

# FRIENDS OF VERGENNES OPERA HOUSE - ALL ACCESS PROJECT

## CONSTRUCTION DOCUMENTS - ISSUED FOR CONSTRUCTION

April 30th, 2023

CIVIL DRAWINGS					
NUMBER	NAME	CONCEPT SET 10-11-22	SD SET 11-18-22	DD PRICING SET 02-03-23	CD PRICING SET 03/16/23
C-1.1	EXISTING & DEMOLITION SITE PLAN		X	X	X
C-1.2	PROPOSED SITE PLAN		X	X	X
C-5.1	NOTES + DETAILS		X	X	X

ARCHITECTURAL DRAWINGS					
NUMBER	NAME	CONCEPT SET 10-11-22	SD SET 11-18-22	DD PRICING SET 02/03/23	CD PRICING SET 03/16/23
A-0.0	COVER SHEET	X	X	X	X
A-0.1	SITE PLAN		X	X	X
A-1.1	LEGEND AND ARCHITECTURAL INFORMATION			X	X
A-1.2	TYP. ACCESSIBILITY DETAILS			X	X
A-1.5	PARTITION TYPES			X	X
A-2.0.1	DEMOLITION PLANS, ELEVATIONS & EX. CONDITIONS		X	X	X
A-2.0.2	DEMOLITION PLANS & ELEVATIONS			X	X
A-2.1	GROUND FLOOR PLAN & CONTEXT	X	X	X	X
A-2.2	DRESSING ROOM & PARTIAL LIFT PLANS		X	X	X
A-2.3	AUDITORIUM LEVEL & ROOF PLAN	X	X	X	X
A-3.1	REFLECTED CEILING PLANS			X	X
A-4.1	LULA TOWER ELEVATIONS		X	X	X
A-5.1	LULA SECTIONS		X	X	X
A-5.2	LIFT SECTIONS		X	X	X
A-6.0	WALL SECTIONS			X	X
A-6.1	WALL SECTIONS - TYP. DETAILS		X	X	X
A-6.2	WALL SECTIONS & DETAILS			X	X
A-6.3	WALL SECTIONS & DETAILS			X	X
A-6.4	RAILING DETAILS			X	X
A-7.1	INTERIOR ELEVATIONS - ELECTRICAL & ENTRY			X	X
A-7.2	INTERIOR ELEVATIONS - DRESSING ROOM & WC 1 & 2			X	X
A-7.3	INTERIOR ELEVATIONS - VESTIBULE			X	X
A-7.4	ENLARGED PLAN - EMR			X	X
A-8.1	LULA - ENLARGED PLAN & SECTION			X	X
A-8.2	LIFT - ENLARGED PLANS & SECTION			X	X
A-10.1	DOOR DETAILS			X	X
A-10.2	WINDOW, DOOR & FINISH SCHEDULES			X	X

STRUCTURAL DRAWINGS					
NUMBER	NAME	CONCEPT SET 10-11-22	SD SET 11-18-22	DD PRICING SET 02-03-23	CD PRICING SET 03/16/23
S-0.1	GENERAL NOTES, BASIS OF DESIGN			X	X
S-0.2	SPECIAL INSPECTIONS & TESTING			X	X
S-1.1	FOUNDATION PLAN			X	X
S-1.2	AUDITORIUM FLOOR FRAMING PLAN			X	X
S-1.3	ROOF FRAMING PLAN			X	X
S-1.4	LIFT FOUNDATION & FRAMING PLAN			X	X
S-2.0	LIFT FOUNDATION & FRAMING DETAILS			X	X
S-2.1	TYPICAL DETAILS			X	X

MECHANICAL DRAWINGS					
NUMBER	NAME	CONCEPT SET 10-11-22	SD SET 11-18-22	DD PRICING SET 02-03-23	CD PRICING SET 03/16/23
M-2.2	PROPOSED MECHANICAL & PLUMBING PLAN			X	X

**PROJECT INFORMATION:**  
 Governing Building Codes:  
**IBC applies to new construction**  
**IEBC applies to existing structural requirements only**  
 Vermont Adopted Codes and Standards  
 - National Fire Protection Association (NFPA) 101 Life Safety Code, 2015 Edition  
 - Chapter 13 Existing Assembly Occupancies  
 - Chapter 43 Building Rehabilitation  
 - Vermont Fire and Building Safety Code, 2015 Edition  
 - NFPA 1 Fire Code, 2015 Edition (Page 404)  
 - NFPA 220 for Construction type  
 - NFPA 70 National Electrical Code, 2017 Edition  
 - Vermont Electrical Safety Rules, 2017 Edition  
 - The International Building Code (IBC), 2015 Edition  
 - ICC International Plumbing Code, 2018 Edition  
 - Vermont Plumbing Rules, 2018 Edition  
 - Vermont Elevator Safety Rules, 2014  
 - 2010 Americans with Disabilities Act (ADA) Standards and Accessibility Guidelines  
 - Vermont Access Rules, 2012 Edition (2013 Amendment)  
 - 2020 Vermont Commercial Building Energy Standards  
 \*Per State of Vermont Fire & Building Safety Code 2018: New Construction: IBC & NFPA 1 & 101 apply. All IBC Chapters apply except Chapters 8, 10, 11, 13, 27, 28, 29, 33, 34.  
 \*When a conflict between codes is identified, NFPA applies for all categories, or where one code or standard has a requirement and another code or standard does not have a requirement the code or standard with a requirement shall apply.

**PROJECT DESCRIPTION**  
 The project is an accessibility focused project, where the majority of the project was conceived to add better accessibility to the existing Opera House. This is accomplished by adding one LULA elevator at the exterior of the building and one interior lift to provide handicap access to the Main Auditorium level, and other spaces including the Dressing Room and Stage. Two bathrooms are being replaced, and the existing buildings foundation and slab is being cutout and underpinned to lower the entry level floor to make it handicap accessible. There are no additional occupiable floor areas being added to the building.

**Project Classification:** Building Addition & Modification  
 Project focus is limited scope around the adaptation of handicap accessibility to the existing building, by adding vertical circulation.

**BUILDING AREAS AND HEIGHT**  
**Existing VOH Building Area: 9,735 GSF** (approx.)  
 Gross Floor Areas (GSF) are measured from the exterior face of the exterior wall and include all stairwells, elevator shafts and MEP shafts.  
 The existing building footprint is **4,877 GSF** (approx.)

Area of building addition footprint: **166 Gross Square Feet (GSF)**  
**Total Area of Building Addition: 332 GSF (2 levels)**  
**Building Addition Height: 29'-1" (2 levels)**

**USE AND OCCUPANCY CLASSIFICATION**  
**Building Addition Construction Type: 5B - sprinklered**  
**Building Addition Use: Assembly - 3**  
 Existing Building, No change of use, no change in occupancy. Additions and modifications are not changing the existing auditorium assembly space area or egress. The building addition contains a LULA elevator and vestibules. Existing egress door width will be maintained at all new doors. Work around stair enclosures will be rated 1 hr.

**TYPES OF CONSTRUCTION**  
 IBC 2015, Chapter 6:  
 Per Table 601, Fire Resistance Ratings Requirements for building elements in a Type VB Building shall be:  
 Primary Structural Frame 0 hour  
 Bearing Walls - Exterior 0 hour  
 Bearing Walls - Interior 0 hour  
 Non-Bearing Walls + Partitions Interior - 0 hour  
 Floor Construction - 0 hour  
 Roof Construction - 0 hour  
 The building is equipped throughout with an automatic sprinkler system.  
 Automatic Sprinklers will be added at the building addition and underneath the auditorium level exterior bridge. Sprinklers will be added or relocated in modified interior spaces to maintain coverage.  
 1 HR fire-rated separation at LULA elevator, lift, mechanical chase, elevator mechanical room, and stair enclosures.

ELECTRICAL DRAWINGS					
NUMBER	NAME	CONCEPT SET	SD SET	DD PRICING SET 02-03-23	CD PRICING SET 03/16/23
E-7.1C	GROUND FLOOR - ENLARGED ELECTRICAL PLAN			X	X
E-7.1E	GROUND FLOOR - ENLARGED ELECTRICAL PLAN			X	X

FIRE PROTECTION DRAWINGS					
NUMBER	NAME	CONCEPT SET	SD SET	DD PRICING SET 02-03-23	CD PRICING SET 03/16/23
FP-2.2	PROPOSED FIRE PROTECTION PLAN			X	X



Locator Map / Aerial Photo (NOT TO SCALE)



VOH & Proposed Elevator



View From Alley



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 Historic Preservation Consulting  
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 802.536.5262

DATE ISSUED: 04/30/23  
 Drawn: GP  
 Checked: AN

REVISIONS:

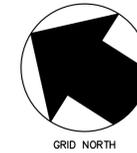


**ISSUED FOR CONSTRUCTION**

**F.V.O.H. ALL ACCESS**  
 120 Main St, Vergennes,  
 VT 05491

COVER SHEET

A-0.0



**GENERAL NOTES**

1. THESE PLANS ARE BASED ON A TOPOGRAPHIC SURVEY CONDUCTED WITH A TWO SECOND TOTAL STATION ON 10/21/2022 BY OTTER CREEK ENGINEERING, INC.
2. ELEVATION IS BASED ON NAVD 88.
3. COORDINATE SYSTEM IS BASED ON STATE PLANE NAD 83.
4. REFER TO LEGEND LOCATED ON THIS SHEET FOR SYMBOL DESIGNATIONS.
5. ALL UNDERGROUND UTILITIES ARE SHOWN AS APPROXIMATE LOCATIONS.
6. FOR CLARITY, OVERHEAD LINES ARE NOT SHOWN.
7. THIS IS NOT A BOUNDARY SURVEY.
8. CONTRACT DOCUMENTS AND TECHNICAL SPECIFICATIONS ACCOMPANY THESE PLANS AND ARE ESSENTIAL FOR CONSTRUCTION OF THIS PROJECT.

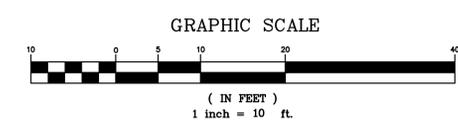
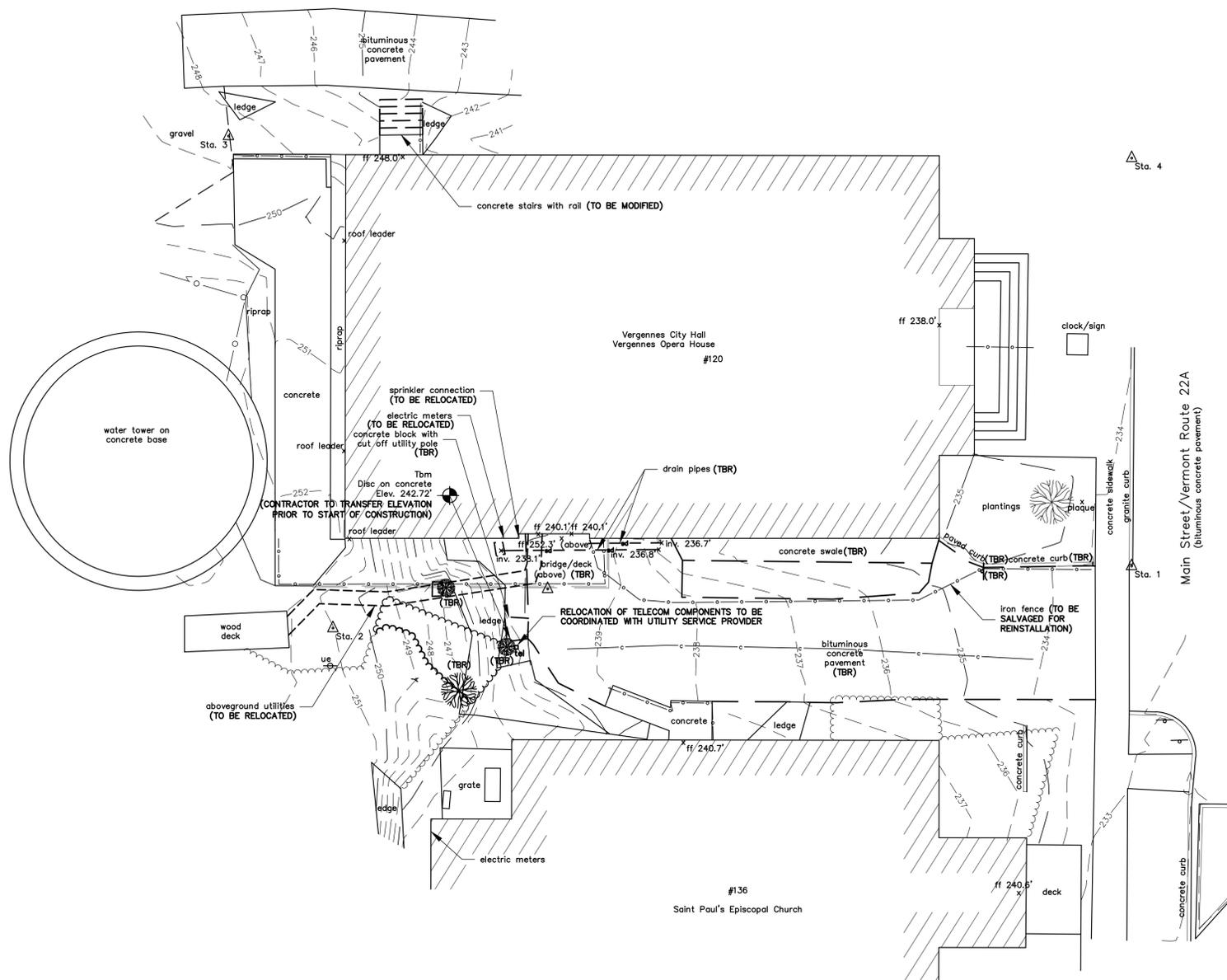
**LEGEND**

	boundary line/r.o.w.
	easement
	road/parking/drive (paved)
	road/parking/drive (gravel)
	tree line/hedge row
	1 foot contour
	5 foot contour
	chain link fence
	ralling
	underground electric
	overhead utility
	underground telephone
	communications
	storm drain
	water main
	sanitary sewer
	sewer force main
	liquid propane
	signs
	light pole
	utility pole
	guy
	telephone pedestal
	deciduous tree
	coniferous tree
	traverse station
	temporary benchmark
	FINISH GRADE
	STORM DRAIN
	CATCH BASIN
	WATER MAIN
	WATER SERVICE
	HYDRANT ASSEMBLY
	GATE VALVE
	REDUCER
	CURB STOP
	SANITARY SEWER
	SEWER MANHOLE

**NOTE:**  
 TEXT DENOTING EXISTING ITEMS IS SHOWN IN LOWER CASE, AND  
 TEXT DENOTING PROPOSED ITEMS IS UPPERCASE AND BOLD.

**ABBREVIATIONS**

CI - CAST IRON	MH - MANHOLE
CB - CATCH BASIN	MJ - MECHANICAL JOINT
CL - CLASS	NFL - NOT FIELD LOCATED
CMP - CORRUGATED METAL PIPE	NLD - NO LEDGE TO DEPTH
CS - CURB STOP	NTS - NOT TO SCALE
DI - DUCTILE IRON	PVC - POLYVINYL CHLORIDE
DMH - DRAIN MANHOLE	ROW - RIGHT OF WAY
FL - FLANGE	SCH - SCHEDULE
FM - FORCE MAIN	SD - STORM DRAIN
FRP - FIBERGLASS REINFORCED PLASTIC	SMH - SEWER MANHOLE
GPM - GALLONS PER MINUTE	TBM - TEMPORARY BENCHMARK
GSP - GALVANIZED SERVICE PIPE	TBA - TO BE ABANDONED
GV - GATE VALVE	TBR - TO BE REMOVED
HDPE - HIGH DENSITY POLYETHYLENE	TMH - TELEPHONE MANHOLE
INV - INVERT	WMH - WATER MANHOLE
IP - IRON PIPE/PIN	UE - UNDERGROUND ELECTRIC
IPF - IRON PIPE/PIN FOUND	U.N.O. - UNLESS NOTED OTHERWISE



DATE ISSUED: 04/30/23

Drawn: RR  
 Checked: BFR

REVISIONS:

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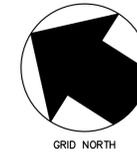
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 120 Main St, Vergennes, VT  
 05491

EXISTING AND  
 DEMOLITION  
 SITE PLAN

C-1.1

**CONSTRUCTION NOTES**

- EXISTING IRON FENCE SHALL BE REMOVED AND REUSED.
- REFER TO LANDSCAPE AND ARCHITECTURAL PLANS FOR SURFACE TREATMENT ON CONCRETE SIDEWALK.
- STAIRS, WALKS, AND LANDINGS SERVING SAINT PAUL'S EPISCOPAL CHURCH SHALL BE EXCLUDED FROM SCOPE. THEY ARE SHOWN FOR INFORMATIONAL PURPOSES ONLY.
- CONTRACTOR SHALL CONFIRM/VERIFY EXISTING UTILITY SERVICES ADJACENT TO AND ALONG THE NORTHWEST CORNER OF VERGENNES OPERA HOUSE. UTILITIES SHALL BE DEACTIVATED/DE-ENERGIZED PRIOR TO GROUND DISTURBING ACTIVITIES.
- LEDGE IS PRESENT IN AND AROUND PROPOSED BUILDING ADDITION AND LIFT. CONTRACTOR SHALL TAKE CARE TO REMOVE AS NECESSARY TO ACCOMMODATE PROPOSED IMPROVEMENTS WITHOUT ADVERSELY AFFECTING ADJACENT STRUCTURES.



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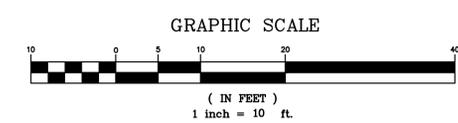
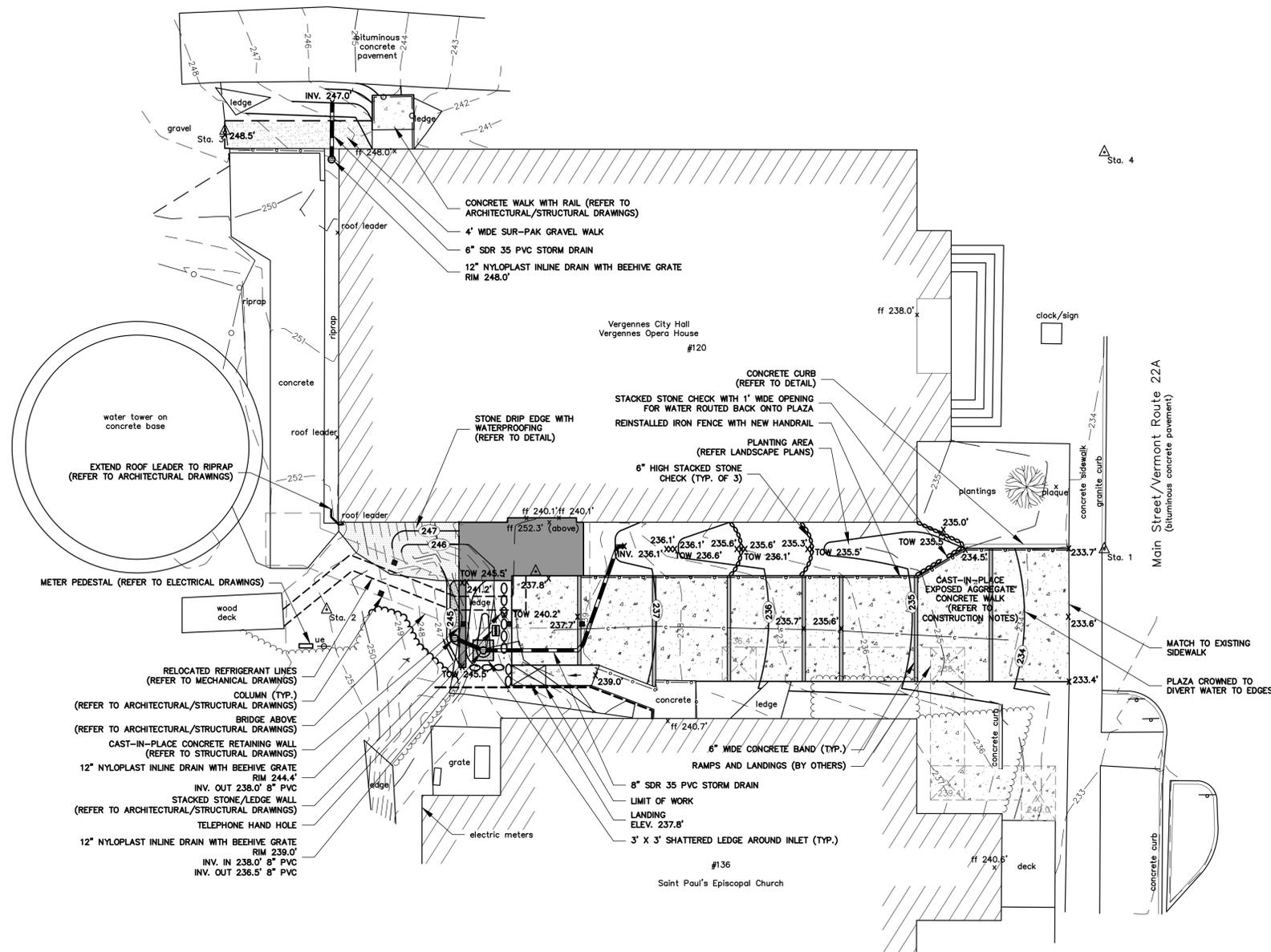
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PROPOSED  
SITE PLAN

C-1.2



**SAFETY AND PROTECTION NOTES**

1. CONTRACTOR SHALL BE RESPONSIBLE FOR INITIATING, MAINTAINING AND SUPERVISING ALL WORK SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK. CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PREVENT DAMAGE, INJURY OR LOSS TO:

- A. ALL EMPLOYEES ON THE WORK SITE AND OTHER PERSONS WHO MAY BE AFFECTED.
- B. THE WORK SITE AND ALL THE MATERIALS AND EQUIPMENT TO BE INCORPORATED WHETHER IN STORAGE ON OR OFF THE SITE.
- C. OTHER PROPERTY AT THE SITE OR ADJACENT, INCLUDING BUT NOT LIMITED TO TREES, SHRUBS, LAWNS, WALKS, PAVEMENTS, ROADWAYS, STRUCTURES AND UTILITIES NOT DESIGNATED FOR REMOVAL, RELOCATION, OR REPLACEMENT IN THE COURSE OF CONSTRUCTION.

2. CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE LAWS, ORDINANCES, RULES, REGULATIONS AND ORDERS (INCLUDING O.S.H.A. REGULATIONS) OF ANY PUBLIC BODY HAVING JURISDICTION OVER THE SAFETY OF PERSONS OR PROPERTY.

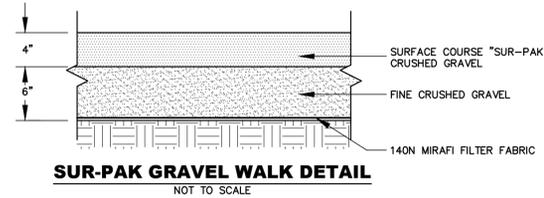
3. THE CONTRACTOR SHALL NOTIFY OWNERS OF ADJACENT PROPERTY AND UTILITIES WHEN EXECUTION OF THE WORK WILL AFFECT THEM.

4. THE CONTRACTOR'S DUTIES AND RESPONSIBILITIES FOR THE SAFETY AND PROTECTION OF THE WORK SHALL CONTINUE UNTIL SUCH TIME AS ALL THE WORK IS COMPLETED.

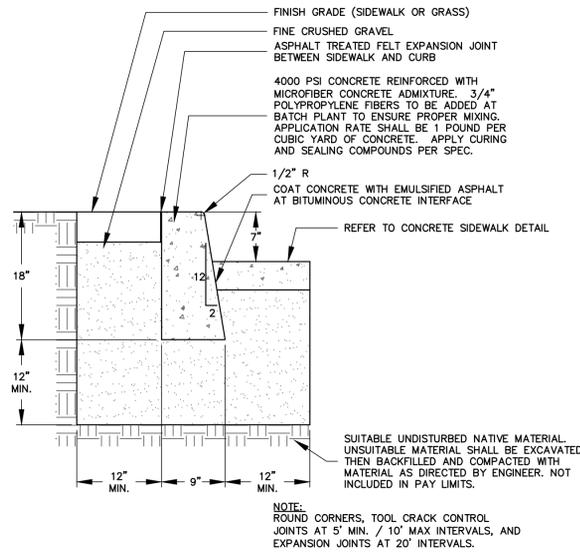
5. THE LOCATION OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REPRESENTATIVE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK, AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH OCCUR BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES. IF PIPELINE DAMAGES OCCUR WHICH RESULTS IN A GAS RELEASE, CONTRACTOR IS REQUIRED BY LAW TO CALL 911.

6. CONTRACTOR SHALL COORDINATE WITH DIG-SAFE (888)-344-7233 OR WWW.DIGSAFE.COM A MINIMUM OF 48 HOURS PRIOR TO PERFORMING ANY EXCAVATION.

7. AT THE CLOSE OF EACH WORK DAY, THE CONTRACTOR SHALL BACKFILL OR ADEQUATELY BARRICADE ALL OPEN TRENCHES.



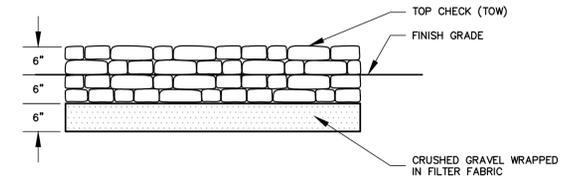
**SUR-PAK GRAVEL WALK DETAIL**  
NOT TO SCALE



**CONCRETE CURB DETAIL**  
NOT TO SCALE

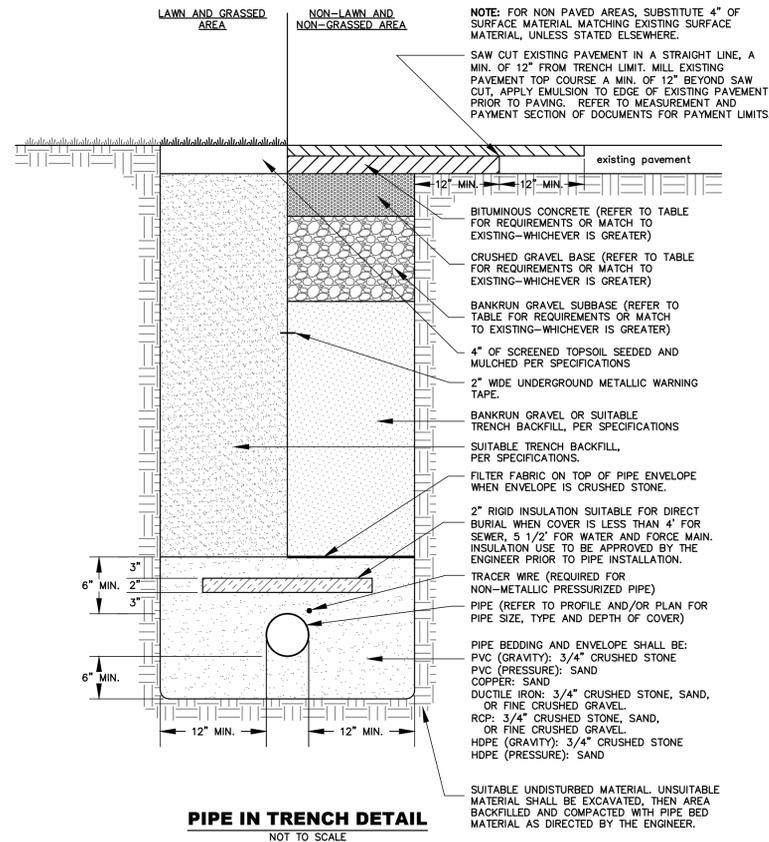
**EROSION CONTROL NOTES**

1. THE PROJECT IS NOT REQUIRED TO OBTAIN COVERAGE UNDER THE STATE OF VERMONT'S CONSTRUCTION GENERAL PERMIT (3-9020).
2. THE CONTRACTOR IS RESPONSIBLE FOR COMPLIANCE WITH THE STATE OF VERMONT WATER QUALITY STANDARDS. ANY FINES ASSESSED BY REGULATORY AGENCIES FOR THE NONCOMPLIANCE WITH STATE WATER QUALITY STANDARDS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING THE PERSONNEL REQUIRED TO INSPECT AND MAINTAIN EROSION PREVENTION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES (BMPs) FOR THIS PROJECT.
3. THE EROSION PREVENTION AND SEDIMENT CONTROL MEASURES SHOWN ON THE PLANS DO NOT RELIEVE THE CONTRACTOR'S RESPONSIBILITY TO OBSERVE, EVALUATE AND CONSIDER ALTERNATIVES AND TO PROPOSE APPROPRIATE RECOMMENDATIONS IN ORDER TO LIMIT POTENTIAL WATER QUALITY IMPACTS.
4. EROSION CONTROL MEASURES SHALL BE MONITORED AND MAINTAINED THROUGHOUT CONSTRUCTION AND REMOVED AFTER PROJECT AREA AND DRAINAGE COURSES ARE FULLY ESTABLISHED AND STABLE.
5. ALL DISTURBED AREAS NOT UNDER ACTIVE CONSTRUCTION SHALL BE STABILIZED BY ROUGH GRADING TO MINIMIZE SLOPES AND MULCHED, FOLLOWING FINAL GRADING OF ANY PORTION OF THE SITE, CONTRACTOR SHALL LOAM, SEED AND MULCH WITHIN ONE WEEK.
6. REFER TO CONTRACT SPECIFICATIONS AND DETAILS FOR ADDITIONAL INFORMATION.
7. THE CONTRACTOR SHALL INSTALL INLET PROTECTION ON ALL CATCH BASINS WITHIN 100 FEET DOWN GRADIENT OF THE ACTIVELY WORKED CONSTRUCTION AREA. INLET PROTECTION BEST MANAGEMENT PRACTICES SHALL BE INSTALLED PRIOR TO THE START OF WORK AND IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.



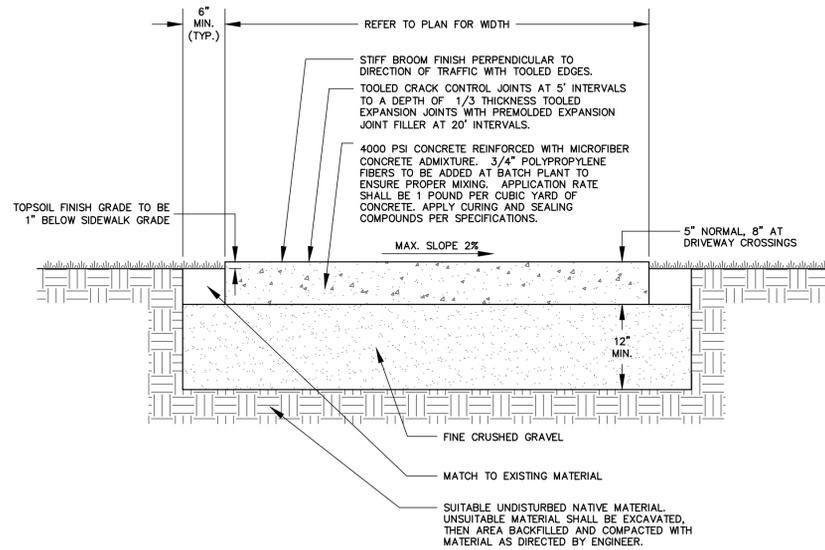
- NOTES:**
1. FRACTURED STONE FROM LEDGE REMOVAL ACTIVITIES IS INTENDED TO BE UTILIZED IN CONSTRUCTION OF STONE CHECKS. STONE SHALL BE HARD, SOUND AND AS NEARLY RECTANGULAR IN SECTION AS PRACTICABLE. THE LONGEST DIMENSION OF STONE SHALL VARY FROM 6" TO 15" WITH THE LEAST DIMENSION NO LESS THAN 4". STONE CHECK SHALL HAVE MINIMUM WIDTH OF 18".
  2. IN AREAS OF STONE CHECKS, DEPTH TO LEDGE MAY PROHIBIT FULL INSTALLATION OF GRAVEL BASE. ADJUSTMENTS TO FIT SITE CONDITIONS ARE ACCEPTABLE.

**STACKED STONE CHECK DETAIL**  
NOT TO SCALE

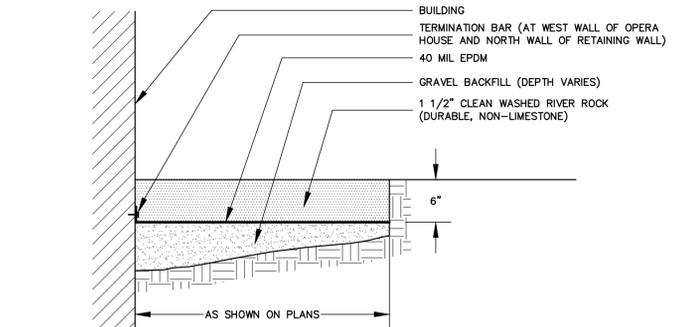


**PIPE IN TRENCH DETAIL**  
NOT TO SCALE

TRENCH RESTORATION TABLE			
LOCATION	BITUMINOUS PAVEMENT (THICKNESS/TYPE)	CRUSHED GRAVEL BASE	BANKRUN SUBBASE
STATE VTRANS	TOP: 1.5"/TYPE 3 (1 1/2") BASE: 2.5"/TYPE 2 (3/4")	6"	18"
TOWN ROADS	TOP: 1.5"/TYPE 4 (3/8") BASE: 2.5"/TYPE 2 (3/4")	6"	12"
PRIVATE/DRIVE	TOP: 1.5"/TYPE 4 (3/8") BASE: 2.5"/TYPE 2 (3/4")	12"	0"



**CONCRETE WALK DETAIL**  
NOT TO SCALE



**STONE DRIP EDGE WITH WATERPROOFING DETAIL**  
NOT TO SCALE



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DATE ISSUED: 04/30/23

Drawn: RR  
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REVISIONS:

ISSUED FOR CD  
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F.V.O.H. ALL  
ACCESS  
120 Main St, Vergennes, VT  
05491

NOTES AND  
DETAILS

C-5.1



**ISSUED FOR  
CONSTRUCTION**

**F.V.O.H. ALL  
ACCESS**

120 Main St, Vergennes,  
VT 05491

SITE PLAN

A-0.1

**GENERAL NOTES**

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3. COORDINATE SYSTEM IS BASED ON STATE PLANE NAD 83.
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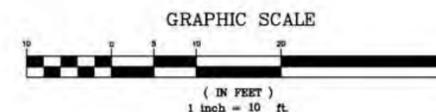
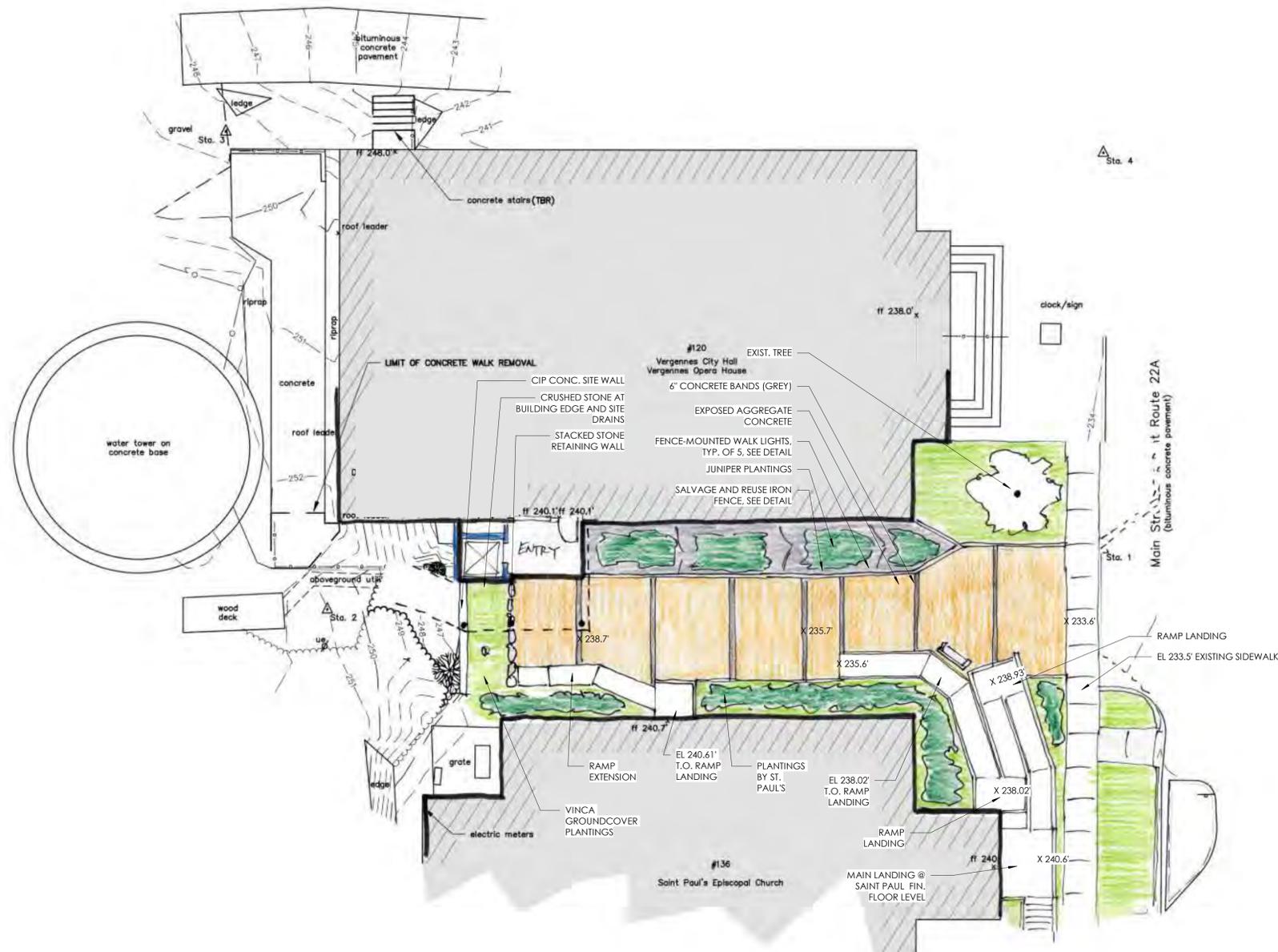
**LEGEND**

	boundary line/r.o.w.
	easement
	road/parking/drive (paved)
	road/parking/drive (gravel)
	tree line/hedge row
	1 foot contour
	5 foot contour
	chain link fence
	rolling
	underground electric
	overhead utility
	underground telephone
	communications
	storm drain
	water main
	sanitary sewer
	sewer force main
	liquid propane
	signs
	light pole
	utility pole
	guy
	telephone pedestal
	deciduous tree
	coniferous tree
	traverse station
	temporary benchmark
	FINISH GRADE
	STORM DRAIN
	CATCH BASIN
	WATER MAIN
	WATER SERVICE
	HYDRANT ASSEMBLY
	GATE VALVE
	REDUCER
	CURB STOP
	SANITARY SEWER
	SEWER MANHOLE

**NOTE:**  
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**ABBREVIATIONS**

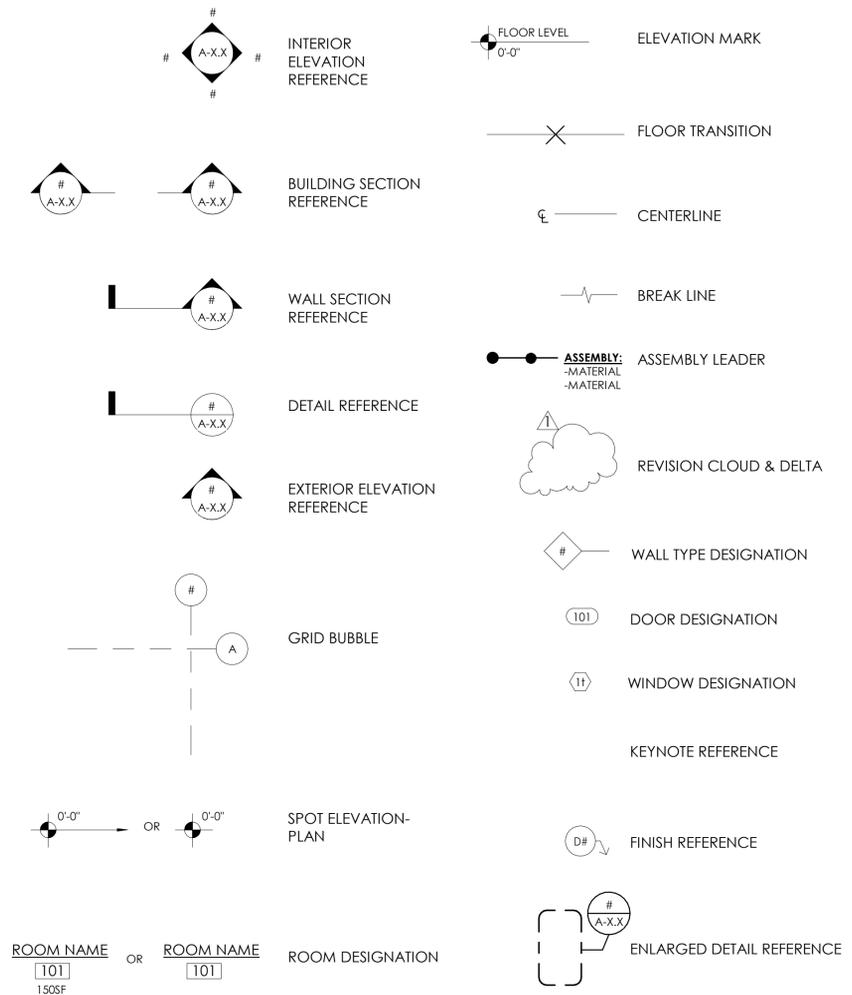
CI	- CAST IRON	MH	- MANHOLE
CB	- CATCH BASIN	MJ	- MECHANICAL JOINT
CL	- CLASS	NFL	- NOT FIELD LOCATED
CMP	- CORRUGATED METAL PIPE	NLTD	- NO LEDGE TO DEPTH
CS	- CURB STOP	NTS	- NOT TO SCALE
DI	- DUCTILE IRON	PVC	- POLYVINYL CHLORIDE
DMH	- DRAIN MANHOLE	ROW	- RIGHT OF WAY
FL	- FLANGE	SCH	- SCHEDULE
FM	- FORCE MAIN	SD	- STORM DRAIN
FRP	- FIBERGLASS REINFORCED PLASTIC	SMH	- SEWER MANHOLE
GPM	- GALLONS PER MINUTE	TBM	- TEMPORARY BENCHMARK
GSP	- GALVANIZED SERVICE PIPE	TBA	- TO BE ABANDONED
GV	- GATE VALVE	TBR	- TO BE REMOVED
HDPPE	- HIGH DENSITY POLYETHYLENE	TMH	- TELEPHONE MANHOLE
INV	- INVERT	WMH	- WATER MANHOLE
IP	- IRON PIPE/PIN	UE	- UNDERGROUND ELECTRIC
IPF	- IRON PIPE/PIN FOUND	U.N.O.	- UNLESS NOTED OTHERWISE



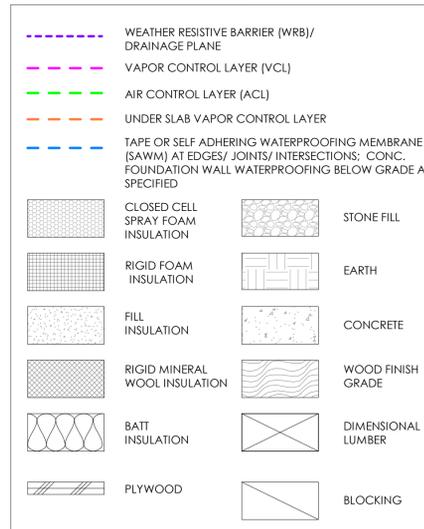
# ARCHITECTURAL ABBREVIATIONS

A.B.	ANCHOR BOLT	FCP	FIBER CEMENT PANEL	MFR	MANUFACTURER
A.C.T.	ACOUSTICAL TILE	FD	FLOOR DRAIN	M.O.	MASONRY OPENING
A.D.	AREA DRAIN	FE	FIRE EXTINGUISHER	M.R.	MOISTURE RESISTANT
A.F.F.	ABOVE FINISHED FLOOR	FG	FIBERGLASS	MAT.	MATERIAL
A/C	AIR CONDITIONING	FH	FIRE HYDRANT	MAX.	MAXIMUM
ACOUS.	ACOUSTICAL	F.O.	FACE OF	MECH.	MECHANICAL
ADJ.	ADJUSTABLE	F.O.F.	FACE OF FRAMING	MEZZ.	MEZZANINE
ALT.	ALTERNATE	F.O.S.	FACE OF SHEATHING	MIN.	MINIMUM
ALUM./AL	ALUMINUM	F.O.FIN.	FACE OF FINISH	MISC.	MISCELLANEOUS
ANCH.	ANCHOR(AGE)	FIN.	FINISH(ED)	MTL.	METAL
ANOD.	ANODIZED	FIXT.	FIXTURE		
A.P.	ACCESS PANEL	FLR.	FLOOR	N/A	NOT APPLICABLE
APPROX.	APPROXIMATE	FND.	FOUNDATION	N.J.C.	NOT IN CONTRACT
		FR.	FRAME	N.T.S.	NOT TO SCALE
B.M.	BENCHMARK	FT.	FOOT/FEET	NAT.	NATURAL
B.W.	BOTH WAYS	FTG.	FOOTING	NO.	NUMBER
BD.	BOARD	FUR.	FURNISHING/FURNITURE	NOM.	NOMINAL
BLDG.	BUILDING				
BLKG.	BLOCKING	G.W.B.	GYPSUM WALL BOARD	O.A.E.	OR APPROVED EQUAL
BO	BY OTHERS	GA.	GAUGE	O.C.	ON CENTER
BOT.	BOTTOM	GALV.	GALVANIZED	O.D.	OUTSIDE DIAMETER
BSMT.	BASEMENT	GKT.	GASKET	OPNG.	OPENING
		GL.	GLASS	OPP.	OPPOSITE
		GYP.	GYPSUM	PC	PRE-CAST
C.B.	CATCH BASIN			PT	PRESSURE TREATED
C.I.	CAST IRON	H.B.	HOSE BIBB	PVC	POLYVINYL CHLORIDE
C.I.P.	CAST IN PLACE	H.C.	HOLLOW CORE	PL.	PLATE
C.J.	CONTROL JOINT	H.M.	HOLLOW METAL	PLAM	PLASTIC LAMINATE
C.M.U.	CONCRETE MASONRY UNIT	HVAC	HEATING VENTILATING & AIR COND	PLAS.	PLASTER
C.T.	CERAMIC TILE	H/C	HANDICAPPED	PLG.	PLUMBING
CAB.	CABINET	HDWD.	HARDWOOD	PLYWD.	PLYWOOD
C/L	CENTERLINE	HDWR.	HARDWARE	PNL.	PANEL
CLG.	CEILING	HOR.	HORIZONTAL	PREFAB.	PREFABRICATE(D)
CL.	CLOSET	HSS	HOLLOW STRUCTURAL SECTION	PTD.	PAINT(ED) (OR STAINED)
CLR.	CLEAR	HT.	HEIGHT	PVMT.	PAVEMENT
COL.	COLUMN				
CONC.	CONCRETE	I.D.	INSIDE DIAMETER	Q.T.	QUARRY TILE
CONN.	CONNECTION	INCL.	INCLUDE(D) (-ING)	QTY.	QUANTITY
COR.	CORRUGATED	INSUL.	INSULATE(D) (-ING)	R.	RADIUS/RISER
CPT.	CARPET	INT.	INTERIOR	R.B.	RUBBER BASE
CTR.	CENTER	INV.	INVERT	R.F.	RUBBER FLOORING
				R.D.	ROOF DRAIN
D.	DEPTH	JC	JANITOR'S CLOSET	R.O.	ROUGH OPENING
D.F.	DRINKING FOUNTAIN	JAN.	JANITOR	REF.	REFERENCE
D.H.	DOUBLE HUNG	JST.	JOIST	REINF.	REINFORCING
D.O.	DOOR OPENING	JT.	JOINT	REQ.	REQUIRED
DIA.	DIAMETER			RM.	ROOM
DIAG.	DIAGONAL	L.	LENGTH		
DIM.	DIMENSION	LF	LINEAR FEET	SCHED	SCHEDULE
DL.	DEAD LOAD	LL	LIVE LOAD	S.S.	STAINLESS STEEL
DN.	DOWN	LL.H.	LONG LEG HORIZONTAL	SD	SOAP DISPENSER
DTL.	DETAIL	LL.V.	LONG LEG VERTICAL	STRUCT	STRUCTURAL
DWG.	DRAWING	LAM.	LAMINATE	SQ. FT.	SQUARE FEET
		LAV.	LAVATORY	SV	SALVAGED
E.J.	EXPANSION JOINT	LOC.	LOCATE(D) (-ION)		
EA.	EACH	LT.GA.	LIGHT GAUGE	TB	THERMALLY BROKEN
ELEC.	ELECTRIC(AL)	LTG.	LIGHTING	TP	TOILET PARTITION
ELEV.	ELEVATION	LTL.	LINTEL	TPD	TOILET PAPER DISPENSER
EP.	ELECTRICAL PANEL	LVR.	LOUVER	TYP.	TYPICAL
EQ.	EQUAL				
EQUIP.	EQUIPMENT			U.O.N.	UNLESS OTHERWISE NOTED
EXP.	EXPOSED			V.I.F. or VIF	VERIFY IN FIELD
EXTG.	EXISTING			WC	WASH CLOSET
EXT.	EXTERIOR			WS	WINDOW SHADE

# DRAWING SYMBOLS



## SECTION DETAILS AND MATERIALS LEGEND



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DATE ISSUED: 04/30/23  
 Drawn: GP  
 Checked: EF

**REVISIONS:**  
 REVISIONS ARE NOTED PER SHEET.  
 REFERENCE DOCUMENT CONTROL SHEET  
 FOR MOST CURRENT VERSIONS OF EACH  
 PROJECT DOCUMENT.



