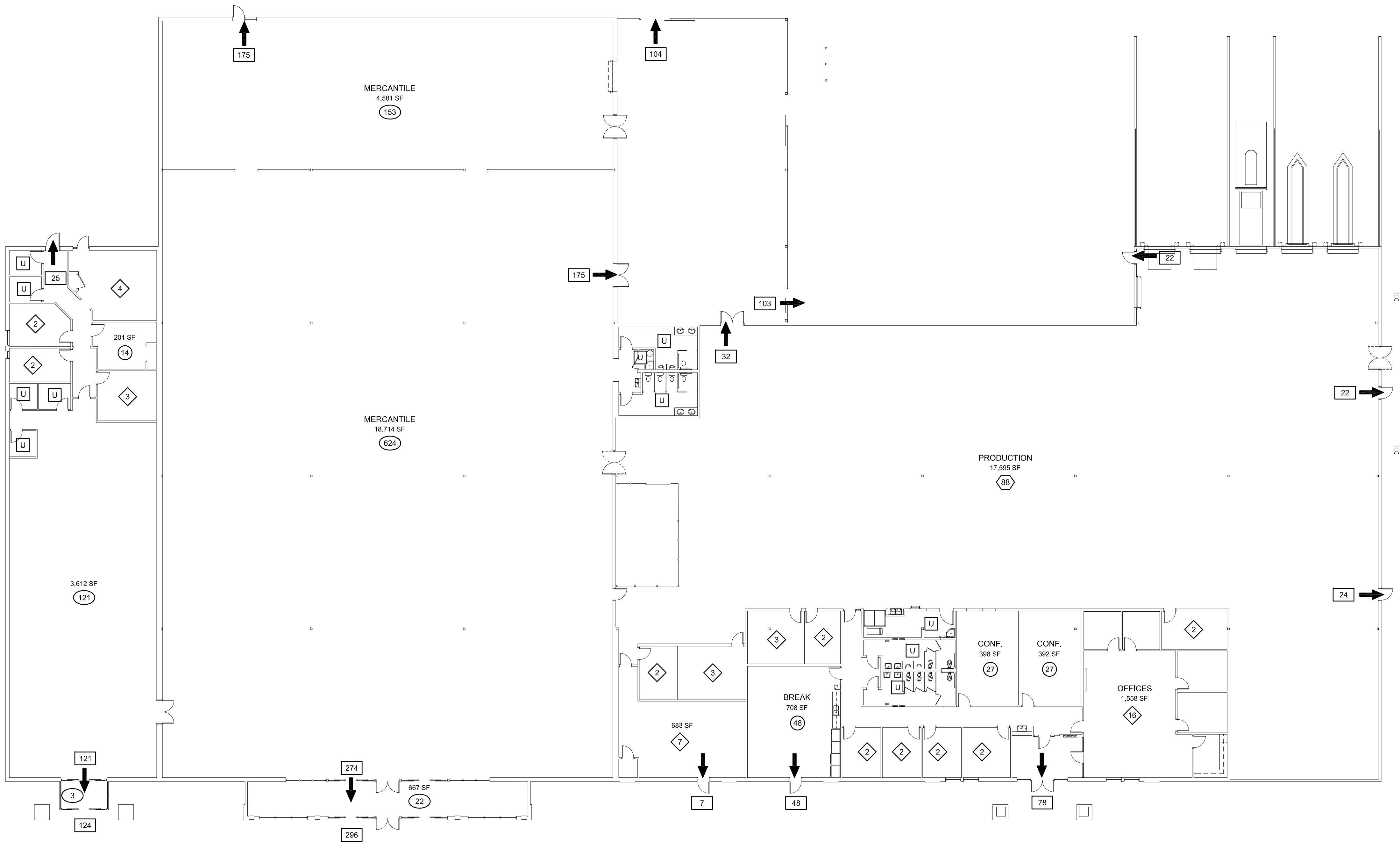




OCCUPANCY AND EXITING PLAN

SCALE: 1/16" = 1'-0"

1

LEGEND

SYMBOL	DESCRIPTION
120 SF	ROOM SQUARE FOOTAGES
22 101	OCCUPANT LOAD SERVED BY EXIT
U	ROOM OCCUPANT LOAD NOT COUNTED IN TOTAL
U	OCCUPANT LOAD SERVED BY EXIT BUT NOT COUNTED IN TOTAL OCCUPANT LOAD.
101	ROOM OCCUPANT LOAD AT 30 SQ. FT. PER PERSON
18	ROOM OCCUPANT LOAD AT 200 SQ. FT. PER PERSON
3	ROOM OCCUPANT LOAD AT 15 SQ. FT. PER PERSON
10	ROOM OCCUPANT LOAD AT 100 SQ. FT. PER PERSON

2021 IBC CODE INFORMATION

CODE ITEM REFERENCE	CODE REQUIREMENT	ACTUAL BUILDING DESIGN
OCCUPANCY CHAPTER 3	M.B.F-1 (NON-SEPARATED) (EXISTING, 2003 IBC)	M.B.F-1 (NON-SEPARATED)
CONSTRUCTION TYPE CHAPTER 6, TABLE 601	TYPE III-B (EXISTING, 2003 IBC) FIRE SPRINKLED	TYPE III-B FIRE SPRINKLED
TOTAL OCCUPANTS SECTION 1004		TOTAL OCCUPANTS = 1,028 MERC. = 770, FACTORY = 88, BUSINESS = 170
ALLOWABLE FLOOR AREA TABLE 506.2	TABULAR AREA = 48,000 SF (F-1,S1)	
AREA MODIFICATIONS SECTION 506	37% INCREASE FOR FRONTAGE (506.3) (CALCULATION FROM ORIGINAL CONSTRUCTION DOCS) 65,722 SF TOTAL ALLOWABLE AREA	BUILDING = 55,712 SF COVERED AREAS = 3,557 SF TOTAL AREA = 59,269 SF (EXISTING)
ALLOWABLE HEIGHT TABLE 504.3, 504.4	TABULAR VALUES = 3 STORIES, 75 FEET	1 STORIES = 26'-0" (EXISTING)
EGRESS WIDTH SECTION 1005	STAIRS 0.3' / OCCUPANT OTHERS 0.2' / OCCUPANT 206" REQUIRED	TOTAL WIDTH = 546" PROVIDED
PLUMBING FIXTURES SECTION 2902	SEE "PLUMBING FIXTURE COUNT"	SEE "PLUMBING FIXTURE COUNT"
RESTROOM ACCESSIBILITY 1109.2, 1109.2.1	ANSI A117.1 - 1 ACCESSIBLE FIXTURE TYPE FOR EACH RESTROOM	COMPLIES
ACCESSIBLE ENTRANCES SECTION 1105.1	PUBLIC ENTRANCES: AT LEAST 60% BUT NOT LESS THAN 1	TOTAL ENTRANCES = 2 ACCESSIBLE ENTRANCES = 2

PLUMBING FIXTURE COUNT

MALE OCCUPANTS = 514 FEMALE OCCUPANTS = 514						
FIXTURE TYPE	WATER CLOSETS		LAVATORIES		DRINKING FOUNTAINS	SERVICE SINK
	MALE	FEMALE	MALE	FEMALE		
CODE REQUIREMENT	M=1,F=1,B=2 4	M=1,F=1,B=2 4	M=1,F=1,B=2 4	M=1,F=1,B=2 4	M=1,F=1,B=2 4	1
EXISTING BUILDING	7	7	5	5	7	3
NEW BUILDING DESIGN	8	8	5	5	7	3

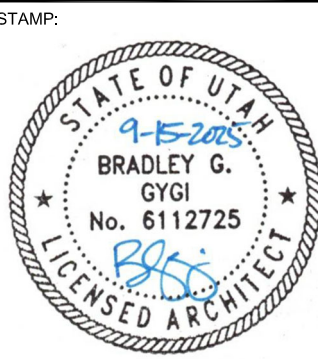
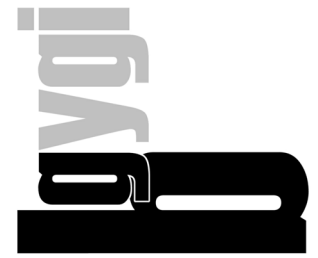
CODE INFORMATION

BUILDING CODES	2021 - INTERNATIONAL BUILDING CODE (IBC)
	2021 - INTERNATIONAL EXISTING BUILDING CODE (IEBC)
FIRE CODE	2021 - INTERNATIONAL FIRE CODE (IFC)
ELECTRIC CODE	2020 - NATIONAL ELECTRIC CODE (NEC)
PLUMBING CODE	2021 - INTERNATIONAL PLUMBING CODE (IPC)
MECHANICAL CODE	2021 - INTERNATIONAL MECHANICAL CODE (IMC)
ENERGY CODE	2021 - INTERNATIONAL ENERGY CONSERVATION CODE (IECC)

IEBC CODE ANALYSIS INFORMATION:

- WORK AREA (IEBC 202):
1. 1,510 SF (2.5% OF 59,269 TOTAL FLOOR AREA)
- COMPLIANCE METHODS (IEBC CHAPTER 3):
WORK AREA COMPLIANCE METHOD (301.3.2)
- CLASSIFICATION OF WORK (IEBC CHAPTER 6)
ALTERATION - LEVEL 2 (WORK AREA IS LESS THAN 50% OF FLOOR AREA)
- ALTERATIONS - LEVEL 2 (IEBC CHAPTER 8)
AUTOMATIC SPRINKLER SYSTEM (803.2.2) EXISTING TO BE MODIFIED.
- OCCUPANT LOAD: NET MINUS 2 TO TOTAL OCCUPANT LOAD IN BUILDING
- ACCESSIBILITY AND RESTROOM FIXTURE COUNT:
OVERALL TOTAL FIXTURE COUNT IN BUILDING IS INCREASED FOR CURRENT CODE COMPLIANCE
REMODELED RESTROOMS PROVIDE ACCESSIBLE FIXTURES OF EACH TYPE

bradley gygi architect
& associates, pllc



HARRISVILLE DI INTERIOR REMODEL
WELFARE DI UTAH NORTH /
NORTHWEST REGION OFFICE
435 NORTH WALL AVE.
HARRISVILLE, UT

PROJECT FOR:
THE CHURCH OF
JESUS CHRIST
OF LATTER-DAY SAINTS

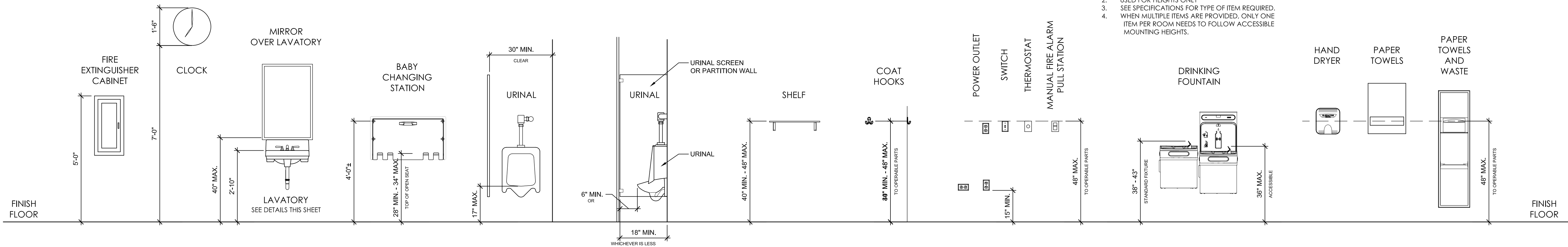
PROJECT NUMBER:
500021624010101
DATE:
15 SEPT 2025
PROPERTY NUMBER:
5000216

DRAWN BY:
BGG
CHECKED:
BGG

SHEET TITLE:
CODE
INFORMATION

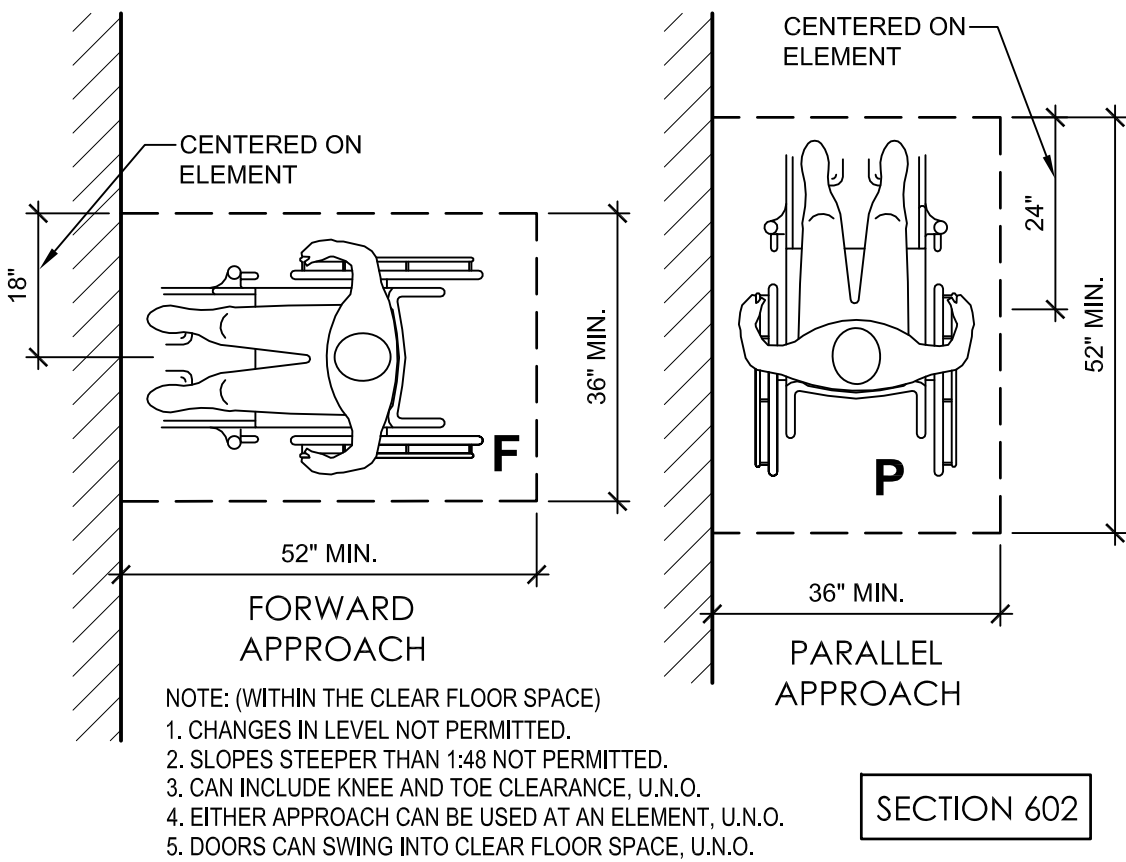
SHEET:
G101

ACCESSIBLE COMMON SPACE REQUIREMENTS BASED ON ICC/ANSI A117.1-2017



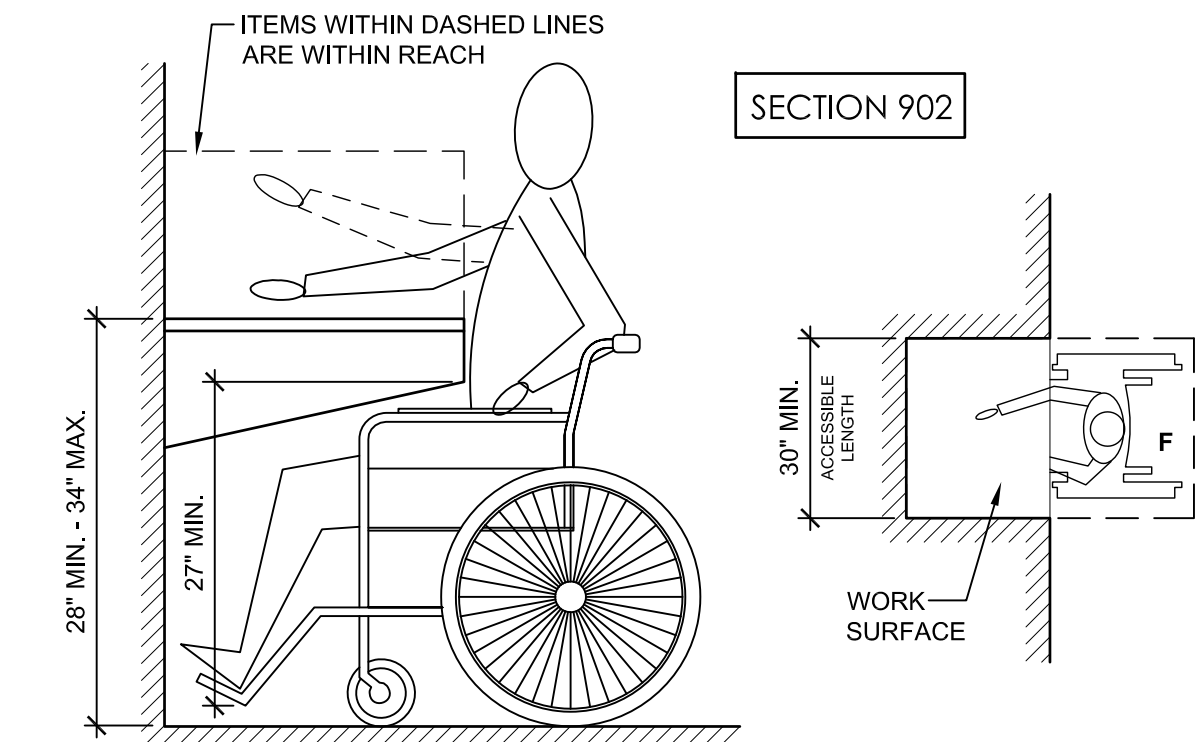
TYPICAL ACCESSIBLE MOUNTING HEIGHTS

SCALE: 1/2" = 1'-0"



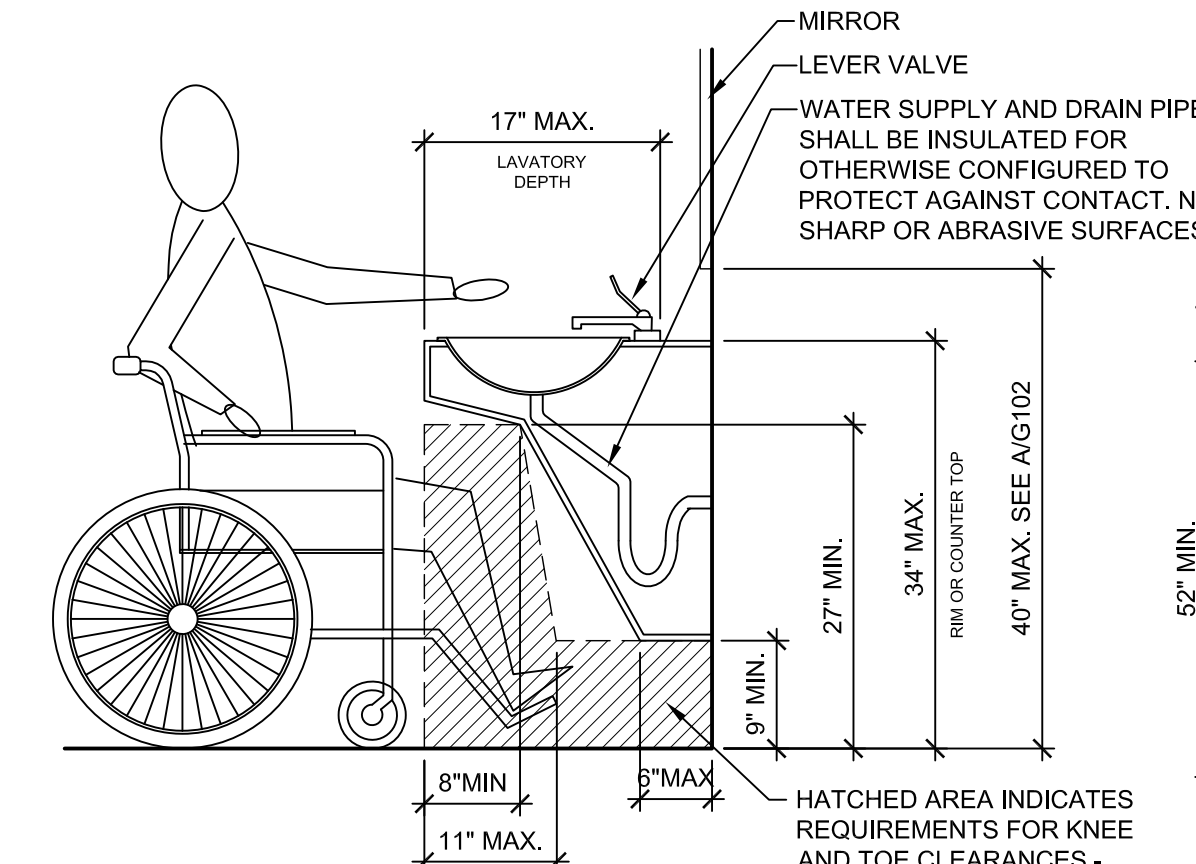
CLEAR FLOOR SPACE

SCALE: 1/2" = 1'-0"



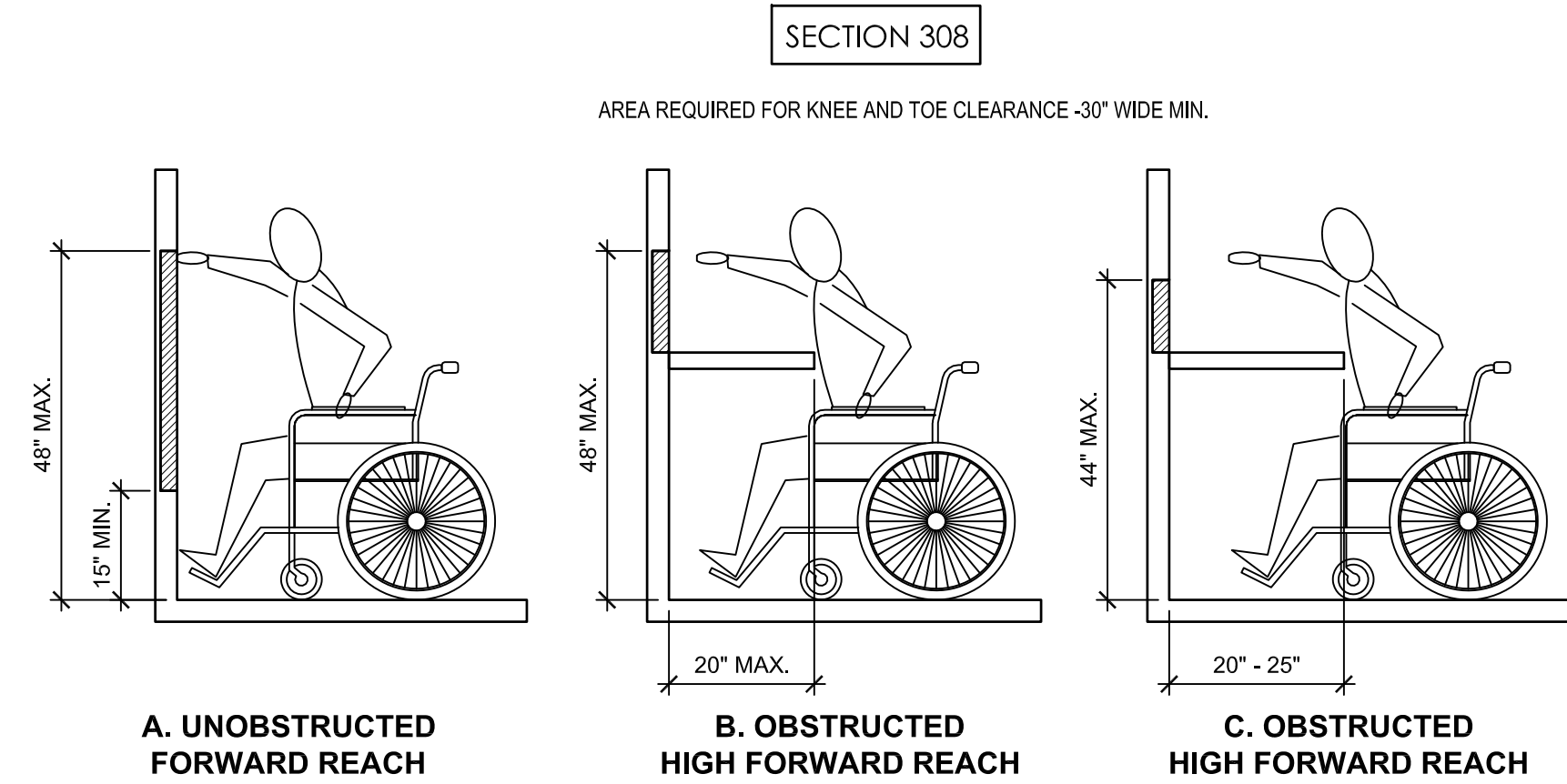
WORK SURFACE

SCALE: 1/2" = 1'-0"



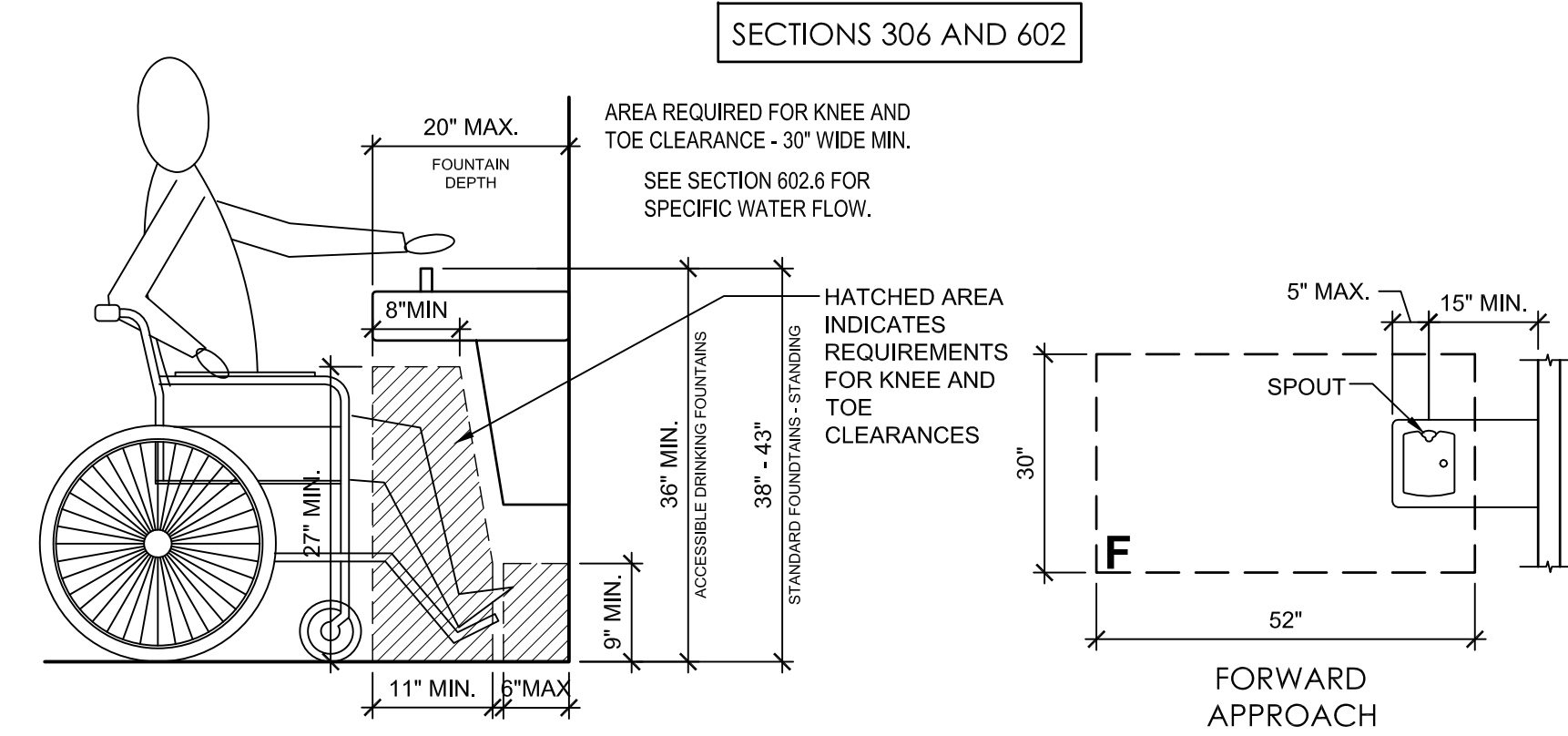
PUBLIC LAVATORY

SCALE: 1/2" = 1'-0"



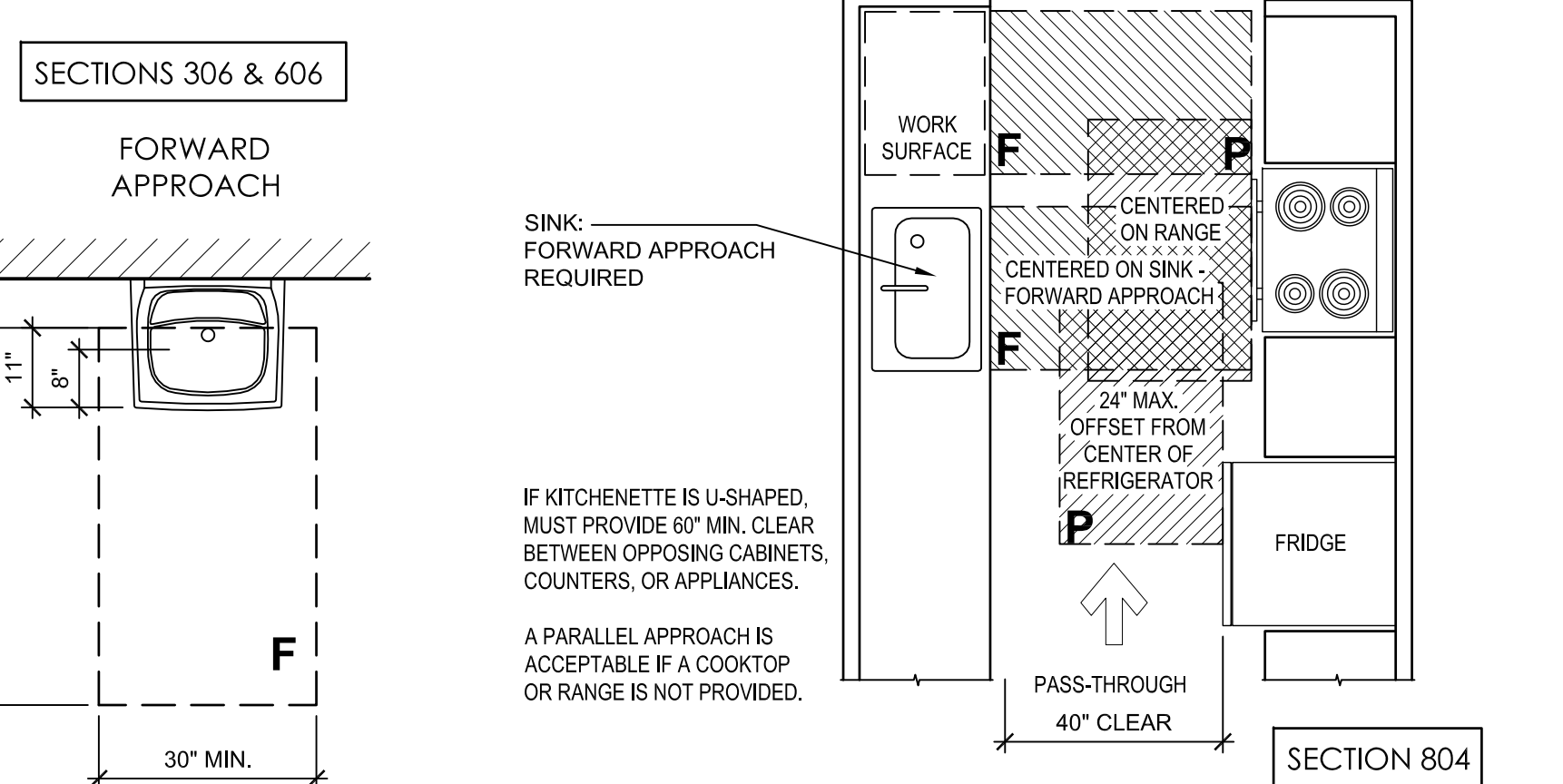
REACH RANGES FOR FORWARD REACH

SCALE: 1/2" = 1'-0"



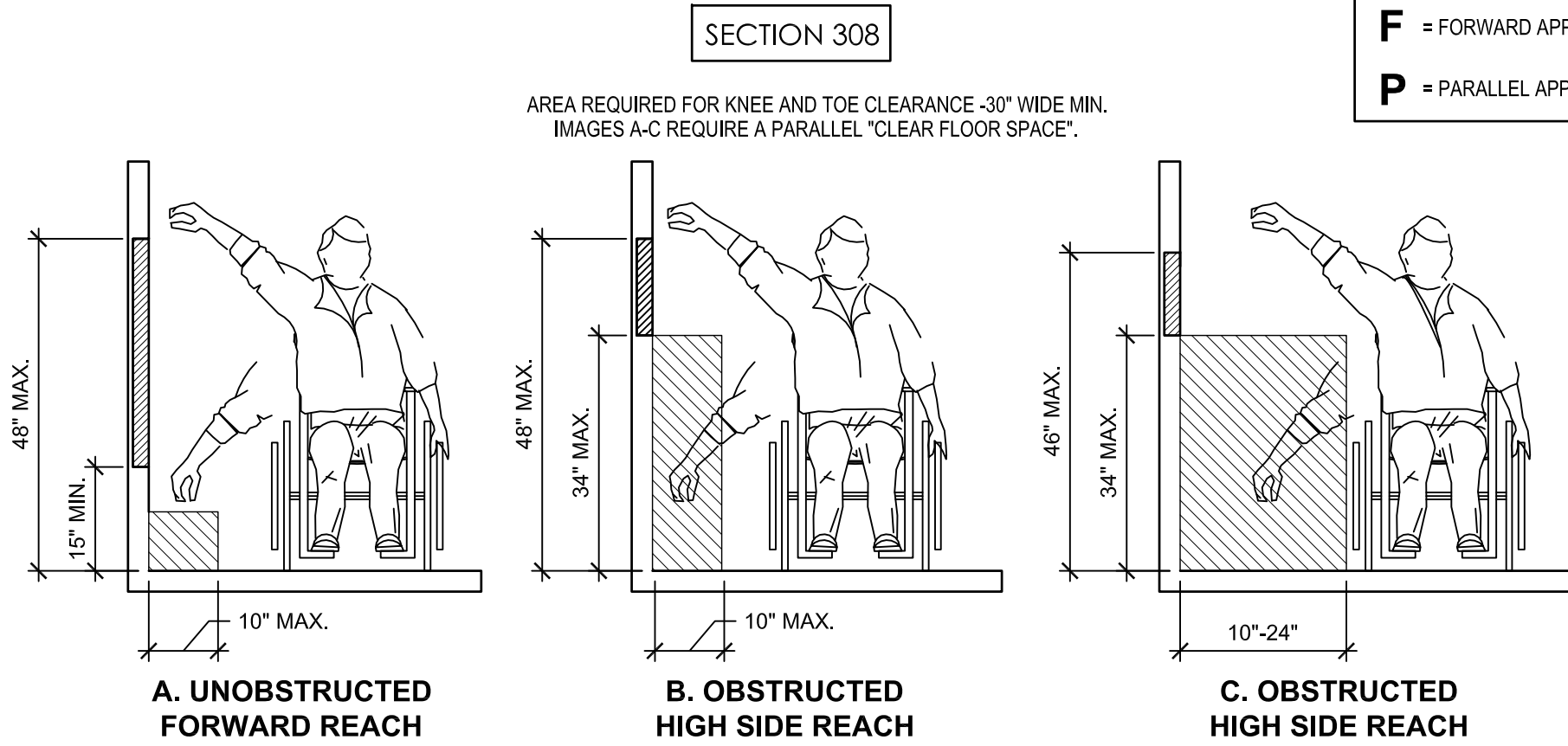
PUBLIC DRINKING FOUNTAIN

SCALE: 1/2" = 1'-0"



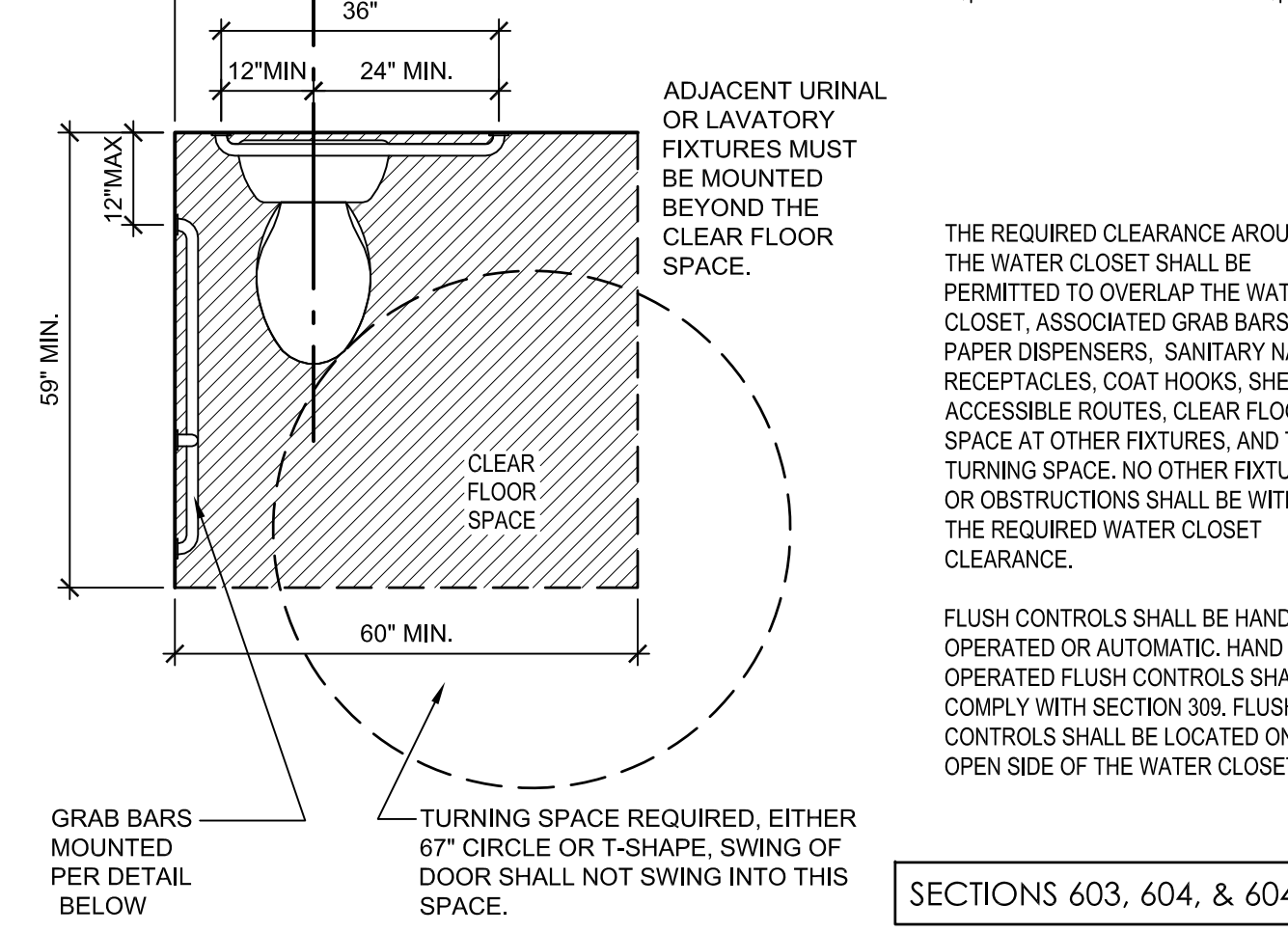
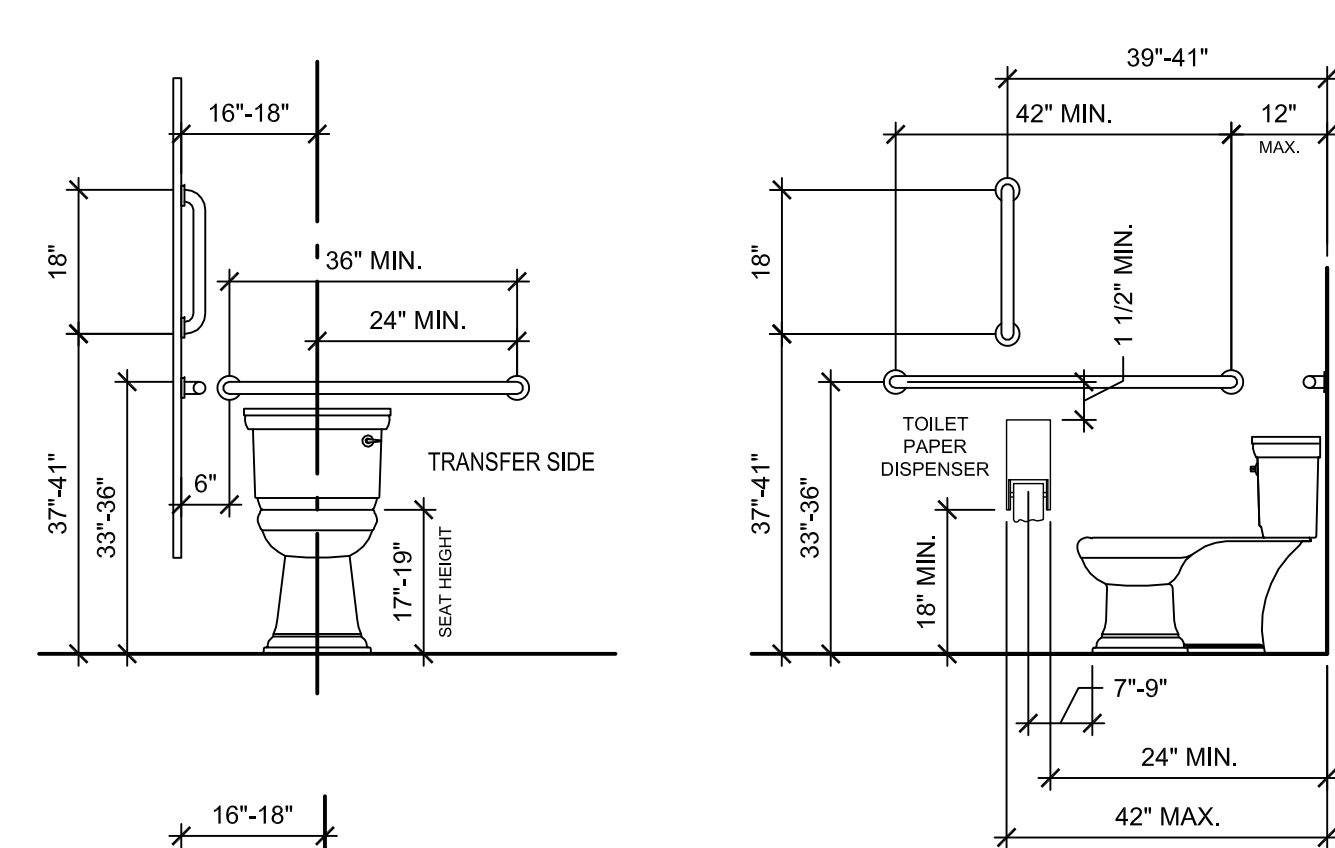
KITCHENETTE CLEARANCES

SCALE: 1/2" = 1'-0"



REACH RANGES FOR SIDE REACH

SCALE: 1/2" = 1'-0"

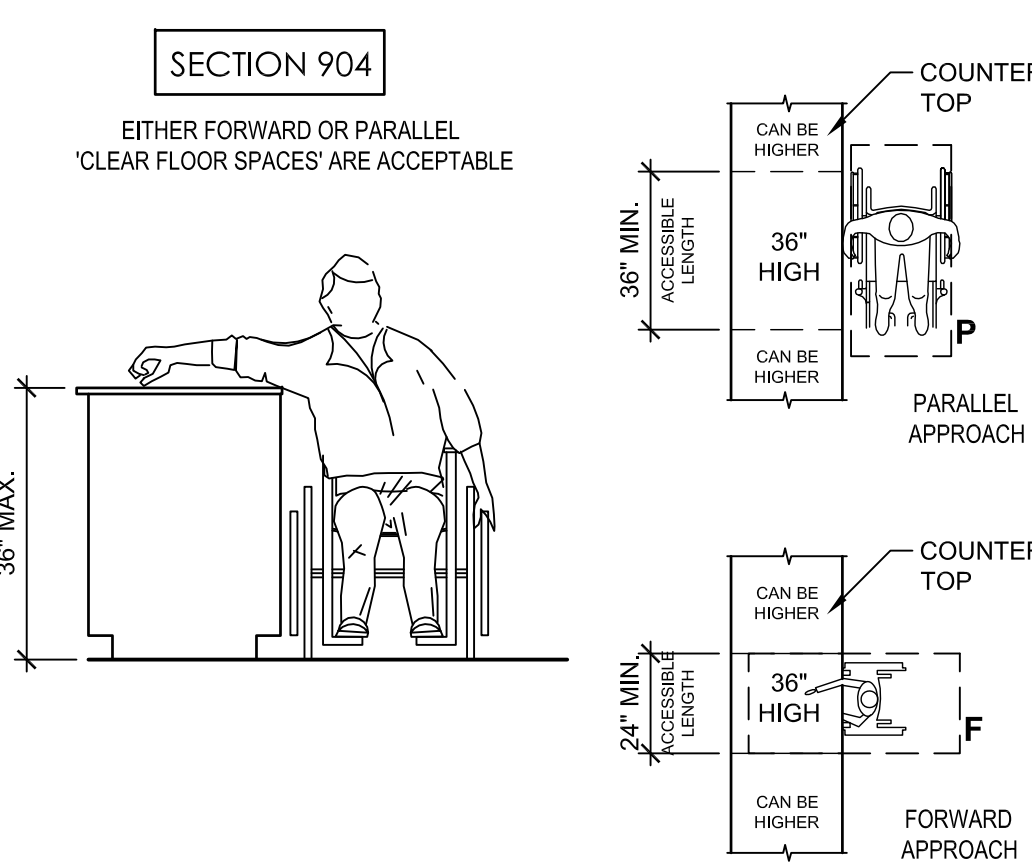


ACCESSIBLE WATER CLOSET

SCALE: 1/2" = 1'-0"

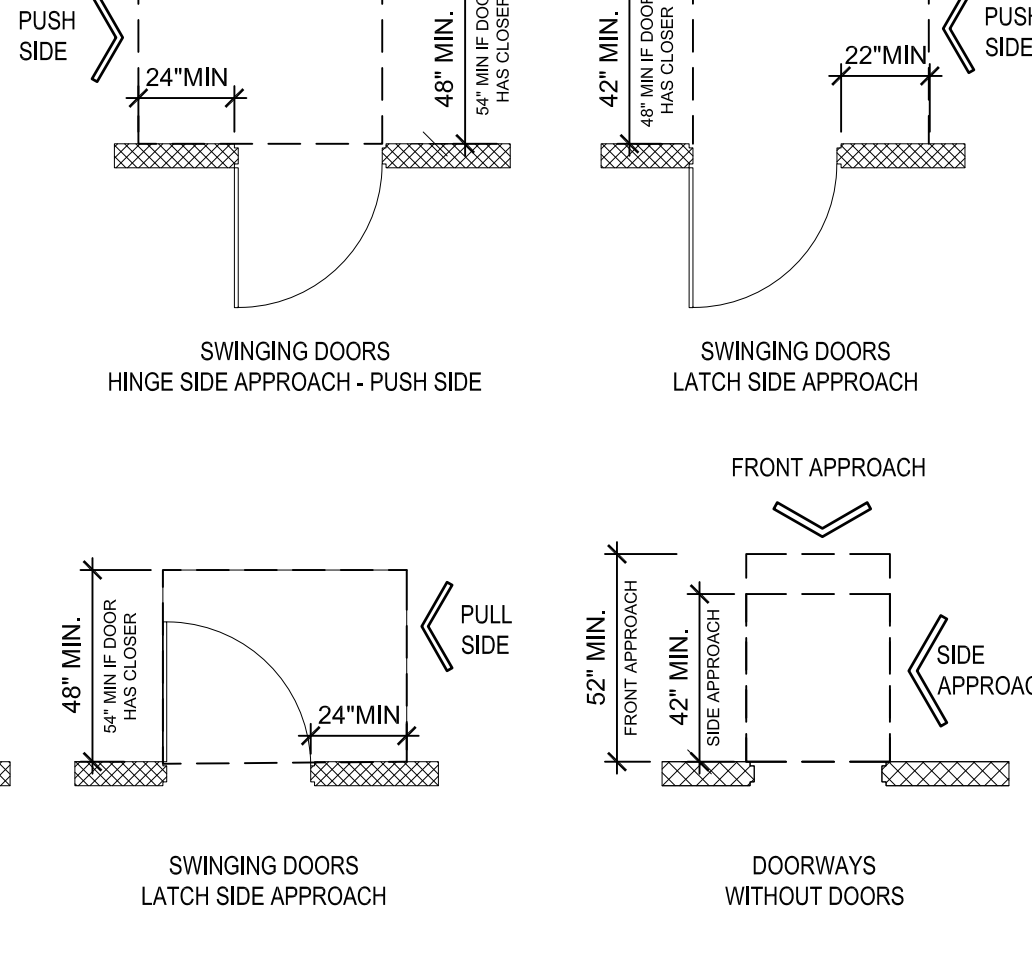
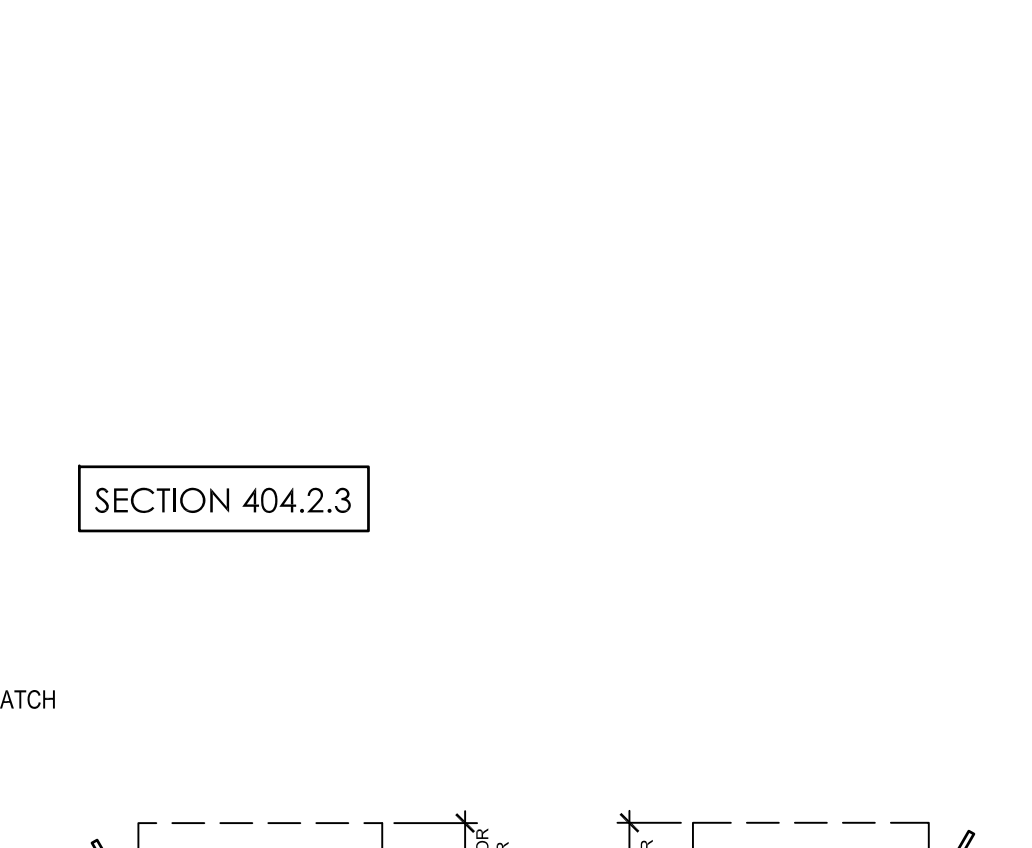
NOTES

1. SOME ITEMS MAY NOT BE USED IN THIS PROJECT.
2. USED FOR HEIGHTS ONLY
3. SEE SPECIFICATIONS FOR TYPE OF ITEM REQUIRED.
4. WHEN MULTIPLE ITEMS ARE PROVIDED, ONLY ONE ITEM PER ROOM NEEDS TO FOLLOW ACCESSIBLE MOUNTING HEIGHTS.



