
From: Loren Broyles <loren.broyles@cshqa.com>

Sent: Friday, February 24, 2023 2:38 PM

To: Juan Garcia <jgarcia@andersen-const.com>; Travis Frei <Travis.Frei@itd.idaho.gov>

Cc: Tony.Pirc@itd.idaho.gov

Subject: ITD Caldwell: Addendum 1

Juan and Travis,

Attached are revised plan sheets for Addendum 1.

The changes made are:

1. Change restrooms 105 and 107 to single occupant unisex restrooms, per ITD's request. (Sht. A21, A41, A61, A81, P21, P22, P41)
 - a. Change door hardware to locking hardware
 - b. Change toilet to urinal in restroom 105.
 - c. Remove stall partitions.
 - d. Remove one sink in restroom 105.
2. Add doors 118 and 119 to door schedule, per RFI 01 (Sht. A81)
3. Add FRP around mop sink in Room 206, per RFI 02 (Sht. A61 Finish Schedule).
4. Add paper towel and soap dispensers to the sink areas in Breakrooms 104 and 202, per RFI 02. (Sht. A21, A41)
5. Add spec information for paper towel dispensers, soap dispensers and toilet paper dispensers to Fixtures/Accessories, per RFI 02. (Sht. A41)
6. Change room number on detail A41-3 from 206 to 207, per RFI 2. (Sht. A41)
7. Identify on the demolition plan the suspended ceiling at the mezzanine to be removed, per pre-bid site walk comments. (Sht. A11)
8. Identify on the demolition plan the extents of the slab demo where new plumbing is being installed, per pre-bid site walk comments. (Sht. A11)
9. Increase the width of Decon Room 112 to allow for new 2021 ADA turning diameter of 67", per pre-bid site walk comments. (Sht. A21, A31, A41, P21, P22)
10. Updated louver schedule and identified all louvers on plan, per RFI 03 (Sht. M21, M41)
11. Added grille callout and CFM, per RFI 03 (Sht. M21, M41)
12. Added louver tag and updated schedule for the OSA on FC-2, per RFI 03 (Sht. M21, M41).
13. Updated plans to identify unidentified grilles as EF-2, per RFI 03 (Sht. M21, M41).

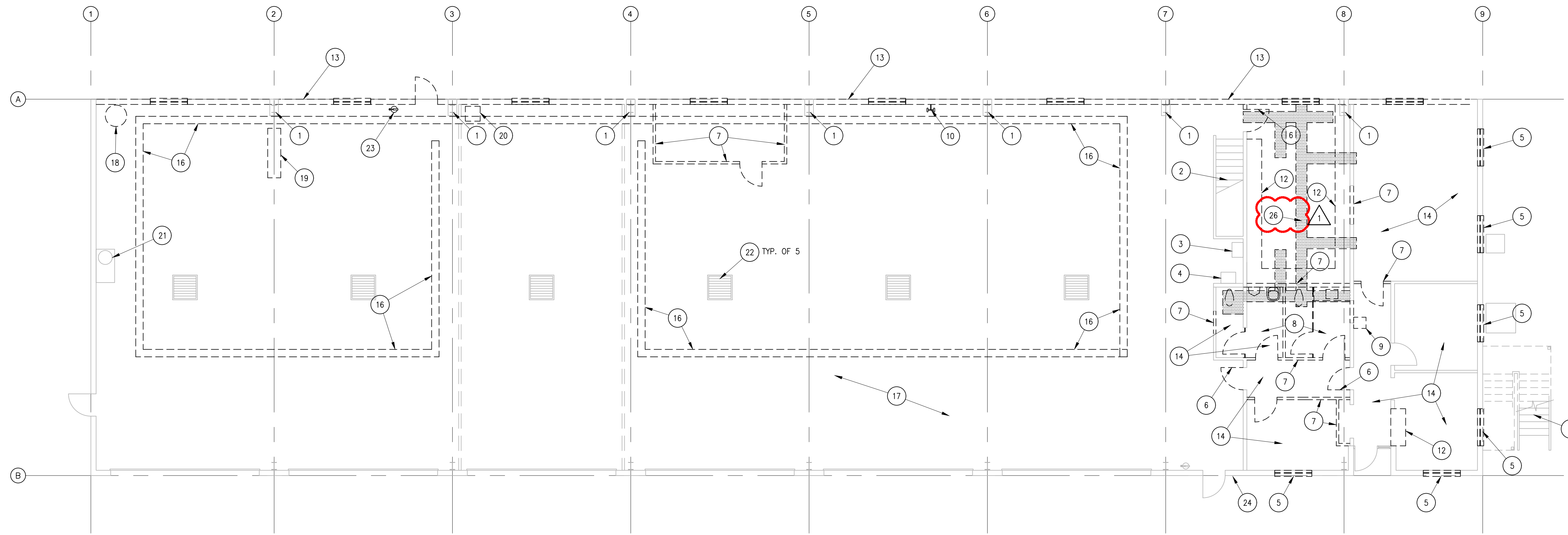
Loren Broyles | CSHQA

Architecture

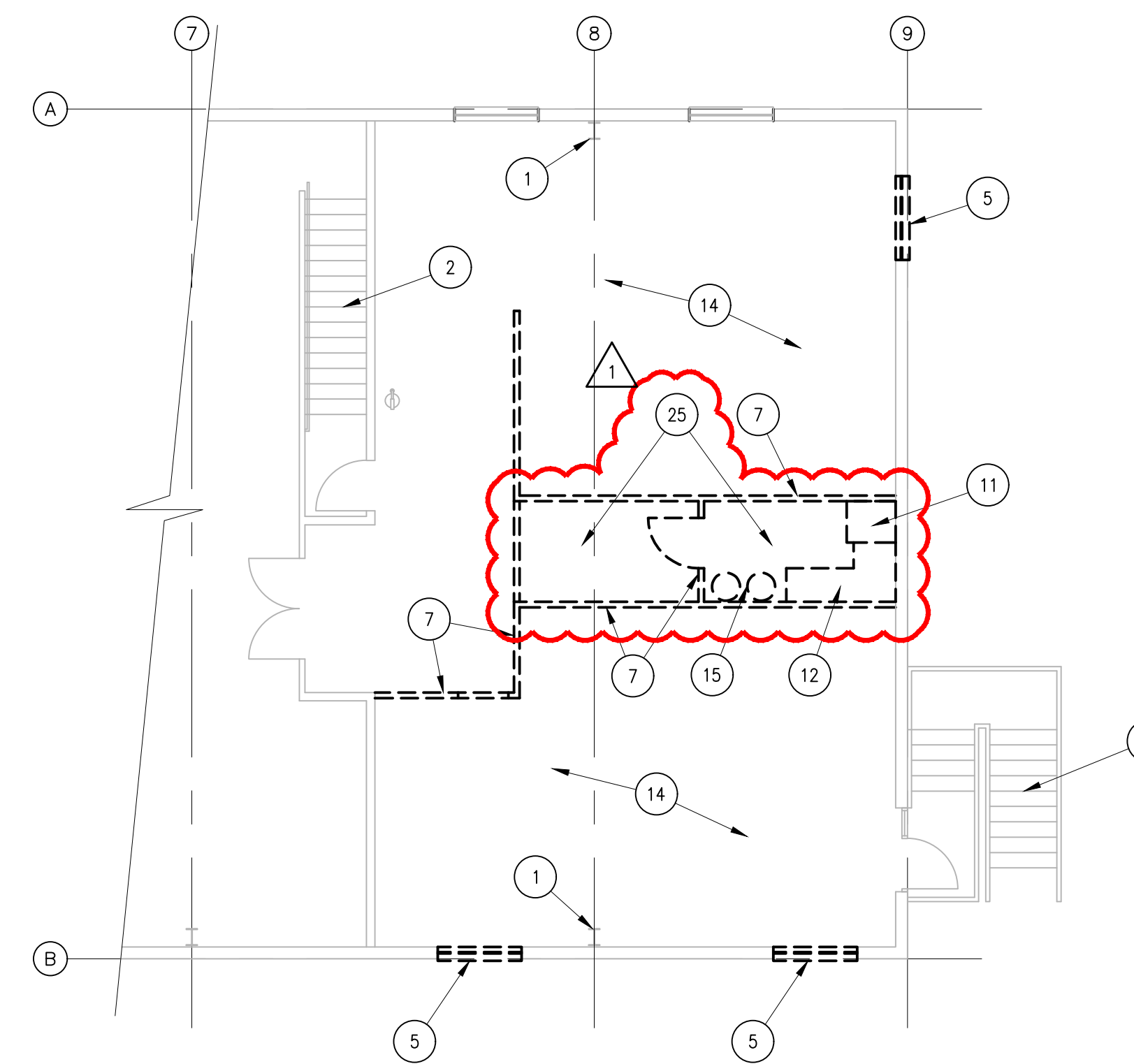
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1 DEMOLITION FLOOR PLAN
SCALE 1/8" = 1'-0"



2 DEMOLITION MEZZANINE PLAN
SCALE 1/8" = 1'-0"

LEGEND:

- EXISTING TO REMAIN
- - - EXISTING TO BE REMOVED

SHEET NOTES:

1. EXISTING STRUCTURAL COLUMN TO REMAIN.
2. EXISTING STAIRS TO REMAIN.
3. EXISTING ICE MAKER TO REMAIN.
4. EXISTING UTILITY SINK TO REMAIN.
5. WINDOW ASSEMBLY TO BE REMOVED.
6. DOOR AND FRAME ASSEMBLY TO BE REMOVED.
7. FRAME WALL ASSEMBLY TO BE REMOVED.
8. RESTROOM (IN ITS ENTIRETY) TO BE REMOVED.
9. DRINKING FOUNTAIN AND ASSOCIATED PLUMBING TO BE REMOVED. SEE PLUMBING FOR ADDITIONAL INFORMATION.
10. EYE WASH STATION TO BE RELOCATED. PROTECT FROM DAMAGE.
11. HVAC SYSTEM TO BE REMOVED. SEE MECHANICAL FOR ADDITIONAL INFORMATION.
12. MILLWORK TO BE REMOVED.
13. EXISTING WALL AND CONCRETE STEM WALL TO BE REMOVED. CONTRACTOR TO COORDINATE WITH OWNER FOR EQUIPMENT LOCATED ON WALL TO BE DEMOLISHED. RETAIN, STORE AND PROTECT FROM DAMAGE ANY ITEMS AND EQUIPMENT THAT IS TO BE RELOCATED TO NEW EXTERIOR WALL.
14. REMOVE ALL EXISTING FLOORING AT MAIN FLOOR OFFICE AREA AND MEZZANINE. NOTE THAT THE VINYL FLOOR BACKING IN THE HALL AND WOMEN'S RESTROOM HAS BEEN IDENTIFIED AS CONTAINING ASBESTOS (SEE ASBESTOS REPORT).
15. REMOVE WATER HEATER AND ASSOCIATED PLUMBING. SEE PLUMBING FOR ADDITIONAL INFORMATION.
16. RADIANT HEAT SYSTEM TO BE REMOVED. SEE MECHANICAL FOR ADDITIONAL INFORMATION.
17. REMOVE ALL METAL ROOFING. PROTECT ROOF FRAMING AND INSULATION.
18. EXISTING AIR COMPRESSOR TO BE RELOCATED.
19. EXISTING HOSE REELS AND SUPPORTS TO BE RELOCATED.
20. EXISTING VEHICLE EXHAUST FAN TO BE RELOCATED.
21. EXISTING HOTSYS EQUIPMENT TO REMAIN. PROTECT FROM DAMAGE.
22. EXISTING FLOOR DRAIN TO REMAIN.
23. EXISTING FIRE EXTINGUISHER AND MOUNTING BOARD TO BE RELOCATED.
24. EXISTING ELECTRICAL SERVICE TO REMAIN.
25. CEILING TO BE REMOVED.
26. SAWCUT AND REMOVE EXISTING CONCRETE SLAB AND REPOUR (SHADED AREA) AS NECESSARY FOR INSTALLATION OF NEW UNDER-SLAB PLUMBING. COORDINATE WITH PLUMBING.

GENERAL NOTES:

- A. MAINTAIN THE INTEGRITY OF ALL REMAINING BUILDING SYSTEMS AND RATINGS. REPAIR ANY DAMAGE DONE TO SURROUNDING AREAS DURING DEMOLITION.
- B. PATCH AND REPAIR ANY DAMAGE OR PENETRATIONS AT ALL ELEMENTS TO REMAIN (INCLUDING BUT NOT LIMITED TO WALLS, CEILINGS, FLOORS, ETC.) CAUSED BY DEMOLITION ACTIVITIES OR REMOVAL OF ELECTRICAL, MECHANICAL, AND ARCHITECTURAL ELEMENTS, AND EQUIPMENT. REPLACE ITEMS NOT REPAIRABLE TO ORIGINAL STATE. EXISTING FINISH MATERIALS, INCLUDING CEILINGS, TRIM, ETC. SHALL BE PROTECTED AND RETAINED UNLESS OTHERWISE NOTED.
- C. EXISTING EQUIPMENT, WALLS, CEILINGS, ETC., ARE SHOWN FOR REFERENCE ONLY. CONTRACTOR SHALL VERIFY ALL DIMENSIONS, FINISHES, AND LOCATIONS.
- D. CLEAN CONSTRUCTION DEBRIS AND DUST DAILY BEYOND CONSTRUCTION LIMITS.
- E. AT ALL LOCATIONS WHERE A WALL TO BE REMOVED INTERSECTS A WALL TO REMAIN, PATCH AND REPAIR WALL TO REMAIN. ALIGN FINISH FACE OF PATCH WITH ADJACENT FINISH FACE.
- F. COORDINATE ALL DEMOLITION WITH FLOOR PLAN. WHERE NEW WORK IS INDICATED, SUCH WORK SHALL INCLUDE ALL REQUIRED DEMOLITION OR REMOVAL OF EXISTING FINISHES, SYSTEMS, AND ALL RELATED ITEMS FOR THAT WORK.
- G. FIELD VERIFY ANY EXISTING PIPING LOCATIONS TO DETERMINE EXTENT OF ANY TRENCHING THAT MAY BE REQUIRED FOR MODIFICATIONS. FOR NEW PATCHES, DOWEL A 12" LONG #3 BAR AT 48" O.C. (6" MIN. EMBEDMENT) INTO THE EXISTING SLAB TO TIE THE NEW SLAB WITH THE EXISTING. A MINIMUM OF (2) DOWELS ARE REQUIRED FOR SMALLER PATCHES.
- H. UPON COMPLETION OF DEMOLITION THOROUGHLY CLEAN ALL SURFACES INDICATED TO REMAIN OF DUST, DIRT, AND DEBRIS IN PREPARATION FOR NEW CONSTRUCTION.
- I. CONTRACTOR TO COORDINATE WITH OWNER PRIOR TO COMMENCING WORK TO CONFIRM ANY ITEMS TO BE SALVAGED AND RETAINED BY OWNER.
- J. THIS PLAN SHOWS GENERAL DEMOLITION WORK TO BE PERFORMED AND DOES NOT RELIEVE THE CONTRACTOR FROM OTHER DEMOLITION WORK REQUIRED TO PRODUCE THE BUILDING MODIFICATIONS SHOWN ON THE REMAINING CONTRACT DOCUMENTS.
- K. CONTRACTOR SALVAGE ITEMS SHALL BE DISPOSED OF PROPERLY OFF SITE AND IN AN EXPEDITIOUS MANNER.

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ORIGINAL DOCUMENT SIGNED BY ARCHITECT JAMES MARSH
ORIGINAL DATE SIGNED: FEBRUARY 24, 2023

ITD MAINTENANCE BLDG. IMPROVEMENTS
CALDWELL, IDAHO
15430 HIGHWAY 44

PROJECT: 22123.00
DATE: 1/20/23
DRAWN: LGB
CHECKED: JAM

REVISED: 2/24/23
ADDENDUM ONE

SHEET TITLE: DEMOLITION PLANS

SHEET: A11

ORIGINAL SHEET SIZE: 30" x 42"

LEGEND:

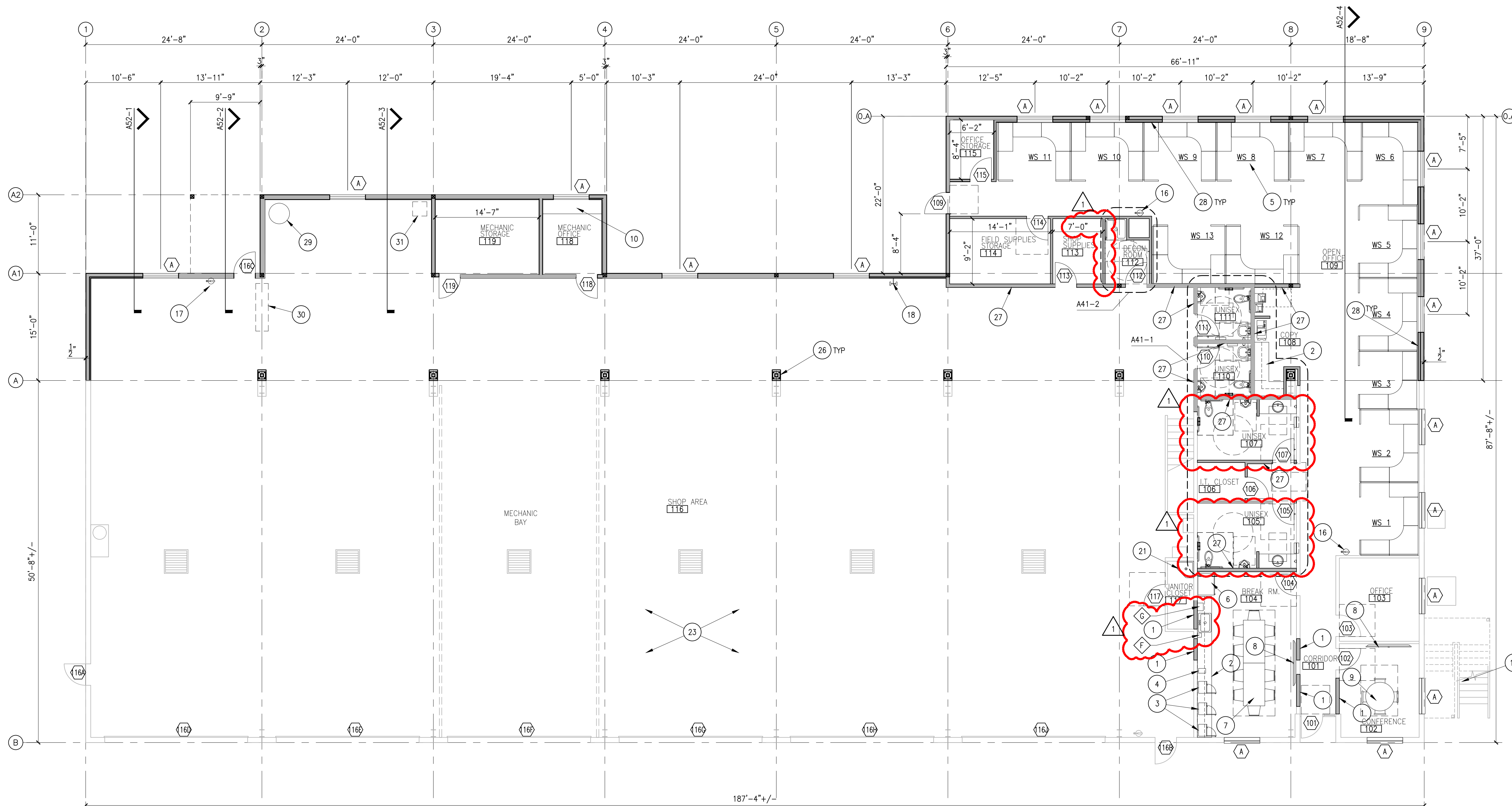
- EXISTING TO REMAIN
- NEW STUD WALL
- INTERIOR NON-LOAD-BEARING WALLS TO BE 3 5/8" x 20 GA METAL STUDS AT 24" O.C. EXCEPT WHERE NOTED TO BE 6" STUDS.
- PROVIDE HEADERS AT WALL OPENINGS PER DETAIL S4.0-4 (SM). (PROVIDE ONE TRIMMER AND ONE KING STUD AT EACH SIDE OF OPENING. HEADER STUD SIZE TO MATCH WALL STUD SIZE.)
- PROVIDE 5/8" GYP. BD. EACH SIDE, TAPED, TEXTURED AND PAINTED (EXCEPT MEZZANINE FURRED OUT WALL-ONE SIDE ONLY).
- WATER RESISTANT GYP. BD. AT TOILET ROOMS, SHOWERS, UTILITY ROOMS AND JANITOR CLOSETS.
- ALL WALLS TO EXTEND TO STRUCTURE/ROOF DECK ABOVE UNLESS OTHERWISE NOTED.
- AT SUSPENDED TILE CEILING LOCATIONS EXTEND WALLS TO 6" ABOVE CEILING.
- EXTERIOR WALLS TO BE 6" METAL STUDS. SEE WALL SECTIONS AND STRUCTURAL FOR ADDITIONAL INFORMATION.