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 120 Main St, Vergennes,  
 VT 05491

**LEGEND AND ARCHITECTURAL INFORMATION**

**A-1.1**



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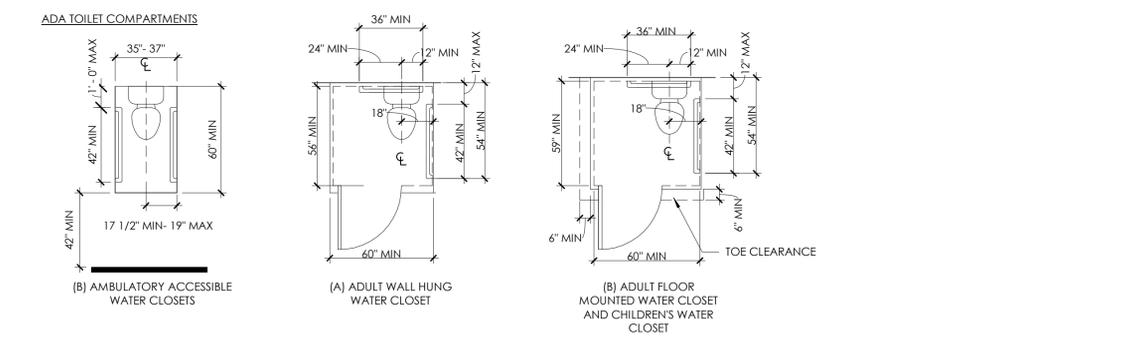
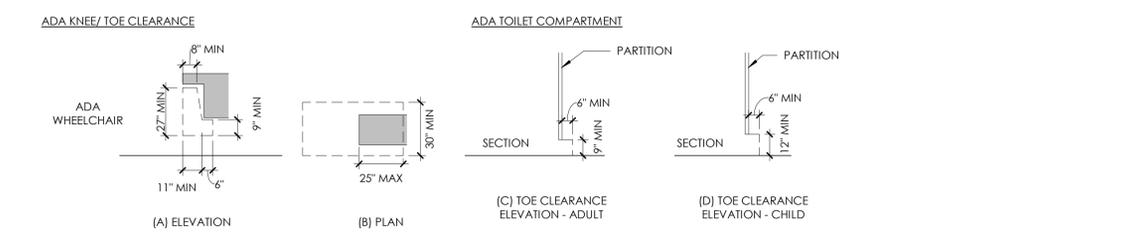
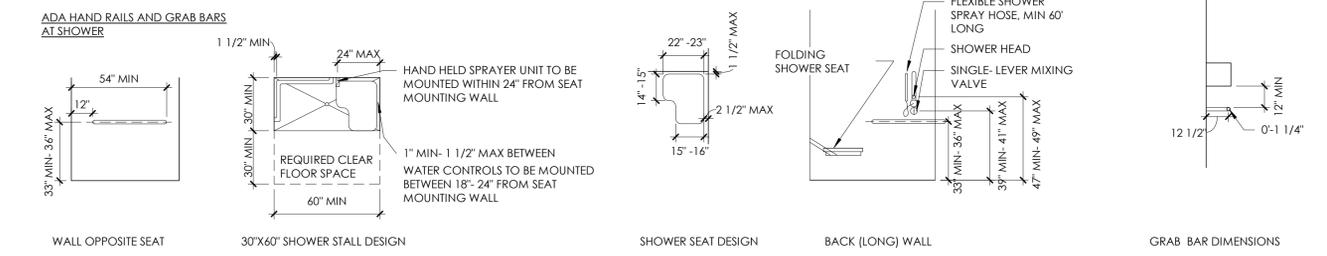
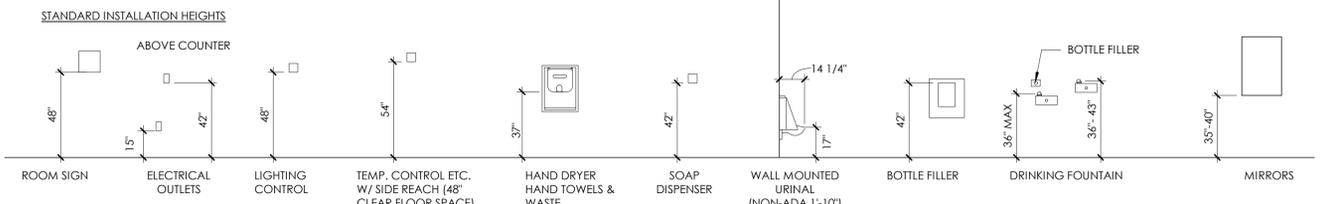
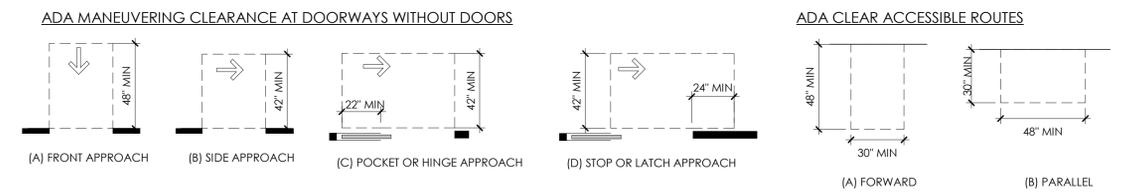
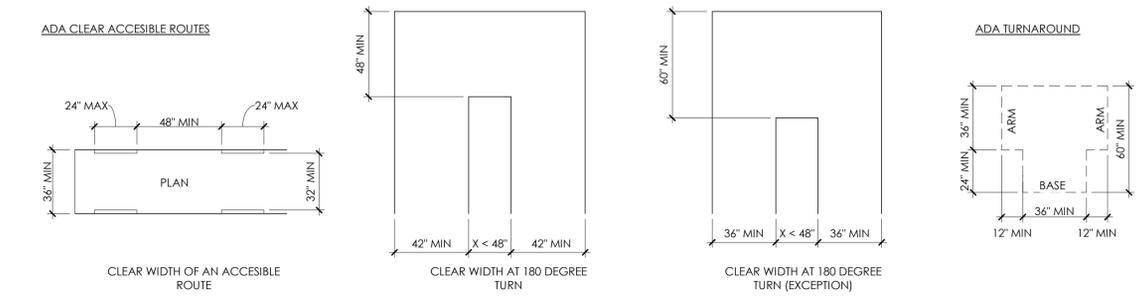
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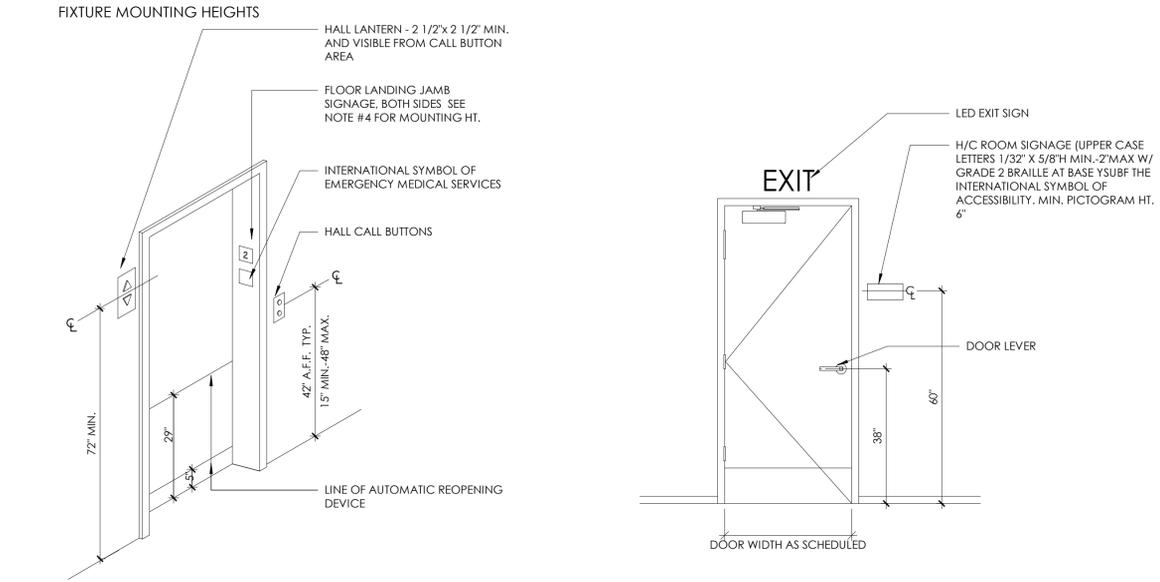
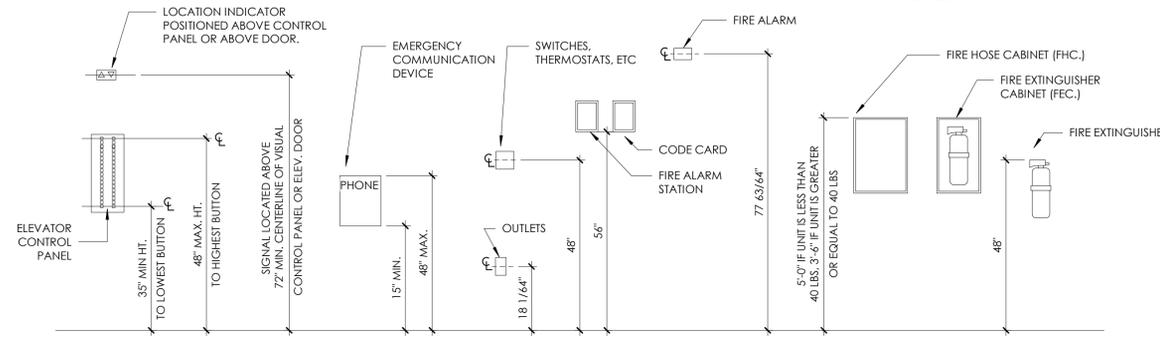
TYP.  
**ACCESSIBILITY DETAILS**

**A-1.2**

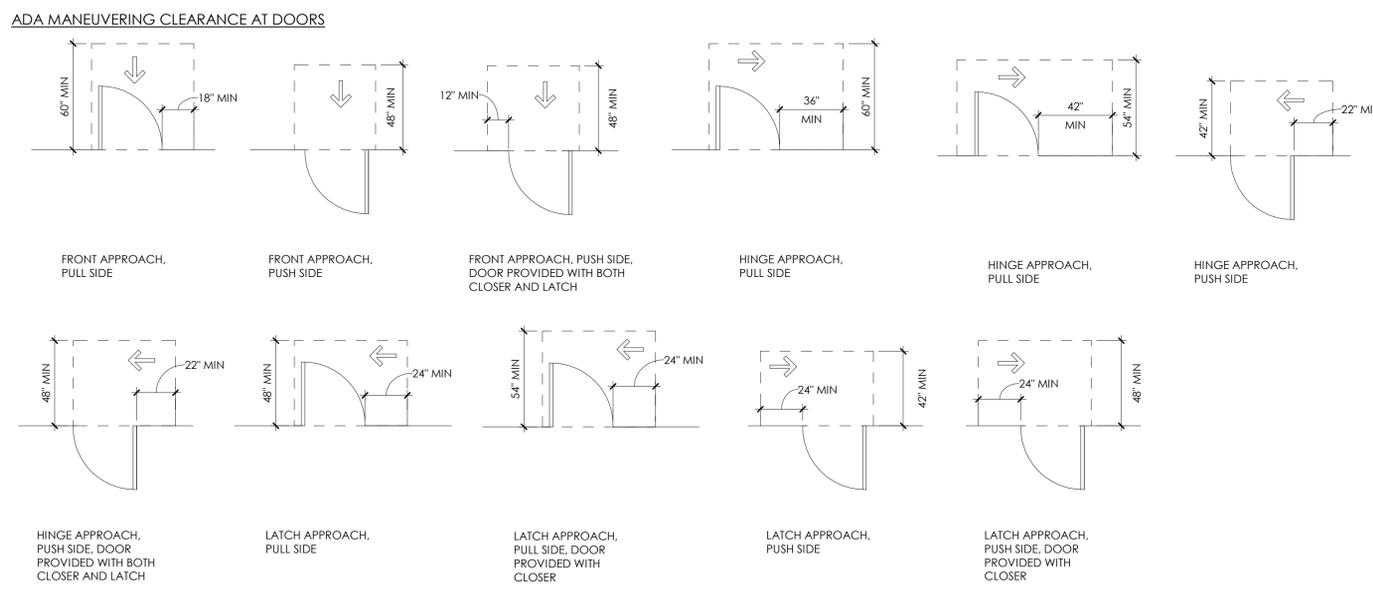
NOTE: WHEREVER POSSIBLE, WALL-MOUNTED DEVICES SHALL BE ALIGNED VERTICALLY AND HORIZONTALLY. IF UNSURE ABOUT ALIGNMENT, CONTRACTOR SHALL COORDINATE WITH ARCHITECT.



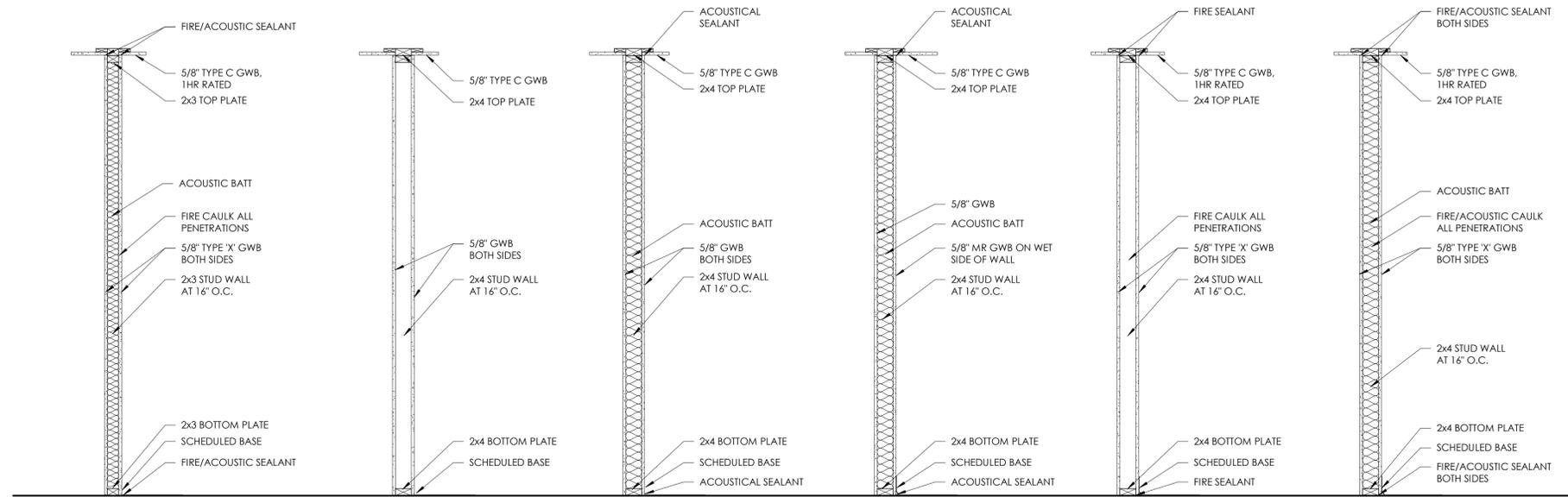
? ADA Standards  
1/4" = 1'-0"



? SETOUT OF DOOR SIGNAGE  
1/2" = 1'-0"



? ADA Doors and Clearances  
1/4" = 1'-0"



- 0** **2x3 PARTITION - NON-RATED**

  - 5/8" GWB, ONE SIDE
  - 2x3 STUD FRAMING
  - NO FIRE SEALANT, REQUIRED
  - NO ACOUSTICAL BATT INSULATION
- 1** **2x4 PARTITION**
- 1A** **2x4 ACOUSTIC PARTITION**

STC: 35-39
- 1M** **2x4 MOISTURE PARTITION**

STC: 35-39
- 1X** **2x4 FIRE RATED PARTITION**

1 HR RATED  
UL DESIGN U305  
STC: 30-34
- 1XA** **2x4 FIRE RATED ACOUSTIC PARTITION**

1 HR RATED  
UL DESIGN U305  
STC: 35-39

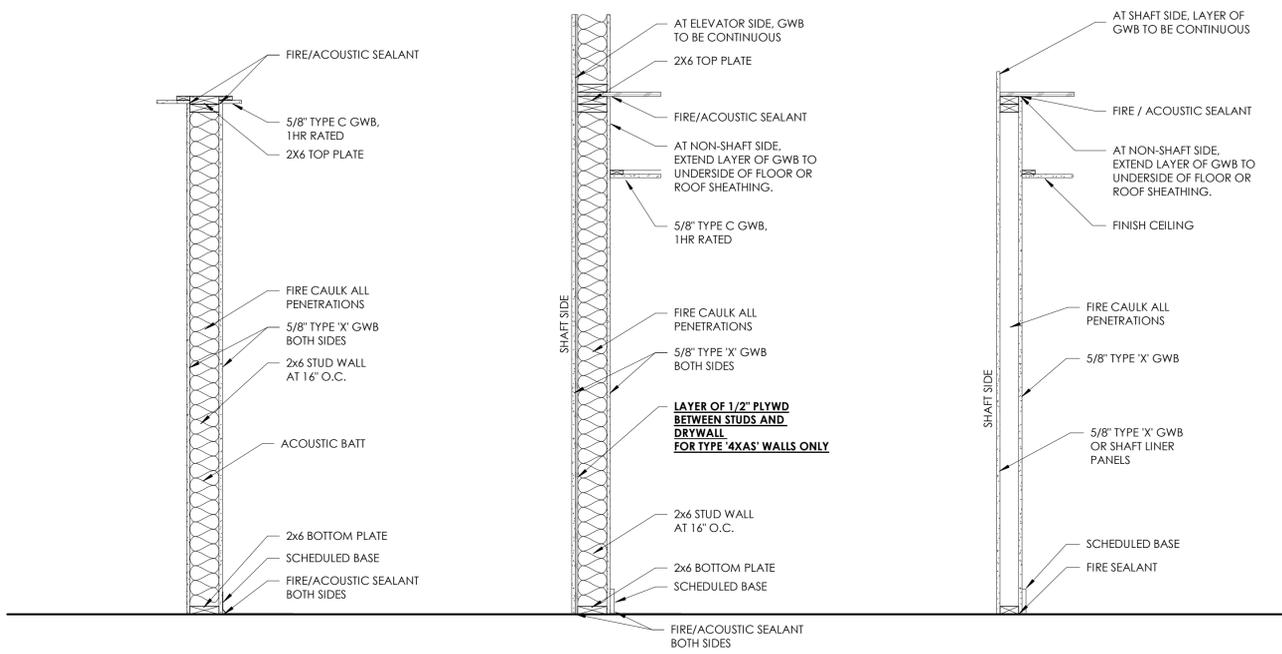
**2x4 FIRE RATED ACOUSTIC & MOISTURE PARTITION**

WALL AS NOTED ABOVE WITH MR GWB

1 HR RATED  
UL DESIGN U305  
STC: 35-39
- 0XA** **2x3 FIRE RATED & ACOUSTIC PARTITION**

1 HR RATED  
UL DESIGN U305  
STC: 35-39
- 0X** **2x3 FIRE RATED & ACOUSTIC PARTITION**

WALL AS NOTED ABOVE WITHOUT ACOUSTICAL BATT & ACOUSTICAL SEALANT INSULATIONS



- 2XA** **2x6 FIRE RATED ACOUSTIC PARTITION**

1 HR RATED  
UL DESIGN U305
- 4XA** **2x6 FIRE RATED PARTITION**

NO PLYWOOD SHEATHING, U.O.N.

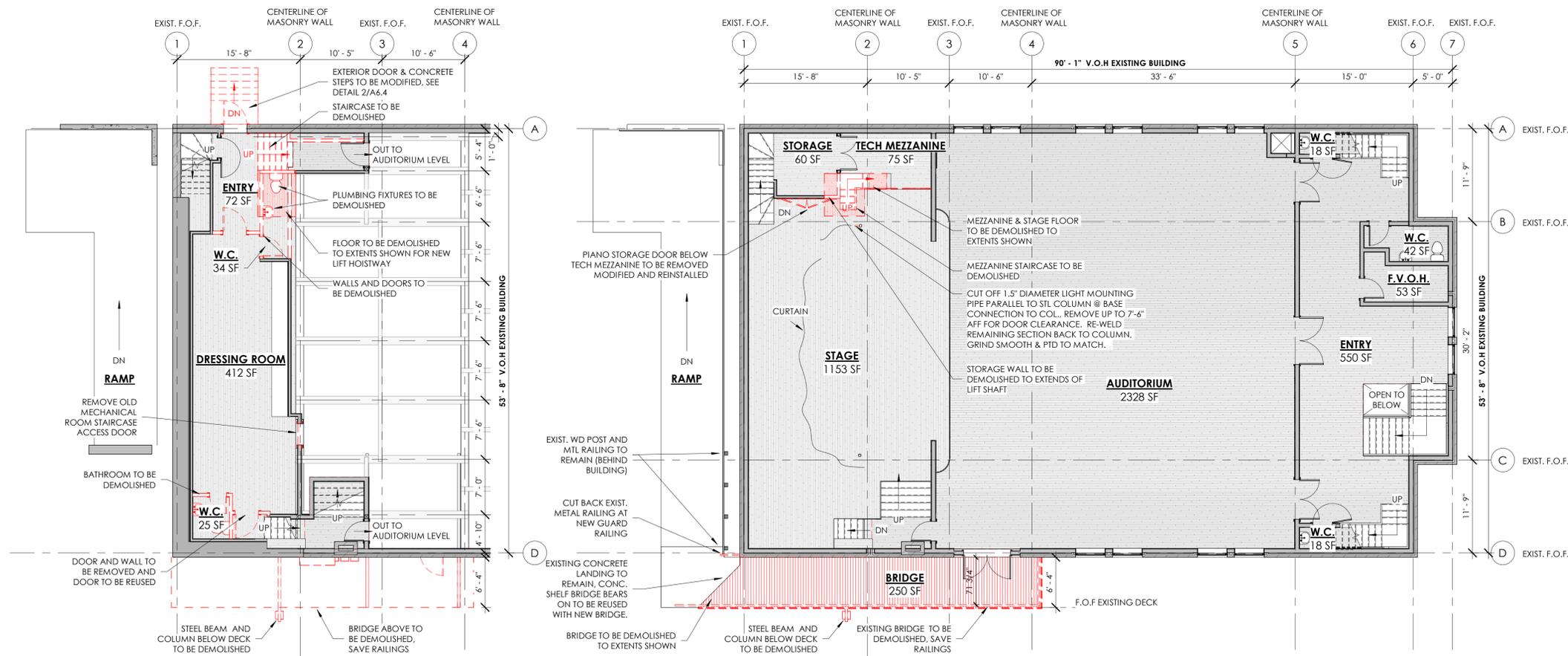
1 HR RATED  
UL DESIGN U305
- 4XAS** **2x6 FIRE RATED ACOUSTIC SHEAR WALL SHAFT**

ADD 1/2" PLYWOOD AT HOISTWAY SIDE OF WALL

1 HR RATED  
UL DESIGN U305
- 4X** **1HR RATED SHAFT WALL**

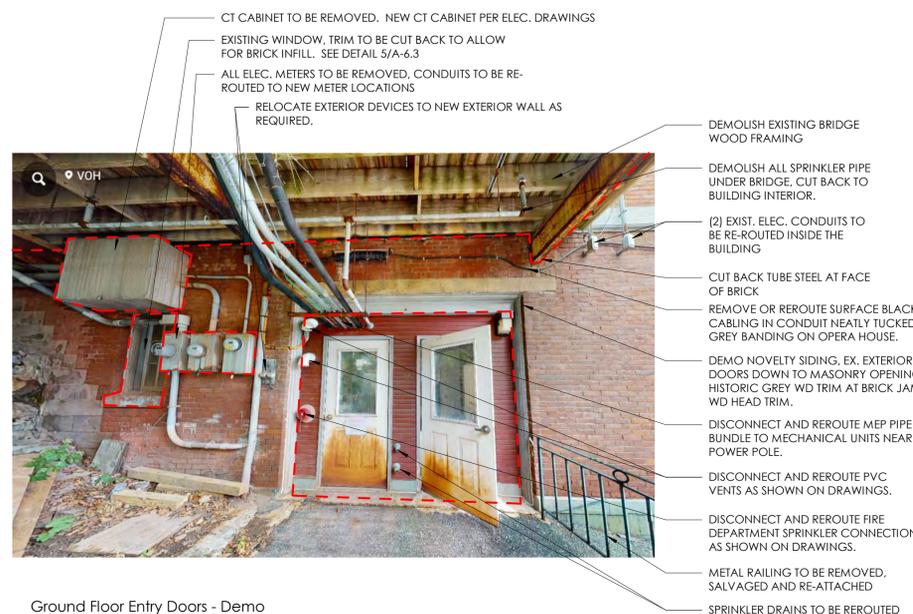
1 HR RATED  
UL DESIGN U305



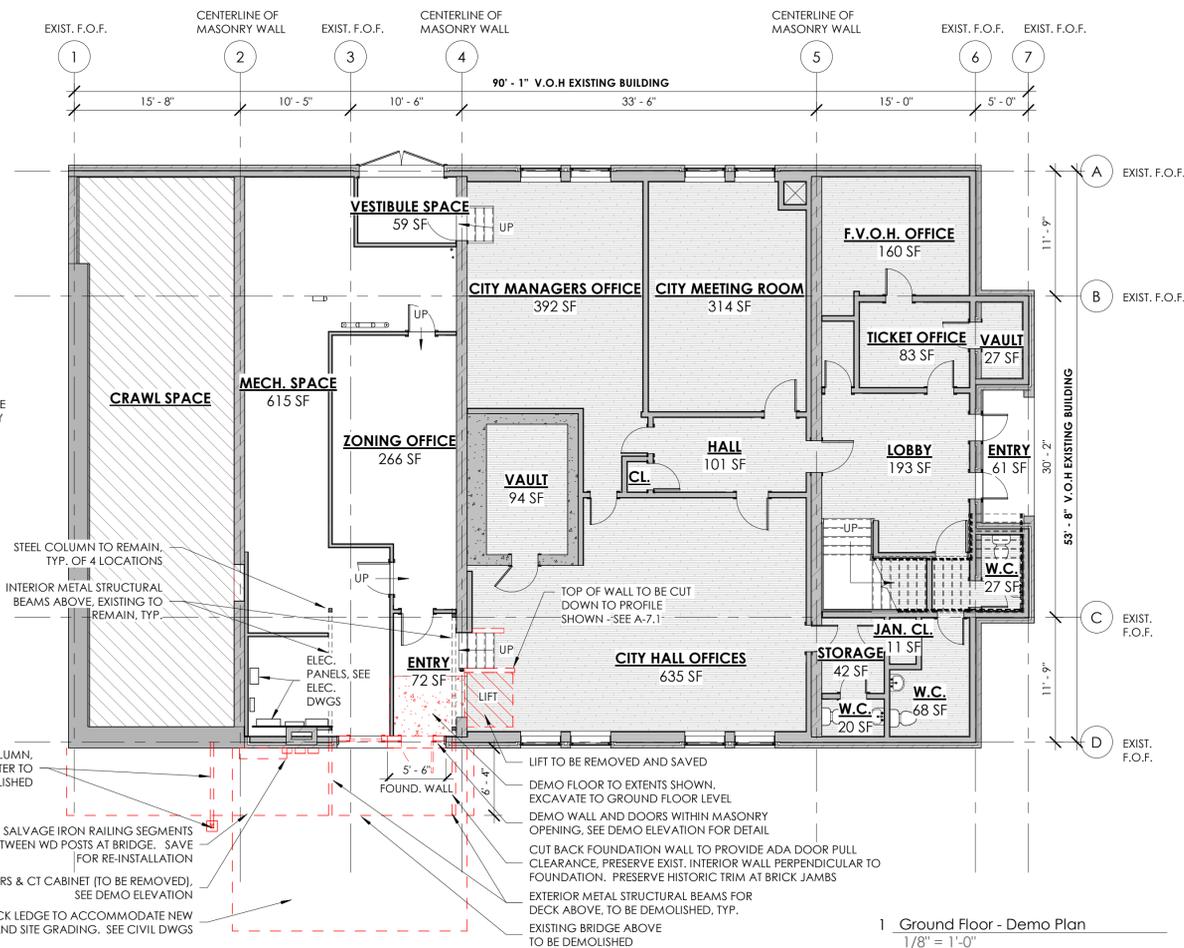


2 Dressing Room Level - Demo Plan  
1/8" = 1'-0"

3 Auditorium Level - Demo Plan  
1/8" = 1'-0"



Ground Floor Entry Doors - Demo  
Elevation  
1/4" = 1'-0"



1 Ground Floor - Demo Plan  
1/8" = 1'-0"

**DEMO NOTES:**  
1. Verify all dimensions and conditions in field prior to demolition, notify architect if major discrepancies occur.

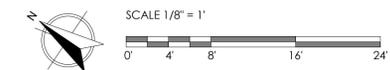
**GENERAL NOTES:**  
1. All dimensions to face of finish U.O.N.  
2. Verify all dimensions in field prior to construction  
3. Reference structural drawings for foundation and framing specifications  
4. See sheet A-6.1 for exterior wall assembly types.

**DEMO PLAN LEGEND**

TO BE DEMOLISHED

**DRAWING LEGEND**

EXISTING WALL / EXIST. CONDITIONS  
 EXISTING CONCRETE WALL  
 EXISTING MASONRY WALL  
 NEW WALL / NEW CONSTRUCTION





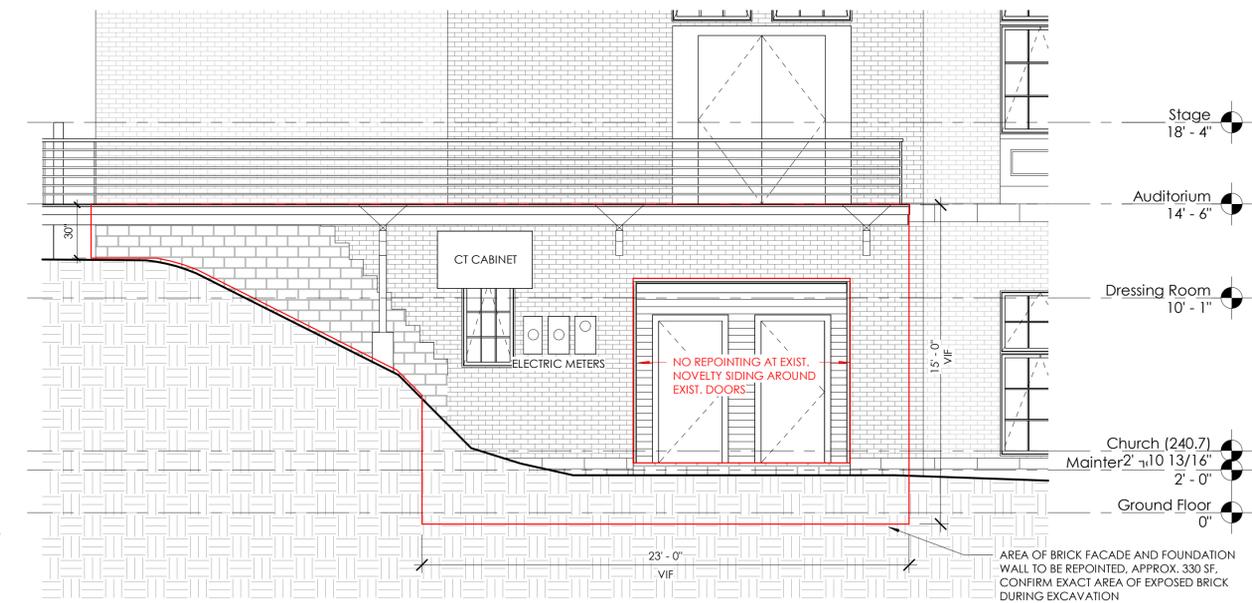
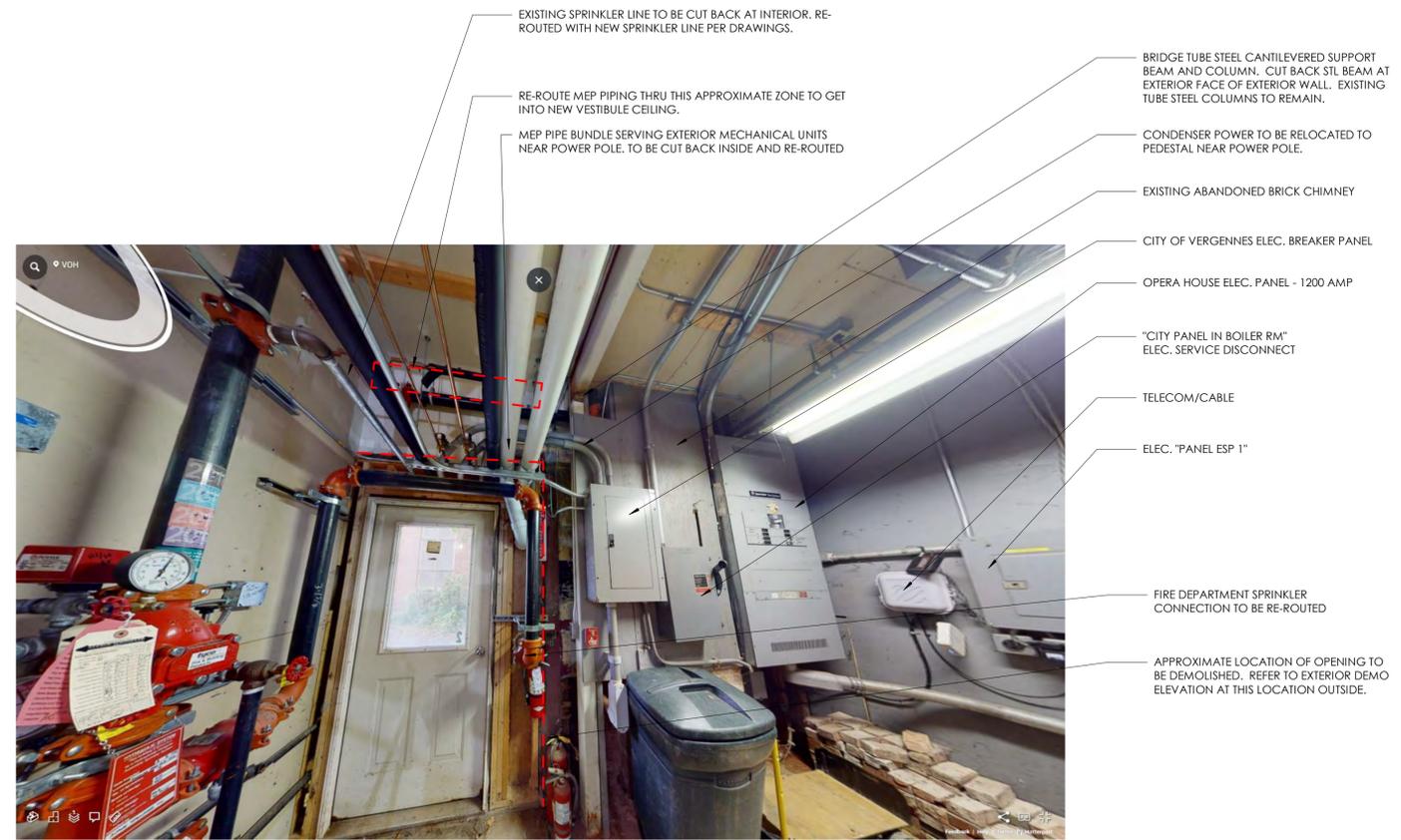
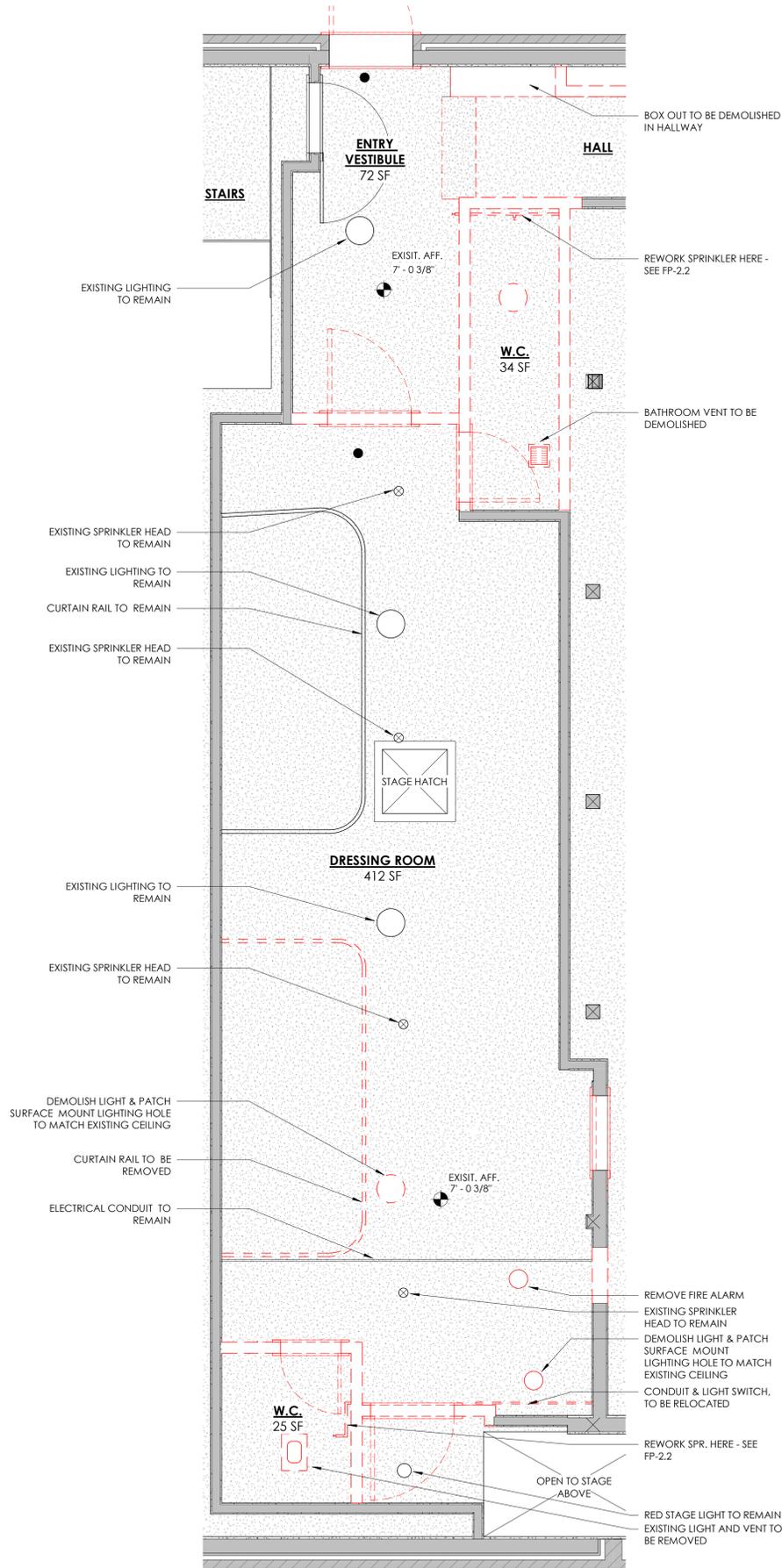
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**F.V.O.H. ALL ACCESS**

120 Main St, Vergennes, VT 05491

**DEMOLITION PLANS & ELEVATIONS**

**A-2.0.2**



**DEMO NOTES:**  
1. Verify all dimensions and conditions in field prior to demolition, notify architect if major discrepancies occur.

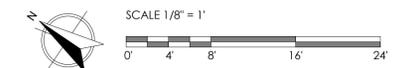
**GENERAL NOTES:**  
1. All dimensions to face of finish U.O.N.  
2. Verify all dimensions in field prior to construction  
3. Reference structural drawings for foundation and framing specifications  
4. See sheet A-6.1 for exterior wall assembly types.

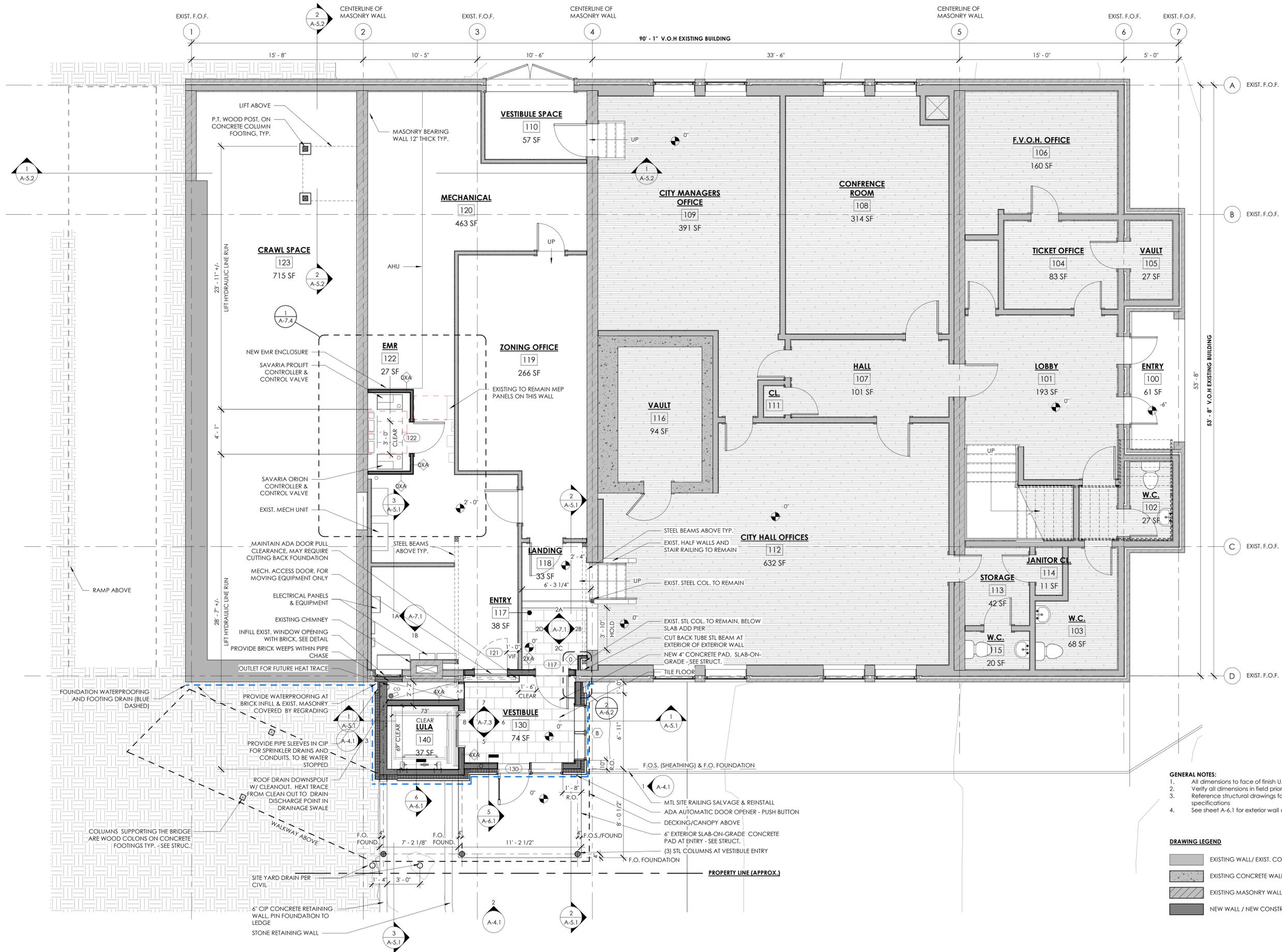
**DEMO PLAN LEGEND**

TO BE DEMOLISHED

**DRAWING LEGEND**

EXISTING WALL/ EXIST. CONDITIONS  
 EXISTING CONCRETE WALL  
 EXISTING MASONRY WALL  
 NEW WALL / NEW CONSTRUCTION

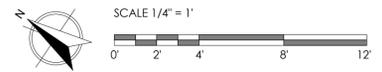




- GENERAL NOTES:**
- All dimensions to face of finish U.O.N.
  - Verify all dimensions in field prior to construction.
  - Reference structural drawings for foundation and framing specifications.
  - See sheet A-6.1 for exterior wall assembly types.

