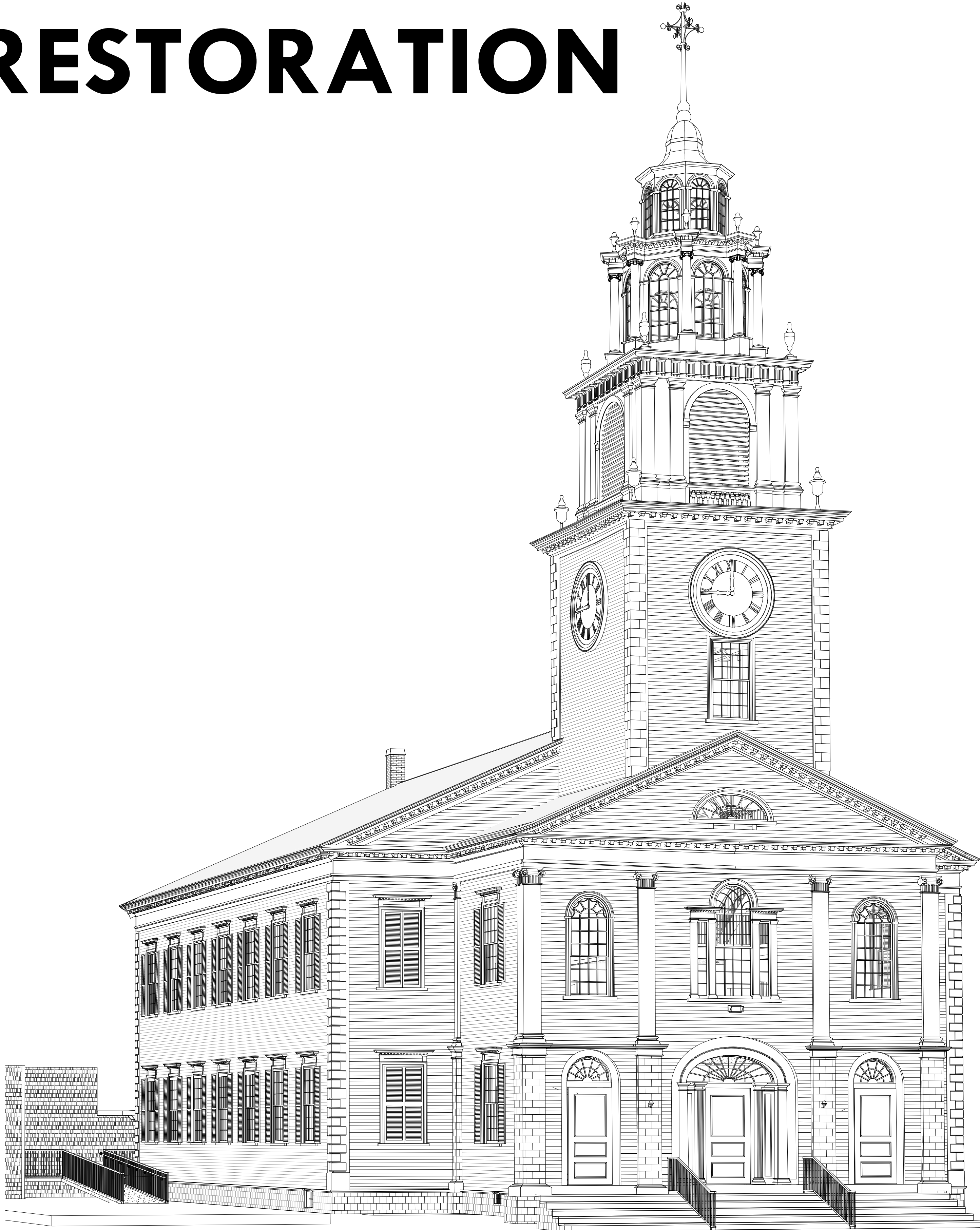


FIRST CHURCH OF ROXBURY

MEETINGHOUSE  
RESTORATION



Sheet List	
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EXISTING DOCUMENTATION  
Existing Conditions  
617-247-9161

ELECTRICAL  
D's Electric  
617-542-2000

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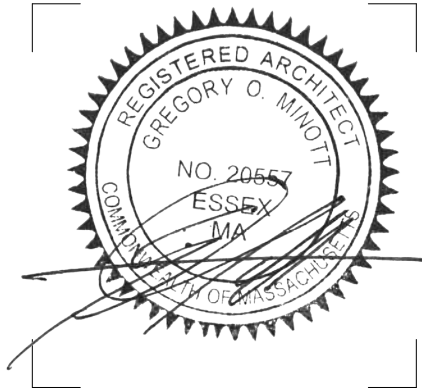
FIRST CHURCH  
OF ROXBURY

10 Putnam St  
Roxbury, MA

CONSTRUCTION  
DOCUMENTS

April 4, 2022

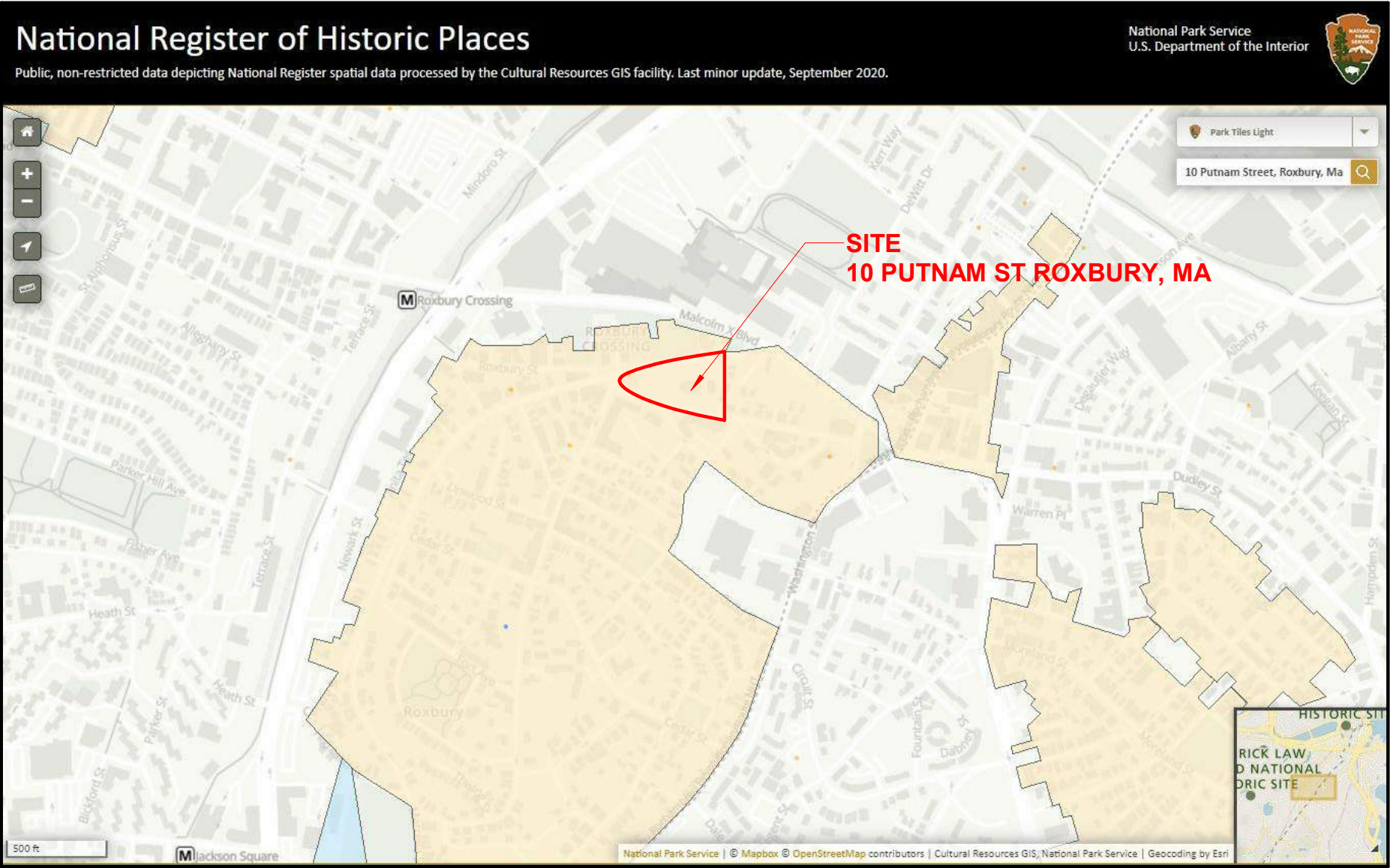
No.	Description	Date



COVER

G000

Scale 1/2" = 1'-0"





