

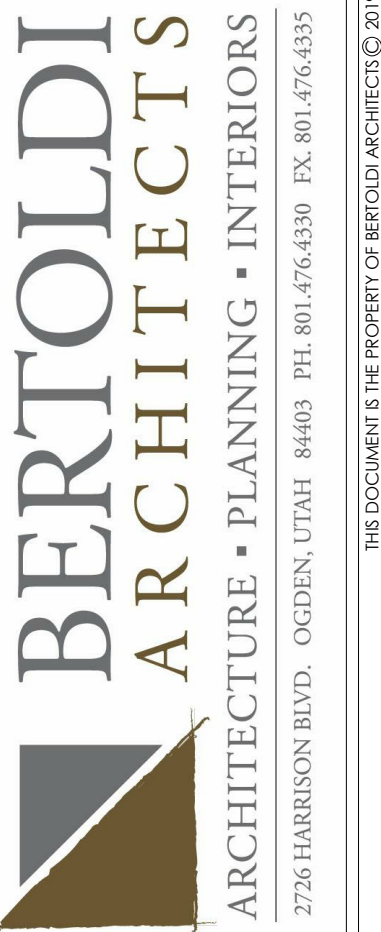


McKAY-DEE LIVE WELL CENTER

4421 HARRISON BLVD, SUITE #A6, OGDEN, UT 84403

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**MCKAY-DEE
LIVE WELL CENTER**
4421 HARRISON BLVD, SUITE #A6, OGDEN, UT 84403

CODE ANALYSIS

APPLICABLE CODES

Year	Year
International Building Code 2018	National Electrical Code 2017
International Mechanical Code 2018	Uniform Code for Building Conservation N.A.
International Fire Code 2018	ADA Accessibility Guidelines-ANSI A117.1 2010
International Energy Conservation Code 2018	

- A. Occupancy and Group: B
- 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: - Design Wind Speed: - MPH
- C. Type of Construction (circle one):
 I/A I/B II/A II/B III/A III/B IV/HT V/A V/B
- D. Fire Resistance Rating Requirements for the Exterior Walls based on the fire separation distance (in hours):
North: 0 South: 0 East: 0 West: 0
- E. Mixed Occupancies: - Nonseparated Uses: -
- F. Sprinklers Required: - Provided: - Type of Sprinkler System: N/A
- G. Number of Stories: 1 Building Height: EXISTING
- H. Actual Area per Floor (square feet): 3098 SF
I. Tabular Area (Table 506): 9000 SF
- J. Fire Resistance Rating Requirements for Building Elements (hours).

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

- K. Design Occupant Load: 49
Exit Width Required: 32" Exit Width Provided: 64"
- L. Minimum Number of Required Plumbing Facilities:
- Water Closets - Required (m) 2 (f) 2 Provided (m) 2 (f) 2
 - Lavatories - Required (m) 2 (f) 2 Provided (m) 2 (f) 2
 - Bath Tubs or Showers: 2
 - Drinking Fountains: 1 Service Sinks: 1

PROJECT DIRECTORY

OWNER: INTERMOUNTAIN HEALTHCARE
4400 HARRISON BLVD.
OGDEN, UTAH 84401

ARCHITECT: BERTOLDI ARCHITECTS
2726 HARRISON BLVD.
OGDEN, UTAH 84403
801.476.4330

MECHANICAL: SPECTRUM ENGINEERS
354 S. STATE STREET
SUITE 400
SALT LAKE CITY, UTAH 84111

PLUMBING: SPECTRUM ENGINEERS
354 S. STATE STREET
SUITE 400
SALT LAKE CITY, UTAH 84111

ELECTRICAL: SPECTRUM ENGINEERS
354 S. STATE STREET
SUITE 400
SALT LAKE CITY, UTAH 84111

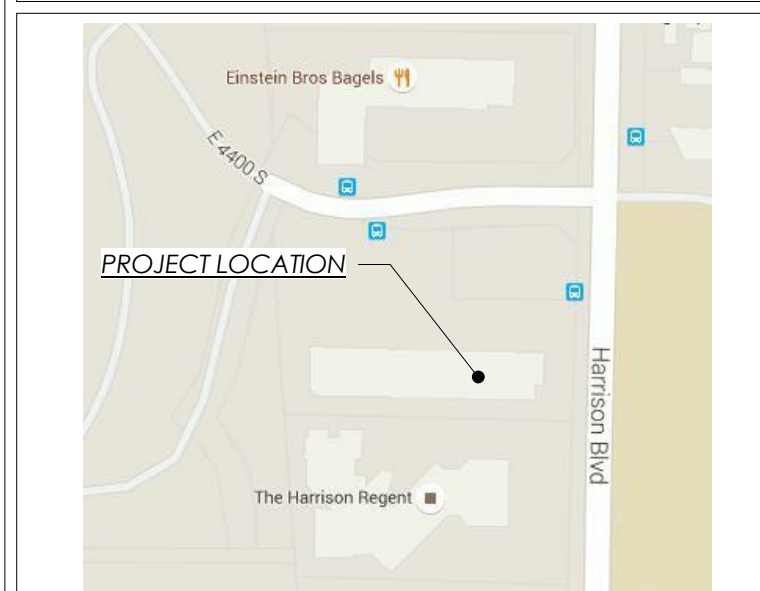
STANDARD ABBREVIATIONS

# NUMBER	MECH. MECHANICAL
@ AT	MFR. MANUFACTURER
A.F.F. ABOVE FINISHED FLOOR	MIN. MINIMUM
ALUM. ALUMINUM	MISC. MISCELLANEOUS
APPROX. APPROXIMATELY	MTL. METAL
ARCH. ARCHITECT/ARCHITECTURAL	N.I.C. NOT IN CONTRACT
BLDG. BUILDING	O.C. ON CENTER
B.O. BOTTOM OF	O.H. OVERHEAD
COL. COLUMN	OPP. OPPOSITE
CONC. CONCRETE	PNT. PAINT
CONST. CONSTRUCTION	PRE-FIN. PRE-FINISHED
CONT. CONTINUOUS	PROJ. PROJECT
COORD. COORDINATE	QTY. QUANTITY
DET. DETAIL	RAD. RADIUS
D.F. DRINKING FOUNTAIN	REQ. REQUIRED
DIA. DIAMETER	RM. ROOM
DWGS. DRAWINGS	SCHED. SCHEDULE
ELECT. ELECTRICAL	SHT. SHEET
EQ. EQUAL	SIM. SIMILAR
EXIST. EXISTING	SPEC. SPECIFICATIONS
EXT. EXTERIOR	STRUCT. STRUCTURAL
FDN. FOUNDATION	S.F. SQUARE FEET
F.F. FINISH FLOOR	SQ. FT. SQUARE FEET
F.V. FIELD VERIFY	T.O. TOP OF
GWB. GYPSUM WALL BOARD	T.O.F. TOP OF FOOTING
H.M. HOLLOW METAL	T.O.S. TOP OF SLAB
HT. HEIGHT	T.O.W. TOP OF WALL
HVAC HEATING/VENTILATION/AIR CONDITIONING	TYP. TYPICAL
INSUL. INSULATE	TFM THERMOFUSED MELAMINE
INT. INTERIOR	U.N.O. UNLESS NOTED OTHERWISE
IBC INTERNATIONAL BUILDING CODE	VCT VINYL COMPOSITION TILE
LT. WT. LIGHT WEIGHT	VEST. VESTIBULE
MAINT. MAINTENANCE	W/ WITH
MAX. MAXIMUM	WD WOOD
MAT. MATERIAL	

STANDARD SYMBOLS

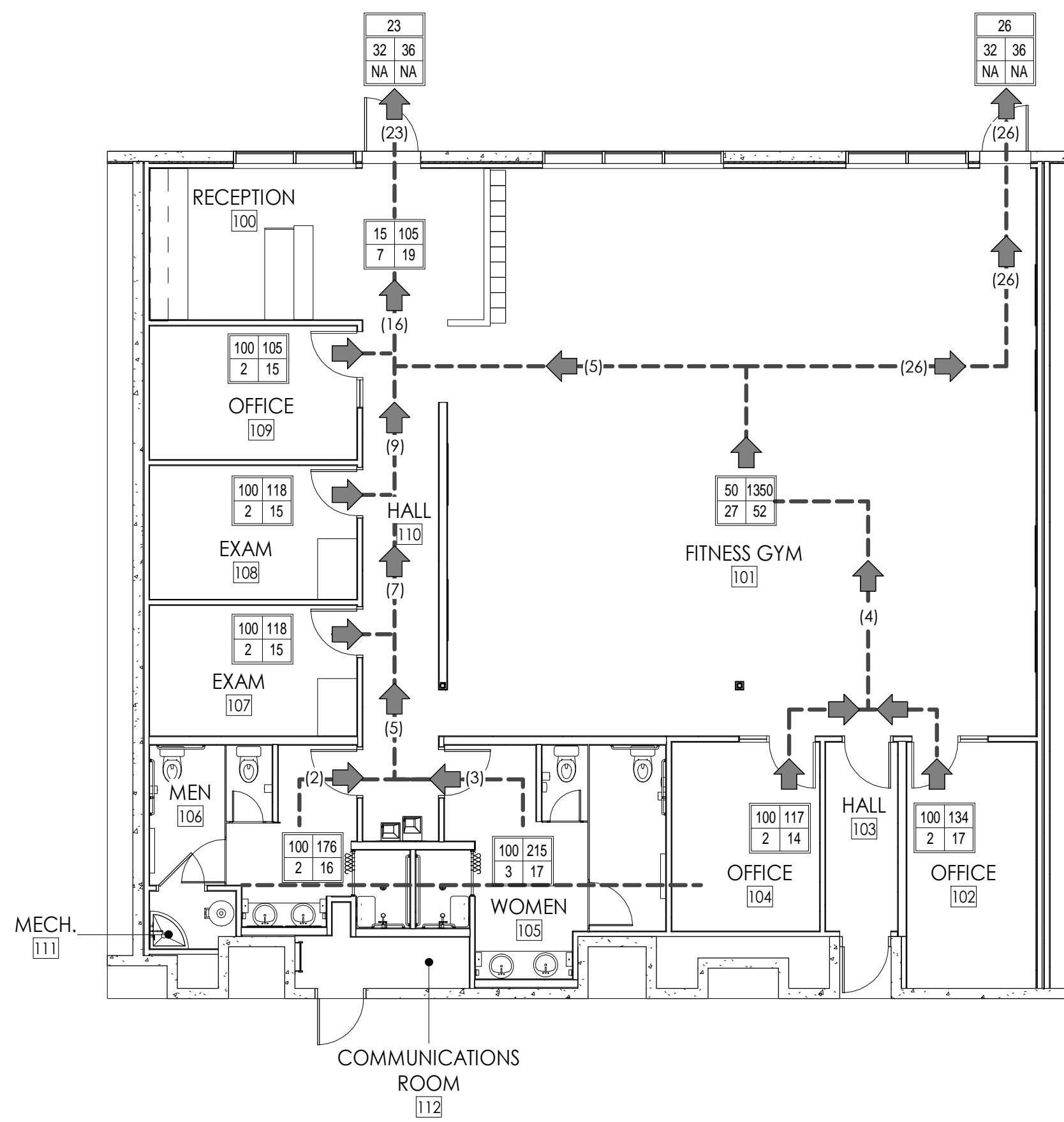
ELEVATION MARKER	NAME ELEVATION	DETAIL MARKER	1 SIM A101
EXTERIOR ELEVATION	A101	CEILING MARKER	11 1'-0" AFF
ROOM MARKER	Room name 101 150 SF	DOOR MARKER	101
INTERIOR ELEVATION	1 Ref A101 1 Ref	WINDOW MARKER	11
SECTION MARKER	1 SIM A101	WALL TYPE MARKER	1A
		KEYNOTE MARKER	?

VICINITY MAP



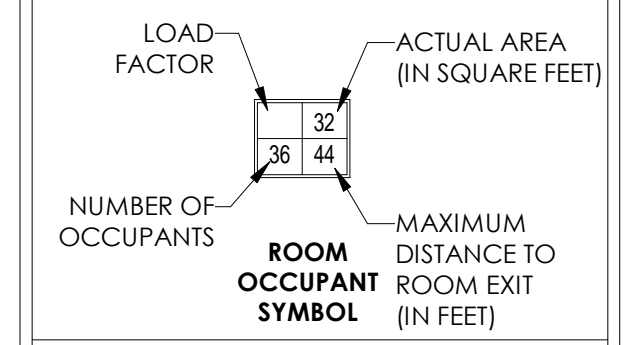
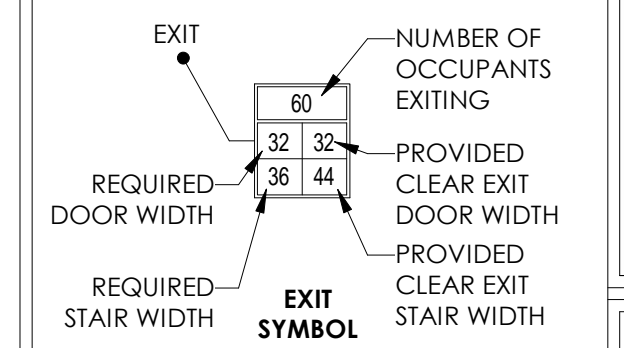
GENERAL NOTES

- A. ALL WORK TO BE DONE SHALL BE IN COMPLIANCE WITH THE 2015 IBC. GENERAL CONTRACTORS SHALL COMPLY WITH ALL LOCAL BUILDING CODES AND ORDINANCES GOVERNING THIS WORK.
- B. CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS PRIOR TO CONSTRUCTION AND NOTIFY ARCHITECT OF ANY DISCREPANCIES.
- C. GENERAL CONTRACTOR SHALL CLOSELY COORDINATE ALL TRADES TO EXPEDITE CONSTRUCTION AND ENFORCE THE HIGHEST QUALITY OF WORKMANSHIP OF THE INVOLVED TRADES.
- D. DIMENSIONS TAKE PRECEDENCE OVER DRAWINGS. DO NOT SCALE THE DRAWINGS.
- E. ALL DIMENSIONS GIVEN ARE TO FACE OF STUD UNLESS OTHERWISE NOTED ON PLANS.
- F. MANUFACTURER'S SPECIFICATIONS FOR INSTALLATION OF ALL MATERIALS AND EQUIPMENT SHALL BE FOLLOWED.
- G. SUB-CONTRACTORS SHALL FAMILIARIZE THEMSELVES WITH ALL PORTIONS OF THE WORK INCLUDING DRAWINGS, SPECIFICATIONS AND ADDENDUMS.
- H. SUB-CONTRACTORS SHALL NOT PREPARE BIDS FROM PARTIAL SETS OF DRAWINGS.
- I. CONTRACTOR SHALL NOTIFY ARCHITECT OF ANY DISCREPANCIES IN THE DRAWINGS AND SPECIFICATIONS FOR CLARIFICATION; OTHERWISE THE CONTRACTOR SHALL ASSUME THE MOST RESTRICTIVE AND/OR COSTLY ALTERNATIVE.
- J. CONTRACTOR TO COORDINATE ALL WORK WITH OWNER'S VENDORS. SUBCONTRACTORS ARE TO BE FAMILIAR WITH ALL PORTIONS OF THE WORK. IT IS TO BE NOTED THAT SUBCONTRACTORS WORK IS NOT LIMITED TO SPECIFIC SHEETS AND THAT ALL OF THE DRAWINGS MAY BE PART OF THEIR SCOPE OF WORK AND/OR COORDINATION.
- K. SECURE ALL REQUIRED PERMITS AND APPROVALS PRIOR TO ANY CONSTRUCTION.
- L. REFER TO ACCESSIBILITY DETAILS FOR MAXIMUM CLEARANCES AND REQUIREMENTS. GRAB BAR BACKING AS PER STATE, LOCAL AND FEDERAL CODES.



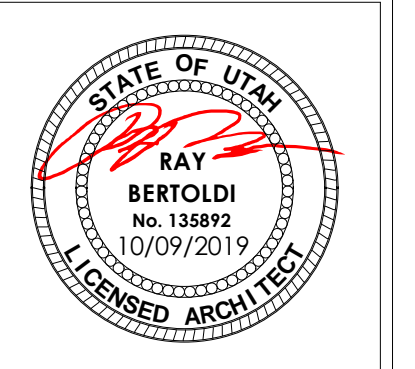
EGRESS LEGEND

- (2) COMBINED OCCUPANT LOAD ALONG PATH OF EGRESS
- PATH OF EGRESS
- ACCESSIBLE ROUTE; SHALL NOT EXCEED 5% RUNNING SLOPE AND 2% CROSS SLOPE EXCEPT AT CURB RAMPS



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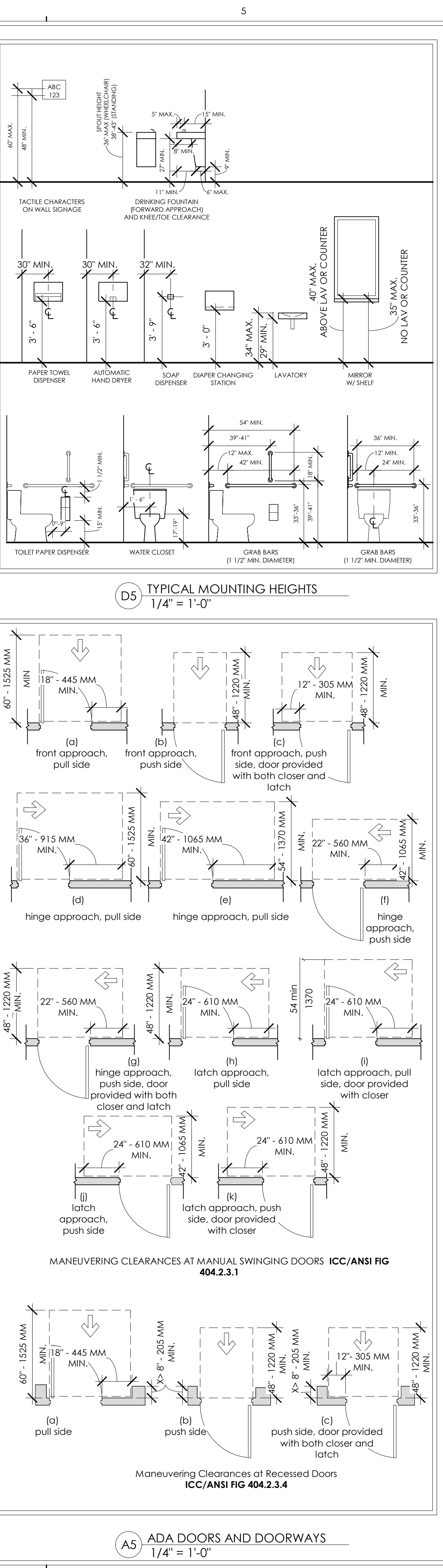
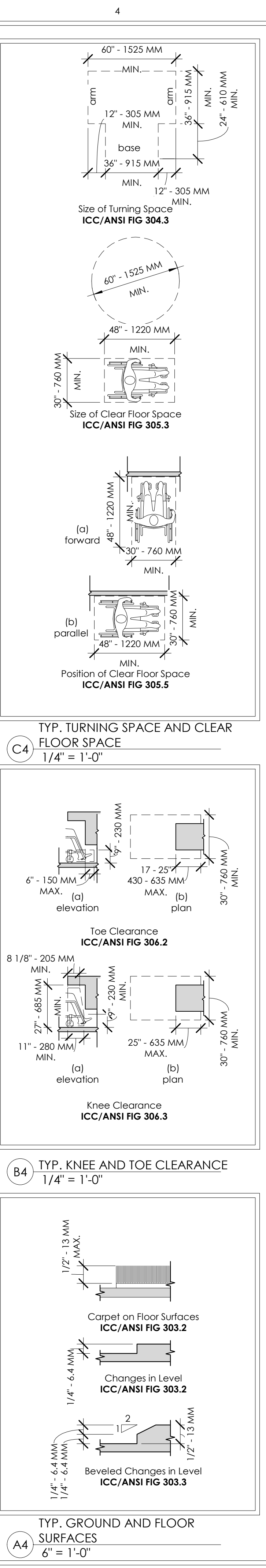
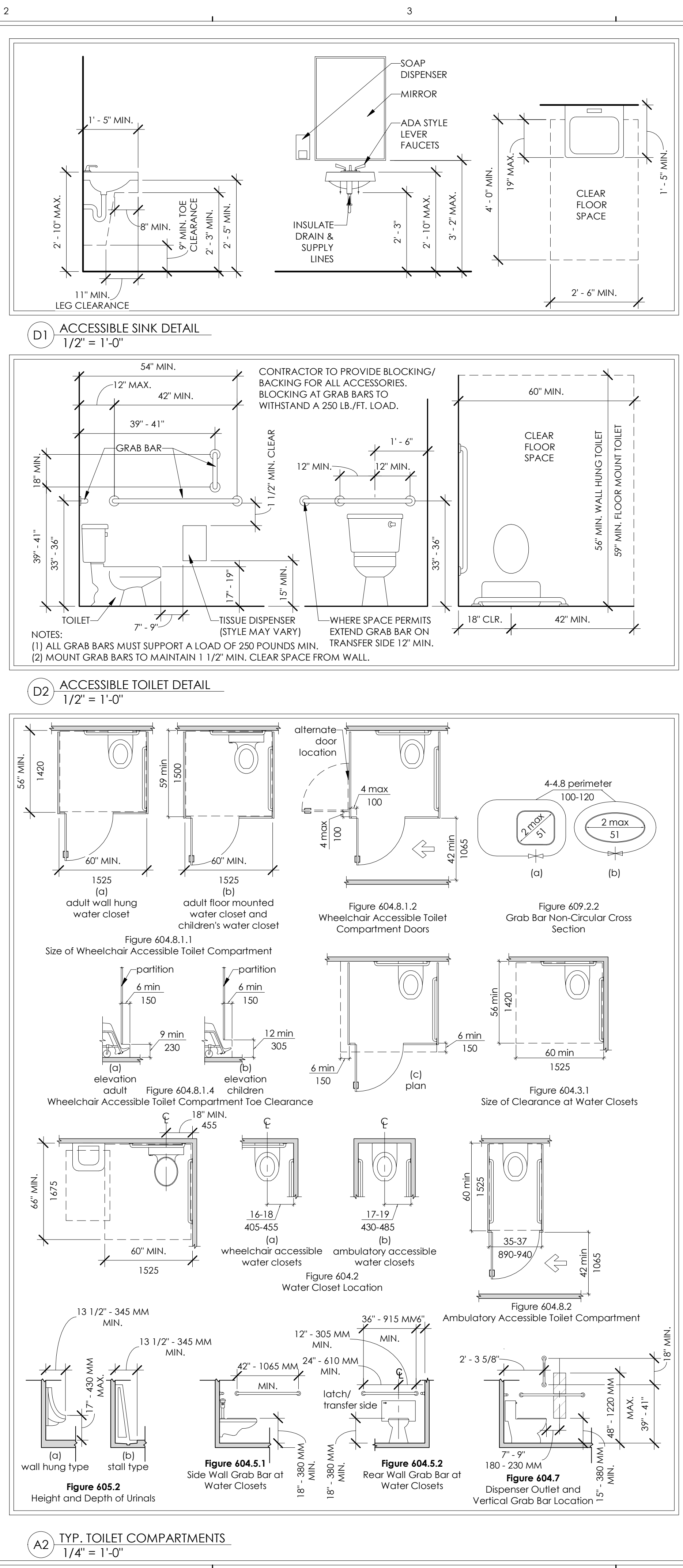
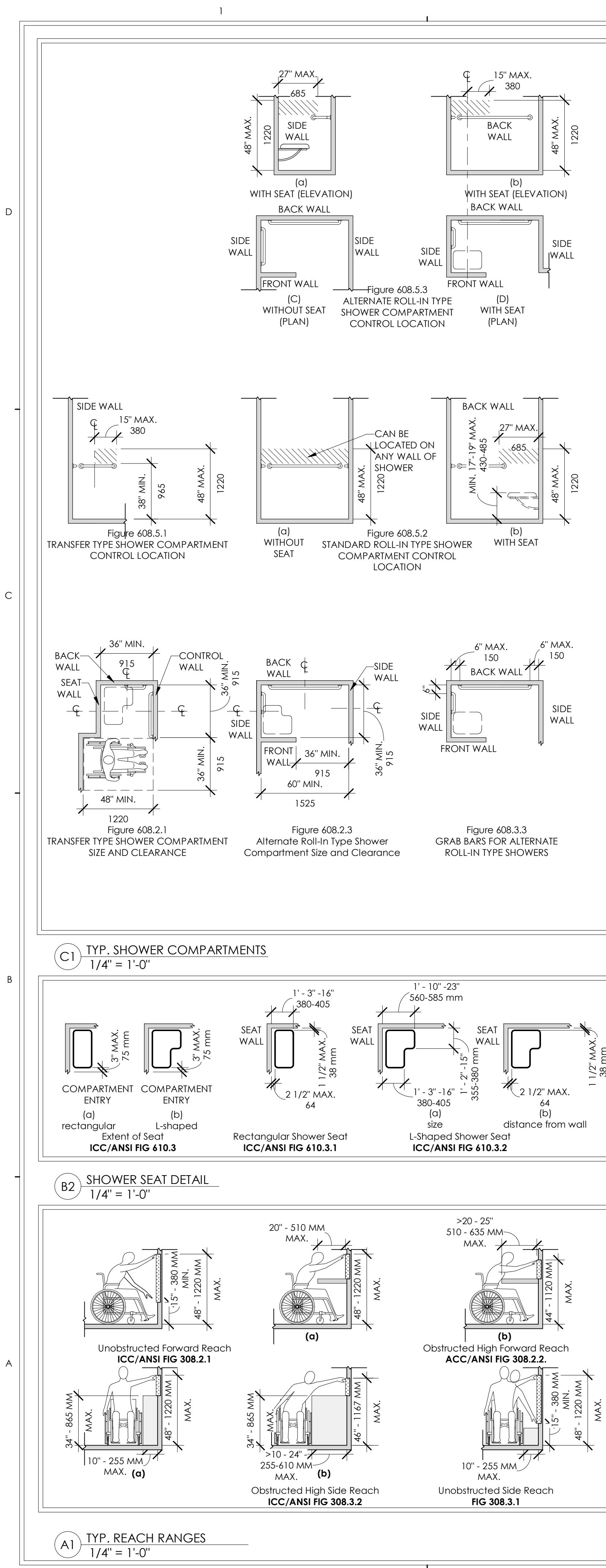


REV.	DATE
PROJECT #	1918
DATE:	10/09/19
TITLE:	EGRESS PLAN

ANY CHANGES OR MODIFICATIONS TO THE DESIGN OF THE PROJECT IS TO BE PRESENTED TO THE ARCHITECT FOR REVIEW AND APPROVAL. CONTRACTORS ARE TO BE FAMILIAR WITH ALL PORTIONS OF THE WORK. IT IS TO BE NOTED THAT SUBCONTRACTORS WORK IS NOT LIMITED TO SPECIFIC SHEETS AND THAT ALL OF THE DRAWINGS MAY BE PART OF THEIR SCOPE OF WORK AND/OR COORDINATION.

SHEET:
AG-002

A1 EGRESS PLAN
 1/8" = 1'-0"



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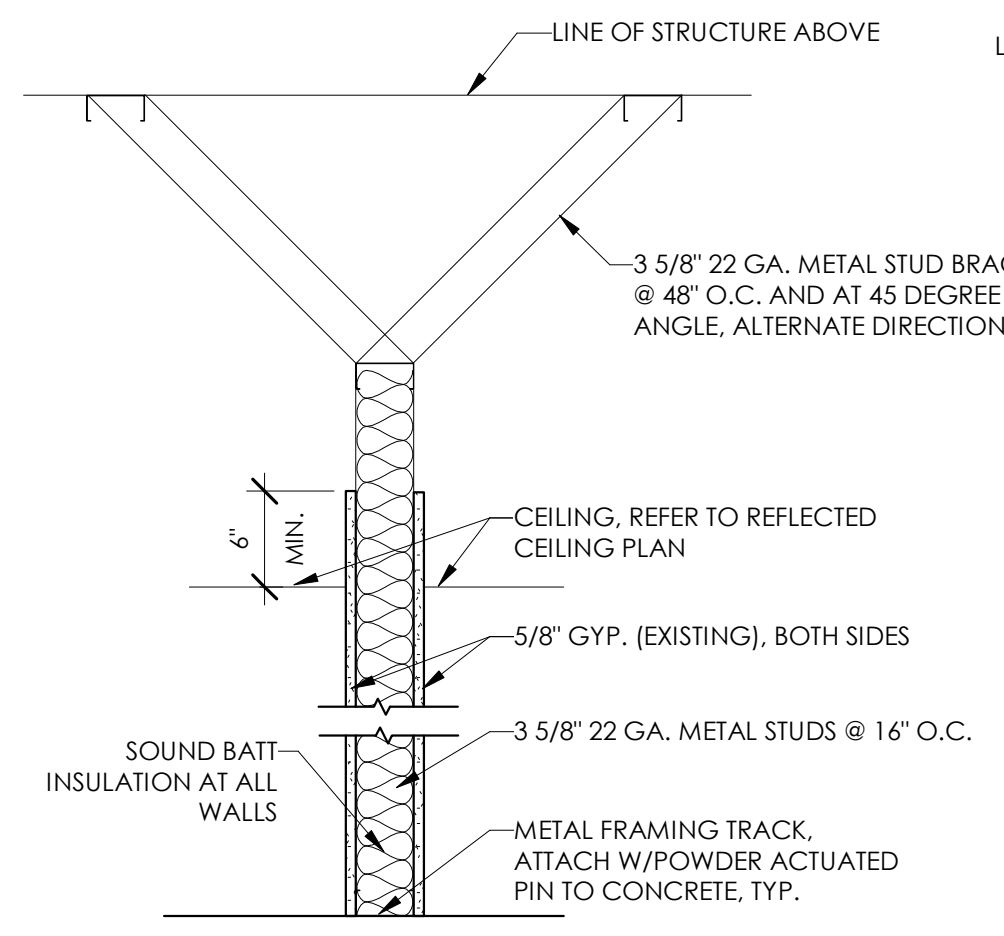
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STATE OF UTAH
RAY BERTOLDI
No. 138879
10/09/2019
LICENSED ARCHITECT

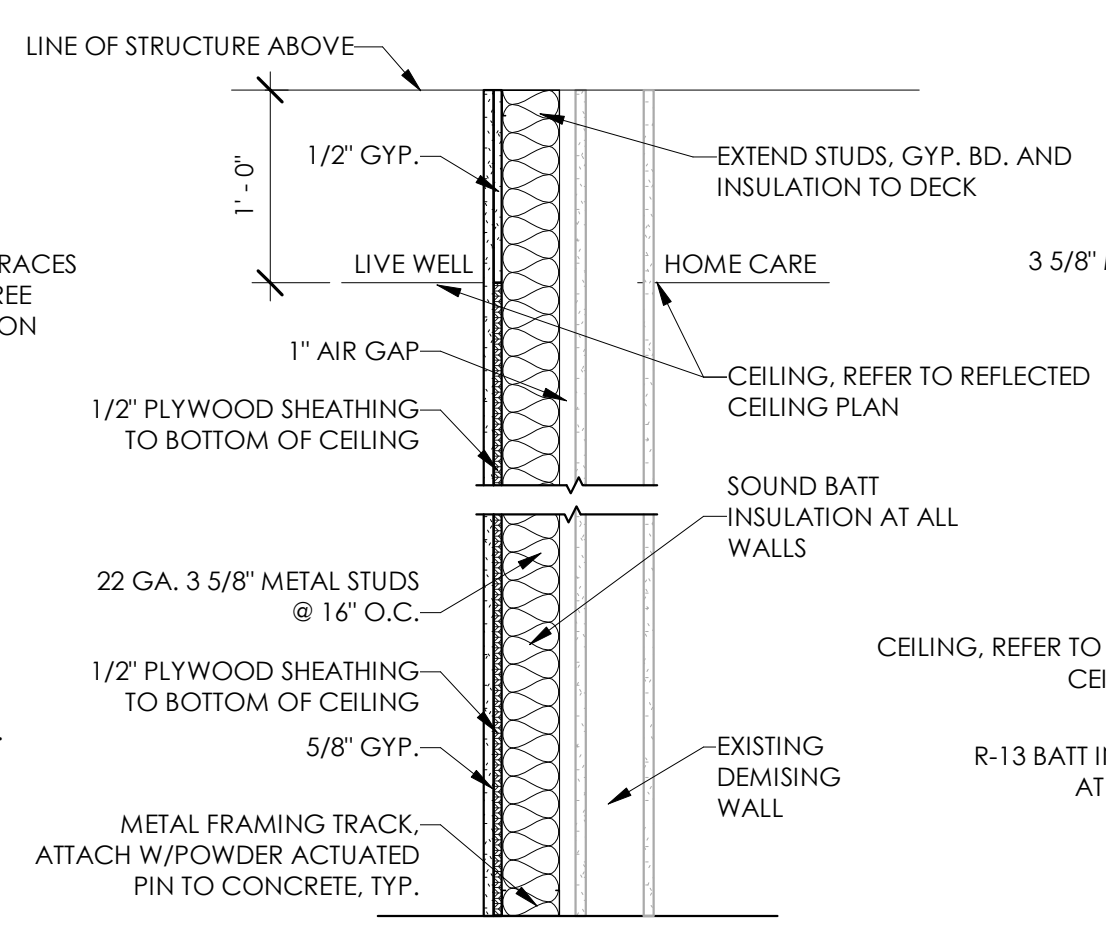
REV.	DATE

PROJECT # 1918
DATE: 10/09/19
TITLE: TYPICAL ACCESSIBLE DETAILS
SHEET:

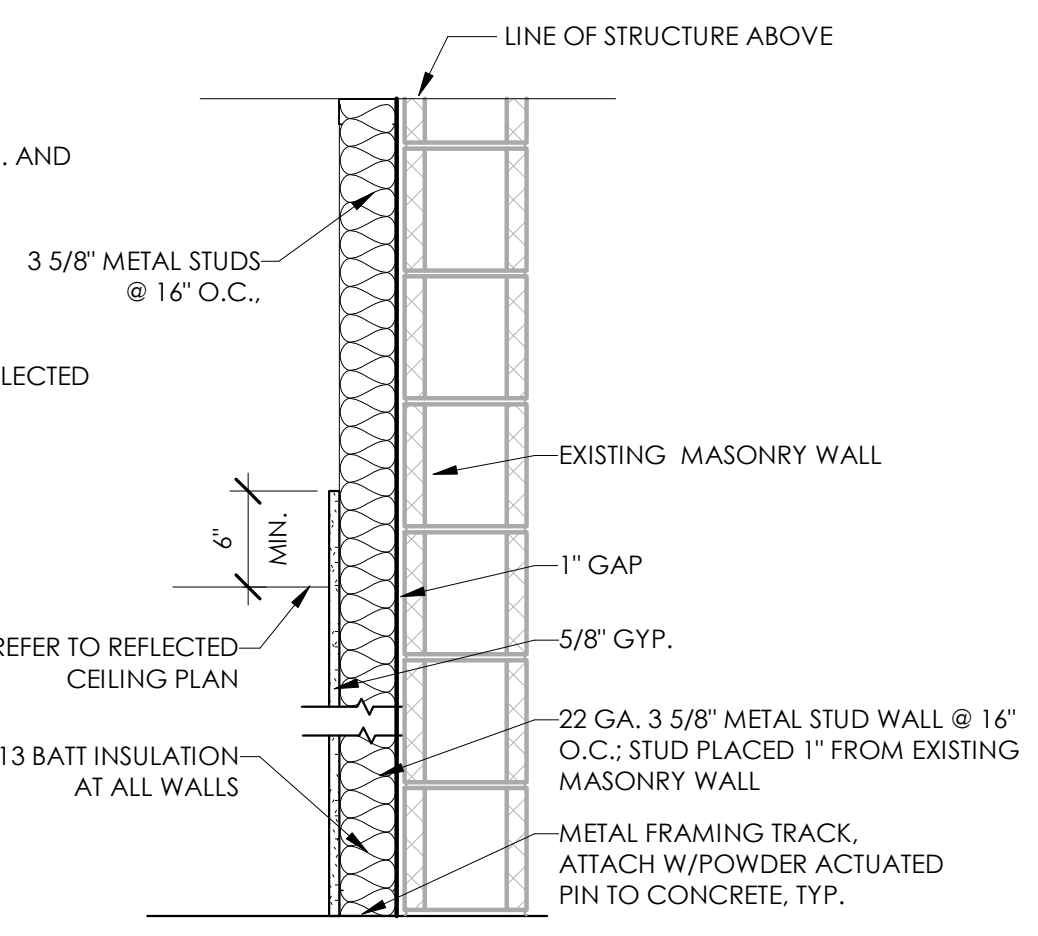
AG-003



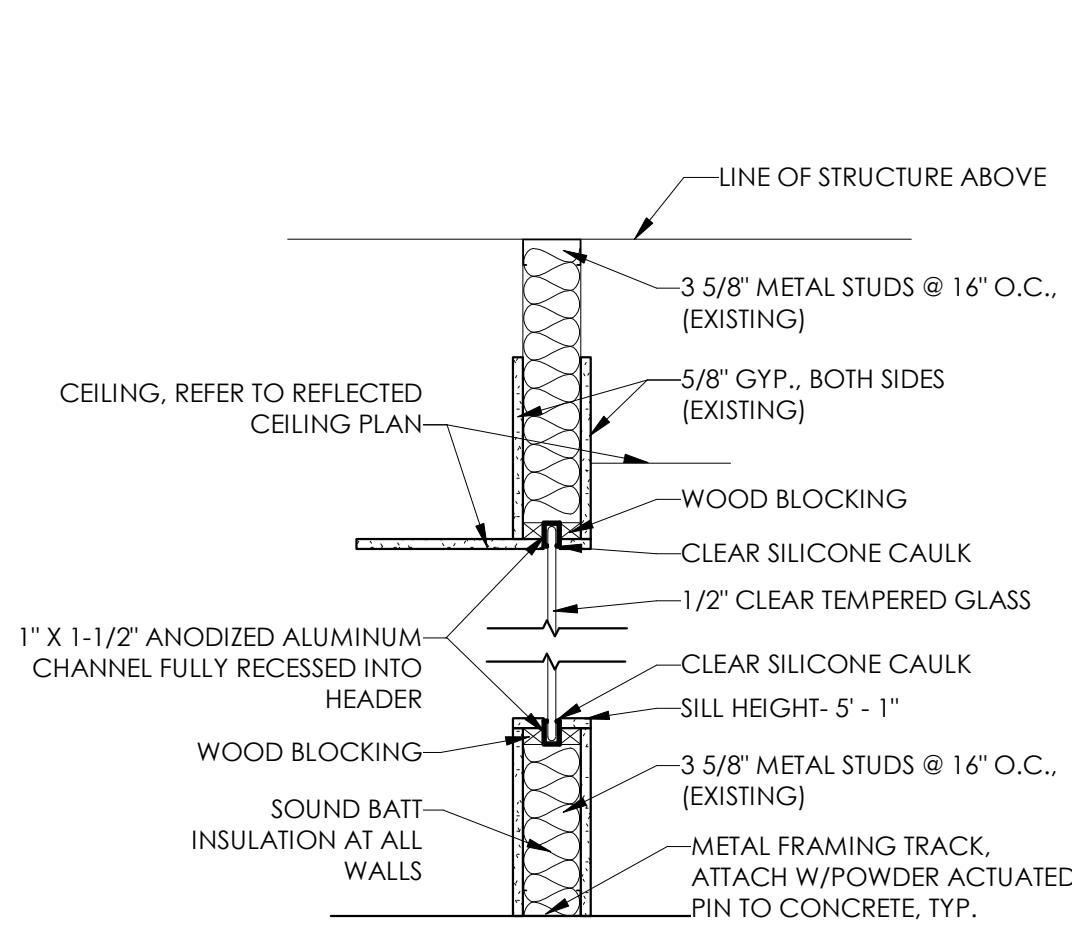
WALL TYPE 1
PROVIDE FIBER-CEMENT OR GLASS-MAT BOARD AT WET LOCATIONS



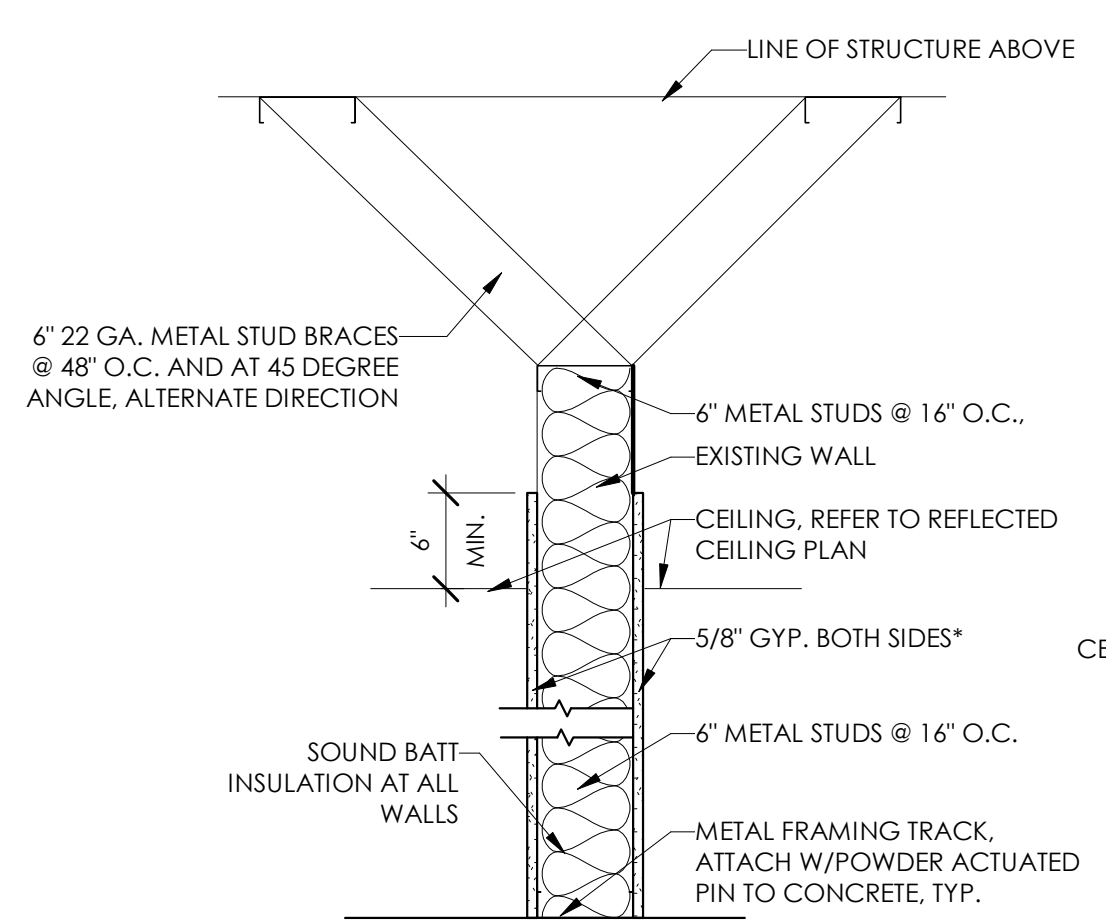
WALL TYPE 2



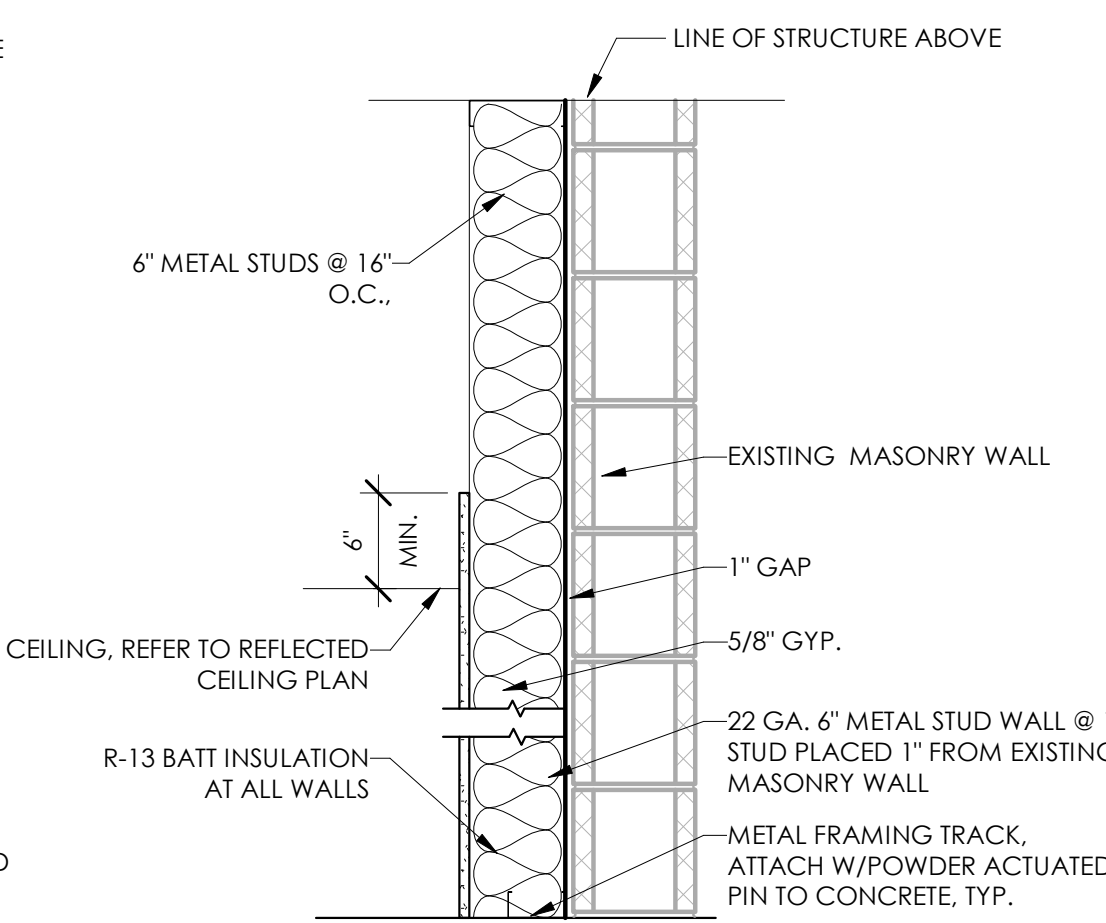
WALL TYPE 3



WALL TYPE 4



WALL TYPE 5
*GYP. ONLY ON INTERIOR ON FURRING WALLS



WALL TYPE 6

DEMOLITION NOTES

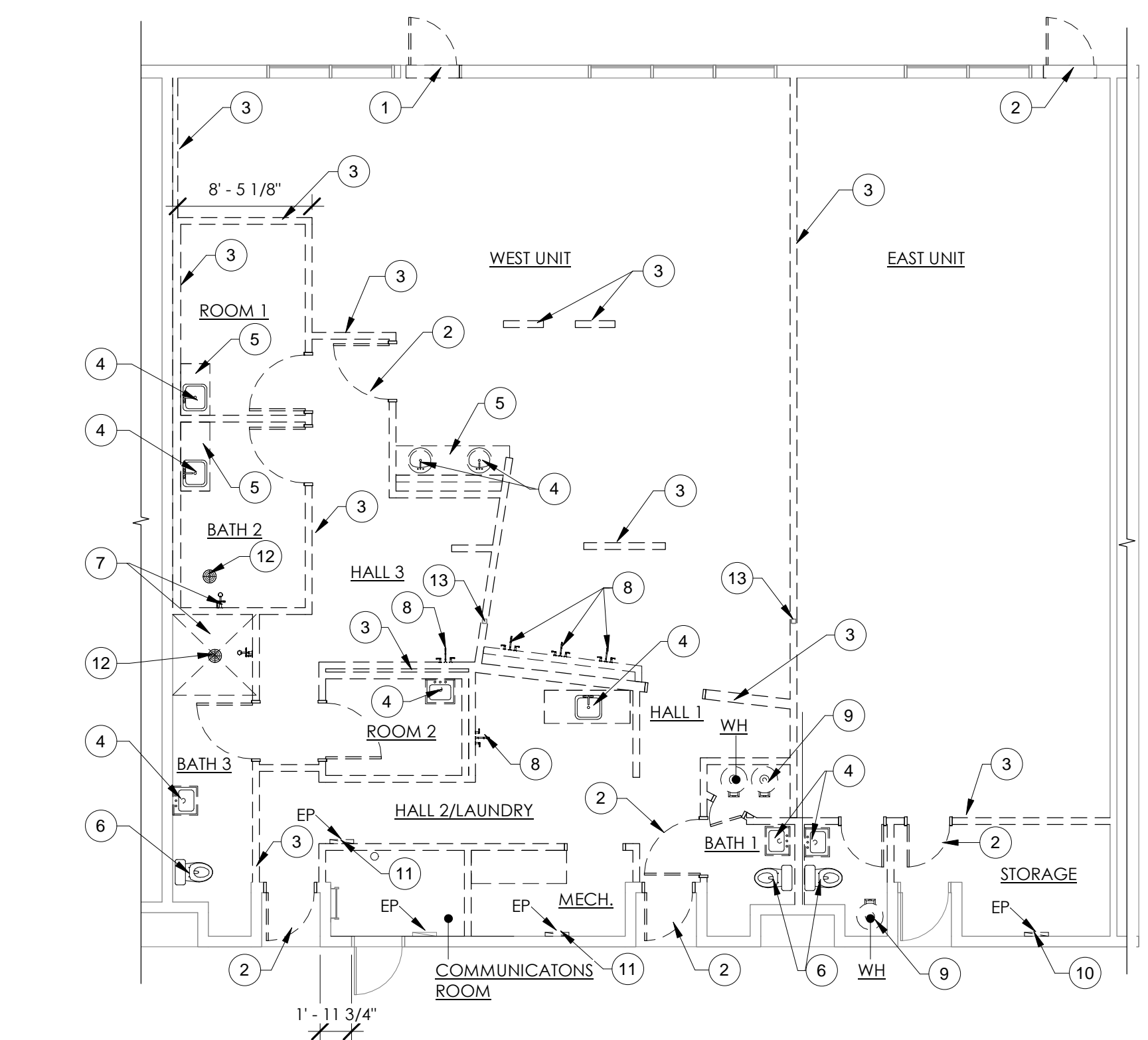
- 1 REMOVE EXISTING DOOR, FRAME, AND TRANSOM
- 2 REMOVE EXISTING DOORS & FRAMES, RETURN TO OWNER
- 3 REMOVE EXISTING WALL
- 4 REMOVE EXISTING SINK & FAUCET AND CAP DCW, DHW, SANITARY, AND VENT PIPES
- 5 REMOVE EXISTING COUNTER & SHELVING
- 6 REMOVE EXISTING TOILET AND CAP DCW, SANITARY, AND VENT PIPES
- 7 REMOVE EXISTING SHOWER TRIM KIT, SHOWER SURROUND, AND ALL BATH ACCESSORIES
- 8 REMOVE EXISTING WATER AND DRAIN STUB OUTS
- 9 REMOVE EXISTING WATER HEATER
- 10 REMOVE AND RE-LOCATE EXISTING POWER PANEL
- 11 REMOVE EXISTING POWER PANEL
- 12 REMOVE EXISTING DRAIN
- 13 EXISTING COLUMN TO REMAIN

GENERAL NOTES

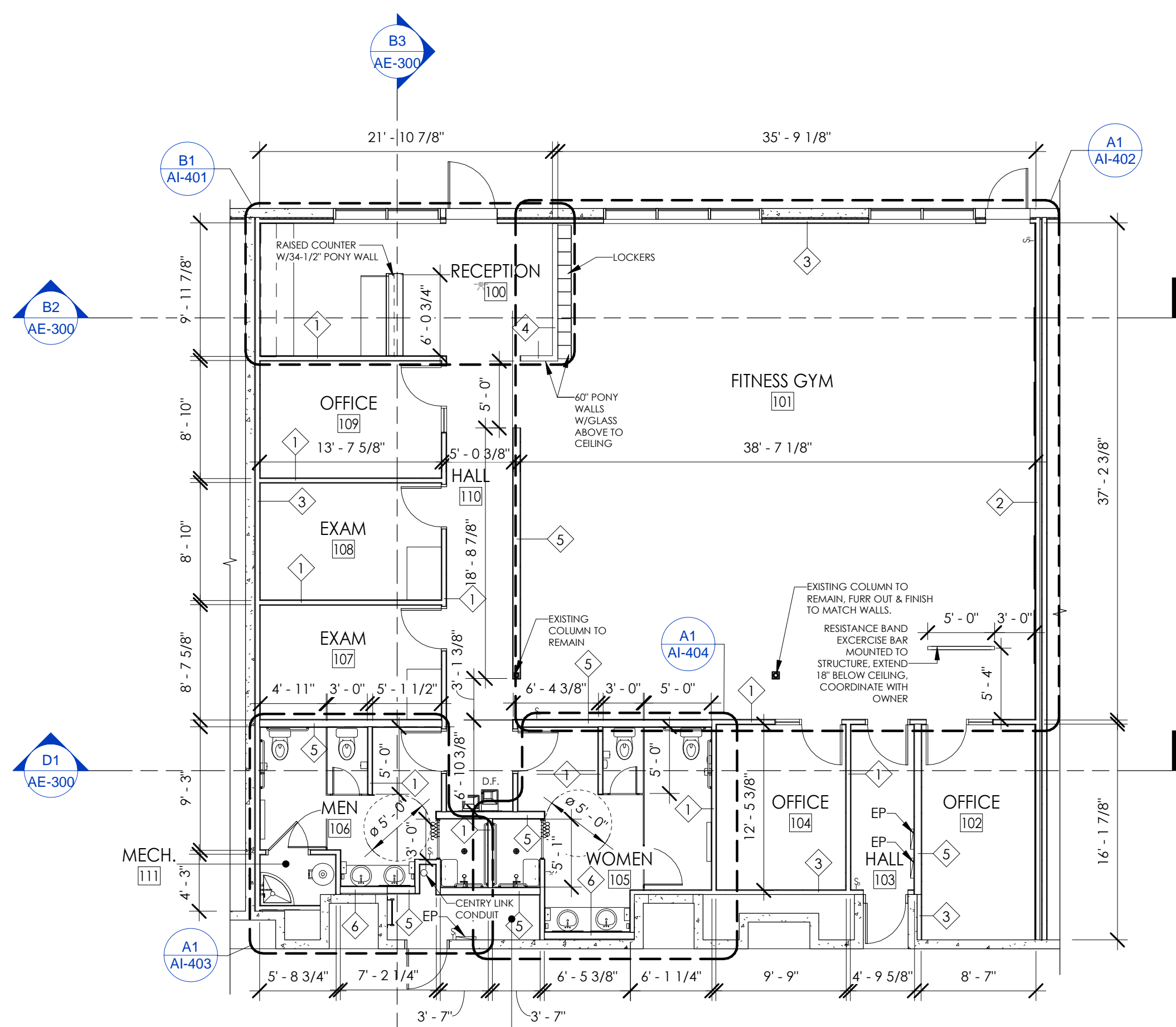
- A. ALL DIMENSIONS ARE TO ROUGH FRAMING, UNLESS OTHERWISE NOTED (U.N.O.)
- B. ALL INTERIOR WALLS TO BE 20 GA. 3-5/8\"/>