SERVICE COUNTER

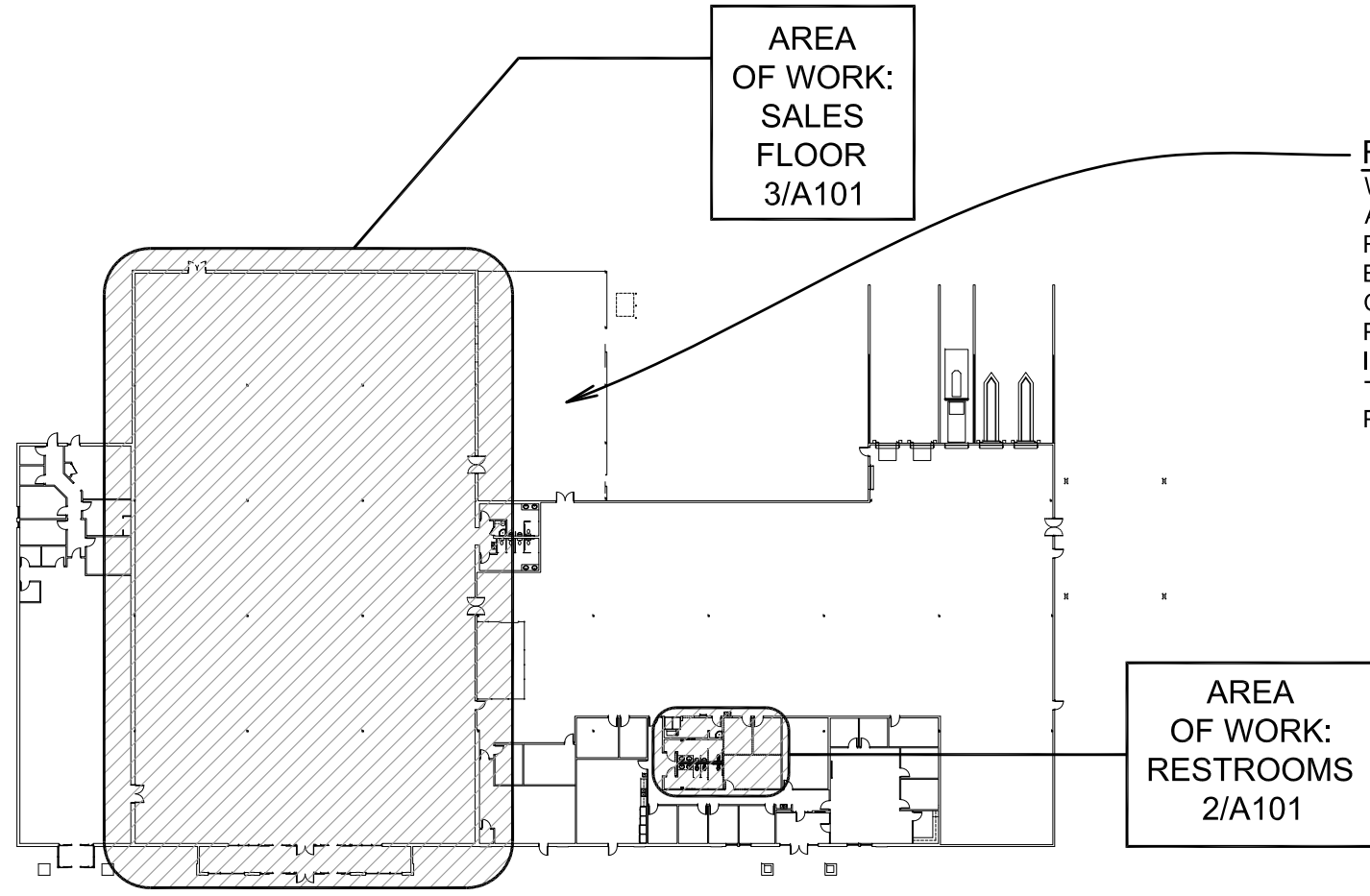
SCALE: 1/2" = 1'-0"



MANEUVERING CLEARANCES AT DOORS

SCALE: 1/2" = 1'-0"

D101

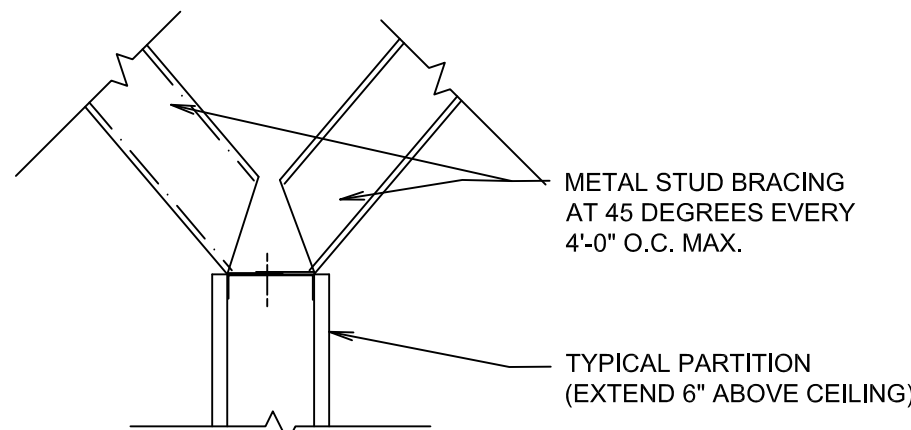


ROOFING NOTE:
WHERE TWO EXISTING SWAMP COOLERS ARE REMOVED AT THE ROOF AT THIS AREA, REMOVE EXISTING CURBS AND REPLACE EXISTING ROOF DECK OPENINGS WITH CORRUGATED STEEL DECKING TO MATCH. PATCH EXISTING ROOFING SYSTEM, INCLUDING GYPSUM FIREGUARD BOARD, TAPERED INSULATION, COVER BOARD, AND PVC MEMBRANE.

MARK	DESCRIPTION
W1	3.5" METAL STUDS AT 16" O.C. WITH 5/8" GYPSUM BOARD EACH SIDE. FULL THICK ACOUSTICAL INSULATION AT ALL VOIDS. CAULK TOP AND BOTTOM. (MATCH EXISTING WALL THICKNESS WHERE MODIFYING EXISTING WALLS).
W2	EXISTING WALL. REMOVE GYPSUM BOARD AT RESTROOM SIDE. INSTALL FULL THICK ACOUSTICAL INSULATION AT ALL VOIDS. NEW 5/8" GLASS MAT GYPSUM TILE BACKER. CAULK TOP AND BOTTOM.
W3	5.5" METAL STUDS AT 16" O.C. WITH 5/8" GYPSUM BOARD EACH SIDE. FULL THICK ACOUSTICAL INSULATION AT ALL VOIDS. CAULK TOP AND BOTTOM.
W4	7.5" METAL STUDS AT 16" O.C. WITH 5/8" GYPSUM BOARD EACH SIDE. FULL THICK ACOUSTICAL INSULATION AT ALL VOIDS. CAULK TOP AND BOTTOM. MATCH EXISTING ADJACENT PLUMBING WALL.
W5	3.5" STRUCTURAL GRADE METAL STUDS AT 16" O.C. WITH 5/8" GYPSUM BOARD EACH SIDE. TOP AND BOTTOM PLATES. EXTEND WALL 6" ABOVE CEILING SUSPENSION SYSTEM AND BRACE TOP PLATE TO OVERHEAD STRUCTURE AT 48" O.C. MAXIMUM. NEW WALL TO BE 13'-6" TALL TO TOP TRACK.
W6	FILL IN REMOVED DOOR OPENING WITH (2) ROWS 3.5" METAL STUDS AT 16" O.C. WITH 5/8" GYPSUM BOARD EACH SIDE TO MATCH EXISTING WALL THICKNESS.
W7	8" CMU WALL WITH VERTICAL #5 BARS AT 24" O.C. DOWELED INTO EXISTING CMU. #5 BARS HORIZONTAL IN BOND BEAMS AT 4'-0" O.C. AND DOWELED INTO EXISTING CMU. 3.5" STRUCTURAL GRADE METAL STUDS AT 16" O.C. WITH 5/8" GYPSUM BOARD AND FULL THICK INSULATION AT INTERIOR SIDE.

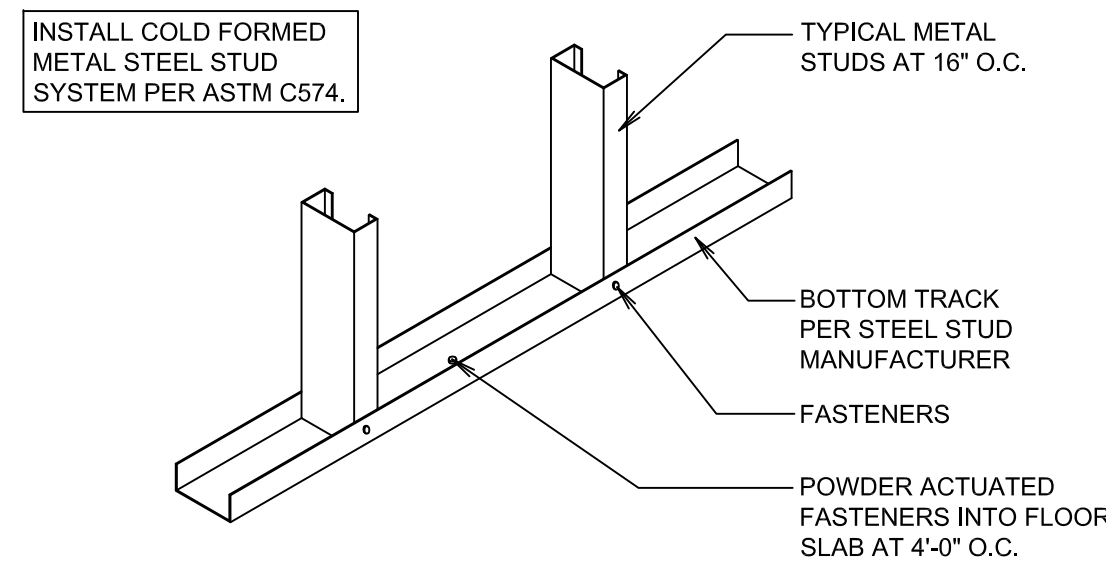
TYPICAL ALL WALLS:

- EXTEND TOP PLATE UP 6"-12" ABOVE CEILING AND BRACE TO STRUCTURE ABOVE. SEE DETAIL A/A101.
- INSTALL ACOUSTICAL INSULATION (WHERE OCCURS) IN WALL ABOVE CEILING UP TO TOP PLATE.
- INSTALL 5/8" GLASS MAT GYPSUM TILE BACKER AT NEW TILE WALLS.



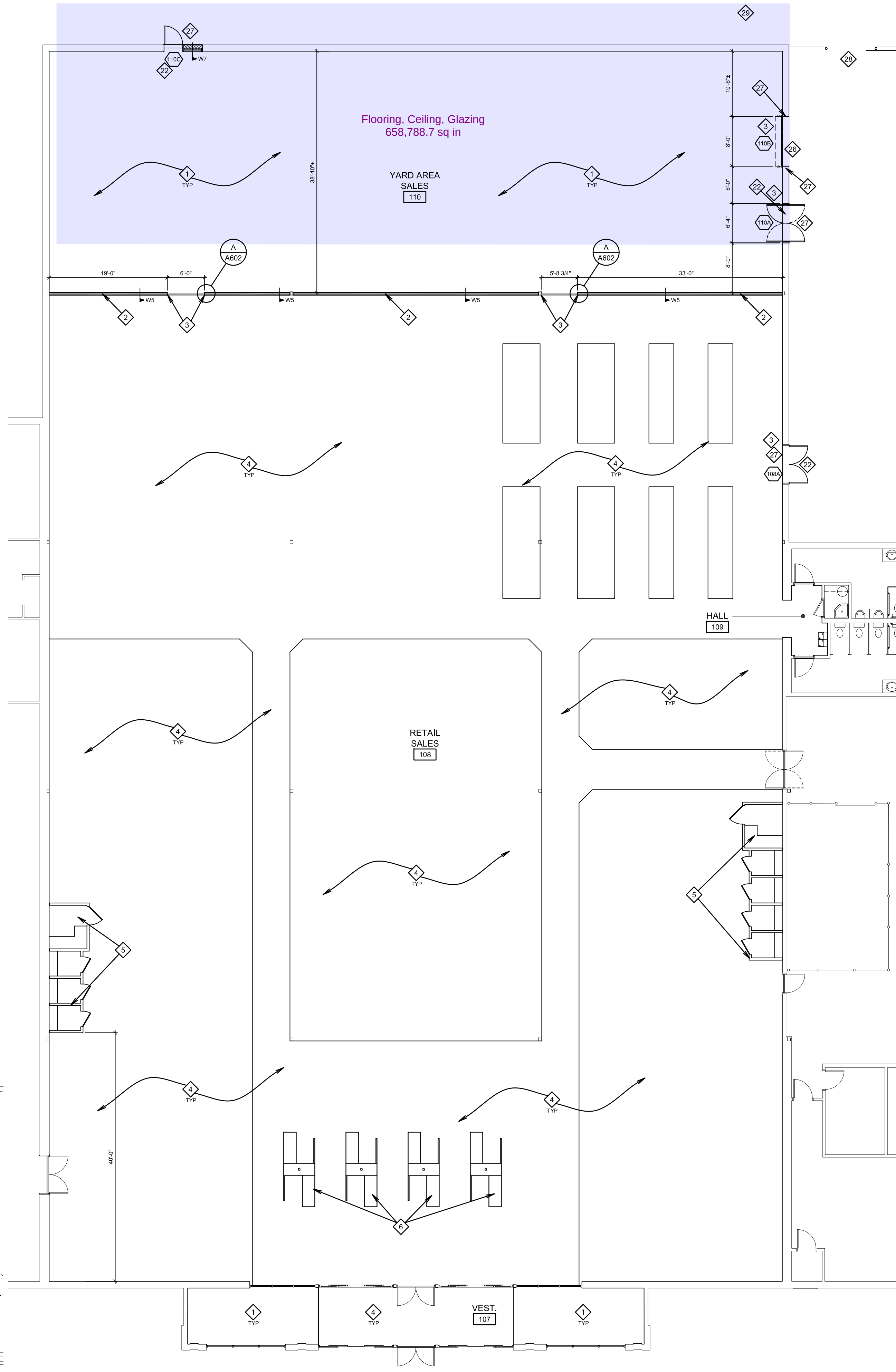
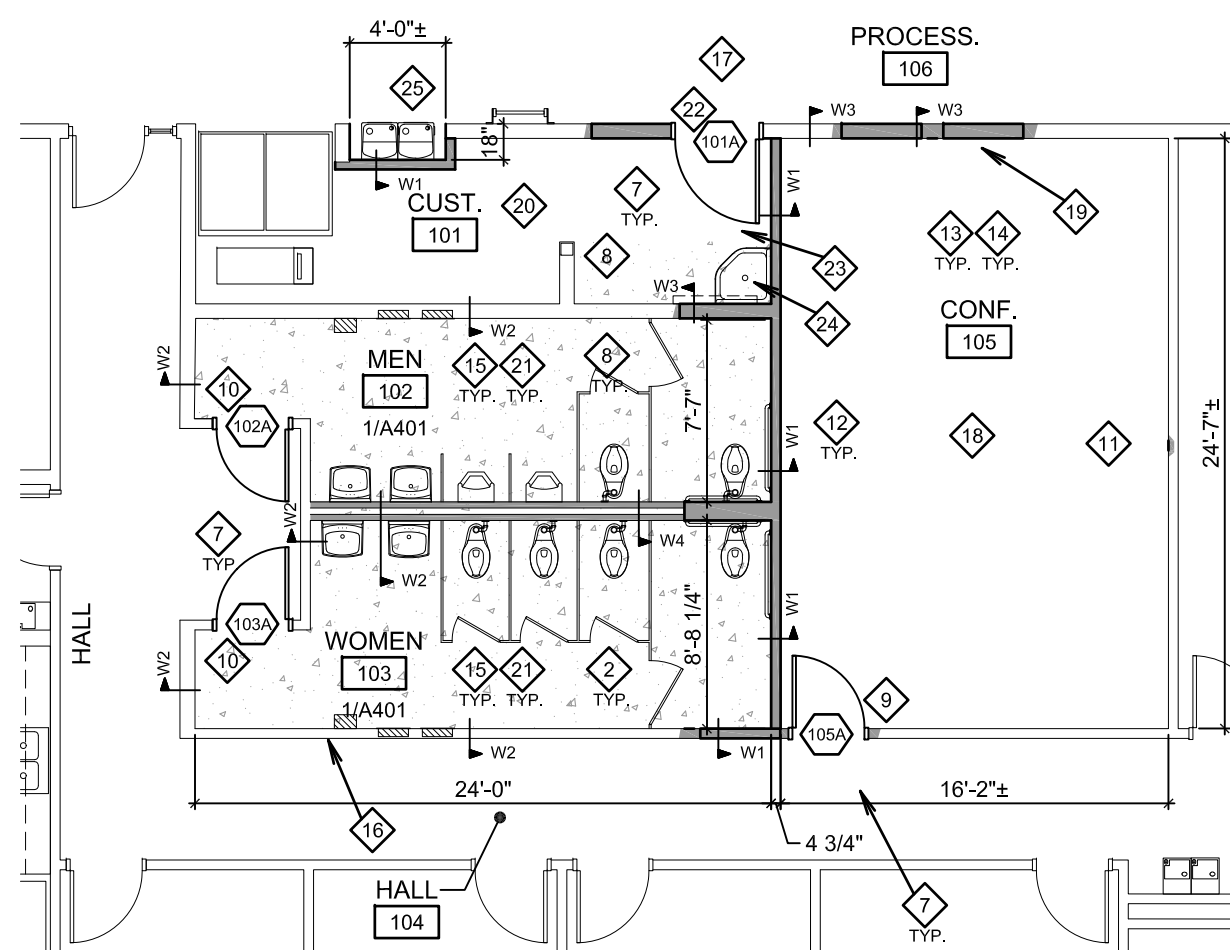
PARTITION SUPPORT DETAIL

NO SCALE



PARTITION FLOOR CONNECTION

NO SCALE



PARTIAL NEW SALES FLOOR PLAN

SCALE: 3/32" = 1'-0"

GENERAL NOTES

GENERAL NOTES:

- CONTRACTOR TO COORDINATE WITH BUILDING USERS TO MINIMIZE INTERRUPTIONS OF WORK PROCESSES AND CUSTOMER SERVICE SPACES TO PERFORM REPAIRS AND CONSTRUCTION WORK.
- DIMENSIONS SHOWN ON PLANS ARE FROM FACE OF GYPSUM BOARD OR EXISTING WALLS UNLESS NOTED OTHERWISE.
- PROVIDE SOLID BLOCKING IN THE WALLS AT ALL DOOR STOPS, VISUAL DISPLAY BOARDS, TOILET COMPARTMENTS, LAVATORY SUPPORTS, AND AT ALL OTHER EQUIPMENT AND ACCESSORY LOCATIONS. SEE A/A601.
- FOR FINISH SCHEDULE, SEE SHEET A601.
- FOR DOOR SCHEDULE, SEE SHEET A602.

WALLS:

- WHEN EXISTING WORK IS TO REMAIN: HVAC, PLUMBING, ELECTRICAL, SOUND OR OTHER WORK WHICH IS ENCOUNTERED WITH REMOVAL OF FLOORS, WALLS OR CEILINGS, SHALL BE REROUTED TO MAINTAIN CONTINUITY.
- NEW WALLS ARE SHOWN "ROCHED" AND "HATCHED" TYPICAL.

WOOD FRAMED BRICK CMU CONCRETE

- FOR WALL TYPES, SEE SCHEDULE THIS SHEET.

INTERIOR - PATCHING/FINISHES:

- PATCH AND REPAIR ALL EXISTING WORK DISTURBED BY THIS NEW WORK. WALLS, CEILINGS, FLOORS, TRIM AND OTHER WORK SHALL BE FINISHED TO MATCH EXISTING (OR NEW) FINISHES FOR SPACE.
- WHERE EXISTING WORK IS TO BE REPLACED: REMOVE AND REINSTALL EXISTING FIXTURES, DEVICES, CONVECTORS, GRILLES, LOUVERS, EQUIPMENT AND OTHER EXISTING WORK TO EXISTING LOCATION TO ACCOMMODATE NEW WORK.
- WALLS TO HAVE PAINT ARE TO BE FINISHED TO SMOOTH SURFACE (LEVEL) PRIOR TO APPLICATION OF TEXTURING AND WALL COVERING INSTALLATIONS.

CAULKING:

- CAULK ALL NEW AND EXISTING DOOR, WINDOW AND STOREFRONT FRAMES ENTIRE PERIMETER AT INTERIOR AT ALL AREAS OF THIS NEW WORK. REMOVE EXISTING CAULK AND INSTALL NEW CAULK PRIOR TO PAINTING AND FINISH WORK.

INSULATION:

- EXISTING OFFICES HAVE ACOUSTICAL BATT INSULATION ON TOP OF LAY-IN ACOUSTICAL TILE. INSULATION SHALL BE SALVAGED AND REINSTALLED OR MAINTAINED IN PLACE DURING CEILING REPLACEMENT.
- CONTRACTOR SHALL VERIFY THAT OFFICES, CONFERENCE ROOMS IN AREAS OF THIS WORK HAVE FULL THICK ACOUSTIC INSULATION AT ALL VOIDS. WALLS FOUND TO REQUIRE ADDITIONAL INSULATION WILL BE ADDRESSED BY CHANGE ORDER.
- AT EXISTING AREAS, REPLACE ALL DISTURBED OR REMOVED INSULATION WHICH IS OTHERWISE TO REMAIN AT WALLS AND CEILINGS TO MATCH EXISTING - FULL THICK.

FIRE PROTECTION:

- FIRE SPRINKLING: AT ALL AREAS OF NEW WORK, MODIFY EXISTING AUTOMATIC FIRE SPRINKLING SYSTEM TO PROVIDE FULL COVERAGE. SEE SPEC. 21 1313 FOR STANDARDS.
- FIRE ALARM: SEE ELECTRICAL DRAWINGS FOR FIRE ALARM MODIFICATIONS.

STRUCTURAL:

- MAINTAIN STRUCTURAL INTEGRITY OF EXISTING STRUCTURE. PROVIDE SHORING AND TEMPORARY SUPPORT AS REQUIRED.

PLUMBING, MECHANICAL AND ELECTRICAL:

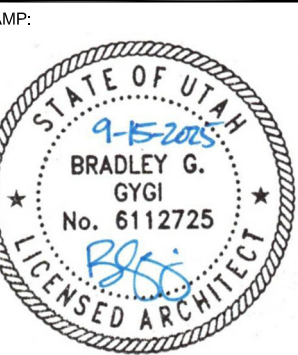
- REMOVE EXISTING FIXTURES AND DEVICES TO ACCOMMODATE OTHER TRADES DURING THIS CONSTRUCTION AND REINSTALL OR REPLACE WITH NEW AT COMPLETION OF WORK.

KEYED NOTES

- PREPARE EXISTING CONCRETE FLOOR SLAB PER SPECIFICATIONS SECTION 03 3543, INCLUDING REMOVAL OF ANY GREASE OR OIL PATCHES, REPAIR CRACKS AND SURFACE IMPERFECTIONS, CLEANING. FINISH EXISTING SLAB WITH POLISHED CONCRETE FINISHING PER SECTION 03 3543.
- NEW WALL WITH 3.5" STRUCTURAL STEEL STUDS AT 16" O.C. EXTEND 6" ABOVE EXISTING CEILING HEIGHT AND BRACING TO ROOF DECK PER DETAIL A/A101. 5/8" GYPSUM BOARD EACH SIDE WITH LIGHT ORANGE PEEL TEXTURE. INSTALL BACKING FOR NEW WALL-MOUNTED SALES SHELVING. PAINT WITH ACCENT PAINT COLOR BANDS TO MATCH EXISTING WALLS IN SALES AREA. SEE C/A101 FOR HEADER AT NEW OPENINGS. INSTALL GYPSUM BOARD CONTROL JOINTS VERTICALLY FROM EACH SIDE OF WALL OPENING UP TO TOP OF WALL / CEILING.
- 3"x3" STAINLESS STEEL CORNER GUARDS AT OPENING. SEE K/A601.
- SEE SHEETS F101 AND F301 FOR NEW FLOORING, BASE AND SALES FIXTURES AND EQUIPMENT LAYOUTS BY OWNER UNDER SEPARATE CONTRACT(S).
- NEW CHANGING ROOM PARTITIONS AND BENCHES BY OWNER.
- EXISTING CASH REGISTERS AND WRAPS. OWNER WILL REMOVE AND REINSTALL IN NEW LOCATIONS UNDER SEPARATE CONTRACT.
- PROTECT AND PATCH EXISTING WALLS AND FINISHES TO MATCH WHERE EXISTING WORK IS REMOVED OR WHERE DAMAGED OR DISTURBED BY THIS NEW WORK. ALL NEW AND EXISTING WALLS IN THE WORK AREA SHALL BE PREPARED AND PATCHED PRIOR TO PAINTING, INCLUDING PATCHING NAIL HOLES AND ARTWORK MOUNTING.
- NEW 4" CONCRETE FLOOR SLAB. POUR CONCRETE TO FILL IN EXISTING REMAINING RECESSED SLAB AREA AT ENTIRE RESTROOM. MAINTAIN EXISTING VAPOR BARRIER OR PATCH TO MATCH IF DISTURBED OR DAMAGED BY THIS NEW WORK.
- REINSTALL EXISTING SALVAGED DOOR AND HARDWARE IN NEW FRAME IN MODIFIED EXISTING WALL. SEE SHEET A601.
- NEW DOOR AND HARDWARE IN EXISTING FRAME. SEE SHEET A601.
- NEW VISUAL DISPLAY BOARD.
- REINSTALL EXISTING SALVAGED ACOUSTIC INSULATION ABOVE NEW CEILING.
- PAINT WALLS AT ENTIRE ROOM. NEW CHAIR RAIL AT ENTIRE ROOM.
- NEW CARPET AND CARPET BASE BY OWNER AT ENTIRE ROOM.
- RESINOUS FLOORING SYSTEM ON FLOOR SLAB AT ENTIRE ROOM. POUR NEW 2" TOPPING SLAB WHERE EXISTING RECESSED SETTING BED IS REMOVED. NEW WALL TILE WITH NEW GLASS MAT GYPSUM TILE BACKER AT ENTIRE ROOM. SEE A401.
- NEW 4" RUBBER BASE TO MATCH EXISTING FROM CORNER TRIM TO NEW DOOR.
- WHERE EXISTING BOLLARDS ARE REMOVED, PATCH EXISTING FLOOR SLAB AND TOUCH UP FINISH.
- NEW FLOOR BOX. SEE ELECTRICAL DRAWINGS. REMOVE AND PATCH EXISTING CONCRETE FLOOR SLAB AND MAINTAIN EXISTING VAPOR BARRIER.
- NEW TELEVISION AND WALL MOUNT (PROVIDED BY OWNER) WITH RELATED ELECTRICAL WORK. SEE ELECTRICAL DRAWINGS.
- NEW AND EXISTING CONCRETE SLAB WITH NEW POLISHED FINISH.
- NEW PLUMBING FIXTURES, TOILET PARTITIONS, RESTROOM ACCESSORIES, AND RELATED WORK. SEE SHEET A401 FOR NEW AND SALVAGE EXISTING. NEW WALL TILE AT ENTIRE ROOM.
- NEW DOOR, FRAME, AND HARDWARE IN NEW OPENING IN EXISTING WALL.
- NEW SERVICE SINK, UTILITY SHELF, AND RELOCATED CONDENSATE DRAIN FROM ABOVE. SEE ALSO PLUMBING DRAWINGS.
- RELOCATE HVAC THERMOSTATS TO MEZZANINE ABOVE AND REPLACE WITH NEW THERMOSTATS. SEE MECHANICAL ELECTRICAL DRAWINGS.
- NEW DRINKING FOUNTAINS WITH WATER BOTTLE FILLER. SEE SHEET A401 FOR WALL FINISHES. SEE ALSO PLUMBING DRAWINGS.
- NEW ROLL-UP DOOR IN NEW OPENING IN EXISTING WALL. SEE A602. BOLLARDS AT EACH SIDE IN YARD AREA 110. SEE M/A601 AND G/A602. PATCH FLOOR SLAB.
- MODIFY / PATCH EXISTING WALL FOR NEW DOOR OPENINGS OR MODIFICATIONS.
- NEW 8'-0" WIDE SLIDING GATE AND HARDWARE IN EXISTING 12'-0" TALL CHAIN LINK FENCE WITH TAN VISION SLATS. MODIFY AND REMOVE EXISTING FENCE, POSTS, AND PATCH EXISTING FLOOR SLAB AS REQUIRED.
- MODIFY EXISTING PARKING STRIPING AT THIS AREA TO PROVIDE (4) NEW 12'-0" WIDE STALLS MARKED "CUSTOMER PICKUP" AND BLACK OUT EXISTING STALLS.

**bradley gygi architect
& associates, pllc**

**bradley
gygi**



HARRISVILLE DI INTERIOR REMODEL
WELFARE DI UTAH NORTH /
NORTHWEST REGION OFFICE
435 NORTH WALL AVE.
HARRISVILLE, UT

PROJECT FOR:
**THE CHURCH OF
JESUS CHRIST
OF LATTER-DAY SAINTS**

PROJECT NUMBER:
500021624010101

DATE:
15 SEPT 2025

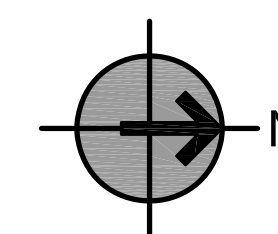
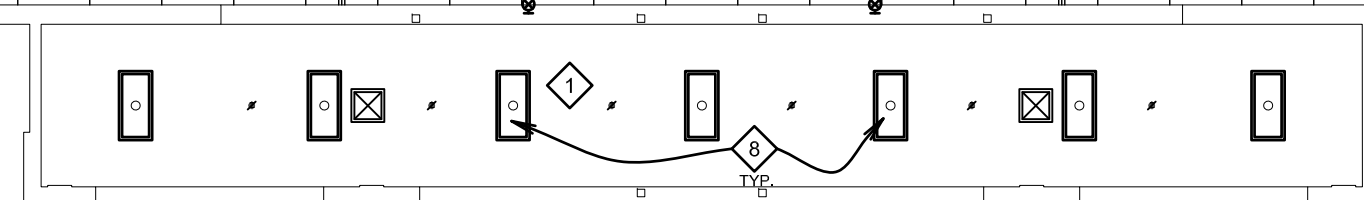
PROPERTY NUMBER:
5000216

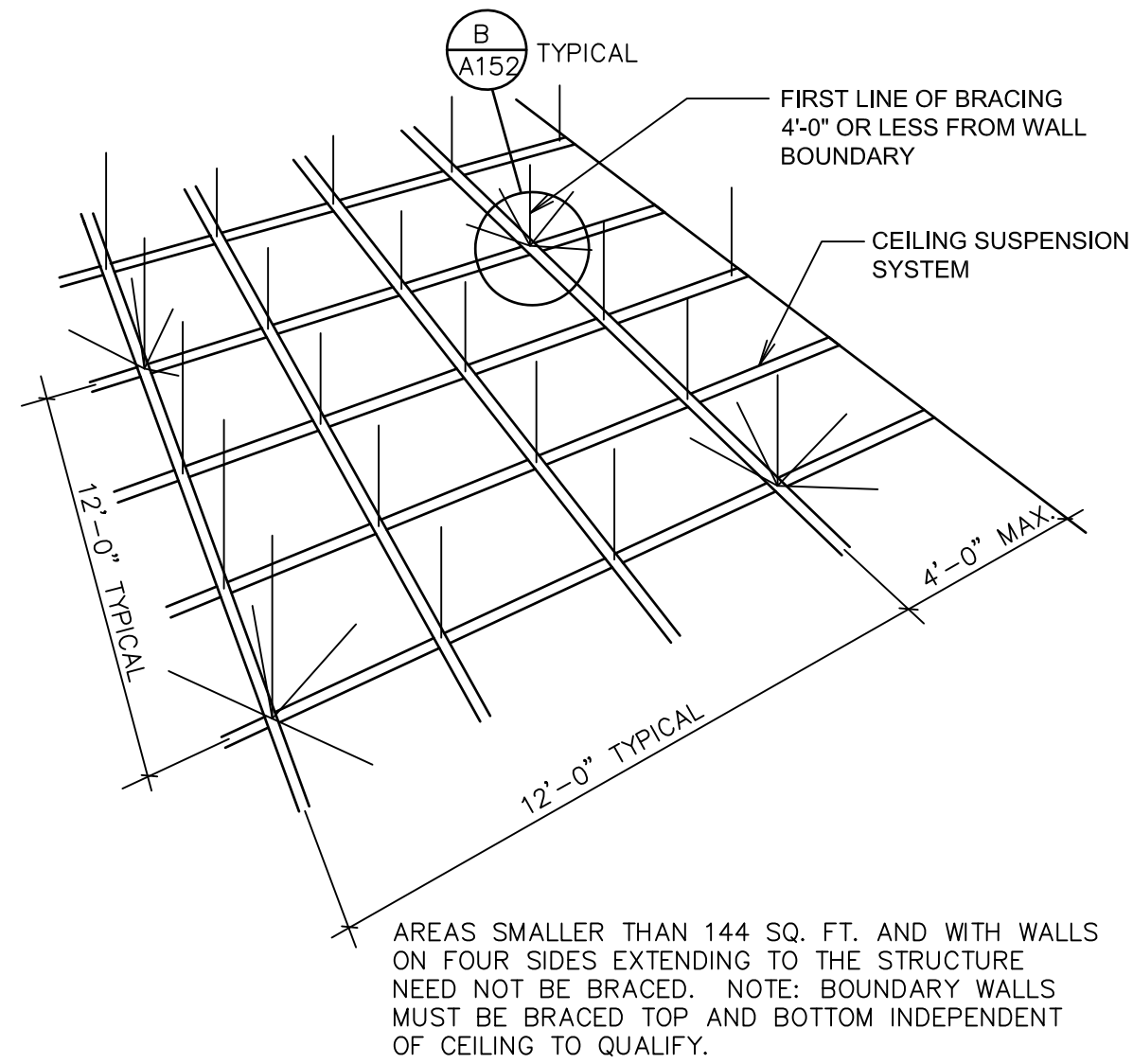
DRAWN BY:
BGG

CHECKED:
BGG

SHEET TITLE:
**NEW
FLOOR PLANS**

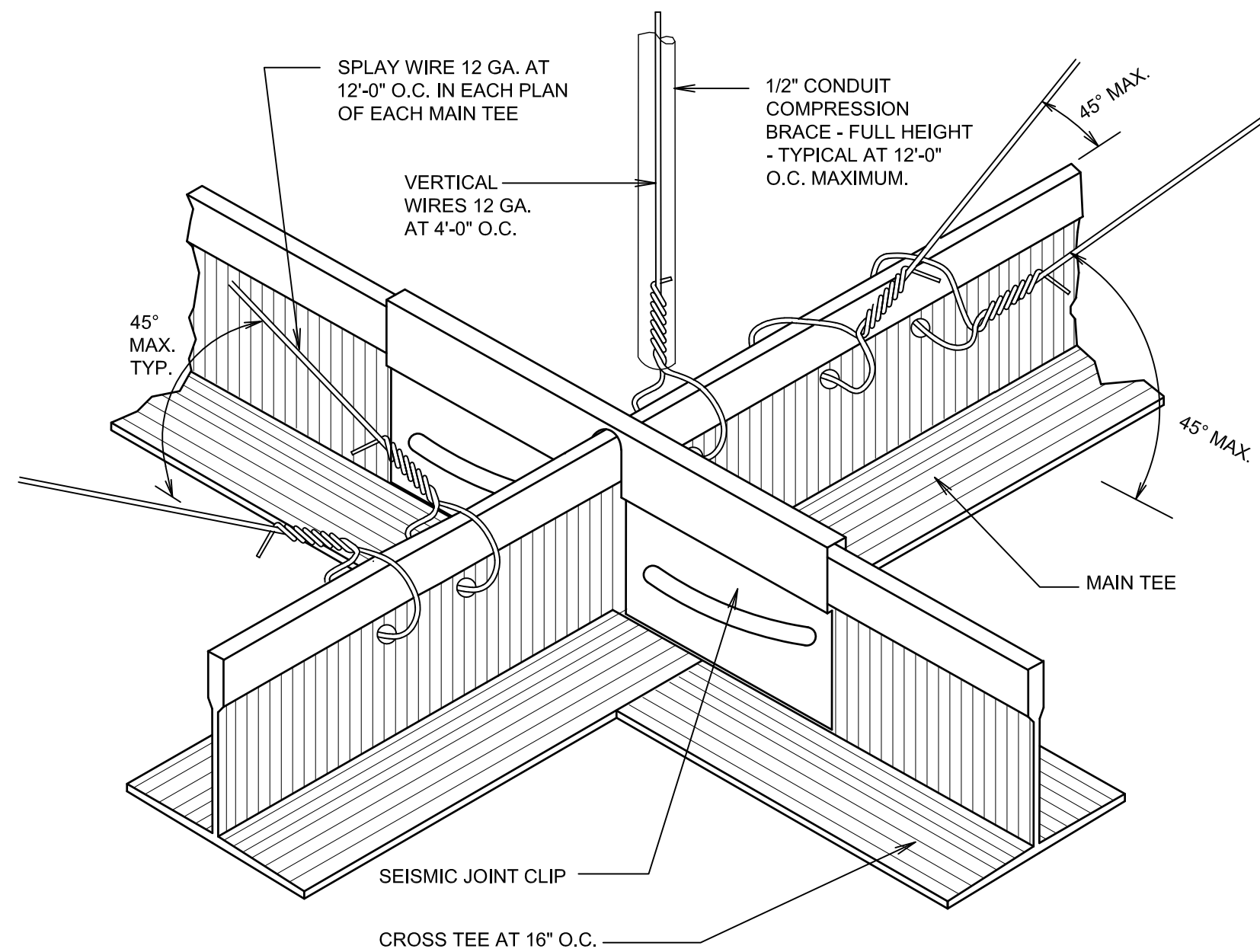
SHEET:
A101





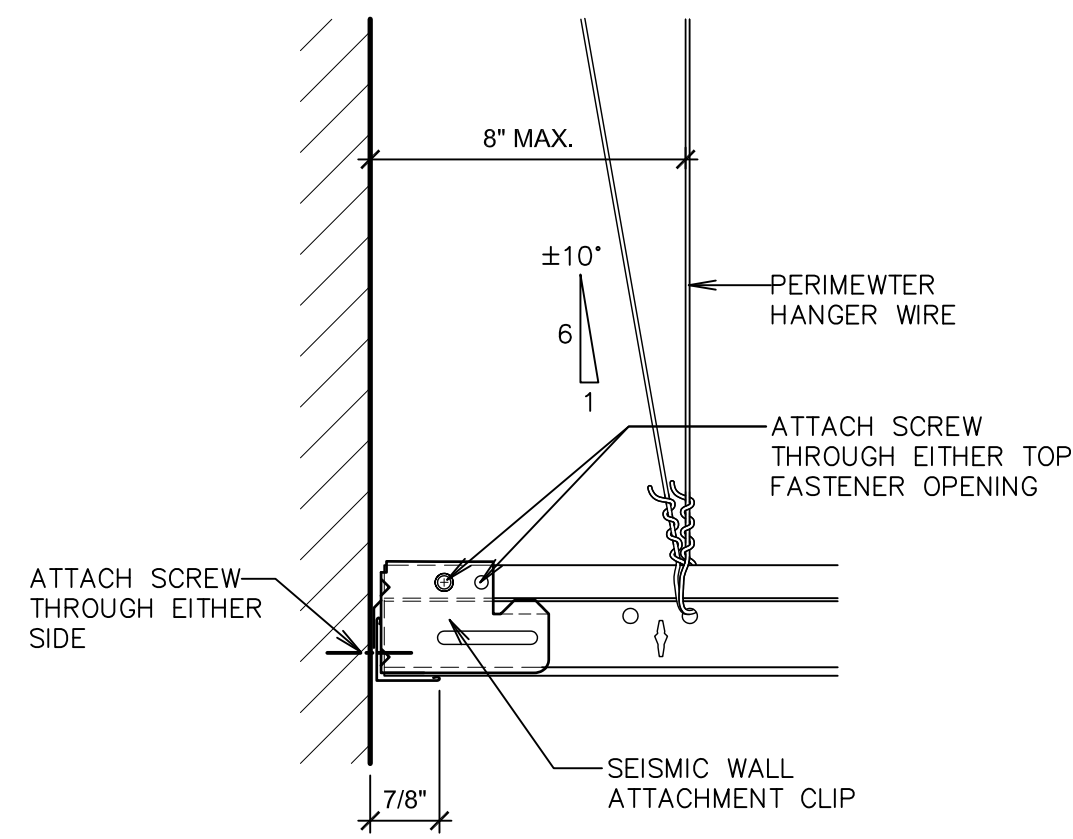
ACOUSTICAL PANEL CEILING SUSPENSION
SEISMIC BRACING DETAIL

SCALE: NONE



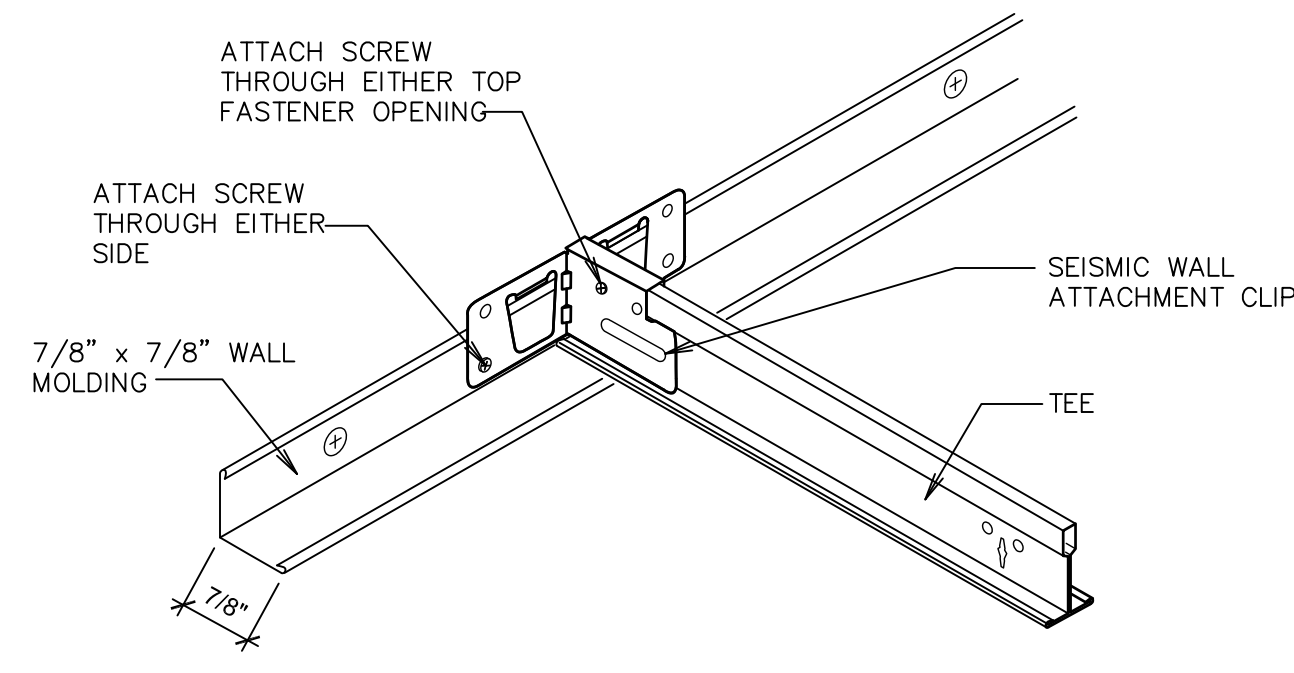
ACOUSTICAL PANEL CEILING SUSPENSION
SEISMIC BRACING DETAIL

SCALE: NONE



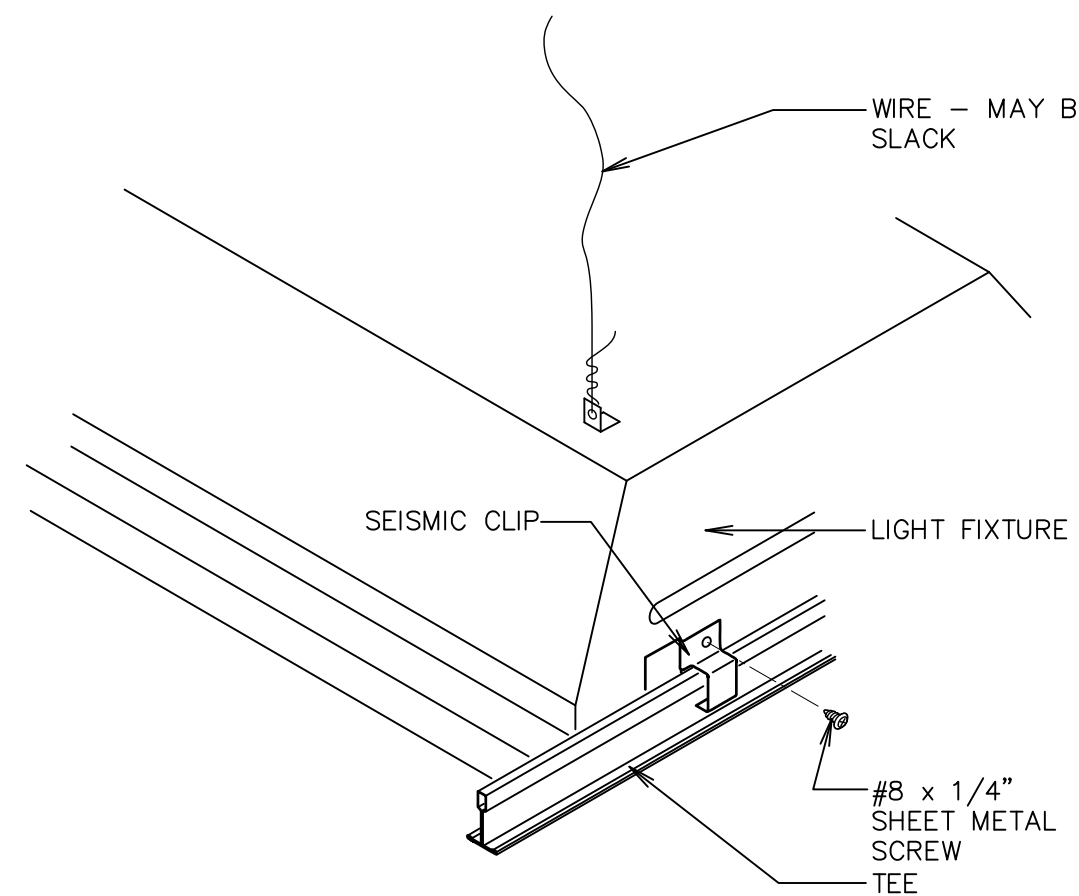
ACOUSTICAL PANEL CEILING
SEISMIC CLIP AT WALL

SCALE: NONE



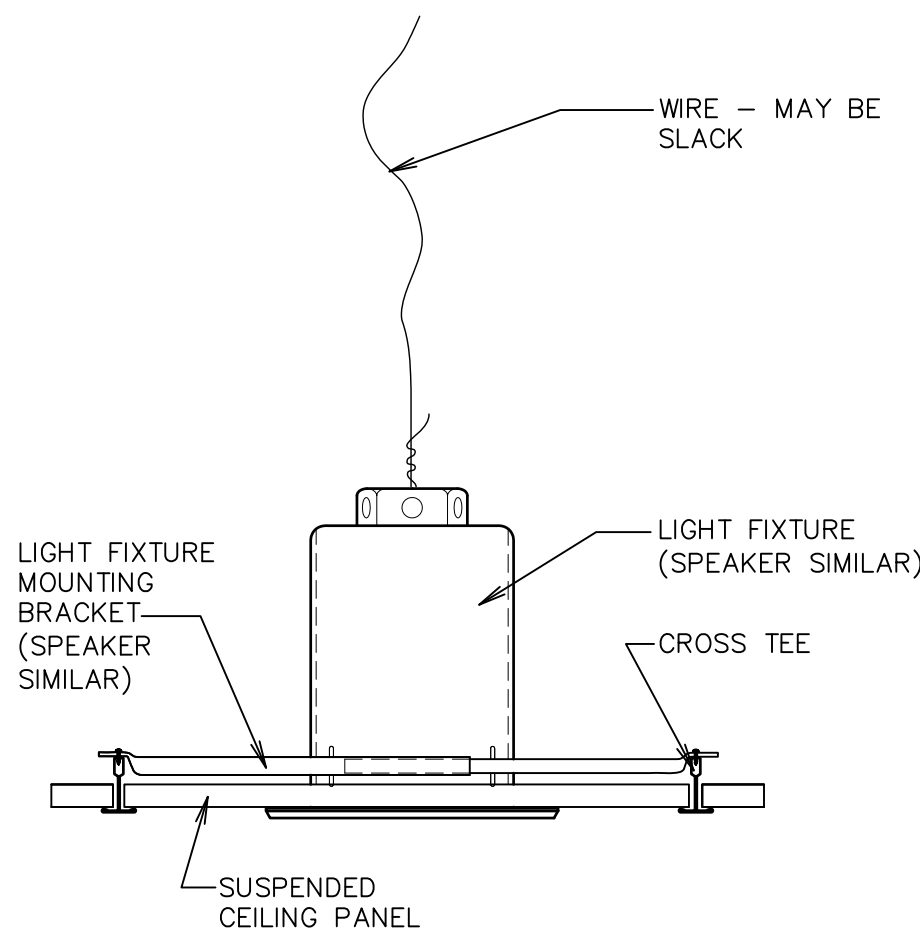
ACOUSTICAL PANEL CEILING
SEISMIC CLIP AT WALL