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GENERAL NOTES		
<p>A. ALL WORK INCLUDED IN THIS CONTRACT SHALL CONFORM TO ALL STATE, NATIONAL AND OTHER CODES, REGULATIONS, AND RESTRICTIONS WHICH APPLY TO THIS PROJECT, INCLUDING, BUT NOT LIMITED TO: MASSACHUSETTS STATE BUILDING AND SANITARY CODE AND THE FEDERAL "AMERICANS WITH DISABILITIES ACT" ADA PL101-336.</p> <p>B. THE GENERAL CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS AND REPORT ANY DISCREPANCIES TO THE ARCHITECT. THE GENERAL CONTRACTOR SHALL PROCEED WITH THE WORK ONLY AFTER ALL DISCREPANCIES HAVE BEEN RESOLVED BY THE ARCHITECT.</p> <p>C. WORK FROM GIVEN DIMENSIONS AND LARGE SCALE DETAILS ONLY. DO NOT SCALE DRAWINGS.</p> <p>D. BUILDING OR SITE COMPONENTS WHICH ARE AFFECTED BY NEW WORK, DEMOLITION OR WHICH MAY BE DAMAGED BY THE GENERAL CONTRACTOR OR ANY SUBCONTRACTORS SHALL BE REPLACED OR RESTORED TO ORIGINAL CONDITION AND COLOR BY METHODS DESCRIBED IN THIS CONTRACT, OR AS APPROVED BY THE ARCHITECT.</p> <p>E. CONSULT WITH THE ARCHITECT BEFORE PENETRATING ALL JOISTS, BEAMS OR OTHER STRUCTURAL MEMBERS.</p> <p>F. SUBMIT SHOP DRAWINGS TO THE ARCHITECT FOR REVIEW PRIOR TO FABRICATIONS. SUBMITTALS REQUIRED INCLUDE, BUT ARE NOT LIMITED TO, SHOP DRAWINGS FOR ALL STEEL, MILLWORK &amp; SIGNAGE, SAMPLES OF ALL PROPOSED PAINTS, METALS, WALL COVERINGS, LAMINATES, SOLID SURFACE MATERIALS, CERAMIC TILE, AND HARDWARE. SUBMIT MANUFACTURERS' DATA FOR ALL LIGHTING SYSTEMS, AND HARDWARE.</p> <p>G. THE GENERAL CONTRACTOR SHALL OBTAIN AND PAY FOR ANY BUILDING PERMITS REQUIRED AND CARRY ANY INSURANCE COVERAGES REQUIRED.</p> <p>H. ALL INTERIOR FINISHES AND FURNISHINGS ARE TO BE CLASS 'A' FIRE-RATED AND ARE TO COMPLY WITH 2015 IBC WITH MASS. AMENDMENTS. CONTRACTS IN BOSTON ARE REQUIRED TO MEET THE STANDARDS OF THE BOSTON FIRE CODE.</p> <p>I. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL PANEL CONTROL AND CIRCUIT DESIGN AND FOR COMPLIANCE WITH ALL BUILDING, LIFE SAFETY, AND NATIONAL ELECTRICAL CODES WHICH MAY APPLY.</p>	<p>J. DETAILED DRAWINGS AND LARGER SCALE DRAWINGS SHALL TAKE PRECEDENCE OVER SMALL SCALE DRAWINGS.</p> <p>K. THE GENERAL CONTRACTOR SHALL DISPOSE OF ALL WASTE AND DEBRIS OFF THE PREMISES.</p> <p>L. THE GENERAL CONTRACTOR SHALL REVIEW AND BE FAMILIAR WITH ANY "TENANT DESIGN AND CONSTRUCTION MANUAL" AND ANY OTHER OWNER OR BUILDING STANDARDS. THE GENERAL CONTRACTOR SHALL INCLUDE IN ITS BID ALL RELATED COSTS.</p> <p>M. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE COORDINATION OF THE WORK OF ALL TRADES. THE GENERAL CONTRACTOR SHALL NOTIFY THE ARCHITECT IN WRITING OF ANY AND ALL CONFLICTS BETWEEN THE TRADES AND SHALL OBTAIN A WRITTEN RESOLUTION FROM THE ARCHITECT PRIOR TO PROCEEDING WITH CONSTRUCTION IN ALL AREAS AFFECTED BY THE CONFLICT.</p> <p>N. PROVIDE ALL TEMPORARY FACILITIES AND SERVICES, CONSTRUCTION AND SUPPORT FACILITIES, AND SECURITY AND PROTECTION AS NEEDED TO PROTECT NEW AND EXISTING CONSTRUCTION FOR THE DURATION OF A COMPLETE INSTALLATION.</p> <p>O. EMPLOY EXPERIENCED WORKERS FOR FINAL CLEANING. CLEAN EACH SURFACE TO THE CONDITION EXPECTED IN A COMMERCIAL BUILDING CLEANING PROGRAM.</p> <p>P. ALL MATERIALS &amp; EQUIPMENT SHALL BE INSTALLED ACCORDING TO MANUFACTURER'S SPECIFICATIONS.</p> <p>Q. GUARANTEE: ALL MATERIALS AND WORKMANSHIP SHALL BE GUARANTEED FOR A PERIOD OF ONE YEAR FROM THE DATE OF FINAL ACCEPTANCE UNLESS OTHERWISE SPECIFIED FOR A LONGER PERIOD OF TIME ON A CERTAIN ITEM.</p> <p>R. ALL MATERIAL USED FOR THE CONSTRUCTION OF THIS PROJECT, WHETHER BUILDING MATERIALS OR APPURTENANCES, SHALL BE NON-ASBESTOS CONTAINING MATERIAL.</p>	<p>S. THE GENERAL CONTRACTOR SHALL CONFIRM THAT ALL MATERIAL AND FINISHES SPECIFIED AND THEIR FABRICATION OR INSTALLATION WILL NOT RELEASE FUMES OR AROMAS DURING CONSTRUCTION WHICH MAY BE A HAZARD OR NUISANCE TO PERSONNEL.</p> <p>T. SEAL AND CAULK AROUND ALL PENETRATIONS, CRACKS AND CREVICES AND ANY OPENINGS CAPABLE OF HARBORING INSECTS/RODENTS.</p> <p>U. ALL EXPOSED UTILITY WIRES AND PIPES (ELECTRICAL, PLUMBING, ETC.) SHALL BE INSTALLED IN A WAY THAT DOES NOT OBSTRUCT OR PREVENT THE CLEANING OF FLOORS, WALLS, AND CEILING AREAS. THEY SHALL BE INSTALLED A MINIMUM OF 8" OFF FLOORS AND 1" OFF WALLS, CEILINGS AND ADJACENT PIPES.</p> <p>V. ALL RECESSED SPRINKLERS, EXPOSED PLUMBING RISERS, AND EXPOSED HOSE CONNECTIONS TO RECEIVE PAINTED FINISH SIMILAR TO ADJACENT VERTICAL SURFACES.</p> <p>W. EQUIPMENT SUPPLIED BY THE OWNER AND INSTALLED BY THE GENERAL CONTRACTOR: EQUIPMENT INFORMATION AND SPECIFICATIONS ARE TO BE THE MOST CURRENT AVAILABLE AT THE TIME OF DOCUMENTATION PREPARATION. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING WITH THE OWNER THE EXACT DIMENSIONS AND EQUIPMENT CONNECTION REQUIREMENTS (INCLUDING ELECTRICAL CIRCUIT REQUIREMENTS) OF EQUIPMENT TO BE SUPPLIED. THE GENERAL CONTRACTOR SHALL MAKE ALL FINAL CONNECTIONS AS NOTED ON THE DRAWINGS. INSTALL THE SET UP IN WORKING ORDER, CHECK WARRANTIES, TEST AND NOTE VOID WARRANTIES. THE GENERAL CONTRACTOR SHALL COORDINATE WITH THE OWNER DELIVERY, STORAGE AND INSTALLATION OF ALL OWNER SUPPLIED EQUIPMENT. THE GENERAL CONTRACTOR SHALL STORE EQUIPMENT IF REQUESTED BY THE OWNER UNTIL INSTALLATION.</p> <p>X. SEE SPECS AND DRAWINGS FOR OTHER OWNER SUPPLIED/GENERAL CONTRACTOR INSTALLED ITEMS.</p>