GENERAL NOTES:

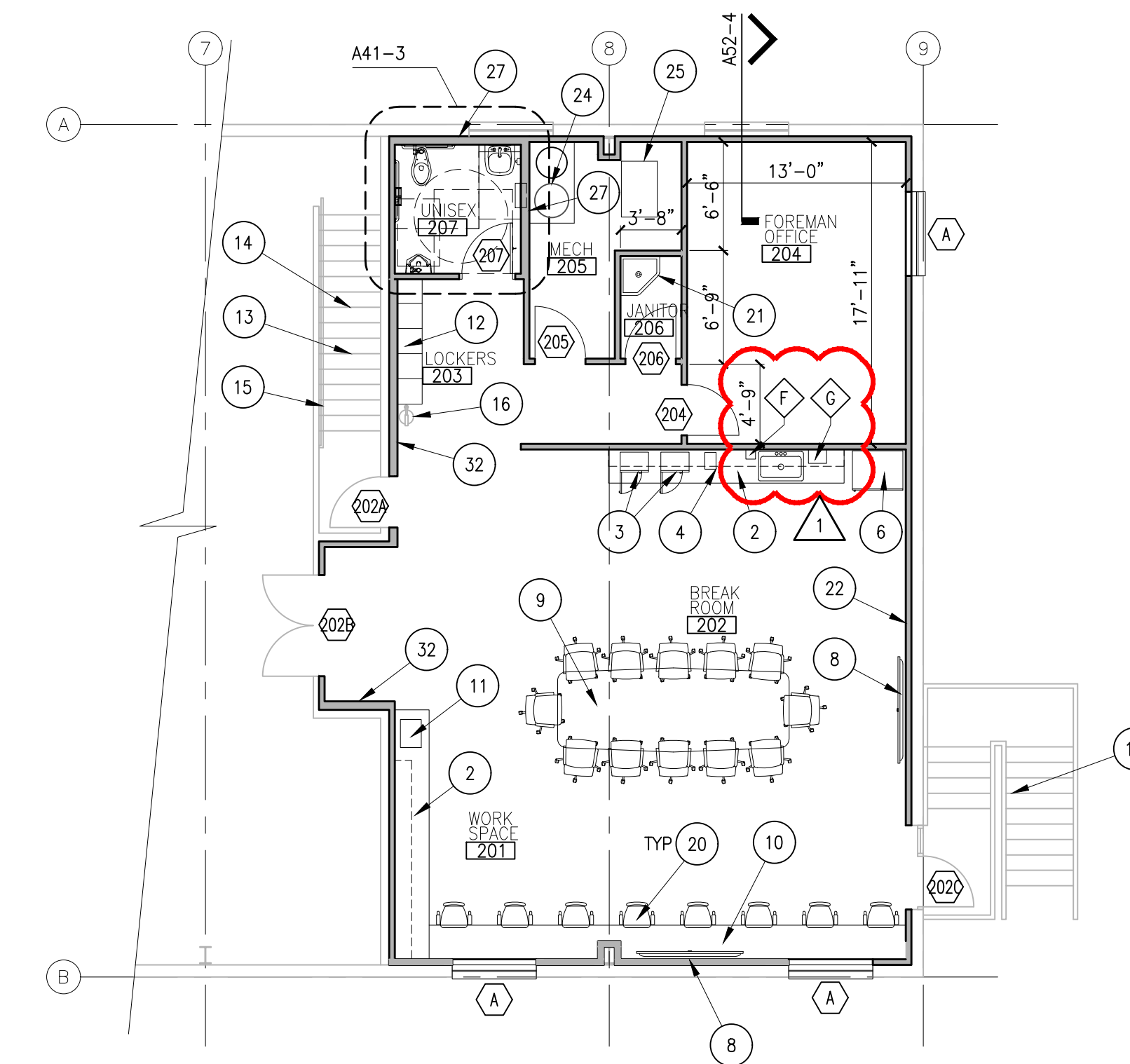
- A. ALL WALL DIMENSIONS ARE TO FACE OF STUD UNLESS NOTED OTHERWISE.
- B. VERIFY DIMENSIONS OF ALL FIXTURES AND EQUIPMENT PROVIDED BY OWNER AND OWNER'S OUTSIDE CONTRACTORS.
- C. PROVIDE BLOCKING AS REQUIRED FOR ALL WALL MOUNTED ITEMS.
- D. WHERE NEW WORK IS CALLED FOR, SUCH WORK SHALL INCLUDE REQUIRED DEMOLITION OR REMOVAL OF EXISTING FINISHES, SYSTEMS AND ALL RELATED ITEMS.
- E. SOUND INSULATE ALL RESTROOM WALLS.
- F. THE HINGE SIDE OF ALL DOOR FRAMES SHALL BE MOUNTED 4" FROM ADJACENT PERPENDICULAR WALL UNLESS OTHERWISE NOTED.
- G. CONTRACTOR SHALL FIELD MEASURE ALL AREAS TO RECEIVE MILLWORK PRIOR TO FABRICATION OF MILLWORK.
- H. REPLACE CONCRETE SLAB WHERE SAW-CUT AND REMOVED FOR INSTALLATION OF PLUMBING. SEE DEMOLITION PLAN FOR EXTENT.

SHEET NOTES:

1. FILL IN WALL OPENING AND FINISH TO MATCH ADJACENT.
2. MILLWORK, RE: SHEET A61.
3. MICROWAVE OVEN, PROVIDED AND INSTALLED BY ITD. CONTRACTOR TO PROVIDE ELECTRICAL. SEE ELECTRICAL FOR ADDITIONAL INFORMATION.
4. COFFEE MAKER, PROVIDED AND INSTALLED BY ITD. CONTRACTOR TO PROVIDE ELECTRICAL. SEE ELECTRICAL FOR MORE INFORMATION.
5. WORK STATION, TYPICAL. PROVIDED AND INSTALLED BY ITD.
6. REFRIGERATOR, PROVIDED AND INSTALLED BY ITD. CONTRACTOR TO PROVIDE POWER AND WATER FOR ICE MAKER. SEE PLUMBING AND ELECTRICAL FOR ADDITIONAL INFORMATION.
7. TABLE AND CHAIRS, PROVIDED AND INSTALLED BY ITD.
8. VIDEO MONITOR, PROVIDED AND INSTALLED BY ITD. CONTRACTOR TO PROVIDE A/V AND POWER.
9. CONFERENCE TABLE AND CHAIRS, PROVIDED AND INSTALLED BY ITD.
10. COUNTER TOP, RE: A61-5.
11. COPY MACHINE, PROVIDED AND INSTALLED BY ITD. CONTRACTOR TO PROVIDE POWER AND DATA CONNECTION. SEE ELECTRICAL FOR MORE INFORMATION.
12. LOCKERS, PROVIDED AND INSTALLED BY ITD.
13. EXISTING STAIRS TO REMAIN.
14. INSTALL NEW ANTI-SLIP STAIR TREADS ON EXISTING STAIRS. COLOR: DARK GRAY.
15. EXISTING HANDRAIL. REPAINT EXISTING COLOR.
16. FIRE EXTINGUISHER, PROVIDED AND INSTALLED BY ITD.
17. RELOCATED FIRE EXTINGUISHER AND WALL MARKING.
18. RELOCATED EYE WASH. SEE PLUMBING FOR ADDITIONAL INFORMATION.
19. WORK STATION, PROVIDED AND INSTALLED BY ITD.
20. CHAIR, PROVIDED BY ITD.
21. MOP SINK. SEE PLUMBING FOR ADDITIONAL INFORMATION.
22. 2x4 FURRING AT MEZZANINE PERIMETER WALLS.
23. CLEAN EXISTING SHOP CONCRETE SLAB AND SEAL WITH SIKAGARD 705L.
24. 4" HIGH HOUSEKEEPING PAD UNDER WATER HEATER AND PRESSURE TANK.
25. HVAC UNIT. SEE MECHANICAL.
26. NEW STRUCTURAL COLUMN ON RAISED CONCRETE STEM WALL. SEE STRUCTURAL. PAINT COLUMN TO MATCH EXISTING.
27. 2x6 STUD WALL.
28. 2x4 FURRING AT OPEN OFFICE EXTERIOR WALLS.
29. RELOCATED AIR COMPRESSOR. CONNECT TO EXISTING AIR LINE(S). VERIFY EXACT LOCATION WITH OWNER.
30. RELOCATED HOSE REELS AND SUPPORTS. VERIFY EXACT LOCATION WITH OWNER.
31. RELOCATED VEHICLE EXHAUST FAN. VERIFY EXACT LOCATION WITH OWNER.
32. 2x6 FURRING TO ACCOMMODATE RECESSED ELECTRICAL PANEL. COORDINATE WITH ELECTRICAL.



1 FIRST FLOOR PLAN
SCALE 1/8" = 1'-0"



2 MEZZANINE FLOOR PLAN
SCALE 1/8" = 1'-0"

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ARCHITECTURE WITH THE
OWNER
JAMES A. MARSH
ORIGINAL DATE SIGNED:
FEBRUARY 24, 2023

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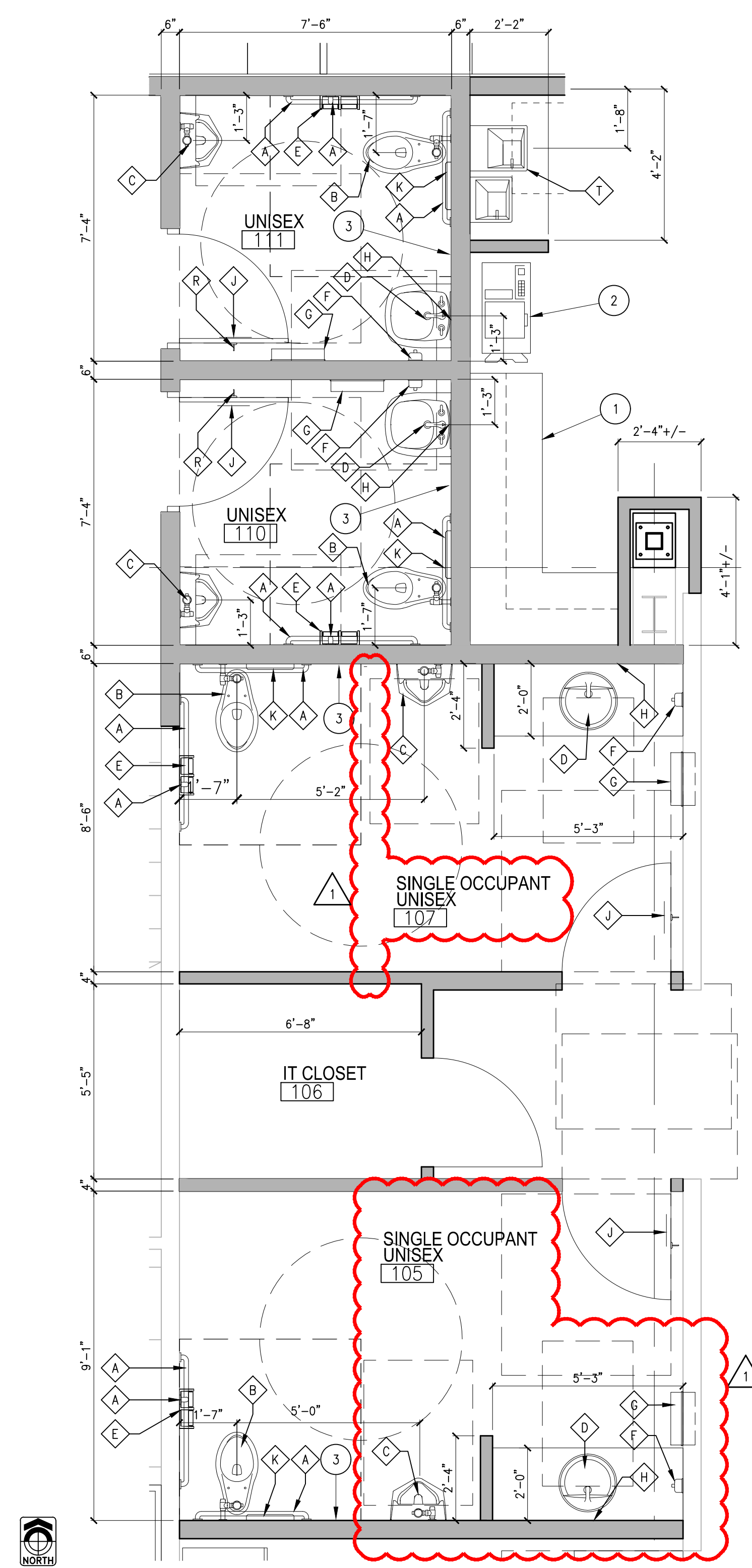
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1 2/24/23 ADDENDUM ONE

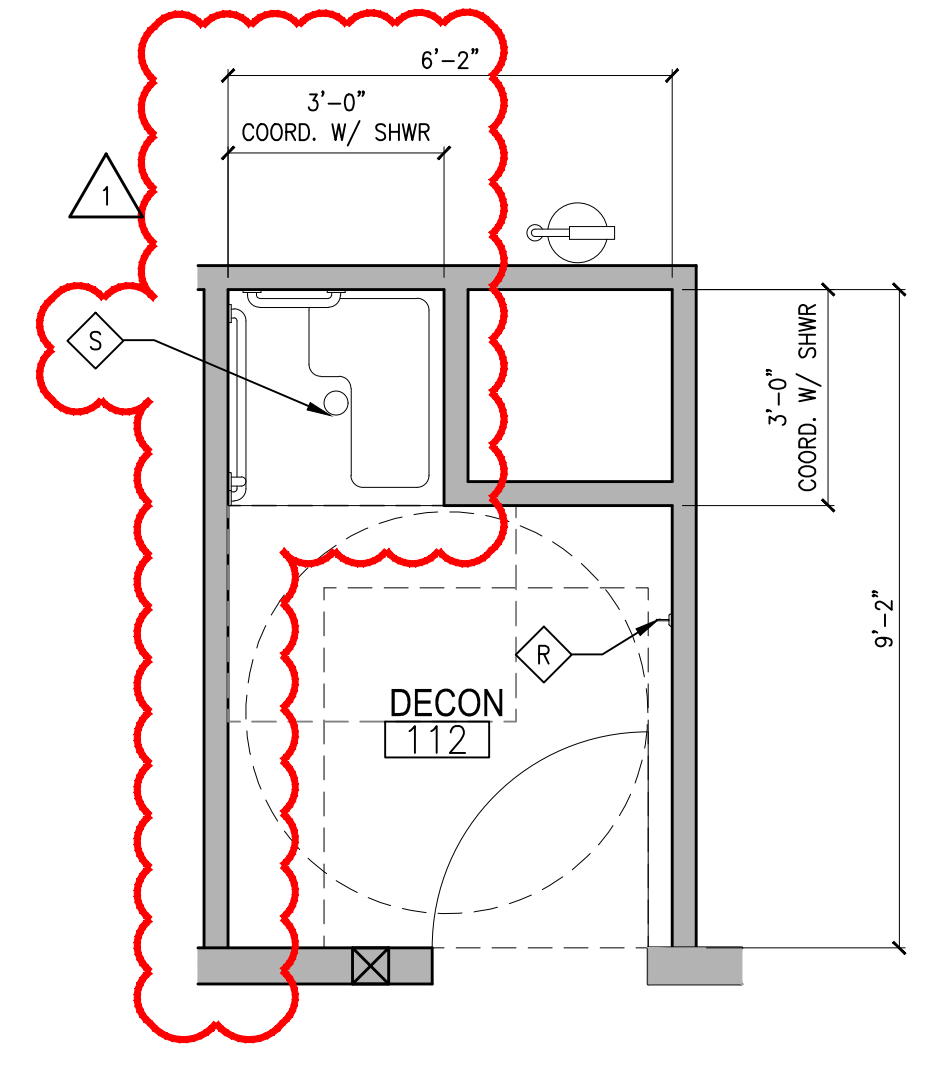
SHEET TITLE
FLOOR PLANS

SHEET
A21

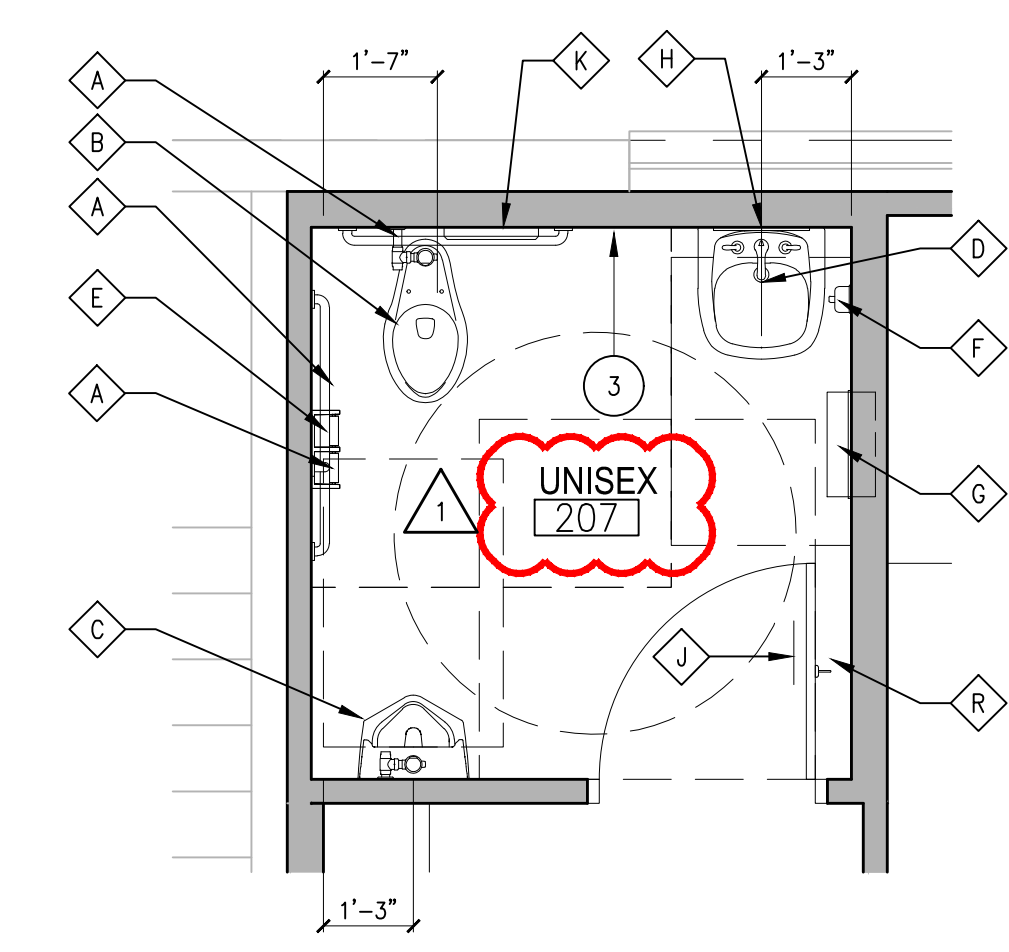
ORIGINAL SHEET SIZE
30" x 42"



