

INTERMOUNTAIN LDSE ED CODE ROOM REMODEL

OWNER

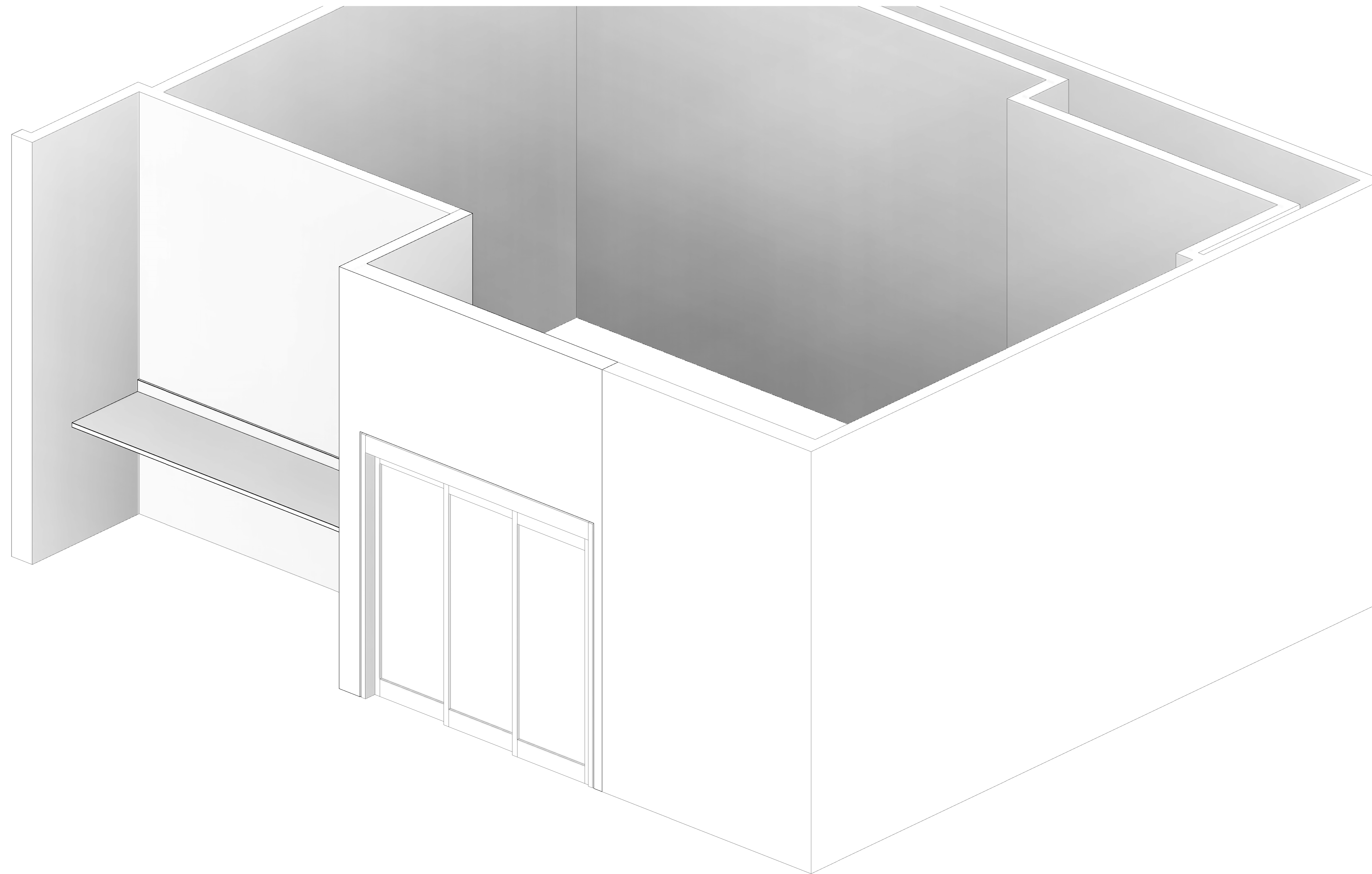
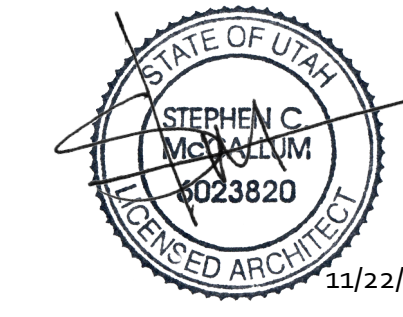
INTERMOUNTAIN HEALTHCARE
WALT SHUMWAY, PROJECT MANAGER
8TH AVE. & C STREET EAST
SALT LAKE CITY, UTAH 84143

ARCHITECT

INCLINE ARCHITECTS
1952 E BRYAN AVENUE
SALT LAKE CITY, UTAH 84108

MECHANICAL ENGINEER

SPECTRUM ENGINEERS
504 SOUTH STATE STREET, #400
SALT LAKE CITY, UTAH 84111

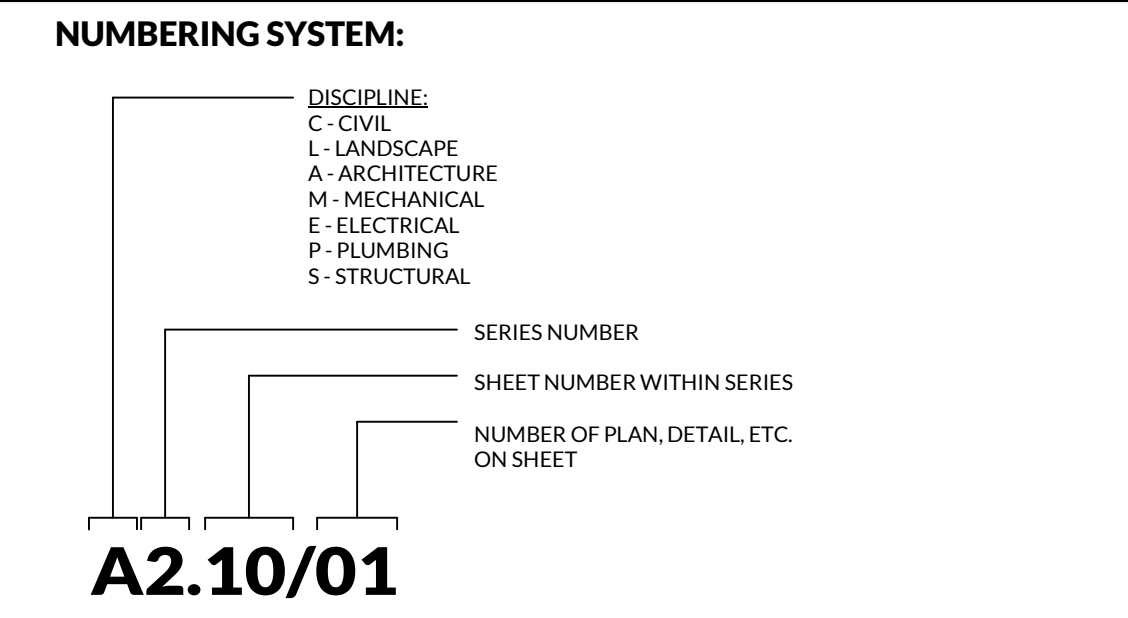


PERMIT SET

DRAWING ABBREVIATIONS

A	AC AIR CONDITIONING ACT ACUSTICAL CEILING TILE ADD ADDITIONAL ADJ ADJACENT AFF ABOVE FINISHED FLOOR AGGR AGGREGATE AL ALUMINUM ALT ALTERNATE ANOD ANODIZED APPROX APPROXIMATE ARCH ARCHITECTURAL AWS ARCHITECTURAL WOODWORK STANDARDS	B	BD BOARD BTWN BETWEEN BF BACKFACE BL BUILDING LINE BLDG BUILDING BLKG BLOCKING BM BEAM BOT BOTTOM BRG BEARING BSMT BASEMENT BW BEARING WALL	C	CDS CABINET DESIGN SERIES (AWS) CEM CEMENT CER CERAMIC CG CORNER GUARD CJ CAST IN PLACE CJ CONTROL JOINT CL CENTER LINE CLG CEILING CLR CLEAR CMU CONCRETE MASONRY UNIT COL COLUMN COMM COMMUNICATIONS CONN CONCRETE CONNECTION CONSTR CONSTRUCTION CONT CONTINUOUS COORD COORDINATE CORR CORRIDOR CR CARD READER CSK COUNTERSUNK CT CERAMIC TILE CTD CENTERED CTR CENTER CW CURTAIN WALL	D	D DEPTH DF DECORATIVE FILM DA DIAMETER DIAPH DIAPHRAGM DIM DIMENSION DJ DEFLECTION JOINT DL DEAD LOAD DWG DRAWING DWN DOWN	E	EX EXISTING EA EACH FACE EF EXTERIOR FINISH INSULATION & FINISH SYSTEM EJ EXPANSION JOINT EL ELEVATION ELEC ELECTRIC ELEV ELEVATOR EOS EDGE OF SLAB EQ EQUAL EQ EQUIPMENT ESC ESCALATOR EXR EXISTING TO REMAIN EW EACH WAY EXIST EXISTING EXP BOLT EXT EXTERIOR	F	FD FOUNDATION FE FIRE EXTINGUISHER FEC FIRE EXTINGUISHER CABINET FF FINISH FLOOR FIB FIBERGLASS FIN FINISH FLR FLOOR FS FLOOR SIDE FT FOOT FTR FLOOR TRANSITION FMWP FORMED METAL WALL PANEL FTG FOOTING FV FIELD VERIFY FVC FIRE VALVE CABINET	G	GA GALV GB GRADE BEAM GEN GENERAL GIR GALVANIZED IRON GL GLASS GM GLAZED MASONRY UNIT GRD GRADE GRG GLASS-REINFORCED GYPSUM GRND GROUND GYPSUM BOARD	H	HB HOSE BIB HDW HARDWARE HDWD HARDWOOD HOOD HOOD HM HOLLOW METAL HR HORIZONTAL HP HIGH POINT HR HOUR HRS HEADED STUD HSPK HOUSEKEEPING HT HEIGHT HW HAND WASH HW HEAD OF WALL	I	IBC INTERNATIONAL BUILDING CODE ID INSIDE DIAMETER INSUL INSULATION INT INTERIOR	J		K	K KIPS (1000 LB) KO KNOCK-OUT KP KEYPAD KPD KEYPAD KSF KIPS PER SQUARE FOOT	L	L ANGLE LAV LAVATORY LG LONG LNB LOCKABLE LL LIVE LOAD LLH LONG LEG HORIZONTAL LLV LONG LEG VERTICAL LOC LOCATION LP LOW POINT LT LIGHT LWC LIGHTWEIGHT CONCRETE	M	MAS MASONRY MATL MATERIAL MAX MAXIMUM MECH MECHANICAL MEMB MEMBRANE MEP MECHANICAL, ELECTRICAL, AND PLUMBING MFG MANUFACTURER MID MINIMUM MIN MINIMUM MISC MISCELLANEOUS MOD MODIFIED MTL METAL	N	NA NOT AVAILABLE NIC NOT IN CONTRACT NOM NOMINAL NS NEAR SIDE NTS NOT TO SCALE	O	OA OVER ALL OC ON CENTER OD OUTSIDE DIAMETER OFI OFFICER INSTALLED OFI OWNER FURNISHED, OWNER INSTALLED OH OPOSITE HAND OPG OPENING OPP OPPOSITE OSF OUTSIDE FACE	P	PC PRECAST CONCRETE PF PORTLAND CEMENT PP PORTLAND CEMENT PLASTER PENT PENTHOUSE PL PROPERTY LINE PLM PLUMBING PLUM PLUMBING PLYWD PLYWOOD PP PUSH PLATE POL POLISHED PORT CEM PORTLAND CEMENT PAIR PAIR PREFAB PREFABRICATED PFS POUNDS PER SQUARE FOOT PSI POUNDS PER SQUARE INCH PT POINT PT PNEUMATIC TUBE PTD PAINTED	R	R RISER RAD RADIUS RCP REFLECTED CEILING PLAN RD ROOF DRAIN REBAR REINFORCING BAR RECF RECEPTACLE REF REFER OR REFERENCE RENF REINFORCING RELOC RELOCATE/RELOCATED REQD REQUIRED ROOM ROOM RO ROUGH OPENING ROW RIGHT OF WAY	S	SAB SOUND ATTENUATION BLANKET SBC STANDARD BUILDING CODE SCHD SCHEDULE SCL SUPERIMPOSED DEAD LOAD SECT SECTION S/H SINGLE HUNG SHOWER SHOWER SIM SIMILAR STRUC STRUCTURAL OPENING SLAB ON GRADE STAND PIPE SPACE, SPACING SPECIFICATION SQ SQUARE SS STAINLESS STEEL SFS SOLID SURFACE STATION STC SOUND TRANSMISSION CLASS STND STANDARD STIFF STIFF STIRRUP STIRRUP STL STEEL STRUC STRUCTURAL SYM SYMMETRICAL SYS SYSTEM	T	T TREAD T&B TOP AND BOTTOM TC TOP OF CURB TEL TELEPHONE TEMP TEMPERATURE THK THICK TILE TILE TLT TOILET TO TOP OF TOB TOP OF BEAM TOC TOP OF CONCRETE TOF TOP OF FOOTING TOP TOP OF PARAPET TOS TOP OF SLAB TOTL TOP OF STEEL TRSH CHUTE TW TOP OF WALL TYP TYPICAL	U	UC UNDER COUNTER UG UNDERGROUND UNO UNLESS NOTED OTHERWISE	V	VAR VARIES VCT VERTICAL VEST VESTIBULE VWC VINYL WALL COVERING	W	W/ WITH W/C WHEEL CHAIR W/O WITHOUT W/ WITH WP WATERPROOFING W/W WIDE FLANGE WL WIND LOAD WP WORK POINT WPO WORK POINT - POINT OF ORIGIN WP1 WORK POINT - NUMBERED WWF WELDED WIRE FABRIC
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INDEX OF DRAWINGS



LEGEND

MATERIALS	
	CONCRETE/PRECAST CONCRETE
	SOIL
	SAND, EIFS FINISH COAT, OR CEMENT PLASTER
	BRICK
	CMU
	STONE
	GLASS MINERAL FIBER BATT INSULATION
	GLASS MINERAL FIBER SEMI RIGID INSULATION
	MINERAL WOOL SEMI RIGID INSULATION
	EXPANDED POLYSTYRENE RIGID INSULATION
	EXTRUDED POLYSTYRENE RIGID INSULATION
	POLYISOCYANURATE RIGID INSULATION
	GYPSUM BOARD
	EXTERIOR GYPSUM SHEATHING
	EXTERIOR CEMENT BOARD
	COATED GLASS MAT WATER RESISTANT GYPSUM BOARD
	PLYWOOD
	COVER BOARD

DRAWING SYMBOLS

	PROJECT SCOPE BOUNDARY LINE
	EXISTING COLUMN CENTERLINE
	COLUMN CENTERLINE
	BUILDING SECTION
	WALL SECTION
	SECTION DETAIL
	ELEVATION
	PLAN DETAIL
	INTERIOR ELEVATION INDICATOR
	TRUE NORTH DIRECTION INDICATOR, IF APPLICABLE
	PROJECT NORTH DIRECTION INDICATOR
	ROOM NAME/NUMBER
	ACCESSORY/EQUIP-REF TO A2.21 FOR INFO
	CABINETRY TAG (AWS CDS NUMBER, REF TO AWS STNDS)
	DEPTH 'MODIFICATION', WHERE OCCURS
	HEIGHT (FLOOR TO TOP OF COUNTER)
	MODIFICATION DESCRIPTION, IF APPLIES
	CORNER GUARDS
	CHAIR RAIL
	WALL PROTECTION
	PARTITION TYPE WITH NO SOUND ATTENUATION
	PARTITION TYPE WITH SOUND ATTENUATION
	DOOR TAG - REF TO A2.21 FOR SCHEDULE

DEFERRED SUBMITTALS

DIVISION 21	NO CHANGE
DIVISION 28	NO CHANGE

PROJECT SUMMARY

PROJECT INFORMATION

PROJECT NAME: INTERMOUNTAIN LD SHED CODE ROOM REMODEL
ADDRESS: 8TH AVE & C STREET EAST, SALT LAKE CITY, UTAH 84143
OWNER CONTRACT: WALT SHUMWAY, PROJECT MANAGER
PHONE: (801) 314-2260

APPLICABLE CODES

- BUILDING CODE: 2018 IBC/IEBC	- LIFE SAFETY CODE: 2012
- MECHANICAL: 2018 IMC	- ACCESSIBILITY CODE: 2009 ICC/ANSI A117.1
- PLUMBING: 2018 IPC	- ENERGY CODE: 2018 IECC
- ELECTRICAL: 2017 NEC	- FIRE CODE: 2018
- FIRE CODE: 2018 IFC	- ANS: ICC/ANSI 117.1.2009
- FUEL CODE: 2018 IFGC	

BUILDING PLANNING

OCCUPANCY	MIXED OCCUPANCY	I-2	IBC, CHAPTER 3
ESSENTIAL FACILITY	YES	NO	IBC TABLE 1604.5

TYPE OF CONSTRUCTION

CONSTRUCTION TYPE	EXISTING	IBC TABLE 601
MAX ALLOWABLE AREA	EXISTING	IBC TABLE 506.2
ACTUAL AREA	460 SF (AFFECTED AREA OF SCOPE OF WORK)	NO MODIFICATION TO BUILDING
MAX ALLOWABLE STORIES	EXISTING	IBC TABLE 504.4
ACTUAL STORIES	NO MODIFICATION	NO MODIFICATION TO BUILDING
MAX ALLOWABLE HEIGHT	EXISTING	IBC TABLE 504.3
OCCUPANCY SEPARATION	EXISTING	NO MODIFICATION

IEBC REVIEW

CLASSIFICATION OF WORK	IEBC CHAPTER 6, LEVEL 2 ALTERATIONS
RELEVANT IEBC PROVISIONS	IEBC CHAPTER 7

FIRE PROTECTION SYSTEM

FIRE EXTINGUISHING SYSTEM	YES	NO	EXISTING
RIGID PIPE SYSTEM	YES	NO	EXISTING
SMOKE CONTROL	YES	NO	EXISTING

ACCESSIBILITY REVIEW

ACCESSIBLE ALTERATIONS ARE NOT REQUIRED, AS THE SCOPE OF WORK IS LIMITED TO ADDING A DOOR TO AN EXISTING SPACE. SEE EXCEPTION 2 FOR IEBC SECTION 505.7 BELOW.

IEBC CHAPTER 3 - SECTION 305
305.7 ALTERATIONS AFFECTING AN AREA CONTAINING A PRIMARY FUNCTION
WHERE AN ALTERATION AFFECTS THE ACCESSIBILITY TO, OR CONTAINS AN AREA OF PRIMARY FUNCTION, THE ROUTE TO THE PRIMARY FUNCTION AREA SHALL BE ACCESSIBLE. THE ACCESSIBLE ROUTE TO THE PRIMARY FUNCTION AREA SHALL INCLUDE TOILET FACILITIES AND DRINKING FOUNTAINS SERVING THE AREA OF PRIMARY FUNCTION.

EXCEPTIONS:
2) THIS PROVISION DOES NOT APPLY TO ALTERATIONS LIMITED SOLELY TO WINDOWS, HARDWARE, OPERATING CONTROLS, ELECTRICAL OUTLETS, AND SIGNS.