ABBREVIATIONS LIST			
2-PSS	TWO-PART POLYSULFIDE SEALANT	FEC	FIRE EXTINGUISHER CABINET
2-PUM	TWO-PART POLYURETHANE MODIFIED SEALANT	FF	FINISH FLOOR
#	NUMBER; POUND	FF EL	FINISH FLOOR ELEVATION
Ø	DIAMETER; ROUND; PHASE	FO	FACE OF
A	AREA; AMPERE; ALCOVE; COMP AIR LINE	GA	GAUGE
ABV	ABOVE	GALV	GALVANIZED
ACC	ACCESS	GC	GENERAL CONTRACTOR
ACT	ACOUSTIC CEILING TILE	GL	GLASS
ADA	AMERICANS W/ DISABILITIES ACT-1992	GW8	GYPSUM WALL BOARD
ADAAG	ADA ARCHITECTURAL GUIDELINES	HC	HANDICAP
AFF	ABOVE FINISHED FLOOR	HD	HEAVY DUTY
ALT	ALTERNATE	HDWD	HARDWOOD
APPROX	APPROXIMATE	HDWR	HARDWARE
BDRM	BEDROOM	HGT	HEIGHT
BIT	BITUMINOUS	HM	HOLLOW METAL
BLDG	BUILDING	HVAC	HEATING/ VENTILATION/ AIR CONDITIONING
BLKG	BLOCKING	ID	INSIDE DIAMETER
BM	BEAM; BENCHMARK	INSUL	INSULATION
CCTV	CLOSED CIRCUIT TELEVISION	JAN	JANITOR
CFM	CUBIC FEET PER MINUTE	J-BOX	JUNCTION BOX
CFMF	COLD FORM METAL FRAMING	JT	JOINT
CL	CLOSET	LAM	LAMINATE
CL	CENTER LINE	LAV	LAVATORY
CLG HT	CEILING HEIGHT	MDF	MEDIUM DENSITY FIBERBOARD
CLR	CAULKING	MDO	MEDIUM DENSITY OVERLAY
CLR	CLEAR	MECH	MECHANICAL
CMP	COMPOSITE METAL PANEL	MECH RM	MECHANICAL ROOM
CMU	CONCRETE MASONRY UNIT	MO	MASONRY OPENING
CONC	CONCRETE	NA	NOT APPLICABLE
COORD	COORDINATE	NIC	NOT IN CONTRACT
CPT	CARPET	NOM	NOMINAL
DBL	DOUBLE	NTS	NOT TO SCALE
DEGC/F	DEGREES CELSIUS/FAHRENHEIT	OC	ON CENTER
DIA	DIAMETER	OD	OUTSIDE DIAMETER OR DIMENSION
DIM	DIMENSIONS	PREFAB	PREFABRICATE
DW	DISHWASHER	PT	PRESSURE TREATED
DWG	DRAWING	PLYWD	PLYWOOD
EA	EACH	QTY	QUANTITY
EC	EXPOSED CONSTRUCTION	RCP	REFLECTED CEILING PLAN
EFTS	EXPANDING FOAM TAPE SEALANT	REF	REFRIGERATOR
EIFS	EXTERIOR INSULATION AND FINISH SYSTEM	RO	ROUGH OPENING
EL	ELEVATION	RTU	ROOF TOP UNIT
EMR	ELEVATOR MACHINE ROOM	SF	SQUARE FOOT (FEET)
ENG	ENGINEER	T&G	TONGUE AND GROOVE
EPDM	ETHYLENE PROPYLENE DIENE MONOMER	TO	TOP OF
EQ	EQUAL	UON	UNLESS OTHERWISE NOTED
EOP	EQUIPMENT	VIF	VERIFY IN FIELD
FA	FIRE ALARM	VOC	VOLATILE ORGANIC COMPOUND
FAB	FABRICATED	W/O	WITH OUT
FCU	FAN COIL UNIT	WIC	WALK IN CLOSET
FD	FLOOR DRAIN		

SYMBOLS LEGEND			
	DOOR TAG		INTERIOR ELEVATION TAG
	WINDOW TAG		
	FINISH TAG		
	WALL TAG WITH PARTITION TYPE		SECTION TAG
	DETAIL TAG/ENLARGED PLAN		SECTION NO. ABOVE SHEET NO.
	DETAIL NO. ABOVE SHEET NO.		STRUCTURAL GRID LINE
	ELEVATION TAG		
	ELEV NO. ABOVE SHEET NO.		

	GLASS
	STEEL
	ALUMINUM
	CONCRETE
	MORTAR/ GROUT/ SAND
	BRICK
	CMU
	GRAVEL
	EARTH
	GYPSUM BOARD
	PLYWOOD
	BATT INSULATION
	RIGID INSULATION
	SPRAY FOAM INSULATION

1	MINIMUM CLEAR WIDTHS AT DOORS	2	MANEUVERING CLEARANCE AT MANUAL SWINGING DOORS	3	MANEUVERING CLEARANCES AT SLIDING AND FOLDING DOORS
<p><b>HINGED DOOR</b></p> <p>NOTE #1: AT LEAST ONE LEAF OF DOORWAYS WITH TWO LEAVES MUST COMPLY</p> <p>NOTE #2: FACE OF DOOR MUST NOT EXCEED 8" FROM THE SAME FACE OF WALL</p> <p><b>OPENINGS</b></p>		<p><b>FRONT APPROACH, PULL SIDE</b></p> <p><b>HINGE APPROACH, PULL SIDE</b></p> <p><b>LATCH APPROACH, PULL SIDE</b></p> <p><b>FRONT APPROACH, PUSH SIDE</b></p> <p><b>HINGE APPROACH, PUSH SIDE</b></p> <p><b>LATCH APPROACH, PUSH SIDE</b></p> <p><b>*IF DOOR HAS BOTH A CLOSER AND A LATCH</b></p> <p><b>**54" MIN. (1370) IF CLOSER IS PROVIDED</b></p> <p><b>***48" MIN. (1220) IF CLOSER IS PROVIDED</b></p>		<p><b>FRONT APPROACH</b></p> <p><b>POCKET OR HINGE APPROACH</b></p> <p><b>STOP OR LATCH APPROACH</b></p> <p><b>THRESHOLDS AND CHANGES IN ELEVATION</b></p> <p><b>VERTICAL CHANGE IN ELEVATION</b></p> <p><b>BEVELED CHANGE IN ELEVATION</b></p>	

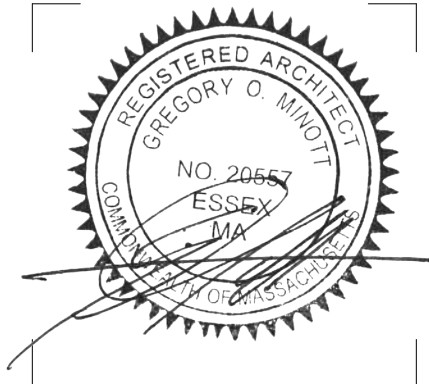
## FIRST CHURCH OF ROXBURY

10 Putnam St  
Roxbury, MA

## CONSTRUCTION DOCUMENTS

April 4, 2022

No.	Description	Date





**BC Table 602:** Required Fire-Resistance Ratings for Non-Bearing Walls Based on FSD (Hours)

Fire Separation Distance (feet) = X	Type IA		Type IIIA
	Use: F-1,M	Use: A-2,B	All Occs
$X < 5$	2	1	1
$5 \leq X < 10$	2	1	1
$10 \leq X < 30$	1	1	1
$X \geq 30$	0	0	0

## **2015 IBC CHAPTER 7: FIRE PROTECTION SYSTEMS**

## 2015 IBC CHAPTER 8: INTERIOR FINISHES

**2015 IBC Table 803.11: Interior Finish Requirements by Occupancy - Sprinklered**

### **B. Quick Facts**

### **C. Applicable Codes & Standards**

2015 IBC CHAPTER 5: GENERAL BUILDING HEIGHTS &amp; AREAS

## Height & Area Summary

### Use Group R-2 in Type IIIA Construction

Element	Proposed	Allowed	Status
Building Area (GSF)		36,000	✓
Aggregate Area (GSF)		72,000	✓
Height (ft)	69.9	85	✓
Stories	5 (Above Podium)	5	✓

2015 IBC CHAPTER 6: CONSTRUCTION TYPES

Element	Type IIIA
Primary Structural Frame	1
Bearing Walls: Exterior Interior	2 1
Nonbearing Walls & Partitions: Exterior	Refer to Table 602
Nonbearing Walls & Partitions: Interior	0
Floor Construction & Secondary Members	1 <sup>A</sup>
Roof Construction & Secondary Members	1

<sup>A</sup> Not less than the rating of the assemblies supported

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10 Putnam St  
Roxbury, MA

April 4, 2022

[illegible]

# G002

Scale  $1/4" = 1'-0"$



2015 IBC CHAPTER 10: MEANS OF EGRESS

The means of egress must comply with 2015 IBC Chapter 10. The following sections summarize several applicable requirements.