FLOOR PLAN LEGEND

- WALL TYPE MARKER, REFER TO SHEET AE-101 FOR WALL TYPES
- DETAIL MARKER
- DOOR MARKER
- EXTERIOR ELEVATION MARKER
- ROOM MARKER



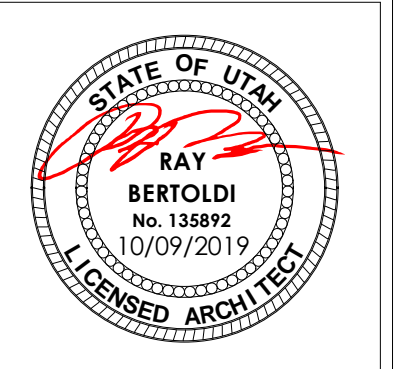
A1 DEMOLITION PLAN
1/8" = 1'-0"



A3 MAIN FLOOR PLAN
1/8" = 1'-0"

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REV.	DATE

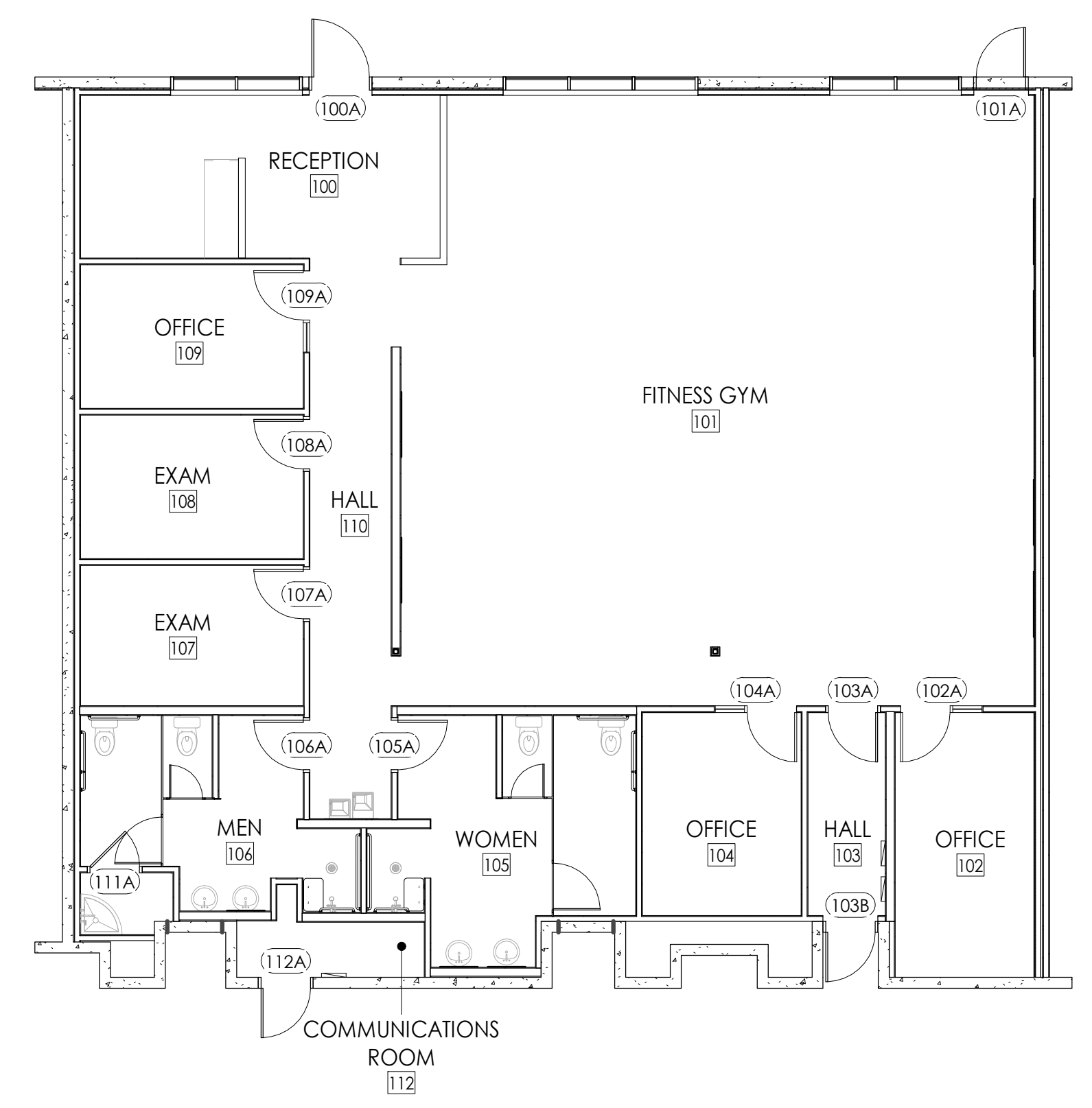
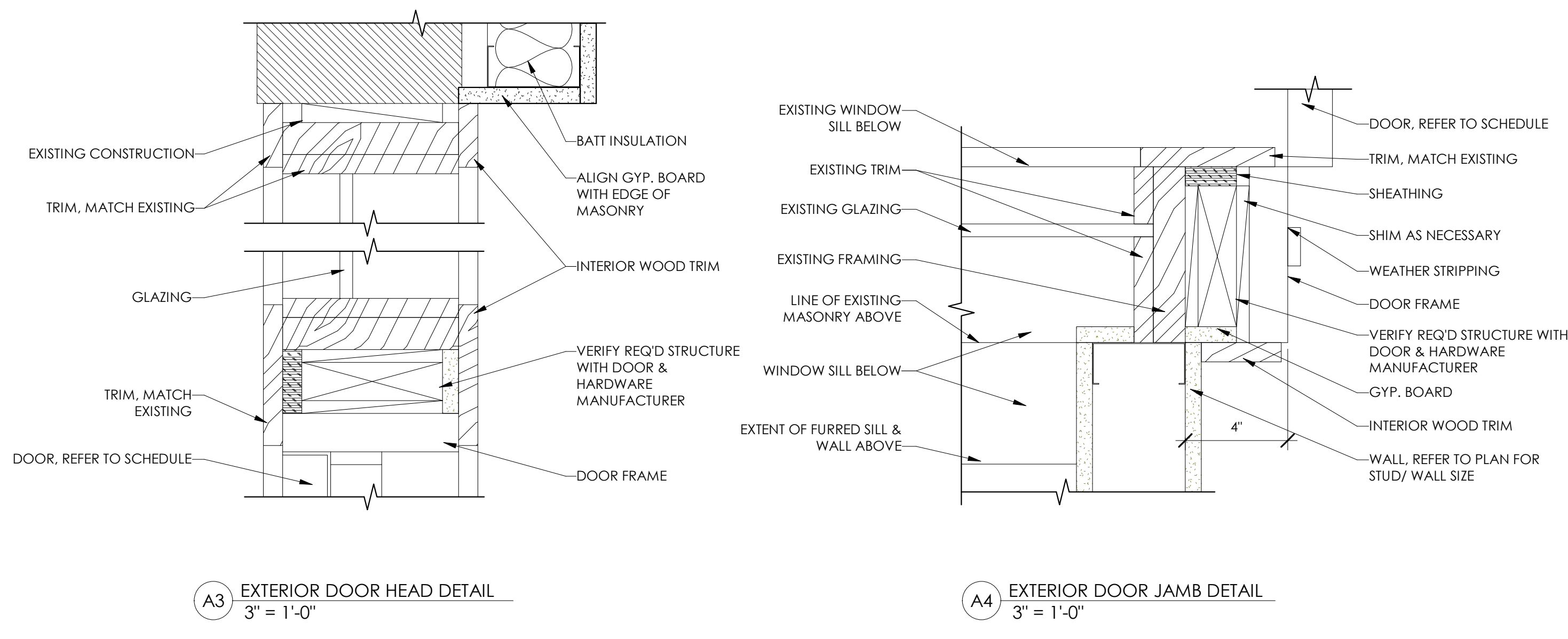
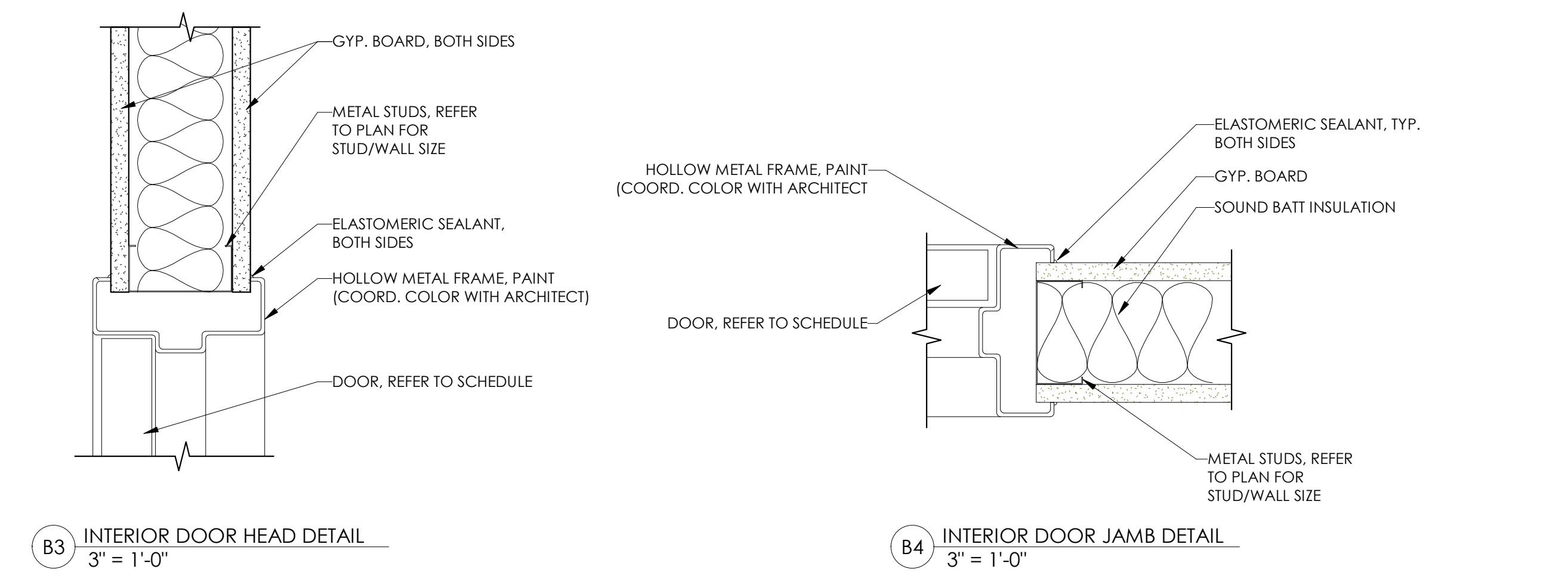
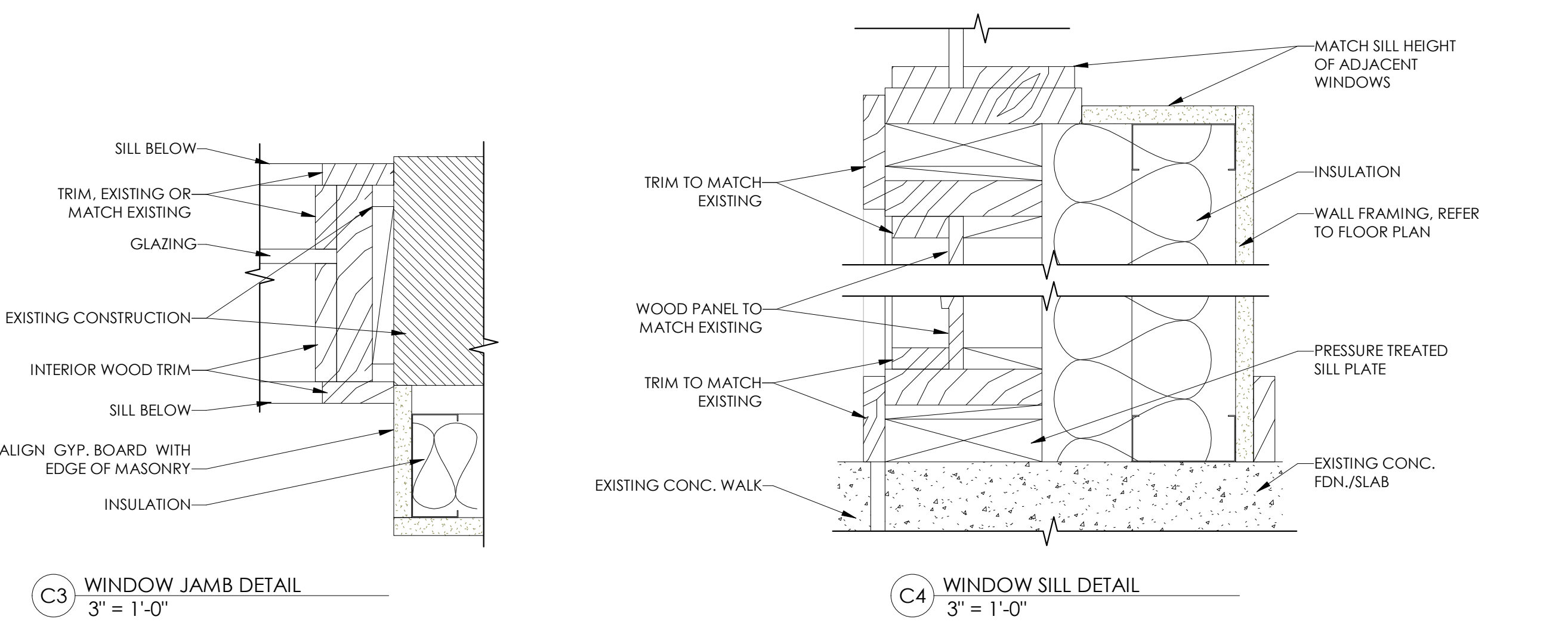
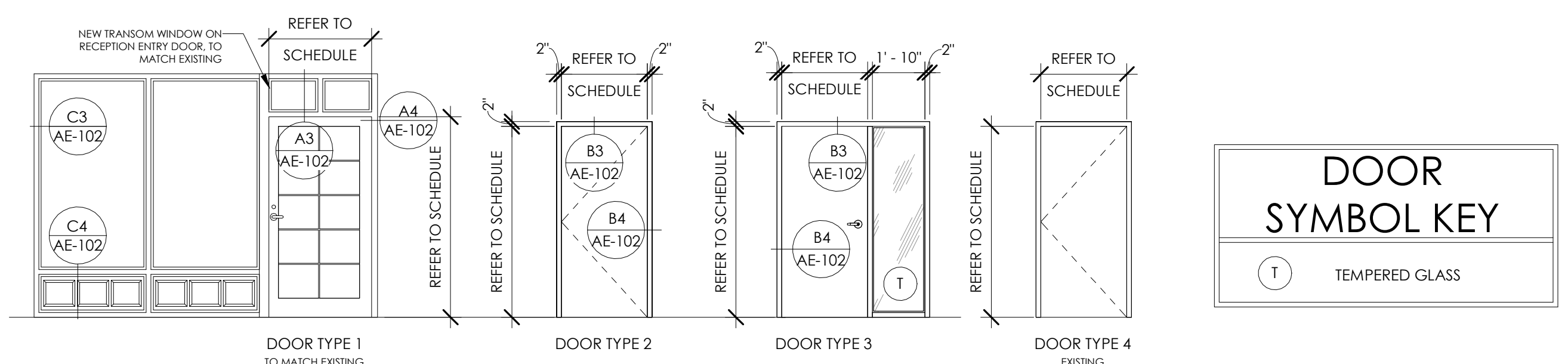
PROJECT # 1918
DATE: 10/09/19
TITLE: DEMOLITION PLAN, MAIN FLOOR PLAN, WALL TYPES

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SHEET: **AE-101**

DOOR SCHEDULE										
DOOR TAG	DOOR TYPE	ROOM	WIDTH	HEIGHT	DOOR		FRAME		HARDWARE GROUP	REMARKS
					MATERIAL	FINISH	MATERIAL	FINISH		
100A	1	RECEPTION	3' - 6"	7' - 0"	WOOD	STAIN	WOOD	STAIN	5	DOOR TO MATCH EXISTING EXTERIOR, CARD ACCESS & PANIC HARDWARE
101A	1	FITNESS GYM	3' - 0"	7' - 0"	WOOD	STAIN	WOOD	STAIN	6	DOOR TO MATCH EXISTING EXTERIOR, PANIC HARDWARE
102A	3	OFFICE	5' - 4"	7' - 0"	WOOD	STAIN	HM	PAINT	2	LOCKSET
103A	2	HALL	3' - 0"	7' - 0"	WOOD	STAIN	HM	PAINT	1	LOCKSET
103B	4	HALL	3' - 0"	7' - 0"	METAL	EXISTING	EXISTING	EXISTING	EXISTING	MAY HAVE TO CHANGE KEY FUNCTION/COORDINATE WITH OWNER
104A	3	OFFICE	5' - 4"	7' - 0"	WOOD	STAIN	HM	PAINT	2	LOCKSET
105A	2	WOMEN	3' - 0"	7' - 0"	WOOD	STAIN	HM	PAINT	3	PUSH PULL HARDWARE
106A	2	MEN	3' - 0"	7' - 0"	WOOD	STAIN	HM	PAINT	3	PUSH PULL HARDWARE
107A	2	EXAM	3' - 0"	7' - 0"	WOOD	STAIN	HM	PAINT	4	PASSAGE
108A	2	EXAM	3' - 0"	7' - 0"	WOOD	STAIN	HM	PAINT	4	PASSAGE
109A	3	OFFICE	5' - 4"	7' - 0"	WOOD	STAIN	HM	PAINT	2	LOCKSET
111A	2	MECH.	3' - 0"	7' - 0"	WOOD	STAIN	HM	PAINT	1	LOCKSET
112A	4	COMMUNICATIONS ROOM	3' - 0"	7' - 0"	METAL	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING

*REFER TO DOORS & FRAME NOTES ON THIS PAGE FOR MANUFACTURER'S REQUIREMENTS.



DOOR NOTES

1. REFER TO DEMOLITION PLAN FOR EXISTING DOORS & WINDOWS THAT ARE TO BE REMOVED/SALVAGED.
2. NEW WINDOWS ARE TO MATCH ADJACENT WINDOWS IN STYLE, HEIGHT AND COLOR.
3. CARD ACCESS BY OWNER.

DOOR & FRAMES

1. HOLLOW METAL FRAMES: STEEL CRAFT 16 GA. WITH WELDED CORNERS.
2. DOORS: MARSHFIELD; ROTARY CUT NATURAL BIRCH SPLY PARTICLE CORE DOORS STAINED FACTORY FINISH.
3. THRESHOLD: WHERE APPLIES

HARDWARE SCHEDULE

The following schedule is furnished for whatever assistance it may afford the Contractor; do not consider it as entirely inclusive. Should any particular door or item be omitted in any scheduled hardware heading, provide door or item with hardware same as required for similar purposes. Hardware supplier is responsible for handling and sizing all products as listed in the hardware heading. Quantities listed are for each pair of doors, or for each single door.

Contractor to provide submittals in electronic format for Architect's review.

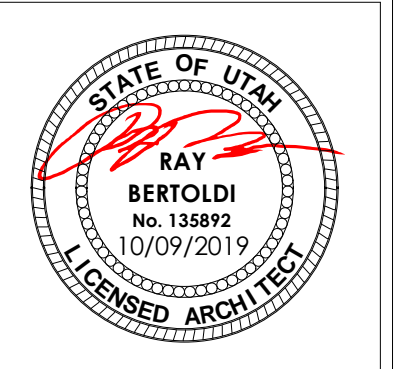
Manufacturer's Abbreviations:

1. Storeroom L9080R 17B C125 Keyway, 626
2. Office L9050R 17B C125 Keyway, 626
3. Restroom Pull Handle and Pull Plate-Hager 33G 3.5"x1.5" US32D, Restroom Push Plate-Hager 30S 3.5"x1.5" US32D.
4. Passage L9010 17B 626
5. Lockset L9453R 17B C125 Keyway with Card Access and Panic Hardware
6. Lockset L9453R 17B C125 Keyway and Panic Hardware

- Locksets - Schlage Mortise Hinges - McKinney TA2714 26D Wall Stop - Hager 236W US26D Electric Strike - SDC 55-CU 630 Overhead Stop - Glynn-Johnson 450 series Silencers - No preference Closers - LCN 4010 Pull side 4111 EDA Push side AL Kick plates - No preference Smoke Seal - Pemko S88D

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REV.	DATE
PROJECT #	1918
DATE:	10/09/19
TITLE:	OPENINGS & DETAILS

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SHEET:
AE-102

GENERAL NOTES

- A. CEILING HEIGHTS ARE APPROXIMATE. REFER TO BUILDING SECTIONS FOR STRUCTURE BEARING HEIGHTS.
- B. NOTED CEILING HEIGHTS ARE FROM DESIGNATED FINISH FLOOR ELEVATIONS.
- C. PROVIDE SMOKE/FIRE ALARMS PER IBC.
- D. ALL CEILINGS ARE TO BE SEISMICALLY BRACED. A MINIMUM OF ONE BRACE REQUIRED IN ANY SPACE OF 1000 S.F. OR LARGER.
- E. COORDINATE MOUNTING HEIGHT OF ALL DECORATIVE LIGHTING WITH ARCHITECT BEFORE INSTALLATION.

LEGEND

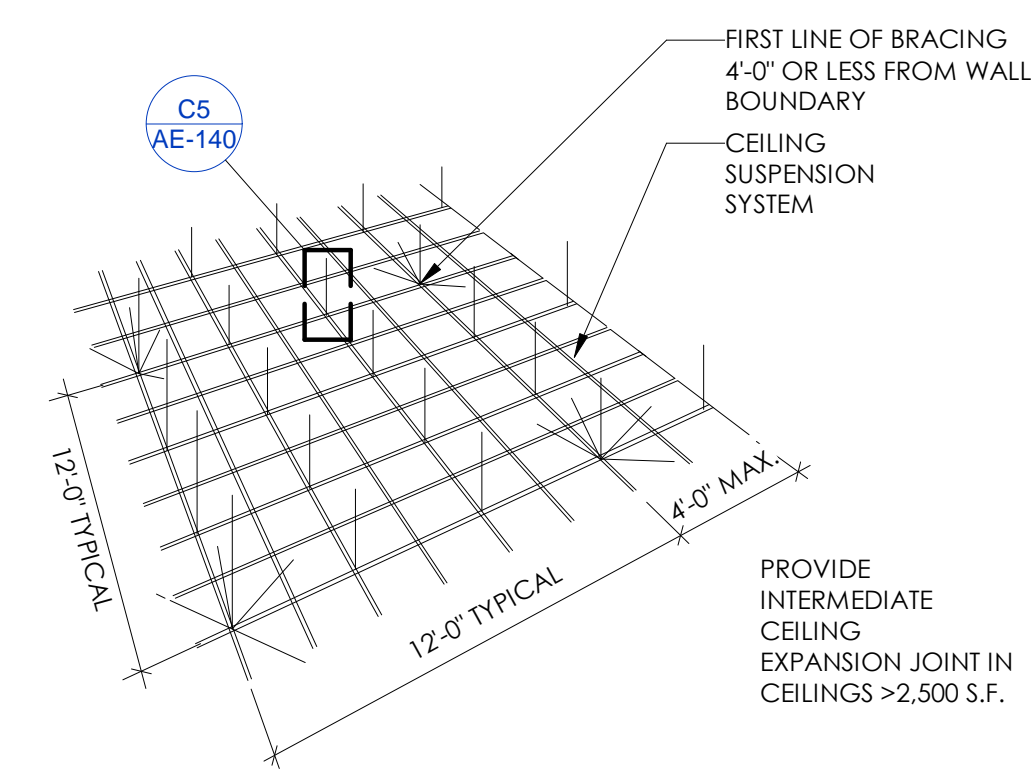


CEILING TYPES

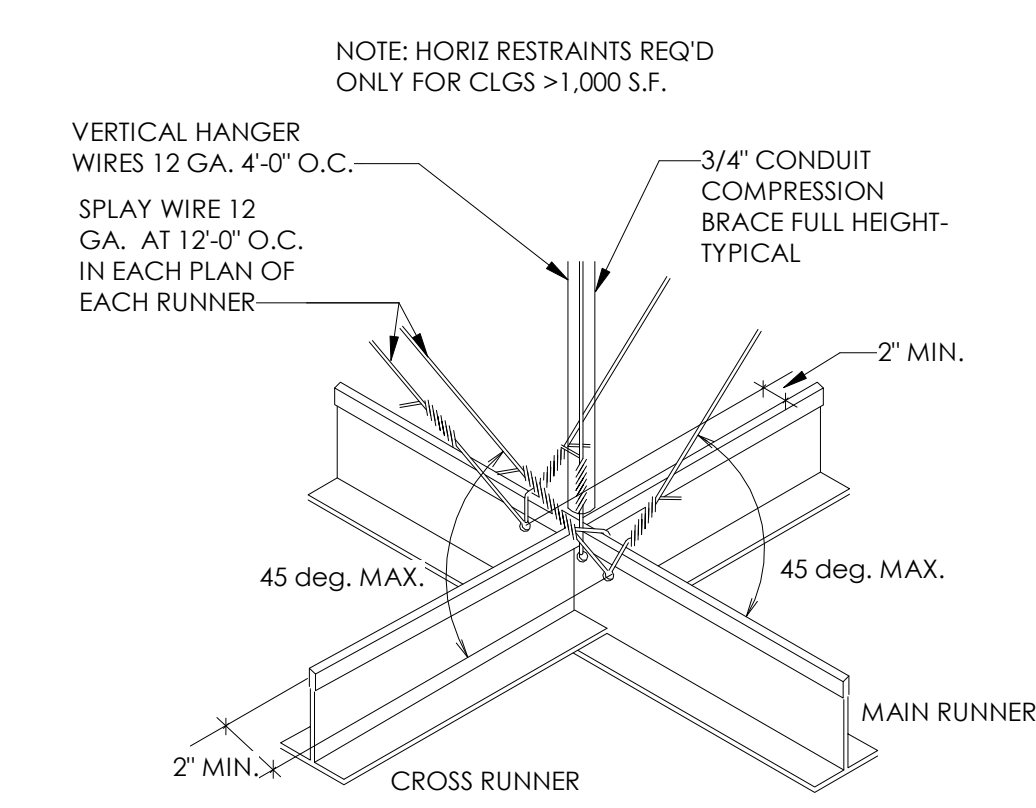
- 1. PAINTED 5/8" SUSPENDED GYPSUM BOARD CEILING
- 2. 2X2 ACT SYSTEM, SUSPENDED CEILING GRID
- 3. OPEN TO STRUCTURE

SYMBOL KEY

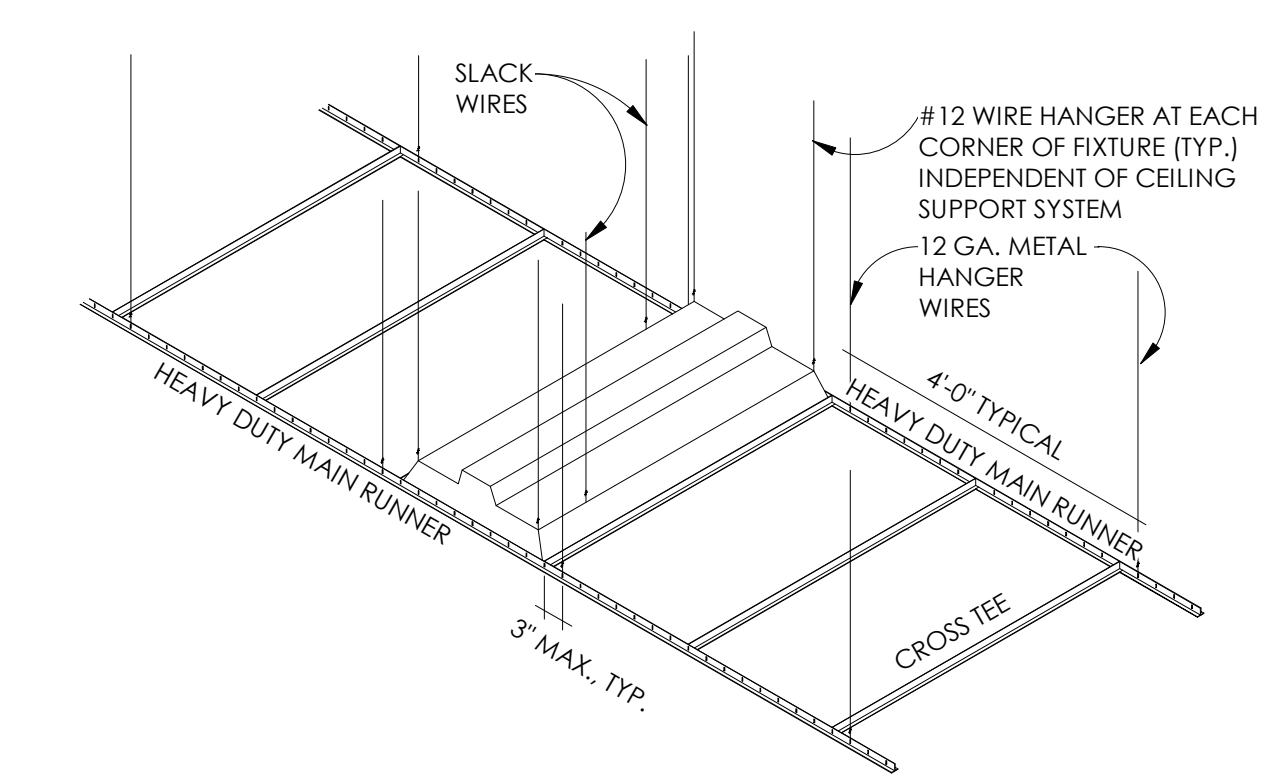
- 1'x4' RECESSED LED FIXTURE
- 1'x4' RECESSED LED FIXTURE
- 2'x2' RECESSED LED FIXTURE
- 2'x2' RECESSED LED FIXTURE
- RETURN
- DIFFUSER
- LED VANITY LIGHT
- RECESSED CAN LIGHT FIXTURE
- OCCUPANCY SENSOR, DUAL TECHNOLOGY, OMNI-DIRECTIONAL, CEILING.
- DIMMER SWITCH/VACANCY SENSOR COMBO, DUAL TECHNOLOGY, WALL.
- OCCUPANCY SENSOR, DUAL TECHNOLOGY, OMNI-DIRECTIONAL, CEILING.
- DIMMER SWITCH/OCCUPANCY SENSOR COMBO, DUAL TECHNOLOGY, WALL.
- EXIT SIGN, DOUBLE FACE, CEILING MOUNTED



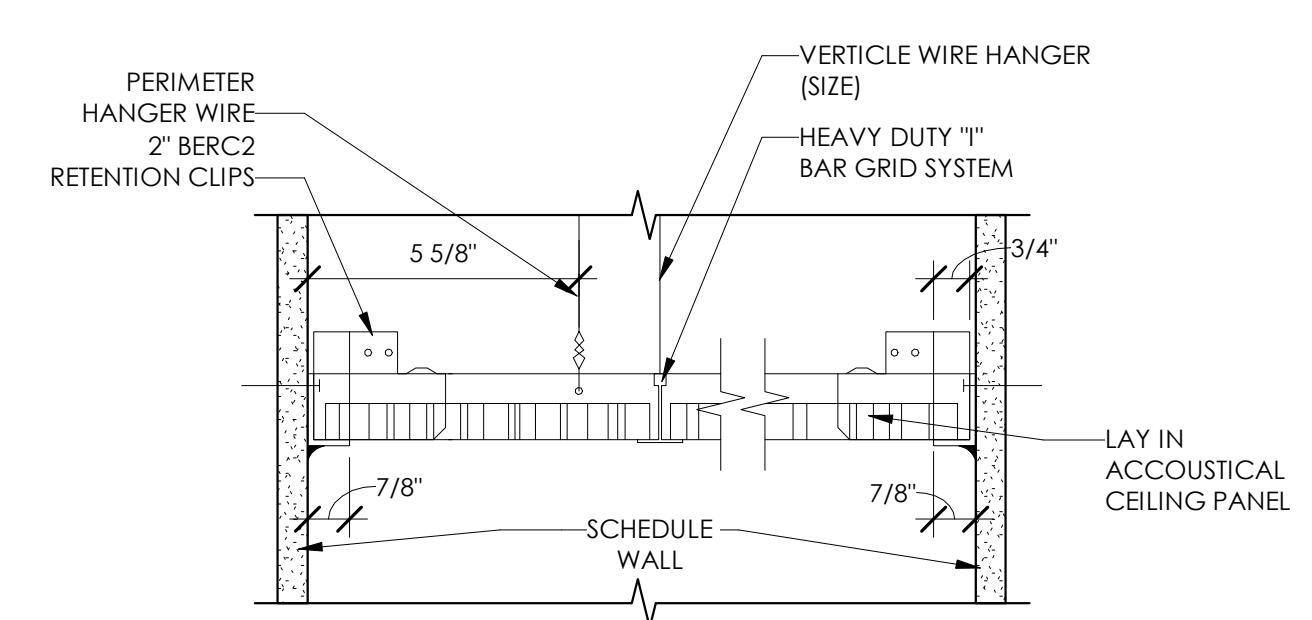
D5 SEISMIC BRACING DETAIL 1
12" = 1'-0"



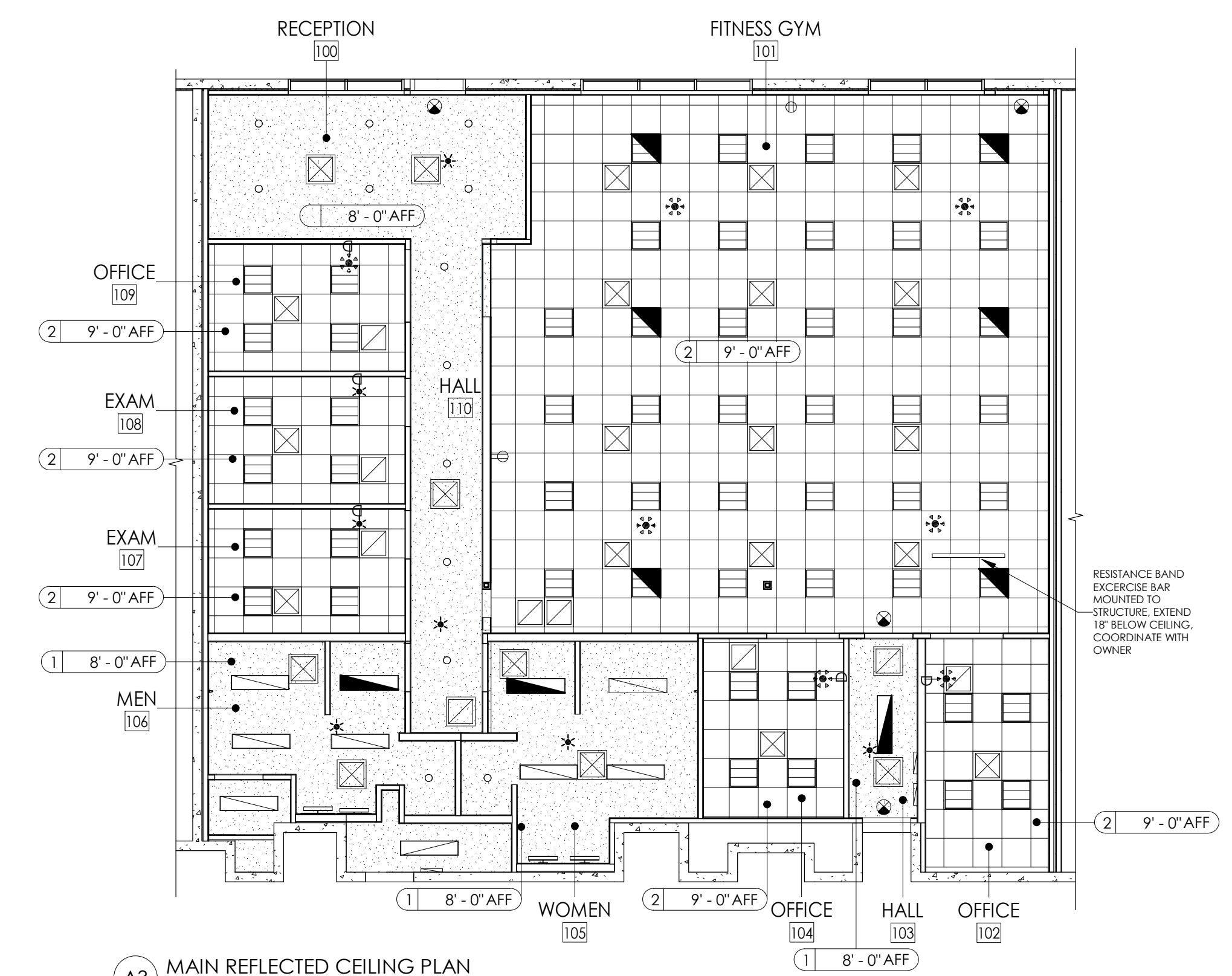
C5 SEISMIC BRACING DETAIL
12" = 1'-0"



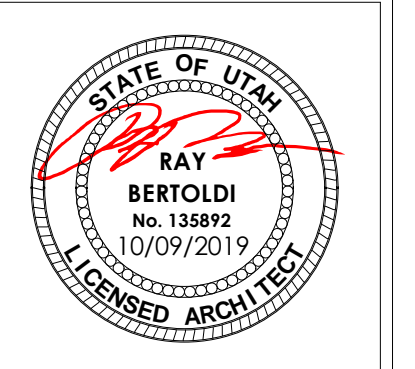
B5 TYP FIXTURE SUPPORT ISO
1/64" = 1'-0"



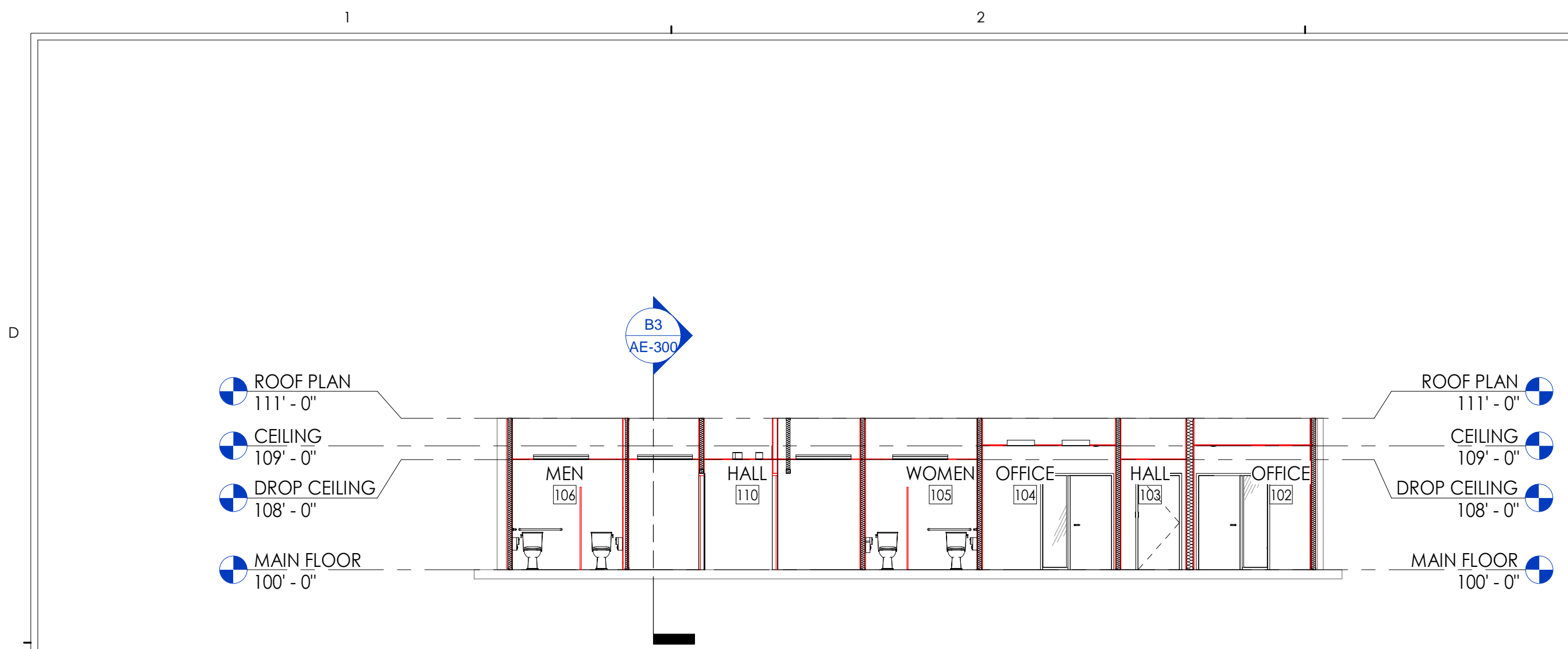
A5 TYP. CEILING DETAIL - CLIP ANGLE
3" = 1'-0"



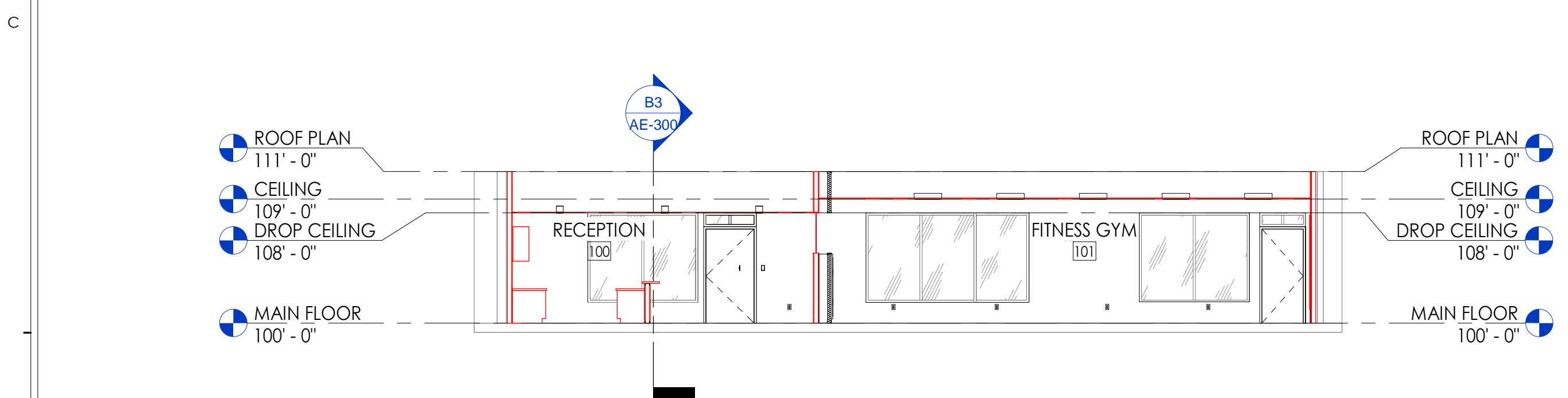
A3 MAIN REFLECTED CEILING PLAN
1/8" = 1'-0"



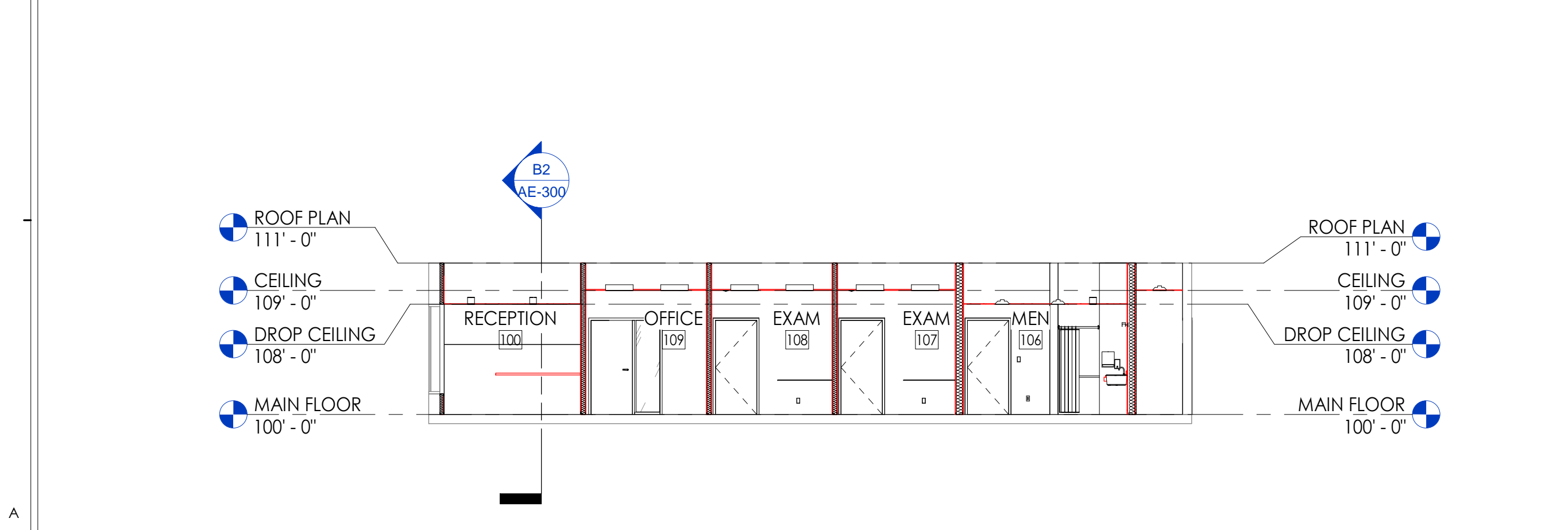
REV.	DATE
PROJECT #	1918
DATE:	10/09/19
TITLE:	REFLECTED CEILING PLAN



D1 BUILDING SECTION
1/8" = 1'-0"



B2 BUILDING SECTION
1/8" = 1'-0"



B3 BUILDING SECTION
1/8" = 1'-0"

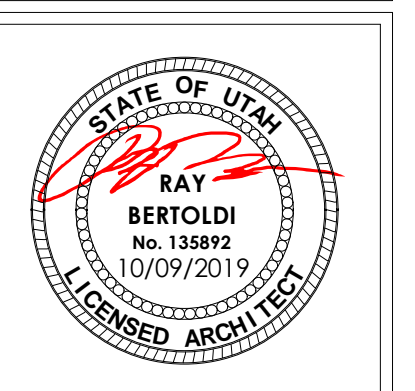
GENERAL NOTES

- A. REFER TO STRUCTURAL DRAWINGS FOR FOOTING AND FOUNDATION SIZES.
- B. PROVIDE FLASHING AND COUNTERFLASHING FOR ALL WINDOWS, DOORS, AND PENETRATIONS TO ROOF AND WALLS.
- C. FIELD VERIFY ALL WINDOW AND DOOR OPENINGS.
- D. PROVIDE FOUNDATION WATERPROOFING AT ALL CONCRETE BELOW GRADE.
- E. REFER TO OPENING SCHEDULE FOR DOOR AND WINDOW REQUIREMENTS.
- F. REFER TO GRADING PLAN FOR FINISH GRADE ELEVATION.
- G. PROVIDE MOCK-UP OF ALL EXTERIOR FINISHES PRIOR TO INSTALLATIONS FOR ARCHITECTS APPROVAL. FINISHES ARE NOT TO BE INSTALLED WITHOUT APPROVAL.

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KEYED NOTES -...

**MCKAY-DEE
LIVE WELL CENTER**
4421 HARRISON BLVD, SUITE #A6, OGDEN, UT 84403



REV.	DATE
PROJECT #	1918
DATE:	10/09/19
TITLE:	BUILDING SECTIONS

ANY CHANGES OR MODIFICATIONS TO THE DESIGN OF THE PROJECT IS TO BE PRESENTED TO THE ARCHITECT FOR REVIEW AND APPROVAL. CONTRACTORS ARE TO BE FAMILIAR WITH ALL PORTIONS OF THE WORK. IT IS TO BE NOTED THAT SUBCONTRACTORS WORK IS NOT LIMITED TO SPECIFIC SHEETS AND THAT ALL OF THE DRAWINGS MAY BE PART OF THEIR SCOPE OF WORK AND/OR COORDINATION.

SHEET:
AE-300



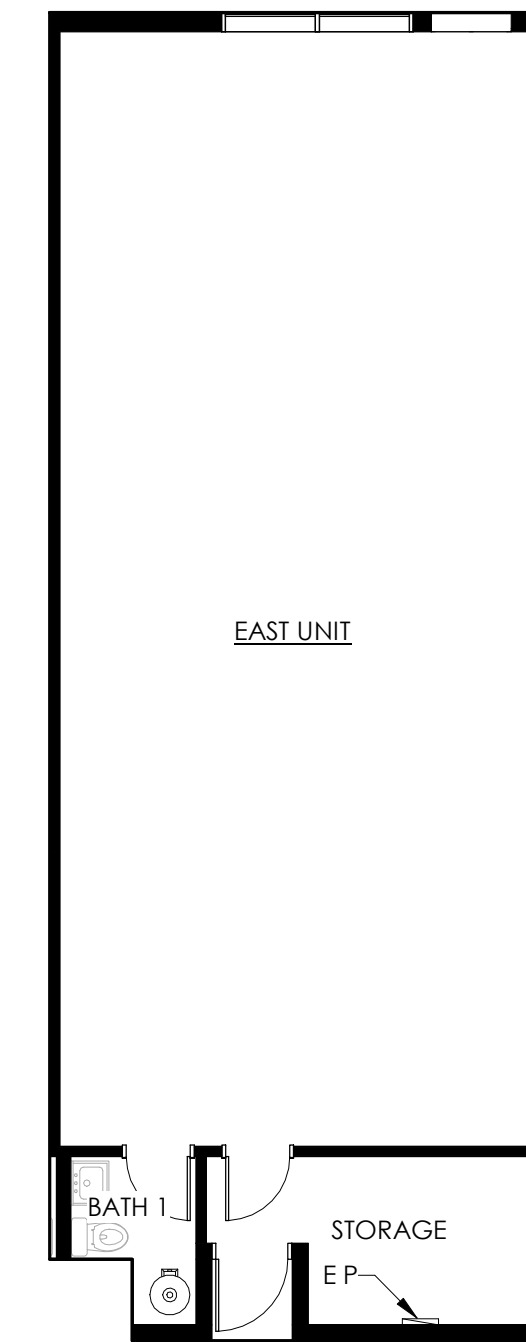
EAST UNIT-MAIN ROOM



EAST UNIT-BATH 1

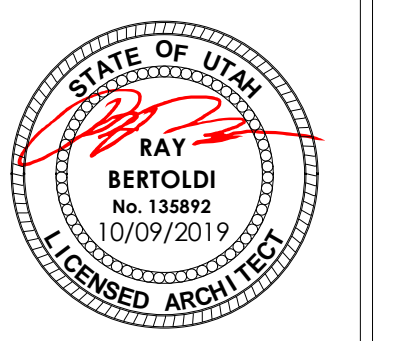


EAST UNIT-STORAGE



EXISTING FLOOR PLAN -EAST UNIT

*THIS SHEET FOR REFERENCE ONLY



REV.	DATE
PROJECT #	1918
DATE:	10/09/19
TITLE:	EAST UNIT EXISTING PHOTOS

ANY CHANGES OR MODIFICATIONS TO THE DESIGN OF THE PROJECT IS TO BE PRESENTED TO THE ARCHITECT FOR REVIEW AND APPROVAL. CONTRACTORS ARE TO BE FAMILIAR WITH ALL PORTIONS OF THE WORK. IT IS TO BE NOTED THAT SUBCONTRACTORS WORK IS NOT LIMITED TO SPECIFIC SHEETS AND THAT ALL OF THE DRAWINGS MAY BE PART OF THEIR SCOPE OF WORK AND/OR COORDINATION.