ZONING | BUILDING SUMMARY

PER SALT LAKE CITY - CHAPTER 21A.22 ZONING DISTRICTS

ZONE	URBAN INSTITUTIONAL U1
LOT AREA	ONE ACRE MINIMUM
LOT WIDTH	150 FEET
BUILDING USE	HOSPITAL

GENERAL BUILDING LIMITATIONS - CHAPTER 21A.32.090.H

ITEM	MINIMUM	ACTUAL DESIGN
FRONT YARD SETBACK	30 FEET FROM ROW	EXISTING, NO MODIFICATION
CORNER SIDE YARD SETBACK	30 FEET FROM ROW	EXISTING, NO MODIFICATION
INTERIOR SIDE YARD SETBACK	15 FEET FROM ROW	N/A
REAR YARD SETBACK	25 FEET FROM ROW	EXISTING, NO MODIFICATION
BUILDING HEIGHT	75 FEET	EXISTING, NO MODIFICATION

LANDSCAPING - CHAPTER 21A.32.090.I

NO MODIFICATIONS TO EXISTING LANDSCAPE

PARKING - CHAPTER 21A.32.090.K

NO MODIFICATIONS TO EXISTING PARKING

PLUMBING FIXTURE SUMMARY

NO CHANGE PER PROJECT SCOPE OF WORK

VICINITY MAP



SHEET INDEX

SHEET NUMBER	SHEET NAME	16 NOV 2021 - 99% CDS SET	24 NOV 2021 - PERMIT SET
A0.00	COVER	X	X
A0.01	PROJECT INFO	X	X
A0.02	ICRA DOCUMENTS	X	X
ARCHITECTURAL			
A2.01	DEMO PLANS	X	X
A2.21	FLOOR PLAN, RCP, DOOR SCHEDULE, DETAILS	X	X
A3.00	WALL TYPES & DETAILS	X	X
MECHANICAL			
M0.01	MECHANICAL COVER SHEET	X	X
M0.02	MECHANICAL SPECIFICATIONS	X	X
M0.03	LEVEL 1 MECHANICAL DEMO PLAN	X	X
M1.02	LEVEL 1 MECHANICAL PLAN	X	X
M5.01	MECHANICAL DETAILS	X	X

LIFE SAFETY PLAN

LIFE SAFETY GENERAL NOTES

- STENCIL "1 HOUR FIRE BARRIER" ON BOTH SIDES OF 1-HOUR RATED WALLS ABOVE CEILING AT 4'-0" INTERVALS WHERE APPLICABLE.
- EXISTING FIRE RATINGS WERE OBTAINED FROM THE AS-BUILT CAD FILE "100 LEVEL 01 CODE ANALYSIS".
- EXISTING OCCUPANCIES WILL NOT CHANGE AS A RESULT OF THIS REMODEL AND THEREFORE ARE NOT ADDING ADDITIONAL OCCUPANT LOADS; EXISTING EGRESS REQUIREMENTS TO REMAIN.

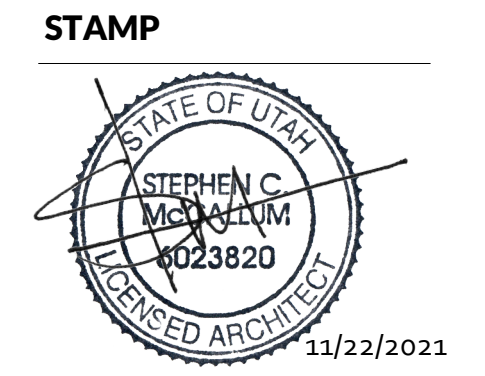
LIFE SAFETY PLAN LEGEND

	ROOM OCCUPANCY AND AREA		1 HOUR FIRE WALL
	OCCUPANT LOAD AT ROOM EGRESS POINT		2 HOUR FIRE WALL
	EXIT LOAD		3 HOUR FIRE WALL
	REQUIRED EXIT WIDTH		4 HOUR FIRE WALL
	EXIT WIDTH PROVIDED		NON-RATED SMOKE WALL
	EXIT CAPACITY		1 HOUR SMOKE WALL
	TRAVEL DISTANCE FROM THE MOST REMOTE POINT TO NEAREST EXIT		2 HOUR SMOKE WALL
	ACCESSIBLE PATH OF TRAVEL TO PROJECT AREA		NON-RATED SHAFT WALL
	ALL AREAS 1-2 OCCUPANCY UNO		1 HOUR SHAFT WALL
			2 HOUR SHAFT WALL
			EXISTING SMOKE COMPARTMENT BOUNDARY

OCCUPANCY SCHEDULE

AREA NAME	SQFT	PRIMARY FUNCTION	OCCUPANT LOAD FACTOR	OCCUPANT LOAD
TRMT	459 SF	OUTPATIENT AREA	100	5
TOTAL OCCUPANTS:				5

01 LIFE SAFETY PLAN
1/16" = 1'-0"



MECHANICAL ENGINEER
SPECTRUM ENGINEERS
324 SOUTH STATE STREET, #400
SALT LAKE CITY, UTAH 84111

INTERMOUNTAIN LD SHED CODE ROOM REMODEL
8TH AVE & C STREET EAST
SALT LAKE CITY, UTAH 84143



REVISIONS

NO.	DESCRIPTION	DATE

INCLINE: 21-026
OWNER: 10013781

24 NOV 2021

PERMIT SET

PROJECT INFO

A0.01

PeopleSoft Project # or Job Name: 10013781, LDSH, ED Code Room

Infection Control Risk Assessment (ICRA) Work Permit



Facility or Location: LDSH, ED; Project Start Date; Contractor Project Manager; Estimated Completion Date; Affected Department Supervisor Signature: Amy Askerlund; Environmental Service Supervisor Signature: Pamala Kelley; Intermittent Project Manager Signature: mark Richins; Construction Activity Class (Class I, II, III, IV); Specific Areas to be Affected by This Work: LDSH, ED

PeopleSoft Project # or Job Name: 10013781, LDSH, ED Code Room

10. Describe the Project Communication Plan for traffic patterns, EVS, etc.: Weekly OAC meeting to communicate information to teams and discuss progress and needs for each team.

11. Describe the Project Monitoring Plan for infection control, safety, etc.: IP involved in planning meetings. IP to inspect barriers prior to work beginning. Weekly monitoring of site including negative pressure log and integrity of enclosure.

12. Contractor Acknowledgment and Compliance with ICRA Work Permit

Contractor Signature indicates compliance with the parameters associated with this ICRA Work Permit. Name: Date:

13. Project Closeout (See last page for on-going review form)

Signature for project closure, final review and approval for using the area: (Facility Maintenance for Class I & II, Infection Prevention for Class III & IV). Name: Date:

PeopleSoft Project # or Job Name: 10013781, LDSH, ED Code Room

Construction Activity Class Worksheet

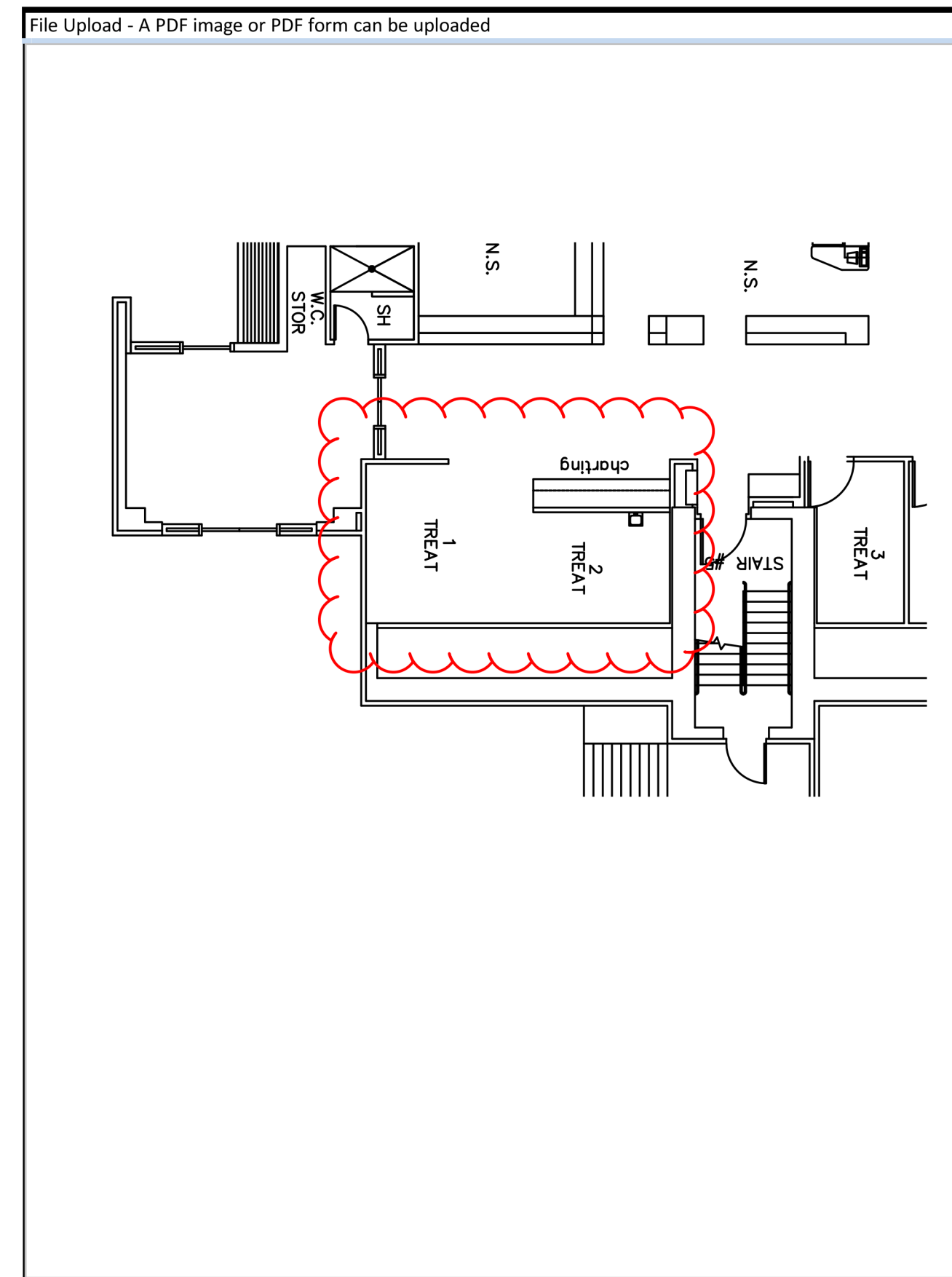
Complete Steps 1 through 3, then see Step 4. STEP 1. Determine Construction Activity Type:

Type A: Inspection and non-invasive activities; Type B: Small scale, short duration activities; Type C: Generates moderate or high levels of dust; Type D: Major demolition or construction that creates major disruption.

STEP 2. Determine Infection Control Risk Group:

Lowest, Medium, High, Highest risk groups with associated clinical departments like Cardiology, Surgery, etc.

PeopleSoft Project # or Job Name: 10013781, LDSH, ED Code Room



PeopleSoft Project # or Job Name: 10013781, LDSH, ED Code Room

STEP 3. Use the classifications from STEP 1 and 2 to determine the Construction Class below:

Construction Activity Type* table with columns for Patient Risk (Lowest, Medium, High, Highest) and Construction Class (I, II, III, IV).

4. Follow all the appropriate Infection Control Protocols below: (Hand hygiene stations must be available)

During Construction and Upon Completion protocols for Class I, II, III, and IV, including dust control and containment measures.

- Non-construction visitors wear shoe covers when VISITING construction area; Construction workers wear shoe covers when Leaving the construction area; Provide Neg Pressure Air Monitoring Log During Construction; Construct anteroom outside area of construction; Workers to wear clean paper overalls and shoe covers when entering/exiting site.

PeopleSoft Project # or Job Name: 10013781, LDSH, ED Code Room

Table for Class I & II projects reviewed by Facility Maintenance and Class III & IV by Infection Prevention. Columns: Date, Initials, Comments.

See additional rounding sheet

PeopleSoft Project # or Job Name: 10013781, LDSH, ED Code Room

Additional Requirements for This Area:

Initials: Date:

Other Considerations for Work Impact

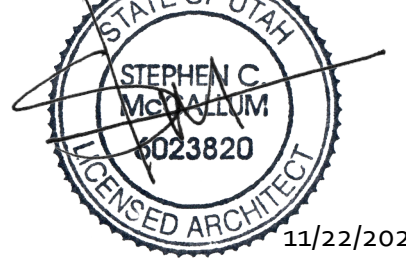
1. Identify the risk levels of areas that are adjacent to the project; 2. Identify likely outages and their effects; 3. Describe specific containment measures; 4. Describe specific risks associated with water damage; 5. Describe noise and vibrations; 6. Identify the project work hours.

- 7. Do plans allow for sufficient isolation/negative airflow rooms?; 8. Do plans allow for sufficient hand washing sinks per AIA guidelines?; 9. Do plans allow for sufficient access to clean and soiled utility rooms?



1952 E BRIAN AVENUE SALT LAKE CITY, UTAH 84108

STATE OF UTAH ARCHITECTS



MECHANICAL ENGINEER

SPECTRUM ENGINEERS 324 SOUTH STATE STREET, #400 SALT LAKE CITY, UTAH 84111

INTERMOUNTAIN LDSH ED CODE ROOM REMODEL 8TH AVE & C STREET EAST SALT LAKE CITY, UTAH 84143



REVISIONS table with columns: NO., DESCRIPTION, DATE.

INCLINE: 21-026 OWNER: 10013781

24 NOV 2021

PERMIT SET

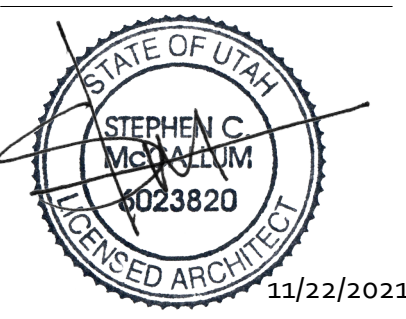
ICRA DOCUMENTS

A0.02



1952 E BRIAN AVENUE
SALT LAKE CITY, UTAH 84108

STAMP



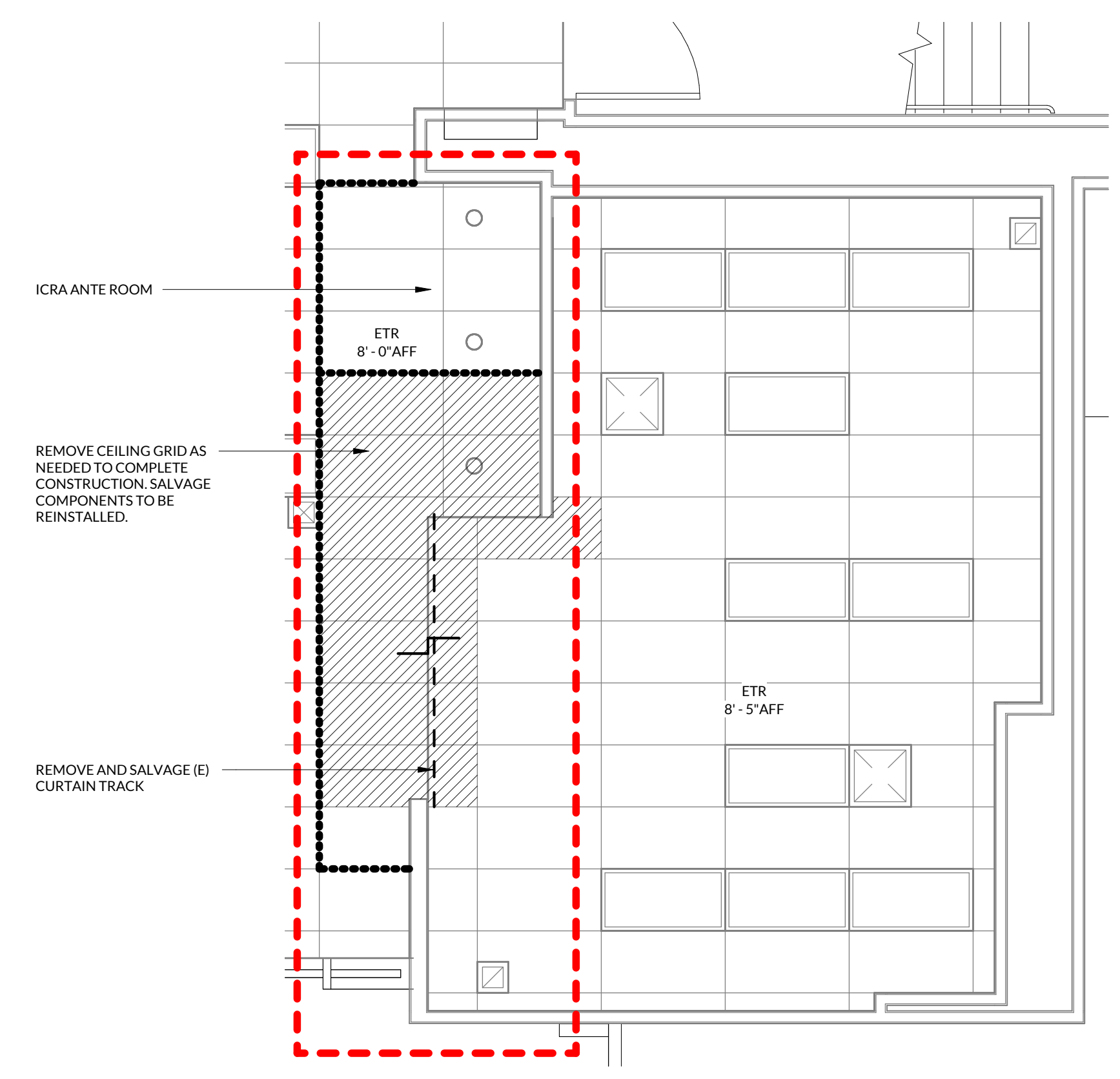
MECHANICAL ENGINEER
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324 SOUTH STATE STREET, #400
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DEMOLITION GENERAL NOTES

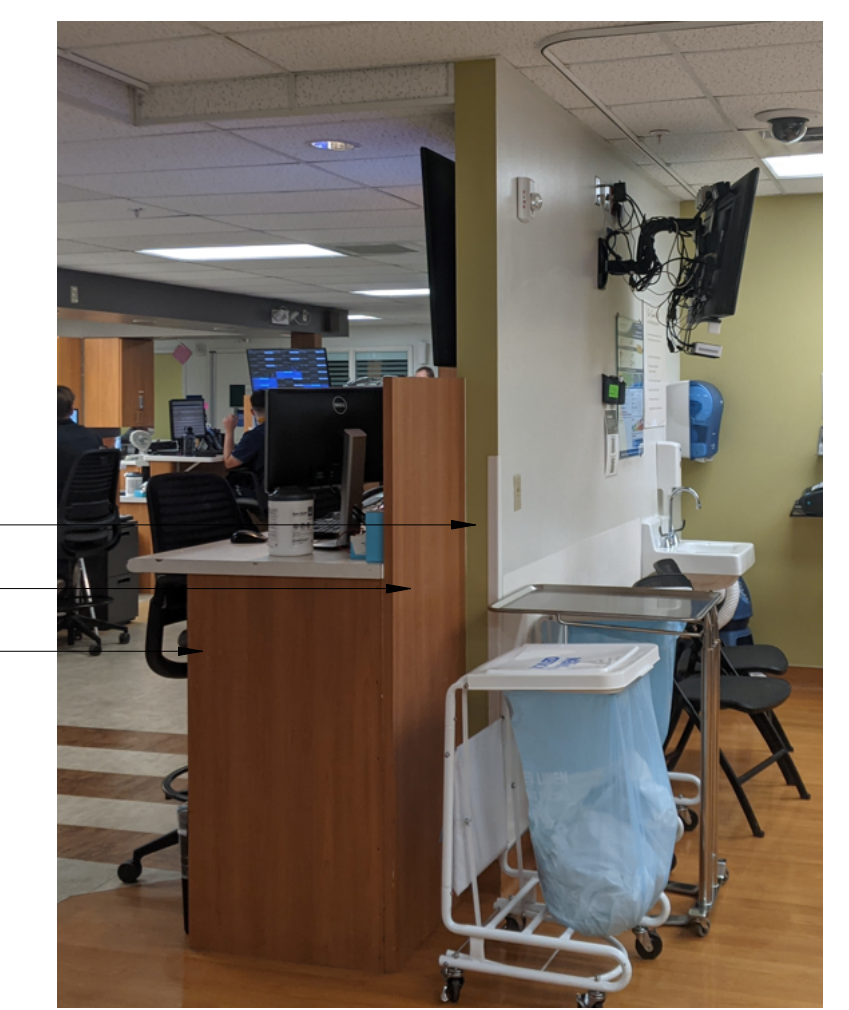
- REFER TO SPECIFICATION SECTION 02 4139 - SELECTIVE DEMOLITION FOR SPECIFIC PROJECT REQUIREMENTS.
- REFER TO DEMOLITION SYMBOLS LEGEND ON DRAWINGS.
- CONTRACTOR TO COORDINATE DEMOLITION WORK SEQUENCE.
- DEMOLITION DRAWINGS REPRESENT EXISTING CONDITIONS BASED ON LIMITED EXISTING DRAWINGS AND SITE OBSERVATIONS. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING BUILDING AND SITE CONDITIONS.
- DEMOLITION DRAWINGS GENERALLY INDICATE EXISTING SCOPE OF WORK TO BE DEMOLISHED AND ARE NOT INTENDED TO LIMIT OR FULLY DEFINE THE SCOPE OF WORK TO BE REMOVED IN ORDER TO ACCOMPLISH SCOPE OF NEW CONSTRUCTION. WHERE THESE CONDITIONS OCCUR OUTSIDE OF THE DEMOLITION LIMITS, AREAS SHALL BE RETURNED TO THEIR ORIGINAL CONDITION AS PART OF THE NEW CONSTRUCTION SCOPE OF WORK.
- CONTRACTOR SHALL NOTIFY ARCHITECT OF ANY CONFLICTS BETWEEN EXISTING CONSTRUCTION AND CONSTRUCTION DOCUMENTS.
- REFERENCE STRUCTURAL, CIVIL AND MEP DRAWINGS FOR OTHER DISCIPLINE DEMOLITION SCOPE OF WORK.
- WHERE EXISTING WALL-MOUNTED DEVICES, FIXTURES, OR OTHER WALL-MOUNTED ITEMS ARE SCHEDULED TO BE SALVAGED, REFERENCE CONSTRUCTION DRAWINGS FOR NEW LOCATIONS OR COORDINATE WITH OWNER FOR STORAGE LOCATION.
- WHERE PARTITIONS ARE SCHEDULED TO BE REMOVED, DEMOLITION SHOULD INCLUDE MISCELLANEOUS BRACING, TRACK, ETC. TO BOTTOM OF STRUCTURE. CONTRACTOR SHALL MAINTAIN ALL REQUIRED EXITS UNOBSTRUCTED, ILLUMINATED, AND PROTECTED FROM CONSTRUCTION ACTIVITIES.
- CONTRACTOR TO CLEAN AREAS ADJACENT TO DEMOLITION AREA OF DUST, DIRT, AND DEBRIS CAUSED BY DEMOLITION OPERATIONS.
- PROMPTLY DISPOSE OF DEMOLISHED MATERIALS. DO NOT ALLOW DEMOLISHED MATERIALS TO ACCUMULATE ON-SITE. TRANSPORT DEMOLISHED MATERIALS AND LEGALLY DISPOSE OF THEM.
- CONTRACTOR TO REMOVE ALL EXISTING FURNITURE AND EQUIPMENT FROM DEMOLITION AREA AND COORDINATE THEIR STORAGE OR RELOCATION (IF APPLICABLE) WITH OWNER.
- ICRA BARRIER AND ANTEROOM LAYOUT SHALL NOT REDUCE THE EXISTING CORRIDOR WIDTH TO LESS THAN 6'-0" CLEAR.
- CONTRACTOR SHALL MAINTAIN NEGATIVE PRESSURE WITHIN THE ACTIVE CONSTRUCTION ZONE AND UTILIZE HEPA FILTRATION TO PROTECT PATIENTS IN ADJACENT AREAS.