**Section 1006: Number of Exits and Continuity**  
Two exits must be provided from all spaces where the occupant load and/or common path of travel distance exceeds the limitations of 780 CMR Table 1006.2.1, as summarized below.

2015 IBC Table 1006.2.1: Spaces with One Means of Egress		
Occupancy	Max. Occupant Load	With Sprinkler System (Feet)
A-1	49	75

All spaces within each story must have access to the minimum number of independent exits from the story as required by 2015 IBC Table 1006.3.1 below. Note that two accessible means of egress must be provided from each floor per 2015 IBC 1009.1.

**Section 1009: Accessible Means of Egress**  
Where two or more means of egress are required from a story or space, at least two accessible means of egress must be provided. Where one means of egress is permitted from a space, at least one accessible means of egress must be provided (2015 IBC 1009.1). A two-way communication system required at elevator landing on each accessible floor one or more stories above or below the story of exit discharge (527 CMR 20.8.2.4.1). Since the building is 5 stories, an elevator provided with stand-by power must serve as one of the accessible means of egress (2015 IBC 1009.2.1).

**Section 1017: Exit Access Travel Distance**  
The exits located throughout the building must be arranged to meet the maximum travel distances described in the table below.

Table 1017.2: Exit Access Travel Distance	
Occupancy	With Sprinkler System (Feet)
A	250

**Section 1020.4: Dead-End Corridors**  
Where more than one exit or exit access doorway is required, the exit access must be arranged such that there are no dead ends in corridors exceeding the limitations of the table below.

Occupancy	With Sprinkler System (Feet)
A	20

**Section 1028 Exit Discharge**  
The exit discharge is the portion of the means of egress from the termination of the exit to a public way. Per 2015 IBC 1028.1 the means of egress, including the exit discharge, must be illuminated at all times the building is occupied such that occupants can find the public way if an emergency occurs at night. Therefore, egress lighting must be provided at the exterior sidewalks. Exits must discharge directly to the exterior of the building with a maximum of 50% of required exits permitted to discharge in the interior of the building (2015 IBC 1028.1 Exception 1).

TABLE 1006.3.1 MINIMUM NUMBER OF EXITS OR ACCESS TO EXITS PER STORY

Where more than one exit or exit access doorway is required, the exit access must be arranged such that there are no dead ends in corridors exceeding the limitations of the table below.

Occupant Load Per Story	Minimum number of exits or access to exits from story
1-500	2
501-1,000	3

Where more than one means of egress is required, the exits must be separated by 1/3 of the overall diagonal distance of the space served (2015 IBC 1007.1.1).

TABLE 1004.5: MAXIMUM FLOOR AREA ALLOWANCES PER OCCUPANT

FUNCTION OF SPACE	OCCUPANT LOAD FACTOR
Assembly without fixed seats	
Concentrated (chairs only—not fixed)	7 net
Standing space	5 net
Unconcentrated (tables and chairs)	15 net
Stages and Platforms	15/sf

1006.2.1.1 Three or More Exits or Exit Access Doorways

Three exits or exit access doorways shall be provided from any space with an occupant load of 501 to 1,000. Four exits or exit access doorways shall be provided from any space with an occupant load greater than 1,000.

TABLE 2902.1 MINIMUM NUMBER OF REQUIRED PLUMBING FIXTURES

Occupant Load Per Story	WATER CLOSETS		LAVATORIES		DRINKING FOUNTAINS	OTHER
	Male	Female	Male	Female		
Theaters and other buildings for the performing arts and motion pictures (d)	1 per 125	1 per 65	1 per 200		1 per 500	1 service sink

d. The occupant load for seasonal outdoor seating and entertainment areas shall be included when determining the minimum number of facilities required.

**1004.6 Fixed Seating**  
For areas having fixed seats and aisles, the occupant load shall be determined by the number of fixed seats installed therein. The occupant load for areas in which fixed seating is not installed, such as waiting spaces, shall be determined in accordance with Section 1004.5 and added to the number of fixed seats.

The occupant load of wheelchair spaces and the associated companion seat shall be based on one occupant for each wheelchair space and one occupant for the associated companion seat provided in accordance with Section 1108.2.3.

For areas having fixed seating without dividing arms, the occupant load shall be not less than the number of seats based on one person for each 18 inches (457 mm) of seating length.

The occupant load of seating booths shall be based on one person for each 24 inches (610 mm) of booth seat length measured at the backrest of the seating booth.

**1005.3.2 Other Egress Components**  
The capacity, in inches, of means of egress components other than stairways shall be calculated by multiplying the occupant load served by such component by a means of egress capacity factor of 0.2 inch (5.1 mm) per occupant

**1005.5 Distribution of Minimum Width and Required Capacity**  
Where more than one exit, or access to more than one exit, is required, the means of egress shall be configured such that the loss of any one exit, or access to one exit, shall not reduce the available capacity or width to less than 50 percent of the required capacity or width.

**1007.1.1 Two Exits or Exit Access Doorways**  
Where two exits, exit access doorways, exit access stairways or ramps, or any combination thereof, are required from any portion of the exit access, they shall be placed a distance apart equal to not less than one-half of the length of the maximum overall diagonal dimension of the building or area to be served measured in a straight line between them. Interlocking or scissor stairways shall be counted as one exit stairway.

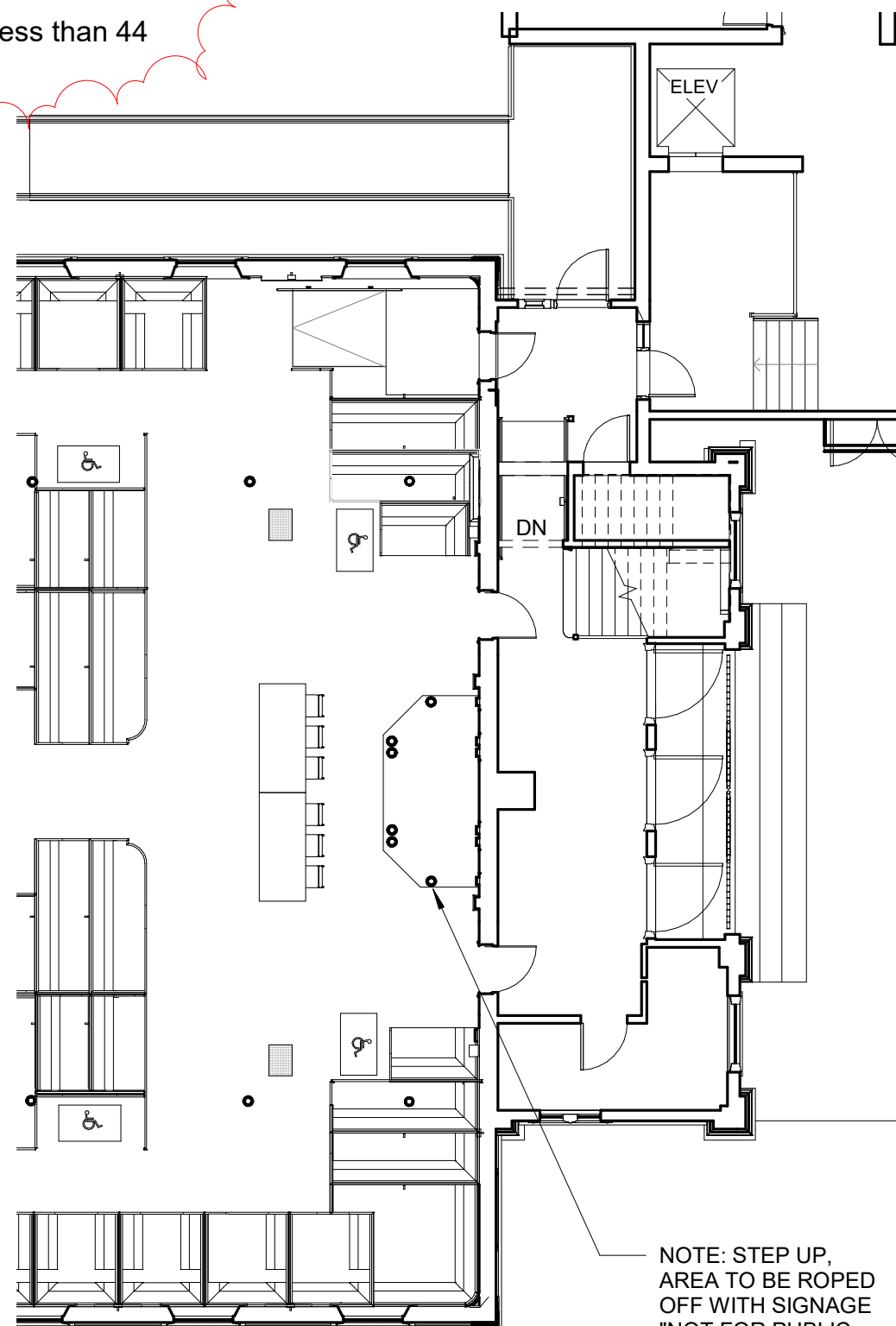
**Exceptions:**  
Where a building is equipped throughout with an automatic sprinkler system in accordance with Section 903.3.1.1 or 903.3.1.2, the separation distance shall be not less than one-third of the length of the maximum overall diagonal dimension of the area served.