SHEET:
AEP-102



WEST UNIT-MAIN ROOM



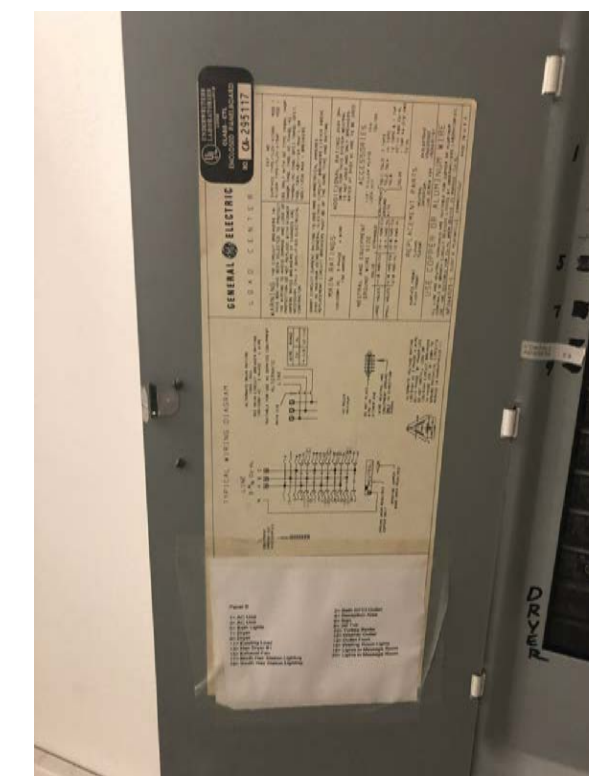
WEST UNIT-HALL 1



WEST UNIT-BATH 1/WH



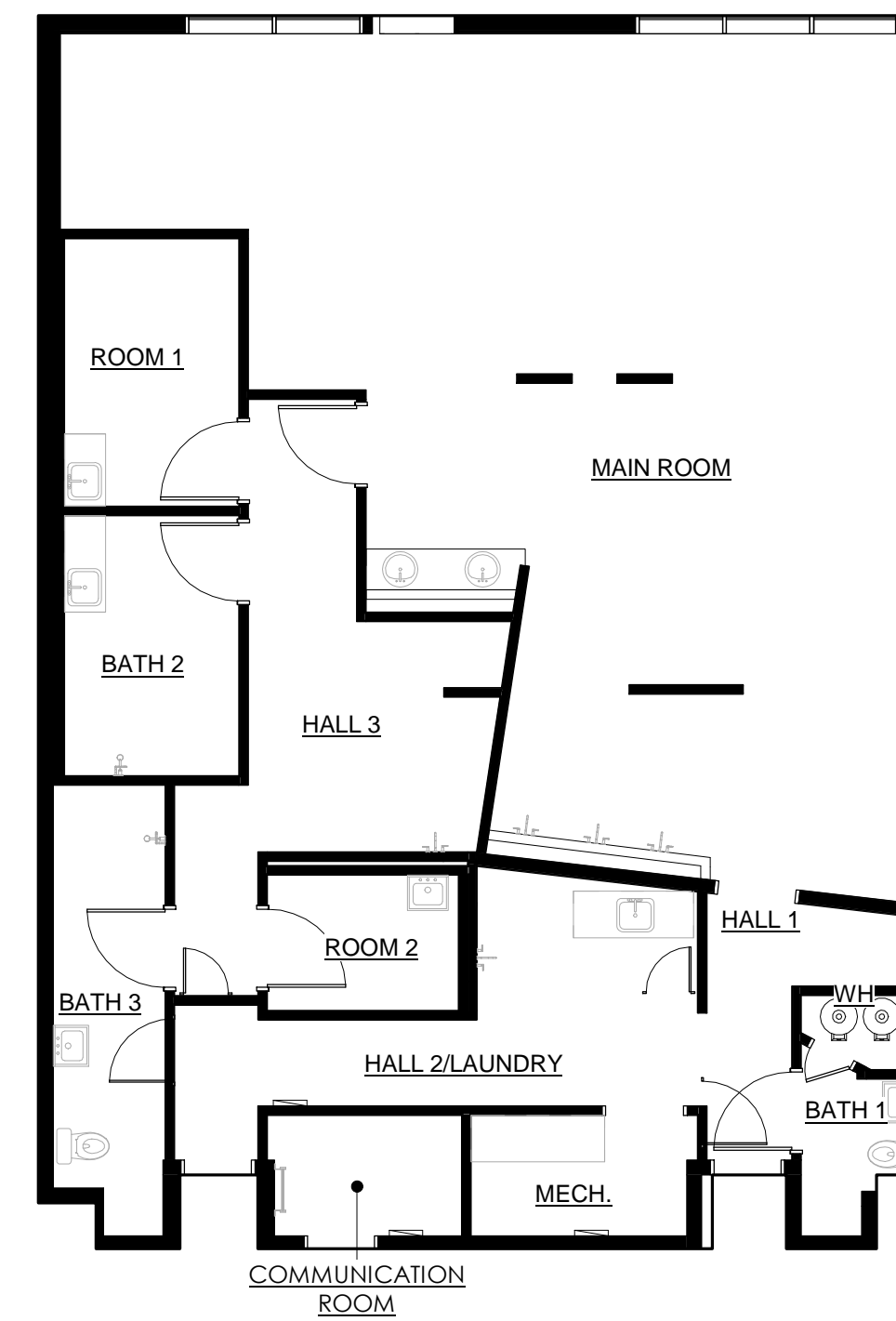
WEST UNIT-HALL 2/LAUNDRY



WEST UNIT-HALL 2/LAUNDRY



WEST UNIT-MECH.



EXISTING FLOOR PLAN - WEST UNIT

*THIS SHEET FOR REFERENCE ONLY

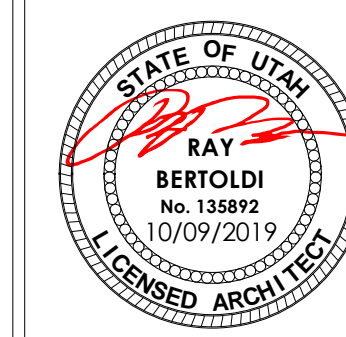


Table with columns for REV. and DATE. Includes project information: PROJECT # 1918, DATE 10/09/19, TITLE WEST UNIT EXISTING PHOTOS.

SHEET:

ANY CHANGES OR MODIFICATIONS TO THE DESIGN OF THE PROJECT IS TO BE PRESENTED TO THE ARCHITECT FOR REVIEW AND APPROVAL. CONTRACTORS ARE TO BE FAMILIAR WITH ALL PORTIONS OF THE WORK. IT IS TO BE NOTED THAT SUBCONTRACTORS WORK IS NOT LIMITED TO SPECIFIC SHEETS AND THAT ALL OF THE DRAWINGS MAY BE PART OF THEIR SCOPE OF WORK AND/OR COORDINATION.



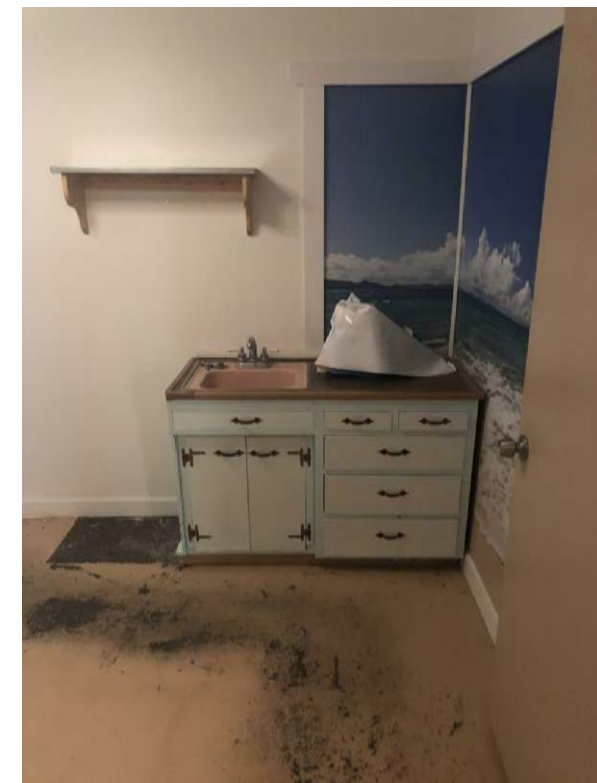
WEST UNIT-HALL 1



WEST UNIT-ROOM 1



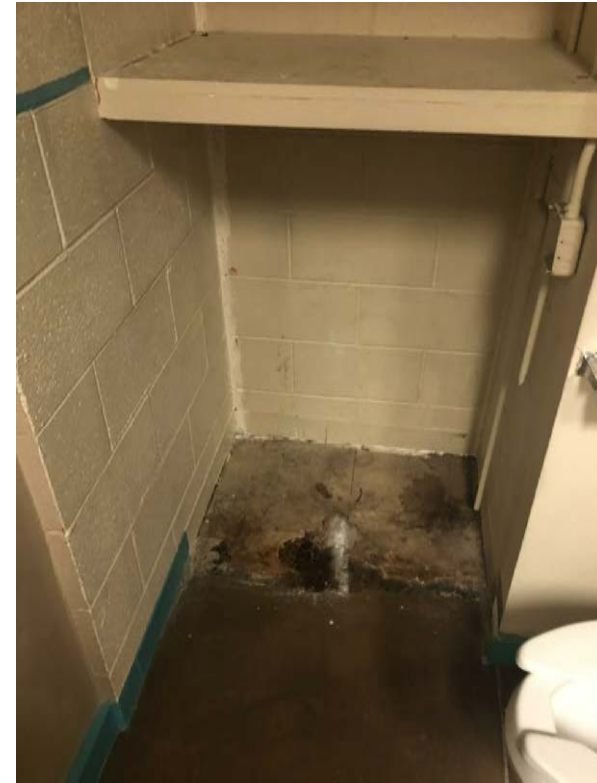
WEST UNIT-ROOM 2



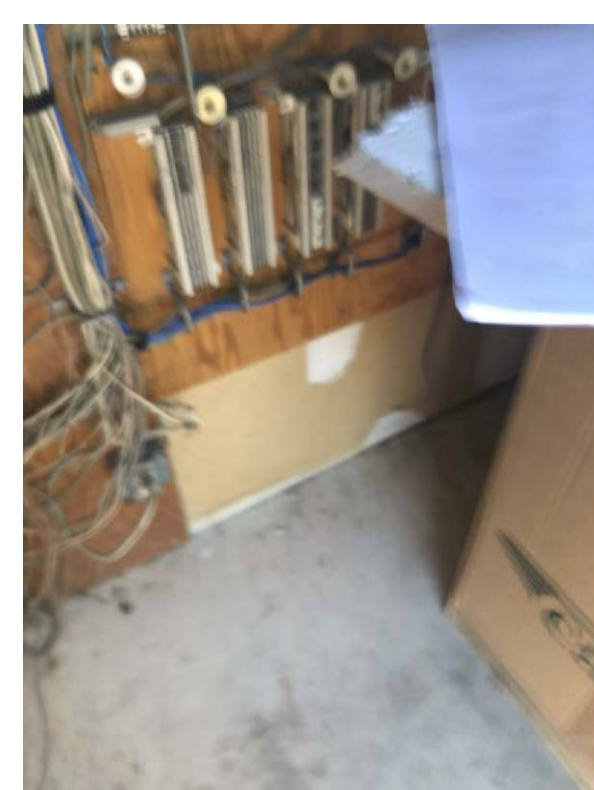
WEST UNIT-BATH 2



WEST UNIT-BATH 3



WEST UNIT-COMMUNICATION ROOM



CENTRY LINK CONDUIT TO STAY

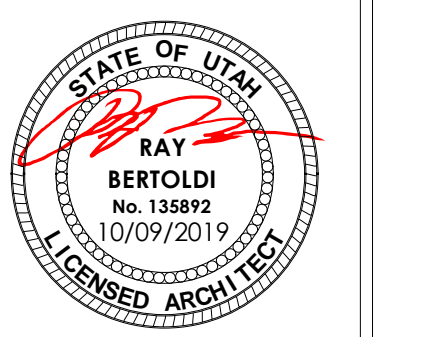


Table with project information: PROJECT # 1918, DATE 10/09/19, TITLE WEST UNIT EXISTING PHOTOS

ANY CHANGES OR MODIFICATIONS TO THE DESIGN OF THE PROJECT IS TO BE PRESENTED TO THE ARCHITECT FOR REVIEW AND APPROVAL. CONTRACTORS ARE TO BE FAMILIAR WITH ALL PORTIONS OF THE WORK. IT IS TO BE NOTED THAT SUBCONTRACTORS WORK IS NOT LIMITED TO SPECIFIC SHEETS AND THAT ALL OF THE DRAWINGS MAY BE PART OF THEIR SCOPE OF WORK AND/OR COORDINATION.

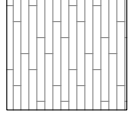
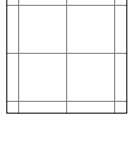
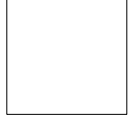
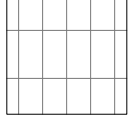
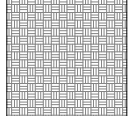
*THIS SHEET FOR REFERENCE ONLY

MAIN FLOOR FINISH KEY						RECEPTION 100	FITNESS GYM 101	OFFICE 102	HALL 103	OFFICE 104	WOMEN 105	MEN 106	EXAM 107	EXAM 108	OFFICE 109	HALL 110
MARK	IMG	DESCRIPTION	MANUFACTURER	SPECIFICATION	NOTES											
CEILING																
C1		2'X4' GRID			COORDINATE W/ARCHITECT		X	X								
C2		PAINTED GYP	SHERWIN WILLIAMS	SW7005 PURE WHITE	REFER TO REFLECTED CEILING PLAN	X			X							X
COUNTERTOP																
CT1		QUARTZ COUNTERTOP	CAMBRIA	QUARTZ DESERT COLLECTION, COLOR: WHITE CLIFF		X										
CT2		SOLID SURFACE COUNTERTOP	DUPONT	CORIAN, NEUTRAL CONCRETE							X	X				
CT3		SOLID SURFACE COUNTERTOP	DUPONT	CORIAN, WHITE JASMINE W/EASED EDGE									X	X		
FLOORING																
B1		RUBBER BASE	ROPPE	ROPPE, BLACK 4" STANDARD TOE BASE, COLOR: BLACK		X	X	X	X	X			X	X	X	X
F1		LUXURY VINYL TILE	MANNINGTON COMMERCIAL	WALKWAY 20 W116 COLOR: TOBACCO IPE 20 MIL LVT		X		X	X	X			X	X	X	X
F2		RUBBER FLOORING	MANNINGTON COMMERCIAL	COLLECTION: RESET, COLOR: BEIGE TONES 824 18X18 SQUARE EDGE TILES			X									
F3		FLOOR TILE	CROSSVILLE	NOTORIOUS FEMME FATAL NTR01 W/HON FINISH, SIZE: 12X24, GROUT: MAPEI 01 ALABASTER GROUT WIDTH: 1/8"							X	X				
F4		SHOWER FLOOR TILE		CROSSVILLE NOTORIOUS FEMME FATALE NTR01 W/HON FINISH, SIZE: 12X12 MOSIAC, GROUT: MAPEI 01 ALABASTER GROUT WIDTH: 1/8"							X	X				
F5		SCHLUTER REDUCER	SCHLUTER	AU100ATGB RENO-U REDUCER 3/8" ALUM BRUSH NICKEL			X									
MILLWORK																
CAB1		BUILT-IN CABINETS	INTERIOR ENVIRONMENTS	PLAIN SLICED MAPLE, FINISH: BECKER ACROMA, DMS315-00XX, UNICLEAR SP/SATIN FINISH	REFER TO INTERIOR ELEVATIONS	X										
WALL																
W1		PAINTED GYP.	SHERWIN WILLIAMS	SW7005 PURE WHITE	REFER TO PAINT PLAN	X	X	X	X	X	X	X	X	X	X	X
W2		PAINTED GYP.	SHERWIN WILLIAMS	SW6230 RAINSTORM	REFER TO PAINT PLAN	X	X									X
W3		ACCENT PAINT	SHERWIN WILLIAMS	SW 6243 DISTANCE				X		X			X	X	X	X
W4		WALL TILE	CROSSVILLE	NOTORIOUS FEMME FATAL NTR01 W/HON FINISH, SIZE: 12X24, GROUT: MAPEI 01 ALABASTER GROUT WIDTH: 1/8"	REFER TO INTERIOR ELEVATIONS						X	X				
W5		ACCENT TILE	CROSSVILLE	NOTORIOUS FILM NOIR NTR06 W/HON FINISH, SIZE: 12X12 MOSIAC, GROUT: MAPEI 01 ALABASTER GROUT WIDTH: 1/8"	REFER TO INTERIOR ELEVATIONS						X	X				
W6		WALL TILE	CROSSVILLE	NOTORIOUS FEMME FATALE NTR01 W/HON FINISH, SIZE: 6X12 COVE BASE, GROUT: MAPEI 01 ALABASTER GROUT WIDTH: 1/8"	REFER TO INTERIOR ELEVATIONS						X	X				
W7		WALL TILE	CROSSVILLE	SCHLUTER QUADEC - EDGING PROFILE - FOR 1/2" THICK TILE - 8' 2-1/2" LENGTH - SATIN NICKEL ANODIZED ALUMINUM	REFER TO INTERIOR ELEVATIONS						X	X				
W8		WALL MOUNTED MIRROR			SEE ELEVATIONS FOR LOCATIONS AND DIMENSIONS.	X					X	X				

GENERAL NOTES

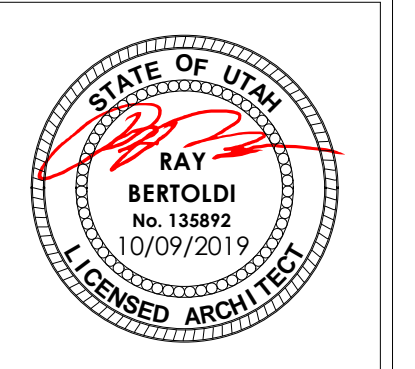
- A. ALL DIMENSIONS ARE TO ROUGH FRAMING UNLESS OTHERWISE NOTED (U.N.O.)
- B. VERIFY ALL FINISHES, FIXTURES AND EQUIPMENT WITH ARCHITECT.
- C. PROVIDE FIBER-CEMENT OR GLASS-MAT BOARD AT WET LOCATIONS. GREEN BOARD IS NOT PERMITTED.
- D. PROVIDE SOLID BLOCKING AS REQUIRED FOR CABINETS, FIXTURES EQUIPMENT AND ACCESSORIES AS REQUIRED BY EACH COMPONENT'S MANUFACTURER, INCLUDING OWNER'S ACCESSORIES AND EQUIPMENT.
- E. ALL INTERIOR WALLS TO BE 3-5/8" METAL STUDS U.O.N. WITH 5/8" GWB ON BOTH SIDES U.O.N.
- F. ALL INTERIOR DOORS TO BE INSTALLED 4" FROM WALLS U.O.N.
- G. CONTRACTOR TO COORDINATE PAINT COLOR AND LOCATIONS WITH OWNER AND ARCHITECT.
- H. REFER TO AG-003 FOR TYPICAL MOUNTING HEIGHTS.

SYMBOL KEY

-  F1-LUXURY VINYL TILE
-  F2-RUBBER FLOORING
-  <By Category>
-  F3-FLOOR TILE
-  F4-SHOWER FLOOR TILE

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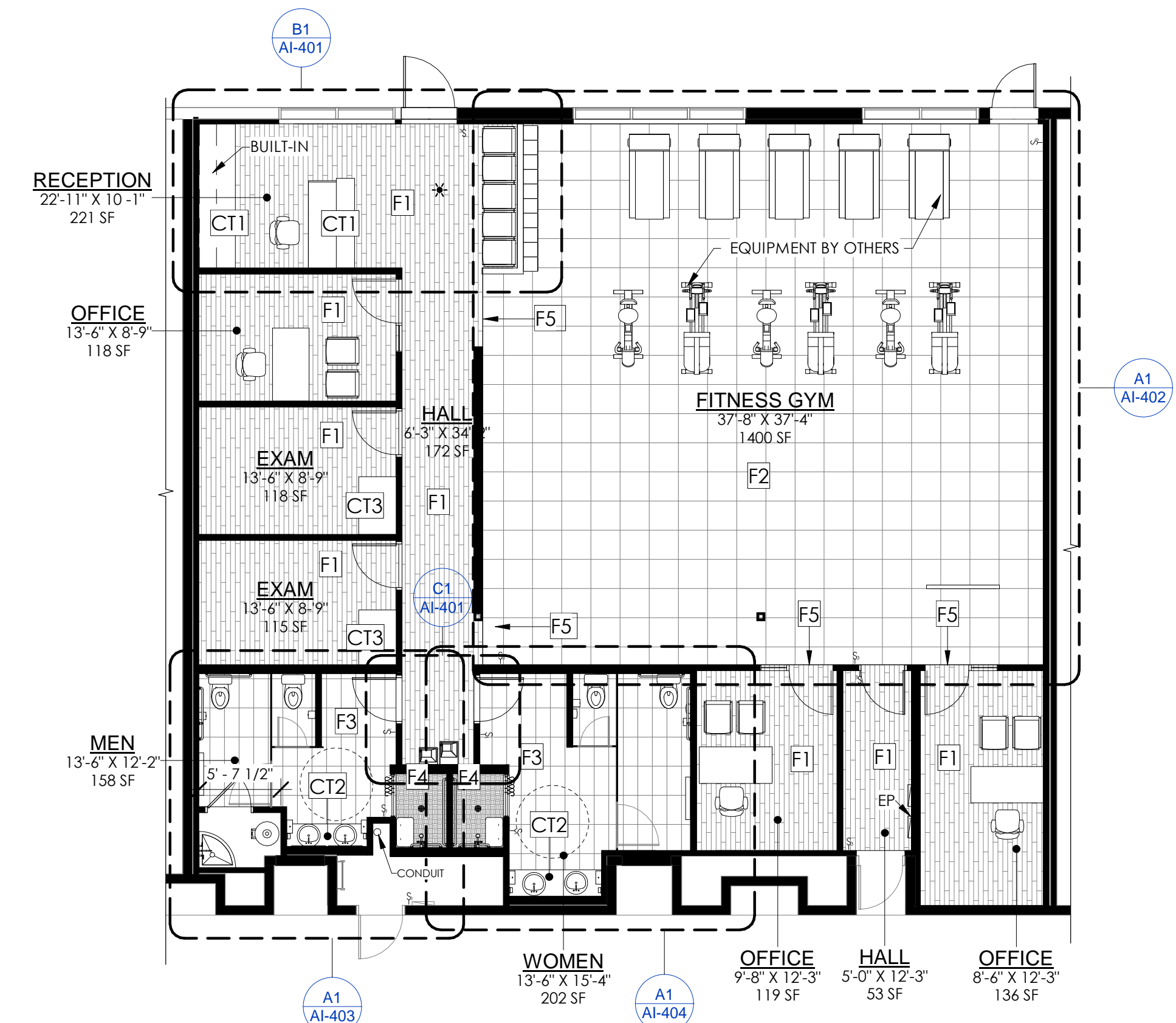
MCKAY-DEE LIVE WELL CENTER
 4421 HARRISON BLVD, SUITE #A6, OGDEN, UT 84403



REV.	DATE
PROJECT #	1918
DATE:	10/09/19
TITLE:	FINISH FLOOR PLAN

ANY CHANGES OR MODIFICATIONS TO THE DESIGN OF THE PROJECT IS TO BE PRESENTED TO THE ARCHITECT FOR REVIEW AND APPROVAL. CONTRACTORS ARE TO BE FAMILIAR WITH ALL PORTIONS OF THE WORK. IT IS TO BE NOTED THAT SUBCONTRACTORS WORK IS NOT LIMITED TO SPECIFIC SHEETS AND THAT ALL OF THE DRAWINGS MAY BE PART OF THEIR SCOPE OF WORK AND/OR COORDINATION.

SHEET:
AI-101



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



A3 PAINT PLAN
1/8" = 1'-0"

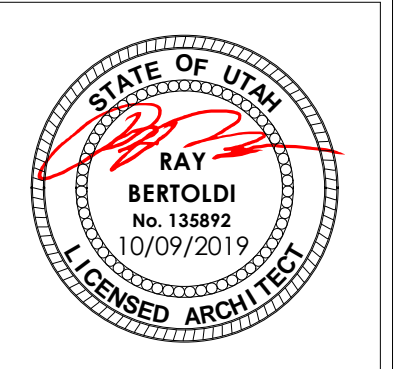
RECEPTION FINISH KEY					
MARK	IMG	DESCRIPTION	MANUFACTURER	SPECIFICATION	NOTES
CEILING					
C2		PAINTED GYP	SHERWIN WILLIAMS	SW7005 PURE WHITE	REFER TO REFLECTED CEILING PLAN
COUNTERTOP					
CT1		QUARTZ COUNTERTOP	CAMBRIA	QUARTZ DESERT COLLECTION, COLOR: WHITE CLIFF	
FLOORING					
B1		RUBBER BASE	ROPPE	ROPPE, BLACK 4" STANDARD TOE BASE, COLOR: BLACK	
F1		LUXURY VINYL TILE	MANNINGTON COMMERCIAL	WALKWAY 20 W116 COLOR: TOBACCO IPE 20 MIL LVT	
MILLWORK					
CAB1		BUILT-IN CABINETS	INTERIOR ENVIRONMENTS	PLAIN SLICED MAPLE, FINISH: BECKER ACROMA, DM5315-00XX, UNICLEAR SP/SATIN FINISH	REFER TO INTERIOR ELEVATIONS
WALL					
W1		PAINTED GYP.	SHERWIN WILLIAMS	SW7005 PURE WHITE	REFER TO PAINT PLAN
W2		PAINTED GYP.	SHERWIN WILLIAMS	SW6230 RAINSTORM	REFER TO PAINT PLAN

GENERAL NOTES

- A. ALL DIMENSIONS ARE TO ROUGH FRAMING UNLESS OTHERWISE NOTED (U.O.)
- B. VERIFY ALL FINISHES, FIXTURES AND EQUIPMENT WITH ARCHITECT.
- C. PROVIDE FIBER-CEMENT OR GLASS-MAT BOARD AT WET LOCATIONS. GREEN BOARD IS NOT PERMITTED.
- D. PROVIDE SOLID BLOCKING AS REQUIRED FOR CABINETS, FIXTURES EQUIPMENT AND ACCESSORIES AS REQUIRED BY EACH COMPONENTS MANUFACTURER, INCLUDING OWNER'S ACCESSORIES AND EQUIPMENT.
- E. ALL INTERIOR WALLS TO BE 3-5/8" METAL STUDS U.O.N. WITH 5/8" GWB ON BOTH SIDES U.O.N.
- F. ALL INTERIOR DOORS TO BE INSTALLED 4" FROM WALLS U.O.N.
- G. CONTRACTOR TO COORDINATE PAINT COLOR AND LOCATIONS WITH OWNER AND ARCHITECT.
- H. REFER TO AG-003 FOR TYPICAL MOUNTING HEIGHTS.

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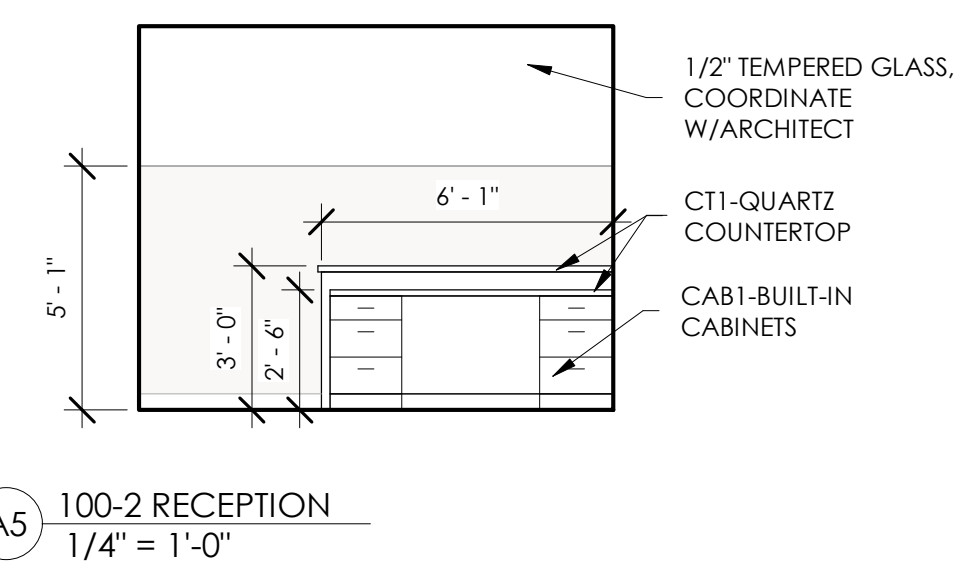
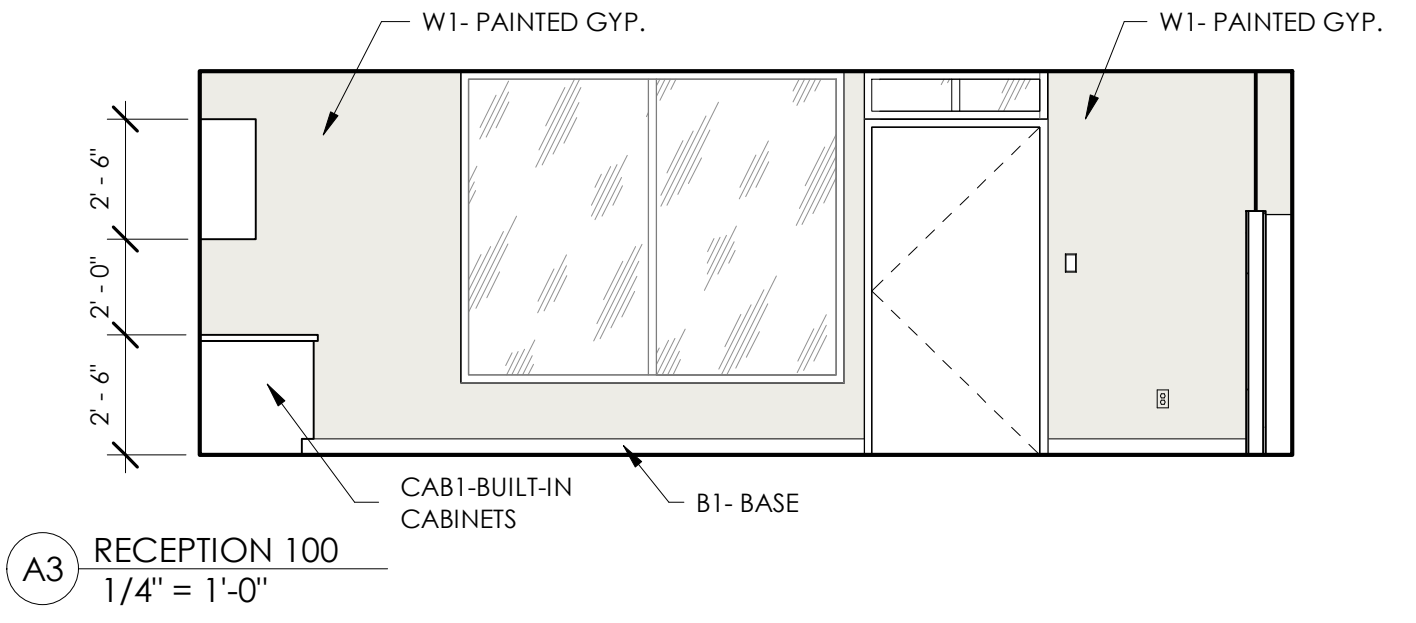
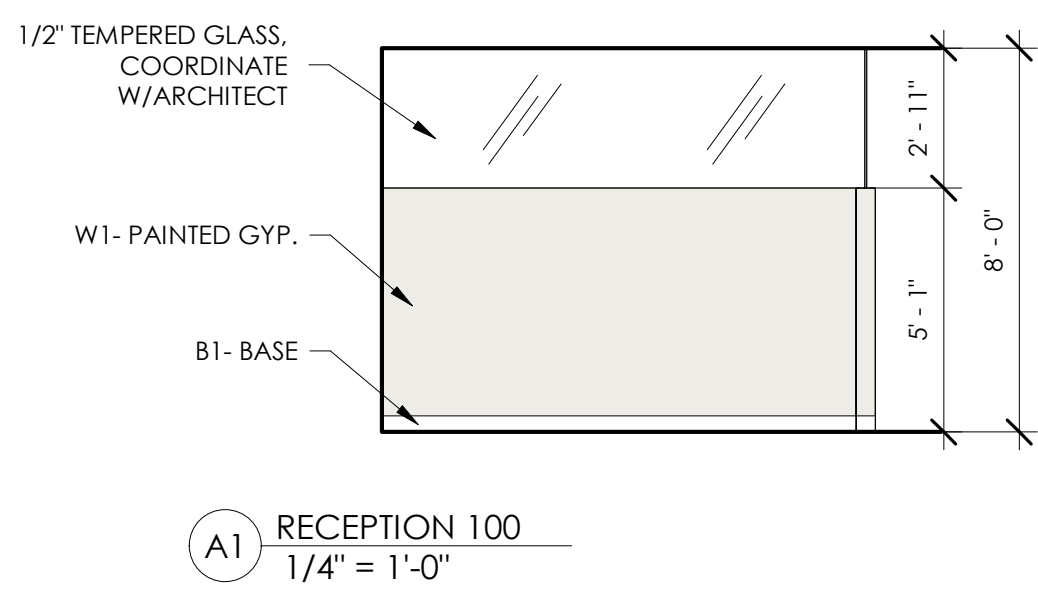
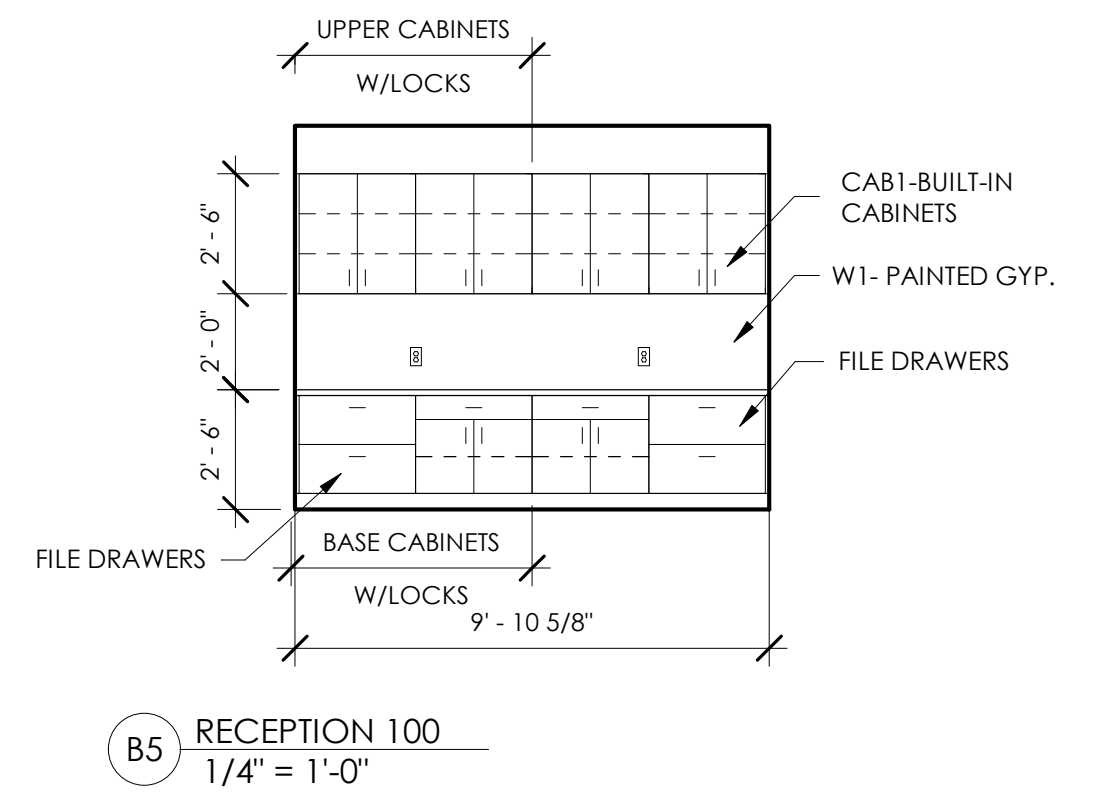
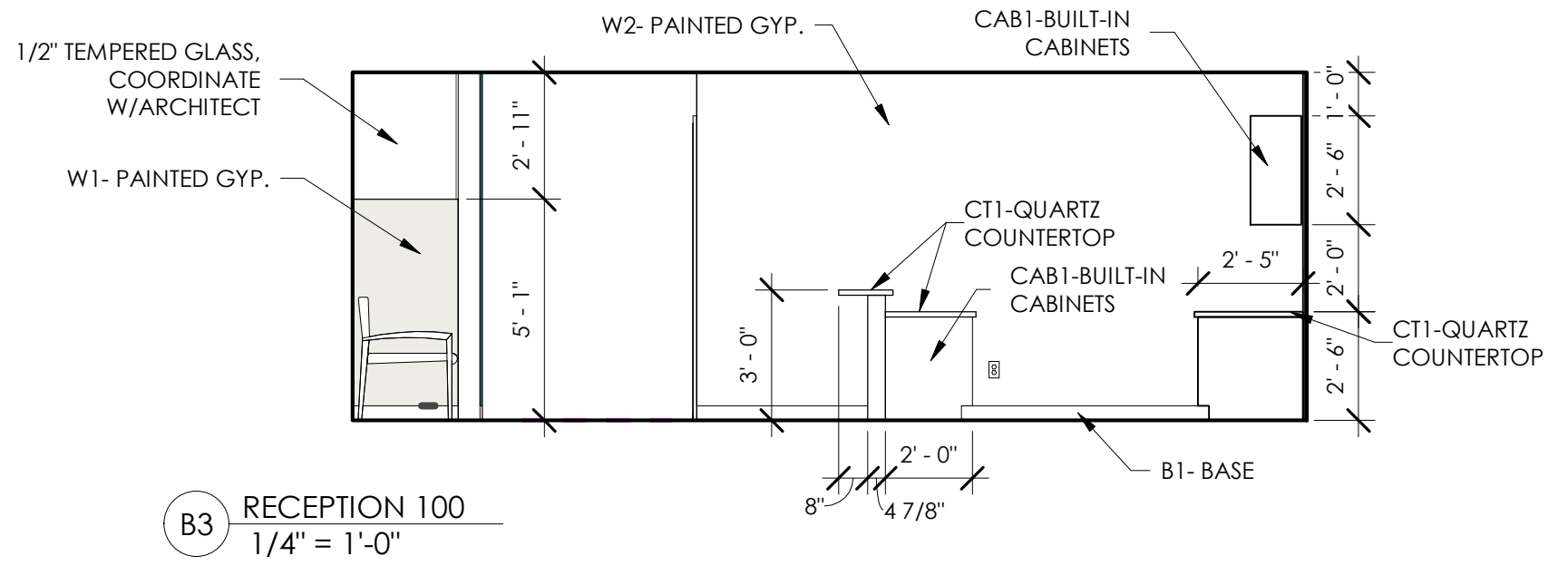
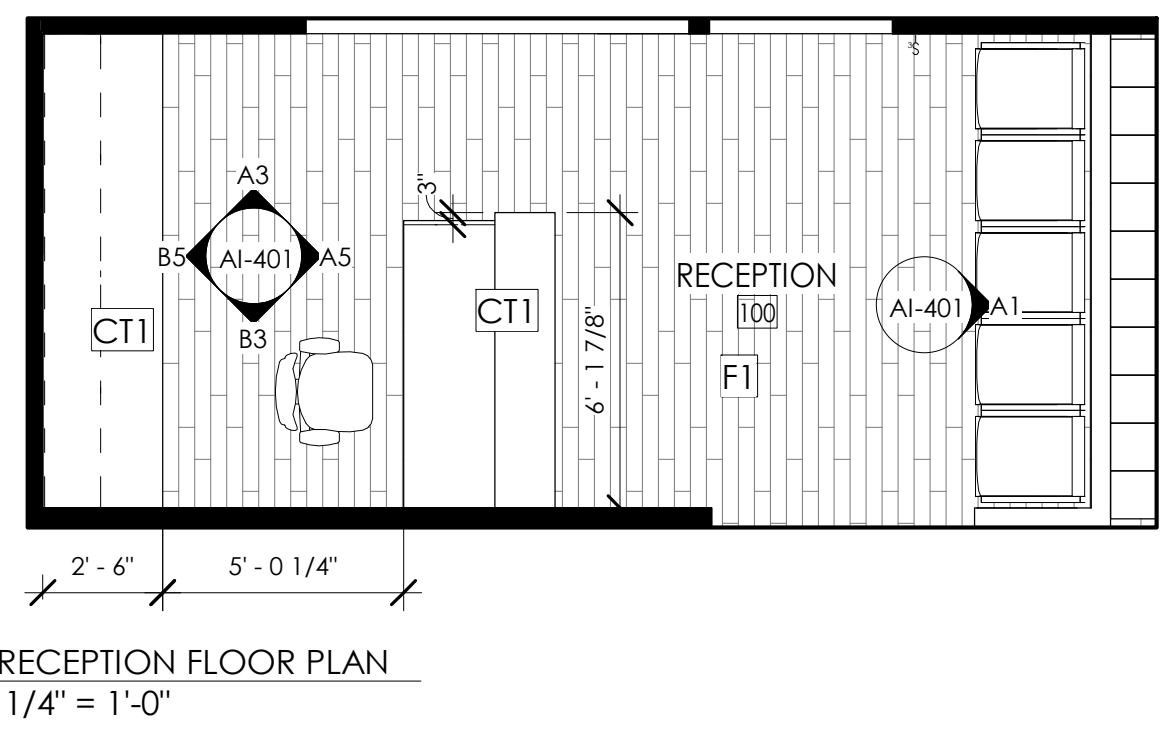
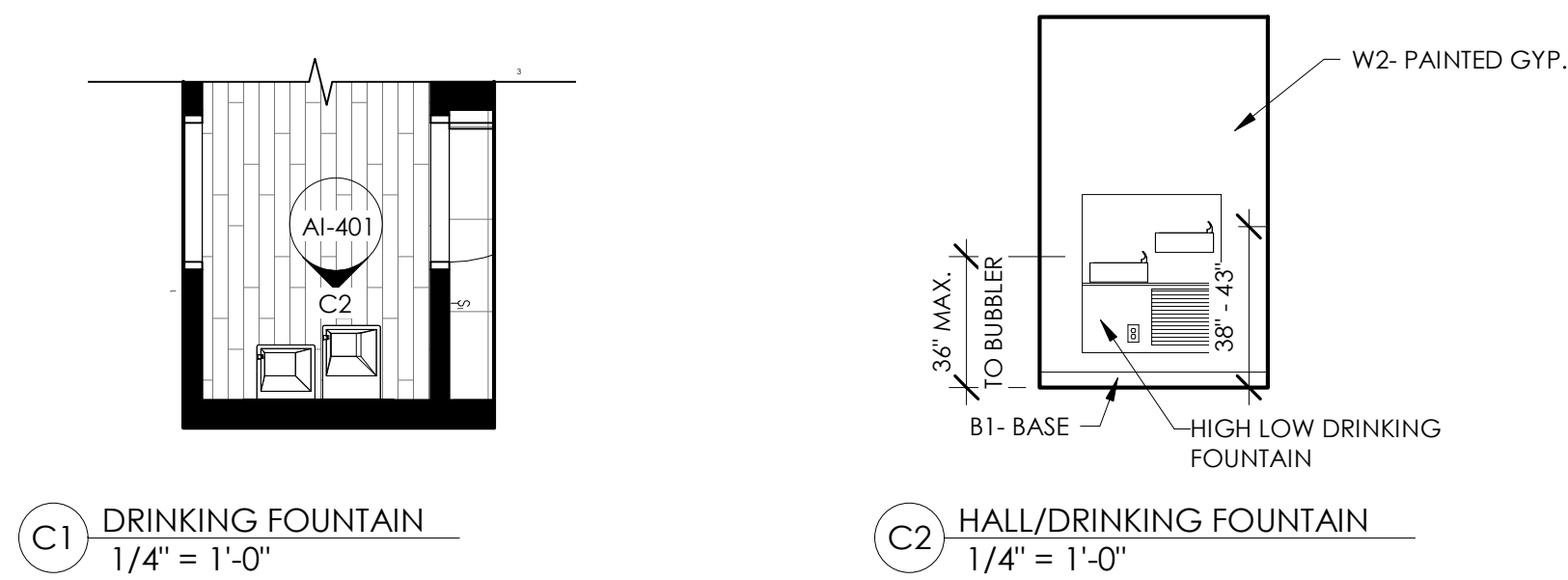
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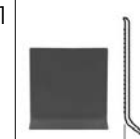




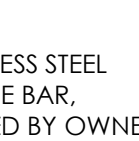


REV.	DATE
PROJECT #	1918
DATE:	10/09/19
TITLE:	RECEPTION/DRINKING FOUNTAIN ENLARGED PLAN/ELEVATIONS

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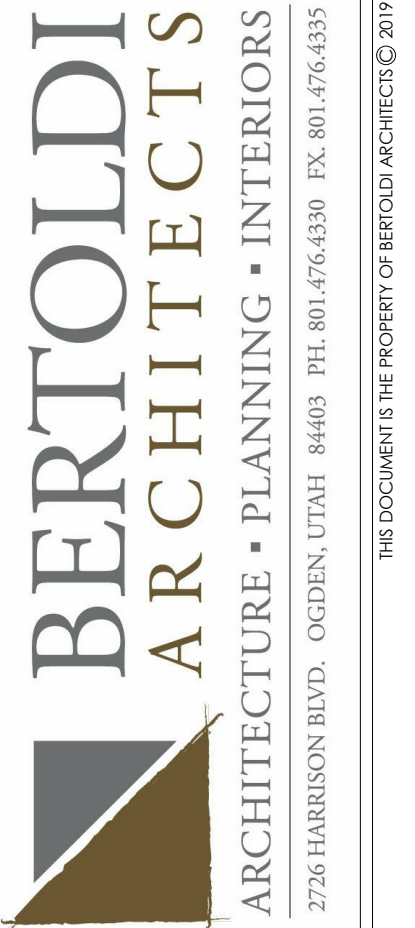
SHEET: **AI-401**



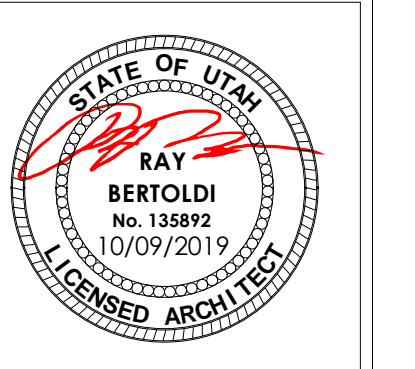
FITNESS/GYM FINISH KEY					
MARK	IMG	DESCRIPTION	MANUFACTURER	SPECIFICATION	NOTES
CEILING					
C1		2'X4' GRID			COORDINATE W/ARCHITECT
FLOORING					
B1		RUBBER BASE	ROPPE	ROPPE, BLACK 4" STANDARD TOE BASE, COLOR: BLACK	
F2		RUBBER FLOORING	MANNINGTON COMMERCIAL	COLLECTION: RESET, COLOR: BEIGE TONES 824 18X18 SQUARE EDGE TILES	
F5		SCHLUTER REDUCER	SCHLUTER	AU100ATGB RENO-U REDUCER 3/8" ALUM BRUSH NICKEL	
WALL					
W1		PAINTED GYP.	SHERWIN WILLIAMS	SW7005 PURE WHITE	REFER TO PAINT PLAN
W2		PAINTED GYP.	SHERWIN WILLIAMS	SW6230 RAINSTORM	REFER TO PAINT PLAN
W8		WALL MOUNTED MIRROR			SEE ELEVATIONS FOR LOCATIONS AND DIMENSIONS.

GENERAL NOTES

- A. ALL DIMENSIONS ARE TO ROUGH FRAMING UNLESS OTHERWISE NOTED (U.N.O.)
- B. VERIFY ALL FINISHES, FIXTURES AND EQUIPMENT WITH ARCHITECT.
- C. PROVIDE FIBER-CEMENT OR GLASS-MAT BOARD AT WET LOCATIONS. GREEN BOARD IS NOT PERMITTED.
- D. PROVIDE SOLID BLOCKING AS REQUIRED FOR CABINETS, FIXTURES EQUIPMENT AND ACCESSORIES AS REQUIRED BY EACH COMPONENT'S MANUFACTURER, INCLUDING OWNER'S ACCESSORIES AND EQUIPMENT.
- E. ALL INTERIOR WALLS TO BE 3-5/8" METAL STUDS U.O.N. WITH 5/8" GWB ON BOTH SIDES U.O.N.
- F. ALL INTERIOR DOORS TO BE INSTALLED 4" FROM WALLS U.O.N.
- G. CONTRACTOR TO COORDINATE PAINT COLOR AND LOCATIONS WITH OWNER AND ARCHITECT.
- H. REFER TO AC-003 FOR TYPICAL MOUNTING HEIGHTS.



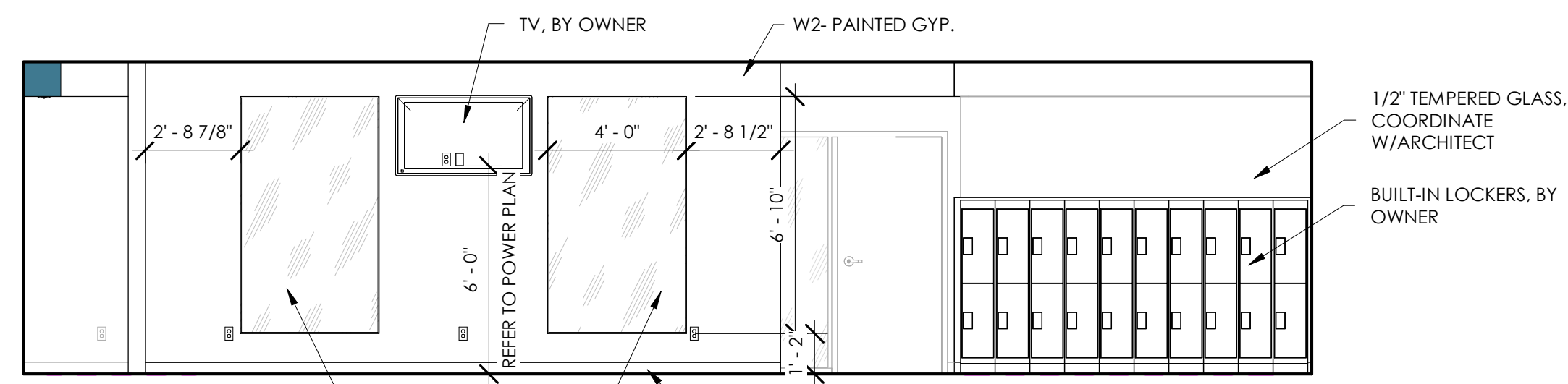
**MCKAY-DEE
LIVE WELL CENTER**
4421 HARRISON BLVD, SUITE #A6, OGDEN, UT 84403



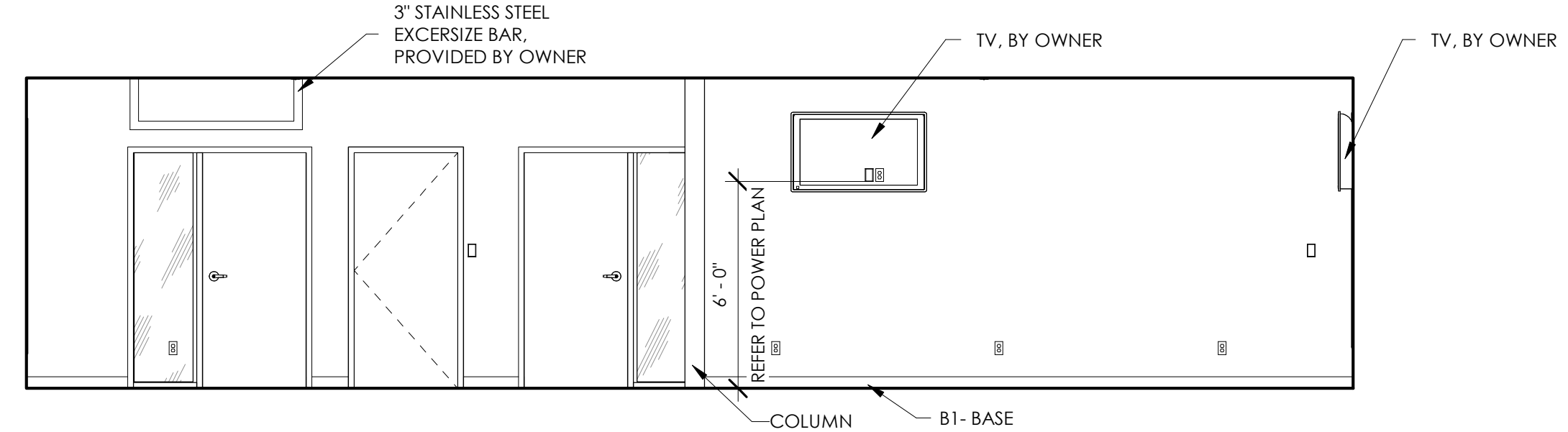
REV.	DATE
PROJECT #	1918
DATE:	10/09/19
TITLE:	FITNESS GYM ENLARGED PLAN/ELEVATIONS

ANY CHANGES OR MODIFICATIONS TO THE DESIGN OF THE PROJECT IS TO BE PRESENTED TO THE ARCHITECT FOR REVIEW AND APPROVAL. CONTRACTORS ARE TO BE FAMILIAR WITH ALL PORTIONS OF THE WORK. IT IS TO BE NOTED THAT SUBCONTRACTORS WORK IS NOT LIMITED TO SPECIFIC SHEETS AND THAT ALL OF THE DRAWINGS MAY BE PART OF THEIR SCOPE OF WORK AND/OR COORDINATION.