SCALE: NONE



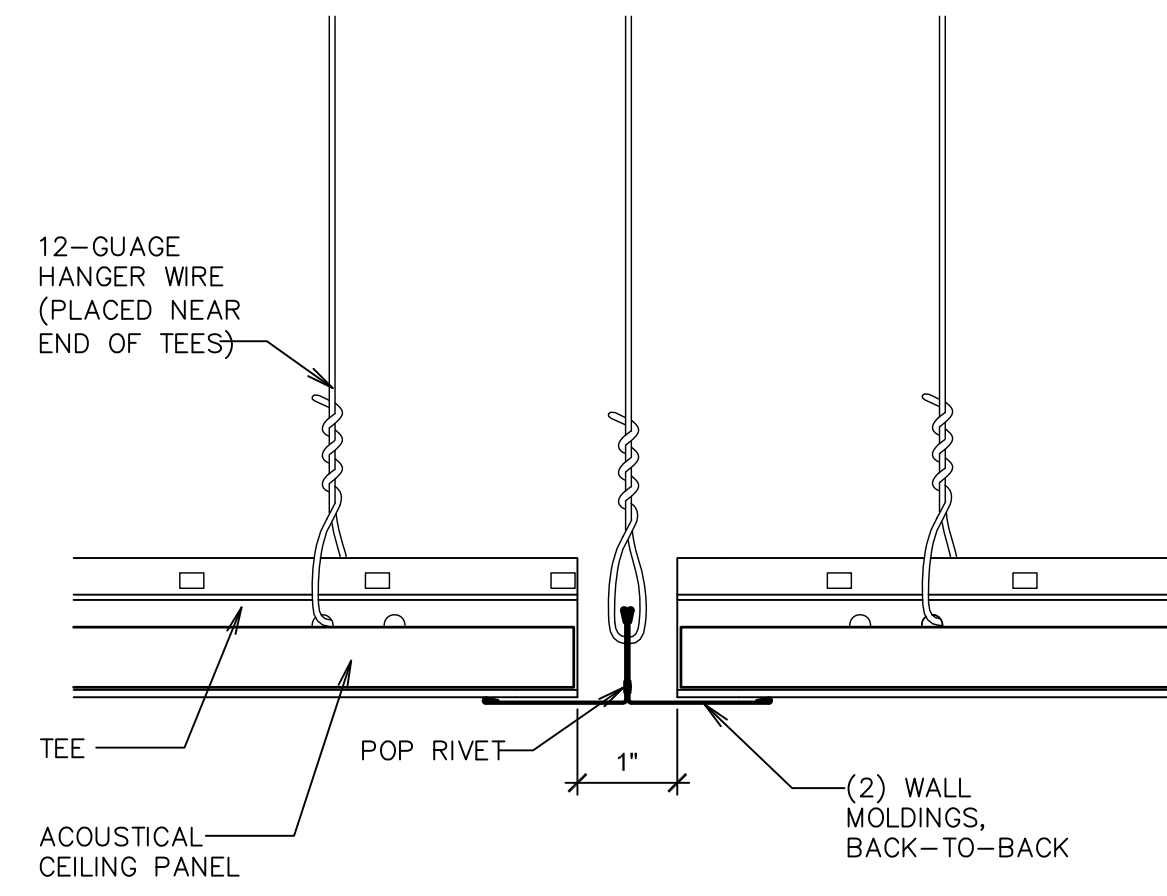
ACOUSTICAL PANEL CEILING
RECESSED LIGHT FIXTURE

SCALE: NONE



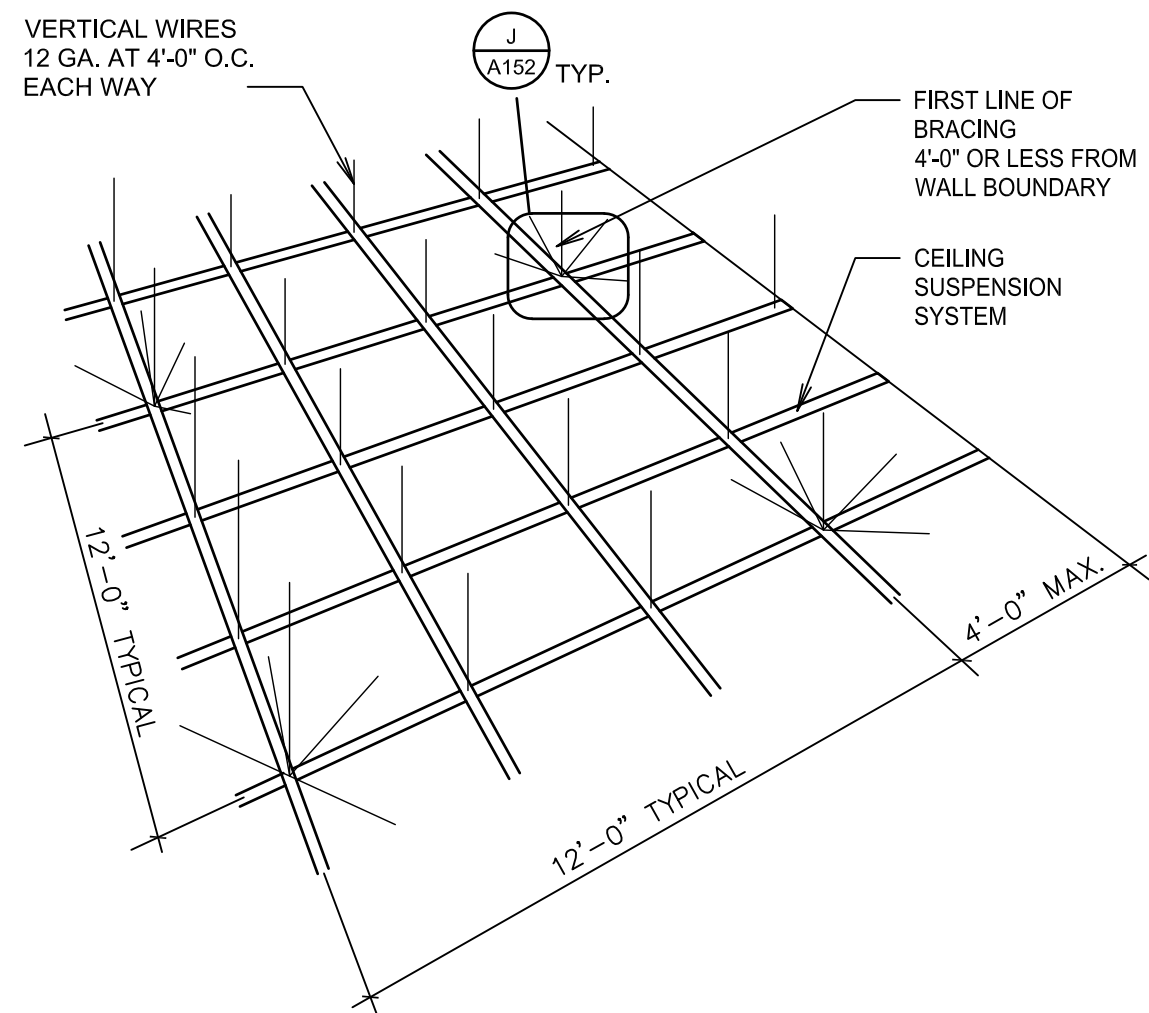
ACOUSTICAL PANEL CEILING
RECESSED LIGHT FIXTURE / SPEAKER

SCALE: NONE



ACOUSTICAL PANEL CEILING
EXPANSION JOINT

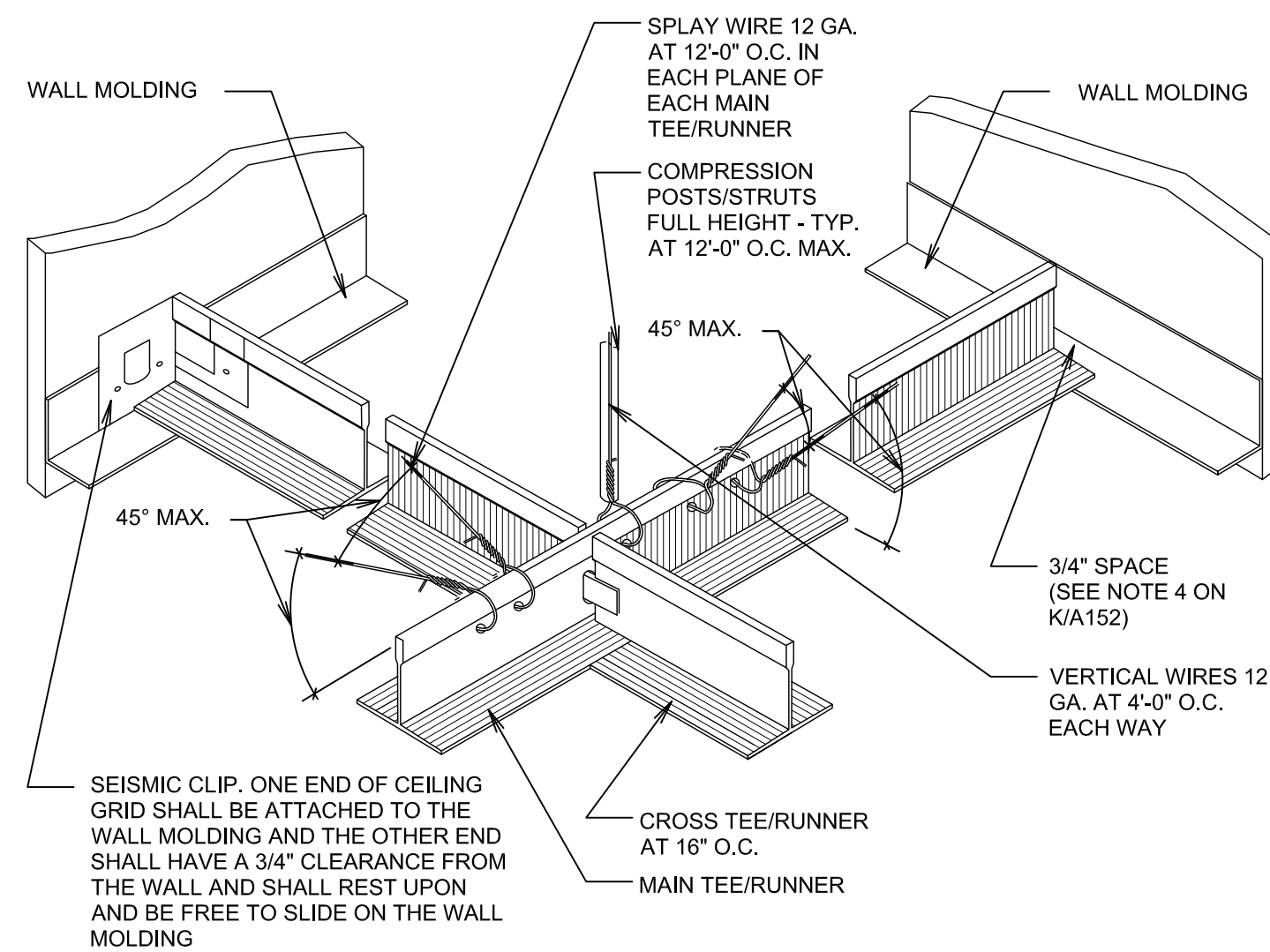
SCALE: NONE



GYPSUM BOARD CEILING
SUSPENSION SYSTEM DETAIL

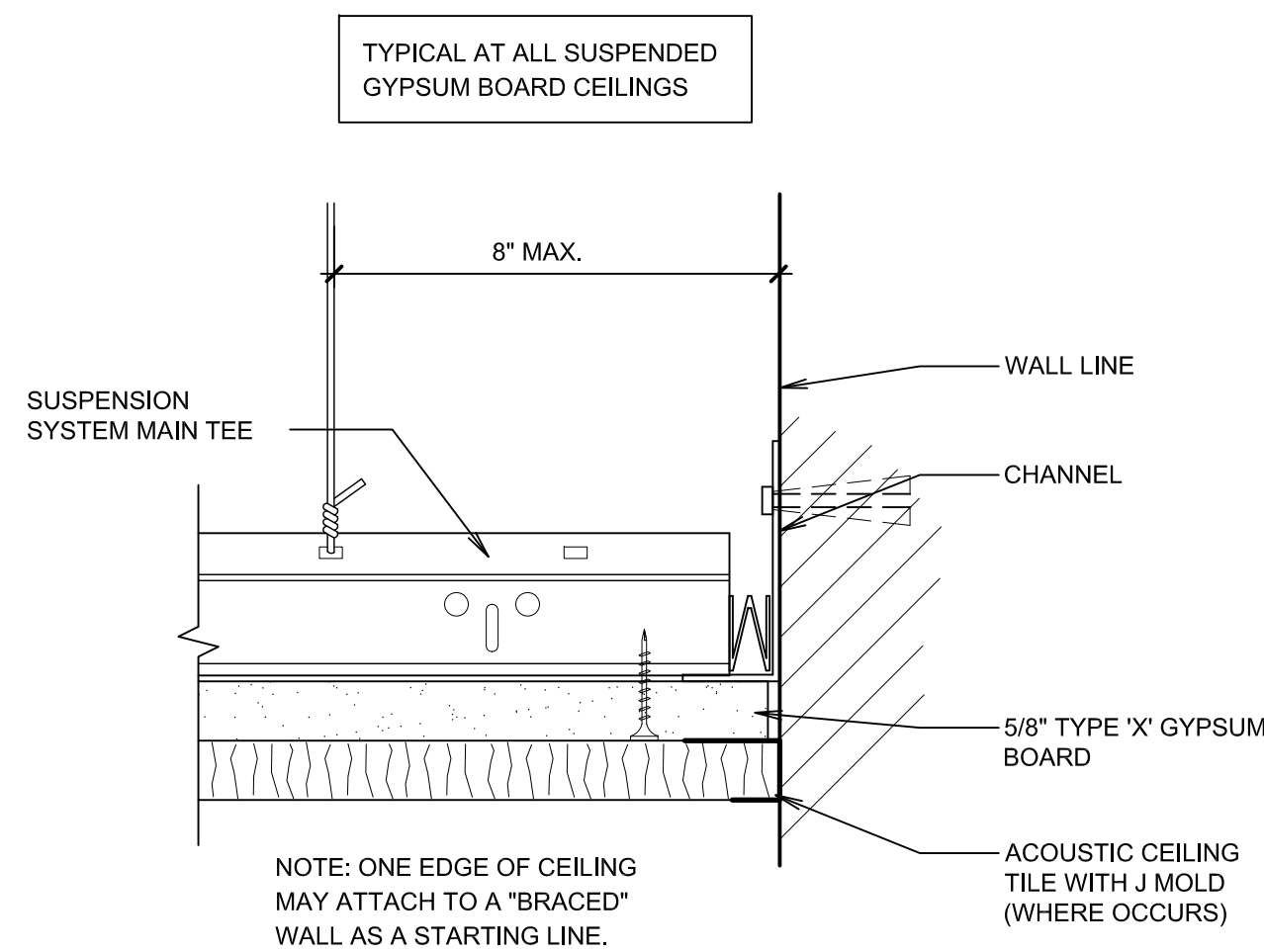
SCALE: N.T.S.

- NOTES:
1. SPLAY WIRE BRACING AND COMPRESSION POSTS/STRUTS ARE ONLY REQUIRED IN SEISMIC DESIGN CATEGORIES D, E, F.
 2. AREAS SMALLER THAN 1000 SQ. FT. AND WITH WALLS ON FOUR SIDES EXTENDING TO THE STRUCTURE NEED NOT HAVE SPLAY WIRE REINFORCING. BOUNDARY WALLS MUST BE BRACED TOP AND BOTTOM INDEPENDENT OF CEILING TO QUALIFY.
 3. SEISMIC CLIP IS REQUIRED IN SEISMIC DESIGN CATEGORIES D, E AND F.
 4. THE 2" HORIZONTAL LEG ON WALL MOLDING IS REQUIRED ONLY IN SEISMIC DESIGN CATEGORIES D, E AND F. WITH ICC-ES EVALUATION REPORT, A 7/8" LEG WOULD BE ACCEPTABLE WITH PROPER SEISMIC CLIP.



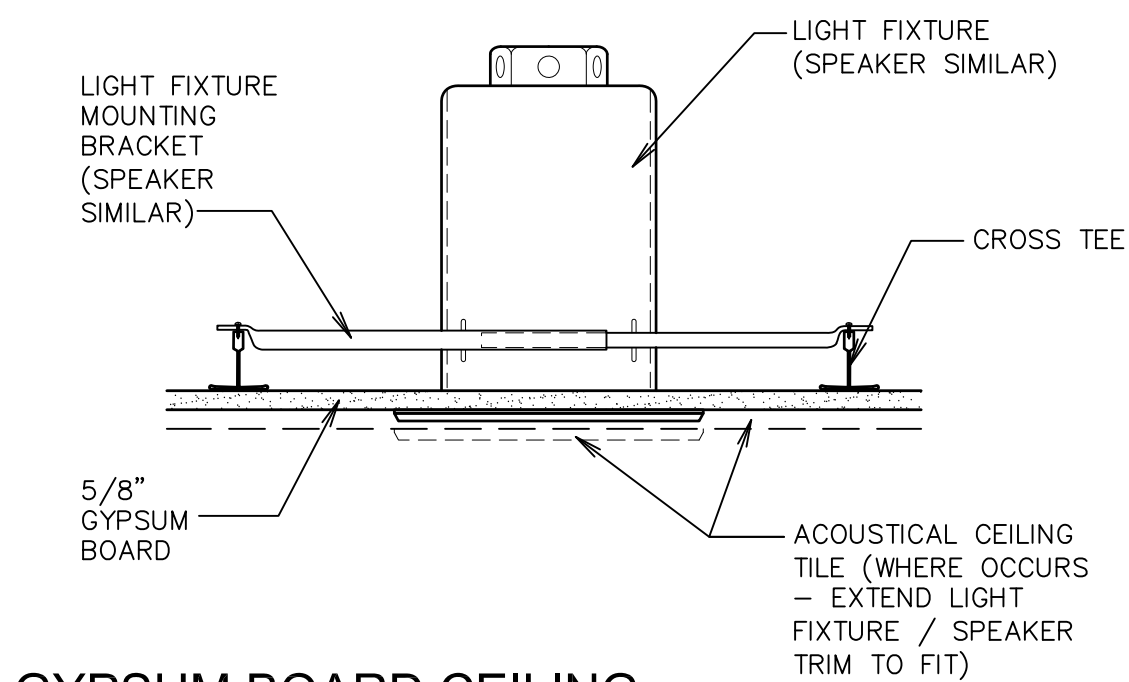
GYPSUM BOARD CEILING
SEISMIC BRACING DETAIL

SCALE: N.T.S.



GYPSUM BOARD CEILING
PERIMETER WALL ANGLE DETAIL

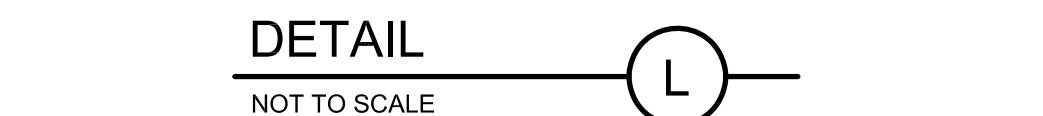
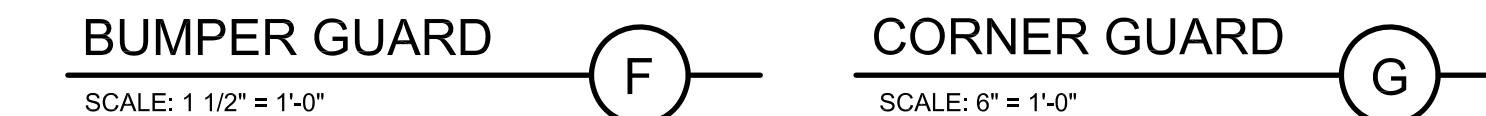
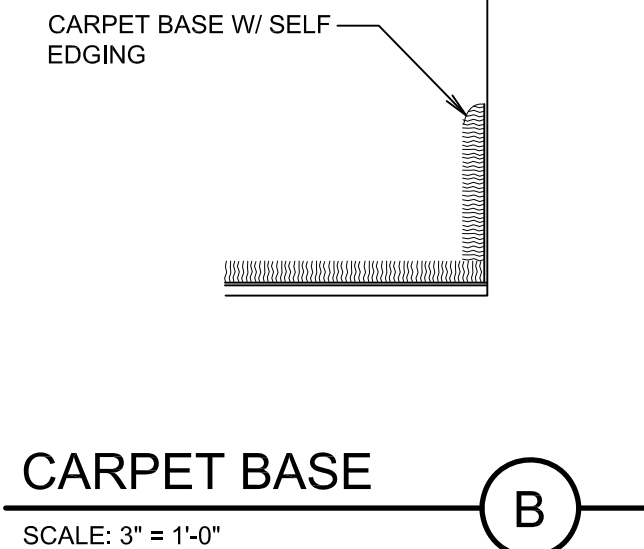
NO SCALE



GYPSUM BOARD CEILING
RECESSED LIGHT FIXTURE / SPEAKER

NO SCALE

A401



PLAN

WALL (TYPICAL)

4" PIPE BOLLARD FILLED WITH CONCRETE - LOCATE FLUSH WITH DOOR OPENING. CORE DRILL AND PATCH EXISTING CONCRETE SLAB AND OTHER WORK WHERE OCCURS.

6"

SECTION

3'-6"

3'-0"

MOUND TOP WITH CONCRETE

4" DIA. STD PIPE FILLED WITH CONCRETE

NOTE: 6" DIA. STD PIPE FILLED WITH CONCRETE AT EXTERIOR LOCATIONS

NOTE: ALL PIPE BOLLARDS TO BE 4" DIA. STD PIPE UNLESS NOTED OTHERWISE, SEE SHEET A1.1

6" CONCRETE COVER MIN.

1/4"x5"x5" PLATE SHOP WELDED TO BOTTOM OF PIPE

BOLLARD

SCALE: 1" = 1'-0"

M

1. AT AREAS ADJACENT TO NEW WORK, WHERE NOT SHOWN TO BE REPLACED WITH NEW, REMOVE AND REINSTALL ALL EXISTING SIGNS, VISUAL DISPLAY BOARDS, ELECTRICAL COVER PLATES, HVAC GRILLES, HANDRAILS, ETC. TO ACCOMMODATE NEW PAINTING WORK. TYPICAL AT ALL AREAS OF NEW WORK.
2. PROTECT EXISTING FINISHES WHICH ARE TO REMAIN THROUGHOUT THE CONSTRUCTION PERIOD, INCLUDING CEILING TILE, HARDWOOD FLOORS, CASEWORK, WOOD TRIM AND OTHER WORK.

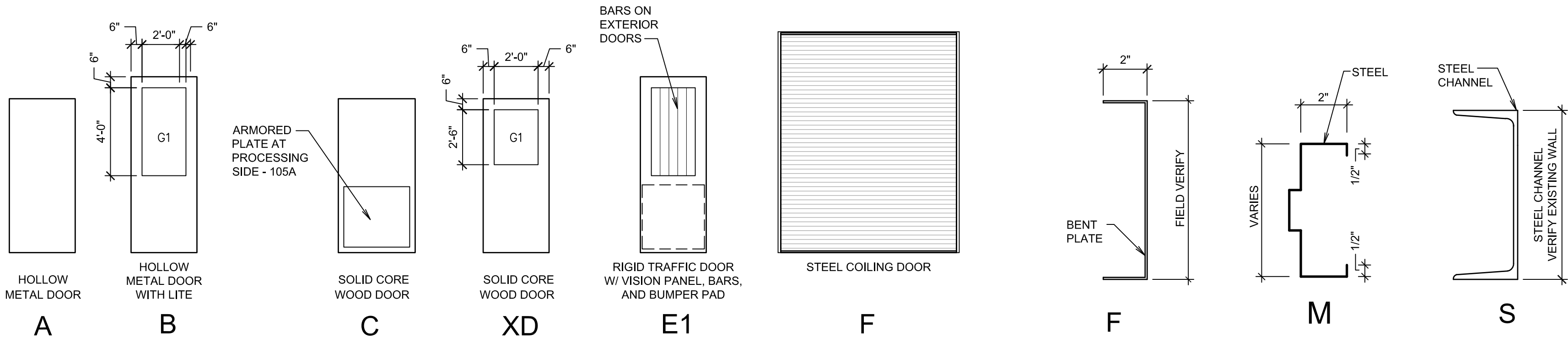


THE CHURCH OF
JESUS CHRIST
OF LATTER-DAY SAINTS

OWN BY:	CHECKED:
BGG	BGG

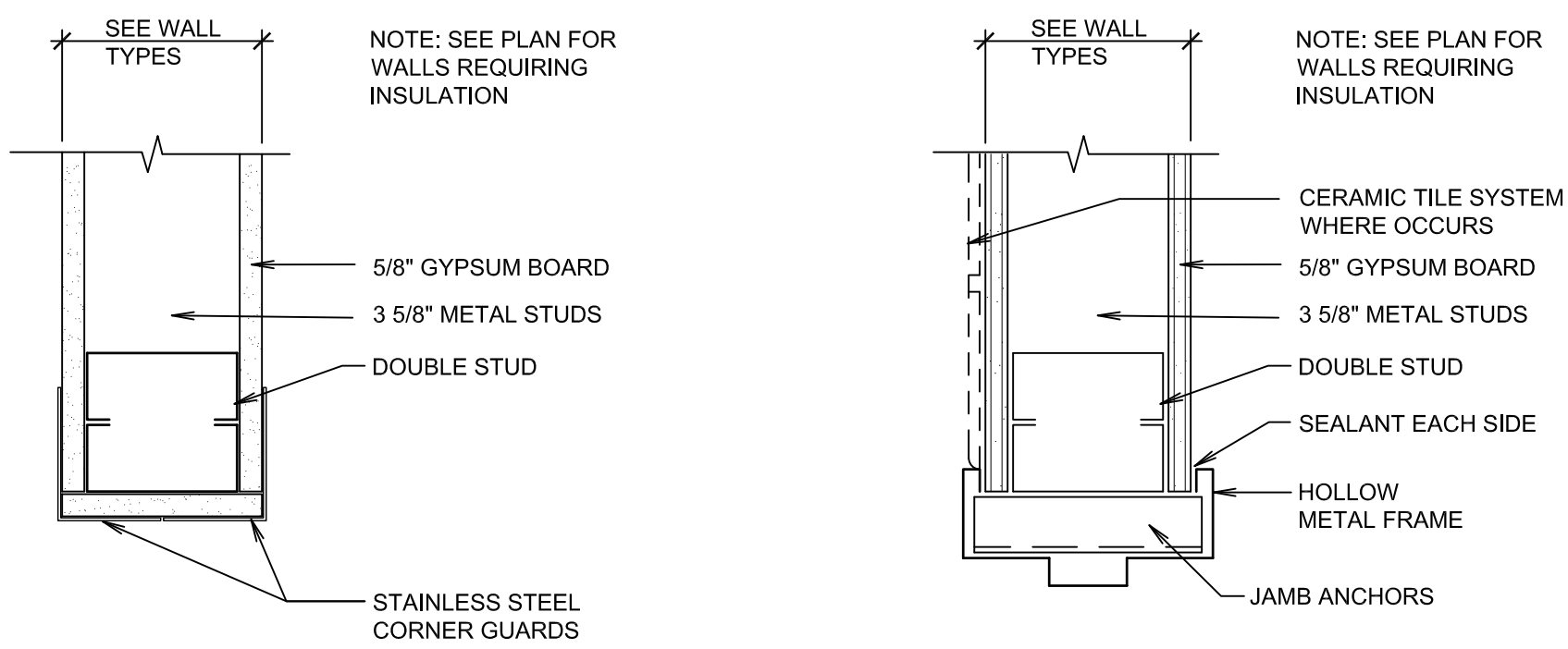
T:

A601



DOOR TYPES

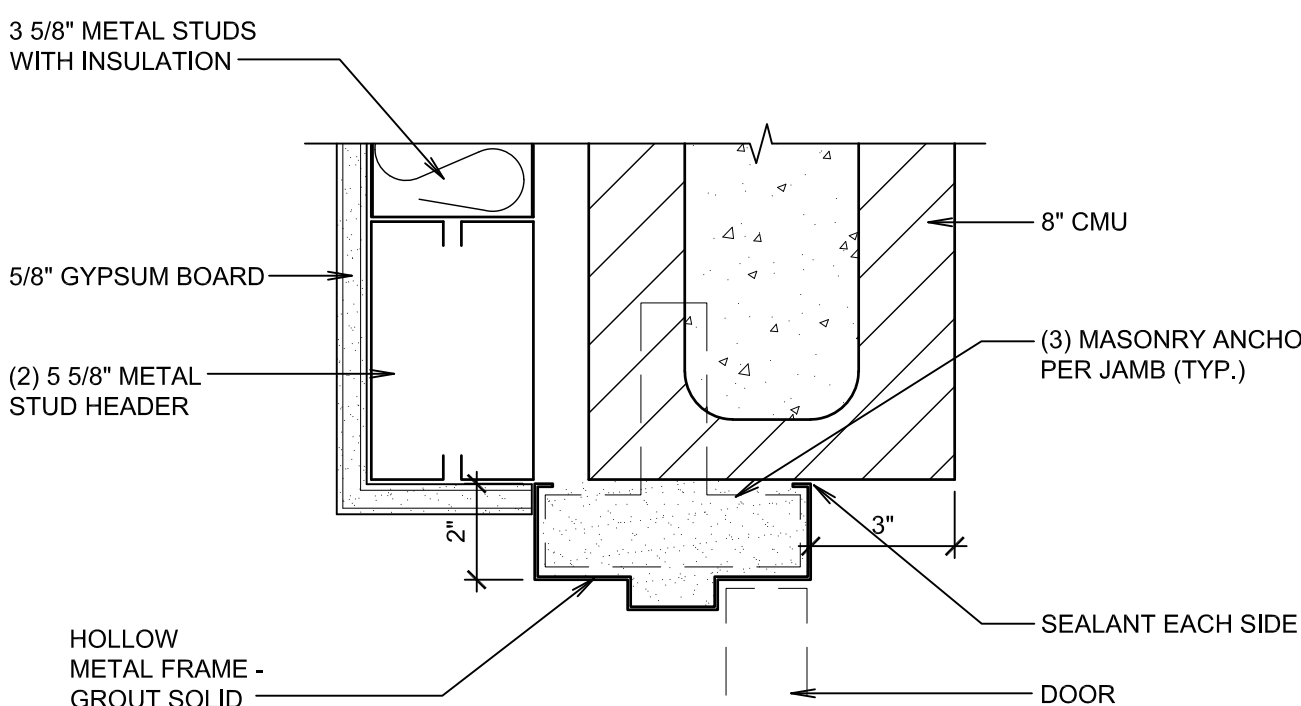
FRAME PROFILES



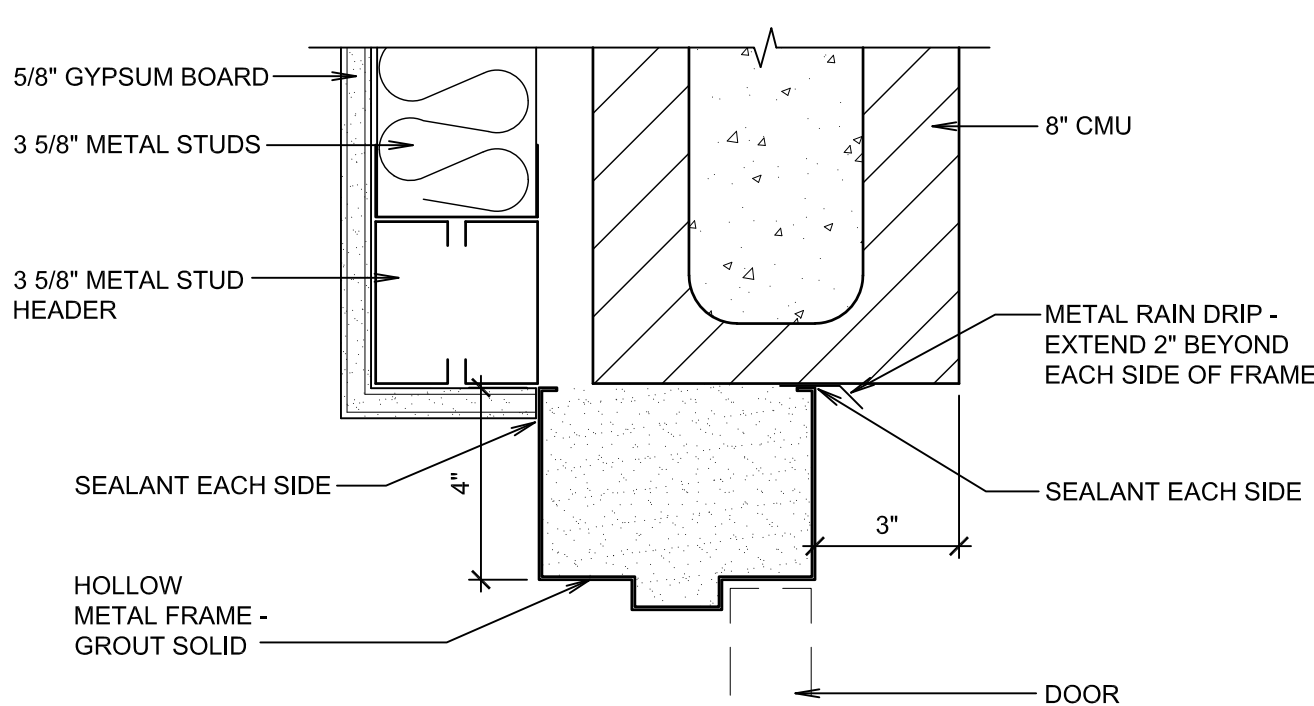
TYPICAL HEAD / JAMB SIM.

TYPICAL HEAD / JAMB SIM.

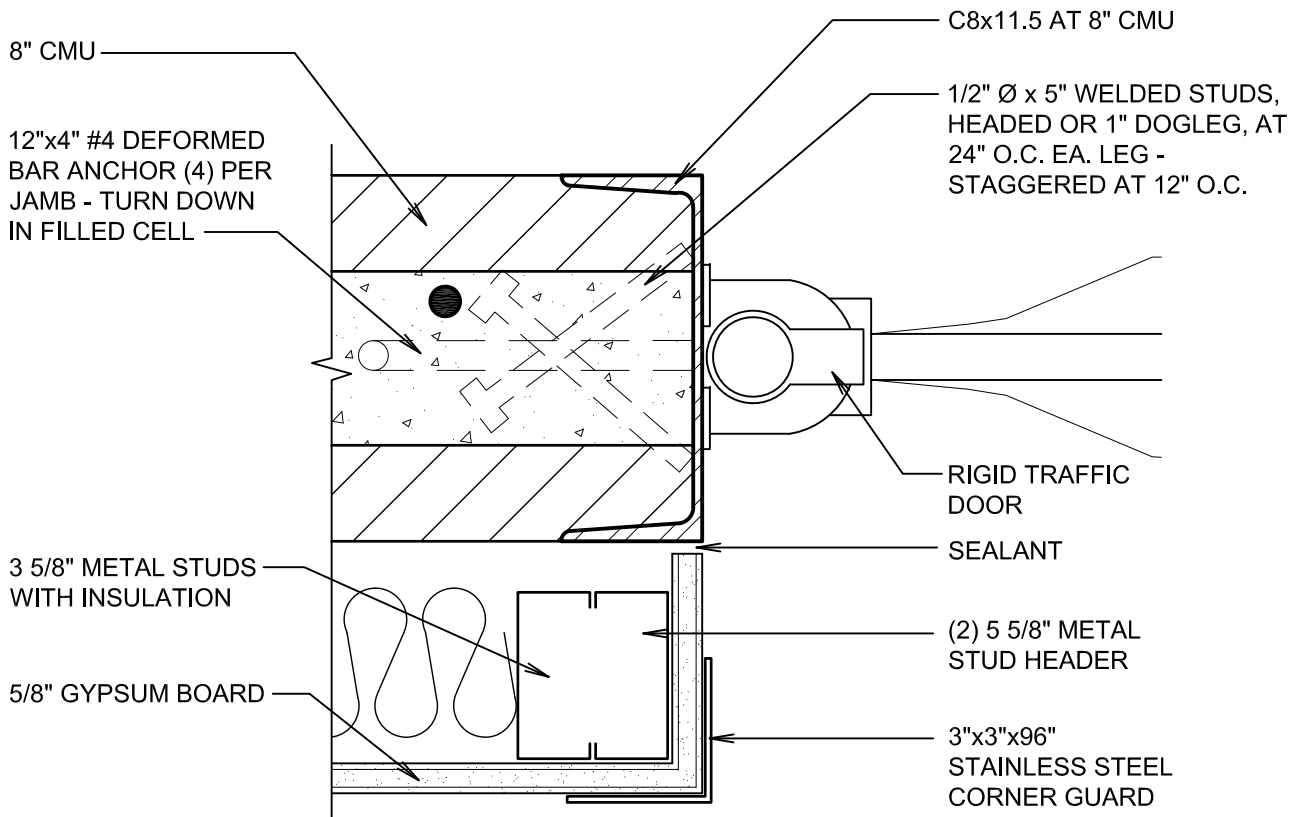
FRAME TYPES



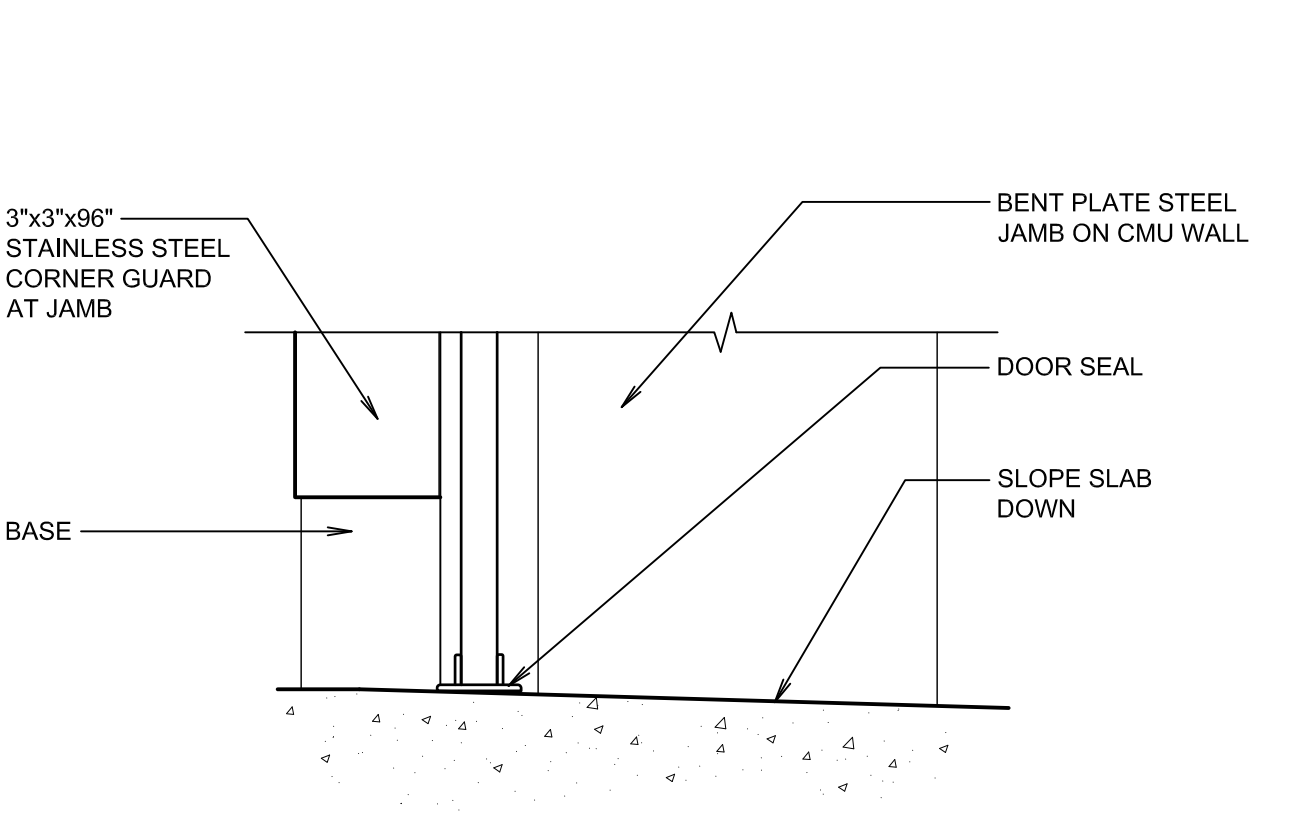
HEAD / JAMB SIM.



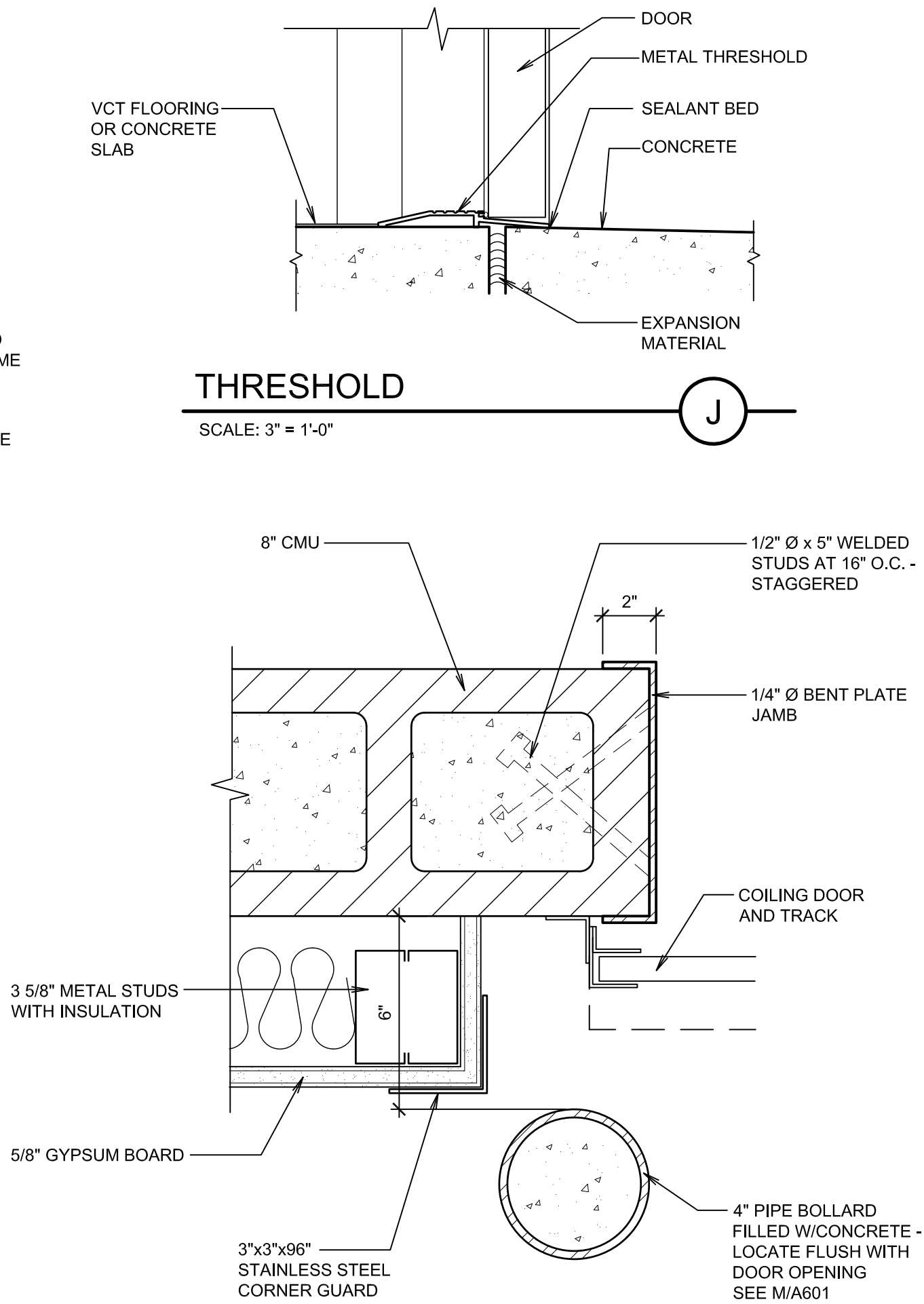
HEAD / JAMB SIM.



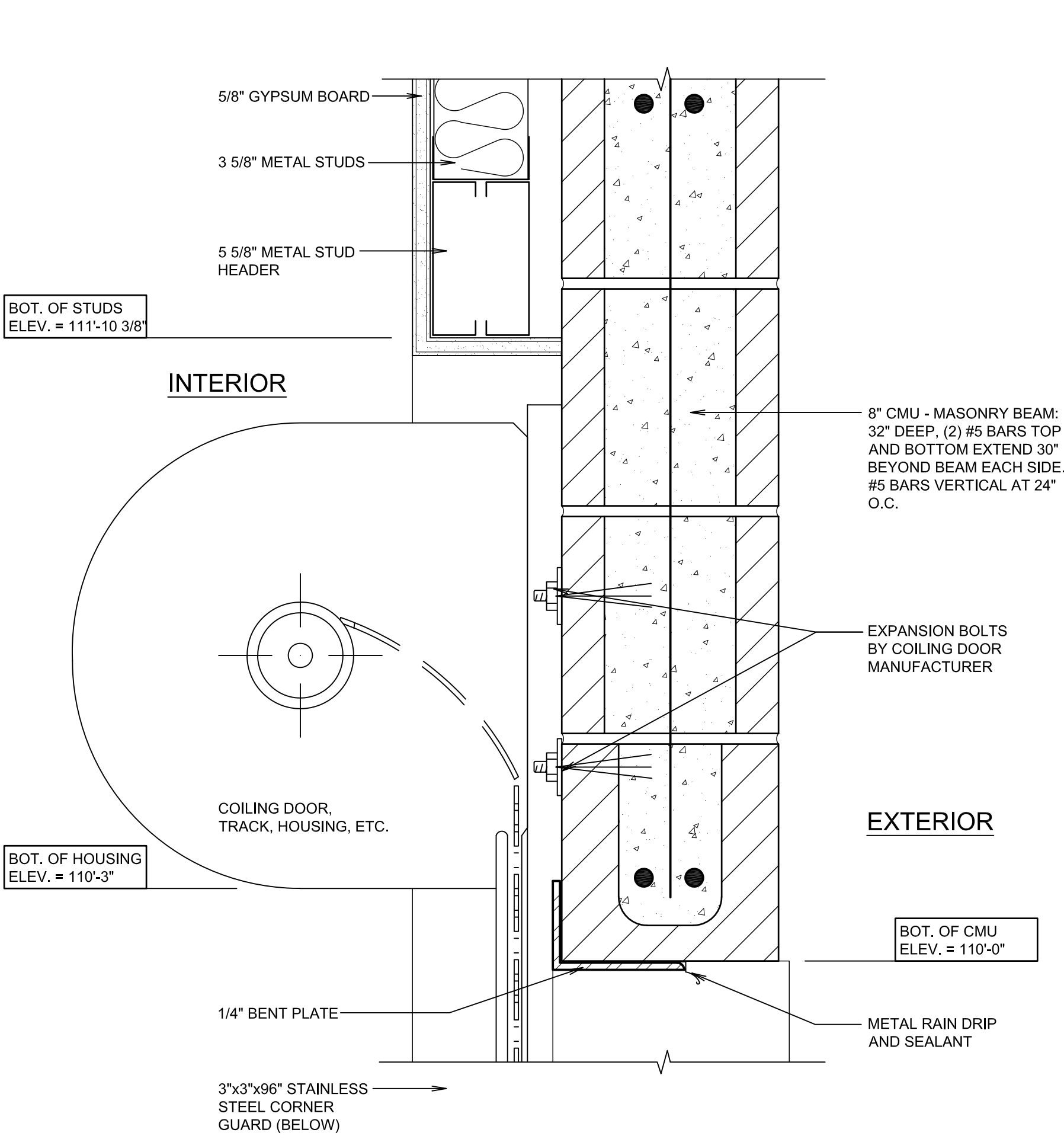
HEAD / JAMB SIM.



COILING DOOR SILL



COILING DOOR JAMB



COILING DOOR HEAD

DOOR SCHEDULE

MARK	DOOR						DETAILS				HARDWARE GROUP	THRESHOLD	REMARKS
	ROOM	TYPE	SINGLE	DOUBLE	SIZE	GLASS	PROFILE	FRAME TYPE	FRAME				
									HEAD	JAMB			
MAIN LEVEL													
101A	101	C	•		S2		M	1	B/A602	B/A602 (SIM).	24B		R2
102A	102	C	•		S1				EXISTING	EXISTING	28F	T2	R3
103A	103	C	•		S1				EXISTING	EXISTING	28F	T2	R3
105A	105	XD	•		S1	G1	M	1	B/A602	B/A602 (SIM).	29	T1	R1
108A	108	B	•		S3		M	3	C/A602	C/A602 (SIM).	10	T3	R4
110A	110	E1	•		S3	G1	S	3	E/A602	E/A602 (SIM).		T3	R2
110B	110	F	•		S4		F	3	H/A602	G/A602	60	T4	R2
110C	110	A	•		S1		M	2	D/A602	D/A602 (SIM).	2C	T3	R4

DOOR TYPES

- A 1 3/4" HOLLOW METAL DOOR
B 1 3/4" HOLLOW METAL DOOR WITH LITE
C 1 3/4" SOLID CORE WOOD DOOR
XD 1 3/4" WOOD DOOR WITH LITE [SALVAGE EXISTING]
E1 RIGID TRAFFIC DOORS WITH VISION PANELS, BARS, AND BUMPERS
F STEEL COILING DOOR

SIZE

- S1 3'-0" x 7'-0" x 1 3/4"
S2 3'-6" x 7'-0" x 1 3/4"
S3 3'-0" x 8'-0" x 1 3/4"
S4 8'-0" x 10'-0"

GLASS

- G1 1/4" TEMPERED PLATE (SINGLE GLAZE)

THRESHOLD

- T1 CARPET TRANSITION STRIP, U/A601
T2 2" WIDE STONE THRESHOLD BETWEEN RESINOUS FLOOR AND VCT BY CERAMIC TILE INSTALLER.
T3 METAL THRESHOLD, J/A602
T4 ROLL-UP DOOR SEAL, F/A602

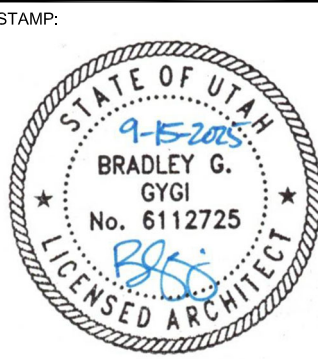
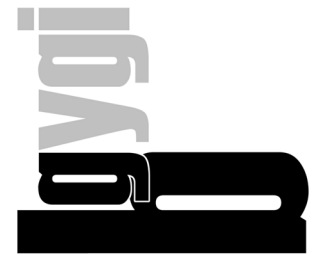
REMARKS

- R1 EXISTING DOOR AND HARDWARE IN NEW METAL FRAME. IN MODIFIED EXISTING WALL.
R2 NEW DOOR, FRAME, AND HARDWARE IN NEW OPENING IN MODIFIED EXISTING WALL.
R3 NEW DOOR AND HARDWARE IN EXISTING METAL FRAME. SAND AND PAINT FRAME.
R4 NEW DOOR, FRAME, AND HARDWARE IN MODIFIED EXISTING OPENING.