**1009.1 Accessible Means of Egress Required**  
Accessible means of egress shall comply with this section. Accessible spaces shall be provided with not less than one accessible means of egress. Where more than one means of egress is required by Section 1006.2 or 1006.3 from any accessible space, each accessible portion of the space shall be served by not less than two accessible means of egress.

Definition: Accessible Means of Egress - A continuous and unobstructed means of egress travel from any accessible point in a building or facility to a public way.

**1010.1.6 Landings at Doors**  
Landings shall have a width not less than the width of the stairway or the door, whichever is greater.  
Doors in the fully open position shall not reduce a required dimension by more than 7 inches (178 mm).  
Where a landing serves an occupant load of 50 or more, doors in any position shall not reduce the landing to less than one-half its required width.  
Landings shall have a length measured in the direction of travel of not less than 44 inches (1118 mm).

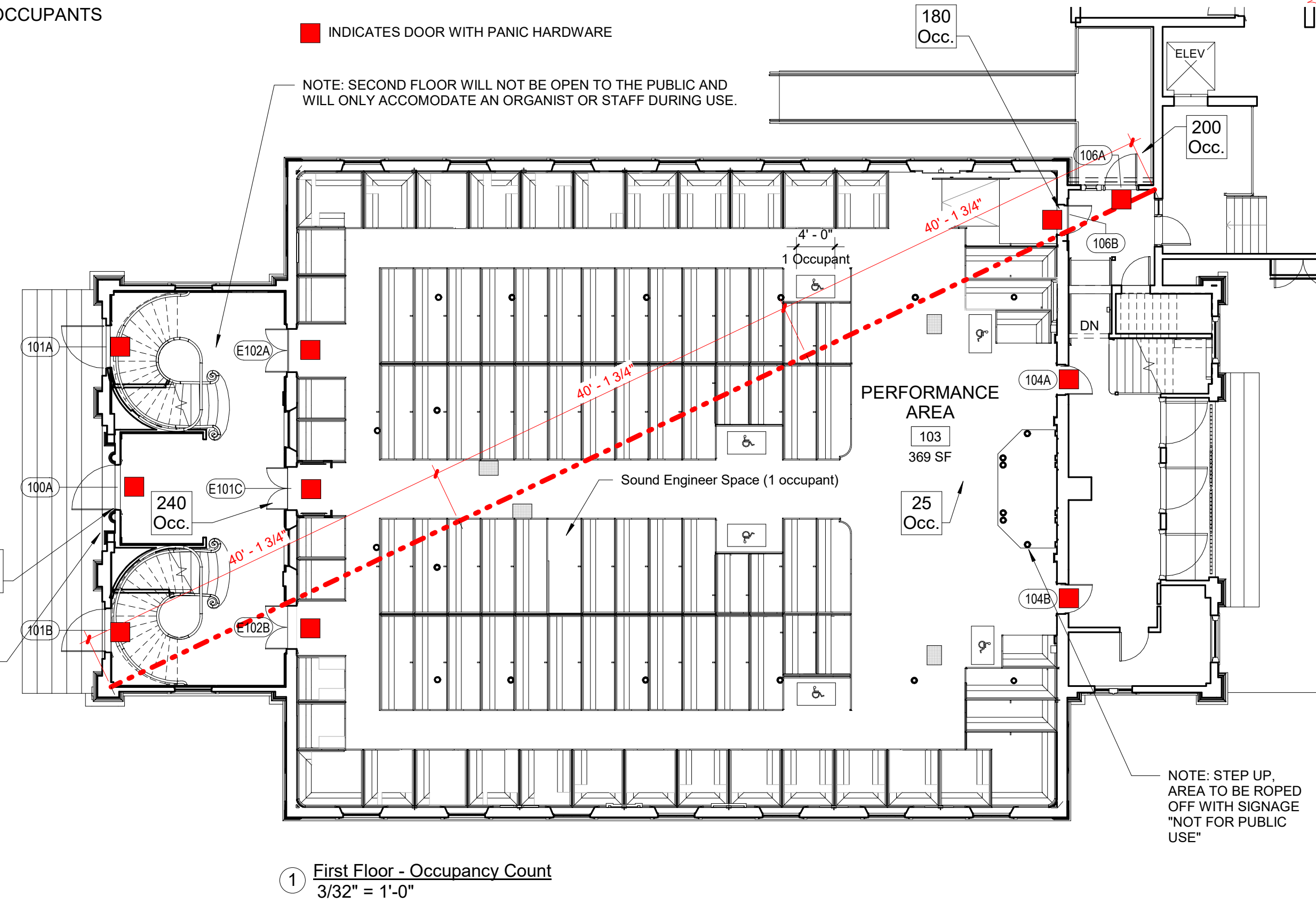
Table 1108.2.2.1 Accessible Wheelchair Spaces	
Capacity of Seating in Assembly Areas	Minimum Required Number of Wheelchair Spaces
4 to 25	1
26 to 50	2
51 to 100	4
101 to 200	5
201 to 500	6
501 to 5,000	6, plus 1 for each 150, or fraction thereof, between 501 through 5,000
5,001 and over	36 plus 1 for each 200, or fraction thereof, over 5,000