DEMOLITION LEGEND

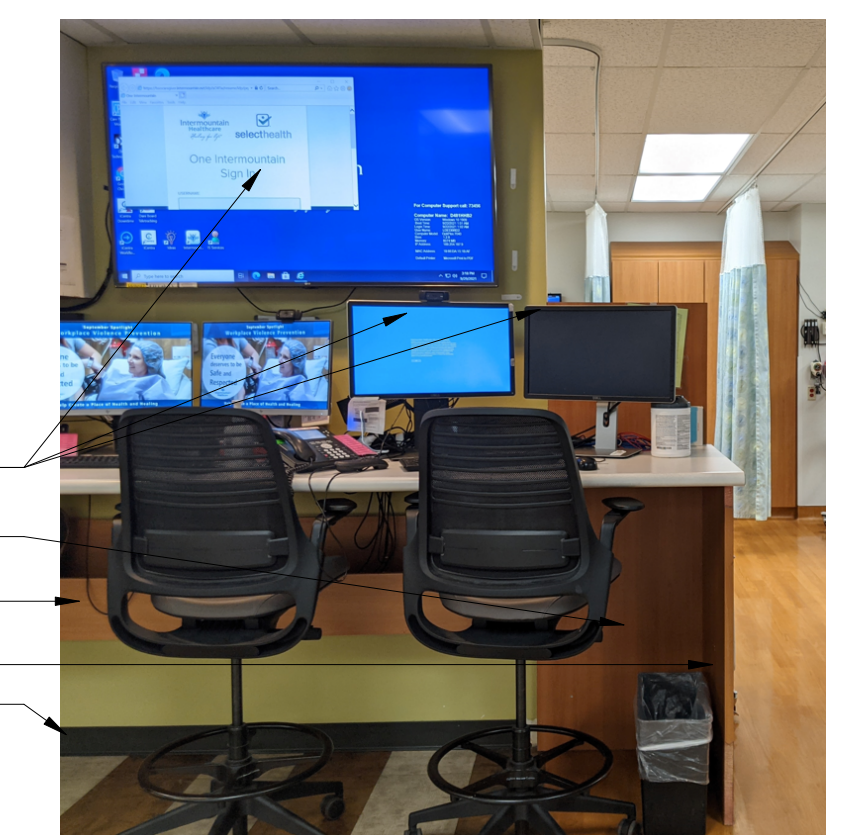
	(E) DOOR TO REMAIN		(E) EXIT SIGN TO REMAIN
	DEMO DOOR		DEMO RECESSED DOWNLIGHT
	REMOVE AND SALVAGE (E) CEILING TILE TO BE REINSTALLED		DEMO 2x4 TROFFER LIGHT FIXTURE
	(E) WALL TO REMAIN		DEMO 1x2 RETURN GRILLE
	DEMO WALL		DEMO 2x2 RETURN GRILLE
	REMOVE COUNTERTOP		DEMO 2x2 SUPPLY DIFFUSER
	REMOVE FLOORING AND PREP FOR NEW CONSTRUCTION AS NEEDED		EXISTING FIRE SPRINKLER TO REMAIN
			ICRA BOUNDARY, GC SHALL REVIEW WITH OWNER PRIOR TO STARTING CONSTRUCTION



02 DEMO RCP
1/4" = 1'-0"

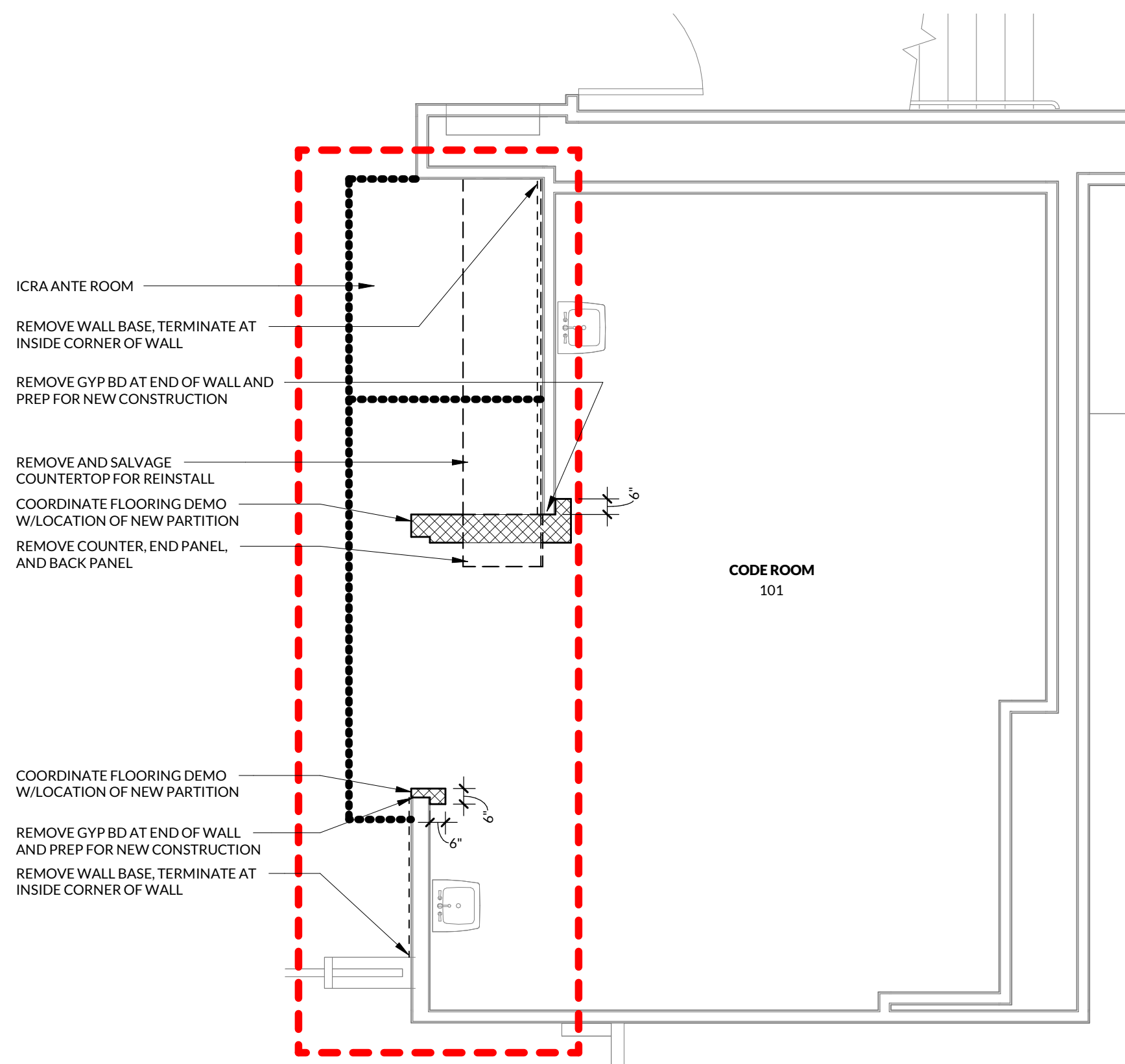


- REMOVE GYPSUM BD AT END WALL
- REMOVE PANEL AT BACK SIDE OF COUNTER
- REMOVE END PANEL



- OWNER TO RELOCATE EQUIPMENT
- REMOVE PANEL AT BACK SIDE OF COUNTER
- REMOVE AND SALVAGE (E) CABLE CASE
- REMOVE END PANEL
- REMOVE WALL BASE, TERMINATE AT INSIDE CORNER OF WALL

03 DEMOLITION - WORKSTATION
NTS



01 DEMO PLAN
1/4" = 1'-0"

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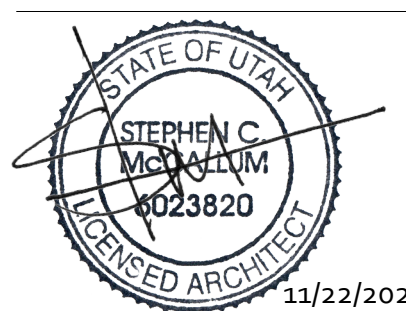
DEMO PLANS

A2.01



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1552 E BRIAN AVENUE
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STAMP



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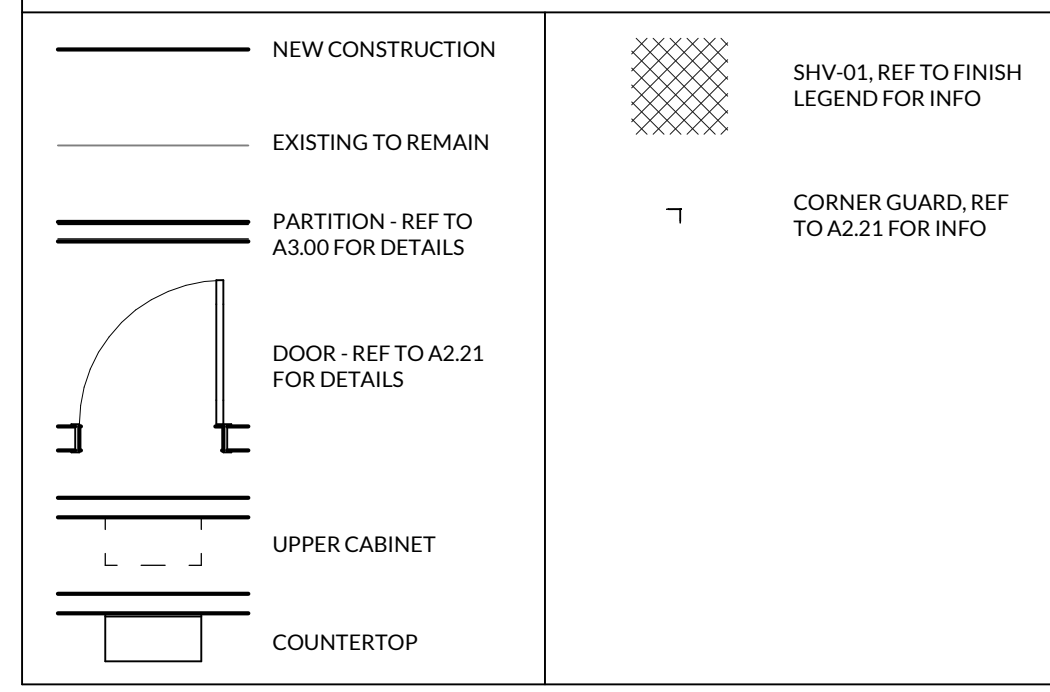
**FLOOR PLAN,
RCP, DOOR
SCHEDULE,
DETAILS**

A2.21

FLOOR PLAN GENERAL NOTES

- DIMENSIONS ARE TO FACE OF DRYWALL UNO.
- EXTEND INTERIOR PARTITIONS TO STRUCTURAL DECK.
- ALL GYP BD SHALL BE LEVEL 5 FINISH UNO.
- ALL DOORS ARE 0" FROM FINISH FACE OF ADJACENT WALL ON HINGE SIDE UNO.
- ALL FURNITURE SHOWN DASHED SHALL BE CFCI.
- REFER TO SHEET A2.21 FOR FINISH INFORMATION AND SCHEDULES.
- REFER TO SHEET A3.00 FOR PARTITION INFORMATION AND DETAILS.
- REFER TO SHEET A2.21 FOR WALL PROTECTION TYPES AND DETAILS.
- REFER TO SHEET A2.21 FOR DOOR INFORMATION, SCHEDULE, AND DETAILS.
- REFER TO SHEET A2.21 FOR INTERIOR ELEVATIONS.
- ALL CONSTRUCTION MATERIALS SHALL BE STOCKED IN CODE ROOM 101 TO MINIMIZE THE SIZE OF THE ICRA-ANTEROOM AND TO REDUCE CONTAMINATION OF ADJACENT SPACES.

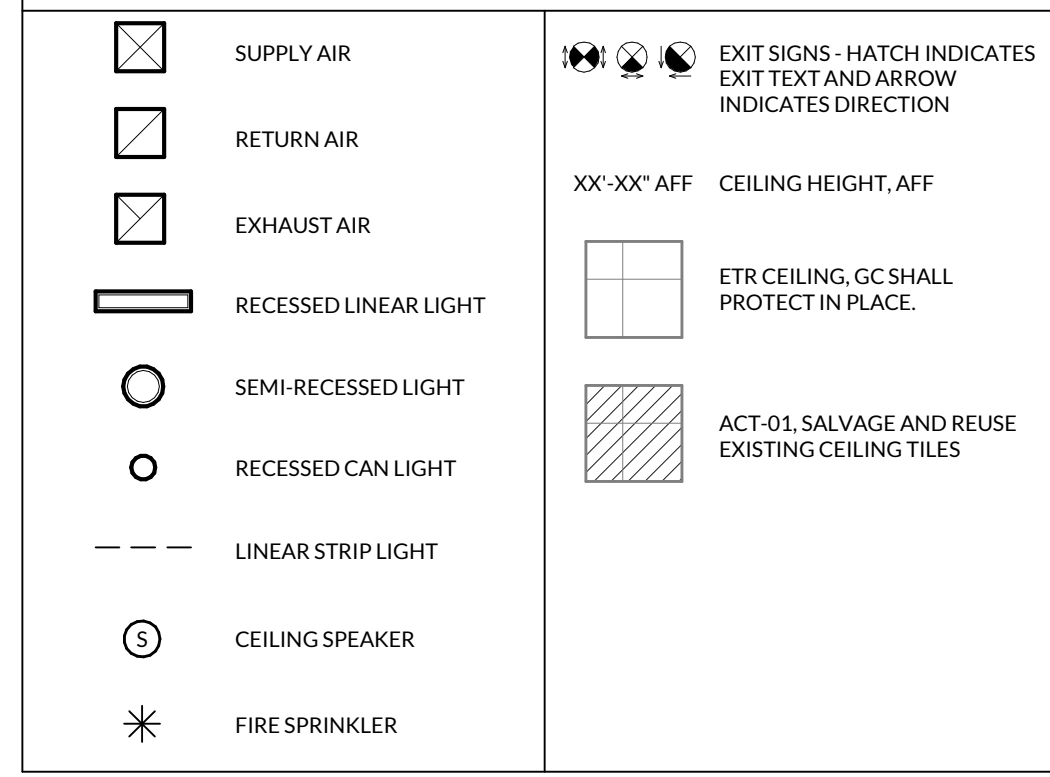
FLOOR PLAN SYMBOLS



RCP GENERAL NOTES

- ALL CEILING HEIGHTS SHALL BE INDICATED IN RCP. COORDINATE WITH OWNER-FURNISHED VENDOR DRAWINGS AND EQUIPMENT.
- IN THE CASE OF MINOR DISCREPANCIES BETWEEN MEP AND ARCHITECTURAL DOCUMENTS IN THE LOCATION OF CEILING MOUNTED COMPONENTS, THE ARCHITECTURAL REFLECTED CEILING PLAN SHALL GOVERN. IN THE CASE OF MAJOR DISCREPANCIES, THE ARCHITECT SHALL BE NOTIFIED AS SOON AS THE DISCREPANCY IS DISCOVERED PRIOR TO PROCEEDING WITH THE WORK.
- REFERENCE ELECTRICAL DRAWINGS FOR MOUNTING LOCATIONS OF ITEMS WHERE NO CEILING IS REQUIRED OR INDICATED.
- LIGHTS, DIFFUSERS, EXIT SIGNS, SMOKE DETECTORS, SPEAKERS, STROBES, AND MISCELLANEOUS DEVICES SHALL BE CENTERED IN THE CEILING TILE IN WHICH THEY OCCUR UNO.
- ARCHITECTURALLY SIGNIFICANT SPRINKLER HEAD LOCATIONS MAY BE SHOWN ON REFLECTED CEILING PLANS FOR DESIGN INTENT ONLY.
- EXIT SIGNS ARE SHOWN ON REFLECTED CEILING PLANS ONLY WHERE LOCATION IS ARCHITECTURALLY SIGNIFICANT.
- REFERENCE A2.21 FOR CEILING DETAILS.
- ALL CEILING TILE SHALL BE ETR UNO.