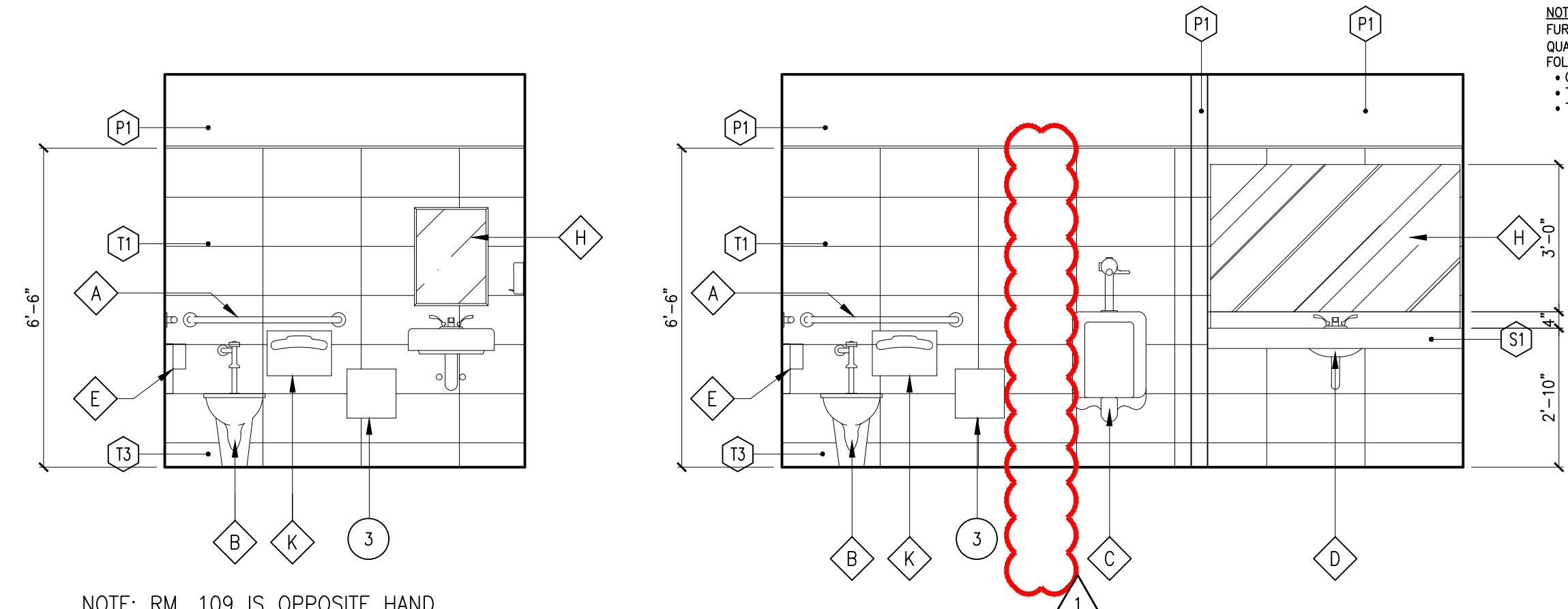
1 LG. SCALE RESTROOM PLAN
SCALE 3/8" = 1'-0"



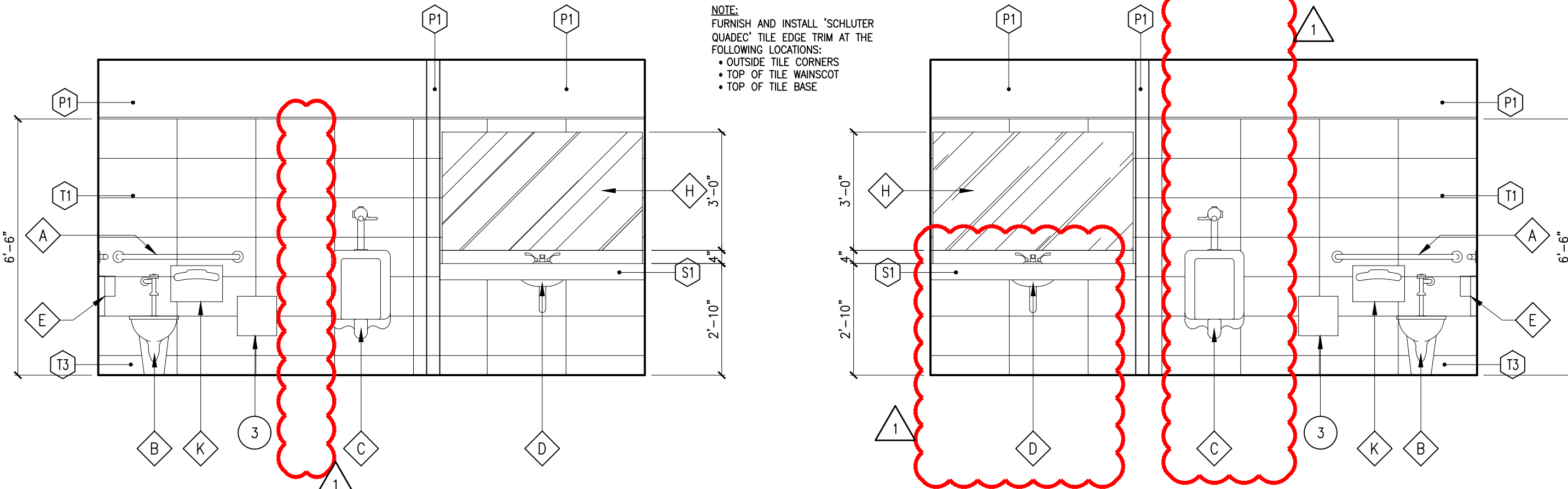
2 LG. SCALE DECON RM. PLAN
SCALE 3/8" = 1'-0"



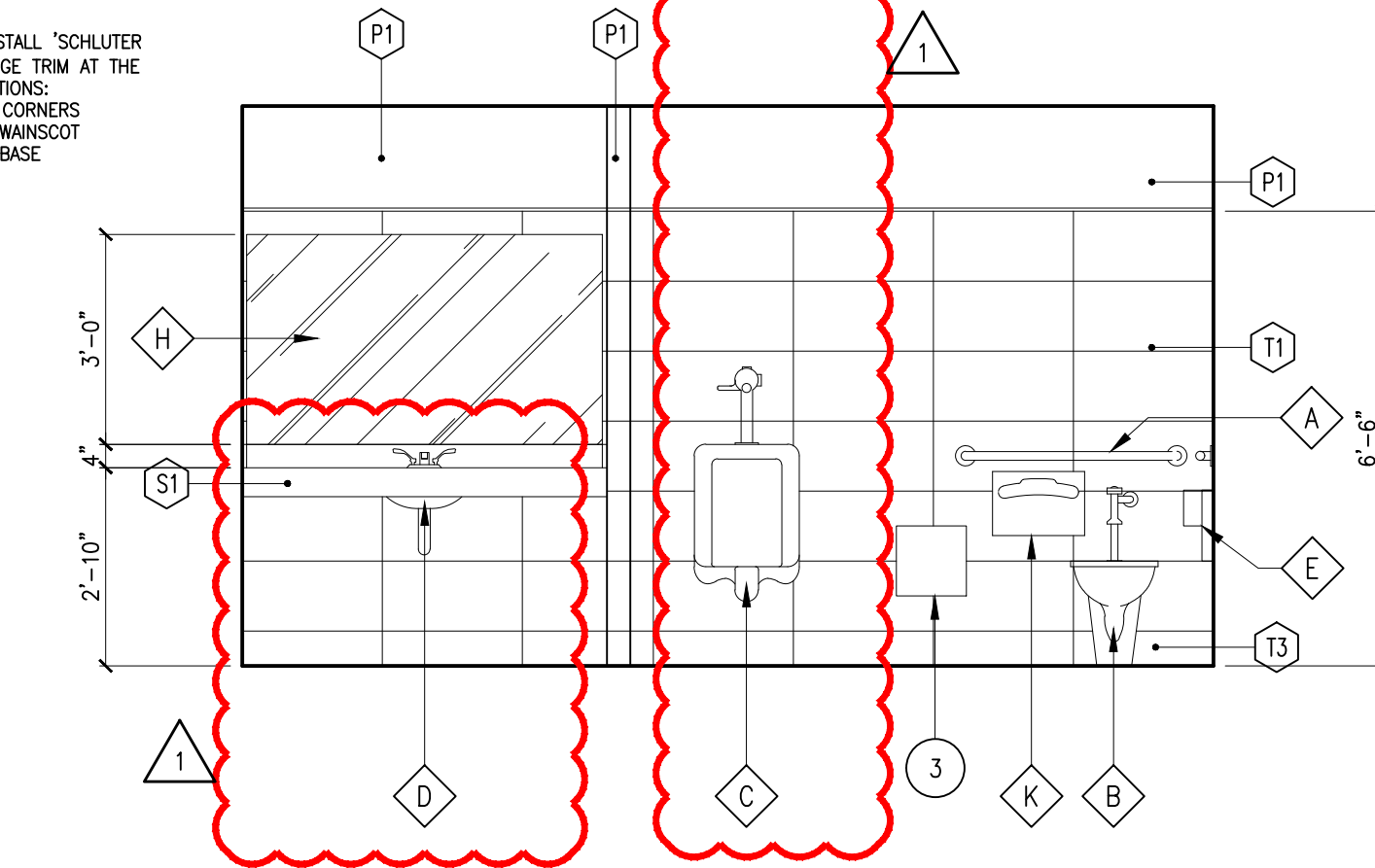
3 LG. SCALE RESTROOM PLAN
SCALE 3/8" = 1'-0"



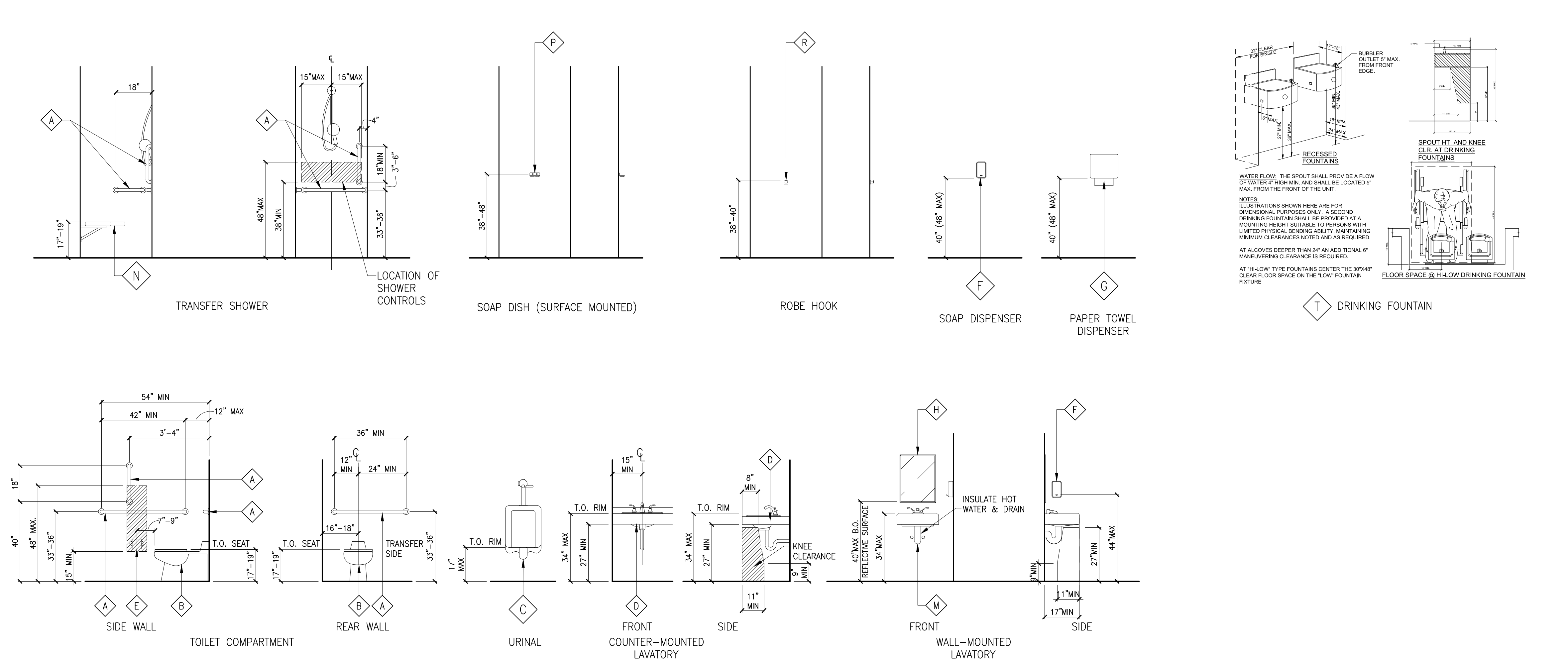
4 RESTROOMS 109, 110 & 206
SCALE 3/8" = 1'-0"



5 RESTROOM 107
SCALE 3/8" = 1'-0"



6 RESTROOM 105
SCALE 3/8" = 1'-0"



8 ACCESSIBLE FIXTURES
SCALE 3/8" = 1'-0"

SHEET NOTES:

- MILLWORK, RE: A6.1
- PHOTOCOPIER, PROVIDED AND INSTALLED BY ITD.
- 12"x12" ACCESS PANEL. COORDINATE LOCATION WITH PLUMBING.

FIXTURES/ACCESSORIES

A	GRAB BAR, RE: SPECS
B	TOILET, RE: PLUMBING
C	URINAL, RE: PLUMBING
D	SINK, RE: PLUMBING
E	TOILET PAPER DISPENSER: EQUAL TO ULINE H-1127 SINGLE ROLL JUMBO BATH TISSUE DISPENSER
F	SOAP DISPENSER: EQUAL TO ULINE H-3415BL
G	PAPER TOWEL DISPENSER: EQUAL TO KIMBERLY-CLARK H-2272 8" HANDS-FREE DISPENSER
H	MIRROR, RE: SPECS
J	ADA-COMPLIANT RESTROOM SIGN. MOUNT SO THAT SIGN IS CENTERED ON DOOR AND 60" ABOVE FLOOR TO CENTER OF SIGN.
K	TOILET SEAT COVER DISPENSER, RE: SPECS
L	NOT USED
M	WALL-MOUNTED LAVATORY, RE: PLUMBING
N	SHOWER SEAT (FOLDING OR NON-FOLDING)
P	SOAP DISH (SURFACE MOUNTED)
R	ROBE HOOK
S	TRANSFER SHOWER
T	DRINKING FOUNTAIN

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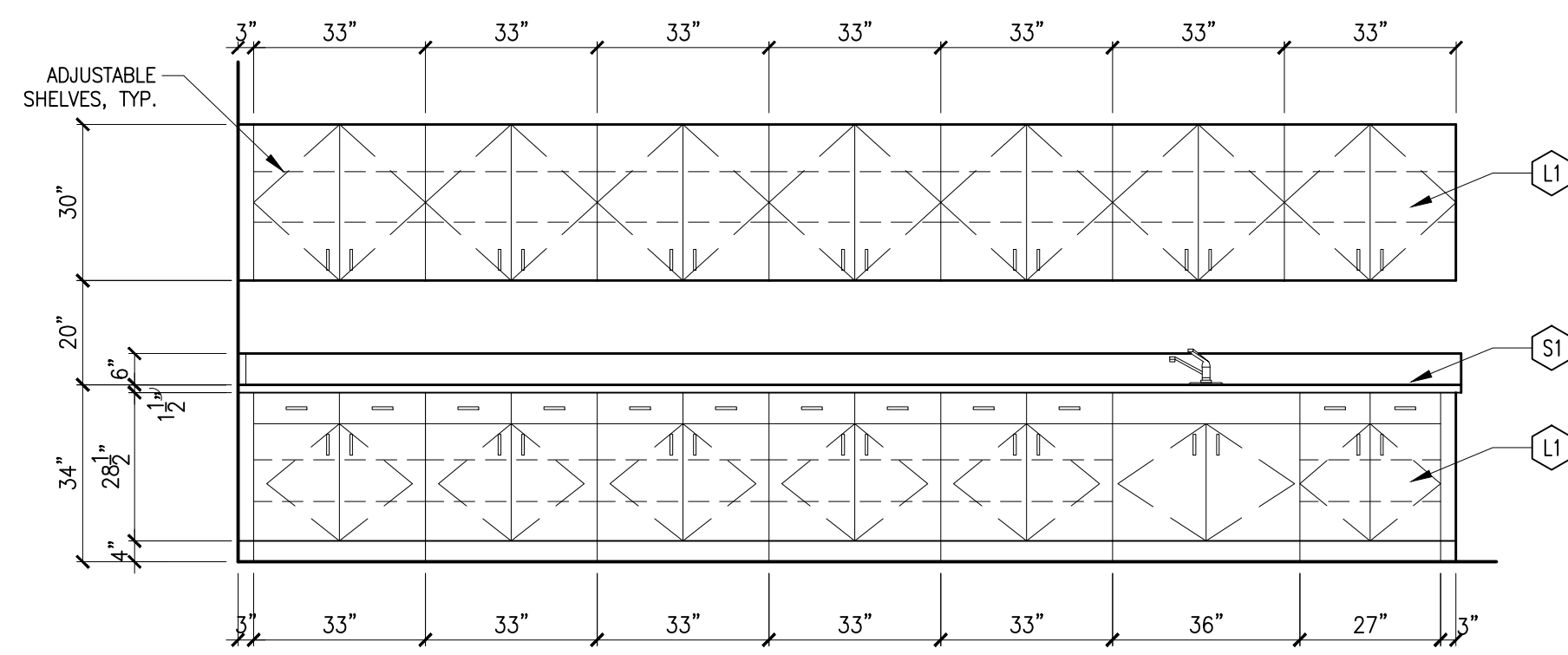
PROJECT: 22123.00 DATE: 1/20/23
DRAWN: LGB CHECKED: JAM
REVISION: 1 2/24/23 ADDENDUM ONE

SHEET TITLE: RESTROOM PLANS
SHEET: A41
ORIGINAL SHEET SIZE: 30" x 42"

