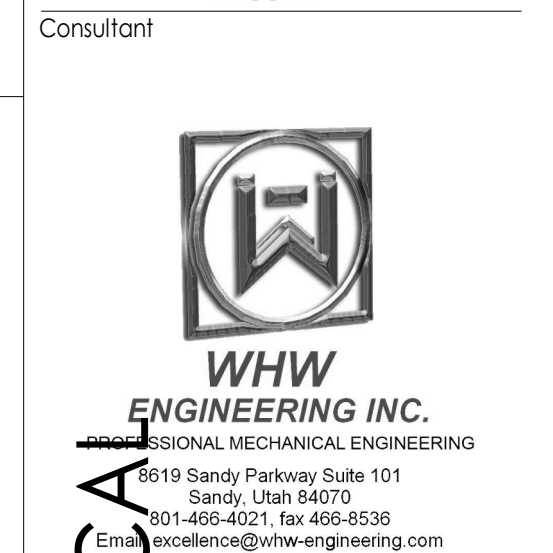
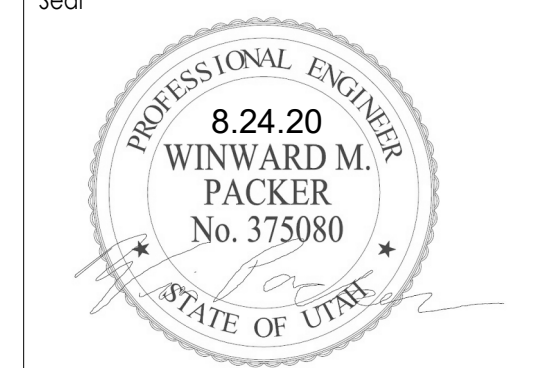
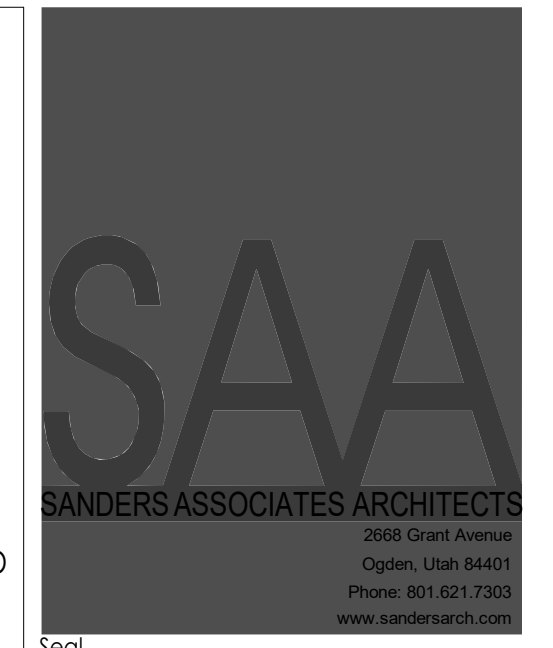
**MD102.2**

DFCM approval





- SHEET NOTES** #
- 1 TIE INTO MEDIUM PRESSURE DUCT IN THIS APPROXIMATE LOCATION. FIELD VERIFY.
  - 2 PROVIDE NEW DUCTWORK IN THIS APPROXIMATE LOCATION. FIELD VERIFY.
  - 3 PROVIDE NEW VAV BOX IN THIS APPROXIMATE AREA. FIELD VERIFY.
  - 4 PROVIDE NEW 7 DAY PROGRAMMABLE THERMOSTAT 4' AFF IN THIS APPROXIMATE LOCATION.



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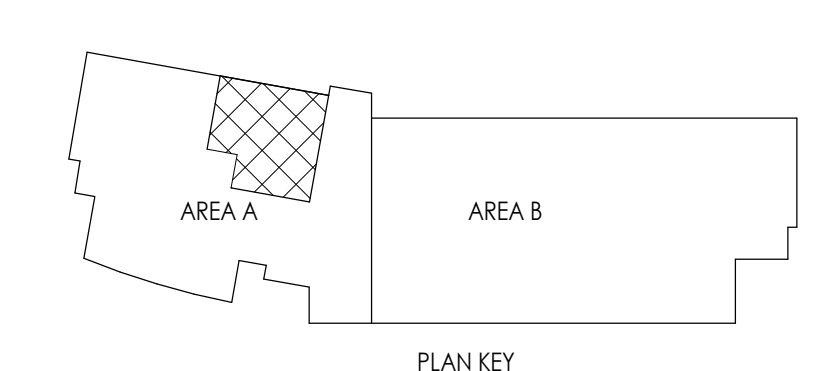
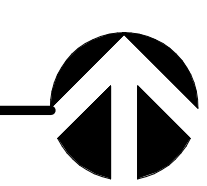
Project Name

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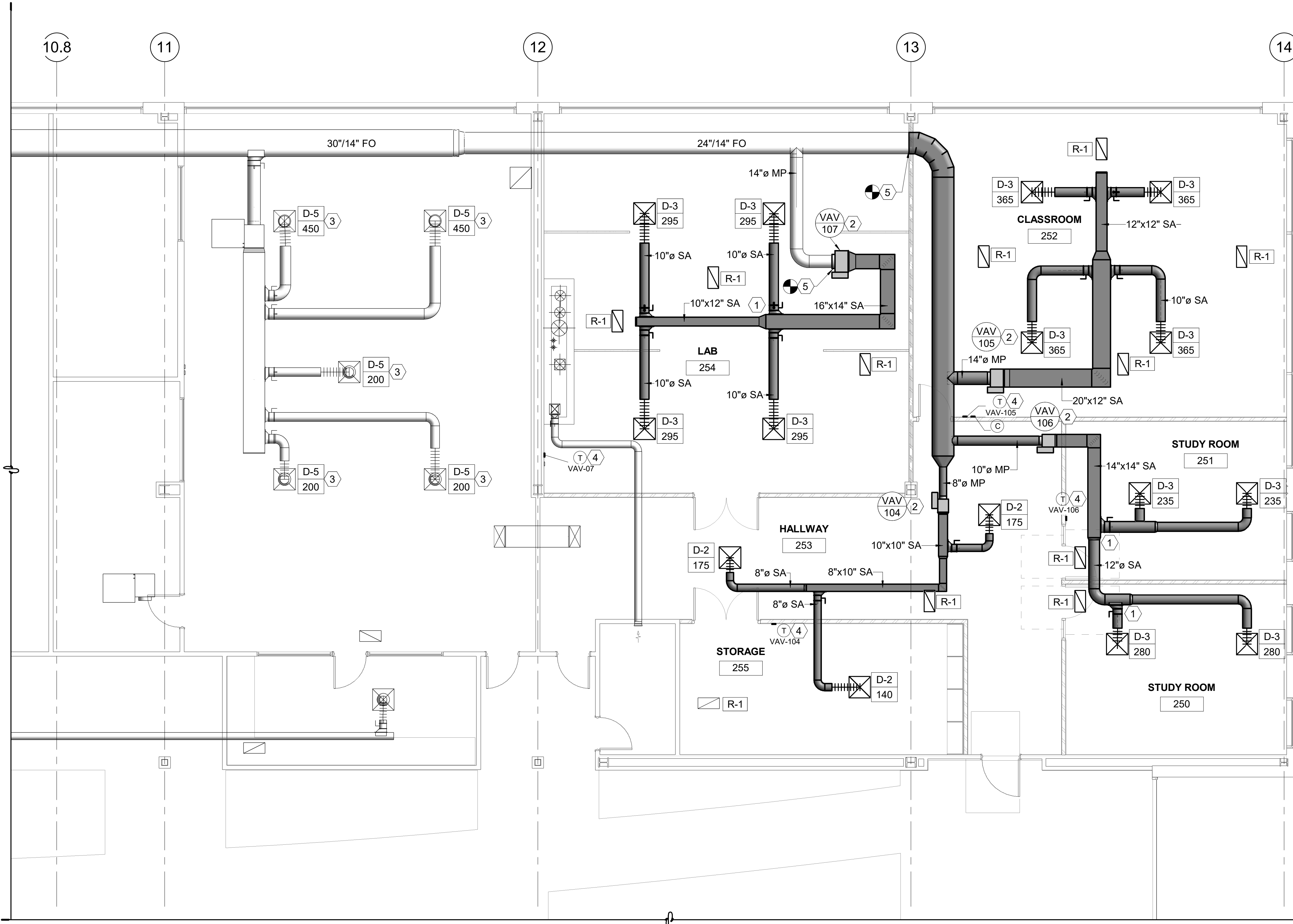
DFCM Project No. 21147240  
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MECHANICAL LEVEL 2 PLANS AREA A  
Sheet Number  
**ME101.1**

MECHANICAL LEVEL 2 PLANS  
AREA A  
3/16" = 1'-0"



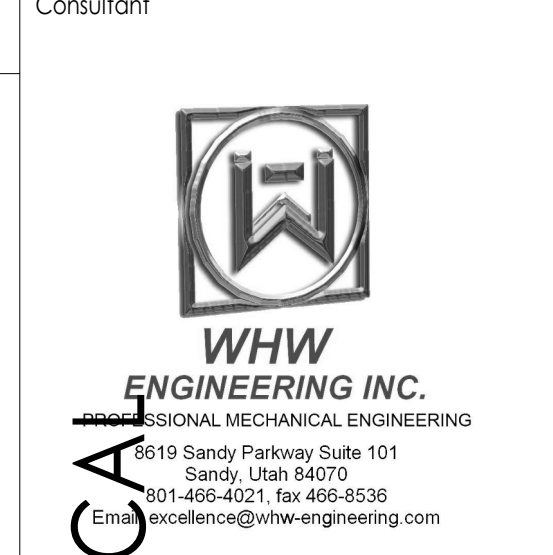
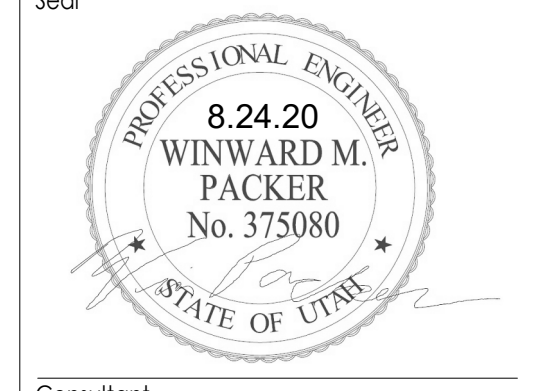
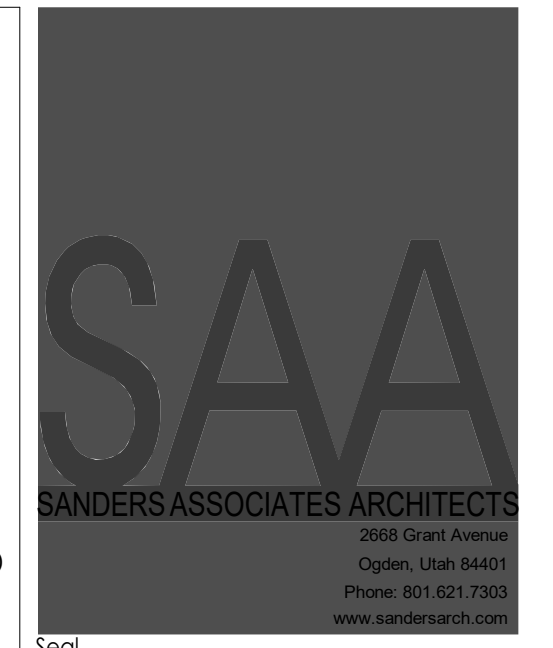
DFCM approval





**SHEET NOTES** (#)

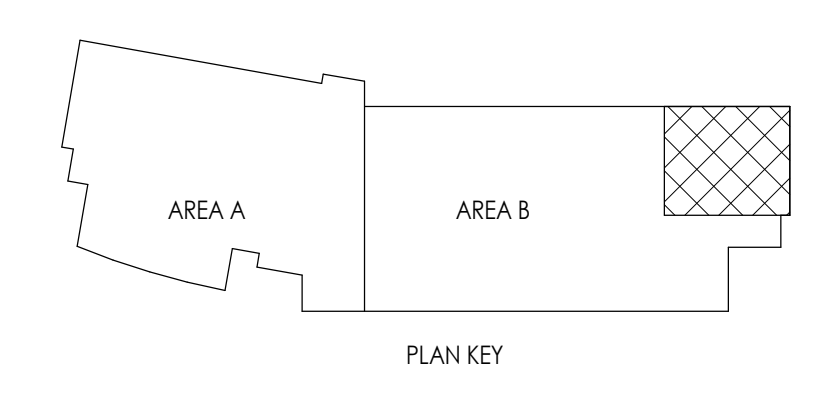
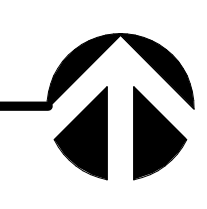
- 1 PROVIDE NEW DUCTWORK IN THIS APPROXIMATE LOCATION. FIELD VERIFY.
- 2 PROVIDE NEW VAV BOX IN THIS APPROXIMATE AREA. FIELD VERIFY.
- 3 REBALANCE EXISTING DIFFUSER GRILLE IN THIS APPROXIMATE LOCATION. REBALANCE MUST BE PROVIDED BY AN APPROVED AND LICENSED TEST AND BALANCE CONTRACTOR.
- 4 PROVIDE NEW 7 DAY PROGRAMMABLE THERMOSTAT 4' AFF IN THIS APPROXIMATE LOCATION.
- 5 TIE INTO MEDIUM PRESSURE DUCT IN THIS APPROXIMATE LOCATION. FIELD VERIFY.



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MECHANICAL LEVEL 2 PLANS  
 AREA B

3/16" = 1'-0"



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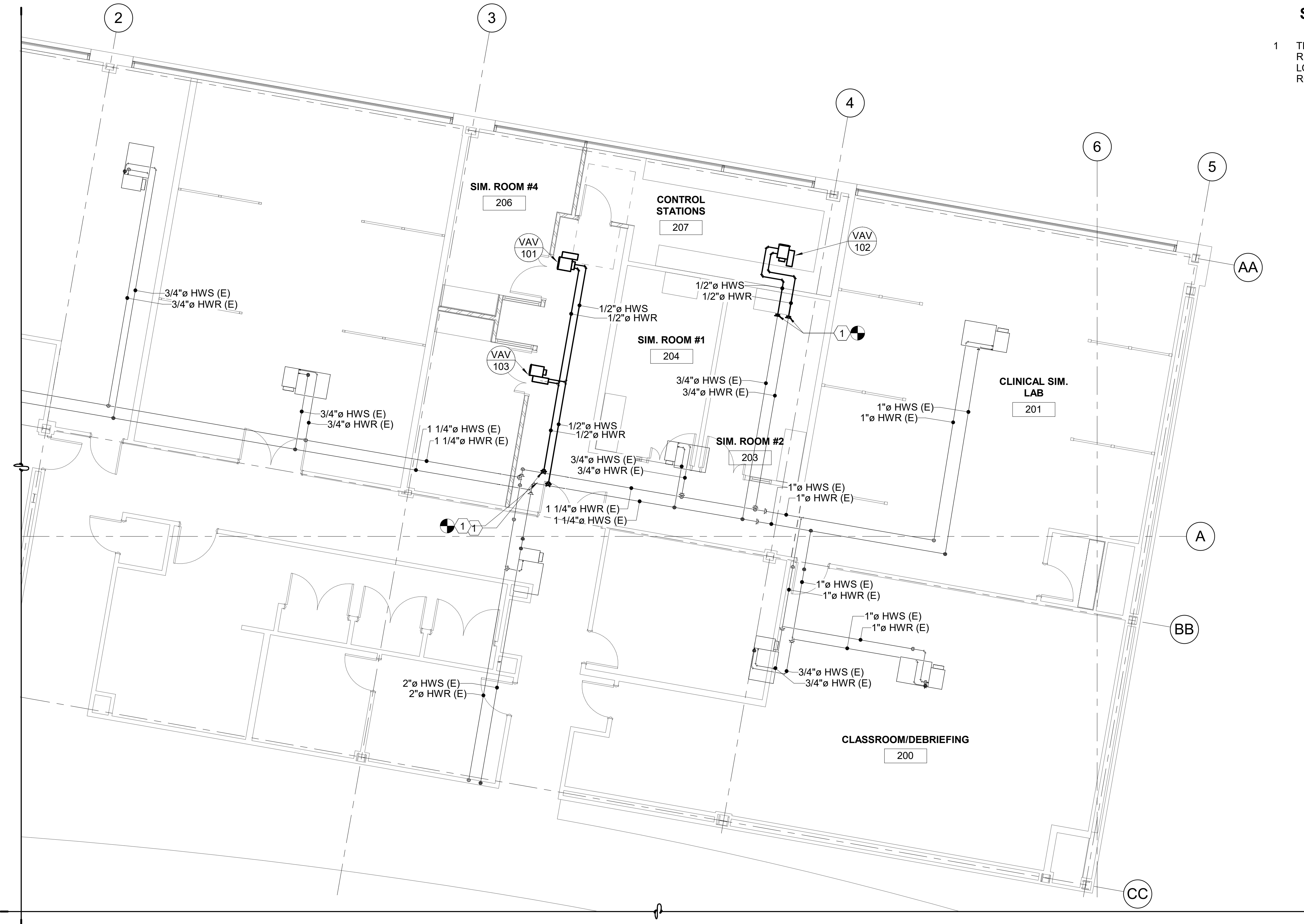
MECHANICAL LEVEL 2  
 PLANS AREA B