CEILING SYMBOLS



INTERIOR FINISHES GENERAL NOTES

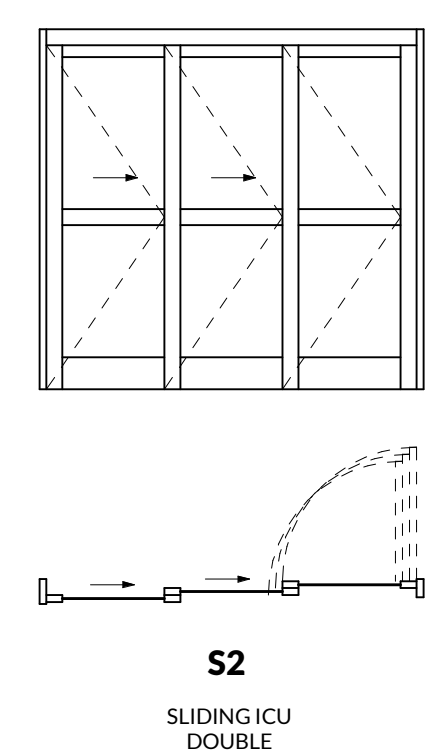
- PROVIDE FINISHES AS INDICATED IN THE FINISH SCHEDULE. REFER TO INTERIOR ELEVATIONS WHERE DRAWN FOR CLARIFICATION, DIMENSIONS, AND ADDITIONAL INFORMATION. THE ABSENCE OF AN INTERIOR ELEVATION DOES NOT OVERRIDE THE REQUIREMENT TO PROVIDE THE FINISH INDICATED IN THE FINISH SCHEDULE UNFINISHED OR PRIME FINISHED METALS TO BE PAINTED, COLOR SELECTED BY THE ARCHITECT.
- FINISHES PRECEDED BY (E) INDICATE EXISTING FINISHES TO REMAIN. CONTRACTOR TO PROTECT (E) FINISHES IN PLACE.
- REFER TO FINISH SCHEDULE FOR ALL PAINT COLORS NOT SHOWN IN FINISH PLAN OR INTERIOR ELEVATION.
- ALL GYP BD SHALL BE LEVEL 5 FINISH UNO.
- WELDING RODS AT WELDED SEAMS IN SHEET VINYL SHALL MATCH THE DARKER OF THE SHEET VINYL COLORS WHERE TWO COLORS INTERSECT UNO.
- WHEN SHOWN, INSTALL INTEGRAL BASE TO A HEIGHT OF 4" UNO.
- ALL FLOORING TRANSITIONS SHALL BE CENTERED UNDER THE DOOR IN THE CLOSED POSITION.
- BULKHEADS, SOFFITS, AND FURR DOWNS TO BE FINISHED WITH THE SAME MATERIAL OR PAINT TO MATCH ADJACENT FINISHES.
- ALL MATERIALS AND FINISHES SHALL BE INSTALLED ACCORDING TO MANUFACTURER'S SPECIFICATIONS.
- WIRINGWAYS AND ACCESS TO BE FINISHED TO MATCH ADJACENT SURFACE, UNLESS NOT ALLOWED BY CODE.
- ALL FLOORING SHALL BE INSTALLED PERPENDICULAR TO WALLS UNO.
- WHERE ATYPICAL CONDITIONS OCCUR, CONTRACTOR TO VERIFY FINISH WITH ARCHITECT PRIOR TO PROCEEDING.
- CONTINUE ALL FLOORING MATERIALS BENEATH ALL CASEWORK, MILLWORK, AN FURNITURE, INCLUDING KNEE SPACES UNO.
- CUT TILE SHALL NEVER BE LESS THAN 2".
- ALL EXPOSED OUTSIDE EDGES IN PORCELAIN TILE AND CERAMIC TILE SHALL RECEIVE METAL TRIM.
- REFER TO SHEET A3.00 FOR PARTITION INFORMATION AND DETAILS.

FINISH MATERIALS LEGEND

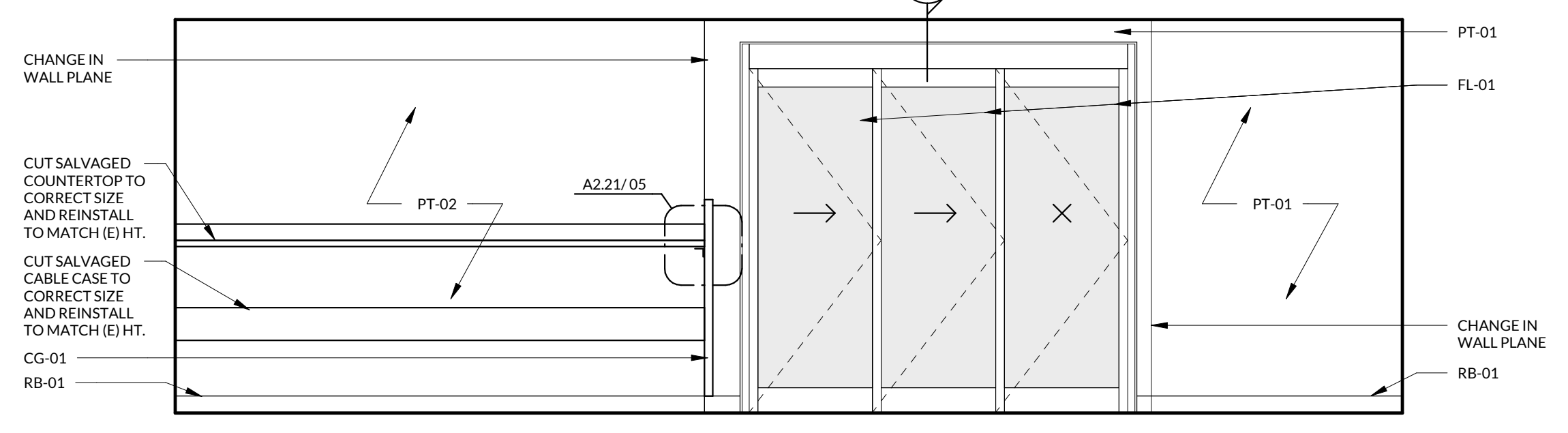
FLOOR	FINISH	DESCRIPTION
FLOOR	SHV-01	SLIP-RESISTANT SHEET VINYL; MANNINGTON. MATCH EXISTING STYLE AND COLOR. CONTINUOUSLY WELD TO ETR FLOORING.
BASE	CVB-01	COVERED VINYL BASE; INSTALL 4" HIGH. FOLLOW SHEET VINYL COLOR AND PATTERN ON FLOOR SURFACE. CONTINUOUSLY WELD TO ETR FLOORING.
WALLS	RB-01	RUBBER WALL BASE; TARKETT, STYLE: TRADITIONAL VINYL 1/8" (TYPE TV). COLOR: MATCH EXISTING. HEIGHT: 4".
WALLS	CG-01	CORNER GUARD; CONSTRUCTION SPECIALTIES, STYLE: SSM-20M. COLOR: 324 PEARL. SIZE: 2" LEG x 48" H. INSTALL SURFACE MOUNT, ABOVE SCHEDULED BASE. REF SHEET A2.21 FOR DETAILS.
WALLS	FL-01	WINDOW FILM; 3M, STYLE: DUSTED CRYSTAL, COLOR: 20% OPACITY. HEIGHT: MATCH INSTALL HEIGHT WITH (E) SLIDING DOORS ELSEWHERE IN THE ED.
WALLS	PT-01	PAINT; MATCH EXISTING MANUFACTURER, COLOR, AND FINISH.
WALLS	PT-02	ACCENT PAINT; MATCH EXISTING MANUFACTURER, COLOR, AND FINISH.
CEILING	ACT-01	EXISTING CEILING TILES SALVAGED AND REINSTALLED.

DOOR SCHEDULE													
DOOR NUMBER	SIZE		FINISHES			DETAILS					COMMENTS		
	WIDTH	HEIGHT	DOOR TYPE	FRAME TYPE	DOOR	FRAME	FIRE RATING	SILL DETAIL	JAMB DETAIL	HEAD DETAIL		VISION PANEL / LOUVER TYPE	HARDWARE
101	8'-0"	7'-6"	S2	MFG	AL	AL	-	04/A3.00/05/A3.00	06/A3.00	MFG	N	ASSA ABLOY VERSAMAX (CU) - VMT3BRO-8 - MANUAL APPLY PRIVACY FILM TO CORRIDOR SIDE OF GLAZING.	

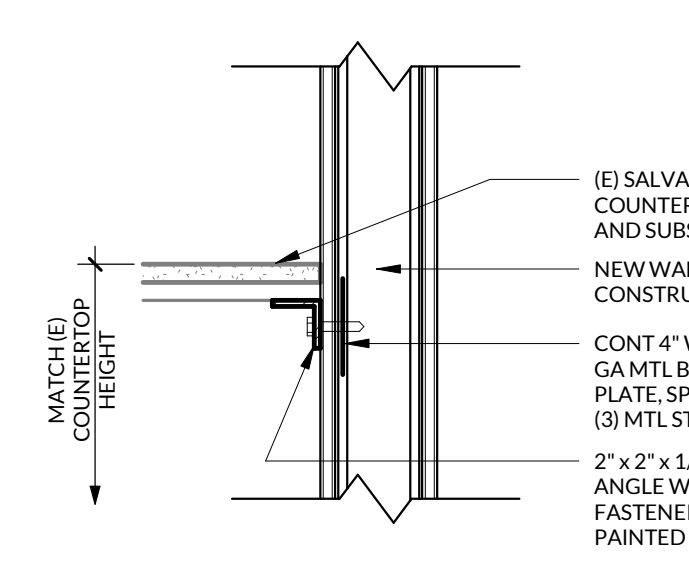
ROOM FINISH SCHEDULE									
LOCATION	ROOM NAME	ROOM NO	FLOOR	WALLS				CEILING	COMMENTS
				BASE	NORTH	EAST	SOUTH		
CODE ROOM	101	ETR/SHV-01	CVB-01	ETR	ETR	PT-01	ETR	ETRA/ACT-01	REF TO ELEVATION FOR WALL FINISHES ON CORRIDOR SIDE OF ROOM. REF TO FLOOR PLAN FOR EXTENT OF SHV-01 INSTALLATION. REF TO RCP FOR EXTENT OF ACT-01 INSTALLATION.



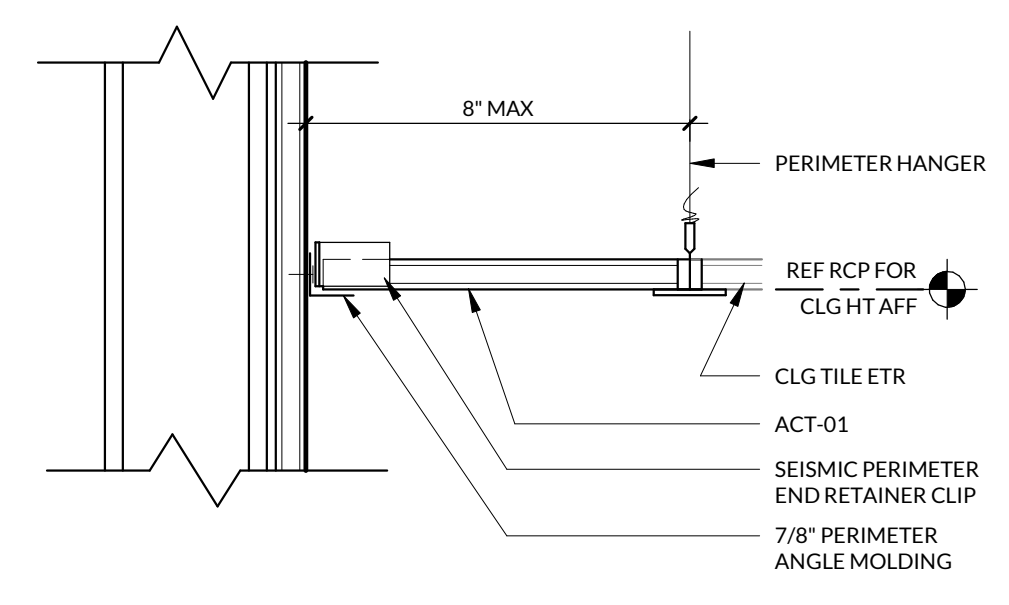
06 DOOR TYPES
NTS



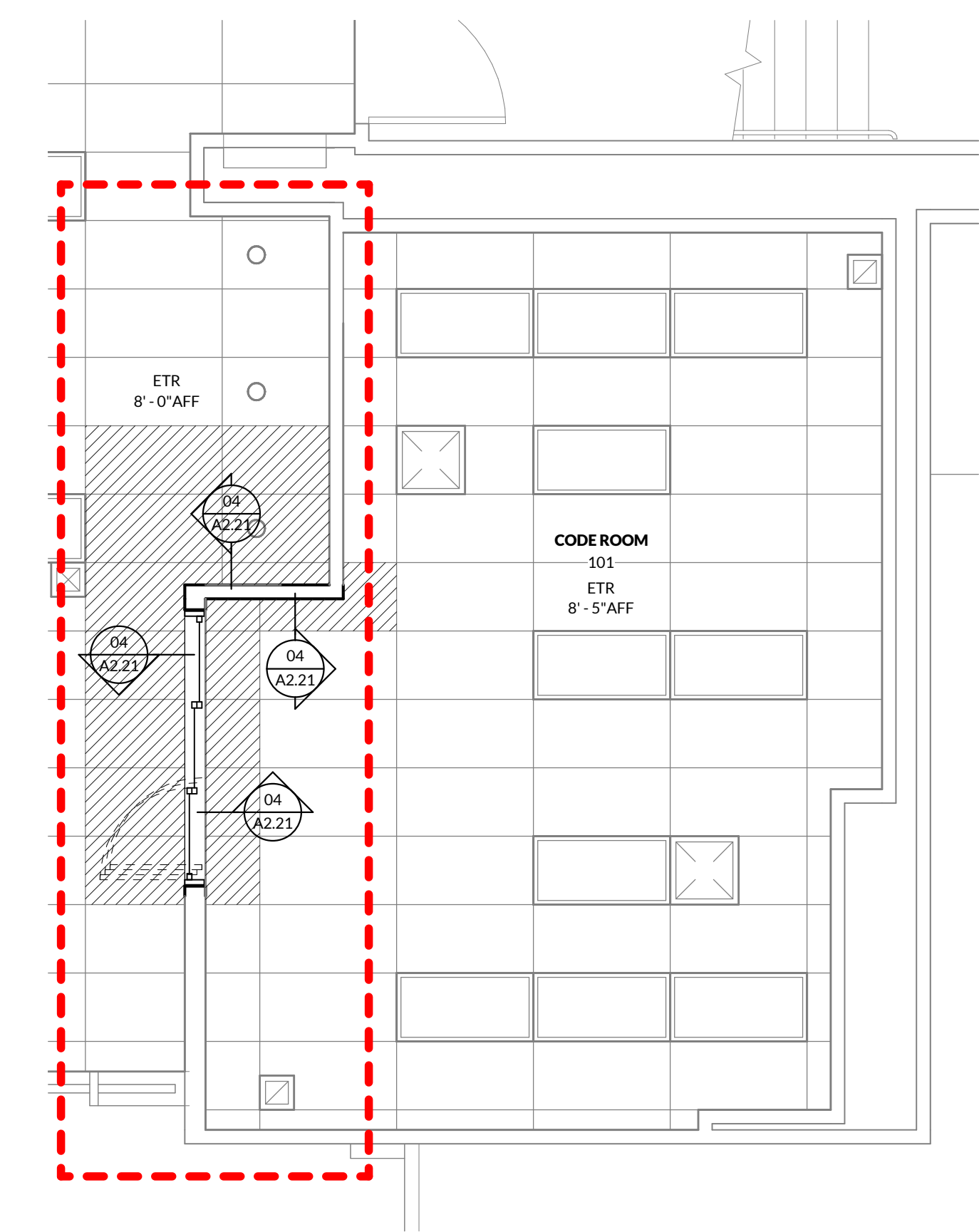
03 CORRIDOR ELEVATION
3/8" = 1'-0"



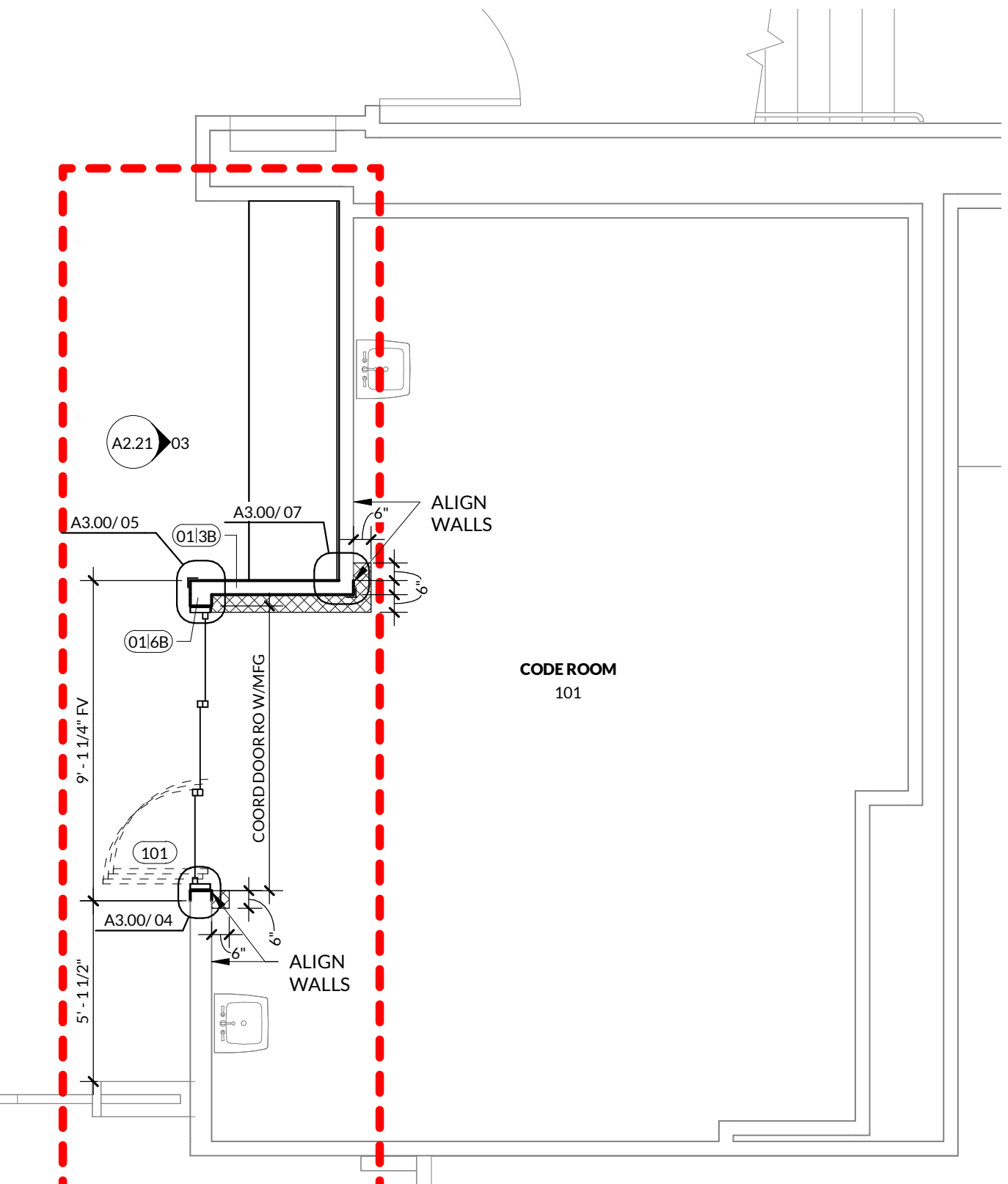
05 COUNTERTOP SUPPORT DETAIL
1 1/2" = 1'-0"



04 ACT-01 PERIMETER DETAIL
3" = 1'-0"

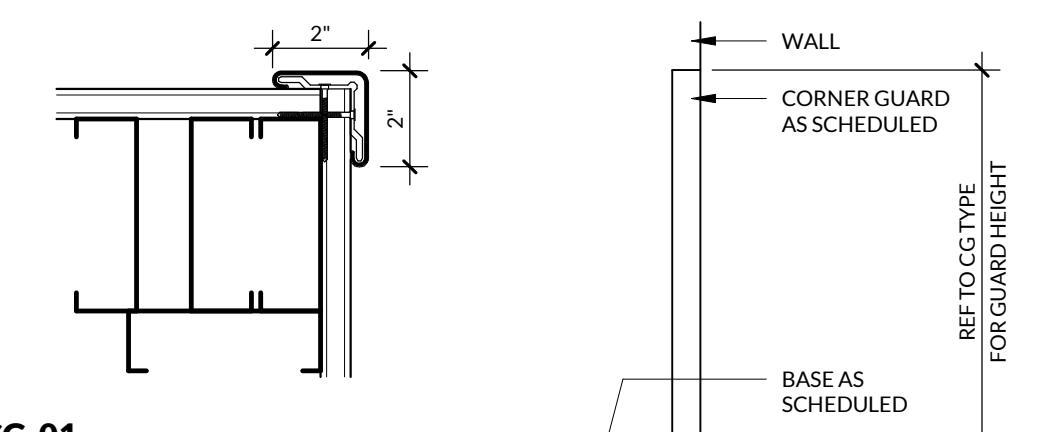


02 RCP
1/4" = 1'-0"



01 FLOOR PLAN
1/4" = 1'-0"

CORNER GUARDS SCHEDULE SCALE: NTS

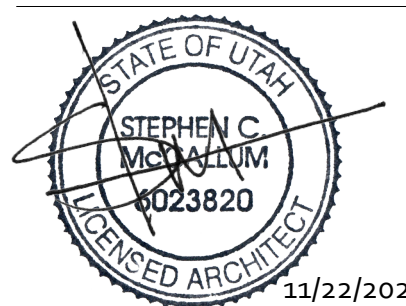


DRAWING DESIGNATION	CG-01	STANDARD MOUNTING HEIGHTS	FLOOR
WALL PROTECTION HEIGHT & FINISH	CORNER GUARD 48" HIGH - ACROVYN	STANDARD MOUNTING HEIGHTS	FLOOR
MOUNTING DETAIL - REFER TO SHEET A3.01	SURFACE MOUNTED - NOT FIRE RATED		
RESPONSIBILITY	CFCI		