GENERAL NOTES:

- A. DUE TO MULTIPLE USE, SOME OF THE DETAILS REFERRED TO ON THE DOOR SCHEDULE ARE REVERSED AND/OR TURNED FROM THE DIRECTION SHOWN ON THE FLOOR PLAN. THE GENERAL INTENT OF DETAILS SHALL IN ALL CASES BE FOLLOWED AND THE ARCHITECT CONSULTED SHOULD QUESTIONS ARISE.
B. DOORS TO BE SET TO CLEAR FINISHED FLOOR SURFACE BY 1/2" (CUT EXISTING DOORS WHERE NECESSARY).
C. FIELD VERIFY ALL DOOR OPENINGS FOR SIZE OF FRAMES AND DOORS.

bradley gygi architect
& associates, pllc
PO Box 621048 | Salt Lake City, UT 84152
801-747-2451



HARRISVILLE DI INTERIOR REMODEL
WELFARE DI UTAH NORTH /
NORTHWEST REGION OFFICE
435 NORTH WALL AVE.
HARRISVILLE, UT

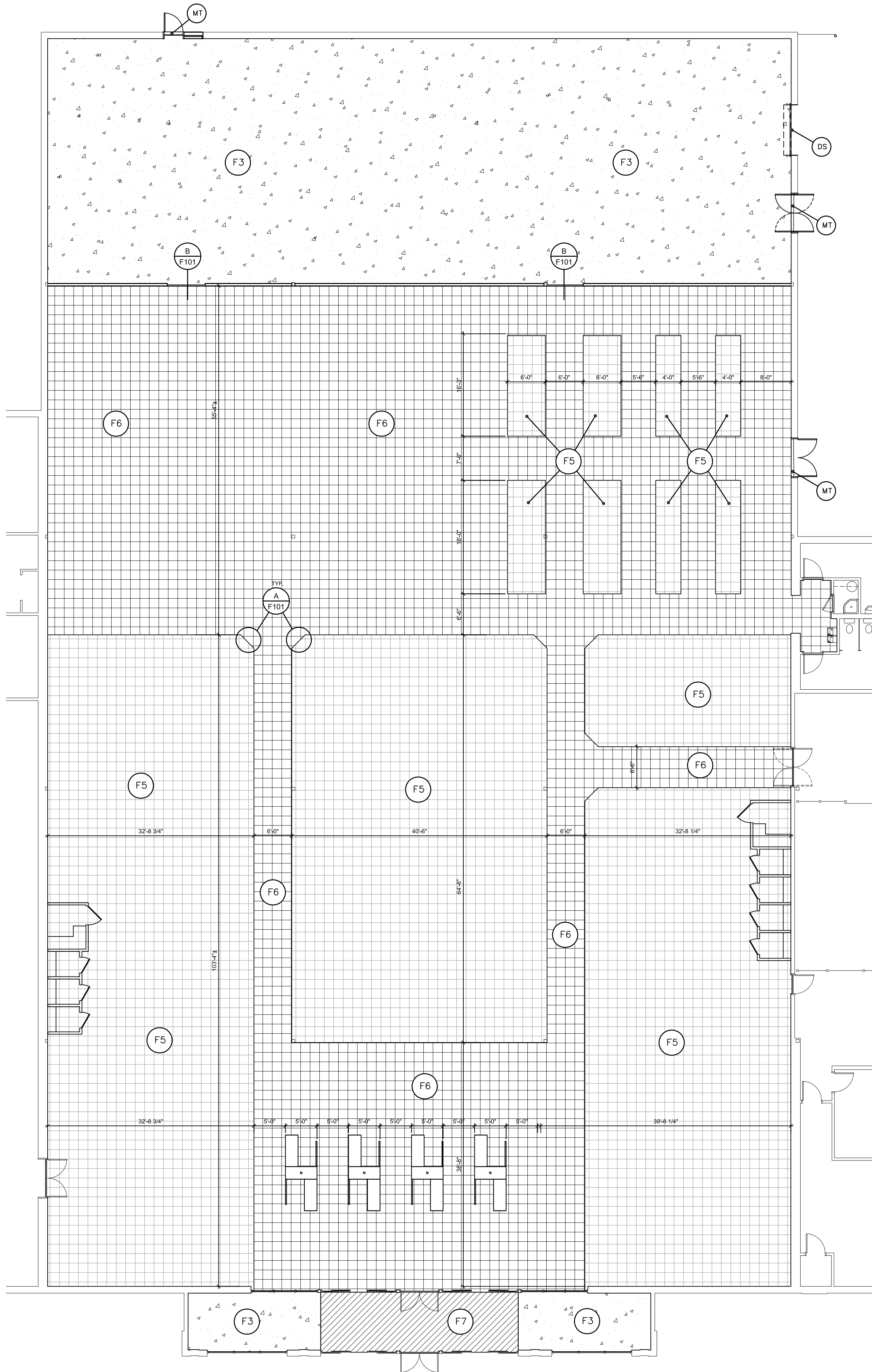
PROJECT FOR:
THE CHURCH OF
JESUS CHRIST
OF LATTER-DAY SAINTS

PROJECT NUMBER: 500021624010101
DATE: 15 SEPT 2025
PROPERTY NUMBER: 5000216

DRAWN BY: BGG	CHECKED: BGG
------------------	-----------------

SHEET TITLE:
DOOR
SCHEDULE
AND DETAILS

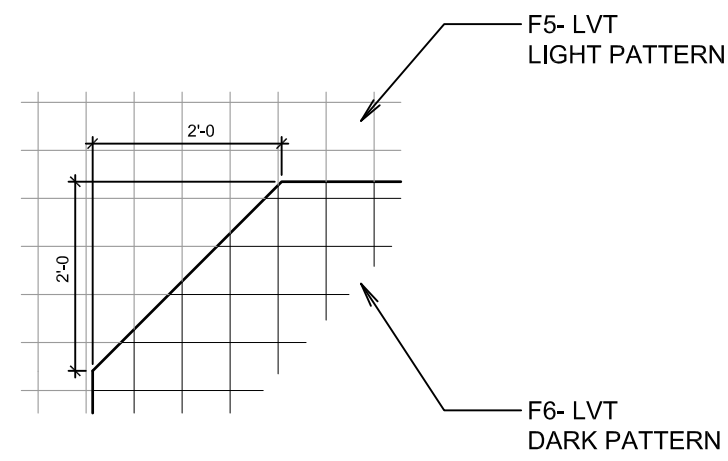
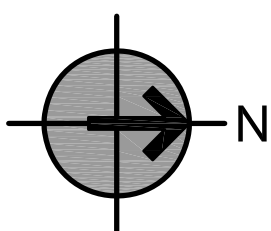
SHEET:
A601



SALES FURNISHINGS FLOOR PLAN

SCALE: 3/32" = 1'-0"

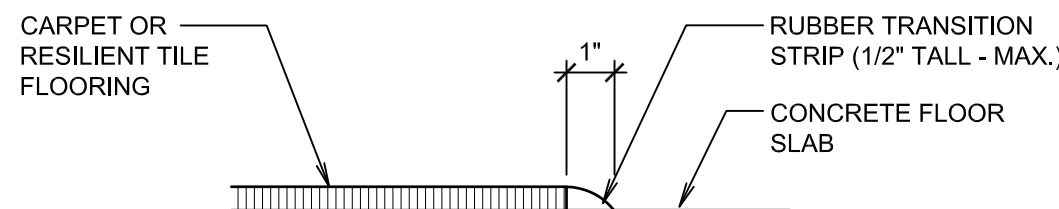
2



DETAIL

NOT TO SCALE

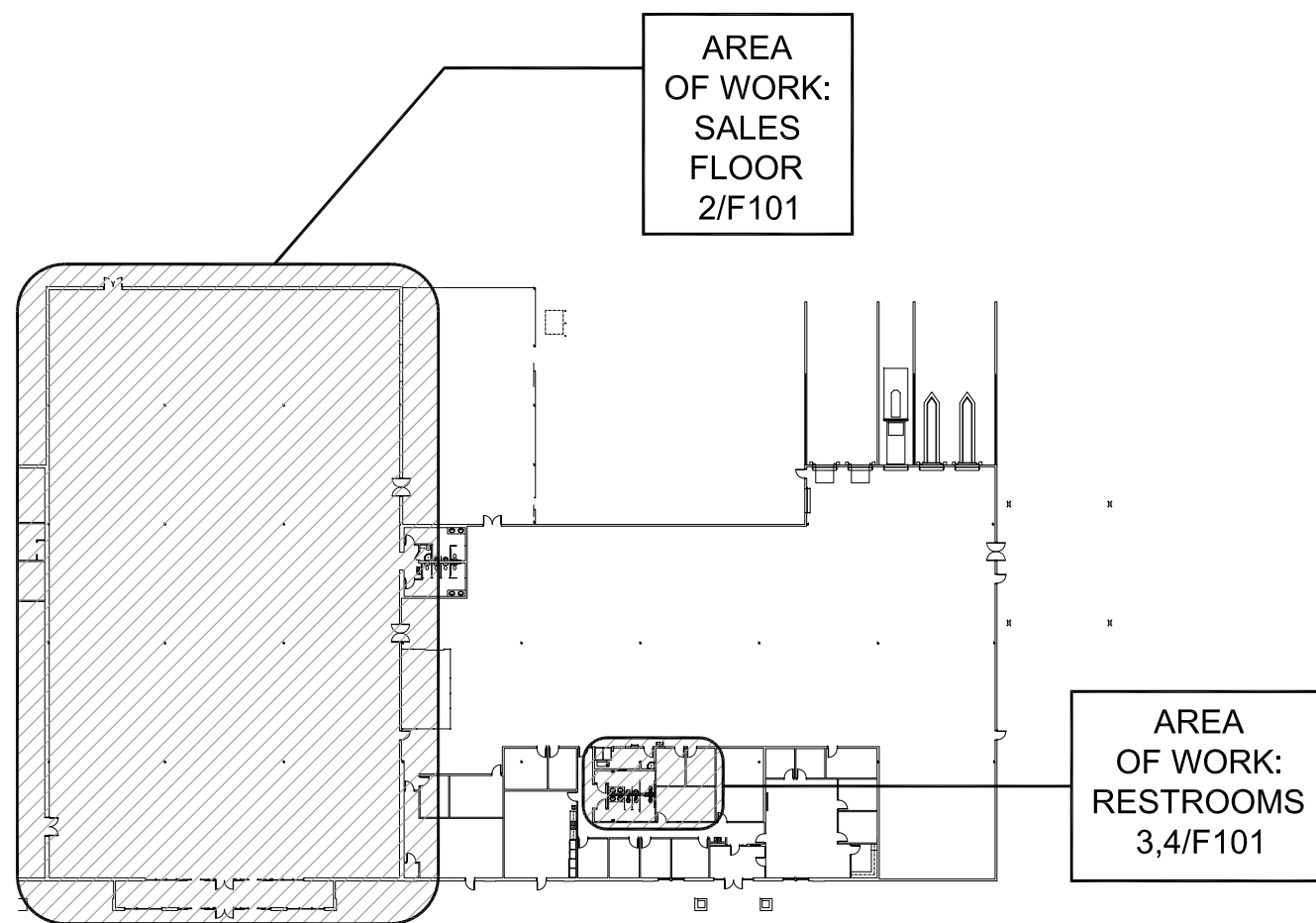
A



DETAIL

NOT TO SCALE

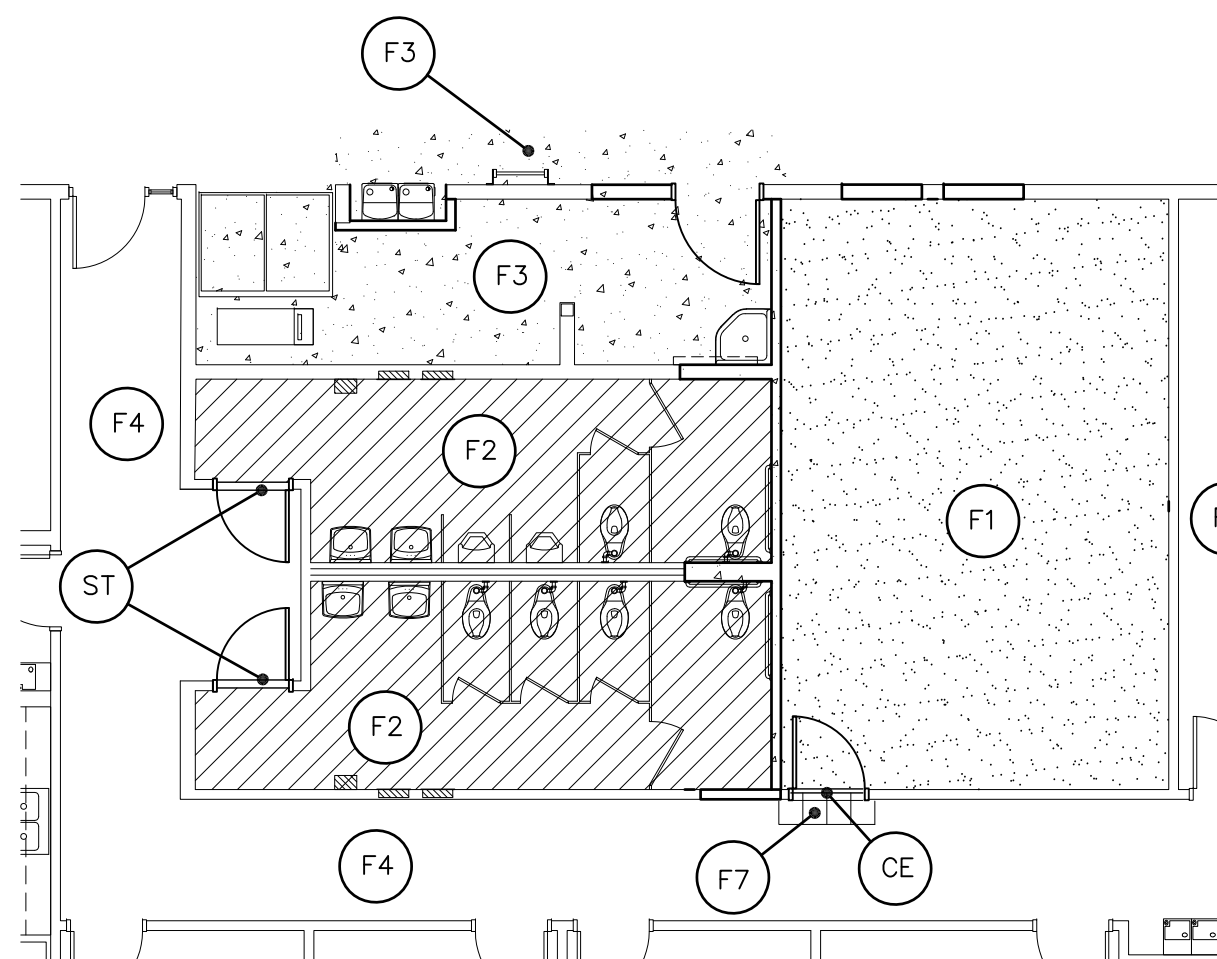
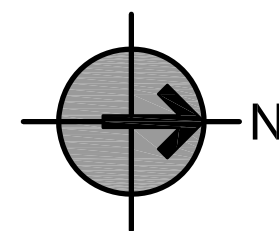
B



KEY FLOOR PLAN

SCALE: 1/64" = 1'-0"

1



RESTROOM AREA FURNISHINGS FLOOR PLAN

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

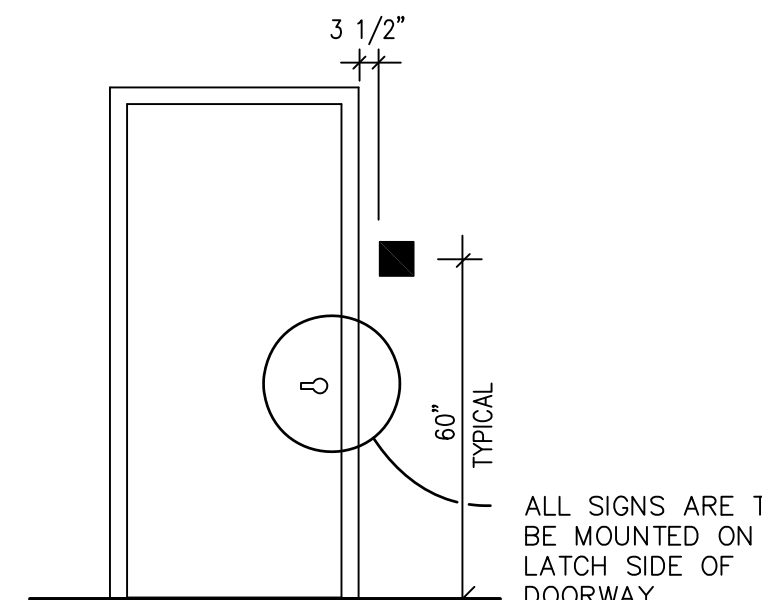
3



SIGN ELEVATIONS

NOT TO SCALE

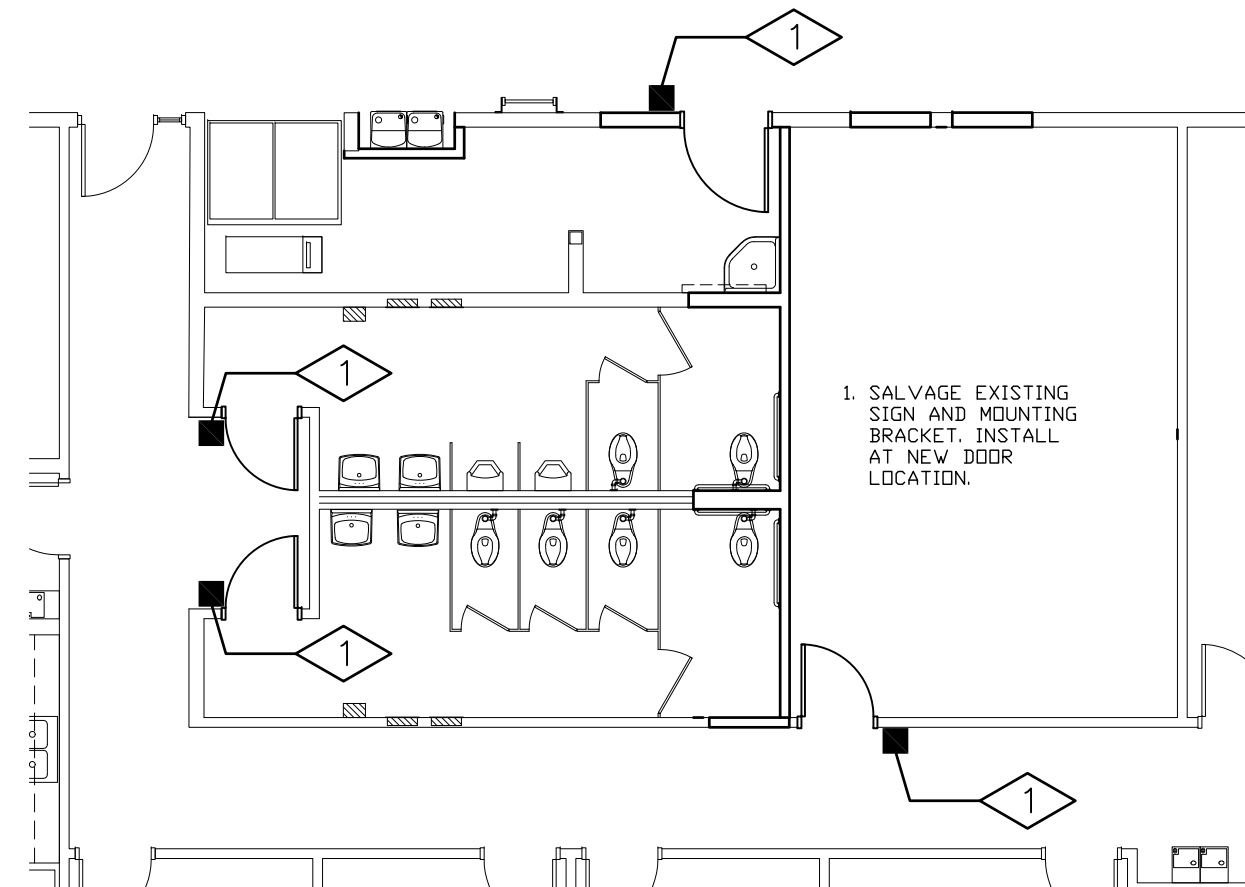
C



SIGN INSTALLATION

NOT TO SCALE

D



RESTROOM AREA SIGNAGE LOCATIONS PLAN

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

4

FURNISHINGS AND EQUIPMENT SCHEDULE

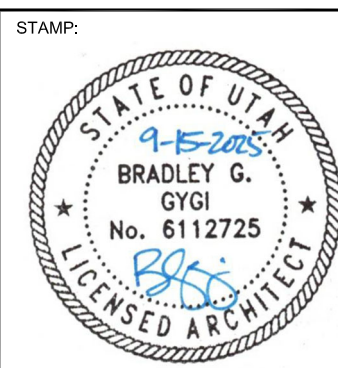
NOTE: FOR OTHER OWNER FURNISHED, OWNER INSTALLED ITEMS REFER TO SHEETS A1.3, F3.1, AND F3.2. SEE DIVISION 01 REQUIREMENTS AND INSTRUCTIONS CONCERNING OWNER FURNISHED ITEMS.

ITEM	FURNISHED BY	INSTALLED BY	BRAND	STYLE OR TYPE	COLOR	REMARKS
VCT	OWNER	OWNER	SEE DIV. 09			CONTRACTOR TO PROVIDE FLOOR PREPARATION
ROOM SIGNAGE	OWNER	CONTRACTOR	SEE DIV. 10			

FLOOR FINISHES LEGEND

	F1 CARPET		F5 LUXURY VINYL TILE- LIGHT PATTERN		CE NEW CARPET EDGE, B/F101
	F2 RESONIUS FLOOR AND INTEGRAL COVED BASE		F6 LUXURY VINYL TILE- DARK PATTERN		ST 2" WIDE STONE THRESHOLD TO RESINOUS FLOOR
	F3 POLISHED CONCRETE		F7 ENTRANCE MAT SYSTEM		MT METAL THRESHOLD, J/A602
	F4 EXISTING TO REMAIN		F8 PATCH EXISTING VCT FLOORING TO MATCH EXISTING.		DS DOOR SEAL, F/A602

bradley gygi architect
& associates, pllc
PO Box 670468 | Salt Lake City, UT 84152
801-747-2451



HARRISVILLE DI INTERIOR REMODEL
WELFARE DI UTAH NORTH /
NORTHWEST REGION OFFICE
435 NORTH WALL AVE.
HARRISVILLE, UT

PROJECT FOR:
THE CHURCH OF
JESUS CHRIST
OF LATTER-DAY SAINTS

PROJECT NUMBER:
500021624010101
DATE:
15 SEPT 2025
PROPERTY NUMBER:
5000216

DRAWN BY:
BGG
CHECKED:
BGG

SHEET TITLE:
FURNISHINGS
FLOOR PLANS
AND
SCHEDULES

SHEET:
F101

L:\08\5025\25058\CAD\SSP001.dwg, 10/6/2025, 3:14:13 PM, lmg46

PLUMBING GENERAL NOTES			
1.	THE CONTRACTOR SHALL FURNISH AND INSTALL ALL ITEMS WHICH ARE OBVIOUSLY AND REASONABLY NECESSARY TO COMPLETE THE INSTALLATION.	9.	PLUMBING/PIPING IS SHOWN SCHEMATICALLY FOR VIEWING PURPOSES ONLY; DURING INSTALLATION FIELD MODIFICATIONS TO ROUTING MAY BE REQUIRED.
2.	THE CONTRACTOR SHALL TAKE OUT PERMITS, PROCURE CERTIFICATES AND PAY FEES CONNECTED THEREWITH.	10.	INSTALL ALL REQUIRED CLEANOUTS TO CLEAR EQUIPMENT AND FIXTURES.
3.	BIDDERS SHALL VISIT THE SITE AND BECOME FAMILIAR WITH EXISTING CONDITIONS SURROUNDING THE PROJECT PRIOR TO BIDDING.	11.	ALL WORK SHALL BE PROPERLY TESTED, BALANCED AND CLEANED AND DISINFECTED. PROVIDE A ONE YEAR WARRANTY FROM DATE OF FINAL INSPECTION ON ALL PARTS AND LABOR.
4.	THE CONTRACTOR IS REFERRED TO ARCHITECTURAL, STRUCTURAL, ELECTRICAL PLANS AND SPECIFICATIONS. SUCH PLANS AND SPECIFICATIONS ARE CONTRACT DOCUMENTS.	12.	TERMINATE PLUMBING VENTS AT A MINIMUM OF 10' FROM ALL AIR HANDLING EQUIPMENT INTAKE VENTS.
5.	DRAWINGS ARE DIAGRAMMATIC AND INTENDED TO SHOW APPROXIMATE LOCATIONS.	13.	CONTRACTOR SHALL VERIFY LOCAL CODE REQUIREMENTS FOR INDIRECT CONNECTIONS FOR FOOD PREP AREAS. CONNECTIONS SHALL BE PROVIDED WITH A MINIMUM 1" AIR GAP, UNLESS OTHERWISE NOTED.
6.	ALL PLUMBING WORK SHALL BE PERFORMED IN STRICT ACCORDANCE WITH THE LATEST EDITION OF THE PREVAILING STATE MECHANICAL/PLUMBING AND BUILDING CODES AS WELL AS ALL REGULATIONS THAT MAY APPLY. IN CASE OF CONFLICT BETWEEN THE CONTRACT DOCUMENTS AND A GOVERNING CODE OR ORDINANCE THE MORE STRINGENT STANDARD SHALL APPLY.	14.	PRESSURIZED PIPING SHALL NOT BE RUN IN ANY AREA SUBJECT TO FREEZING.
7.	NO PIPING SHALL RUN EXPOSED IN FINISHED AREAS UNLESS NOTED OTHERWISE.	15.	PRIOR TO INSTALLING ANY PIPING, VERIFY DEPTH OF CONNECTION POINTS OF GRADE DEPENDENT PIPING AND CONFIRM IN WRITING TO ENGINEER.
8.	RUN-OUT SIZES TO INDIVIDUAL PLUMBING FIXTURES TO BE EQUAL TO ROUGH-IN SIZE NOTED IN THE PLUMBING FIXTURE SCHEDULE.	16.	WHERE RATED ASSEMBLIES ARE PENETRATED BY DUCTS, PIPES OR OTHER ITEMS, THE "F" AND "T" RATING SHALL BE MAINTAINED WITH REQUIRED UL LISTED ASSEMBLIES OR SEALANT AS REQUIRED BY THE APPLICABLE CODE OR AUTHORITY HAVING JURISDICTION.

PLUMBING ABBREVIATIONS							
A	COMPRESSED AIR	EWC	ELECTRIC WATER COOLER	IN	INCH	RPBP	REDUCED PRESSURE BACKFLOW PREVENTER
AFF	ABOVE FINISHED FLOOR	EWT	ENTERING WATER TEMPERATURE	INV	INVERT	S	SINK
ALT	ALTERNATE			KW	KILOWATT	SCHED	SCHEDULE
ASL	ABOVE SEA LEVEL	F	FIRE SUPPRESION	LAV	LAVATORY	SCW	SOFT COLD WATER
AV	ACID VENT	FCO	FLOOR CLEANOUT	LB	POUND	SH	SHOWER
AW	ACID WASTE	FD	FLOOR DRAIN	MAX	MAXIMUM	SL	SEA LEVEL
BFF	BELOW FINISHED FLOOR	FLEX	FLEXIBLE	MBH	THOUSAND BRITISH THERMAL UNITS/HOUR	SPEC	SPECIFICATION
BTU	BRITISH THERMAL UNIT	FLR	FLOOR			SQ FT	SQUARE FEET
CO	CLEANOUT	FS	FLOOR SINK	MECH	MECHANICAL	SRD	SECONDARY ROOF DRAIN
CO2	CARBON DIOXIDE	FT	FEET	MECH RM	MECHANICAL ROOM	SS	SERVICE SINK
CONTR	CONTRACTOR	G	NATURAL GAS	MFR	MANUFACTURER	STD	STANDARD
COTG	CLEANOUT TO GRADE	GA	GAUGE	MIN	MINIMUM	TWS	TEMPERED WATER DOMESTIC
CW	CLOTHES WASHER	GAL	GALLON(S)	MISC	MISCELLANEOUS	TEMP	TEMPERATURE
CW	COLD WATER	GALV	GALVANIZED	N	NITROGEN	TYP	TYPICAL
D	DRAIN PIPE	GPM	GALLONS PER MINUTE	NIC	NOT IN CONTRACT	U	URINAL
DEG F	DEGREE FAHRENHEIT	GW	GREASE WASTE	NO	NITROUS OXIDE	V	VOLT
DEMO	DEMOLITION	HA	HAMMER ARRESTOR	NTS	NOT TO SCALE	VAC	VACUUM
DET	DETAIL	HB	HOSE BIBB	O	OXYGEN	VTR	VENT THRU ROOF
DF	DRINKING FOUNTAIN	HD	HEAD	PH	PHASE	W/	WITH
DIA	DIAMETER	HORIZ	HORIZONTAL	PPM	PARTS PER MILLION	W/O	WITHOUT
DIM	DIMENSION	HP	HORSEPOWER	PRV	PRESSURE REDUCING VALVE	WAG	WASTE ANESTHETIC GAS
DIV	DIVISION	H	HOUR	PSI	POUNDS PER SQUARE INCH	WC	WATER CLOSET
DMPR	DAMPER	HW	HOT WATER	PW	PROCESS WASTE	WCO	WALL CLEANOUT
DN	DOWN	HWR	HOT WATER RETURN	QTY	QUANTITY	WH	WATER HEATER
DRN	DRAIN	HZ	HERTZ	RD	ROOF DRAIN		
DS	DOWNSPOUT	ICW	INDUSTRIAL COLD WATER	REQD	REQUIRED		
ES	EMERGENCY	IE	INVERT ELEVATION	REV	REVISION		
EW	EMERGENCY EYE WASH	IHW	INDUSTRIAL HOT WATER	RP	RECIRCULATION PUMP		

PLUMBING LEGEND			
NOTE: NEW ITEMS SHOWN DARK, EXISTING ITEMS SHOWN LIGHT. ALL ITEMS MAY NOT APPEAR ON DRAWINGS.			
DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL
WALL CLEAN OUT	WCO	DOMESTIC COLD WATER PIPING	
CLEAN OUT	CO	INDUSTRIAL COLD WATER PIPING	ICW
CLEAN OUT TO GRADE	COTG	SOFT COLD WATER PIPING	SCW
FLOOR CLEAN OUT	FCO	DOMESTIC HOT WATER PIPING	
DROP		INDUSTRIAL HOT WATER PIPING	IHW
RISE		SOFT HOT WATER PIPING	SHW
CAPPED PIPE		DOMESTIC HOT WATER RECIRCULATION PIPING	
PIPE REDUCER		DOMESTIC TEMPERED WATER	TWS
BALL VALVE		VENT PIPING	
GATE VALVE		ACID VENT PIPING	AV
AUTOMATIC TWO-WAY VALVE		WASTE PIPING (ABOVE GRADE OR FLOOR)	
AUTOMATIC THREE-WAY VALVE		WASTE PIPING (BELOW GRADE OR FLOOR)	
TEMPERING VALVE	TWS	ACID WASTE PIPING (ABOVE GRADE OR FLOOR)	AW
UNION		ACID WASTE PIPING (BELOW GRADE OR FLOOR)	AW
GAS COCK VALVE		GREASE WASTE PIPING (ABOVE GRADE OR FLOOR)	GW
PRESSURE REGULATOR		GREASE WASTE PIPING (BELOW GRADE OR FLOOR)	GW
STRAINER		PROCESS WASTE PIPING (ABOVE GRADE OR FLOOR)	PW
HAMMER ARRESTOR		PROCESS WASTE PIPING (BELOW GRADE OR FLOOR)	PW
CHECK VALVE		ROOF DRAIN PIPING (ABOVE GRADE OR FLOOR)	RD
CIRCUIT SETTER		ROOF DRAIN PIPING (BELOW GRADE OR FLOOR)	RD
BUTTERFLY VALVE		SECONDARY ROOF DRAIN PIPING	SRD
BACKFLOW PREVENTOR		NATURAL GAS PIPING	G
RELIEF VALVE		LIQUID PROPANE GAS	LPG
MANUAL AIR VENT		COMPRESSED AIR PIPING	A
THERMOMETER		CARBON DIOXIDE PIPING	CO2
FLEXIBLE PIPING		NITROGEN PIPING	N
INLINE PUMP		NITROUS OXIDE PIPING	NO
DIRECTION OF SLOPE		OXYGEN PIPING	O
FLOW DIRECTION		VACUUM PIPING	VAC
ACCESS DOOR		WASTE ANESTHETIC GAS PIPING	WAG
FLOW METER		DEIONIZED WATER PIPING	DIW
WATER METER		DRAIN PIPING	D
DEVICE IN DROP		FIRE SPRINKLER PIPING	F
SECTION LETTER SHEET NUMBER		KEYED NOTE	#
ROOM NAME ROOM NUMBER		PLUMBING FIXTURE CALLOUT	P-??
REVISION DELTA		DETAIL NUMBER SHEET DETAIL APPEARS	X S#
NEW CONNECTION		EQUIPMENT CALLOUT	X#
		LARGE SCALE NUMBER SHEET LARGE SCALE APPEARS	# Sh

bradley gygi architect & associates, pllc

gygi

PG Box 670468 | Salt Lake City, UT 84162
801-747-2451

STAMP:

REGISTERED PROFESSIONAL ENGINEER
No. 172461
RICHARD D. JENSEN
STATE OF UTAH

HARRISVILLE DI INTERIOR REMODEL
WELFARE DI UTAH NORTH / NORTHWEST REGION OFFICE
435 NORTH WALL AVE.
HARRISVILLE, UT

PROJECT FOR:

THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS

PROJECT NUMBER:
500021624010101

DATE:
15 SEP 2025

PROPERTY NUMBER:
5000216

DRAWN BY:

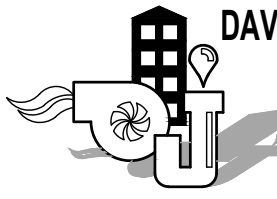
CHECKED:

SHEET TITLE:

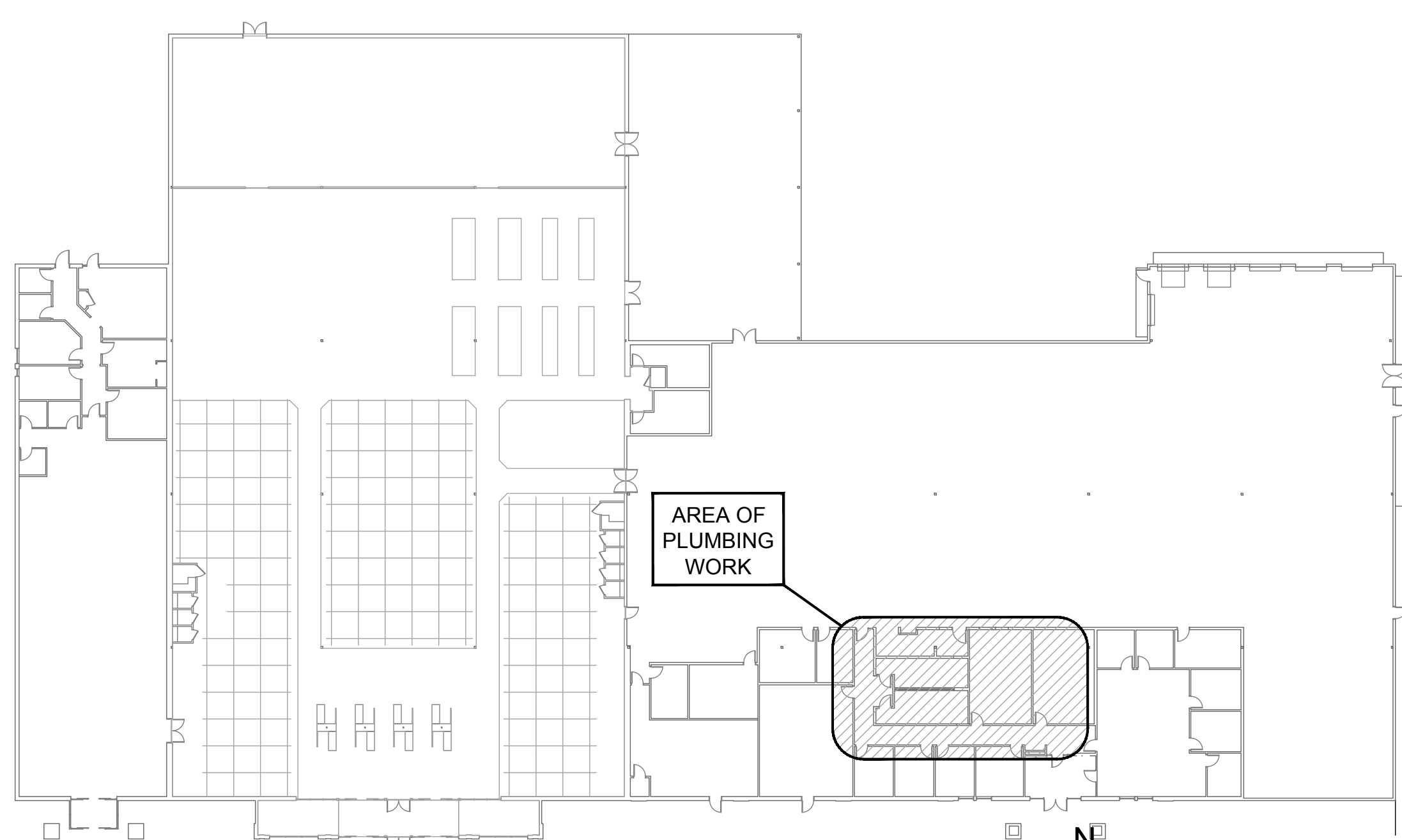
PLUMBING LEGEND AND GENERAL NOTES

SHEET:

P001



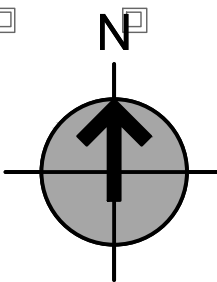
DAVID L. JENSEN & ASSOCIATES
MECHANICAL ENGINEERS
547 WEST 500 SOUTH SUITE #140
BOUNTIFUL, UTAH 84010
PHONE: (801) 294-9299



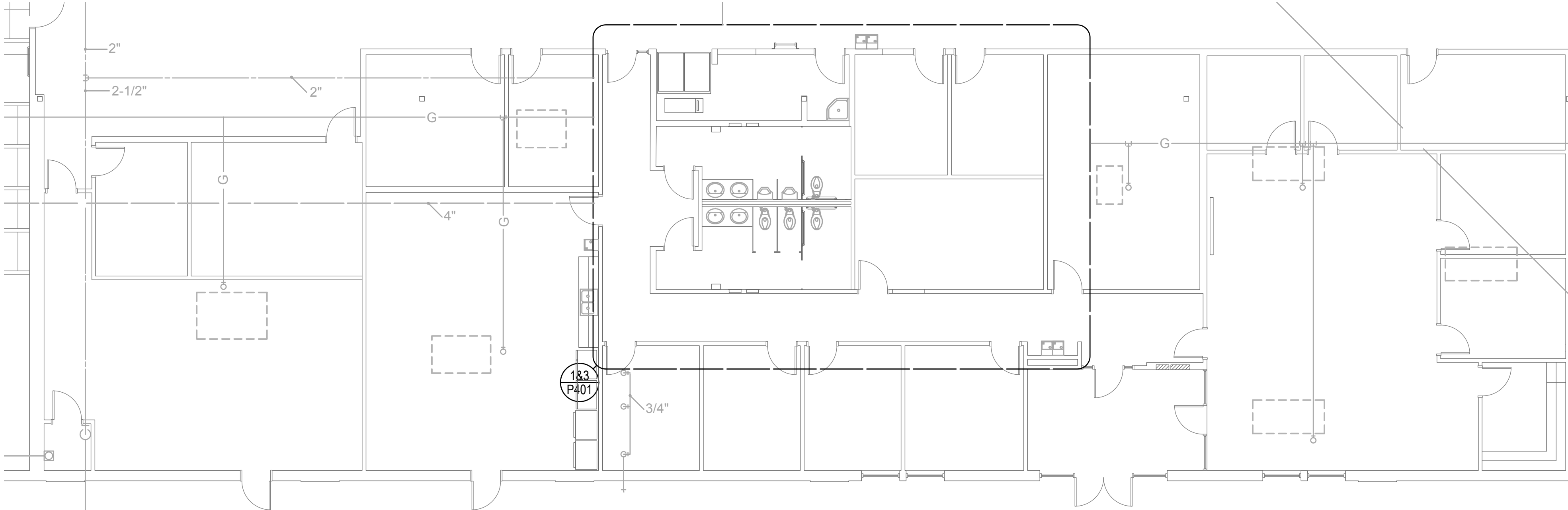
KEY FLOOR PLAN

SCALE: 1/32" = 1'-0"

1



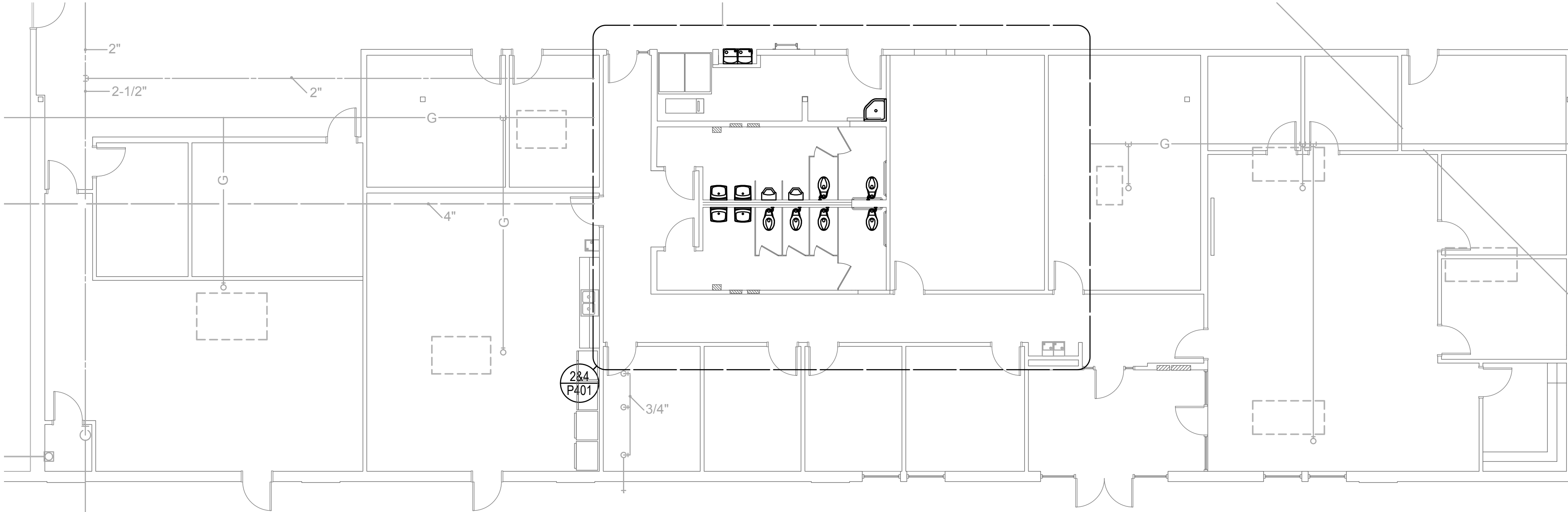
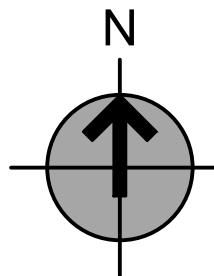
KEYED NOTES FOR SHEET P101



PLUMBING DEMOLITION PLAN

SCALE: 1/4" = 1'-0"

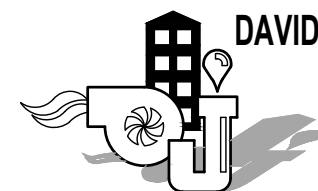
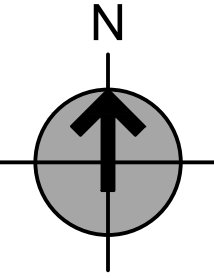
2



PLUMBING REMODEL PLAN

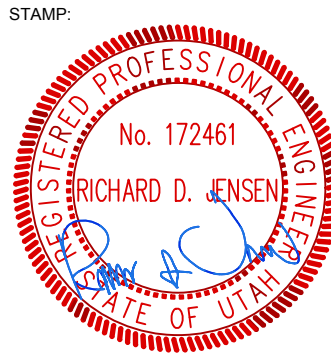
SCALE: 1/4" = 1'-0"

3



DAVID L. JENSEN & ASSOCIATES
MECHANICAL ENGINEERS
547 WEST 500 SOUTH SUITE #140
BOUNTIFUL, UTAH 84010
PHONE: (801) 294-9299

**bradley gygi architect
& associates, pllc**
gygi
PO Box 670408 | Salt Lake City, UT 84152
801-747-2451



HARRISVILLE DI INTERIOR REMODEL
WELFARE DI UTAH NORTH /
NORTHWEST REGION OFFICE
435 NORTH WALL AVE.
HARRISVILLE, UT

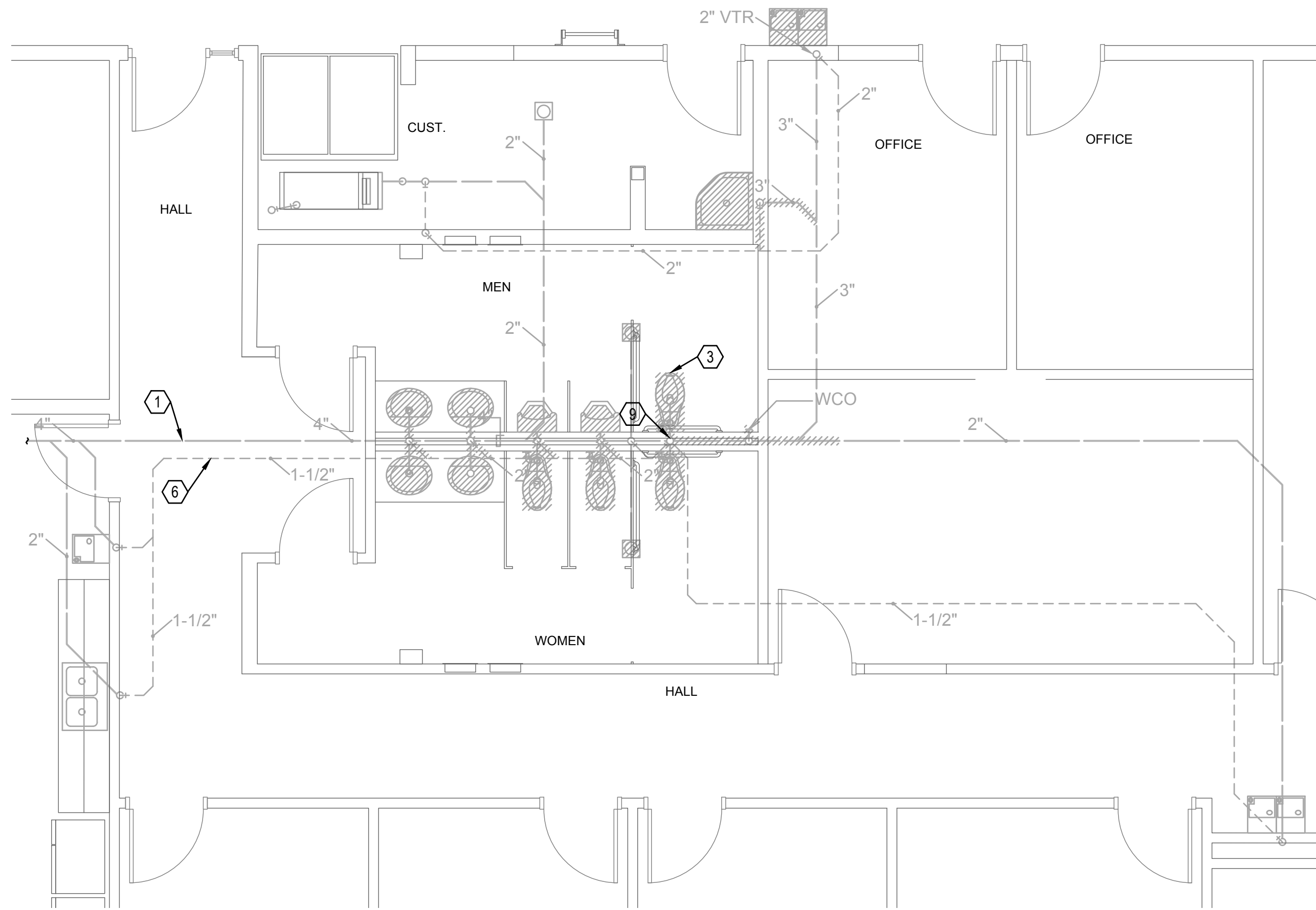
PROJECT FOR:
**THE CHURCH OF
JESUS CHRIST
OF LATTER-DAY SAINTS**

PROJECT NUMBER:
500021624010101
DATE:
15 SEP 2025
PROPERTY NUMBER:
5000216

DRAWN BY: CHECKED:

SHEET TITLE:
**PLUMBING
PLANS**

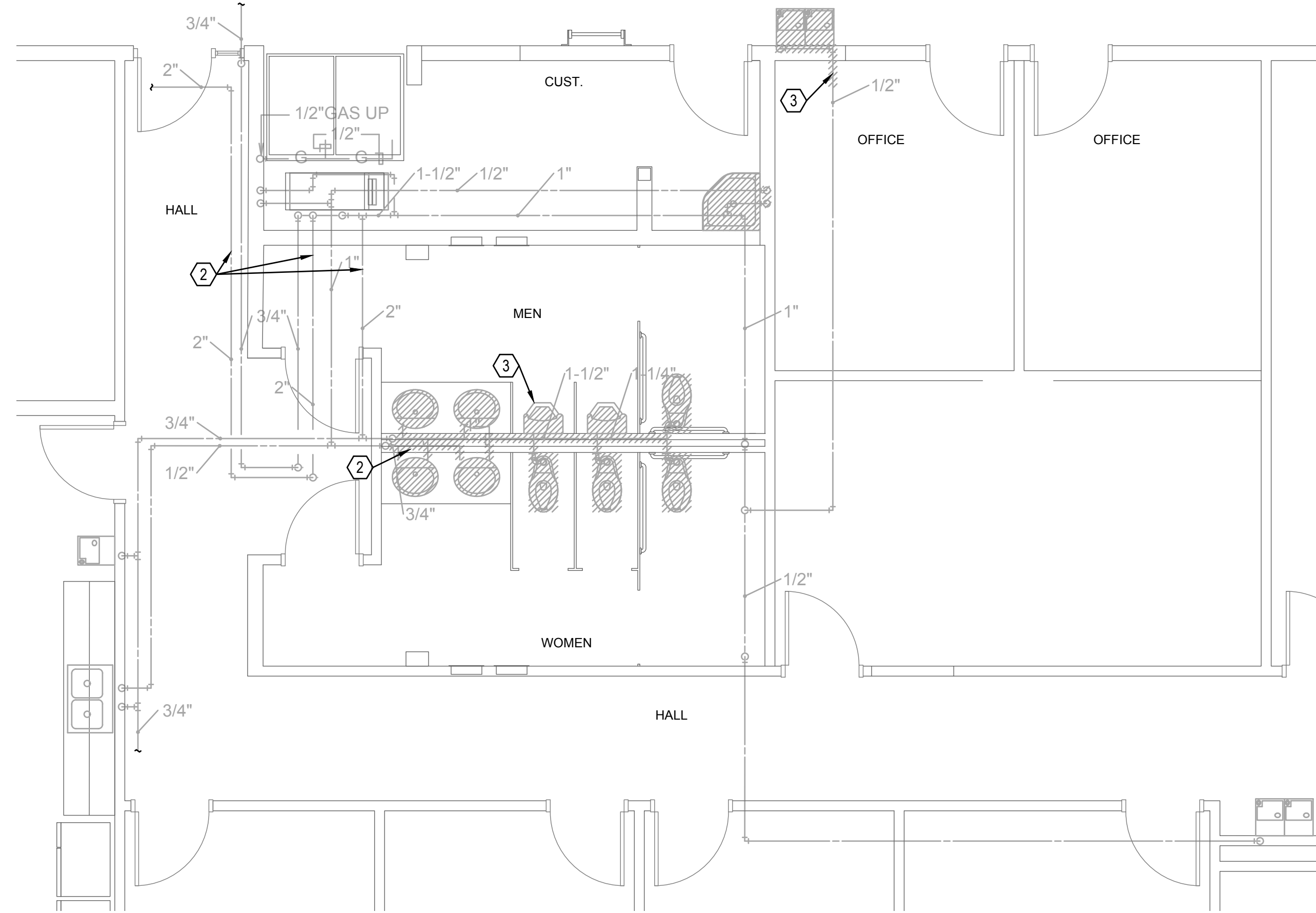
SHEET:
P101



DWV PLUMBING DEMOLITION PLAN

SCALE: 1/4" = 1'-0"