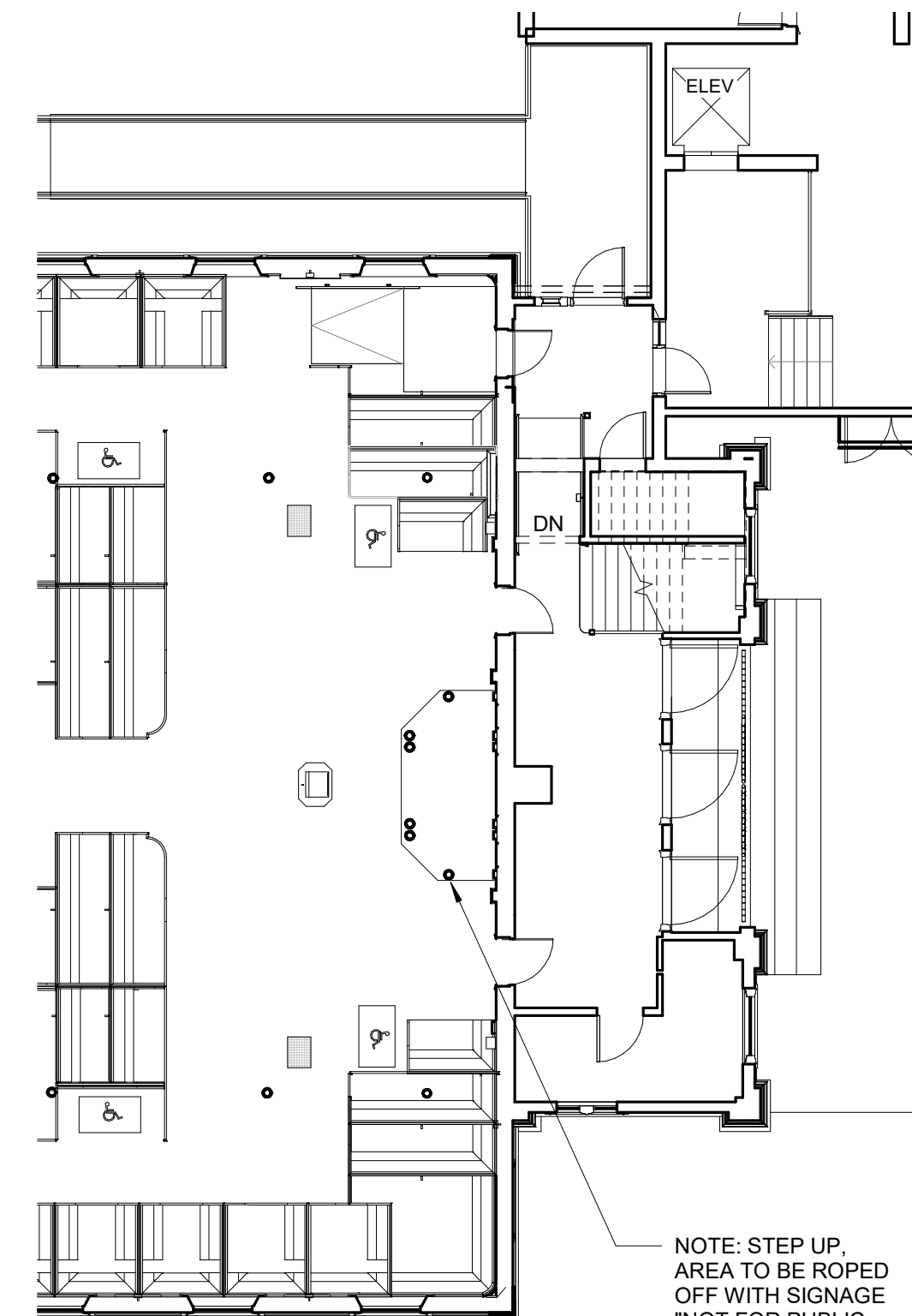
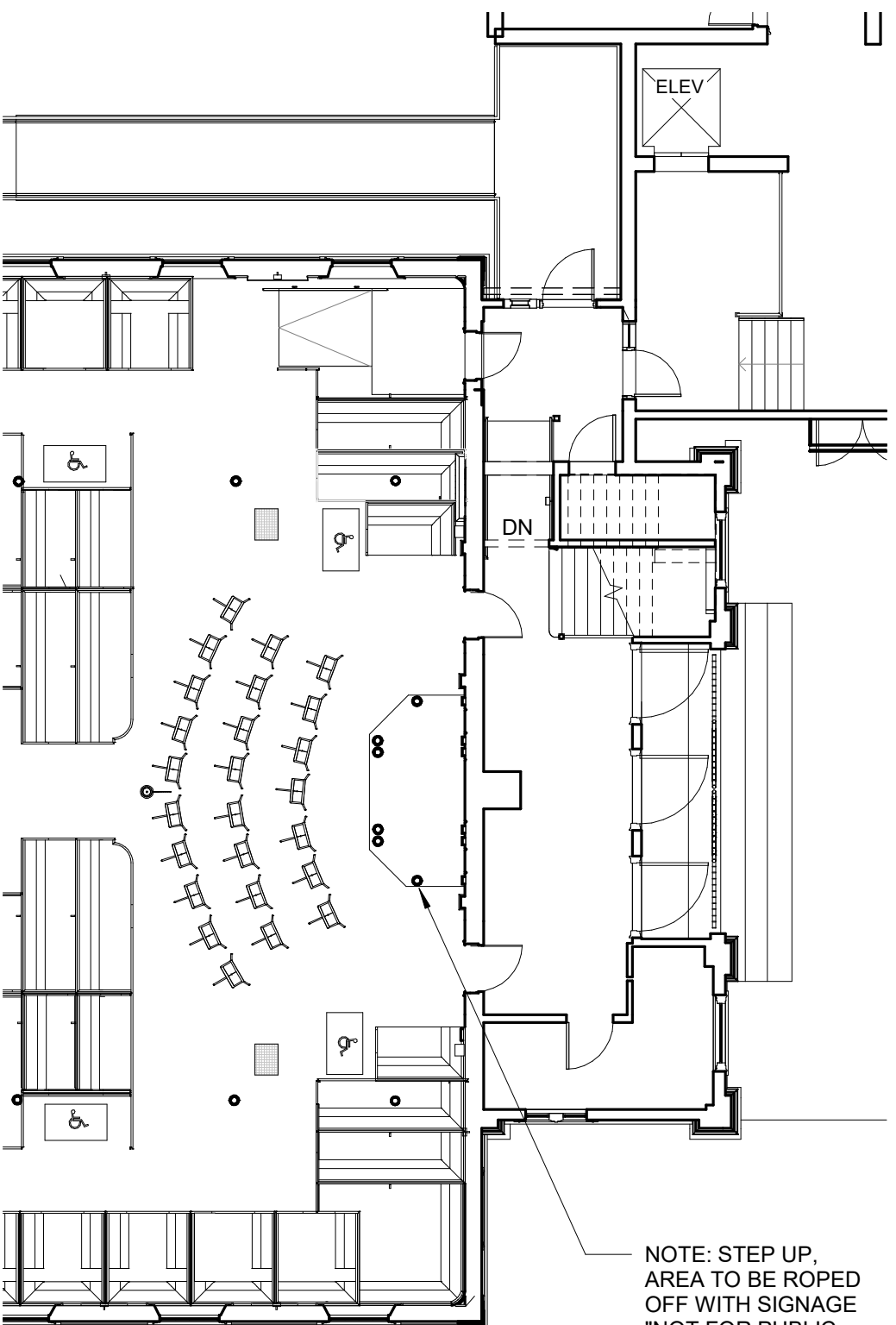
5 Performance Area - Speaker Panel  
3/32" = 1'-0"

**TOTAL OCCUPANCY COUNTS**  
**BY SEATING:**  
1st Floor total seats (18" per person at pews):  
  
Total in pews: 395 OCCUPANTS  
Performance Area: 369 SF / 15 net = 25 OCCUPANTS  
  
TOTAL OCCUPANTS: 395+25 = 420 OCCUPANTS

**BY EGRESS DOOR CAPACITY:**  
Egress door width - These calculations were done with the narrowest door along the egress path.  
  
Door 106B = 36" wide / 0.2" = 180  
Door E101C = 48" wide / 0.2" = 240  
TOTAL ALLOWABLE: 420 OCCUPANTS