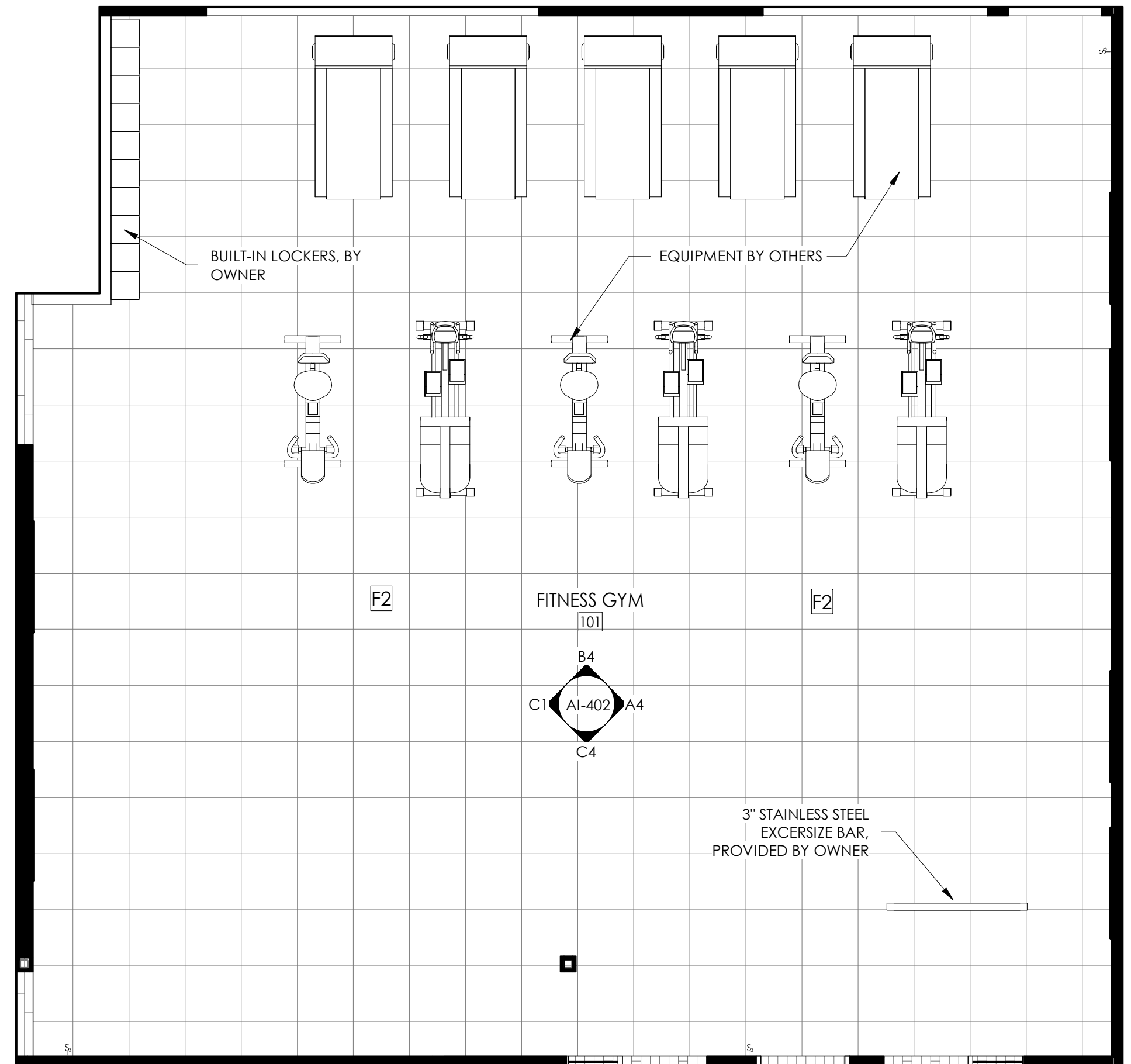
AI-402



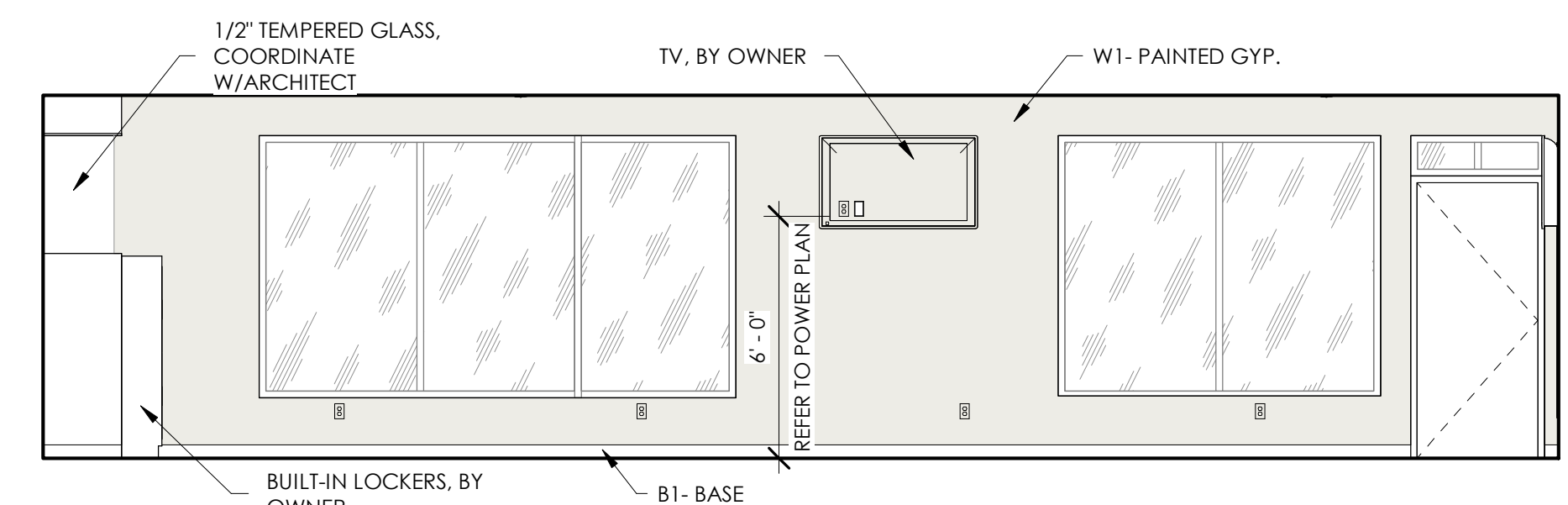
C1 FITNESS GYM 101
1/4" = 1'-0"



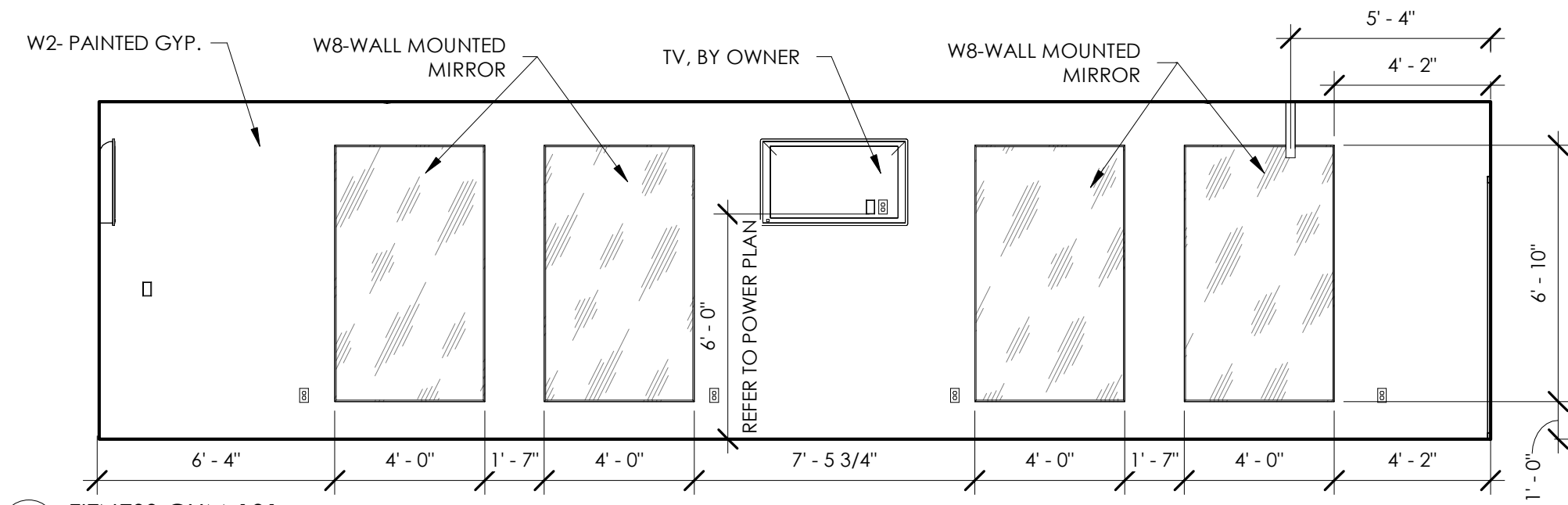
C4 FITNESS GYM 101
1/4" = 1'-0"



A1 FITNESS GYM
1/4" = 1'-0"



B4 FITNESS GYM 101
1/4" = 1'-0"



A4 FITNESS GYM 101
1/4" = 1'-0"

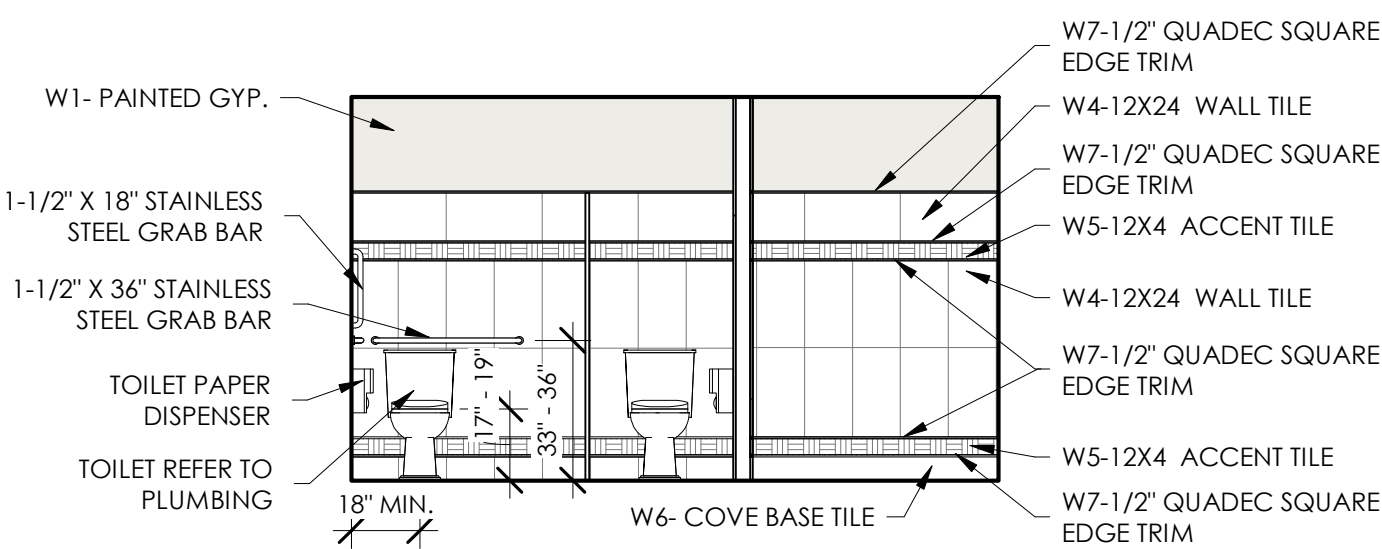
RESTROOM FINISH KEY					
MARK	DESCRIPTION	IMG	MANUFACTURER	SPECIFICATION	NOTES
CEILING					
C2	PAINTED GYP		SHERWIN WILLIAMS	SW7005 PURE WHITE	REFER TO REFLECTED CEILING PLAN
COUNTERTOP					
CT2	SOLID SURFACE COUNTERTOP		DUPONT	CORIAN, NEUTRAL CONCRETE	
FLOORING					
F3	FLOOR TILE		CROSSVILLE	NOTORIOUS FEMME FATAL NTR01 W/HON FINISH, SIZE: 12X24, GROUT: MAPEI 01 ALABASTER GROUT WIDTH: 1/8"	
F4	SHOWER FLOOR TILE		CROSSVILLE	CROSSVILLE NOTORIOUS FEMME FATALE NTR01 W/HON FINISH, SIZE: 12X12 MOSIAC, GROUT: MAPEI 01 ALABASTER GROUT WIDTH: 1/8"	
WALL					
W1	PAINTED GYP.		SHERWIN WILLIAMS	SW7005 PURE WHITE	REFER TO PAINT PLAN
W4	WALL TILE		CROSSVILLE	NOTORIOUS FEMME FATAL NTR01 W/HON FINISH, SIZE: 12X24, GROUT: MAPEI 01 ALABASTER GROUT WIDTH: 1/8"	REFER TO INTERIOR ELEVATIONS
W5	ACCENT TILE		CROSSVILLE	NOTORIOUS FILM NOIR NTR06 W/HON FINISH, SIZE: 12X12 MOSIAC, GROUT: MAPEI 01 ALABASTER GROUT WIDTH: 1/8"	REFER TO INTERIOR ELEVATIONS
W6	WALL TILE		CROSSVILLE	NOTORIOUS FEMME FATALE NTR01 W/HON FINISH, SIZE: 6X12 COVE BASE, GROUT: MAPEI 01 ALABASTER GROUT WIDTH: 1/8"	REFER TO INTERIOR ELEVATIONS
W7	WALL TILE		CROSSVILLE	SCHLUTER QUADEC - EDGING PROFILE - FOR 1/2" THICK TILE - 8' 2-1/2" LENGTH - SATIN NICKEL ANODIZED ALUMINUM	REFER TO INTERIOR ELEVATIONS
W8	WALL MOUNTED MIRROR				SEE ELEVATIONS FOR LOCATIONS AND DIMENSIONS.

GENERAL NOTES

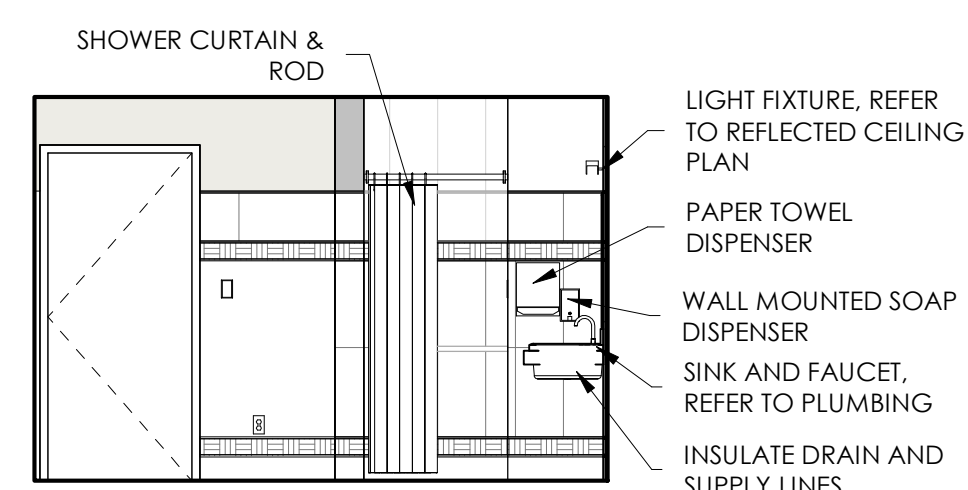
- A. ALL DIMENSIONS ARE TO ROUGH FRAMING UNLESS OTHERWISE NOTED (U.N.O.)
- B. VERIFY ALL FINISHES, FIXTURES AND EQUIPMENT WITH ARCHITECT.
- C. PROVIDE FIBER-CEMENT OR GLASS-MAT BOARD AT WET LOCATIONS. GREEN BOARD IS NOT PERMITTED.
- D. PROVIDE SOLID BLOCKING AS REQUIRED FOR CABINETS, FIXTURES EQUIPMENT AND ACCESSORIES AS REQUIRED BY EACH COMPONENT'S MANUFACTURER, INCLUDING OWNER'S ACCESSORIES AND EQUIPMENT.
- E. ALL INTERIOR WALLS TO BE 3-5/8" METAL STUDS U.O.N. WITH 5/8" GWB ON BOTH SIDES U.O.N.
- F. ALL INTERIOR DOORS TO BE INSTALLED 4" FROM WALLS U.O.N.
- G. CONTRACTOR TO COORDINATE PAINT COLOR AND LOCATIONS WITH OWNER AND ARCHITECT.
- H. REFER TO AG-003 FOR TYPICAL MOUNTING HEIGHTS.



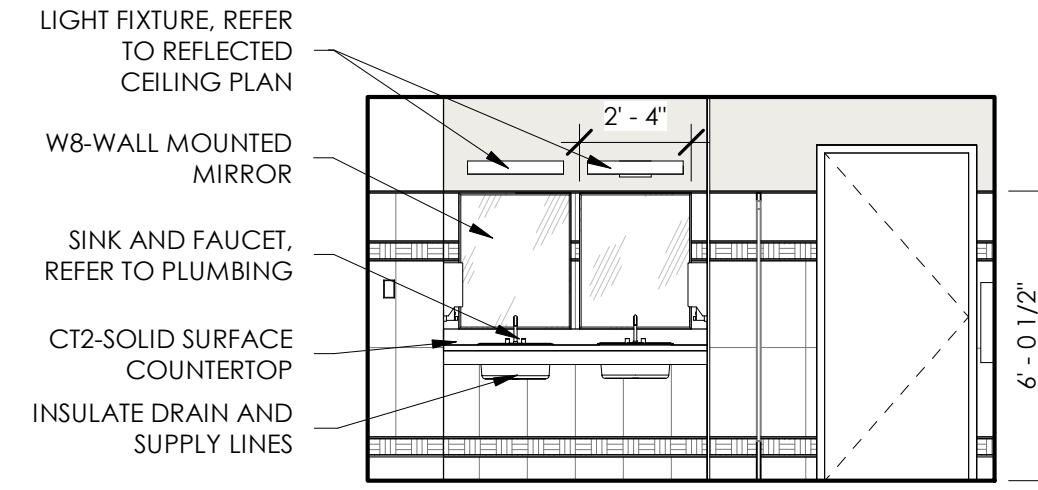
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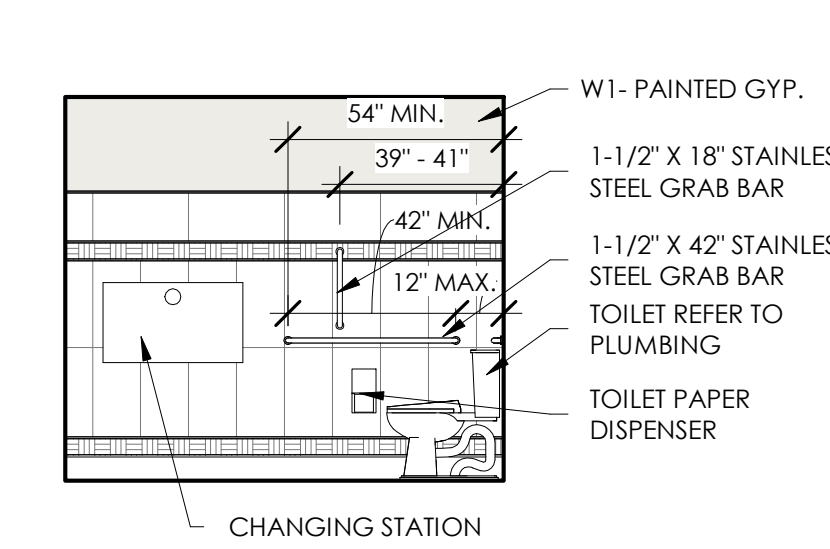
B1 MEN'S RESTROOM 106
1/4" = 1'-0"



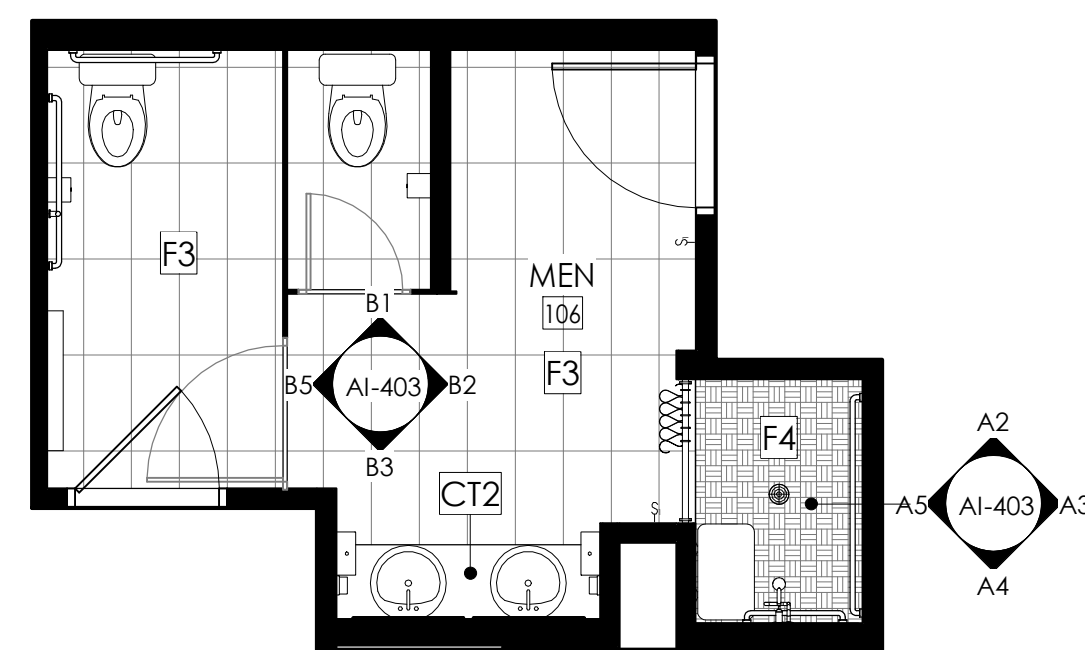
B2 MEN'S RESTROOM 106
1/4" = 1'-0"



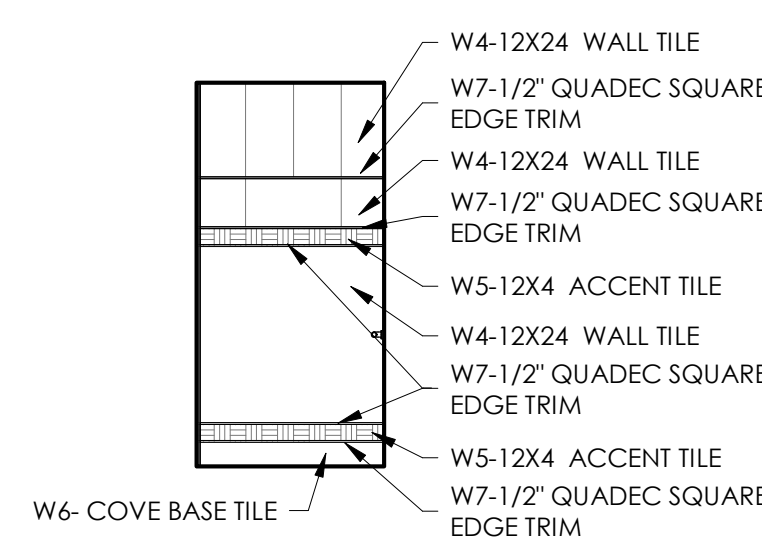
B3 MEN'S RESTROOM 106
1/4" = 1'-0"



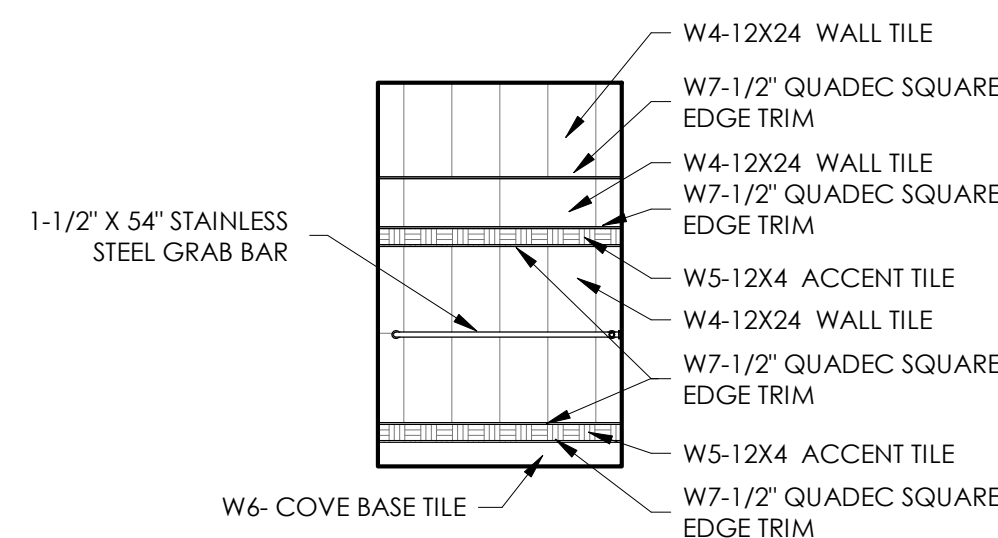
B5 MEN'S RESTROOM 106
1/4" = 1'-0"



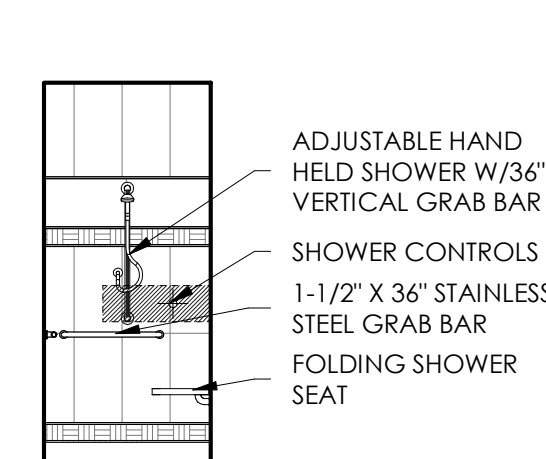
A1 MEN'S RESTROOM 106
1/4" = 1'-0"



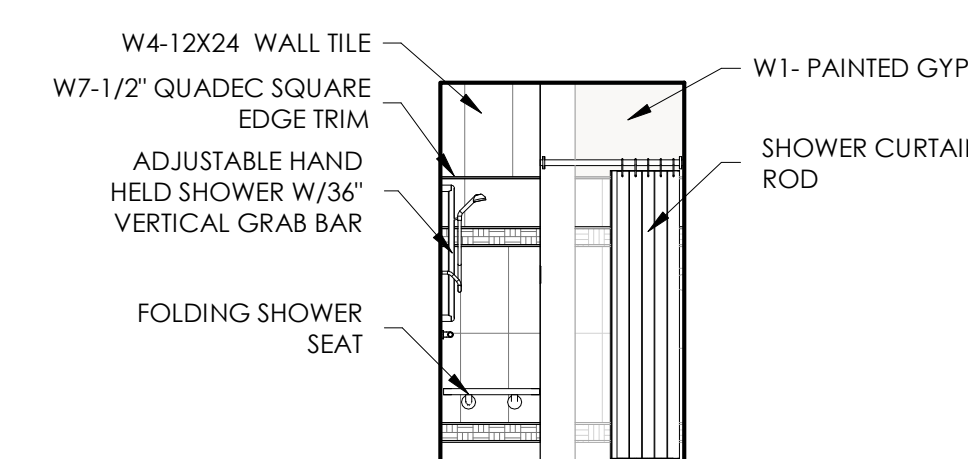
A2 MEN'S RESTROOM 106
1/4" = 1'-0"



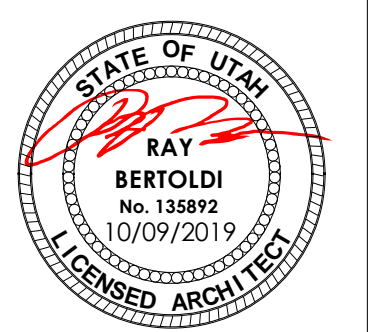
A3 MEN'S RESTROOM 106
1/4" = 1'-0"



A4 MEN'S RESTROOM 106
1/4" = 1'-0"



A5 MEN'S RESTROOM 106
1/4" = 1'-0"



REV.	DATE
PROJECT #	1918
DATE:	10/09/19
TITLE:	MEN'S RESTROOM ENLARGED PLANS/ELEVATIONS

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SHEET:

AI-403

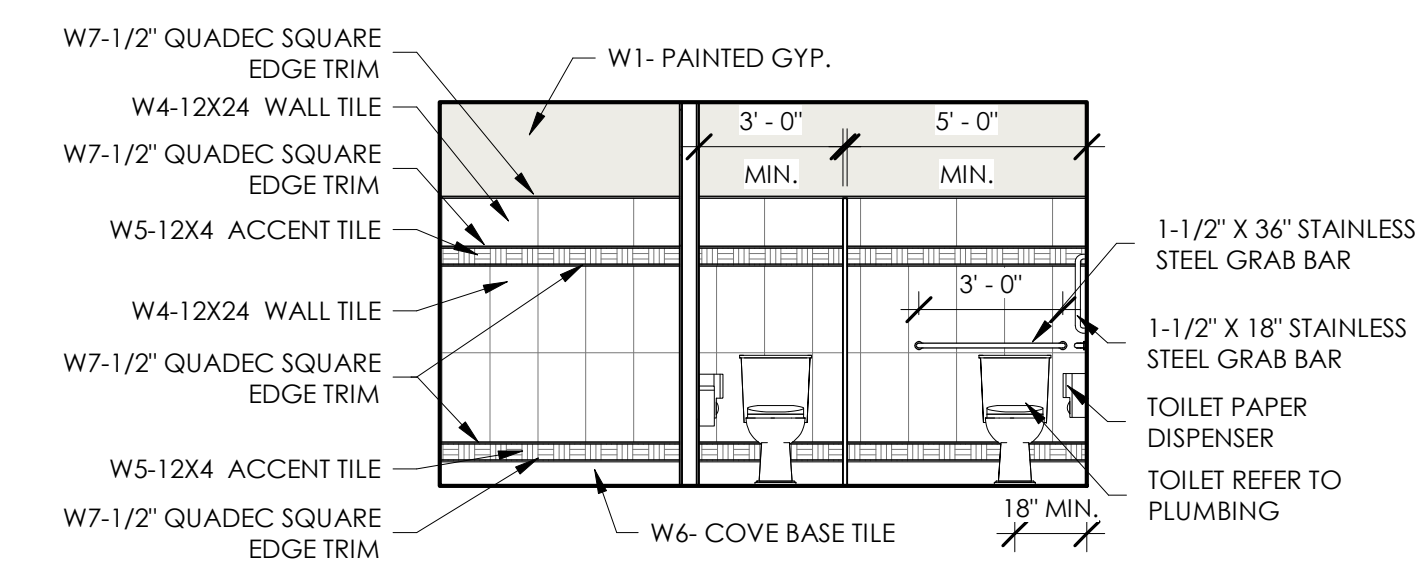
RESTROOM FINISH KEY					
MARK	DESCRIPTION	IMG	MANUFACTURER	SPECIFICATION	NOTES
CEILING					
C2	PAINTED GYP		SHERWIN WILLIAMS	SW7005 PURE WHITE	REFER TO REFLECTED CEILING PLAN
COUNTERTOP					
CT2	SOLID SURFACE COUNTERTOP		DUPONT	CORIAN, NEUTRAL CONCRETE	
FLOORING					
F3	FLOOR TILE		CROSSVILLE	NOTORIOUS FEMME FATAL NTR01 W/HON FINISH, SIZE: 12X24, GROUT: MAPEI 01 ALABASTER GROUT WIDTH: 1/8"	
F4	SHOWER FLOOR TILE		CROSSVILLE	NOTORIOUS FEMME FATALE NTR01 W/HON FINISH, SIZE: 12X12 MOSIAC, GROUT: MAPEI 01 ALABASTER GROUT WIDTH: 1/8"	
WALL					
W1	PAINTED GYP.		SHERWIN WILLIAMS	SW7005 PURE WHITE	REFER TO PAINT PLAN
W4	WALL TILE		CROSSVILLE	NOTORIOUS FEMME FATAL NTR01 W/HON FINISH, SIZE: 12X24, GROUT: MAPEI 01 ALABASTER GROUT WIDTH: 1/8"	REFER TO INTERIOR ELEVATIONS
W5	ACCENT TILE		CROSSVILLE	NOTORIOUS FILM NOIR NTR06 W/HON FINISH, SIZE: 12X12 MOSIAC, GROUT: MAPEI 01 ALABASTER GROUT WIDTH: 1/8"	REFER TO INTERIOR ELEVATIONS
W6	WALL TILE		CROSSVILLE	NOTORIOUS FEMME FATALE NTR01 W/HON FINISH, SIZE: 6X12 COVE BASE, GROUT: MAPEI 01 ALABASTER GROUT WIDTH: 1/8"	REFER TO INTERIOR ELEVATIONS
W7	WALL TILE		CROSSVILLE	SCHLUTER QUADEC - EDGING PROFILE - FOR 1/2" THICK TILE - 8' 2-1/2' LENGTH - SATIN NICKEL ANODIZED ALUMINUM	REFER TO INTERIOR ELEVATIONS
W8	WALL MOUNTED MIRROR				SEE ELEVATIONS FOR LOCATIONS AND DIMENSIONS.

GENERAL NOTES

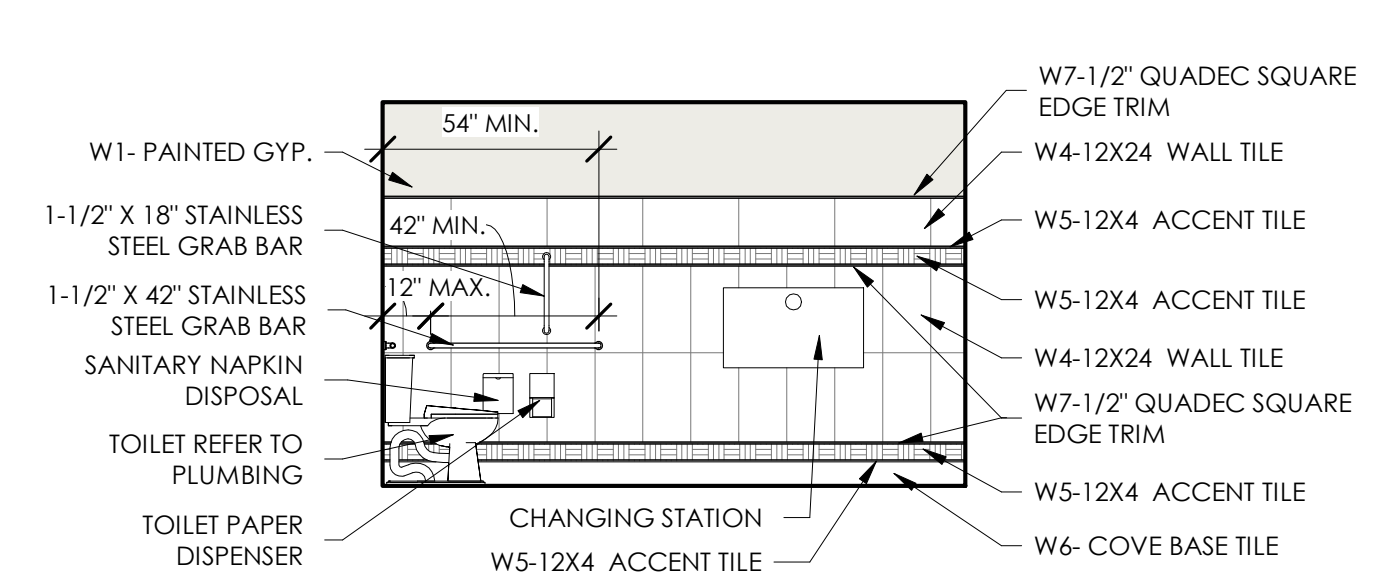
- A. ALL DIMENSIONS ARE TO ROUGH FRAMING UNLESS OTHERWISE NOTED (U.N.O.)
- B. VERIFY ALL FINISHES, FIXTURES AND EQUIPMENT WITH ARCHITECT.
- C. PROVIDE FIBER-CEMENT OR GLASS-MAT BOARD AT WET LOCATIONS. GREEN BOARD IS NOT PERMITTED.
- D. PROVIDE SOLID BLOCKING AS REQUIRED FOR CABINETS, FIXTURES EQUIPMENT AND ACCESSORIES AS REQUIRED BY EACH COMPONENTS MANUFACTURER, INCLUDING OWNERS ACCESSORIES AND EQUIPMENT.
- E. ALL INTERIOR WALLS TO BE 3-5/8" METAL STUDS U.O.N. WITH 5/8" GWB ON BOTH SIDES U.O.N.
- F. ALL INTERIOR DOORS TO BE INSTALLED 4" FROM WALLS U.O.N.
- G. CONTRACTOR TO COORDINATE PAINT COLOR AND LOCATIONS WITH OWNER AND ARCHITECT.
- H. REFER TO AG-003 FOR TYPICAL MOUNTING HEIGHTS.

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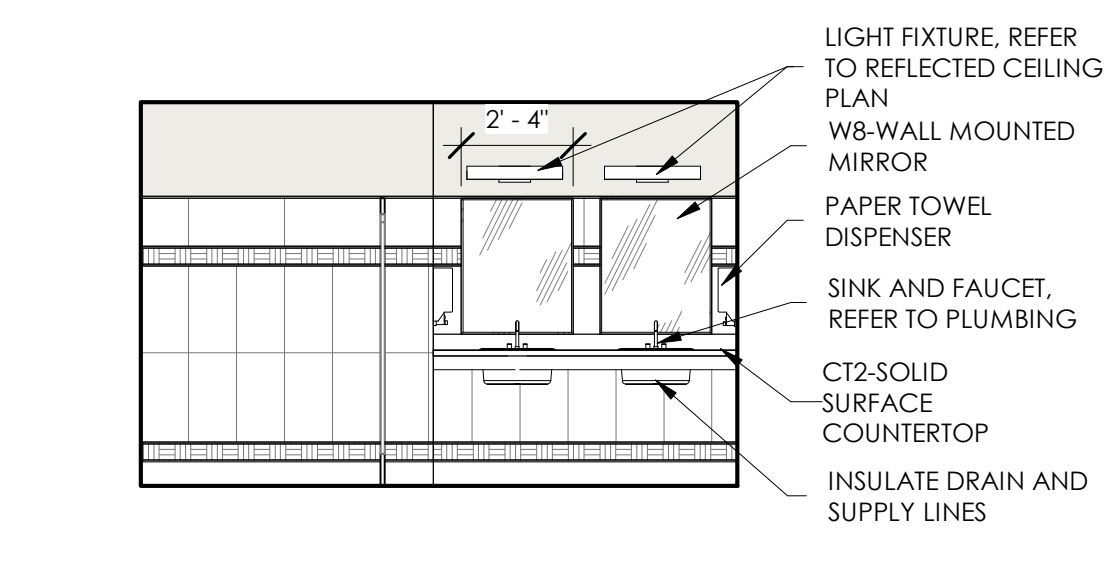
MCKAY-DEE LIVE WELL CENTER
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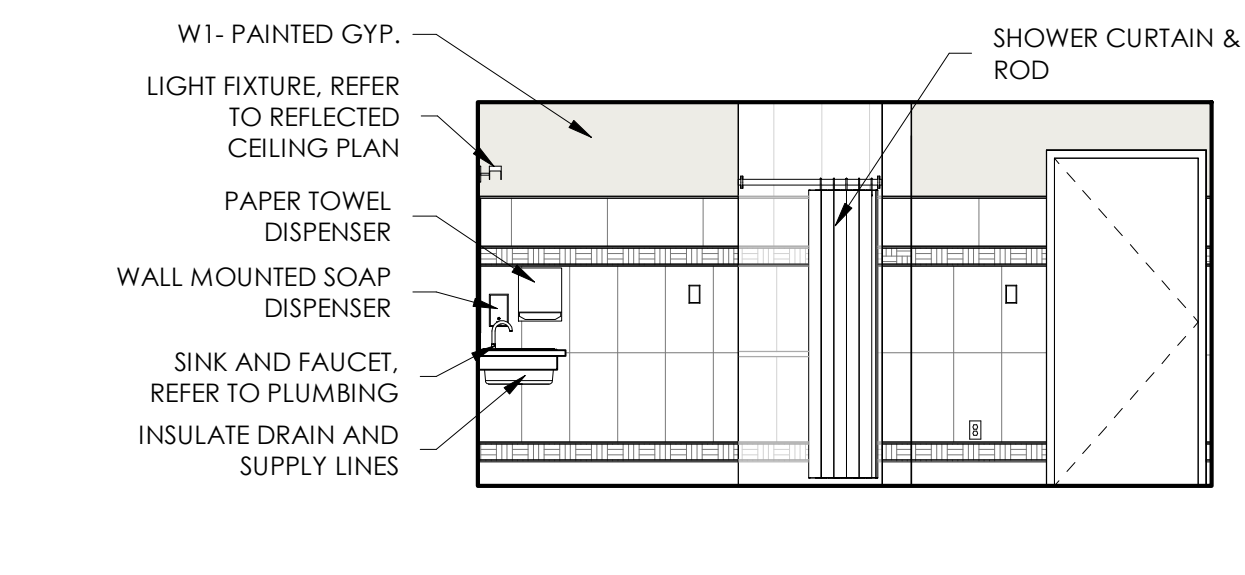
B1 WOMEN'S RESTROOM
1/4" = 1'-0"



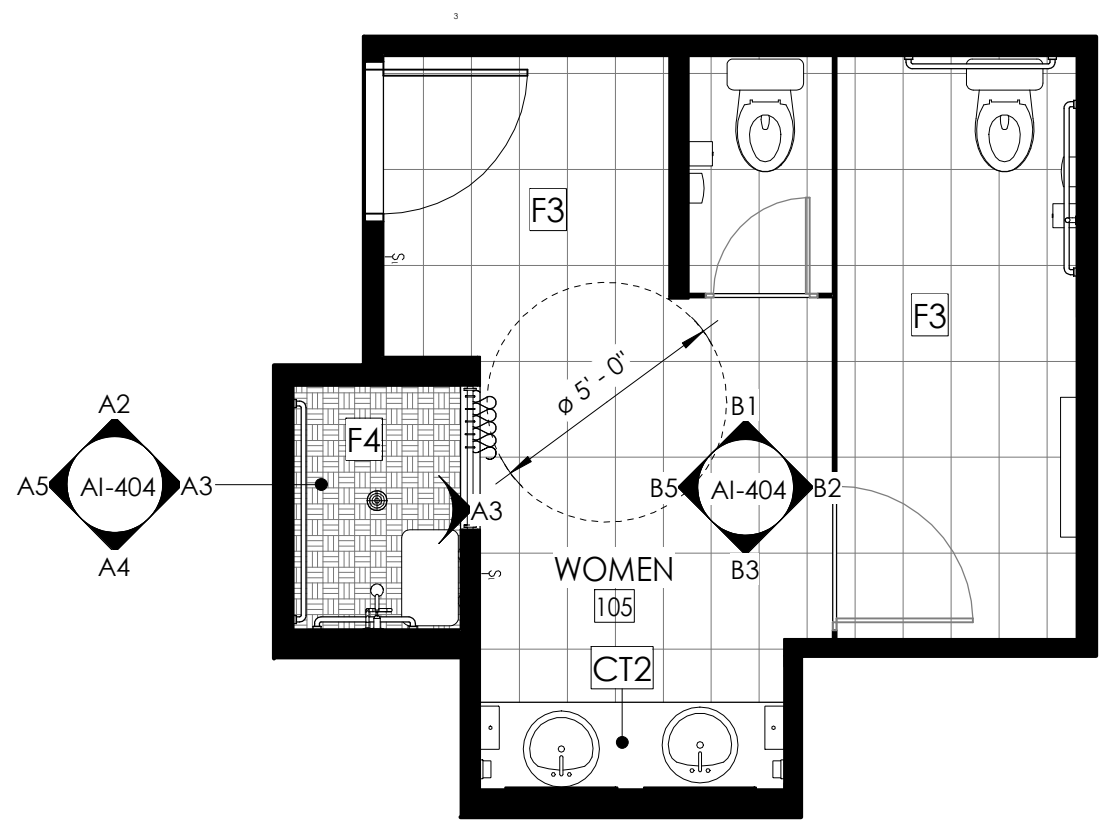
B2 WOMEN'S RESTROOM
1/4" = 1'-0"



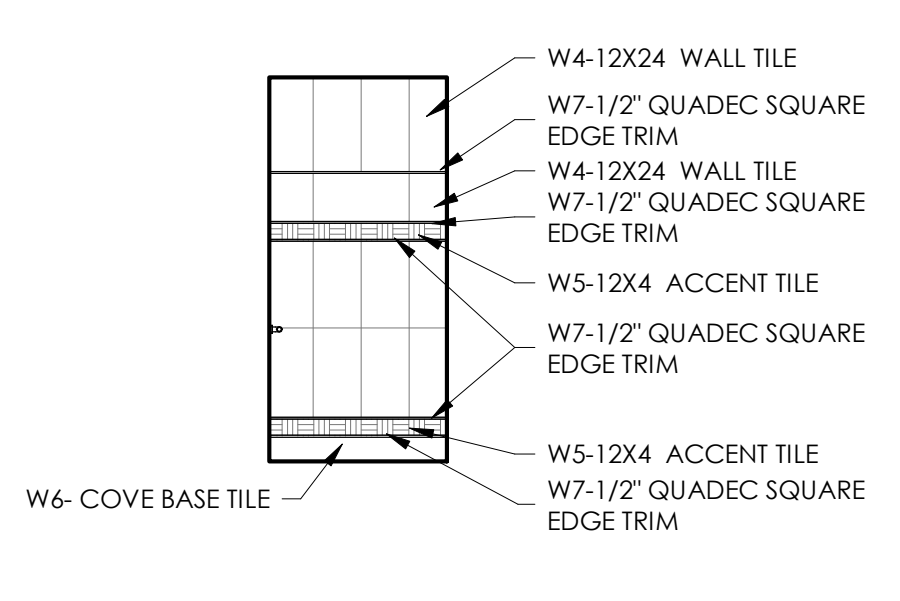
B3 WOMEN'S RESTROOM
1/4" = 1'-0"



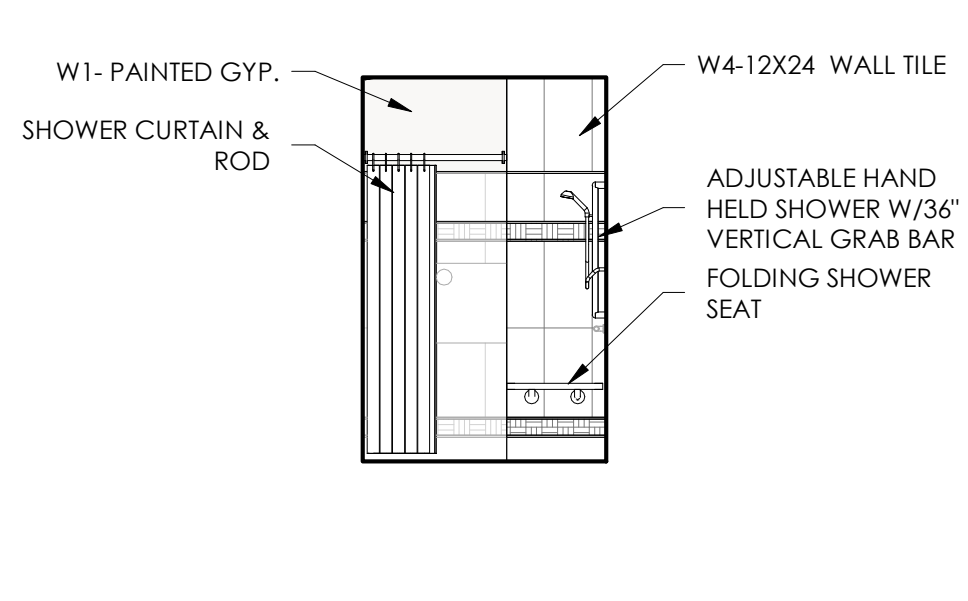
B5 WOMEN'S RESTROOM
1/4" = 1'-0"



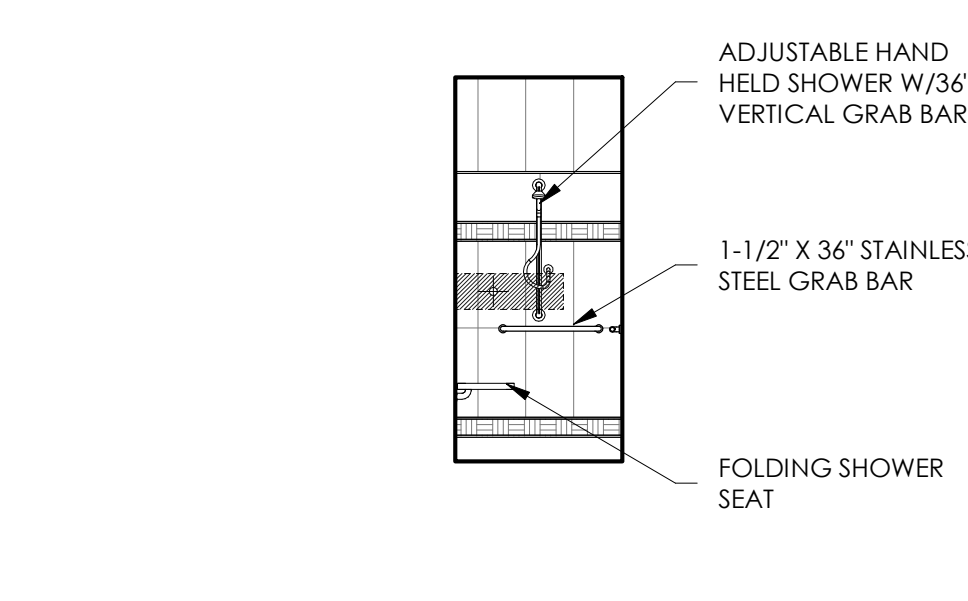
A1 WOMEN'S RESTROOM
1/4" = 1'-0"



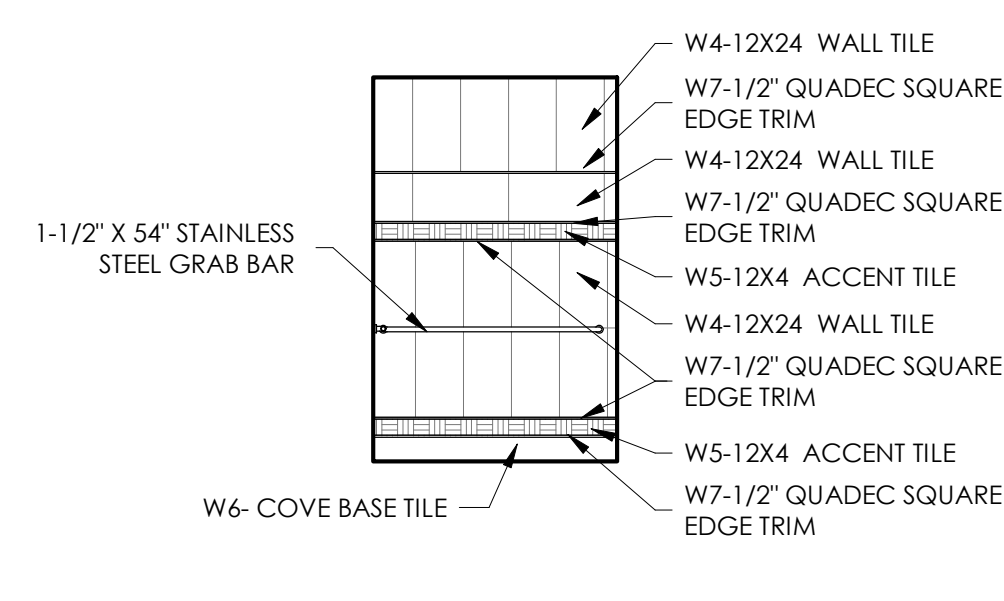
A2 WOMEN'S RESTROOM
1/4" = 1'-0"



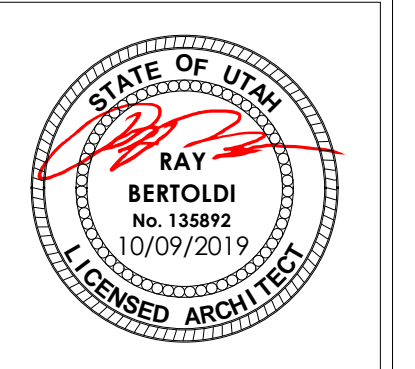
A3 WOMEN'S RESTROOM
1/4" = 1'-0"



A4 WOMEN'S RESTROOM
1/4" = 1'-0"



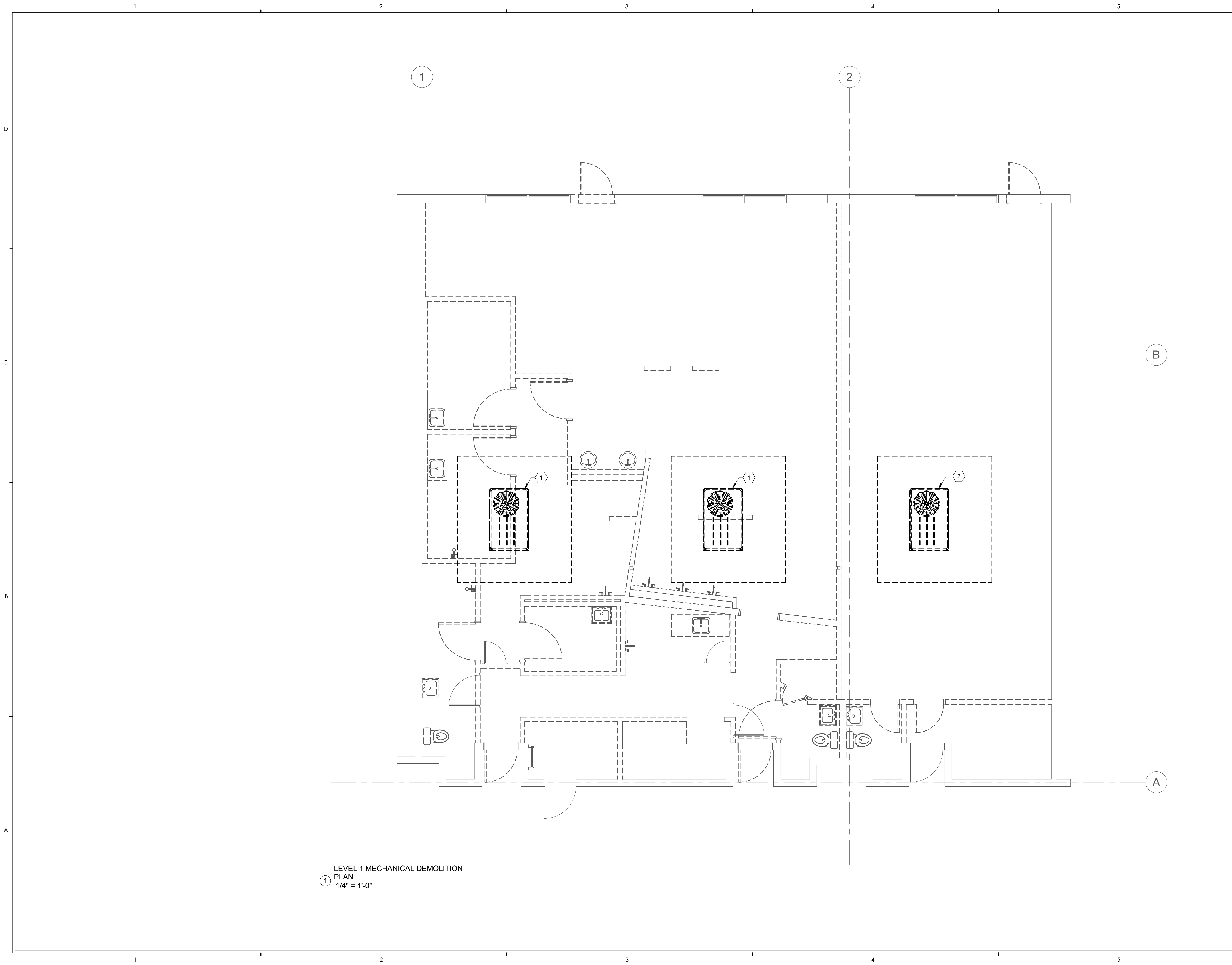
A5 WOMEN'S RESTROOM
1/4" = 1'-0"



REV.	DATE
PROJECT #	1918
DATE:	10/09/19
TITLE:	WOMEN'S RESTROOM ENLARGED PLANS/ELEVATIONS

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AI-404



LEVEL 1 MECHANICAL DEMOLITION
 PLAN
 1/4" = 1'-0"

GENERAL SHEET NOTES

1. NOT ALL EXISTING CONDITIONS SHOWN. CONTRACTOR TO VERIFY ALL LOCATIONS OF DUCT, DIFFUSERS, ETC. IN FIELD AND REMOVE AS NECESSARY.