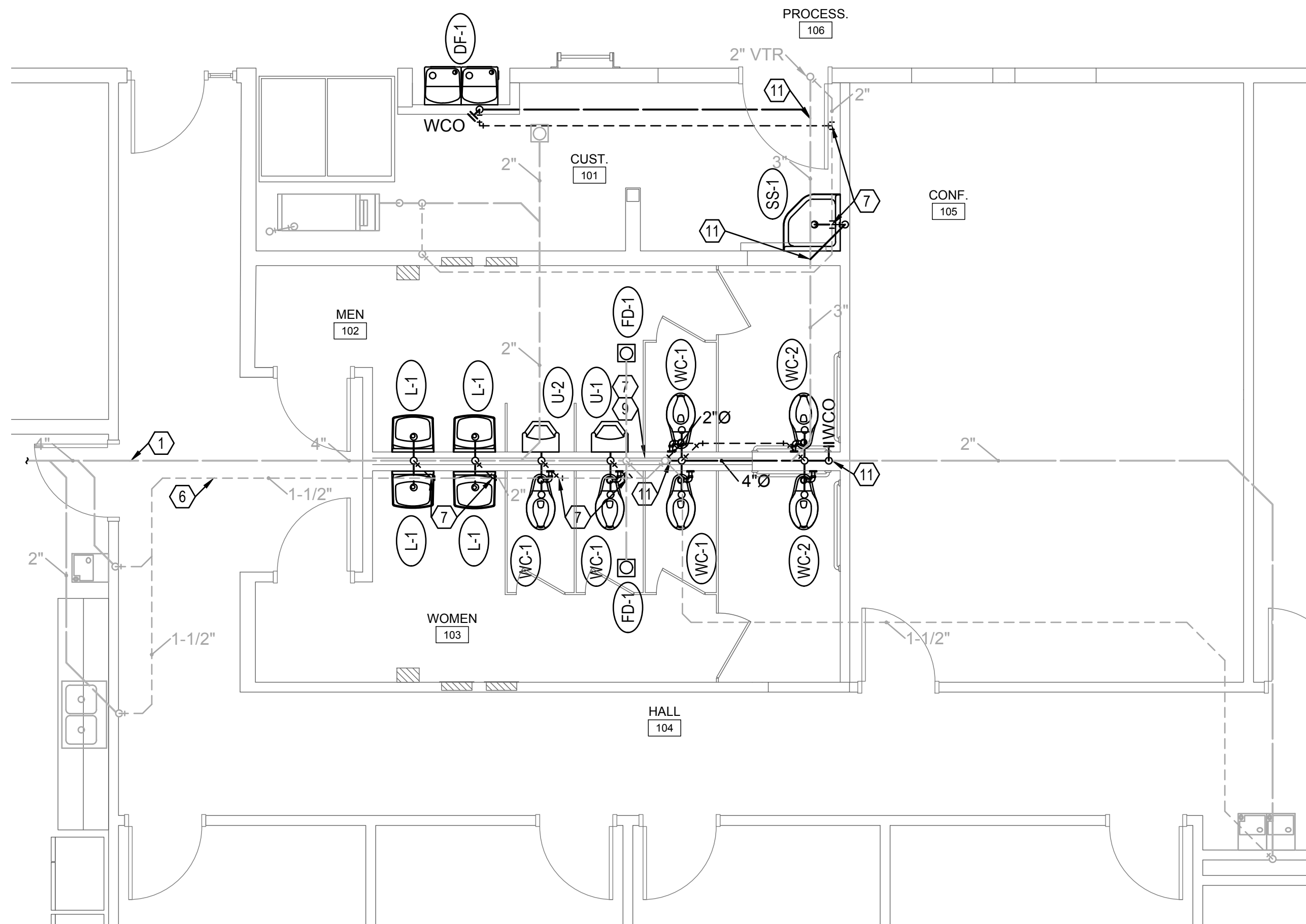
3



DOMESTIC WATER
PLUMBING DEMOLITION PLAN

SCALE: 1/4" = 1'-0"

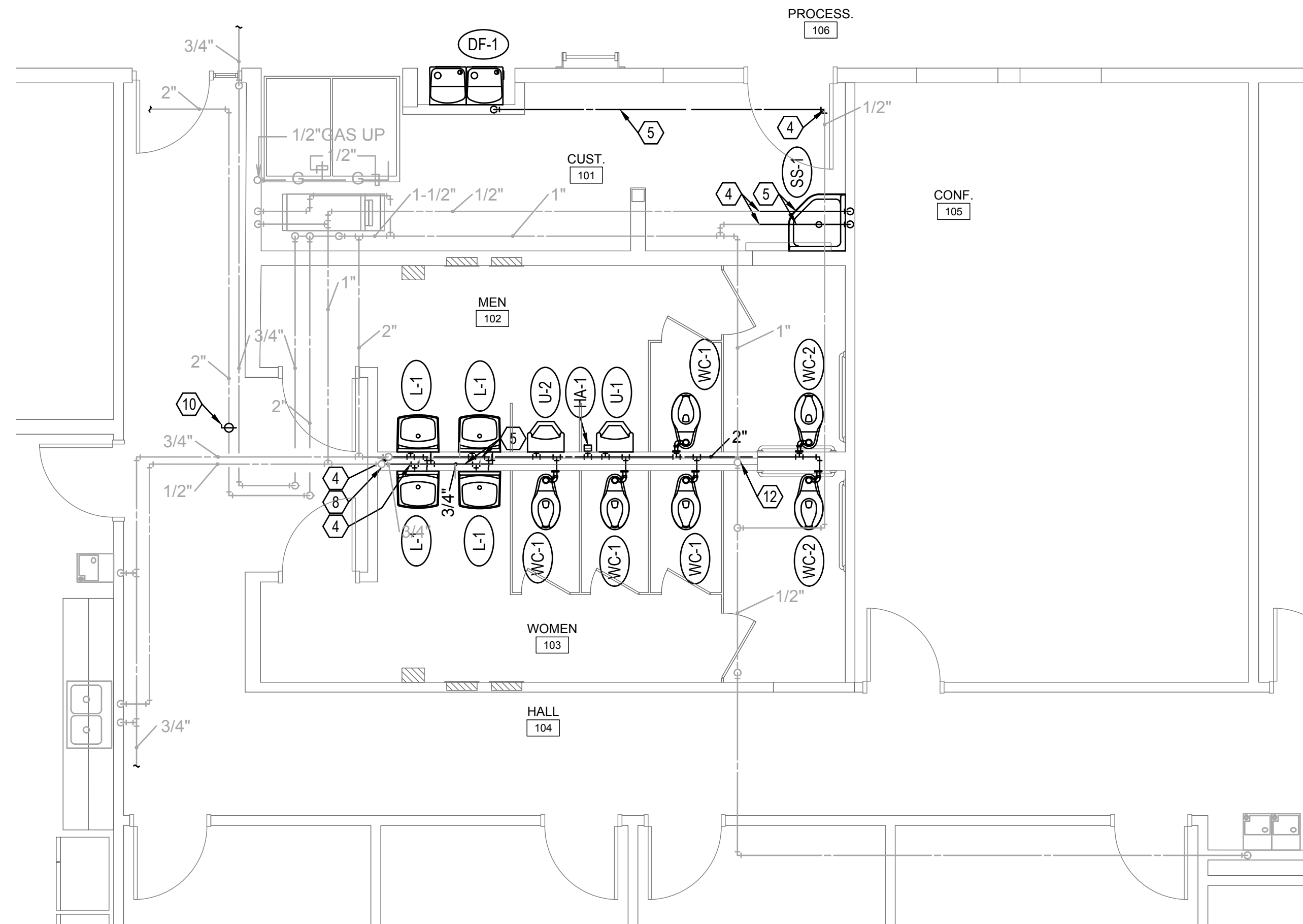
1



DWV PLUMBING REMODEL PLAN

SCALE: 1/4" = 1'-0"

4



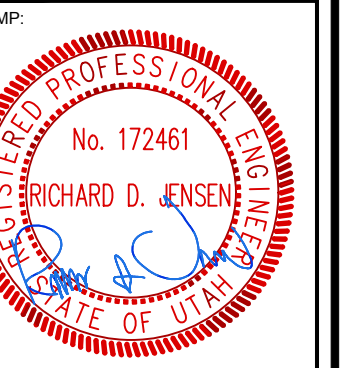
DOMESTIC WATER
PLUMBING REMODEL PLAN

SCALE: 1/4" = 1'-0"

2

KEYED NOTES FOR SHEET P401

- 1 EXISTING WASTE LINE, FIELD VERIFY.
- 2 EXISTING WATER LINE, FIELD VERIFY.
- 3 REMOVE EXISTING PIPING, FIXTURES, ETC (SHOWN HATCHED)(TYP).
- 4 CONNECT TO EXISTING WATER LINES WITH NEW AS SHOWN (TYP).
- 5 NEW WATER LINE (TYP).
- 6 EXISTING VENT LINE, FIELD VERIFY.
- 7 CONNECT TO EXISTING VENT LINE.
- 8 EXISTING 1" HW UP.
- 9 EXISTING 4" VENT UP.
- 10 FURNISH WITH SHUTOFF VALVE.
- 11 CONNECT TO EXISTING WASTE LINE, FIELD VERIFY.
- 12 EXISTING CW UP, FIELD VERIFY.



HARRISVILLE DI INTERIOR REMODEL
WELFARE DI UTAH NORTH /
NORTHWEST REGION OFFICE
435 NORTH WALL AVE.
HARRISVILLE, UT

PROJECT FOR:
**THE CHURCH OF
JESUS CHRIST
OF LATTER-DAY SAINTS**

PROJECT NUMBER:
500021624010101
DATE:
15 SEP 2025
PROPERTY NUMBER:
5000216

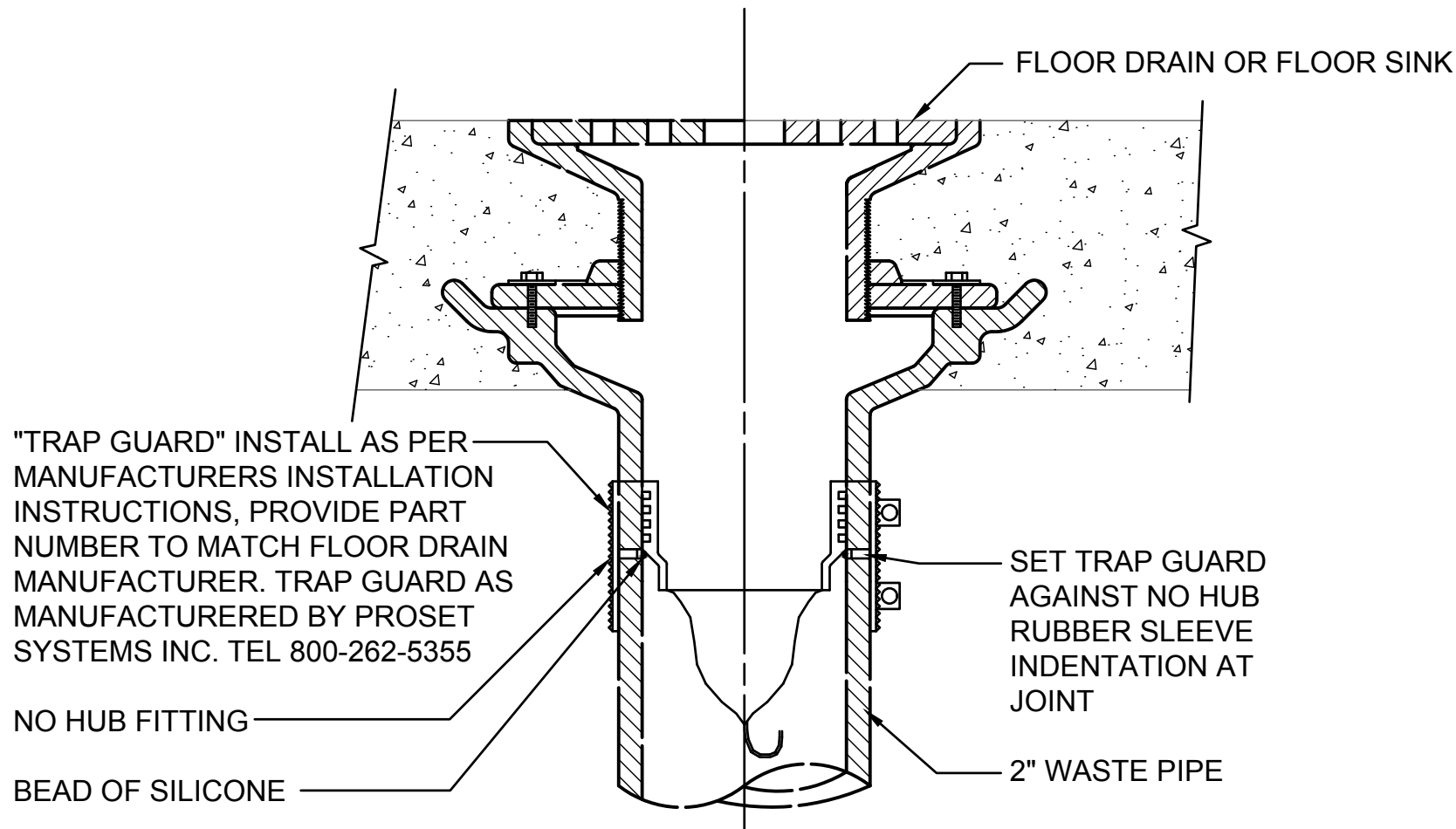
DRAWN BY: CHECKED:

SHEET TITLE:
**PLUMBING
LARGE SCALE
PLANS**

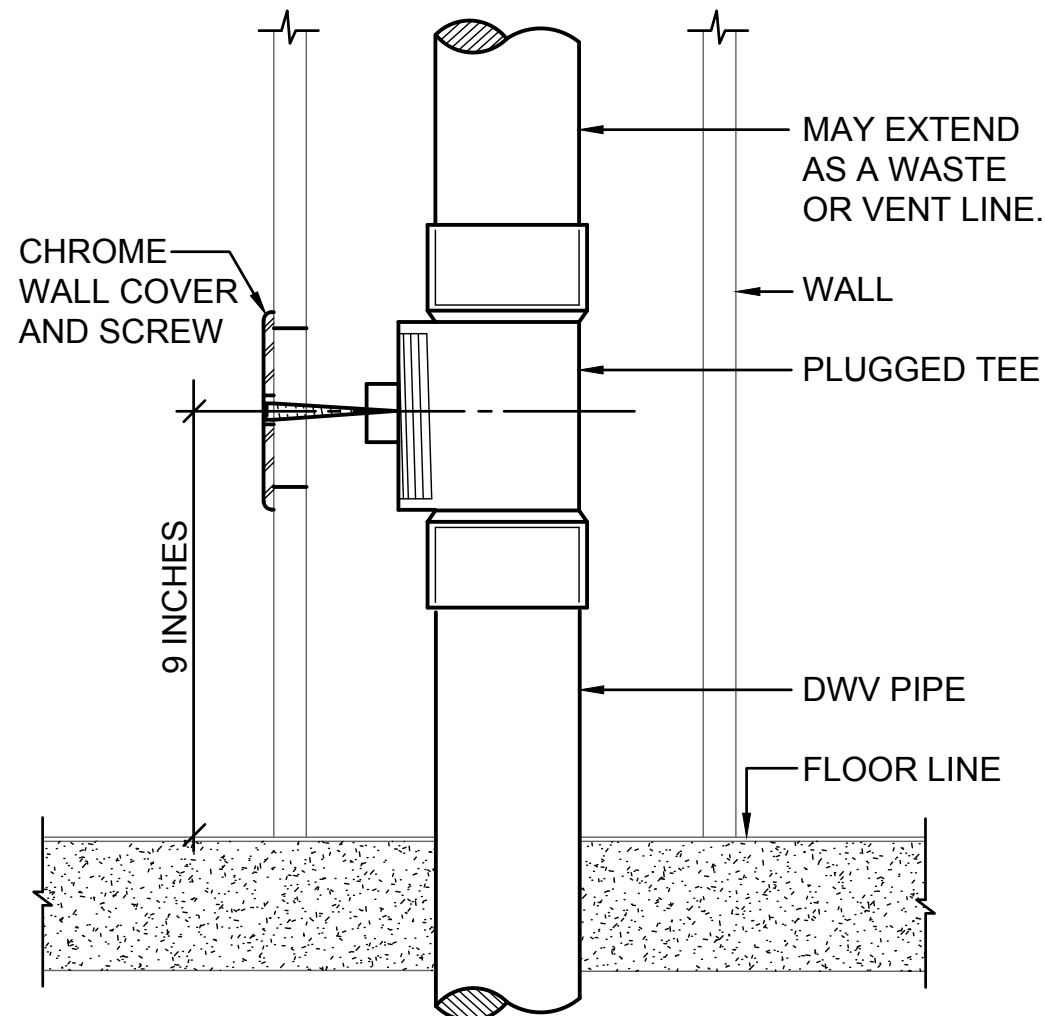
SHEET:

P401

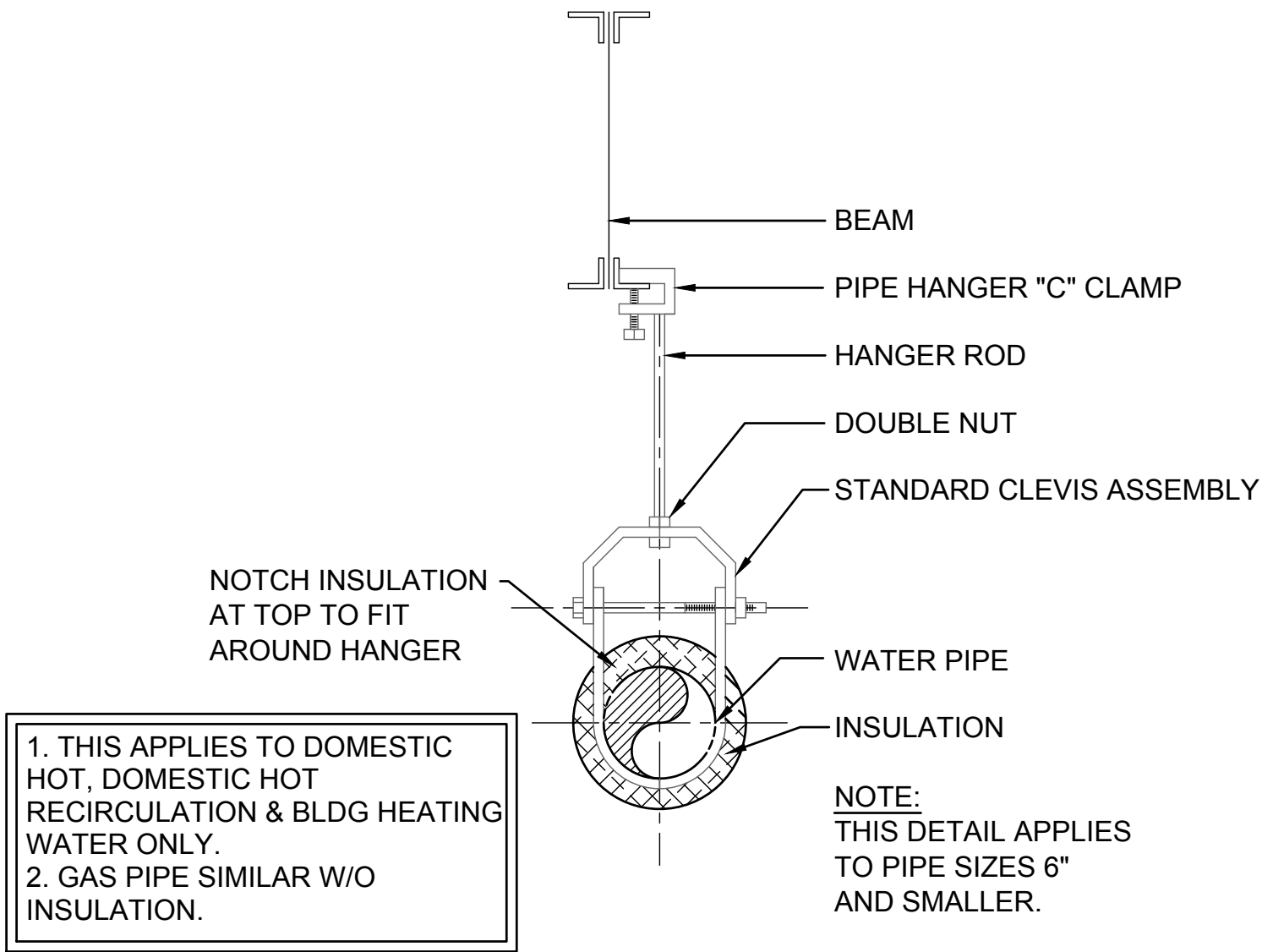
PLUMBING FIXTURE SCHEDULE							
MARK	FIXTURE	PIPE SIZES IN					REMARKS
		WASTE	TRAP	VENT	CW	HW	
WC-1	WATER CLOSET	4	INTEG	2	1		BATTERY-POWERED FLUSH VALVE, FLOOR MTD
WC-2	WATER CLOSET	4	INTEG	2	1		BATTERY-POWERED FLUSH VALVE, FLOOR MTD, ADA
U-1	URINAL	3	INTEG	2	0.75		BATTERY-POWERED FLUSH VALVE, WALL MTD
U-2	URINAL	3	INTEG	2	0.75		BATTERY-POWERED FLUSH VALVE, WALL MTD, ADA
L-1	LAVATORY	1.5	1.25	1.5	0.5	0.5	BATTERY-POWERED FAUCET, WALL MTD, ADA, TMV COMPLYING WITH ASSE 1070
FD-1	FLOOR DRAIN	2	2	2			DEEP SEAL P-TRAP, TRAP GUARD
SS-1	SERVICE SINK	3	3	2	0.5	0.5	FLOOR TYPE (24X24 SQUARE)
DF-1	DRINKING FOUNTAIN	1.5	1.5	1.5	0.5		115V/1PH, BLEVEL, ADA, WITH BOTTLE FILLER
HA-1	WATER HAMMER ARRESTOR				1		SIZE PER MFG RECCOMENDATIONS



3 TRAP GUARD TRAP SEAL DETAIL
SCALE: N.T.S.

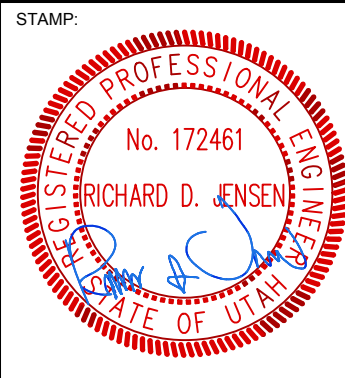


1 WALL CLEANOUT DETAIL
SCALE: N.T.S.



2 PIPE HANGER DETAIL
SCALE: N.T.S.

bradley gygi architect
& associates, pllc
PO Box 670408 | Salt Lake City, UT 84152
801-747-2451



HARRISVILLE DI INTERIOR REMODEL
WELFARE DI UTAH NORTH /
NORTHWEST REGION OFFICE
435 NORTH WALL AVE.
HARRISVILLE, UT

PROJECT FOR:
THE CHURCH OF
JESUS CHRIST
OF LATTER-DAY SAINTS

PROJECT NUMBER: 500021624010101
DATE: 15 SEP 2025
PROPERTY NUMBER: 5000216

DRAWN BY:	CHECKED:
-----------	----------

SHEET TITLE:
PLUMBING
DETAILS &
SCHEDULES

SHEET:
P501

DAVID L. JENSEN & ASSOCIATES
MECHANICAL ENGINEERS
547 WEST 500 SOUTH SUITE #140
BOUNTIFUL, UTAH 84010
PHONE: (801) 294-9299

bradley gygi architect
& associates, pllc

PG Box 670468 | Salt Lake City, UT 84162

801-747-2451

gygi

BD

STAMP:

REGISTERED PROFESSIONAL ENGINEER

No. 172461

RICHARD D. JENSEN

STATE OF UTAH

HARRISVILLE DI INTERIOR REMODEL

WELFARE DI UTAH NORTH /

NORTHWEST REGION OFFICE

435 NORTH WALL AVE.

HARRISVILLE, UT

PROJECT FOR:

THE CHURCH OF

JESUS CHRIST

OF LATTER-DAY SAINTS

PROJECT NUMBER:
500021624010101

DATE:
15 SEP 2025

PROPERTY NUMBER:
5000216

DRAWN BY:

CHECKED:

SHEET TITLE:

MECHANICAL
LEGEND AND
GENERAL
NOTES

SHEET:

M001

DAVID L. JENSEN & ASSOCIATES

MECHANICAL ENGINEERS

547 WEST 500 SOUTH SUITE #140

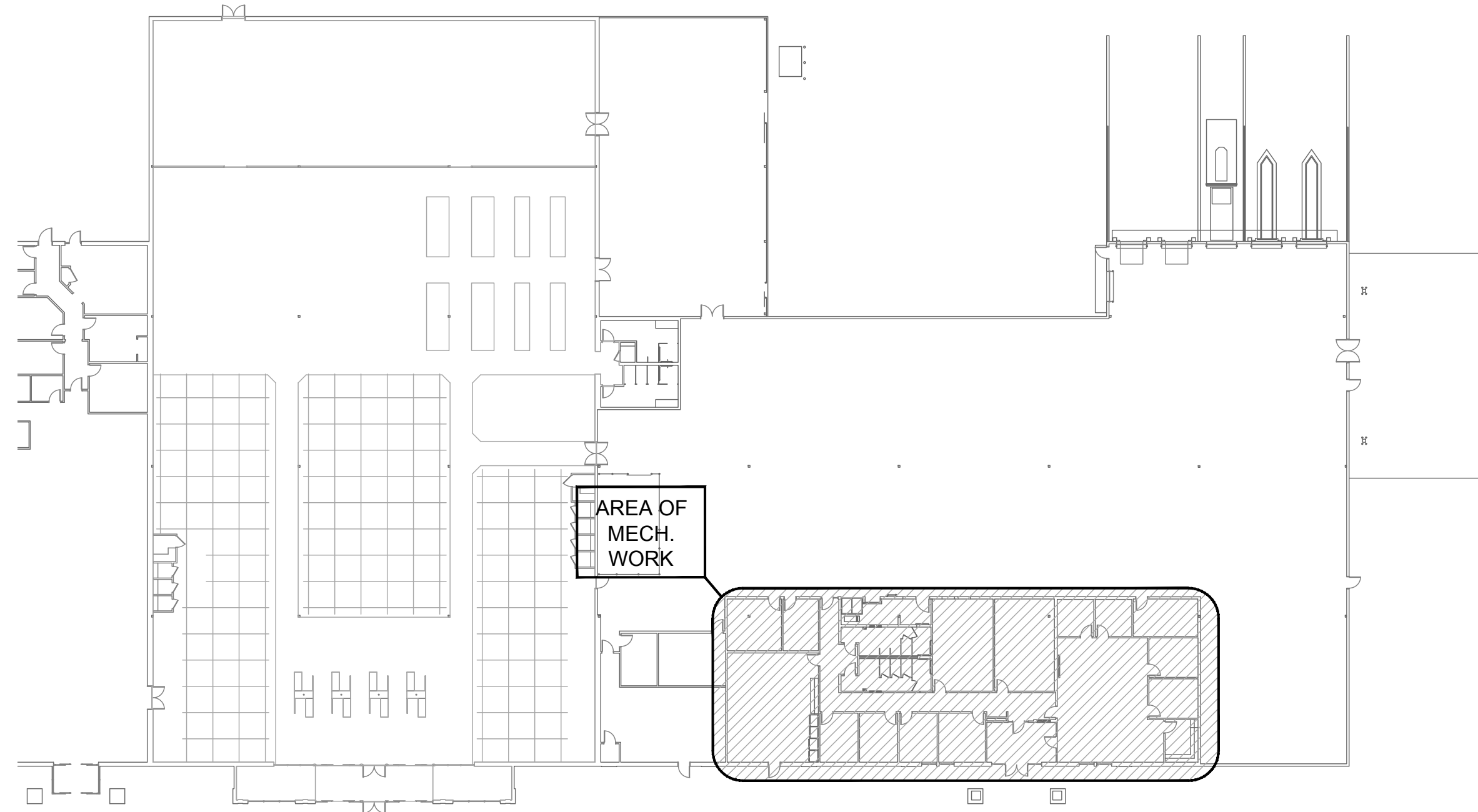
BOUNTIFUL, UTAH 84010

PHONE: (801) 294-9299

HVAC GENERAL NOTES			
1.	CONTRACTOR SHALL FURNISH AND INSTALL ALL ITEMS WHICH ARE OBVIOUSLY AND REASONABLY NECESSARY TO COMPLETE THE INSTALLATION.	8.	COORDINATE EXACT LOCATION OF AIR DISTRIBUTION DEVICES WITH CEILING GRID AND LIGHT FIXTURE LAYOUT.
2.	THE CONTRACTOR SHALL TAKE OUT PERMITS, PROCURE CERTIFICATES AND PAY FEES CONNECTED THEREWITH.	9.	ALL RECTANGULAR SUPPLY DUCT ELBOWS SHALL HAVE TURNING VANES.
3.	BIDDERS SHALL VISIT THE SITE AND BECOME FAMILIAR WITH EXISTING CONDITIONS SURROUNDING THE PROJECT PRIOR TO BIDDING.	10.	RECTANGULAR DUCT SIZES SHOWN INDICATE REQUIRED AIRFLOW SIZES. SHEETMETAL CONTRACTOR SHALL INCREASE SIZES TO ALLOW FOR LINER.
4.	THE CONTRACTOR IS REFERRED TO ARCHITECTURAL, STRUCTURAL, ELECTRICAL PLANS AND SPECIFICATIONS. SUCH PLANS AND SPECIFICATIONS ARE CONTRACT DOCUMENTS.	11.	NO DUCTWORK SHALL BE FABRICATED WITHOUT FIRST FIELD VERIFYING THAT THE AVAILABLE SPACE UNDER ACTUAL JOB CONDITIONS WILL PERMIT INSTALLATION OF THE DUCTWORK WITHOUT STRUCTURAL OR OTHER CONFLICTS. DUCT SIZES THAT REQUIRE ON THE JOB MODIFICATION DUE TO UNFORESEEN OBSTRUCTIONS SHALL BE MADE WITHOUT ANY ADDITIONAL COST TO THE OWNER.
5.	DRAWINGS ARE DIAGRAMMATIC AND INTENDED TO SHOW APPROXIMATE LOCATIONS.	12.	MAINTAIN A 10'-0" BETWEEN OUTSIDE AIR INTAKES AND PLUMBING/EXHAUST VENTS.
6.	ALL MECHANICAL HVAC WORK SHALL BE PREFORMED IN STRICT ACCORDANCE WITH THE LATEST EDITION OF THE PREVAILING STATE MECHANICAL/PLUMBING AND BUILDING CODES AS WELL AS ALL REGULATIONS THAT MAY APPLY. IN CASE OF CONFLICT BETWEEN THE CONTRACT DOCUMENTS AND A GOVERNING CODE OR ORDINANCE THE MORE STRINGENT SHALL APPLY.	13.	WHERE RATED ASSEMBLIES ARE PENETRATED BY DUCTS, PIPES OR OTHER ITEMS, THE "F" AND "T" RATING SHALL BE MAINTAINED WITH REQUIRED UL LISTED ASSEMBLIES OR SEALANTS AS REQUIRED BY THE APPLICABLE CODE OR AUTHORITY HAVING JURISDICTION.
7.	DIFFUSER RUN OUTS SHALL BE THE SAME AS LISTED DIFFUSER NECK SIZE, UNLESS OTHERWISE NOTED.		

MECHANICAL ABBREVIATIONS							
AD	ACCESS DOOR	DEG	DEGREE FAHRENHEIT	HPS	HIGH PRESSURE STEAM	PD	PRESSURE DROP
AFF	ABOVE FINISHED FLOOR	DEMO	DEMOLITION	HR	HOUR	PERF	PERFORATE(D)
AHU	AIR HANDLING UNIT	DET	DETAIL	HTG	HEATING	PH	PHASE
AI	ANALOG INPUT	DH	DUCT HEATER	HVAC	HEATING, VENTILATING & AIR CONDITIONING	PLUM	PLUMBING
ALT	ALTERNATE	DI	DIGITAL INPUT			PPM	PARTS PER MILLION
AMB	ANBIENT	DIA	DIAMETER	HW	HOT WATER	PRV	PRESSURE REDUCING VALVE
AMP	AMPERE	DIM	DIMENSION	HWR	HOT WATER HEATING	PSI	POUNDS PER SQUARE INCH
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE	DIV	DIVISION		RETURN	RA	RETURN AIR
AO	ANALOG OUTPUT	DMPR	DAMPER	HWS	HOT WATER HEATING SUPPLY	RAD	RADIATED
APD	AIR PRESSURE DROP	DO	DIGITAL OUTPUT			RCP	RECIRCULATION PUMP
APPROX	APPROXIMATE	DRN	DRAIN	HZ	HERTZ	REF	ROOFTOP EXHAUST FAN
ASME	AMERICAN SOCIETY OF MECHANICAL ENGINEERS	DS	DOWNSPOUT	IN	INCHES	REQD	REQUIRED
ASL	ABOVE SEA LEVEL	EA	EXHAUST AIR	INWC	INCHES OF WATER COLUMN	REV	REVISION
AVG	AVERAGE	EF	EXHAUST FAN	INWG	INCHES OF WATER GAUGE	RH	RELATIVE HUMIDITY
B	BOILER	EFF	EFFICIENCY	IU	INDOOR UNIT	RL	REFRIGERANT LIQUID
BOD	BOTTOM OF DUCT	EQ	EQUAL	KW	KILOWATT	RBPB	REDUCED PRESSURE BACKFLOW PREVENTER
BOP	BOTTOM OF PIPE	EQUIP	EQUIPMENT	LAT	LEAVING AIR TEMPERATURE	RPM	REVOLUTIONS PER MINUTE
BTU	BRITISH THERMAL UNIT	ERV	ENERGY RECOVERY VENTILATION	LB	POUND	RS	REFRIGERANT SUCTION
BTU	BRITISH THERMAL UNIT	ESP	EXTERNAL STATIC PRESSURE	LPC	LOW PRESSURE CONDENSATE	SA	SUPPLY AIR
BTU	BTU PER HOUR	ET	EXPANSION TANK	LPS	LOW PRESSURE STEAM	SCHED	SCHEDULE
C	COMMON	EWI	ENTERING WATER TEMPERATURE	LWT	LEAVING WATER TEMPERATURE	SEN	SENSIBLE
C	CONVECTOR	EXH	EXHAUST	MAU	MAKEUP AIR UNIT	SL	SEA LEVEL
CA	COMBUSTION AIR	EXT	EXISTING	MAX	MAXIMUM	SPEC	SPECIFICATION
CAP	CAPACITY	F	FAHRENHEIT	MBH	THOUSAND BRITISH THERMAL UNITS/HOUR	SSHP	SPLIT SYSTEM HEAT PUMP
CC	COOLING COIL	F	FURNACE	STD	STANDARD	TEMP	TEMPERATURE
CEF	CEILING MTD EXHAUST FAN	FCU	FAN COIL UNIT	TSP	TOTAL STATIC PRESSURE	TSTAT	THERMOSTAT
CFM	CUBIC FEET PER MINUTE	FLR	FLOOR	MECH RM	MECHANICAL ROOM	TW	TEMPERED WATER
CHWR	CHILLED WATER RETURN	FLEX	FLEXIBLE	MIN	MINIMUM	TYP	TYPICAL
CHWS	CHILLED WATER SUPPLY	FPM	FEET PER MINUTE	MISC	MISCELLANEOUS	UH	UNIT HEATER
CO2	CARBON DIOXIDE	FPVAV	FAN POWERED VAV	MTD	MOUNTED	V	VOLT
COMB	COMBUSTION	FT	FEET	NC	NOISE CRITERIA	VAV	VARIABLE AIR VOLUME
CONTR	CONTRACTOR	GALV	GALVANIZED	NC	NORMALLY CLOSED	VD	VOLUME DAMPER
CU	CONDENSING UNIT	GPM	GALLONS PER MINUTE	NIC	NOT IN CONTRACT	VERT	VERTICAL
CU FT	CUBIC FEET	GHR	GLYCOL HEATING RETURN	NOM	NOMINAL	VFD	VARIABLE FREQUENCY DRIVE
CU YD	CUBIC YARDS	GHS	GLYCOL HEATING SUPPLY	NTS	NOT TO SCALE	VOL	VOLUME DAMPER
CUH	CABINET UNIT HEATER	H	FUME HOOD	OA	OUTSIDE AIR	W/	WITH
CV	CONSTANT VOLUME	HORIZ	HORIZONTAL	OBD	OPPOSED BLADE DAMPER	W/O	WITHOUT
CW	COLD WATER	HP	HIGH PRESSURE	OU	OUTDOOR UNIT	WB	WET BULB
CWR	CONDENSOR WATER RETURN	HP	HORSEPOWER	P	PUMP	WPD	WATER PRESSURE DROP
CWS	CONDENSOR WATER SUPPLY	HP	HEAT PUMP	PCF	POUNDS PER CUBIC FEET		
DB	DRY BULB						
DD	DUAL DUCT BOX						

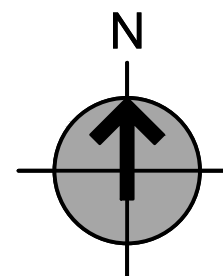
MECHANICAL LEGEND						NOTE: NEW ITEMS SHOWN DARK, EXISTING ITEMS SHOWN LIGHT. ALL ITEMS MAY NOT APPEAR ON DRAWINGS.	
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION		
	AUTOMATIC 2-WAY VALVE		UNION		BRANCH DUCT TAKE-OFF WITH MANUAL DAMPER		
	AUTOMATIC 3-WAY VALVE		VENTURI		DUCT FLEXIBLE CONNECTION		
	AUTOMATIC BALL FLOAT VENT		WATER FLOW SWITCH		TURNING VANES		
	BALL VALVE		CONDENSER WATER SUPPLY		DUCT TEE CONNECTION		
	CAPPED END W/BALL VALVE		CONDENSER WATER RETURN		DUCT TRANSITION		
	CHECK VALVE		CHILLED WATER SUPPLY		SQUARE TO ROUND DUCT TRANSITION		
	COMBINATION BALANCING VALVE/ SHUTOFF		CHILLED WATER RETURN		AUTOMATIC DAMPER		
	DEVICE IN DROP		HOT WATER HTG. SUPPLY		VOLUME DAMPER		
	DIRECTION OF SLOPE		HOT WATER HTG. RETURN		BACK-DRAFT DAMPER		
	FLANGED BUTTERFLY VALVE		HIGH PRESSURE STEAM PIPING		DUCT ACCESS DOOR		
	FLANGED ECCENTRIC REDUCER		LOW PRESSURE STEAM PIPING		RETURN AIR, RISE AND DROP		
	FLANGED UNION		LOW PRESSURE CONDENSATE PIPING		SUPPLY AIR, RISE AND DROP		
	FLEXIBLE CONNECTION		GLYCOL HEATING SUPPLY PIPING		EXHAUST AIR, RISE AND DROP		
	FLOW DIRECTION		GLYCOL HEATING RETURN PIPING		OUTSIDE AIR, RISE AND DROP		
	FLOW METER		REFRIGERANT PIPING - LIQUID		RELIEF AIR, RISE AND DROP		
	GATE VALVE		REFRIGERANT PIPING - SUCTION		COMBUSTION AIR, RISE AND DROP		
	GLOBE VALVE		CONDENSATE DRAIN PIPING		ROUND DUCT, RISE AND DROP		
	IMMERSION WELL		REFRIGERANT SHUT-OFF VALVE		FLAT OVAL DUCT, RISE AND DROP		
	INLINE PUMP		EXPANSION VALVE		FLAT OVAL DUCT		
	MANUAL VENT WITH BALL VALVE		MOISTURE INDICATING SIGHT GLASS		FIRE DAMPER		
	P & T PLUG IN IMMERSION WELL		FLEXIBLE CONNECTION		FIRE SMOKE DAMPER		
	PIPE DROP		FILTER DRIER		FLEXIBLE DUCT		
	PIPE INLINE DROP		PIPE SUPPORT		AIR DEVICE		
	PIPE INLINE RISE		EXTERIOR PIPE SUPPORT		AIR DEVICE CFM		
	PIPE RISER		EXTERIOR PIPE SUPPORT		KEYED NOTE		
	PNEUMATIC 2-WAY VALVE		DIRECTION OF SLOPE DOWN		EQUIPMENT CALLOUT		
	PRESSURE GUAGE		SUCTION LINE		DETAIL NUMBER SHEET DETAIL APPEARS		
	PRESSURE GAGE W/BALL VALVE		LIQUID LINE		LARGE SCALE NUMBER SHEET LARGE SCALE APPEARS		
	RELIEF VALVE		TRAP. ONE PIECE FACTORY FABRICATED		AIR FLOW DIRECTION		
	SCREWED CONCENTRIC REDUCER		THERMOSTAT		SECTION LETTER SHEET NUMBER		
	STEAM TRAP		SENSOR		ROOM NAME ROOM NUMBER		
	STRAINER		CO2 SENSOR		ACCESS DOOR		
	THERMOMETER		J-BOX		REVISION DELTA		
	THREADED HOSE CONNECTION		NEW CONNECTION				



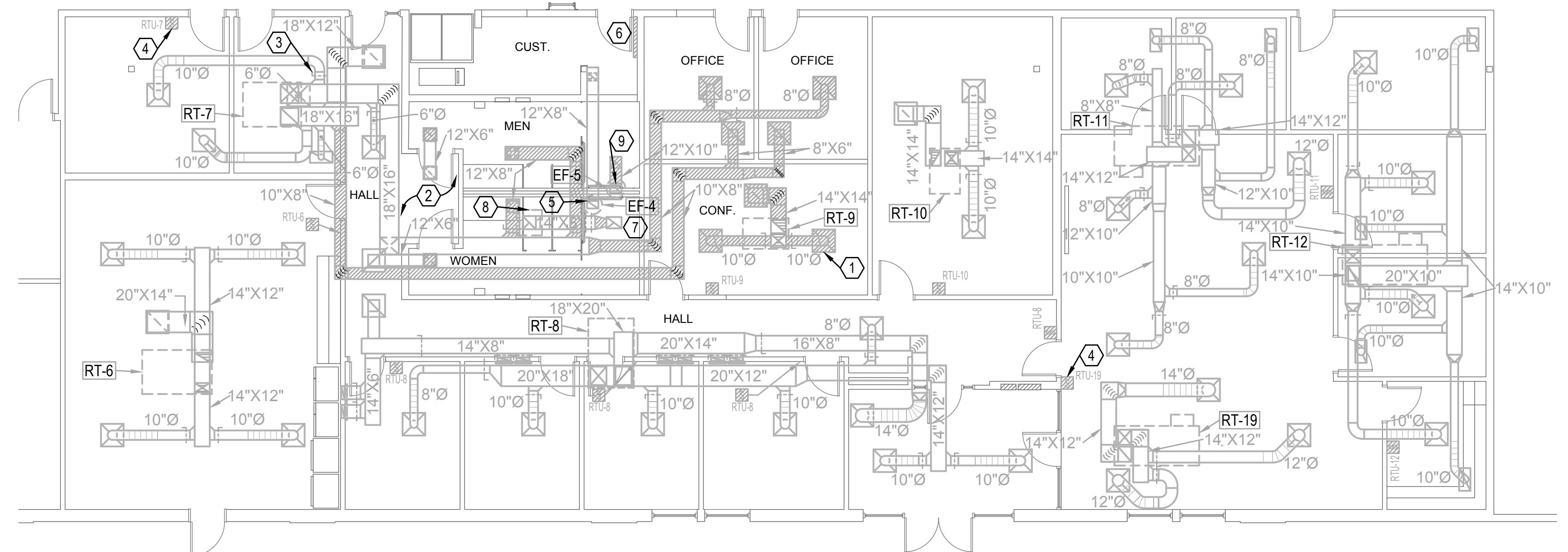
KEY FLOOR PLAN

SCALE: 1/32" = 1'-0"

1



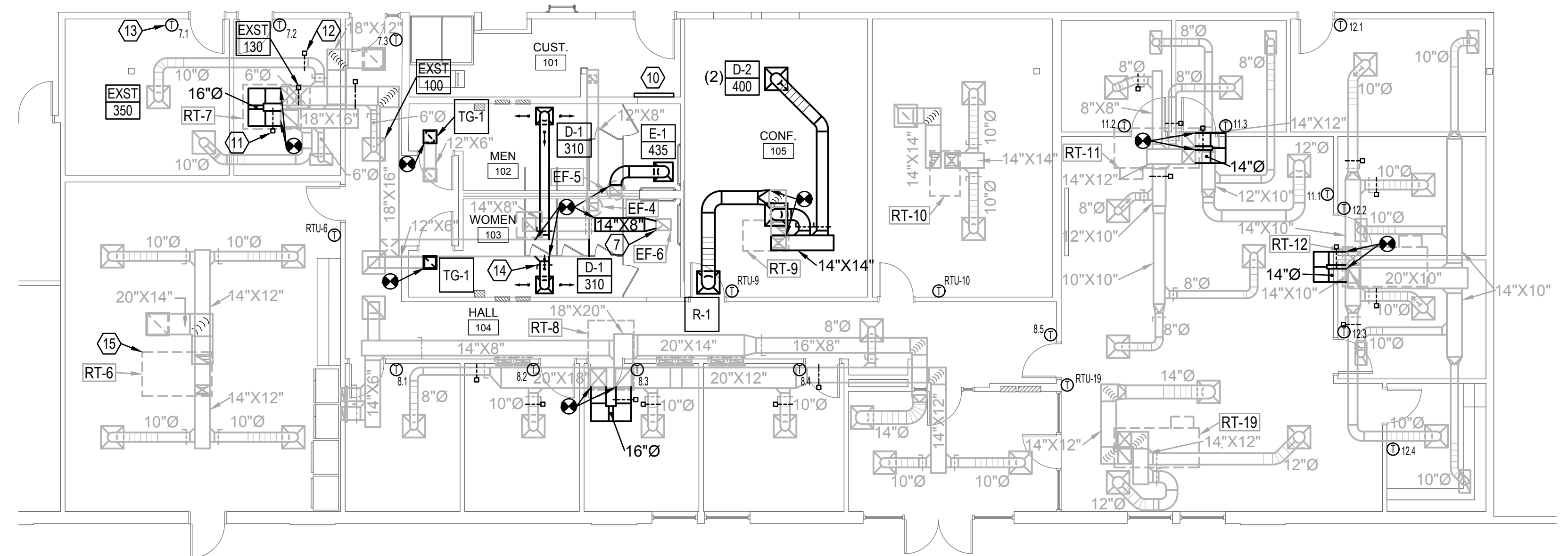
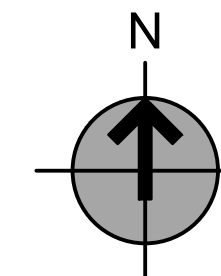
*NOTE: SEE ME SHEETS FOR MECHANICAL CONTROLS WORK



MECHANICAL DEMOLITION PLAN

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

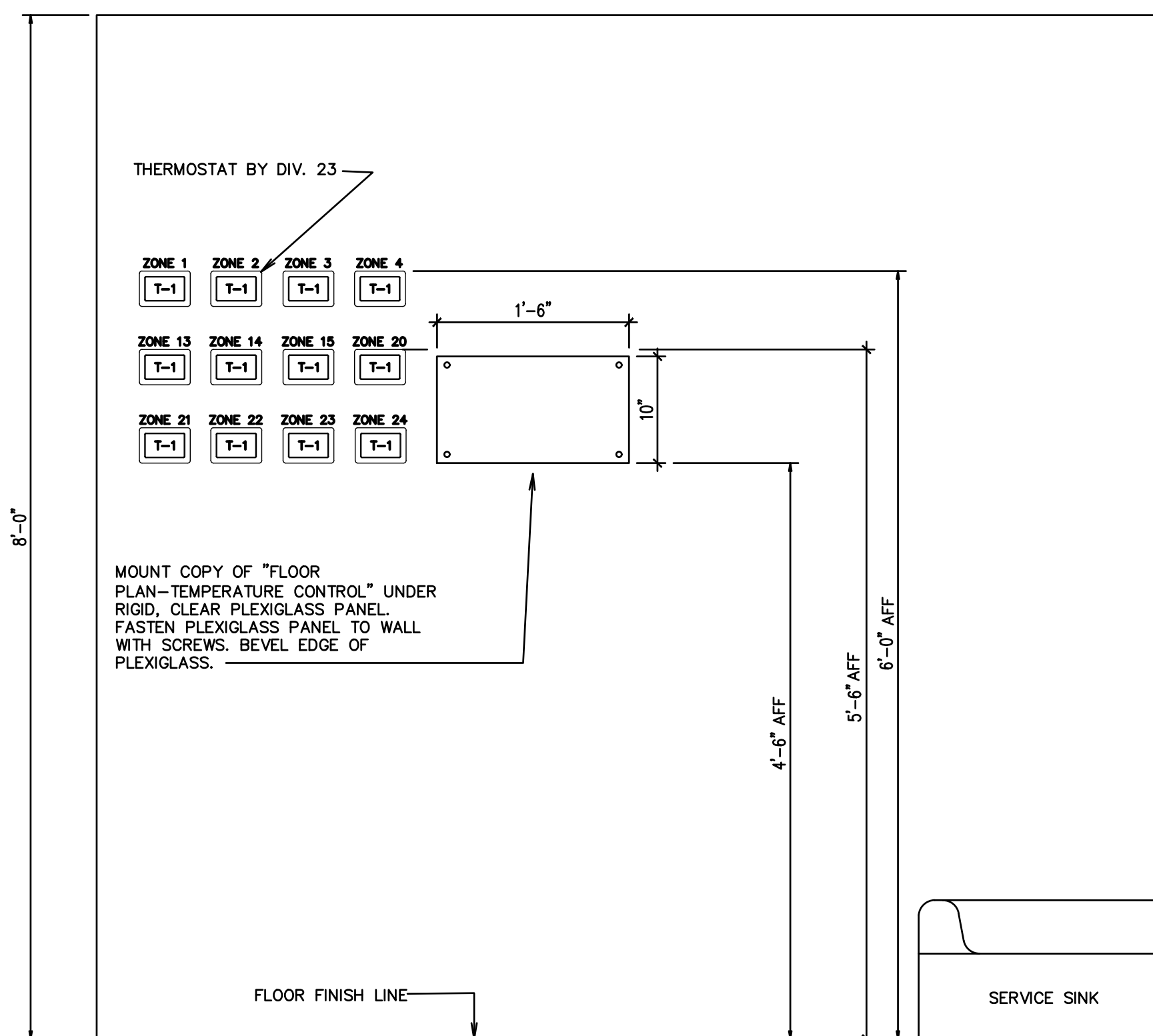
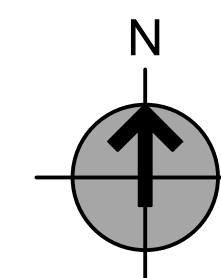
2



MECHANICAL REMODEL PLAN

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

3



THERMOSTAT ELEVATION DETAIL-CUSTODIAL ROOM 101

SCALE: NONE

NOTES:

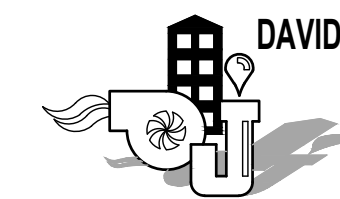
KEYED NOTES FOR SHEET M101

- 1 REMOVE EXISTING DIFFUSERS/GRILLES/DUCTWORK, ETC SHOWN HATCHED (TYP).
- 2 SHOWN IS EXISTING/ ESTIMATED FROM RECORD DRAWINGS. FIELD VERIFY (TYP).
- 3 VERIFY THAT ALL DIFFUSERS HAVE A MEANS FOR BALANCING AND PROVIDE DAMPERS AS NECESSARY. PROVIDE MEANS FOR REMOTE ADJUSTMENT IN AREAS WHERE INACCESSIBLE (TYP).
- 4 REMOVE EXISTING SENSOR (SHOWN HATCHED) (TYP).
- 5 EXISTING DUCT UP TO EF-4 (ABOVE) AND EXHAUST FAN TO REMAIN.
- 6 REMOVE EXISTING THERMOSTATS (SHOWN HATCHED) (TYP).
- 7 RELOCATE EXISTING EF-6 EXHAUST FAN AND RECONNECT.
- 8 EXISTING PENTHOUSE (ABOVE) SERVING EF-6 TO REMAIN.
- 9 EXISTING DUCT UP TO EF-5 (ABOVE) AND EXHAUST FAN TO REMAIN.
- 10 LOCATION OF NEW THERMOSTAT GROUP. SEE A/M101.
- 11 NEW BAROMETRIC BYPASS DAMPER, SIZE TO MATCH DUCT SIZE. SEE SPECIFICATION. FIELD VERIFY CONNECTION POINTS TO EXISTING DUCT (TYP).