INCLINE ARCHITECTS
1952 E BRIAN AVENUE
SALT LAKE CITY, UTAH 84108

STAMP



MECHANICAL ENGINEER
SPECTRUM ENGINEERS
324 SOUTH STATE STREET, #400
SALT LAKE CITY, UTAH 84111

**INTERMOUNTAIN LD SHED
CODE ROOM REMODEL**
8TH AVE & C STREET EAST
SALT LAKE CITY, UTAH 84143



NO.	DESCRIPTION	DATE

INCLINE: 21-026
OWNER: 10013781

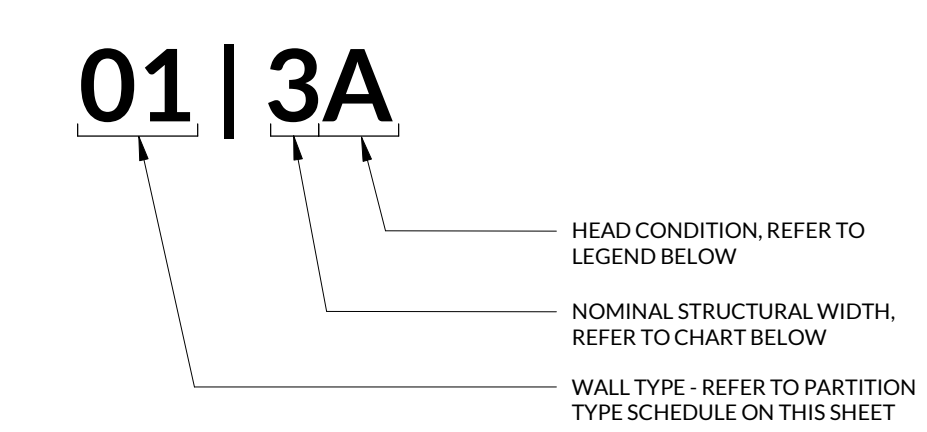
24 NOV 2021

PERMIT SET

WALL TYPES & DETAILS

A3.00

WALL TYPES - WALL TAG LEGEND



WALL TYPE - GENERAL NOTES

- WALLS ARE DISTINGUISHED ON FLOOR PLANS BY SYMBOL DESIGNATION, GRAPHIC DESIGNATION, OR A COMBINATION OF BOTH DESIGNATIONS.
- THERE ARE TWO TYPES OF SYMBOL DESIGNATIONS, ONE FOR PARTITIONS NOT REQUIRING SOUND ATTENUATION AND ANOTHER FOR PARTITIONS WHICH REQUIRE SOUND ATTENUATION. REFER TO PARTITION MATRICES FOR SOUND ATTENUATION BLANKET (SAB) MINIMUM THICKNESS FOR STC INDICATED.
 - (XXXX) NO SOUND ATTENUATION
 - (XXXXX) SOUND ATTENUATION
- THERE ARE TWO SYMBOL DESIGNATION SYSTEMS USED (REFER TO WALL TAG LEGEND ABOVE). THE FIRST SYSTEM CONSISTS OF TWO NUMBERS, WHICH INDICATE THE WALL TYPE. THE SECOND GROUPING OF CHARACTERS INDICATES THE STUD OR CMU WIDTH (REFER TO LEGEND BELOW) AND HEAD CONDITION. THIS SYSTEM IS USED TO DEFINE WALL TYPES 01-09.

NOMINAL STRUCTURE	STUD WIDTH	CMU WIDTH
1	3 5/8"	15 5/8"
2	2 1/2"	11 7/8"
3	3 5/8"	15 5/8"
4	4"	15 5/8"
6	6"	15 5/8"
8	8"	15 5/8"
12	12"	15 5/8"
- IF NO SYMBOL DESIGNATION IS PROVIDED, THE WALL WILL BE "WALL TYPE 01" WITH SOUND ATTENUATION AND HEAD TYPE "A".
- THE GRAPHIC DESIGNATION IS INCORPORATED FOR PARTITIONS REQUIRED TO BE SMOKE-RESISTANT, FIRE-RESISTANT, OR BOTH FIRE- AND SMOKE-RESISTANT. REFER TO RATED WALL GENERAL NOTES FOR ADDITIONAL INFORMATION.
- "LINE OF STRUCTURE" INDICATED FOR EACH PARTITION IS DIAGRAMMATIC ONLY AND DOES NOT INDICATE EXACT CONSTRUCTION CONDITIONS OR GEOMETRY.
- ALL DIMENSIONS ARE FROM FACE OF GYPSUM BOARD. REFER TO PARTITION SCHEDULES FOR PARTITION WIDTH DIMENSIONS UNLESS INDICATED TO BE SHOWN ON PLAN.
- SEALANT:
 - FIRE RESISTANCE RATED PARTITIONS SHALL USE RATED FIRE-SMOKE FIRE RESISTANT FILL MATERIAL IN CONJUNCTION WITH AN APPROPRIATE RATED FIRE-SMOKE FIRE STOPPING SYSTEM.
 - NON-RATED PARTITIONS AND NON-RATED SMOKE RESISTANT PARTITIONS SHALL USE ACoustICAL SEALANT.
- INSULATION HEAD CONDITIONS AT FLOOR/ROOF DECK:
 - FIRE RESISTANCE RATED PARTITIONS SHALL USE MINERAL WOOL INSULATION.
 - NON-RATED PARTITIONS REQUIRING SOUND ATTENUATION SHALL USE SOUND ATTENUATION BLANKETS (SAB).
 - PROVIDE FULL THICKNESS INSULATION INSIDE ALL STUD BOX BEAMS AND HEADERS WHICH OCCUR IN WALLS WITH SOUND ATTENUATION.
- FOR PARTITIONS INDICATED TO RECEIVE SOUND ATTENUATION BLANKETS (SAB), EXTEND SAB TO FULL HEIGHT OF PARTITION UNLESS OTHERWISE INDICATED. FLOOR TRACK TO BE SET IN A CONT BED OF SEALANT.
- WALL GRAPHIC DESIGNATIONS:

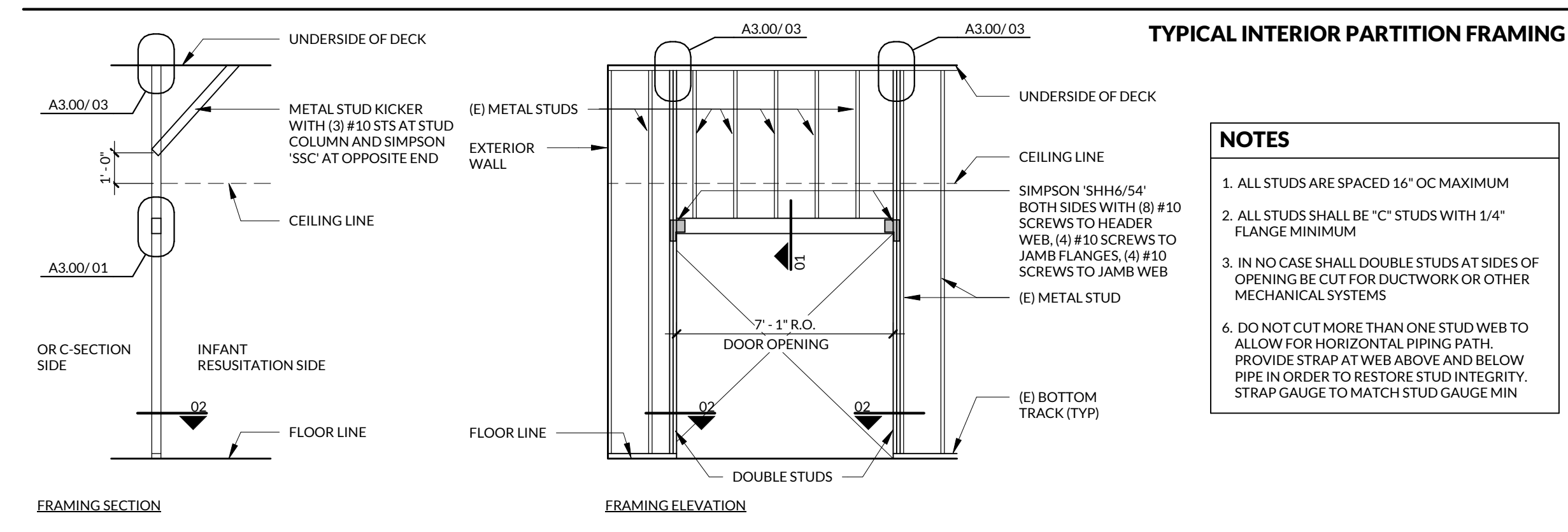
RATING	PRIORITY
SMOKE PARTITION (NON-RATED)	5 (LOWEST)
1 HR FIRE BARRIER / SHAFT WALL	4
1 HR FIRE BARRIER	4
1 HR SMOKE BARRIER	4
1 HR FIRE BARRIER / SHAFT WALL	3
2 HR FIRE BARRIER	3
2 HR SMOKE BARRIER	3
3 HR FIRE BARRIER	2
4 HR FIRE BARRIER	1 (HIGHEST)
- REFER TO SPECIFICATIONS FOR HVAC, PLUMBING AND ELECTRICAL PENETRATIONS OF WALLS. WALL PENETRATIONS TO CONFORM WITH UL DESIGN SYSTEMS WL, WWS OR WWD AS APPLICABLE.
- ALL METAL FRAMING MEMBERS SHALL BE SO ARRANGED AND SPACED AS TO PERMIT INSTALLATION OF PIPE CONDUITS AND DUCTWORK WITH A MINIMUM OF CUTTING. SHAFT WALLS SHALL BE PROVIDED WITH NECESSARY FRAMES, BRACING, AND SEALANT AROUND OPENINGS.
- GYPSUM BOARD SHALL EXTEND TO UNDERSIDE OF STRUCTURE ABOVE AT ALL EXTERIOR PERIMETER WALLS.
- ALL GYPSUM WALL BOARD SHALL BE 5/8" THICK TYPE "X" UNLESS OTHERWISE NOTED OR REQUIRED FOR SPECIFIC WALL CONSTRUCTION AND SHALL BE SCREWED TO ALL FRAMING MEMBERS NOTED AND NOTED ON ACoustICAL REPORT INCLUDING TOP AND BOTTOM PLATES AS REQUIRED FOR EACH SPECIFIC ASSEMBLY. NOTIFY ARCHITECT ON ANY CONFLICT WITH FIRE RATED ASSEMBLY PRIOR TO PROCEEDING WITH WORK.
- GYPSUM BOARD ON ALL ACoustICALLY RATED WALL ASSEMBLIES SHALL BE SET IN A CONTINUOUS BED OF ACoustICAL CAULK TOP TO BOTTOM. CAULK SHALL BE FIRE RATED WHERE REQUIRED TO MAINTAIN THE FIRE-RATING OF THE WALL ASSEMBLY.
- REFER TO TOILET ACCESSORIES SHEET AND CASEWORK SHEET FOR MOUNTING DETAIL INFORMATION.
- PROVIDE CONTINUOUS 20 GAUGE, 10" WIDE SHEET METAL ATTACHED TO METAL STUD UNDERNEATH GYP BOARD AS RAILER FOR INSTALLATION OF MILLWORK, HANDRAIL OR SIMILAR ITEMS.
- CONTRACTOR SHALL PROVIDE AND INSTALL ALL STIFFENERS, BRACING, CONTINUOUS 18" WIDE 20 GAUGE SHEET METAL PLATES, AND SUPPORTING BRACKETS REQUIRED FOR THE INSTALLATION OF ALL CASEWORK, STAIR RAILINGS, TOILET ACCESSORIES, PARTITIONS, AND OF ALL WALL MOUNTED OR SUSPENDED MECHANICAL, ELECTRICAL OR MISC. EQUIPMENT.
- DO NOT APPLY BULLNOSE BLOCK AT CORNER GUARD LOCATIONS.
- MASONRY REINFORCEMENT: REFERENCE STRUCTURAL DRAWINGS.
- HW (HEAD OF WALL) DETAILS DO NOT ALTER PARTITION TYPES NOTED ON PLANS.

RATED WALL - GENERAL NOTES

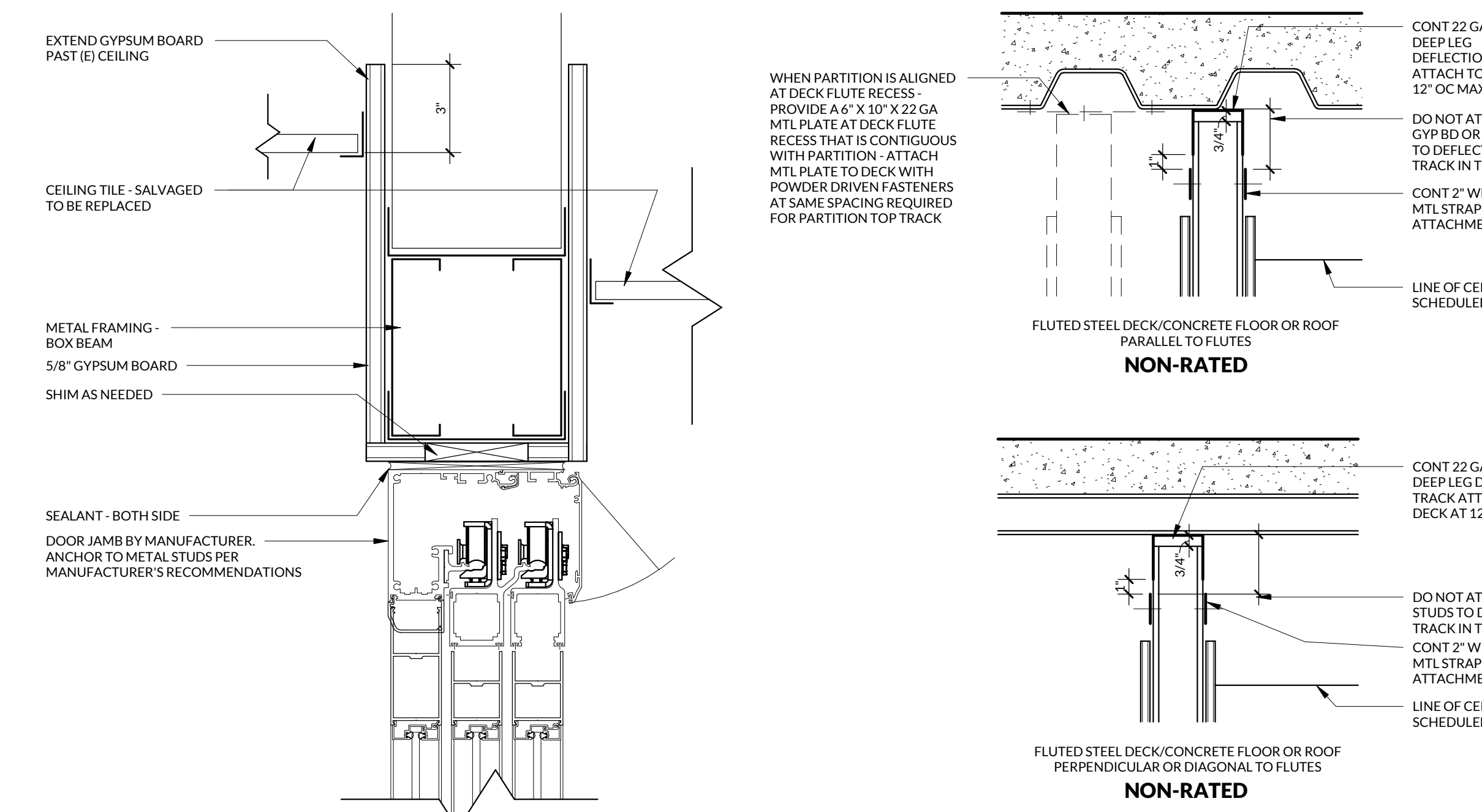
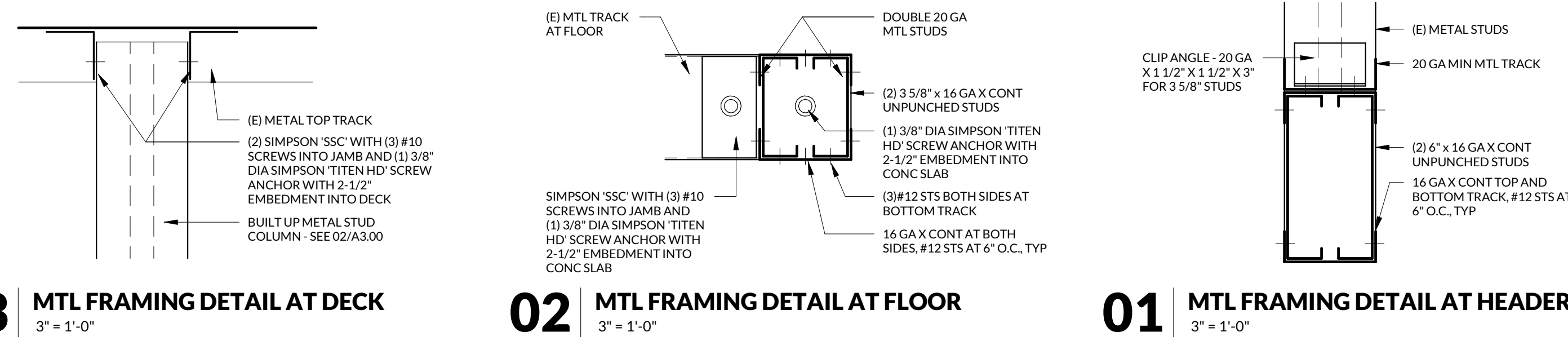
- ALL FIRE RATED WALLS SHALL TERMINATE AT STRUCTURE ABOVE UNLESS NOTED OTHERWISE. THIS SHEET FOR CONSTRUCTION INFORMATION. ALL SHAFT WALLS SHALL BE FULL HEIGHT NON-RATED PARTITIONS MAY TERMINATE AT THE CEILING.
- WHERE A FIRE RATED ASSEMBLY IS REQUIRED, ALL REQUIREMENTS OF TESTED ASSEMBLY SHALL BE INCORPORATED INTO THE DETAIL. CONTRACTOR TO KEEP COPIES OF UL MANUAL AND BUILDING CODE AS REFERENCE DURING CONSTRUCTION OF RATED ASSEMBLIES.
- FIRE RESISTANT AND FIRE RESISTANT SMOKE BARRIER RATINGS ARE TO SURROUND ALL OPENINGS IN RATED PARTITIONS.
- SMOKE RESISTANT, FIRE RESISTANT, AND FIRE RESISTANT SMOKE BARRIER PARTITIONS SHALL EXTEND AND SEAL TO INSIDE FACE OF EXTERIOR SHEATHING, INCLUDING EXTENSIONS THROUGH SOFFITS.
- EACH PARTITION SHOWN ON THE DRAWINGS TO HAVE A FIRE AND SMOKE RESISTANT RATING SHALL BE IDENTIFIED AS SUCH WITH A LABEL ABOVE THE CEILING ON EACH SEGMENT OF THE WALL AND 4" OC MAX EACH SIDE.
- FIRE WALLS, FIRE BARRIERS, FIRE PARTITIONS, SMOKE BARRIERS AND SMOKE PARTITIONS OR ANY OTHER WALL REQUIRED TO HAVE PROTECTED OPENINGS OR PENETRATIONS SHALL BE EFFECTIVELY AND PERMANENTLY IDENTIFIED WITH STENCILING. SUCH IDENTIFICATION SHALL:
 - BE LOCATED IN ACCESSIBLE CONCEALED FLOOR, FLOOR CEILING OR ATTIC SPACES.
 - BE REPEATED AT INTERVALS NOT EXCEEDING 30 FEET (9.14 m) MEASURED HORIZONTALLY ALONG THE WALL OR PARTITION, AND
 - INCLUDE LETTERING NOT LESS THAN 0.5 INCH (12.7 mm) IN HEIGHT, INCORPORATING THE SUGGESTED WORDING: "FIRE AND/OR SMOKE BARRIER. PROTECT ALL OPENINGS: OR SIMILAR WORDING.