**DRAWING LEGEND**

[Pattern]	EXISTING WALL/ EXIST. CONDITIONS
[Pattern]	EXISTING CONCRETE WALL
[Pattern]	EXISTING MASONRY WALL
[Pattern]	NEW WALL / NEW CONSTRUCTION



1 Proposed Ground Floor Plan  
1/4" = 1'-0"

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Drawn: GP  
Checked: AN

REVISIONS:

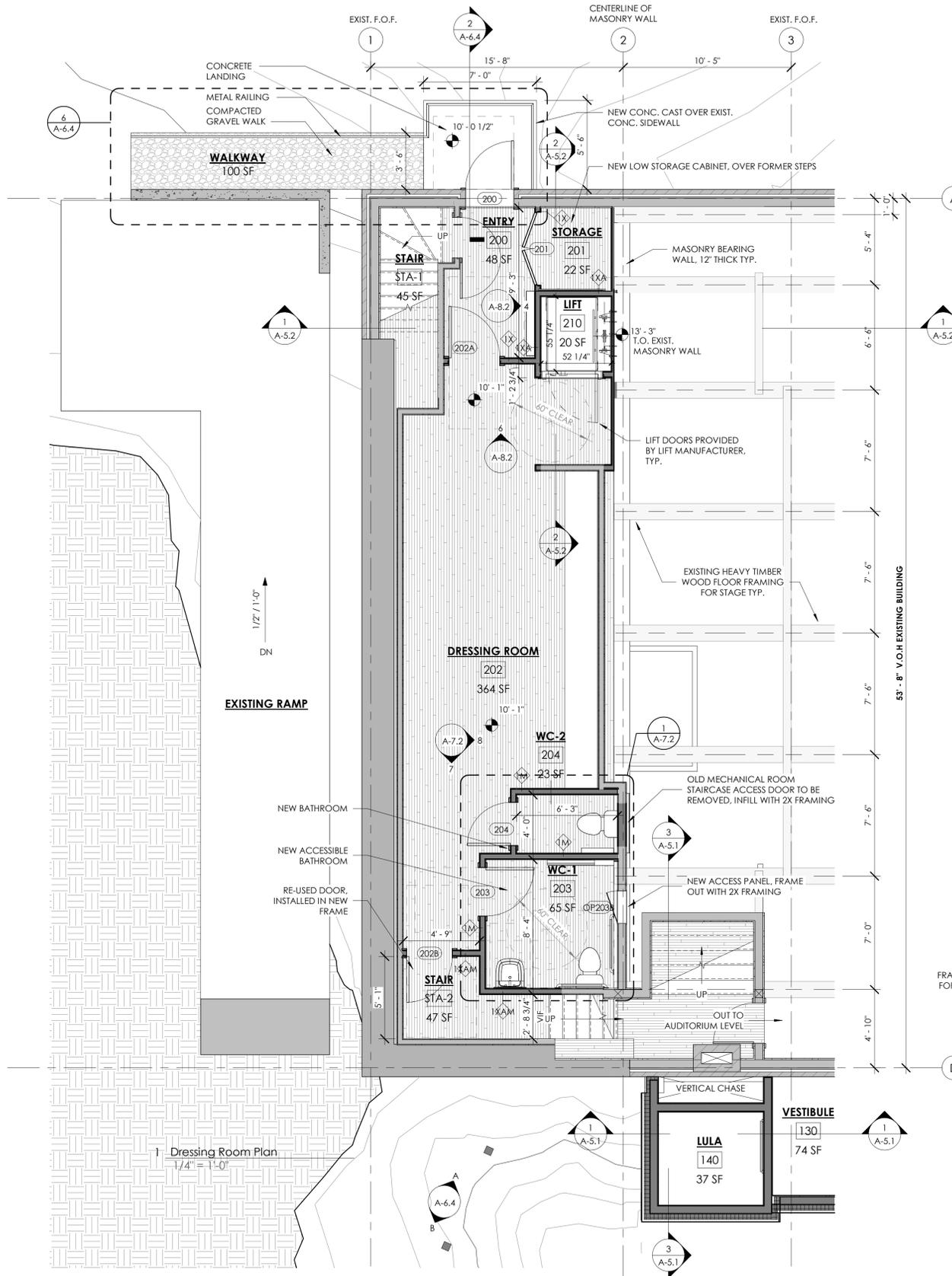


**ISSUED FOR CONSTRUCTION**

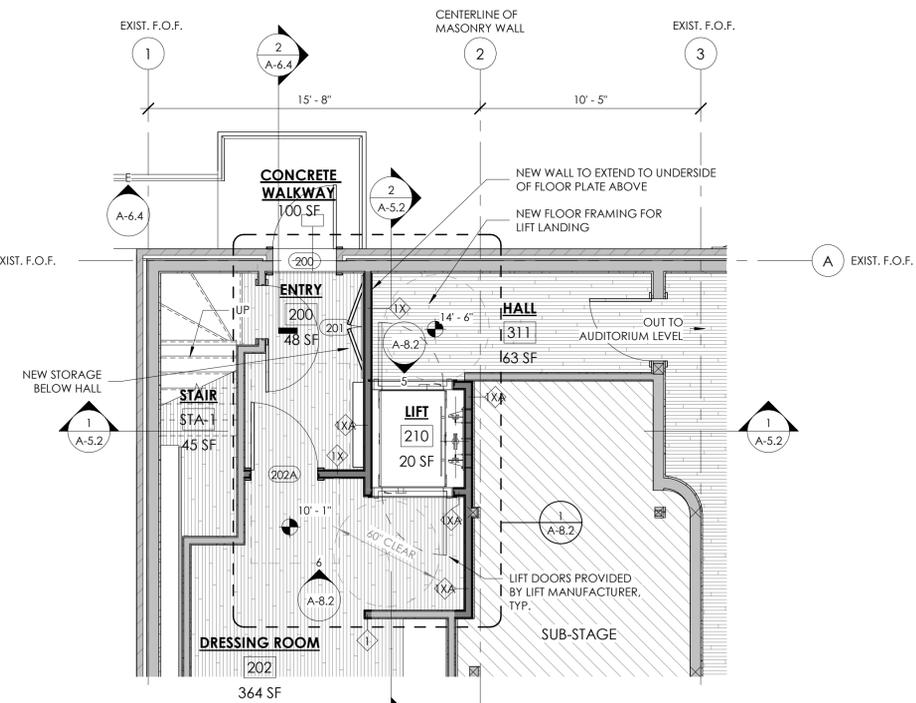
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GROUND FLOOR PLAN & CONTEXT

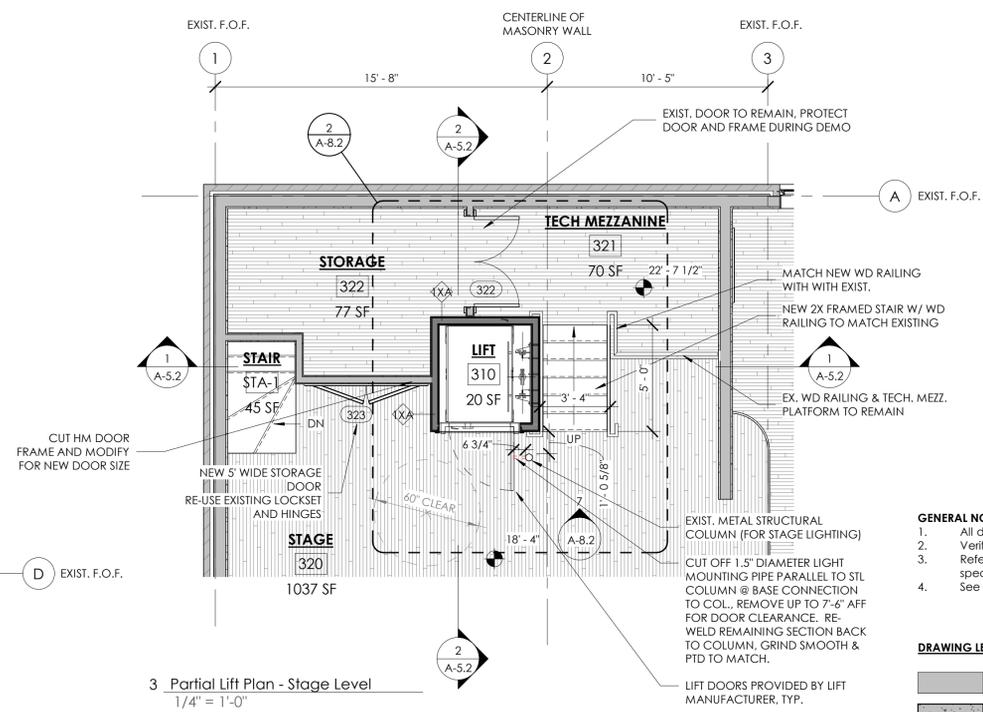
A-2.1



1 Dressing Room Plan  
1/4" = 1'-0"



2 Partial Lift Plan - Auditorium Level  
1/4" = 1'-0"

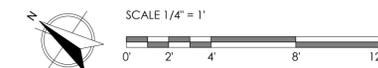


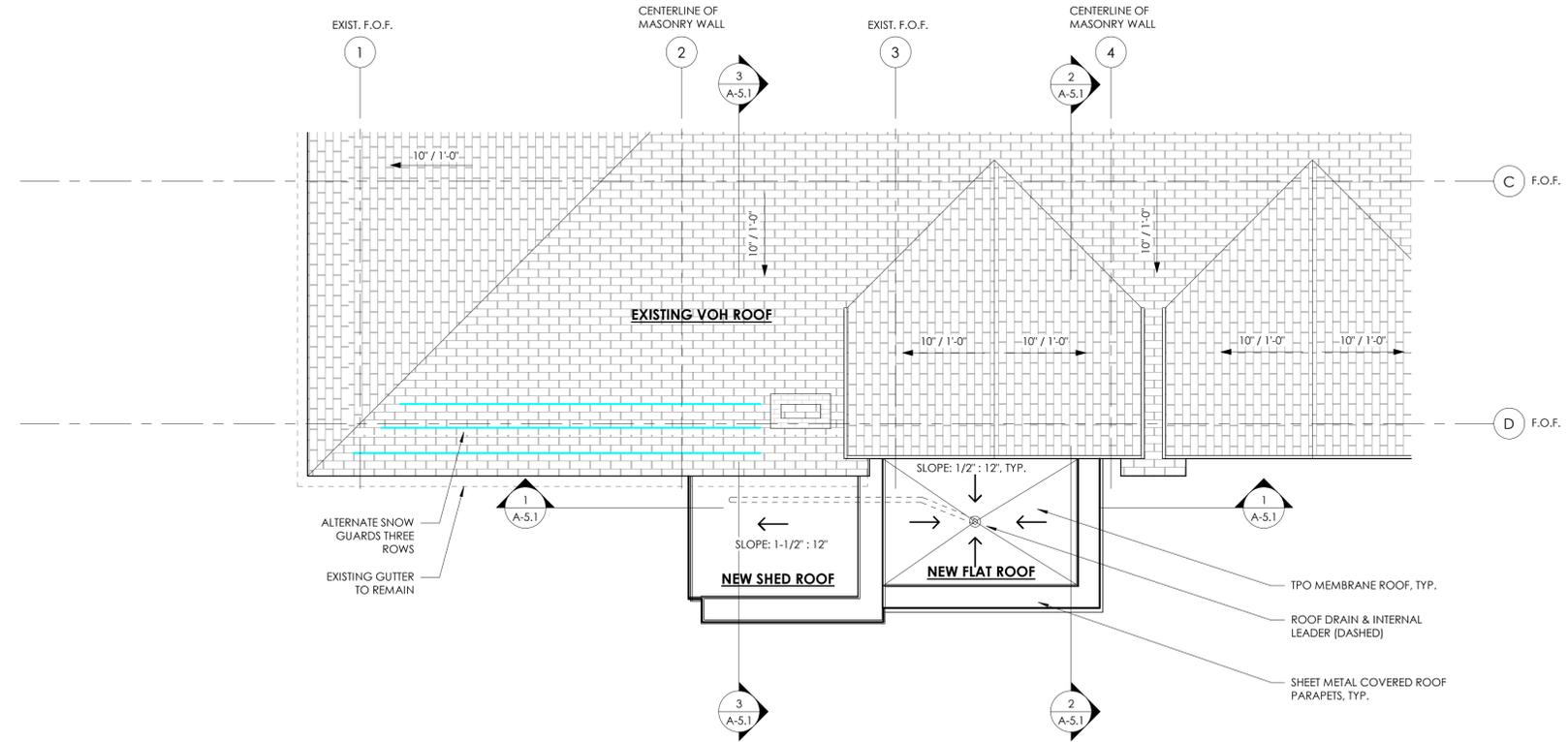
3 Partial Lift Plan - Stage Level  
1/4" = 1'-0"

- GENERAL NOTES:**
- All dimensions to face of finish U.O.N.
  - Verify all dimensions in field prior to construction
  - Reference structural drawings for foundation and framing specifications
  - See sheet A-6.1 for exterior wall assembly types.

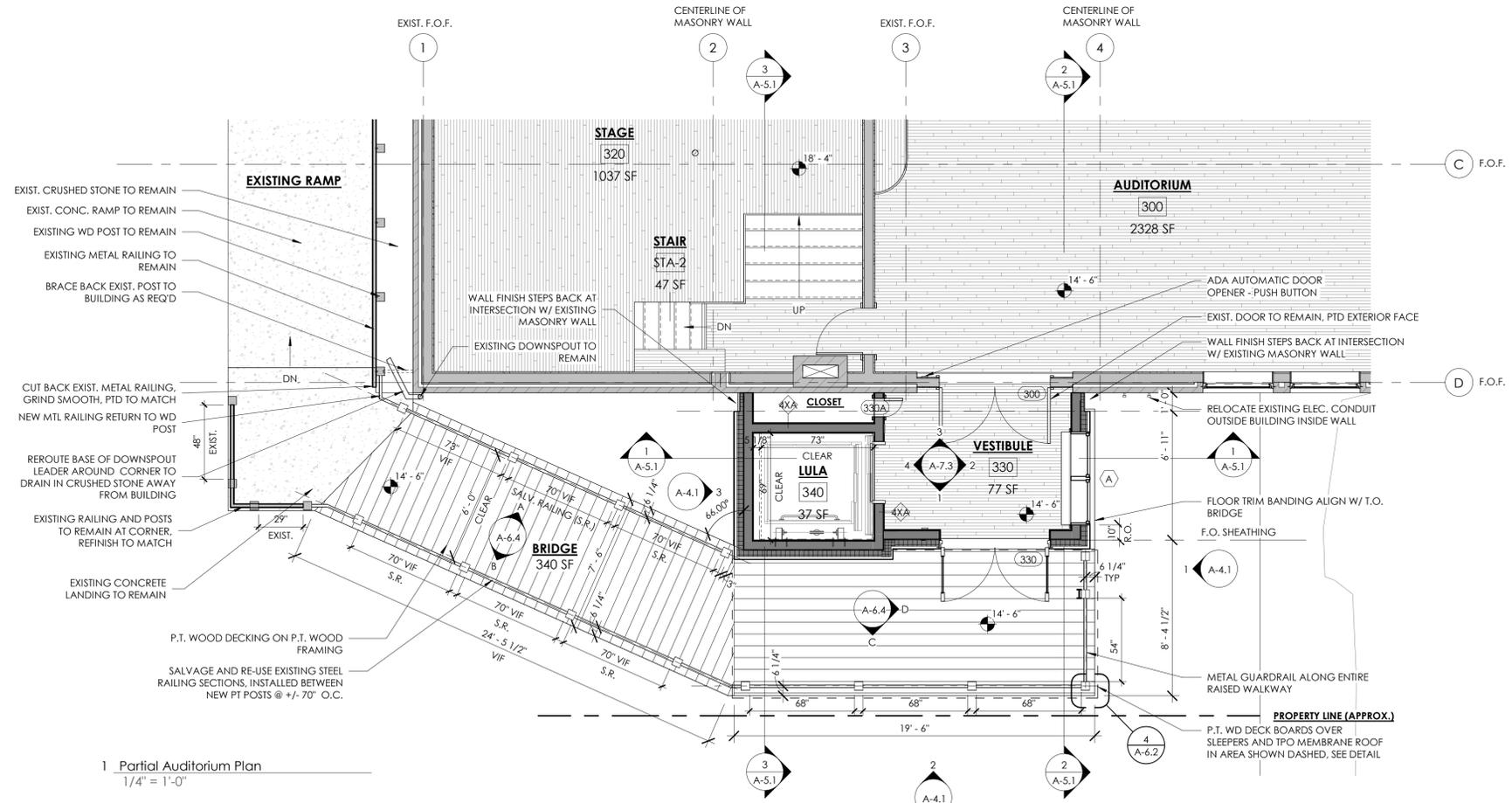
**DRAWING LEGEND**

- EXISTING WALL/ EXIST. CONDITIONS
- EXISTING CONCRETE WALL
- EXISTING MASONRY WALL
- NEW WALL / NEW CONSTRUCTION





2 Partial Roof Plan  
1/4" = 1'-0"

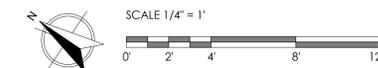


1 Partial Auditorium Plan  
1/4" = 1'-0"

- GENERAL NOTES:**
- All dimensions to face of finish U.O.N.
  - Verify all dimensions in field prior to construction
  - Reference structural drawings for foundation and framing specifications
  - See sheet A-6.1 for exterior wall assembly types.

**DRAWING LEGEND**

- EXISTING WALL/ EXIST. CONDITIONS
- EXISTING CONCRETE WALL
- EXISTING MASONRY WALL
- NEW WALL / NEW CONSTRUCTION



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Checked: AN

REVISIONS:



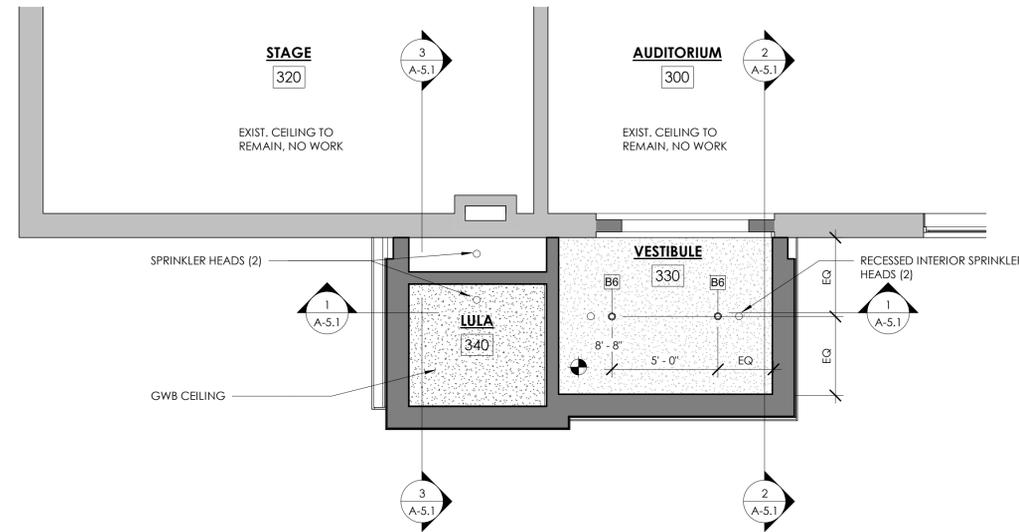
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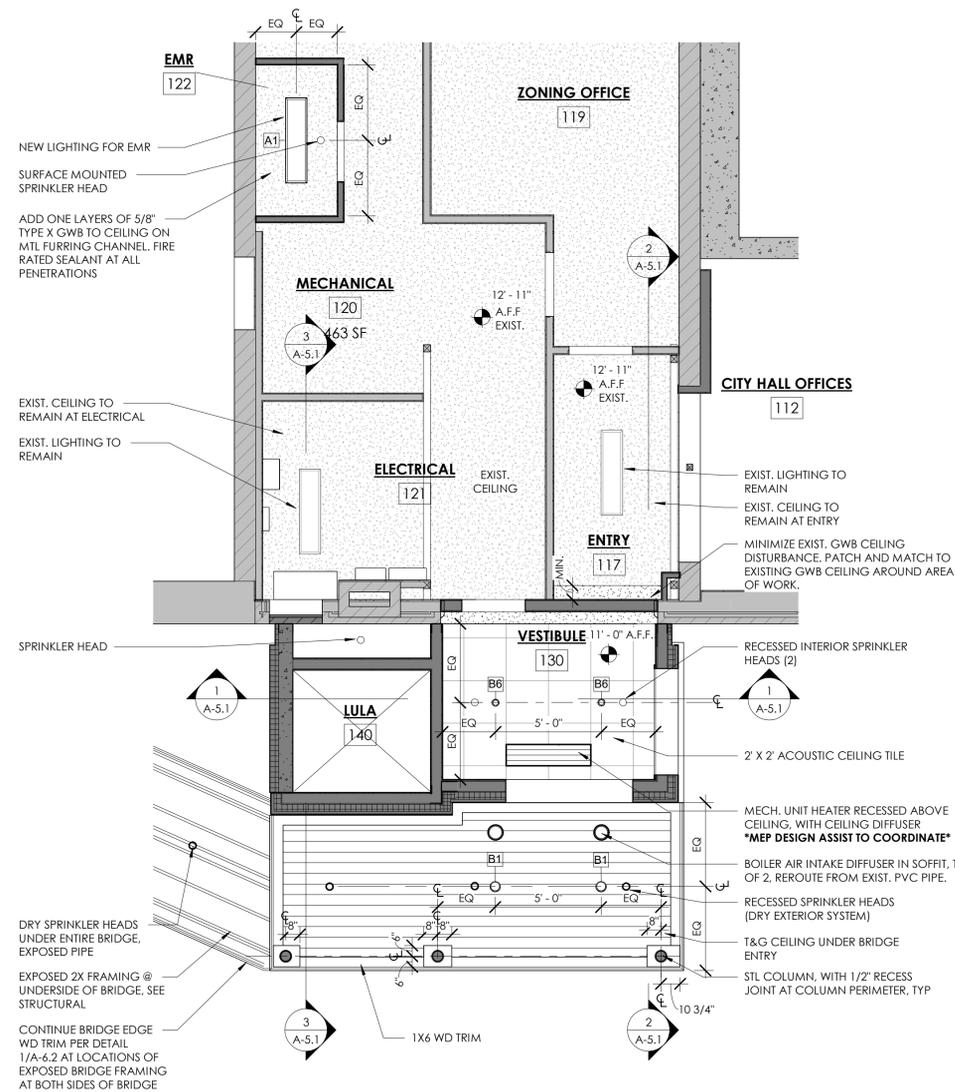
**AUDITORIUM LEVEL & ROOF PLAN**

**A-2.3**



2 Auditorium RCP @ LULA  
1/4" = 1'-0"

LIGHTING SCHEDULE							
TYPE	COUNT	LEVEL	ROOM	SIZE	MOUNT TYPE	LOCATION	COMMENTS
C1	2	AUDITORIUM LEVEL	BRIDGE	6" X 8"	SURFACE MOUNT	EXTERIOR	6" X 8" DOWNLIGHT
B6	2	AUDITORIUM LEVEL	VESTIBULE 330	4" ROUND	RECESSED	INTERIOR	4" ROUND DOWNLIGHT
B6	2	DRESSING ROOM	WC-1 203	4" ROUND	RECESSED	INTERIOR	4" ROUND DOWNLIGHT
B6	1	DRESSING ROOM	WC-2 204	4" ROUND	RECESSED	INTERIOR	4" ROUND DOWNLIGHT
B1	2	GROUND FLOOR	BRIDGE ENTRY	6" ROUND	RECESSED	EXTERIOR	6" ROUND DOWNLIGHT
A1	1	GROUND FLOOR	EMR 122	1' X 4'	SURFACE MOUNT	INTERIOR	1x4 FLAT PANEL
B6	2	GROUND FLOOR	VESTIBULE 130	4" ROUND	RECESSED	INTERIOR	4" ROUND DOWNLIGHT

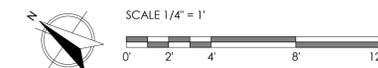


1 Ground Floor RCP @ LULA  
1/4" = 1'-0"

- GENERAL NOTES:**
- All dimensions to face of finish U.O.N.
  - Verify all dimensions in field prior to construction
  - Reference structural drawings for foundation and framing specifications
  - See sheet A-6.1 for exterior wall assembly types.

**DRAWING LEGEND**

- EXISTING WALL/ EXIST. CONDITIONS
- EXISTING CONCRETE WALL
- EXISTING MASONRY WALL
- NEW WALL / NEW CONSTRUCTION



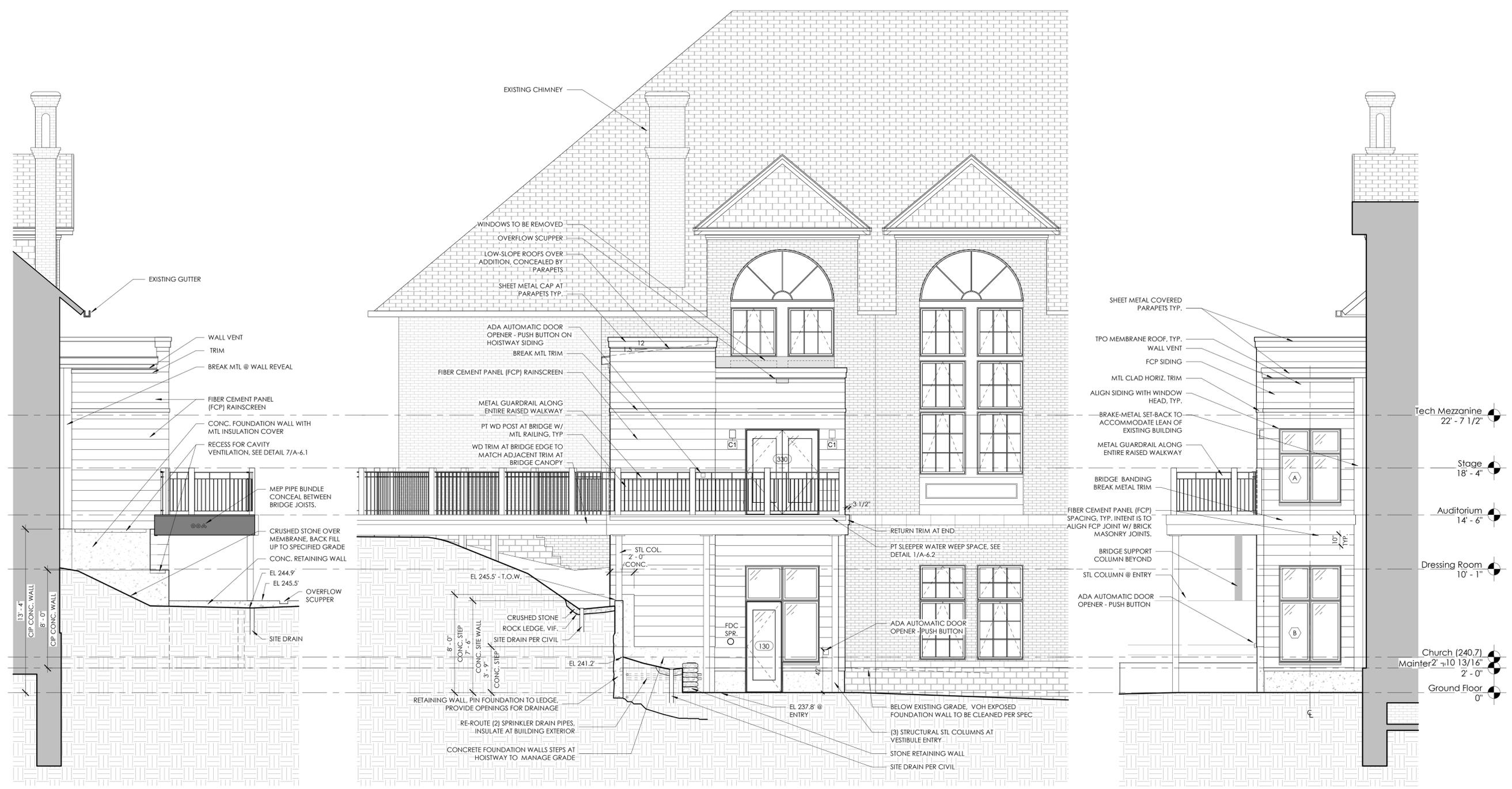


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VT 05491

**LULA TOWER ELEVATIONS**

**A-4.1**

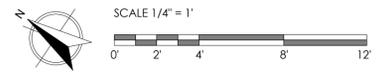


3 Elevator North Elevation  
1/4" = 1'-0"

2 Elevator West Elevation  
1/4" = 1'-0"

1 Elevator South Elevation  
1/4" = 1'-0"

- ELEVATION NOTES:**
- Elevations orientations correspond to true north
  - 0' - 0" = XXX FLOOR SUBFLOOR
  - See Civil Drawings for more information regarding site elevations and benchmarks.



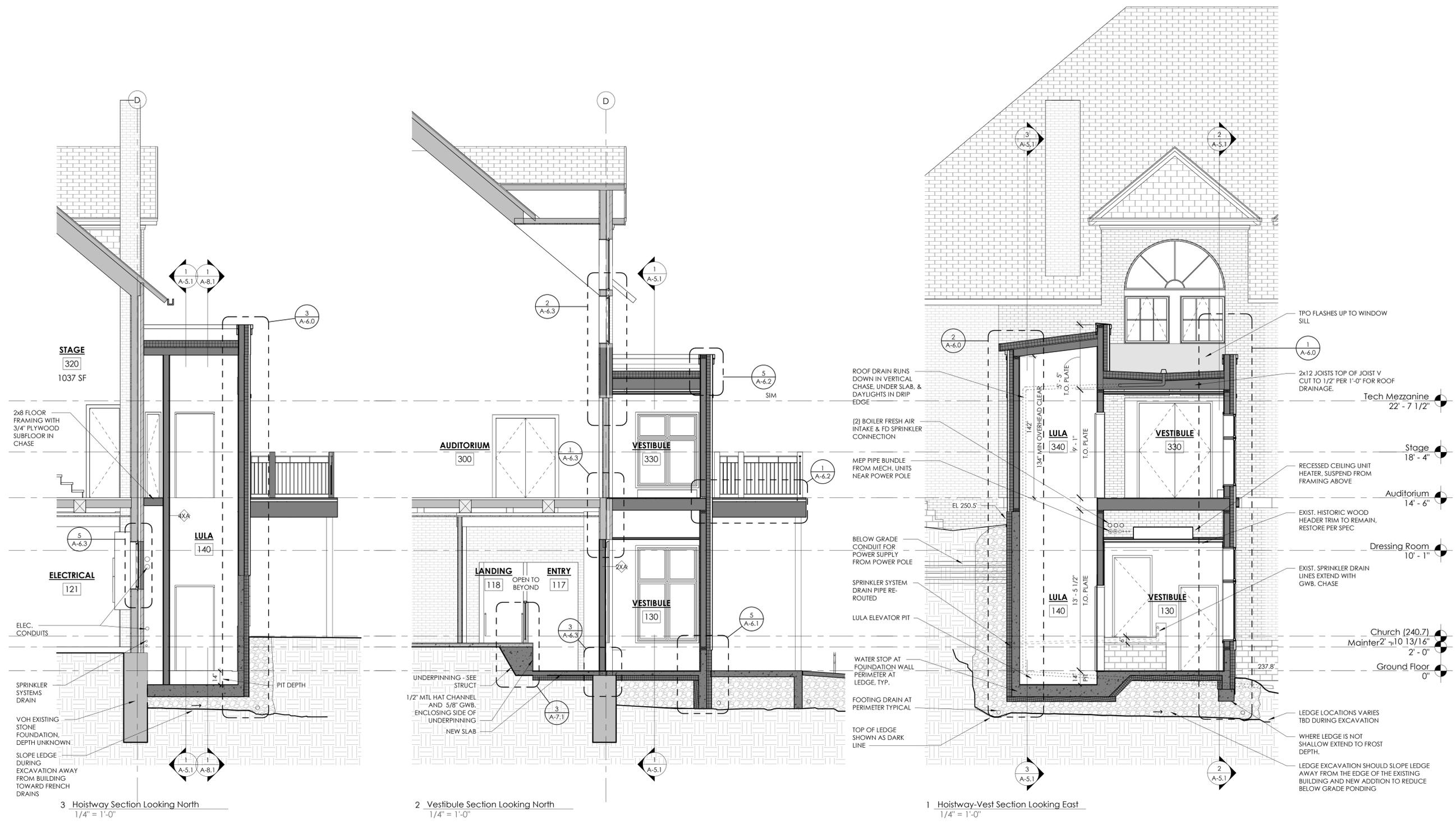


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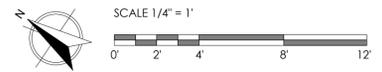
**LULA SECTIONS**

**A-5.1**



**DRAWING LEGEND**

	EXISTING WALL / EXIST. CONDITIONS
	EXISTING CONCRETE WALL
	EXISTING MASONRY WALL
	NEW WALL / NEW CONSTRUCTION



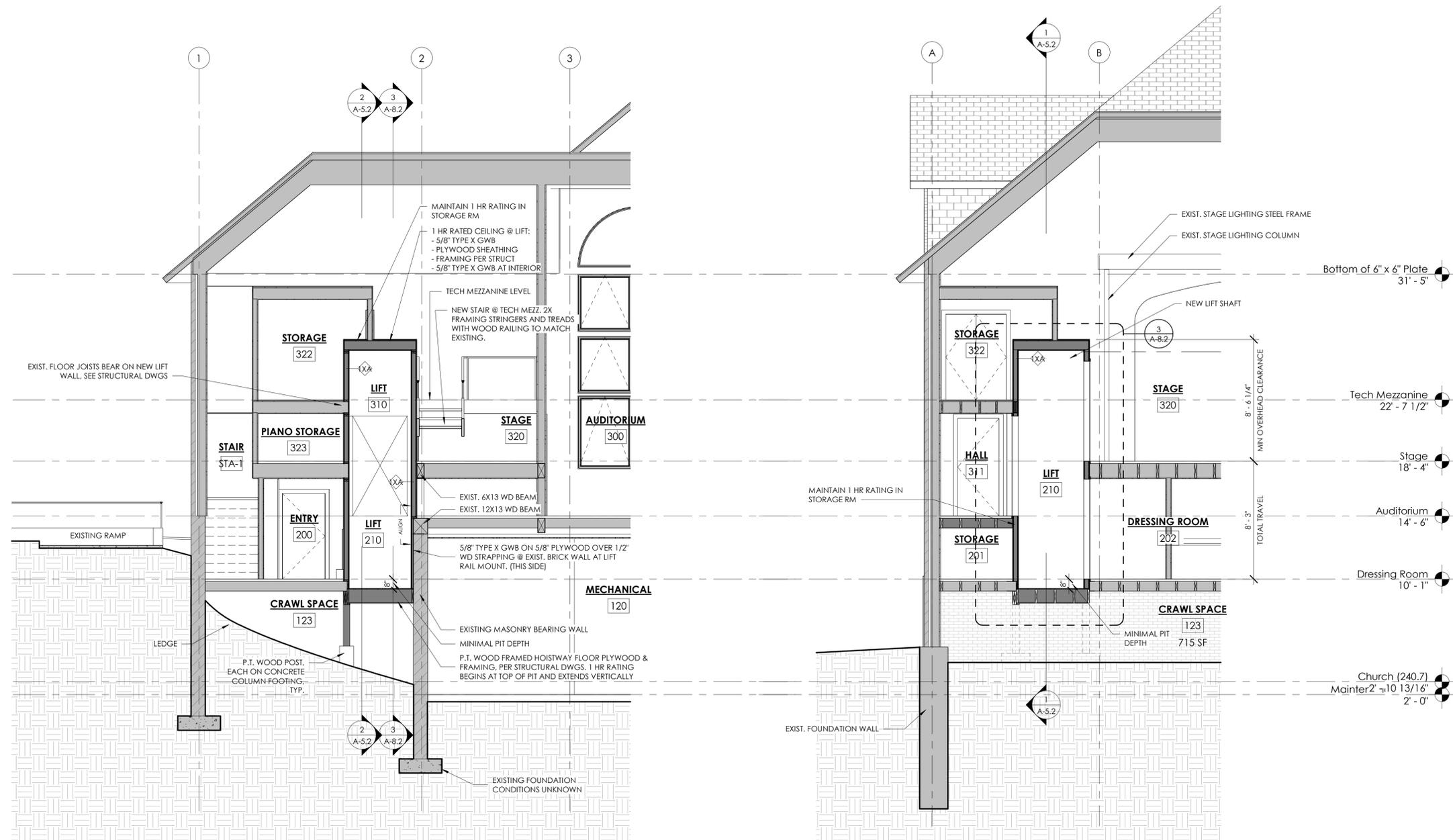


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LIFT SECTIONS

A-5.2

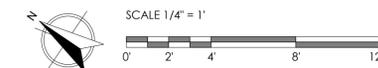


1 N-S Section at Interior Lift Looking East  
1/4" = 1'-0"

2 E-W Section at Interior Lift Looking South  
1/4" = 1'-0"

**DRAWING LEGEND**

- EXISTING WALL/ EXIST. CONDITIONS
- EXISTING CONCRETE WALL
- EXISTING MASONRY WALL
- NEW WALL / NEW CONSTRUCTION



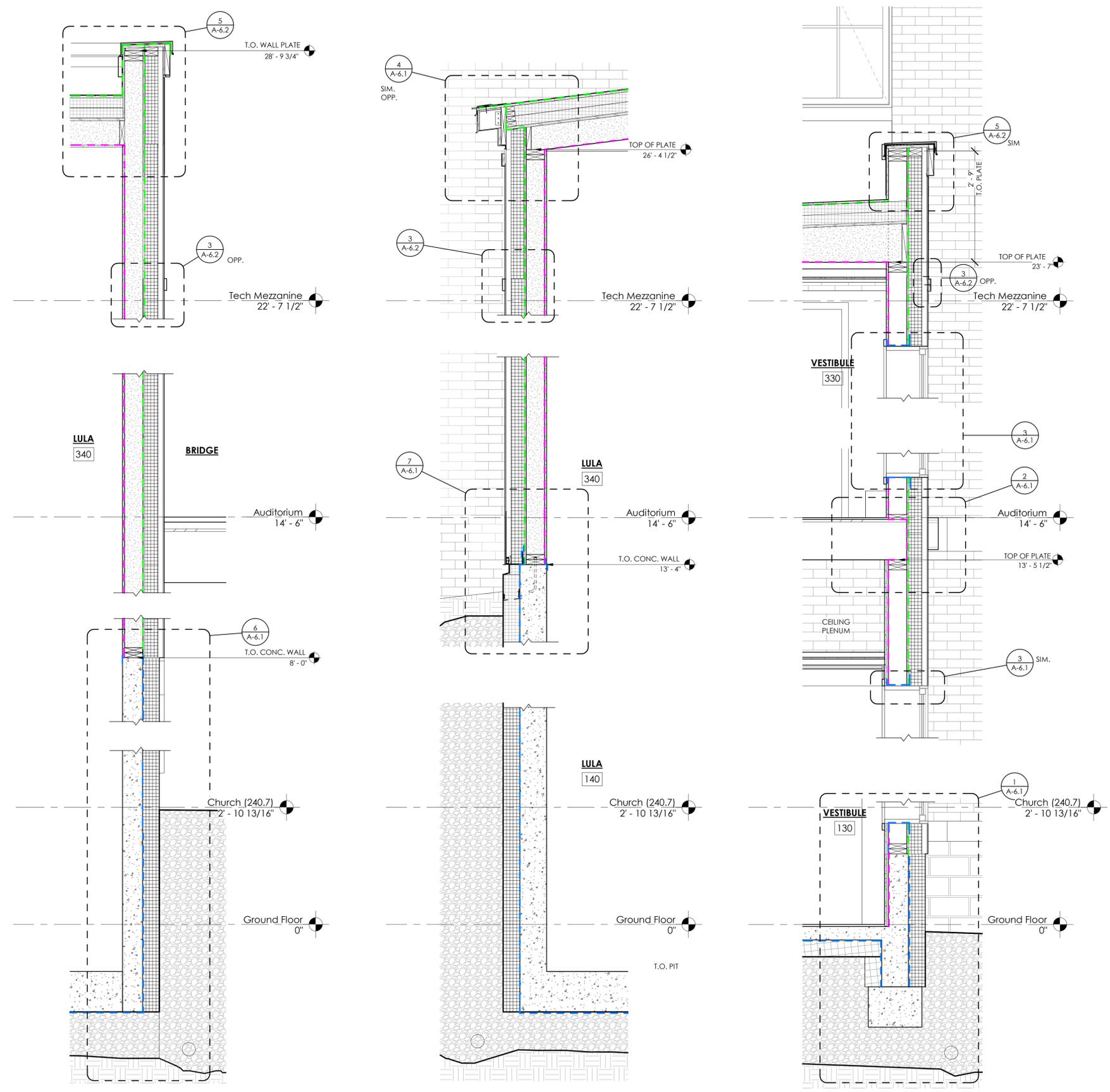


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**WALL SECTIONS**

**A-6.0**



**SECTION DETAILS AND MATERIALS LEGEND**

	WEATHER RESISTIVE BARRIER (WRB)/ DRAINAGE PLANE
	VAPOR CONTROL LAYER (VCL)
	AIR CONTROL LAYER (ACL)
	UNDER SLAB VAPOR CONTROL LAYER
	TAPE OR SELF ADHERING WATERPROOFING MEMBRANE (SAWM) AT EDGES/ JOINTS/ INTERSECTIONS; CONC. FOUNDATION WALL WATERPROOFING BELOW GRADE AS SPECIFIED
	CLOSED CELL SPRAY FOAM INSULATION
	STONE FILL
	RIGID FOAM INSULATION
	EARTH
	FILL INSULATION
	CONCRETE
	RIGID MINERAL WOOL INSULATION
	WOOD FINISH GRADE
	BATT INSULATION
	DIMENSIONAL LUMBER
	PLYWOOD
	BLOCKING