MECHANICAL REMODEL PLAN

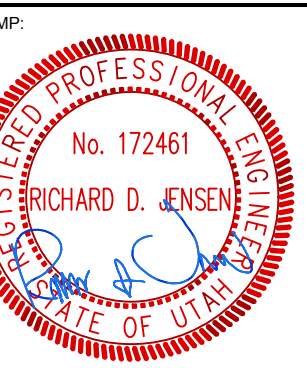
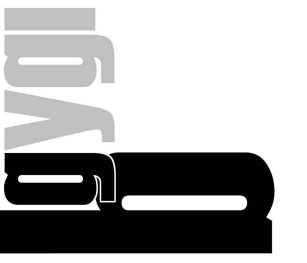
SCALE: 1/8" = 1'-0"

- 12 NEW ZONE CONTROL DAMPER, SIZE TO MATCH DUCT SIZE. SEE SPECIFICATION, FIELD VERIFY CONNECTION TO EXISTING DUCT (TYP).
- 13 NEW ZONE THERMOSTAT, SEE CONTROL DRAWINGS (TYP).
- 14 BALANCE DAMPER (TYP).
- 15 EXISTING ROOFTOP UNITS TO REMAIN (TYP).



DAVID L. JENSEN & ASSOCIATES
MECHANICAL ENGINEERS
547 WEST 500 SOUTH SUITE #140
BOUNTIFUL, UTAH 84010
PHONE: (801) 294-9299

bradley gygi architect
& associates, pllc



HARRISVILLE DI INTERIOR REMODEL
WELFARE DI UTAH NORTH /
NORTHWEST REGION OFFICE
435 NORTH WALL AVE.
HARRISVILLE, UT

PROJECT FOR:
THE CHURCH OF
JESUS CHRIST
OF LATTER-DAY SAINTS

PROJECT NUMBER:
500021624010101
DATE:
15 SEP 2025
PROPERTY NUMBER:
5000216

DRAWN BY: CHECKED:

SHEET TITLE:
MECHANICAL
PLANS

SHEET:

M101

EXHAUST FAN SCHEDULE

NOTES:

- | | |
|-----|--|
| (1) | SITE ELEVATION= 4300 FT ASL |
| (2) | POWER CHARACTERISTICS: 115 VOLTS, SINGLE PHASE, 60 HERTZ |
| (3) | EXISTING EQUIPMENT. DATA GIVEN IS FROM RECORD DRAWINGS/ESTIMATED AND FOR REFERENCE ONLY. FIELD VERIFY. |
| (4) | CONTROLLED BY DIVISION 26 |
| (5) | EXISTING UNIT TO REMAIN |
| (6) | EXISTING UNIT TO BE RELOCATED |

MARK	SERVES	CFM	EXT SP IN WG	RPM	WATTS	DRIVE	LOCATION	WEIGHT LBS	OPENING	MFG./MODEL	REMARKS
EF-4	CUSTODIAN 101	200	0.125	1126	550	BELT	ROOF	100	14X14 (CURB)	COOK 70 C2B	(1)(3)(4)(5)
EF-5	MEN 102	435	0.125	950	550	BELT	ROOF	100	14X14 (CURB)	COOK 100 C2B	(1)(3)(4)(5)
EF-6	WOMEN 103	435	0.26	1070	224	DIRECT	CEILING	70	8X8	GREENHECK SP252	(1)(3)(4)(6)

DIFFUSER, REGISTER, AND GRILLE LOUVER SCHEDULE

NOTES:

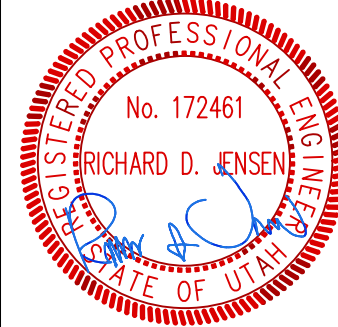
- (1) DIFFUSERS ARE 4-WB UNLESS DEFINED OTHERWISE ON THE DRAWINGS
(2) DUCT RUNOUT IS THE SAME SIZE AS THE NECK INLET.

MARK	SERVICE	TYPE	CFM RANGE	NECK INLET IN	FRAME	MODULE SIZE IN	MATERIAL	FINISH	NOTES	MANUFACTURER	MODEL NUMBER
D-1	SUPPLY	CEILING	200-360	10" DIA	TYPE 6	12X12	STEEL	WHITE	(1)(2)	PRICE	SMD
D-2	SUPPLY	CEILING	300-600	12" DIA	TYPE 3P	24X24	STEEL	WHITE	(1)(2)	PRICE	SMD
R-1	RETURN	CEILING	500-900	14" DIA	TYPE TB	24X24	STEEL	WHITE	(2)	PRICE	535
E-1	EXHAUST	CEILING	300-600	12" DIA	TYPE F	16X16	ALUM	WHITE	(2)	PRICE	635
TG-1	TRANSFER	CEILING	200-360	12"X12"	TYPE F	14X14	STEEL	WHITE	(2)	PRICE	535

**bradley gygi architect
& associates, plc**

PO Box 521048 | Salt Lake City, UT 84152
801.747.2451

STAMP



HARRISVILLE DI INTERIOR REMODEL
WELFARE DI UTAH NORTH /
NORTHWEST REGION OFFICE

435 NORTH WALL AVE.
HARRISVILLE, UT

PROJECT FOR:

**THE CHURCH OF
JESUS CHRIST
OF LATTER-DAY SAINTS**

PROJECT NUMBER:	500021624010101
DATE:	15 SEP 2025
PROPERTY NUMBER:	5000216

DRAWN BY:	CHECKED:
-----------	----------

SHEET TITLE:

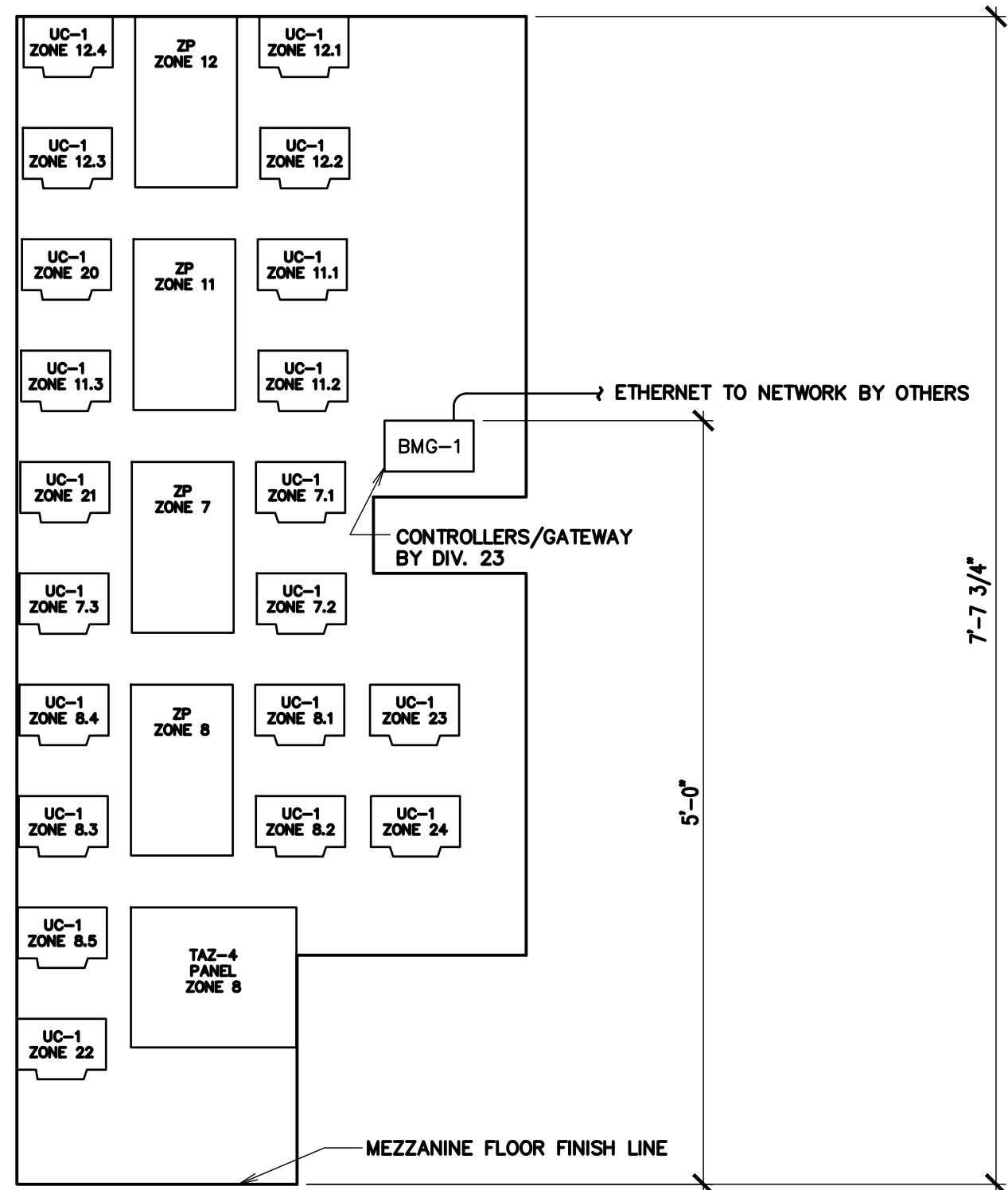
MECHANICAL
SCHEDULES

SHEET:

M601



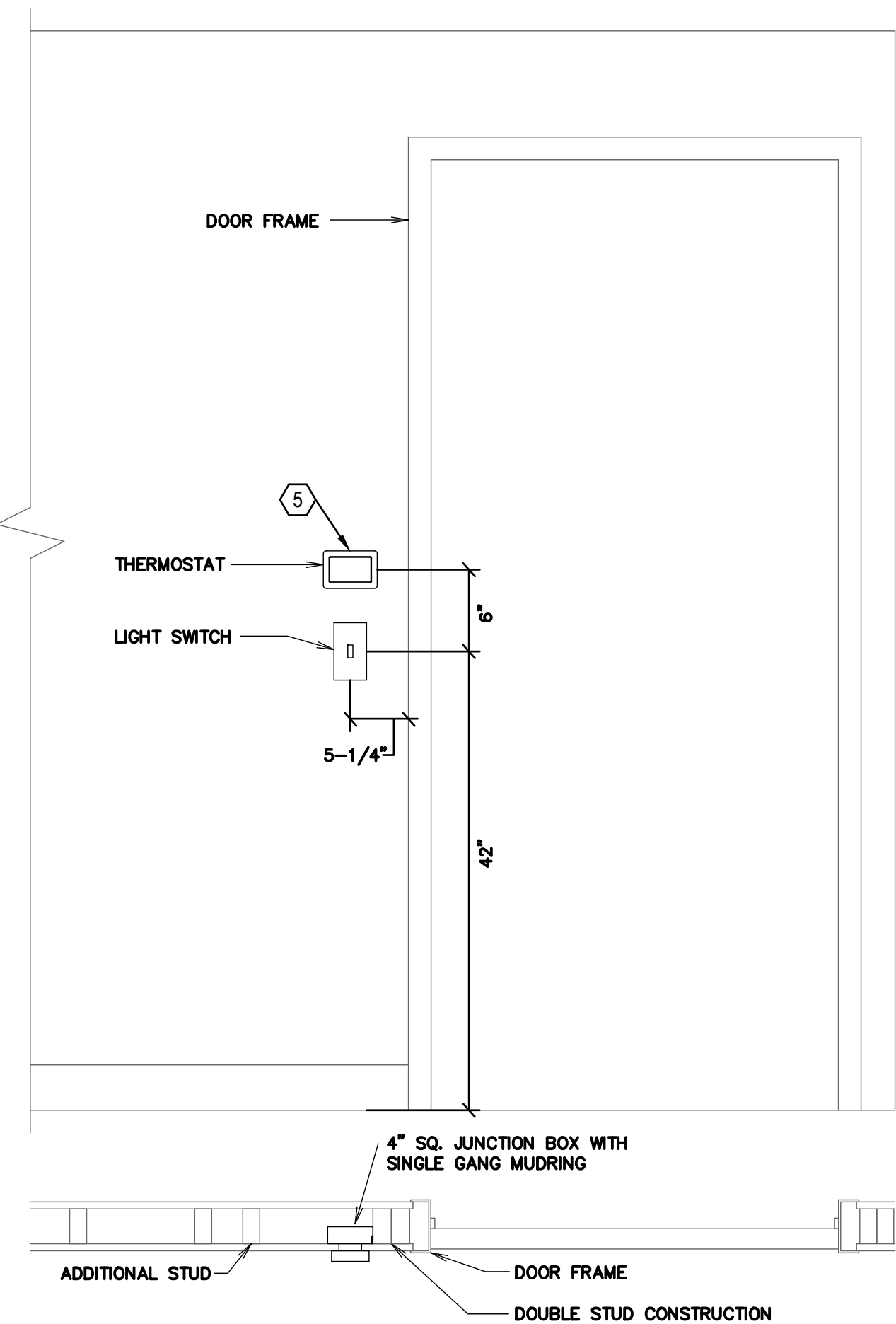
DAVID L. JENSEN & ASSOCIATES
MECHANICAL ENGINEERS
547 WEST 500 SOUTH SUITE #140
BOUNTIFUL, UTAH 84010
PHONE: (801) 294-9299



CONTROLLER ELEVATION DETAIL-MEZZANINE

SCALE 1" = 1'-0"

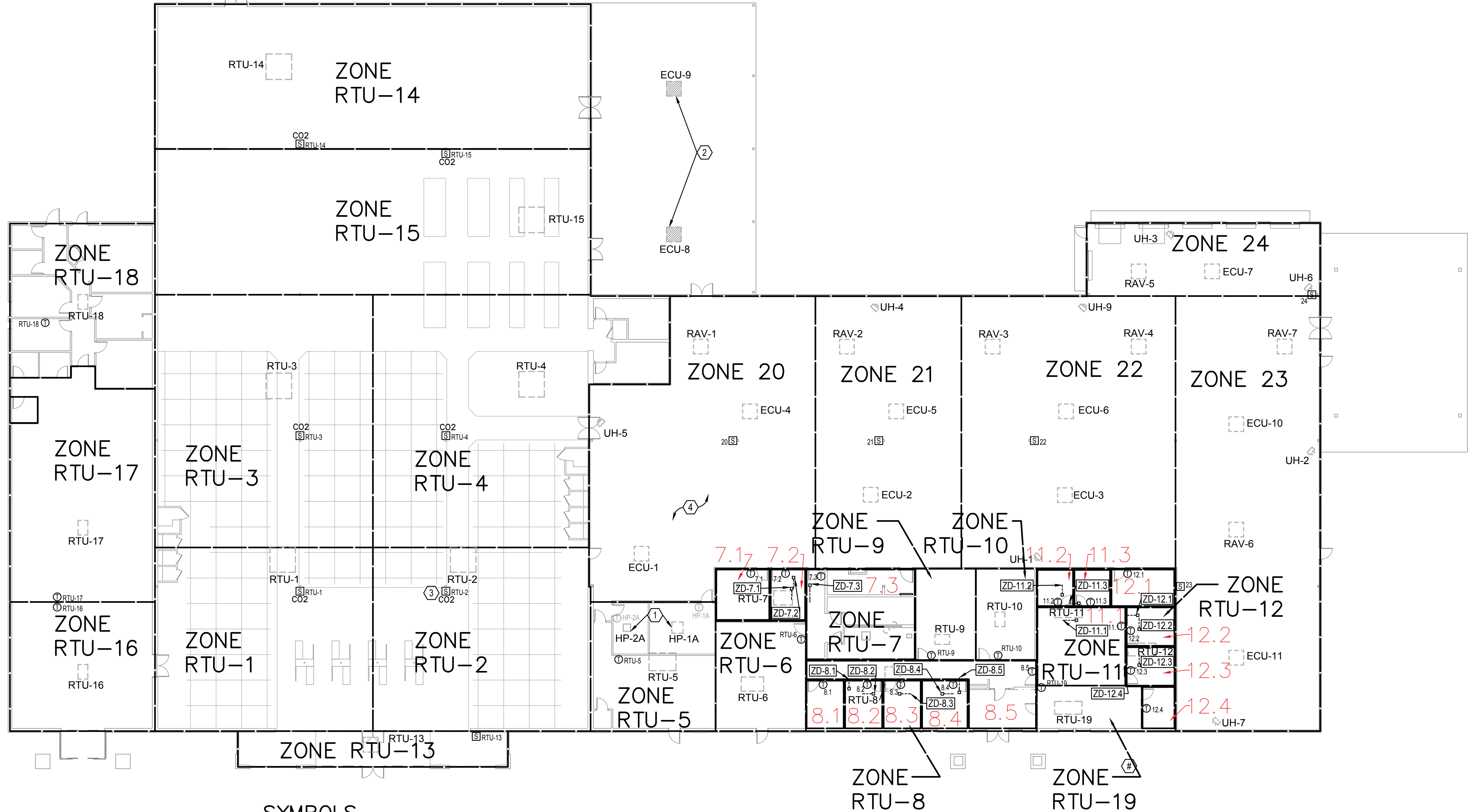
NOTES:
SEE FLOOR PLAN AT RIGHT FOR LOCATION OF THERMOSTATS
OR REMOTE ROOM SENSORS AND THE ZONE THEY CONTROL.



LIGHT SWITCH/SENSOR MOUNTING DETAIL

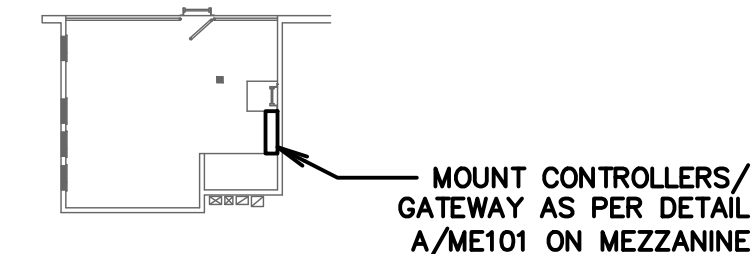
SCALE: 1" = 1'-0"

DOES NOT APPLY TO PROCESSING
OR RETAIL



SYMBOLS

- T THERMOSTAT OUTLET (DIV 26)
- BMG BUILDING MANAGEMENT GATEWAY (DIV 23)
- S SINGLE INDOOR AIR SENSOR OUTLET (DIV 26)
- S CO2 SINGLE INDOOR AIR SENSOR OUTLET WITH CO2 SENSING (DIV 26)
- ZP ZONE PANEL (DIV 23)
- ZD-* ZONE DAMPER (*=ZONE NUMBER)
- BPD BYPASS DAMPER.



MEZZANINE FLOOR PLAN

SCALE 1" = 1'-0"

AUTOMATIC TEMPERATURE CONTROL FLOOR PLAN

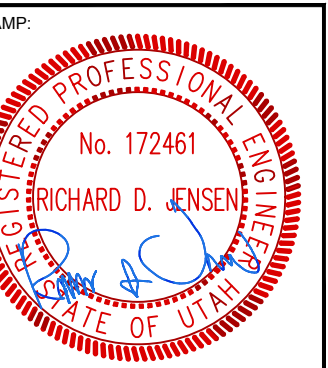
SCALE 1" = 1'-0"

KEYED NOTES FOR SHEET MH101

- EXISTING SPLIT SYSTEM ZONES. CONTROLS UNALTERED.
- REMOVE EXISTING EVAPORATIVE COOLERS ECU-8, 9 AND ASSOCIATED CONTROLS.
- ALL SENSORS LOCATED ON COLUMNS TO BE MOUNTED 78" FROM FLOOR TO SENSOR (TYP).
- ALL CONTROLS/WIRING ARE NEW UNLESS INDICATED OTHERWISE. REMOVE EXISTING CONTROLLERS/COMPONENTS AND WIRING. CONDUIT MAY BE REUSED AS APPROPRIATE. PROVIDE NEW CONDUIT AS REQUIRED.
- LOCATE SENSORS WITHIN 6" OF DOOR JAMB WHEN APPLICABLE. COORDINATE WITH ELECTRICAL.

bradley gygi architect
& associates, pllc
PO Box 521048 | Salt Lake City, UT 84152
801-747-2451

gygi



HARRISVILLE DI INTERIOR REMODEL
WELFARE DI UTAH NORTH /
NORTHWEST REGION OFFICE
435 NORTH WALL AVE.
HARRISVILLE, UT

PROJECT FOR:
THE CHURCH OF
JESUS CHRIST
OF LATTER-DAY SAINTS

PROJECT NUMBER:
500021624010101
DATE:
15 SEP 2025
PROPERTY NUMBER:
5000216

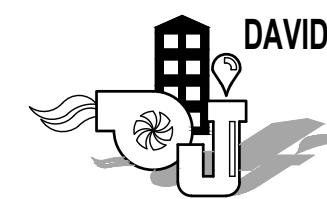
DRAWN BY: CHECKED:

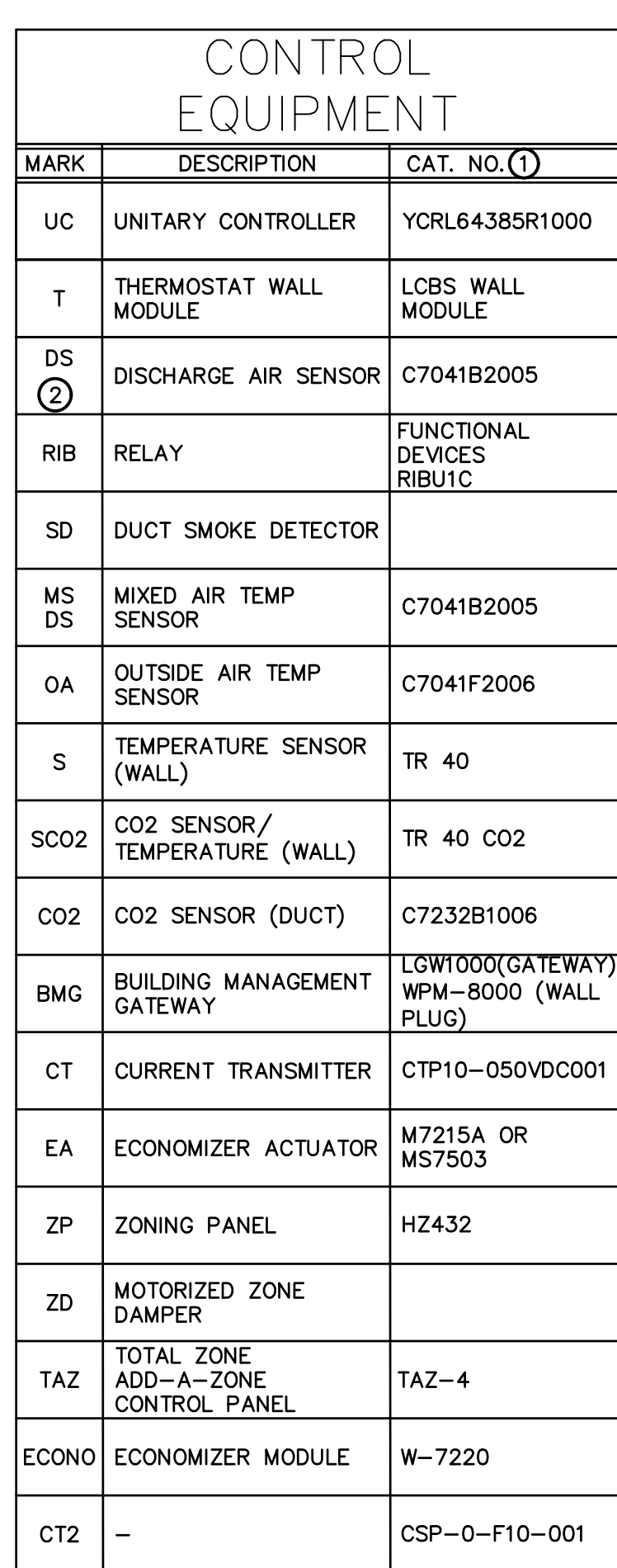
SHEET TITLE:
AUTOMATIC
TEMPERATURE
CONTROLS
FLOOR PLAN

SHEET:

ME101

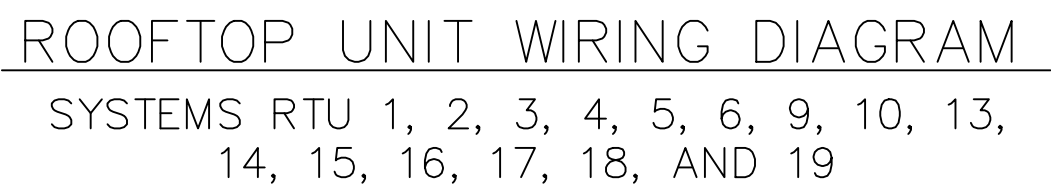
DAVID L. JENSEN & ASSOCIATES
MECHANICAL ENGINEERS
547 WEST 500 SOUTH SUITE #140
BOUNTIFUL, UTAH 84010
PHONE: (801) 294-9299

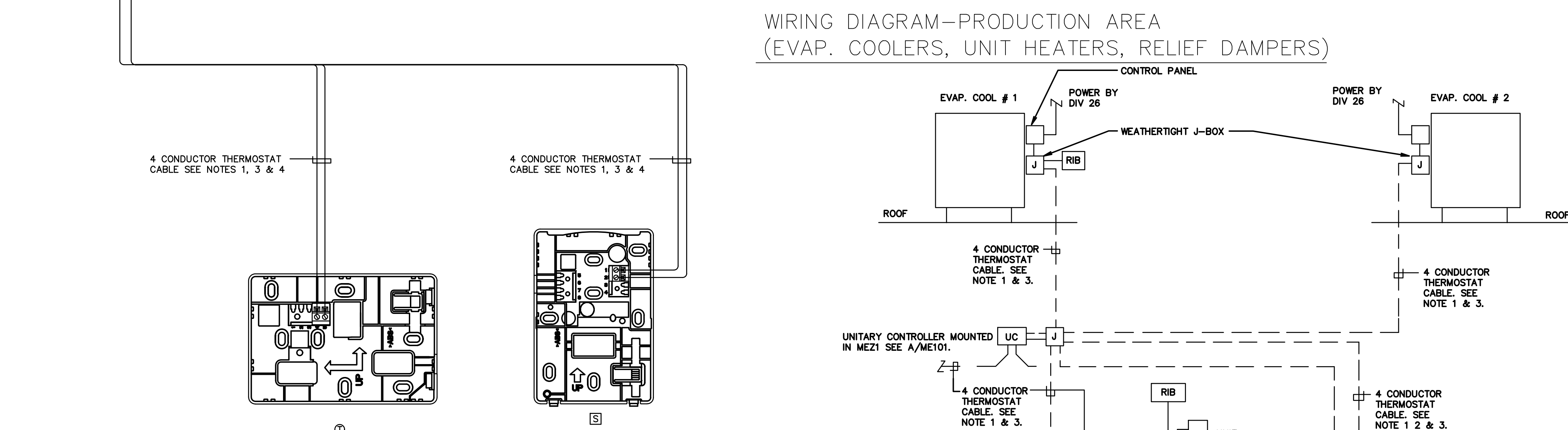




① ALL CATALOG NUMBERS SHOWN ARE HONEYWELL UNLESS NOTED OTHERWISE.
② LOCATE AS SHOWN ON MECHANICAL PLANS

- NOTES:**
1. THERMOSTAT CABLE— 4 OR 8 CONDUCTOR—18 AWG SOLID COPPER WIRE INSULATED WITH HIGH DENSITY POLYETHYLENE. CONDUCTORS PARALLEL ENCLOSED IN BROWN PVC JACKET. (22 AWG CABLE NOT ALLOWED).
 2. USE WIRE NUT CONNECTORS FOR SPLICING CONDUCTORS IN SPECIFIED LOCATIONS AND TYTON TYPE CRIMP CONNECTORS FOR TERMINAL CONNECTIONS. NO TERMINAL CONNECTORS REQUIRED AT THERMOSTAT OR SENSOR.
 3. DO NOT RUN ANY OTHER WIRING IN CONDUIT WITH THERMOSTAT CABLE.
 4. DO NOT SPLICE WIRE IN RUNS FROM SENSOR TO THERMOSTAT, THERMOSTAT TO ROOF TOP UNIT AND THERMOSTAT TO DISCHARGE AIR SENSOR.
 5. PROVIDE CHASE NIPPLE W/PLASTIC BUSHING WHEN ATTACHING J-BOX TO EQUIPMENT.
 6. PROVIDE CABLE CLAMP SO THAT CABLES CANNOT BE PULLED OUT OF J-BOX.
 7. MOUNT CO2/TEMPERATURE SENSORS IN ZONE 1-4 & 14-15 ON COLUMN AT 78" AFF.
 8. PROVIDE CT FOR ACTUAL NUMBER OF FANS AND COMPRESSORS.



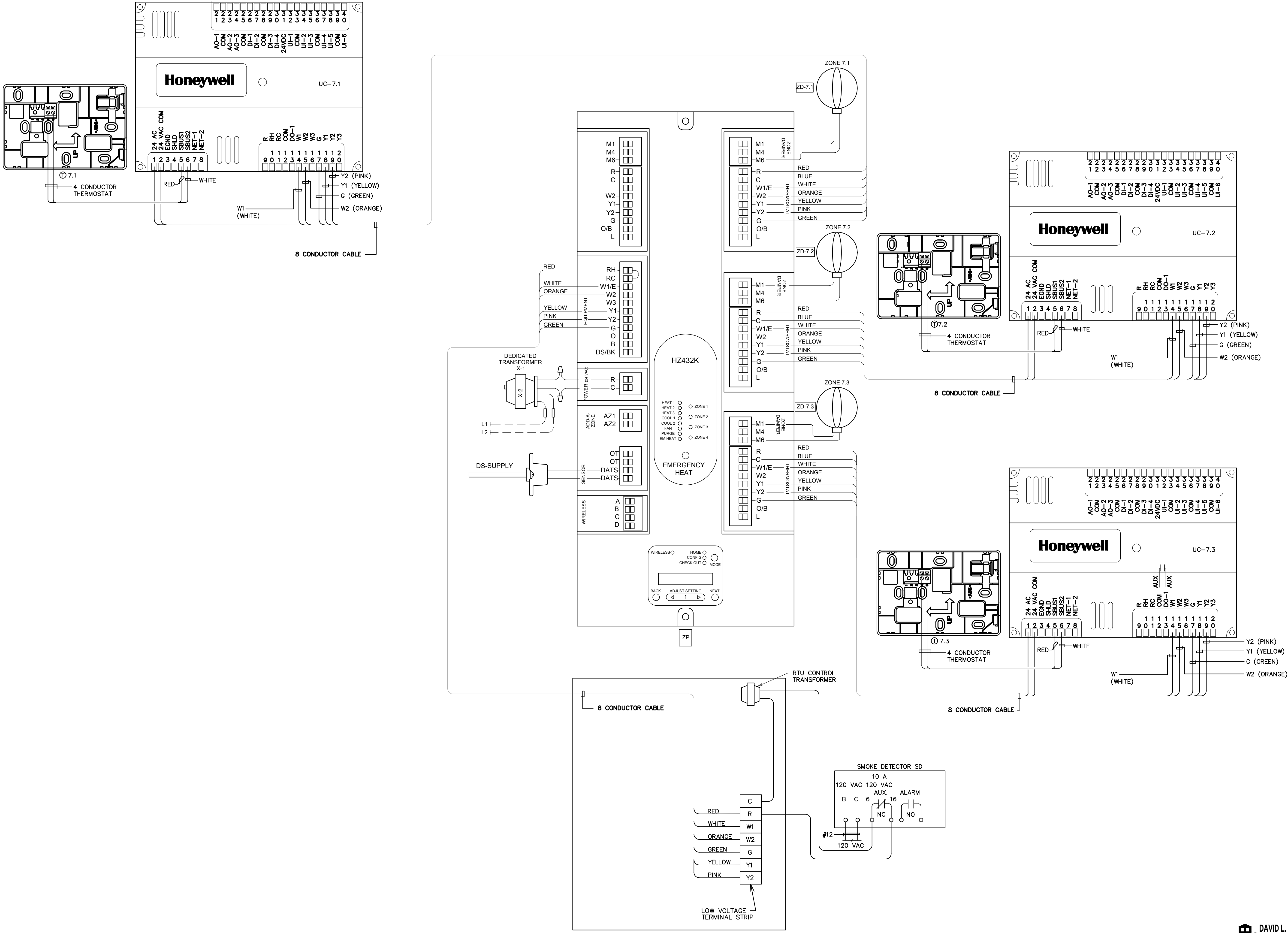


RACEWAY DIAGRAM—PRODUCTION AREA
(EVAP. COOLERS, UNIT HEATERS, RELIEF DAMPERS)

SYSTEMS 20, 21, 22, 23, AND 24

- NOTES:
1. THERMOSTAT CABLE - 18 AWG SOLID COPPER WIRE INSULATED WITH HIGH DENSITY POLYETHYLENE. CONDUCTORS PARALLEL, ENCLOSED IN BROWN PVC JACKET. (22 AWG CABLE NOT ALLOWED).
 2. USE WIRE NUT CONNECTORS FOR SPLICING CONDUCTORS AND TYTON TYPE CRIMP CONNECTORS FOR TERMINAL CONNECTIONS. NO TERMINAL CONNECTORS REQUIRED AT THERMOSTAT.
 3. DO NOT RUN ANY OTHER WIRING IN THIS CONDUIT EXCEPT THERMOSTAT CABLE.
 4. DO NOT SPLICE WIRE IN RUNS FROM SENSOR TO THERMOSTAT, THERMOSTAT TO UNIT HEATER, AND THERMOSTAT TO DISCHARGE AIR SENSOR.
 5. CONDUITS AND WIRE FEEDS TO MECHANICAL ROOFTOP UNITS ARE TO BE FROM WITHIN THE CURB. NO CONDUITS ARE ALLOWED TO PENETRATE ROOF STRUCTURE OR FACE OF CURB. SEE E/M5.2.

	JUNCTION BOX DIV 26
	UNITARY CONTROLLER DIV 26
	REMOTE SENSOR DIV 26
	THERMOSTAT DIV 26
	RELAY
---	RACEWAY DIV 26
---	RACEWAY DIV 23



ROOFTOP UNIT WIRING DIAGRAM (SYSTEM RTU-7)

bradley gygi architect & associates, pllc
PO Box 670408 | Salt Lake City, UT 84152
801-747-2451

STAMP:
REGISTERED PROFESSIONAL ENGINEER
No. 172461
RICHARD D. JENSEN
STATE OF UTAH

HARRISVILLE DI INTERIOR REMODEL
WELFARE DI UTAH NORTH /
NORTHWEST REGION OFFICE
435 NORTH WALL AVE.
HARRISVILLE, UT

PROJECT FOR:
THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS

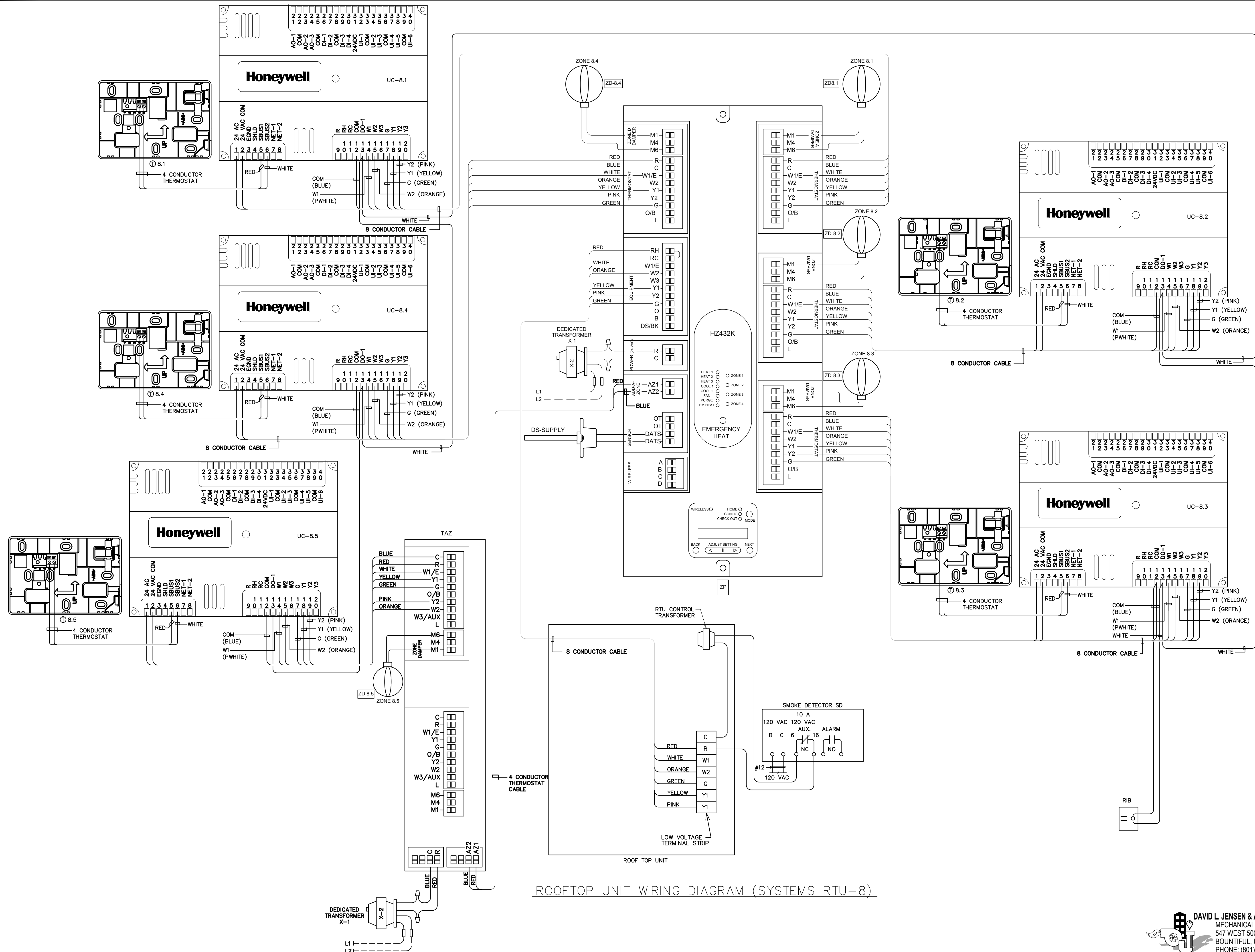
PROJECT NUMBER: 500021624010101
DATE: 15 SEP 2025
PROPERTY NUMBER: 5000216

DRAWN BY:	CHECKED:
-----------	----------

SHEET TITLE:
AUTOMATIC TEMPERATURE CONTROL WIRING

SHEET:
ME703

DAVID L. JENSEN & ASSOCIATES
MECHANICAL ENGINEERS
547 WEST 500 SOUTH SUITE #140
BOUNTIFUL, UTAH 84010
PHONE: (801) 294-9299



**bradley gygi architect
& associates, pllc**

P.O. Box 521048 | Salt Lake City, UT 84152
801.747.2451

PO Box 521048 | Salt Lake City, UT 84152
801.747.2451

STAMP:



A circular red ink stamp. The outer ring contains the text "REGISTERED PROFESSIONAL ENGINEER" at the top and "STATE OF UTAH" at the bottom. In the center, the text "No. 172461" is at the top, "RICHARD D. JENSEN" is in the middle, and there is a blue ink signature below the name.

HARRISVILLE DI INTERIOR REMODEL
WELFARE DI UTAH NORTH /
NORTHWEST REGION OFFICE

435 NORTH WALL AVE.
HARRISVILLE, UT

PROJECT FOR:
**THE CHURCH OF
JESUS CHRIST
OF LATTER-DAY SAINTS**

PROJECT NUMBER:	500021624010101
DATE:	15 SEP 2025
PROPERTY NUMBER:	5000216

DRAWN BY:	CHECKED:
SHEET TITLE:	

AUTOMATIC TEMPERATURE CONTROL WIRING

WIRKING

ME704



DAVID L. JENSEN & ASSOCIATES
MECHANICAL ENGINEERS
547 WEST 500 SOUTH SUITE #140
BOUNTIFUL, UTAH 84010
PHONE: (801) 294-9299

ABBREVIATION SCHEDULE					
NOTE: NOT ALL ABBREVIATIONS MAY BE USED.					
A ACC ADJ AFF AHU AL ALS AUT AUX AWG BAS BLDG C CB CKT CLG CO COMM CU DAS (E) EA EG EGC ELEC EM EMT ENT EQUIP EWC EXP FA FACP FLA FMC FO FOT FB	ABOVE COUNTER AMP OR AMPS ACCESS CONTROL ADJACENT ABOVE FINISHED FLOOR AUTHORITY HAVING JURISDICTION ALUMINUM AUTOMATIC TRANSFER SWITCH AUXILIARY AMERICAN WIRE GAUGE BUILDING AUTOMATION SYSTEM BUILDING CONDUIT CIRCUIT BREAKER CIRCUIT CEILING CONVENIENCE OUTLETS COMMUNICATIONS COPPER DISTRIBUTED ANTENNA SYSTEM EXISTING EACH EQUIPMENT GROUND EQUIPMENT GROUNDING CONDUCTOR ELECTRICAL EMERGENCY ELECTRIC METALLIC TUBING ELECTRIC NONMETALLIC TUBING EQUIPMENT ELECTRIC WATER COOLER EXPLOSION PROOF FIRE ALARM FIRE ALARM CONTROL PANEL FULL LOAD AMPS FLEXIBLE METAL CONDUIT FIBER OPTIC FREIGHT ON BOARD FEED-THROUGH LUGS	GEC GND H HQA HP HZ IBT ID IG IMC INS ISO KCMIL KVA KW LFNC LS LSI LSIG LTG MBL MCA MCB MLO MV MW NC NEC NIC NL NO OC OCP OCPD PA PH PV	GROUNDING ELECTRODE CONDUCTOR GROUND CONDUCTOR HOSPITAL GRADE HAND-OFF-AUTO HORSE POWER HORIZONTALLY MOUNTED INTERSYSTEM BONDING TERMINATION BAR INTRUSION DETECTION ISOLATED GROUND INTERMEDIATE METAL CONDUIT INSULATED ISOLATED KILO CIRCULAR MIL KILO VOLT AMPERES KILOWATTS LIQUID-TIGHT NONMETAL CONDUIT LONG-TIME, SHORT-TIME LONG-TIME, SHORT-TIME INSTANTANEOUS GROUND FAULT LIGHTING MAIN BONDING JUMPER MINIMUM CIRCUIT AMPS MAIN CIRCUIT BREAKER MAIN LUGS ONLY MEDIUM VOLTAGE MICROWAVE NORMALLY CLOSED NATIONAL ELECTRIC CODE NOT IN CONTRACT NIGHT LIGHT NORMALLY OPEN (ON CENTER(S)) OVER CURRENT PROTECTION OVER CURRENT PROTECTION DEVICE PUBLIC ADDRESS PHASE PHOTOVOLTAIC	PWR QTY R REF REQ RGC RMC RMP RNC RR S SBJ SCP SFL SPD SS SSBJ TGB TMGB TR TTB TYP UF UG UNO USB VSS WJ WO/ WP WR XFMR	POWER QUANTITY REMOVE REFRIGERATOR REQUIREMENTS RIGID GALVANIZED METALLIC CONDUIT RIGID METAL CONDUIT ROCKY MOUNTAIN POWER RIGID NONMETALLIC CONDUIT REMOVE AND RELOCATE SURFACE MOUNTED SYSTEM BONDING JUMPER SECURITY CONTROL PANEL SUB-FEED LUGS SURGE PROTECTIVE DEVICE SURGE SUPPRESSION SUPPLY SIDE BONDING JUMPER TELECOMMUNICATION GROUNDING BUS BAR TELECOMMUNICATION MAIN GROUNDING BUS BAR TAMPER RESISTANT TELEPHONE TERMINAL BOARD TYPICAL UNDER FLOOR UNDERGROUND UNLESS NOTED OTHERWISE UNIVERSAL SERIAL BUS VIDEO SURVEILLANCE SYSTEM WITH WITHOUT WEATHER PROOF WEATHER RESISTANT TRANSFORMER

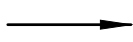
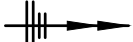
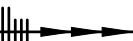
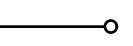
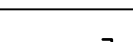
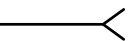
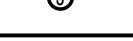
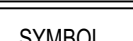
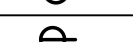
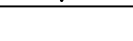
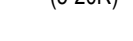
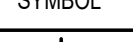
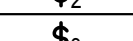
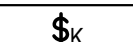
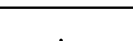
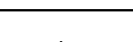
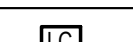
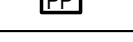
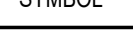
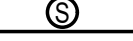
GENERAL DEMOLITION NOTES:

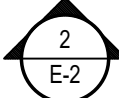
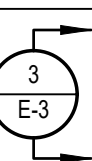
- UNLESS SPECIFICALLY NOTED OTHERWISE, REMOVE ALL ELECTRICAL ITEMS SHOWN IN DARK AND DASHED LINES. LIGHT AND SOLID ITEMS ARE TO REMAIN. DEMOLITION ITEMS ARE SHOWN TO GIVE A BASIC DESCRIPTION OF THE EXTENT OF DEMOLITION WORK, BUT MAY NOT BE INCLUSIVE. PROVIDE DEMOLITION WORK IN ACCORDANCE WITH THE FOLLOWING REQUIREMENTS:
 - DISCONNECT AND REMOVE ANY/ALL FIXTURES, DEVICES, EQUIPMENT, ETC. REQUIRED FOR PROPER COMPLETION OF THE WORK WHETHER SHOWN OR NOT.
 - RELOCATE, REWIRE, AND/OR RECONNECT ANY/ALL FIXTURES, DEVICES, EQUIPMENT, ETC. THAT FOR ANY REASON OBSTRUCTS CONSTRUCTION.
 - LEAVE ALL EXISTING FIXTURES, DEVICES, EQUIPMENT, ETC. IN PORTIONS OF THE BUILDING NOT BEING REMODELED, IN WORKING CONDITION. RESTORE ALL INTERRUPTED BRANCH CIRCUITS, FEEDERS, ETC.
 - REMOVE AND DISPOSE OF ALL RACEWAYS, CONDUCTORS, BOXES, DEVICES, EQUIPMENT, ETC. THAT ARE NOT TO BE REUSED. TERMINATE AT ACCESSIBLE JUNCTION BOX BY PROVIDING PROPER KNOCK-OUT CLOSURE, TAPE CONDUCTORS, LABEL AS "SPARE" WITH CIRCUIT NO., ZONE NO, OR OTHER CHARACTERISTIC IDENTIFYING SOURCE.
 - EXISTING RACEWAYS MAY BE REUSED, IF IN PLACE, WHERE POSSIBLE, AND WHERE IN COMPLIANCE WITH THE SPECIFICATIONS AND THE INTENT OF THE CONTRACT DOCUMENTS. UPGRADE AND OR PROVIDE NEW CONDUIT SUPPORTS WHERE NECESSARY FOR ALL RACEWAYS BEING REUSED. ENSURE INTEGRITY OF EXISTING RACEWAYS BEFORE REUSE.
 - CONCEAL ALL RACEWAY AND WIRING IN EXISTING WALLS, CEILINGS, FLOORS, ETC. THE USE OF WIREMOLD IS PERMITTED ONLY WHERE SPECIFICALLY NOTED ON DRAWING.
 - DO NOT PENETRATE STRUCTURAL ELEMENTS OF FLOORS, WALLS, CEILINGS, ROOFS, ETC.
 - COORDINATE WITH OWNER WHAT EQUIPMENT SHOULD BE DISPOSED OF AND WHAT EQUIPMENT IS TO BE RETURNED TO OWNER.
 - FIRE ALARM SYSTEM MUST REMAIN OPERATIONAL DURING ALL PHASES OF CONSTRUCTION.
- THIS AND ANY OTHER DEMOLITION DRAWINGS ARE NOT INTENDED TO BE ALL-INCLUSIVE, NOR TO DEFINE THE SCOPE OF ALL DEMOLITION WORK REQUIRED FOR THIS PROJECT. DEMOLITION DRAWINGS ARE SHOWN ONLY TO AID THE CONTRACTOR IN PREPARING THE BID AND PERFORMING THE WORK. CONTRACTOR SHALL EXAMINE ALL CONTRACT DOCUMENTS AND VISIT THE SITE DURING BIDDING TO DETERMINE THE TOTAL EXTENT AND SCOPE OF THE DEMOLITION PORTION OF THIS WORK. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DEMOLITION WORK REQUIRED TO CARRY OUT THE WORK AS SHOWN IN THE CONTRACT DOCUMENTS.