Sheet Number

**ME101.2**

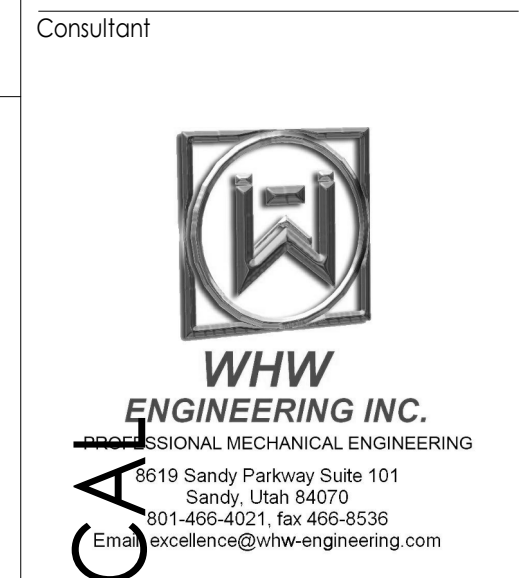
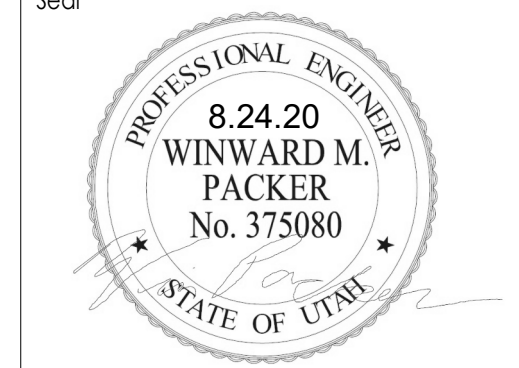
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**SHEET NOTES**

- 1 TIE INTO EXISTING HWS AND HWR RESPECTIVELY IN THIS APPROXIMATE LOCATION. FIELD VERIFY EXISTING PIPE ROUTING AND POINTS OF CONNECTION.



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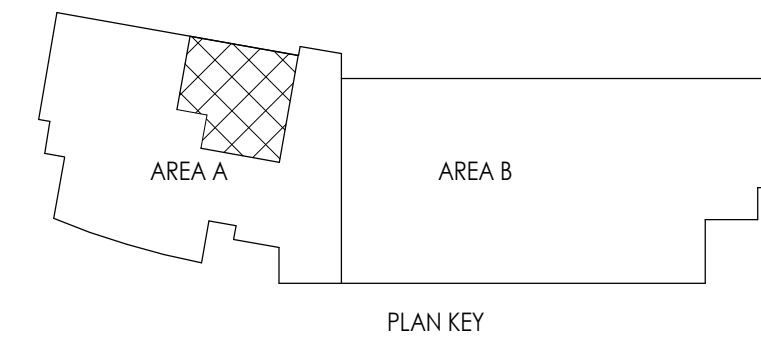
MECHANICAL PIPING LEVEL 2 PLANS AREA A

Sheet Number

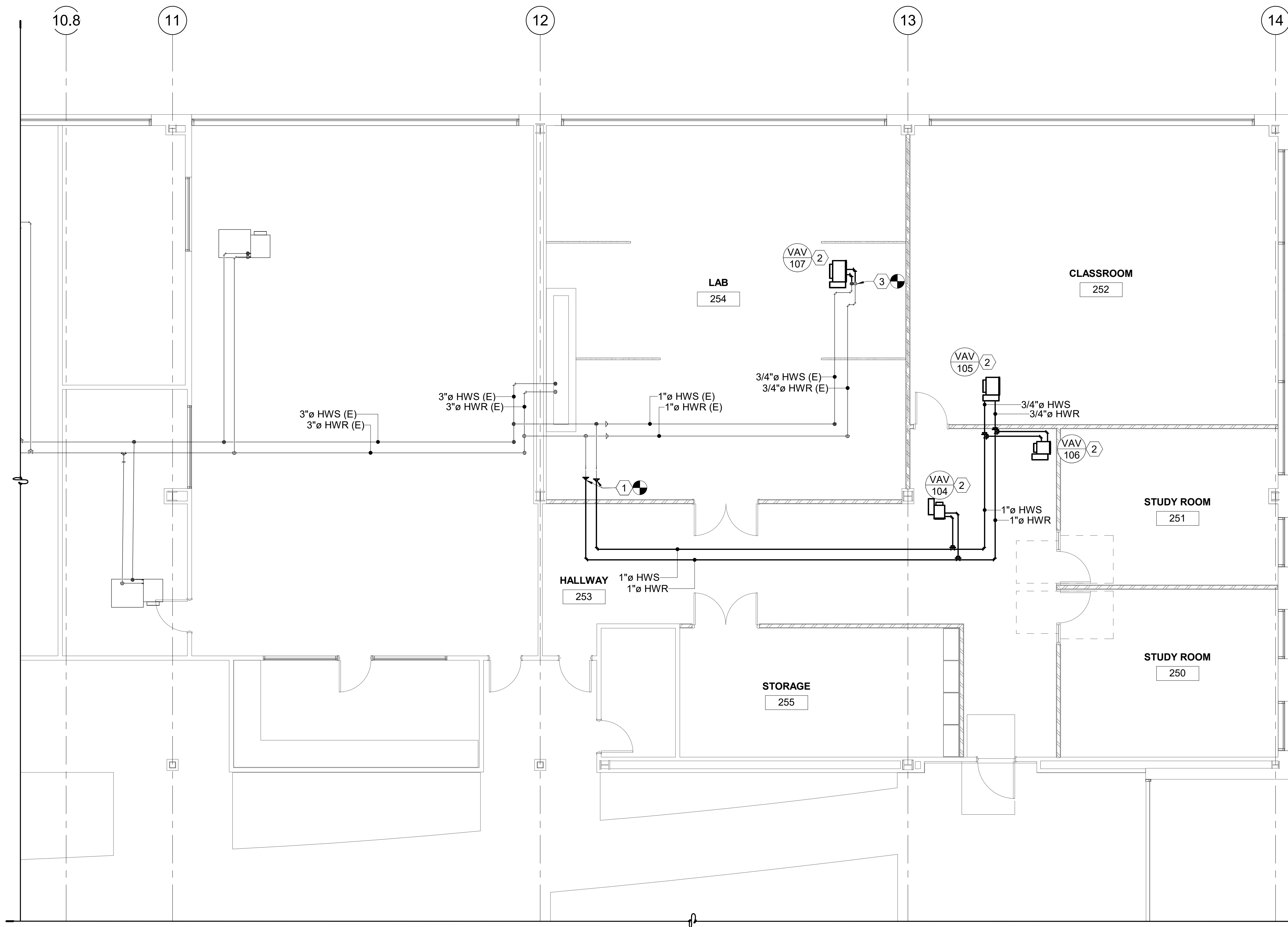
**ME102.1**



DFCM approval



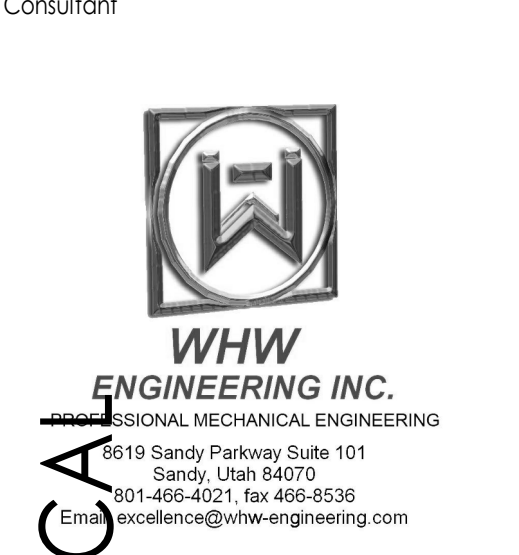
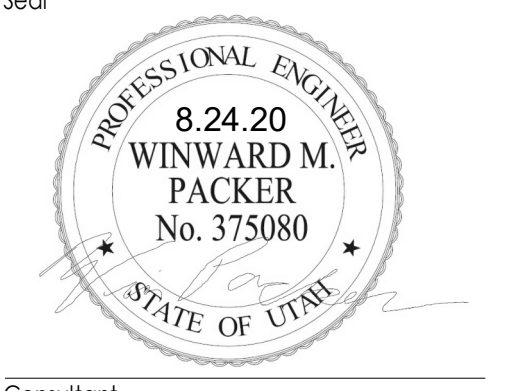
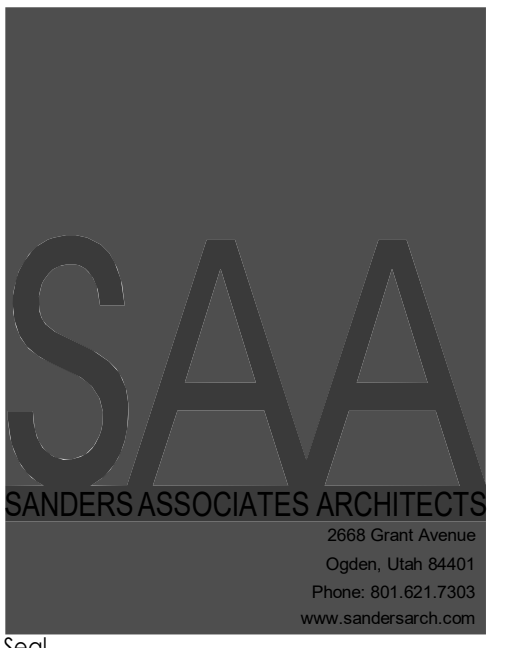
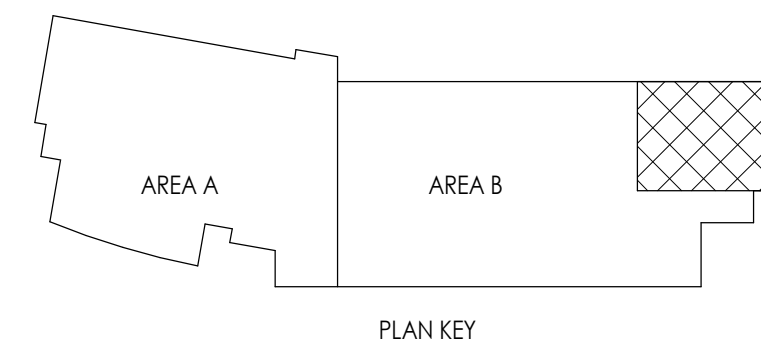
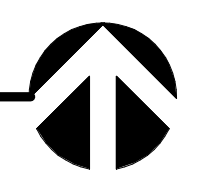




- SHEET NOTES** (#)
- 1 TIE INTO EXISTING HWS AND HWR THAT HAS BEEN DESIGNATED FOR FUTURE USE AFTER THE SHUT OFF VALVE. FIELD VERIFY EXISTING PIPE ROUTING AND POINTS OF CONNECTION.
  - 2 PROVIDE NEW VAV BOX IN THIS APPROXIMATE AREA. FIELD VERIFY.
  - 3 TIE INTO EXISTING HWR AND HWS IN THIS APPROXIMATE AREA. FIELD VERIFY.

MECHANICAL PIPING LEVEL 2  
PLANS AREA B

3/16" = 1'-0"



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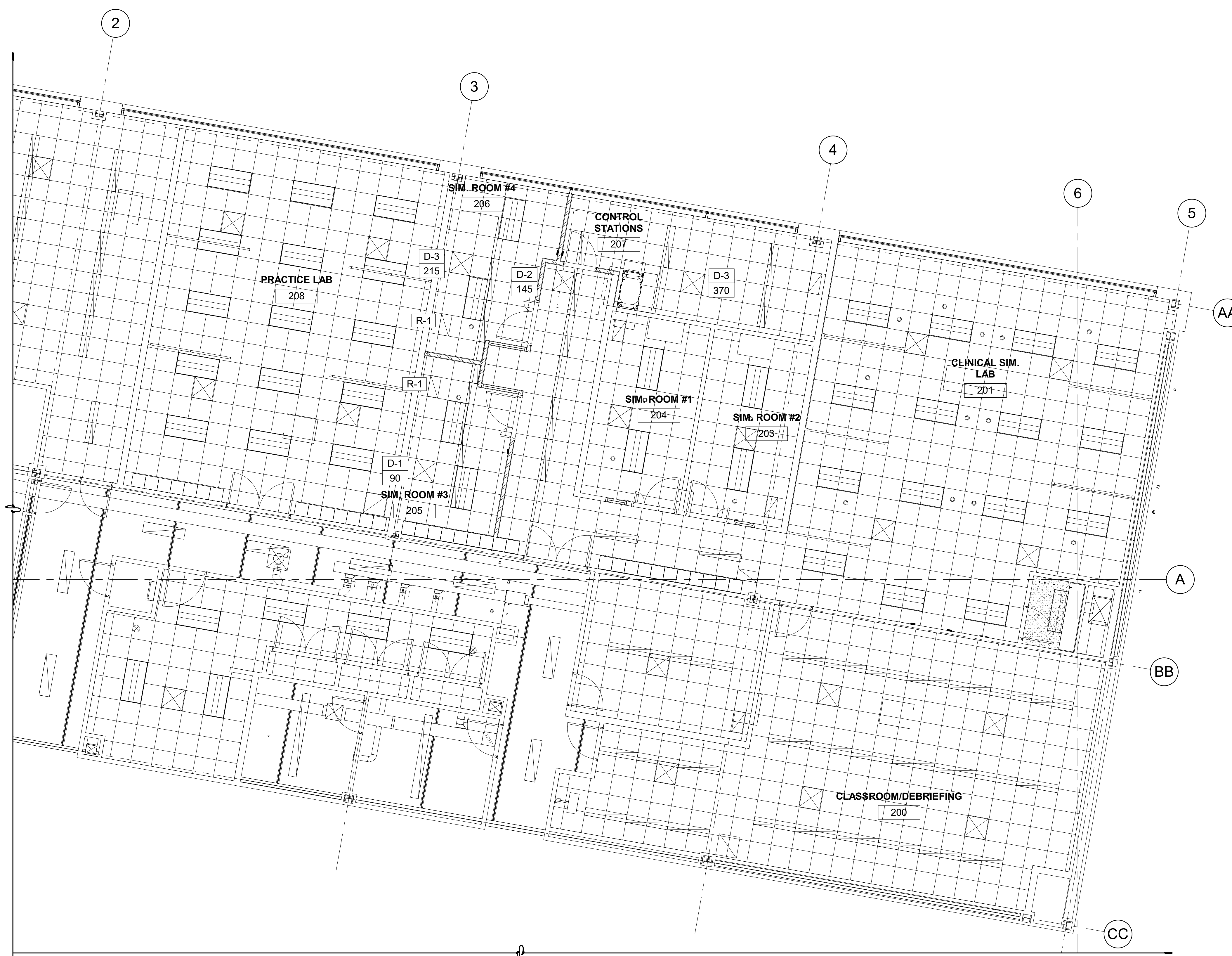
MECHANICAL PIPING LEVEL 2 PLANS AREA B