METAL FRAMING - GENERAL NOTES

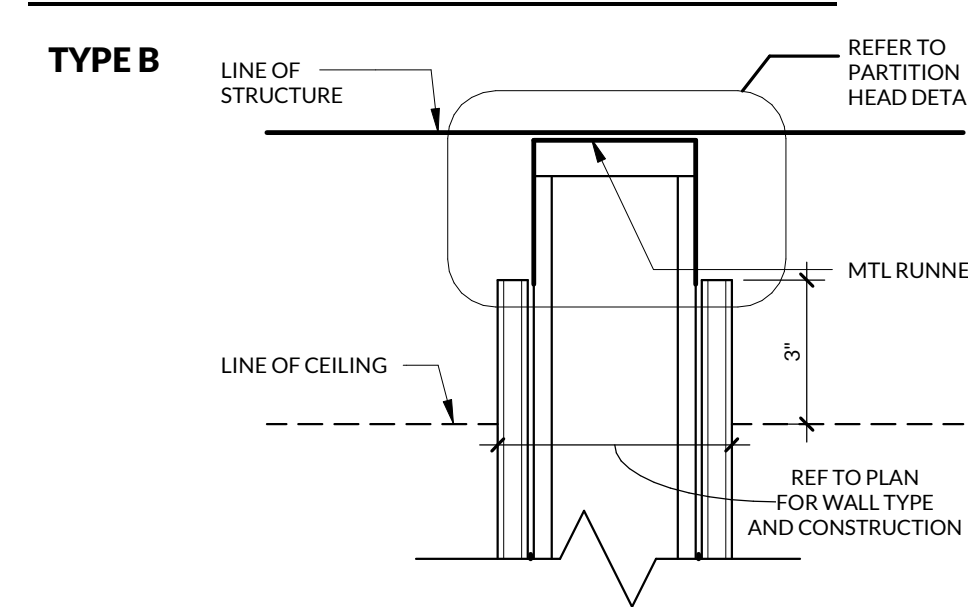
- REFER TO STRUCTURAL DRAWINGS AND SPECIFICATIONS FOR MINIMUM STUD THICKNESS, MAXIMUM SPACING AND ALLOWABLE LIMITING HEIGHTS DEFLECTION CRITERIA FOR GYPSUM BOARD ASSEMBLIES.
- PROVIDE ADDITIONAL WALL BRACING AND/OR BRIDGING AS MAY BE REQUIRED FOR HEIGHT OF WALL DUE TO ACoustIC CONSTRAINTS. BRACING ACROSS THE AIR GAP IN A DEMISING WALL IS NOT ALLOWED.
- ALL STUD GAUGE AND SPACING TO BE MAINTAINED OR ADJUSTED TO MANUFACTURER'S DESIGN CRITERIA WHICH EVER IS MORE RESTRICTIVE. ALL LIMITING HEIGHTS ARE BASED ON SSMA (STEEL STUD MANUFACTURERS ASSOCIATION) SYSTEM. THE ALLOWABLE DEFLECTION FOR STUD WALLS SHALL BE:
 - L/360 - FOR EXTERIOR WALLS.
 - L/360 - FOR INTERIOR WALLS WITH STONE, TILE OR WOOD PANEL FINISH AND FOR SHAFT WALLS.
 - L/240 - ALL OTHER INTERIOR WALLS.
- CONTRACTOR USING AN APPROVED EQUAL PRODUCT MUST SUBMIT FOR ARCHITECT'S REVIEW. A WALL TYPE SHEET WHICH INCLUDES UL RATINGS, THE SUBMITTAL TO INDICATE PROPER STUD GAUGE AND SPACING PER THE SPAN CAPACITY OF THE SUBSTITUTED PRODUCT, AT NO TIME SHOULD THE STUD GAUGE OR SPACING BE LESS THAN WHAT IS SHOWN ON THIS SHEET. CONTRACTOR TO FIELD VERIFY ALL CONDITIONS FOR SPECIFIC FURRED OUT WALLS PER PLAN AND DETAILS.
- ALL METAL FRAMING MEMBERS SHALL BE SO ARRANGED AND SPACED AS TO PERMIT INSTALLATION OF FIRE CONDUITS AND DUCTWORK WITH A MINIMUM OF CUTTING. SHAFT WALLS SHALL BE PROVIDED WITH NECESSARY FRAMES, BRACING, AND SEALANT AROUND OPENINGS.
- CONTRACTOR SHALL PROVIDE AND INSTALL ALL STIFFENERS, BRACING, CONTINUOUS 18" WIDE 20 GAUGE SHEET METAL PLATES, AND SUPPORTING BRACKETS REQUIRED FOR THE INSTALLATION OF ALL CASEWORK, STAIR RAILINGS, TOILET ACCESSORIES, PARTITIONS, AND OF ALL WALL MOUNTED OR SUSPENDED MECHANICAL, ELECTRICAL OR MISC. EQUIPMENT.



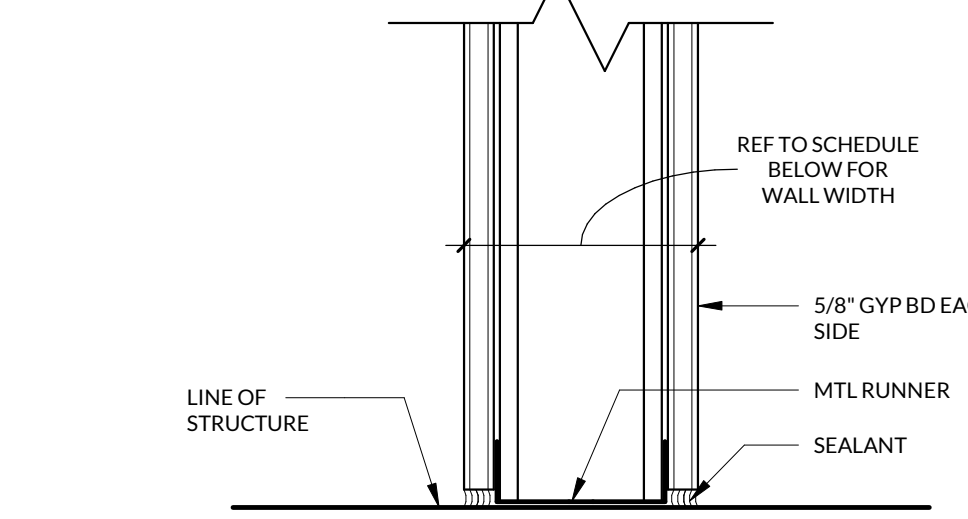
PARTITION FRAMING DETAILS



WALL TYPES - HEAD CONDITIONS

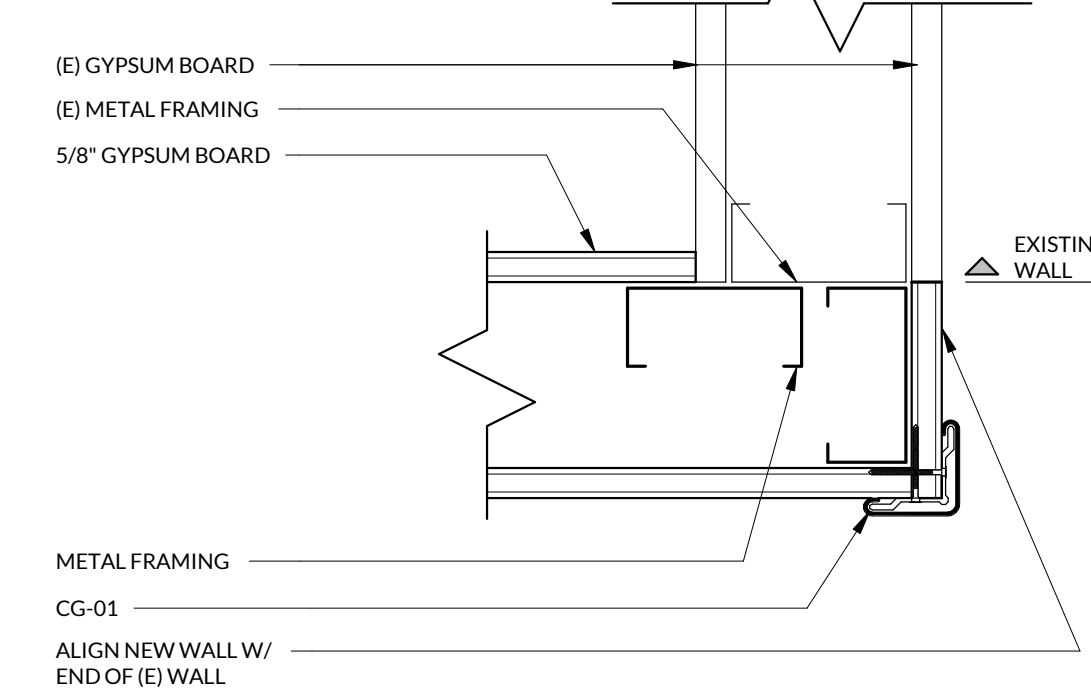


TYPE 01

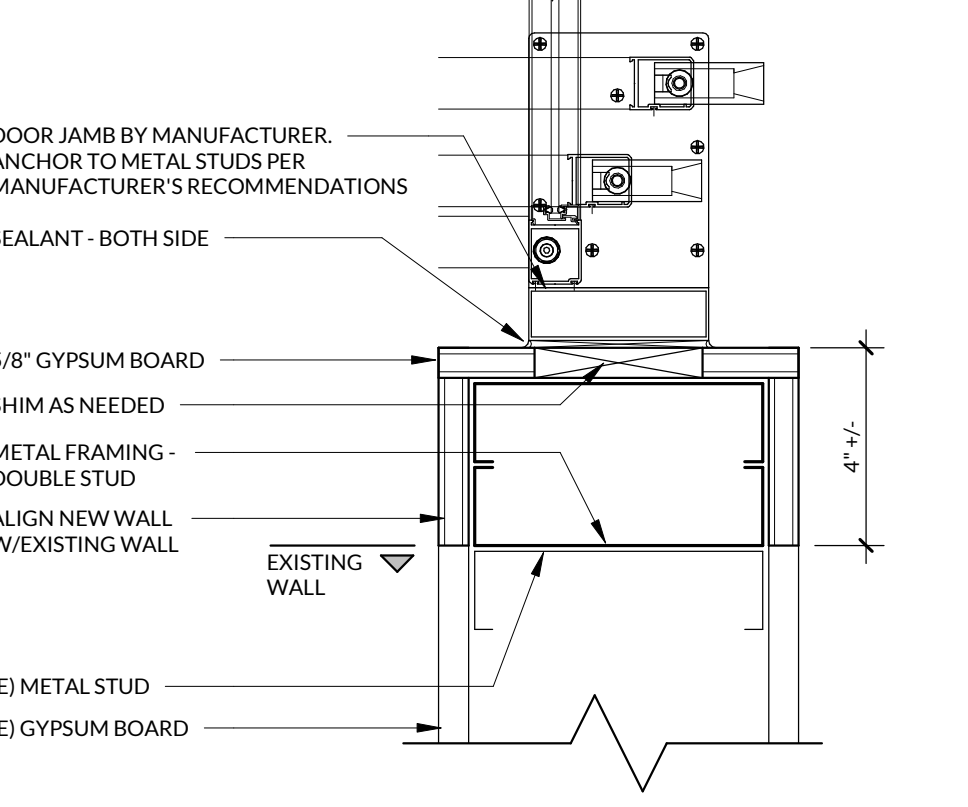


PLAN SYMBOL	STUD SIZE	CONSTRUCTION			FIRE PROTECTION			ACOUSTICS			COMMENTS
		WALL DETAIL	BASE DETAIL	HEAD DETAIL	RATING	UL LISTING	UL BATT	SOUND RATING	STC		
01 3B	3 5/8"	4 7/8"	-	B	-	-	-	No			
01 6B	6"	7 1/4"	-	B	-	-	-	No			

07 WALL FRAMING - PLAN DTL
3" = 1'-0"



04 DOOR JAMB DETAIL - BREAKAWAY SIDE
3" = 1'-0"



PLOT DATE: 11/22/2021 4:15:57PM
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SYMBOL LEGEND	
SYMBOL	DESCRIPTION
VALVES, METERS, AND GAUGES	
	SHUT OFF VALVE
	GATE VALVE
	CHECK VALVE
	AUTO 2-WAY VALVE
	AUTO 3-WAY VALVE
	GLOBE VALVE
	BALL VALVE
	RELIEF VALVE
	CHAIN OPERATED GATE VALVE
	PRESSURE REDUCING VALVE
	BUTTERFLY VALVE
	SOLENOID VALVE
	ANGLE VALVE
	VENTURI
	BALANCING OR PLUG COCK
	FLOW SETTER
	EXPANSION VALVE (REFRIG.)
	GAS COCK
	MANUAL AIR VENT
	STRAINER
	GAUGE COCK
	FLEXIBLE CONNECTION
	PRESSURE GAUGE
	THERMOMETER
	VICTUALIC COUPLING
	REDUCER CONCENTRIC
	REDUCER ECCENTRIC
	REFRIGERANT SITE GLASS
	REFRIGERANT STRAINER
	REFRIGERANT FILTER DRIER
	90 DEG ELBOW UP
	90 DEG ELBOW DOWN
	90 DEG TEE UP
	90 DEG TEE DOWN
	UNION
	CAPPED PIPE
	ANCHOR
	FLOAT AND THERMOSTATIC TRAP
HVAC SYMBOLS	
	THERMOSTAT
	TEMPERATURE SENSOR
	HUMIDISTAT

SYMBOL LEGEND		
SYMBOL	DESCRIPTION	
DUCT WORK		
	SINGLE LINE	DOUBLE LINE

PIPING LEGEND	
NOTE: ALL ABBREVIATIONS MAY NOT BE USED.	
	HPS HIGH PRESSURE STEAM
	MPS MEDIUM PRESSURE STEAM
	LPS LOW PRESSURE STEAM
	HPC HIGH PRESSURE CONDENSATE RETURN
	MPC MEDIUM PRESSURE CONDENSATE RETURN
	LPC LOW PRESSURE CONDENSATE RETURN
	PC PUMP DISCHARGE
	TWS TEMPERED WATER SUPPLY
	CHWS CHILLED WATER SUPPLY
	CHWR CHILLED WATER RETURN
	HHWS HEATING HOT WATER SUPPLY
	HHWR HEATING HOT WATER RETURN
	RL REFRIGERANT LIQUID
	RS REFRIGERANT SUPPLY
	CWS CONDENSER WATER SUPPLY
	CWR CONDENSER WATER RETURN
	D DRAIN LINE
	HG HOT GAS BYPASS
	GS GLYCOL SUPPLY
	GR GLYCOL RETURN
	FOS FUEL OIL SUPPLY
	FOV FUEL OIL VENT

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

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

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

MECHANICAL GENERAL NOTES	
1	THE MECHANICAL DRAWINGS SHOW THE GENERAL DESIGN, ARRANGEMENT & EXTENT OF THE MECHANICAL SYSTEM. BECAUSE OF THE SMALL SCALE OF THE DRAWINGS, THESE DRAWINGS DO NOT SHOW ALL OFFSETS, BENDS OR ELBOWS NECESSARY FOR THE COMPLETE INSTALLATION IN THE SPACE PROVIDED. CONTRACTOR SHALL MAKE SUCH SLIGHT ALTERATIONS AS MAY BE NECESSARY TO MAKE THE SYSTEM COMPLETE & OPERATIONAL IN ACCORDANCE WITH THE DESIGN INTENT.
2	THE DRAWINGS & SPECIFICATIONS HAVE BEEN PREPARED TO SUPPLEMENT EACH OTHER & SHALL BE INTERPRETED AS AN INTEGRAL UNIT WITH THE ITEMS SHOWN ON ONE & NOT THE OTHER BEING FURNISHED & INSTALLED AS THOUGH SHOWN & CALLED OUT IN BOTH.
3	THE ENTIRE MECHANICAL INSTALLATION SHALL CONFORM TO THE REQUIREMENTS OF THE MOST RECENTLY ADOPTED BUILDING CODES, MECHANICAL CODE, PLUMBING CODE, ELECTRICAL CODE, & ALL OTHER APPLICABLE CITY, COUNTY, STATE, & FEDERAL CODES & REGULATIONS IN EFFECT.
4	THE ENTIRE MECHANICAL INSTALLATION SHALL CONFORM TO ANY CODES, RULES, REGULATIONS & REQUIREMENTS OF THE BUILDING OWNER.
5	PRIOR TO FABRICATION & INSTALLATION OF ANY MECHANICAL COMPONENT THE CONTRACTOR SHALL COORDINATE THE INSTALLATION OF ALL MECHANICAL WORK WITH ALL OTHER BUILDING TRADES, INCLUDING BUILDING TRADES HIRED DIRECTLY BY THE OWNER. WHERE CONFLICTS MAY OCCUR, THEY SHALL BE RESOLVED PRIOR TO INSTALLATION.
6	THE SPACE ABOVE ALL CEILINGS IS LIMITED. CAREFUL COORDINATION IS REQUIRED WITH ALL TRADES BEFORE ANY PIPE, DUCT, OR EQUIPMENT IS ORDERED & OR INSTALLED. ANY CONFLICTS &/OR CHANGES FOUND DURING INSTALLATION THAT RESULTS FROM THE LACK OF COORDINATION BY THE CONTRACTORS DURING THE SHOP DRAWING PROCESS ARE THE RESPONSIBILITY OF THE CONTRACTOR.
7	ALL MECHANICAL INFORMATION IS NOT SHOWN ON THE MECHANICAL DRAWINGS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL INFORMATION ON ALL OTHER CONSTRUCTION DOCUMENTS.
8	THE CONTRACTOR SHALL BE RESPONSIBLE TO REVIEW & USE, WHERE APPROPRIATE, ALL THE MECHANICAL DETAILS SHOWN ON THE DRAWINGS WITH ALL OTHER BUILDING TRADES, INCLUDING BUILDING TRADES HIRED BY KEYED NOTES. ANY CHANGES RESULTING FROM FAILURE TO INSTALL THE MECHANICAL SYSTEM WITHOUT USING THE INCLUDED DETAILS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
9	THE STRUCTURE SHOWN ON ALL DETAILS MAY OR MAY NOT PERTAIN TO A PORTION OR ANY PORTION OF THE BUILDING. COORDINATE ALL MOUNTING REQUIREMENTS WITH ARCHITECTURAL & STRUCTURAL DRAWINGS.
10	ANY PART OF THE MECHANICAL INSTALLATION THAT FAILS, IS UNFIT, OR BECOMES DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
11	SEE ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT LOCATION OF ALL CEILING DIFFUSERS & GRILLES.
12	CONTRACTOR SHALL OPERATE THE SYSTEM & DEMONSTRATE ALL ASPECTS OF THE SYSTEM TO THE ENGINEER &/OR OWNER TO PROVE ALL SYSTEMS ARE OPERATIONAL.
13	DURING CONSTRUCTION, THE CONTRACTOR SHALL MAINTAIN A SET OF AS-BUILT REDLINED RECORD DRAWING AT THE PROJECT SITE. ALL CHANGES IN LAYOUT, ROUTING, EQUIPMENT, COMPONENTS, & ACCESSORIES SHALL BE RECORDED. THESE REDLINED DRAWINGS SHALL BE GIVEN TO THE ARCHITECT/ENGINEER AFTER THE FINAL INSPECTION IN ACCORDANCE WITH SPECIFICATIONS.

GENERAL EQUIPMENT NOTES	
1	ALL CAPACITIES ARE AT JOB SITE CONDITIONS & ARE MINIMUM CAPACITY.
2	ALL MECHANICAL EQUIPMENT SHALL BE INSTALLED TO CONFORM WITH LOCAL SEISMIC REQUIREMENTS & THE REQUIREMENTS OF THESE CONSTRUCTION DOCUMENTS.
3	VERIFY ALL REQUIRED SERVICE CONNECTIONS, INCLUDING ELECTRICAL CHARACTERISTICS FOR ALL EQUIPMENT PRIOR TO ORDERING EQUIPMENT.
4	ALL EQUIPMENT SHALL BE INDEPENDENTLY SUPPORTED FROM STRUCTURAL MEMBERS.
5	ALL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTALLATION INSTRUCTIONS.
6	ALL SIMILAR EQUIPMENT SHALL BE OF THE SAME MANUFACTURER.
7	AIR INLETS & OUTLETS SHALL BE OF THE SAME MANUFACTURER.
8	THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE HVAC EQUIPMENT CHECK-IN, SAFEKEEPING, & DAMAGE.