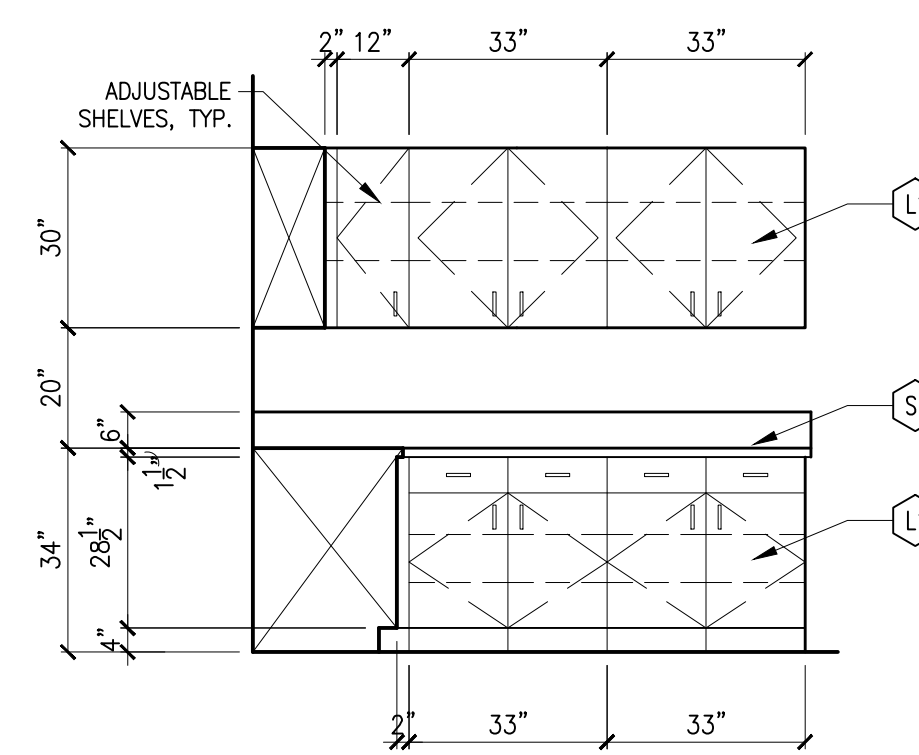
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ORIGINAL DOCUMENT SIGNED BY ARCHITECT: JAMES MARSH ARCHITECT
ORIGINAL DATE SIGNED: FEBRUARY 24, 2023

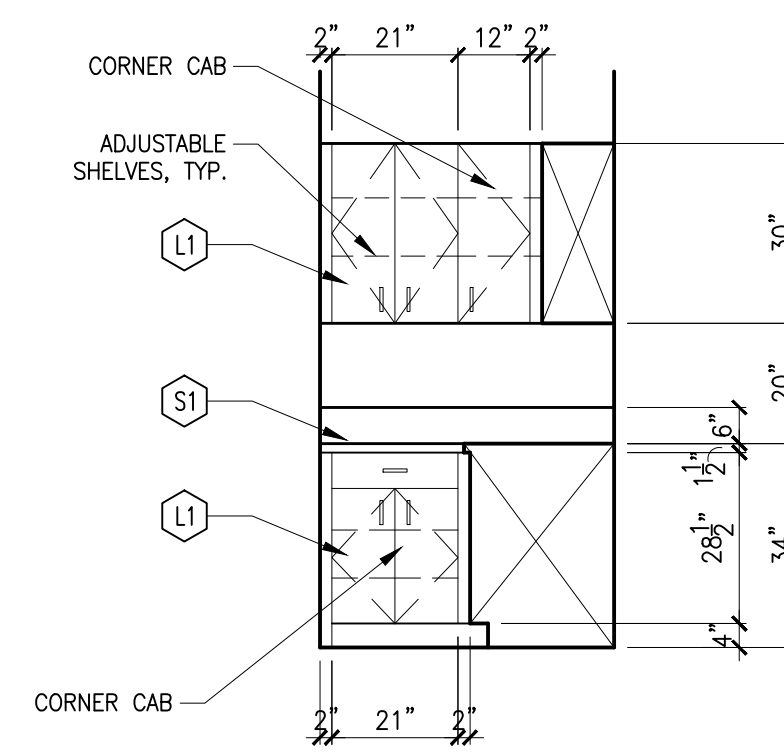
PHOTOCOPIER PROVIDED AND INSTALLED BY ITD.



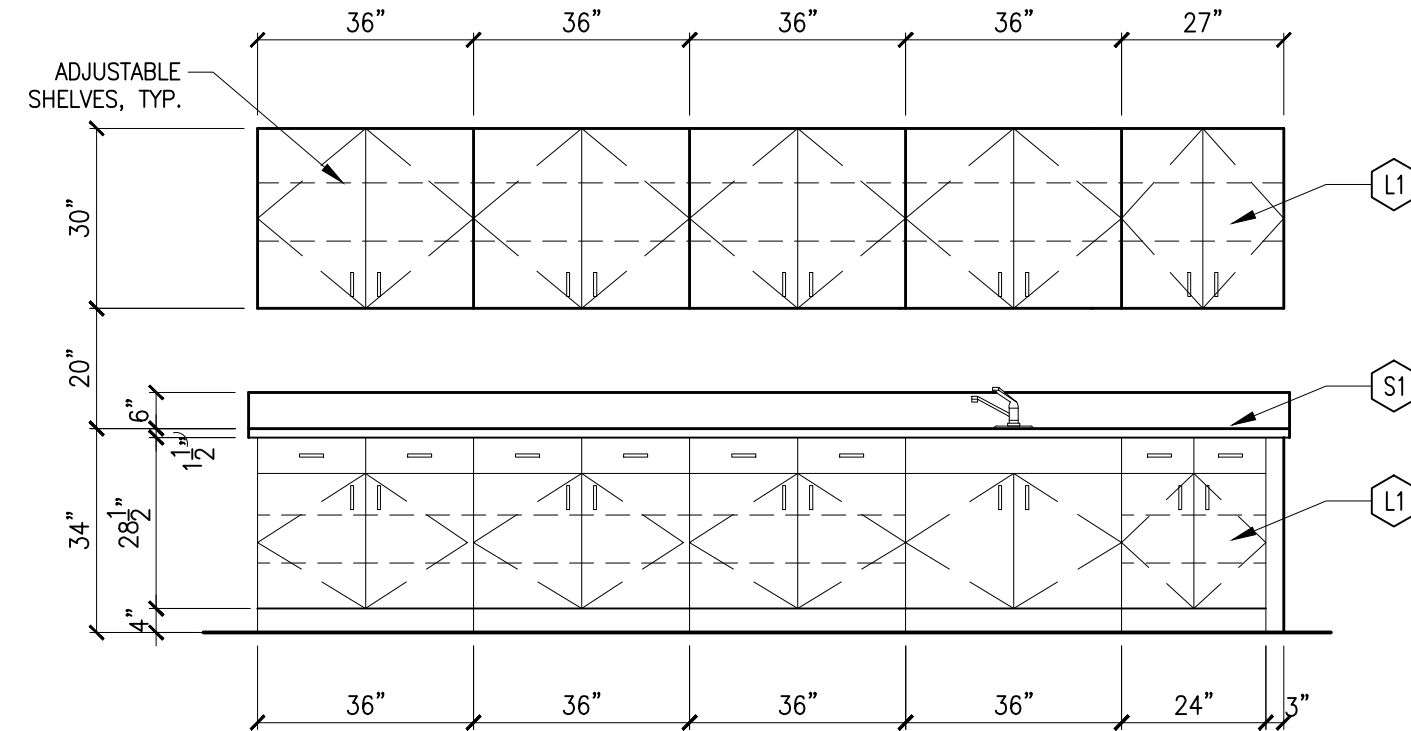
1 BREAK RM. MILLWORK
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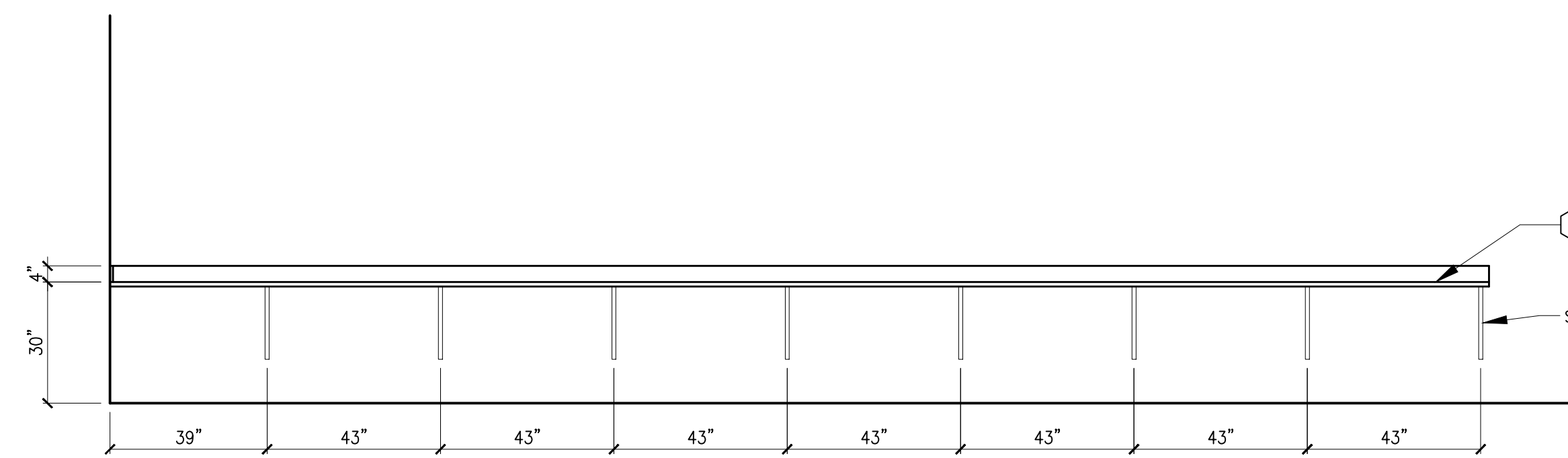
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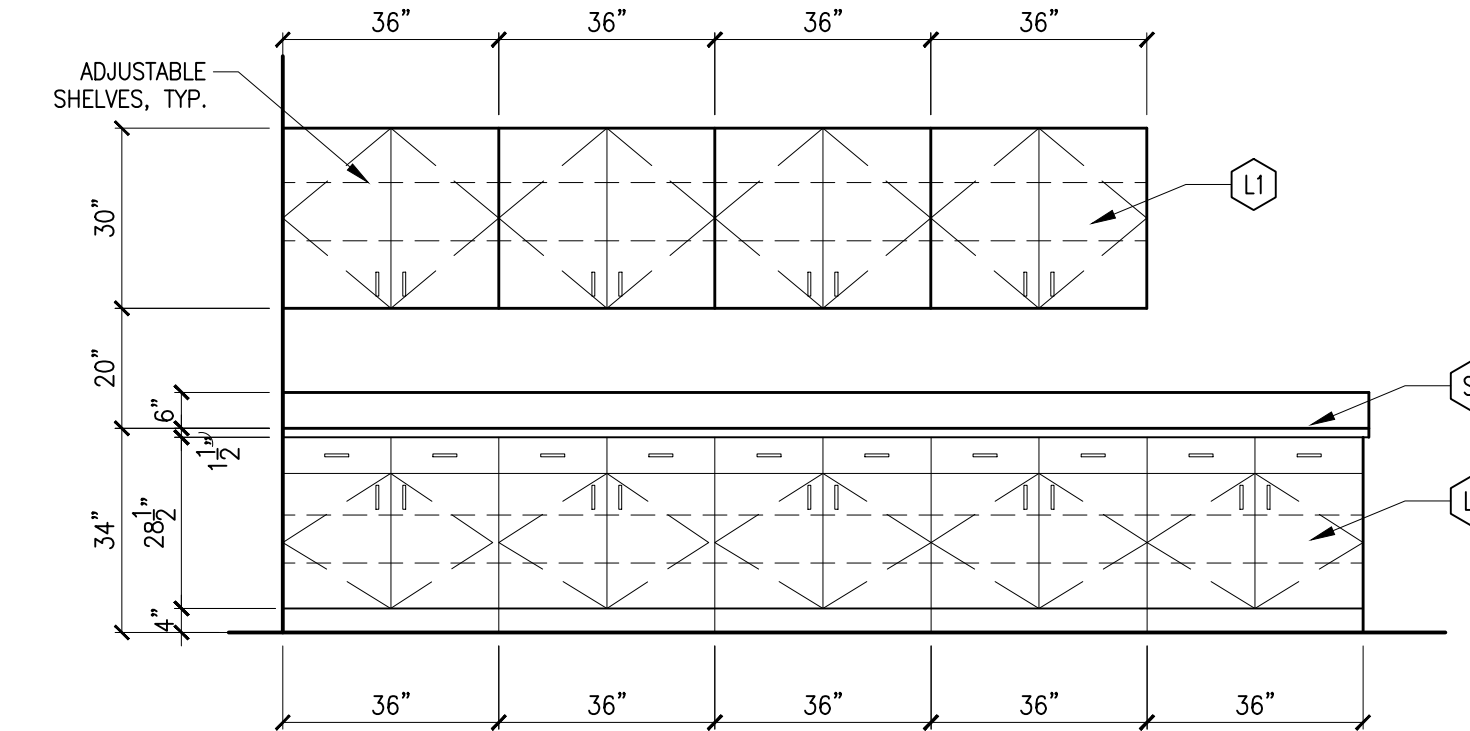
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SCALE 3/8" = 1'-0"



4 BREAK RM. 202 MILLWORK
SCALE 3/8" = 1'-0"

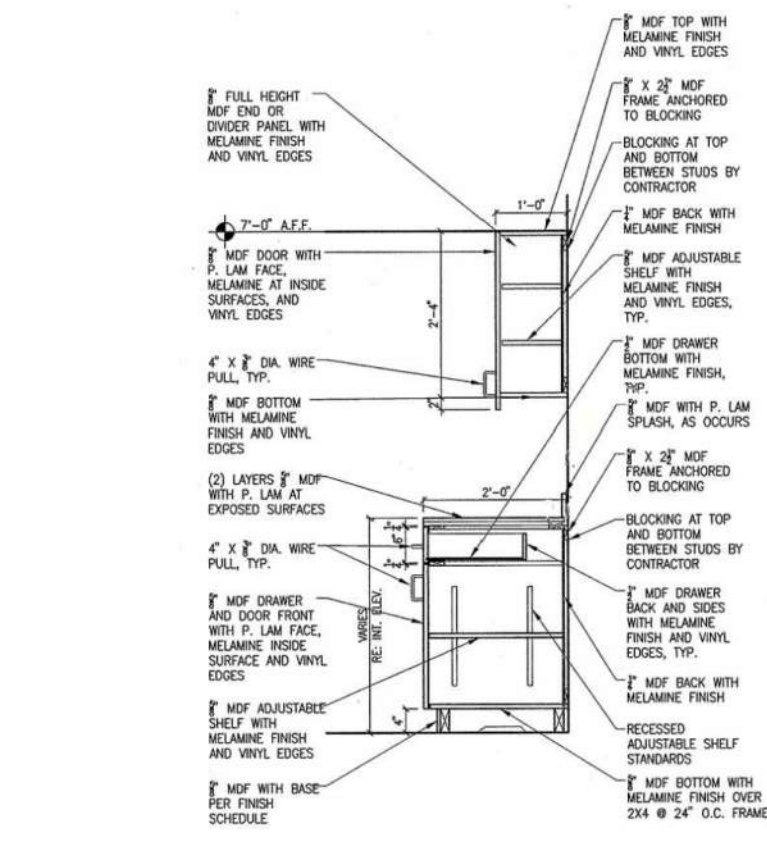


5 WORK COUNTER 201 MILLWORK
SCALE 3/8" = 1'-0"

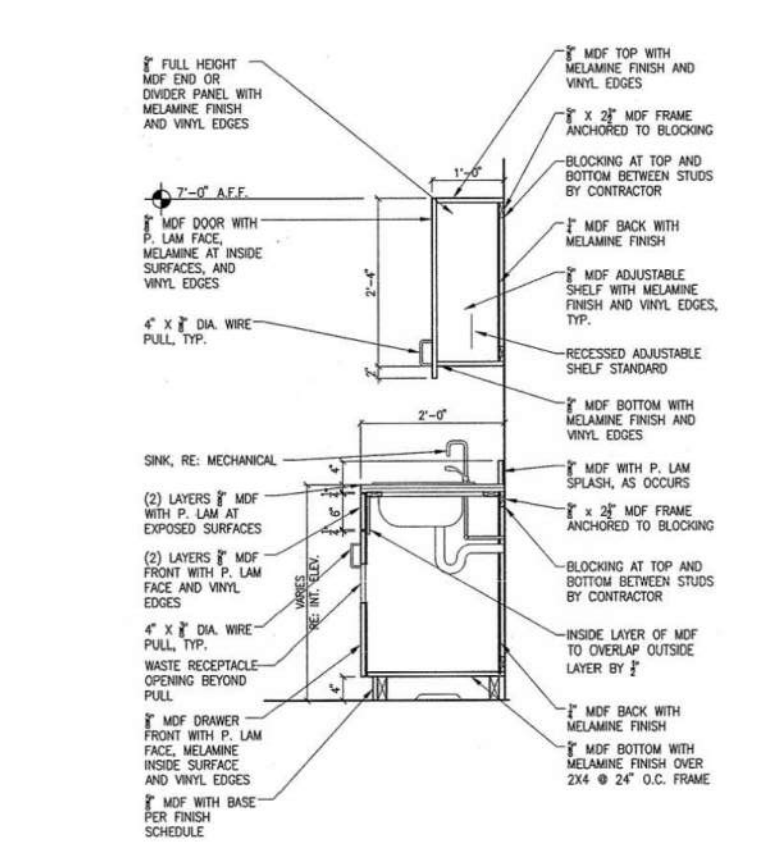


6 WORKSPACE 201 MILLWORK
SCALE 3/8" = 1'-0"

SCHEDULE OF INTERIOR MATERIALS AND FINISHES														
ROOM NO.	ROOM NAME	NORTH		EAST		SOUTH		WEST		FLOOR		CEILING		REMARKS
		MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	BASE	MATERIAL	FINISH	
101	CORRIDOR			(E) GYP	P1	(E) GYP	P1	(E) GYP	P1	(E) GYP	P1	(E) GYP	P1	
102	CONFERENCE	(E) GYP	P1	(E) GYP	P1	(E) GYP	P1	(E) GYP	P1	F1	B1	(E) GYP	P1	
103	OFFICE	(E) GYP	(E)	(E) GYP	(E)	(E) GYP	(E)	(E) GYP	(E)	F1	B1	(E) GYP	(E)	(E) WALL PAINT TO REMAIN AS IS. DO NOT PAINT.
104	BREAK ROOM	GYP	P1	(E) GYP	P1	(E) GYP	P1	(E) GYP	P1	F2	B1	(E) GYP	P1	
105	UNISEX	GYP, T1	P1 @ GYP	GYP, T1	P1 @ GYP	GYP, T1	P1 @ GYP	GYP, T1	P1 @ GYP	T2	T3	(E) GYP	P1	
106	I.T. CLOSET	GYP	P1	GYP	P1	GYP	P1	(E) GYP	P1	F1	B1	(E) GYP	P1	
107	UNISEX	GYP, T1	P1 @ GYP	GYP, T1	P1 @ GYP	GYP, T1	P1 @ GYP	GYP, T1	P1 @ GYP	T2	T3	(E) GYP	P1	
108	COPY AREA	GYP	P1			GYP	P1	GYP	P1	F1	B1	SAT	-	
109	OPEN OFFICE AREA	GYP	P1	GYP	P1	GYP	P1	GYP	P1	F1	B1	SAT	-	
110	UNISEX RESTROOM	GYP, T1	P1 @ GYP	GYP, T1	P1 @ GYP	GYP, T1	P1 @ GYP	GYP, T1	P1 @ GYP	T2	T3	GYP	P1	
111	UNISEX RESTROOM	GYP, T1	P1 @ GYP	GYP, T1	P1 @ GYP	GYP, T1	P1 @ GYP	GYP, T1	P1 @ GYP	T2	T3	GYP	P1	
112	DECONTAMINATION ROOM	GYP, T1	P1 @ GYP	GYP, T1	P1 @ GYP	GYP, T1	P1 @ GYP	GYP, T1	P1 @ GYP	T2	T3	GYP	P1	
113	SHOP SUPPLIES	GYP	P1	GYP	P1	GYP	P1	GYP	P1	CONC	-	SAT	-	
114	FIELD SUPPLIES STORAGE	GYP	P1	GYP	P1	GYP	P1	GYP	P1	CONC	-	SAT	-	
115	OFFICE STORAGE	GYP	P1	GYP	P1	GYP	P1	GYP	P1	CONC	-	SAT	-	
116	SHOP AREA	MPS	(E)MPS	(E)MPS	(E)MPS	(E)MPS	(E)MPS	(E)MPS	(E)MPS	CONC	-	(E)B/IB	-	
117	JANITOR CLOSET	GYP	P1	GYP	P1	GYP	P1	GYP	P1	CONC	-	SAT	-	FRP AT WALLS AROUND MOP SINK TO 48" H.
118	MECHANIC OFFICE	MPS	MPS	GYP	P1	GYP	P1	GYP	P1	CONC	-	IB	-	
119	MECHANIC STORAGE	MPS	GYP	P1	GYP	P1	GYP	P1	GYP	CONC	-	IB	-	
201	WORK AREA	GYP	P1	GYP	P1	GYP	P1	GYP	P1	F1	B1	(E)B	-	
202	BREAK ROOM	GYP	P1	GYP	P1	GYP	P1	GYP	P1	F1	B1	(E)B	-	
203	LOCKERS	GYP	P1	GYP	P1	GYP	P1	GYP	P1	F1	B1	(E)B	-	
204	FOREMAN OFFICE	GYP	P1	GYP	P1	GYP	P1	GYP	P1	F1	B1	(E)B	-	
205	MECHANICAL	GYP	P1	GYP	P1	GYP	P1	GYP	P1	-	-	(E)B	-	
206	JANITOR	GYP	P1	GYP	P1	GYP	P1	GYP	P1	-	-	(E)B	-	FRP AT WALLS AROUND MOP SINK TO 48" H.
207	UNISEX RESTROOM	GYP, T1	P1 @ GYP	GYP, T1	P1 @ GYP	GYP, T1	P1 @ GYP	GYP, T1	P1 @ GYP	T2	T3	GYP	P1	