Sheet Number

**ME102.2**

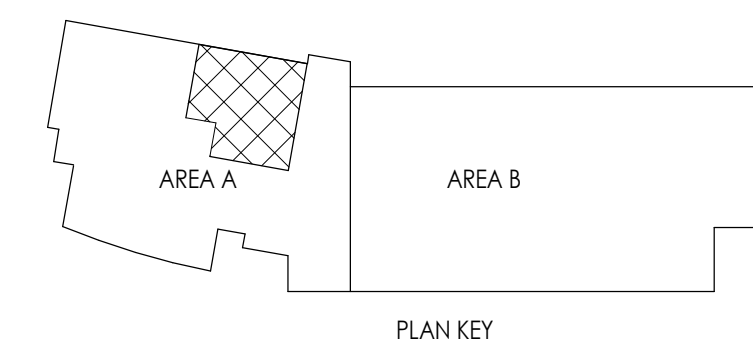
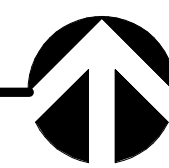
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MECHANICAL LEVEL 2  
REFLECTED CEILING PLAN AREA  
A

3/16" = 1'-0"



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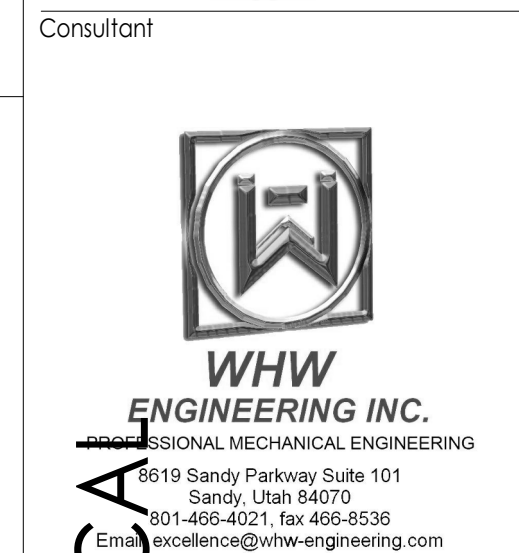
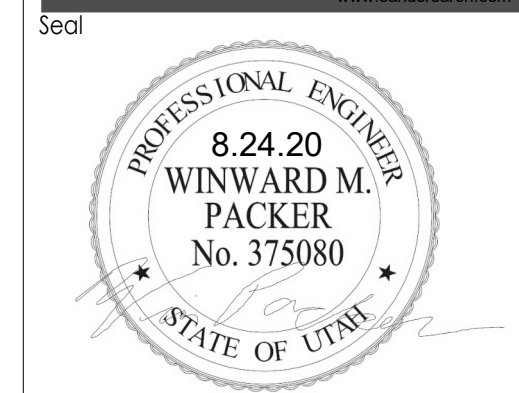
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MECHANICAL LEVEL 2  
REFLECTED CEILING  
PLAN AREA A

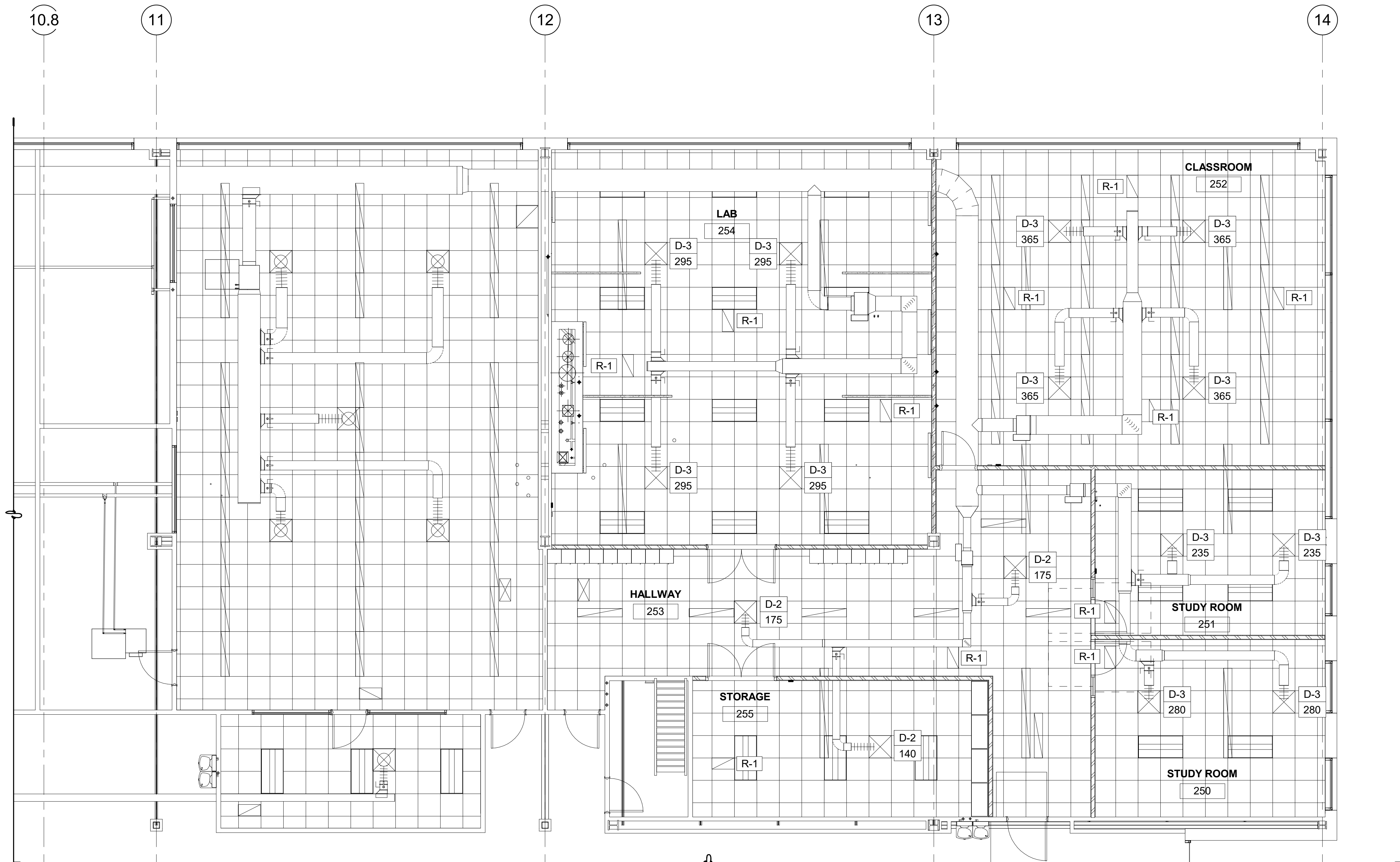
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**ME103.1**

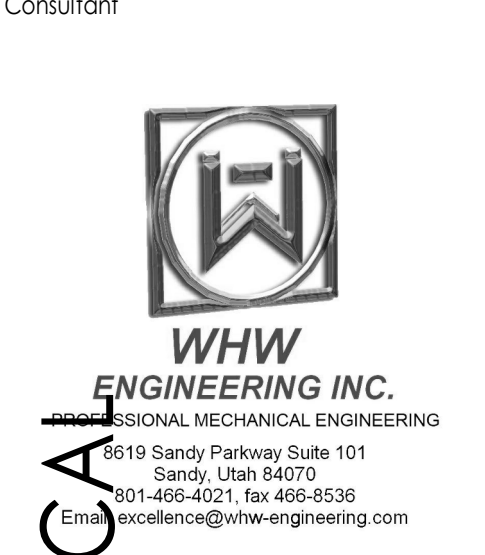
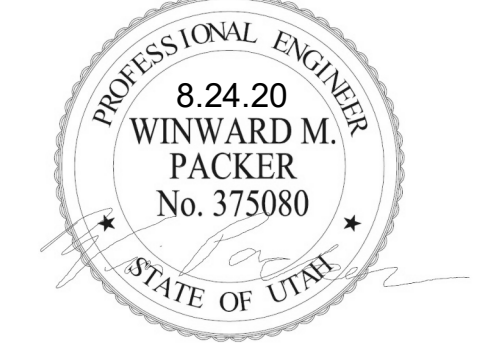
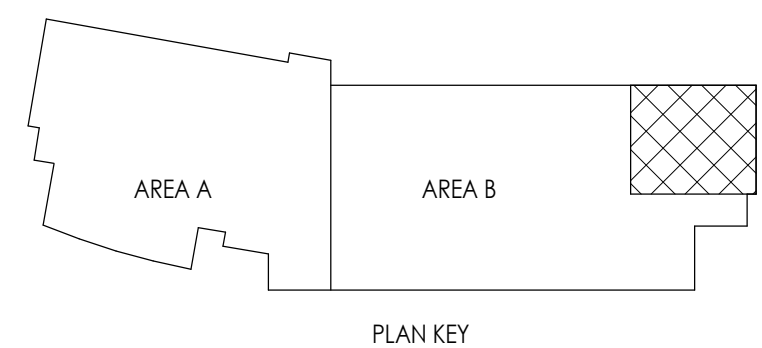
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MECHANICAL LEVEL 2  
REFLECTED CEILING PLAN AREA  
B  
3/16" = 1'-0"



Project Name  
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MECHANICAL LEVEL 2  
REFLECTED CEILING  
PLAN AREA B

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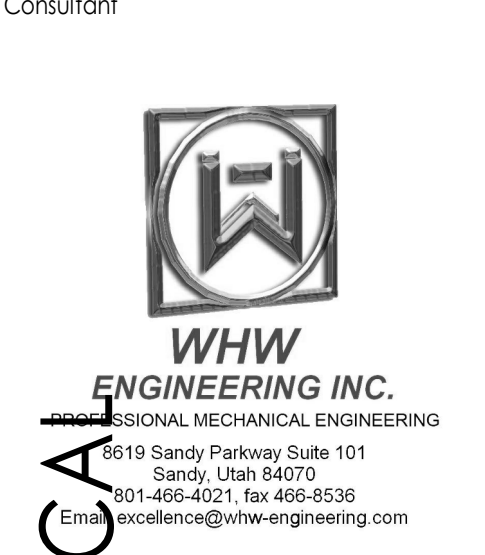
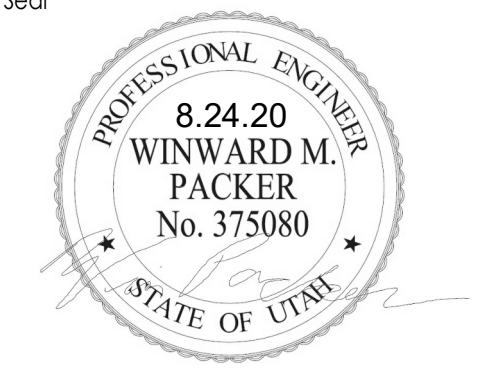


DIFFUSER AND GRILLE SCHEDULE										
TAG	MAX FLOW	FACE SIZE		NECK SIZE		CEILING TYPE	BLOW PATTERN	MAX NC	MANUF & MODEL	SCHEDULE NOTES
		LENGTH	WIDTH	LENGTH/DIAMETER	WIDTH					
D-1	225 CFM	24"	24"	6"	0"	LAY-IN	4 WAY	25	PRICE SPD	1
D-2	325 CFM	24"	24"	8"	0"	LAY-IN	4 WAY	25	PRICE SPD	1
D-3	450 CFM	24"	24"	10"	0"	LAY-IN	4 WAY	25	PRICE SPD	1
R-1	600 CFM	24"	12"	24"	12"	LAY-IN	N/A	25	PRICE 535	1

1. SEE SPECIFICATIONS FOR APPROVED MANUFACTURERS.

VAV SCHEDULE																
TAG		AREA SERVED	INLET SIZE	MAX CFM	MIN CFM	HEATING							MAX NC	MANUF. & MODEL	SCHEDULE NOTES	
TYPE	#					EAT	LAT	HTG CFM	HTG BTU/HR	EWT	GPM	PIPE SIZE				ROWS
VAV	101	SIM ROOM #4 206	4"	215 CFM	118 CFM	65 °F	105 °F	118 CFM	4400 Btu/h	180 °F	0.5 GPM	1/2"	1	25	TITUS DESV(S)	1,2,3
VAV	102	CONTROLS/HALLWAY 207/202	8"	515 CFM	283 CFM	65 °F	107 °F	283 CFM	11100 Btu/h	180 °F	0.9 GPM	1/2"	2	25	TITUS DESV(S)	1,2,3
VAV	103	SIM ROOM #3 205	4"	90 CFM	50 CFM	65 °F	118 °F	50 CFM	2500 Btu/h	180 °F	0.5 GPM	1/2"	1	25	TITUS DESV(S)	1,2,3
VAV	104	HALL/STORAGE 253/252	8"	490 CFM	267 CFM	65 °F	109 °F	267 CFM	10900 Btu/h	180 °F	0.9 GPM	1/2"	2	25	TITUS DESV(S)	1,2,3
VAV	105	CLASSROOM 252	14"	1,460 CFM	803 CFM	65 °F	106 °F	803 CFM	30400 Btu/h	180 °F	1.9 GPM	3/4"	2	25	TITUS DESV(S)	1,2,3,4
VAV	106	STUDY ROOMS 251/252	10"	1,030 CFM	564 CFM	65 °F	105 °F	564 CFM	21100 Btu/h	180 °F	1.9 GPM	3/4"	2	25	TITUS DESV(S)	1,2,3,4
VAV	107	LAB 254	14"	1,180 CFM	803 CFM	65 °F	112 °F	803 CFM	34800 Btu/h	180 °F	2.8 GPM	3/4"	2	25	TITUS DESV(S)	1,2,3,4

1. SEE SPECIFICATIONS FOR OTHER APPROVED MANUFACTURERS.
2. SIZED AT 1.75" STATIC PRESSURE DROP ACROSS BOX.
3. SIZED USING 30% PROPYLENE GLYCOL.
4. PROVIDE WITH 3 WAY VALVE.



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MECHANICAL SCHEDULES

Sheet Number  
**ME601**

DFCM approval



SECURITY			
	IP CAMERA - SEE SCHEDULE	AS NOTED	4.5.
	NETWORK VIDEO RECORDER		
	SECURITY SYSTEM DOOR CONTACT	DOOR JAMB	
	SECURITY SYSTEM GARAGE DOOR CONTACT	+8'-0" OR AS NOTED	6.
	DURESS PUSHBUTTON: T = TRANSMITTER, R = RECEIVER, H = HARDWIRED	AS NOTED	
	INTRUSION MOTION DETECTOR	MOUNT AS PER MFR.	
	GLASS BREAK DETECTOR: SOLID = WALL MOUNTED, DASHED = CEILING	MOUNT AS PER MFR.	
	INTRUSION SYSTEM POP-IT	MOUNT AS PER MFR.	
	INTRUSION SYSTEM KEYPAD (ARM/DISARM)	+4'-0"	1.
	INTERCOM STATION	+4'-0"	1.
	MAGNETIC LOCK		
	DOOR HOLD OPEN	AS NOTED	7.
FIRE ALARM			
	BELL	+7'-6"	
	CHIME	+7'-6"	
	FIRE ALARM MANUAL STATION	+4'-0"	6.
	FIRE ALARM SIGNAL HORN/STROBE	+8'-0"	6.
	CONCEALED FIRE ALARM SIGNAL HORN/STROBE	CEILING	
	CONCEALED FIRE ALARM SIGNAL HORN/STROBE WALL	+8'-0"	6.
	FIRE ALARM SIGNAL SPEAKER/STROBE	+8'-0"	6.
	CONCEALED FIRE ALARM SIGNAL SPEAKER/STROBE	CEILING	
	CONCEALED FIRE ALARM SIGNAL SPEAKER/STROBE WALL	+8'-0"	6.
	FIRE ALARM STROBE	+8'-0"	6.
	CONCEALED FIRE ALARM SIGNAL STROBE	CEILING	
	CONCEALED FIRE ALARM SIGNAL STROBE WALL	+8'-0"	6.
	FIRE ALARM SPEAKER ONLY	+8'-0"	6.
	FIRE ALARM SIGNAL STROBE WITH BLUE COLORED LENS (CO VISUAL ALARM)	CEILING/ +8'-0"	MOUNT AS PER MFR.
	FIRE ALARM ANNUNCIATOR PANEL	+5'-0" TO BOTTOM	SEE DIAGRAM
	ASPIRATING SMOKE DETECTION SYSTEM	CEILING	MOUNT AS PER MFR.