GENERAL PROJECT NOTES:

- DIVISION 26 CONTRACTOR IS RESPONSIBLE FOR READING AND APPLYING WHAT IS IN THE SPECIFICATIONS TO THIS PROJECT. ANYTHING THAT IS NOT INCLUDED ON THE PROJECT THAT IS CALLED OUT IN THE SPECIFICATION SHALL BE LISTED ON THE SUBSTANTIAL COMPLETION PUNCHLIST. THE CONTRACTOR WILL BE REQUIRED TO REMEDY THESE DEFICIENCIES. THERE WILL BE NO EXCEPTIONS.
- THE CONTRACTOR MAY SCHEDULE A PRE-CONSTRUCTION MEETING AT THEIR DISCRETION, WITH THE ELECTRICAL ENGINEER AND ARCHITECT TO REVIEW THE DRAWINGS AND SPECIFICATIONS. THE MEETING SHALL BE A MAXIMUM OF ONE HOUR AND SHALL TAKE PLACE AT THE ENGINEER'S OFFICE WHERE POSSIBLE.
- THE FOLLOWING ITEMS ARE SOME OF THE REQUIREMENTS THAT ARE LISTED IN THE SPECIFICATIONS. THESE ITEMS DO NOT REPRESENT ALL ITEMS AND THE CONTRACTOR IS RESPONSIBLE FOR MEETING ALL REQUIREMENTS OF THE SPECIFICATIONS.
 - INSULATED THROAT CONNECTORS OR PLASTIC BUSHINGS SHALL BE UTILIZED FOR ALL CONDUIT SIZES USED ON THIS PROJECT.
 - A DEDICATED NEUTRAL CONDUCTOR WILL BE PROVIDED FOR ALL LIGHTING AND POWER CIRCUITS.
 - THE CONTRACTOR SHALL LABEL ALL ELECTRICAL EQUIPMENT AS IT IS CALLED OUT IN THE SPECIFICATIONS.
 - THE CONTRACTOR SHALL PROVIDE SEISMIC SUPPORT AND BRACING FOR ALL ELECTRICAL EQUIPMENT AS REQUIRED BY LOCAL AND NATIONAL CODE.
- THE CONTRACTOR SHALL FOLLOW THE PANELBOARD SCHEDULES AS INDICATED IN THE DRAWINGS. EACH CIRCUIT BREAKER HAS BEEN ASSIGNED A SPECIFIC AREA OF THE BUILDING. NO DEVIATION WILL BE ALLOWED WITHOUT THE APPROVAL FROM THE ELECTRICAL ENGINEER.
- THE CONTRACTOR SHALL INSTALL THE WIRE SIZES AS CALLED OUT ON THE ONE-LINE DIAGRAM, EQUIPMENT SCHEDULES, VOLTAGE DROP TABLES, AND ELECTRICAL SPECIFICATIONS. HOWEVER, THE CONTRACTOR IS RESPONSIBLE TO ENSURE THE WIRE IS LARGE ENOUGH FOR VOLTAGE DROP.
- THE CONTRACTOR SHALL VERIFY ALL MECHANICAL OVERCURRENT DEVICES FOR THE ACTUAL MECHANICAL EQUIPMENT SUPPLIED ON THE JOB, PRIOR TO RELEASE OF ANY ELECTRICAL DISTRIBUTION EQUIPMENT. CONTACT THE ELECTRICAL ENGINEER WITH ANY DISCREPANCIES.
- THE CONTRACTOR SHALL VISIT THE SITE BEFORE SUBMITTING THE BID, AND SHALL EXAMINE ALL PHYSICAL CONDITIONS WHICH MAY BE MATERIAL TO THE PERFORMANCE OF HIS WORK. NO EXTRA PAYMENTS WILL BE ALLOWED TO THE CONTRACTOR AS A RESULT OF EXTRA WORK MADE NECESSARY BY THEIR FAILURE TO DO SO. ANY CASE OF DISCREPANCY OR LACK OF CLARITY SHALL BE PROMPTLY IDENTIFIED TO THE OWNERS REPRESENTATIVE AND THE ENGINEER FOR CLARIFICATION.
- THE CONTRACTOR SHALL MAKE SURE THAT ALL EXISTING BRANCH CIRCUITS THAT ARE AFFECTED BY THIS PROJECT ARE NOT OVERLOADED AS A RESULT OF WORK UNDER THIS CONTRACT. PROVIDE ADDITIONAL BRANCH CIRCUITS FROM ELECTRICAL PANELS AS NECESSARY TO COMPLY WITH THE BRANCH CIRCUIT LOADING REQUIREMENTS. PROVIDE ALL MATERIAL AND LABOR AS NECESSARY FOR A COMPLETE AND OPERATING SYSTEM.
- PROVIDE UPDATED, TYPED PANELBOARD SCHEDULE(S) TO REFLECT ALL THE CHANGES MADE, INCLUDING EXISTING LOADS. THE EXISTING LOADS SHALL BE NAMED THE SAME AS LISTED ON THE EXISTING PANELBOARD SCHEDULE.

LIGHTING SYMBOLS			
1. LIGHT FIXTURE SYMBOLS ARE GENERAL IN NATURE AND MAY BE SHOWN ON THE DRAWINGS IN VARIOUS SIZES AND SHAPES. REFER TO THE LIGHT FIXTURE SCHEDULE FOR SPECIFICATION INFORMATION.			
2. ARROWS INDICATE AIMING DIRECTION.			
SYMBOL	DESCRIPTION	MOUNTING	REMARKS
	ARM-MOUNTED SINGLE-HEAD LIGHT FIXTURE AND POLE	AS SPECIFIED OR DETAILED	
	ARM-MOUNTED DOUBLE-HEAD LIGHT FIXTURE AND POLE	AS SPECIFIED OR DETAILED	
	POST-TOP SINGLE-HEAD, LIGHT FIXTURE AND POLE	AS SPECIFIED OR DETAILED	
	WALL-MOUNTED FIXTURE	AS SPECIFIED OR DETAILED	REFER TO ARCHITECTURAL EXTERIOR ELEVATIONS FOR MOUNTING HEIGHT
	LIGHT BOLLARD	AS SPECIFIED OR DETAILED	
	FLOOD LIGHT	AS SPECIFIED OR DETAILED	
	RECESSED WALL FIXTURE OR STEP LIGHT	AS SPECIFIED OR DETAILED	REFER TO ARCHITECTURAL EXTERIOR ELEVATIONS FOR MOUNTING HEIGHT
	LIGHT FIXTURES	AS SPECIFIED OR DETAILED	
	WALL-MOUNTED LINEAR LIGHT FIXTURE	AS SPECIFIED OR DETAILED	
	LINEAR WALL WASHER	AS SPECIFIED OR DETAILED	
	RECESSED DOWN LIGHT	AS SPECIFIED OR DETAILED	
	RECESSED WALL-WASHER OR DIRECTIONAL DOWNLIGHT	AS SPECIFIED OR DETAILED	IF SHOWN, ARROW INDICATES AIMING DIRECTION
	SURFACE OR PENDANT-MOUNTED LIGHT FIXTURE	AS SPECIFIED OR DETAILED	
	WALL-MOUNTED LIGHT FIXTURE	AS SPECIFIED OR DETAILED	REFER TO ARCHITECTURAL EXTERIOR ELEVATIONS FOR MOUNTING HEIGHT
	TRACK OR MONO-POINT LIGHT FIXTURE	AS SPECIFIED OR DETAILED	IF SHOWN, ARROW INDICATES AIMING DIRECTION
	WALL SCENCE	AS SPECIFIED OR DETAILED	
	EGRESS LIGHT FIXTURE	AS SPECIFIED OR DETAILED	THIS IS AN EXAMPLE OF AN EGRESS LIGHT FIXTURE. EGRESS LIGHT FIXTURES ARE HALF-SHADED DIAGONALLY.
	EMERGENCY (NON-EGRESS) LIGHT FIXTURE	AS SPECIFIED OR DETAILED	THIS IS AN EXAMPLE OF AN EMERGENCY (NON-EGRESS) LIGHT FIXTURE. EMERGENCY FIXTURES ARE FULLY-SHADED.
	CEILING MOUNTED EXIT SIGN	CEILING	DARKENED PORTION OF SIGN INDICATES FACE(S); ARROW(S) INDICATE CHEVRON DIRECTION(S)
	WALL-MOUNTED EXIT SIGN	WALL ABOVE DOOR	
	WALL-MOUNTED EXIT SIGN W/ EMERGENCY LIGHT FIXTURE	WALL ABOVE DOOR	
	TIME CLOCK	+60"	
	EMERGENCY LIGHT FIXTURE	AS NOTED	
	ELECTRIC PHOTOCELL	N/A	MOUNT ON ROOF FACING NORTH SKY
	LIGHT FIXTURE CALLOUT (LETTER DENOTES FIXTURE TYPE)		
FIRE ALARM SYMBOLS			
SYMBOL	DESCRIPTION	MOUNTING	REMARKS
	BEAM DETECTOR - TRANSMITTER	4" BELOW CEILING TO TOP OF DETECTOR	
	BEAM DETECTOR - RECEIVER	4" BELOW CEILING TO TOP OF DETECTOR	
	END OF LINE DEVICE	MANUFACTURER RECOMMENDED	
	TAMPER SWITCH	AT VALVE	
	WATER FLOW INDICATOR	ON FIRE RISER	
	FIRE/SMOKE DAMPER		
	HEAT DETECTOR	CEILING	
	SMOKE DETECTOR	CEILING	
	DUCT SMOKE DETECTOR	SIDE OF DUCT	
	FIRE ALARM MANUAL STATION	+48"	
	CONTROL MODULE	AT DEVICE(S) TO BE CONTROLLED	
	MONITOR MODULE	AT DEVICE(S) TO MONITOR	
	FAN SHUTDOWN RELAY	AT FAN CONTROL PANEL	
	MAGNETIC DOOR HOLDER	COORDINATE WITH DOOR INSTALLER	COORDINATE WITH DOOR INSTALLER; SUBSCRIPT 'P' INDICATES TO MOUNT AT FLOOR LEVEL
	WATER FLOOD INDICATOR	FLOOR	
	AUDIO HORN	80" MIN AND 96" MAX, MEASURED FROM LENS.	SUBSCRIPT 'WP' INDICATES THAT A WEATHER PROOF BACK BOX IS REQ.
	MINI AUDIO HORN		
	FIRE ALARM VISUAL STROBE	IF CEILING IS LESS THAN 80", MOUNT WITHIN 6" OF CEILING.	SUBSCRIPT 'C' INDICATES CEILING MOUNTING.
	FIRE ALARM AUDIO/VISUAL HORN/STROBE		NUMERIC SUBSCRIPT INDICATES CANDELLA RATING OF STROBE (I.E. - 15, 75, 110)
	MINI AUDIO/VISUAL HORN/STROBE		
	FIRE ALARM AUDIO SPEAKER		
	FIRE ALARM AUDIO/VISUAL SPEAKER/STROBE		
	FIRE PROTECTION SPRINKLER RISER BELL	+90"	FURNISHED BY FIRE PROTECTION CONTRACTOR AND INSTALLED AND CONNECTED BY DIV. 16000

BRANCH CIRCUITING SYMBOLS			
SYMBOL	DESCRIPTION	REMARKS	
	1 CIRCUIT, 2 WIRE BRANCH CIRCUIT HOME RUN TO PANEL	ARROWS: NUMBER OF ARROWS INDICATES NUMBER OF CIRCUITS REQUIRED.	
	2 CIRCUIT, 4 WIRE BRANCH CIRCUIT HOME RUN TO PANEL	SHORT CROSS LINES: NUMBER OF SHORT CROSS LINES INDICATES NUMBER OF PHASE, TRAVELER, AND/OR SWITCHED CONDUCTORS REQUIRED IF GREATER THAN 1 (ONE).	
	3 CIRCUIT, 6 WIRE BRANCH CIRCUIT HOME RUN TO PANEL	LONG CROSS LINES: NUMBER OF LONG CROSS LINES INDICATES NUMBER OF NEUTRAL CONDUCTORS REQUIRED FOR MULTI-WIRE HOME RUNS.	
	MULTIPLE WIRE BRANCH CIRCUITING BETWEEN FIXTURES, SWITCHES, DEVICES, ETC.	EQUIPMENT GROUND AND ISOLATED GROUND CONDUCTORS: EQUIPMENT GROUND AND ISOLATED GROUND CONDUCTORS ARE NOT SHOWN, BUT ARE REQUIRED AS NOTED ON THE DRAWINGS OR IN THE SPECIFICATIONS.	
	BRANCH CIRCUITING (I.N.O.) TURNED UP OR TOWARDS OBSERVER.		
	BRANCH CIRCUITING (I.N.O.) TURNED DOWN OR AWAY FROM OBSERVER.		
	BRANCH CIRCUITING (I.N.O.) CONTINUATION		
	CONDUIT STUB-IN	CAP AND MARK	
	INCOMING SERVICE		
	JUNCTION BOX	MOUNT AS NOTED. SUBSCRIPT 'F' INDICATES TO PROVIDE A FLOOR BOX WITH BLANK COVERPLATE	
WIRING DEVICE SYMBOLS			
SYMBOL	DESCRIPTION	MOUNTING	REMARKS
	SPLIT-WIRED DUPLEX RECEPTACLE	+18"	
	SIMPLEX RECEPTACLE	+18"	
	DUPLEX RECEPTACLE	+18"	
	125/250V RECEPTACLE	+18"	RANGE – NEMA 14-50R DRYER – NEMA 14-30R
	FOURPLEX RECEPTACLE	+18"	
	GROUND FAULT CIRCUIT INTERRUPTER DUPLEX RECEPTACLE	+18"	
	GROUND FAULT CIRCUIT INTERRUPTER FOURPLEX RECEPTACLE	+18"	
	EMERGENCY DUPLEX RECEPTACLE	+18"	
	EMERGENCY FOURPLEX RECEPTACLE	+18"	
	MULTI-OUTLET ASSEMBLY	4" ABOVE BACKSPLASH	
	POWER / TELEPHONE POLE	FLOOR/CEILING	
	CORD DROP WITH DUPLEX RECEPTACLE		REFER TO DETAIL
	SPECIAL PURPOSE OUTLET	+18"	SUBSCRIPT IN PARENTHESIS INDICATES NEMA CONFIGURATION IF SHOWN. REFER TO DRAWINGS AND/OR EQUIPMENT SCHEDULES. CONFIRM EXACT CONFIGURATION WITH OWNER PRIOR TO INSTALLATION.
			
LIGHTING CONTROLS			
SYMBOL	DESCRIPTION	MOUNTING	REMARKS
	SINGLE-POLE TOGGLE SWITCH	+48"	
	SINGLE-POLE TOGGLE SWITCH	+48"	SUBSCRIPT KEYS SWITCH TO FIXTURES CONTROLLED.
	DOUBLE-POLE TOGGLE SWITCH	+48"	
	THREE-WAY TOGGLE SWITCH	+48"	
	FOUR-WAY TOGGLE SWITCH	+48"	
	KEY-OPERATED SINGLE-POLE TOGGLE SWITCH	+48"	
	SINGLE-POLE TOGGLE SWITCH WITH PILOT LIGHT	+48"	
	DIMMER SWITCH	+48"	RATE DIMMER SWITCH FOR MAXIMUM POSSIBLE WATTAGE
	TIMER SWITCH	+48"	
	OCCUPANCY SENSOR	+48"	REFER TO OCCUPANCY SENSOR SCHEDULE FOR MORE INFORMATION
	VACANCY SENSOR	+48"	REFER TO OCCUPANCY SENSOR SCHEDULE FOR MORE INFORMATION
	LOW VOLTAGE SWITCH	+48"	REFER TO LOW VOLTAGE SWITCH SCHEDULE FOR MORE INFORMATION "F" SPECIFIES TYPE
	3-POSITION MOMENTARY CONTACT SWITCH	+48"	REFER TO DETAIL UP-ON; CENTER-NEUTRAL, DOWN-OFF
	3-POSITION MAINTAINED CONTACT SWITCH	+48"	UP-ON; CENTER-OFF; DOWN-ON
	OCCUPANCY SENSOR	CEILING	"a" LOWER CASE SPECIFIES ZONE "F" SPECIFIES TYPE
	DIGITAL DAYLIGHT SENSOR	CEILING	"a" LOWER CASE LETTER SPECIFIES ZONE "F" SPECIFIES THE FOOTCANDLE SETTING THE SENSOR SHALL BE SET TO
	WALL MOUNT GRAPHIC TOUCH PAD CONTROLLER	+48"	
	EMERGENCY CONTROLLER	ACCESSIBLE ABOVE CEILING	
	LOAD CONTROLLER	ACCESSIBLE ABOVE CEILING	
	POWER PACK	ACCESSIBLE ABOVE CEILING	
	ROOM CONTROLLER	ACCESSIBLE ABOVE CEILING	
SECURITY SYMBOLS			
SYMBOL	DESCRIPTION	MOUNTING	REMARKS
	MOTION DETECTOR	CEILING	SUBSCRIPT DENOTES DEGREES OF MONITORED AREA
	DURESS PUSH-BUTTON	BELOW DESK	
	OVERHEAD MAGNETIC CONTACT DOOR SWITCH	DOOR	
	MAGNETIC CONTACT DOOR SWITCH	DOOR	
	GLASS BREAK DETECTOR	CEILING	
	SIREN	+90"	

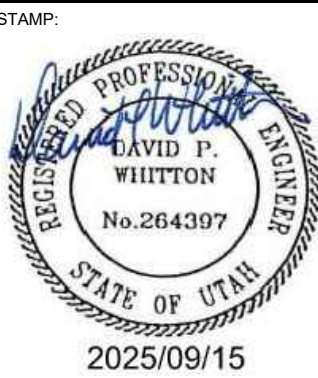
ELECTRICAL SYMBOL SCHEDULE GENERAL NOTES			
1. MOUNT ALL OUTLETS, DEVICES, AND EQUIPMENT AT HEIGHTS INDICATED BELOW, UNLESS NOTED OTHERWISE ON THE DRAWINGS. UNLESS NOTED OTHERWISE, HEIGHTS ARE GIVEN FROM FINISHED FLOOR TO CENTER OF OUTLET BOX.			
2. WHERE OUTLETS, DEVICES, AND EQUIPMENT ARE NOTED BY SUBSCRIPTS, REFER TO ABBREVIATION SCHEDULE FOR DEFINED REQUIREMENTS.			
3. WHERE OUTLETS, DEVICES AND EQUIPMENT ARE NOTED BY THE SUBSCRIPT 'A', MOUNT AT 4" ABOVE COUNTER. IF COUNTER HAS A BACK SPLASH, MOUNT AT 4" ABOVE BACK SPLASH. REFER TO ARCHITECTURAL INTERIOR ELEVATIONS AND COORDINATE WITH CASEWORK SUPPLIER.			
4. NOT ALL ELECTRICAL SYMBOLS MAY BE USED.			
GENERAL SYMBOLS			
SYMBOL	DESCRIPTION	REMARKS	
	KEYED NOTE		
	DETAIL REFERENCE	TOP NUMBER INDICATES DETAIL NUMBER, BOTTOM LETTER-NUMBER INDICATES WHERE DETAIL IS SHOWN.	
	ELEVATION REFERENCE	TOP NUMBER INDICATES ELEVATION NUMBER, BOTTOM LETTER-NUMBER INDICATES WHERE ELEVATION IS SHOWN.	
	SECTION REFERENCE	TOP NUMBER INDICATES SECTION NUMBER, BOTTOM LETTER-NUMBER INDICATES WHERE SECTION IS SHOWN.	
	ARCHITECTURAL ROOM NUMBER		
	EQUIPMENT NAME / NUMBER	TOP NUMBER ABBREVIATES EQUIPMENT NAME OR TYPE; BOTTOM NUMBER INDICATES EQUIPMENT NUMBER. REFER TO EQUIPMENT SCHEDULE.	
	REVISION NUMBER	USED TO DENOTE CHANGES EITHER ISSUED BY ADDENDUM OR DURING CONSTRUCTION AND TO DENOTE RECORD DRAWING CHANGES.	
	REVISION CLOUD	USED TO DENOTE AREAS, DEVICES, EQUIPMENT DETAILS, ETC. AFFECTED BY REVISION.	
	BREAKLINE	USED TO BREAK DRAWINGS.	
GEAR AND CONTROL SYMBOLS			
SYMBOL	DESCRIPTION	MOUNTING	REMARKS
	MANUAL STARTER WITH THERMAL OVERLOAD(S)	AT EQUIPMENT	
	ELECTRIC MOTOR		
	NON-FUSED DISCONNECT SWITCH	TOP AT +48"-72"	
	FUSED DISCONNECT SWITCH	TOP AT +48"-72"	
	CIRCUIT BREAKER AND ENCLOSURE	TOP AT +48"-72"	
	MAGNETIC STARTER	TOP AT +48"-72"	
	COMBINATION MAGNETIC STARTER / NON-FUSED DISCONNECT	TOP AT +48"-72"	
	COMBINATION MAGNETIC STARTER / FUSED DISCONNECT	TOP AT +48"-72"	
	COMB. MAGNETIC STARTER / MOTOR CIRCUIT PROTECTOR (MCP)	TOP AT +48"-72"	
	COMB. VARIABLE FREQUENCY DRIVE / MOTOR CIRCUIT PROTECTOR (MCP)	FLOOR OR WALL AS SPECIFIED	TOP AT +72" IF WALL MOUNTED
	REDUCED VOLTAGE STARTER	FLOOR OR WALL AS SPECIFIED	TOP AT +72" IF WALL MOUNTED
	LOAD CENTER (SURFACE-MOUNTED)	TOP AT +72"	14"W X 3'D
	LOAD CENTER (FLUSH-MOUNTED)	TOP AT +72"	14"W X 3'D
	LIGHTING AND APPLIANCE PANELBOARD (SURFACE-MOUNTED)	TOP AT +72"	20"W X 6'D
	LIGHTING AND APPLIANCE PANELBOARD (FLUSH-MOUNTED)	TOP AT +72"	20"W X 6'D
	POWER DISTRIBUTION PANELBOARD	WALL	THESE SYMBOLS ARE GENERAL IN NATURE AND MAY VARY IN SIZE AND SHAPE TO SUIT APPLICATION. CROSS HATCHING INDICATES "MAIN PANELBOARD OR SWITCHBOARD" NAME IS INDICATED IN SEMI-QUOTES (I.E. '12A', 'MDP')
	SWITCHBOARD	FLOOR	
	METER BASE	TOP AT +72"	FURNISH SWITCH UNLESS FURNISHED BY ANOTHER DIVISION. INSTALL AND CONNECT COMPLETE. REFER TO RELATED SPECIFICATION SECTIONS.
	OPEN - STOP - CLOSE SWITCH	+60"	
	HVAC THERMOSTAT	+60"	PROVIDED BY DIVISION 23
	HAND - OFF - AUTO SWITCH	+60"	
	GROUND FAULT PROTECTION		



240 E. MORRIS AVE, SUITE 200
SALT LAKE CITY, UT 84115
P (801) 534-1130

www.envisioneng.com
ENV: 2025-217.00

bradley gygi architect & associates, pllc
PO Box 670048 | Salt Lake City, UT 84152
801-747-2451



HARRISVILLE DI INTERIOR REMODEL
WELFARE DI UTAH NORTH /
NORTHWEST REGION OFFICE
435 NORTH WALL AVE.
HARRISVILLE, UT

PROJECT FOR:
THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS

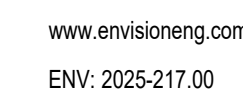
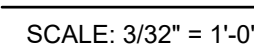
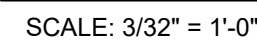
PROJECT NUMBER:
500021624010101
DATE:
15 SEPT 2025
PROPERTY NUMBER:
5000216

DRAWN BY: SDK
CHECKED: DPW

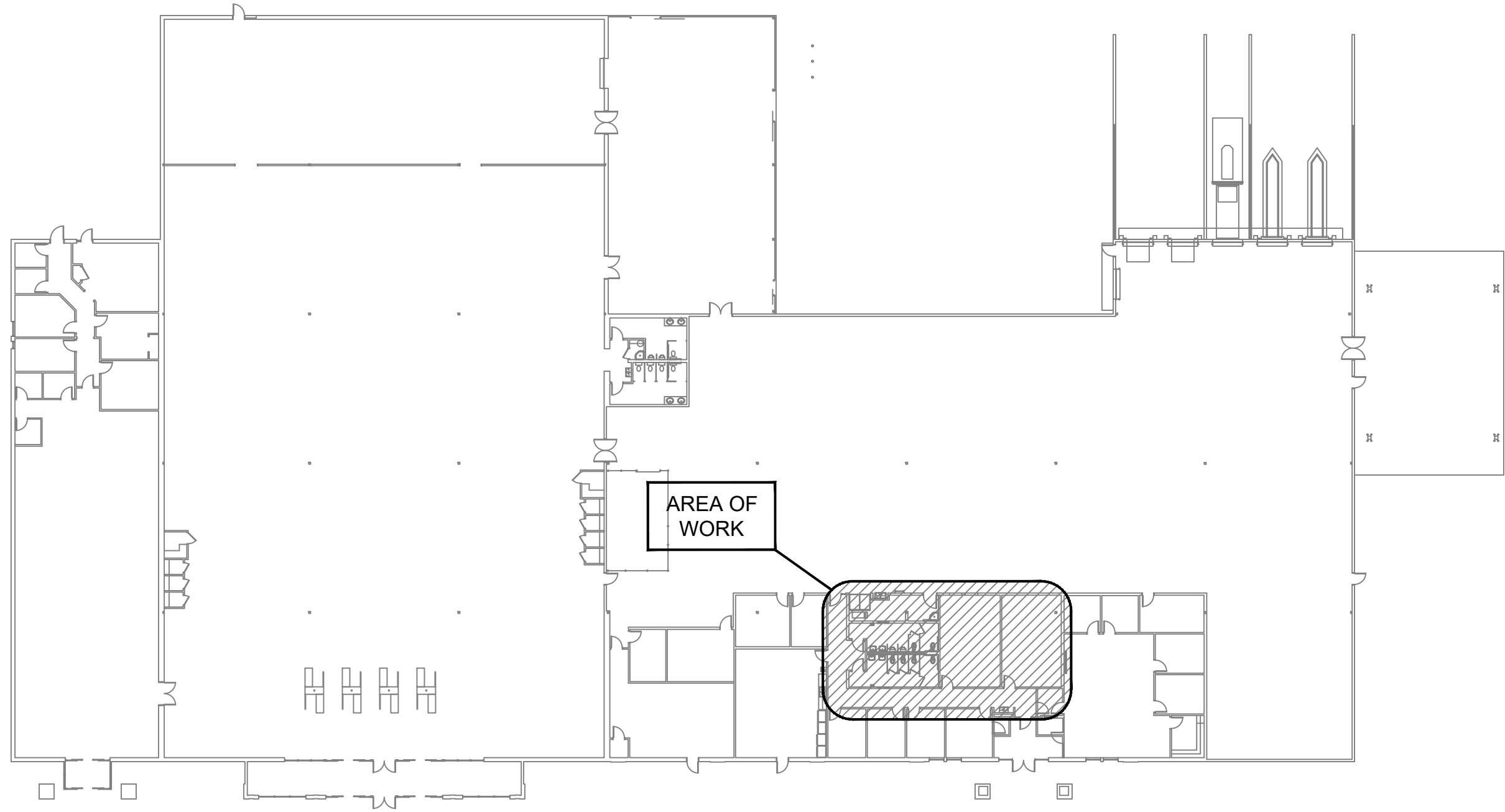
SHEET TITLE:
SYMBOL SCHEDULES AND NOTES

SHEET:

EG001



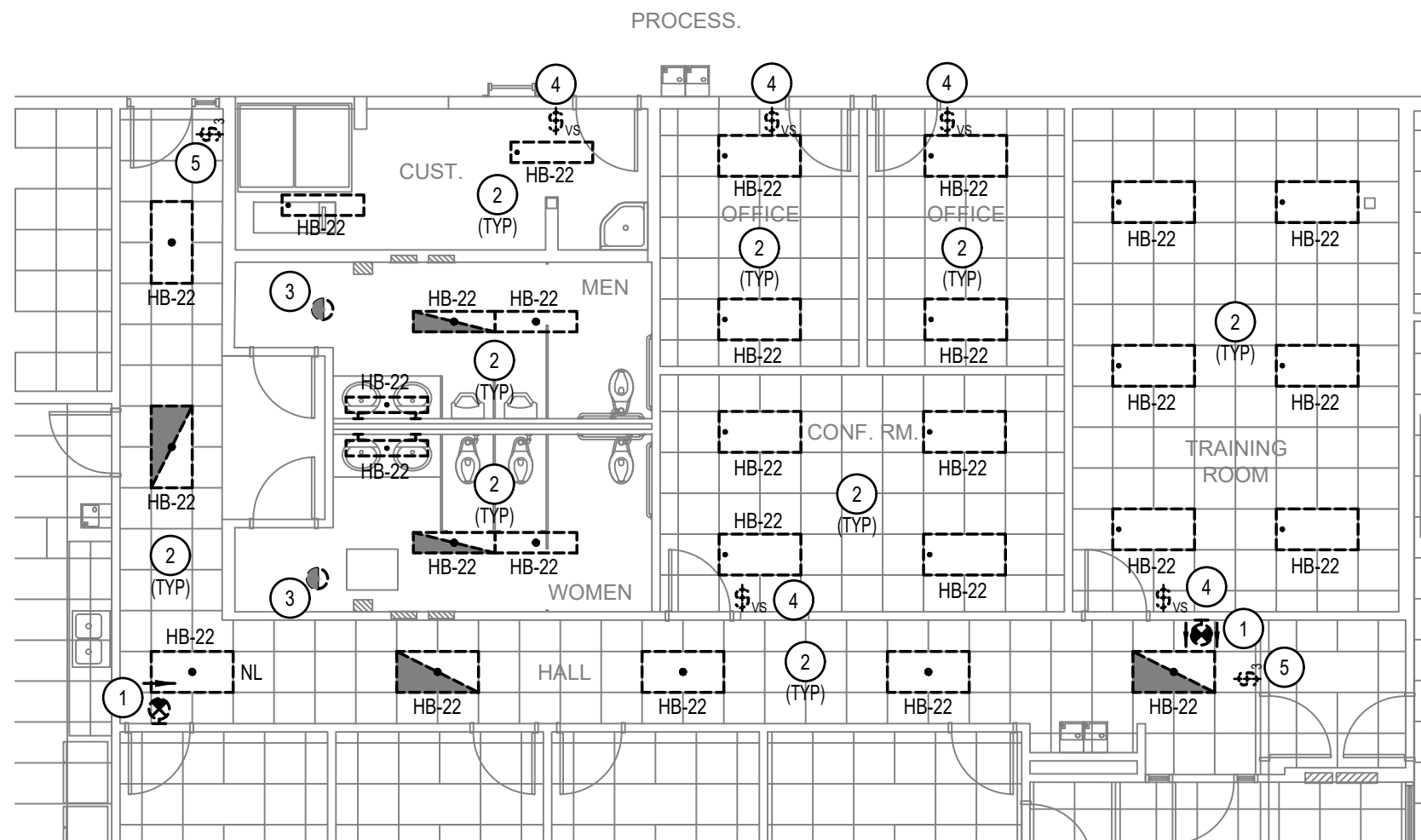
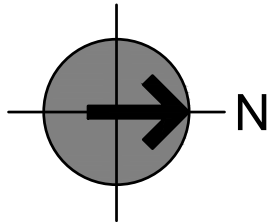
ED101



KEY FLOOR PLAN

SCALE: 1/32" = 1'-0"

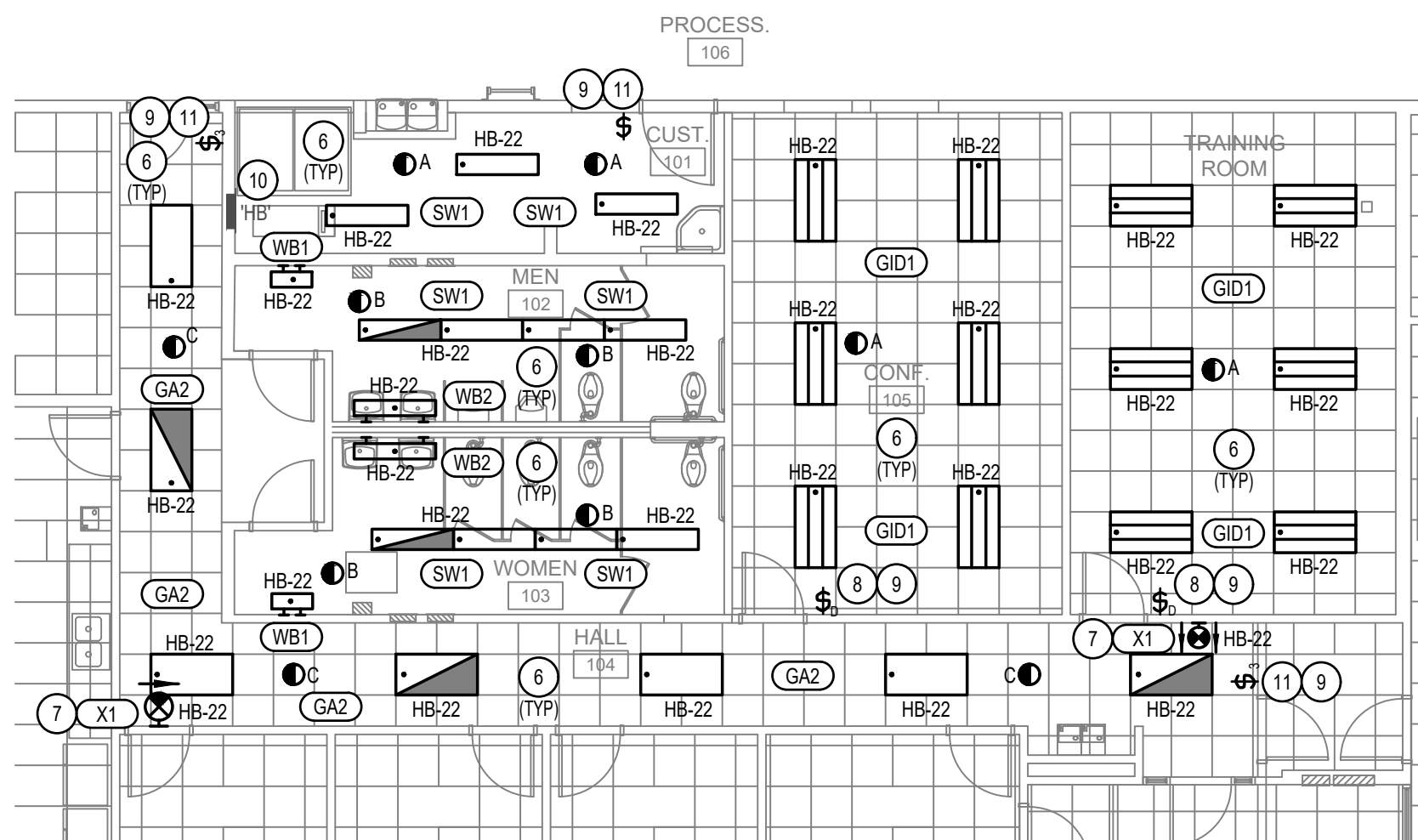
1



PARTIAL LIGHTING DEMOLITION PLAN

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

2



PARTIAL LIGHTING PLAN

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

3

GENERAL NOTES

1. REMOVE ANY UNUSED BRANCH CIRCUITS BACK TO THE SOURCE COMPLETELY. TURN OFF BREAKER AND LABEL 'SPARE'.
2. BRANCH CIRCUITS, IF SHOWN WERE TAKEN FROM EXISTING RECORD DRAWINGS AND PANEL SCHEDULES AND MAY NOT BE ACCURATE. CONTRACTOR TO TRACE OUT ALL CIRCUITS PRIOR TO ANY DEMOLITION.
3. THIS AND ANY OTHER DEMOLITION DRAWINGS ARE NOT INTENDED TO BE ALL-INCLUSIVE. NOR TO DEFINE THE SCOPE OF ALL DEMOLITION WORK REQUIRED FOR THIS PROJECT. DEMOLITION DRAWINGS ARE SHOWN ONLY TO AID THE CONTRACTOR IN PREPARING THE BID AND PERFORMING THE WORK. CONTRACTOR SHALL EXAMINE ALL CONTRACT DOCUMENTS AND VISIT THE SITE DURING BIDDING TO DETERMINE THE TOTAL EXTEND AND SCOPE OF THE DEMOLITION PORTION OF THIS WORK. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DEMOLITION WORK REQUIRED TO CARRY OUT THE WORK AS SOWN IN THE CONTRACT DOCUMENTS.
4. ANY EXISTING CONDUITS, BOXES, ETC. THAT ARE LOCATED IN THE AFFECTED CONSTRUCTION AREA SHALL BE RELOCATED OR REROUTED AS NECESSARY.
5. THE CONTRACTOR SHALL TRACE ALL EXISTING CIRCUITS AND CONFIRM ALL DEVICES ON THE CIRCUIT PRIOR TO ANY DEMOLITION.
6. SEE SHEET EG001 FOR ADDITIONAL GENERAL DEMOLITION REQUIREMENTS.
7. CONTRACTOR TO PROVIDE NEW CEILING TILES AS NECESSARY FOR ANY AND ALL CEILING TILES DAMAGED DUE TO THIS CONSTRUCTION. OWNER AND ARCHITECT TO ASSIST CONTRACTOR IN OBTAINING THE CORRECT CEILING TILES TO MATCH THE EXISTING INSTALLED.
8. REFER TO LIGHTING CONTROL SHEETS FOR TYPICAL CONTROL WIRING DIAGRAMS. PROVIDE COMPLETE SYSTEM WITH ALL REQUIRED CONDUIT, WIRING, SWITCHES, SENSORS, POWER PACK, ETC.
9. LOCATE POWER PACKS AND ROOM CONTROLLERS ABOVE ACCESSIBLE CEILING NEAR ROOM ENTRANCES. WHERE ROOM DOES NOT HAVE AN ACCESSIBLE CEILING MOUNT IN AN ACCESSIBLE LOCATION IN EQUIPMENT OR ELECTRICAL ROOMS AND LABEL CONTROLLER WITH ROOM SERVED.
10. PROVIDE UNSWITCHED HOT CONDUCTOR FOR ALL EMERGENCY LIGHTS, EXIT SIGNS AND BATTERY PACKS.
11. EXACT LOCATION OF LIGHT FIXTURES SHALL BE AS SHOWN ON THE ARCHITECTURAL REFLECTED CEILING PLAN.
12. CEILING MOUNTED OCCUPANCY SENSORS SHALL NOT BE INSTALLED WITHIN 6 FEET OF ANY MECHANICAL DIFFUSER.
13. THE DIVISION 28 CONTRACTOR SHALL DETERMINE THE EXACT ROUTING OF ALL CONDUITS AND CABLES IN THE FIED. THIS PLAN REPRESENTS A SCHEMATIC REPRESENTATION OF DEVICE LOCATIONS.
14. DO NOT CONNECT, MOUNT OR SUPPORT ANY ELECTRICAL FROM DATA / COMM MOUNTING OR WIRE MANAGEMENT.
15. CABLING SHALL BE RUN PERPENDICULAR AND PARALLEL TO SURFACES OF STRUCTURAL MEMBERS, AND FOLLOW SURFACE CONTOURS WHERE POSSIBLE.
16. CONTRACTOR SHALL COORDINATE ALL WALL MOUNTED DEVICES, FIXTURES AND EQUIPMENT HEIGHTS AND LOCATIONS WITH THE ARCHITECT PRIOR TO ANY ROUGH-IN.

KEYED NOTES (E)

1. REMOVE EXISTING SELF-LUMINOUS EXIT SIGN, DISPOSE OF EXISTING EXIT SIGN IN A LEGAL MANNER. COORDINATE ALL REQUIREMENTS WITH THE OWNER, STATE, CITY AND OR COUNTY PRIOR TO THE START OF THE DEMOLITION. PROVIDE DOCUMENTATION TO THE OWNER AND ENGINEER SHOWING EXIT SIGNS WERE PROPERLY DISPOSED OF FROM DISPOSAL FACILITY. INCLUDE DOCUMENTATION IN THE O&M MANUAL.
2. DISCONNECT, REMOVE AND DISPOSE OF EXISTING LIGHT FIXTURE(S). EXISTING BRANCH CIRCUIT TO REMAIN IN PLACE FOR REUSE.
3. DISCONNECT, REMOVE AND DISPOSE OF EXISTING CEILING MOUNTED OCCUPANCY SENSOR. EXISTING BRANCH CIRCUIT TO REMAIN IN PLACE FOR REUSE.
4. DISCONNECT, REMOVE AND DISPOSE OF EXISTING WALL MOUNTED OCCUPANCY SENSOR / MANUAL CONTROL AND COVER PLATE. EXISTING BRANCH CIRCUIT TO REMAIN IN PLACE FOR REUSE.
5. DISCONNECT, REMOVE AND DISPOSE OF EXISTING MANUAL CONTROL SWITCH AND COVER PLATE. EXISTING BRANCH CIRCUIT TO REMAIN IN PLACE FOR REUSE.
6. RECONNECT NEW LIGHT FIXTURE(S) TO THE EXISTING BRANCH CIRCUIT THAT WAS IN PLACE PRIOR TO THE DEMOLITION. PROVIDE NEW CONTROLS AS SHOWN.
7. CONNECT NEW EXIT SIGN TO BRANCH CIRCUIT SHOWN. PROVIDE UNSWITCHED HOT CONDUCTOR TO EXIT SIGN FROM THE BRANCH CIRCUIT AS CALLED OUT.
8. PROVIDE MANUAL SWITCH WITH DIMMING. RECONNECT TO THE EXISTING BRANCH CIRCUIT AS DIRECTED BY THE LIGHTING CONTROL SYSTEM MANUFACTURE. CONTRACTOR TO PROVIDE ALL ADDITIONAL DIMMING CONDUCTORS AND CONNECTIONS TO ROOM CONTROLLER AS NECESSARY FOR A COMPLETE AND OPERATIONAL SYSTEM.
9. PROVIDE NEW 1 GANG DECORA COVER PLATE. IN COLOR AS DIRECTED BY THE ARCHITECT, FOR NEW LIGHTING CONTROL.
10. ELECTRICAL PANEL IS LOCATED ON THE MEZZANINE ABOVE.
11. INSTALL NEW MANUAL CONTROL SWITCH IN THE EXISTING LOCATION. RECONNECT TO THE EXISTING BRANCH CIRCUIT THAT WAS IN PLACE PRIOR TO THE DEMOLITION.



ENVISION
ENGINEERING

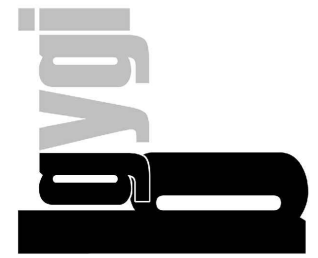
240 E. MORRIS AVE, SUITE 200
SALT LAKE CITY, UT 84115

P (801) 534-1130

www.envisioneng.com

ENV: 2025-217.00

bradley gygi architect
& associates, pllc
PO Box 670408 | Salt Lake City, UT 84152
801-747-2451



HARRISVILLE DI INTERIOR REMODEL
WELFARE DI UTAH NORTH /
NORTHWEST REGION OFFICE
435 NORTH WALL AVE.
HARRISVILLE, UT

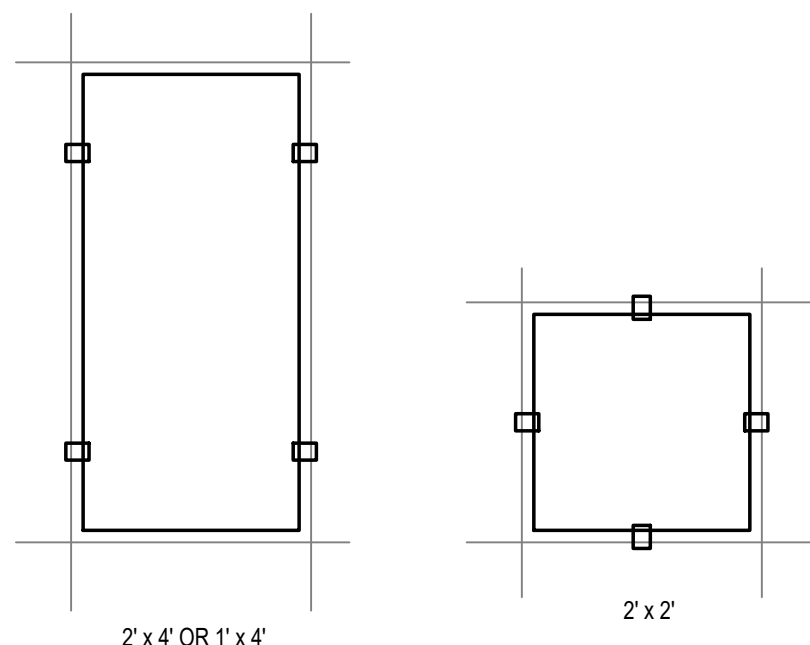
PROJECT FOR:
THE CHURCH OF
JESUS CHRIST
OF LATTER-DAY SAINTS

PROJECT NUMBER:
500021624010101
DATE:
15 SEPT 2025
PROPERTY NUMBER:
5000216

DRAWN BY: SDK
CHECKED: DPW

SHEET TITLE:
LIGHTING
PLANS

SHEET:
EL102



1 LIGHT FIXTURE SUPPORT DETAIL
SCALE: NONE

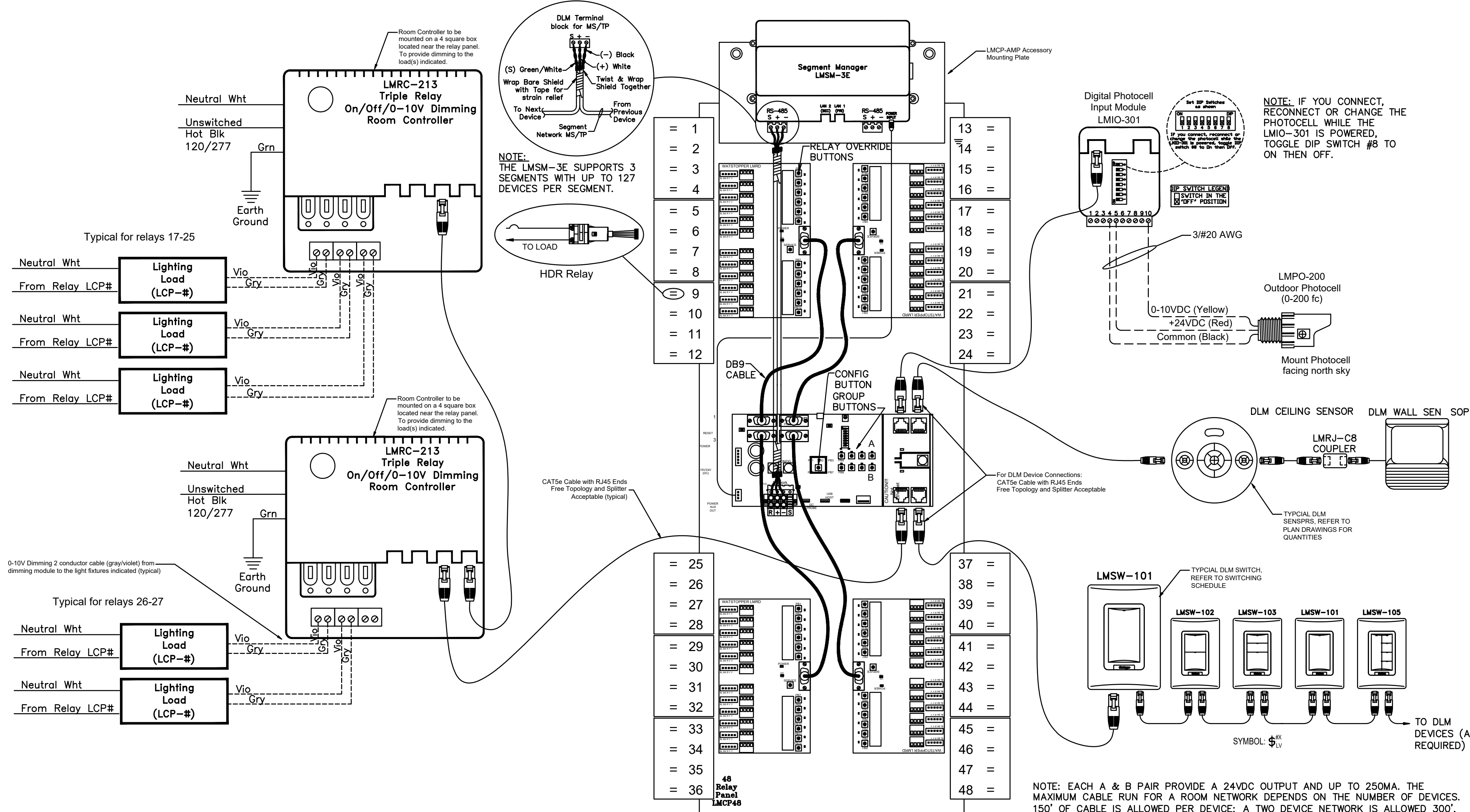
Diagram illustrating the installation of a surface mounted light fixture to a suspended gypsum board ceiling. The diagram shows the fixture being secured to the ceiling beams with four screws. A callout indicates that additional support wires should be provided to support the fixture, coordinated with the ceiling installer. Another callout points to the suspended gypsum board ceiling.