MECHANICAL SHEET INDEX	
M0.01	MECHANICAL COVER SHEET
M0.02	MECHANICAL SPECS
M1.01	LEVEL 1 MECHANICAL PLAN
M5.01	MECHANICAL DETAILS

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NO.	DESCRIPTION	DATE

INCLINE: 20-026
OWNER 10013781

11/24/2021

FOR PERMIT

MECHANICAL COVER SHEET

M0.01



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FOR PERMIT

MECHANICAL SPECS

M0.02

MECHANICAL NOTES

- PROVIDE ALL LABOR, MATERIALS, AND EQUIPMENT NECESSARY TO CONSTRUCT A COMPLETE, OPERATIONAL HVAC SYSTEM FOR THE ENTIRE PROJECT AS SHOWN ON THESE DRAWINGS, INCLUDING ALL NECESSARY FEES AND PERMITS.
- THE ENTIRE INSTALLATION SHALL CONFORM TO THE REQUIREMENTS OF THE MOST RECENTLY ADOPTED BUILDING CODE, MECHANICAL CODE, PLUMBING CODE, ELECTRICAL CODE, AND ALL OTHER APPLICABLE CITY, COUNTY, SCHOOL DISTRICT, STATE, AND FEDERAL CODES AND REGULATIONS IN EFFECT AT THE DATE OF THE BID. CONFORM TO ANY CODES, RULES, REGULATIONS AND REQUIREMENTS THAT THE PROJECT OWNER HAS.
- PRIOR TO FABRICATION AND INSTALLATION, COORDINATE THE INSTALLATION OF ALL HVAC PIPING, DUCTWORK, AND EQUIPMENT WITH PLUMBING PIPING, PLUMBING EQUIPMENT, REFRIGERATION TRENCHES AND PIPING, FIRE PROTECTION PIPING AND ALL OTHER TRADES INCLUDING BUT NOT LIMITED TO: THE MECHANICAL CONTRACTOR, REFRIGERATION CONTRACTOR, ELECTRICAL CONTRACTOR, FIRE PROTECTION CONTRACTOR, GENERAL CONTRACTOR, AND ANY CONTRACTOR HIRED DIRECTLY BY THE OWNER. WHERE CONFLICTS MAY OCCUR, THEY SHALL BE RESOLVED PRIOR TO INSTALLATION.
- THE DRAWINGS SHOW THE GENERAL DESIGN, ARRANGEMENTS AND THE EXTENT OF THE SYSTEM. IT SHALL BE THE WORK OF THE CONTRACTOR TO MAKE SUCH SLIGHT ALTERATIONS AS MAY BE NECESSARY TO MAKE THE SYSTEM COMPLETE AND OPERATIONAL IN ACCORDANCE WITH THE DESIGN INTENT. MAJOR DEVIATIONS SUCH AS CHANGES IN COMPONENT SIZES, WEIGHTS, QUANTITIES, OR MATERIAL REQUIRE PRIOR APPROVAL BY THE CONSULTING ENGINEER.
- ALL HVAC INFORMATION IS NOT SHOWN ON THE HVAC DRAWINGS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING INFORMATION ON ALL OTHER CONSTRUCTION DOCUMENTS INCLUDING ARCHITECTURAL, STRUCTURAL, MECHANICAL, ELECTRICAL AND REFRIGERATION DRAWINGS.
- THE WORKING DRAWINGS ARE DIAGRAMMATIC. BECAUSE OF THE SMALL SCALE OF THE DRAWINGS, THEY DO NOT SHOW EVERY OFFSET, BEND OR ELBOW NECESSARY FOR THE COMPLETE INSTALLATION IN THE SPACE PROVIDED. ALL LOCATIONS FOR HVAC EQUIPMENT AND PIPING SHALL BE CHECKED AND COORDINATED WITH THE ARCHITECTURAL, MECHANICAL, STRUCTURAL AND ELECTRICAL DRAWINGS.
- SPACE ABOVE ALL CEILINGS IS LIMITED. CAREFUL COORDINATION IS REQUIRED WITH ALL TRADES BEFORE ANY PIPE, DUCT, OR EQUIPMENT IS ORDERED AND/OR INSTALLED. ANY CONFLICTS AND/OR CHANGES FOUND DURING INSTALLATION THAT RESULT FROM LACK OF COORDINATION BY THE CONTRACTORS DURING THE SHOP DRAWING PROCESS ARE THE RESPONSIBILITY OF THE CONTRACTOR.
- THE DRAWINGS AND SPECIFICATIONS HAVE BEEN PREPARED TO SUPPLEMENT EACH OTHER AND THEY SHALL BE INTERPRETED AS AN INTEGRAL UNIT WITH THE ITEMS SHOWN ON ONE AND NOT THE OTHER BEING FURNISHED AND INSTALLED AS THOUGH SHOWN AND CALLED OUT IN BOTH.
- DETAILS: THE CONTRACTOR IS RESPONSIBLE TO REVIEW AND USE WHERE APPROPRIATE ALL OF THE MECHANICAL DETAILS SHOWN ON THE DRAWINGS. DETAILS MAY OR MAY NOT BE CALLED OUT ON THE DRAWINGS WITH SYMBOLS OR KEYED NOTES. ANY CHANGES RESULTING FROM FAILURE TO INSTALL THE MECHANICAL SYSTEM WITHOUT USING THE INCLUDED DETAILS IS THE RESPONSIBILITY OF THE CONTRACTOR.
- PIPING SCHEMATICS: THE CONTRACTOR IS RESPONSIBLE TO REVIEW THE PIPING SCHEMATICS INCLUDED WITH THE DRAWINGS FOR PIPING CONNECTIONS TO ALL MECHANICAL EQUIPMENT. THE PIPING SCHEMATICS SHOW DETAILED CONNECTIONS INCLUDING NECESSARY VALVES, FITTINGS, PRESSURE AND TEMPERATURE GAUGES, ETC., THAT ARE NOT SHOWN ON THE PIPING PLANS. ANY CHANGES RESULTING FROM FAILURE TO INSTALL THE MECHANICAL SYSTEM WITHOUT USING THE INCLUDED PIPING SCHEMATICS IS THE RESPONSIBILITY OF THE CONTRACTOR.
- THE STRUCTURE SHOWN ON ALL DETAILS MAY OR MAY NOT PERTAIN TO A PORTION OR ANY PORTION OF THE BUILDING. COORDINATE MOUNTING REQUIREMENTS WITH ARCHITECTURAL AND STRUCTURAL DRAWINGS.
- ANY PART OF THIS INSTALLATION THAT FAILS, IS UNFIT, OR BECOMES DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
- COORDINATE THE RETURN OF ALL MECHANICAL EQUIPMENT REMOVED DURING DEMOLITION WITH THE OWNER'S REPRESENTATIVE.
- ALL EQUIPMENT SHALL PROVIDE THE SCHEDULED PERFORMANCE AT THE SITE. THE EQUIPMENT SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE EQUIPMENT MANUFACTURER'S RECOMMENDATIONS. PROVIDE ALL FITTINGS, TRANSITIONS, VALVES, DAMPERS, AND OTHER DEVICES AND ACCESSORIES REQUIRED FOR A COMPLETE, WORKABLE INSTALLATION.
- THE DIVISION 26 CONTRACTOR SHALL FURNISH ALL REQUIRED MOTORS. ALL MOTOR STARTING EQUIPMENT, WHEN NOT A PART OF THE EQUIPMENT, WILL BE FURNISHED BY THE ELECTRICAL CONTRACTOR.
- THE CONTRACTOR IS RESPONSIBLE FOR HVAC EQUIPMENT CHECK-IN, SAFEKEEPING, AND DAMAGE.
- DO NOT ROUTE DUCTS AND PIPES ABOVE ELECTRICAL PANELS. ALL ELECTRICAL PANELS MUST HAVE CLEAR ACCESS SPACE IN FRONT OF PANEL 4'-0" DEEP AND 6'-6" HIGH. DO NOT ROUTE DUCTS AND PIPES IN ELECTRICAL ROOMS, EXCEPT DUCTS AND PIPES SERVING THE ROOM.
- COORDINATE EXACT LOCATIONS OF CEILING DIFFUSERS AND GRILLES WITH ARCHITECTURAL REFLECTED CEILING PLAN.
- ALL FIRE DAMPERS SHOWN ARE 1-1/2 HOUR UNLESS OTHERWISE NOTED.
- PROVIDE CEILING ACCESS PANELS AS REQUIRED WHERE MECHANICAL EQUIPMENT, VALVES, VAV BOXES, FIRE DAMPERS, ETC. ARE LOCATED ABOVE INACCESSIBLE CEILINGS.
- ENCLOSE ALL DUCT AND FLUE PENETRATIONS THROUGH 1 HOUR ROOF ASSEMBLIES WITH 2 SHEET ROCK LAYERS FROM SHEET ROCK CEILING AT BOTTOM OF ROOF TRUSSES TO ROOF DECK.
- DO NOT USE STEEL ROOF DECK TO SUPPORT LOADS FROM PIPING, DUCTWORK OR EQUIPMENT. HANGER LOADS LESS THAN 50 LBS. MAY BE HUNG FROM THE STEEL ROOF DECK IN CASES WHERE HANGING FROM THE STEEL ROOF DECK CANNOT BE AVOIDED. THE ATTACHMENT METHOD MUST DISTRIBUTE THE LOAD ACROSS THE DECK AS APPROVED BY THE STRUCTURAL ENGINEER.
- PROPERLY LUBRICATE ALL PIECES OF EQUIPMENT BEFORE TURNING THE SYSTEM OVER TO THE OWNER.
- UPON COMPLETION OF THE WORK, REMOVE ALL SURPLUS MATERIALS AND RUBBISH. MAKE ALL REQUIRED PATCHING AND REPAIRS OF OTHER TRADES' WORK DAMAGED BY THE DIVISION 23 CONTRACTOR, AND LEAVE THE PREMISES IN A CLEAN, ORDERLY CONDITION.
- THE DIVISION 23 CONTRACTOR SHALL OPERATE THE SYSTEM AND DEMONSTRATE ALL ASPECTS TO THE ENGINEER AND/OR OWNER, TO PROVE ITS OPERATION. ALL FILTERS USED DURING CONSTRUCTION SHALL BE REPLACED PRIOR TO THE TEST RUN PERIOD.
- THE DIVISION 23 CONTRACTOR SHALL GUARANTEE THE HVAC SYSTEM FOR A PERIOD OF ONE YEAR FROM THE DATE OF SUBSTANTIAL COMPLETION.
- THE DIVISION 23 CONTRACTOR SHALL, DURING CONSTRUCTION, MAINTAIN A SET OF AS-BUILT REDLINED RECORD DRAWINGS AT THE PROJECT SITE. ALL CHANGES IN LAYOUT, ROUTING, EQUIPMENT, COMPONENTS, AND ACCESSORIES SHALL BE RECORDED. THESE REDLINES SHALL BE GIVEN TO THE ARCHITECT/ENGINEER AFTER THE FINAL INSPECTION.

MECHANICAL SPECIFICATIONS

METAL DUCTWORK

- ALL DUCTWORK SHALL BE CONSTRUCTED, ERECTED, AND TESTED IN ACCORDANCE WITH THE MOST RESTRICTIVE OF LOCAL REGULATIONS AND PROCEDURES DETAILED IN THE ASHRAE HANDBOOK OF FUNDAMENTALS, OR THE APPLICABLE STANDARDS ADOPTED BY THE SHEET METAL AND AIR CONDITIONING CONTRACTORS NATIONAL ASSOCIATION, (SMACNA).
- TRANSITION ALL NEW DUCTWORK TO CONNECT TO EXISTING, AS REQUIRED.
- DUCTWORK SHALL BE GALVANIZED STEEL THROUGHOUT, FABRICATED AND INSTALLED SO THAT NO VIBRATION OR NOISE RESULTS. IT SHALL BE MADE FROM THE BEST GRADE OF GALVANIZED MILLED STEEL SHEETS OF U.S. STANDARD GAUGE AND BE FREE FROM BLISTERS, SLIVERS, AND PITS. ALL SEAMS SHALL BE AIRTIGHT. THE CONSTRUCTION OF ALL DUCTWORK, INCLUDING GAUGES OF METAL, BRACING LAYOUT, ETC., SHALL BE IN ACCORDANCE WITH SMACNA. SLEEVES FOR FIRE DAMPERS AND DUCT SECTIONS FORMING AN EXTENSION OF THE FIRE WALL SHALL BE 10 GAUGE STEEL.
- SEAL DUCTWORK ACCORDING TO THE FOLLOWING SMACNA DUCT SEALING CLASS:

DUCT LOCATION	DUCT TYPE			
	SUPPLY		EXHAUST	RETURN
	<2in. Wg.	>2in. Wg.	A	A
OUTDOORS	A	A	A	A
UNCONDITIONED SPACES	B	A	B	B
CONDITIONED SPACES	C	B	B	B
(CONCEALED DUCTWORK) CONDITIONED SPACES (EXPOSED DUCTWORK)	A	A	B	B
- HANGERS FOR DUCTS UP TO 18" IN WIDTH OR DIAMETER SHALL BE PLACED ON NOT MORE THAN 8 FOOT CENTERS. DUCTS 19" AND OVER IN WIDTH OR DIAMETER SHALL BE SUPPORTED ON NOT MORE THAN 4 FOOT CENTERS. DUCT HANGERS SHALL BE CONSTRUCTED OF GALVANIZED BAND IRON 1-1/8" FOR DUCTS UP TO 36" IN WIDTH OR DIAMETER. HANGERS SHALL EXTEND DOWN SIDES AND A MINIMUM OF 1" UNDER RECTANGULAR DUCTS, AND WRAP COMPLETELY AROUND ROUND DUCTS. ALL DUCTS SHALL BE RIGIDLY SUPPORTED.
- ALL DUCTWORK SHALL BE CLEANED PRIOR TO THE INSTALLATION OF CEILING AND DIFFUSERS. OPERATE FANS TO BLOW OUT DUCTWORK.
- RECTANGULAR LOW-PRESSURE SUPPLY AND RETURN AIR DUCTWORK SHALL BE LINED WITH 1" FACED FIBERGLASS INSULATION SECURELY BUTTONED OR LAPPED AND SEALED. INSULATION SHALL BE 1-1/2 POUND DENSITY.
- OUTDOOR DUCTWORK EXPOSED TO THE WEATHER SHALL BE LINED WITH MINIMUM R-5 FACED FIBERGLASS INSULATION SECURELY BUTTONED OR LAPPED AND SEALED, AND SHALL BE FITTED WITH A 0.016 EMBOSSED ALUMINUM JACKET POP RIVETED FOR A WEATHERPROOF FIN.
- DUCT DIMENSIONS SHOWN ON DRAWINGS ARE INSIDE CLEAR AREA AND SHALL BE INCREASED TO ACCOMMODATE INSULATION. DUCT LINER TO BE BY KNAUF GmbH, JOHN-MANSVILLE OR SCHULLER INTERNATIONAL.

DUCTWORK ACCESSORIES

- FLEXIBLE DUCTWORK: THE FINAL 5 FOOT CONNECTION TO GRILLES AND DIFFUSERS IN LAY-IN CEILINGS, OR TO FLOOR MOUNTED GRILLES, MAY BE MADE WITH FLEXIBLE DUCT, FLEXMASTER TYPE SM ONLY. ENDS SHALL BE SEALED.
- SQUARE/RECTANGULAR ELBOWS SHALL BE PROVIDED WITH TURNING VANES.
- PROVIDE FLEXIBLE CONNECTIONS NOT LESS THAN 4" WIDE CONSTRUCTED OF HEAVY, WATERPROOF, WOVEN PLASTIC COATED GLASS FABRIC AT SUPPLY AND RETURN CONNECTIONS TO FURNACES, AIR HANDLING, ROOFTOP, MAKE-UP AIR OR FAN-COIL UNITS. CORNERS SHALL BE SEWN TIGHT. CONNECTIONS SHALL BE 20 OUNCE VENT FABRICS OR EQUAL.
- DUCT MOUNTED BALANCING DAMPERS SHALL BE USED TO CONTROL SUPPLY AIR TO EACH DIFFUSER AND GRILLE. AN OPERATING HEAD SHALL BE PLACED ON THE SIDE OF THE DUCT WITH A POSITIVE LOCKING QUADRANT. DAMPERS SHALL BE PROVIDED IN RETURN AND EXHAUST AIR DUCTS WHERE SHOWN ON DRAWINGS. COORDINATE THE LOCATION OF CEILING ACCESS PANELS.

TESTING, ADJUSTING, AND BALANCING

OBTAIN THE SERVICES OF AN INDEPENDENT TESTING AND BALANCING AGENCY TO BALANCE AND ADJUST THE SYSTEM. THIS SHALL BE DONE BY PERSONS FULLY FAMILIAR WITH SYSTEMS OF THIS TYPE. BALANCING SHALL BE DONE IN ACCORDANCE TO AABC OR NEBB STANDARDS. ALL DATA SHALL BE RECORDED AND A REPORT SUBMITTED TO THE ENGINEER PRIOR TO EACH PHASE AND JOB CLOSE OUT.

VERIFY OPERATION OF EXISTING VAV BOXES AND ASSOCIATED HOT WATER HEATING COILS.

TEST AND DEMONSTRATE FUNCTION OF THE DUAL MAXIMUM TEMPERATURE CONTROL FOR EACH VAV BOX TO ASSURE FUNCTIONALITY.

MECHANICAL SPECIFICATIONS

BASIC MECHANICAL REQUIREMENTS

- COORDINATE THE LOCATION OF ALL NEW ROOF OPENINGS AND THE LOCATION OF ALL NEW AND RELOCATED ROOF MOUNTED EQUIPMENT WITH THE EXISTING STRUCTURE AND ARCHITECTURAL PLANS PRIOR TO ANY INSTALLATION.
- V-BELT DRIVES SHALL BE OF FABRIC AND RUBBER CONSTRUCTION. BELT GUARDS SHALL BE PROVIDED FOR ALL EXPOSED BELTS AND DRIVES.
- PROVIDE 6" CONCRETE HOUSEKEEPING PADS UNDER ALL FLOOR MOUNTED EQUIPMENT.
- PROPERLY LUBRICATE ALL PIECES OF EQUIPMENT BEFORE TURNING THE SYSTEM OVER TO THE OWNER.
- INSTALL DUCT MOUNTED SUPPLY AND RETURN AIR SMOKE DETECTORS IN ALL ROOFTOP, FAN-COIL, AIR-HANDLING, AND OTHER SUPPLY AIR SYSTEMS, WITH A CAPACITY GREATER THAN 2000 CFM. SMOKE DETECTORS ARE PURCHASED AND WIRED BY THE DIVISION 16 CONTRACTOR.

MECHANICAL INSULATION

- PIPE INSULATION TO BE SNAP-ON GLASS FIBER TYPE WITH VAPOR JACKET. SEAL ALL ENDS AND JOINTS TO PROVIDE A COMPLETELY SEALED SYSTEM. CHILLED AND HOT WATER PIPING (40 DEG. F TO 200 DEG F) USE MINERAL FIBER TYPE I PREFORMED INSULATION. FOR REFRIGERANT PIPING, USE FLEXIBLE UNICELLULAR ASTM 534 TYPE 1 INSULATION. USE 1" THICKNESS FOR PIPE UP TO 2" DIA., AND 1 1/2" FOR PIPE OVER 2" DIA.
- STEAM PIPING INSULATION: USE 1-1/2" THICKNESS FOR PIPE UP TO 2" DIA., AND 2" FOR PIPE OVER 2" DIA.
- PIPE FITTINGS: ALL FITTING, VALVES, STRAINERS, FLANGES, AND UNIONS SHALL BE COVERED WITH JOHNS MANVILLE ZESTON 2000 INSULATION & COVER SYSTEMS.
- WRAP ALL INTERIOR SUPPLY AND RETURN DUCTWORK WITH 2" THICK FOIL FACED FIBERGLASS INSULATION. WRAP INSULATION TIGHTLY ON THE DUCT WITH ALL CIRCUMFERENTIAL JOINTS BUTTED AND LONGITUDINAL JOINTS OVERLAPPED A MIN. OF 2". COVER ALL JOINTS WITH FOIL-REINFORCED KRAFT TAPE, 3" WIDE.