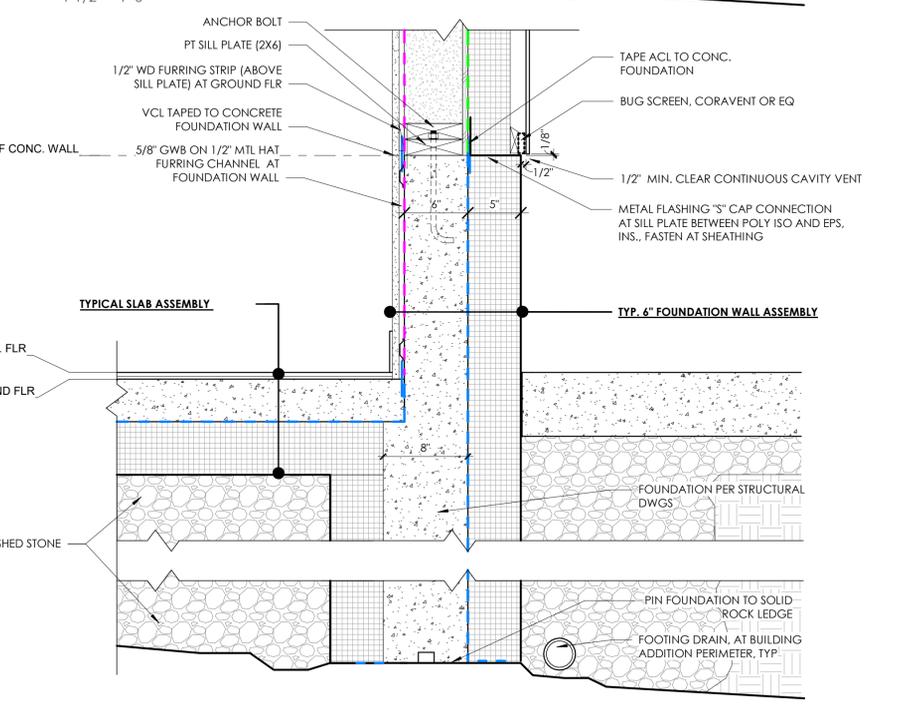
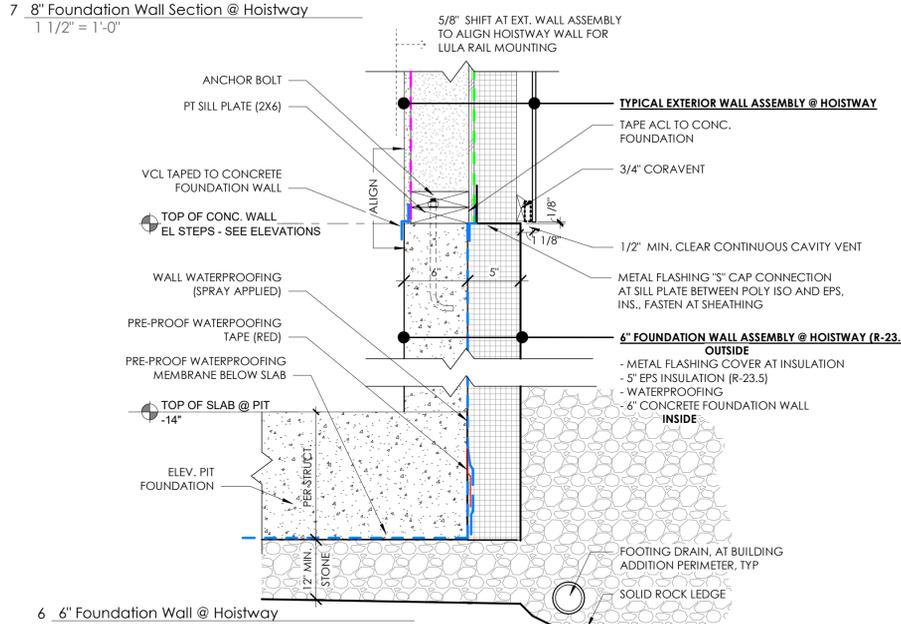
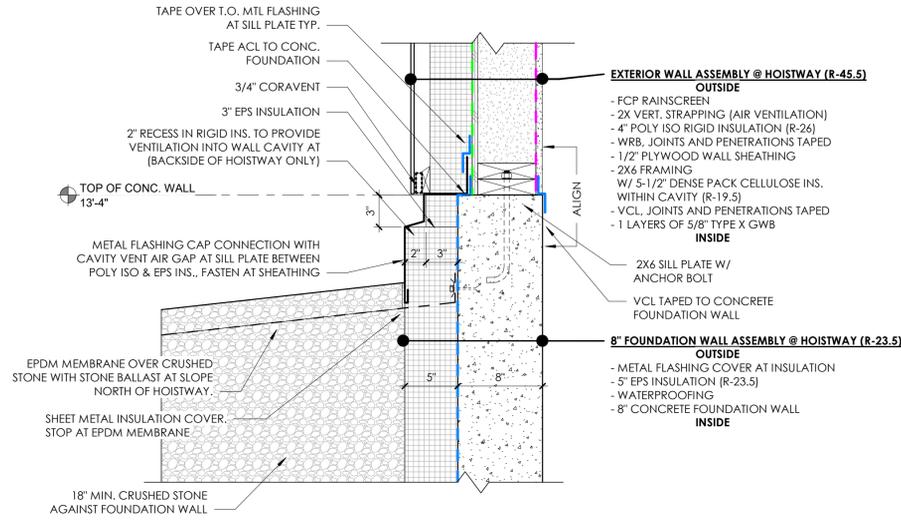
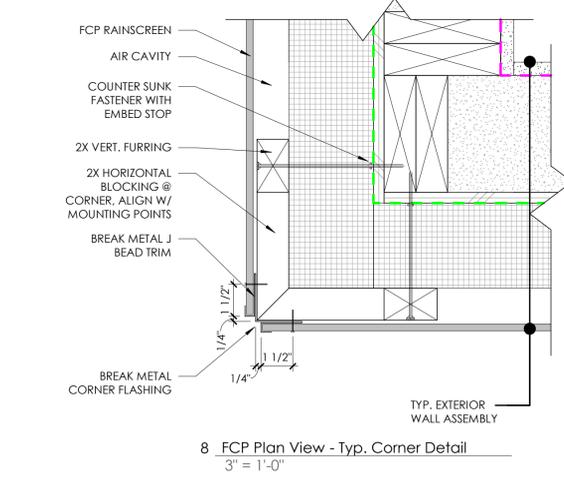
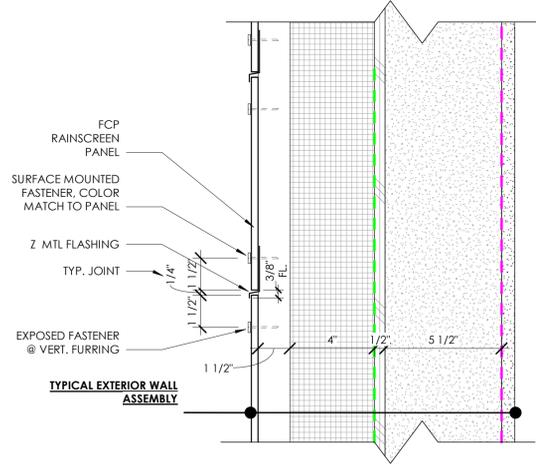
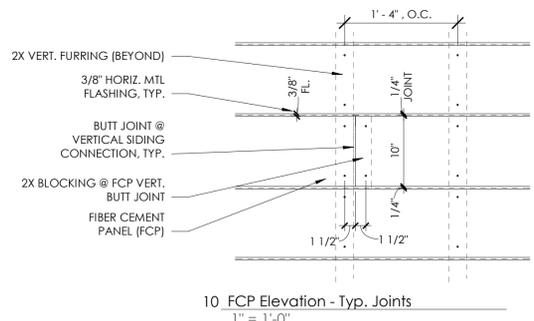
3 Wall Section at Hoistway West Wall  
3/4" = 1'-0"

2 Wall Section at Hoistway North Wall  
3/4" = 1'-0"

1 Wall Section at Vestibule South Wall  
3/4" = 1'-0"

**DRAWING LEGEND**

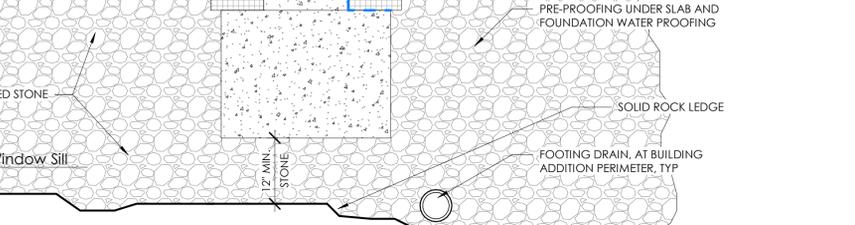
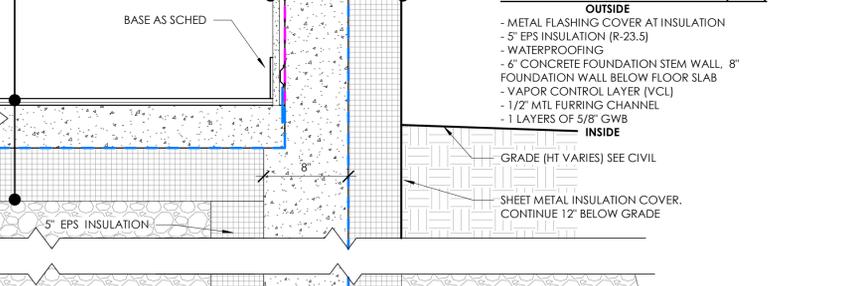
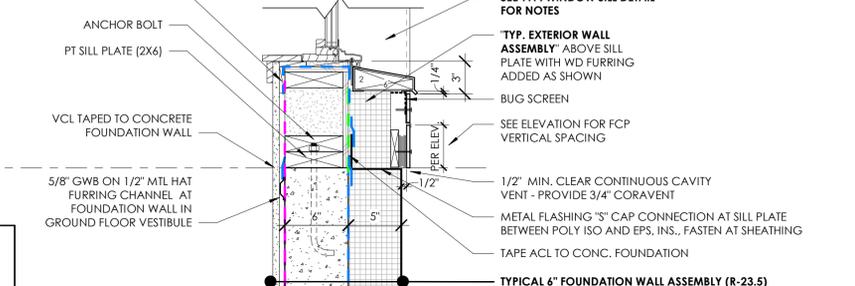
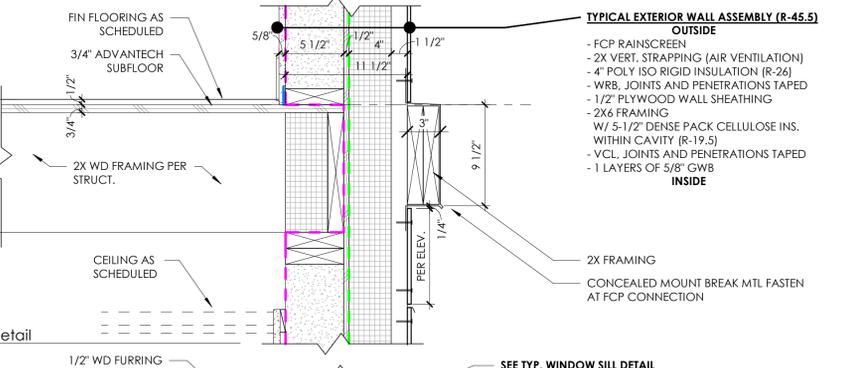
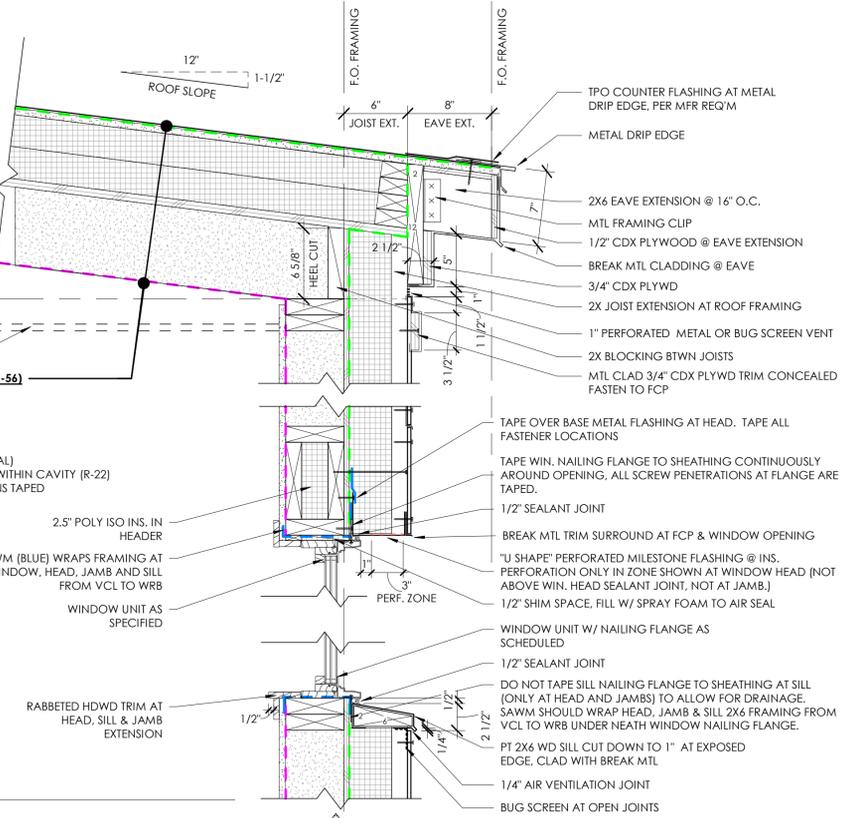
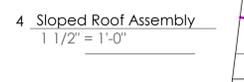
	EXISTING WALL/ EXIST. CONDITIONS
	EXISTING CONCRETE WALL
	EXISTING MASONRY WALL
	NEW WALL/ NEW CONSTRUCTION



**SECTION DETAILS AND MATERIALS LEGEND**

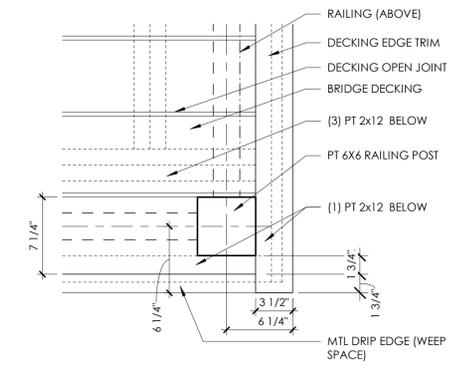
	WEATHER RESISTIVE BARRIER (WRB)/ DRAINAGE PLANE		STONE FILL
	VAPOR CONTROL LAYER (VCL)		EARTH
	AIR CONTROL LAYER (ACL)		CONCRETE
	UNDER SLAB VAPOR CONTROL LAYER		WOOD FINISH GRADE
	TAPE OR SELF-ADHERING WATERPROOFING MEMBRANE (SAWM) AT EDGES/ JOINTS/ INTERSECTIONS; CONC. FOUNDATION WALL WATERPROOFING BELOW GRADE AS SPECIFIED		DIMENSIONAL LUMBER
	CLOSED CELL SPRAY FOAM INSULATION		BLOCKING
	RIGID FOAM INSULATION		
	FILL INSULATION		
	RIGID MINERAL WOOL INSULATION		
	BATT INSULATION		
	PLYWOOD		

**SLOPED ROOF ASSEMBLY REFER TO ROOF PLAN, BUILDING SECTIONS AND WALL SECTIONS FOR LOCATION, NO LONGER ABOVE VESTIBULE 330 AT SOUTHEAST EXTERIOR WALL**

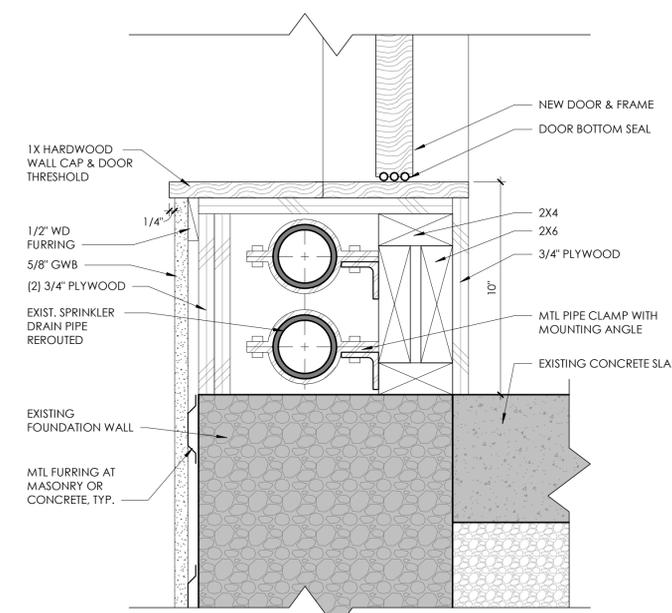


SECTION DETAILS AND MATERIALS LEGEND

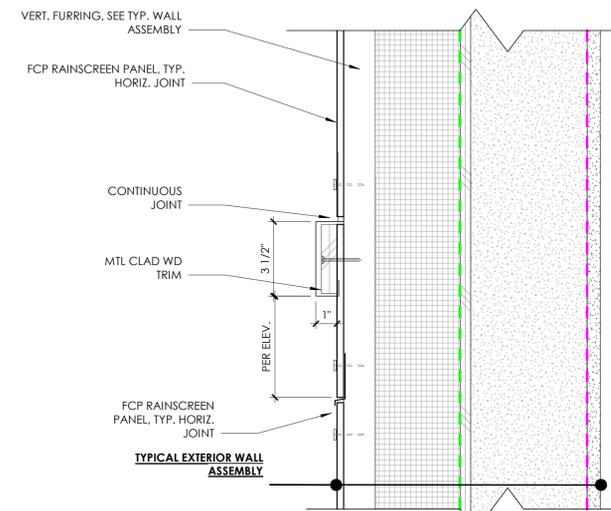
	WEATHER RESISTIVE BARRIER (WRB)/ DRAINAGE PLANE		STONE FILL
	VAPOR CONTROL LAYER (VCL)		EARTH
	AIR CONTROL LAYER (ACL)		CONCRETE
	UNDER SLAB VAPOR CONTROL LAYER		WOOD FINISH GRADE
	TAPE OR SELF ADHERING WATERPROOFING MEMBRANE (SAWM) AT EDGES/ JOINTS/ INTERSECTIONS: CONC. FOUNDATION WALL WATERPROOFING BELOW GRADE AS SPECIFIED		DIMENSIONAL LUMBER
	CLOSED CELL SPRAY FOAM INSULATION		BLOCKING
	RIGID FOAM INSULATION		
	FILL INSULATION		
	RIGID MINERAL WOOL INSULATION		
	BATT INSULATION		
	PLYWOOD		



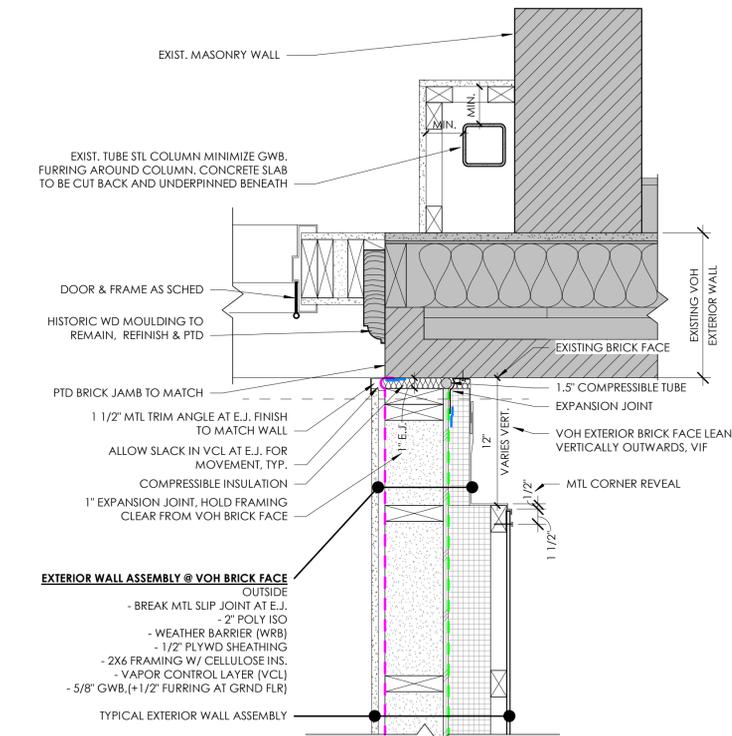
4 Plan View - Railing Post Corner  
1 1/2" = 1'-0"



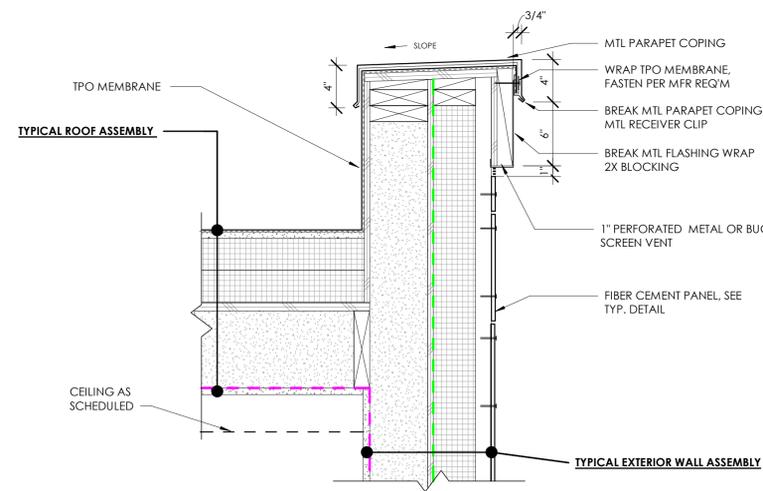
6 Pipe Mounting  
3" = 1'-0"



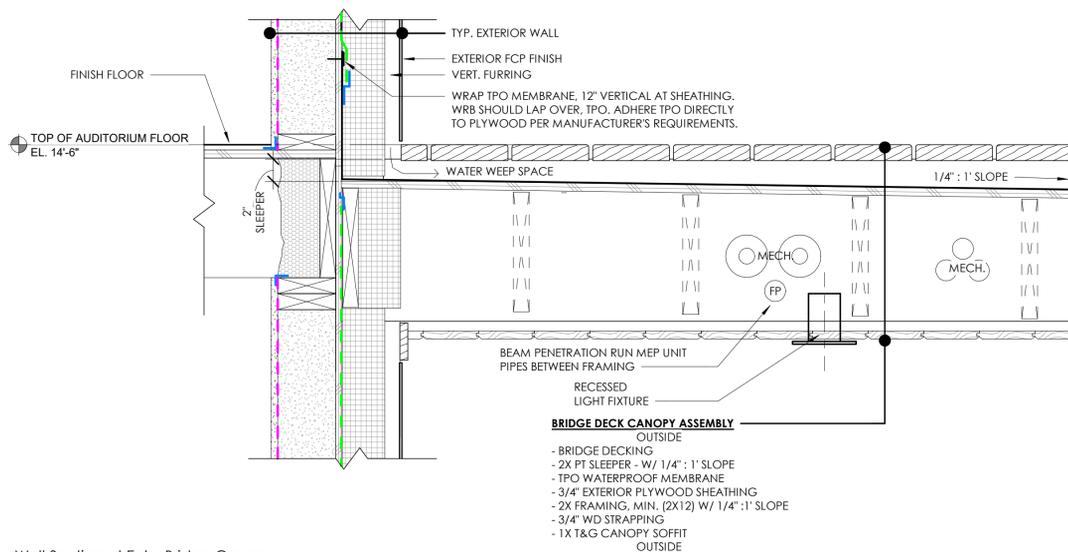
3 Horizontal Trim Detail  
3" = 1'-0"



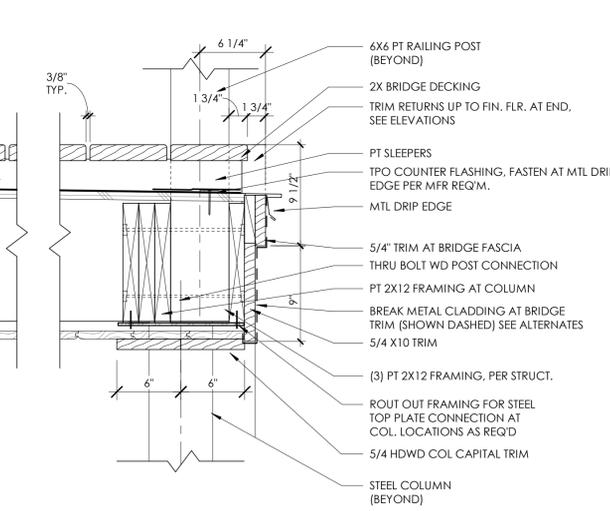
2 Plan View - VOH Expansion Joint Detail  
1 1/2" = 1'-0"

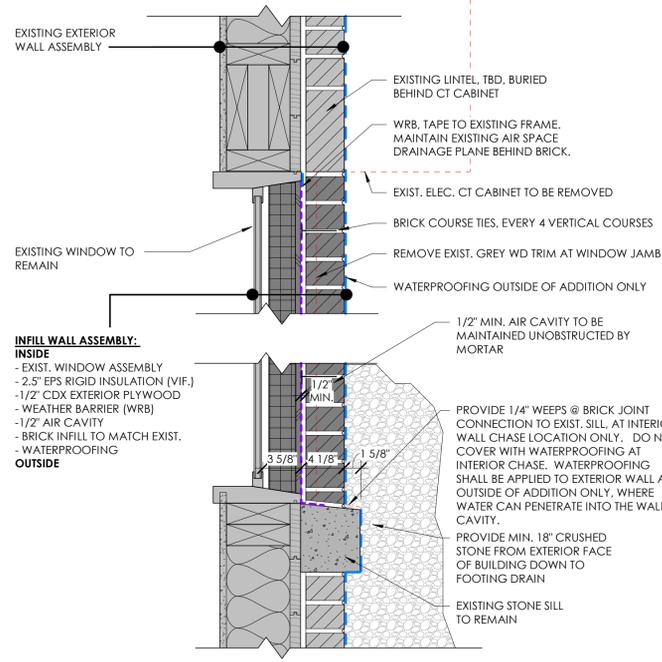


5 Parapet Detail at TPO Roof  
1 1/2" = 1'-0"

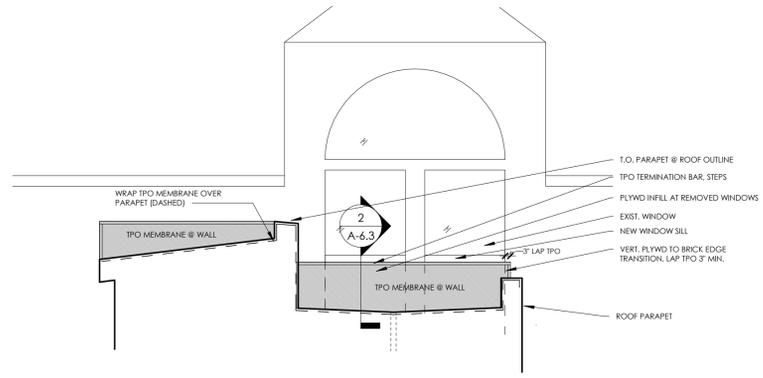


1 Wall Section at Entry Bridge Canopy  
1 1/2" = 1'-0"

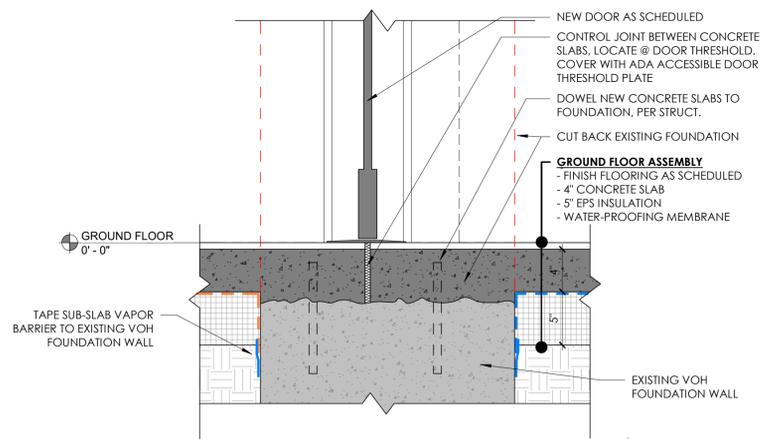




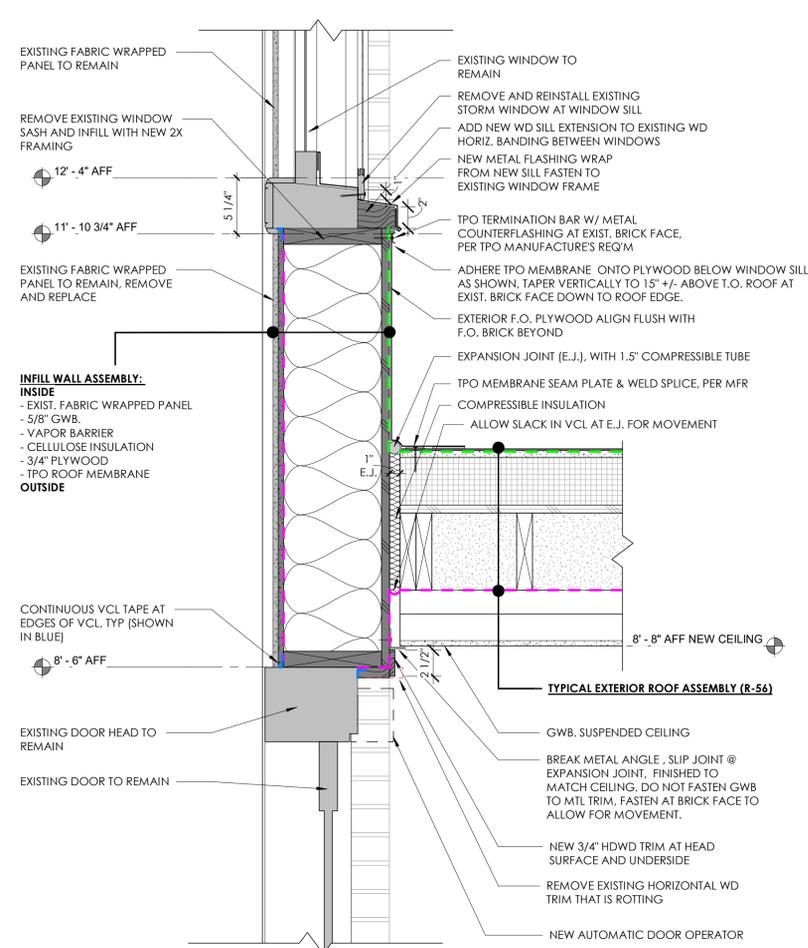
5 Existing Electrical Room Window Infill  
1 1/2" = 1'-0"



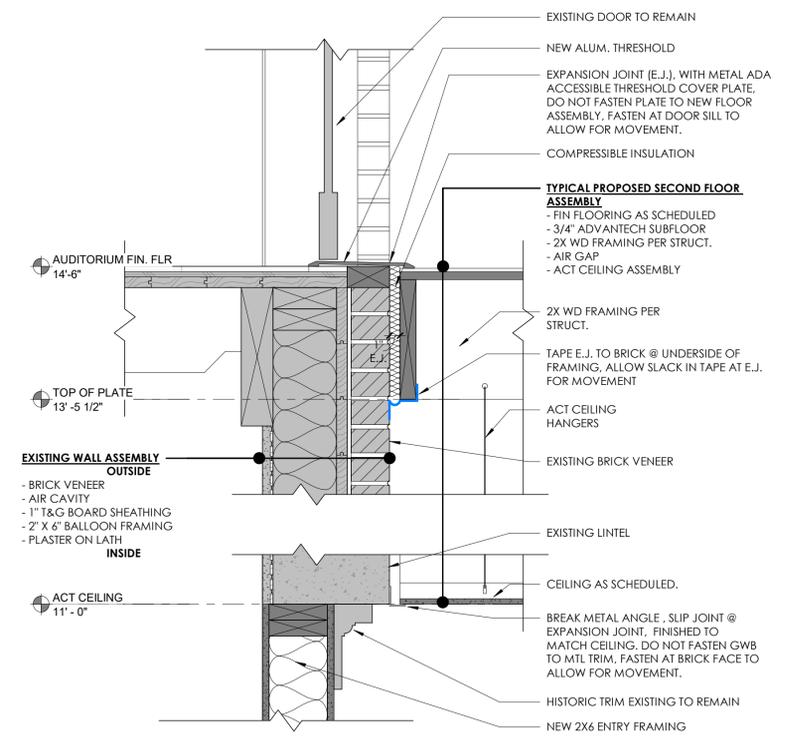
4 Elevation of TPO @ Ext. Brick Wall  
1/4" = 1'-0"



3 Existing Foundation Wall @ New Slab  
1 1/2" = 1'-0"



2 Existing Window at Roof Connection  
1 1/2" = 1'-0"



1 Auditorium Floor Detail @ Vestibule  
1 1/2" = 1'-0"

**DRAWING LEGEND**

- EXISTING WALL / EXIST. CONDITIONS
- EXISTING CONCRETE WALL
- EXISTING MASONRY WALL
- NEW WALL / NEW CONSTRUCTION

**SECTION DETAILS AND MATERIALS LEGEND**

- WEATHER RESISTIVE BARRIER (WRB)/ DRAINAGE PLANE
- VAPOR CONTROL LAYER (VCL)
- AIR CONTROL LAYER (ACL)
- UNDER SLAB VAPOR CONTROL LAYER
- TAPE OR SELF ADHERING WATERPROOFING MEMBRANE (SAWM) AT EDGES/ JOINTS/ INTERSECTIONS; CONC. FOUNDATION WALL WATERPROOFING BELOW GRADE AS SPECIFIED
- CLOSED CELL SPRAY FOAM INSULATION
- RIGID FOAM INSULATION
- FILL INSULATION
- RIGID MINERAL WOOL INSULATION
- BATT INSULATION
- PLYWOOD
- STONE FILL
- EARTH
- CONCRETE
- WOOD FINISH GRADE
- DIMENSIONAL LUMBER
- BLOCKING

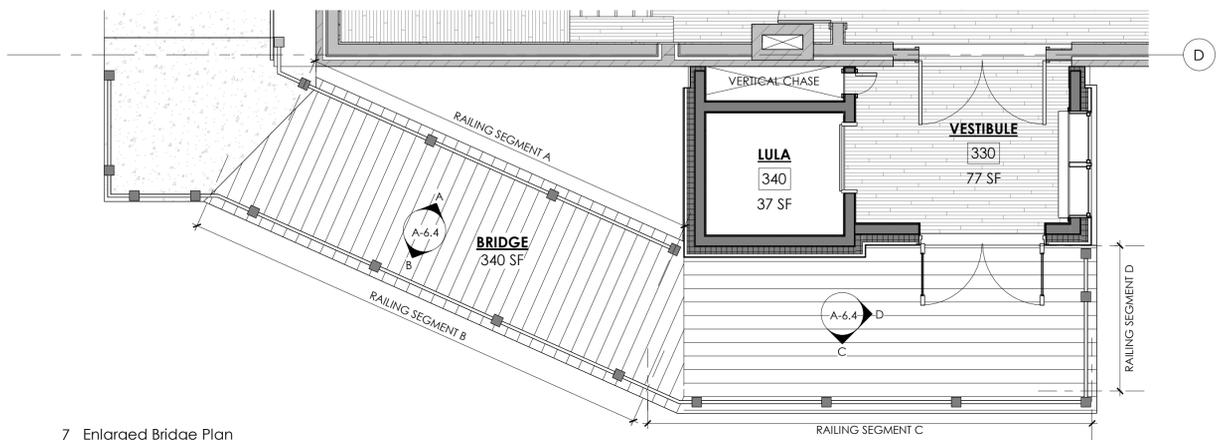


**ISSUED FOR CONSTRUCTION**

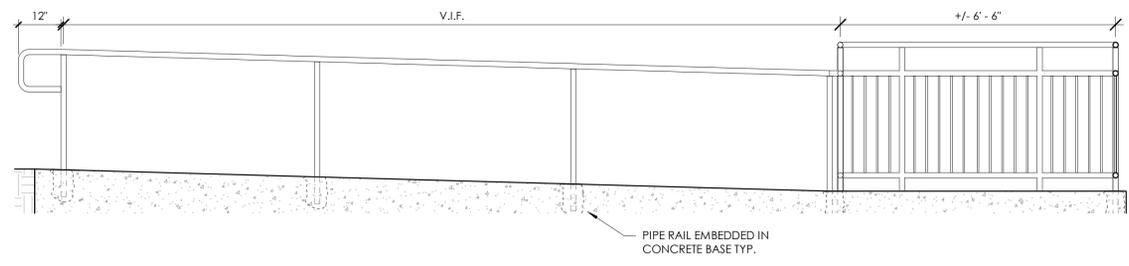
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RAILING DETAILS

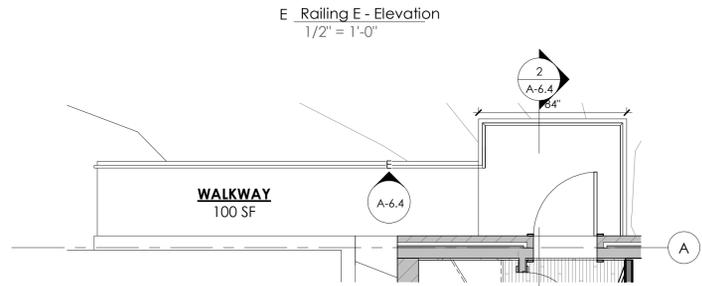
**A-6.4**



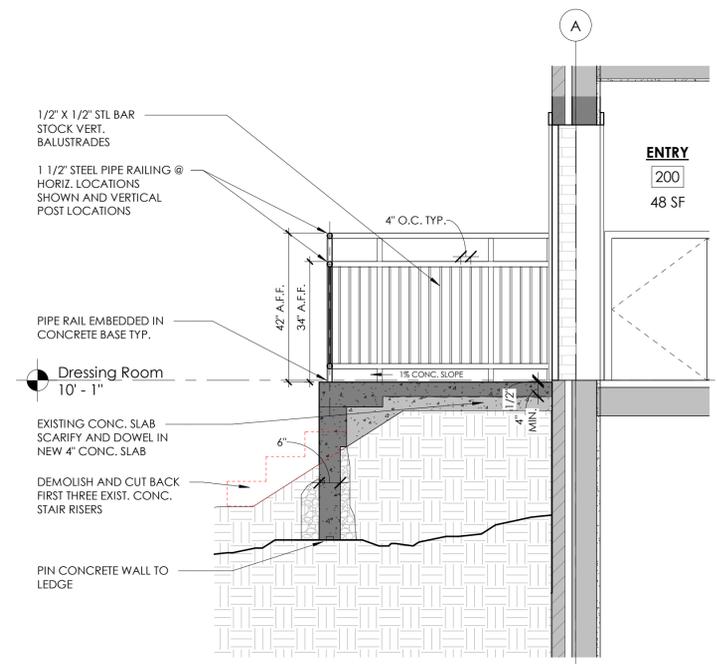
7 Enlarged Bridge Plan  
1/4" = 1'-0"



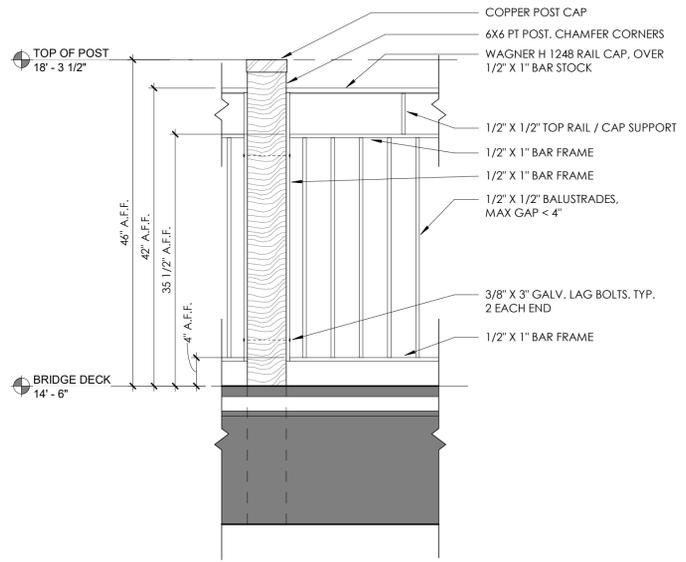
E Railing E - Elevation  
1/2" = 1'-0"



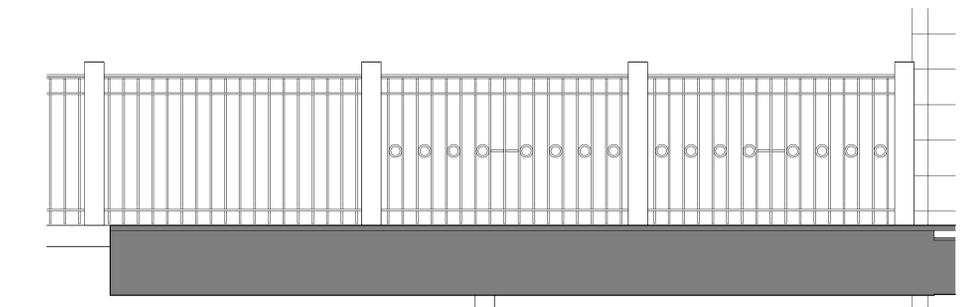
6 Dressing Room Ramp  
1/4" = 1'-0"



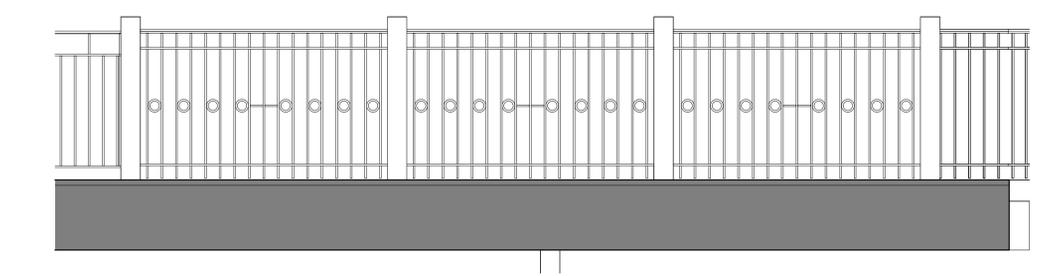
2 Section at Concrete Landing & Exist. Stair  
1/2" = 1'-0"



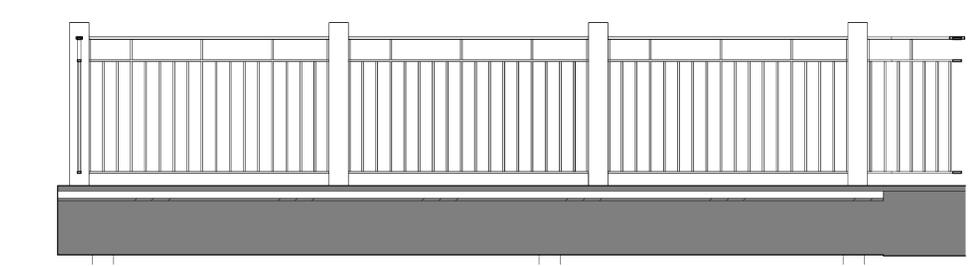
5 New Rail Section  
1" = 1'-0"



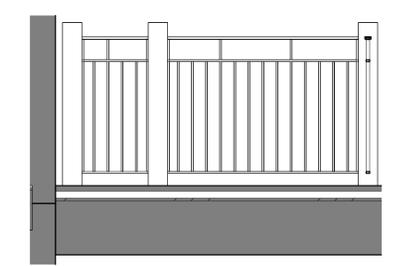
A Railing A  
1/2" = 1'-0"



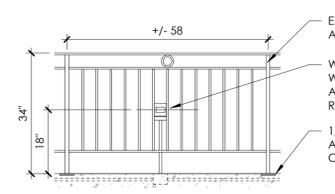
B Railing B  
1/2" = 1'-0"



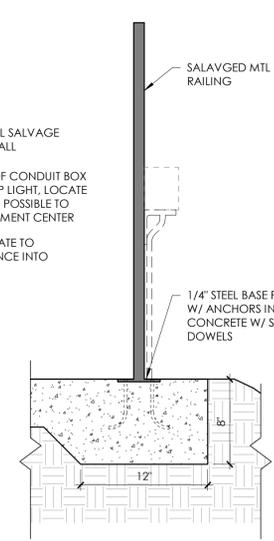
C Railing C  
1/2" = 1'-0"



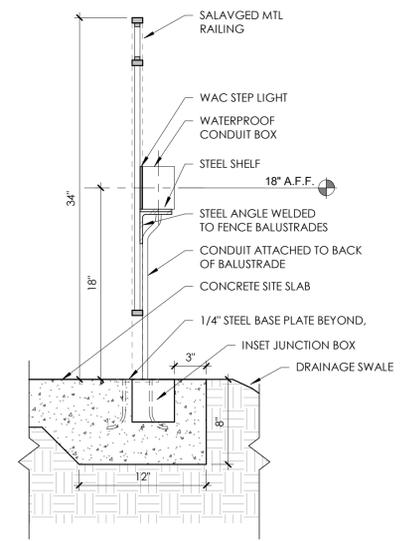
D Railing D  
1/2" = 1'-0"