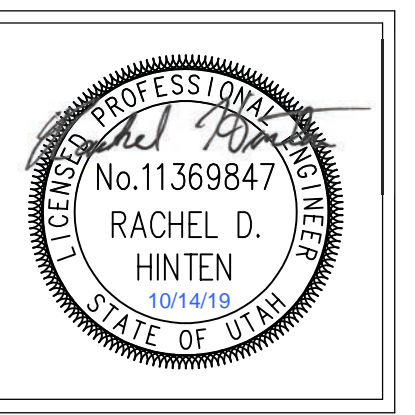
SHEET KEYNOTES

- 1 REMOVE RTU AND ALL ASSOCIATED DUCT, DIFFUSERS, AND ACCESSORIES. REUSE CURB AND PENETRATIONS THROUGH ROOF FOR NEW RTU IF POSSIBLE.
- 2 REMOVE RTU AND ALL ASSOCIATED DUCT, DIFFUSERS, AND ACCESSORIES. PATCH ROOF PENETRATIONS.

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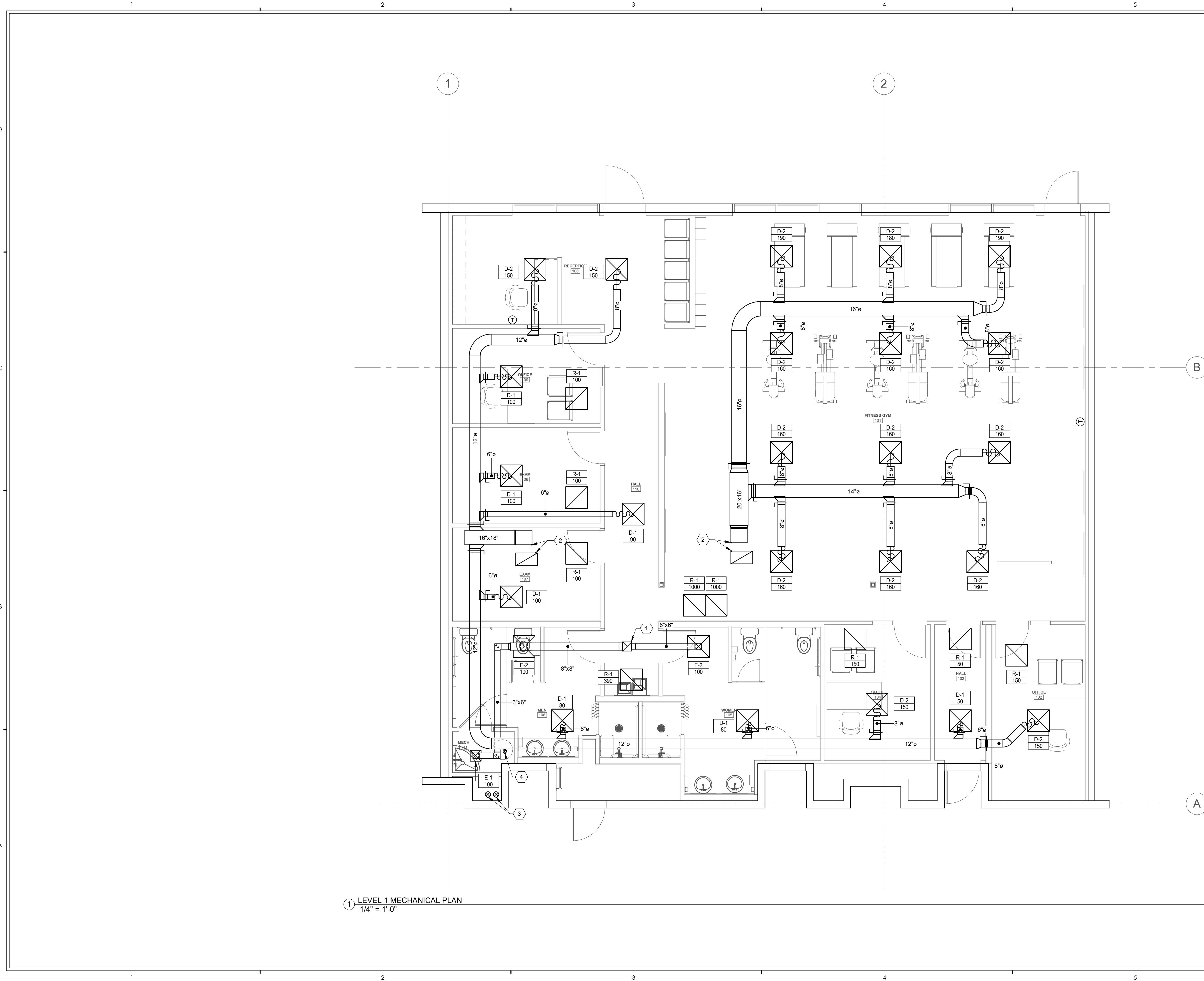
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REV.	DATE
PROJECT #	1918
DATE:	10/09/19
TITLE:	MECHANICAL DEMO PLAN

SHEET:
M-100



① LEVEL 1 MECHANICAL PLAN
1/4" = 1'-0"

GENERAL SHEET NOTES

1. CONTRACTOR TO VERIFY EXISTING CONDITIONS AND MAKE MINOR CHANGES TO LAYOUT AS NECESSARY TO AVOID CONFLICT.

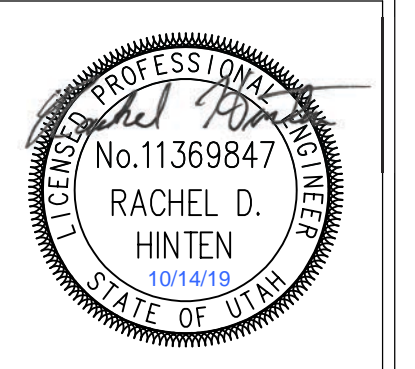
SHEET KEYNOTES

- 1 10X10 EA DUCT UP TO FAN ON ROOF.
- 2 SUPPLY AND RETURN DUCTS UP TO RTU ON ROOF. MAKE TRANSITIONS AS NECESSARY.
- 3 6" COMBUSTION AIR DUCTS FOR WATER HEATER. TERMINATE ONE WITHIN 12" OF CEILING AND THE OTHER 12" ABOVE FINISHED FLOOR.
- 4 4" WATER HEATER FLUE THROUGH ROOF.

ANY CHANGES OR MODIFICATIONS TO THE DESIGN OF THE PROJECT IS TO BE PRESENTED TO THE ARCHITECT FOR REVIEW AND APPROVAL. CONTRACTORS ARE TO BE FAMILIAR WITH ALL PORTIONS OF THE WORK. IT IS TO BE NOTED THAT SUBCONTRACTORS WORK IS NOT LIMITED TO SPECIFIC SHEETS AND THAT ALL OF THE DRAWINGS MAY BE PART OF THEIR SCOPE OF WORK AND/OR COORDINATION.

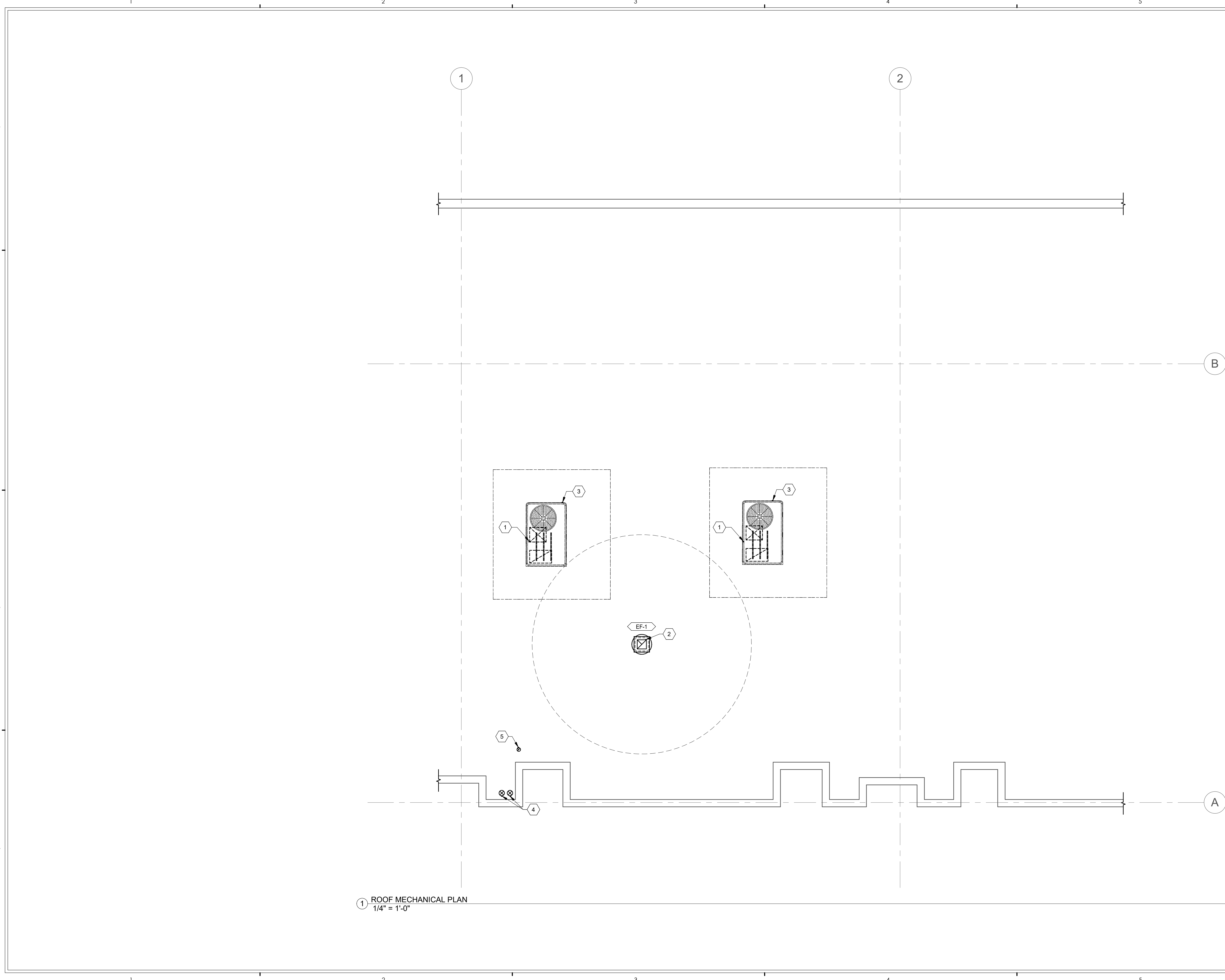
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REV.	DATE
PROJECT #	1918
DATE:	10/09/19
TITLE:	LEVEL 1 MECHANICAL PLAN

SHEET:
M-101



1 ROOF MECHANICAL PLAN
1/4" = 1'-0"

GENERAL SHEET NOTES

1. CONTRACTOR TO VERIFY EXISTING CONDITIONS AND MAKE MINOR ADJUSTMENTS TO LAYOUT AS NECESSARY TO AVOID CONFLICT.

SHEET KEYNOTES

- 1 SUPPLY AND RETURN DUCTS DOWN TO SPACE. REUSE EXISTING PENETRATIONS IF POSSIBLE.
- 2 10X10 EA DUCT DOWN TO SPACE.
- 3 CONNECT RTU TO EXISTING GAS LINES WHERE THEY EXIST IN FIELD.
- 4 6" COMBUSTION AIR DUCTS FOR WATER HEATER. TERMINATE WITH ROOF CAP.
- 5 4" WATER HEATER FLUE THROUGH ROOF. TERMINATE PER MANUFACTURER'S INSTRUCTION.

ANY CHANGES OR MODIFICATIONS TO THE DESIGN OF THE PROJECT IS TO BE PRESENTED TO THE ARCHITECT FOR REVIEW AND APPROVAL. CONTRACTORS ARE TO BE FAMILIAR WITH ALL PORTIONS OF THE WORK. IT IS TO BE NOTED THAT SUBCONTRACTORS WORK IS NOT LIMITED TO SPECIFIC SHEETS AND THAT ALL OF THE DRAWINGS MAY BE PART OF THEIR SCOPE OF WORK AND/OR COORDINATION.

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REV.	DATE
PROJECT #	1918
DATE:	10/09/19
TITLE:	ROOF MECHANICAL PLAN

SHEET:
M-102

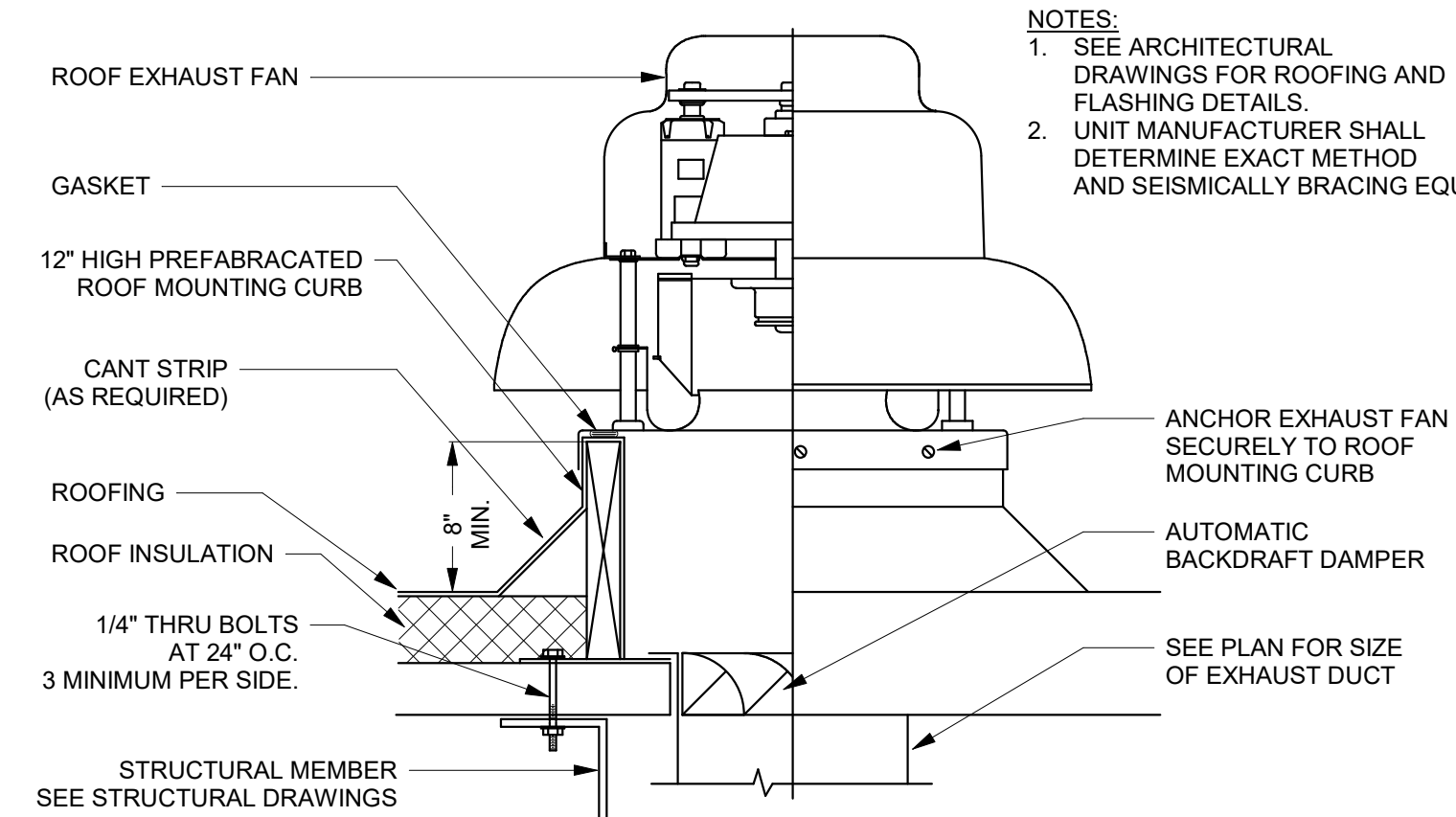
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C

B

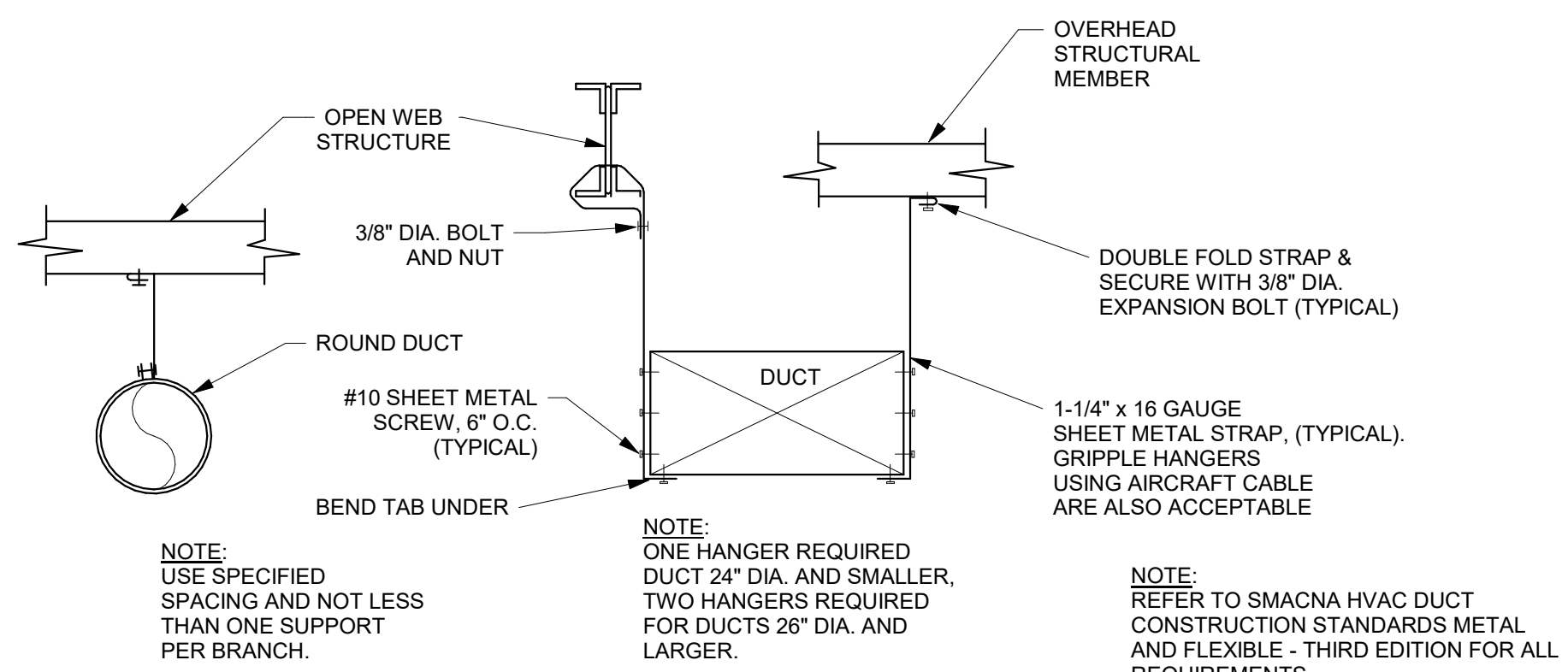
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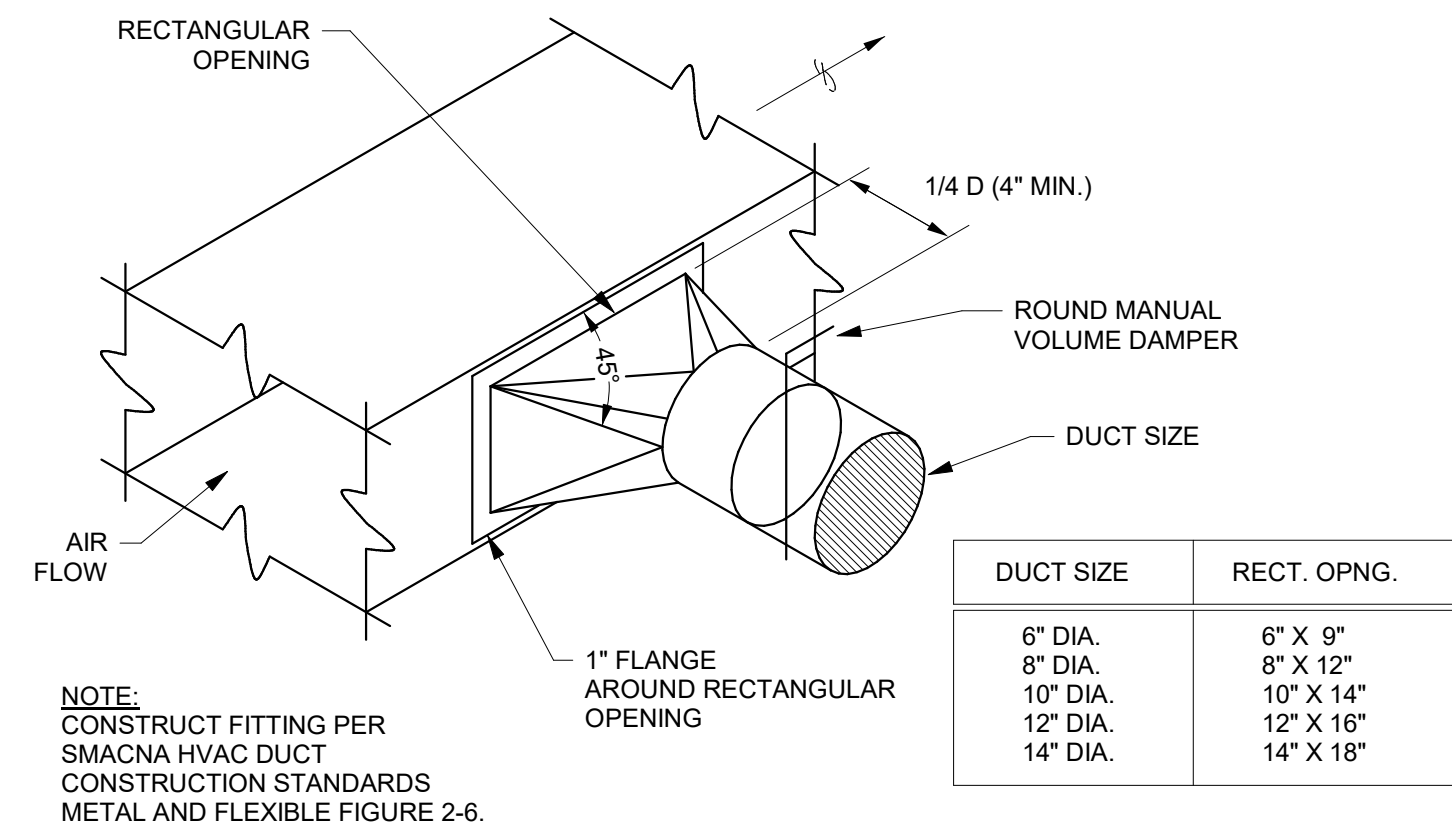
9 ROOF EXHAUST FAN
SCALE: NTS

5



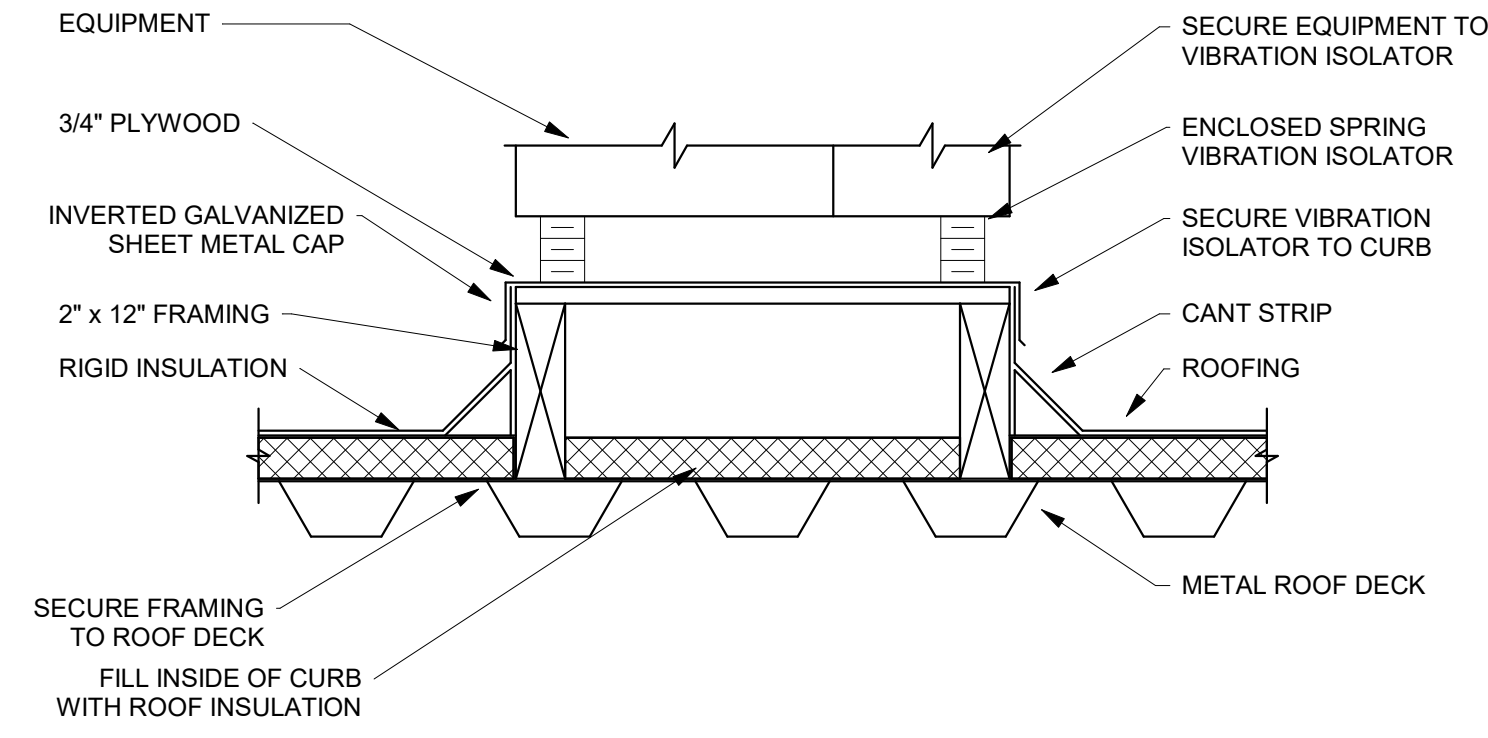
5 DUCT HANGER
SCALE: NTS

6



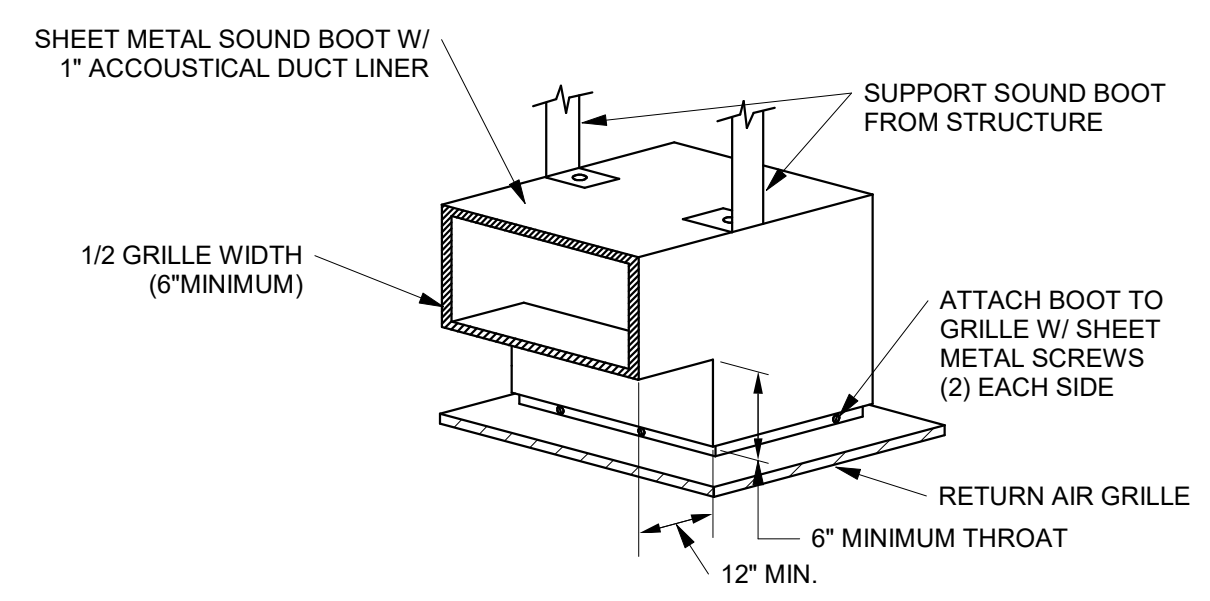
6 DUCT HIGH EFFICIENCY TAKE-OFF
SCALE: NTS

7



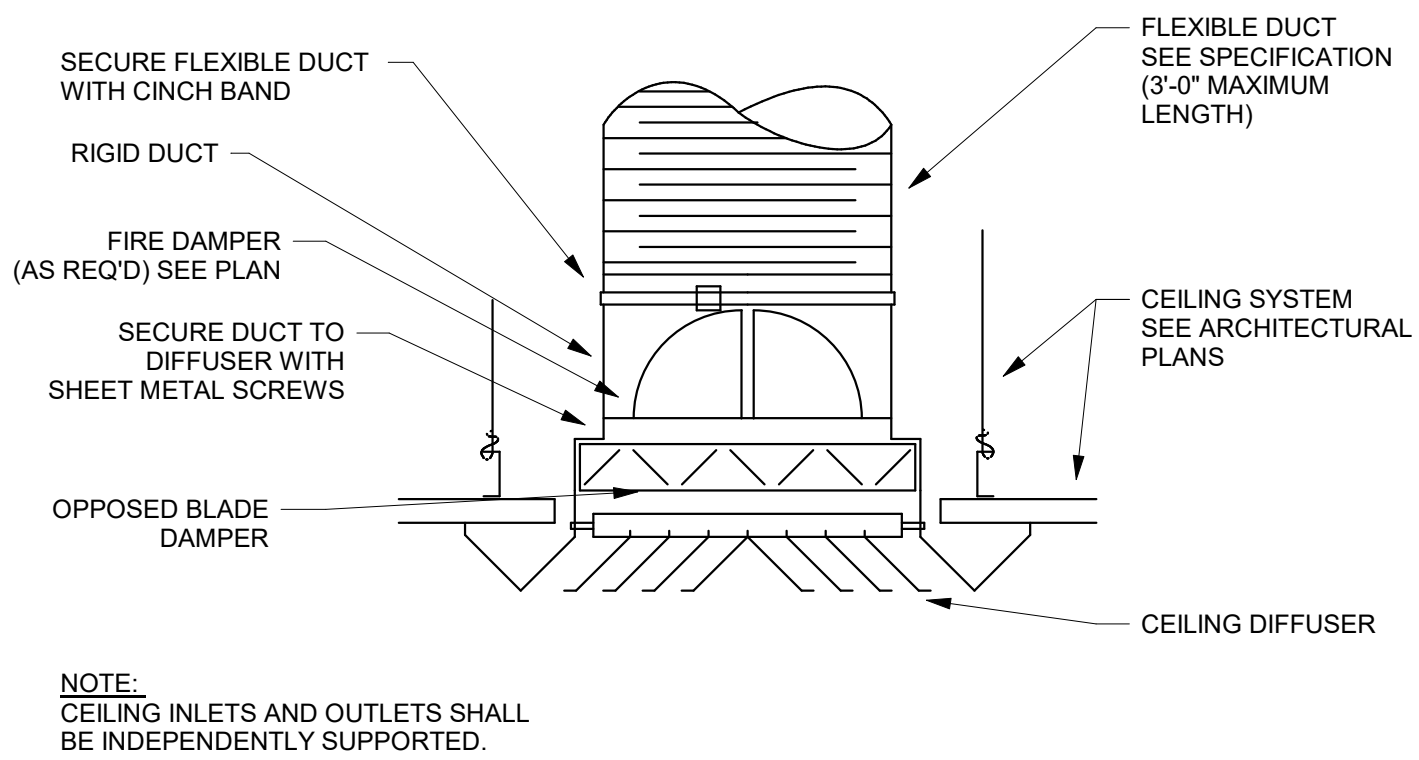
7 EQUIPMENT CURB DETAIL
SCALE: NTS

8



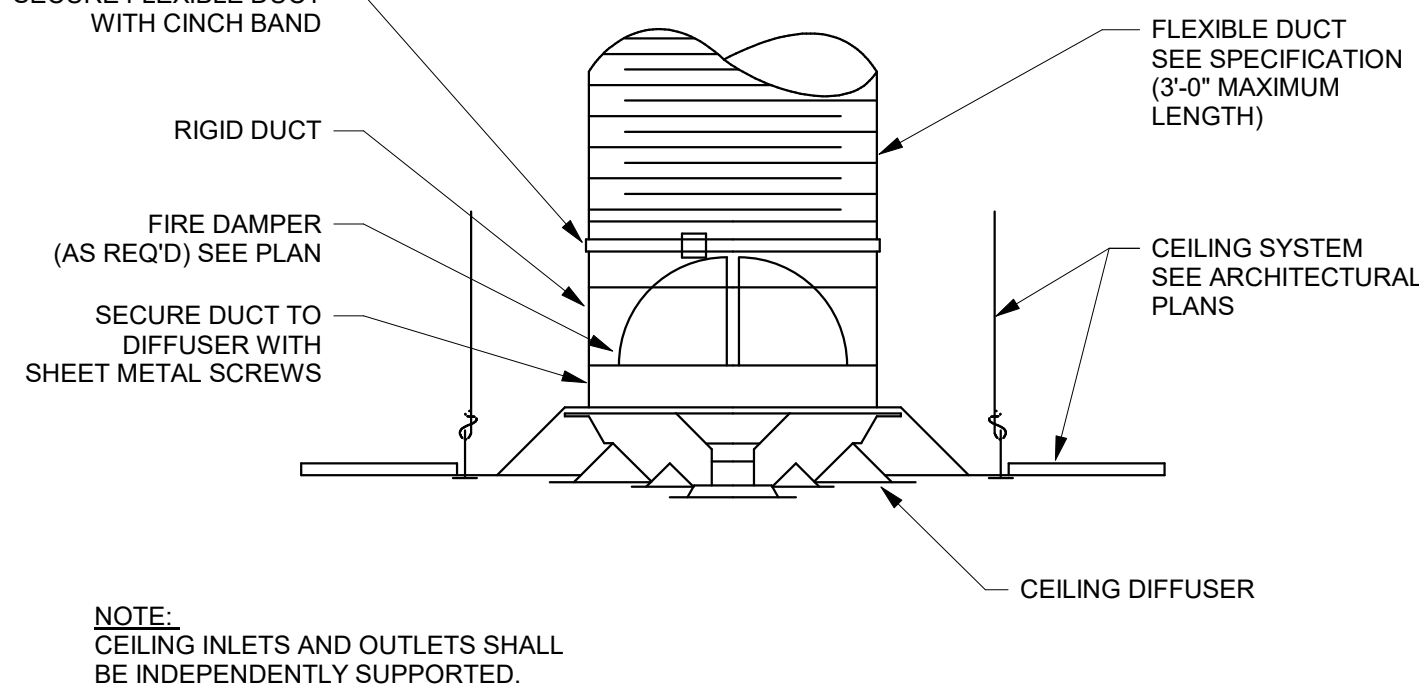
8 R.A. GRILLE WITH SOUND BOOT
SCALE: NTS

1



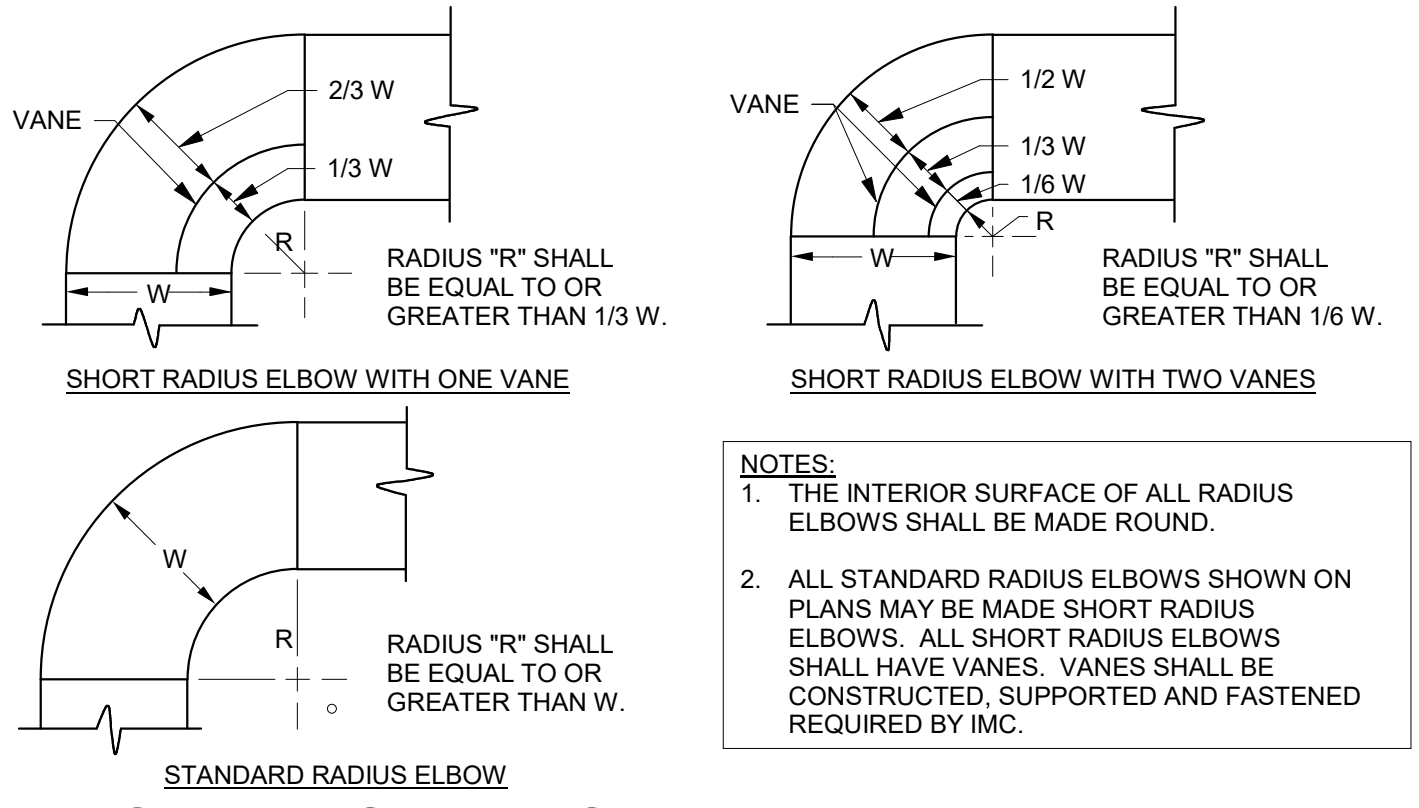
1 CEILING DIFFUSER - SURFACE
SCALE: NTS

2



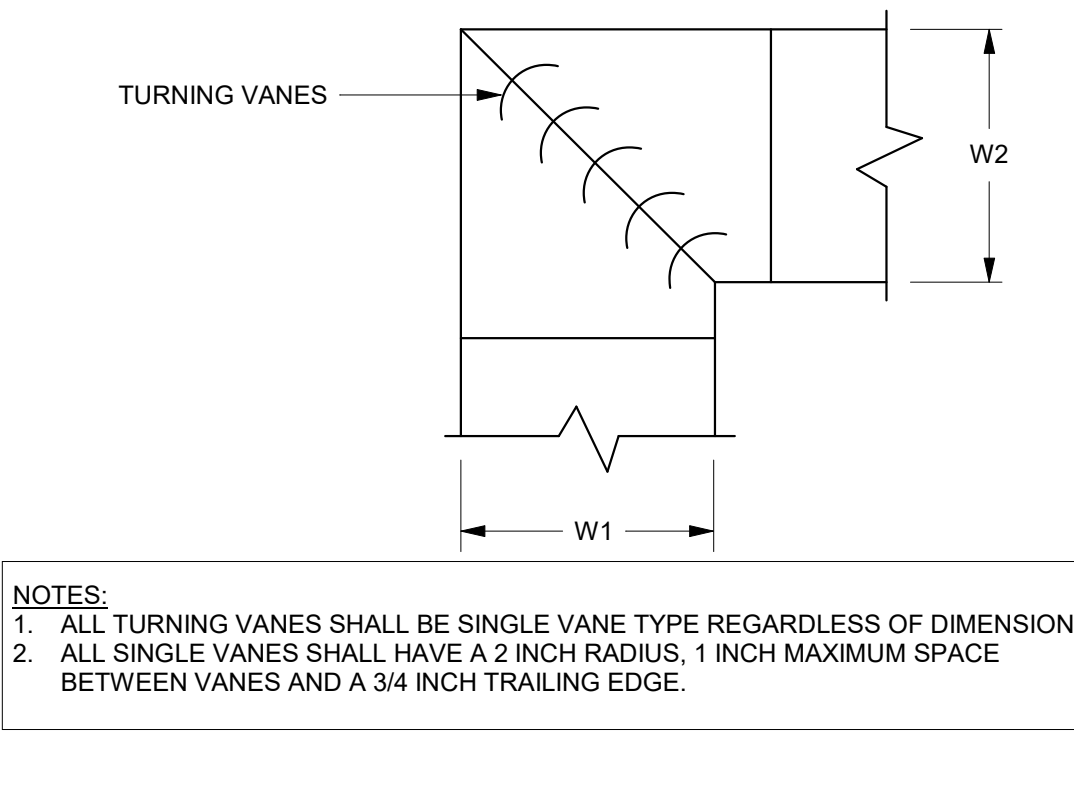
2 CEILING DIFFUSER LAY-IN
SCALE: NTS

3

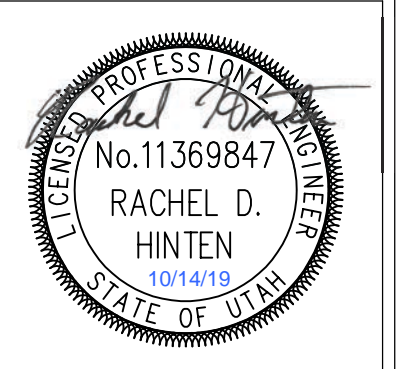


3 DUCT ELBOW - ROUND
SCALE: NTS

4



4 DUCT ELBOW - SQUARE
SCALE: NTS



REV.	DATE
PROJECT #	1918
DATE:	10/09/19
TITLE:	MECHANICAL DETAILS

ROOFTOP UNIT SCHEDULE

APPROVED EQUALS:	REMARKS:														
TRANE CARRIER DAIKIN	(1) ALL CAPACITIES ARE RATED AT SITE ELEVATION AND AMBIENT TEMPERATURE OF 117, AND EDB OF 98, EWB 63 (2) PROVIDE ECOBEE3 THERMOSTAT WITH REMOTE TEMPERATURE SENSOR (3) 100% ECONOMIZER WITH DRY BULB CONTROL WITH LOW LEAK DAMPERS AND FAULT DETECTION DIAGNOSTICS. (4) 100% MODULATING POWERED EXHAUST FOR UNITS OVER 4 TONS (5) FOR ALL UNITS OVER 7.5 TONS PROVIDE MODULATING SUPPLY FAN MOTOR AND TWO STAGE HEATING AND COOLING.					(6) SMOKE DETECTORS IN THE RETURN DUCT OF ALL UNITS OVER 2000 CFM. UNIT TO SHUTDOWN UPON SENSING SMOKE. (COORDINATE WITH AHJ PRIOR TO INSTALLATION TO CONFIRM IF NEEDED IN SUPPLY OR RETURN) - MANUFACTURER DEFAULTS TO RETURN) (7) PROVIDE WITH 14" SEISMICALLY CALCULATED SLOPED ROOF CURB WITH HOLD DOWN CLIPS (8) PROVIDE WITH FACTORY MOUNTED CIRCUIT BREAKER SIZED IN ACCORDANCE WITH CURRENT NEC. (9) CONTRACTOR TO PROVIDE CONDENSATE DRAIN TRAP PER MANUFACTURER'S RECOMMENDATIONS.					(10) PROVIDE CONDENSER COIL HAIL GUARD GRILLE. (11) ACCEPTABLE MANUFACTURERS: TRANE, CARRIER, DAIKIN OR PRIOR APPROVED EQUAL. (12) PROVIDE WITH MERV 8 FILTERS. (13) PROVIDE CO2 SENSOR TO ALLOW OUTSIDE AIR DAMPER TO SHUT WHEN READINGS INDICATE ROOM IS UNOCCUPIED. (14) STAINLESS STEEL HEAT EXCHANGER FOR UNITS OVER 50% OUTSIDE AIR				
LABEL	TOTAL CFM	EXT. S.P. (WC)	O. A. CFM	COOLING CAPACITY (BTUH) TOTAL	HEATING CAPACITY (BTUH) INPUT	OUTPUT	WEIGHT	MCA	VOLTAGE	PHASE	Hz	MOC	MANUFACTURER	MODEL	REMARKS
RTU-1	2000	1.00	360	60000.0	130000.0	104000.0	841	32.2	208	3	60	45	TRANE	YSC060	ALL
RTU-2	1200	1.00	165	36000.0	100000.0	80000.0	614	23.3	208	3	60	30	TRANE	YSC036	ALL

REGISTER - GRILLE- DIFFUSER SCHEDULE

APPROVED EQUALS:	REMARKS:											
KRUEGER TUTTLE & BAILEY TITUS PRICE	(1) REGISTERS AND GRILLES SHALL BE TESTED IN ACCORDANCE WITH ANSI/ASHRAE STD 70. (2) NC VALUES ARE BASED ON OCTAVE BAND SOUND POWER LEVELS MINUS A ROOM ABSORPTION OF 10 dB, RE 10(-12) WATTS. (3) COORDINATE EXACT COLOR SELECTION WITH OWNER AND ARCHITECT.											
LABEL	COUNT	TYPE	BLOW PATTERN	MAX AIR FLOW (CFM)	FACE SIZE	NECK SIZE	MAX NC	PRESSURE DROP (in-wg)	THROW	MANUFACTURER	MODEL	REMARKS
D-1	7	SQUARE PLAQUE	4 WAY	235	24x24	06	28	0.099	11	TITUS	OMNI	ALL
D-2	16	SQUARE PLAQUE	4 WAY	349	24x24	08	25	0.112	13	TITUS	OMNI	ALL
E-1	1	EXHAUST	-	700	12x12	-	30	0.130	-	TITUS	350RL	ALL
E-2	2	EXHAUST	-	2250	24x24	-	25	0.073	-	TITUS	350RL	ALL
R-1	9	EGGCRATE	-	3000	24x24	-	26	0.096	-	TITUS	50F	ALL

EXHAUST FAN SCHEDULE

APPROVED EQUALS:	REMARKS:												
PENN BARRY LOREN COOK TWIN CITY GREENHECK BROAN	(1) ALL ALUMINUM CONSTRUCTION (2) BACKDRAFT DAMPER (3) INTEGRAL THERMAL OVERLOAD PROTECTION (4) 14" ROOF CURB (5) DISCONNECT SWITCH					(6) CAPACITY AT JOB SITE ELEVATION (7) CEILING RADIATION DAMPER (8) CONTROLLED BY WALL SWITCH (9) INTERLOCK WITH LIGHTS							
LABEL	AREA SERVED	CFM	STATIC PRESSURE	FAN RPM	SOUND RATING	WEIGHT	HP	VOLTAGE	PHASE	Hz	MANUFACTURER	MODEL	REMARKS
EF-1	RESTROOMS	300	0.30 in-wg	1490	6.9	26	1/10	120	1	60	Greenheck	G-80-VG	(1)(2)(3)(4)(5)(6)(9)

DUCT INSULATION REQUIREMENTS

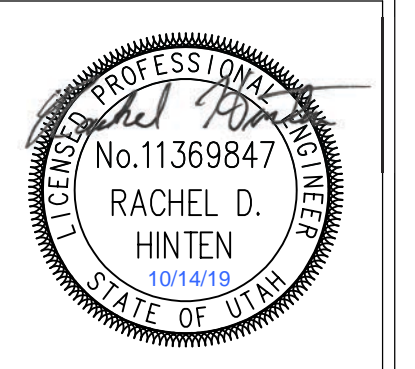
DUCT SYSTEM	DUCT LOCATION	INSULATION MATERIALS	MINIMUM THERMAL RESISTANCE ("R")	FIELD APPLIED JACKET
SUPPLY AIR	BUILDING INTERIOR, CONCEALED	MINERAL-FIBER BLANKET	6.0	NONE
	BUILDING INTERIOR, EXPOSED, OUTSIDE CONDITIONED SPACE	MINERAL-FIBER BLANKET	6.0	NONE
	BUILDING EXTERIOR, (OUTSIDE BUILDING INSULATION)	MINERAL-FIBER BLANKET	12.0	ALUMINUM
RETURN AIR	BUILDING INTERIOR, CONCEALED	MINERAL-FIBER BLANKET	6.0	NONE
	BUILDING INTERIOR, EXPOSED, OUTSIDE CONDITIONED SPACE	MINERAL-FIBER BLANKET	6.0	NONE
	BUILDING EXTERIOR, (OUTSIDE BUILDING INSULATION)	MINERAL-FIBER BLANKET	12.0	ALUMINUM
EXHAUST AIR	ALL	NONE	---	---
FLEXIBLE DUCT	BUILDING INTERIOR, CONCEALED OR EXPOSED	MINERAL-FIBER BLANKET	6.0	NONE
	BUILDING INTERIOR	POLYETHYLENE INNER AND OUTER JACKET	6.0	NONE

NOTES

- ALL DUCT INSULATION SHALL HAVE ALL SERVICE JACKET MANUFACTURER FROM KRAFT PAPER, REINFORCED SCRIM, ALUMINUM FOIL, OR VINYL FILM.
- DUCT INSULATION SHALL BE MECHANICALLY FASTENED TO DUCTS WIDER THAN 24" AND SHALL BE AFFIXED TO BOTTOM OF DUCT WITH WELDED METAL PINS AND 2" WASHERS AT 18" MAXIMUM SPACING.
- DUCT LINER, WHERE SHOWN ON DRAWINGS, SHALL BE A MINIMUM OF 1" THICK AND SHALL HAVE A MINIMUM "R" VALUE OF 3.8.
- DUCT LINER SHALL NOT BE SUBSTITUTED FOR DUCT WRAP UNLESS THE MINIMUM "R" VALUE OF THE DUCT LINER IS INCREASED TO 5.0.
- DUCT DIMENSIONS SHOWN ON THE DRAWINGS ARE NET FREE AREA. WHERE DUCT LINER IS SHOWN, INCREASE METAL DUCT SIZE TO ALLOW FOR THICKNESS OF DUCT LINER.
- TOTAL LENGTH OF FLEXIBLE DUCT RUN SHALL NOT EXCEED 3'-0". EXTEND SHEET METAL DUCT OT WITHIN 3'-0" OF THE AIR INLET OR AIR OUTLET DEVICE.
- OFFSET OF FLEXIBLE DUCT SHALL NOT EXCEED ONE HALF OF THE DUCT DIAMETER.
- ALL DUCT CHANGES IN DIRECTION SHALL BE MADE WITH RIGID ELBOWS OR OTHER RIGID METAL FITTINGS.
- INDOOR DUCT INSULATION AND RELATED MATERIALS SHALL HAVE A FLAME-SPREAD INDEX OF 25 OR LESS, AND SMOKE-DEVELOPED INDEX OF 50 OR LESS WHEN TESTED TO ASTM 84.
- OUTDOOR DUCT INSULATION AND RELATED MATERIALS SHALL HAVE A FLAME-SPREAD INDEX OF 75 OR LESS, AND SMOKE-DEVELOPED INDEX OF 150 OR LESS WHEN TESTED TO ASTM 84.
- ALL DUCT COVERINGS AND LININGS SHALL NOT FLAME, GLOW, SMOLDER, OR SMOKE WHEN TESTED IN ACCORDANCE WITH ASTM 411.
- ALL MATERIALS USED AS INTERNAL INSULATION AND EXPOSED TO THE AIR STREAM IN DUCTS SHALL BE SHOWN TO BE DURABLE WHEN TESTED IN ACCORDANCE WITH UL 181.