7 TYP. CAB SECTION
SCALE 3/8" = 1'-0"



8 TYP. CAB @ SINK SECTION
SCALE 3/8" = 1'-0"

MATERIAL	FLOORING	PAINT (FIELD)	TILE
GYP - 5/8" GYPSUM BOARD (WATER RESISTANT GYP. BRD. AT FRAMED RESTROOM WALLS) (E)GYP - EXISTING GYP. BD. CONC - CONCRETE (E)CONC - EXISTING CONCRETE MPS - METAL PANEL SIDING (E)MPS - EXISTING METAL PANEL SIDING SAT - 2'x2' SUSPENDED ACOUSTICAL TILE FRP - FIBERGLASS RESIN PANEL (E)IB - EXISTING INSULATION BOARD	F1 - CARPET TILE MFR: TARKETT STYLE: OFFSET 11338 COLOR: LITHOGRAPHY 30804 SIZE: 18x36 INSTALLATION: MONOLITHIC F2 - LVT MFR: TARKETT STYLE: CONTOUR SERIES STONE PATTERN: MODERN STONE COLOR: COSTA PWS 0616 QU SIZE: 18 X 18 INSTALLATION: MONOLITHIC	P1 (COLOR TO MATCH) MFR: SHERWIN WILLIAMS COLOR: #SW 7647 CRUSHED ICE FINISH: SATIN SOLID SURFACE (COUNTERTOP) S1 - SOLID SURFACE MFR: CORIAN COLOR: GLACIER WHITE THICKNESS: 2 CM. PLASTIC LAMINATE (MILLWORK) L1 - PLASTIC LAMINATE MFR: WILSONART STYLE: FAWN CYPRESS 820BK-16 FINISH: CASUAL RUSTIC EDGE BANDING: MATCH PLASTIC LAMINATE	T1 - RESTROOM WALLS MFR: DALTILE STYLE: VOLUME 1.0 COLOR: ELECTRIC MOSS VL79 SIZE: 12 X 24 INSTALLATION: MONOLITHIC GROUT: MAPEI 1/8" THK.; COLOR: 27 SILVER T2 - RESTROOM FLOORS MFR: DALTILE STYLE: VOLUME 1.0 COLOR: INTENSITY PEBBLE VL72 SIZE: 12 X 24 INSTALLATION: MONOLITHIC GROUT: MAPEI 1/8" THK.; COLOR: 107 IRON T3 - RESTROOM TILE BASE MFR: DALTILE STYLE: VOLUME 1.0 PATTERN: COME BASE COLOR: INTENSITY PEBBLE VL72 SIZE: 6 X 12 INSTALLATION: MONOLITHIC GROUT: MAPEI 1/8" THK.; COLOR: 107 IRON

LICENSED ARCHITECT
JAMES MARSH ARCHITECT
200 BROAD STREET
BOISE, IDAHO 83702
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PROJECT: 22123.00
DATE: 1/20/23
DRAWN: LGB
CHECKED: JAM
REVISION: 1
2/24/23
ADDENDUM ONE

ITD MAINTENANCE BLDG. IMPROVEMENTS
CALDWELL, IDAHO
15430 HIGHWAY 44
CSHQAA

SHEET TITLE:
INT. FINISH SCHEDULE & MILLWORK
SHEET: A61
ORIGINAL SHEET SIZE: 30" x 42"

DOOR SCHEDULE												
DOOR NO.	ROOM	DOOR TYPE	FIRE RATING	DOOR SIZE			FRAME TYPE	DOOR HARDWARE SET	DETAILS (ON SHT. A71)			REMARKS
				WIDTH	HT.	THICKNESS			SILL	HEAD	JAMB	
101	CORRIDOR	(E)										2
102	CONFERENCE	(E)										2
103	OFFICE	(E)										2
104	BREAK	C	-	3'-0"	7'-0"	1-3/4"	B	6	-	9	9	-
105	UNISEX	B	-	3'-0"	7'-0"	1-3/4"	B	5	-	9	9	-
106	L.T. CLOSET	B	-	3'-0"	7'-0"	1-3/4"	B	3	-	9	9	-
107	UNISEX	B	-	3'-0"	7'-0"	1-3/4"	B	5	-	9	9	-
109	OPEN OFFICE	A	-	3'-0"	7'-0"	1-3/4"	B	1	3	4	5	-
110	UNISEX RESTRM.	B	-	3'-0"	7'-0"	1-3/4"	B	5	-	9	9	-
111	UNISEX RESTRM.	B	-	3'-0"	7'-0"	1-3/4"	B	5	-	9	9	-
112	DECON. RM.	B	-	3'-0"	7'-0"	1-3/4"	B	5	-	9	9	-
113	SHOP SUPPLIES	B	-	3'-0"	7'-0"	1-3/4"	B	3	-	9	9	-
114	FIELD SUPPLIES	B	-	3'-0"	7'-0"	1-3/4"	B	3	-	9	9	-
115	OFFICE STORAGE	B	-	3'-0"	7'-0"	1-3/4"	B	3	-	9	9	-
116A	SHOP	(E)										
116B	SHOP	(E)										
116C	SHOP	A	-	3'-0"	7'-0"	1-3/4"	A	1	3	1	2	-
116D	SHOP	(E)										
116E	SHOP	(E)										
116F	SHOP	(E)										
116G	SHOP	(E)										
116H	SHOP	(E)										
116J	SHOP	(E)										
117	JANITOR CLOSET	A	-	3'-0"	7'-0"	1-3/4"	B	3	-	9	9	-
118	MECH. OFFICE	C	-	3'-0"	7'-0"	1-3/4"	B	3	-	9	9	-
119	MECH. STORAGE	B	-	3'-0"	7'-0"	1-3/4"	B	3	-	9	9	-
202A	BREAK	(E)										1, 2
202B	BREAK	(E)										1, 2
202C	BREAK	(E)										2
204	OFFICE	B	-	3'-0"	7'-0"	1-3/4"	B	2	-	9	9	-
205	MECH.	B	-	3'-0"	7'-0"	1-3/4"	B	3	-	9	9	-
206	JANITOR	B	-	3'-0"	7'-0"	1-3/4"	B	3	-	9	9	-
207	UNISEX RESTRM.	B	-	3'-0"	7'-0"	1-3/4"	B	5	-	9	9	-

REMARKS:
 1. INSTALL SMOKE SEALS AND DOOR BOTTOM SEAL ON EXISTING DOOR AND FRAME. OPENING MUST BE SEALED TO PREVENT ANY EXHAUST FUMES FROM ENTERING OFFICE AREA FROM SHOP AREA.
 2. PAINT. PROVIDE NEW HARDWARE TO MATCH NEW DOORS.

DOOR HARDWARE	
HARDWARE SET NO. 1 (EXTERIOR)	3 EA HINGES 1 EA RIM EXIT DEVICE 1 EA CORE 1 EA RIM CYLINDER 1 EA CLOSER 1 EA THRESHOLD 1 EA WEATHERSTRIP 1 EA SWEEP
HARDWARE SET NO. 2 (OFFICE)	3 EA HINGES 1 EA ENTRY/OFFICE LOCKSET 1 EA CORE 1 EA CLOSER 1 EA WALL STOP 3 EA SILENCERS
HARDWARE SET NO. 3 (STORAGE)	3 EA HINGES 1 EA STOREROOM LOCKSET 1 EA CORE 3 EA SILENCERS
HARDWARE SET NO. 4 (MULTI OCCUP. RESTROOMS)	3 EA HINGES 1 EA DOOR PULL 1 EA DOOR PUSH 1 EA CLOSER 1 EA WALL STOP 3 EA SILENCERS
HARDWARE SET NO. 5 (SINGLE OCCUP. RESTROOMS)	3 EA HINGES 1 EA PRIVACY LOCKSET 1 EA CLOSER 3 EA SILENCERS
HARDWARE SET NO. 6 (BREAKROOM)	3 EA HINGES 1 EA DOOR PULL 1 EA DOOR PUSH 1 EA CLOSER 1 EA WALL STOP 3 EA SILENCERS

GLAZING LEGEND / NOTES	
1.	THE SYMBOL T REPRESENTS TEMPERED GLAZING.
2.	THE SYMBOL IG REPRESENTS 1" INSULATED GLAZING WITH U VALUE OF 0.35 AND SHGC OF 0.8 UNLESS OTHERWISE NOTED.

DOOR NOTES	
A.	ALL NEW WOOD DOORS TO BE FINISHED WITH CLEAR STAIN/SEALER.
B.	ALL NEW METAL DOORS AND FRAMES TO BE PAINTED.

LICENSED ARCHITECT
 JAMES A. MARSH
 ORIGINAL DATE SIGNED: FEBRUARY 24, 2023
 STATE OF IDAHO

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ITD MAINTENANCE BLDG. IMPROVEMENTS
 15430 HIGHWAY 44
 CALDWELL, IDAHO

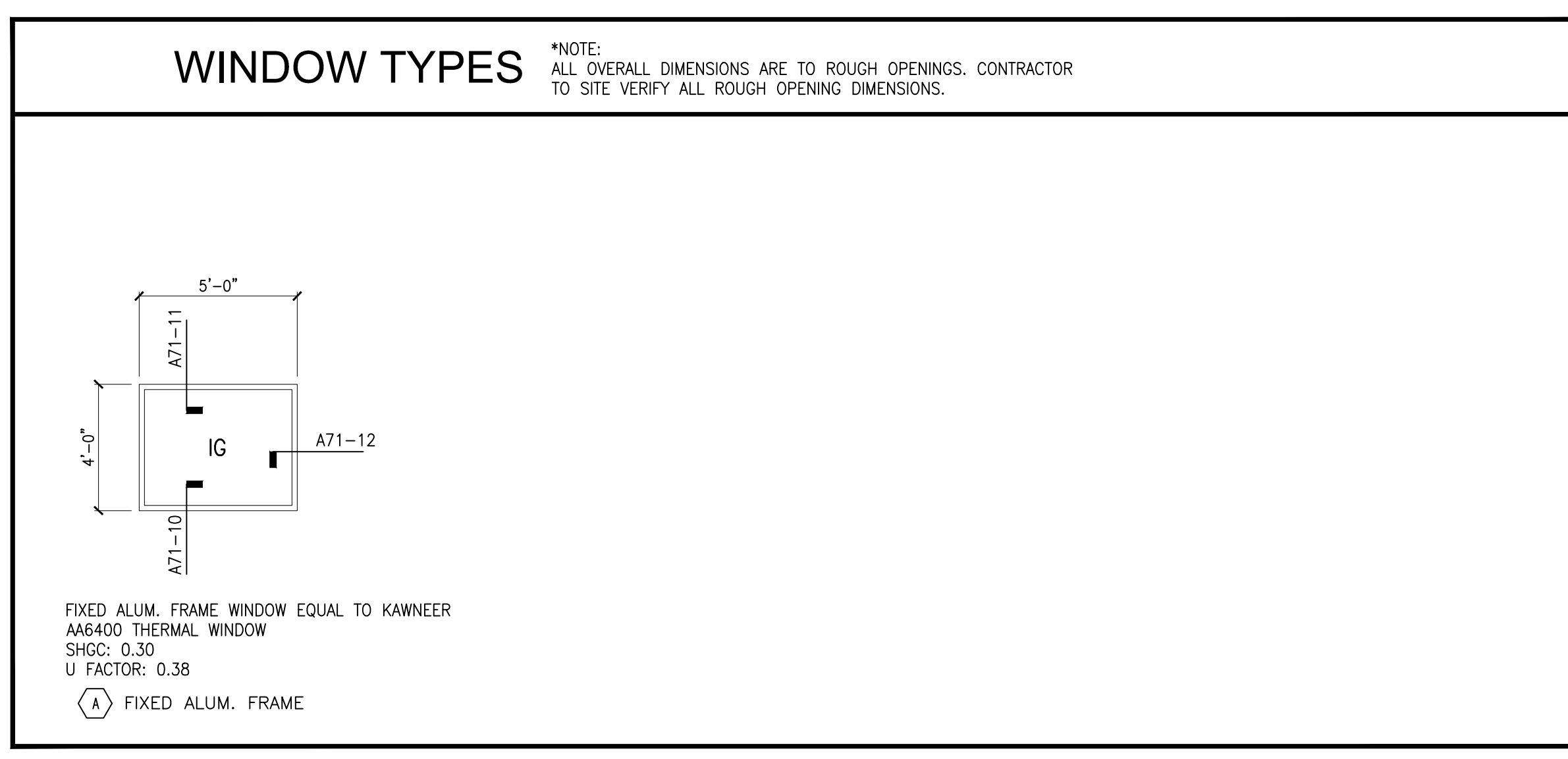
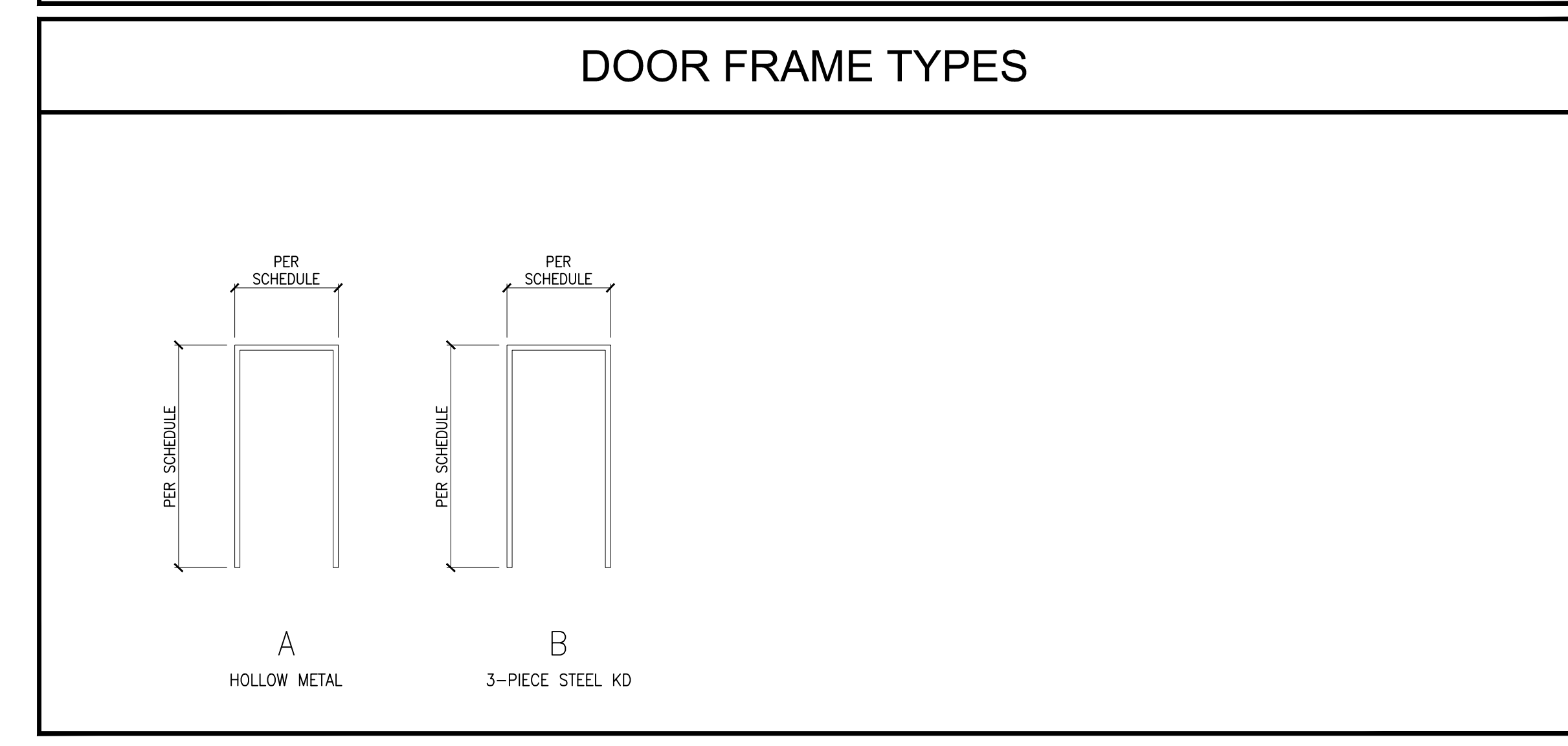
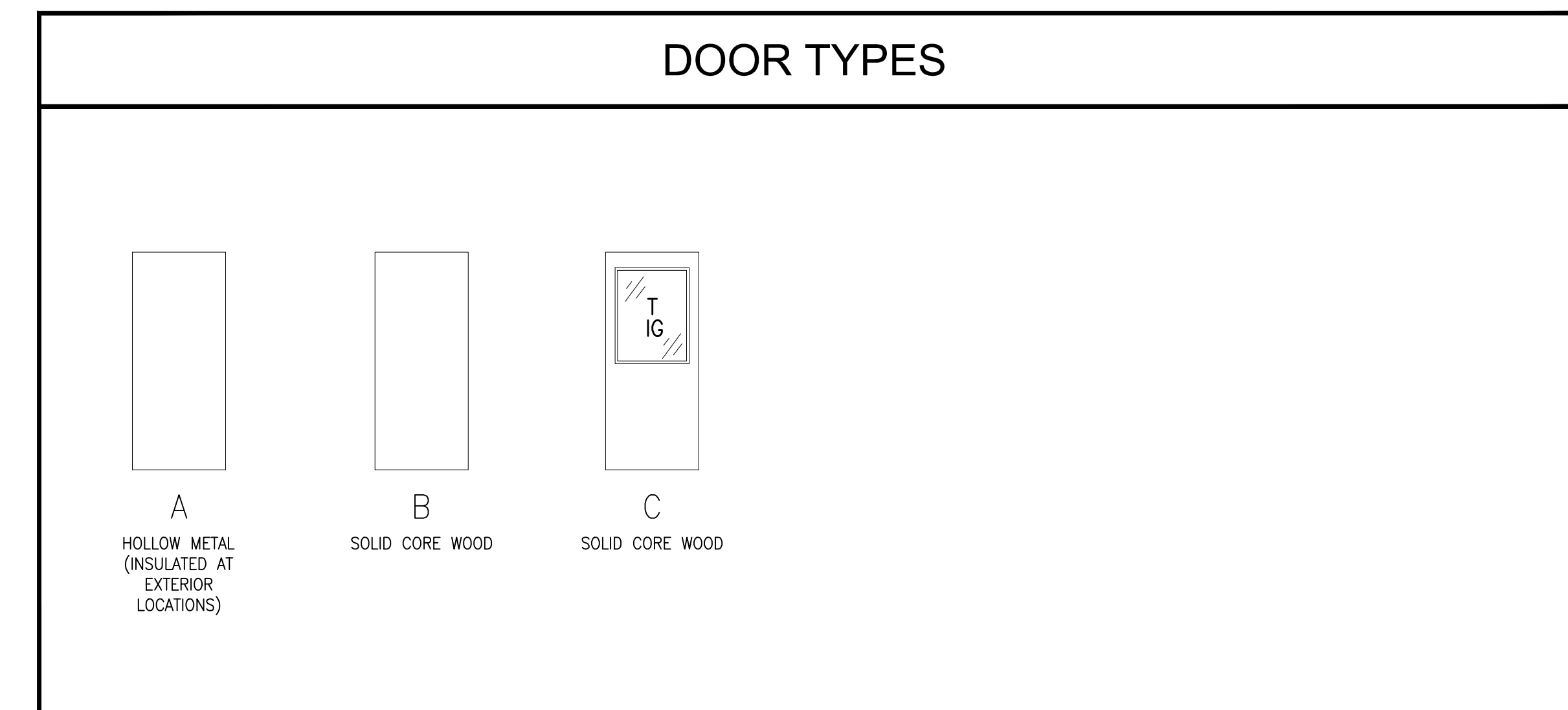
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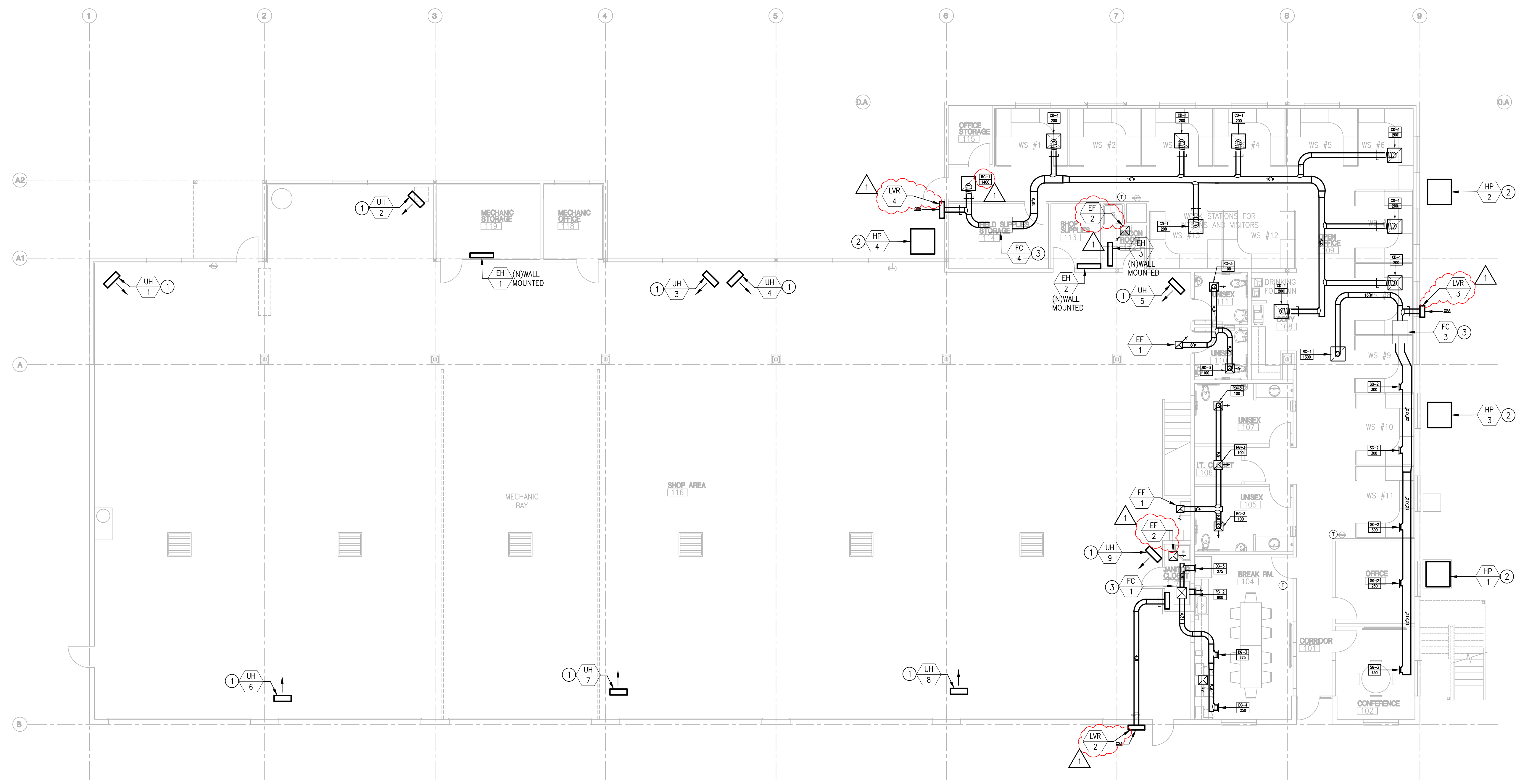
PROJECT	22123.00	DATE	1/20/23
DRAWN	LGB	CHECKED	JAM
REVISED	1	2/24/23	ADDENDUM ONE