4 Site Iron Fence  
1/2" = 1'-0"



3 Site Iron Fence Section @ Baseplate  
1 1/2" = 1'-0"



1 Site Iron Fence Section @ Light  
1 1/2" = 1'-0"



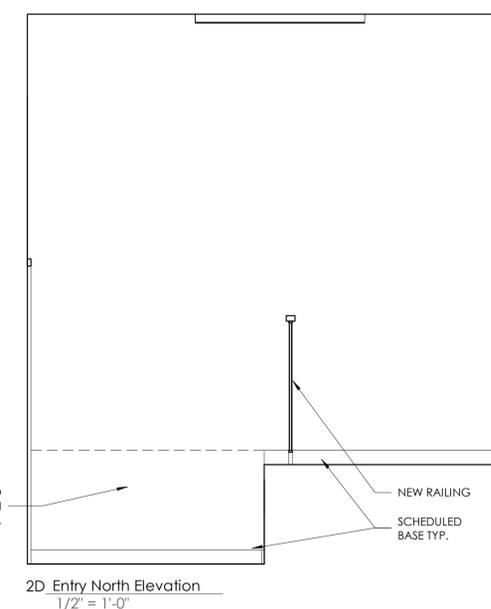
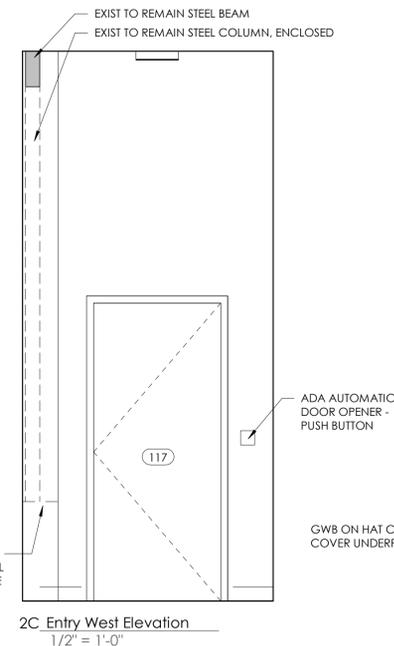
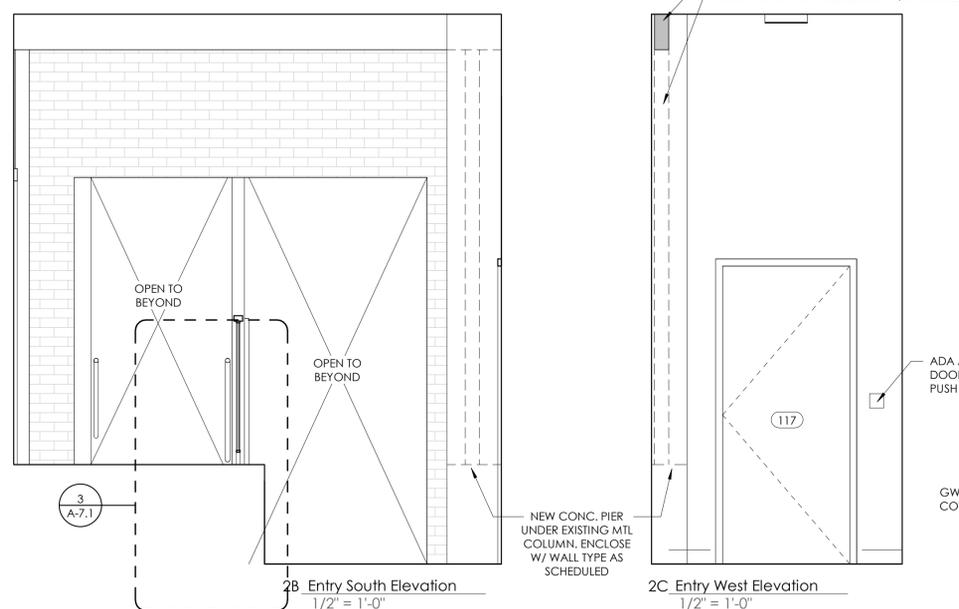
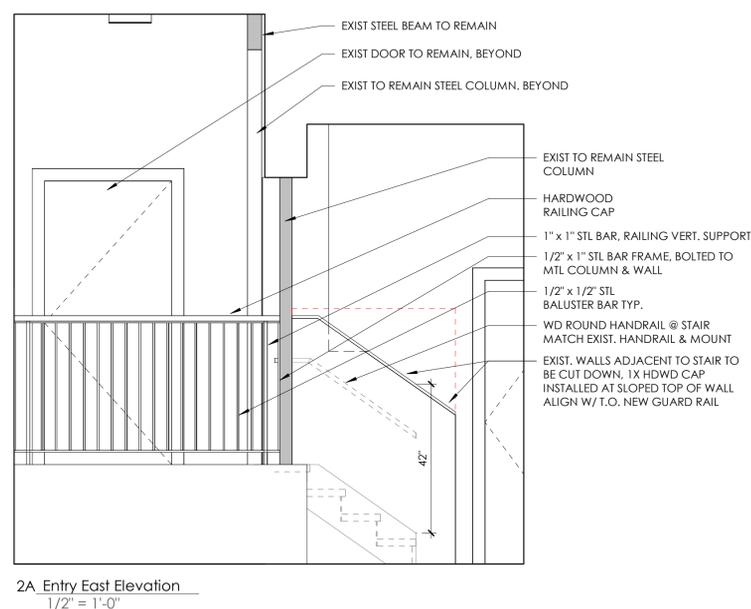
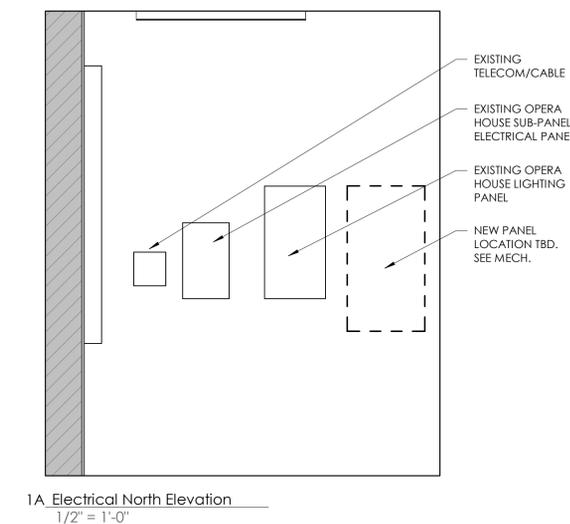
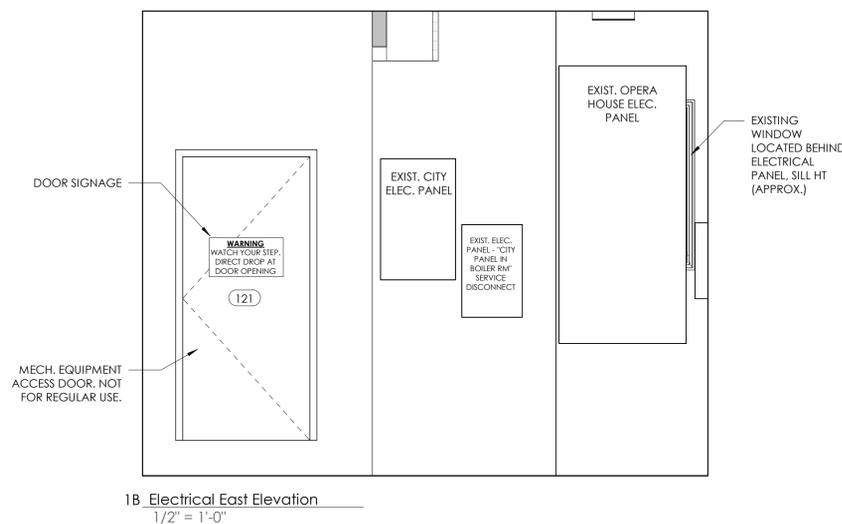
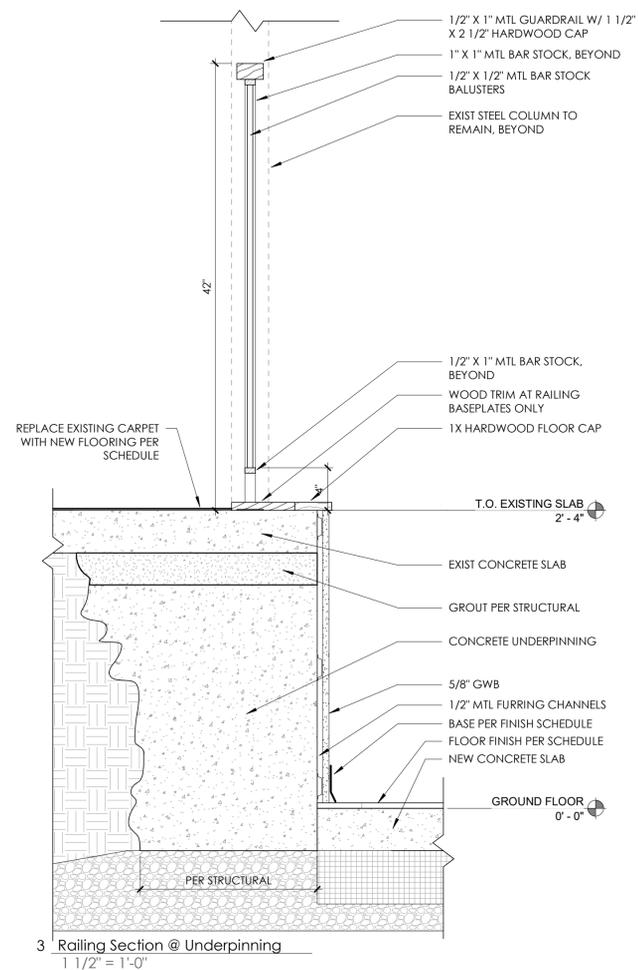
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ACCESS**

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VT 05491

**INTERIOR  
ELEVATIONS -  
ELECTRICAL &  
ENTRY**

**A-7.1**



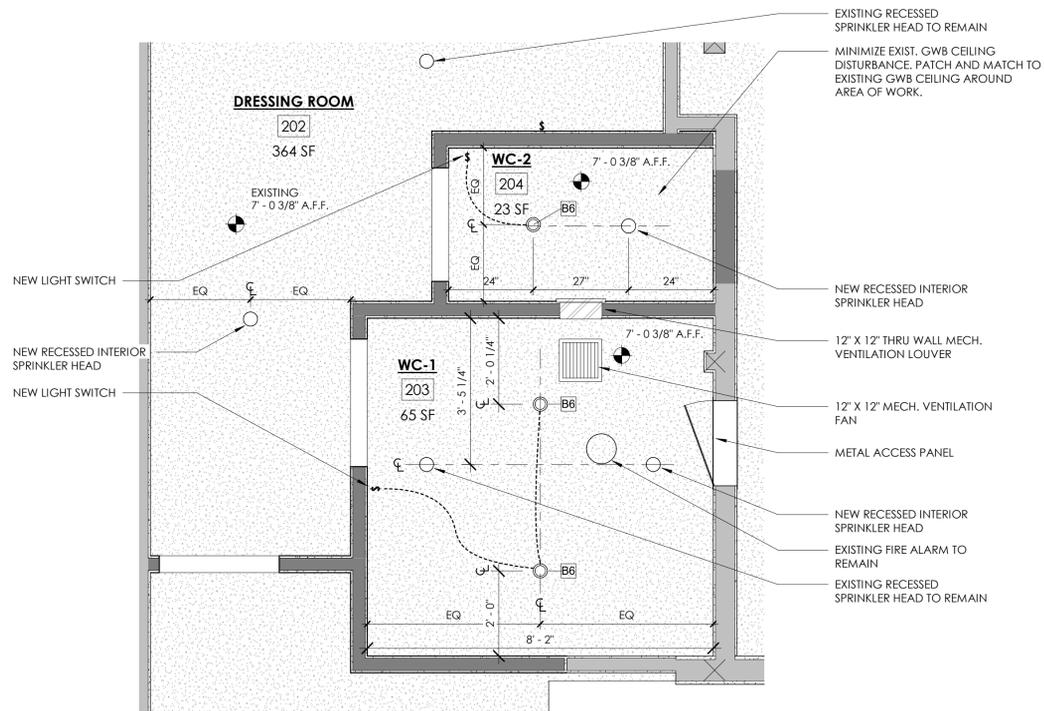


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ACCESS**

120 Main St, Vergennes,  
VT 05491

**INTERIOR  
ELEVATIONS -  
DRESSING ROOM  
& WC 1 & 2**  
**A-7.2**

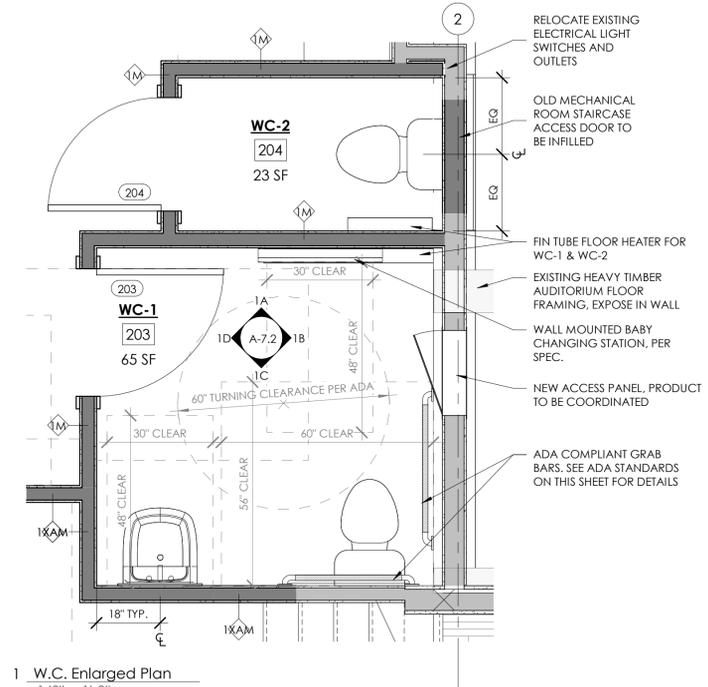


**DRAWING LEGEND**

- EXISTING WALL/ EXIST. CONDITIONS
- EXISTING CONCRETE WALL
- EXISTING MASONRY WALL
- NEW WALL / NEW CONSTRUCTION

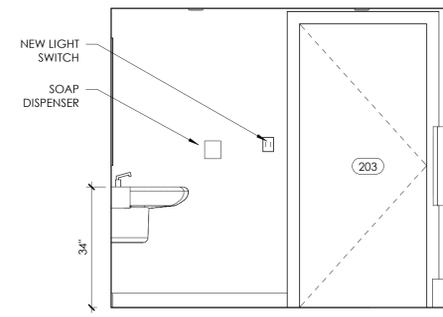
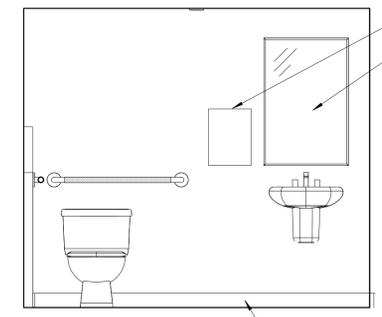
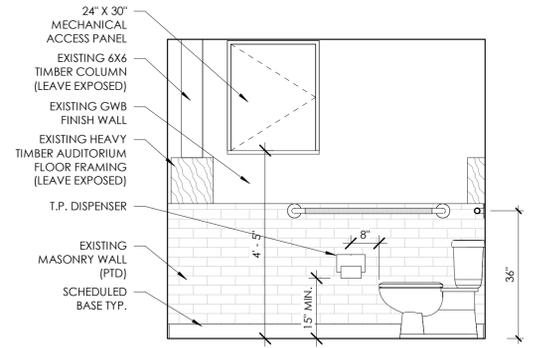
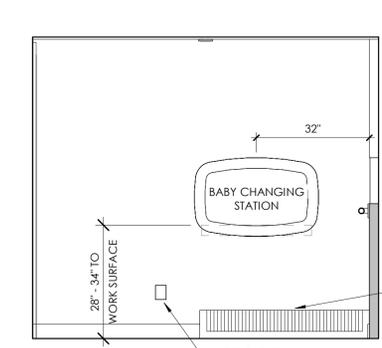
**BATHROOM NOTES**

1. MOISTURE RESISTANT SHEETROCK AT ALL BATHROOM WALLS
2. PROVIDE BLOCKING FOR GRAB BARS, TOILET PAPER HOLDERS, TOWEL BARS, MIRRORS, AND OTHER FIT-UP ITEMS.
3. SEE A-1.1 FOR TYPICAL ACCESSIBLE BATHROOM STANDARDS PERTAINING TO GRAB BARS AND FIXTURES.
4. DIMENSIONS ON THIS SHEET ARE TYPICALLY TO FACE OF FINISH, U.N.O.



2 W.C. RCP  
1/2" = 1'-0"

1 W.C. Enlarged Plan  
1/2" = 1'-0"

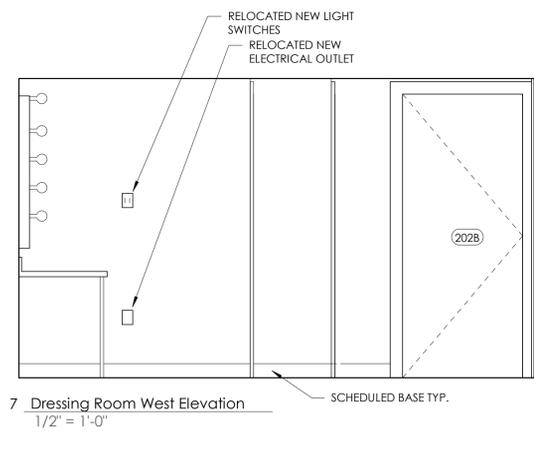
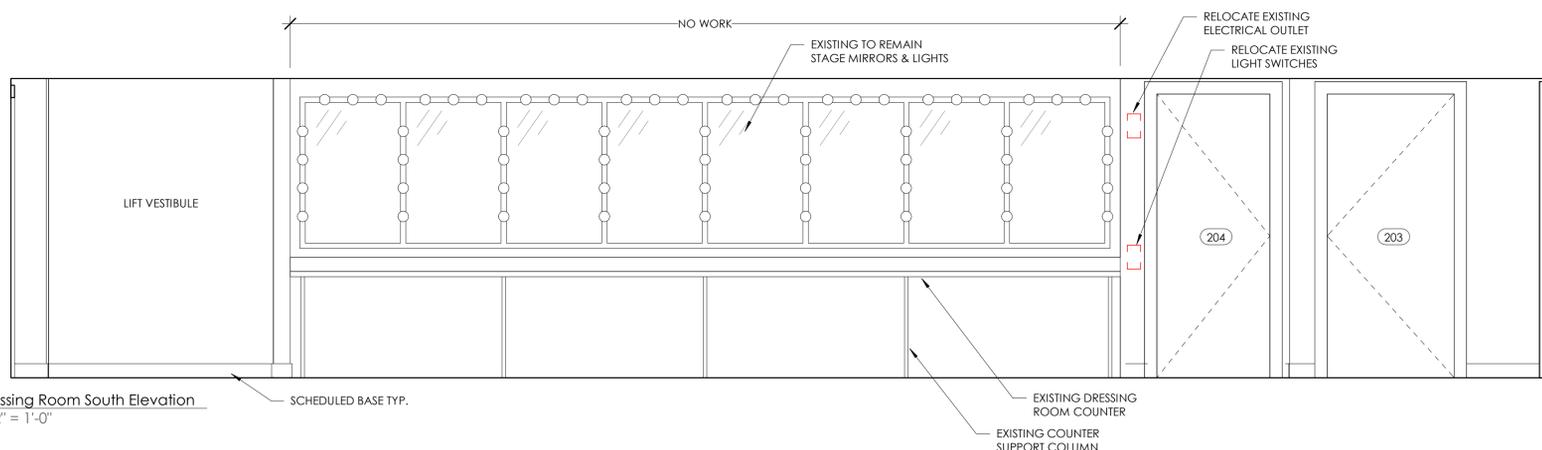


1A WC-1 East Elevation  
1/2" = 1'-0"

1B WC-1 South Elevation  
1/2" = 1'-0"

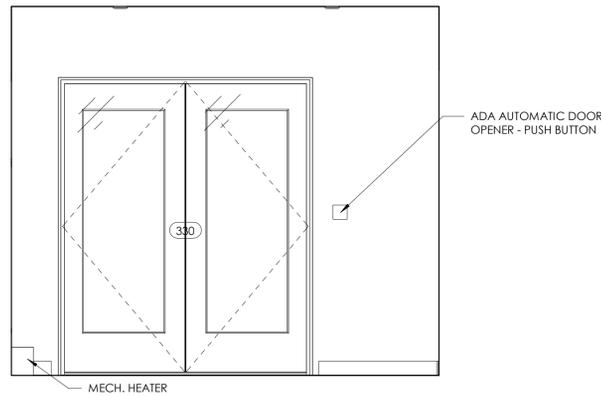
1C WC-1 West Elevation  
1/2" = 1'-0"

1D WC-1 North Elevation  
1/2" = 1'-0"

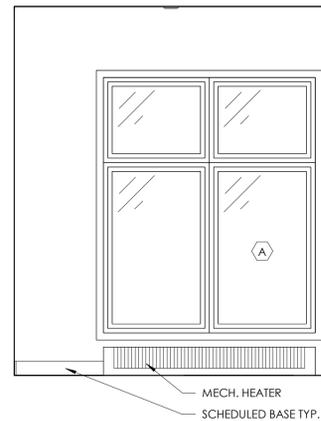


8 Dressing Room South Elevation  
1/2" = 1'-0"

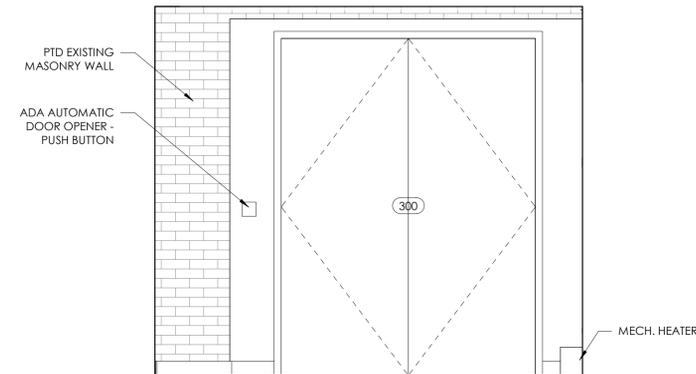
7 Dressing Room West Elevation  
1/2" = 1'-0"



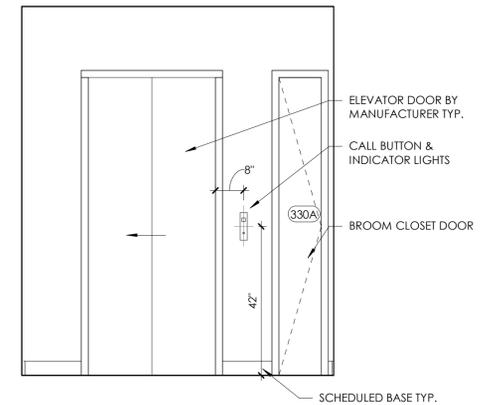
1 2nd Floor Vestibule West Elevation  
1/2" = 1'-0"



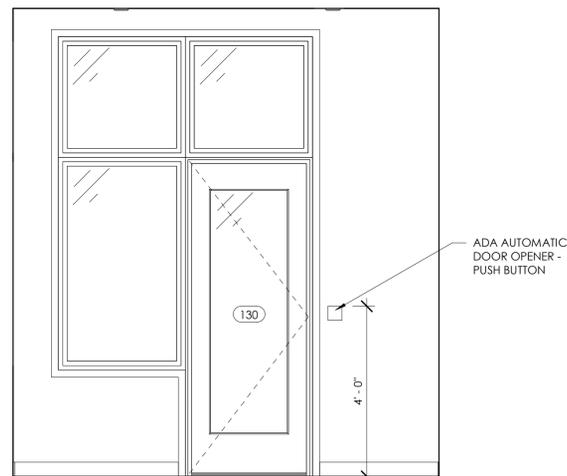
2 2nd Floor Vestibule South Elevation  
1/2" = 1'-0"



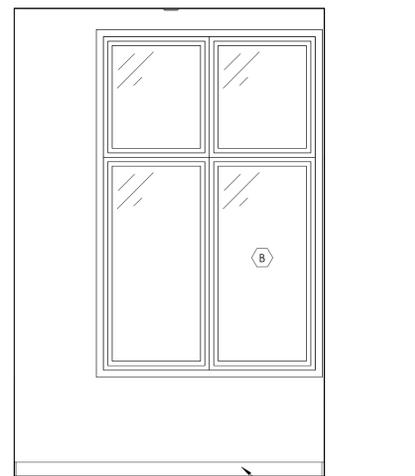
3 2nd Floor Vestibule East Elevation  
1/2" = 1'-0"



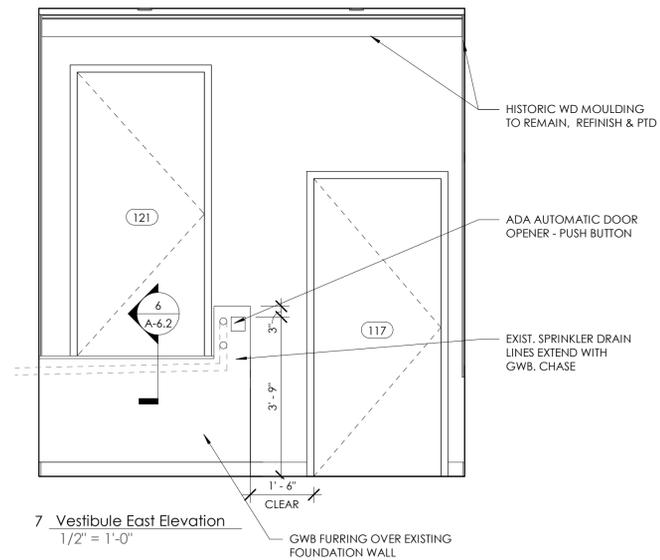
4 2nd Floor Vestibule North Elevation  
1/2" = 1'-0"



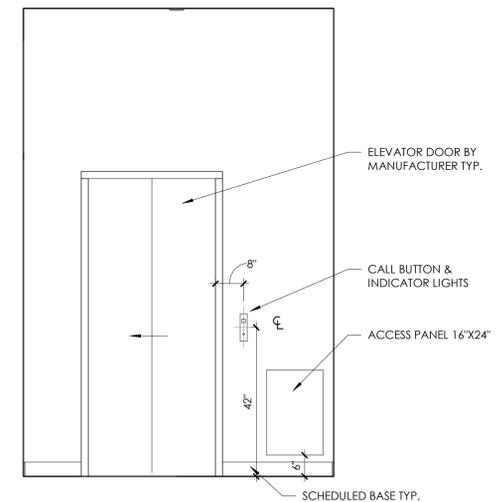
5 Vestibule West Elevation  
1/2" = 1'-0"



6 Vestibule South Elevation  
1/2" = 1'-0"



7 Vestibule East Elevation  
1/2" = 1'-0"



8 Vestibule North Elevation  
1/2" = 1'-0"

DATE ISSUED: 04/30/23  
Drawn: GP  
Checked: EF

REVISIONS:



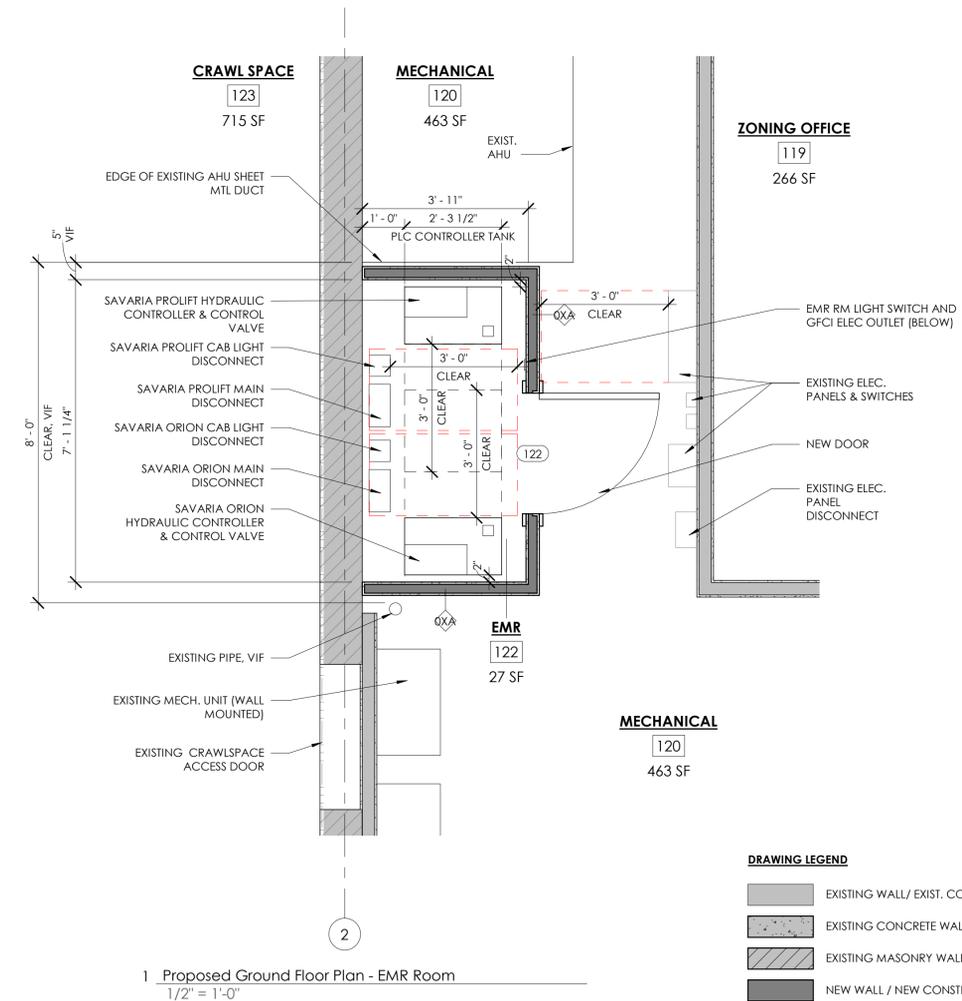
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INTERIOR ELEVATIONS - VESTIBULE

**A-7.3**



DATE ISSUED: 04/30/23  
Drawn: EF  
Checked: AN

REVISIONS:



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**ENLARGED PLAN - EMR**

**A-7.4**

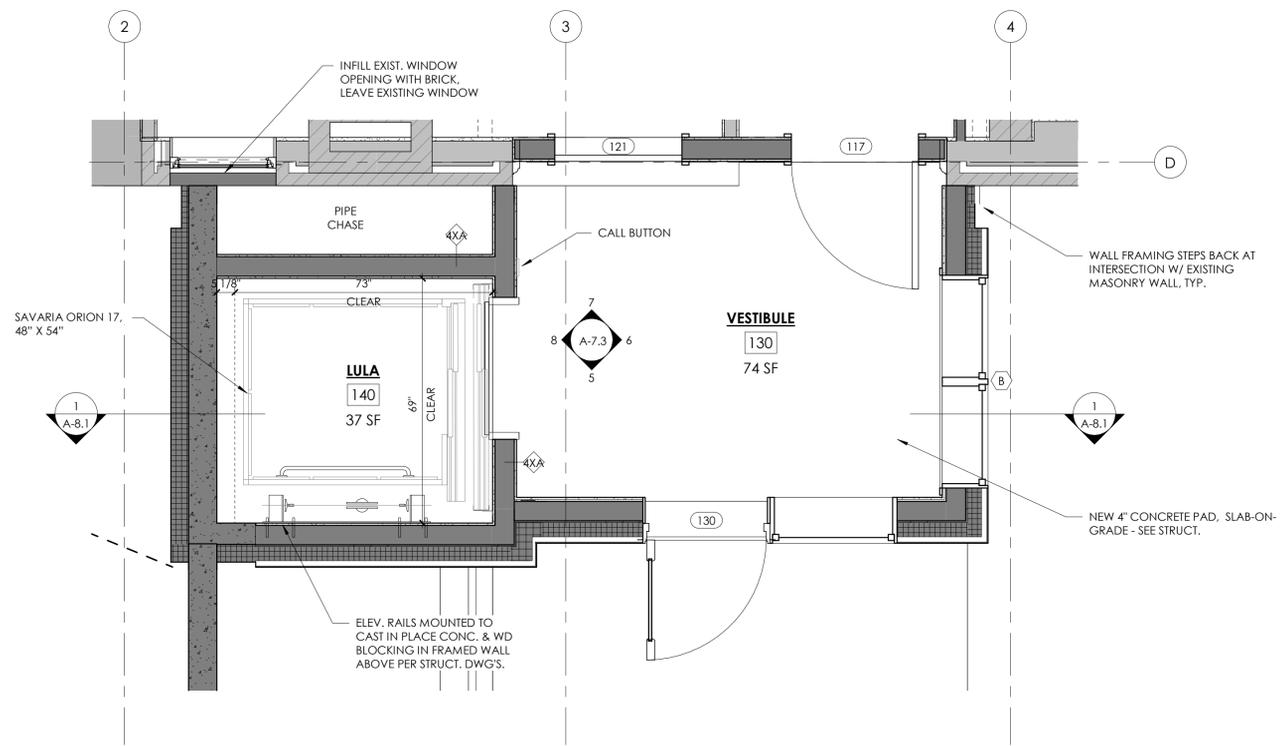


**ISSUED FOR CONSTRUCTION**

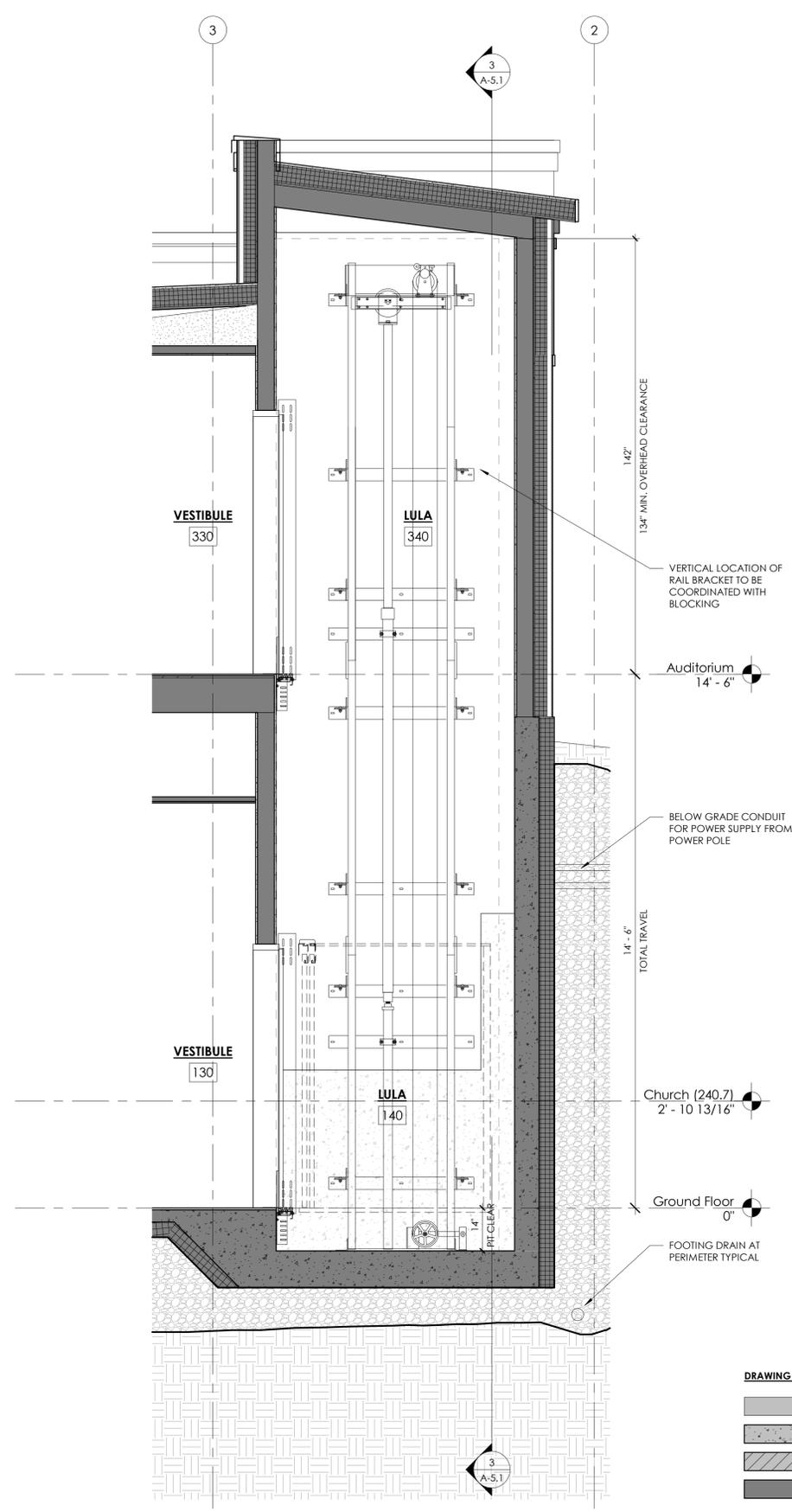
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LULA - ENLARGED PLAN & SECTION

A-8.1



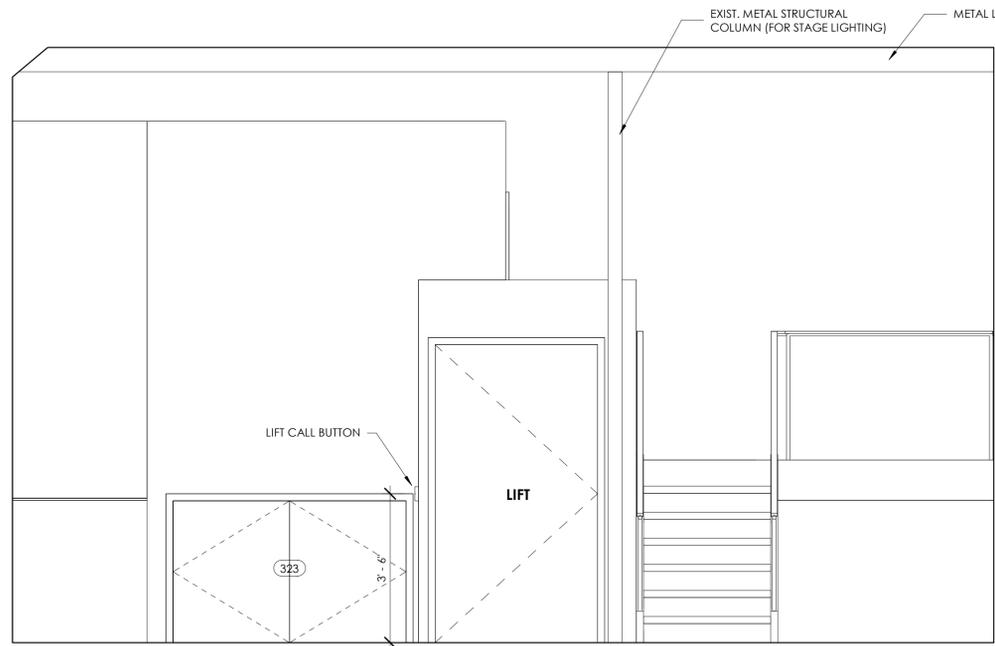
2 - Enlarged Ground Floor Elevator Plan  
1/2" = 1'-0"



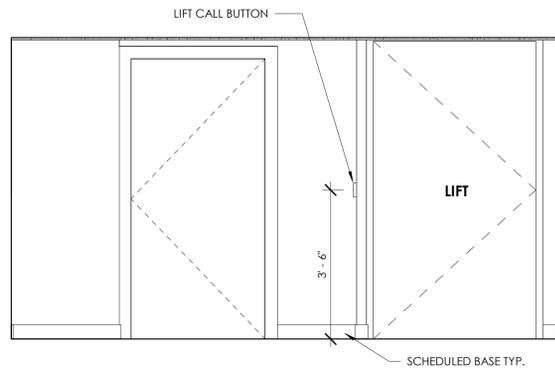
1 - N-S Elevator Section  
1/2" = 1'-0"

**DRAWING LEGEND**

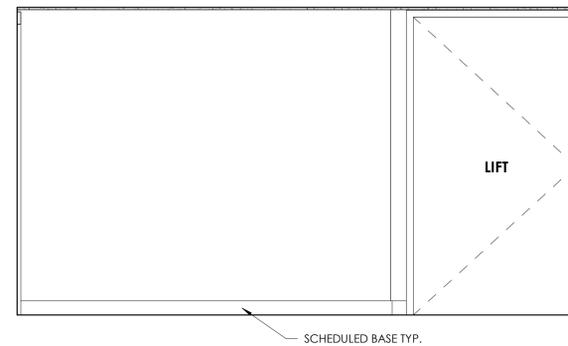
	EXISTING WALL/ EXIST. CONDITIONS
	EXISTING CONCRETE WALL
	EXISTING MASONRY WALL
	NEW WALL / NEW CONSTRUCTION



7 Tech Mezzanine and Lift Elevation  
1/2" = 1'-0"



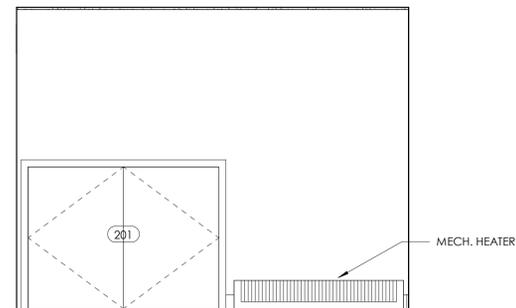
6 Lift Dressing Room Lobby East Elevation  
1/2" = 1'-0"



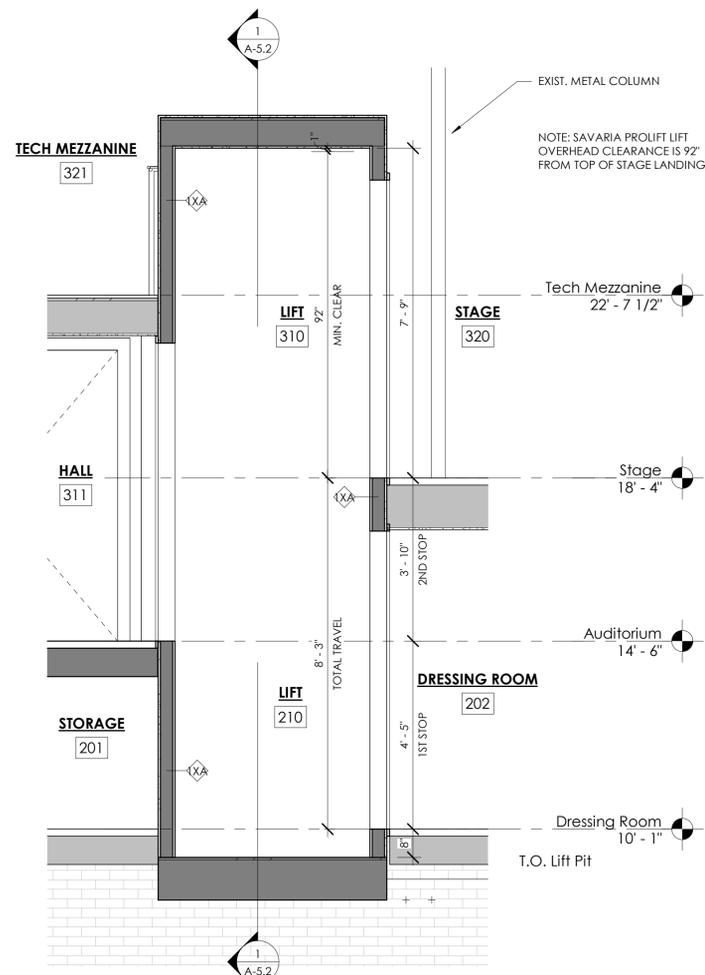
5 Hall West Elevation  
1/2" = 1'-0"

**DRAWING LEGEND**

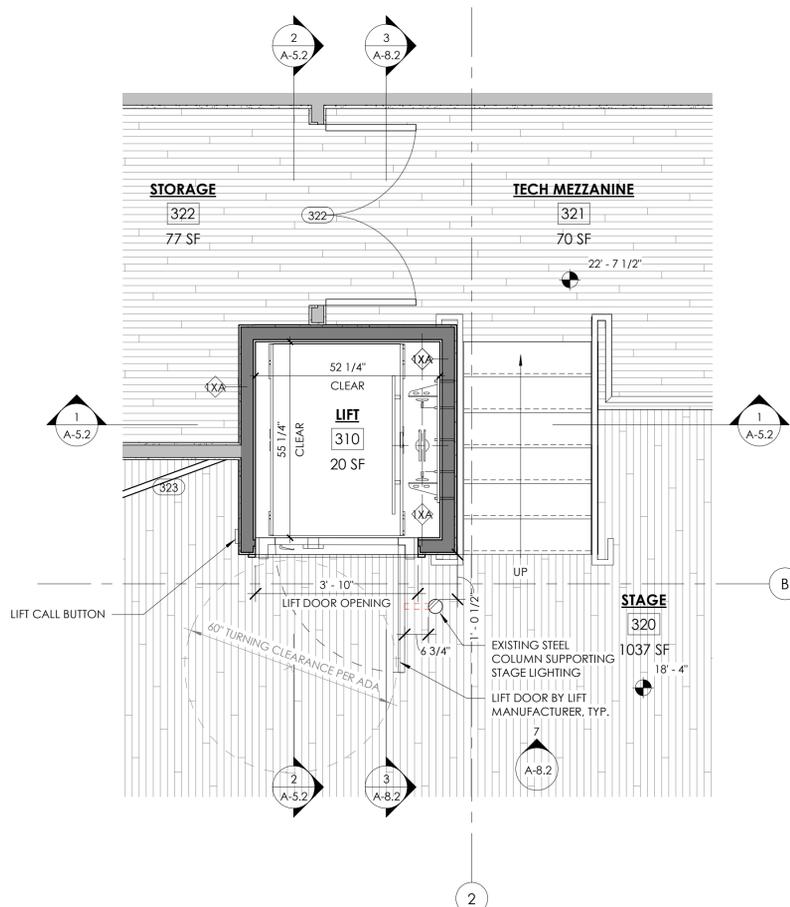
[Pattern]	EXISTING WALL/ EXIST. CONDITIONS
[Pattern]	EXISTING CONCRETE WALL
[Pattern]	EXISTING MASONRY WALL
[Pattern]	NEW WALL / NEW CONSTRUCTION



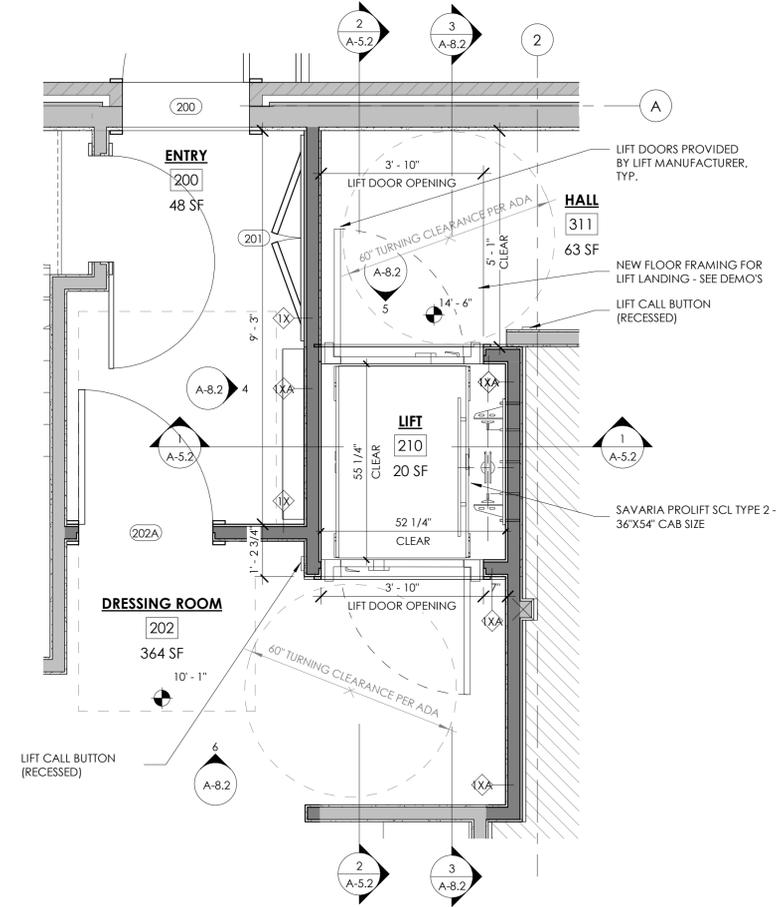
4 Dressing Room Entry South Elevation  
1/2" = 1'-0"



3 E-W Lift Section  
1/2" = 1'-0"



2 Enlarged Lift Plan - Stage Level  
1/2" = 1'-0"



1 Enlarged Lift Plan - Dressing Room Level  
1/2" = 1'-0"

DATE ISSUED: 04/30/23  
Drawn: GP  
Checked: EF

REVISIONS:



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CONSTRUCTION

F.V.O.H. ALL  
ACCESS

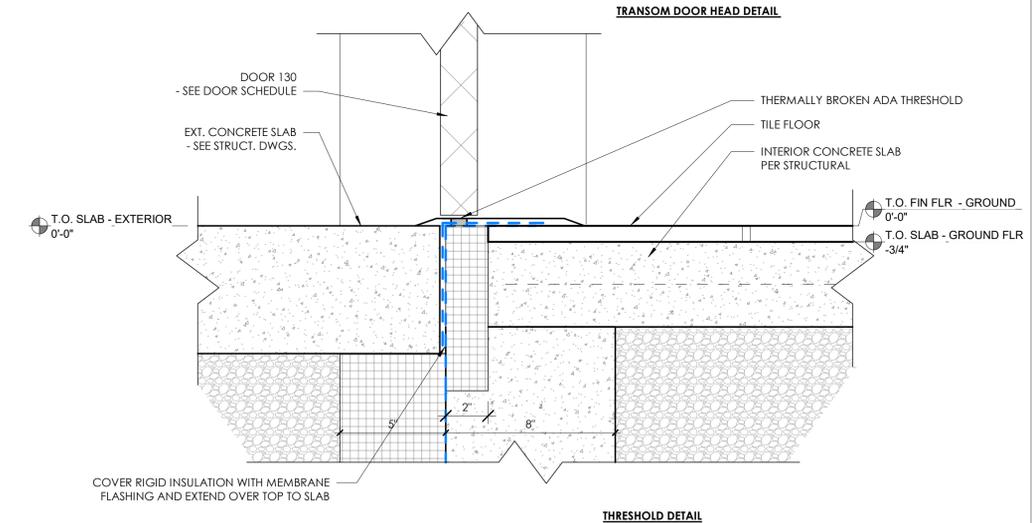
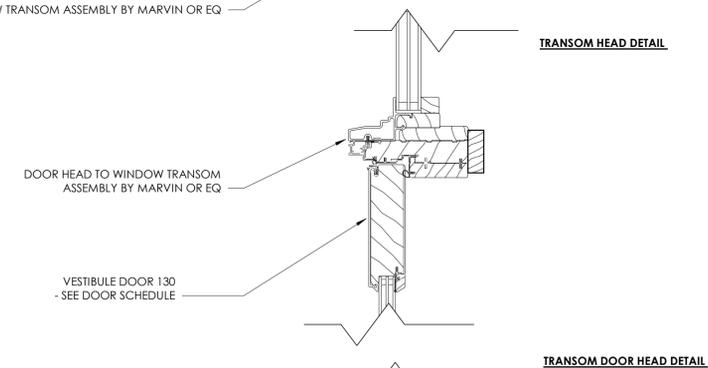
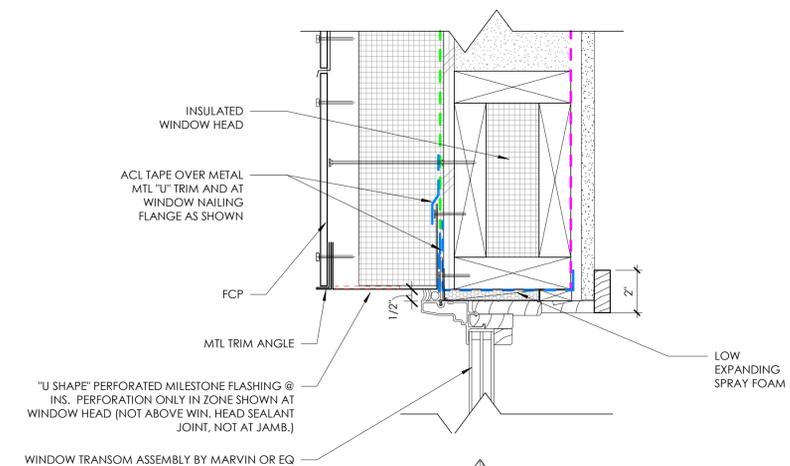
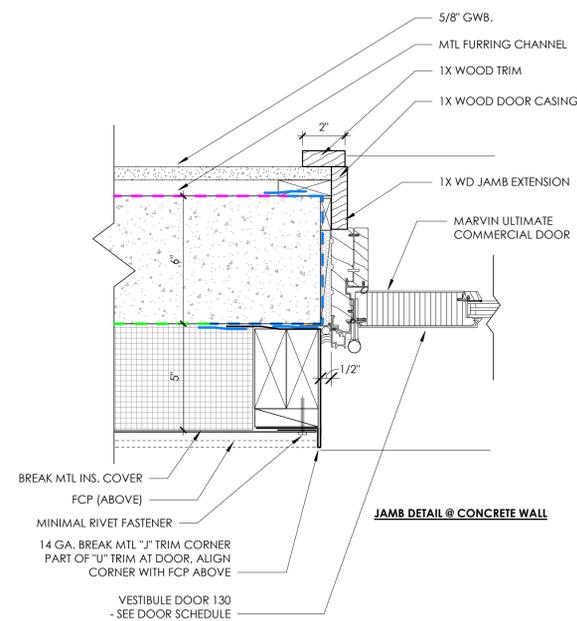
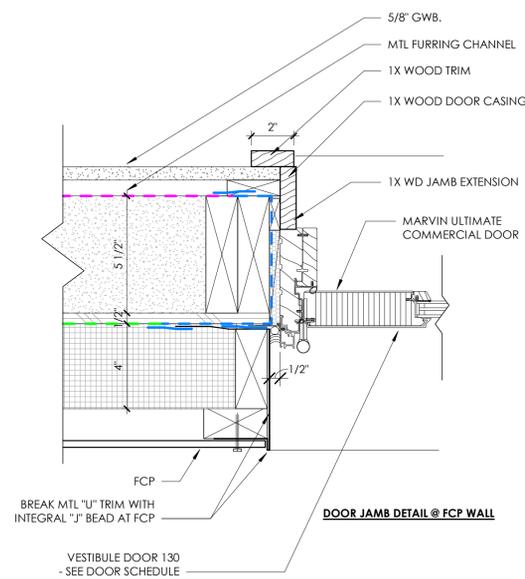
120 Main St, Vergennes,  
VT 05491

LIFT - ENLARGED  
PLANS & SECTION

A-8.2

**SECTION DETAILS AND MATERIALS LEGEND**

	WEATHER RESISTIVE BARRIER (WRB)/ DRAINAGE PLANE		STONE FILL
	VAPOR CONTROL LAYER (VCL)		EARTH
	AIR CONTROL LAYER (ACL)		CONCRETE
	UNDER SLAB VAPOR CONTROL LAYER		WOOD FINISH GRADE
	TAPE OR SELF ADHERING WATERPROOFING MEMBRANE (SAWM) AT EDGES/ JOINTS/ INTERSECTIONS; CONC. FOUNDATION WALL WATERPROOFING BELOW GRADE AS SPECIFIED		DIMENSIONAL LUMBER
	CLOSED CELL SPRAY FOAM INSULATION		BLOCKING
	RIGID FOAM INSULATION		
	FILL INSULATION		
	RIGID MINERAL WOOL INSULATION		
	BATT INSULATION		
	PLYWOOD		



1 Vestibule Entry Door Details  
3" = 1'-0"

DATE ISSUED: 04/30/23  
Drawn: EF  
Checked: AN

REVISIONS:



**ISSUED FOR CONSTRUCTION**

**F.V.O.H. ALL ACCESS**

120 Main St, Vergennes, VT 05491

DOOR DETAILS

**A-10.1**



## A. GENERAL NOTES

- ALL STRUCTURAL WORK SHALL CONFORM TO THE PROJECT SPECIFICATIONS, DRAWINGS, AND THE 2015 VERMONT FIRE AND BUILDING SAFETY CODE
- CONTRACTOR SHALL COORDINATE STRUCTURAL WORK WITH RELATED TRADES AND WITH OTHER DESIGN DISCIPLINE REQUIREMENTS PRIOR TO MAKING SUBMITTALS. CONTRACTOR SHALL REPORT ANY DISCREPANCIES TO THE ARCHITECT PRIOR TO PERFORMING WORK.
- REFER TO OTHER DESIGN DISCIPLINE DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION REQUIRED FOR THE SUBMITTALS AND INSTALLATION OF STRUCTURES, INCLUDING BUT NOT LIMITED TO DIMENSIONS, ELEVATIONS, SLOPES, LOCATIONS OF OTHER SYSTEMS AND EQUIPMENT, OPENINGS, WALLS, STAIRS, FINISHES, COATINGS, AND OTHER NON-STRUCTURAL ITEMS. NOTES PROVIDED ON THE DRAWINGS ARE INTENDED FOR USE IN CONJUNCTION WITH PROJECT SPECIFICATIONS
- DETAILS LABELED AS TYPICAL DETAILS ON THE DRAWINGS SHALL APPLY TO ALL SITUATIONS OCCURRING ON THE PROJECT THAT ARE THE SAME OR SIMILAR TO THOSE SPECIFICALLY DETAILED. SUCH TYPICAL DETAILS SHALL APPLY WHETHER OR NOT THEY ARE DEMARKED AT EACH LOCATION IN THE DRAWINGS. FOR CONDITIONS NOT SPECIFICALLY SHOWN, PROVIDE DETAILS OF A SIMILAR NATURE. VERIFY APPLICABILITY BY SUBMITTALS.
- CONTRACTOR IS RESPONSIBLE FOR COORDINATION DETAILS AND ACCURACY OF THE WORK; FOR CONFIRMING AND CORRELATING ALL QUANTITIES AND DIMENSIONS; FOR SELECTING FABRICATION PROCESSES; FOR TECHNICALS OF ASSEMBLY IN ACCORDANCE WITH GENERAL CONDITIONS AND DIVISION 1 SPECIFICATION REQUIREMENTS; AND FOR PERFORMING ALL WORK IN A SAFE AND SECURE MANNER IN ACCORDANCE WITH GOVERNING JOB SAFETY STANDARDS.
- CONTRACTOR SHALL VERIFY ALL CONDITIONS AT THE SITE, INCLUDING LOCATIONS OF ALL EXISTING STRUCTURES AND EXISTING UTILITIES ABOVE AND BELOW GROUND (AS ANY INFORMATION SHOWN IS APPROXIMATE AND NOT NECESSARILY COMPLETE.) CONTRACTOR SHALL REPORT ANY DISCREPANCIES TO THE ARCHITECT PRIOR TO PERFORMING WORK.
- LOADS APPLIED DURING CONSTRUCTION SHALL NOT EXCEED THE DESIGN LOADS NOTED ON THE DRAWINGS OR THE CAPACITY OF PARTIALLY COMPLETED CONSTRUCTIONS AS DETERMINED BY THE CONTRACTOR. THE STRUCTURAL ELEMENTS OF THE PROJECT AS SHOWN IN THE CONSTRUCTION DOCUMENTS HAVE BEEN DESIGNED FOR THE SPECIFIED VERTICAL AND LATERAL LOADS ACTING ON THE COMPLETED BUILDING. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DESIGN AND PROVIDE ALL REQUIRED SHORING AND BRACING NEEDED DURING CONSTRUCTION TO MAINTAIN THE STABILITY AND SAFETY OF THE PARTIALLY-COMPLETED STRUCTURE AND FOR CONSTRUCTION LOADINGS THAT EXCEED THE SPECIFIED DESIGN LOADS
- SHORING, BRACING, PROTECTING, AND MAINTAINING THE INTEGRITY OF ANY EXISTING, ADJACENT, AND/OR ONGOING PARTIALLY COMPLETED STRUCTURES IS THE RESPONSIBILITY OF THE CONTRACTOR.

## B. EXISTING BUILDING NOTES

- DIMENSIONS, ELEVATIONS, MEMBER SIZES, AND DETAILS OF EXISTING STRUCTURE SHOWN IN THE STRUCTURAL DRAWINGS HAVE BEEN EXTRACTED FROM RECORD DRAWINGS AND/OR LIMITED FIELD MEASUREMENTS. AS SUCH THEY ARE NOT TO BE CONSIDERED SUITABLY ACCURATE FOR ANY CONSTRUCTION WORK SHOWN, INCLUDING FABRICATIONS, SUBMITTALS, ETC. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS OF THE EXISTING CONSTRUCTION, INCLUDING PLUMBNESS OR FLATNESS OF WALLS, FLOORS, ETC. AT THE JOB SITE PRIOR TO SUBMITTAL, FABRICATION OR CONSTRUCTION WORK. ANY DEVIATIONS FOUND IN THE FIELD FROM WHAT IS SHOWN ON THE DRAWINGS SHALL BE REPORTED TO THE ARCHITECT PRIOR TO FABRICATION OR CONSTRUCTION.
- TEMPORARY SHORING AND BRACING OF FLOORS, WALLS, AND OTHER STRUCTURAL ELEMENTS OF THE EXISTING BUILDINGS REQUIRED TO ACHIEVE THE INSTALLATION OF NEW AND/OR THE REMOVAL OF EXISTING STRUCTURAL ELEMENTS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL, AT THEIR DISCRETION AND WHERE SPECIFIED, EMPLOY ENGINEERING SERVICES FOR DESIGN OF TEMPORARY BRACING, SHORING AND PROTECTION. EXISTING BUILDING MOVEMENTS SHALL BE LIMITED TO PREVENT DISTRESS FROM OCCURRING.
- REPORT EXISTING CONDITIONS UNCOVERED, REVEALED, FOUND OR DEVELOPED DURING CONSTRUCTION INDICATIVE OF STRUCTURAL INTEGRITY LOSS OR DETERIORATION, UNLESS SPECIFICALLY NOTED ON THE DRAWINGS.
- DO NOT CUT, DRILL OR ALTER ANY EXISTING STRUCTURAL ELEMENTS UNLESS SHOWN OR NOTED ON THE STRUCTURAL DRAWINGS WITHOUT NOTIFY THE ARCHITECT FOR REVIEW, INCLUDING TEMPORARY MEASURES OR FOR THE INSTALLATION OF OTHER DESIGN DISCIPLINE WORK.
- MONITORING OF CONSTRUCTION WORK SHALL INCLUDE, BUT IS NOT LIMITED TO FIRE WATCH DURING AND AT LEAST 24 HOURS AFTER ALL STEEL WELDING OR DRILLING, WOOD DRILLING, AND HEAT TRANSFERRING CONSTRUCTION MEASURES. DO NOT ALLOW HEAT OR ENERGY FROM EQUIPMENT TO DAMAGE OR OTHERWISE ALTER EXISTING STRUCTURAL ELEMENTS TO REMAIN.
- FOR EXISTING STEEL ELEMENTS, DO NOT ALLOW THE THROUGH THICKNESS TEMPERATURE OF THE STEEL TO EXCEED 300° FAHRENHEIT DURING WELDING PROCESSES UNLESS SPECIFICALLY NOTED OTHERWISE. USE ACTIVE, OBSERVABLE SURFACE MONITORING METHODS.

## C. FOUNDATION RELATED EARTHWORK

- FOUNDATIONS HAVE BEEN DESIGNED FOR A PRESUMPTIVE BEARING PRESSURE OF 4,000 PSF BASED ON IBC 2015 TABLE 1806.2 (SOIL CONDITIONS ASSUMED TO BE: SEDIMENTARY AND FOLIATED ROCK), THIS ASSUMPTION SHALL BE VERIFIED BY THE OWNER OR GENERAL CONTRACTOR AT THE TIME OF EXCAVATION. IF NECESSARY, THE OWNER SHALL EMPLOY A TESTING AGENCY OR GEOTECHNICAL ENGINEER TO ASSIST IN THIS EVALUATION. SOIL TESTING HAS NOT BEEN COMPLETED BY THE DESIGN TEAM.
- FOOTINGS AND SLABS CAST DIRECTLY AGAINST THE EARTH SHALL BE SIDE-FORMED AS REQUIRED TO KEEP EARTH OUT OF THE CONCRETE. COMPACT DISTURBED LOAD BEARING SOIL IN DIRECT CONTACT WITH FOUNDATIONS TO ORIGINAL BEARING CAPACITY. AS WET WEATHER OR GROUND CONDITIONS WARRANT, PLACE A MINIMUM OF 12 INCHES OF CRUSHED STONE ON CRACKED/TEXTURED SURFACE FOR SUBGRADE PROTECTION BENEATH FOUNDATIONS. DO NOT ALLOW FOR STANDING WATER ON EARTH. IF OVER-EXCAVATION OCCURS, REPLACE MATERIAL WITH BACKFILL MEASURES SPECIFIED FOR USE UNDER FOUNDATIONS.
- UNLESS NOTED OTHERWISE, PLACE AND COMPACT BACKFILL IN EQUAL CONTINUOUS LAYERS NOT EXCEEDING A MAXIMUM OF 8" OF COMPACTED DEPTH FOR HAND-HELD COMPACTION EQUIPMENT AND A MAXIMUM OF 12" INCHES COMPACTED DEPTH FOR VIBRATORY ROLLERS. MAINTAIN OPTIMUM MOISTURE CONTENT OF BACKFILL MATERIALS TO ATTAIN COMPACTION DENSITY.
- AT EARTH RETAINING AND FOUNDATION WALLS, BACKFILL LIFTS TO NOT EXCEED 12 INCH DIFFERENCE IN ELEVATION UNTIL FINAL ELEVATION ARE REACHED ON BOTH SIDES OF THE WALL.
- BACKFILL REQUIREMENTS:
  - FILL WITHIN BUILDING ENVELOPE AND EXTENDING OUTWARD AT 1:1 SLOPE TO ACCEPTABLE NATIVE SOIL CONDITIONS.  
MATERIAL: "STRUCTURAL FILL"  
COMPACTION: 95% MODIFIED PROCTOR
  - FILL DIRECTLY BELOW INTERIOR AND EXTERIOR SLAB-ON-GRADE ASSEMBLIES:  
MATERIAL: "CRUSHED STONE"  
COMPACTION: 95% MODIFIED PROCTOR
  - BACKFILL BEHIND RETAINING WALLS AND OUTSIDE BUILDING ENVELOPE:  
MATERIAL: "STRUCTURAL FILL"  
COMPACTION: 95% MODIFIED PROCTOR
  - FILL UNDER FOUNDATIONS AND AROUND FOOTING DRAINS:  
MATERIAL: "CRUSHED STONE"  
COMPACTION: 95% MODIFIED PROCTOR
- BACKFILL MATERIALS:
  - "STRUCTURAL FILL": (2018 VTRANS SPECIFICATION 704.08A)  
SIEVE DESIGNATION % BY WEIGHT PASSING SIEVES  
4 INCH 100  
3 INCH 90-100  
1/4 INCH 25-90  
No. 40 0-30  
No. 200 0-5
  - "CRUSHED STONE": (2018 VTRANS SPECIFICATION 704.02B)  
SIEVE DESIGNATION % WEIGHT BY PASSING SIEVES  
1 INCH 100  
3/4 INCH 90-100  
3/8 INCH 20-55  
No. 4 0-10  
No. 8 0-5
  - "SUITABLE NATIVE SOIL": ON SITE SAND OR GRAVEL REASONABLY FREE OF LOAM, SILT, CLAY, OR ORGANIC MATTER.
- GEOTEXTILE FABRIC: NON-WOVEN WITH 12-INCH LAPPED SEAMS MEETING:
  - GRAB STRENGTH OF 80 POUNDS MINIMUM MEETING ASTM D4632
  - PUNCTURE STRENGTH OF 25 POUNDS MINIMUM MEETING ASTM D4833
  - TRAPEZOID TEAR OF 25 POUNDS MINIMUM MEETING ASTM D4833
  - APPARENT OPENING SIZE OF NO. 70-100 (US SIEVE) MEETING ASTM D4751

## D. CAST-IN-PLACE CONCRETE

- CODES AND STANDARDS: COMPLY WITH THE PROVISIONS OF THE LATEST EDITIONS OF:
  - ACI 318 "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE"
  - ACI 301 "SPECIFICATIONS FOR STRUCTURAL CONCRETE"
  - ACI 304 "GUIDE FOR MIXING, TRANSPORTING AND PLACING CONCRETE"
  - ACI 305 "HOT WEATHER CONCRETING"
  - ACI 308 "STANDARD SPECIFICATION FOR COLD WEATHER CONCRETING"
  - ACI 308 "STANDARD PRACTICE FOR CURING CONCRETE"
- CONCRETE TESTING: THE CONTRACTOR SHALL PREPARE A SET OF 4 CYLINDERS/TEST SET TO BE TESTED AT AN INDEPENDENT LABORATORY. THE CYLINDERS SHALL BE TAKEN FROM ONE CONCRETE TRUCK AND LABELED WITH DATE, TRUCK NUMBER, AND LOCATION OF CONCRETE PLACEMENT. EACH SAMPLE SHALL ALSO BE TESTED FOR SLUMP, AIR CONTENT, AND TEMPERATURE. THE CYLINDERS SHALL BE TESTED AS FOLLOWS: 1 AT 7 DAYS; 2 AT 28 DAYS; AND A THIRD HELD FOR A 56 DAY BREAK IF REQUIRED. TEST CYLINDERS SHALL BE TAKEN AT LEAST ONCE PER PLACEMENT OR AT THE FOLLOWING INCREMENTS:
  - WALLS AND FOOTINGS: 50 CUBIC YARDS
  - SLABS: 50 CUBIC YARDSFIELD TESTING SHALL BE PERFORMED BY A GRADE I ACI (MINIMUM) FIELD TESTING TECHNICIAN.
- SUBMIT MIX DESIGN AND EITHER TRIAL MIX DESIGNS OR HISTORIC FIELD DATA FOR APPROVAL IN ACCORDANCE WITH ACI 318, CHAPTER 5, INCLUDE TECHNICAL DATA SHEETS, GRADATIONS, AND MATERIAL VERIFICATIONS ON ALL COMPONENTS. SUBMIT MIX DESIGNS, PRIOR TO PLACEMENT OF CONCRETE. TRANSIT MIX SHALL CONFORM TO ASTM C94.
- CONCRETE MIXTURES AS SCHEDULED IN TABLE 1 BELOW AND:
  - SLUMP: 3"-5" BEFORE ADDITION OF WATER REDUCER, 6"-8" AFTER ADDITION OF WATER REDUCER.
  - ALL CONCRETE TO BE NORMAL WEIGHT.
- MAXIMUM AGGREGATE SIZE IN ACCORDANCE WITH ACI 301; CLEARLY NOTE LOCATION WHERE AGGREGATES GREATER THAN 3/4" MAXIMUM SIZE ARE PROPOSED FOR USE.
- NO CHLORIDE OR OTHER UNAUTHORIZED ADMIXTURES SHALL BE USED. MAINTAIN MAXIMUM WATER SOLUBLE CHLORIDE FOR CL I IN CONCRETE. B. WHERE POSSIBLE, KEEP CONTINUOUSLY WET FOR 72 HOURS. CONTINUE CURING BY USE OF EXTERIOR EXPOSED CONCRETES.
- WHEN AMBIENT TEMPERATURE IS BELOW 40° FAHRENHEIT OR MORE THAN 90° FAHRENHEIT PLACE AND PROTECT CONCRETE IN ACCORDANCE WITH ACI STANDARDS LISTED ABOVE.
- CONCRETE PLACEMENT MAY REQUIRE ADJUSTMENT OF REINFORCEMENT, EMBEDDED ITEMS OR ANCHOR BOLTS. REVIEW DRAWINGS IDENTIFY THESE LOCATIONS TO ARCHITECT PRIOR TO SUBMITTALS. PROVIDE ADDITIONAL SUPERVISION AT ALL STEEL TO CONCRETE CONNECTION LOCATIONS AND MODIFY PLACEMENT MEASURES TO ACCOUNT FOR CONGESTIONS.
- COMPLY WITH ACI CODES AND PLACE CONCRETE IN A CONTINUOUS OPERATION WITHIN PLANNED JOINTS OR SECTIONS. DO NOT PERMIT COLD JOINTS TO OCCUR.
- CURING: COVER OR WET CURE ALL ELEMENTS. BEGIN INTIAL CURING AS SOON AS FREE WATER HAS DISAPPEARED FROM EXPOSED SURFACES. WHERE POSSIBLE, KEEP CONTINUOUSLY WET FOR 72 HOURS. CONTINUE CURING BY USE OF MOISTURE RETAINING COVER. USE OF MEMBRANE-FORMING CURING COMPOUNDS IS PROHIBITED.
- FINISHING:
  - INTERIOR SLABS TO RECEIVE TILE WITH FULL SETTING BED: WOOD FLOOR FINISH
  - INTERIOR SLABS TO RECEIVE CARPET, RESILIENT OR SEAMLESS FLOORING, OR THIN SET CERAMIC TILE: STEEL TROWEL FINISH
  - EXTERIOR SLABS: BROOM FINISH PERPENDICULAR TO PEDESTRIAN TRAFFIC
- PROVIDE CONTROL AND CONSTRUCTION JOINTS BY DETAIL AND SPECIFICATION REQUIREMENTS. SHOW LOCATION ON REINFORCING SUBMITTAL FOR COORDINATION WITH FLOORING, EQUIPMENT AND OTHER CONTRACTOR REQUIREMENTS.
  - SLABS SAW-CUT CONTROL JOINTS AS SOON AS CONCRETE HAS HARDENED ENOUGH TO WALK ON SURFACE WITHOUT DAMAGING CONCRETE AND NO MORE THAN 4 HOURS AFTER FINAL TROWEL. JOINT SPACING SHALL, UNLESS NOTED OTHERWISE, NOT EXCEED 36 TIMES THE SLAB THICKNESS OR 18 FEET
  - WALLS CONTROL JOINTS: NOT EXCEEDING 20 FEET AND AT EACH INTEGRAL PLASTER; CONSTRUCTION JOINTS AT 80 FEET OF MAXIMUM SPACING.

## E. CONCRETE REINFORCEMENT

- SHOP DRAWINGS SHALL BE PROVIDED PRIOR TO START OF CONCRETE PLACING AND BE IN ACCORDANCE WITH:
  - ACI 301
  - ACI 315 "DETAILS AND DETAILING OF CONCRETE REINFORCEMENT"
  - ACI SP-86 "ACI DETAILING MANUAL"
  - CRSI MSP "MANUAL OF STANDARD PRACTICE"SHOW ALL SLABS IN PLAN AND ALL WALLS IN ELEVATION WITH OPENINGS AND PENETRATIONS SHOWN BASED ON MEP COORDINATION SUBMITTALS AND ARCHITECTURAL REQUIREMENTS. SUBMIT PROPOSED CONTROL AND CONSTRUCTION JOINTS FOR REVIEW ON REINFORCING SUBMITTALS
- REINFORCING STEEL SHALL BE DEFORMED BARS CONFORMING TO ASTM A615 GRADE 60, STEEL BARS PER ASTM A305, UNLESS NOTED OTHERWISE.
- FIELD BENDING OR REINFORCEMENT SHALL CONFORM TO ACI 301, INCLUDING PRE-HEAT REQUIREMENTS.
- WELDED WIRE FABRIC (WWF) SHALL CONFORM TO ASTM A185 WITH A MINIMUM ULTIMATE TENSILE STRENGTH OF 70,000 PSI. LAP ONE CROSS WIRE SPACING PLUS 2". SUPPORT MESH ON CHAIRS PER CRSI WITH #4 AT 4'-0"oc, EACH WAY.
- PROVIDE MINIMUM CONCRETE COVER TO REINFORCEMENT AS FOLLOWS, UNLESS OTHERWISE NOTED:
  - BOTTOM OF FOOTINGS AND SLABS-ON-GRADE: 3"
  - SIDES OF FOOTINGS: 2"
  - FOUNDATION WALLS, FROST WALLS, RETAINING WALLS, PIT WALLS: 2"
  - EXTERIOR WALLS (EXPOSED TO WEATHER): 2"
  - FACES OF WALLS OTHER THAN THOSE NOTED ABOVE: 3/4"
  - FOUNDATION PIERS: 2" TO TIES
- ALL LAPS SHALL BE FULL TENSION LAPS (CLASS B SPLICE) UNLESS SPECIFICALLY NOTED OTHERWISE. DOWELS SHALL MATCH SIZE AND SPACING OF MAIN REINFORCEMENT, UNLESS OTHERWISE NOTED.  
CHAIRS AND SPACERS SHALL BE PLACED TO ADEQUATELY SUPPORT REINFORCING DURING PLACEMENT. FOREIGN MATERIALS SUCH AS WOOD, CLAY BRICK OR OTHER UNSUITABLE SUPPORTS SHALL NOT BE USED TO SUPPORT REINFORCING. SET WIRE TIES SO ENDS ARE DIRECTED INTO CONCRETE WHERE CONCRETE WILL BE EXPOSED. DO NOT USE CONCRETE SUPPORTS OR PUDDLING FOR SLABS UNLESS SUBMITTED AND ACCEPTABLY REVIEWED.

## F. CONCRETE FORMWORK

- CONCRETE FORMS SHALL BE CLEAN AND FREE FROM DEBRIS. IF FORMS ARE COATED WITH A VEGETABLE BASED (SOY) RELEASE AGENT, WHICH SHALL NOT STAIN CONCRETE OR ABSORB MOISTURE OR IMPAIR NATURAL BONDING OF CONCRETE.
- COORDINATE WITH REINFORCING SUBMITTAL FOR OPENING AND ADDITIONAL REQUIREMENTS. SUBMIT, BEFORE FRAMING OPENINGS IN STRUCTURAL ELEMENTS WHICH ARE NOT INDICATED ON DRAWINGS.
- PROVIDE BRACING TO ENSURE STABILITY OF FORMWORK. FOR PLACEMENT OPERATIONS, DO NOT REMOVE FORMS OR BRACING UNTIL CONCRETE HAS GAINED SUFFICIENT STRENGTH TO CARRY ITS OWN WEIGHT AND IMPOSED LOADS.
- ALL WALL SIDES AND SLAB EDGES EXPOSED TO VIEW TO HAVE CLASS A - CLASS OF SURFACE.

TABLE 1 - CONCRETE MIXTURES

APPLICATION	EXPOSURE CLASS <sup>1</sup>	TYPE	STRENGTH	CEMENTITIOUS MATERIALS	MAX W/C	AIR CONTENT
FOOTINGS, MAT SLAB	F0, S0, P0, C1	NORMAL WEIGHT	3,000 PSI @ 28 DAYS	40% FA OR GGBFS (MAX)	0.50	N/A
FOUNDATION WALLS, RETAINING WALLS, PIERS	F2, S0, P0, C1	NORMAL WEIGHT	4,500 PSI @ 28 DAYS	15% FA OR GGBFS (MAX)	0.50	5% +/- 1.5%
INTERIOR SLABS-ON-GRADE	F0, S0, P0, C0	NORMAL WEIGHT	3,500 PSI @ 28 DAYS	25% FA OR GGBFS (MAX)	0.50	<3%
EXTERIOR SLABS-ON-GRADE	F3, S0, P0, C2	NORMAL WEIGHT	5,000 PSI @ 28 DAYS	15% FA OR GGBFS (MAX)	0.40	5% +/- 1.5%

### NOTES:

- EXPOSURE CLASS REFERENCES ACI 318-14 TABLE 19.3.1.1. CONCRETE SHALL BE PROPORTIONED TO COMPLY WITH REQUIREMENTS PROVIDED IN ACI 318-14 TABLES 19.3.2.1 AND 19.3.3.1 WITH RESPECT TO EXPOSURE CLASS.
- DO NOT POWER TROWEL SLABS WITH ENTRAINED AIR.

## G. POST-INSTALLED ANCHORS INTO CONCRETE AND MASONRY

- WHERE A MANUFACTURER'S ANCHORS IS SPECIFICALLY CALLED OUT ON THE DRAWINGS, IT SHALL BE CONSIDERED THE DESIGN BASIS FOR THE REQUIRED ANCHOR. ALTERNATES MEETING OR EXCEEDING ANCHOR SYSTEM DEMANDS, INCLUDING, BUT NOT LIMITED TO CAPACITY LOADING, EDGE DISTANCE, SUBSTRATE THICKNESS FOR CONNECTION ELEMENTS AND BASE MATERIAL SHALL BE SUBMITTED FOR PROPOSED USE PENDING ACCEPTABLE REVIEW. SUBMIT ICC-ES CODE REPORTS.
- ADHESIVE ANCHORS, WHERE NOT SPECIFICALLY DETAILED, SHALL BE:
  - FOR CONCRETE AND CONCRETE MASONRY: HILTI HIT HY-200
  - FOR EXISTING BRICK MASONRY: HILTI HIT-HY-210INSTALL IN ACCORDANCE WITH MANUFACTURERS' SPECIFICATIONS. USE 3/4 INCH DIAMETER AT MINIMUM EMBEDMENT UNLESS OTHERWISE INDICATED BY DETAIL. SEE NOTE 1.
- EXPANSION ANCHORS, WHERE NOT SPECIFICALLY DETAILED, SHALL BE:
  - FOR CONCRETE: HILTI KWIK BOLT Z
  - FOR MASONRY: HILTI KWIK BOLT 3INSTALL IN ACCORDANCE WITH MANUFACTURERS' SPECIFICATIONS. USE 3/4 INCH DIAMETER AT MINIMUM EMBEDMENT UNLESS OTHERWISE INDICATED BY DETAIL. SEE NOTE 1.

## H. STRUCTURAL STEEL

- UNLESS OTHERWISE NOTED, STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING:
  - PLATES AND OTHER HOT-ROLLED SHAPES: ASTM A36 (FY = 36 KSI)
  - ROUND TUBES: ASTM A500 GRADE B (FY = 42 KSI)
  - ANCHOR BOLTS: ASTM F1554 GRADE 36
  - BOLTS, NUTS AND WASHERS: ASTM A325 TYPE 1 BOLTS, ASTM A563 DH HEAVY HEX NUTS WITH ASTM F436 HARDENED WASHERS. PROVIDE BOLT ASSEMBLIES GALVANIZED TO ASTM A153 AT GALVANIZED STRUCTURAL MEMBERS.
- SUBMITTALS FOR REVIEW
  - SHOP DRAWINGS: INDICATE PROFILES AND SIZES OF STRUCTURAL MEMBERS. SHOW CONNECTION DETAILS.
- DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL SHALL BE IN ACCORDANCE WITH THE "MANUAL OF STEEL CONSTRUCTION", 14TH EDITION, BY THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION, AND THE STRUCTURAL WELDING CODE (AWS D1.1) LATEST EDITION, BY THE AMERICAN WELDING SOCIETY.
- ALL STRUCTURAL SHOP AND FIELD WELDING SHALL BE MADE WITH ELECTRODES DESIGNED BY E70XX LOW HYDROGEN, IN ACCORDANCE WITH AWS D1.1, PERFORMED BY CERTIFIED WELDERS.
- GROUT: NON-SHRINK TYPE, PRE-MIXED COMPOUND CONSISTING OF NON-METALLIC AGGREGATE CEMENT, WATER REDUCING AND PLASTICIZING ADDITIVES, CAPABLE OF DEVELOPING A MINIMUM COMPRESSIVE STRENGTH OF 7,000 PSI AT 28 DAYS AS MANUFACTURED BY FIVE STAR PRODUCTS, INC., FAIRFIELD, CT, OR APPROVED EQUIVALENT.
- SHOP AND TOUCH-UP PRIMER: TNEMIC SERIES F188 OR APPROVED EQUIVALENT.
- TOUCH-UP PRIMER FOR GALVANIZED SURFACES: TNEMIC SERIES 37, ZINC RICH RED APPROVED EQUIVALENT.
- FINISH
  - WHERE INDICATED, STRUCTURAL STEEL MEMBERS ARE TO BE GALVANIZED IN ACCORDANCE WITH ASTM A123. PROVIDE MINIMUM 1.25 OZ/SQ FT GALVANIZED COATING. ALL MEMBERS EXPOSED TO THE EXTERIOR OR EXTENDING THROUGH AND BEYOND BUILDING ELEMENT SHALL BE GALVANIZED
- ERECTION
  - ALLOW FOR ERECTION LOADS, AND FOR SUFFICIENT TEMPORARY BRACING TO MAINTAIN STRUCTURE SAFE, PLUMB, AND IN TRUE ALIGNMENT UNTIL COMPLETION OF ERECTION AND INSTALLATION OF PERMANENT BRACING.
  - FIELD WELD COMPONENTS INDICATED ON DRAWINGS AND SHOP DRAWINGS
  - DO NOT FIELD CUT OR ALTER STRUCTURAL MEMBERS WITHOUT APPROVAL OF ARCHITECT/ENGINEER
  - AFTER ERECTION PRIME WELDS, ABRASIONS, AND SURFACES NOT SHOP PRIMED, EXCEPT SURFACES TO BE IN CONTACT WITH CONCRETE.
  - GROUT UNDER BASE PLATES WITH NON-SHRINK GROUT WITH MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 7,000 PSI.

## I. WOOD FRAMING NOTES

- UNLESS OTHERWISE SPECIFIED, EACH PIECE OF LUMBER SHALL BEAR THE GRADE MARK, STAMP, OR OTHER IDENTIFYING MARKS INDICATING GRADES OF MATERIAL, AND RULES OR STANDARDS UNDER WHICH PRODUCED. SUCH IDENTIFYING MARKS ON A MATERIAL SHALL BE IN ACCORDANCE WITH THE RULE OR STANDARD UNDER WHICH MATERIAL IS PRODUCED, INCLUDING REQUIREMENTS FOR QUALIFICATIONS AND AUTHORITY OF THE INSPECTION ORGANIZATION, USAGE OF AUTHORIZED IDENTIFICATION, AND INFORMATION INCLUDED IN THE IDENTIFICATION. THE INSPECTION AGENCY FOR LUMBER SHALL BE APPROVED BY THE BOARD OF REVIEW, AMERICAN LUMBER STANDARDS COMMITTEE, TO GRADE SPECIES USED.
  - PROTECT LUMBER AND OTHER PRODUCTS FROM DAMPNESS BOTH DURING AND AFTER DELIVERY AT THE SITE. PILE PLYWOOD AND LUMBER IN STACKS IN SUCH A MANNER AS TO PROVIDE ADEQUATE AIR CIRCULATION AND TO PREVENT WARPING. LOCATE STACKS IN WELL DRAINED AREAS, SUPPORTED AT LEAST SIX INCHES ABOVE GRADE AND COVER WITH WELL VENTILATED SHEDS HAVING A FIRMLY CONSTRUCTED OVERHANGING ROOF AS WELL AS SUFFICIENT END WALL TO PROTECT LUMBER FROM DRIVING RAIN.
  - STORE SEASONED MATERIALS IN DRY PORTIONS OF BUILDING.
  - PROTECT SHEET MATERIALS FROM CORNERS BREAKING AND DAMAGING SURFACES WHILE UNLOADING.
  - NOMINAL SIZES ARE INDICATED EXCEPT AS SHOWN BY DETAIL DIMENSIONS. PROVIDE ACTUAL SIZES AS REQUIRED BY PRODUCT STANDARD 20, DEPARTMENT OF COMMERCE.
  - MAXIMUM MOISTURE CONTENT SHALL NOT EXCEED 19%.
  - LIGHT GAGE METAL CONNECTIONS SHALL BE SIMPSON STRONG-TIE.
- LUMBER GRADES:
- 2x6 AND 2x4 BEARING WALLS, INTERIOR AND EXTERIOR LOCATIONS: SPRUCE-PINE-FIR No. 1 / No. 2 AS GRADED BY NLGA
  - STRUCTURAL ROOF AND FLOOR FRAMING: SPRUCE-PINE-FIR No. 1 / No. 2 AS GRADED BY NLGA
  - PRESERVATIVE PRESSURE TREATED LUMBER: SOUTHERN PINE No. 2, AS GRADED BY SP1B
- MISCELLANEOUS LUMBER: PROVIDE WOOD FOR SUPPORT OR ATTACHMENT OF THE WORK INCLUDING NON-BEARING PARTITIONS, CANT STRIPS, BUCKS, NAILERS, BLOCKING, FURRING, GROUNDS, STRIPPING AND SIMILAR MEMBERS. PROVIDE LUMBER OF SIZES AND SHAPES INDICATED. GRADE: SPRUCE-PINE-FIR STUD GRADE AS GRADED BY NLGA.

### MATERIALS:

- ROOF SHEATHING: 3/4" ADVANTECH SHEATHING, 24"oc SPAN RATING, EXPOSURE DURABILITY 1; SANDED. SECURE SHEATHING WITH LONGER EDGE PERPENDICULAR TO FRAMING MEMBERS AND WITH ENDS STAGGERED AND SHEET ENDS OVER BEARING. USE SHEATHING CLIPS BETWEEN SHEETS BETWEEN ROOF FRAMING MEMBERS.
- FLOOR SHEATHING: 3/4" ADVANTECH SHEATHING, 24"oc SPAN RATING, 2-SPAN MINIMUM. SECURE SUB-FLOOR SHEATHING WITH LONGER EDGE PERPENDICULAR TO FLOOR FRAMING AND WITH END JOINTS STAGGERED AND SHEET ENDS OVER BEARING. ATTACH WITH SUB-FLOOR GLUE AND 8D NAILS AT 6" ON CENTER AT PERIMETER AND 12" ON CENTER ON INTERIOR OF PANEL.
- WALL SHEATHING: 1/2" APA RATED OR ZIP SHEATHING. SECURE WALL SHEATHING WITH LONG DIMENSION PERPENDICULAR TO WALL STUDS, WITH ENDS OVER FIRM BEARING AND STAGGERED.
- FASTENERS AND ANCHORS: FURNISH ITEMS OF ROUGH HARDWARE, METAL CONNECTORS, BOLTS, ETC, REQUIRED TO COMPLETE THE WORK. BOLTS, NUTS AND WASHERS SHALL BE HOT DIPPED ELECTRO GALVANIZED STEEL.
- SET STRUCTURAL MEMBERS LEVEL AND PLUMB, IN CORRECT POSITION. PLACE HORIZONTAL MEMBERS, CROWN SIDE UP.
- MAKE PROVISIONS FOR ERECTION LOADS, AND FOR SUFFICIENT TEMPORARY BRACING TO MAINTAIN STRUCTURE SAFE, PLUMB, AND IN TRUE ALIGNMENT UNTIL COMPLETION OF ERECTION AND INSTALLATION OF PERMANENT BRACING.
- CONSTRUCT LOAD BEARING FRAMING FULL LENGTH WITHOUT SPLICES.
- DOUBLE MEMBERS AT OPENINGS OVER 24 INCHES WIDE. SPACE SHORT STUDS OVER AND UNDER OPENING TO STUD SPACING.
- BRIDGE JOISTS FRAMING IN EXCESS OF 8 FEET SPAN AT MID-SPAN AND WHERE SHOWN ON DRAWINGS. FIT SOLID BLOCKING OR BRIDGING AT ENDS OF MEMBERS.
- TOLERANCES:
  - FRAMING MEMBERS: 1/4 INCH FROM TRUE POSITION, MAXIMUM.
  - SURFACE FLATNESS OF FLOOR: 1/4 INCH IN 10 FEET MAXIMUM, AND 1/2 INCH IN 30 FEET MAXIMUM.
- ALL POSTS AND COLUMNS FROM HEADERS AND BEAMS SHALL BEAR CONTINUOUSLY TO CONCRETE FOUNDATIONS INCLUDING BLOCKING IN FLOOR AND ROOF SPACES. BLOCKING SHALL BE OF THE SIZE AND SHAPE TO CARRY THE REQUIRED LOADING.
- ALL BOTTOM BEARING PLATES, FOR STUD WALLS OR BEAM BEARING, SHALL BE ANCHORED TO THE FOUNDATION WITH 1/2" DIAMETER ANCHOR BOLTS AT 4'-0" ON CENTER, UNLESS NOTED OTHERWISE.
- ALL BEARING WALLS SHALL BE BLOCKED AT 4'-0" ON CENTER, VERTICALLY, UNLESS NOTED OTHERWISE.
- ALL WOOD IN CONTACT WITH CONCRETE SHALL BE PRESERVATIVE PRESSURE TREATED, P.P.T.
- ALL FASTENERS AND HANGERS FOR PRESSURE TREATED WOOD TO BE 690 HOT-DIPPED GALVANIZED.
- PROVIDE 1/4" NOMINAL GAP BETWEEN WOOD FRAMING AND HORIZONTAL FACES OF CONCRETE WALLS.

## BASIS OF DESIGN

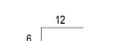
- BUILDING CODE: 2015 VERMONT FIRE AND BUILDING SAFETY CODE  
2015 INTERNATIONAL BUILDING CODE
- DEAD LOADS:
  - ROOF DEAD LOAD: 15 PSF
  - FLOOR DEAD LOAD: 15 PSF
- LIVE LOADS:
  - ROOF LIVE LOAD: SNOW LOAD GOVERNS
  - FLOOR LIVE LOAD: 100 PSF (STAIRS AND EXITS)
- ROOF SNOW LOAD:
  - GROUND SNOW LOAD, P<sub>g</sub>: 50 PSF
  - FLAT ROOF SNOW LOAD, P<sub>f</sub>: 40 PSF
  - SNOW EXPOSURE FACTOR, C<sub>e</sub>: 1.0
  - SNOW LOAD IMPORTANCE FACTOR, I: 1.0
  - THERMAL FACTOR, C<sub>t</sub>: 1.0 AT VESTIBULE, 1.2 AT BRIDGE
- WIND DESIGN DATA:
  - BASIC WIND SPEED (3-SECOND GUST), V: 115 MPH
  - WIND EXPOSURE: B
  - INTERNAL PRESSURE COEFFICIENTS: +/- 0.18
  - COMPONENTS AND CLADDING WIND PRESSURE: PER ASCE 7
- EARTHQUAKE DESIGN DATA:
  - SEISMIC IMPORTANCE FACTOR, I: 1.00
  - OCCUPANCY CATEGORY: II
  - MAPPED SPECTRAL RESPONSE ACCELERATION, S<sub>s</sub>: 0.316
  - MAPPED SPECTRAL RESPONSE ACCELERATION S<sub>1</sub>: 0.099
  - DI (PRESUMED) D
  - SPECTRAL RESPONSE COEFFICIENT, S<sub>DS</sub>: 0.326
  - SPECTRAL RESPONSE COEFFICIENT, S<sub>1S</sub>: 0.158
  - SEISMIC DESIGN CATEGORY: C
  - BASIC SEISMIC-FORCE-RESISTING SYSTEM: LIGHT-FRAME (WOOD) WALLS SHEATHED WITH WOOD STRUCTURAL PANELS RATED FOR SHEAR RESISTANCE WIND GOVERNS
  - DESIGN BASE SHEAR:
- ALLOWABLE SOIL BEARING PRESSURE: 4,000 PSF (PRESUMPTIVE, IBC 1806, VERIFY IN FIELD)

## ABBREVIATIONS

AFB	ABOVE FINISH FLOOR	o/c	ON CENTER
DWG	DRAWING	PL	PLATE
EL	ELEVATION	TYP.	TYPICAL
EQ	EQUAL	U.N.O.	UNLESS NOTED OTHERWISE
EX	EXISTING	V.I.F.	VERIFY IN FIELD
FND	FOUNDATION	W.P.	WORK POINT

## DRAWING LEGEND

NOTE: NOT ALL SYMBOLS AND NOTATIONS USED

	NORTH ARROW		CONCRETE
	ELEVATION		GROUT
	SECTION NUMBER DRAWING WHERE SHOWN		CRUSHED STONE
	DECK SPAN DIRECTION		STRUCTURAL FILL
	SLOPE DIRECTION, and MAGNITUDE		RIGID INSULATION
	ROOF PITCH		WOOD
	OPENING		UNDISTURBED SUBGRADE

## J. DEFERRED SUBMITTALS

- IN ACCORDANCE WITH REQUIREMENTS LISTED BY THE DRAWINGS AND SPECIFICATIONS, DEFERRED SUBMITTALS AS DEFINED BY THE IBC ARE REQUIRED FOR THE CONDUCTANCE OF THIS PROJECT. THESE SUBMITTALS REQUIRE ACCEPTABLE REVIEW BY THE ARCHITECT AND/OR ENGINEER-OF-RECORD (EOR) AS WELL AS PRESENTATION OF REVIEWED "RECORD" SUBMITTALS TO THE AHJ AT THEIR DISCRETION AND FOR THEIR ACCEPTANCE.
- DEFERRED SUBMITTALS ARE SPECIFIED TO INCLUDE CALCULATIONS AND DRAWINGS PREPARED UNDER THE AUSPICES OF AN APPROPRIATELY LICENSED (SPECIALTY) ENGINEER. SUBMITTALS INDICATE CODE (MINIMUM) OR SPECIFIED LOAD TYPE, MAGNITUDES, AND LOCATIONS; FRAMING AND CONNECTION TYPES AND CONFIGURATIONS; INCLUDING ATTACHMENT TO PRIMARY OR BASE STRUCTURE FRAMING.
- THE PURPOSE OF THE EOR'S REVIEW OF THE SUBMITTALS CONCERNS THAT THE SUBMITTAL DRAWINGS AND CALCULATIONS ARE PROPERLY SEALED; THAT THE LOAD CRITERIA GENERALLY CONFORM TO THE SPECIFIED DESIGN BASIS AND CODE; THAT CONNECTION LOADS AND CONFIGURATIONS TO THE PRIMARY OR BASE STRUCTURE ARE COMPATIBLE WITH THE STRUCTURAL DESIGN AND CODE REQUIREMENTS.
- THE EOR RELIES ON THE (SPECIALTY) ENGINEER'S SEAL AS CERTIFICATION THAT THE DEFERRED SUBMITTAL ITEMS COMPLY WITH SPECIFIED AND CODE CRITERIA. THE EOR IS NOT RESPONSIBLE FOR THE ADEQUACY OR EFFECTS OF THE (SPECIALTY) ENGINEER'S DESIGN. DESIGN OF TEMPORARY SHORING AND BRACING AS WELL AS TESTING AND INSPECTIONS THAT REQUIRE THE SUPERVISION OF A LICENSED ENGINEER, SUCH AS FOUNDATION SUBGRADE REVIEW, ARE NOT CONSIDERED DEFERRED SUBMITTALS.
- DEFERRED STRUCTURAL SUBMITTAL ITEMS INCLUDE, BUT ARE NOT LIMITED TO THE FOLLOWING:
  - UNDERPINNING



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DATE ISSUED: 04/30/23

Drawn: JTM

Checked: JLR

REVISIONS:

ISSUED FOR  
CONSTRUCTION



F.V.O.H. ALL  
ACCESS

120 Main St, Vergennes,  
VT 05491

GENERAL NOTES.  
BASIS OF DESIGN

S-0.1

## Statement of Special Inspections

Project: *F.V.O.H. All Access*

Location: *Vergennes, VT*

Owner: *Friends of Vergennes Opera House*

Design Professional in Responsible Charge: *Engineering Ventures, PC*

This *Statement of Special Inspections* is submitted as a condition for permit issuance in accordance with the Special Inspection and Structural Testing requirements of the Building Code. It includes a schedule of Special Inspection services applicable to this project as well as the name of the Special Inspection Coordinator and the identity of other approved agencies to be retained for conducting these inspections and tests. This *Statement of Special Inspections* encompasses the following disciplines:

- Structural  Mechanical/Electrical/Plumbing  
 Architectural  Other: \_\_\_\_\_

The Special Inspection Coordinator shall keep records of all inspections and shall furnish inspection reports to the Building Official and the Registered Design Professional in Responsible Charge. Discovered discrepancies shall be brought to the immediate attention of the Contractor for correction. If such discrepancies are not corrected, the discrepancies shall be brought to the attention of the Building Official and the Registered Design Professional in Responsible Charge. The Special Inspection program does not relieve the Contractor of his or her responsibilities.