MCKAY-DEE
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REV.	DATE
PROJECT #	1918
DATE:	10/09/19
TITLE:	MECHANICAL SCHEDULES

ANY CHANGES OR MODIFICATIONS TO THE DESIGN OF THE PROJECT IS TO BE PRESENTED TO THE ARCHITECT FOR REVIEW AND APPROVAL. CONTRACTORS ARE TO BE FAMILIAR WITH ALL PORTIONS OF THE WORK. IT IS TO BE NOTED THAT SUBCONTRACTORS WORK IS NOT LIMITED TO SPECIFIC SHEETS AND THAT ALL OF THE DRAWINGS MAY BE PART OF THEIR SCOPE OF WORK AND/OR COORDINATION.

SHEET:
M-601

MISC. SYMBOL LEGEND	
SYMBOL	DESCRIPTION
	DETAIL INDICATOR: # INDICATES DETAIL NUMBER, SHEET INDICATES DRAWING SHEET WHERE DETAIL IS SHOWN.
	ELEVATION OR SECTION INDICATOR, EXTERIOR: # INDICATES ELEVATION OR SECTION NUMBER, SHEET INDICATES DRAWING SHEET WHERE ELEVATION OR SECTION IS SHOWN.
	ROOM OR SPACE NUMBER.
	KEYNOTE INDICATOR.
	REVISION INDICATOR.
	EQUIPMENT INDICATOR.
	PLUMBING FIXTURE INDICATOR.
	DIFFUSER/GRILLE INDICATOR.
	DIFFUSER/GRILLE INDICATOR.
	BREAK, STRAIGHT
	BREAK, ROUND.
	MATCH LINE INDICATOR
	HIDDEN FEATURES LINE: HIDDEN, THIN LINE.
	CONTRACT LIMIT LINE: DASHDOT, WIDE LINE.
	NEW CONNECTION POINT TO EXISTING

PLUMBING SYMBOL LEGEND	
SYMBOL	DESCRIPTION
	CATCH BASIN
	MANHOLE
	WALL HYDRANT
	HOSE BIBB
	CLEANOUT TO GRADE
	FLOOR CLEANOUT
	WALL CLEANOUT
	1/2 GRATE
	3/4 GRATE
	FULL GRATE

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

PLUMBING PIPING LEGEND	
SYMBOL	DESCRIPTION
	SANITARY SEWER (SS)
	GREASE WASTE (GW)
	VENT (V)
	ACID VENT
	ACID WASTE
	DOMESTIC COLD WATER (DCW)
	DOMESTIC HOT WATER (DHW)
	DOMESTIC HOT WATER RECIRC (DHWR)
	180°F HOT WATER
	180° HOT WATER RETURN
	160° HOT WATER
	160° HOT WATER RETURN
	RAINWATER
	SECONDARY RAINWATER
	STORM DRAIN
	VENT THRU ROOF
	NON POTABLE WATER
	EXISTING PIPE
	EXISTING PIPE TO BE REMOVED
	IRRIGATION WATER
	SANITARY SEWER
	LOW PRESSURE STEAM
	CHILLED WATER SUPPLY
	CHILLED WATER RETURN
	HEATING HOT WATER SUPPLY
	HEATING HOT WATER RETURN
	CONDENSER WATER SUPPLY
	CONDENSER WATER RETURN
	GLYCOL SUPPLY
	GLYCOL RETURN
	GAS
	FIRE PROTECTION
	PROPANE
	VACUUM
	COMPRESSED AIR
	MEDICAL AIR
	OXYGEN
	NITROUS OXIDE
	NITROGEN
	CARBON DIOXIDE
	EVACUATION

SYMBOL LEGEND	
SYMBOL	DESCRIPTION
VALVES, METERS, AND GAUGES	
	SHUT OFF VALVE
	GATE VALVE
	CHECK VALVE
	AUTO 2-WAY VALVE
	AUTO 3-WAY VALVE
	GLOBE VALVE
	BALL VALVE
	RELIEF VALVE
	CHAIN OPERATED GATE VALVE
	PRESSURE REDUCING VALVE
	BUTTERFLY VALVE
	SOLENOID VALVE
	ANGLE VALVE
	VENTURI
	BALANCING OR PLUG COCK
	FLOW SETTER
	EXPANSION VALVE (REFRIG.)
	GAS COCK
	MANUAL AIR VENT
	STRAINER
	GAUGE COCK
	FLEXIBLE CONNECTION
	PRESSURE GAUGE
	THERMOMETER
	VICTUALIC COUPLING
	REDUCER CONCENTRIC
	REDUCER ECCENTRIC
	REFRIGERANT SITE GLASS
	REFRIGERANT STRAINER
	REFRIGERANT FILTER DRIER
	90 DEG ELBOW UP
	90 DEG ELBOW DOWN
	90 DEG TEE UP
	90 DEG TEE DOWN
	UNION
	CAPPED PIPE
	ANCHOR
	FLOAT AND THERMOSTATIC TRAP

PLUMBING SHEET INDEX	
P-001	PLUMBING COVER SHEET
P-100	PLUMBING DEMOLITION PLAN
P-101	LEVEL 1 PLUMBING PLAN - DWV
P-102	LEVEL 1 PLUMBING PLAN - WATER
P-501	PLUMBING DETAILS
P-601	PLUMBING SCHEDULES

ABBREVIATIONS	
NOTE: ALL ABBREVIATIONS MAY NOT BE USED.	
(E)	EXISTING
(F)	FUTURE
AD	ACCESS DOOR
AIR COND	AIR CONDITION(-ING,-ED)
APD	AIR PRESSURE DROP
BD	BALANCING DAMPER
BHP	BRAKE HORSE POWER
BTU	BRITISH THERMAL UNIT
BTU/H	BTU/HOUR
CFH	CUBIC FEET PER HOUR
CFM	CUBIC FEET PER MINUTE
COND	CONDENS(-ER, -ING, -ATION)
CV	CONTROL VALVE
DB	DRY BULB TEMPERATURE
DCW	DOMESTIC COLD WATER
DHW	DOMESTIC HOT WATER
DHWR	DOMESTIC HOT WATER RECIRC
DP	DEPTH OR DEEP
EA	EXHAUST AIR
EER	ENERGY EFFICIENCY RATIO
EFF	EFFICIENCY
ELEC	ELECTRIC
ELEV	ELEVATION
ENT	ENTERING
EVAP	EVAPORAT(-E, -ING, -ED, -OR)
EWT	ENTERING WATER TEMPERATURE
EXT	EXTERNAL
FC	FLEXIBLE CONNECT(-OR, -ION)
FD	FIRE DAMPER
FLA	FULL LOAD AMPS
FPI	FINS PER INCH
FBM	FEET PER MINUTE
FPS	FEET PER SECOND
FSD	FIRE SMOKE DAMPER
GE	GREASE EXHAUST
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
HD	HEAD
HG	MERCURY
HP	HORSEPOWER
HR	HOUR
HT	HEIGHT
HTG	HEATING
HZ	HERTZ (FREQUENCY)
ID	INSIDE DIAMETER
IN	INCH
KW	KILOWATT
LAT	LEAVING AIR TEMPERATURE
LBS	POUNDS
LG	LENGTH
LH	LATENT HEAT
LRA	LOCKED ROTOR AMPS
LVS	LEAVING
LWT	LEAVING WATER TEMPERATURE
MBH	THOUSAND BTU PER HOUR
MCA	MINIMUM CIRCUIT AMPS
MFR	MANUFACTUR(-ER, -ED)
NC	NORMALLY CLOSED
NC	NOISE CRITERIA
NIC	NOT IN CONTRACT
NO	NORMALLY OPEN
NPSH	NET POSITIVE SUCTION HEAD
NTS	NOT TO SCALE
OA	OUTSIDE AIR
OD	OUTSIDE DIAMETER
OZ	OUNCE
PD	PRESSURE DROP OR DIFFERENCE
PG	PROPYLENE GLYCOL
PH	PHASE
PPM	PARTS PER MILLION
PRESS	PRESSURE
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PSIA	PSI ABSOLUTE
PSIG	PSI GAUGE
R	THERMAL RESISTANCE
RA	RETURN AIR
RECIRC	RECIRCULATE
REFR	REFRIGERATION
REQD	REQUIRED
RLA	RATED LOAD AMPS
RPM	REVOLUTIONS PER MINUTE
SA	SUPPLY AIR
SC	SHADING COEFFICIENT
SCFM	STANDARD CUBIC FEET PER MINUTE
SCW	SOFT COLD WATER
SF	SAFETY FACTOR
SH	SENSIBLE HEAT
SL	SEA LEVEL
SP	STATIC PRESSURE
SPEC(S)	SPECIFICATION(S)
SQ	SQUARE
STD	STANDARD
SW	SOIL, WASTE
TA(R)	TRANSFER AIR (RETURN)
TA(S)	TRANSFER AIR (SUPPLY)
TD	TEMP. DROP OR DIFF.
TEMP	TEMPERATURE
THERM	THERMAL
TOT	TOTAL
TSTAT	THERMOSTAT
V	VENT
V	VENT
VAC	VACUUM
VAV	VARIABLE AIR VOLUME
VEL	VELOCITY TEMPERATURE
VEL	VELOCITY
VENT	VENT, VENTILATION
VERT	VERTICAL
VFD	VARIABLE FREQUENCY DRIVE
VOL	VOLUME
WB	WET BULB TEMP
WC	WATER COLUMN
WG	WATER GAUGE
WPD	WATER PRESSURE DROP
WT	WEIGHT
WTR	WATER

PLUMBING GENERAL NOTES	
1	THE PLUMBING DRAWINGS SHOW THE GENERAL DESIGN, ARRANGEMENT AND EXTENT OF THE PLUMBING SYSTEM. BECAUSE OF THE SMALL SCALE OF THE DRAWINGS, THESE DRAWINGS DO NOT SHOW ALL OFFSETS, BENDS OR ELBOWS NECESSARY FOR THE COMPLETE INSTALLATION IN THE SPACE PROVIDED. CONTRACTOR SHALL MAKE SUCH SLIGHT ALTERATIONS AS MAY BE NECESSARY TO MAKE THE SYSTEM COMPLETE AND OPERATIONAL IN ACCORDANCE WITH THE DESIGN INTENT. MAJOR DEVIATIONS SUCH AS CHANGES IN COMPONENT SIZES, WEIGHTS, QUANTITIES OR MATERIAL REQUIRE PRIOR APPROVAL BY THE DESIGN ENGINEER.
2	THE DRAWINGS AND SPECIFICATIONS HAVE BEEN PREPARED TO SUPPLEMENT EACH OTHER AND SHALL BE INTERPRETED AS AN INTEGRAL UNIT WITH THE ITEMS SHOWN ON ONE AND NOT THE OTHER BEING FURNISHED AND INSTALLED AS THOUGH SHOWN AND CALLED OUT IN BOTH.
3	THE ENTIRE PLUMBING INSTALLATION SHALL CONFORM TO THE REQUIREMENTS OF THE MOST RECENTLY ADOPTED BUILDING CODES, MECHANICAL CODE, PLUMBING CODE, ELECTRICAL CODE, AND ALL OTHER APPLICABLE CITY, COUNTY, STATE, AND FEDERAL CODES AND REGULATIONS IN EFFECT.
4	THE ENTIRE PLUMBING INSTALLATION SHALL CONFORM TO ANY CODES, RULES, REGULATIONS AND REQUIREMENTS OF THE BUILDING OWNER.
5	PRIOR TO FABRICATION AND INSTALLATION OF ANY PLUMBING COMPONENT THE CONTRACTOR SHALL COORDINATE THE INSTALLATION OF ALL PLUMBING WORK WITH ALL OTHER BUILDING TRADES, INCLUDING BUILDING TRADES HIRED DIRECTLY BY THE OWNER. WHERE CONFLICTS MAY OCCUR, THEY SHALL BE RESOLVED PRIOR TO INSTALLATION.
6	ALL PLUMBING INFORMATION IS NOT SHOWN ON THE PLUMBING DRAWINGS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL INFORMATION ON ALL OTHER CONSTRUCTION DOCUMENTS.
7	THE CONTRACTOR SHALL BE RESPONSIBLE TO REVIEW AND USE, WHERE APPROPRIATE, ALL THE PLUMBING DETAILS SHOWN ON THE DRAWINGS. DETAILS MAY OR MAY NOT BE CALLED OUT ON THE DRAWINGS WITH SYMBOLS OR KEYED NOTES. ANY CHANGES RESULTING FROM FAILURE TO INSTALL THE PLUMBING SYSTEM WITHOUT USING THE INCLUDED DETAILS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
8	ANY PART OF THE PLUMBING INSTALLATION THAT FAILS, IS UNFIT, OR BECOMES DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
9	PROVIDE PROPER PROVISIONS FOR EXPANSION, CONTRACTION, OR MOVEMENT OF ALL PIPING.
10	PROVIDE LARGE ENOUGH PIPE SLEEVES THROUGH WALL OR FLOOR TO ALLOW FOR ANTICIPATED DIFFERENTIAL MOVEMENT.
11	ALL PIPING SHALL BE SUPPORT WITH CLEVIS HANGERS (MSS TYPE 1), PERFORATED METAL STRAPS OR PLASTIC STRAPPING (PLUMBER TAPE) SHALL NOT BE USED TO SUPPORT OR BRACE ANY PIPE.
12	PROVIDE PIPE HANGERS WITHIN 18-INCHES OF ALL CHANGES OF DIRECTION.
13	PROVIDE SWAY BRACING FOR ALL PIPING 4" AND LARGER AT ALL CHANGES IN DIRECTION GREATER THAN 45-DEGREES.
14	ALL STEEL CLEVIS HANGERS USED TO SUPPORT COPPER PIPING SHALL BE COPPER OR PLASTIC COATED.
15	COPPER PIPING SHALL NOT COME IN CONTACT WITH FIRE TREATED LUMBER. PROVIDE 1/2" THICK SLIP-ON CLOSED CELL INSULATION WHERE COPPER PIPING IS ADJACENT TO FIRE TREATED LUMBER. CLOSED CELL INSULATION SHALL EXTEND A MINIMUM OF 1-1/2" PAST LUMBER.
16	ALL EXPOSED PIPING SHALL BE INSTALLED IN A NEATLY ARRANGED MANNER PARALLEL TO THE BUILDING STRUCTURE.
17	ALL EXPOSED DOMESTIC WATER PIPE IN OCCUPIED SPACES SHALL BE POLISHED CHROME PLATED.
18	ALL EXPOSED DRAINAGE PIPING IN OCCUPIED SPACES INCLUDING TRAPS UNDER SINKS SHALL BE POLISHED CHROME PLATED.
19	DRAWINGS SHOW GENERAL ARRANGEMENT OF THE DRAIN WASTE AND VENT SYSTEM WITH THE REQUIRED CLEANOUTS. CONTRACTOR SHALL PROVIDE ALL ADDITIONAL CLEANOUTS AS REQUIRED BY THE PLUMBING CODE.
20	ALL SANITARY DRAINAGE SYSTEM PIPING 3" AND LARGER SHALL BE SLOPED IN DIRECTION OF FLOW AT A MINIMUM OF 1/8" PER FOOT.
21	ALL SANITARY DRAINAGE SYSTEM PIPING SMALLER THAN 3" SHALL BE SLOPED IN DIRECTION OF FLOW AT A MINIMUM OF 1/4" PER FOOT.
22	SLOPE VENT SYSTEM TOWARDS DRAINAGE SYSTEM.
23	SIMILAR EQUIPMENT SHALL BE OF THE SAME MANUFACTURER.
24	ALL EQUIPMENT SHALL PROVIDE THE SCHEDULED PERFORMANCE AT THE JOB SITE ELEVATION.
25	FIXTURE AND EQUIPMENT MODEL NUMBERS SHOWN IN PLUMBING FIXTURE SCHEDULE AND PLUMBING EQUIPMENT SCHEDULE ARE SHOWN TO ESTABLISH THE TYPE OF PRODUCT THAT SHALL BE USED. THE SELECTED PRODUCT SHALL MEET THE SCHEDULED PERFORMANCE DATA SHOWN ON THE SCHEDULE EVEN IF A DIFFERENT MODEL IS SUPPLIED THAT IS DIFFERENT THAN THAT SCHEDULED.
26	ALL EQUIPMENT SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE EQUIPMENT MANUFACTURER'S INSTALLATION INSTRUCTIONS. PROVIDE ALL NECESSARY FITTINGS, TRANSITIONS, VALVES AND OTHER DEVICES AND ACCESSORIES REQUIRED FOR A COMPLETE, WORKABLE INSTALLATION.
27	SEE "PLUMBING FIXTURE SCHEDULE" FOR INDIVIDUAL TRAPS, WASTE, VENT, AND DOMESTIC WATER PIPING FOR INDIVIDUAL FIXTURES.
28	ALL PLUMBING EQUIPMENT SHALL BE LISTED AND LABELED BY AN APPROVED TESTING AGENCY.
29	FIXTURES, EQUIPMENT AND PIPING INSTALLATION SHALL MEET NSF STANDARDS.

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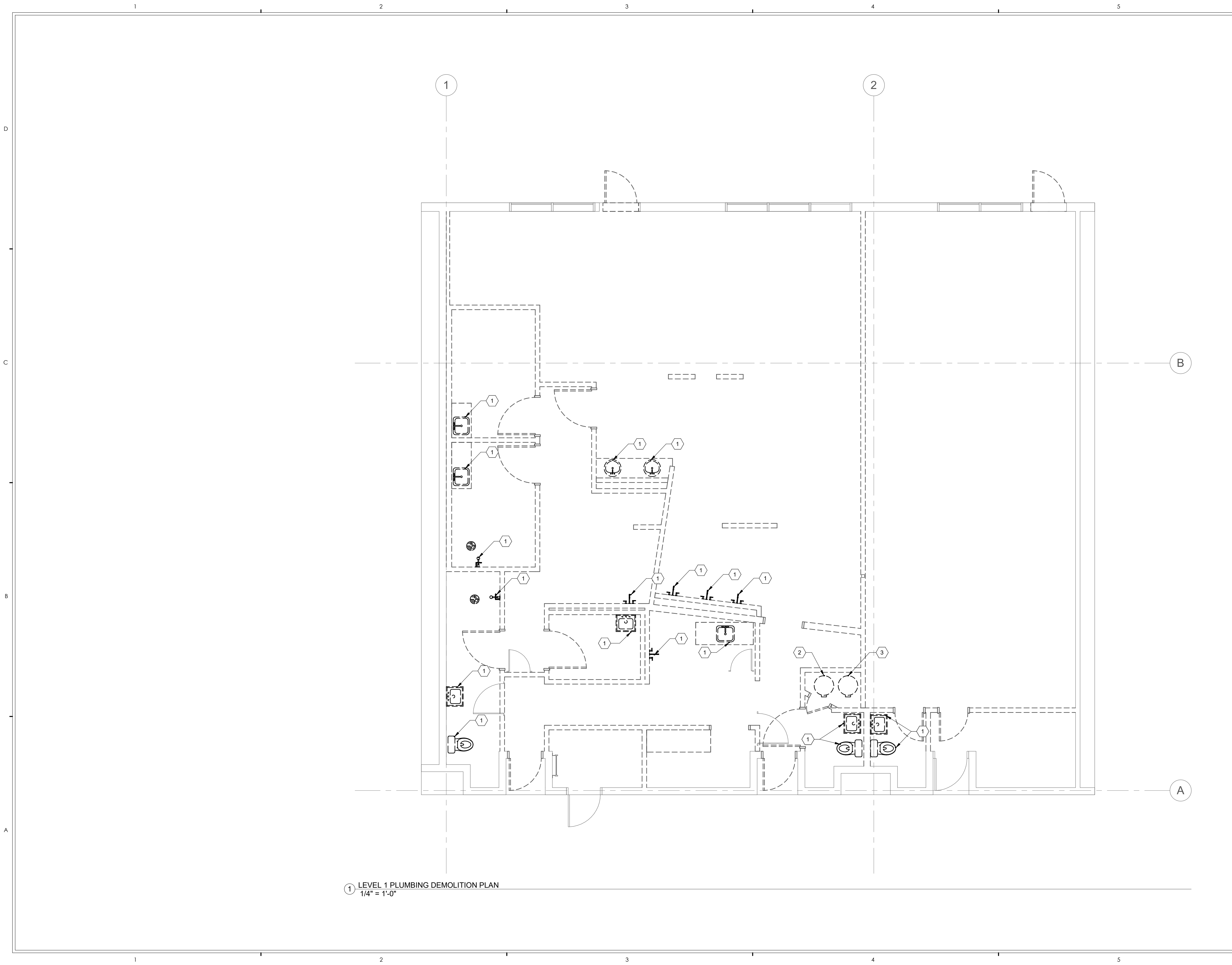
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 4421 HARRISON BLVD., SUITE #A6, OGDEN, UT 84403

PROFESSIONAL ENGINEER
 No. 11369847
 RACHEL D. HINTEN
 10/14/19
 STATE OF UTAH

REV.	DATE

PROJECT # 1918
 DATE: 10/09/19
 TITLE: PLUMBING COVER SHEET

SHEET:
P-001



① LEVEL 1 PLUMBING DEMOLITION PLAN
1/4" = 1'-0"

GENERAL SHEET NOTES

1. NOT ALL EXISTING CONDITIONS SHOW. CONTRACTOR TO VERIFY ALL LOCATIONS OF FIXTURES, PIPE, ACCESSORIES, ETC. IN FIELD AND REMOVE AS NECESSARY.

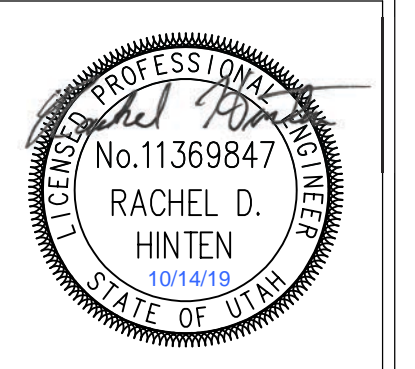
SHEET KEYNOTES

- 1 REMOVE EXISTING FIXTURE AND CAP PIPES AT NEAREST MAIN. CONTRACTOR TO VERIFY LOCATION.
- 2 MOVE EXISTING WATER HEATER TO NEW LOCATION.
- 3 REMOVE WATER HEATER AND ALL ACCESSORIES AND VENTS.

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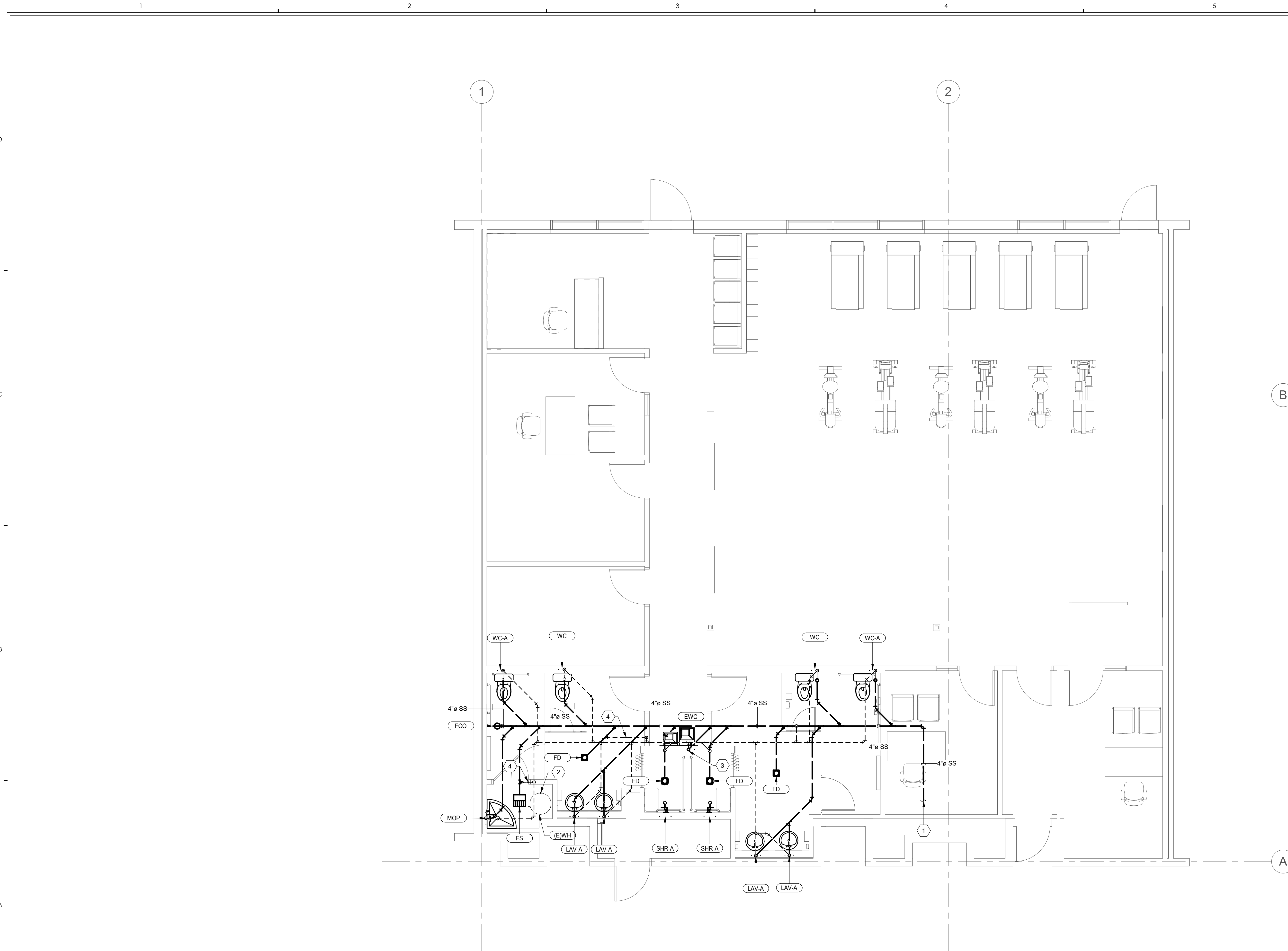
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REV.	DATE
PROJECT #	1918
DATE:	10/09/19
TITLE:	PLUMBING DEMOLITION PLAN

SHEET:
P-100



① LEVEL 1 PLUMBING PLAN - DWV
1/4" = 1'-0"

GENERAL SHEET NOTES

1. CONTRACTOR TO VERIFY EXISTING CONDITIONS AND MAKE MINOR ADJUSTMENTS AS NECESSARY TO AVOID CONFLICT.

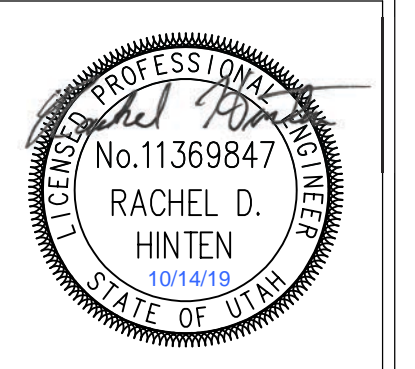
SHEET KEYNOTES

1. CONNECT SANITARY TO NEAREST MAIN WHERE IT EXISTS IN THE FIELD. CONTRACTOR TO VERIFY LOCATION.
2. EXISTING WATER HEATER MOVED TO NEW LOCATION. RECONNECT TO NEAREST GAS LINE WITH NEW PRESSURE REGULATOR.
3. 2" VENT THROUGH ROOF.
4. RUN VENT FROM FLOOR DRAIN UNDERGROUND TO NEAREST WALL THEN RISE TO JOIN VENT MAIN.

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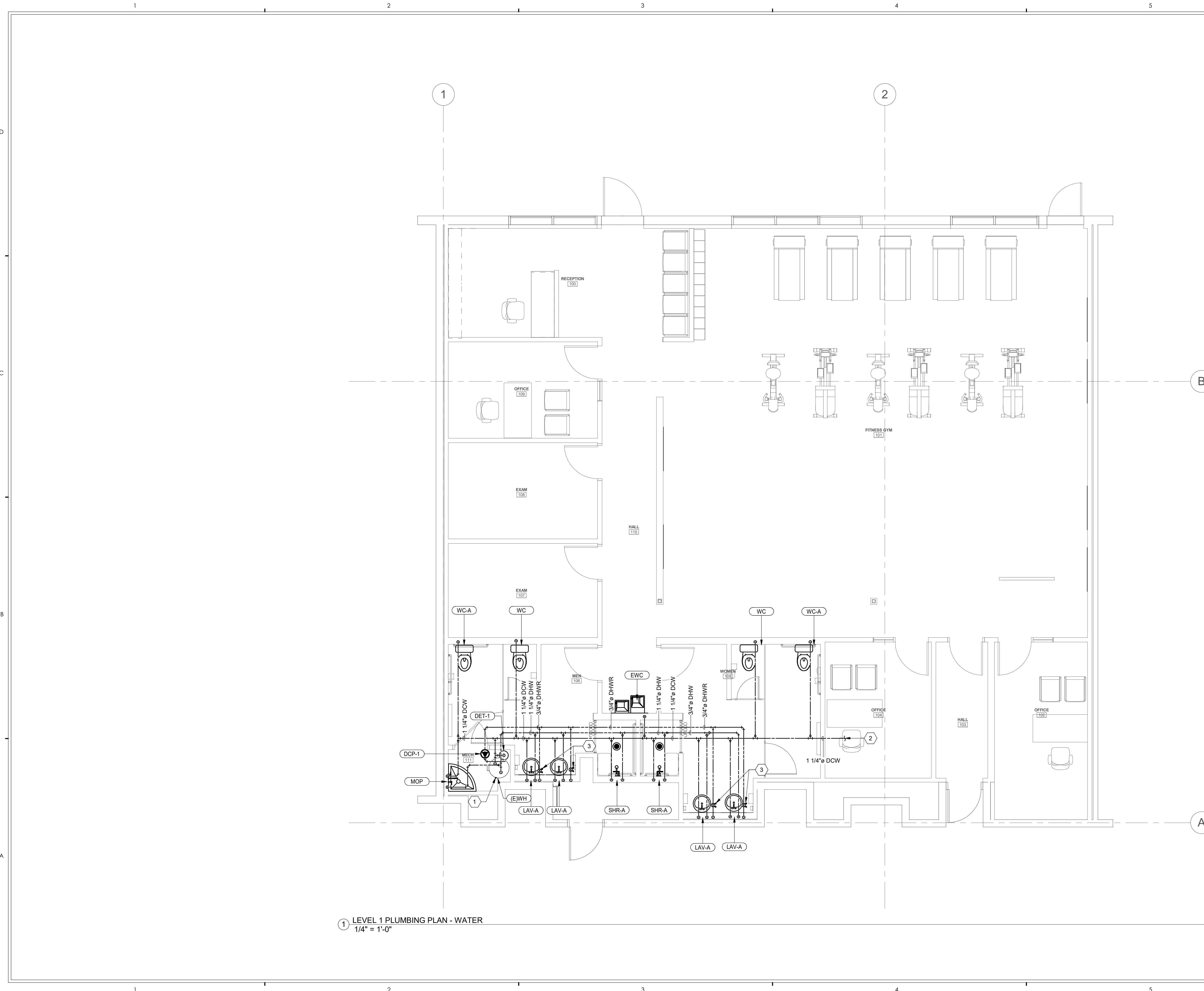
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REV.	DATE
PROJECT #	1918
DATE:	10/09/19
TITLE:	LEVEL 1 PLUMBING PLAN - DWV

SHEET:
P-101



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

GENERAL SHEET NOTES

1. CONTRACTOR TO VERIFY EXISTING CONDITIONS AND MAKE MINOR ADJUSTMENTS AS NECESSARY TO AVOID CONFLICT.

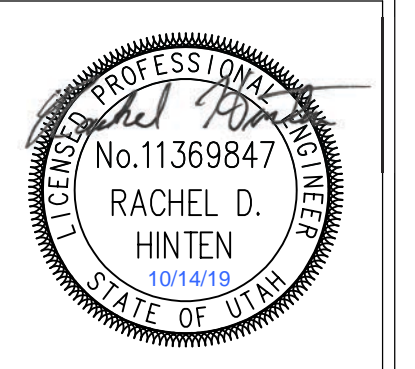
SHEET KEYNOTES

1. EXISTING WATER HEATER MOVED TO NEW LOCATION. RECONNECT TO NEAREST GAS LINE WITH NEW PRESSURE REGULATOR.
2. CONNECT DCW TO NEAREST MAIN WHERE IT EXISTS IN THE FIELD. CONTRACTOR TO VERIFY LOCATION.
3. CIRCUIT SETTER TO BE BELL AND GOSSETT CB MODEL. BALANCE TO 0.5 GPM. INSTALL PER DETAIL 8 ON P-501.

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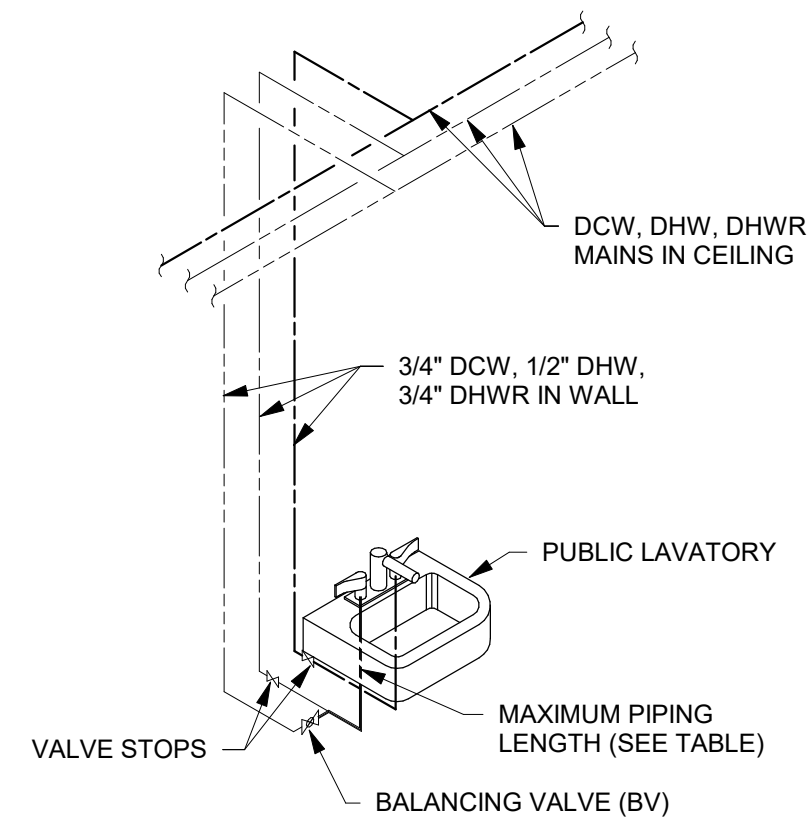
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REV.	DATE
PROJECT #	1918
DATE:	10/09/19
TITLE:	LEVEL 1 PLUMBING PLAN - WATER

SHEET:
P-102

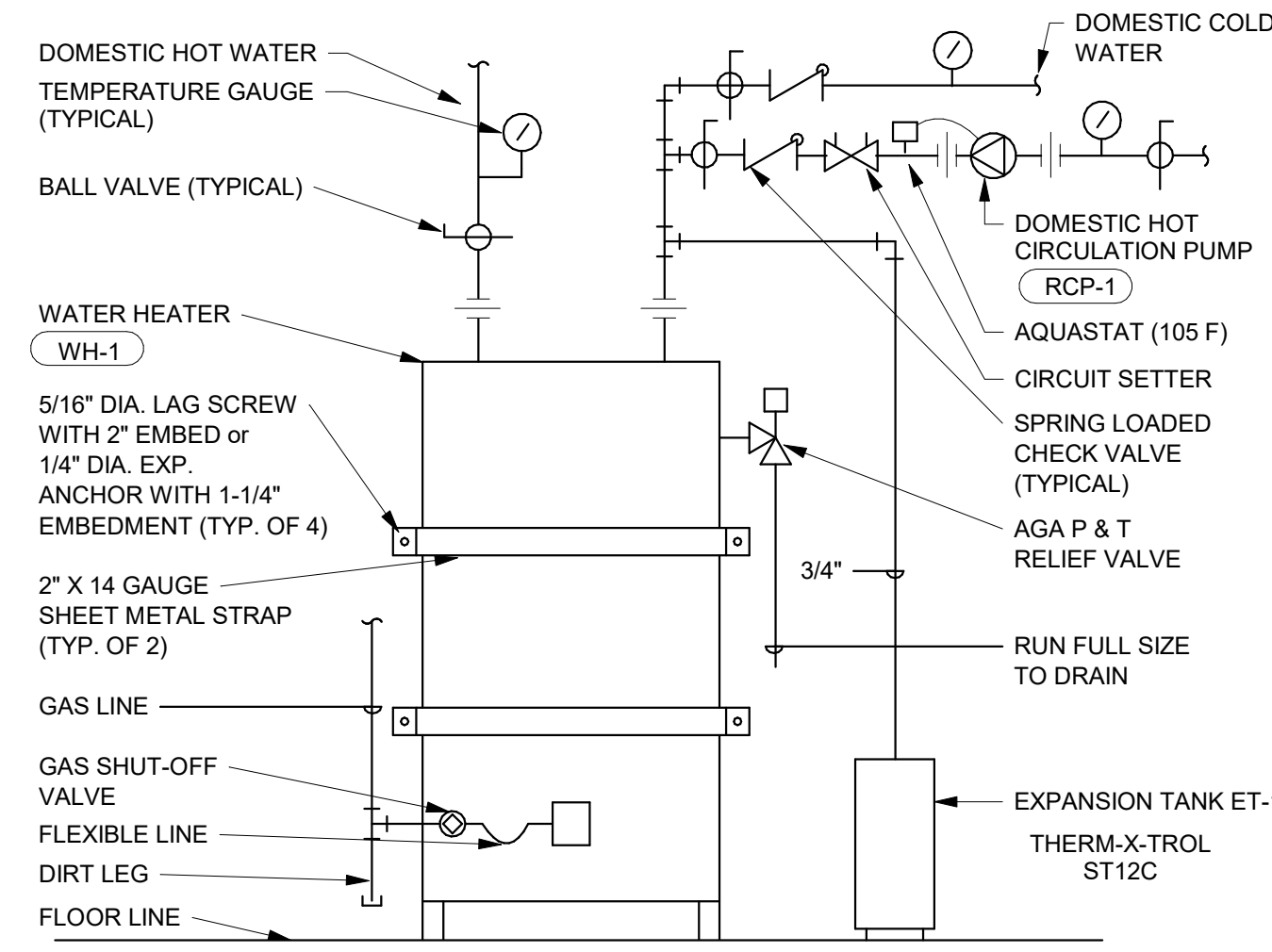


NOMINAL PIPE SIZE (INCHES)	VOLUME (LIQUID OUNCES PER FOOT LENGTH)	MAXIMUM PIPING LENGTH (FEET)	
		PUBLIC LAVATORY FAUCETS	OTHER FIXTURES AND APPLIANCES
1/4	0.33	6	50
3/8	0.75	3	50
1/2	1.5	2	43
3/4	3	0.5	21
1	5	0.5	13
1 1/4	8	0.5	8
1 1/2	11	0.5	6
2 OR LARGER	18	0.5	4

BALANCING VALVE TO BE PROVIDED WITH TAMPER-PROOF ADJUSTMENT. ALL EXPOSED VALVES AND PIPING TO BE INSULATED.