### GENERAL NOTES

- CONSULT ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LOCATION OF ALL LIGHTING FIXTURES.
- VERIFY ALL EQUIPMENT DIMENSIONS AND LOCATIONS BEFORE BEGINNING ROUGH IN. CONSULT ALL APPLICABLE CONTRACT DRAWINGS AND SHOP DRAWINGS TO INSURE NEC CODE CLEARANCES REQUIRED AROUND ALL ELECTRICAL EQUIPMENT.
- CONTRACTOR SHALL VERIFY ALL ELECTRICAL LOADS (VOLTAGE, PHASE, CONNECTION REQUIREMENTS, ETC) OF ALL EQUIPMENT FURNISHED UNDER ALL DIVISIONS, INCLUDING ALL EXISTING EQUIPMENT TO BE RE-USED. REVIEW ALL SHOP DRAWINGS AND EXISTING EQUIPMENT BEFORE BEGINNING ROUGH-IN.
- SEE SECTION 265100 (16510) OF THE SPECIFICATION FOR REQUIRED COORDINATION MEETINGS WITH MECHANICAL AND CEILING CONTRACTORS.
- SEE APPLICABLE SHOP DRAWINGS FOR ROUGH IN LOCATION OF ALL EQUIPMENT, WIRING DEVICES, ETC. WHERE APPLICABLE MOUNT ALL WIRING DEVICES ABOVE BACK SPLASH EXCEPT THOSE SERVING UNDER COUNTER EQUIPMENT.
- SEE SPECIFICATION FOR ENERGY SAVING LAMP AND BALLAST REQUIREMENTS.
- FINISHES OF ALL LIGHT FIXTURES SHALL BE AS SELECTED BY ARCHITECT.
- THE ELECTRICAL CONTRACTOR SHALL NOTIFY AND COOPERATE WITH THE MECHANICAL CONTRACTOR SUCH THAT NO PIPING, DUCTS, OR EQUIPMENT FOREIGN TO THE OPERATION OF THE ELECTRICAL EQUIPMENT SHALL BE PERMITTED TO BE INSTALLED IN, ENTER OR PASS THRU ELECTRICAL ROOMS OR SPACES, OR ABOVE OR BELOW ELECTRICAL EQUIPMENT IN OTHER AREAS.
- ELECTRICAL BOXES SHALL NOT BE LOCATED IN MASONRY COLUMNS IN BRICK WALLS OR IN GROUTED CELLS ADJACENT TO OPENINGS. COORDINATE LOCATION OF BOXES WITH MASONRY CONTRACTOR.
- ALL PENETRATIONS OF FIRE RATED FLOORS, WALLS, AND CEILINGS SHALL BE SEALED WITH APPROVED MATERIAL TO MAINTAIN FIRE RATING OF SURFACE PENETRATED.
- CIRCUITS EXTENDING OVER 70' FOR 120 VOLT AND 115' FOR 277 VOLT 20 AMP CIRCUITS SHALL BE RUN WITH CONDUCTORS PER TABLE BELOW.

MAXIMUM LENGTH	BRANCH CIRCUIT VOLTAGE	
CONDUCTOR LENGTH (FT)	120 VOLT	277 VOLT
<70	MIN. #12 AWG	MIN. #12 AWG
70 - 115	MIN. #10 AWG	MIN. #12 AWG
115 - 170	MIN. #8 AWG	MIN. #10 AWG
170 - 270	MIN. #8 AWG	MIN. #8 AWG
271 - 380	NOTE B	MIN. #8 AWG
>380	NOTE B	NOTE B

- THESE ARE BASED ON MAXIMUM LENGTH OF CIRCUIT.
- PERFORM VOLTAGE DROP CALCULATIONS AND PROVIDE CONDUCTOR SIZE TO KEEP BRANCH CIRCUIT VOLTAGE DROP LESS THAN 3% WITH A 15 AMP LOAD.
- CONTRACTOR SHALL ENSURE THAT THE INSTALLATION OF EACH BRANCH CIRCUIT STAYS WITHIN 3% VOLTAGE DROP FOR A 15 AMP LOAD. IF NECESSARY, CONTRACTOR SHALL INCREASE WIRE AND CONDUIT SIZE TO MEET THE STANDARD AT NO ADDITIONAL COST TO OWNER.

- CONTRACTOR SHALL VERIFY FURNITURE LAYOUT PRIOR TO ANY FLOORBOX OR POKE-THRU INSTALLATION. COORDINATE EXACT LOCATION OF FLOOR BOX OR POKE-THRU WITH OWNER AND FURNITURE PROVIDER PRIOR TO ROUGH-IN.

### DEMOLITION NOTES

- COORDINATE ALL NEW ELECTRICAL EQUIPMENT REQUIREMENTS AND MAKE CONNECTION TO EXISTING SYSTEMS. THIS INCLUDES LIGHTING, POWER, SIGNAL, RACEWAY AND OTHER SYSTEMS INCLUDED UNDER DIVISION 26 (16).
- RELOCATE, REWIRE AND/OR RECONNECT EXISTING ELECTRICAL DEVICES AND/OR EQUIPMENT THAT FOR ANY REASON OBSTRUCTS CONSTRUCTION.
- CONCEAL ALL RACEWAY AND WIRING IN EXISTING WALLS, CEILINGS, FLOORS, ETC. EXCEPT WHERE THE USE OF SURFACE METAL RACEWAYS (E.G. WIRE MOLD) IS INDICATED ON DRAWINGS OR IN SPEC.
- LEAVE ALL EXISTING EQUIPMENT, IN PORTIONS OF THE BUILDING NOT BEING REMODELED, IN WORKING CONDITION. RESTORE ALL INTERRUPTED BRANCH CIRCUITS, FEEDERS, ETC. TO WORKING CONDITION.
- EXISTING RACEWAYS MAY BE REUSED (IN PLACE) WHERE POSSIBLE, AND WHERE IN COMPLIANCE WITH THE SPECIFICATIONS AND THE INTENT OF THE CONTRACT DOCUMENTS. INSURE INTEGRITY OF EXISTING RACEWAY BEFORE REUSE.
- REMOVE ALL RACEWAYS, CONDUCTORS, BOXES, DEVICES, EQUIPMENT, ETC. THAT ARE NOT TO BE REUSED.
- REMOVE EXISTING LIGHT FIXTURES WHICH ARE NOT TO BE REUSED, PLACE IN CARTON, LABEL APPROPRIATELY, AND RETURN TO OWNER, OR PROPERLY DISPOSE OF FIXTURES THAT THE OWNER CHOOSES NOT TO KEEP.
- DO NOT PENETRATE STRUCTURAL ELEMENTS OF FLOORS, WALLS, CEILINGS, ROOFS, ETC.
- DISCONNECT AND RECONNECT ANY/ALL FIXTURES, DEVICES, EQUIPMENT, ETC. REQUIRED FOR PROPER COMPLETION OF THE WORK.

### SHEET INDEX

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## ELECTRICAL SYMBOL SCHEDULE

- SEE FIXTURE SCHEDULE FOR TYPE, MOUNTING AND WATTAGE.
- HEIGHT MEASURED TO CENTER LINE OF THE BOX FROM THE FINISH FLOOR.
- REFER TO DRAWINGS FOR DIRECTIONAL ARROWS.
- SUBSCRIPT KEY'S SWITCH TO FIXTURES CONTROLLED.
- NEMA TYPE 'ND' NON-FUSED UNLESS NOTED 'F' (FUSED). USE 'HD' 480 V.
- HEIGHT MEASURED TO TOP OF THE BOX FROM FINISH FLOOR.
- PROVIDE H.O.A. AND S.S. PUSHBUTTONS AS REQUIRED.
- DOUBLE ARROWS DENOTE A DOUBLE FACE UNIT.
- COORDINATE WITH MILLWORK SHOP DRAWINGS AND ELEVATIONS FOR HEIGHT.
- SUBSCRIPT DENOTES NEMA CONFIGURATION.
- HEIGHT MEASURED TO BOTTOM OF THE BOX FROM FINISH FLOOR.
- COORDINATE WITH DOOR HARDWARE SUPPLIER.
- FOR WATER COOLER, SEE DIAGRAM R002. FOR ALL OTHER LOCATIONS, MOUNT AT +16" TO BOTTOM OF THE BOX FROM FINISH FLOOR, OR AS NOTED.

**STANDARD MOUNTING HEIGHT UNLESS OTHERWISE NOTED ON PLANS**

GENERAL			
SYMBOL	DESCRIPTION	MOUNTING HEIGHT	NOTES
	ONE CIRCUIT, HOME RUN TO PANEL		
	2 CIRCUIT, HOME RUN TO PANEL		
	3 CIRCUIT, HOME RUN TO PANEL		
	CONDUIT RUN CONCEALED IN WALL OR CEILING		
	CONDUIT RUN CONCEALED IN FLOOR OR GROUND		
	CONDUIT UP		
	CONDUIT DOWN		
	EQUIPMENT PANEL, SEE DRAWINGS	TOP AT +6'-0"	
LIGHTING			
	CEILING LIGHT FIXTURE	CEILING	1.
	WALL LIGHT FIXTURE	AS NOTED	1.
	RECESSED DOWNLIGHT FIXTURE	CEILING	1.
	RECESSED WALLWASH DOWNLIGHT FIXTURE	CEILING	1.
	LIGHT FIXTURE	AS NOTED	1.
	EGRESS LIGHT FIXTURE	AS NOTED	UNSWITCHED
	AREA LIGHT POLE AND FIXTURE	CONCRETE BASE	SEE DIAGRAM
	BOLLARD	CONCRETE BASE	1.
	STEP LIGHT FIXTURE	AS NOTED	1.
	FLOOD OR TRACK FIXTURE	AS NOTED	
	CEILING/WALL MOUNTED EXIT LIGHT	CEILING/ AS NOTED	1.3.8.
	EMERGENCY LIGHT FIXTURE	AS NOTED	1.
	COMBO EXIT / EMERGENCY LIGHT FIXTURE	AS NOTED	1.
	POWER PACK	CEILING	SEE DIAGRAM, SPEC
	DIGITAL ROOM CONTROLLER (SUBSCRIPT INDICATES NUMBER OF RELAYS)	CEILING	SEE DIAGRAM, SPEC
	EMERGENCY LIGHTING CONTROL UNIT	ABOVE CEILING	SEE DIAGRAM, SPEC.
POWER			
	DUPLEX RECEPTACLE	UPPER OUTLET SWITCH CONTROLLED	+16" OR AS NOTED 9.11.
	SIMPLEX RECEPTACLE		+16" OR AS NOTED 9.11.
	TAMPER-PROOF RECEPTACLE		+16" OR AS NOTED 9.11.
	DUPLEX RECEPTACLE		+16" OR AS NOTED 9.11.
	DUPLEX RECEPTACLE WITH USB OUTLET		+16" OR AS NOTED 9.11.
	CONTROLLED DUPLEX RECEPTACLE		+16" OR AS NOTED 9.11.
	DUPLEX RECEPTACLE		9.
	5mA GFCI CIRCUIT BREAKER PROTECTED RECEPTACLE		13.
	WEATHERPROOF RECEPTACLE		+24" OR AS NOTED 2.9.
	ISOLATED GROUND RECEPTACLE		+16" OR AS NOTED 2.9.
	GROUND FAULT INTERRUPTER DUPLEX RECEPTACLE		+16" OR AS NOTED 9.11.
	DUPLEX RECEPTACLE EMERGENCY POWER (RED)		+16" OR AS NOTED 9.11.
	4-PLEX RECEPTACLE		+16" OR AS NOTED 9.11.
	GROUND FAULT INTERRUPTER 4-PLEX RECEPTACLE		+16" OR AS NOTED 9.11.
	4-PLEX RECEPTACLE EMERGENCY POWER (RED)		+16" OR AS NOTED 9.11.
TELECOMMUNICATIONS			
	WALL PHONE		+60" OR AS NOTED 2.
	DATA OUTLET, ONE CABLE		+16" OR AS NOTED 9.11.
	DATA OUTLET, TWO CABLES		AS NOTED 9.11.
	DATA OUTLET, THREE CABLES		+16" OR AS NOTED 9.11.
	DATA OUTLET, "X" INDICATES QUANTITY		+16" OR AS NOTED 9.11.

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**OWTC HEALTH TECHNOLOGY PRACTICAL NURSING EXPANSION**

200 N. WASHINGTON BLVD.  
OGDEN, UT 84404

Project Name: \_\_\_\_\_  
Issued: \_\_\_\_\_  
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SAA Project No. 2020-16  
Drawing Title



SYMBOLS, SCHEDULES AND NOTES

Sheet Number **E001**

DFCM approval







ELECTRICAL GENERAL PROVISIONS

- **Description of Work:** Extent of electrical work is indicated on drawings. Provide all labor, materials, equipment, supervision and service necessary for a complete electrical system. Work includes, but is not necessarily limited to the following items:
  - Electrical Connections for Equipment
  - Grounding
  - Conduit Raceway
  - Conductors and Cables
  - Electrical Boxes and Fittings
  - Supporting Devices
  - Electrical Seismic Control
  - Wiring Devices
  - Floor Boxes
  - Light Fixtures
  - Electrical Identification
  - Telecommunications
  - Fire Alarm and Detection Systems
- Visit the site during the bidding period to determine existing conditions affecting electrical and other work. All costs arising from site conditions and/or preparation shall be included in the base bid. No additional charges will be allowed due to inadequate site inspection.
- **Quality Assurance:** Perform work in accordance with the National Electrical Code (NEC). Comply with requirements of State and Local Ordinances. Obtain all permits, inspections, etc. from Authority Having Jurisdiction (AHJ). Employ only qualified craftsmen with at least three years of experience. Workmanship shall be neat, have a good mechanical appearance and conform to best electrical state contracting license. Provide equipment and material that are Underwriters Laboratories Inc. (UL) listed and labeled.
- **Submittals:** After the Contract is awarded but prior to manufacture or installation of any equipment, prepare complete shop drawings.
  - Provide submittals in Portable Document Format (PDF).
  - Documents must be electronically bookmarked and keyword searchable using Adobe Acrobat (<http://www.adobe.com/acrobat>) or Bluebeam Revu (<http://www.bluebeam.com>) for each relevant section. (i.e. Include electronic bookmarks separating "Light Fixtures" from "Panelboards".)
  - Electronically highlight all options for light fixtures, electrical equipment, etc. Manual highlighting and scanning of the documents is NOT acceptable and will NOT be reviewed.
  - Provide only completed cutsheets for all fixture and equipment types. Blank cutsheets submitted with a schedule are NOT acceptable and will NOT be reviewed.
  - A maximum of one submittal per specification section is allowed. It is NOT acceptable to provide a product by product submittal. Single product by product submittals will NOT be reviewed.
    - Wiring Devices
    - Floorboxes
    - Light Fixtures
    - Electrical Identification
    - Telecommunications
    - Fire Alarm and Detection Systems
- **Record Drawings:** Maintain on a daily basis, a complete set of record drawings, reflecting an accurate dimensional record of all buried or concealed work. Mark record drawings to show the precise location of concealed work and equipment, including concealed or embedded conduit and junction boxes and all changes and deviations in the work from that shown on the Contract Documents.
- **Operation and Maintenance Manuals:** Provide operating instruction and maintenance data books for all equipment and materials furnished under this division.
- **Guarantee:** Ensure that electrical systems installed under this contract is in proper wiring order and in compliance with drawings, specifications, and/or authorized changes. Without additional charge, replace any work or materials which develop defects, except from ordinary wear and tear, within one year from the date of substantial completion.
- **Fire Protection Seals:** Seal all penetrations for work of this section through fire rated floors, walls, and ceilings to prevent the spread of smoke, fire, toxic gas, or water through the penetration either before, during and after fire.
- **Power Outages:** All power outages required for execution of this work shall occur during the non-standard working hours and at the convenience of the owner. Include all costs for overtime work in bid.