Interim reports shall be submitted to the Building Official and the Registered Design Professional in Responsible Charge.

A *Final Report of Special Inspections* documenting completion of all required Special Inspections, testing and correction of any discrepancies noted in the inspections shall be submitted prior to issuance of a Certificate of Use and Occupancy.

Job site safety and means and methods of construction are solely the responsibility of the Contractor.

Prepared by:

Julie Reilly  
Engineering Ventures, PC  
3/15/2023

## SCHEDULE OF INSPECTION AND TESTING AGENCIES

THE STATEMENT OF SPECIAL INSPECTIONS/QUALITY ASSURANCE PLAN INCLUDES THE FOLLOWING BUILDING SYSTEMS:

- SOILS AND FOUNDATIONS
- CAST-IN-PLACE CONCRETE
- WOOD CONSTRUCTION

SPECIAL INSPECTION AGENCY	FIRM	ADDRESS, TELEPHONE
STRUCTURAL ENGINEER OF RECORD	ENGINEERING VENTURES, P.C.	208 FLYNN AVE, SUITE 2A BURLINGTON, VT 05401 TEL: 802-863-6225
ARCHITECT OF RECORD	VERMONT INTEGRATED ARCHITECTURE, PC	PO BOX 862 MIDDLEBURY, VT 05753 TEL: 802-989-7249
GEOTECHNICAL ENGINEER	TBD	
SPECIAL INSPECTION COORDINATOR	TBD	
INSPECTOR	TBD	
TESTING AGENCY	TBD	

NOTE: THE INSPECTORS AND TESTING AGENCIES SHALL BE ENGAGED BY THE OWNER OR THE OWNER'S AGENT, AND NOT BY THE CONTRACTOR OR SUBCONTRACTOR WHOSE WORK IS TO BE INSPECTED OR TESTED. ANY CONFLICT OF INTEREST MUST BE DISCLOSED TO THE BUILDING OFFICIAL, PRIOR TO COMMENCING WORK.

## QUALITY ASSURANCE PLAN

### QUALITY ASSURANCE FOR SEISMIC RESISTANCE

SEISMIC DESIGN CATEGORY - C  
QUALITY ASSURANCE PLAN REQUIRED (Y/N) - N

DESCRIPTION OF SEISMIC FORCE RESISTING SYSTEM AND DESIGNATED SEISMIC SYSTEMS:  
*LIGHT-FRAME (WOOD) WALLS SHEATHED WITH WOOD STRUCTURAL PANELS RATED FOR SHEAR RESISTANCE*

### QUALITY ASSURANCE FOR WIND REQUIREMENTS

BASIC WIND SPEED - 3 SECOND GUST,  $V_{ULT}$  - 115 MPH  
WIND EXPOSURE CATEGORY - B

QUALITY ASSURANCE PLAN REQUIRED (Y/N) - N

DESCRIPTION OF WIND FORCE RESISTING SYSTEM AND DESIGNATED WIND RESISTING COMPONENTS:  
*LIGHT-FRAME (WOOD) WALLS SHEATHED WITH WOOD STRUCTURAL PANELS RATED FOR SHEAR RESISTANCE*

## QUALIFICATIONS OF INSPECTORS AND TESTING TECHNICIANS

THE QUALIFICATIONS OF ALL PERSONNEL PERFORMING SPECIAL INSPECTION AND TESTING ACTIVITIES ARE SUBJECT TO THE APPROVAL OF THE BUILDING OFFICIAL. THE CREDENTIALS OF ALL INSPECTORS AND TESTING TECHNICIANS SHALL BE PROVIDED IF REQUESTED.

### KEY FOR MINIMUM QUALIFICATIONS OF INSPECTION AGENTS:

WHEN THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE DEEMS IT APPROPRIATE THAT THE INDIVIDUAL PERFORMING A STIPULATED TEST OR INSPECTION HAVE A SPECIFIC CERTIFICATION OR LICENSE AS INDICATED BELOW, SUCH DESIGNATION SHALL APPEAR BELOW THE AGENCY NUMBER ON THE SCHEDULE.

PE/SE STRUCTURAL ENGINEER – A LICENSED SE OR PE SPECIALIZING IN THE DESIGN OF BUILDING STRUCTURES  
 PE/GE GEOTECHNICAL ENGINEER – A LICENSED PE SPECIALIZING IN SOIL MECHANICS AND FOUNDATIONS  
 EIT ENGINEER-IN-TRAINING – A GRADUATE ENGINEER WHO HAS PASSED THE FUNDAMENTALS OF ENGINEERING EXAMINATION

### AMERICAN CONCRETE INSTITUTE (ACI) CERTIFICATION

ACI-CFTT CONCRETE FIELD TESTING TECHNICIAN – GRADE 1  
 ACI-CCI CONCRETE CONSTRUCTION INSPECTOR  
 ACI-LT LABORATORY TESTING TECHNICIAN – GRADE 1&2  
 ACI-STT STRENGTH TESTING TECHNICIAN

### AMERICAN WELDING SOCIETY (AWS) CERTIFICATION

AWS-CWI CERTIFIED WELDING INSPECTOR  
 AWS/AISC-SSI CERTIFIED STRUCTURAL STEEL INSPECTOR

### AMERICAN SOCIETY OF NON-DESTRUCTIVE TESTING (ASNT) CERTIFICATION

ASNT NON-DESTRUCTIVE TESTING TECHNICIAN – LEVEL II OR III

### INTERNATIONAL CODE COUNCIL (ICC) CERTIFICATION

ICC-SMSI STRUCTURAL MASONRY SPECIAL INSPECTOR  
 ICC-SWSI STRUCTURAL STEEL AND WELDING SPECIAL INSPECTOR  
 ICC-SFSI SPRAY-APPLIED FIREPROOFING SPECIAL INSPECTOR  
 ICC-PCSI PRESTRESSED CONCRETE SPECIAL INSPECTOR  
 ICC-RCSI REINFORCED CONCRETE SPECIAL INSPECTOR

### NATIONAL INSTITUTE FOR CERTIFICATION IN ENGINEERING TECHNOLOGIES (NICET)

NICET-CT CONCRETE TECHNICIAN – LEVELS I, II, III & IV  
 NICET-ST SOILS TECHNICIAN - LEVELS I, II, III & IV  
 NICET-GET GEOTECHNICAL ENGINEERING TECHNICIAN - LEVELS I, II, III & IV

## SOILS AND FOUNDATIONS

ITEM	SCOPE	FREQUENCY	AGENCY (QUALIF.)
SHALLOW FOUNDATIONS	INSPECT SOILS BELOW FOOTINGS AND SLABS FOR ADEQUATE BEARING CAPACITY AND CONSISTENCY WITH GEOTECHNICAL REPORT.	PERIODIC	GT (PE/GE)
SHALLOW FOUNDATIONS	VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL.	PERIODIC	GT (PE/GE)
SHALLOW FOUNDATIONS	INSPECT PREPARATION OF SUBGRADE PRIOR TO PLACEMENT OF CONTROLLED FILL OR FOUNDATIONS.	PERIODIC	GT (PE/GE)
CONTROLLED STRUCTURAL FILL	PERFORM SIEVE TESTS (ASTM D422 & D1140) AND MODIFIED PROCTOR TESTS (ASTM D1557) OF EACH SOURCE OF FILL MATERIAL, AND DETERMINE OPTIMUM WATER CONTENT AND MAXIMUM DRY DENSITY.	PERIODIC	TA
CONTROLLED STRUCTURAL FILL	INSPECT EXTENT, COMPOSITION, PLACEMENT, LIFT THICKNESS, AND PROOF-ROLLING/COMPACTION OF CONTROLLED FILL (INCLUDING GRANULAR FILL, SAND AND GRAVEL, AND CRUSHED STONE BELOW FOOTINGS AND SLABS) IN ACCORDANCE WITH SPECIFICATIONS.	CONTINUOUS	TA

TA = TESTING AGENCY  
 EV = ENGINEERING VENTURES, PC.  
 GT = GEOTECHNICAL ENGINEER

## CAST-IN-PLACE CONCRETE

ITEM	SCOPE	FREQUENCY	AGENCY (QUALIF.)
MIX DESIGN	REVIEW CONCRETE BATCH TICKETS AND VERIFY COMPLIANCE WITH APPROVED MIX DESIGN. VERIFY THAT WATER ADDED AT THE SITE DOES NOT EXCEED THAT ALLOWED BY THE MIX DESIGN.	PERIODIC	TA ACI-CCI ICC-RCSI
REINFORCEMENT INSTALLATION	INSPECT SIZE, SPACING, COVER, POSITIONING AND GRADE OF REINFORCING STEEL. VERIFY THAT REINFORCING BARS ARE FREE OF FORM OIL OR OTHER DELETERIOUS MATERIALS. INSPECT BAR LAPS AND MECHANICAL SPLICES. VERIFY THAT BARS ARE ADEQUATELY TIED AND SUPPORTED ON CHAIRS OR BOLSTERS	PERIODIC	TA ACI-CCI ICC-RCSI
ANCHOR RODS	INSPECT SIZE, POSITIONING AND EMBEDMENT OF ANCHOR RODS. VERIFY EMBEDDED END OF ROD (INCLUDING BENDS, WASHERS, NUTS) IS IN CONFORMANCE WITH APPROVED CONSTRUCTION DOCUMENTS.	ALL ANCHOR RODS, PRIOR TO CONCRETE POUR	TA ACI-CCI ICC-RCSI
CONCRETE PLACEMENT	INSPECT PLACEMENT OF CONCRETE. VERIFY THAT CONCRETE CONVEYANCE AND DEPOSITING AVOIDS SEGREGATION OR CONTAMINATION. VERIFY THAT CONCRETE IS PROPERLY CONSOLIDATED.	CONTINUOUS	TA ACI-CCI ICC-RCSI
SAMPLING AND TESTING OF CONCRETE (IN FIELD)	TEST SLUMP (ASTM C143), AIR-CONTENT (ASTM C231 OR C173), TEMPERATURE (ASTM C1064), AND UNIT WEIGHT (ASTM C138).	CONTINUOUS	TA ACI-CFIT
SAMPLING AND TESTING OF CONCRETE (IN LAB)	TEST CONCRETE COMPRESSIVE STRENGTH (ASTM C31 & C39).	CONTINUOUS	TA ACI-SIT
CURING AND PROTECTION	INSPECT CURING AND PROTECTION PROCEDURES.	PERIODIC	TA ACI-CCI ICC-RCSI
POST-INSTALLED ANCHORS	INSPECTION OF ANCHORS AND REINFORCING STEEL POST-INSTALLED IN HARDENED CONCRETE: PER RESEARCH REPORTS INCLUDING VERIFICATION OF ANCHOR TYPE, ANCHOR DIMENSIONS, HOLE DIMENSIONS, HOLE CLEANING PROCEDURES, ANCHOR SPACING, EDGE DISTANCES, CONCRETE MINIMUM THICKNESS, ANCHOR EMBEDMENT AND TIGHTENING TORQUE.	PERIODIC OR AS REQUIRED BY THE RESEARCH REPORT ISSUED BY AN APPROVED SOURCE	TA ACI-CCI ICC-RCSI
FORMWORK	INSPECT FORMWORK FOR SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED.	PERIODIC	TA

TA = TESTING AGENCY  
 EV = ENGINEERING VENTURES, PC.

## WOOD CONSTRUCTION

ITEM	SCOPE	FREQUENCY	AGENCY (QUALIF.)
QUALITY CONTROL	FABRICATOR QUALITY CONTROL PROCEDURE SPECIFICATIONS	PRIOR TO CONSTRUCTION	EV
DIAPHRAGMS AND SHEAR WALLS	VERIFY PANEL GRADE AND THICKNESS. VERIFY FASTENER SIZE AND SPACING. VERIFY FASTENERS ARE NOT COUNTERSUNK INTO SHEATHINGS. VERIFY PANEL CONFIGURATION AND BLOCKING. VERIFY LOCATION AND TYPE OF HOLD-DOWNS AND TIES.	UPON COMPLETION OF DIAPHRAGM/SHEAR WALLS	EV

TA = TESTING AGENCY  
 EV = ENGINEERING VENTURES, PC.



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DATE ISSUED: 04/30/23

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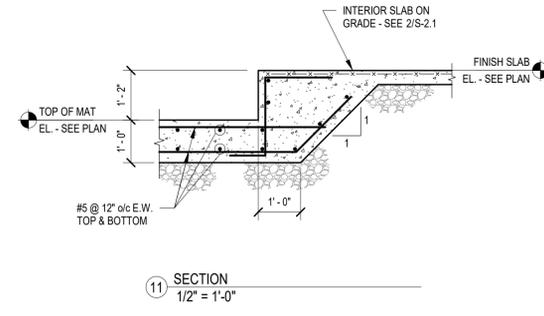
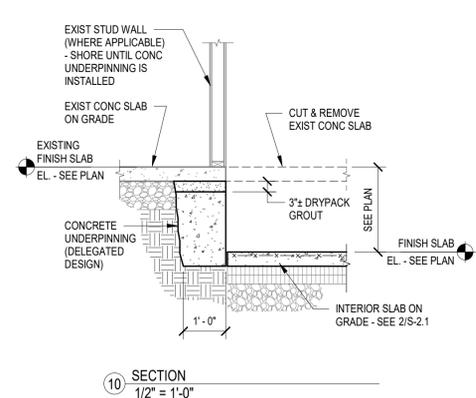
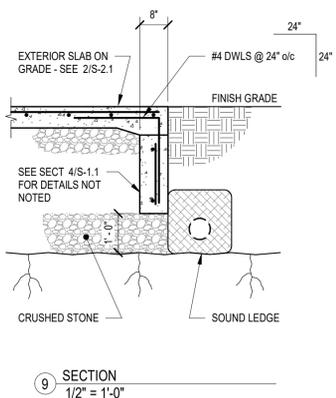
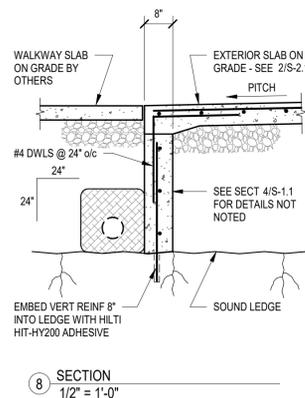
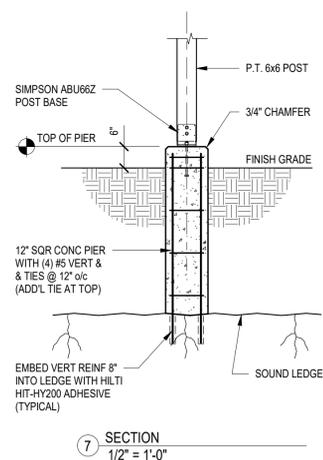
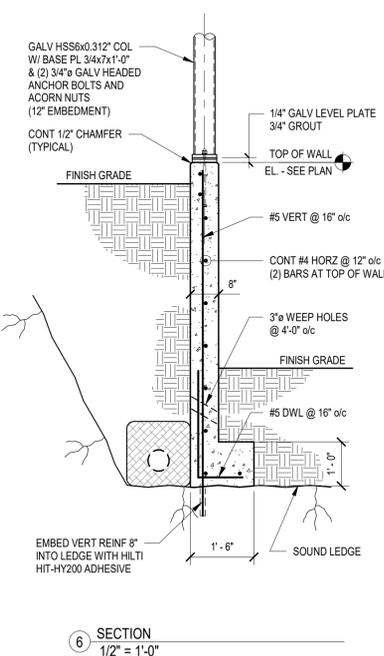
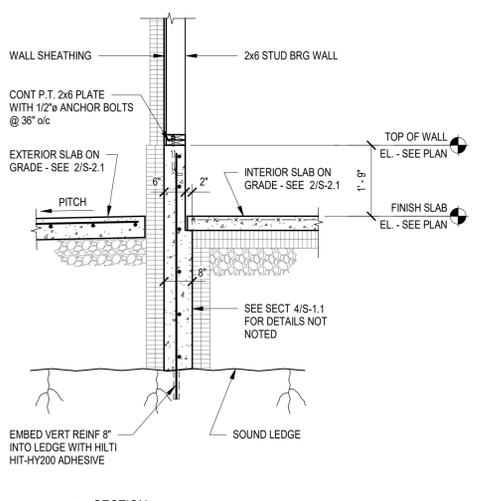
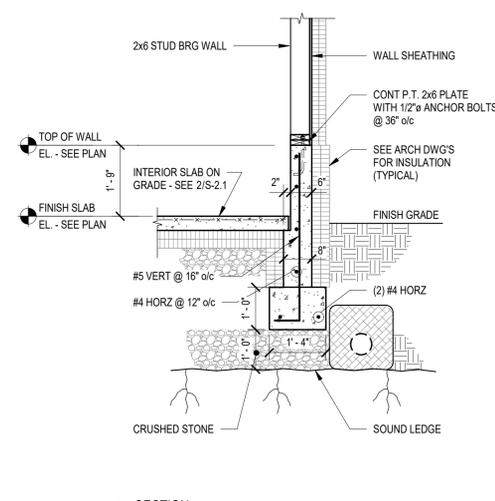
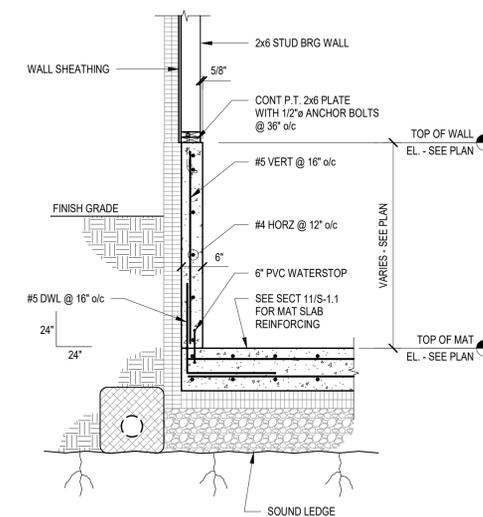
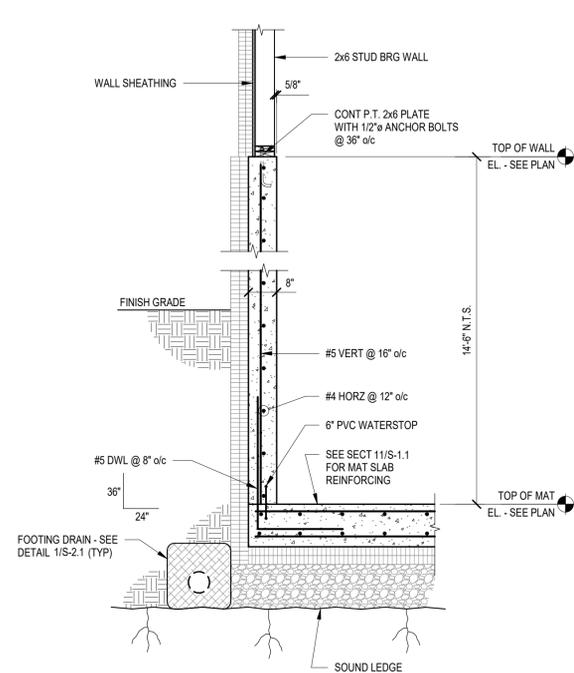
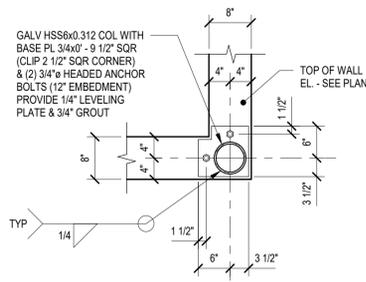
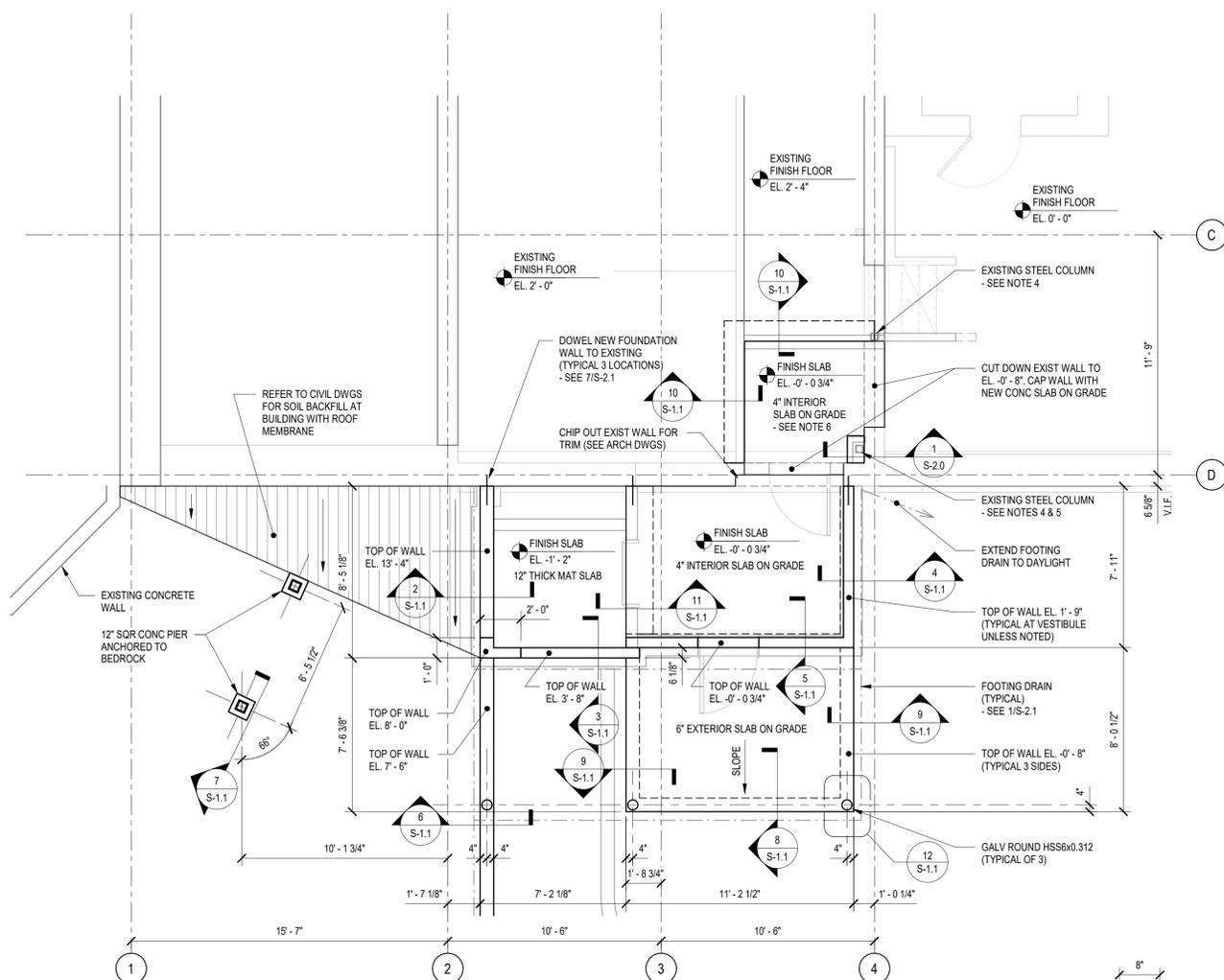


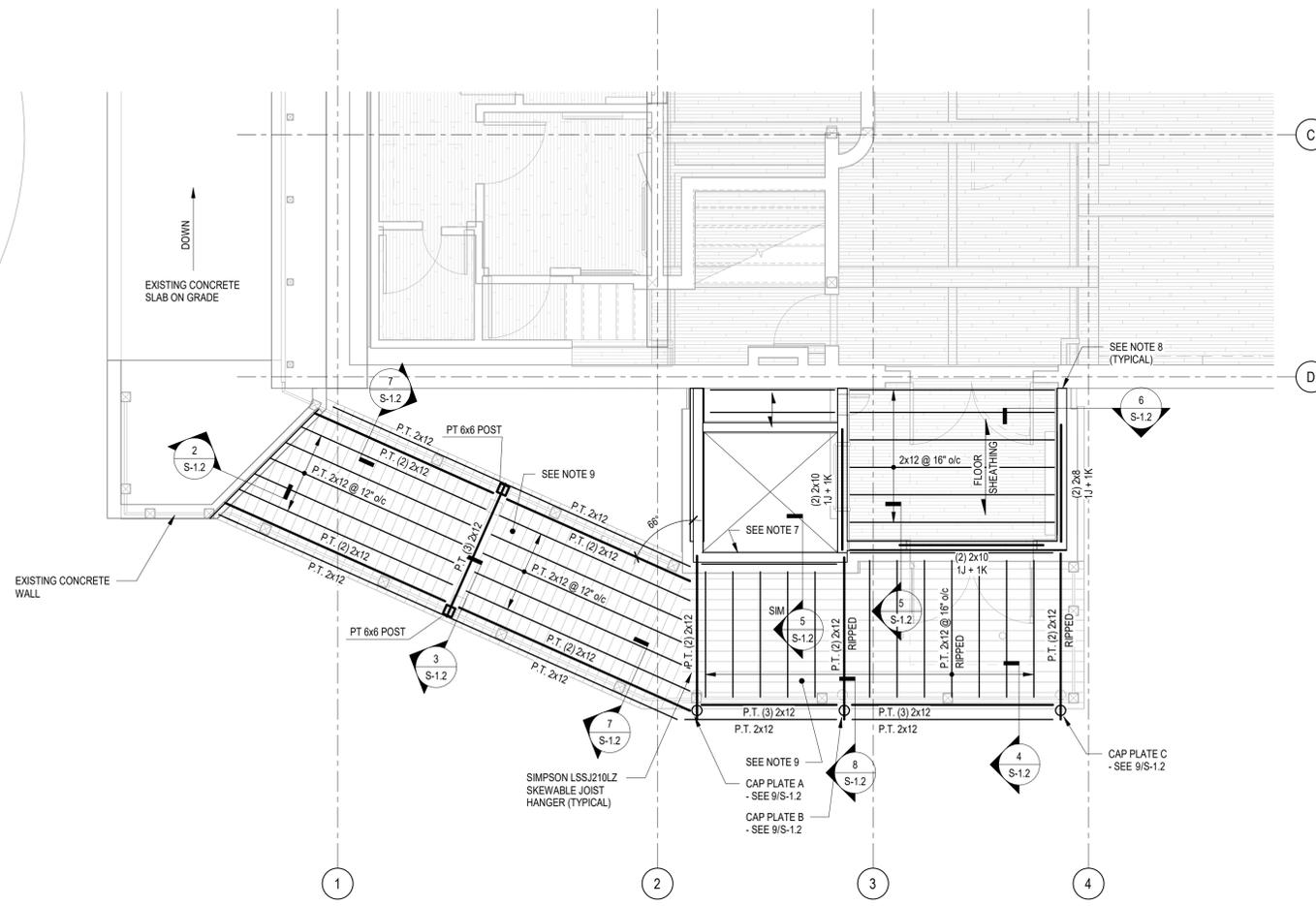
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SPECIAL INSPECTIONS & TESTING

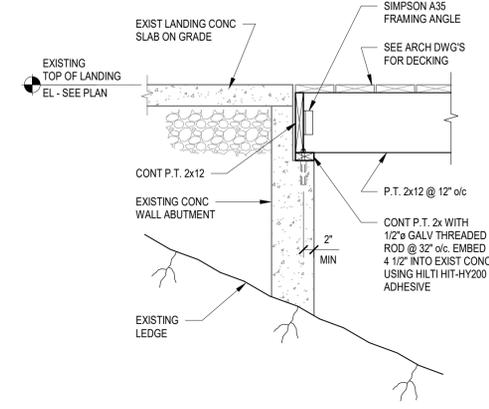
S-0.2



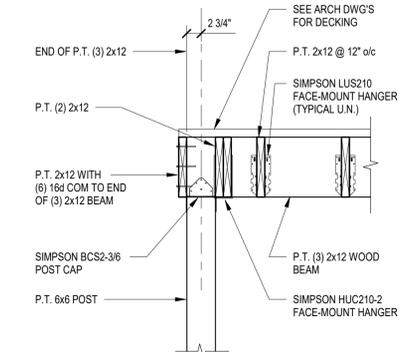


**1 AUDITORIUM FLOOR FRAMING PLAN**  
1/4" = 1'-0"

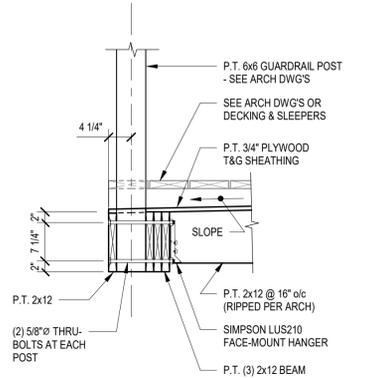
- NOTES:
- ELEVATIONS SHOWN ARE BASED ON EXISTING CITY HALL OFFICES GROUND FLOOR ELEVATION OF 0'-0".
  - VESTIBULE TOP OF SHEATHING ELEVATION = 14'-5 1/2".
  - FLOOR SHEATHING SHALL BE 3/4" APA-RATED SHEATHING FASTENED TO FRAMING WITH 8d COM (0.131" x 2 1/2") SPACED AT 6" o/c AT EDGES AND 12" o/c AT INTERMEDIATE SUPPORTS. SEE DETAIL 12/S-2.1 FOR LAYOUT.
  - BEARING WALLS SHALL BE 2x6 @ 16" o/c WITH (2) 2x6 TOP PLATES.
  - EXTERIOR WALLS TO BE SHEAR WALLS WITH 1/2" SHEATHING ON ONE SIDE. FASTENED TO FRAMING WITH 8d COM (0.131" x 2 1/2") SPACED AT 6" o/c AT EDGES AND 12" o/c AT INTERMEDIATE SUPPORTS WITH (2) 2x6 TIE DOWN STUDS AT ENDS. BOTTOM PLATE ATTACHMENT TO BE (2) 16d COM (0.182" x 3 1/2") AT 16" o/c OR 1/2" SILL ANCHORS AT 48" o/c TO FOUNDATION. SEE SHEAR WALL DETAIL 13/S-2.1.
  - "#J + #K" INDICATE NUMBER OF 2x6 JACK AND KING STUDS, RESPECTIVELY, REQUIRED.
  - PROVIDE BLOCKING FOR ELEVATOR RAIL ATTACHMENT - SEE 14/S-2.1. COORDINATE LOCATION WITH ELEVATOR SUBMITTAL.
  - 1" EXPANSION JOINT BETWEEN NEW AND EXISTING FRAMING - SEE ARCH DWGS.
  - SEE ARCH DWGS FOR WOOD DECKING AND WOOD DECKING ELEVATIONS.



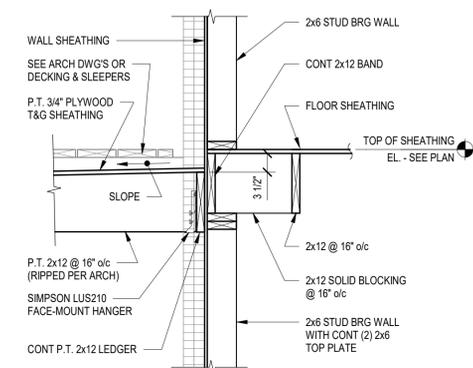
**2 SECTION**  
3/4" = 1'-0"



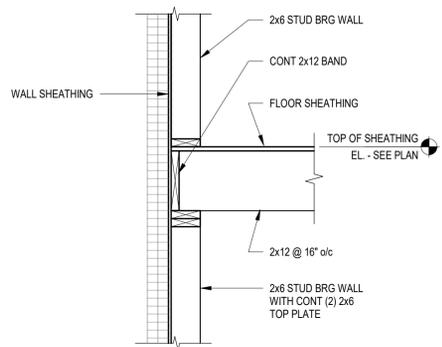
**3 SECTION**  
3/4" = 1'-0"



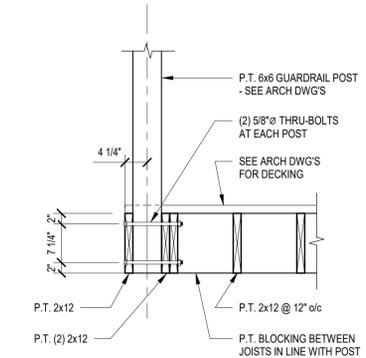
**4 SECTION**  
3/4" = 1'-0"



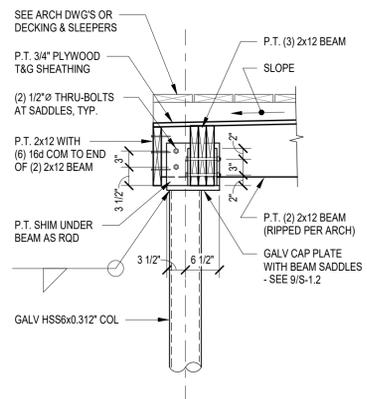
**5 SECTION**  
3/4" = 1'-0"



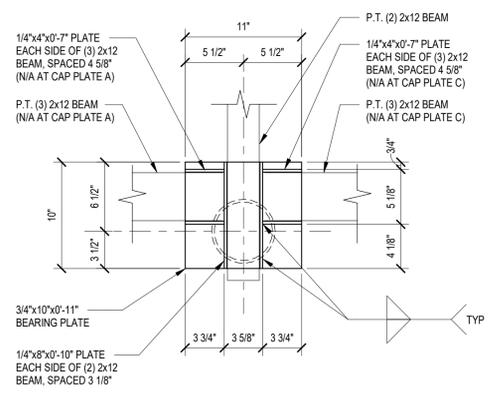
**6 SECTION**  
3/4" = 1'-0"



**7 SECTION**  
3/4" = 1'-0"



**8 SECTION**  
3/4" = 1'-0"



**9 CAP PLATE DETAIL**  
1 1/2" = 1'-0"

DATE ISSUED: 04/30/23  
Drawn: JTM  
Checked: JLR

REVISIONS:

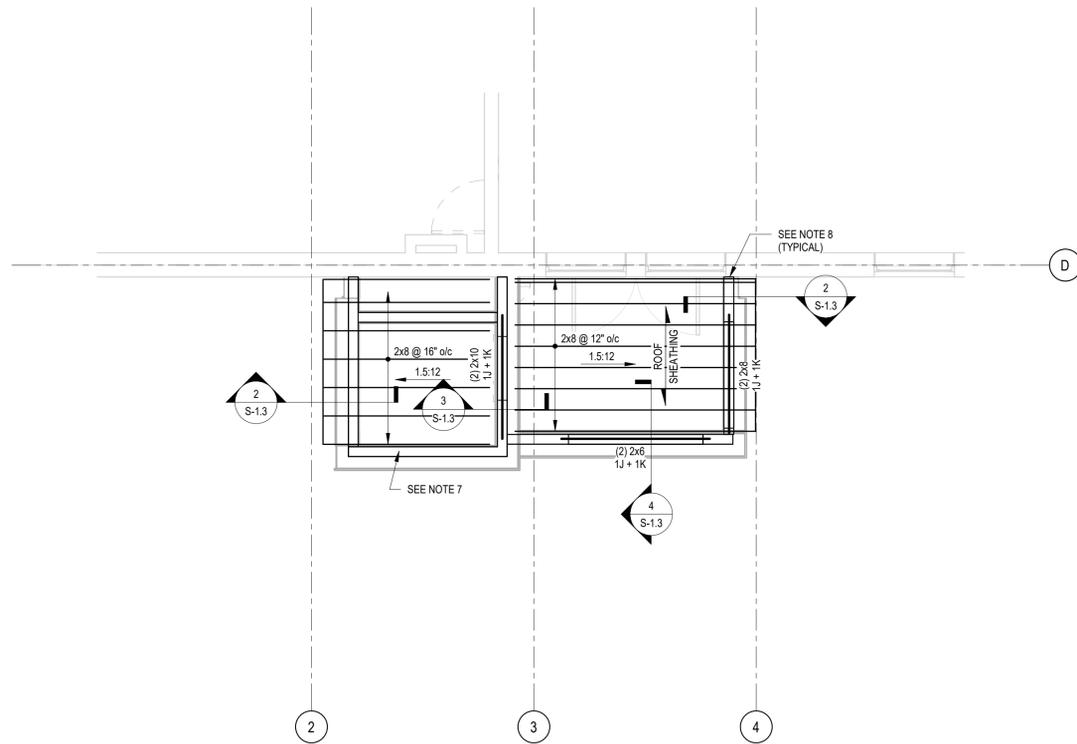
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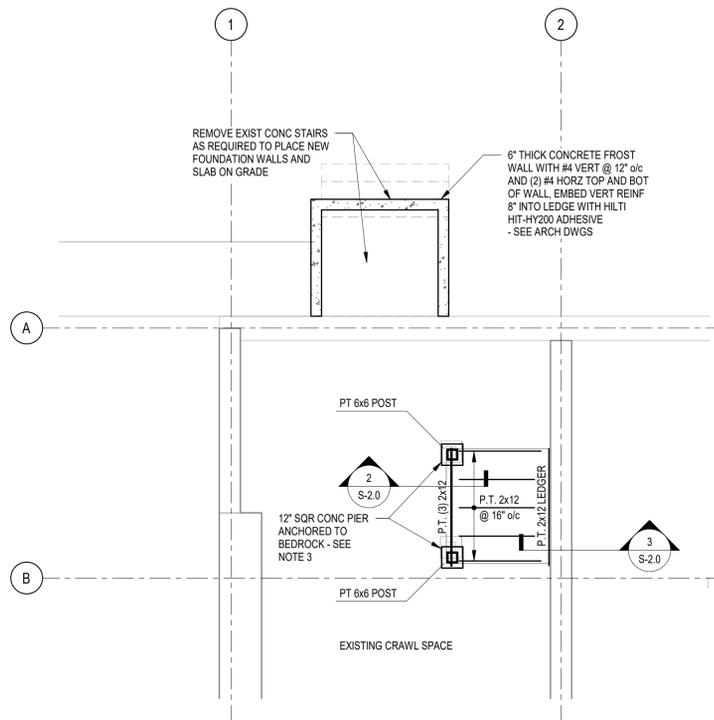


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**AUDITORIUM FLOOR FRAMING PLAN**

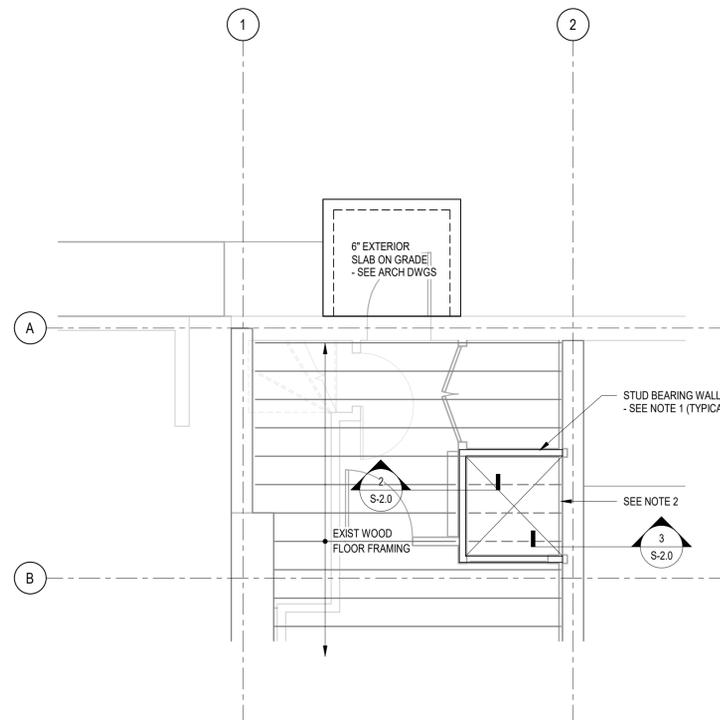
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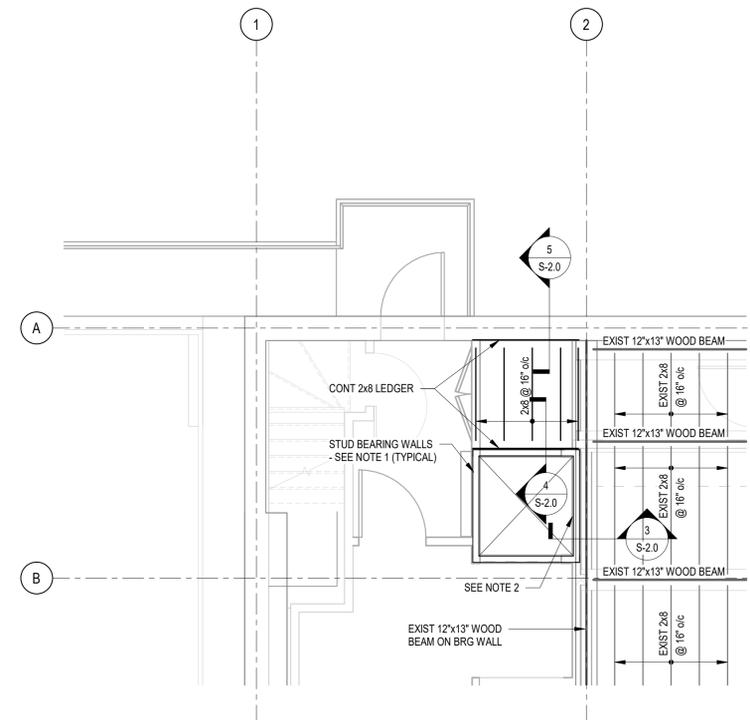
1 LIFT FOUNDATION PLAN  
1/4" = 1'-0"

- NOTES:
- TOP OF SHEATHING ELEVATION = 6" BELOW EXISTING DRESSING ROOM FLOOR
  - FLOOR SHEATHING SHALL BE 3/4" APA-RATED SHEATHING FASTENED TO FRAMING WITH 8d COM (0.131" x 2 1/2") SPACED AT 6" o/c AT EDGES AND 12" o/c AT INTERMEDIATE SUPPORTS. SEE DETAIL 12/S-2.1 FOR LAYOUT.
  - WHERE BEDROCK IS ENCOUNTERED FOUNDATIONS SHALL BE FOUNDED ON AND DOWELED TO SOUND BEDROCK.