8 PIPING VOLUME AND MAXIMUM PIPING LENGTHS

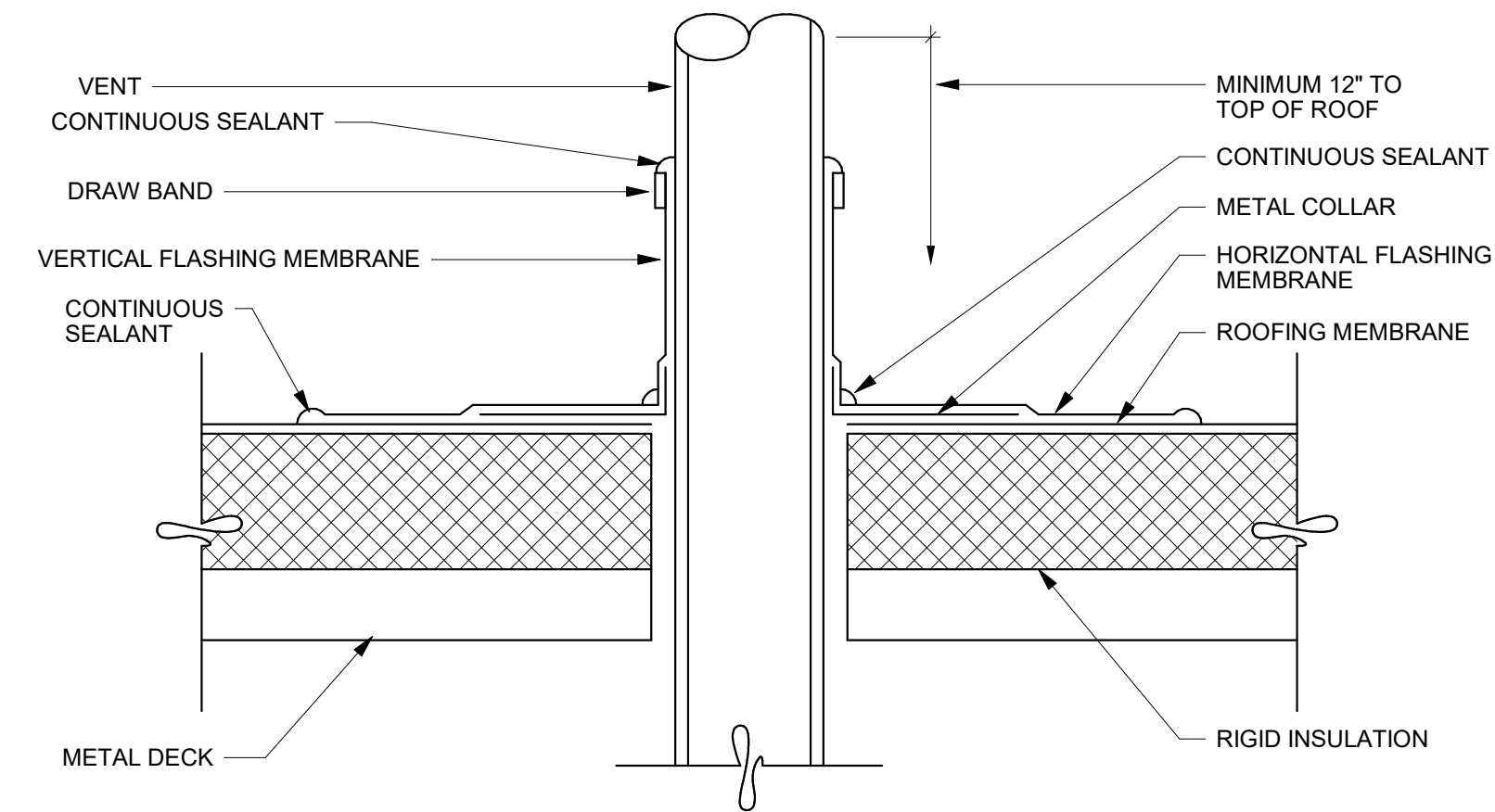
SCALE: NTS



NOTE: STORE WATER AT 140 F
NOTE: PROVIDE MIXING VALVES AT ALL HAND WASHING FIXTURES

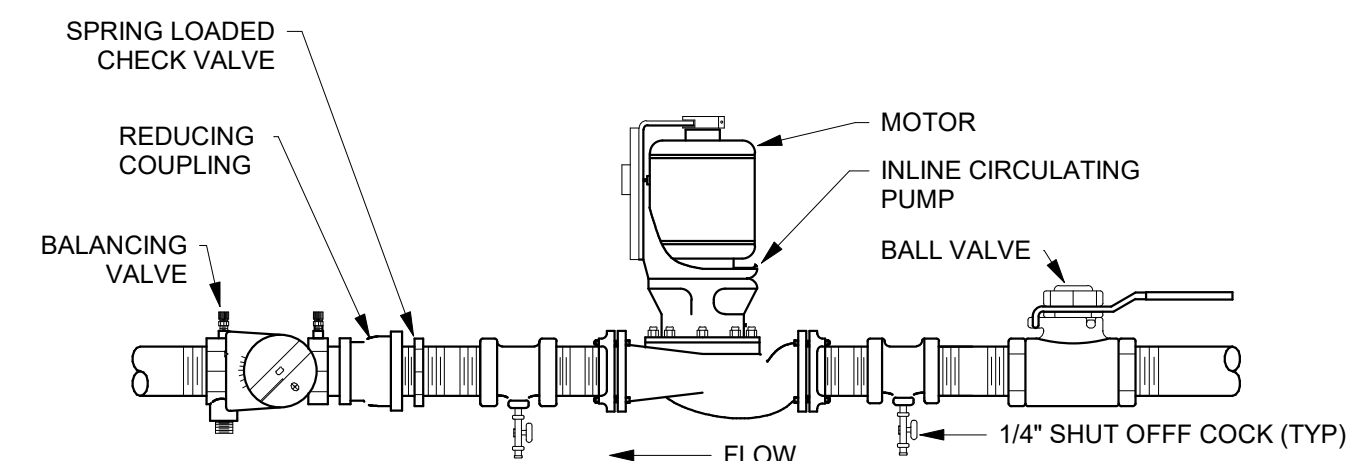
7 WATER HEATER w RECIRC

SCALE: NTS



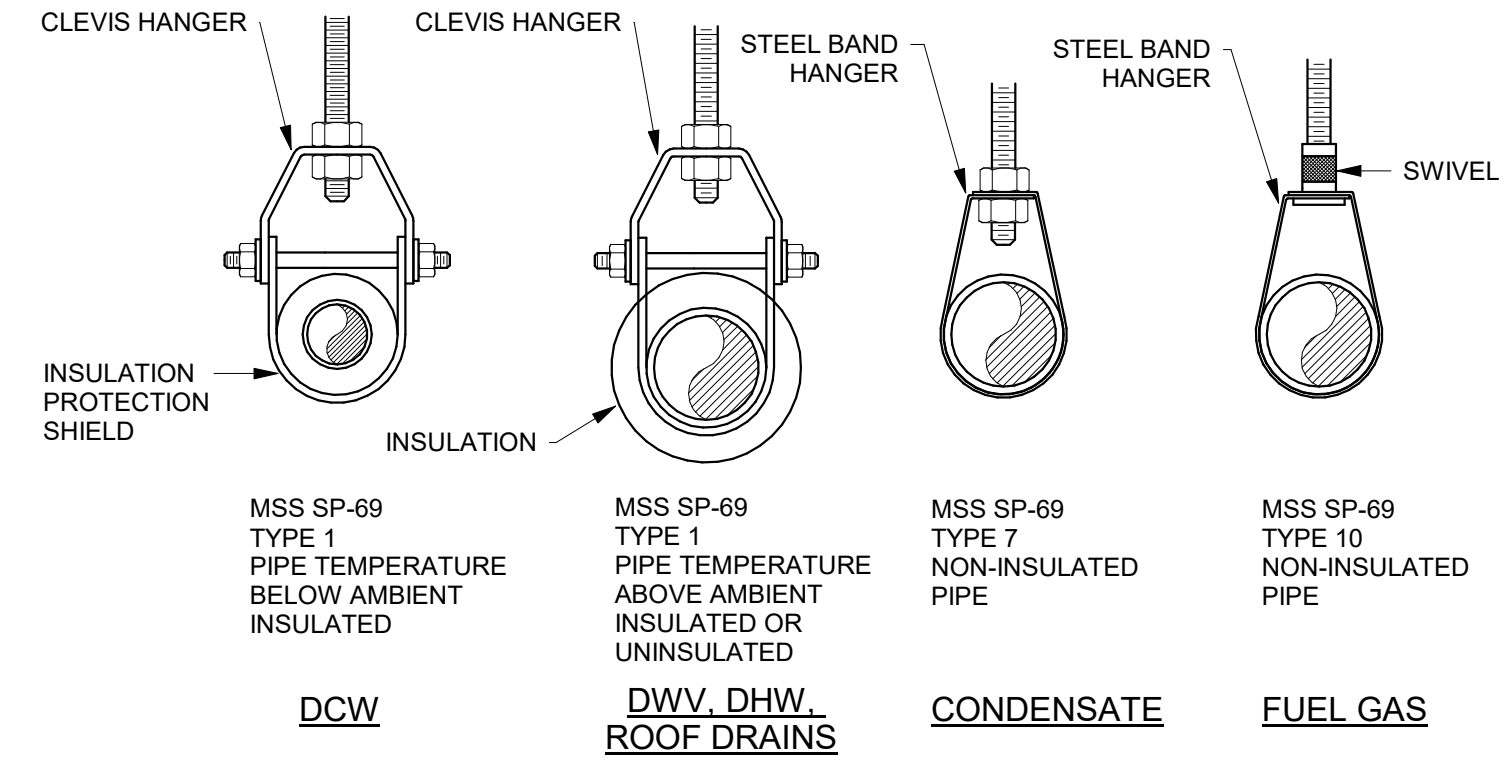
6 VENT THRU ROOF

SCALE: NTS



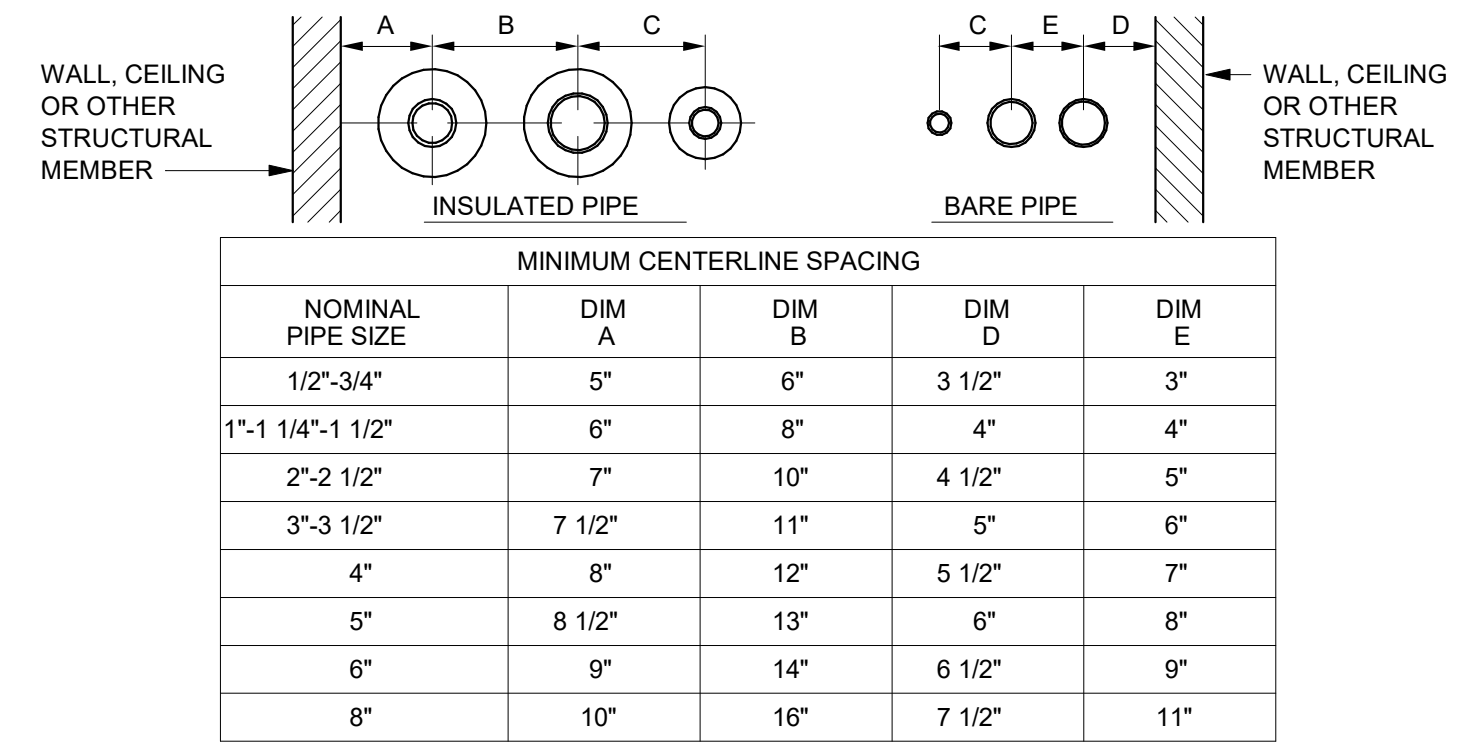
5 PIPE MOUNTED CIRCULATING PUMP

SCALE: NTS



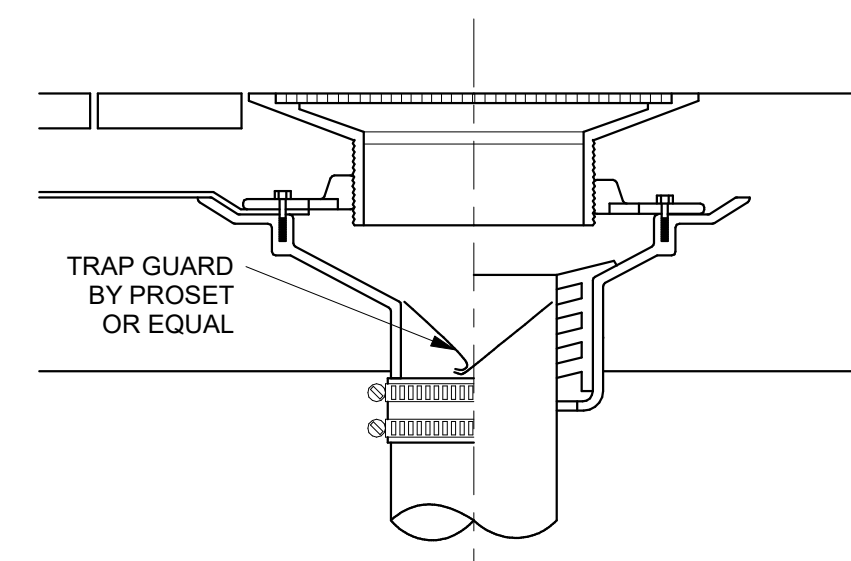
4 PIPE HANGERS x4

SCALE: NTS



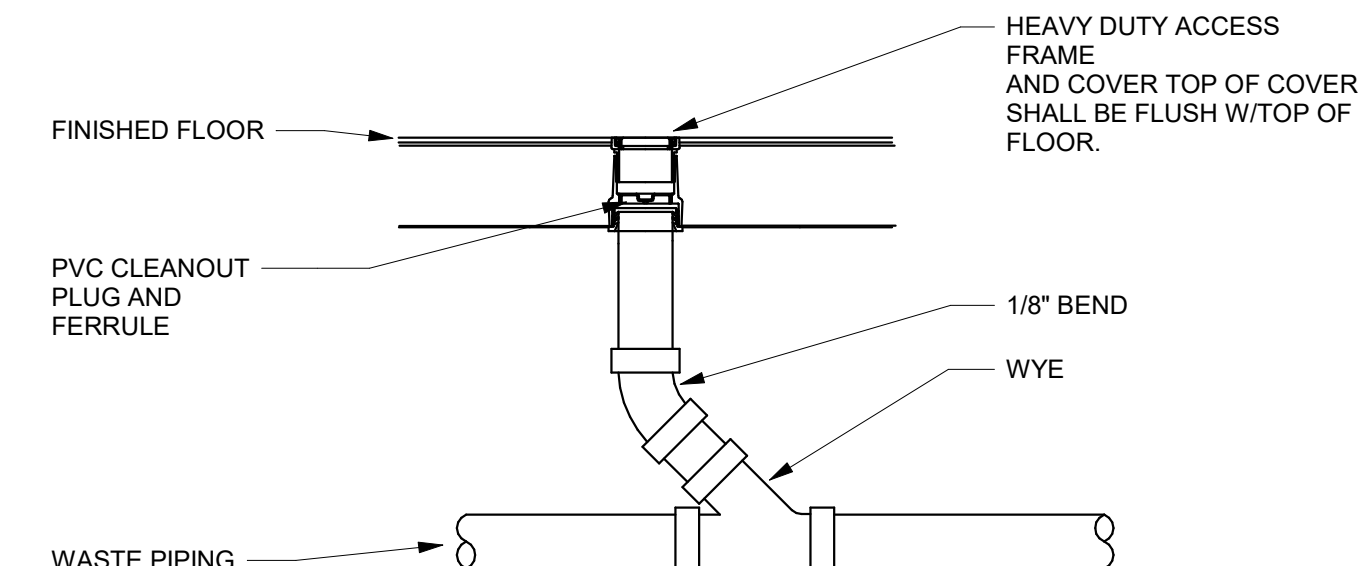
3 PIPE CLEARANCES

SCALE: NTS



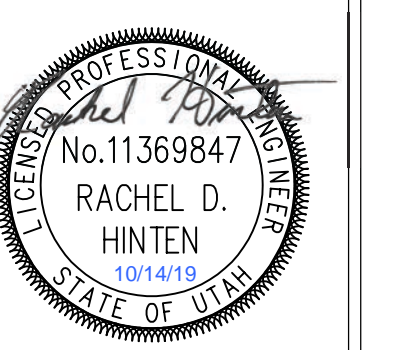
2 FLOOR DRAIN

SCALE: NTS



1 FLOOR CLEANOUT

SCALE: NTS



REV.	DATE
PROJECT #	1918
DATE:	10/09/19
TITLE:	PLUMBING DETAILS

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VALVE SCHEDULE

SERVICE	VALVE TYPE	PIPE SIZE	DESCRIPTION
DOMESTIC WATER SERVICE	BALL VALVE	2" & SMALLER	COPPER ALLOY, 2-PIECE, STANDARD PORT, CHROME PLATED BALL, TFE SEAT, LEVER HANDLE, 400 PSIG WOG, MSS SP-110, SOLDERED OR THREADED END
	CHECK VALVE	2" & SMALLER	BRONZE BODY, SPRING TYPE, TFE SEAT, BRONZE DISC, SOLDERED OR THREADED ENDS, MSS SP-80
	UNION	2" & SMALLER	ASTM B16.39, CLASS 150, MALLEABLE IRON, HEXAGONAL STOCK BODY, BRONZE-TO-BRONZE SEAT
NATURAL GAS	BALL VALVE	2" & SMALLER	COPPER ALLOY, 2-PIECE, STANDARD PORT, CHROME PLATED BALL, TFE SEAT, LEVER HANDLE, 400 PSIG WOG, MSS SP-110, AGA APPROVED, ASME B26.33, THREADED END
	UNION	2" & SMALLER	ASTM B16.39, CLASS 150, MALLEABLE IRON, HEXAGONAL STOCK BODY, BRONZE-TO-BRONZE SEAT

PLUMBING FIXTURE SCHEDULE

REFER TO PLUMBING SPECIFICATIONS FOR COMPLETE FIXTURE COMPONENTS

LABEL	DESCRIPTION	WASTE	TRAP	VENT	CW	HW	MANUFACTURER	MODEL	REMARKS
EWC	BI-LEVEL ELECTRIC WATER COOLER	1 1/2"	1 1/2"	1 1/2"	1/2"	0"	ELKAY	EZSTL8	ELECTRICAL DATA: 120V/1, 4 FLA, 370 WATTS
FCO	FLOOR CLEANOUT	0"	---	0"	0"	0"	ZURN	Z1400 SERIES	SIZE TO MATCH PIPE BEING SERVED
FD	FLOOR DRAIN	2"	2"	2"	0"	0"	FIXTURE: ZURN TRAP SEAL: RECTORSEAL	Z415-BZ1 TRAP SEAL: SURESEAL	TRAP SEAL TO MATCH FD SIZE
FS	FLOOR SINK	3"	3"	2"	0"	0"	ZURN	Z1900-2	PROVIDE HALF GRATE
LAV-A	COUNTERTOP LAVATORY (ACCESSIBLE)	1 1/4"	1 1/4"	1 1/2"	1/2"	1/2"	FIXTURE: KOHLER FAUCET: KOHLER INSULATION: TRUEBRO TMV: WEBSTONE	FIXTURE: K-2839-1 FAUCET: K-13461 INSULATION: LAV GAURD 2 TMV: H-77211W-TG	SET TMV AT 110 DEG. F.
MOP	SERVICE SINK	3"	3"	2"	3/4"	3/4"	FIXTURE: MUSTEE FAUCET: KOHLER	FIXTURE: 63M FAUCET: K-8907	PROVIDE HOSE AND HOSE HOLDER, MOP HANGER, BUMPER AND WALL GUARDS
SHR-A	SHOWER (ACCESSIBLE)	0"	"FD"	0"	1/2"	1/2"	KOHLER	K-10827-4	MOUNT FOR ADA REQUIREMENTS
WC	FLOOR MOUNT TANK WATER CLOSET	3"	INT.	2"	3/4"	0"	FIXTURE: KOHLER SEAT: BEMIS	FIXTURE: K-3519 SEAT: 1955CTJ	
WC-A	FLOOR MOUNT TANK WATER CLOSET (ACCESSIBLE)	3"	INT.	2"	1"	0"	FIXTURE: KOHLER SEAT: BEMIS	FIXTURE: K-3519 SEAT: 1955CTJ	

DOMESTIC EXPANSION TANK SCHEDULE

ACCEPTABLE MANUFACTURERS:
WATTS DET
AMTROL ST
BEWLL & GOSSETT PT

NOTES:
(1) BUTYL DIAPHRAGM
(2) RIGID POLYPROPYLENE LINER

SYMBOL	MANUFACTURER	MODEL	TANK VOLUME (GALLONS)	MINIMUM ACCEPTANCE VOLUME (GALLONS)	INITIAL FILL PRESSURE (PSIG)	COMMENTS
DET-1	AMTROL	ST-5	2	.45	50	ALL

DOMESTIC RECIRC PUMP SCHEDULE

APPROVED EQUALS:
GRUNDFOS
BELL & GOSSETT

REMARKS:
(1) BASIS OF DESIGN - GRUNDFOS
(2) ALL PARTS SHALL BE CONSTRUCTED ACCORDING TO MANUFACTURER'S SPECIFICATIONS
(3) ALL CONTROLS PROVIDED BY MANUFACTURER AND INCLUSIVE TO PUMP

LABEL	PUMP HEAD (FT)	PUMP GPM	FLA	kW	VOLT	PH	Hz	MANUFACTURER	MODEL	REMARKS
DCP-1	5.00 psi	10 GPM	1 A	.125	120 V	1	60 Hz	BELL & GOSSETT	NBF-25	ALL

GAS PRESSURE REGULATOR SCHEDULE

ACCEPTABLE MANUFACTURERS:
PIETRO FIORENTINI
MAXITROL

NOTES:
(1) 2.0 PSIG INLET PRESSURE, 850 BTU PER C.F.
(2) 4 OZ (7" W.C.) OUTLET PRESSURE
(3) DIE CAST ALUMINUM BODY, NITRILE DIAPHRAGM
(4) NPT THREADED INLET & OUTLET
(5) BALL CHECK AUTOMATIC VENT LIMITING DEVICE

SYMBOL	LOCATION	MANUFACTURER	MODEL NUMBER	REGULATOR SIZE (INCHES)	CAPACITY (CFH)	NOTES
GPR	INDOOR / OUTDOOR	PF REGULATOR	F30051	1/2	928	ALL
			F30052	3/4	1155	
			F30053	1	1501	
			F3013	1-1/4	7894	

PLUMBING PIPE MATERIAL SCHEDULE

SERVICE	PIPE MATERIAL	FITTINGS	JOINTS	NOTES
DOMESTIC WATER DISTRIBUTION	ASTM B88 TYPE "L" COPPER TUBING	ASTM B16.18 CAST COPPER-ALLOY SOLDER JOINT OR ASTM B16.22 WROUGHT COPPER SOLDER JOINT	ASTM B32 LEAD FREE SOLDER	
	ASTM F876 AND/OR F877 CROSS-LINKED POLYETHYLENE (PEX) SDR 9	ASTM F877 LEAD FREE BRASS INSERT OR ASTM F 1960 ENG. PLASTIC INSERT	ASTM F877 COPPER CRIMP RING OR ASTM F 1960 COLD EXPANSION	FITTING AND JOINING METHOD APPROVED BY PIPE MANUFACTURER PROVIDE A 2-FT x 3-FT THERMAL EXPANSION LOOP FOR EVERY 60 FT OF LINEAR HOT WATER PIPE SECTION
DRAIN WASTE AND VENT (BELOW GRADE)	ASTM F 891 SCHEDULE 40 CELLULAR CORE PVC	ASTM AD 2665 DRAINAGE PATTERN	ASTM D 2564 SOLVENT CEMENT	
DRAIN WASTE AND VENT (ABOVE GRADE)	ASTM F 891 SCHEDULE 40 CELLULAR CORE PVC	ASTM AD 2665 DRAINAGE PATTERN	ASTM D 2564 SOLVENT CEMENT	
NATURAL GAS	ASTM A53 SCHEDULE 40 BLACK STEEL	ASTM B16.3 CLASS 150 MALLEABLE IRON OR ASTM B16.9 BUTT WELDED STEEL	THREADED TEFLON TAPE	
CONDENSATE DRAIN	ASTM D 1785 SCHEDULE 40 POLYVINYL CHLORIDE (PVC)	ASTM D 2466 PVC SOCKET JOINT	ASTM F 656 PURPLE PRIMER ASTM D 2664 SOLVENT CEMENT	

SANITARY SEWER DEMAND

BASIS FOR DESIGN

2015 INTERNATIONAL PLUMBING CODE - MINIMUM SLOPE = 1/8" PER FOOT
CHAPTER 7 - SANITARY DRAINAGE- REQUIRED PIPE SIZE = **4"**
TABLE 710.1(1) - BUILDING DRAINS AND SEWERS - 180 DFU'S PERMITTED ON MAIN

EQUIPMENT	QUANTITY	INDIVIDUAL DRAINAGE FIXTURE UNIT	TOTAL DRAINAGE FIXTURE UNITS
DRINKING FOUNTAIN	1	1	1
FLOOR DRAINS	4	2	8
FLOOR SINKS	1	2	2
LAVATORY	4	1	4
SERVICE SINK	1	2	2
SHOWER HEAD	2	0	0
WATER CLOSET, FLUSHOMETER TANK, PUBLIC OR PRIVATE	4	3	12
TOTAL	17		29

IECC TABLE C403.11.3 MINIMUM PIPE INSULATION THICKNESS (in inches)

FLUID OPERATING TEMPERATURE RANGE AND USAGE (F)	INSULATION CONDUCTIVITY		NOMINAL PIPE SIZE (inches)				
	CONDUCTIVITY (BTU / IN.)	MEAN RATING TEMPERATURE (F)	< 1	1 to < 1 1/2	1 1/2 to < 4	4 to < 8	> 8
251 - 350	0.29 - 0.32	200	3.0	4.0	4.5	4.5	4.5
201 - 250	0.27 - 0.30	150	2.5	2.5	2.5	3.0	3.0
141 - 200	0.25 - 0.29	125	1.5	1.5	2.0	2.0	2.0
105 - 140	0.21 - 0.28	100	1.0	1.0	1.5	1.5	1.5
40 - 60	0.21 - 0.27	75	0.5	0.5	1.0	1.0	1.0
< 40	0.20 - 0.26	50	0.5	1.0	1.0	1.0	1.5

NOTES:
1. FOR PIPING SMALLER THAN 1 1/2" INCHES AND LOCATED IN PARTITIONS WITHIN CONDITIONED SPACES, REDUCTION OF THESE THICKNESSES BY 1" SHALL BE PERMITTED, BUT NOT TO A THICKNESS LESS THAN 1 INCH.
2. FOR DIRECT-BURIED HEATING AND HOT WATER PIPING, REDUCTION OF THICKNESSES BY 1 1/2" SHALL BE PERMITTED, BUT NOT LESS THAN 1 INCH

DOMESTIC COLD WATER DEMAND

2015 INTERNATIONAL PLUMBING CODE - TABLE E103.3(3) ESTIMATED DEMAND (GPM): 21.0

PIPE SIZE (WATER SUPPLY TO BUILDING): 1 1/4"

2015 INTERNATIONAL PLUMBING CODE - FIGURE E103.3(5) PIPE FRICTION (PSI / 100 FT): 3.9
PIPE VELOCITY (FEET / SECOND): 5.0

EQUIPMENT	OCCUPANCY	TYPE OF SUPPLY CONTROL	QUANTITY	COMBINED WATER SUPPLY FIXTURE UNITS (WSFU)	TOTAL WATER SUPPLY FIXTURE UNITS (WSFU)
DRINKING FOUNTAIN	OFFICES, ETC.	3/8" VALVE	1	1	1
LAVATORY	PUBLIC	FAUCET	4	2	8
SERVICE SINK	OFFICES, ETC.	FAUCET	1	3	3
SHOWER HEAD	PRIVATE	MIXING VALVE	2	1.4	2.8
WATER CLOSET, FLUSHOMETER TANK, PUBLIC OR PRIVATE	PUBLIC	FLUSH TANK	4	2.2	8.8
TOTAL			12		23.6

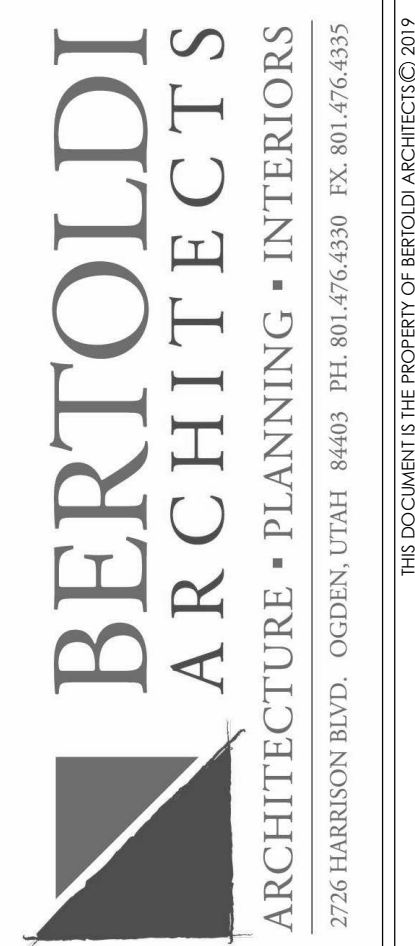
DOMESTIC HOT WATER DEMAND

2015 INTERNATIONAL PLUMBING CODE - TABLE E103.3(3) ESTIMATED DEMAND (GPM): 14.8

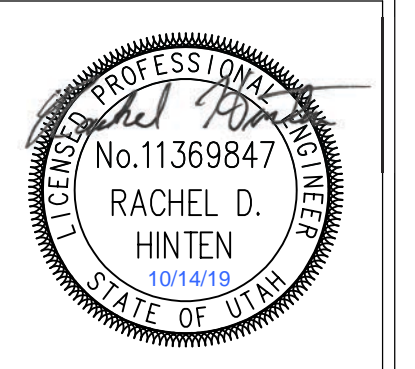
PIPE SIZE (WATER SUPPLY TO BUILDING): 1 1/4"

2015 INTERNATIONAL PLUMBING CODE - FIGURE E103.3(5) PIPE FRICTION (PSI / 100 FT): 3.0
PIPE VELOCITY (FEET / SECOND): 2.8

EQUIPMENT	OCCUPANCY	TYPE OF SUPPLY CONTROL	QUANTITY	COMBINED WATER SUPPLY FIXTURE UNITS (WSFU)	TOTAL WATER SUPPLY FIXTURE UNITS (WSFU)
SHOWER HEAD	PRIVATE	MIXING VALVE	2	1	2
LAVATORY	PUBLIC	FAUCET	4	1.5	6
SERVICE SINK	OFFICES, ETC.	FAUCET	1	2.25	2.25
TOTAL			7		10.25



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REV.	DATE
PROJECT #	1918
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SHEET:
P-601

SYMBOLS LEGEND	
SYMBOL	DESCRIPTION
REFERENCE AND LINE SYMBOLS	
	DETAIL INDICATOR: A5 INDICATES DETAIL NUMBER, E-501 INDICATES DRAWING SHEET WHERE DETAIL IS SHOWN.
	ROOM IDENTIFIER WITH ROOM NAME AND NUMBER.
	KEYNOTE INDICATOR.
	REVISION INDICATOR.
	EQUIPMENT INDICATOR.
	MECHANICAL EQUIPMENT INDICATOR. "X-X" INDICATES EQUIPMENT MARK SHOWN ON EQUIPMENT SCHEDULE. "XMPD" IDENTIFIES PANEL EQUIPMENT IS CIRCUITED TO. REFER TO EQUIPMENT SCHEDULE FOR ADDITIONAL INFORMATION.
	BREAK, STRAIGHT: TO BREAK PARTS OF DRAWING
	BREAK, ROUND
	MATCH LINE INDICATOR: CENTER, EXTRA WIDE LINE.
	NEW LINE: MEDIUM LINE.
	EXISTING TO REMAIN LINE: THIN LINE.
	DEMOLITION LINE: DASHED, MEDIUM LINE
WIRING METHODS	
	WIRING.
	BRANCH CIRCUIT HOME RUN TO PANELBOARD: NUMBER OF ARROWS INDICATES NUMBER OF CIRCUITS. LETTER AND NUMBER NOTATIONS IDENTIFY PANEL AND CIRCUIT NUMBERS. USE #12 CONDUCTORS, EXCEPT #10 CONDUCTORS SHALL BE INSTALLED IF DISTANCES EXCEED THOSE SPECIFIED IN THE ELECTRICAL SPECIFICATIONS.
	BRANCH CIRCUIT HOME RUN TO PANELBOARD: NUMBER OF ARROWS INDICATES NUMBER OF CIRCUITS. LETTER AND NUMBER NOTATIONS IDENTIFY PANEL AND CIRCUIT NUMBERS. NUMBER IN BOX REFERS TO THE CONDUCTOR AND CONDUIT SCHEDULE. FOR BRANCH WIRING USE #12 CONDUCTORS, EXCEPT #10 CONDUCTORS SHALL BE INSTALLED IF DISTANCES EXCEED THOSE SPECIFIED IN THE ELECTRICAL SPECIFICATIONS.
	LOW VOLTAGE WIRING: DIVIDE, MEDIUM LINE.
	CONDUIT STUB. DIMENSION RECORD DRAWINGS AND MARK.
	CONDUCTOR & CONDUIT ("CC") SCHEDULE INDICATOR. REFER TO ONE-LINE DIAGRAM.
	ADA ACCESS PUSH PLATE
	JUNCTION BOX.
	EARTH GROUND (ONE-LINE DIAGRAM).
	JUNCTION BOX, CEILING.
	MECHANICAL EQUIPMENT CONNECTION. REFER TO EQUIPMENT SCHEDULE FOR REQUIREMENTS.
SITE ELECTRICAL AND COMMUNICATIONS UTILITIES	
	UTILITY POLE.
	UTILITY, DISTRIBUTION SWITCH OR SWITCHING STATION.
	UTILITY, COMMUNICATIONS MANHOLE.
	UTILITY, ELECTRICAL MANHOLE.
	UTILITY, TELEPHONE MANHOLE.
	TRANSFORMER.
STRUCTURED CABLING	
	TELEPHONE, WALL MOUNTED ("X" INDICATES QUANTITY OF CABLES).
	DATA CONNECTION: WIRELESS ACCESS POINT (WAP). REQUIRES (2) DATA DROPS PER DEVICE
	TELEPHONE, WALL MOUNTED: WALL PHONE.
	OUTLET, DATA COMMUNICATION ("X" INDICATES QUANTITY OF CABLES).
	OUTLET, BUILDING STANDARD COMBINATION TELEPHONE/ DATA COMMUNICATION.
	TWO-WAY EMERGENCY COMMUNICATION DEVICE PER IBC, WALL MOUNTED IN RECESSED BOX.
	TELEPHONE TERMINAL BOARD, FIRE TREATED PLYWOOD PAINTED.
SECURITY	
	INTRUSION DETECTION HEADEND EQUIPMENT.
	CARD READER.
TV DISTRIBUTION	
	TV OUTLET.

SYMBOLS LEGEND	
SYMBOL	DESCRIPTION
WIRING DEVICES	
	RECEPTACLE, DUPLEX: NEMA 5-20R.
	RECEPTACLE, DUPLEX, ABOVE COUNTER: NEMA 5-20R.
	RECEPTACLE, DUPLEX, CEILING: NEMA 5-20R.
	RECEPTACLE, DUPLEX WITH GROUND FAULT CIRCUIT INTERRUPTER, DRINKING FOUNTAIN: CONCEAL WATER COOLER RECEPTACLE BEHIND WATER COOLER. SEE MECHANICAL/PLUMBING SHOP DRAWINGS FOR INSTALLATION REQUIREMENTS.
	RECEPTACLE, DUPLEX, SWITCHED: NEMA 5-20R.
	RECEPTACLE, DUPLEX WITH GROUND FAULT CIRCUIT INTERRUPTER, WET LABEL, "WEATHERPROOF IN USE": NEMA 5-20R.
	RECEPTACLE, DUPLEX, WEATHERPROOF: NEMA 5-20R.
	RECEPTACLE, DUPLEX WITH GROUND FAULT CIRCUIT INTERRUPTER: NEMA 5-20R.
	RECEPTACLE, DUPLEX WITH GROUND FAULT CIRCUIT INTERRUPTER, WEATHERPROOF: NEMA 5-20R.
	RECEPTACLE, QUADRUPLE: NEMA 5-20R.
	RECEPTACLE, QUADRUPLE WITH GROUND FAULT CIRCUIT INTERRUPTER: NEMA 5-20R.
	RECEPTACLE, SPECIAL PURPOSE. PROVIDE RECEPTACLE TO MATCH EQUIPMENT PLUG.
	RECEPTACLE, DRYER: NEMA 14-30R.
	RECEPTACLE, RANGE: NEMA 14-50R.
	FLUSH FLOOR BOX. "F" SHOWN ON DRAWINGS. REFER TO WIRING DEVICE SCHEDULE IN THE ELECTRICAL SPECIFICATIONS FOR CONFIGURATION AND DEVICES.
	SWITCH, DIMMER.
	SWITCH, SINGLE POLE ("X" INDICATES FIXTURES CONTROLLED).
	SWITCH, DOUBLE POLE ("X" INDICATES FIXTURES CONTROLLED).
	SWITCH, THREE-WAY ("X" INDICATES FIXTURES CONTROLLED).
	SWITCH, FOUR-WAY ("X" INDICATES FIXTURES CONTROLLED).
	SWITCH, KEY OPERATED.
	SWITCH, TIMER OPERATED.
	RECEPTACLE, DUPLEX, TAMPER RESISTANT: NEMA 5-20R.
	RECEPTACLE, SINGLE PLEX, WITH USB OUTLET
LIGHTING (REFER TO FIXTURE SCHEDULE FOR SYMBOLS)	
	FIXTURE IDENTIFICATION: (W-3) INDICATES FIXTURE TYPE AS SCHEDULED.
	FIXTURE IDENTIFICATION, EMERGENCY WITH BATTERY PACK, CONNECTED TO GENERATOR AS INDICATED: (W-3) INDICATES FIXTURE TYPE AS SCHEDULED.
	EMERGENCY.
	NIGHT LIGHT: DO NOT SWITCH.
	EGRESS DIRECTION ARROW (EXIT SIGNS).
	EXIT SIGN: SINGLE FACE, CEILING MOUNTED
	EXIT SIGN: SINGLE FACE, WALL MOUNTED
	EXIT SIGN: DOUBLE FACE, CEILING MOUNTED
	EXIT SIGN: DOUBLE FACE, WALL MOUNTED
LIGHTING CONTROL	
	OCCUPANCY SENSOR, DUAL TECHNOLOGY, OMNI-DIRECTIONAL, CEILING.
	OCCUPANCY SENSOR, DUAL TECHNOLOGY, WALL.
	OCCUPANCY SENSOR, DUAL TECHNOLOGY, DIRECTIONAL.
	VACANCY SENSOR, DUAL TECHNOLOGY, OMNI-DIRECTIONAL, CEILING.
	VACANCY SENSOR, DUAL TECHNOLOGY, WALL.
	PHOTOCELL.
	CEILING FAN.
	SWITCH/OCCUPANCY SENSOR COMBO, DUAL TECHNOLOGY, WALL.
	SWITCH/VACANCY SENSOR COMBO, DUAL TECHNOLOGY, WALL.
	DIMMER SWITCH/OCCUPANCY SENSOR COMBO, DUAL TECHNOLOGY, WALL.
	DIMMER SWITCH/VACANCY SENSOR COMBO, DUAL TECHNOLOGY, WALL.
	DIGITAL LIGHTING ROOM CONTROLLER

SYMBOLS LEGEND	
SYMBOL	DESCRIPTION
ELECTRICAL POWER AND DISTRIBUTION	
	DISCONNECT, FUSED (ONE-LINE DIAGRAM).
	CIRCUIT BREAKER, MOLDED CASE (ONE-LINE DIAGRAM).
	MOTOR.
	TRANSFORMER (ONE-LINE DIAGRAM).
	PANELBOARD (ONE-LINE DIAGRAM).
	PANELBOARD WITH MAIN LUGS ONLY. BUS SIZE AND PHASE AS SHOWN (ONE-LINE DIAGRAM).
	PANELBOARD WITH MAIN CIRCUIT BREAKER. SIZE AND PHASE AS SHOWN (ONE-LINE DIAGRAM).
	CT CABINET PER UTILITY'S REQUIREMENTS (ONE-LINE DIAGRAM).
	METER.
	DISCONNECT SWITCH, FUSED.
	DISCONNECT SWITCH, UNFUSED.
	PUSHBUTTON.
	PUSHBUTTONS, MOTOR CONTROL.
	PANELBOARD CABINET, FLUSH MOUNTED.
	PANELBOARD CABINET, SURFACE MOUNTED, 1 SECTION.
	PANELBOARD CABINET, SURFACE MOUNTED, 2 SECTION.
	DISTRIBUTION PANEL OR SWITCHBOARD.
	SWITCH, TOGGLE MOTOR STARTER WITH OVERLOAD PROTECTION.
	ACCESSIBLE DOOR ENTRY PUSH PLATE OPERATOR.
FIRE ALARM	
	FIRE SYSTEM ANNUNCIATOR.
	FIRE ALARM CONTROL PANEL, SEMI-RECESSED.
	CONTROL MODULE.
	MONITOR MODULE.
	FIRE ALARM MANUAL PULL STATION.
	SHUT DOWN RELAY: INSTALL RELAY IN CONTROL CIRCUIT OF EQUIPMENT TO BE CONTROLLED IN THE EVENT OF A FIRE.
	MAGNETIC DOOR HOLDER.
	DETECTOR, SMOKE.
	DETECTOR, SMOKE, DUCT WITH HOUSING AND SAMPLING TUBE.
	DETECTOR, HEAT.
	STROBE. SUBSCRIPT INDICATES CANDELA RATING.
	ALARM, HORN/SPEAKER, WEATHERPROOF.
	ALARM, HORN/STROBE, ONE ASSEMBLY. SUBSCRIPT INDICATES CANDELA RATING.
	FIRE AND SMOKE DAMPER.
	DETECTOR, CARBON MONOXIDE.
	ALARM, HORN/STROBE, ONE ASSEMBLY, CEILING MOUNTED, SUBSCRIPT INDICATES CANDELA RATING.
	ALARM, HORN, CEILING MOUNTED. SUBSCRIPT INDICATES CANDELA RATING.
	ALARM, STROBE, CEILING MOUNTED. SUBSCRIPT INDICATES CANDELA RATING.

ABBREVIATIONS			
NOTE: ALL ABBREVIATIONS MAY NOT BE USED.			
1P	SINGLE POLE	KV	KILOVOLT
1PH	SINGLE-PHASE	KVA	KILOVOLT AMPERE
1WAY	ONE-WAY	KVAR	KILOVOLT AMPERE REACTIVE
2/C	TWO-CONDUCTOR	KW	KILOWATT
2WAY	TWO-WAY	KWh	KILOWATT HOUR
3/C	THREE-CONDUCTOR	LED	LIGHT EMITTING DIODE
3WAY	THREE-WAY	LFMC	LIQUID TIGHT FLEXIBLE METAL CONDUIT
4OUT	QUADRUPLE RECEPTACLE	LFNC	LIQUID TIGHT FLEXIBLE NONMETALLIC CONDUIT
4PDT	FOUR-POLE DOUBLE THROW	LPS	LOW PRESSURE SODIUM
4PST	FOUR-POLE SINGLE THROW	LRA	LOCKED ROTOR AMPS
4W	FOUR-WIRE	LTG	LIGHTING
4WAY	FOUR-WAY	LV	LOW VOLTAGE
A	ABOVE COUNTER	MATV	MASTER ANTENNA TELEVISION SYSTEM
AC	ARMORED CABLE	MAX	MAXIMUM
ADA	AMERICANS WITH DISABILITIES ACT	MC	METAL CLAD
ADJ	ADJACENT	MCA	MINIMUM CIRCUIT AMPS
AFF	ABOVE FINISHED FLOOR	MCB	MAIN CIRCUIT BREAKER
AFG	ABOVE FINISHED GRADE	MCC	MOTOR CONTROL CENTER
AIC	AMPERE INTERRUPTING CAPACITY	MCP	MOTOR CIRCUIT PROTECTION
ALUM	ALUMINUM	MDP	MAIN DISTRIBUTION PANEL
AMP	AMPERE	MG	MOTOR GENERATOR
ANN	ANNUNCIATOR	MH	MANHOLE
AP	ACCESS POINT (WIRELESS DATA)	MIN	MINIMUM
AR	AS REQUIRED	MLO	MAIN LUGS ONLY
ASC	AMPS SHORT CIRCUIT PROTECTION	MOCP	MAXIMUM OVERCURRENT PROTECTION
ATS	AUTOMATIC TRANSFER SWITCH	NA	NOT APPLICABLE
AV	AUDIO VISUAL	NC	NORMALLY CLOSED
AWG	AMERICAN WIRE GAGE	NEC	NATIONAL ELECTRICAL CODE
BB	BUCK-BOOST TRANSFORMER	NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
BFMR		NFC	NATIONAL FIRE CODE
C	CEILING MOUNTED	NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
CATV	COMMUNITY ANTENNA TELEVISION	NIC	NOT IN CONTRACT
CB	CIRCUIT BREAKER	NL	NIGHT LIGHT
CCBA	CUSTOM COLOR AS SELECTED BY ARCHITECT	NO	NORMALLY OPEN
CCTV	CLOSED CIRCUIT TELEVISION	NTS	NOT TO SCALE
CF/CI	CONTRACTOR FURNISHED/ CONTRACTOR INSTALLED	OC	ON CENTER
CF/OI	CONTRACTOR FURNISHED/ OWNER INSTALLED	OCF	OVER CURRENT PROTECTION OWNER FURNISHED
CFBA	CUSTOM FINISH AS SELECTED BY ARCHITECT	OF/CI	OWNER FURNISHED/ CONTRACTOR INSTALLED
CKT	CIRCUIT	OF/OI	OWNER FURNISHED/ OWNER INSTALLED
CM	CONSTRUCTION MANAGER	OPF	OBTAIN FROM PLANS
CND	CONDUIT	OH DR	OVERHEAD (COILING) DOOR
CO	CONVENIENCE OUTLET	OL	OVERLOAD
COR	CONTRACTING OFFICER'S REPRESENTATIVE	PB	PUSHBUTTON
CP	CONTROL PANEL	PF	POWER FACTOR
CT	CURRENT TRANSFORMER	PH	PHASE
CTV	CABLE TELEVISION	PNL	PANEL
CU	COPPER	PT	POTENTIAL TRANSFORMER
dBA	UNIT OF SOUND LEVEL	PTZ	PANTILT/ZOOM
DPDT	DOUBLE POLE, DOUBLE THROW	QTY	QUANTITY
DS	DISCONNECT SWITCH	R	REMOVE
EA	EACH	RCP	REFLECTED CEILING PLAN
EM	EMERGENCY	RMC	RIGID METAL CONDUIT
EMT	ELECTRICAL METALLIC TUBING	RNC	RIGID NONMETAL CONDUIT
ENT	ELECTRIC NONMETALLIC TUBING	RPM	REVOLUTIONS PER MINUTE
EPO	EMERGENCY POWER OFF EQUIPMENT	RR	REMOVE AND RELOCATE
EQUIP	EQUIPMENT	S/S	START/STOP
EX	EXISTING	SCA	SHORT CIRCUIT AMPS
F	FIRE ALARM	SCBA	STANDARD COLOR AS SELECTED BY ARCHITECT
FCP	FIRE ALARM CONTROL PANEL	SF	SQUARE FOOT (FEET)
FLA	FULL LOAD AMPS	SFBA	STANDARD FINISH AS SELECTED BY ARCHITECT
FMC	FLEXIBLE METAL CONDUIT	SPD	SURGE PROTECTIVE DEVICE
FOB	FREIGHT ON BOARD	SPDT	SINGLE POLE, DOUBLE THROW
FVNR	FULL VOLTAGE NON-REVERSING	SPEC	SPECIFICATION
FVR	FULL VOLTAGE REVERSING	SPST	SINGLE POLE, SINGLE THROW
G	GROUND	ST	SINGLE THROW
GEN	GENERATOR	SWBD	SWITCHBOARD
GFCI	GROUND FAULT INTERRUPTER	SWGR	SWITCHGEAR
GFP	GROUND FAULT PROTECTION	TL	TWIST LOCK
HD	HEAVY DUTY	TP	TELEPHONE POLE
HID	HIGH INTENSITY DISCHARGE	TP	TWISTED PAIR
HOA	HAND-OFF-AUTOMATIC	TTB	TELEPHONE TERMINAL BOARD
HP	HORSE POWER	TV	TELEVISION
HPF	HIGH POWER FACTOR	TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSOR
HPS	HIGH PRESSURE SODIUM	TYP	TYPICAL
HV	HIGH VOLTAGE	UF	UNDERFLOOR
HZ	HERTZ	UGND	UNDERGROUND
I/O	INPUT/OUTPUT	UPS	UNINTERRUPTIBLE POWER SUPPLY
IG	ISOLATED GROUND	V	VOLTS
IMC	INTERMEDIATE METAL CONDUIT	VA	VOLT AMPERE
INIS	INSULATED/ ISOLATED	VFC/VF	VARIABLE FREQUENCY MOTOR CONTROLLER
IR	INFRARED	W/	WITH
J-BOX	JUNCTION BOX	W/O	WITHOUT
		WP	WEATHERPROOF
		XFMR	TRANSFORMER

ELECTRICAL SHEET INDEX	
EE-001	SHEET INDEX, SYMBOL LEGEND, AND GENERAL NOTES
EE-701	TYPICAL MOUNTING HEIGHT DETAILS
ED-101	POWER & LIGHTING DEMOLITION PLANS
EP-140	MAIN FLOOR POWER & LIGHTING PLANS
EP-601	PANEL & EQUIPMENT SCHEDULES
EP-602	LIGHTING FIXTURE SCHEDULE

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

GENERAL ELECTRICAL NOTES	
1.	CLARIFICATION METHODS: AT THE TIME OF BIDDING, BIDDERS SHALL FAMILIARIZE THEMSELVES WITH THE DRAWINGS AND SPECIFICATIONS. ANY QUESTIONS, MISUNDERSTANDINGS, CONFLICTS, DELETIONS, DISCONTINUED PRODUCTS, CATALOG NUMBER DISCREPANCIES, DISCREPANCIES BETWEEN THE EQUIPMENT SUPPLIED AND THE INTENT OR FUNCTION OF THE EQUIPMENT, ETC, SHALL BE SUBMITTED TO THE ARCHITECT/ENGINEER IN WRITING FOR CLARIFICATION PRIOR TO ISSUANCE OF THE FINAL ADDENDUM AND BIDDING OF THE PROJECT. WHERE DISCREPANCIES OR MULTIPLE INTERPRETATIONS OCCUR, THE MOST STRINGENT (WHICH IS GENERALLY RECOGNIZED AS THE MOST COSTLY) THAT MEETS THE INTENT OF THE DOCUMENTS SHALL BE ENFORCED.
2.	OWNER FURNISHED ITEMS: THE OWNER WILL FURNISH MATERIAL AND EQUIPMENT AS INDICATED IN THE CONTRACT DOCUMENTS TO BE INCORPORATED INTO THE WORK. THESE ITEMS ARE ASSIGNED TO THE INSTALLER AND COSTS FOR RECEIVING, HANDLING, STORAGE, IF REQUIRED, AND INSTALLATION ARE INCLUDED IN THE CONTRACT SUM.
A.	THE INSTALLER'S RESPONSIBILITIES ARE THE SAME AS IF THE INSTALLER FURNISHED THE MATERIALS OR EQUIPMENT.
B.	THE OWNER WILL ARRANGE AND PAY FOR DELIVERY OF OWNER FURNISHED ITEMS FREIGHT ON BOARD JOB SITE AND THE INSTALLER WILL INSPECT DELIVERIES FOR DAMAGE. IF OWNER FURNISHED ITEMS ARE DAMAGED, DEFECTIVE OR MISSING, DOCUMENT DAMAGED ITEMS WITH THE TRANSPORT COMPANY AND THE OWNER WILL ARRANGE FOR REPLACEMENT. THE OWNER WILL ALSO ARRANGE FOR MANUFACTURER'S FIELD SERVICES, AND THE DELIVERY OF MANUFACTURER'S WARRANTIES AND BONDS TO THE INSTALLER.
C.	THE INSTALLER IS RESPONSIBLE FOR DESIGNATING THE DELIVERY DATES OF OWNER FURNISHED ITEMS AND FOR RECEIVING, UNLOADING AND HANDLING OWNER FURNISHED ITEMS AT THE SITE. THE INSTALLER IS RESPONSIBLE FOR PROTECTING OWNER FURNISHED ITEMS FROM DAMAGE, INCLUDING DAMAGE FROM EXPOSURE TO THE ELEMENTS, AND TO REPAIR OR REPLACE ITEMS DAMAGED AS A RESULT OF HIS OPERATIONS.
3.	EXPOSED STRUCTURE AREAS (EXCLUDING MECHANICAL, ELECTRICAL, AND COMMUNICATION SPACES): INSTALL RACEWAYS BETWEEN DECK AND STRUCTURE WHEREVER POSSIBLE IN EXPOSED STRUCTURE CEILING AREAS. ROUTE RACEWAYS IN CONCEALED AREAS WHEREVER POSSIBLE. REFER ALL CONDITIONS WHERE RACEWAYS MUST BE INSTALLED WHICH CANNOT COMPLY WITH THESE REQUIREMENTS TO THE ARCHITECT.
4.	SUBMITTALS: PROVIDE ORIGINAL ELECTRONIC PDF FORMAT, BOUND, BOOKMARKED (EACH SECTION AND PRODUCT), AND HIGHLIGHTED. JOB NAME AND SUBCONTRACTOR SHALL BE ON THE FRONT COVER. PREPARE INDEX OF EQUIPMENT SUBMITTED IN EACH TAB.
5.	REFLECTED CEILING PLANS: COORDINATE THE LOCATION OF LIGHT FIXTURES WITH THE ARCHITECTURAL REFLECTED CEILING PLANS. REFER ALL DISCREPANCIES TO THE ARCHITECT AND ENGINEER.
6.	ALL WORK SHALL BE DONE ACCORDING TO THE CURRENT NATIONAL ELECTRIC CODE (NEC), IBC, NFPA, AND IFC. COMPLIANCE AND FINAL APPROVAL IS SUBJECT TO THE ON SITE FIELD INSPECTION OF THE AHJ.

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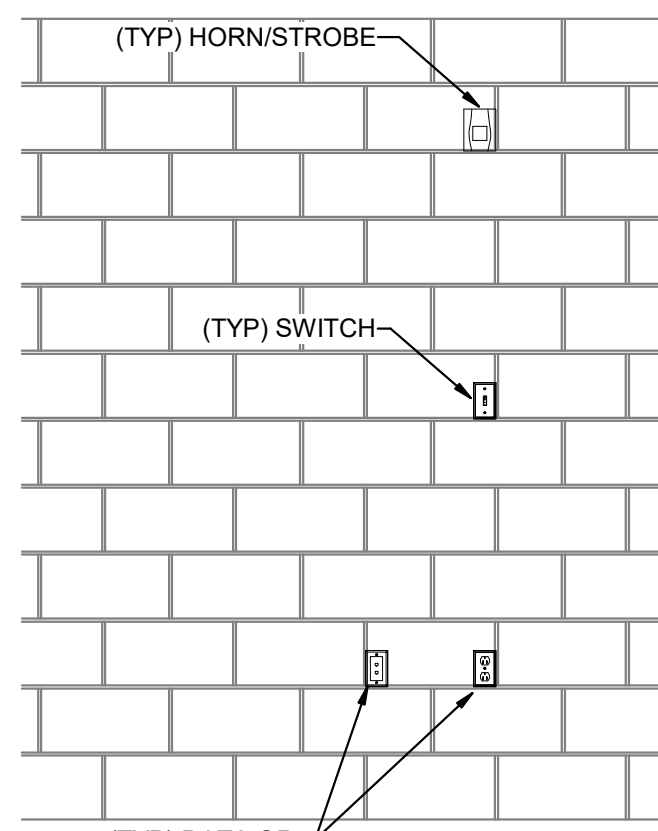
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REV.	DATE
PROJECT #	1918
DATE:	10/09/19
TITLE:	SHEET INDEX, SYMBOL LEGEND, AND GENERAL NOTES

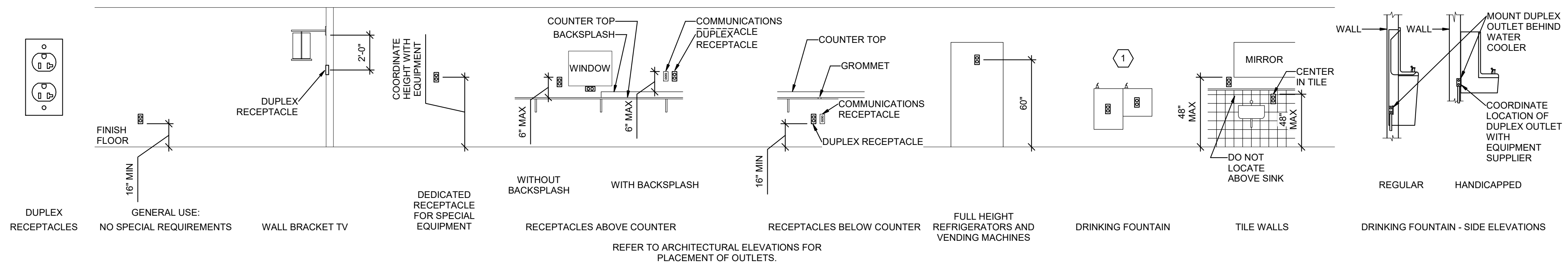
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SHEET:
EE-001

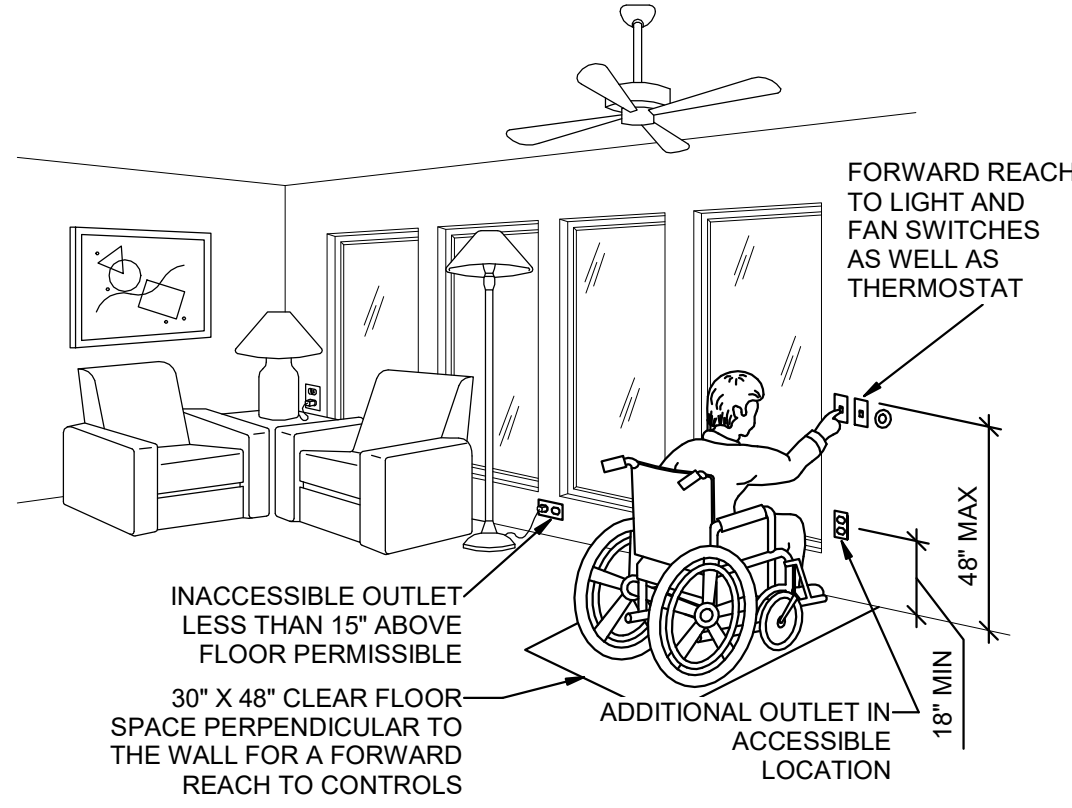


NOTE: ALL DEVICES SHALL BE INSTALLED AND LOCATED IN THE BLOCK CONSISTENTLY THROUGH OUT THE BUILDING.