ELECTRICAL CONNECTION FOR EQUIPMENT

- Verify exact load and location of all equipment before rough-in for each electrical connection. Provide complete assembly of material, including but not necessarily limited to, raceways, conductors, cords, cord caps, plugs, wiring devices, pressure connectors, terminals (lugs), electrical insulating tape, heat-shrinkable insulating tubing, cable ties, solderless wire nuts, and other items and accessories as needed to complete splices, terminations, and connections as required. For permanently installed fixed equipment, provide flexible seal-tite connection. For movable and/or portable equipment, provide wiring device, cord cap, and multi-conductor cord.

GROUNDING

- Provide grounding and bonding of all electrical and communication apparatus, machinery, appliances, building components, and items required by the NEC to provide a permanent, continuous low impedance, grounding system. Provide a NEC bonding/grounding conductor in all raceways used for power distribution.

CONDUIT RACEWAYS

- Provide metal conduit, tubing, and fittings of types, grades, sizes, and weights (wall thickness) as required; with minimum trade size of 3/4". Install electrical raceway systems in accordance with manufacturer's written instructions and applicable requirements of NEC and NECA "Standard of Installation" in accordance with the following:
  - Feeders: Install feeders rated 100 Amps and greater, in Electrical Metallic conduit (EMT); Where buried below grade, install in concrete encased non-metallic conduit or duct (Schedule 40 PVC).
  - Branch Circuits, and individual Equipment Circuits rated less than 100 Amps: Install in Electrical Metallic Tubing (EMT). Where located in poured walls, below concrete slab-on-grade, or in earth fill, install in non-metallic plastic duct (Schedule 40 PVC). Encase non-metallic plastic duct 1-1/4" and larger in concrete.
  - Provide rigid metal conduit (RMC) for all bends in buried conduit greater than 30 degrees. Provide protective coating for rigid metal conduit bends. Install flexible conduit for connections of motors, transformers, and other electrical equipment where subject to movement and vibrations. Provide OZ, expansion fittings on all conduits crossing building expansion joints, both in slab and suspended.
  - Provide surface raceways of sizes and channels indicated. Provide fittings that match and mate with raceway.

CONDUCTORS AND CABLES

- Provide factory-fabricated conductors for sized, ratings, material, and types indicated for each service. Provide copper conductors, with THHN/THWN insulation. Size all conductors in accordance with NEC; minimum size to be #12 AWG. Provide stranded conductors for #8 AWG and larger.

ELECTRICAL BOXES AND FITTINGS

- Provide one piece galvanized flat rolled steel interior outlet wiring boxes, corrosion-resistant cast-metal weatherproof outlet wiring boxes, code-gage sheet steel junctions and pull boxes, cast-iron waterproof adjustable floor boxes, galvanized cast-metal conduit bodies, corrosion-resistant punched-steel box knockout closures, conduit lockouts and malleable steel conduit bushings and offset connectors, and all accessories as required to suit each respective location and installation. Fasten boxes rigidly to substrates or structural surfaces to which attached, or solidly embed electrical boxes in concrete or masonry. Use bar hangers for stud construction.

SUPPORTING DEVICES

- Provide supports, anchors, sleeves and seals as required for a complete raceway support system, including but not limited to: clevis hangers, riser clamps, c-clamps, beam clamps, one and two hole conduit straps, offset conduit clamps, expansion anchors, toggle bolts, threaded rods, U-channel strut system, and all associated accessories. Install in accordance with manufacturer's written instructions and with recognized industry practices to insure supporting devices comply with requirements. Provide rigid attachment of all floor mounted equipment to the floor slab or structural system.

ELECTRICAL SEISMIC CONTROL

- Provide seismic control equipment including but not limited to: vibration isolators, flexible connections, rigid steel frames, anchors, inserts and attachments, seismic snubber and bracing to meet the seismic requirements for the project site.

WIRING DEVICES

- Provide grade factory-fabricated wiring devices, in types, and electrical ratings for applications indicated and complying with NEMA STD5 Pub No. WD-1. Provide heavy duty specification grade, 20- ampere rated, grounding type convenience outlets. Provide 20-ampere rated toggle switches. Construct wiring device of heavy duty high impact nylon and provide cover plates to match. Provide devices in colors selected by Architect.

FLOOR BOXES

- Provide leveling and fully adjustable floor service receptacle outlets and fittings of time and ratings as indicated on the drawings. All boxes shall comply with UL standard UL514A.

LIGHTING FIXTURES

- Provide lighting fixtures complete with all components for each size, type, and rating indicated. This includes, but not limited to housing, driver, reflectors, and wiring. Size fuses per ballast manufacturer's recommendation. Provide all necessary supports, brackets, and miscellaneous equipment for mounting of fixtures. Support all grid mounted fixtures from the building structure with #12 ga. steel wire attached to each corner, independent of the ceiling system. Provide backing supports. Provide gypsum board protection as required to maintain fire rating of each ceiling in which fixtures are installed. Provide all exterior fixtures with damp or wet location label as required by application. Provide Class 2 wiring for all fixtures indicated to have 0-10v dimming.

ELECTRICAL IDENTIFICATION

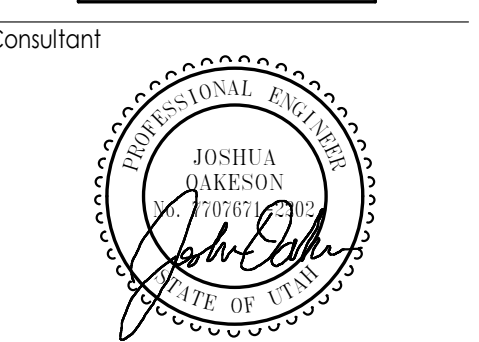
- Provide electrical identification products for buried electrical lines, arc-flash hazard labels (ANSI Z535.4), source of supply labels, available fault current labels and emergency operating signs to equipment installed as part of this project.
- Provide nylon type coverplates that match devices. Provide metal covers for all devices in unfinished spaces
- Provide labels on coverplates indicating source of power (i.e. Panel - Circuit #).

TELECOMMUNICATIONS (RACEWAY ONLY)

- Provide a complete raceway system including but not limited to: raceway, outlets, coverplates, backboards, grounding, and miscellaneous items as required.
- Provide (1) 3/4" EMT conduit from each telephone and data device to cable tray or telecom rack (whichever is closer). Comply with NEC, BICSI and recognized industry practices. Provide nylon pull cord in all installed raceway.
- Provide (1) #6 bare copper ground from each telephone/data system terminal board to the service entrance ground. Coil six feet of conductor at each terminal board.

FIRE ALARM AND DETECTIONS SYSTEMS

- Provide an addressable, electrically supervised fire alarm system with all applicable provisions of the current NFPA 72, National Fire Alarm Code, IFC International Fire Code and shall meet all requirements of the local authority having jurisdiction. Provide a minimum of #14 AWG copper wiring in 3/4" conduit. Fire Alarm MC is not allowed.



OWTC HEALTH TECHNOLOGY PRACTICAL NURSING EXPANSION 200 N. WASHINGTON BLVD. OGDEN, UT 84404

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ELECTRICAL SPECIFICATIONS

Sheet Number E003

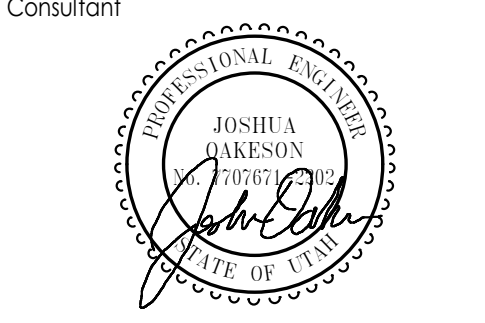


### SHEET KEYNOTES

- D1 EXISTING LIGHT FIXTURE TO BE DEMOLISHED BY CONTRACTOR. GIVE 3 FIXTURES TO OWNER FOR STOCK. REUSE WIRE TO CONNECT NEW LIGHT FIXTURE. SEE SHEET E201 FOR NEW LIGHTING FIXTURE PLACEMENTS.
- D2 EXISTING LIGHT SWITCH TO BE REMOVED AND HOLE COVERED UP IN WALL.
- D3 EXISTING MOTORIZED SCREEN TO BE REMOVED AND HOLE COVERED UP IN WALL. REUSE SCREEN IN CLASSROOM/DEBRIEFING ROOM #200.
- D4 EXISTING POWER OUTLET TO BE REMOVED AND HOLE COVERED UP IN WALL.
- D5 EXISTING DEVICE(S) TO STAY.
- D6 EXISTING LIGHT FIXTURE TO BE MOVED UP INSIDE CONTROL STATION ROOM.
- D8 EXISTING POWER IN CEILING TO STAY. REUSE PROJECTOR IN CLASSROOM/DEBRIEFING ROOM #200.
- D9 EXISTING SCREEN CONTROLLER BUTTON TO BE REMOVED AND HOLE COVERED UP IN WALL.
- D10 EXISTING EXTRON TOUCH PANEL TO BE REMOVED AND HOLE COVERED UP IN WALL.
- D12 EXISTING FLOOR BOX TO BE REMOVED. COORDINATE WITH ARCHITECTURAL PLAN TO REPAIR FLOOR.
- D13 OWNER TO DEMOLISH EXISTING CAMERA MONITOR RACK.
- D14 EXISTING OCCUPANCY SENSOR TO BE REMOVED AND HOLE COVERED UP IN CEILING.
- D15 EXISTING LIGHT SWITCH TO STAY. LIGHT FIXTURES IN NEW HALLWAY TO BE CONTROLLED BY THIS LIGHT SWITCH.
- D17 EXISTING DEVICES TO BE REMOVED AND HOLE COVERED UP IN WALL. REUSE THESE DEVICES ON SIDE WALL.



**LEVEL 02 AREA A DEMOLITION PLAN**  
SCALE = 1/8" = 1'-0"



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**LEVEL 02 AREA A  
DEMOLITION PLAN**

Sheet Number

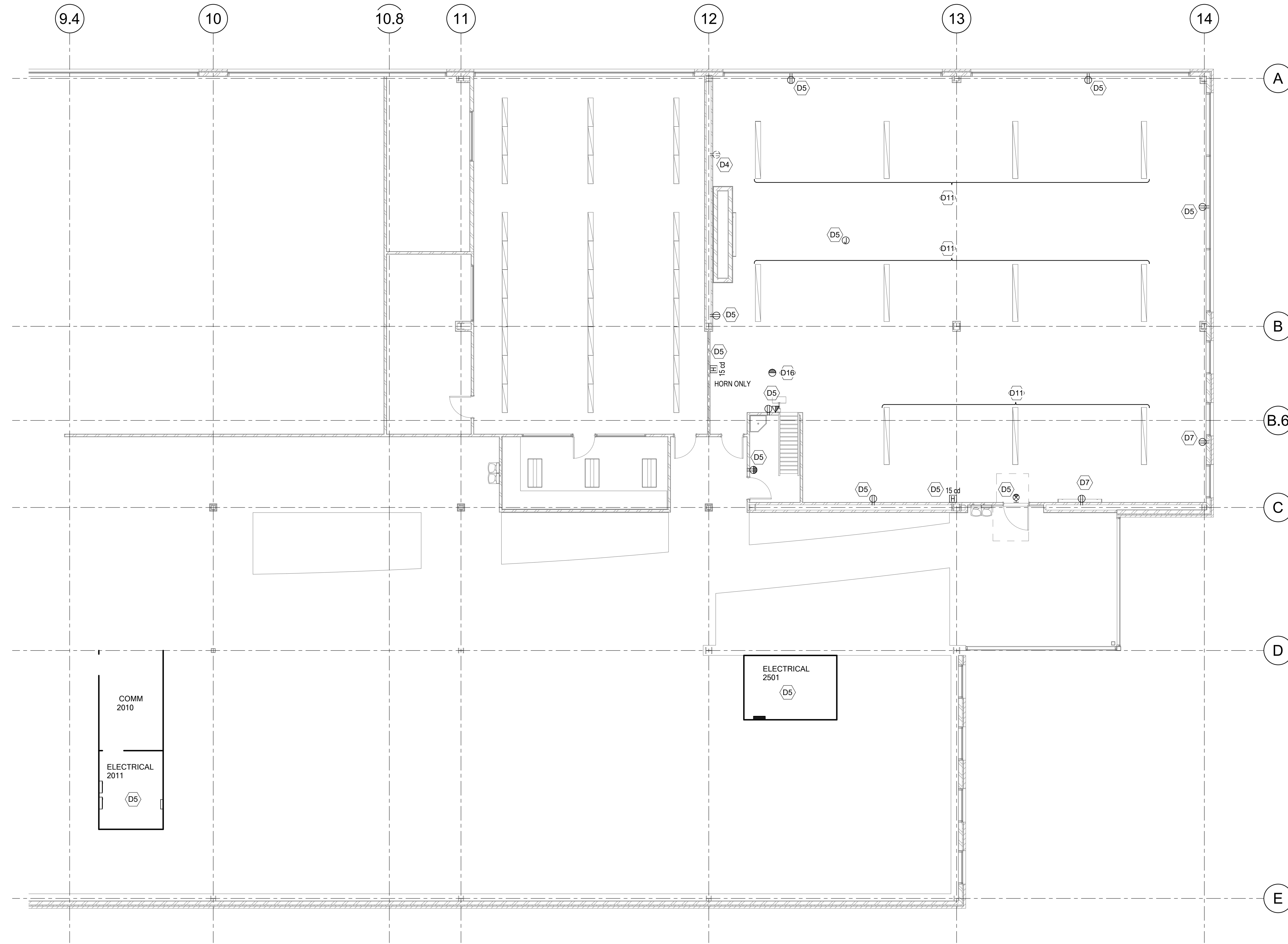
**E101**

DFCM approval



**SHEET KEYNOTES**

- D4 EXISTING POWER OUTLET TO BE REMOVED AND HOLE COVERED UP IN WALL.
- D5 EXISTING DEVICE(S) TO STAY.
- D7 EXISTING DEVICE TO STAY, BUT BE DISCONNECTED FROM EXISTING CIRCUIT.
- D11 EXISTING LIGHT FIXTURE TO BE REMOVED. REUSE WIRE TO CONNECT NEW LIGHT FIXTURE. SEE SHEET E202 FOR NEW LIGHTING FIXTURE PLACEMENTS.
- D16 EXISTING OCCUPANCY SENSOR TO REMAIN AND USED FOR THIS NEW HALLWAY.



**LEVEL 02 AREA B DEMOLITION PLAN**  
SCALE = 1/8" = 1'-0"

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LEVEL 02 AREA B  
 DEMOLITION PLAN

Sheet Number

**E102**



DFCM approval



### SHEET KEYNOTES

- L1 EXISTING LIGHT FIXTURE TO BE MOVED UP INSIDE CONTROL STATION ROOM.
- L3 LIGHT FIXTURES TO BE CONNECTED TO EXISTING LIGHTS IN HALLWAY AND BE CONTROLLED BY THE SAME LIGHT SWITCH.
- L4 EXISTING DEVICE(S) TO STAY.

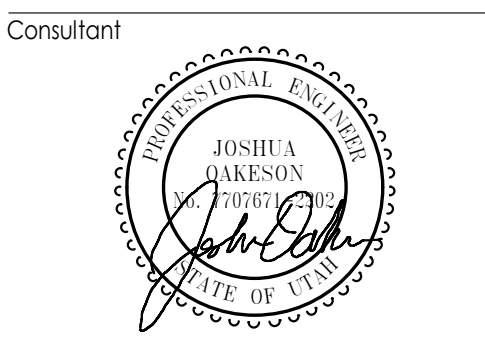


**LEVEL 02 AREA A LIGHTING PLAN**  
SCALE = 1/8" = 1'-0"



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LEVEL 02 AREA A  
LIGHTING PLAN

Sheet Number

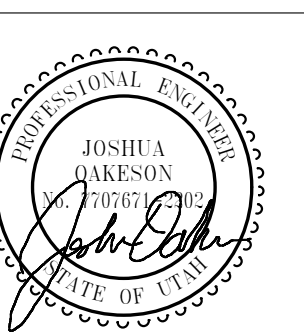
**E201**

DFCM approval



### SHEET KEYNOTES

- L2 EXISTING OCCUPANCY SENSOR TO REMAIN AND USED FOR THIS HALLWAY.
- L4 EXISTING DEVICE(S) TO STAY.