SHEET TITLE
DOOR & WINDOW SCHEDULES

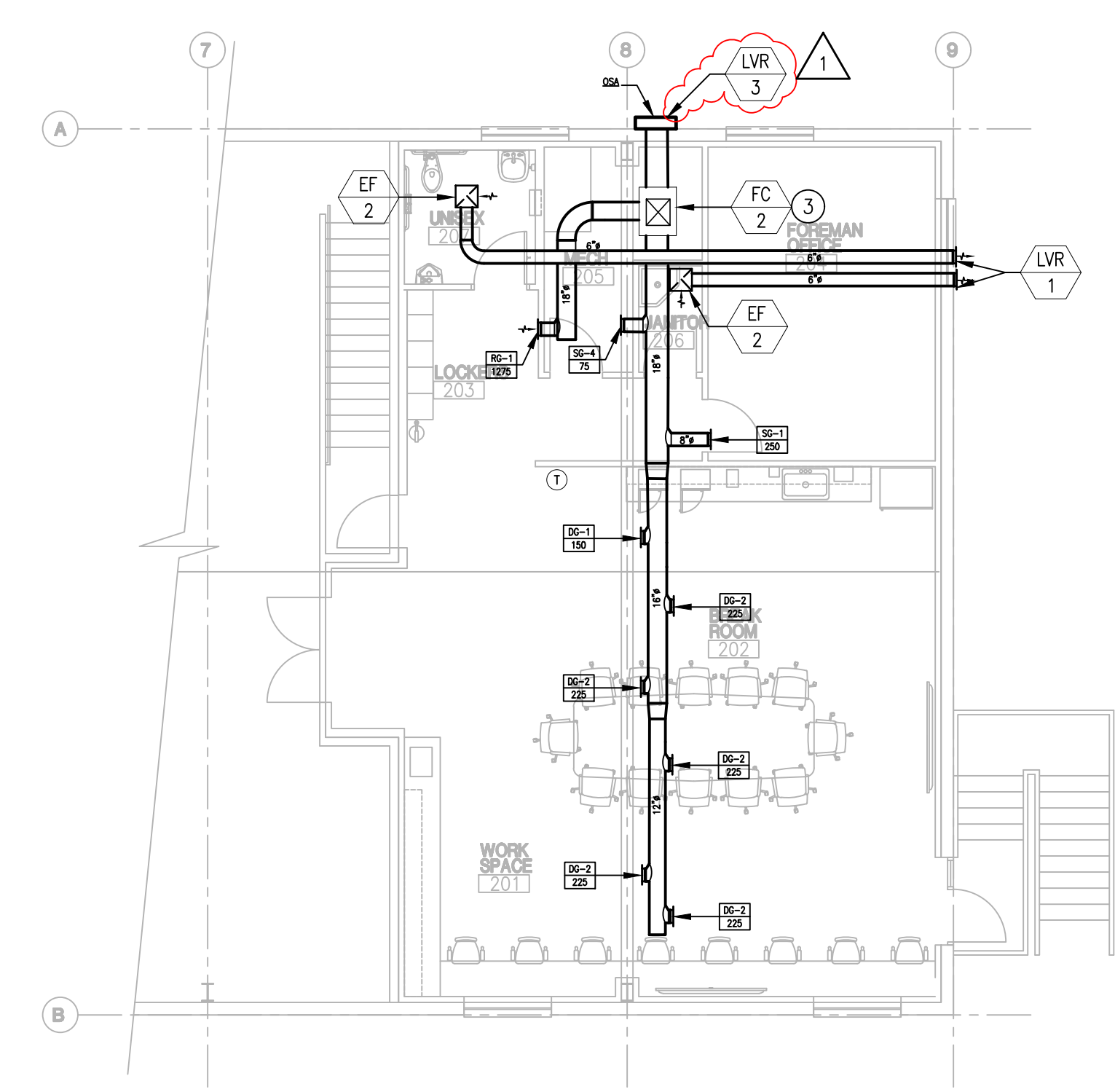
SHEET
A81

ORIGINAL SHEET SIZE
 30" x 42"





1 FIRST FLOOR HVAC PLAN
SCALE: 1/8" = 1'-0"



2 MEZZANINE HVAC PLAN
SCALE: 1/8" = 1'-0"

GENERAL NOTES:

- A. FOR LOW PRESSURE DUCTWORK, WHERE RECTANGULAR DUCT IS INDICATED ON PLANS, EQUIVALENT SIZE ROUND DUCT MAY BE USED. EQUIVALENT SIZE RECTANGULAR DUCT MAY BE USED IN PLACE OF ROUND DUCT, EXCEPT IN EXPOSED AREAS. EQUIVALENT RECTANGULAR SIZE MAY NOT BE USED ON DUCTS EXPOSED TO VIEW OR AS INDICATED OTHERWISE.
- B. CONTRACTOR SHALL PROVIDE ALL NECESSARY TRANSITIONS TO AVOID CONFLICT WITH OTHER DUCTWORK, PIPING, STRUCTURE, ETC. AS PART OF THIS CONTRACT. WHEREVER AVAILABLE SPACE ALLOWS, OFFSETS SHALL BE MADE WITH 45 DEGREE ELBOWS WITH TURNING VANES.
- C. DUCTWORK SIZES NOTED ON DRAWINGS ARE FREE AREA SIZES. HVAC CONTRACTOR SHALL BE RESPONSIBLE TO COMPENSATE FOR INSULATION, ETC.
- D. ALL SQUARE SUPPLY DIFFUSERS SHALL BE 4-WAY THROW UNLESS INDICATED OTHERWISE ON PLAN.
- E. ALL ELBOWS ARE STANDARD RADIUS (R=3W/2) UNLESS NOTED OTHERWISE. DO NOT SUBSTITUTE MITERED ELBOWS FOR RADIUS ELBOWS UNLESS APPROVED IN WRITING BY THE ENGINEER OF RECORD.
- F. PROVIDE ACCESS DOORS IN DUCTWORK FOR RESETTING OF FIRE/SMOKE DAMPERS WHERE INDICATED AND AS REQUIRED BY SPECIFICATIONS OR CODE.
- G. FIRE DAMPERS SHALL BE 1-1/2 HOUR RATED UNLESS OTHERWISE NOTED. RE: DIVISION 23 SECTION "AIR DUCT ACCESSORIES" FOR SPECIFICATIONS.
- H. ALL WIRING, PIPING, AND EQUIPMENT INSTALLED IN PLENUMS SHALL BE PLENUM RATED OR INSTALLED IN CONDUIT.
- I. THERMOSTATS, TEMPERATURE SENSORS, AND CO2 SENSORS SHALL BE INSTALLED AT 48" AFF UNLESS NOTED OTHERWISE. COORDINATE JUNCTION BOX INSTALLATION WITH ELECTRICAL CONTRACTOR.
- J. PIPING PENETRATIONS THROUGH RATED ASSEMBLIES SHALL BE FIRESTOPPED IN ACCORDANCE WITH 2015 IBC SECTION 713.
- K. OUTSIDE AIR INTAKES SHALL BE INSTALLED WITH A MINIMUM SEPARATION OF 10'-0" FROM ALL EXHAUST AIR DISCHARGE, GAS FLUES, AND PLUMBING VENTS.
- L. MATERIALS UTILIZED WITHIN RETURN PLENUMS SHALL HAVE A FLAME-SPREAD INDEX OF NOT MORE THAN 25, AND A SMOKE DEVELOPED INDEX OF NOT MORE THAN 50.
- M. ALL EXPOSED DUCTWORK SHALL BE PAINTED PER ARCHITECTURAL CEILING PLANS. COORDINATE WITH CONSTRUCTION MANAGER.

SHEET NOTES:

- 1. MOUNT PROPANE FIRED HEATER FROM WALL AT 9'-0" AFF. UNIT TO MAINTAIN A MINIMUM OF 50° TEMPERATURE IN SPACE.
- 2. FURNISH WITH 18" TALL CONDENSER STAND SECURE TO ROOF. VERIFY ALL MANUFACTURER RECOMMENDED UNIT CLEARANCES FOR PERFORMANCE AND MAINTENANCE ARE MET PRIOR TO INSTALL.
- 3. MOUNT FAN COIL UNIT TO THE CEILING. COORDINATE WITH ARCHITECTURAL AND STRUCTURAL PLANS FOR FINAL LOCATION. PROVIDE 24 VOLT INTERFACE KIT AS REQUIRED FOR CONNECTION TO WIRED 7-DAY PROGRAMMABLE THERMOSTAT.

LEGEND:

(RE: M01 FOR ADDITIONAL INFORMATION)

SUPPLY DIFFUSER	SUPPLY DUCT THRU ROOF OR FLOOR
RETURN GRILLE	RETURN DUCT THRU ROOF OR FLOOR
EXHAUST GRILLE	EXHAUST DUCT THRU ROOF OR FLOOR
SIDEWALL OR DOOR GRILLE	OUTSIDE AIR DUCT THRU ROOF OR FLOOR
FIRE DAMPER	ROUND DUCT/FLUE THRU ROOF OR FLOOR
SMOKE DETECTOR	THERMOSTAT (ROOM OR UNIT#)
OPPOSED BLADE DAMPER (ROOM OR UNIT#)	WALL-MOUNT TEMPERATURE SENSOR (ROOM OR UNIT#)
PARALLEL BLADE DAMPER (ROOM OR UNIT#)	SWITCH (ROOM OR UNIT#)
FLEX DUCT	EQUIPMENT CALLOUT (STANDARD)
BALANCE DAMPER	SHEET NOTES
CONNECT NEW TO EXISTING SHADED SIDE IS NEW WORK	



Digitally signed by Joseph Huff
Date: 2023.02.24 15:28:07
Contact: joseph.huff@csghoa.com

ORIGINAL DOCUMENTS ARE HELD AT
CSG&A, INC. OFFICE, 200 W BROAD STREET,
BOISE, ID 83702

JOSEPH HUFF, P.E.
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I AM AN ENGINEER AND I AM RESPONSIBLE FOR THE DESIGN OF THE PROJECT AND I AM NOT PROVIDING ANY GUARANTEE OR WARRANTY FOR THE PROJECT. I AM NOT PROVIDING ANY GUARANTEE OR WARRANTY FOR THE PROJECT. I AM NOT PROVIDING ANY GUARANTEE OR WARRANTY FOR THE PROJECT.