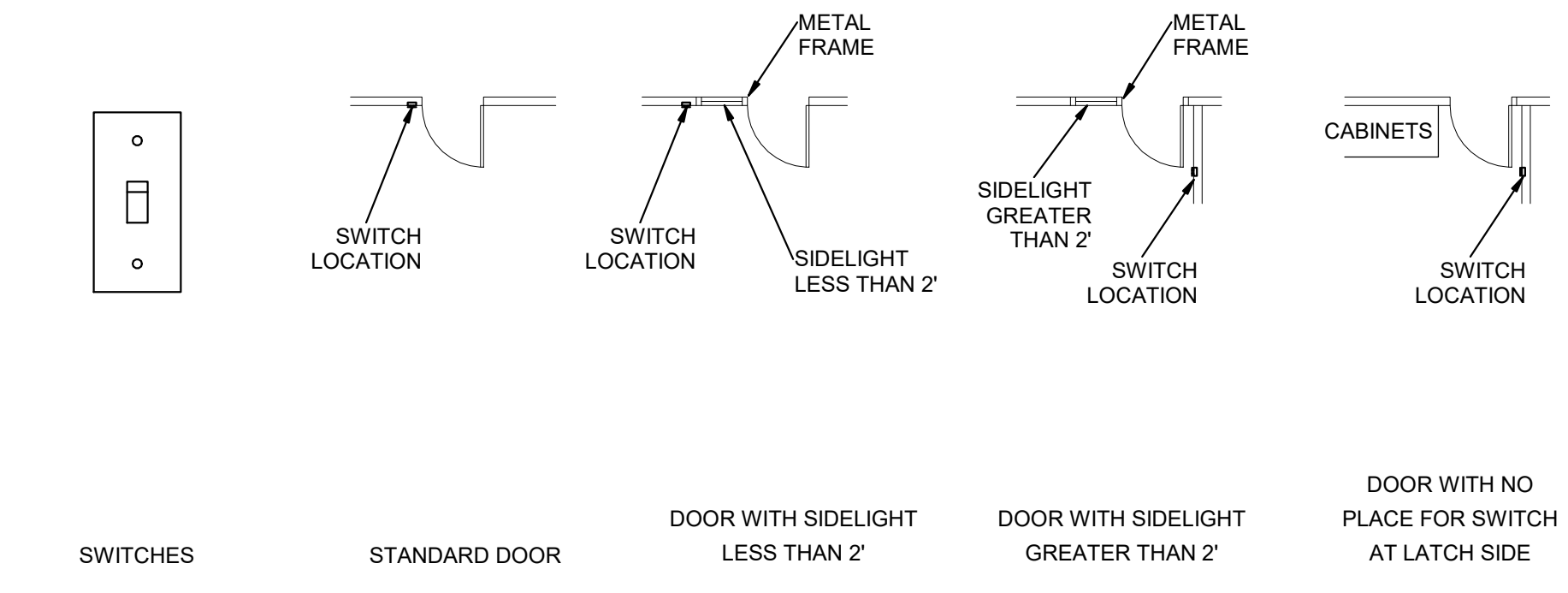
C1 CMU DEVICE MOUNTING ALIGNMENT DETAIL
SCALE: NTS



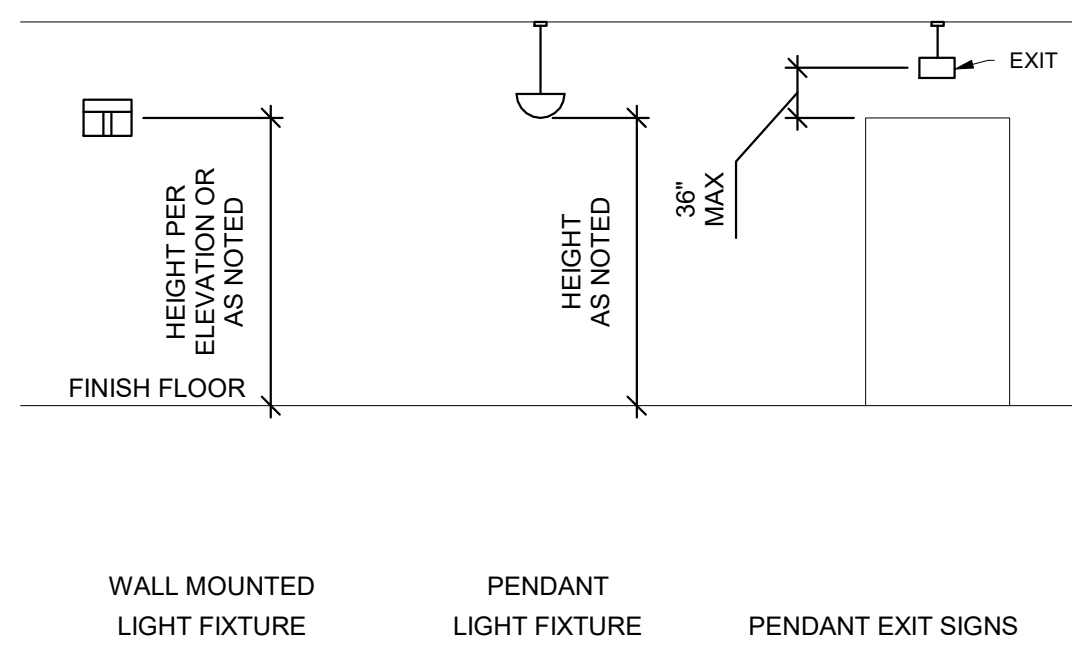
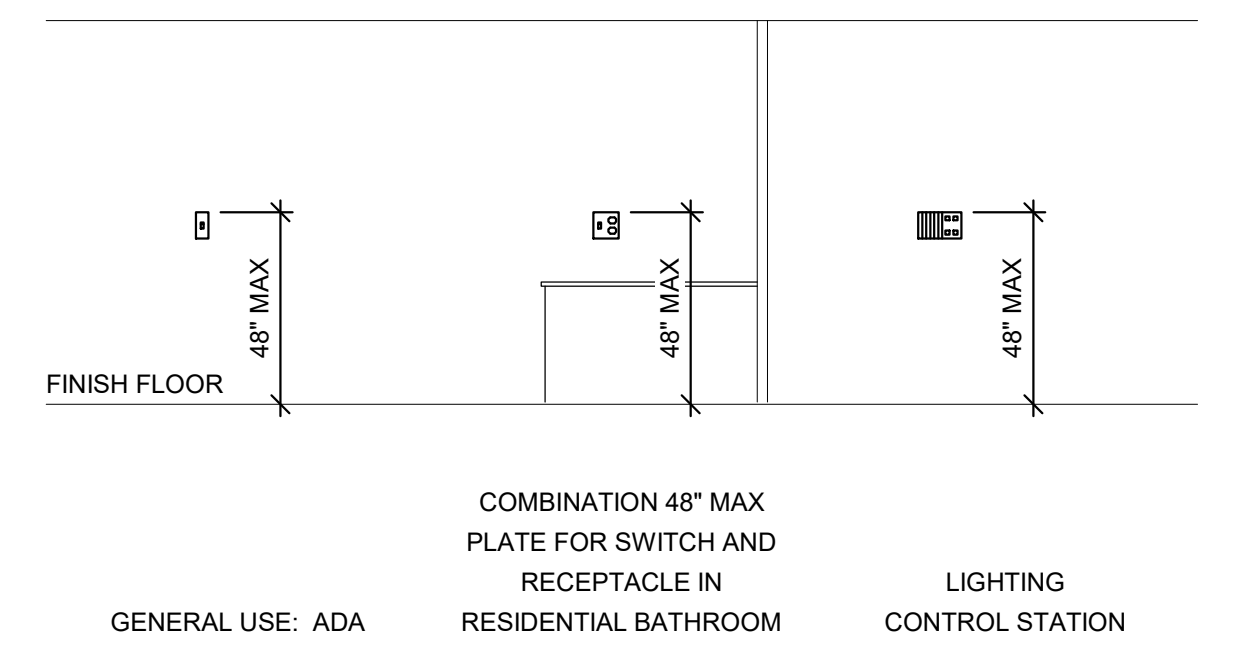
D2 RECEPTACLE MOUNTING DETAILS
SCALE: NTS



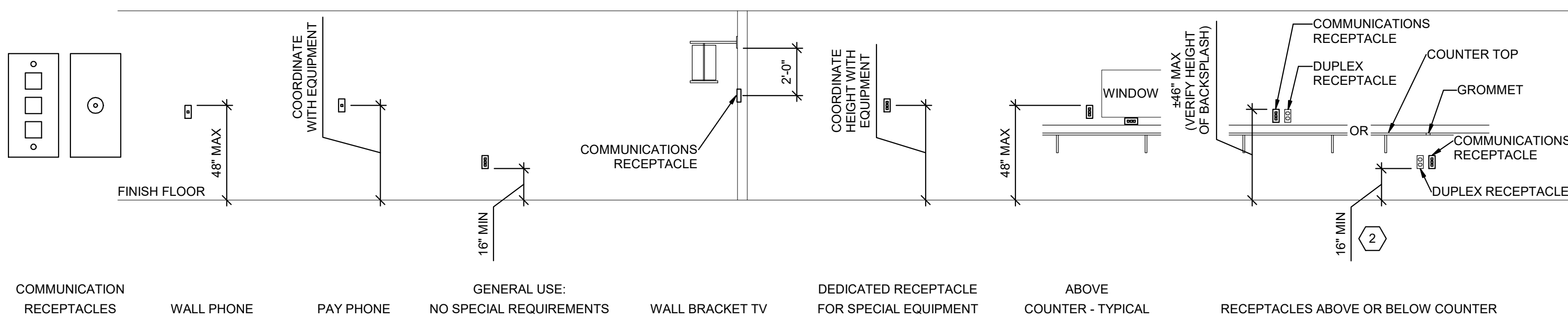
C2 ADA DETAIL
SCALE: NTS



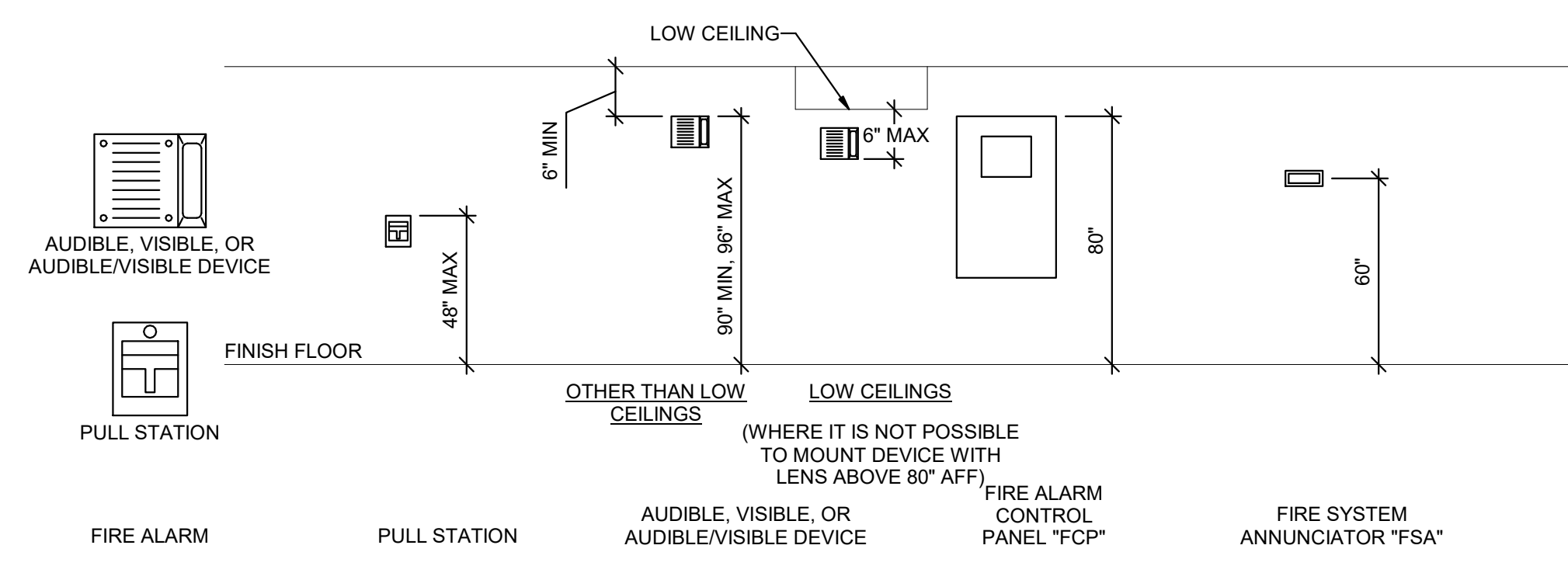
C3 SWITCH MOUNTING DETAILS
SCALE: NTS



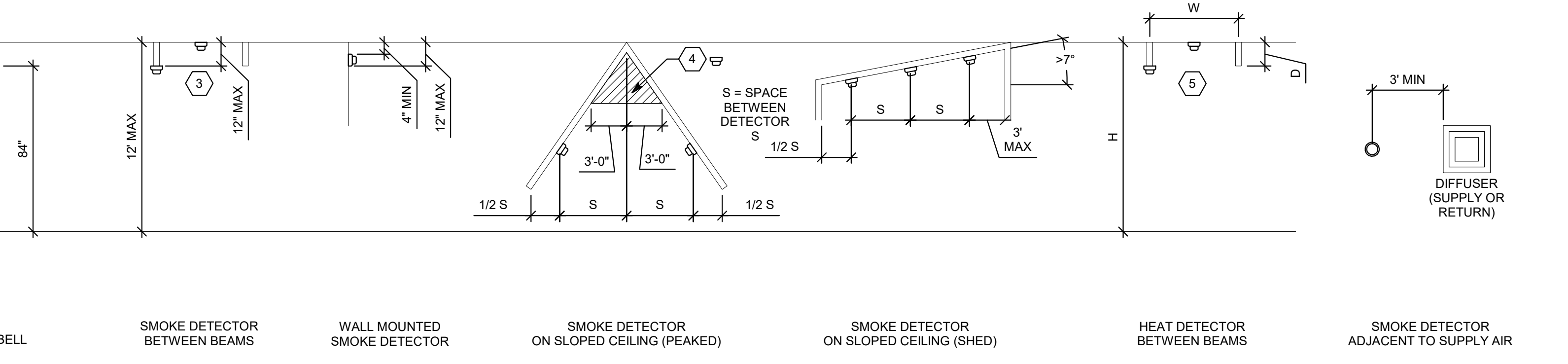
B2 LIGHTING MOUNTING DETAILS
SCALE: NTS



B3 COMMUNICATIONS MOUNTING DETAILS
SCALE: NTS



A1 FIRE ALARM MOUNTING DETAILS
SCALE: NTS



GENERAL SHEET NOTES

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

SHEET KEYNOTES

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

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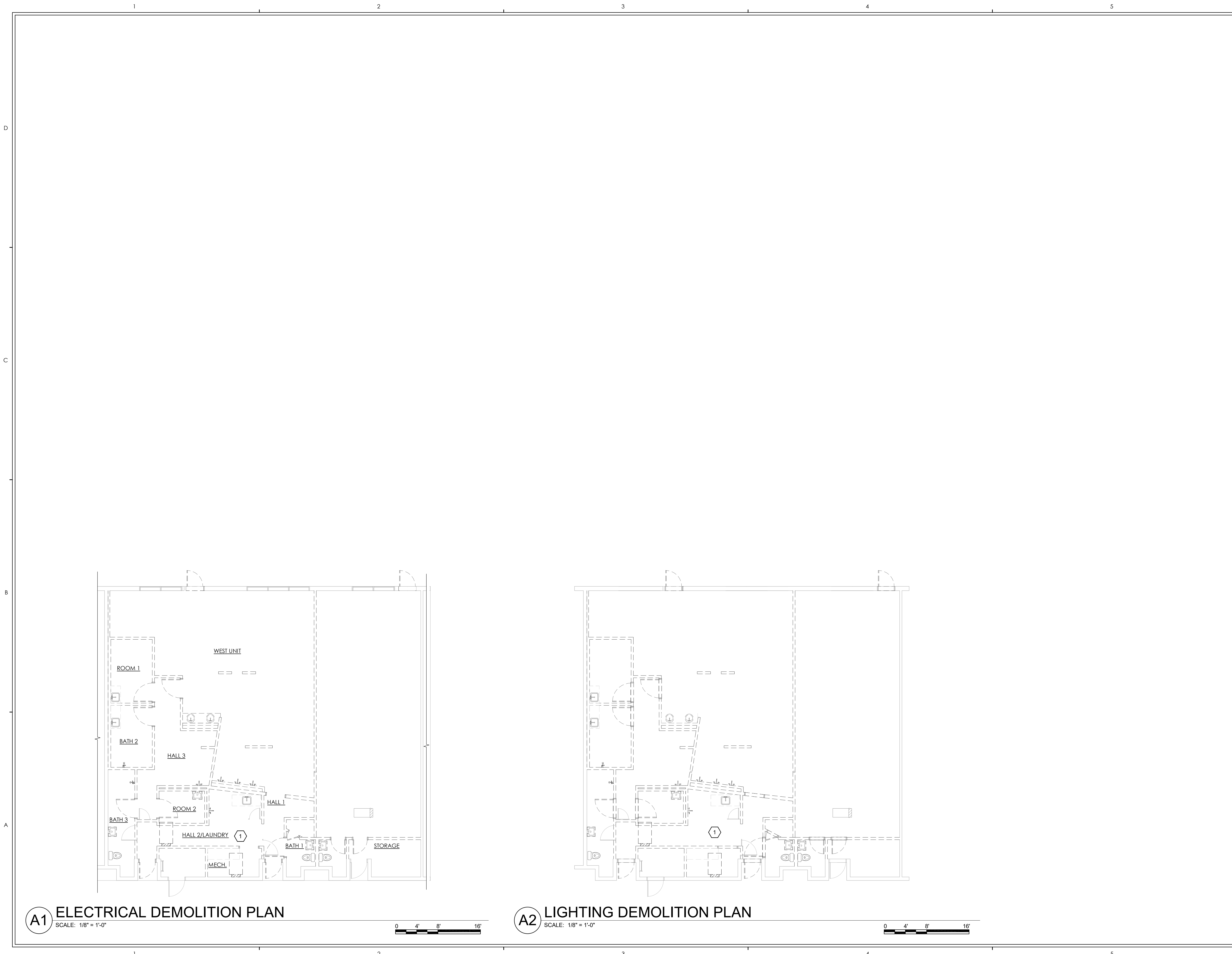
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10/15/19
STATE OF UTAH

REV.	DATE
PROJECT #	1918
DATE:	10/09/19
TITLE:	TYPICAL MOUNTING HEIGHT DETAILS

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SHEET: **EE-701**



A1 ELECTRICAL DEMOLITION PLAN
SCALE: 1/8" = 1'-0"

A2 LIGHTING DEMOLITION PLAN
SCALE: 1/8" = 1'-0"

GENERAL SHEET NOTES

SHEET KEYNOTES

- 1 REMOVE ALL EXISTING ELECTRICAL IN REMODELED AREAS. PULL BACK WIRING TO PANEL. PANELS IN SPACE ARE LIKEWISE TO BE REMOVED. REMOVE ASSOCIATED FEEDERS UNLESS THEY CAN BE USED FOR NEW PANELS.

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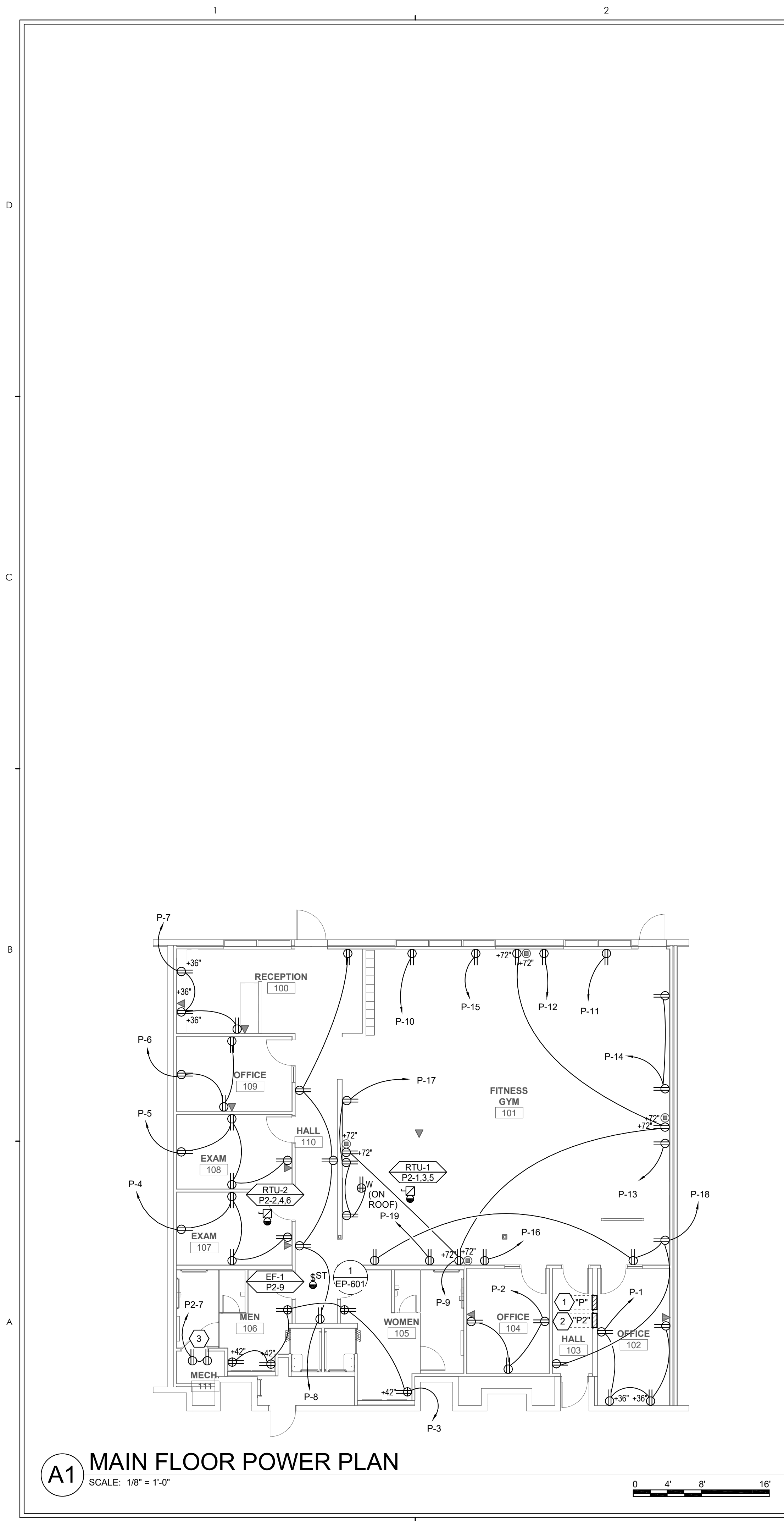
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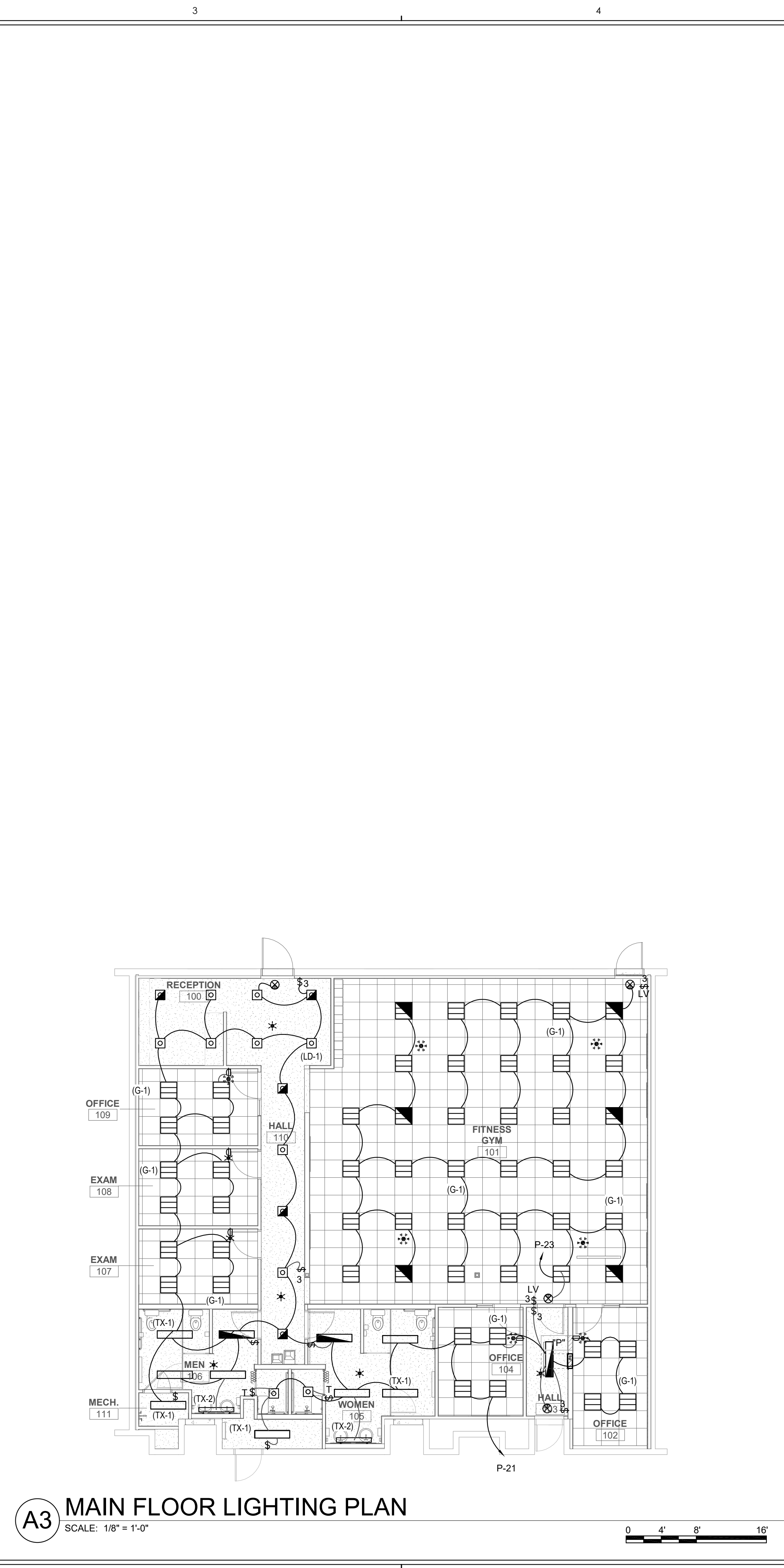
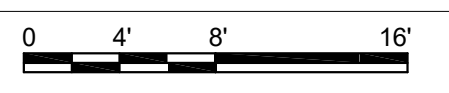
REV.	DATE
PROJECT #	1918
DATE:	10/09/19
TITLE:	POWER & LIGHTING DEMOLITION PLANS

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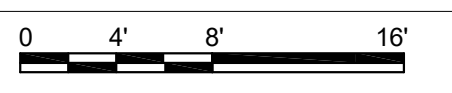
SHEET:
ED-101



A1 MAIN FLOOR POWER PLAN
SCALE: 1/8" = 1'-0"



A3 MAIN FLOOR LIGHTING PLAN
SCALE: 1/8" = 1'-0"



GENERAL SHEET NOTES

1 IN EXAM ROOMS USE HCF RATED M.C. CABLING FOR ALL ELECTRICAL (FROM PANEL TO EACH DEVICE/LIGHT IN ROOM). ALL OTHER ROOMS MAY USE STANDARD M.C. CABLE.

SHEET KEYNOTES

- 1 FOR PANEL "P1" PROVIDE 100A FEEDER FROM EXISTING 100/3 BREAKER AT FAR WEST END OF BUILDING (FIELD VERIFY LOCATION PRIOR TO BIDDING). WIRE SIZE TO BE #2AWG CU, #6GR, 1.5" C. IF THERE IS AN EXISTING FEEDER WITH SUFFICIENT LENGTH RUNNING TO THIS SPACE THAT MATCHES THIS SIZE, THIS FEEDER MAY BE USED. PROVIDE ASSOCIATED CREDITS IF EXISTING FEEDER IS USED.
- 2 FOR PANEL "P2" PROVIDE 100A FEEDER FROM EXISTING 100/3 BREAKER AT FAR WEST END OF BUILDING (FIELD VERIFY LOCATION PRIOR TO BIDDING). WIRE SIZE TO BE #2AWG CU, #6GR, 1.5" C. IF THERE IS AN EXISTING FEEDER WITH SUFFICIENT LENGTH RUNNING TO THIS SPACE THAT MATCHES THIS SIZE, THIS FEEDER MAY BE USED. PROVIDE ASSOCIATED CREDITS IF EXISTING FEEDER IS USED.
- 3 COORDINATE LOCATION OF WATER HEATER AND RECIRC PUMP WITH PLUMBING CONTRACTOR AND PLACE DUPLEX OUTLET IN APPROPRIATE LOCATION TO SERVE THIS EQUIPMENT.

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LICENSED PROFESSIONAL ENGINEER
No. 5148728
DAVID G. HINCKLEY
STATE OF UTAH

REV.	DATE
PROJECT #	1918
DATE:	10/09/19
TITLE:	MAIN FLOOR POWER & LIGHTING PLANS

ANY CHANGES OR MODIFICATIONS TO THE DESIGN OF THE PROJECT IS TO BE PRESENTED TO THE ARCHITECT FOR REVIEW AND APPROVAL. CONTRACTORS ARE TO BE FAMILIAR WITH ALL PORTIONS OF THE WORK. IT IS TO BE NOTED THAT SUBCONTRACTORS WORK IS NOT LIMITED TO SPECIFIC SHEETS AND THAT ALL OF THE DRAWINGS MAY BE PART OF THEIR SCOPE OF WORK AND/OR COORDINATION.

SHEET:
EP-140

EQUIPMENT SCHEDULE

MARK	QTY	ITEM DESCRIPTION	LOAD DATA							WIRE AND CONDUIT SIZE	OVERCURRENT PROTECTION			DISCONNECT			STARTER					NOTES	MARK			
			HP	kW	MCA	FLA	VOL T	PH	Hz		FURN BY	DEVICE	LOCATION	FURN BY	DEVICE	LOCATION	FURN BY	DEVICE	SIZES	SELECTOR SWITCH	PILOT LAMP			NORMALLY OPEN CONTACT	NORMALLY CLOSED CONTACT	PHASE FAILURE RELAY
EF-1	1	EXHAUST FAN	-	-	2	120	1	60	2 #12, 12 GR 0.75" CND	E	15/1 CB	P2	E	TOGGLE SWITCH	P2	Q	-	-	-	-	-	-	-	-	-	EF-1
RTU-1	1	ROOF TOP UNIT	-	-	32.2	208	3	60	3 #6, #10 GR 1" CND	E	50/3 CB	P2	E	60A/3P FRN-40	P2	Q	-	-	-	-	-	-	-	-	RTU-1	
RTU-2	1	ROOF TOP UNIT	-	-	23.3	208	3	60	3 #8, #10 GR 1" CND	E	40/3 CB	P2	E	60A/3P FRN-35	P2	Q	-	-	-	-	-	-	-	-	RTU-2	

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

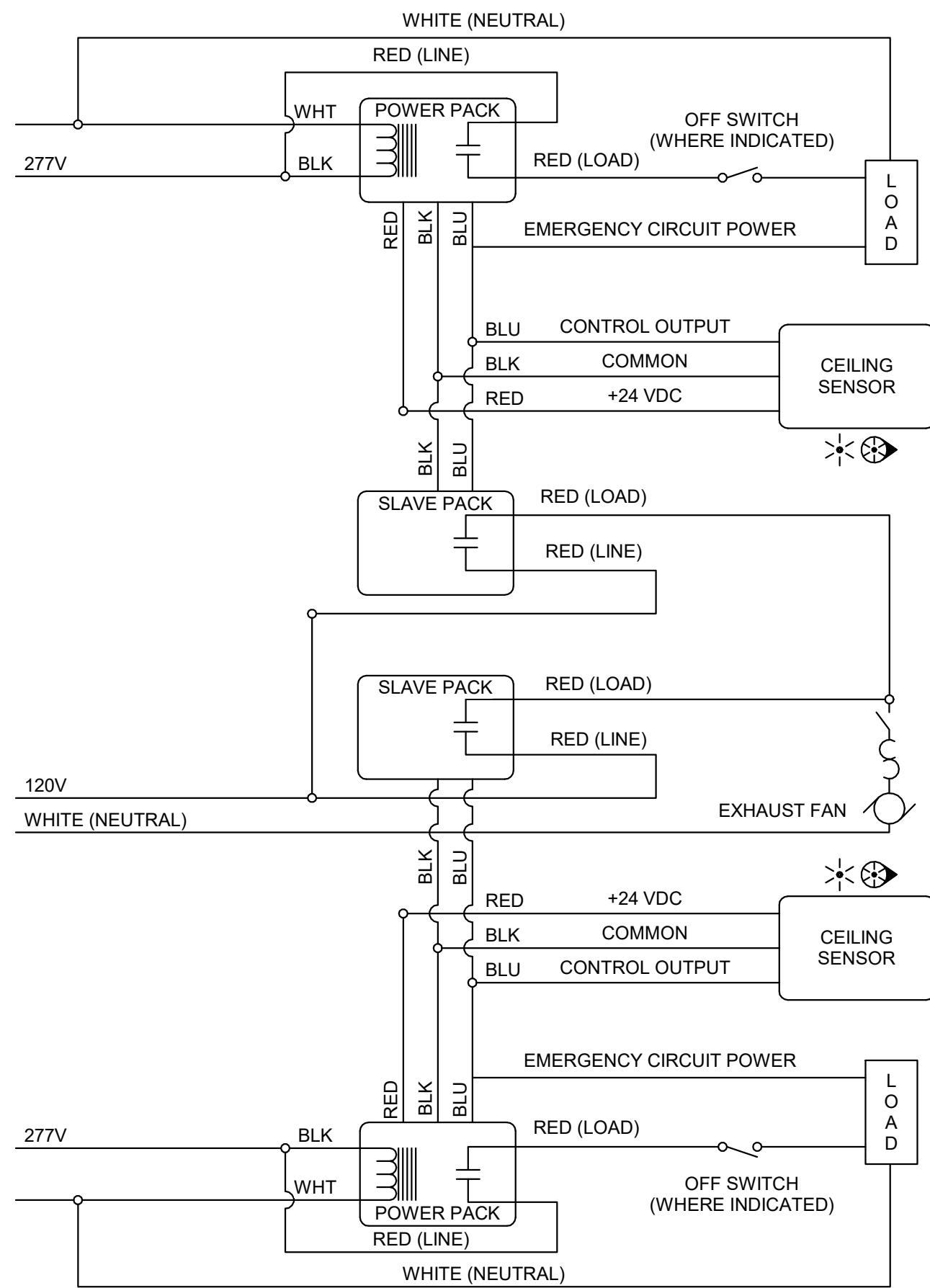
NOTES:
 1. NEMA 3R
 2. TOGGLE SWITCH W/ THERMAL OVERLOAD
 3. PROVIDE FUSED DISCONNECT ELEVATOR POWER MODULE WITH SHUNT TRIP
 4. CONTRACTOR TO PERFORM FINAL CONNECTION TO LINE VOLTAGE THERMOSTATS
 5. TOGGLE SWITCH W/BACNET INTERFACE
 6. INDOOR UNITS FED FROM OUTDOOR UNIT. PROVIDE DISCONNECTS FOR BOTH.
 7. PROVIDE SWITCH WITH BACNET MS/TP CAPABILITY
 8. PROVIDE LABEL ON DISCONNECT "DISCONNECT OUTDOOR UNIT PRIOR TO INDOOR."
 9. LINE VOLTAGE THERMOSTAT ON WALL
 10. PROVIDE EXPLOSION PROOF DEVICES AND WIRING METHODS.
 11. PROVIDE DUAL-REDUNDANT 100% RATED VFD'S FOR AIR HANDLER.
 12. PROVIDE MANUAL STARTER WITH THERMAL OVERLOAD AND RELAY FOR ATC/BAS CONTROL.

PANEL: "P2"

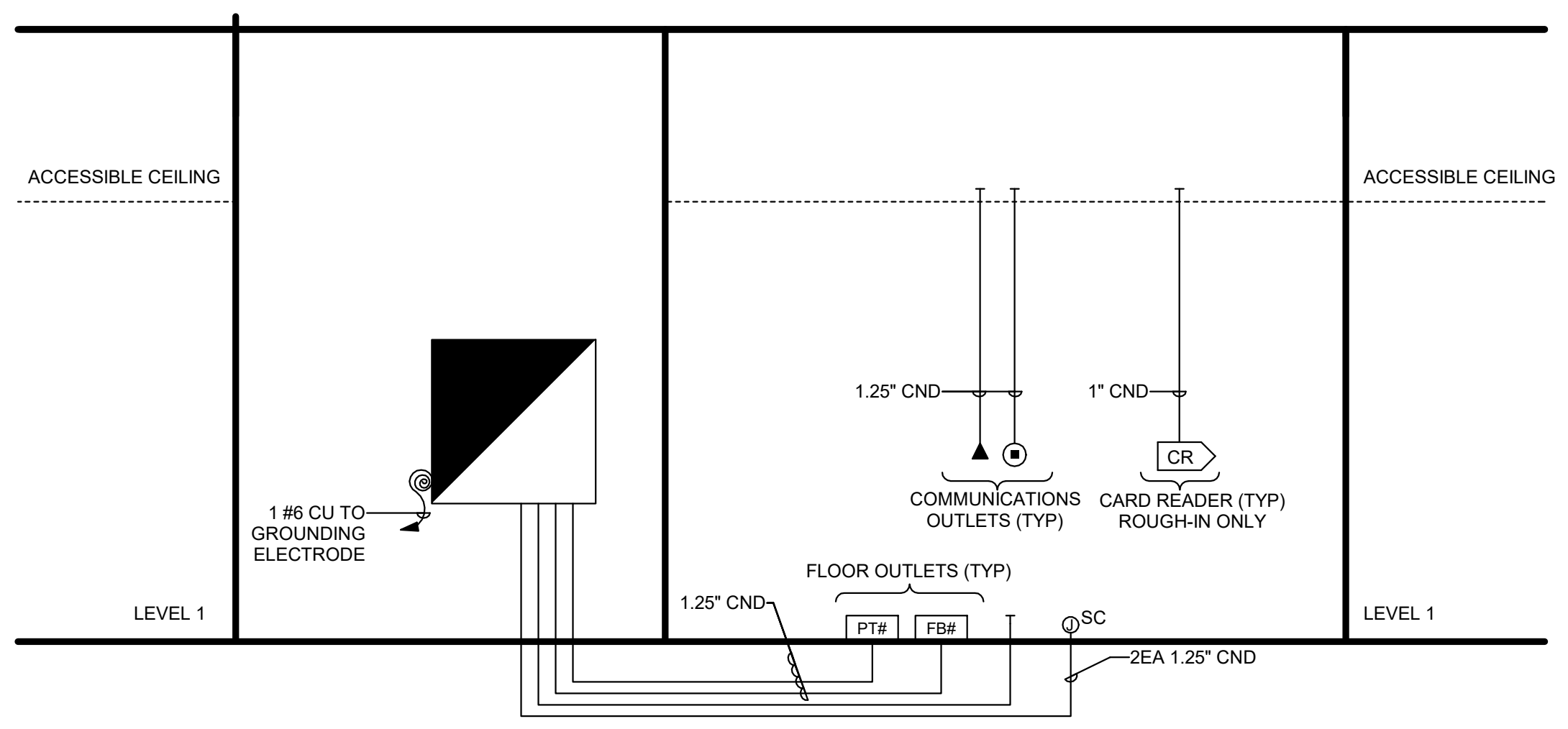
VOLTS/PHASE/WIRE:		PANEL SIZE & TYPE:		MAIN SIZE AND TYPE:		FED FROM:		CABINET:		LOCATION:		NOTES:						
120/208V, 3 PH 4 WIRE		22" W x 6" D, BOLT-ON		100 AMPERE MAIN LUGS		FLUSH		FLUSH		HALL 103								
ACCESSORIES: PANEL DIRECTORY, IDENTIFICATION, GROUNDING BAR																		
AIC RATING: 10000																		
CKT NO	AMP	POLE	BKR	LOAD (kVA)			PHASE LOAD			DESCRIPTION	LOAD (kVA)			OC	CKT NO			
				LTG	PWR	CO	A	B	C		CO	PWR	LTG			BKR	POLE	AMP
1	50	3		0.0	11.6	0.0				RTU-1	3.9	2.8			3	40	2	
3	--	--		--	--	--				--					--	--	4	
5	--	--		--	--	--				--					--	--	6	
7	20	1		0.0	0.0	0.4				CO MECH. 111	0.4	0.0			1	20	8	
9	15	1		0.0	0.2	0.0				EXHAUST FAN		0.2	0.0		1	20	10	
11	20	1		--	--	--				SPARE			0.0	0.0		1	20	12
13	20	1		--	--	--				SPARE	0.0	0.0					14	
15	20	1		--	--	--				SPARE		0.0	0.0				16	
17	20	1		--	--	--				SPARE			0.0	0.0			18	
TOTALS:				CONNECTED kVA PER PHASE			7	7	7	CONNECTED TOTAL kVA =			21					
				CONNECTED AMPS PER PHASE			59	58	56	AVERAGE CONNECTED AMPS PER PHASE =			57					
NEC DIVERSIFIED LOAD CALCULATIONS																		
LIGHTING & CONTINUOUS LOADS: 100% CONNECTED LOAD PLUS 25% DIVERSIFIED TOTAL kVA = 23																		
RECEPTACLES: 0.4 kVA @ 100% = 0.4 kVA - FIRST 10kVA @ 100%, REMAINDER @ 50% AVERAGE AMPS PER PHASE = 65																		
ALL OTHER LOADS @ 100%: 23.1 kVA - MOTOR TOTALS INCLUDED IN ALL OTHER LOADS WITH LARGEST MOTOR CALCULATED @ 125% PER NEC																		
BKR: GF=GFCI, GF3=30mA GFCI CAPABLE OF BEING LOCKED OUT IN OPEN POSITION, IG=ISOLATED GROUND, AF=AFCI, ST=SHUNT TRIP, RED=PROVIDE RED COLORED BREAKER, AF=ARC FAULT CURRENT INTERRUPTER, GA=COMBINATION OF GROUND FAULT AND ARC FAULT CIRCUIT INTERRUPTER, GS=COMBINATION OF SHUNT TRIP WITH GFCI																		

PANEL: "P"

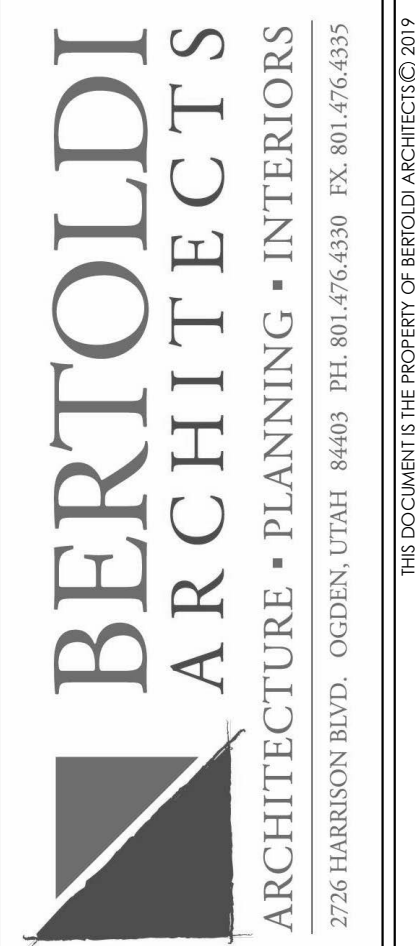
VOLTS/PHASE/WIRE:		PANEL SIZE & TYPE:		MAIN SIZE AND TYPE:		FED FROM:		CABINET:		LOCATION:		NOTES:					
120/208V, 3 PH 4 WIRE		22" W x 6" D, BOLT-ON		100 AMPERE MAIN LUGS		FLUSH		FLUSH		HALL 103							
ACCESSORIES: PANEL DIRECTORY, IDENTIFICATION, GROUNDING BAR																	
AIC RATING: 10000																	
CKT NO	AMP	POLE	BKR	LOAD (kVA)			PHASE LOAD			DESCRIPTION	LOAD (kVA)			OC	CKT NO		
				LTG	PWR	CO	A	B	C		CO	PWR	LTG			BKR	POLE
1	20	1		0.0	0.0	0.7				CO OFFICE 102	0.7	0.5			1	20	2
3	20	1		0.0	0.0	0.9				CO ROOM 105, 106		0.9	0.7		1	20	4
5	20	1		0.0	0.0	0.7				CO EXAM 108			0.7	0.5	1	20	6
7	20	1		0.0	0.0	0.5				CO RECEPTION 100	0.5	0.9			1	20	8
9	20	1		0.0	0.0	0.7				CO FITNESS GYM 101		0.7	1.0		1	20	10
11	20	1		0.0	1.0	0.0				POWER FITNESS GYM 101		1.0	0.2		1	20	12
13	20	1		0.0	1.0	0.0				POWER FITNESS GYM 101	1.0	1.2			1	20	14
15	20	1		0.0	0.0	0.2				CO FITNESS GYM 101		0.2	1.0		1	20	16
17	20	1		0.0	1.0	0.5				CO FITNESS GYM 101			1.5	0.7	1	20	18
19	20	1		0.0	0.0	0.2				CO FITNESS GYM 101	0.2	0.0			1	20	20
21	20	1		1.8	0.0	0.0				OFFICE/EXAM/RESTRM LTG		1.8	0.0		1	20	22
23	20	1		1.7	0.0	0.0				FITNESS GYM LIGHTING		1.7	0.0		1	20	24
25	20	1		--	--	--				SPARE	0.0	0.0			1	20	26
27	20	1		--	--	--				SPARE	0.0	0.0			1	20	28
29	20	1		--	--	--				SPARE			0.0	0.0	1	20	30
31	20	1		--	--	--				SPARE	0.0	0.0					32
33	20	1		--	--	--				SPARE	0.0	0.0					34
35	20	1		--	--	--				SPARE			0.0	0.0			36
37	--	--		--	--	--				SPACE	0.0	0.0					38
39	--	--		--	--	--				SPACE			0.0	0.0			40
41	--	--		--	--	--				SPACE				0.0	0.0		42
TOTALS:				CONNECTED kVA PER PHASE			5	6	6	CONNECTED TOTAL kVA =			18				
				CONNECTED AMPS PER PHASE			42	54	55	AVERAGE CONNECTED AMPS PER PHASE =			49				
NEC DIVERSIFIED LOAD CALCULATIONS																	
LIGHTING & CONTINUOUS LOADS: 3.5 kVA @ 125% = 4.4 kVA 100% CONNECTED LOAD PLUS 25% DIVERSIFIED TOTAL kVA = 19																	
RECEPTACLES: 8.3 kVA @ 100% = 8.3 kVA - FIRST 10kVA @ 100%, REMAINDER @ 50% AVERAGE AMPS PER PHASE = 52																	
ALL OTHER LOADS @ 100%: 6.0 kVA - MOTOR TOTALS INCLUDED IN ALL OTHER LOADS WITH LARGEST MOTOR CALCULATED @ 125% PER NEC																	
BKR: GF=GFCI, GF3=30mA GFCI CAPABLE OF BEING LOCKED OUT IN OPEN POSITION, IG=ISOLATED GROUND, AF=AFCI, ST=SHUNT TRIP, RED=PROVIDE RED COLORED BREAKER, AF=ARC FAULT CURRENT INTERRUPTER, GA=COMBINATION OF GROUND FAULT AND ARC FAULT CIRCUIT INTERRUPTER, GS=COMBINATION OF SHUNT TRIP WITH GFCI																	



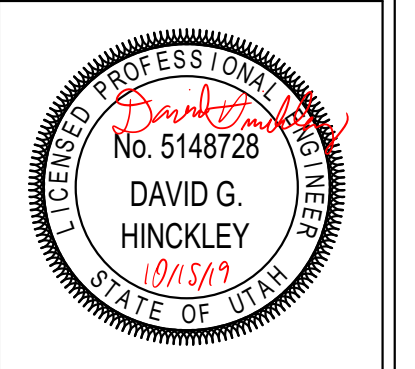
1 TWO RESTROOM SENSORS CONTROLLING A COMMON EXHAUST FAN
 SCALE: 1/8" = 1'-0"



2 VOICE/ DATA CONDUIT RISER DIAGRAM
 SCALE: 1/8" = 1'-0"



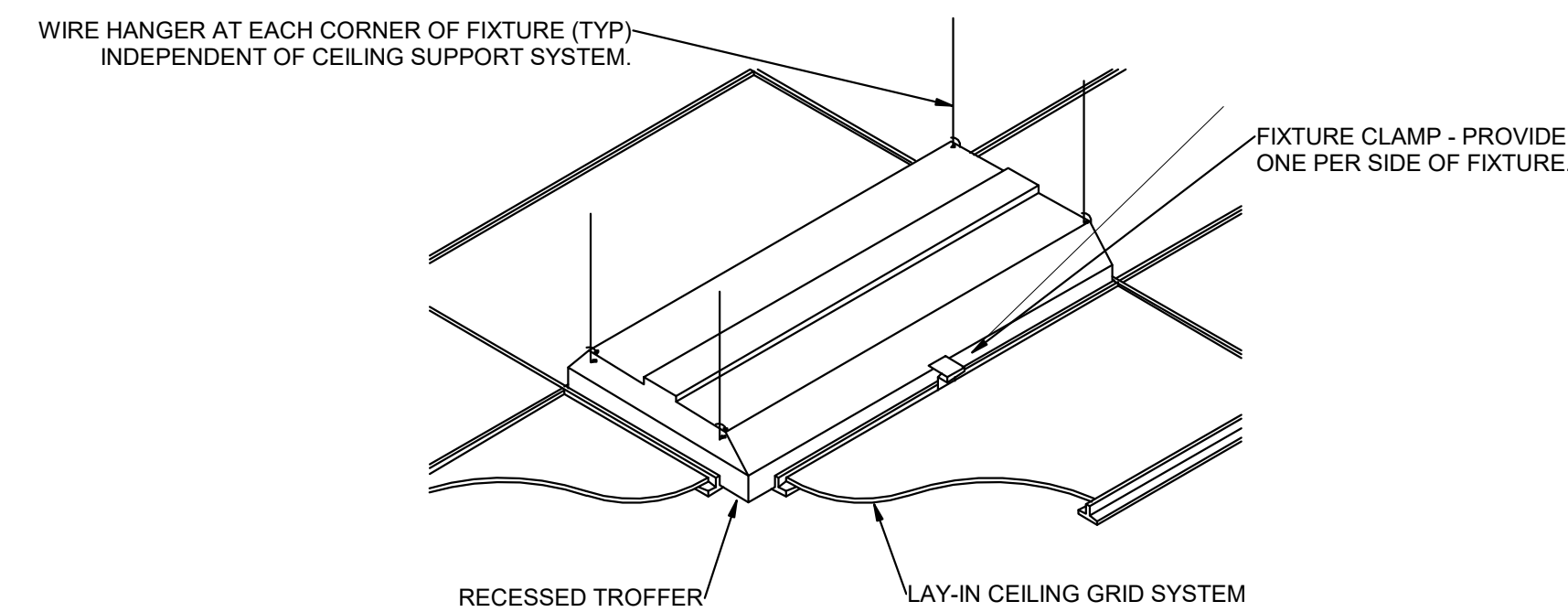
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REV.	DATE
PROJECT #	1918
DATE:	10/09/19
TITLE:	PANEL & EQUIPMENT SCHEDULES

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SHEET:
EP-601



2 RECESSED FIXTURE MOUNTING DETAIL
 SCALE: 1/8" = 1'-0"

LIGHTING FIXTURE SCHEDULE								
SYMBOL	MARK	FIXTURE CHARACTERISTICS BODY / AIR / MOUNTING / DOOR LENS/LOUVER/REFLECTOR/OTHER	LAMP	WATTS	VOLTS	MANUFACTURER	CATALOG NUMBER	NOTES
E9		EXIT SIGN: EDGE LIT; UNIVERSAL MOUNTING; UNIVERSAL ARROWS PER PLANS; EMERGENCY BATTERY PACK WITH 10 YEAR PRO-RATA WARRANTY; LED, DIFFUSE LENS PANEL; GREEN LETTERS ON WHITE BACKGROUND. MUST MEET NFPA ILLUMINATION STANDARDS.						
E9-1		SINGLE FACE:	LED	1W	120/277V	COMPASS ISOLITE EVENLITE	CELR1GNE ELT EM G 1C WH RC UC SOV-EM-G-1C-WH-RC-UC	
DX		LED DOWNLIGHT						
DX-1		6" LED DOWNLIGHT WET LOCATION	LED	18W	120/277V	LITHONIA LIGHTOLIER HALO PRESCOLITE	LDN6-35-15-L06-AR-LSS-MVOLT-GZ10-WET 6RNZ6RDL15835WOSCDZ10U HC6-15-D010-XX-HM6-12-835-61-MD-H LF6SL-DIM1-6LFSL-20L-35K-8-FL35-SS	
G		INDIRECT TROFFERS: RECESSED FOR LAY-IN GRID; HINGED FLUSH STEEL DOOR WITH LATCH; EARTHQUAKE CLIPS, PROGRAM START ELECTRONIC BALLASTS; LONG COMPACT FLUORESCENT LAMPS; ONE BALLAST PER FIXTURE, 100-10% DIMMING BALLAST WHERE SHOWN.						
G-1		LED CENTER BASKET 4000 LUMENS	LED	40W	277/120V	COLUMBIA LITHONIA DAYBRITE METALUX	LCAT-22-35-ML-G-UNV-0-10V DIM 2BLT2-33L-ADSM-MVOLT-EZ1-LP835 2EVG-30L-835-2-D-UNV-DIM 22CZ-LD5-32SE-S-UNV-L835-CD1	
TX		SPECIALTY FIXTURE						
TX-1		SURFACE FLAT PANEL	LED	40W	277/120V	COLUMBIA LITHONIA DAYBRITE METALUX	CFP14-4035/CFPSMK-14 EPANL 1x4 4000LM 80CRI 35K MIN10 ZT MVOLT /1x4SMKSH 1FXP388835-4-DS-UNV-DIM /FSF14 14FP235C/FPSURF14	
TX-2		WALL VANITY LIGHT	LED	20W	120V	AYRE MODERN FORMS WAC	AXIS36 WS-3436 WS-77636-35-AL	

1 LIGHT FIXTURE SCHEDULE
 SCALE: NTS