4 Performance Area - Musical Performance  
3/32" = 1'-0"



3 Performance Area - Single Speaker  
3/32" = 1'-0"

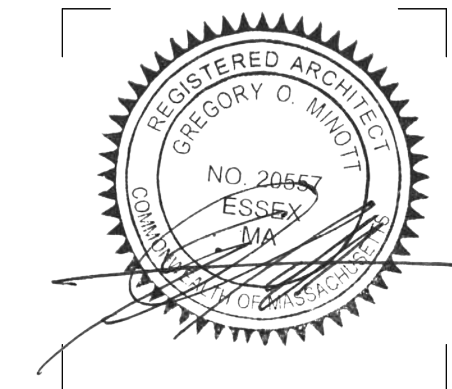
**FIRST CHURCH**  
**OF ROXBURY**

10 Putnam St  
Roxbury, MA

**CONSTRUCTION**  
**DOCUMENTS**

April 4, 2022

No.	Description	Date
1	ISD Revisions	07/06/22

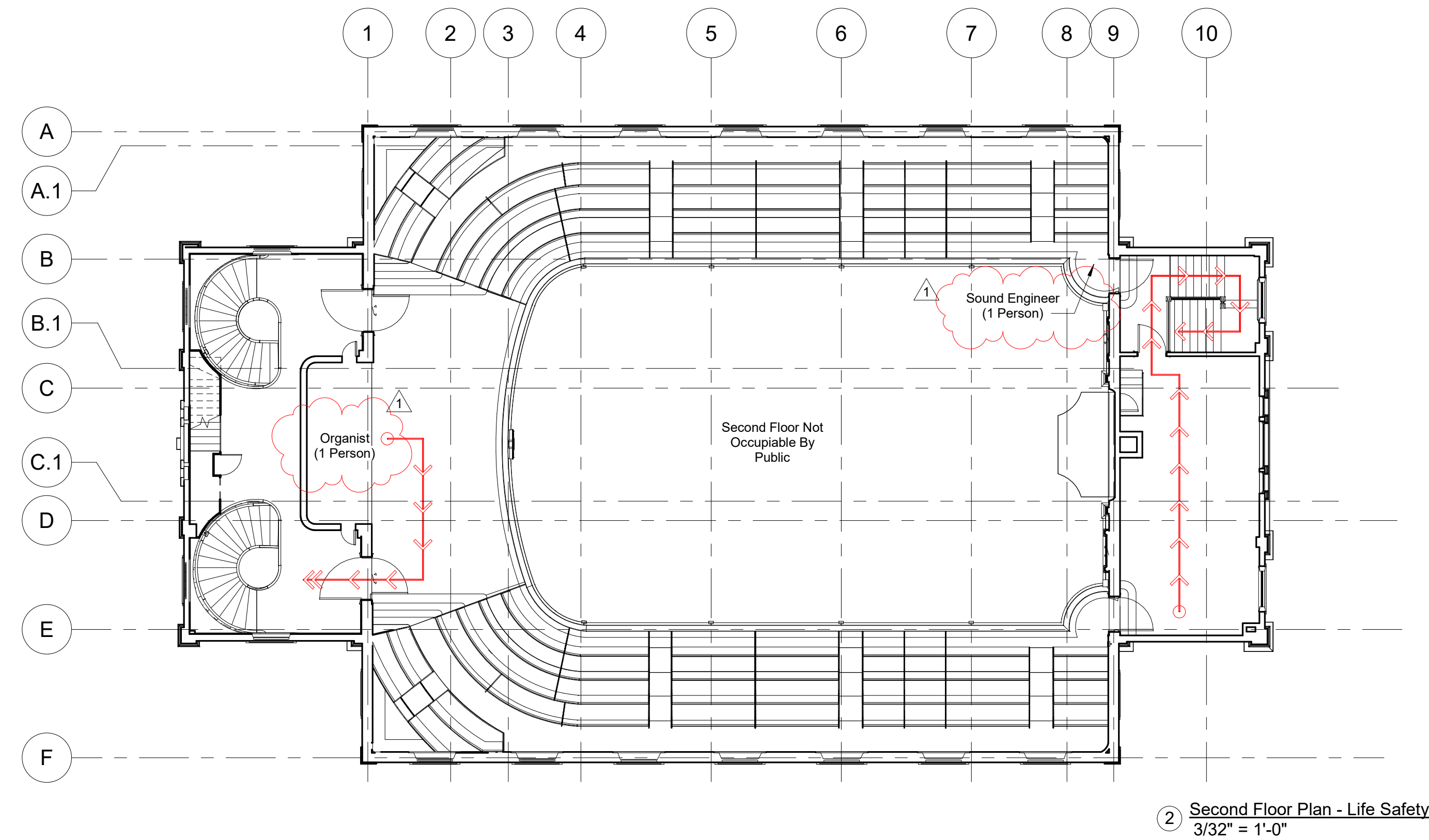


**OCCUPANCY**  
**G003**

Scale As indicated



7/16/2022 1:44:28 PM



**LIFE SAFETY LEGEND**

\* CODE MINIMUM RATING; SEE PLAN FOR ASSEMBLIES

-----

1/2-HR FIRE PARTITION W/ 20 MIN. DOORS

-----

1-HR FIRE PARTITION W/ 45 MIN. DOORS

-----

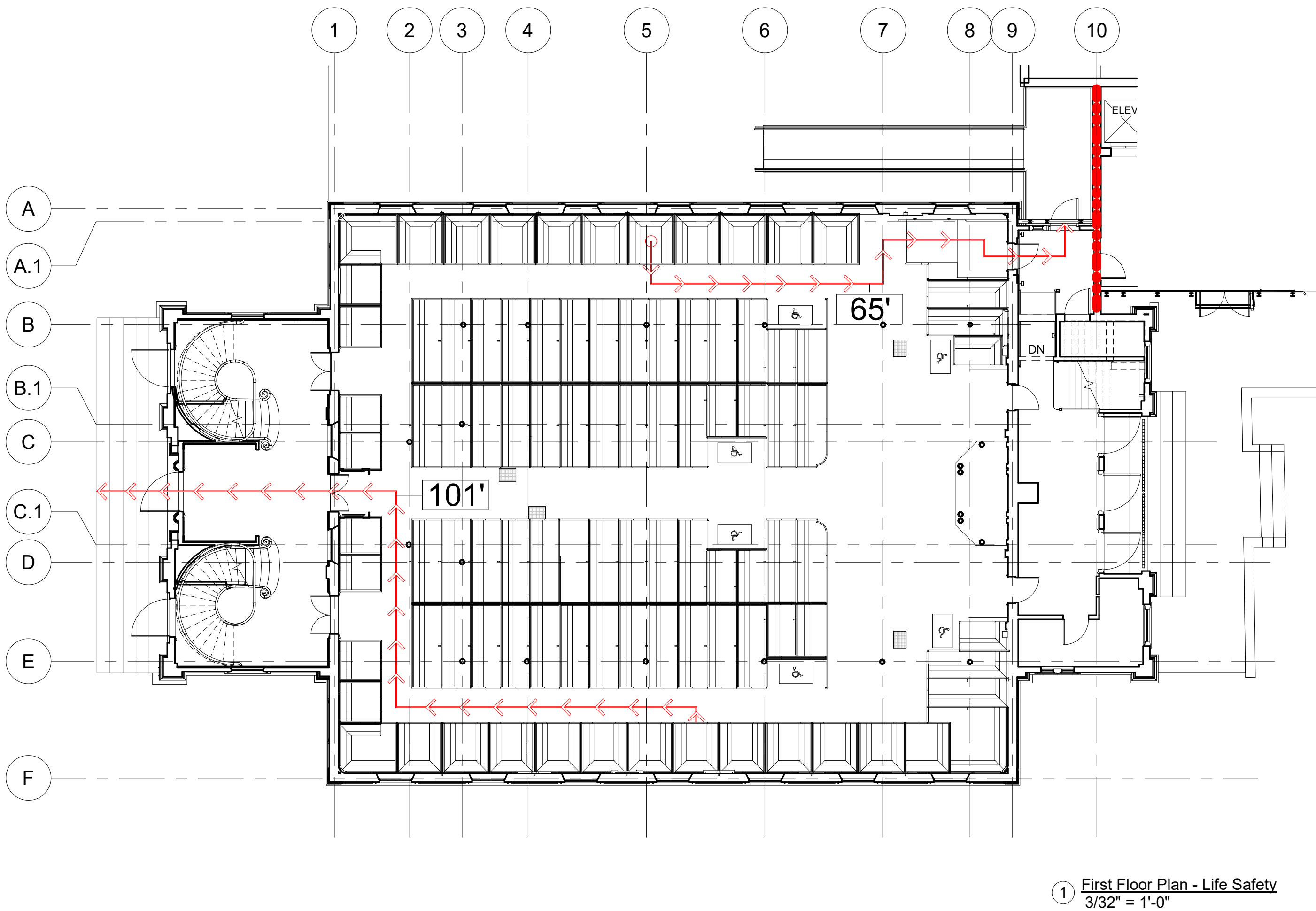
2-HR FIRE PARTITION W/ 90 MIN. DOORS

-----

3-HR FIRE PARTITION W/ 3 HOUR DOORS

X -> -> -> ->

EGRESS PATH



**D/R/E/A/M**  
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tel: 617.606.7029  
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**OWNER**  
Unitarian Universalist Urban Ministry  
10 Putnam Street  
Roxbury, MA 02119

**EXISTING DOCUMENTATION**  
Existing Conditions  
617-247-9161

**ELECTRICAL**  
D's Electric  
617-542-2000

**STRUCTURAL ENGINEERING**  
Structures North  
John Watne  
(508) 801-6817

**MEP**  
Norlan/Siani Engineering, INC.  
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DavidW@ns-engineering.com  
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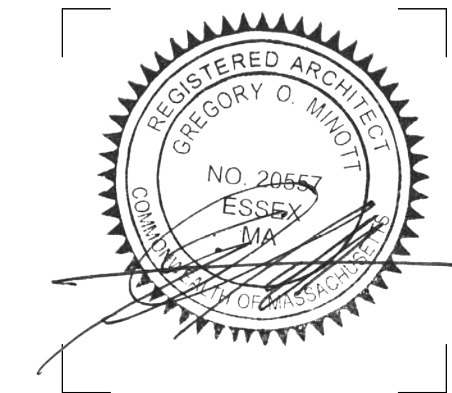
**FIRST CHURCH  
OF ROXBURY**