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95% CD
OWNER REVIEW

PROJECT 22123.00	DATE 1/20/23
DRAWN LO	CHECKED JH

REVISED
2/24/2023
ADDENDUM ONE

SHEET TITLE
HVAC PLAN

SHEET
M21

ORIGINAL SHEET SIZE
30" x 42"

DUCT INSULATION SCHEDULE

PLENUM OR DUCTWORK TYPE	INSULATION TYPE	LOCATION		INSULATION		JACKET
		INDOOR	OUTDOOR	DENSITY (PCF)	THICKNESS (INCHES)	
Rectangular Supply, Outside Air Ductwork, and Return Ductwork in Mechanical Rooms, All Exposed Areas and Duct Shafts	Rigid Mineral Fiber Board	X		3	1.5	All-Service
			X	6	2	+
Rectangular Supply, Outside Air Ductwork, and Return Ductwork in Concealed Areas	Rigid Mineral Fiber Board	X		3	1.5	All-Service
			X	6	2	+
OR						
Outside Air Intake, Relief and Exhaust Plenums	Mineral Fiber Wrap	X		0.75	2.25	All-Service
			X	0.75	2.25	+
Louver Blank-Off Panels	Rigid Mineral Fiber Board	X		6	2	All-Service +
			X	6	2	Galvanized Sheet Metal (Two Sides)
Round and Flat-Oval Supply, Outside Air Ductwork, and Return Ductwork in Mechanical Rooms	Mineral Fiber Wrap	X		0.75	2.25	All-Service +
			X	0.75	2.25	
Emergency or Standby Power Generator Air Intake/Plenum, Intake Ductwork and Intake Attenuator	Rigid Mineral Fiber Board	X		6	1.5	All-Purpose Jacket with Vapor Barrier
Ductwork Requiring Noise Transmission Control (as indicated on the Drawings)	Rigid Mineral Fiber Board	X		6	2	Noise Barrier Jacket

* = For rectangular ducts and plenums exposed to weather, pitch ductwork or insulation board minimum 1/4 inch per foot to prevent rainwater from accumulating on top of duct or plenum. Additionally apply a 1/16-inch coat of mastic to the insulation board. Embed one layer of open mesh fiberglass or polyester reinforcing cloth into the mastic, apply 1/8-inch final coat of mastic covering the cloth completely. As an alternate, cover insulation board with corrugated rolled aluminum jacketing installed in strict accordance with manufacturer's recommendations.
 ** = Use double-layer application of two 2 inch thick panels to ensure overlapping of all seams and joints to minimize heat loss and hot spots.
 INSULATION SPECIFICATION:
Rigid and Semi Rigid Mineral Fiber Board (w/ vapor barrier): ASTM C 612, k = 0.23 Btu-in/h-ft2 at 75°F
Mineral Fiber Wrap (w/ vapor barrier): ASTM C 533, k = 0.27 Btu-in/h-ft2 at 75°F
Calcium Silicate: ASTM C 533, k = 0.38 Btu-in/h-ft2 at 100°F
Ceramic Fiber Blanket: k = 0.27 Btu-in/h-ft2 with a melting point of 3200°F and a 3-hour fire rating for 5-inch thickness when tested in accordance with ASTM E119
Thermal Insulating Wool: k = 0.22 Btu-in/h-ft2 at 100°F
Flexible Cellular: ASTM C 534, k = 0.27 Btu-in/h-ft2 at 75°F

ELECTRIC UNIT HEATER SCHEDULE

MARK	BASIS OF DESIGN		OPERATING WEIGHT LBS	AREA AND/OR BLDG SERVED	MOUNTING	TYPE	AIR FLOW CFM	HEAT INPUT		HEATER POWER		MIN CAPACITY BTUH	POWER				REMARKS
	MANUFACTURER	MODEL NUMBER						KW	PHASE	VOLT	AMP		FAN HP	PHASE	VOLT		
EH-1	MARKEL	CWH1101DS	10	MECHANIC STORAGE 119	WALL	ELEC. FORCED AIR	65	1	-	-	3413	8.4	-	1	120	1-3	
EH-2	MARKEL	CWH1101DS	10	SHOP SUPPLIES 113	WALL	ELEC. FORCED AIR	65	1	-	-	3413	8.4	-	1	120	1-3	
EH-3	MARKEL	CWH1101DS	10	DECON ROOM 112	WALL	ELEC. FORCED AIR	65	1	-	-	3413	8.4	-	1	120	1-3	

REMARKS
 1. FURNISH WITH LOW-VOLTAGE THERMOSTAT.
 2. FURNISH WITH 2V TRANSFORMER
 3. FURNISH WITH WALL MOUNTING KIT

FUEL FIRED UNIT HEATER SCHEDULE

MARK	BASIS OF DESIGN			LOCATION	AREA AND/OR BLDG SERVED	FUEL	AIR FLOW CFM	EAT °F	HEATING (SCHEDULED VALUES HAVE BEEN DERATED FOR ALTITUDE, 2441 FT)				ELECTRICAL					REMARKS
	MANUFACTURER	MODEL NUMBER	OPERATING WEIGHT LBS						INPUT CAPACITY MBH	OUTPUT CAPACITY MBH	EFF. %	TEMP. RISE °F	HP	VOLT	PHASE	FLA	MOCPP	
UH-1-9	REZNOR	UDAP	96	-	SHOP AREA 116	PROPANE	1345	-	105	87.2	83	80	0.25	115	1	3.9	15	1, 2, 3, 4

REMARKS
 1. FURNISH WITH SINGLE-VOLTAGE THERMOSTAT.
 2. FURNISH WITH CEILING SUSPENSION KIT.
 3. FURNISH WITH GAS CONVERSION KIT (NATURAL AND PROPANE)
 4. FURNISH WITH TWO STAGE PROPANE GAS VALVE

FAN SCHEDULE

MARK	BASIS OF DESIGN				LOCATION	AREA AND/OR BLDG SERVED	SYSTEM AND/OR SERVICE	AIR FLOW CFM	ESP IN	FAN			MOTOR ELECTRICAL								REMARKS
	MANUFACTURER	QUANTITY	MODEL NUMBER	OPERATING WEIGHT LBS						TYPE	DRIVE	FAN MAX RPM	NOMINAL POWER		PHASE	VOLT	RPM	SPEED CONTROL	DAMPER TYPE	CONTROL SEQUENCE	
EF-1	GREENHECK	2	G-070-VG	20	ROOF	TOILET EXHAUST	RESTROOM EXHAUST	300	.25	CENTRIFUGAL	DIRECT	1669	.03	1/15	1	115	-	-	BACK DRAFT	TIMECLOCK	1-5
EF-2	GREENHECK	4	SP-A90	12	CEILING	TOILET/ROOM EXHAUST	RESTROOM / JANITOR EXHAUST	75	.25	CENTRIFUGAL	DIRECT	900	-	14	1	115	-	-	BACK DRAFT	TIMECLOCK	1-5

REMARKS
 1. PREFAB ROOF CURB SLOPED TO MATCH ROOF. REFER TO ARCHITECTURAL DRAWINGS.
 2. WEATHER PROOF DISCONNECT SWITCH.
 3. BIRDSCREEN
 4. FURNISH WITH GRAVITY BACK DRAFT DAMPER
 5. TIMECLOCK FAN WITH LIGHTING CONTROLS TO MATCH BUILDING OCCUPIED HOURS. COORDINATE WITH ELECTRICAL CONTRACTOR.

WALL LOUVER SCHEDULE

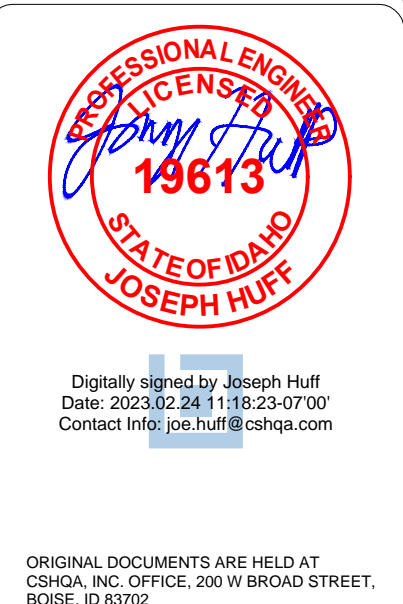
MARK	BASIS OF DESIGN			LOCATION	SYSTEM AND/OR SERVICE	TYPE	APPLICATION	WIDTH	HEIGHT	FRAME DEPTH	FREE AREA	AIR FLOW	MAX VELOCITY	APD	DAMPER TYPE	REMARKS
	MANUFACTURER	MODEL NUMBER	IN					IN	IN	FT²	CFM	PPM	IN			
LVR-1	GREENHECK	ESD-202	MEZZANINE	EXHAUST	DRAINABLE	EXHAUST	8	8	2	0.09	75	851	0.09	N/A	1	
LVR-2	GREENHECK	ESD-202	LEVEL 1	VENTILATION	DRAINABLE	AIR INTAKE	12	12	2	0.22	88	360	0.02	N/A	1	
LVR-3	GREENHECK	ESD-202	LEVEL 1, MEZZ	VENTILATION	DRAINABLE	AIR INTAKE	16	16	2	0.51	330	630	0.05	N/A	1	
LVR-4	GREENHECK	ESD-202	LEVEL 1	VENTILATION	DRAINABLE	AIR INTAKE	14	14	2	0.33	200	575	0.04	N/A	1	

REMARKS
 1. EXTRUDED ALUMINUM LOUVER PROVIDED WITH DRAIN GUTTERS, EXTENDED SILL, 1/4" GALV. BIRD SCREEN.

SPLIT SYSTEM HEAT PUMP SCHEDULE

MARK	BASIS OF DESIGN				FCU LOCATION	CONDENSING UNIT LOCATION	AREA AND/OR BLDG SERVED	SUPPLY AIR FLOW CFM	MIN. OUTSIDE AIR FLOW CFM	EXT. STATIC PRESSURE IN	MIN TOTAL CAPACITY MBH	COOLING CAPACITY			HEATING CAPACITY			ELECTRICAL DATA								REMARKS		
	MANUFACTURER	FAN COIL MODEL NUMBER	CONDENSING UNIT MODEL NUMBER	OPERATING WEIGHT LBS								MIN SEER	EAT		OSA DESIGN TEMP	MIN. HEAT CAPACITY	EAT DB	LAT DB	OSA DESIGN TEMP	INDOOR FAN		OUTDOOR UNIT FAN		MCA	MOCPP		PHASE	VOLT
FC-1	TRANE	TPVA0A024	-	141	JANITOR 117	-	OFFICE	800	88	0.8	24	19	77	61	96	26.00	58	94	2	3.3	THERMOSTAT	-	-	-	-	-	-	1-7
HP-1	TRANE	-	TRUZH024	190	-	OUTSIDE	-	-	-	-	-	-	-	-	96	-	-	-	2	-	-	74	INDOOR	17	27	1	208	1-7
FC-2	TRANE	TPVA0A042	-	172	MECHANICAL STORAGE 205	-	OFFICE	1485	330	.8	42	15.4	79	63	96	48.00	59	95	2	4.5	THERMOSTAT	-	-	-	-	-	-	1-7
HP-2	TRANE	-	TRUZH042	283	-	OUTSIDE	-	-	-	-	-	-	-	-	96	-	-	-	2	-	-	74	INDOOR	36	44	1	208	1-7
FC-3	TRANE	TPEFYP048MA	-	86	OPEN OFFICE 109	-	OFFICE	1600	320	.6	48	14	79	63	96	54.00	52	88	2	3.5	THERMOSTAT	-	-	4	15	1	208	1-7
HP-3	TRANE	-	TUMYP048	271	-	OUTSIDE	-	-	-	-	-	-	-	-	96	-	-	-	2	-	-	74	INDOOR	29	44	1	208	1-7
FC-4	TRANE	TPEFYP048MA	-	86	STORAGE 114	-	OFFICE	1600	200	.6	48	14	77	61	96	54.00	57	95	2	3.5	THERMOSTAT	-	-	4	15	1	208	1-7
HP-4	TRANE	-	TUMYP048	271	-	OUTSIDE	-	-	-	-	-	-	-	-	96	-	-	-	2	-	-	74	INDOOR	29	15	1	208	1-7

REMARKS
 1. REFRIGERANT LINES SHALL BE SIZED AND INSTALLED PER THE MANUFACTURER'S WRITTEN INSTRUCTIONS FOR DEVELOPED LINE LENGTH.
 2. PROVIDE WITH LOW AMBIENT CONTROLS (0°F).
 3. FURNISH CONDENSING UNIT WITH BASE PAN HEATER, 12" UNIT STAND WIND BAFFLES DRIAN PAN AND SOCKET.
 4. INDOOR UNIT POWER SHALL NOT BE FED FROM CONDENSING UNIT. SEPARATE CONNECTIONS ARE REQUIRED.
 5. FURNISH INDOOR UNIT WITH DRAIN PAN WITH LEVEL SENSOR/CONTROL.
 6. FURNISH INDOOR UNIT WITH BLUE DIAMOND CONDENSATE PUMP WITH REVIOR AND SENSOR.
 7. FURNISH UNIT WITH 24 VOLT INTERFACE KIT AND 7 DAY PROGRAMMABLE ELECTROINC THERMOSTAT. CONTROLS SHALL HAVE 5 DEGREE DEADBAND, AUTO SETBACK, AND MANUAL OVRIRDR.



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95% CD
OWNER REVIEW

PROJECT: 22123.00 DATE: 1/20/23
 DRAWN: LO CHECKED: JH

REVISED:
 2/24/2023
 ADDENDUM ONE

SHEET TITLE:
MECHANICAL SCHEDULES

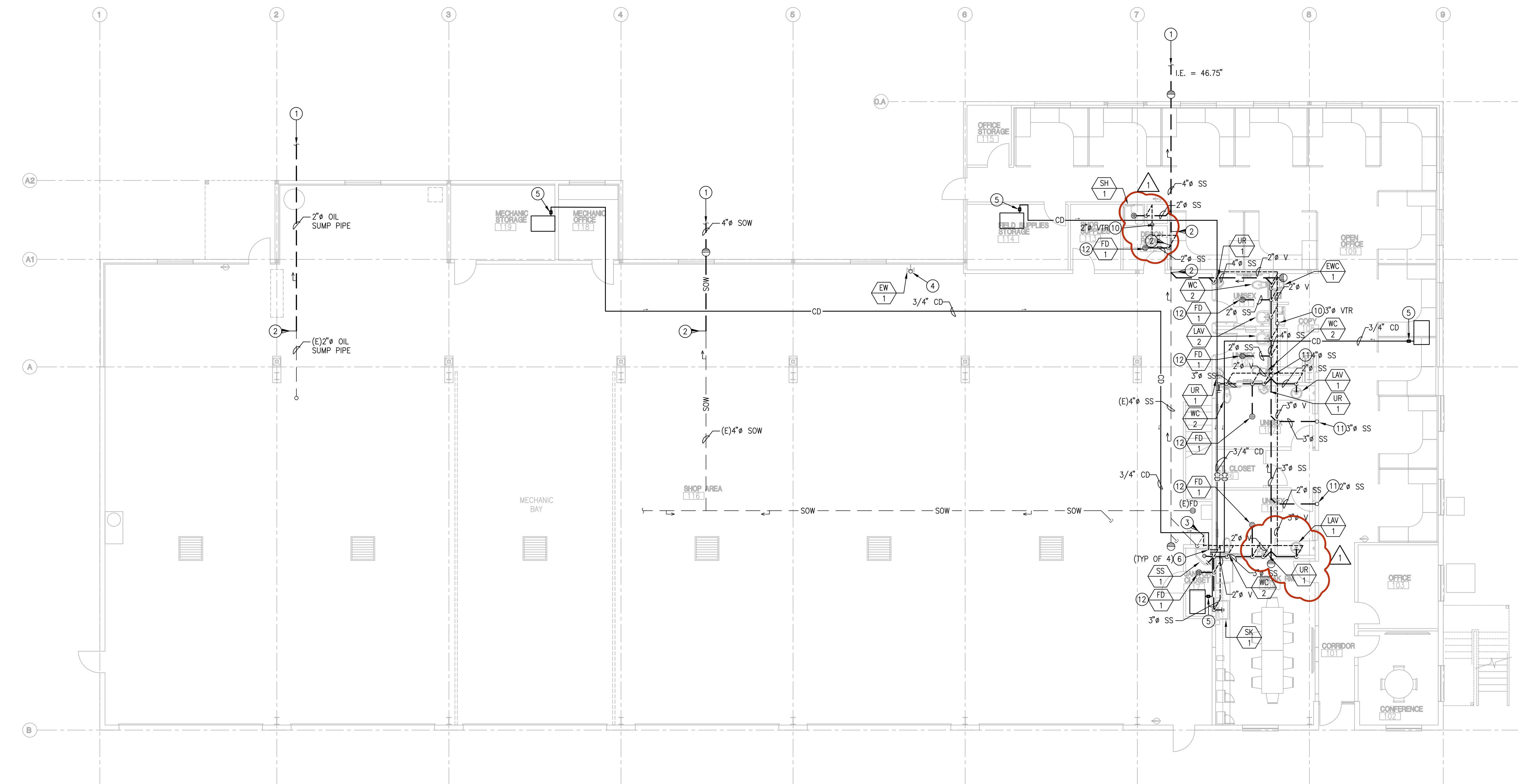
SHEET:
M41
 ORIGINAL SHEET SIZE:
 30" x 42"

GENERAL NOTES

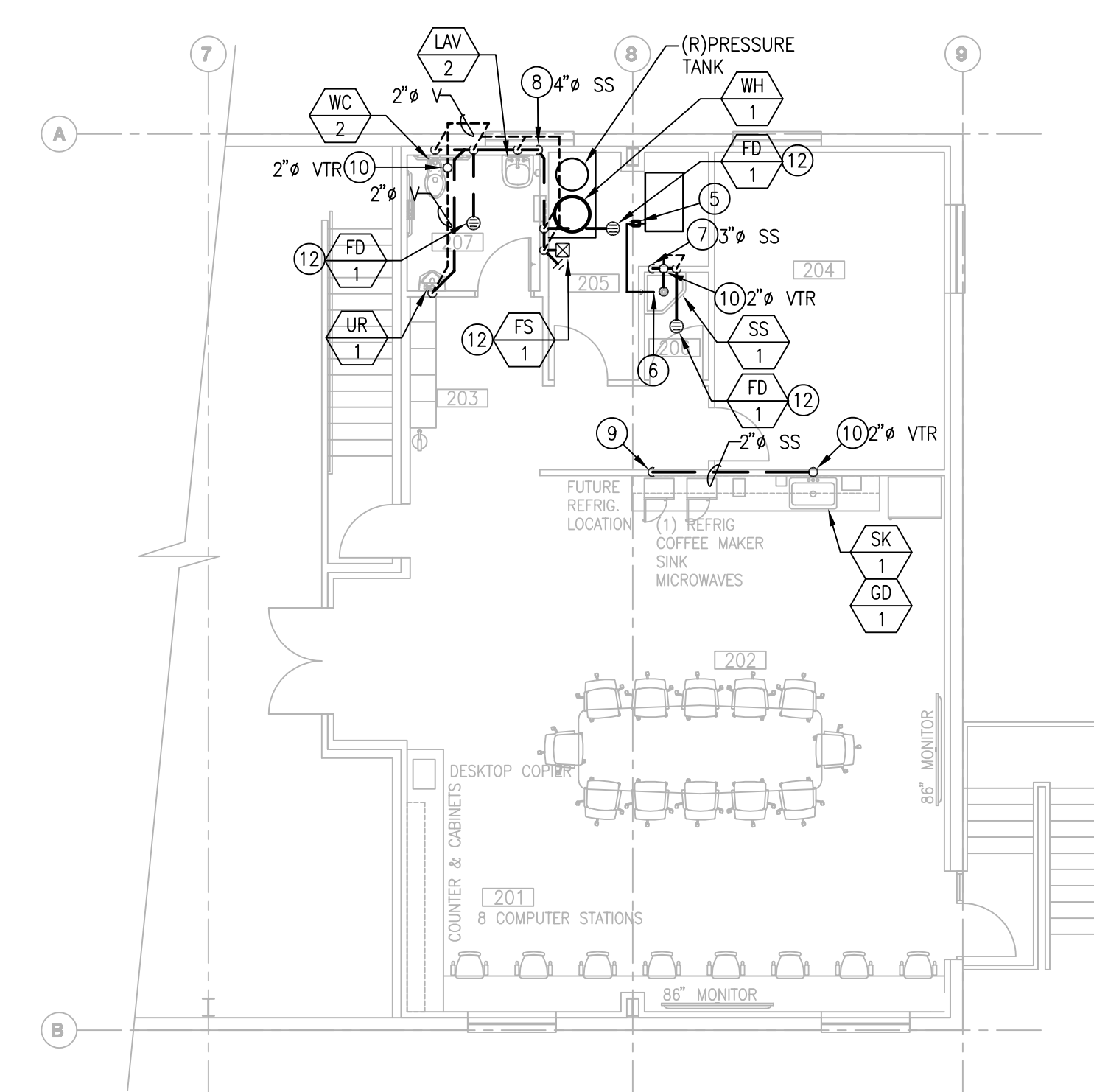
- A. EXISTING BUILDING WASTE AND VENT PIPING IS EXISTING. CONTRACTOR SHALL VERIFY EXACT LOCATION AND FLOW LINE ELEVATION OF ALL CONNECTION POINTS PRIOR TO INSTALLATION OF NEW PIPING. ALERT GENERAL CONTRACTOR IMMEDIATELY UPON DISCOVERY OF ANY CONDITIONS THAT WILL NOT ALLOW FOR INVERTS AND CONNECTION POINTS NOTED.
- B. SLOPE ALL SS, GW, CD, RWL, AND OFL PIPING AT 1/4" PER FOOT UNLESS NOTED OTHERWISE.
- C. ALL CONDENSATE PIPING IS 1" UNLESS NOTED OTHERWISE.
- D. PROVIDE INDIRECT WASTE PIPING TO RECEPTORS FROM ALL EQUIPMENT AS REQUIRED. REFER TO FIXTURE SCHEDULES FOR FURTHER INFORMATION. PIPING SHALL BE TYPE DWV OR TYPE M COPPER INSTALLED A MINIMUM OF 1/2" OFF OF ADJACENT FLOOR AND WALL SURFACES.
- E. INSTALL ALL PLUMBING VTR AND GAS VENTS A MINIMUM OF 10'-0" FROM ALL OSA INTAKES.
- F. INSTALL ALL NEW BELOW GROUND WASTE OR VENT PIPING. PROVIDE FOR ALL EXCAVATION AND BACKFILL AS REQUIRED. REFER TO GENERAL NOTES FOR SLOPE REQUIREMENTS.
- G. ROUTE ALL ABOVE GROUND VENT PIPING OVERHEAD AS HIGH AS POSSIBLE IN ROOF STRUCTURE. COORDINATE ROUTING WITH STRUCTURE AND DUCTWORK LAYOUT.
- H. INSTALL NORTH TOWN COMPANY LOW DENSITY POLYWRAP POLYETHYLENE ENCASEMENT OR EQUAL ON ALL BELOW GROUND CAST IRON PIPING.
- I. FURNISH ALL FLOOR CLEANOUTS WITH HEAVY DUTY NICKEL BRONZE TOP WITH CAST IRON ADJUSTABLE STRAINER AND ASS FLUG.
- J. REFER TO THE PLUMBING DETAIL SHEET FOR ALL DETAILS THAT ARE NOT REFERENCED.