## OWTC HEALTH TECHNOLOGY PRACTICAL NURSING EXPANSION

200 N. WASHINGTON BLVD.  
OGDEN, UT 84404

Project Name

Issued		
No.	Date	Description
1	8/25/2020	DFCM PLAN REVIEW

Revision		
No.	Date	Description

DFCM Project No. 21147240  
SAA Project No. 2020-16  
Drawing Title

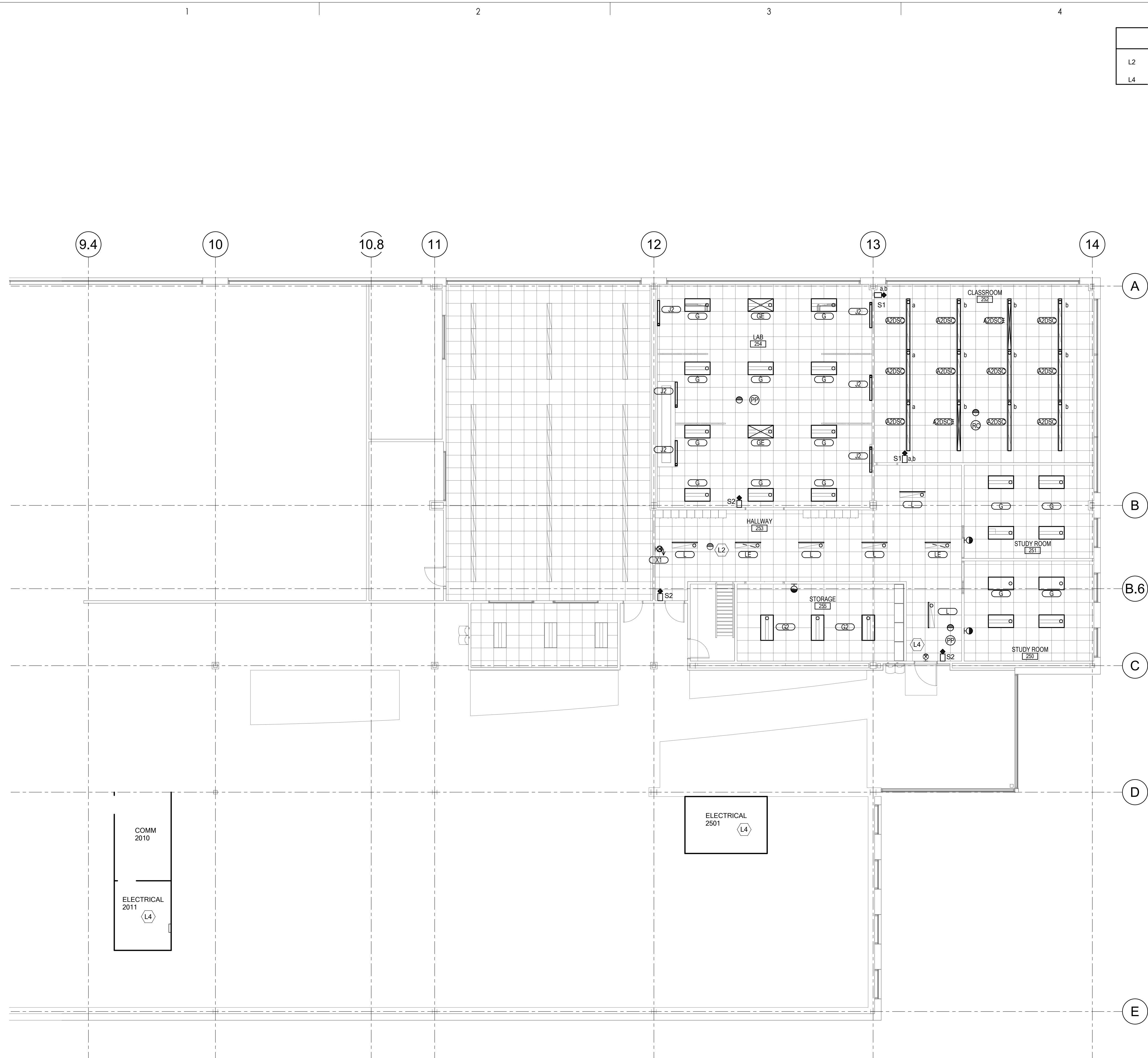
### LEVEL 02 AREA B LIGHTING PLAN

Sheet Number

# E202

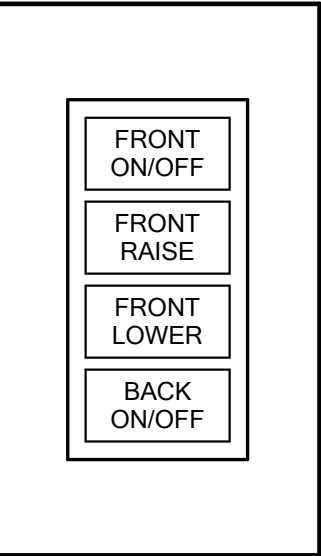
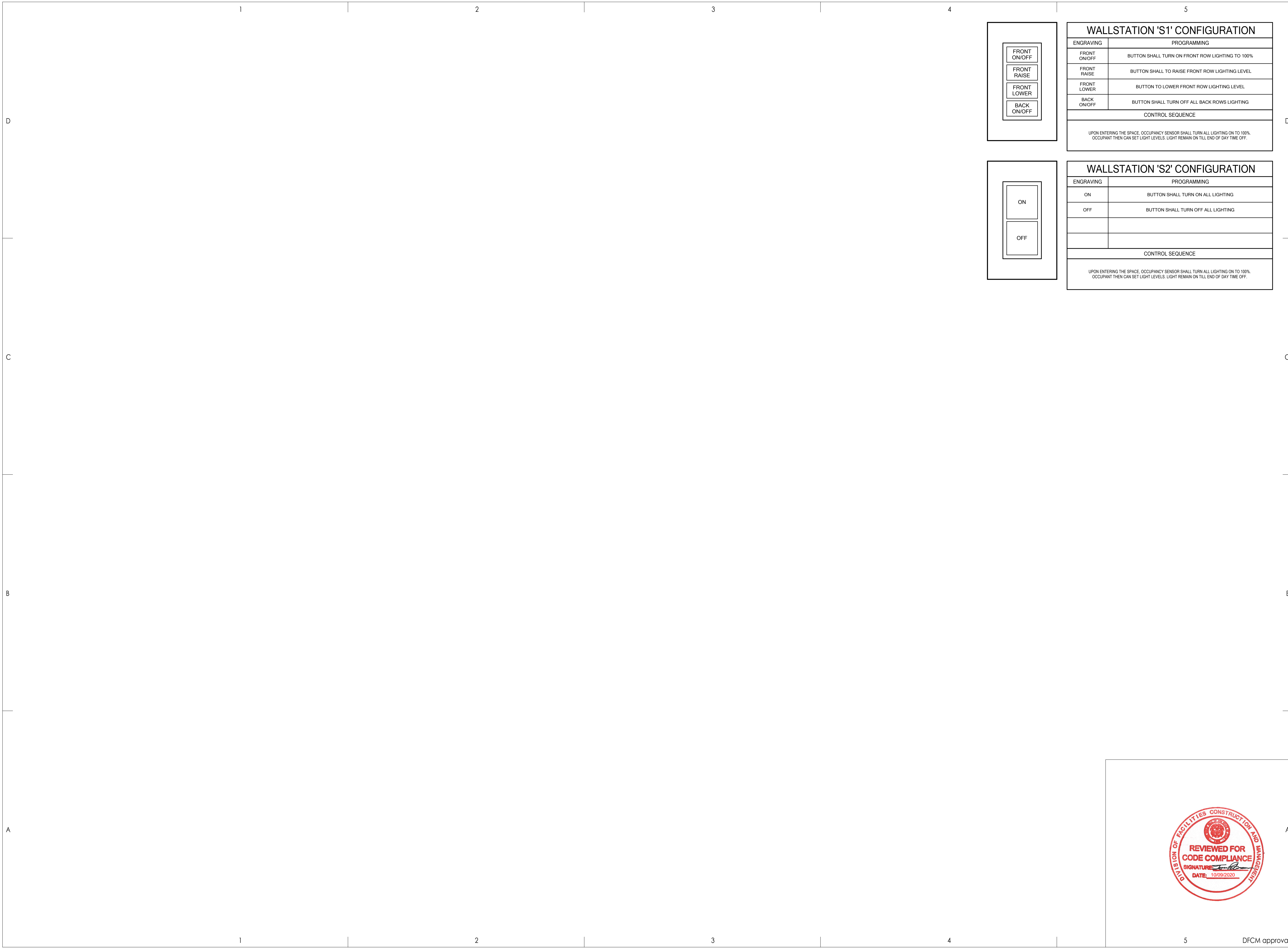


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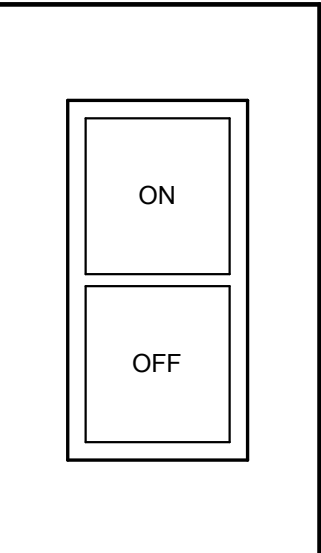


**LEVEL 02 AREA B LIGHTING PLAN**  
SCALE = 1/8" = 1'-0"

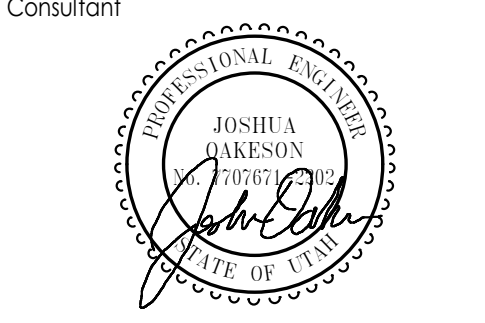




WALLSTATION 'S1' CONFIGURATION	
ENGRAVING	PROGRAMMING
FRONT ON/OFF	BUTTON SHALL TURN ON FRONT ROW LIGHTING TO 100%
FRONT RAISE	BUTTON SHALL TO RAISE FRONT ROW LIGHTING LEVEL
FRONT LOWER	BUTTON TO LOWER FRONT ROW LIGHTING LEVEL
BACK ON/OFF	BUTTON SHALL TURN OFF ALL BACK ROWS LIGHTING
CONTROL SEQUENCE	
UPON ENTERING THE SPACE, OCCUPANCY SENSOR SHALL TURN ALL LIGHTING ON TO 100%. OCCUPANT THEN CAN SET LIGHT LEVELS. LIGHT REMAIN ON TILL END OF DAY TIME OFF.	



WALLSTATION 'S2' CONFIGURATION	
ENGRAVING	PROGRAMMING
ON	BUTTON SHALL TURN ON ALL LIGHTING
OFF	BUTTON SHALL TURN OFF ALL LIGHTING
CONTROL SEQUENCE	
UPON ENTERING THE SPACE, OCCUPANCY SENSOR SHALL TURN ALL LIGHTING ON TO 100%. OCCUPANT THEN CAN SET LIGHT LEVELS. LIGHT REMAIN ON TILL END OF DAY TIME OFF.	



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WALLSTATIONS

Sheet Number

**E203**



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### GENERAL SHEET NOTES

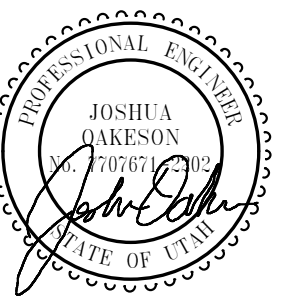
1. PROVIDE 1" CONDUIT TO CEILING SPACE BACK TO TELECOM ROOM FOR ALL DATA DROPS. CABLE BY OWNER.

### SHEET KEYNOTES

- E1 POWER FOR PROJECTOR. USE EXISTING PROJECTOR THAT WILL BE TAKEN OUT OF DEBRIEFING ROOM. MOUNTING OF PROJECTOR IN HOUSE.
- E2 MOTOR FOR MOTORIZED SCREEN. REUSE EXISTING MOTORIZED SCREEN THAT WILL BE TAKEN OUT OF DEBRIEFING ROOM.
- E5 POWER FOR TIME CLOCK.
- E6 POWER FOR SCREEN CONTROL.
- E7 POWER PANEL 'L1A4' IS IN LEVEL 01 AREA A ELECTRICAL ROOM #1008. PANEL TO STAY.
- E8 TERMINATE POWER CABLE TO NEW RECEPTACLE. TERMINATE 4 DATA CABLES IN OUTLET. COIL WIRES BACK IN WALL AND PROVIDE COVER.
- E9 EXISTING FIRE ALARM PANEL IS IN LEVEL 01 ELECTRICAL ROOM. PANEL TO STAY.
- E10 EXISTING DEVICE(S) TO STAY.
- E11 EXISTING DEVICES RELOCATED FROM BEHIND LOCKERS TO THIS WALL.
- E12 ALL NEW CABLE/CONDUIT TO RUN CONCEALED EITHER UNDER BRIDGE IN ENCLOSED CEILING OR ABOVE CEILING. PATCH/REPAIR ANY DAMAGE TO CEILINGS.



**LEVEL 02 AREA A POWER PLAN**  
SCALE = 1/8" = 1'-0"



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**LEVEL 02 AREA A  
POWER PLAN**

Sheet Number

**E301**

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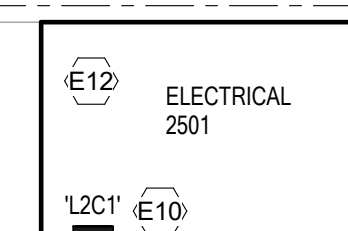
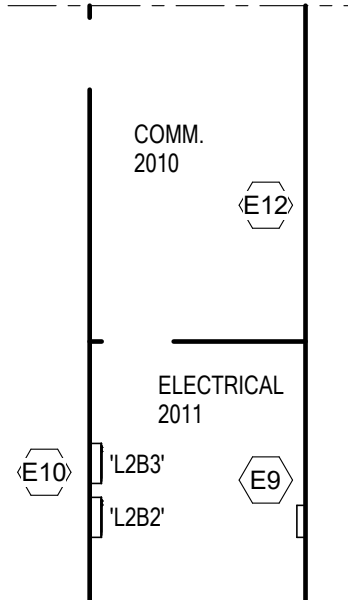
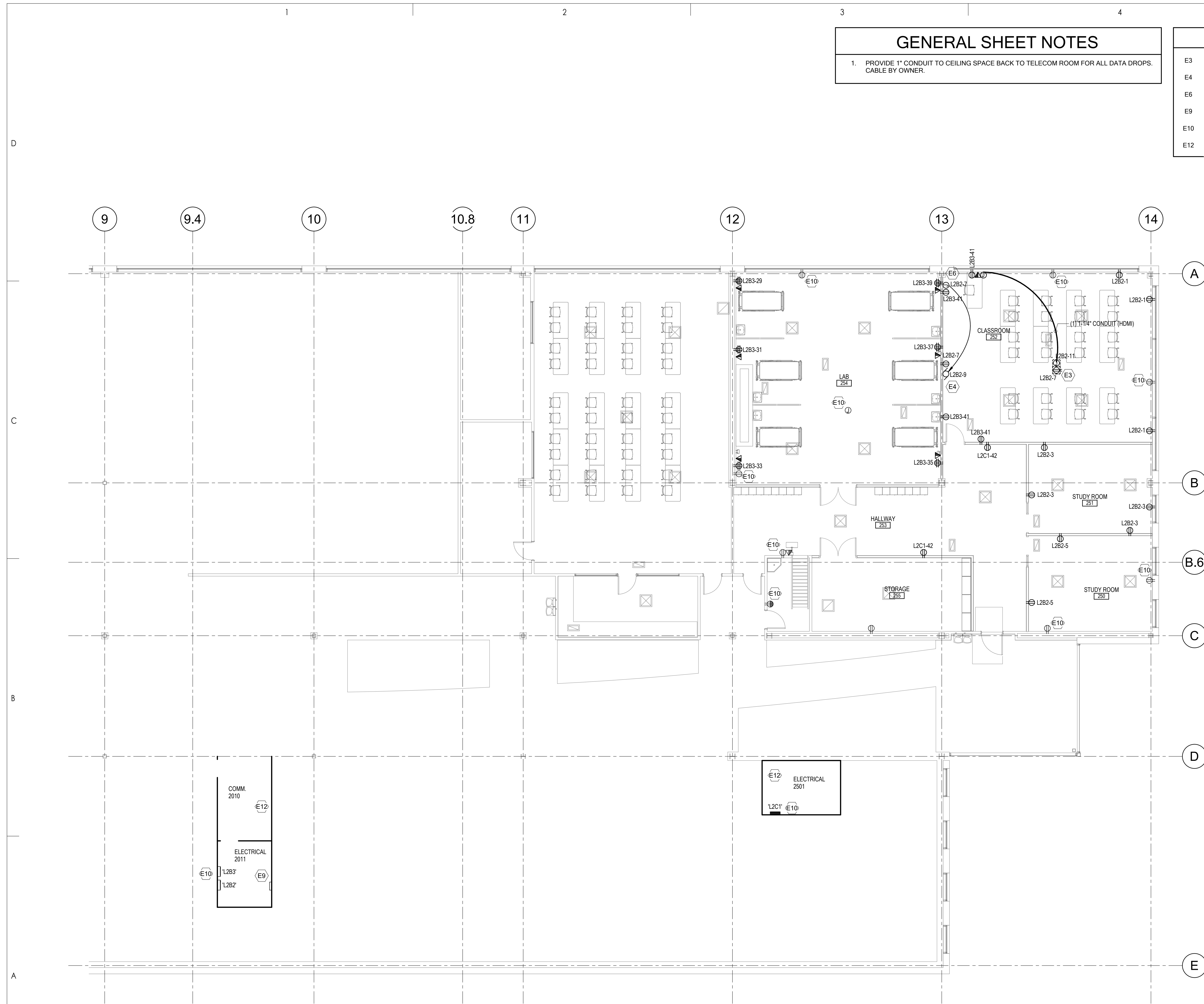