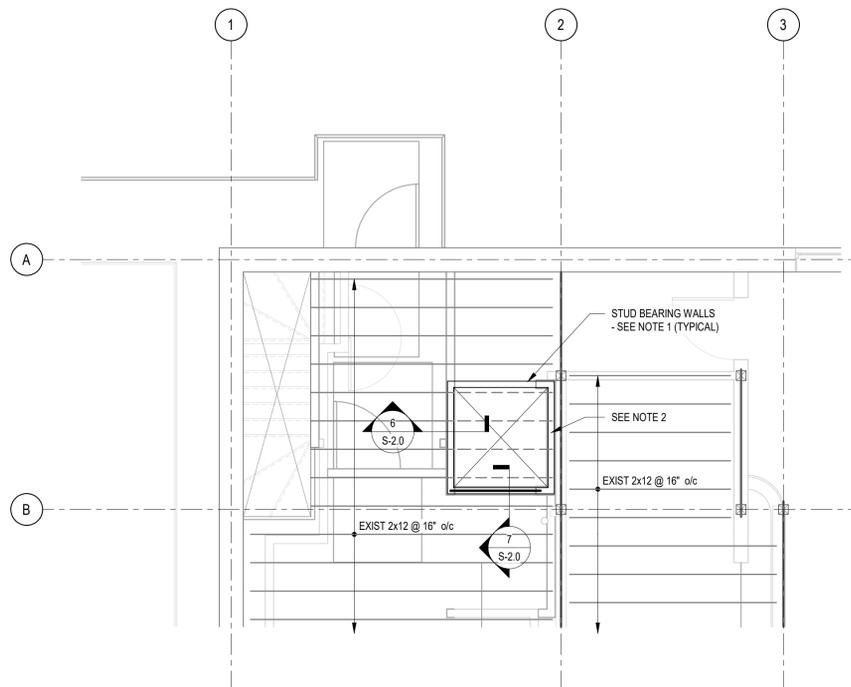
2 DRESSING ROOM FLOOR FRAMING PLAN  
1/4" = 1'-0"

- NOTES:
- LIFT BEARING WALLS SHALL BE 2x4 @ 12" o/c WITH CONT (2) 2x4 TOP PLATES
  - PROVIDE BLOCKING FOR LIFT RAIL ATTACHMENT - SEE 14/S-2.1 COORDINATE REQUIREMENTS AND LOCATION WITH LIFT SUBMITTAL.



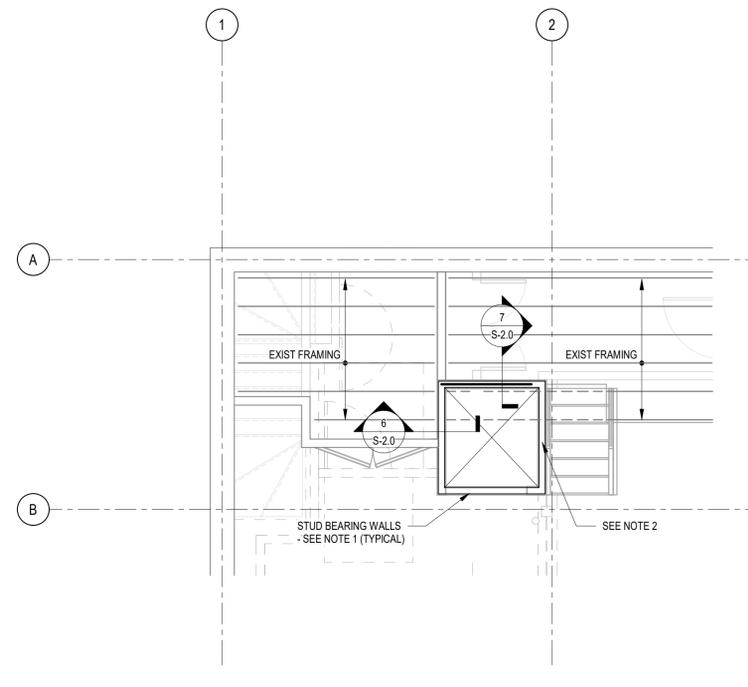
3 AUDITORIUM FLOOR FRAMING PLAN  
1/4" = 1'-0"

- NOTES:
- LIFT BEARING WALLS SHALL BE 2x4 @ 12" o/c WITH CONT (2) 2x4 TOP PLATES
  - PROVIDE BLOCKING FOR LIFT RAIL ATTACHMENT - SEE 14/S-2.1 COORDINATE REQUIREMENTS AND LOCATION WITH LIFT SUBMITTAL.



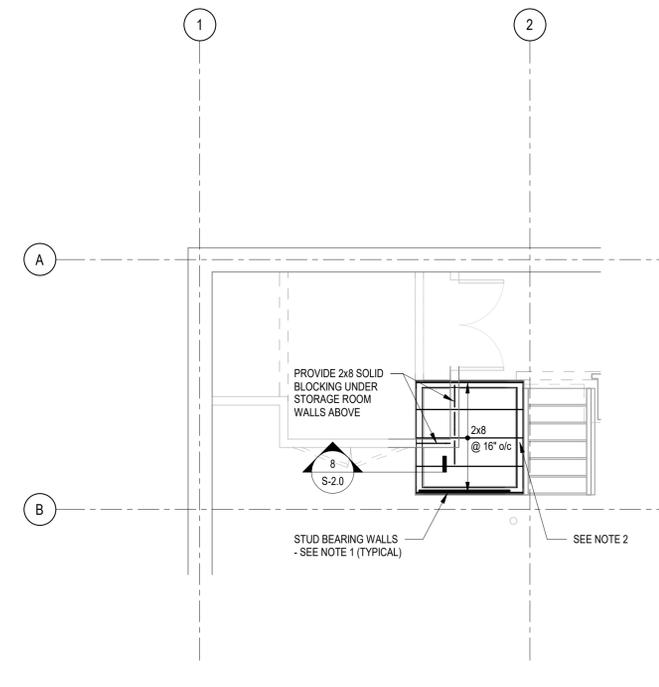
4 STAGE FLOOR FRAMING PLAN  
1/4" = 1'-0"

- NOTES:
- LIFT BEARING WALLS SHALL BE 2x4 @ 12" o/c WITH CONT (2) 2x4 TOP PLATES
  - PROVIDE BLOCKING FOR LIFT RAIL ATTACHMENT - SEE 14/S-2.1 COORDINATE REQUIREMENTS AND LOCATION WITH LIFT SUBMITTAL.
  - LIFT DOOR HEADERS TO BE (2) 2x6 WITH (1) 2x4 JACK AND (1) 2x4 KING STUD EACH SIDE.



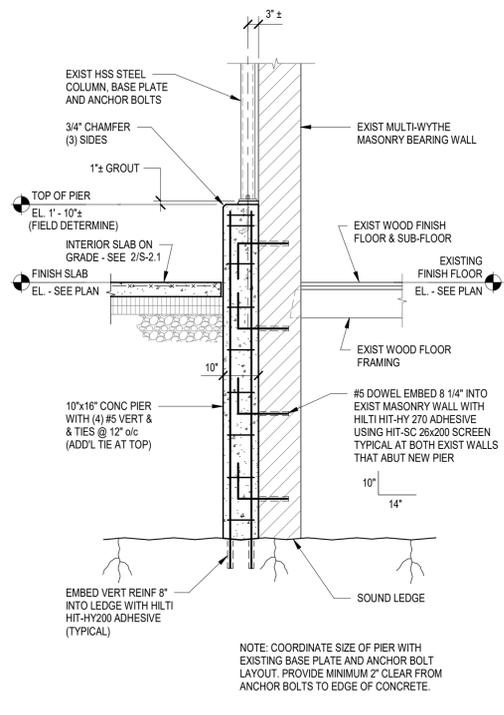
5 TECH MEZZANINE FLOOR FRAMING PLAN  
1/4" = 1'-0"

- NOTES:
- LIFT BEARING WALLS SHALL BE 2x4 @ 12" o/c WITH CONT (2) 2x4 TOP PLATES
  - PROVIDE BLOCKING FOR LIFT RAIL ATTACHMENT - SEE 14/S-2.1 COORDINATE REQUIREMENTS AND LOCATION WITH LIFT SUBMITTAL.
  - LIFT DOOR HEADERS TO BE (2) 2x6 WITH (1) 2x4 JACK AND (1) 2x4 KING STUD EACH SIDE.

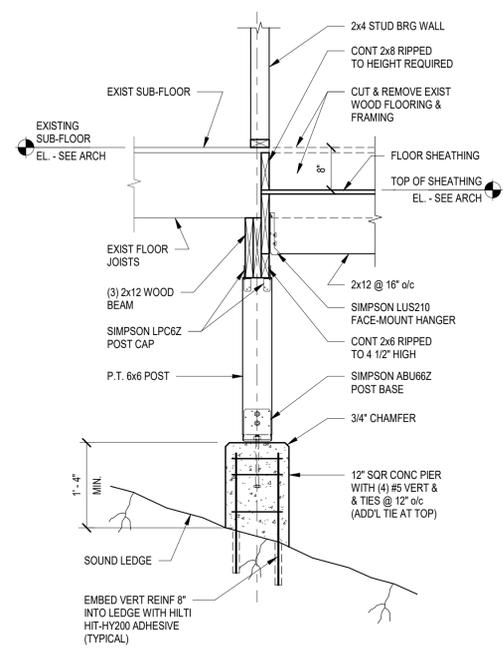


6 LIFT CEILING FRAMING PLAN  
1/4" = 1'-0"

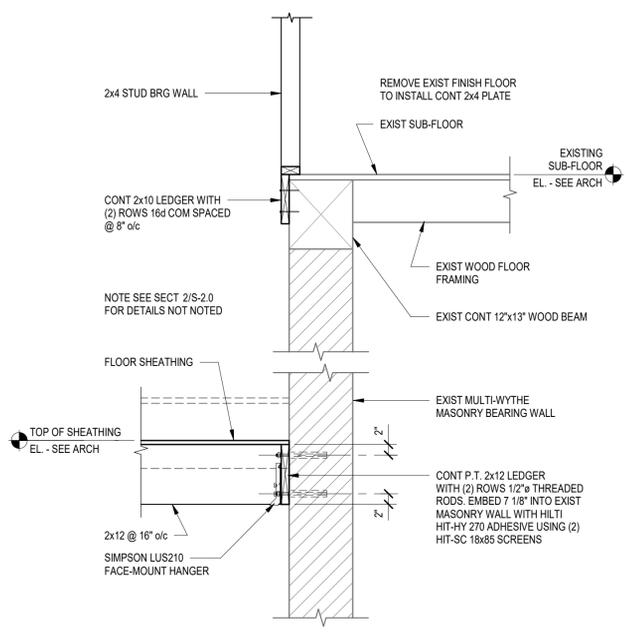
- NOTES:
- LIFT BEARING WALLS SHALL BE 2x4 @ 12" o/c WITH CONT (2) 2x4 TOP PLATES
  - PROVIDE BLOCKING FOR LIFT RAIL ATTACHMENT - SEE 14/S-2.1 COORDINATE REQUIREMENTS AND LOCATION WITH LIFT SUBMITTAL.
  - LIFT DOOR HEADERS TO BE (2) 2x6 WITH (1) 2x4 JACK AND (1) 2x4 KING STUD EACH SIDE.
  - CEILING SHEATHING SHALL BE 3/4" APA-RATED SHEATHING FASTENED TO FRAMING WITH 8d COM (0.131" x 2 1/2") SPACED AT 6" o/c AT EDGES AND 12" o/c AT INTERMEDIATE SUPPORTS. SEE DETAIL 12/S-2.1 FOR LAYOUT.



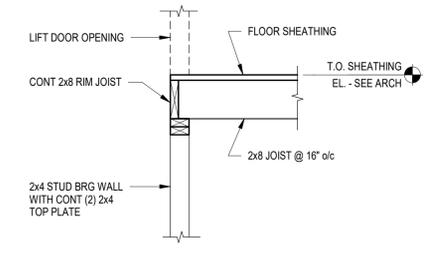
SECTION 1  
1/2" = 1'-0"



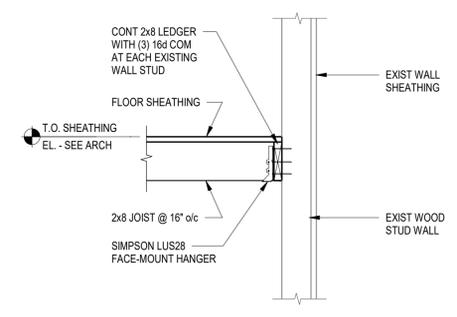
SECTION 2  
3/4" = 1'-0"



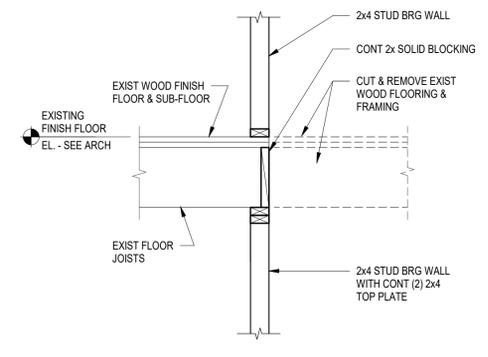
SECTION 3  
3/4" = 1'-0"



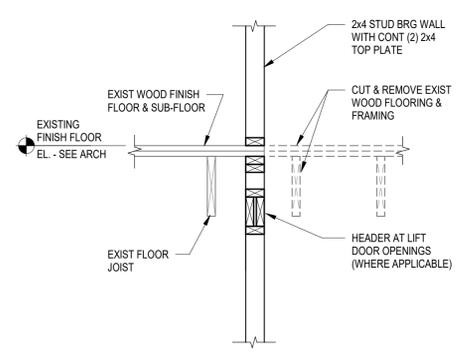
SECTION 4  
3/4" = 1'-0"



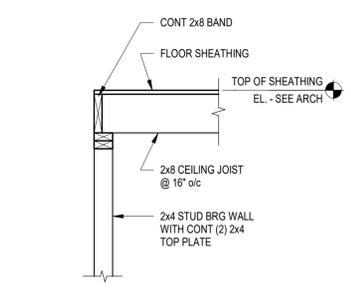
SECTION 5  
3/4" = 1'-0"



SECTION 6  
3/4" = 1'-0"



SECTION 7  
3/4" = 1'-0"



SECTION 8  
3/4" = 1'-0"

DATE ISSUED: 04/30/23  
Drawn: JTM  
Checked: JLR

REVISIONS:

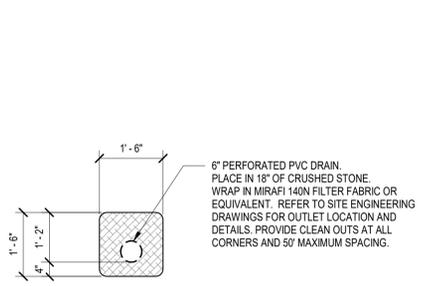
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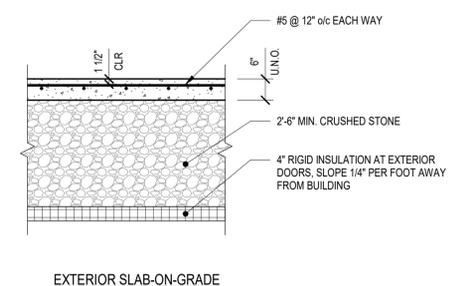
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120 Main St, Vergennes, VT 05491

LIFT FOUNDATION & FRAMING DETAILS

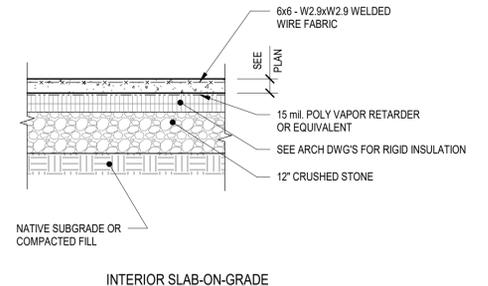
S-2.0



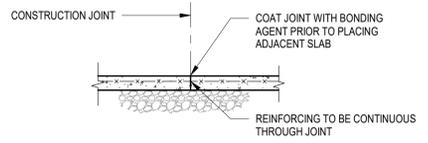
1 TYPICAL FOOTING DRAIN  
1/2" = 1'-0"



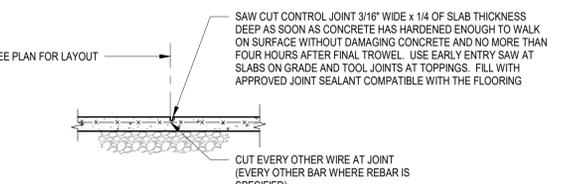
EXTERIOR SLAB-ON-GRADE



INTERIOR SLAB-ON-GRADE

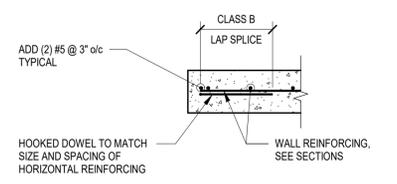


CONSTRUCTION JOINT



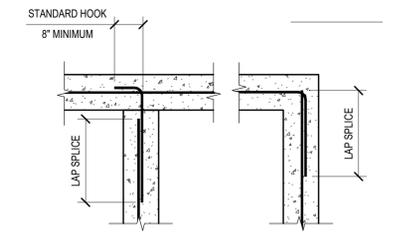
CONTROL JOINT

3 TYPICAL SLAB-ON-GRADE JOINTS  
1/2" = 1'-0"

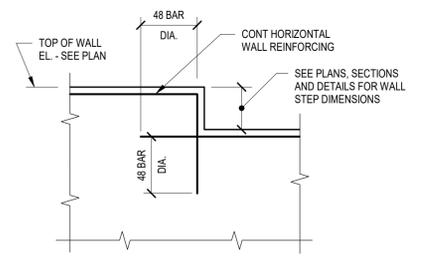


PART PLAN-SINGLE LAYER OF REINFORCING

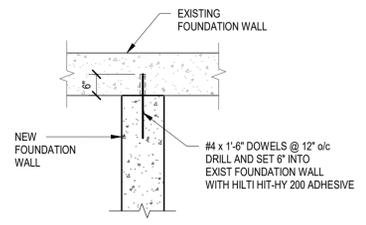
4 TYPICAL CONCRETE WALL END  
1/2" = 1'-0"



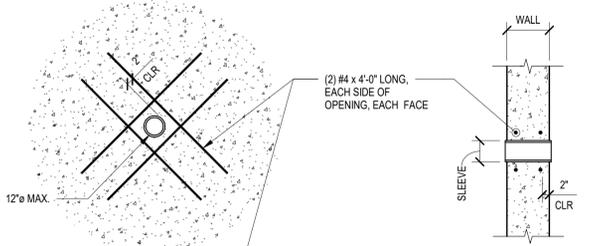
5 TYPICAL WALL CORNER REINFORCING  
1/2" = 1'-0"



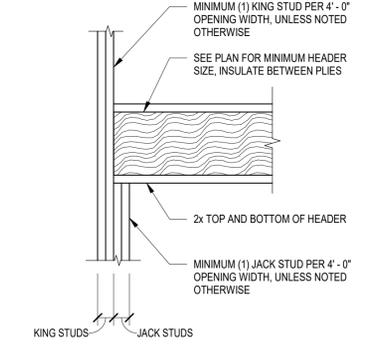
6 TYPICAL WALL STEP DETAIL  
1/2" = 1'-0"



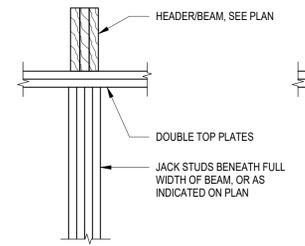
7 TYPICAL JOINT DETAIL OF NEW/EXISTING FOUNDATION WALL  
1/2" = 1'-0"



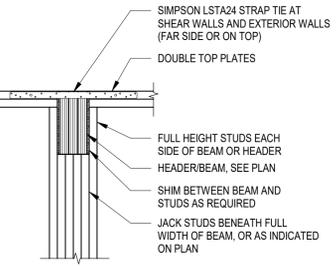
8 TYPICAL CONCRETE WALL OPENINGS  
1/2" = 1'-0"



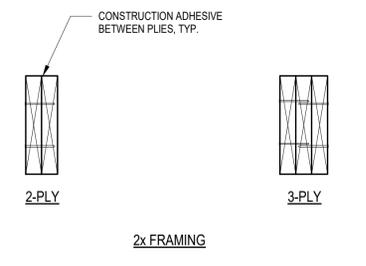
9 TYPICAL WOOD HEADER AT WALL OPENING  
3/4" = 1'-0"



DETAIL AT FLUSH BEAM

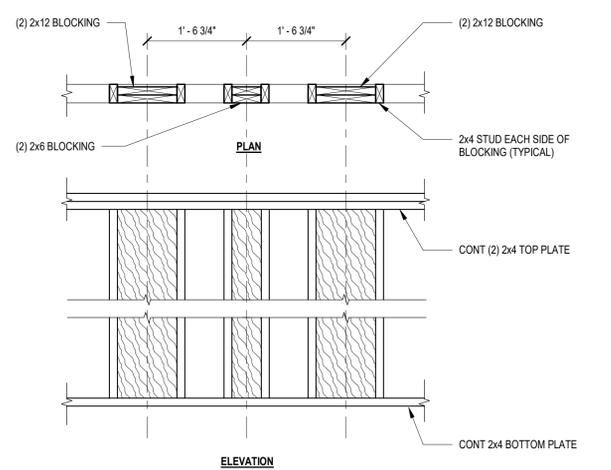


DETAIL AT DROPPED BEAM

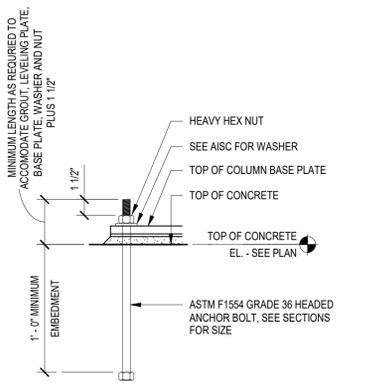


2x FRAMING

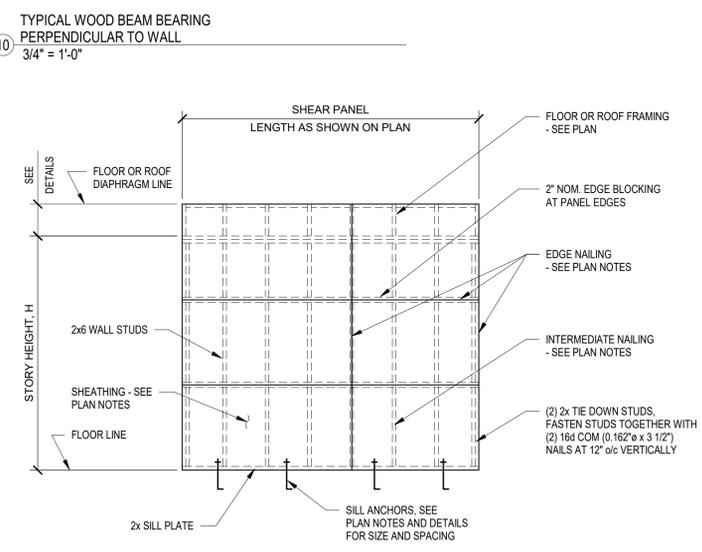
11 TYPICAL MULTI-MEMBER BEAM CONNECTION  
1 1/2" = 1'-0"



14 TYPICAL RAIL SUPPORT STRUCTURE  
3/4" = 1'-0"

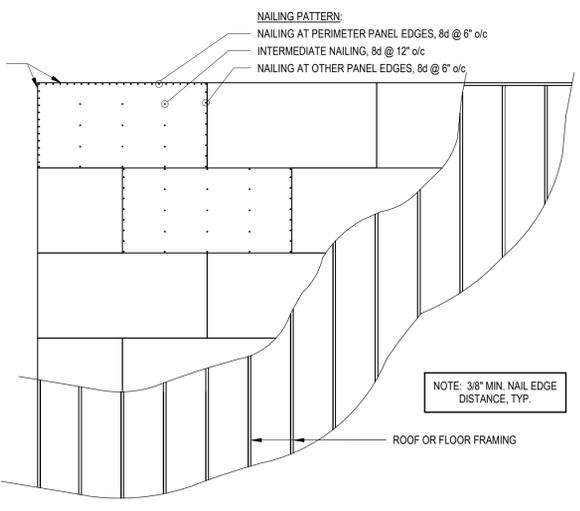


15 TYPICAL ANCHOR BOLT DETAIL  
1 1/2" = 1'-0"



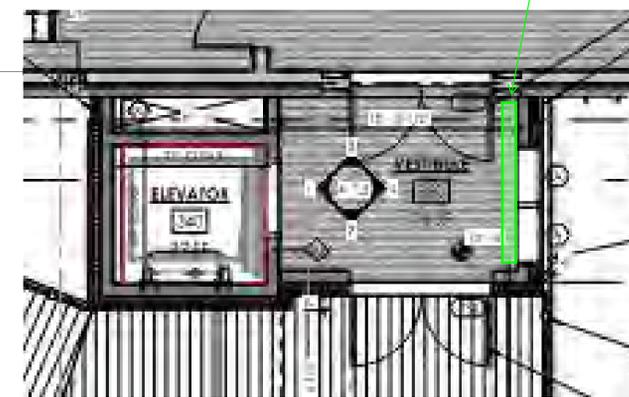
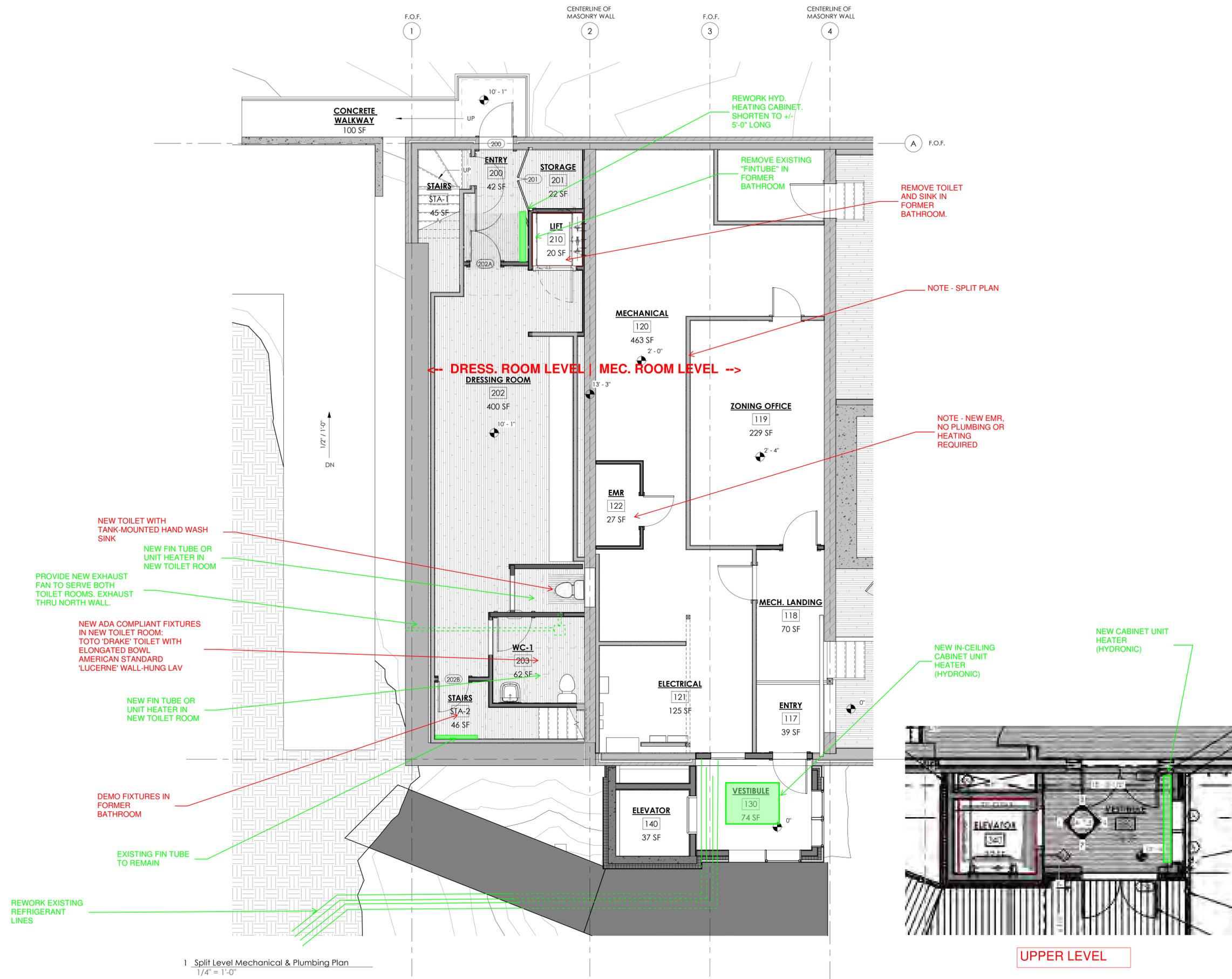
13 TYPICAL SHEAR PANEL DETAIL  
1/8" = 1'-0"

- NOTES:
1. PROVIDE BLOCKING AT ALL PANEL EDGES.
  2. ALL STUDS SHALL BE SPF No. 1/No. 2 OR BETTER.
  3. ALL WALL PLATES SHALL BE No. 1/No. 2 OR BETTER.
  4. ALL SHEATHING SHALL BE APA RATED.
  5. ALL SHEAR WALLS TO EXTEND FROM FLOOR DIAPHRAGMS TO FLOOR OR ROOF DIAPHRAGMS.



12 TYPICAL LAYOUT AND NAILING FOR FLOOR AND ROOF SHEATHING  
3/4" = 1'-0"





UPPER LEVEL

**PROJECT ELECTRICAL INSPECTION REPORT**

**Kirick Engineering Associates, P.C.**  
 Electrical / Telecom Consulting  
 5399 Williston Road, Williston, VT 05495  
 802-655-5781

**Project Job No.:** 2800  
**Project Name:** Vergennes Opera House Addition  
**Date:** 1/4/23  
**Submitted By:** Michael P. Kirick

**OBSERVATION:** The following conditions were field checked:

**SERVICE EQUIPMENT:**

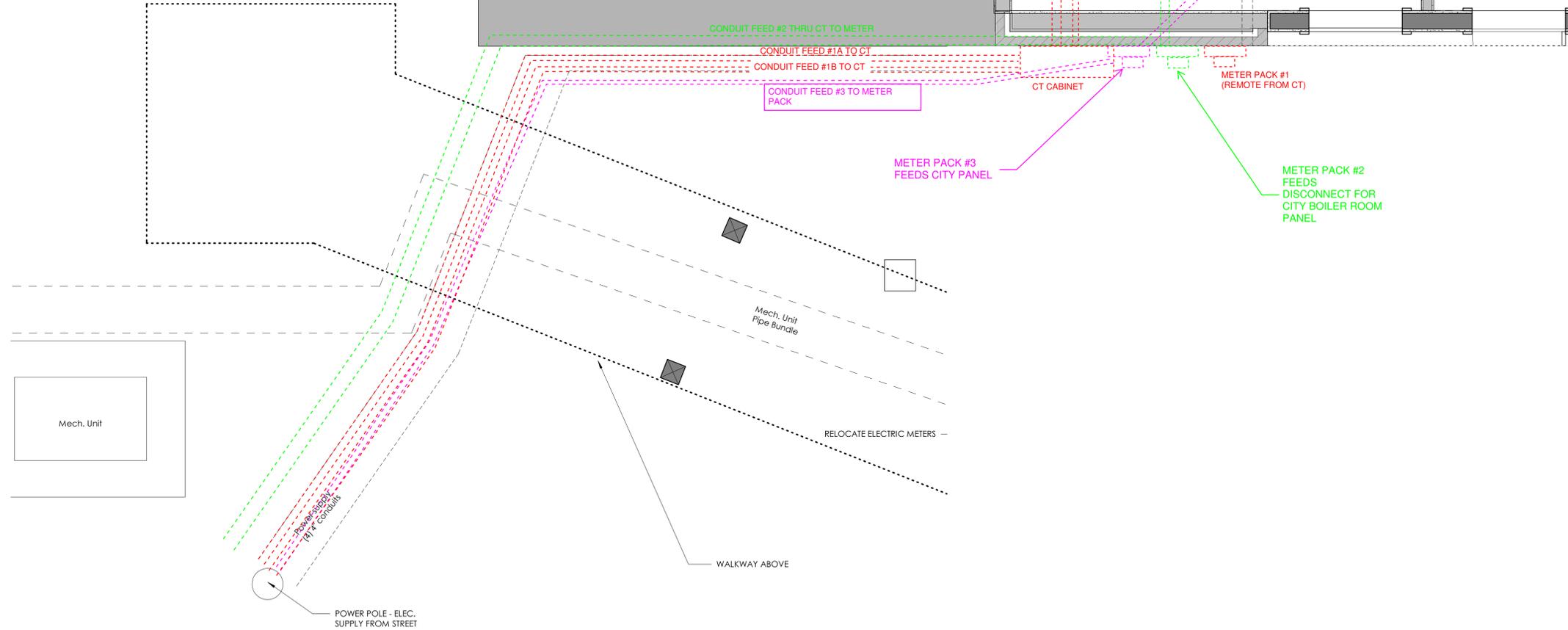
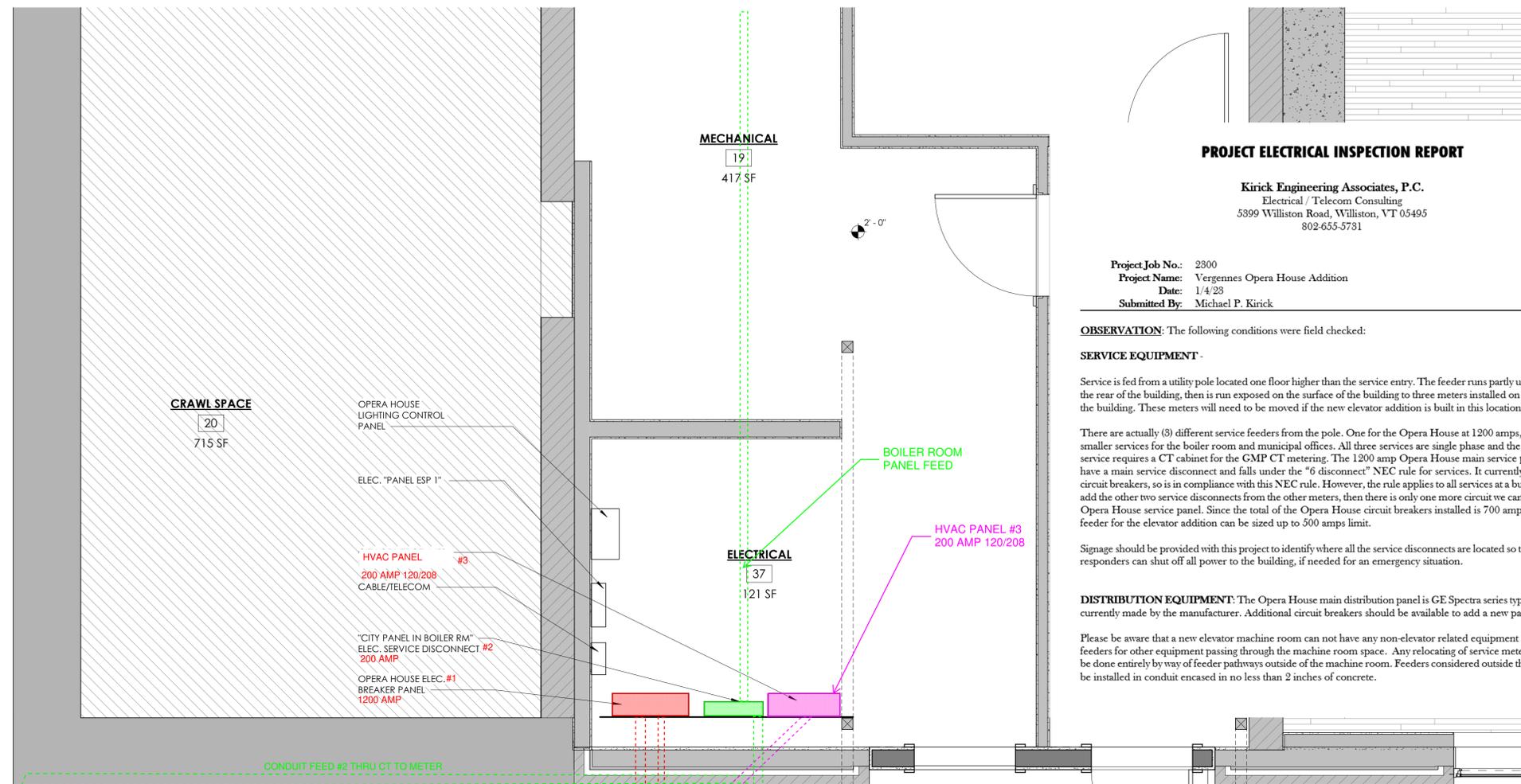
Service is fed from a utility pole located one floor higher than the service entry. The feeder runs partly underground to the rear of the building, then is run exposed on the surface of the building to three meters installed on the exterior of the building. These meters will need to be moved if the new elevator addition is built in this location.

There are actually (3) different service feeders from the pole. One for the Opera House at 1200 amps, and two other smaller services for the boiler room and municipal offices. All three services are single phase and the Opera House service requires a CT cabinet for the GMP CT metering. The 1200 amp Opera House main service panel does not have a main service disconnect and falls under the "6 disconnect" NEC rule for services. It currently has (3) active circuit breakers, so is in compliance with this NEC rule. However, the rule applies to all services at a building, so if we add the other two service disconnects from the other meters, then there is only one more circuit we can feed from the Opera House service panel. Since the total of the Opera House circuit breakers installed is 700 amps, a new panel feeder for the elevator addition can be sized up to 500 amps limit.

Signage should be provided with this project to identify where all the service disconnects are located so that emergency responders can shut off all power to the building, if needed for an emergency situation.

**DISTRIBUTION EQUIPMENT:** The Opera House main distribution panel is GE Spectra series type, which is still currently made by the manufacturer. Additional circuit breakers should be available to add a new panel feeder.

Please be aware that a new elevator machine room can not have any non-elevator related equipment or even circuit feeders for other equipment passing through the machine room space. Any relocating of service meters will need to be done entirely by way of feeder pathways outside of the machine room. Feeders considered outside the building can be installed in conduit encased in no less than 2 inches of concrete.



**EXISTING ELECTRICAL SERVICE**  
 PDF MARKUP AND NOTES BY  
 VERMONT INTEGRATED  
 ARCHITECTURE, IN  
 CONSULTATION WITH MICHAEL  
 KIRICK, KIRICK ENGINEERING  
 JANUARY 17, 2023

DATE ISSUED: 04/30/23  
 Drawn: GP  
 Checked: AN

REVISIONS:

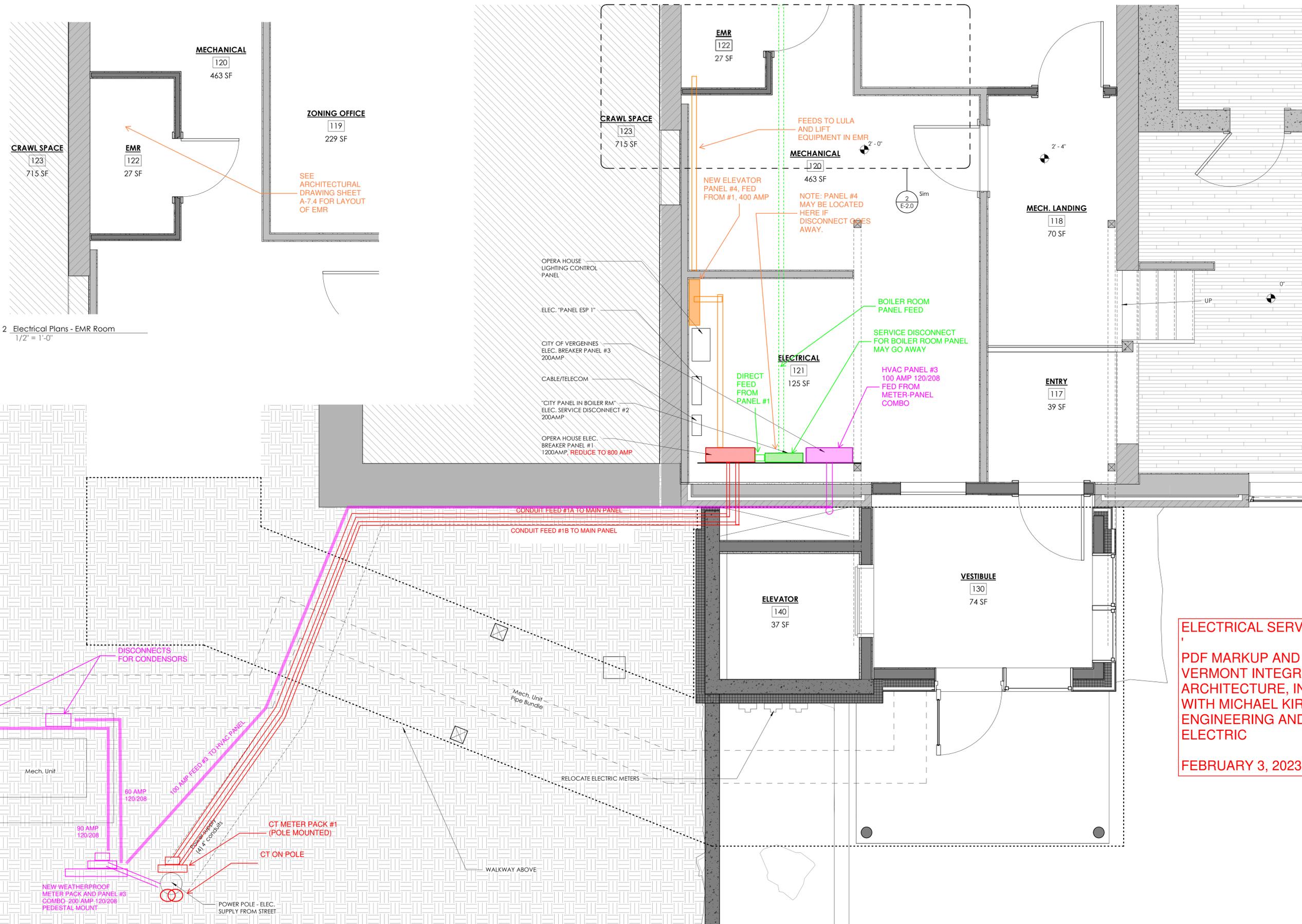
**ISSUED FOR CONSTRUCTION**

**F.V.O.H. ALL ACCESS**

120 Main St, Vergennes, VT 05491

ENLARGED  
 GROUND FLOOR -  
 ELECTRICAL PLAN

**E-7.1E**



2 Electrical Plans - EMR Room  
1/2" = 1'-0"

1 Electrical Plans  
1/2" = 1'-0"

**ISSUED FOR CONSTRUCTION**

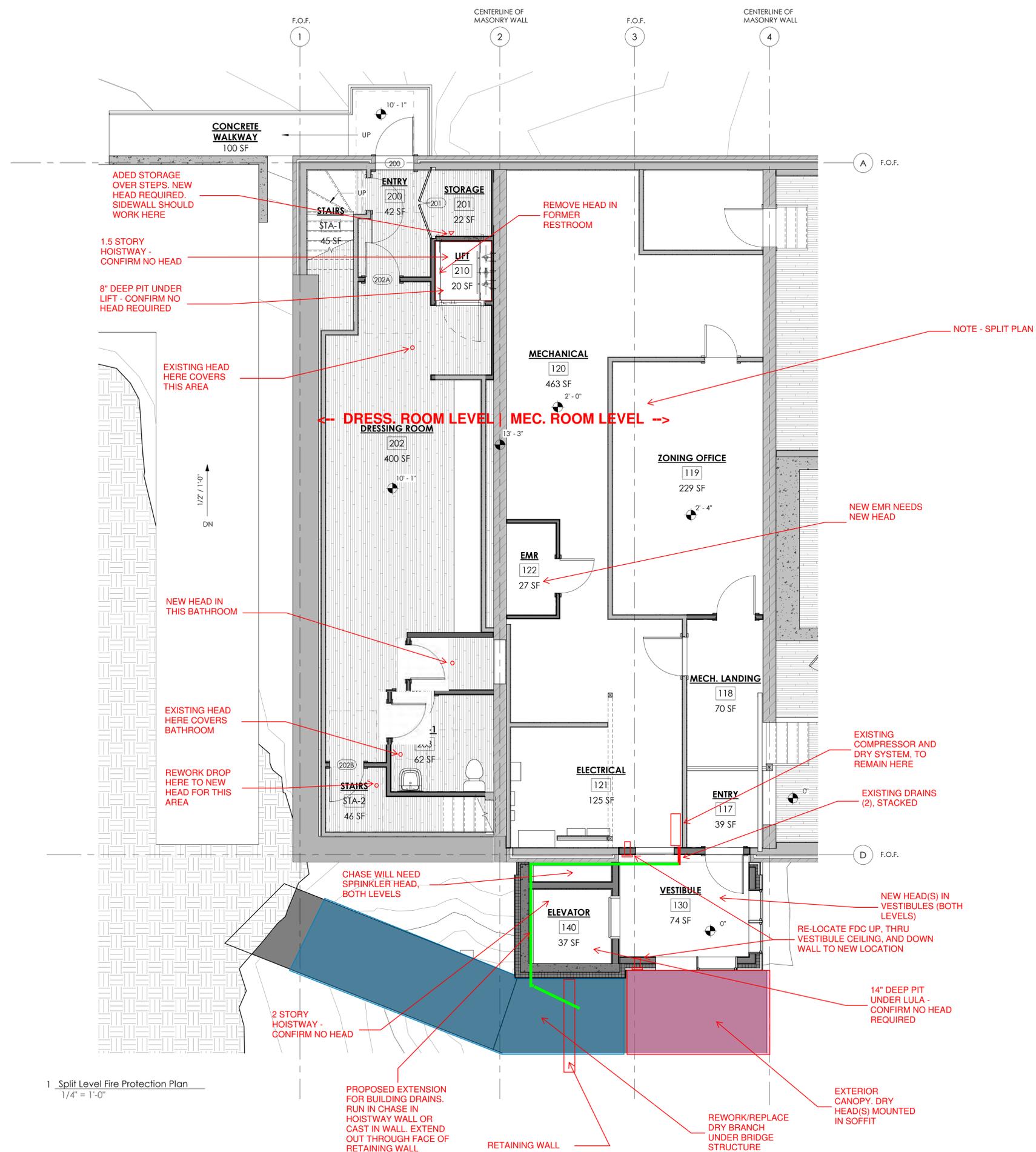
DATE ISSUED: 04/30/23  
Drawn: GP  
Checked: AN  
REVISIONS:  
# Date Description

**ELECTRICAL SERVICE - PROPOSED**  
PDF MARKUP AND NOTES BY VERMONT INTEGRATED ARCHITECTURE, IN CONSULTATION WITH MICHAEL KIRICK, KIRICK ENGINEERING AND PECK ELECTRIC  
FEBRUARY 3, 2023

F.V.O.H. ALL ACCESS  
120 Main St, Vergennes, VT 05491

ENLARGED GROUND FLOOR - ELECTRICAL PLAN

E-7.1C



SEE ARCHITECTURAL DRAWING SET FOR FULL SET OF PLANS AND SECTIONS TO DESCRIBE THE AFFECTED AREAS OF THE BUILDING.

SIDEWALL HEAD IN CORRIDOR 311 ALSO NEEDS TO BE REWORKD (NOT SHOWN ON THIS PLAN).

1 Split Level Fire Protection Plan  
1/4" = 1'-0"