MECHANICAL IDENTIFICATION

- PIPE MARKERS: PLASTIC TAPE: PRESSURE-SENSITIVE (SELF ADHESIVE) VINYL TAPE, NOT LESS THAN 3 MILS THICK. PROVIDE AT MINIMUM 50' INTERVALS, AT EACH RISER, AT EACH JUNCTION, AT EACH ACCESS DOOR. INCREASE INTERVALS IN MECHANICAL AND SERVICE ROOMS.
- DUCT MARKERS: MARKERS SIMILAR TO PIPE MARKERS. FOR DUCT IN MECHANICAL ROOMS, CHASE AND OTHER EXPOSED AREAS, PROVIDE LETTERING BANDS WITH A MINIMUM 20" BAND.
- COLOR: PROVIDE UNIVERSITY OF UTAH COLOR-CODED (COORDINATE WITH UNIVERSITY STANDARDS OR MATCH EXISTING). COMPLY WITH ANSI A13.1
- LETTERING: LETTERING TO BE 2" ON PIPES WITH OUTSIDE DIAMETERS LARGER THAN 3" (INCLUDING INSULATION, IF ANY); 1" FOR 1-1/4" TO 2-1/2" PIPING AND 1/2" HIGH FOR 1" PIPING AND SMALLER.
- ARROWS: PRINT EACH MARKER WITH ARROWS INDICATING DIRECTION OF FLOW.
- VALVE TAGS: PROVIDE BRASS VALVE TAGS: 0.032 IN THICK, PREDRILLED OR STAMPED HOLES, 1"X3", 1/8" ABBREVIATION. PROVIDE VALVE SCHEDULE ON 8.5"X11" BOND PAPER. TABULATE VALVE NUMBER, PIPING SYSTEM, SYSTEM ABBREVIATION, LOCATION (ROOM OR SPACE), NORMAL OPERATING POSITION, AND VARIATIONS FOR IDENTIFICATION.
- VALVE TAG FASTENERS: PROVIDE MANUFACTURER'S STANDARD SOLID BRASS CHAIN (WIRE LINK OR BEADED TYPE), OR SOLID BRASS S-HOOKS OF THE SIZED REQUIRED FOR PROPER ATTACHMENT OF TAGS TO VALVES, AND MANUFACTURED SPECIFICALLY FOR THAT PURPOSE.



INCLINEARCHITECTS
1952 E BRYAN AVENUE
SALT LAKE CITY, UTAH 84108

STAMP



MECHANICAL ENGINEER
SPECTRUM ENGINEERS
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801-328-5151
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www.spectrum-engineers.com

LDS HOSPITAL EMERGENCY DEPARTMENT CODE ROOM
8TH AVENUE, C ST
SALT LAKE CITY, UT 84143



NO.	DESCRIPTION	DATE

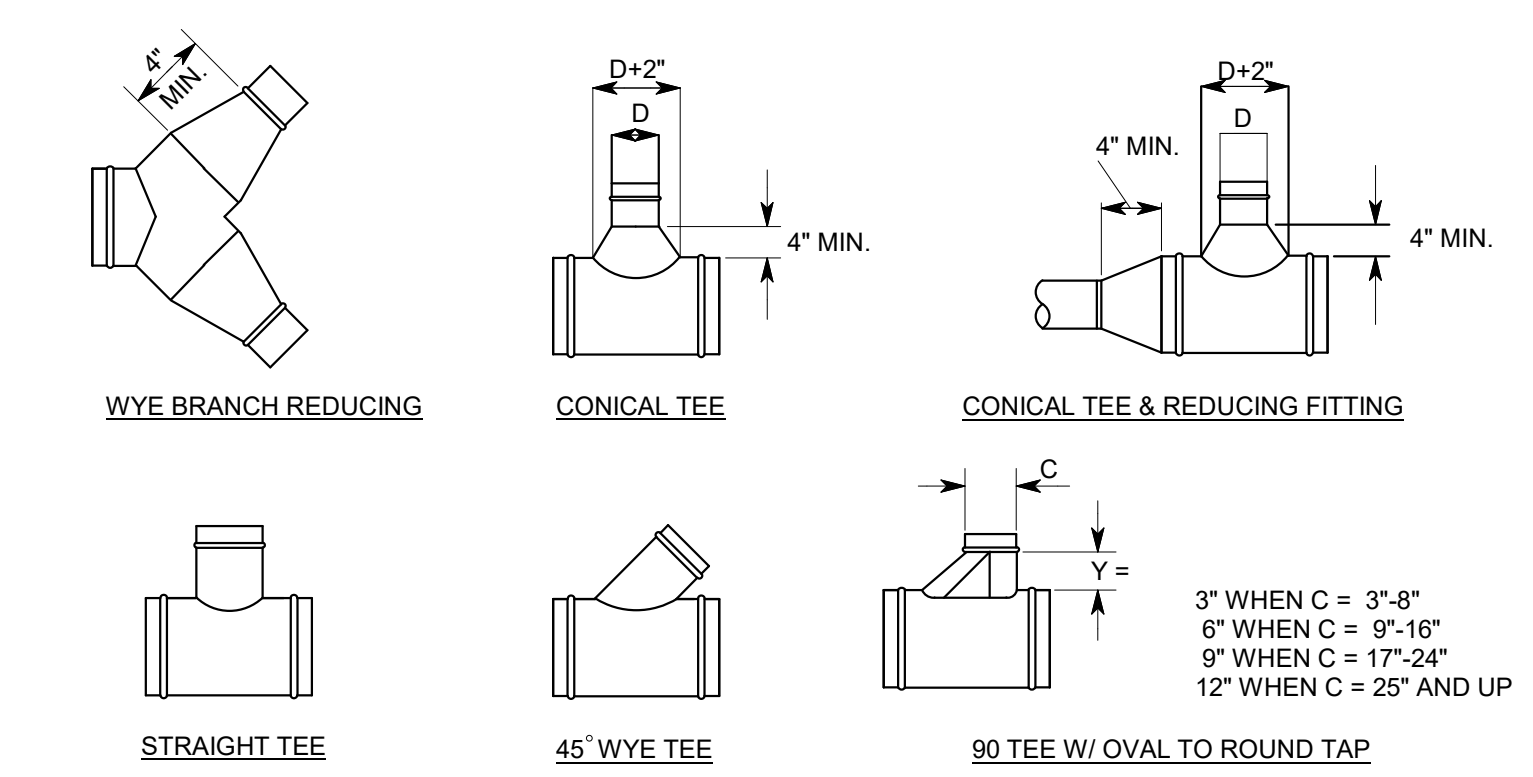
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11/24/2021

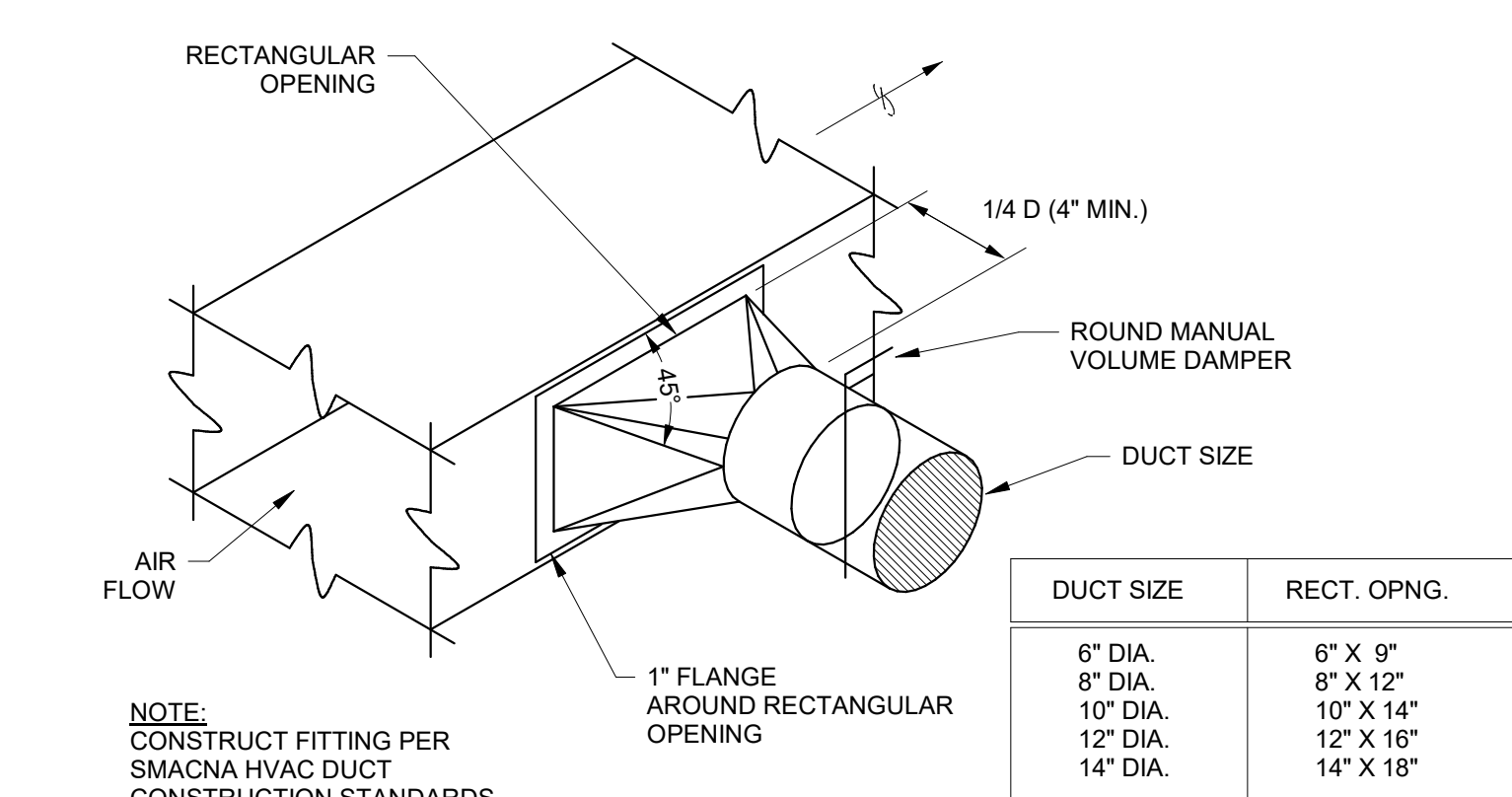
FOR PERMIT

MECHANICAL DETAILS

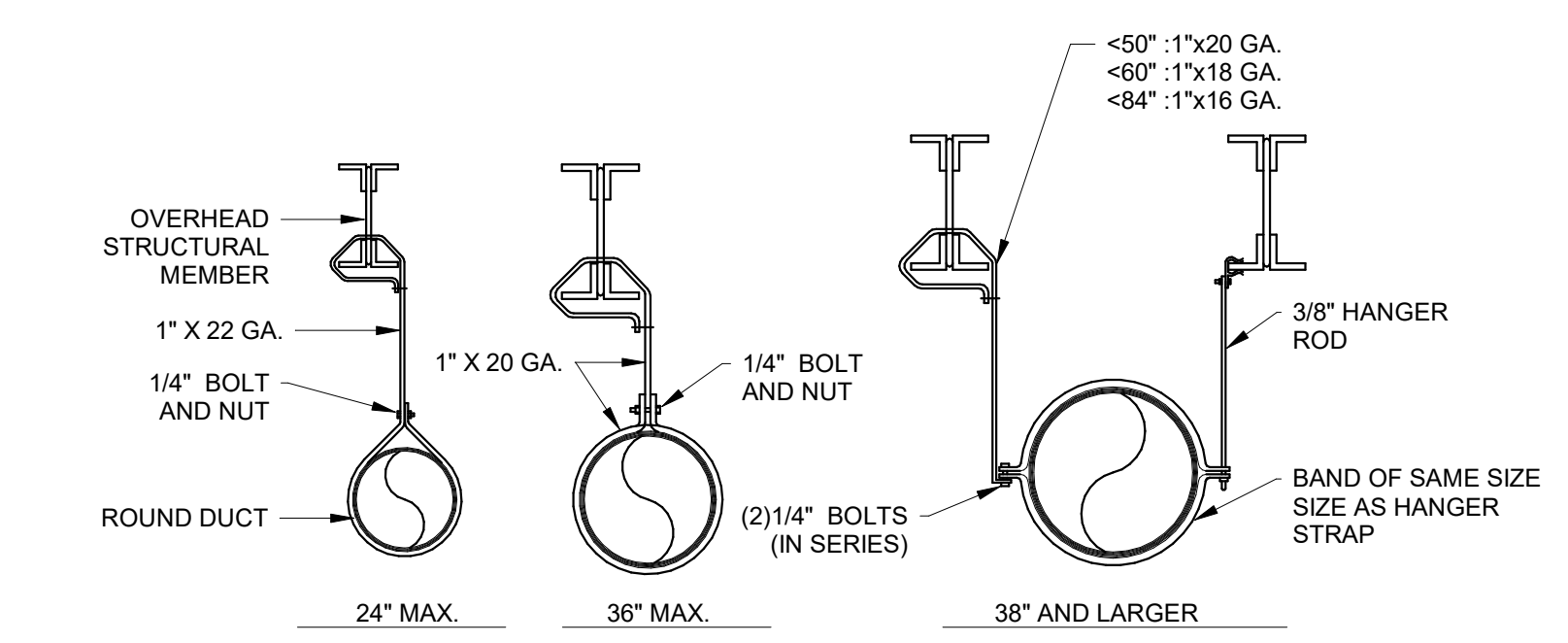
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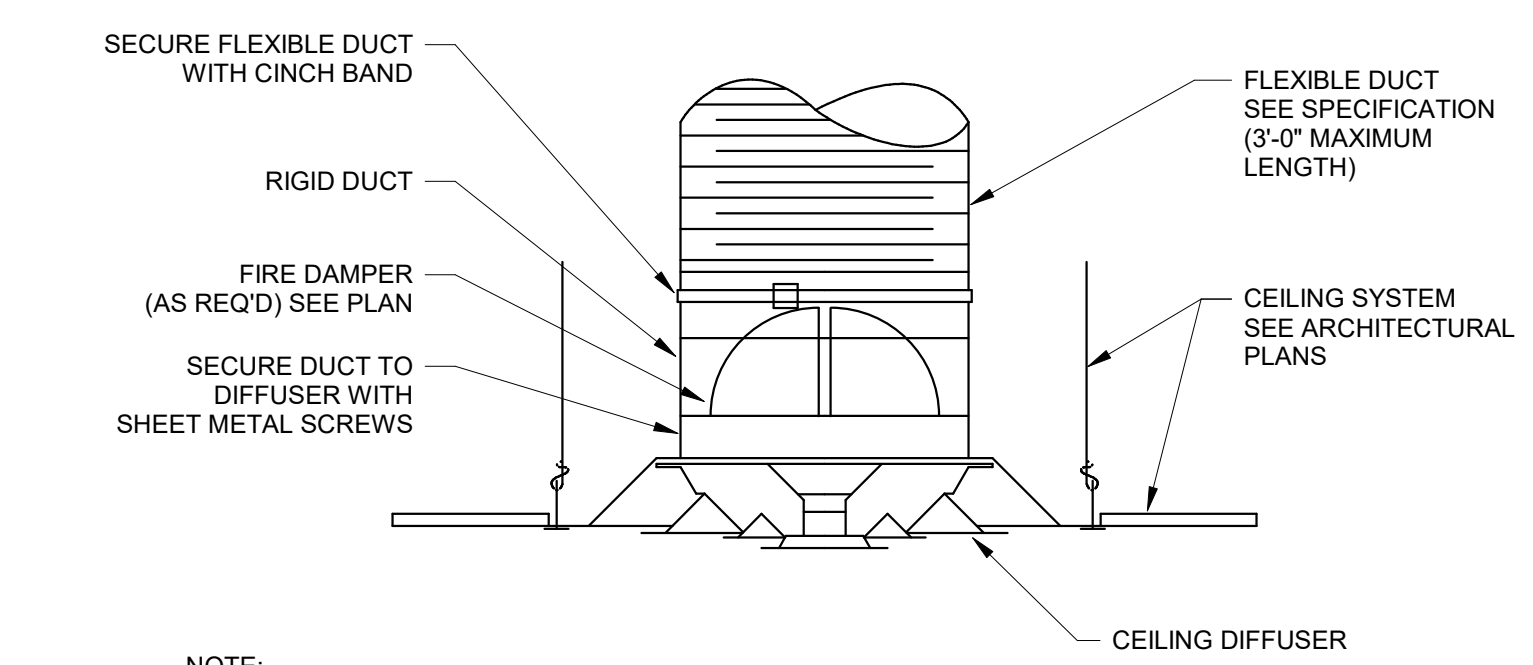
4 DUCT ROUND TAKE-OFF
SCALE: NTS



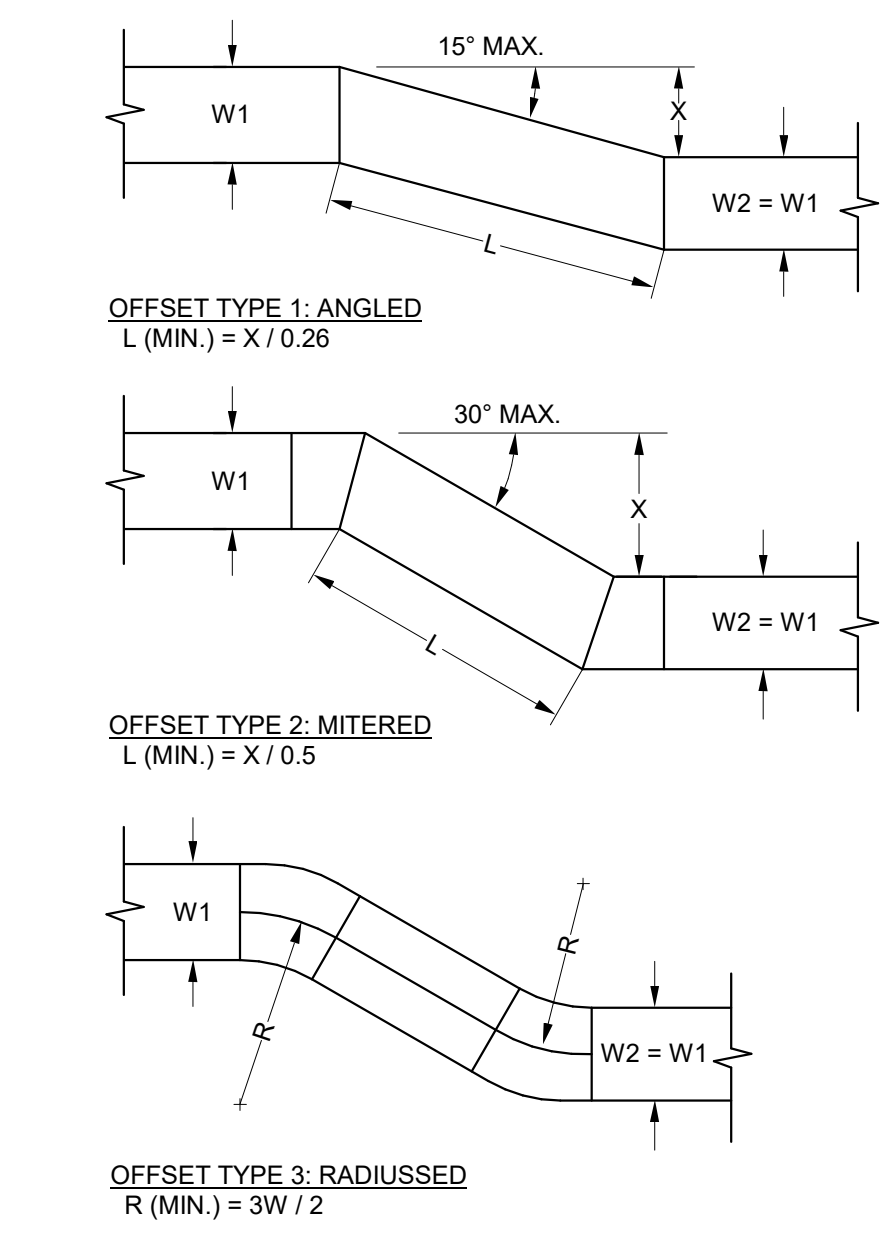
3 DUCT HIGH EFFICIENCY TAKE-OFF
SCALE: NTS



2 DUCT HANGER - ROUND
SCALE: NTS



1 CEILING DIFFUSER/GRILLE LAY-IN
SCALE: NTS



5 DUCT OFFSETS
SCALE: NTS

NOTES:
1. UNLESS OTHERWISE INDICATED ON PLANS, MAXIMUM ANGLES SHOWN SHALL APPLY.
2. ALL OFFSETS SHOWN ON DRAWINGS MADE BE MADE WITH ANY OF THE 3 OFFSET TYPES ABOVE.

NOTE:
CEILING INLETS AND OUTLETS SHALL BE INDEPENDENTLY SUPPORTED.