### GENERAL SHEET NOTES

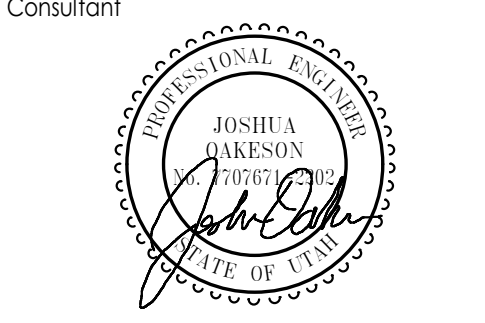
1. PROVIDE 1" CONDUIT TO CEILING SPACE BACK TO TELECOM ROOM FOR ALL DATA DROPS. CABLE BY OWNER.

### SHEET KEYNOTES

- E3 POWER FOR PROJECTOR.
- E4 MOTOR FOR MOTORIZED SCREEN.
- E6 POWER FOR SCREEN CONTROL.
- E9 EXISTING FIRE ALARM PANEL IS IN LEVEL 01 ELECTRICAL ROOM. PANEL TO STAY.
- E10 EXISTING DEVICE(S) TO STAY.
- E12 ALL NEW CABLE/CONDUIT TO RUN CONCEALED EITHER UNDER BRIDGE IN ENCLOSED CEILING OR ABOVE CEILING. PATCH/REPAIR ANY DAMAGE TO CEILINGS.



**LEVEL 02 AREA B POWER PLAN**  
SCALE = 1/8" = 1'-0"



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**LEVEL 02 AREA B POWER PLAN**

Sheet Number

**E302**



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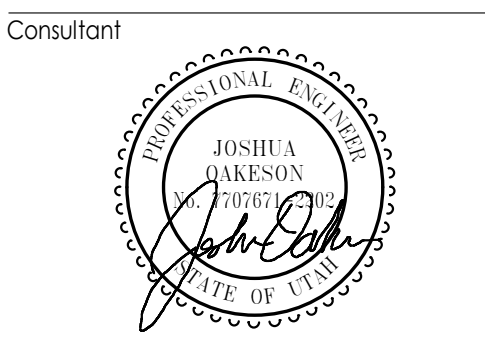


### SHEET KEYNOTES

- F1 CAMERA AND CABLE TO BE PROVIDED BY OWNER. PROVIDE (1) 1" CONDUIT BACK TO CONTROL STATION RACK.
- F2 CONTROL STATION RACK. PROVIDED BY OWNER.
- F3 EXISTING DEVICE(S) TO STAY.
- F4 EXISTING FIRE ALARM PANEL IS IN LEVEL 01 ELECTRICAL ROOM. PANEL TO STAY.



**LEVEL 02 AREA A SYSTEMS PLAN**  
SCALE = 1/8" = 1'-0"



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**LEVEL 02 AREA A  
SYSTEMS PLAN**

Sheet Number

**E401**

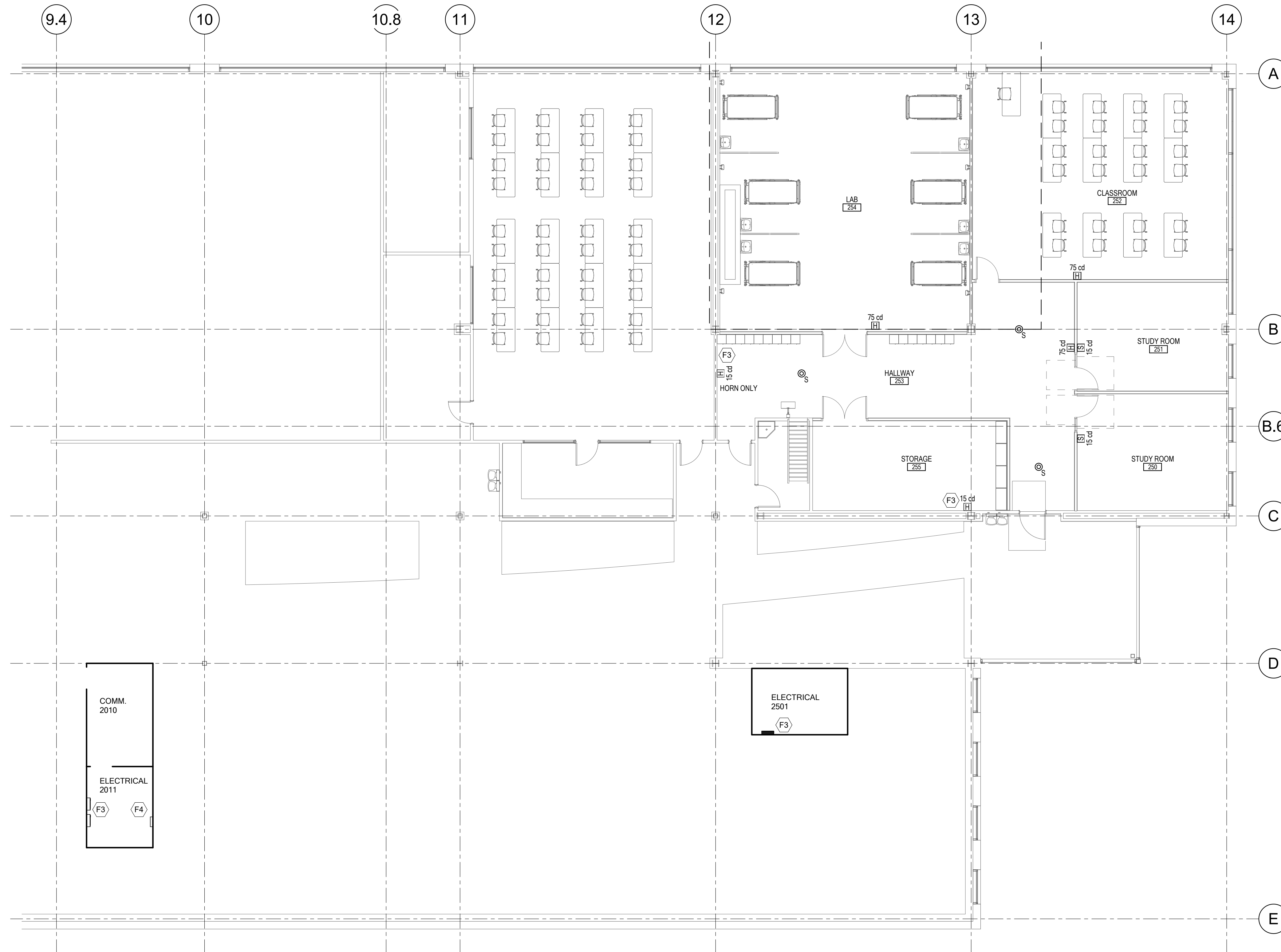


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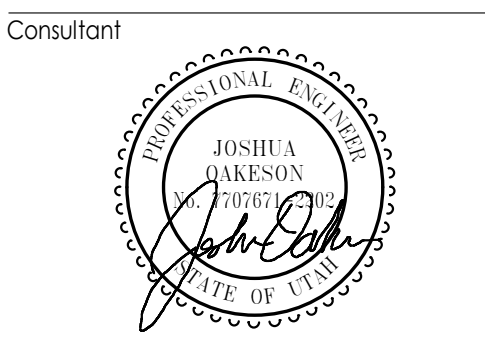


**SHEET KEYNOTES**

- F3 EXISTING DEVICE(S) TO STAY.
- F4 EXISTING FIRE ALARM PANEL IS IN LEVEL 01 ELECTRICAL ROOM. PANEL TO STAY.



**LEVEL 02 AREA B SYSTEMS PLAN**  
SCALE = 1/8" = 1'-0"



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**LEVEL 02 AREA B  
SYSTEMS PLAN**