- PROVIDE ADDITIONAL SUPPORT WIRES TO SUPPORT FIXTURE. COORDINATE WITH CEILING INSTALLER.
- SUSPENDED GYPSUM BOARD CEILING
- SECURE TO CEILING AT BEAMS, MINIMUM OF 4 LOCATIONS PER MANUFACTURER'S RECOMMENDATIONS.
- SURFACE MOUNTED LIGHT FIXTURE

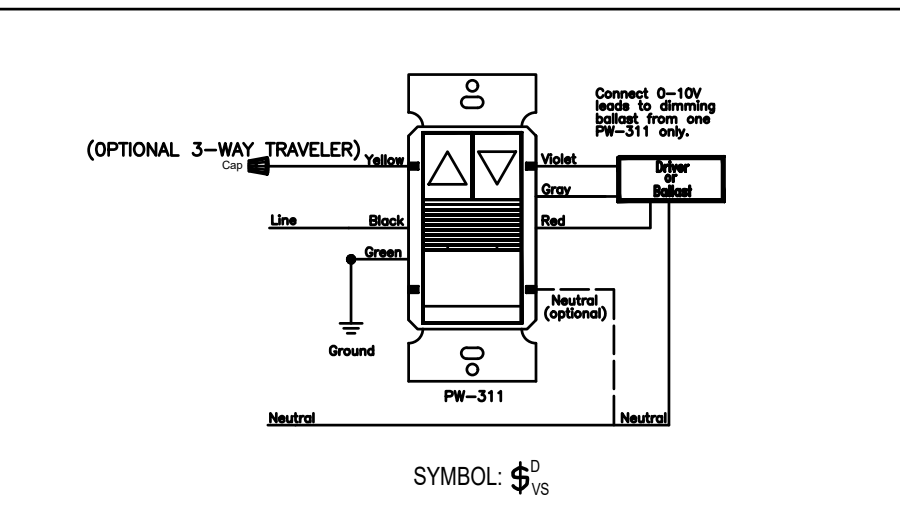
Diagram illustrating the components and designations for a lighting fixture:

- LOWERCASE LETTER DESIGNATES SWITCHING OR CIRCUIT ASSIGNMENT. ASSIGNMENTS, SUCH AS a/b, INDICATE DUAL LEVEL SWITCHING.** (Points to 'a' in the fixture)
- CIRCUIT DESIGNATION** (Points to 14EL-3)
- RELAY DESIGNATION** (Points to LCP-1)
- A2** (Designates fixture type)
- DESIGNATES FIXTURE TYPE.** (Points to A2)
- EM** (Indicates egress light fixture)
- SHADING OR 'EM' INDICATES EGRESS LIGHT FIXTURE. PROVIDE EMERGENCY BATTERY PACK FOR LED LIGHT FIXTURE IN WATTAGE SIZED TO PROVIDE A MINIMUM OF 1400 LUMENS. CONNECT EMERGENCY BATTERY PACK TO UNSWITCHED HOT CONDUCTOR ON LIGHTING CIRCUIT, UNLESS NOTED OTHERWISE.** (Points to EM)
- EXIT SIGNS. CONNECT TO UNSWITCHED HOT CONDUCTOR ON LIGHTING CIRCUIT AS CALLED OUT.** (Points to 14EL-3 exit signs)

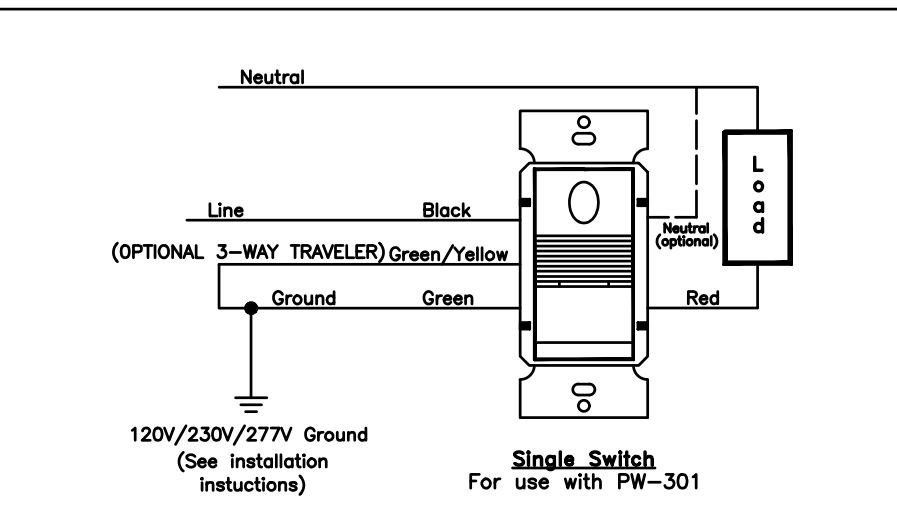
EL501



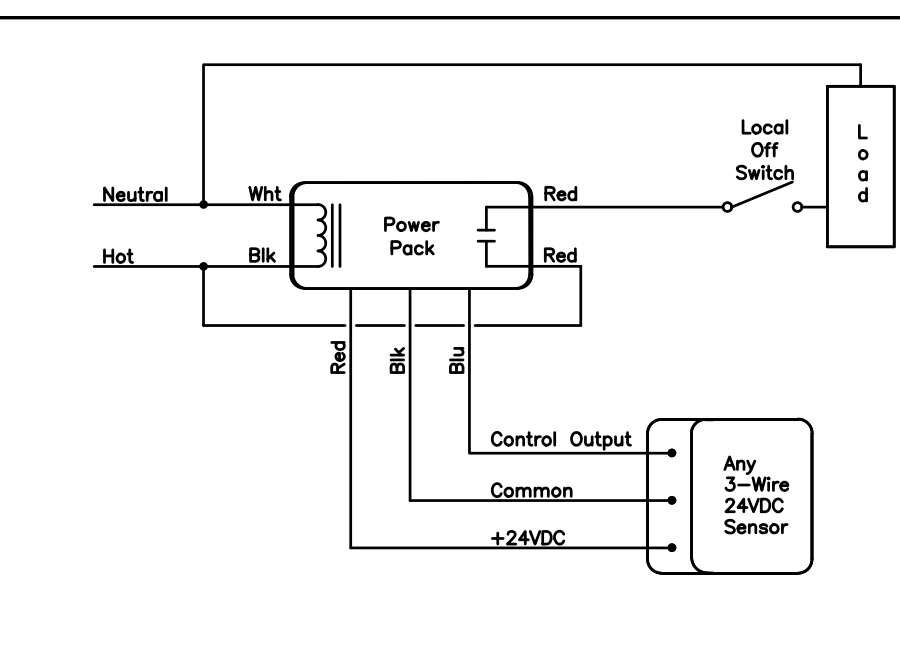
1 LMCP48 RELAY PANEL INTERIOR WITH SEGMENT MANAGER, DIMMING MODULES, SWITCHES, DAYLIGHT SENSORS, AND PHOTOCELL
SCALE: NONE



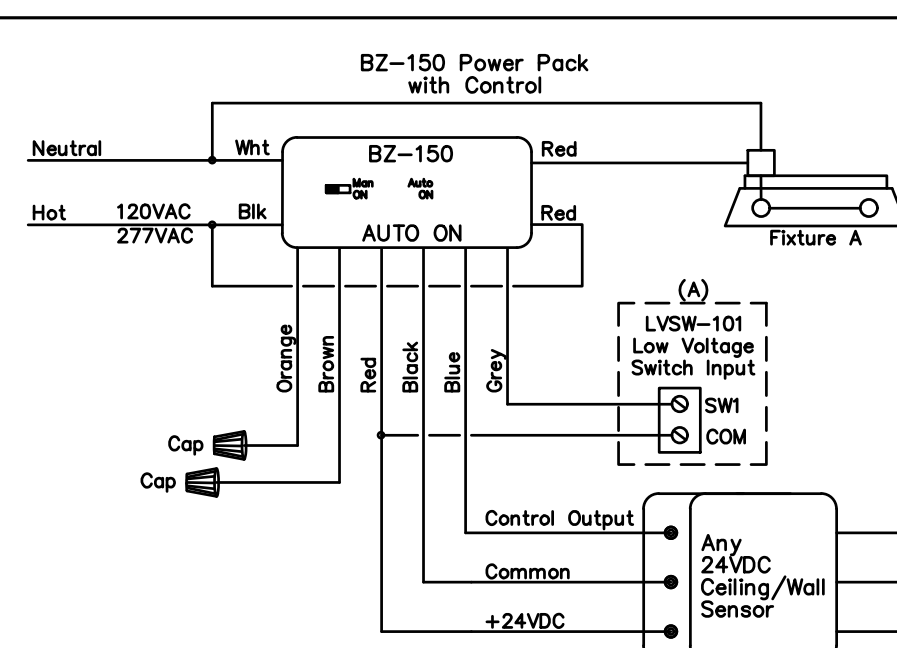
5 DIMMING OCCUPANCY SENSOR WIRING DIAGRAM
SCALE: NONE



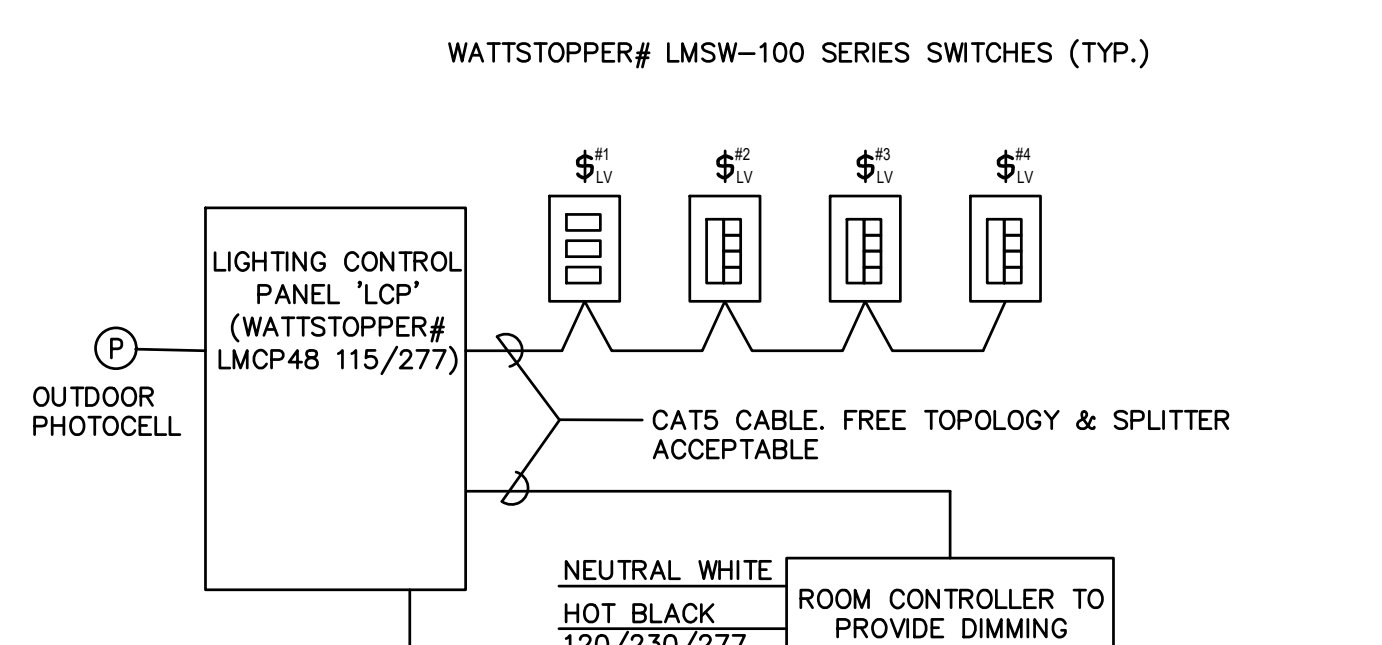
3 SWITCHED OCCUPANCY SENSOR WIRING DIAGRAM
SCALE: NONE



6 ANY 3-WIRE 24VDC SENSOR WIRING DIAGRAM
SCALE: NONE



4 BZ-150 W-LV MANUAL SWITCH WIRING DIAGRAM
SCALE: NONE



2 LIGHTING CONTROL BLOCK DIAGRAM
SCALE: NONE

LIGHTING CONTROL PANEL "LCP" SCHEDULE							AUTOMATION SCHEDULE				
MOUNTING SURFACE							LOCATION: MEZZANINE				
BRANCH CIRCUIT FOR CONTROL POWER: HB-23											
SPACE	RELAY	RELAY	SUPPLY	VA	AREA SERVED	LV SWITCH*	Schedule ON / OFF	Daylight Response	Dusk - Dawn	Dusk - Auto OFF	0-10V Dimming
NUMBER	AMP	POLE									MANUAL ON - SWEEP OFF
1 (a)	20	1	HB-1	483	RETAIL 108	S1-1,3	X				
2 (b)	20	1	HB-3	483	RETAIL 108	S1-2,3	X				
3 (c)	20	1	HB-5	506	RETAIL 108	S1-1,3	X				
4 (d)	20	1	HB-7	529	RETAIL 108	S1-2,3	X				
5 (f)	20	1	HB-9	506	RETAIL 108	S1-1,3	X				
6 (g)	20	1	HB-11	460	RETAIL 108	S1-2,3	X				
7 (h)	20	1	HB-13	506	RETAIL 108	S1-1,3	X				
8 (i)	20	1	HB-15	529	RETAIL 108	S1-2,3	X				
9 (k)	20	1	HB-2	483	RETAIL 108	S1-1,3	X				
10 (m)	20	1	HB-4	483	RETAIL 108	S1-2,3	X				
11 (n)	20	1	HB-6	483	RETAIL 108	S1-1,3	X				
12 (p)	20	1	HB-8	483	RETAIL 108	S1-2,3	X				
13 (r)	20	1	HB-10	529	RETAIL 108	S1-1,3	X				
14 (t)	20	1	HB-12	506	RETAIL 108	S1-1,3	X				
15 (u)	20	1	HB-14	644	RETAIL 108	S1-1,3	X				
16 (v)	20	1	HB-16	667	RETAIL 108	S1-2,3	X				
17(a)	20	1	HA-1	3,248	PROCESSING 106	S2-1,2 S3-1,2	X	X			X
18(b)	20	1	HA-2	6,345	PROCESSING 106	S2-1,2 S3-1,2	X	X			X
19(c)	20	1	HA-8	6,768	PROCESSING 106	S2-1,2 S3-1,2	X	X			X
20(d)	20	1	HA-3	287	PROCESSING 106	S2-1,2 S3-1,2	X	X			X
21(e)	20	1	HA-5	2,961	PROCESSING 106	S2-1,2 S3-1,2	X	X			X
22(f)	20	1	HA-4	2,961	PROCESSING 106	S2-1,2 S3-1,2	X	X			X
23(g)	20	1	HA-6	3,384	PROCESSING 106	S2-1,2 S3-1,2	X	X			X
24(h)	20	1	HA-10	3,384	PROCESSING 106	S2-1,2 S3-1,2	X	X			X
25(i)	20	1	HA-12	3,384	PROCESSING 106	S2-1,2 S3-1,2	X	X			X
26(j)	20	1	HA-7	2,115	PROCESSING 106	S2-1,2 S3-1,2	X	X			X
27(m)	20	1	HA-9	2,115	PROCESSING 106	S2-1,2 S3-1,2	X	X			X
28	20	1		0	SPARE						
29	20	1		0	SPARE						
30	20	1		0	SPARE						
31	20	1		0	SPARE						
32	20	1		0	SPARE						
33	20	1		0	SPARE						
34	20	1		0	SPARE						
35	20	1		0	SPARE						
36	20	1		0	SPARE						
37	20	1		0	SPARE						
38	20	1		0	SPARE						
39	20	1		0	SPARE						
40	20	1		0	SPARE						
41	20	1		0	SPARE						
42	20	1		0	SPARE						
43	20	1		0	SPARE						
44	20	1		0	SPARE						
45	20	1		0	SPARE						
46	20	1		0	SPARE						
47	20	1		0	SPARE						
48	20	1		0	SPARE						

SWITCH SCHEDULE			
SWITCH	BUTTONS	RELAY(s)	LABEL
\$ ¹ _{LV}	-1	1,3,5,7,9,11,14	RETAIL LIGHTING HALF LEVEL
	-2	2,4,6,8,10,12,13,15,16	RETAIL LIGHTING HALF LEVEL
	-3	1-16	RETAIL LIGHTING ALL ON/ALL OFF
\$ ² _{LV}	-1	17-27	PROCESSING LIGHTING DAYLIGHT HALF LEVEL
	-2	17-27	PROCESSING LIGHTING ALL ON/ALL OFF
	DIM RAISE DIM LOWER		PROCESSING LIGHTING INCREASE LIGHT LEVEL (0-10V) PROCESSING LIGHTING DECREASE LIGHT LEVEL (0-10V)
\$ ³ _{LV}	-1	17-27	PROCESSING LIGHTING DAYLIGHT HALF LEVEL
	-2	17-27	PROCESSING LIGHTING ALL ON/ALL OFF
	DIM RAISE DIM LOWER		PROCESSING LIGHTING INCREASE LIGHT LEVEL (0-10V) PROCESSING LIGHTING DECREASE LIGHT LEVEL (0-10V)

**bradley gygi architect
& associates, pllc**

PO Box 570408 | Salt Lake City, UT 84152
801-747-2451

STAMP:

REGISTERED PROFESSIONAL
DAVID P. WHITTON
No. 264397
STATE OF UTAH
2025/09/15

HARRISVILLE DI INTERIOR REMODEL
WELFARE DI UTAH NORTH /
NORTHWEST REGION OFFICE

435 NORTH WALL AVE.
HARRISVILLE, UT

PROJECT FOR:

THE CHURCH OF
JESUS CHRIST
OF LATTER-DAY SAINTS

PROJECT NUMBER:
500021624010101

DATE:
15 SEPT 2025

PROPERTY NUMBER:
5000216

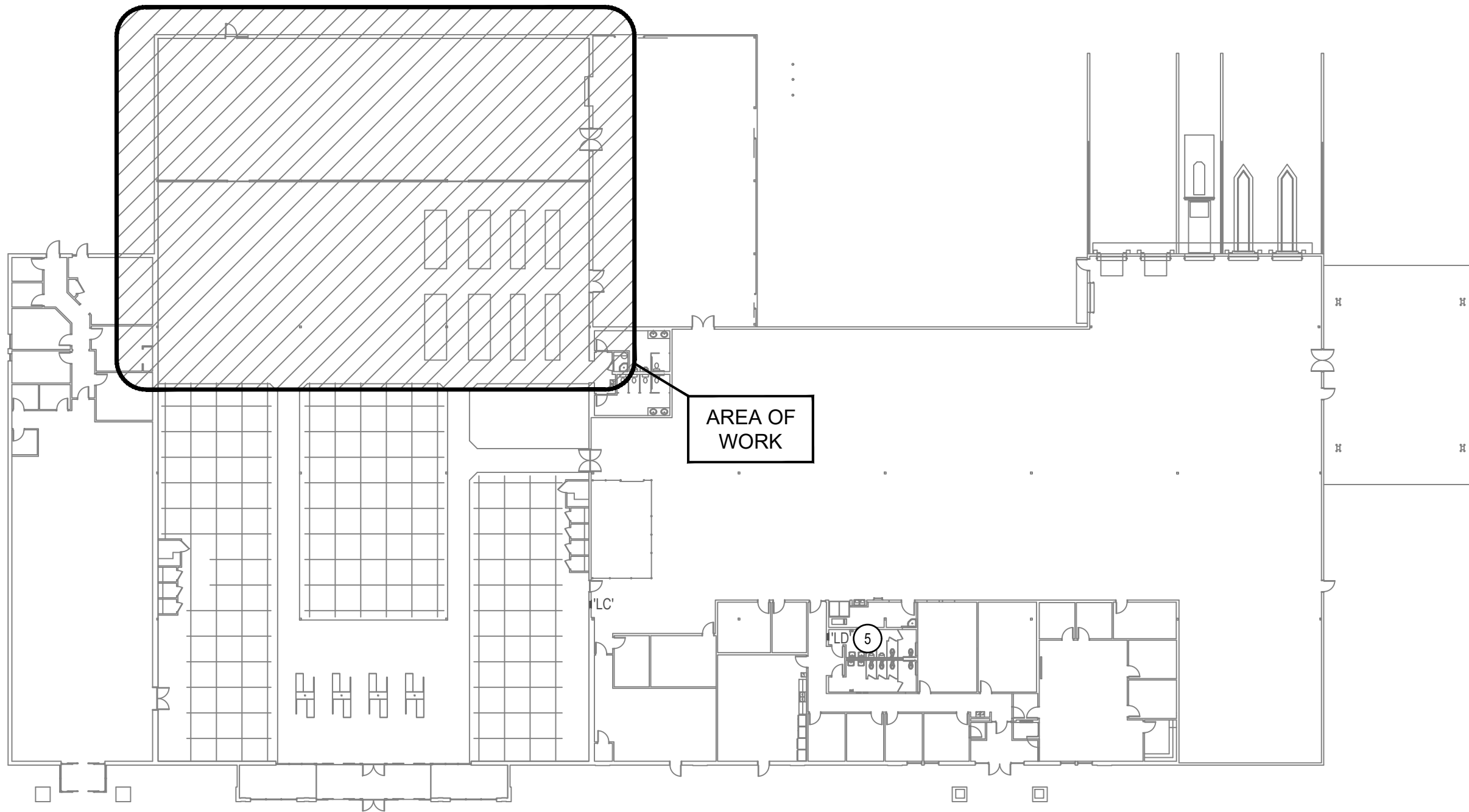
DRAWN BY: SDK
CHECKED: DPW

SHEET TITLE:

LIGHTING
CONTROLS

SHEET:

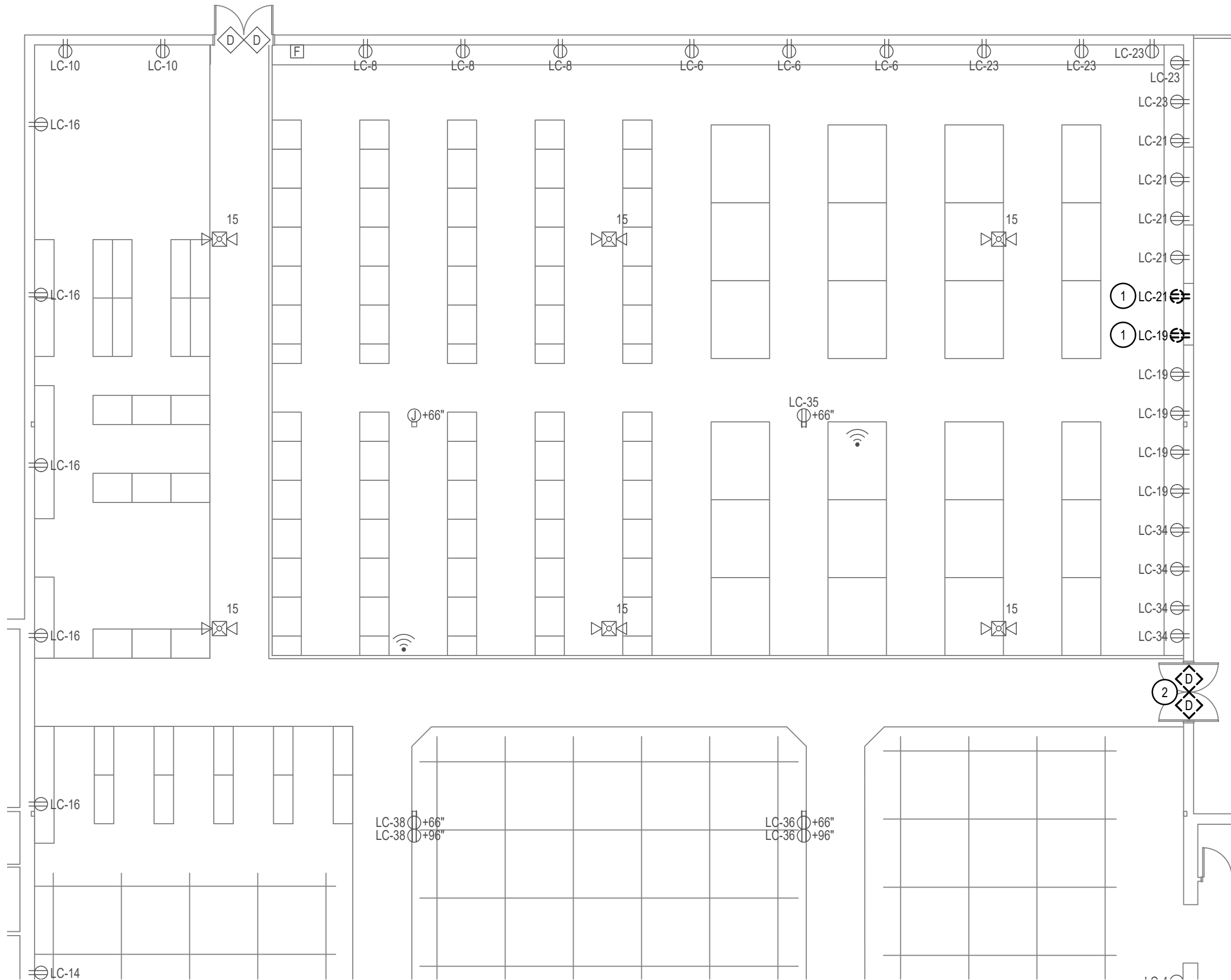
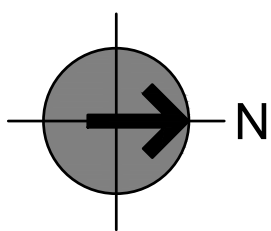
EL601



KEY FLOOR PLAN

SCALE: 1/32" = 1'-0"

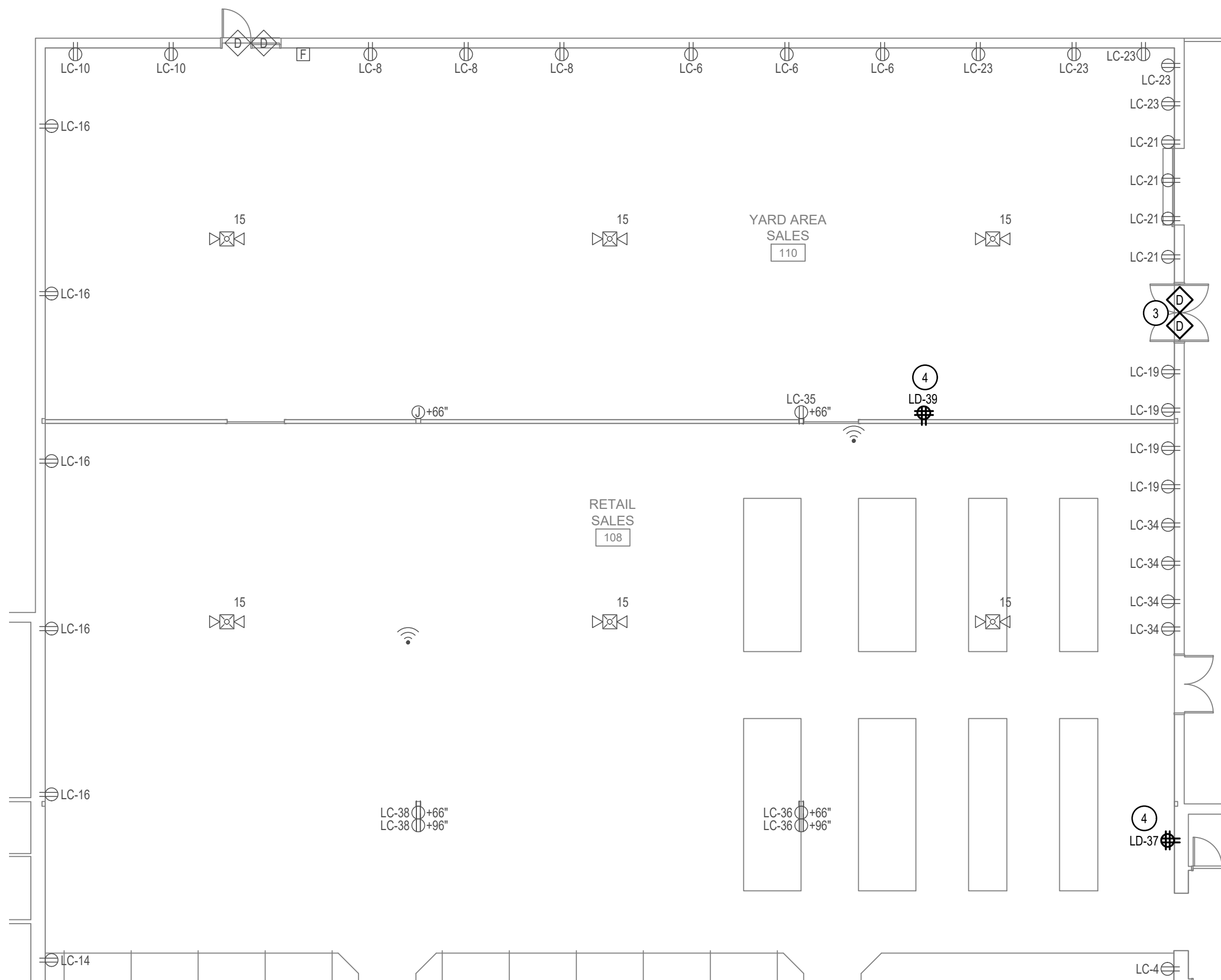
1



PARTIAL POWER DEMOLITION PLAN

SCALE: 3/32" = 1'-0"

2



PARTIAL POWER PLAN

SCALE: 3/32" = 1'-0"

3

GENERAL NOTES

1. REMOVE ANY UNUSED BRANCH CIRCUITS BACK TO THE SOURCE COMPLETELY. TURN OFF BREAKER AND LABEL 'SPARE'.
2. BRANCH CIRCUITS, IF SHOWN WERE TAKEN FROM EXISTING RECORD DRAWINGS AND PANEL SCHEDULES AND MAY NOT BE ACCURATE. CONTRACTOR TO TRACE OUT ALL CIRCUITS PRIOR TO ANY DEMOLITION.
3. THIS AND ANY OTHER DEMOLITION DRAWINGS ARE NOT INTENDED TO BE ALL-INCLUSIVE, NOR TO DEFINE THE SCOPE OF ALL DEMOLITION WORK REQUIRED FOR THIS PROJECT. DEMOLITION DRAWINGS ARE SHOWN ONLY TO AID THE CONTRACTOR IN PREPARING THE BID AND PERFORMING THE WORK. CONTRACTOR SHALL EXAMINE ALL CONTRACT DOCUMENTS AND VISIT THE SITE DURING BIDDING TO DETERMINE THE TOTAL EXTEND AND SCOPE OF THE DEMOLITION PORTION OF THIS WORK. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DEMOLITION WORK REQUIRED TO CARRY OUT THE WORK AS SHOWN IN THE CONTRACT DOCUMENTS.
4. ANY EXISTING CONDUITS, BOXES, ETC. THAT ARE LOCATED IN THE AFFECTED CONSTRUCTION AREA SHALL BE RELOCATED OR REROUTED AS NECESSARY.
5. THE CONTRACTOR SHALL TRACE ALL EXISTING CIRCUITS AND CONFIRM ALL DEVICES ON THE CIRCUIT PRIOR TO ANY DEMOLITION.
6. SEE SHEET EG001 FOR ADDITIONAL GENERAL DEMOLITION REQUIREMENTS.
7. THE DIVISION 26 CONTRACTOR SHALL DETERMINE THE EXACT ROUTING OF ALL CONDUITS AND CABLES IN THE FILED. THIS PLAN REPRESENTS A SCHEMATIC REPRESENTATION OF DEVICE LOCATIONS.
8. DO NOT CONNECT, MOUNT OR SUPPORT ANY ELECTRICAL FROM DATA / COMM MOUNTING OR WIRE MANAGEMENT.
9. CABLING SHALL BE RUN PERPENDICULAR AND PARALLEL TO SURFACES OF STRUCTURAL MEMBERS, AND FOLLOW SURFACE CONTOURS WHERE POSSIBLE.
10. CONTRACTOR SHALL COORDINATE ALL WALL MOUNTED DEVICES, FIXTURES AND EQUIPMENT HEIGHTS AND LOCATIONS WITH THE ARCHITECT PRIOR TO ANY ROUGH-IN.
11. ALL 120V, 20AMP OUTLETS THAT ARE WITHIN 6' OF ANY SINK SHALL BE GFCI.
12. SEE MECHANICAL SHEETS FOR REQUIRED RACEWAY AND BOXES FOR TEMPERATURE CONTROL.
13. THE CONTRACTOR SHALL VERIFY ALL MECHANICAL OVERCURRENT DEVICES FOR THE ACTUAL MECHANICAL EQUIPMENT SUPPLIED ON THE JOB. PRIOR TO ANY WORK BEING DONE, IF THE CONTRACTOR FAILS TO COORDINATE ANY CHANGES WILL BE DONE AT NO ADDITIONAL COST TO THE OWNER. CONTACT THE ELECTRICAL ENGINEER WITH ANY DISCREPANCIES.
14. PROVIDE LAMINATE LABEL ON NEW DISCONNECTS (FUSED, NON-FUSED, MANUAL STARTERS) WITH PANEL NAME, BRANCH CIRCUIT AND UNIT SERVED.
15. ALL NEW DISCONNECTS SHALL BE INSTALLED IN A LOCATION WHERE ALL NEC CLEAR SPACE AND WORKING SPACE REQUIREMENTS ARE MAINTAINED. SEE NEC 110.26 FOR SPACES ABOUT ELECTRICAL EQUIPMENT REQUIREMENTS. COORDINATE LOCATION WITH THE MECHANICAL CONTRACTOR AND MECHANICAL EQUIPMENT IN THE SPACE PRIOR TO ANY ROUGH-IN.
16. CONTRACTOR SHALL UTILIZE EXISTING DATA CABLING IN THE SPACE TO THE GREATEST EXTENT POSSIBLE. REMOVE ANY CABLING THAT IS NOT USED BACK TO THE DATA RACK ON THE MEZZANINE. PROVIDE ALL REQUIRED CABLE TESTING, TERMINATIONS, JACKS, FACE PLATES AND LABELING AT THE DATA RACK AND OUTLET.
17. CONTRACTOR TO EXTEND ANY NEW CABLING FROM THE EXISTING DATA RACK ON THE MEZZANINE. NEW DATA CABLING SHALL MATCH THE EXISTING INSTALL CABLE TYPE AND COLORS. EXISTING DATA CABLING IS ASSUMED TO BE CAT 6, CONTRACTOR VERIFY CABLE TYPE PRIOR TO THE BID. CONTRACTOR TO PROVIDE ANY ADDITIONAL PATCH PANELS AND ALL REQUIRED TESTING, TERMINATIONS AND LABELING AS NECESSARY FOR A COMPLETE INSTALLATION. CONTRACTOR TO PROVIDE ALL REQUIRED FACE PLATES AND JACK AS NECESSARY FOR A COMPLETE INSTALLATION.

KEYED NOTES (#)

1. DISCONNECT, REMOVE AND DISPOSE OF EXISTING RECEPTACLE AND COVER PLATE. REMOVE EXISTING CONDUIT AND BRANCH CIRCUIT BACK TO THE NEXT DEVICE THAT IS TO REMAIN IN PLACE. REWIRE ALL EXISTING DEVICES ON THE CIRCUIT SO THEY REMAIN OPERATIONAL DURING ALL PHASES OF THE CONSTRUCTION. CONTRACTOR TO TRACE OUT CIRCUIT PRIOR TO THE DEMOLITION TO DETERMINE CIRCUIT USED AND WHAT IS ON THE CIRCUIT.
2. DISCONNECT, REMOVE AND DISPOSE OF EXISTING INTRUSION DETECTION DOOR CONTACTS. REMOVE EXISTING CABLING TO AN ACCESSIBLE LOCATION FOR REUSE.
3. PROVIDE NEW INTRUSION DETECTION DOOR CONTACTS. RECONNECT TO THE EXISTING CABLE THAT WAS IN PLACE PRIOR TO THE DEMOLITION. CONFIRM CONNECTION REQUIREMENTS WITH THE SECURITY SYSTEM SUPPLIER. CONFIRM ALL REQUIREMENTS PRIOR TO ANY ROUGH-IN.
4. CONNECT TO EXISTING 20A, 1 POLE BREAKER IN PANEL AND SPACE INDICATED. CONTRACTOR TO CONFIRM CIRCUIT PRIOR TO CONNECTION. IF CIRCUIT IS DIFFERENT THAN WHAT IS SHOWN, MARK CIRCUIT USED ON THE REDLINE AS-BUILT DRAWINGS.
5. TURN OFF ALL SPARE BREAKERS AND BREAKERS THAT ARE NO LONGER USED. PROVIDE NEW TYPE WRITTEN UPDATED PANEL SCHEDULE INDICATING ALL CHANGES MADE, INCLUDING NEW EQUIPMENT OR LOAD NAME. HANDWRITTEN SCHEDULES WILL NOT BE APPROVED. DO NOT LIST EXISTING LOADS AS 'EXISTING LOAD'. IF EXISTING LOAD IS UNKNOWN, CONTRACTOR TO TRACE OUT CIRCUIT TO DETERMINE LOAD SERVED AND INDICATE LOAD SERVED AND LOCATION ON NEW PANEL SCHEDULE.



ENVISION
ENGINEERING

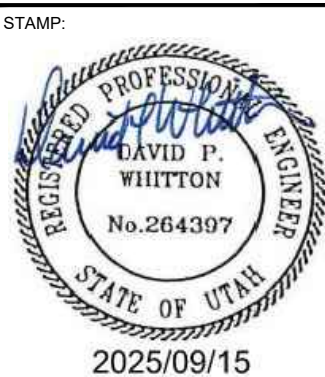
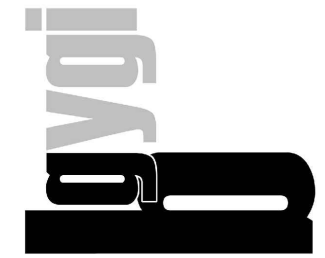
240 E. MORRIS AVE, SUITE 200
SALT LAKE CITY, UT 84115

P (801) 534-1130

www.envisioneng.com

ENV: 2025-217.00

**bradley gygi architect
& associates, pllc**
PO Box 670048 | Salt Lake City, UT 84152
801-747-2451



HARRISVILLE DI INTERIOR REMODEL
WELFARE DI UTAH NORTH /
NORTHWEST REGION OFFICE
435 NORTH WALL AVE.
HARRISVILLE, UT

PROJECT FOR:
**THE CHURCH OF
JESUS CHRIST
OF LATTER-DAY SAINTS**

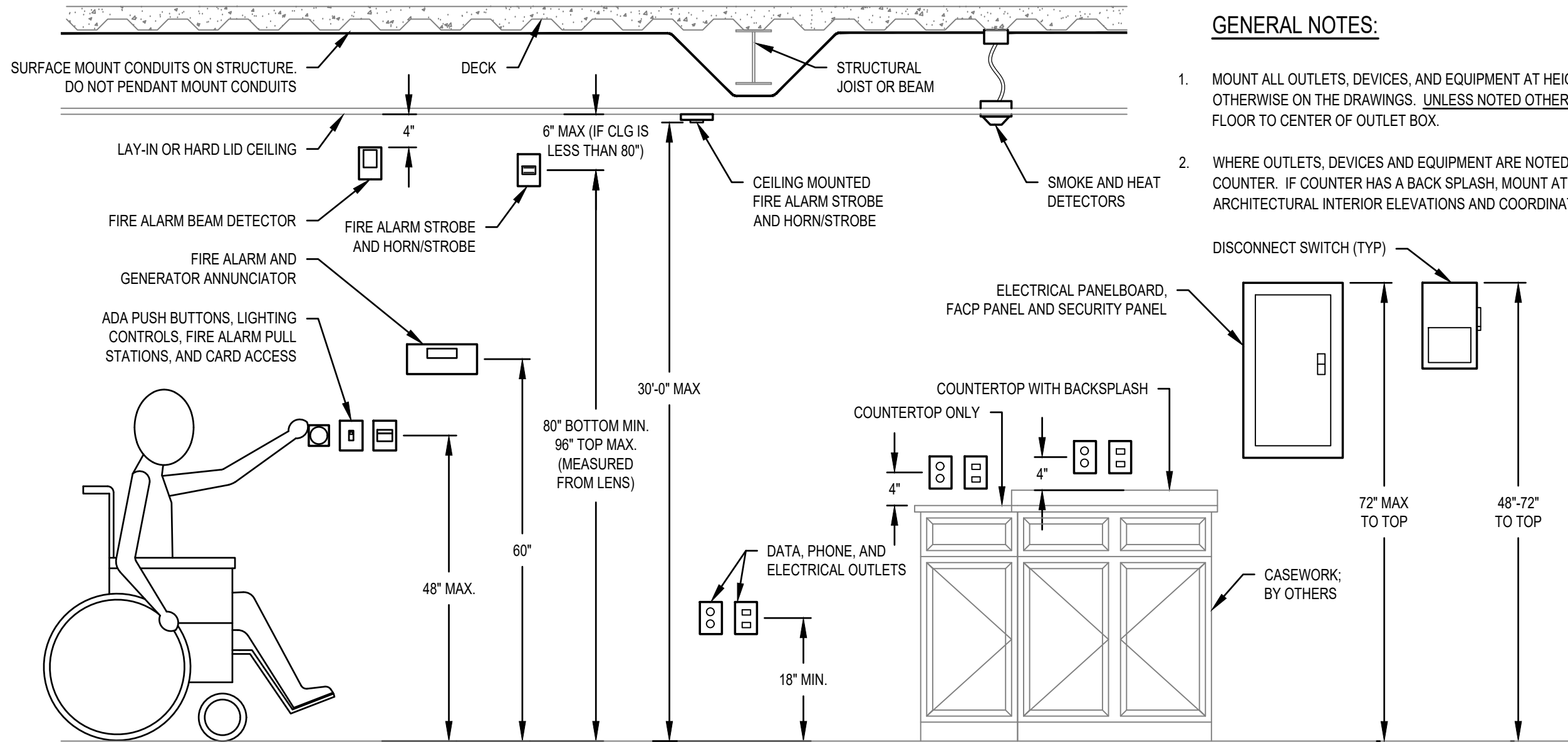
PROJECT NUMBER:
500021624010101
DATE:
15 SEPT 2025
PROPERTY NUMBER:
5000216

DRAWN BY: SDK
CHECKED: DPW

SHEET TITLE:
POWER PLANS

SHEET:
EP101





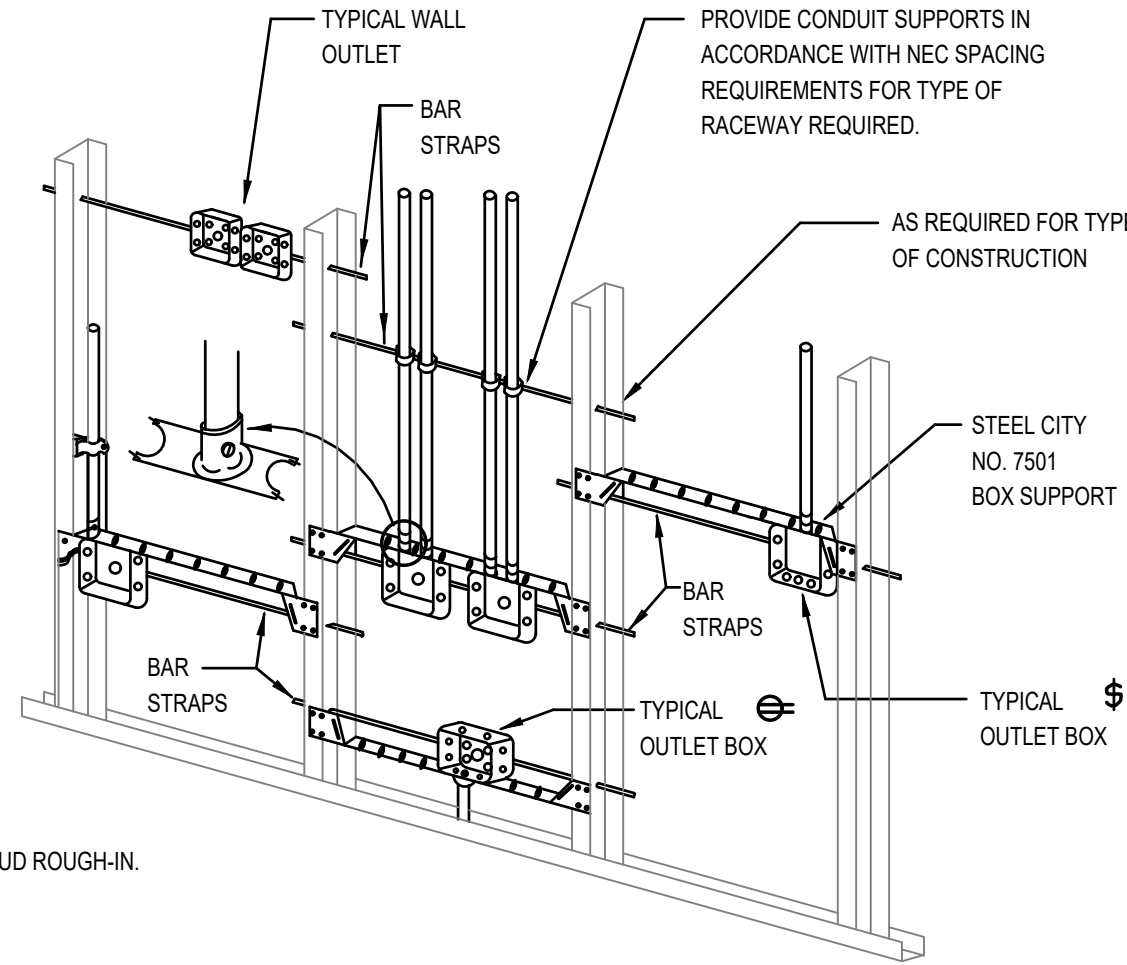
3 ADA AND EQUIPMENT MOUNTING HEIGHT DETAIL
SCALE: NONE

GENERAL NOTES:

1. MOUNT ALL OUTLETS, DEVICES, AND EQUIPMENT AT HEIGHTS INDICATED BELOW, UNLESS NOTED OTHERWISE ON THE DRAWINGS. UNLESS NOTED OTHERWISE, HEIGHTS ARE GIVEN FROM FINISHED FLOOR TO CENTER OF OUTLET BOX.
2. WHERE OUTLETS, DEVICES AND EQUIPMENT ARE NOTED BY THE SUBSCRIPT 'A', MOUNT AT 4" ABOVE COUNTER. IF COUNTER HAS A BACK SPLASH, MOUNT AT 4" ABOVE BACK SPLASH. REFER TO ARCHITECTURAL INTERIOR ELEVATIONS AND COORDINATE WITH CASEWORK SUPPLIER.

NOTES:

1. TYPICAL FOR WOOD AND METAL STUD ROUGH-IN.
2. PLASTER RINGS NOT SHOWN.
3. LOCATE ALL OUTLET BOXES IN ACCORDANCE WITH ARCHITECTURAL AND MECHANICAL DRAWINGS, AND WITH ALL APPLICABLE SHOP DRAWINGS.
4. IN ACCORDANCE WITH UBC 4303 OUTLETS ON OPPOSITE SIDES OF WALLS OR PARTITIONS IN THE SAME STUD SPACE MUST BE SEPARATED BY A MINIMUM OF 24" HORIZONTAL DISTANCE.



2 TYPICAL ROUGH-IN REQUIREMENTS
SCALE: NONE

IF PANEL BOARD IS FEED FROM A TRANSFORMER LOCATED IN THE SAME ROOM AS THE PANEL THE TOTAL LENGTH OF BRANCH CIRCUITS SHALL NOT EXCEED THE FOLLOWING:

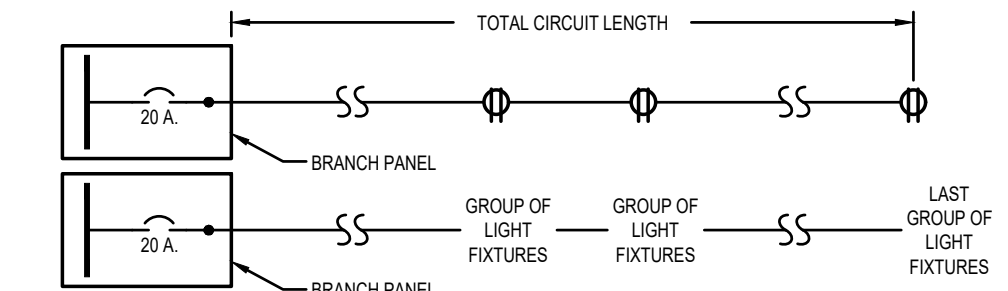
	120 VOLTS	277 VOLTS
a - USING #12 AWG	90 FT.	180 FT.
b - USING #10 AWG	150 FT.	300 FT.
c - USING #8 AWG	250 FT.	450 FT.
d - USING #6 AWG	380 FT.	700 FT.

THE ABOVE CIRCUIT LENGTHS ARE BASED ON 4% VOLTAGE DROP AT 16 AMPS LOAD AT THE END OF THE CIRCUIT. SAME WIRE SIZE SHALL BE USED FOR THE ENTIRE CIRCUIT.

IF PANELBOARD IS FEED FROM A TRANSFORMER LOCATED REMOTELY FROM THE PANEL THE TOTAL LENGTH OF BRANCH CIRCUITS SHALL NOT EXCEED THE FOLLOWING:

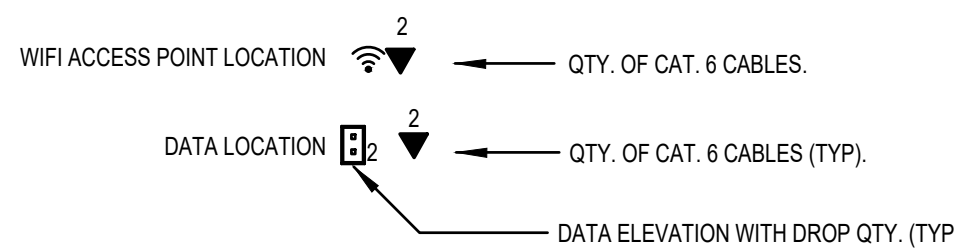
	120 VOLTS	277 VOLTS
a - USING #12 AWG	75 FT.	180 FT.
b - USING #10 AWG	125 FT.	260 FT.
c - USING #8 AWG	205 FT.	420 FT.
d - USING #6 AWG	325 FT.	660 FT.

THE ABOVE CIRCUIT LENGTHS ARE BASED ON 3% VOLTAGE DROP AT 16 AMPS LOAD AT THE END OF THE CIRCUIT. SAME WIRE SIZE SHALL BE USED FOR THE ENTIRE CIRCUIT.

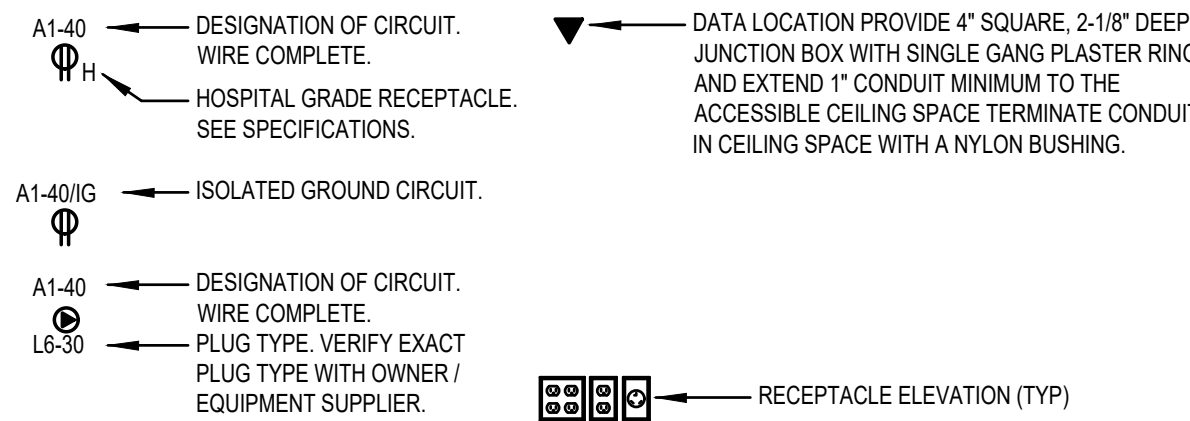


BRANCH CIRCUIT DEFINITION:
CIRCUIT ORIGINATING FROM A 20 AMP CIRCUIT BREAKER IN A BRANCH PANEL AND ENDING AT THE LAST DUPLEX OUTLET ON THE CIRCUIT OR ENDS AT THE LAST LIGHT FIXTURE.

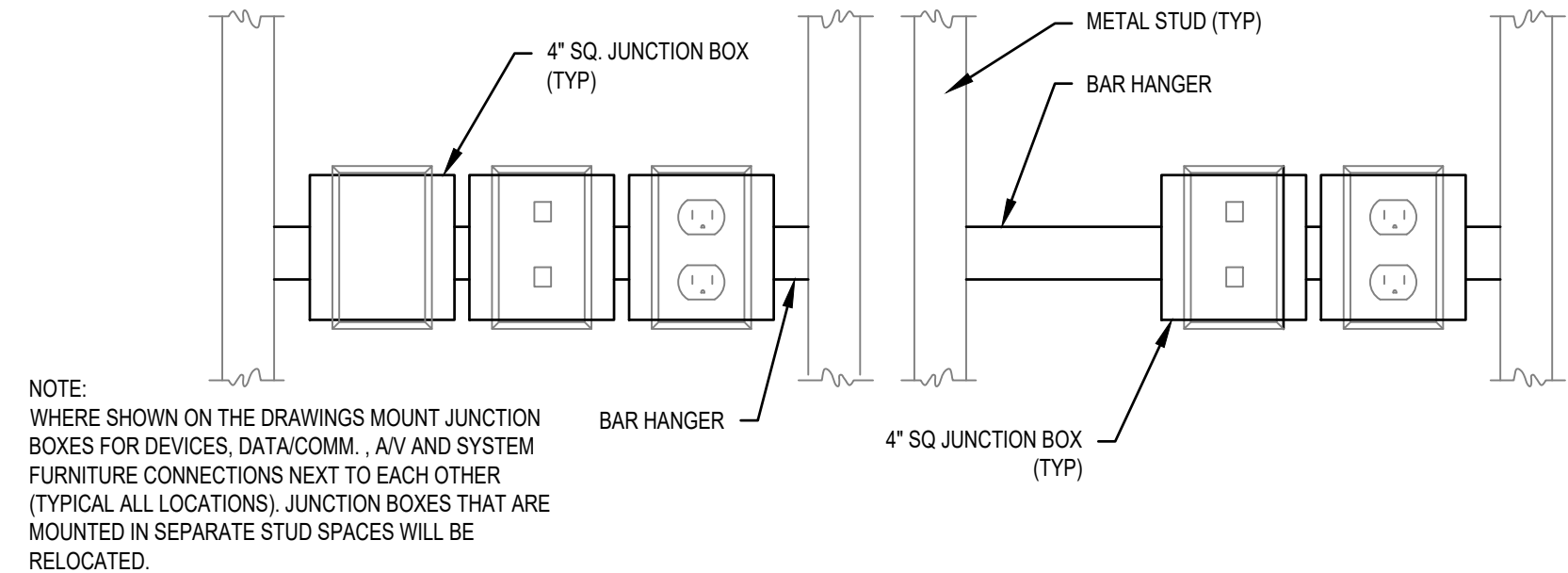
1 TYPICAL BRANCH CIRCUIT LENGTH DETAIL
SCALE: SCHEMATIC



6 DATA/COMMUNICATIONS SYMBOLS LEGEND:



5 TYPICAL OUTLET CONVENTION



4 TYPICAL JUNCTION BOX MOUNTING DETAIL
SCALE: NONE