SHEET NOTES

1. EXTEND SS 5'-0" FROM EDGE OF BUILDING AND CONNECT TO SANITARY SEWER MAIN. RE: CIVIL DRAWINGS FOR CONTINUATION.
2. CONNECT NEW WASTE LINE TO EXISTING WASTE LINE BELOW FLOOR. VERIFY EXACT SIZE, LOCATION, AND INVERT ELEVATION OF EXISTING PIPING IN FIELD PRIOR TO START OF WORK.
3. CONNECT NEW OVERHEAD VENT PIPING TO EXISTING VENT SYSTEM AND VENT THROUGH ROOF. VERIFY EXACT LOCATION OF EXISTING VENT PIPING AND CONNECTION REQUIREMENTS IN FIELD PRIOR TO START OF WORK.
4. DRAIN EYEWASH WASTE INDIRECTLY TO FLOOR.
5. FURNISH UNIT WITH CONDENSATE PUMP. MODEL BECKETT CB251UL. 40CPH. 1/22HP-115V/60HZ/1.3 FLA. PUMP SHALL BE CONFIGURED FOR HARDWARE INSTALLATION. COORDINATE WITH ELECTRICAL CONTRACTOR. INSTALL ADJACENT TO FAN COIL UNIT IN ACCESSIBLE LOCATION.
6. ROUTE 3/4" CD PIPING DOWN FROM ABOVE AND ROUTE IN WALL AND DRAIN INDIRECT TO NEAREST DRAIN/SERVICE SINK.
7. DROP 3" WASTE DOWN TO BELOW. RE:1/P21 WASTE AND VENT PLAN. ROUTE 2" VENT UP IN WALL AND ROUTE ABOVE CEILING.
8. DROP 4" WASTE DOWN TO BELOW. RE:1/P21 WASTE AND VENT PLAN. ROUTE 2" VENT UP IN WALL AND ROUTE ABOVE CEILING.
9. DROP 2" SS WASTE DOWN TO BELOW. RE:1/P21 WASTE AND VENT PLAN. ROUTE 2" VENT UP IN WALL AND ROUTE ABOVE CEILING.
10. ROUTE SANITARY VENT PIPING UP THROUGH ROOF.
11. ROUTE SS DOWN FROM ABOVE. ROUTE BELOW FLOOR. RE:1/P21 WASTE AND VENT MAZZINENE PLAN. SIZE AS INDICATED.
12. INSTALL TRAP PRIMER PIPING ON FLOOR DRAIN OR FLOOR SINK OUTLET TO THE TRAP PRIMER SYSTEM INDICATED. RE: WATER AND GAS PLAN FOR WATER CONNECTION AND TRAP PRIMER LOCATIONS.



1 WASTE AND VENT PLAN
SCALE: 1/8" = 1'-0"

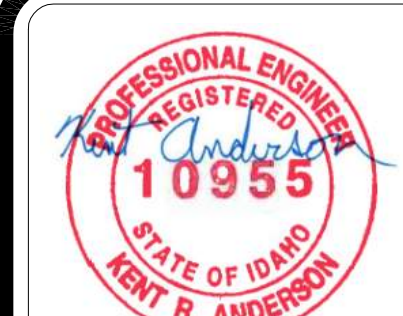


1 WASTE AND VENT MAZZINENE PLAN
SCALE: 1/8" = 1'-0"

LEGEND

(RE: P01 FOR ADDITIONAL INFORMATION)

— PLUMBING EQUIPMENT	⊙ FLOOR CLEAN OUT
- - - SANITARY SEWER	⊙ FLOOR DRAIN, ROUND
- SOW - SAND OIL WASTE	⊙ FLOOR SINK
- GW - GREASE WASTE	
- - - SANITARY VENT	
- CD - CONDENSATE	
- RWL - RAINWATER LEADER	
- OFL - OVERFLOW LEADER	



Kent Anderson
2023.02.24 09:02:15-0700
ORIGINAL DOCUMENTS ARE HELD AT
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PROJECT 22123.00	DATE 1/20/23
DRAWN KRA	CHECKED KRA

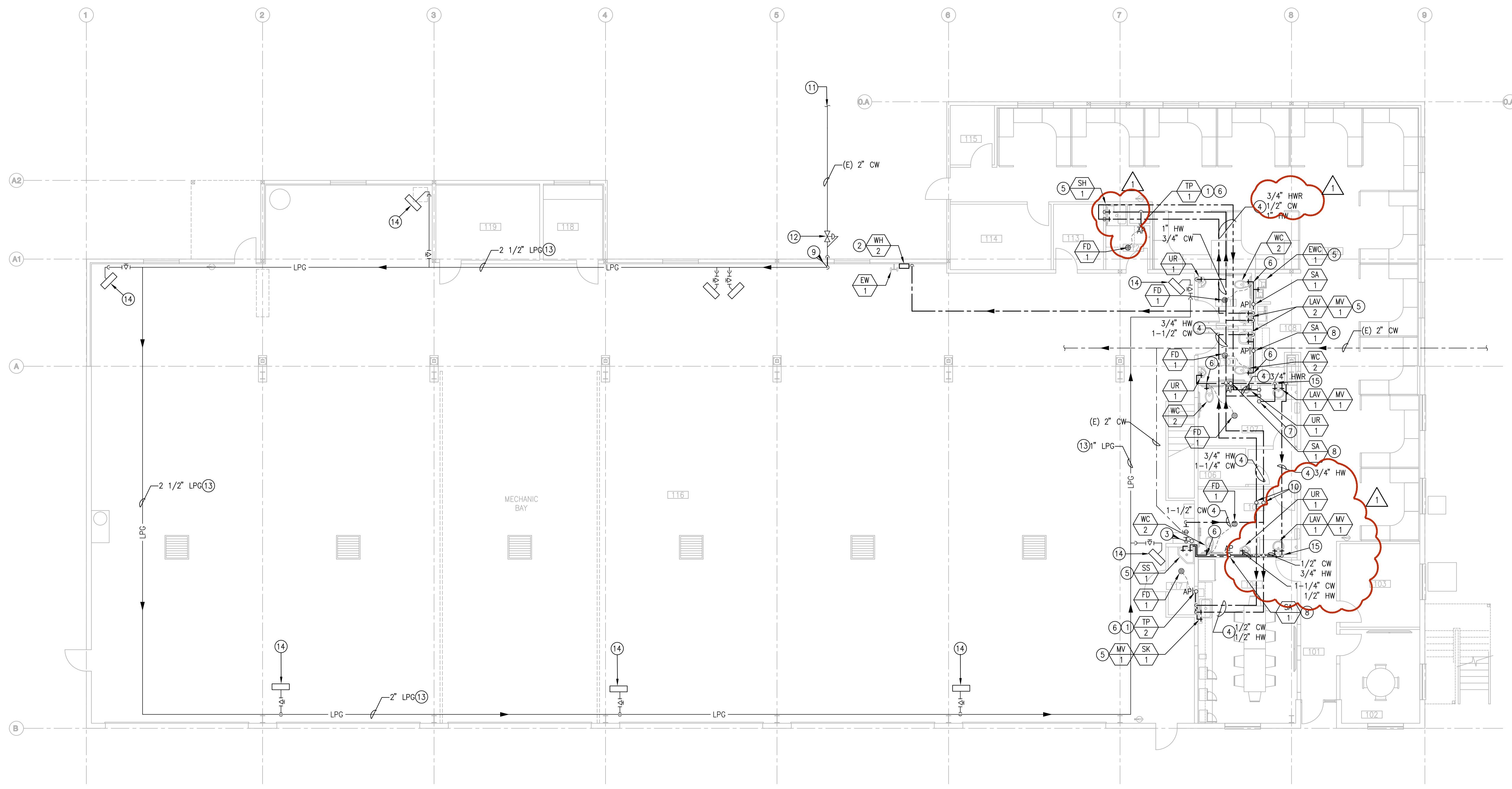
REVISED
▲ ADDENDUM ONE
2/24/23

SHEET TITLE
WASTE AND VENT PLAN

SHEET

P21

ORIGINAL SHEET SIZE
30" x 42"



1 WATER AND GAS PLAN
SCALE: 1/8" = 1'-0"

GENERAL NOTES

- CONTRACTOR TO INSTALL SHUT OFF VALVES AT EACH BRANCH LINE TAKE-OFF. ALL PLUMBING FIXTURES, APPLIANCES, AND BRANCH LINES SHALL HAVE THEIR OWN INDEPENDENT SHUT-OFF VALVES INSTALLED IN AN EASILY ACCESSIBLE AND CONVENIENT LOCATION. BRANCHES SHALL COME OFF BOTTOM OR SIDE OF MAIN TO PREVENT AIR ENTRAPMENT.
- PROVIDE MIXING VALVE ON ALL HAND SINKS, LAVATORIES AND BREAK ROOM COUNTERTOP SINKS LOCATED TO BE EASILY ACCESSIBLE. REFER TO SCHEDULE AND DETAILS FOR MAKE, MODEL AND TEMPERATURE SETTING.
- PROVIDE FIXTURE BRANCH PIPING, PRESSURE REGULATORS AND BACKFLOW PREVENTION TO ALL EQUIPMENT AS REQUIRED. REFER TO FIXTURE SCHEDULES FOR FURTHER INFORMATION.
- INSTALL CHECK VALVES IN HOT AND COLD WATER SUPPLY LINES SERVING ALL 1, 2 AND 3-COMPARTMENT SINKS AND MOP SINKS.
- ROUTE ALL WATER OR GAS PIPING OVERHEAD AS HIGH AS POSSIBLE. RE: PIPING SUPPORT DETAILS. COORDINATE ROUTING WITH STRUCTURE AND DUCTWORK LAYOUT.
- VENT-LESS GAS REGULATORS ARE NOT ALLOWED.
- RE: PLUMBING DETAIL SHEET FOR ALL DETAILS THAT ARE NOT REFERENCED.

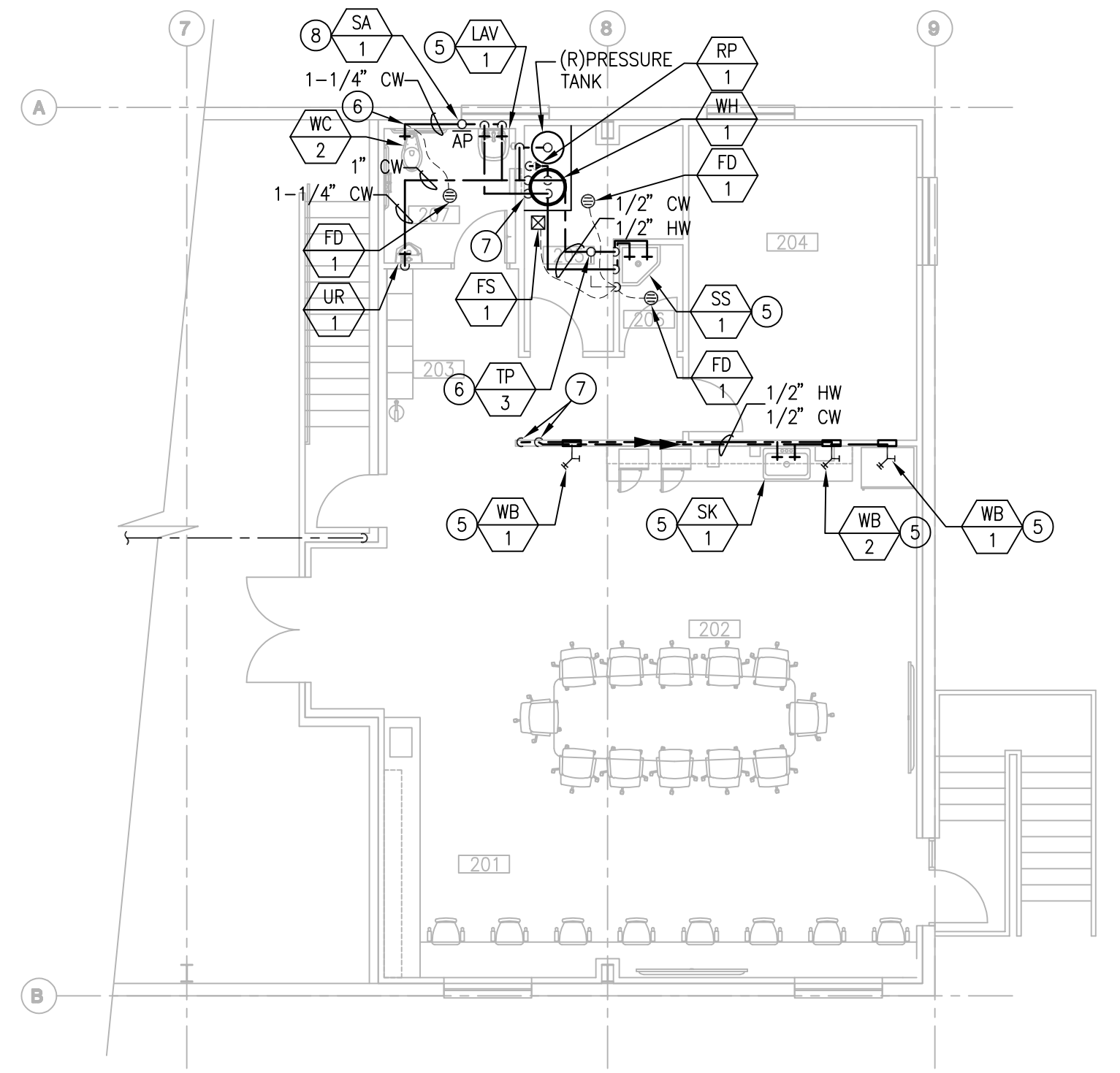
SHEET NOTES

- INSTALL FIXTURE IN WALL AT 12" AFF MIN.
- INSTALL INSTANTANEOUS WATER HEATER NEXT TO EMERGENCY EYE WASH PER THE MANUFACTURERS REQUIREMENTS AND MOUNTING HEIGHT.
- CONNECT NEW OVERHEAD WATER PIPING TO EXISTING OVERHEAD PIPING. VERIFY EXACT SIZE, LOCATION, AND CONNECTION REQUIREMENTS IN FIELD PRIOR TO START OF WORK.
- ROUTE WATER PIPING OVERHEAD, COORDINATE ROUTING WITH STRUCTURE AND DUCTWORK LAYOUT PRIOR TO CONSTRUCTION.
- ROUTE WATER PIPING DOWN IN WALL TO FIXTURES AND EQUIPMENT. REFER TO FIXTURE SCHEDULE FOR CONNECTION SIZES AND REQUIREMENTS. SIZE AS INDICATED.
- ROUTE 1/2" PEX TUBING INDEPENDENTLY FROM TRAP PRIMER MANIFOLD DOWN IN WALL AND CONNECT TO FLOOR DRAIN TRAPS. REFER TO WASTE AND VENT DRAWING FOR FLOOR DRAIN LOCATIONS.
- DROP PIPING DOWN FROM LEVEL 2 SPACE TO LEVEL 1 CEILING SPACE.
- INSTALL SHOCK ARRESTER ON THE CW PIPE IN WALL SPACE. FURNISH AND INSTALL A 12" X 12" ACCESS PANEL. COORDINATE THE EXACT ACCESS PANEL AND LOCATION WITH ARCHITECTURAL PLANS PRIOR TO CONSTRUCTION.
- CONNECT NEW LIQUID PETROLEUM GAS TO EXISTING GAS LIQUID PETROLEUM GAS PIPING. VERIFY EXACT SIZE, LOCATION, AND CONNECTION REQUIREMENTS IN FIELD PRIOR TO START OF WORK.
- PIPE UP AND CONNECT TO LEVEL 2 WATER PIPING FROM LEVEL 1. SIZE AS INDICATED.
- CONTRACTOR IS TO FIELD VERIFY THE LOCATION OF THE EXISTING RELOCATED UNDILUTED PROPANE TANK WITH OWNER PRIOR TO START OF WORK. CONNECT GAS PIPING PER MANUFACTURERS REQUIREMENTS.
- GENERAL CONTRACTOR IS TO RELOCATE AND RECONNECT EXISTING PRESSURE REGULATOR. CONNECT ACCORDINGLY TO EXISTING CONDITIONS FOR INLET AND OUTLET PRESSURES. CONTRACTOR IS TO INSPECT EXISTING PRESSURE REGULATOR TO VERIFY IT IS IN WORKING ORDER OR REPAIR TO LIKE "NEW CONDITION". IF GENERAL CONTRACTOR DEEMS IRREPARABLE GENERAL CONTRACTOR IS TO MAKE OWNER AWARE PRIOR TO REPLACEMENT. CONNECT NEW PIPING TO EXISTING EQUIPMENT PER MANUFACTURERS REQUIREMENTS.
- UNDILUTED PROPANE IS SIZED FOR AN INLET PRESSURE OF 2PSI WITH A 11.0 INCH WATER COLUMN. ROUTE PIPING AS HIGH AS POSSIBLE ACCORDING TO ARCHITECTURAL AND STRUCTURAL PLANS.
- CONNECT NEW GAS PIPING UP TO STUB IN THE EXISTING GAS PIPING. CONNECT GAS PIPING TO EQUIPMENT. PROVIDE CSA-LISTED SHUT-OFF VALVE, FLEXIBLE APPLIANCE CONNECTOR, 5" DIRT LEG, AND UNION. GAS TO UNIT CONNECTION DETAIL. CONTRACTOR TO VERIFY LOCATION OF EXISTING GAS PIPING PRIOR TO START OF WORK AND SIZE AS INDICATED.
- ROUTE HW MAIN DOWN IN WALL TO LAVATORY ROUGH-IN HEIGHT, OFFSET HORIZONTALLY, AND ROUTE IN WALL TO FIXTURES. TERMINATE EACH LAVATORY HW SUPPLY WITHIN 2'-0" OF THE FIXTURE SUPPLY PIPE.

LEGEND

(RE: P01 FOR ADDITIONAL INFORMATION)

---	COLD WATER	○	PIPE ELBOW UP
---	HOT WATER	○	PIPE ELBOW DOWN
---	HOT WATER RETURN	⊥	PIPE TEE BRANCH UP
---	LPG	---	PIPE TEE BRANCH DOWN
→	FLOW DIRECTION INDICATOR	→	PIPE TEE BRANCH DOWN
○	BALL VALVE	→	FLOW DIRECTION INDICATOR



1 WATER AND GAS MEZZANINE PLAN
SCALE: 1/8" = 1'-0"



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PROJECT	22123.00	DATE	1/20/23
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REVISED
ADDENDUM ONE
2/24/23

SHEET TITLE
WATER AND GAS PLAN

SHEET
P22
ORIGINAL SHEET SIZE
30" x 42"