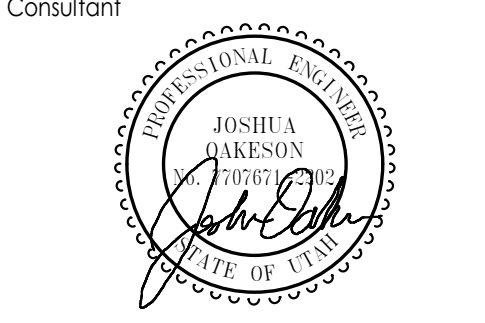
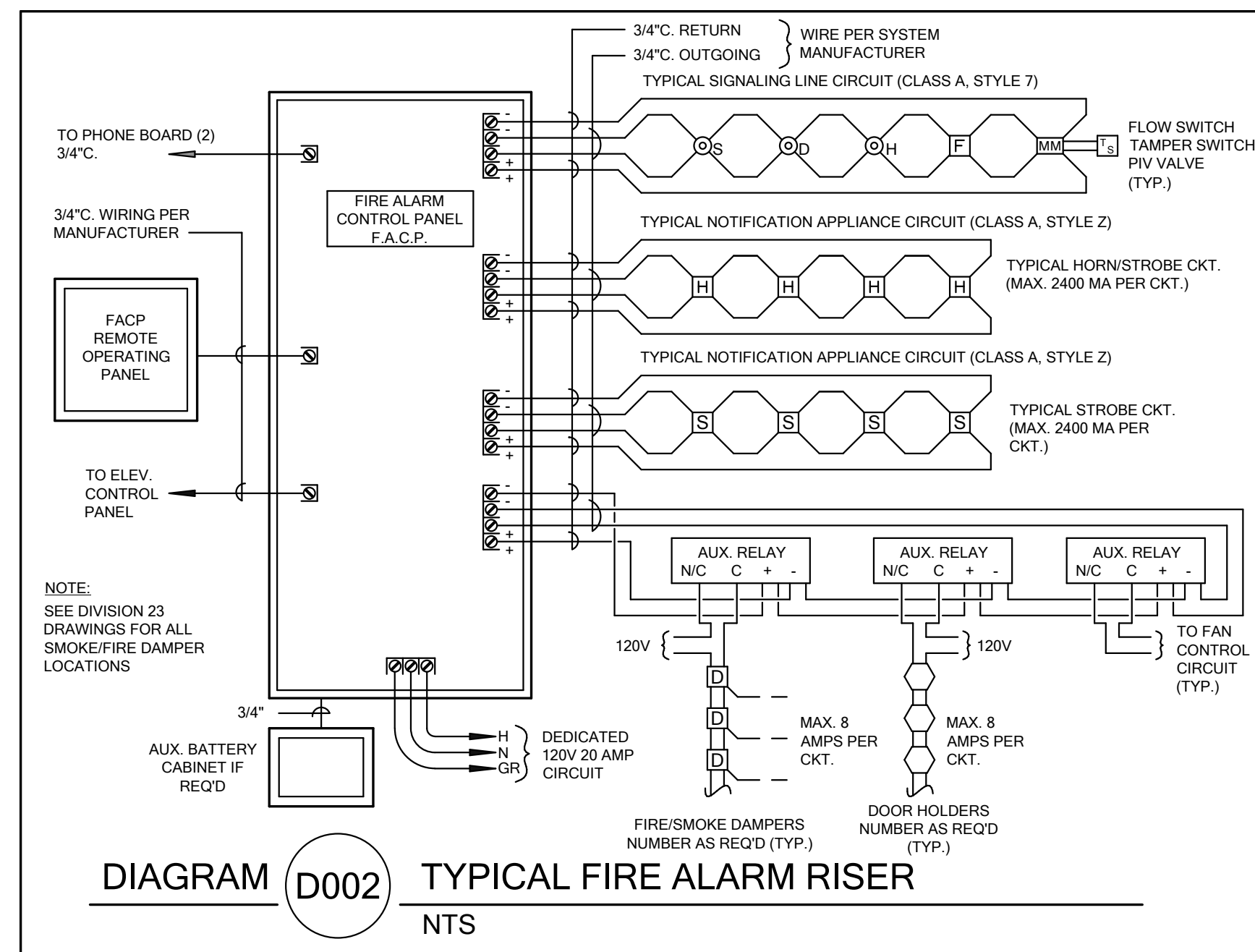
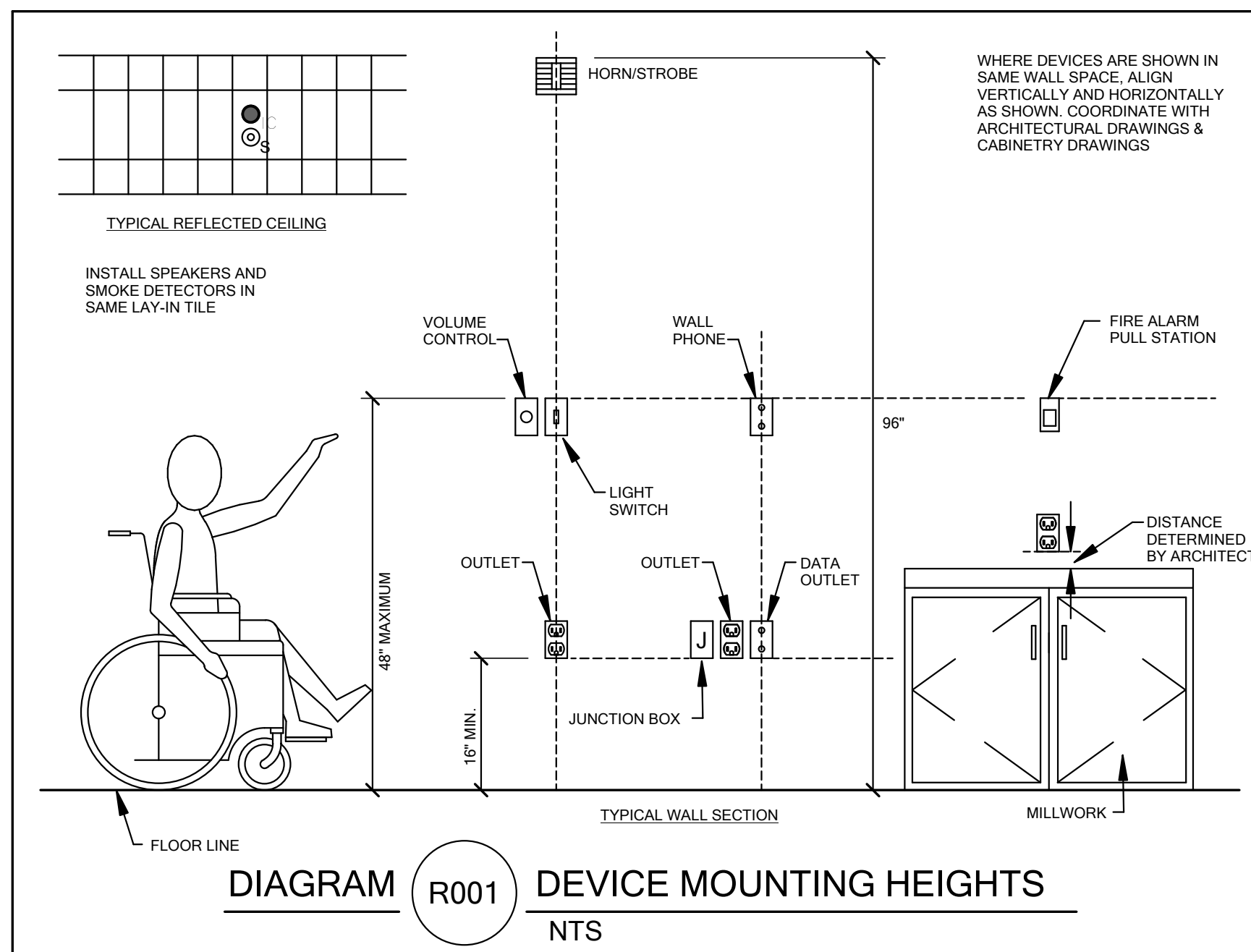
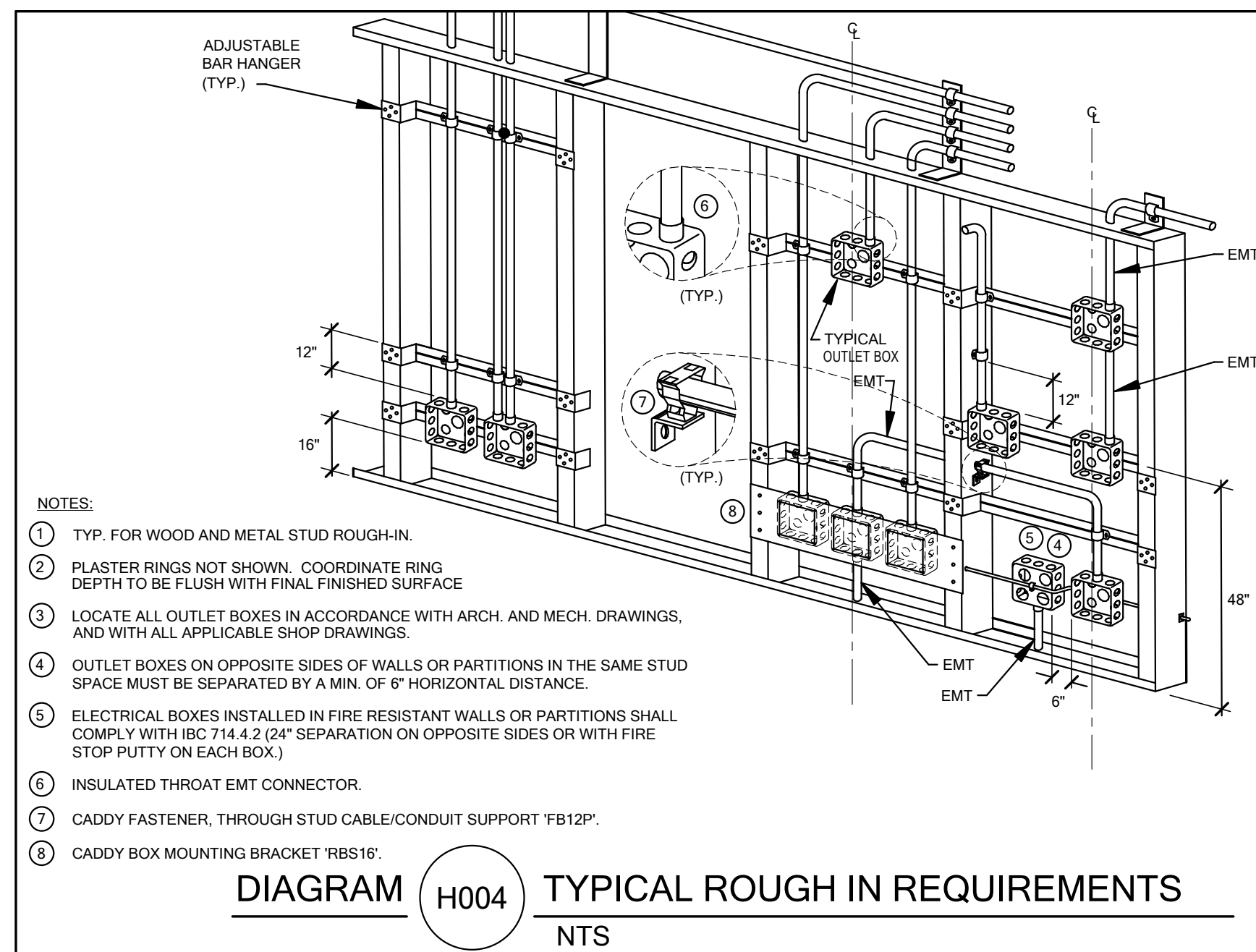
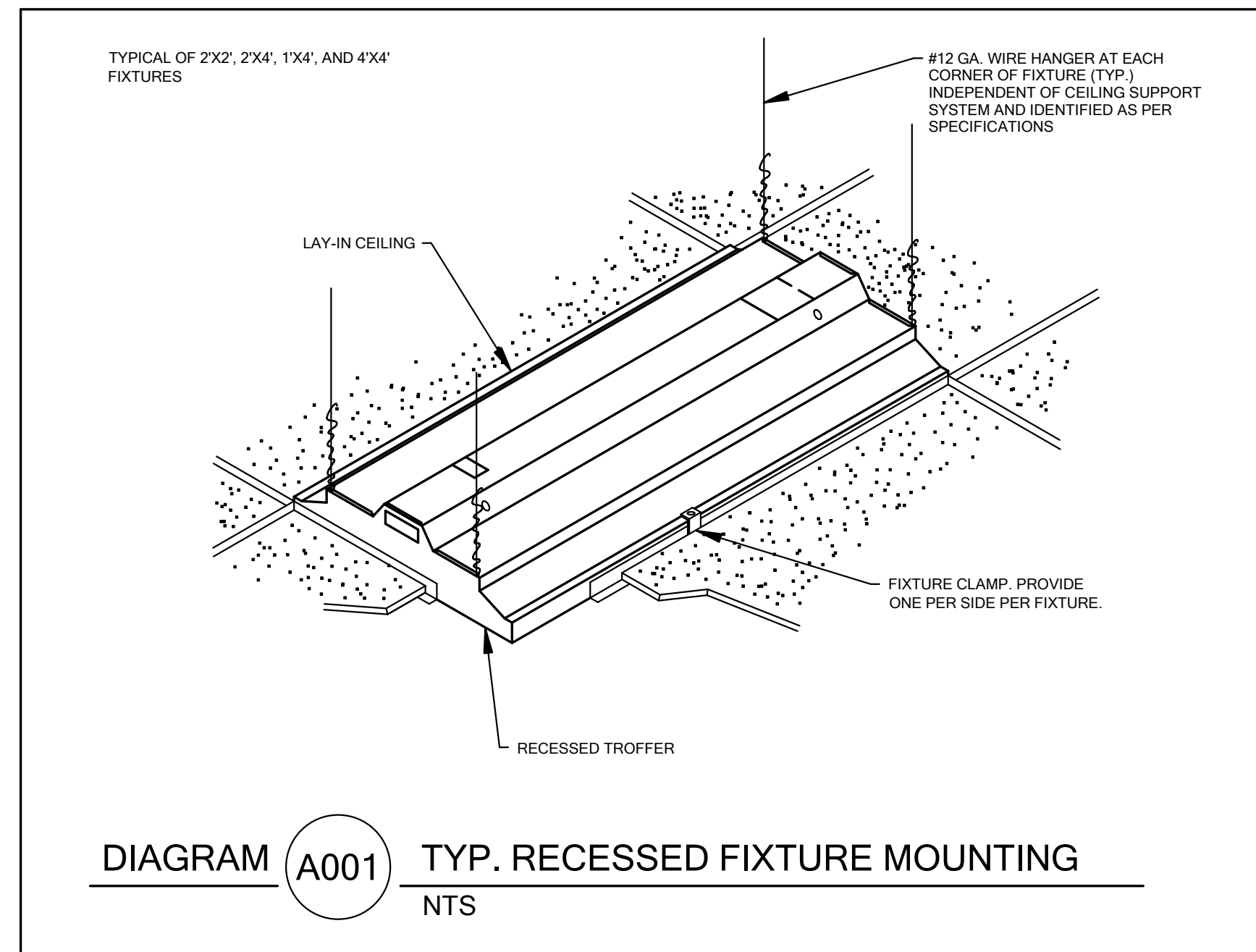
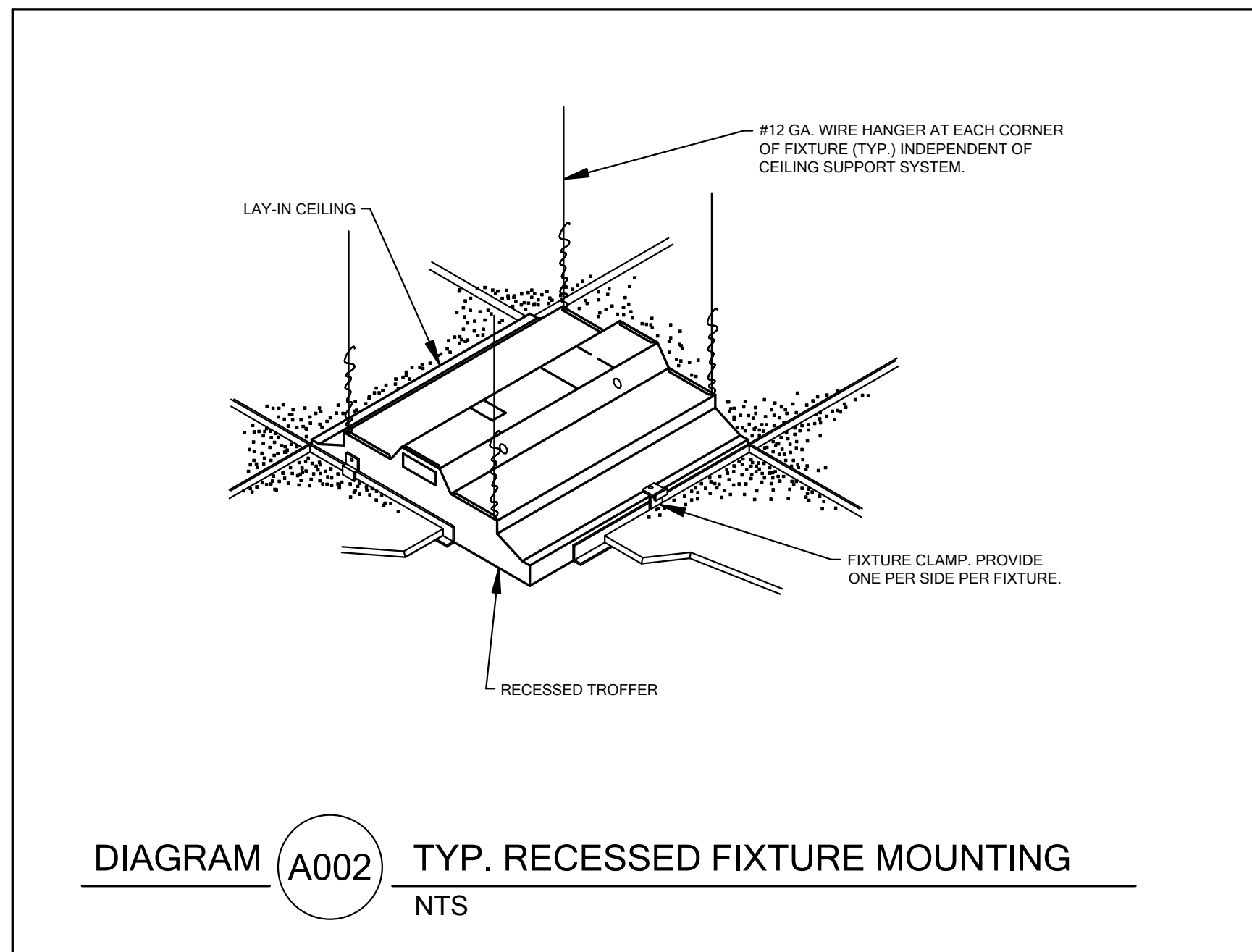
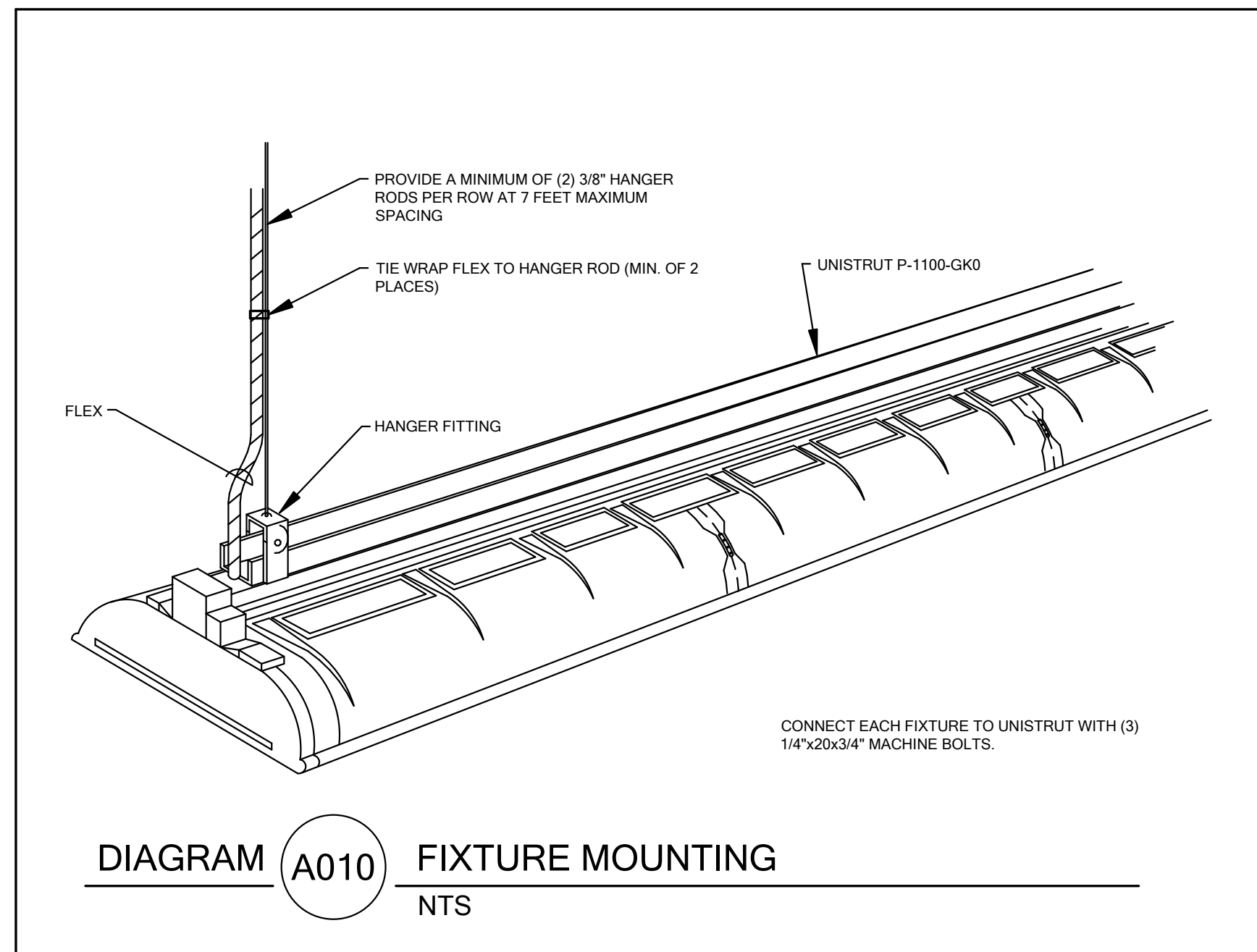
Sheet Number

**E402**



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ELECTRICAL DIAGRAMS

Sheet Number

E501



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