10 Putnam St  
Roxbury, MA

**CONSTRUCTION  
DOCUMENTS**

April 4, 2022

No.	Description	Date
1	ISD Revisions	07/06/22



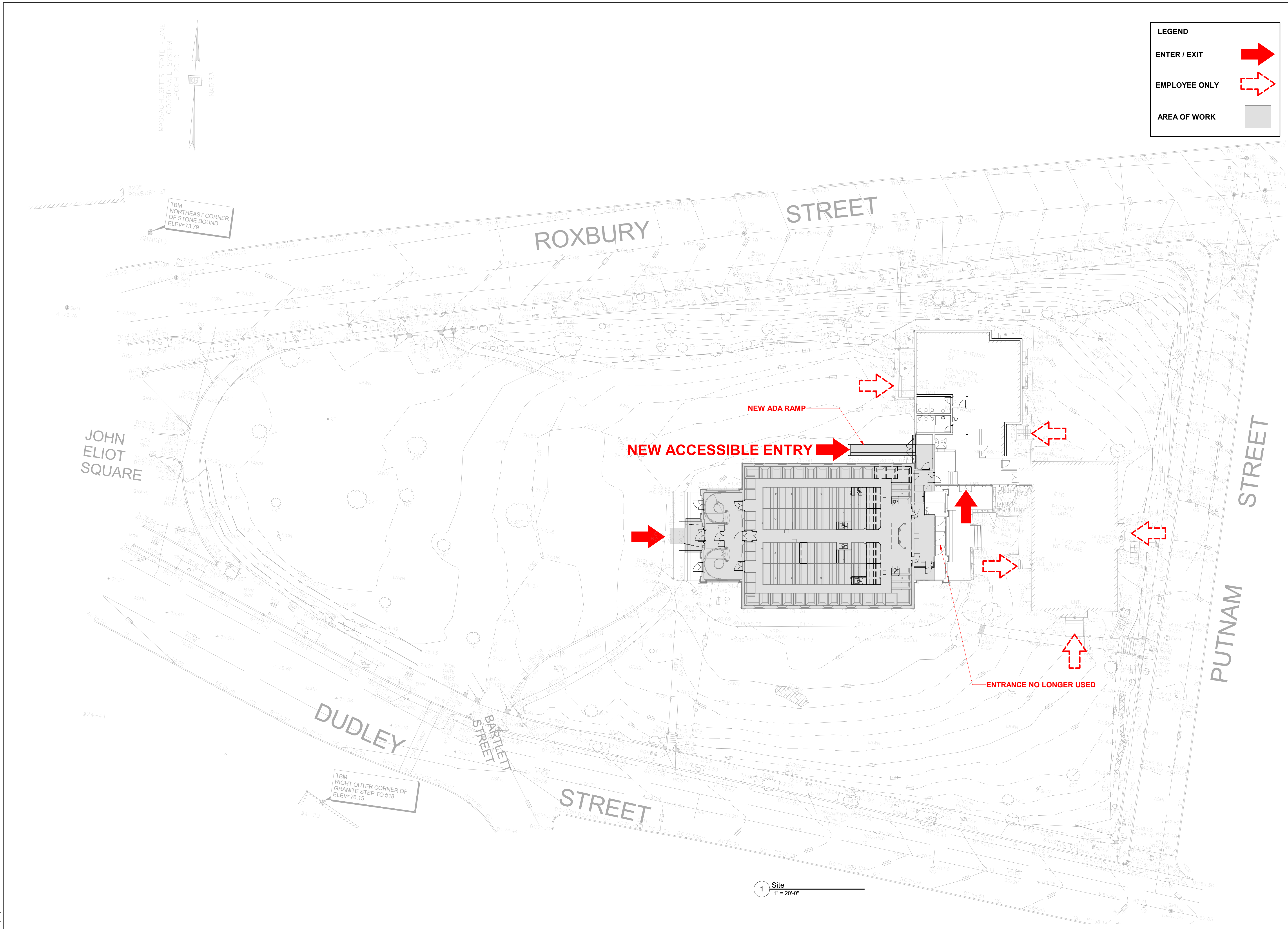
**LIFE SAFETY**

**G004**

Scale As indicated



4/6/2022 10:34:16 AM



**LEGEND**

**ENTER / EXIT**

**EMPLOYEE ONLY**

**AREA OF WORK**

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steve@prevcoaudio.com  
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## FIRST CHURCH OF ROXBURY

10 Putnam St  
Roxbury, MA

### CONSTRUCTION DOCUMENTS

April 4, 2022

No.	Description	Date

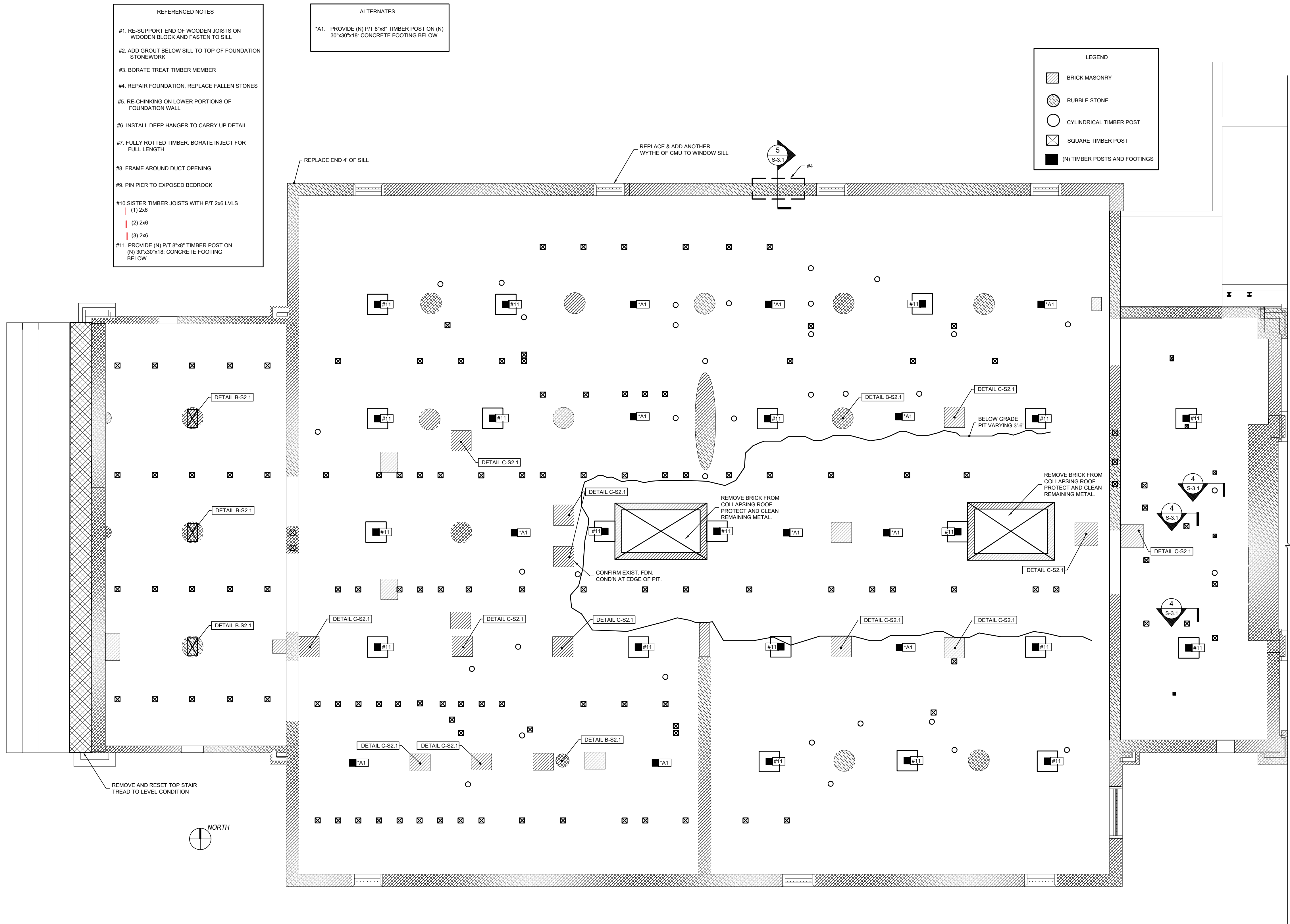


### SITE ACCESS AND AREA OF WORK

**G005**

Scale 1" = 20'-0"





PROJECT:  
**First Church of  
Roxbury**

LOCATION:  
10 Putnam St.,  
Boston, MA. 02119

Date: 4/01/2022  
Checked By: JMW  
Drawn By: JB  
Revisions:

Scale: As Noted

Concrete Foundation  
Plan

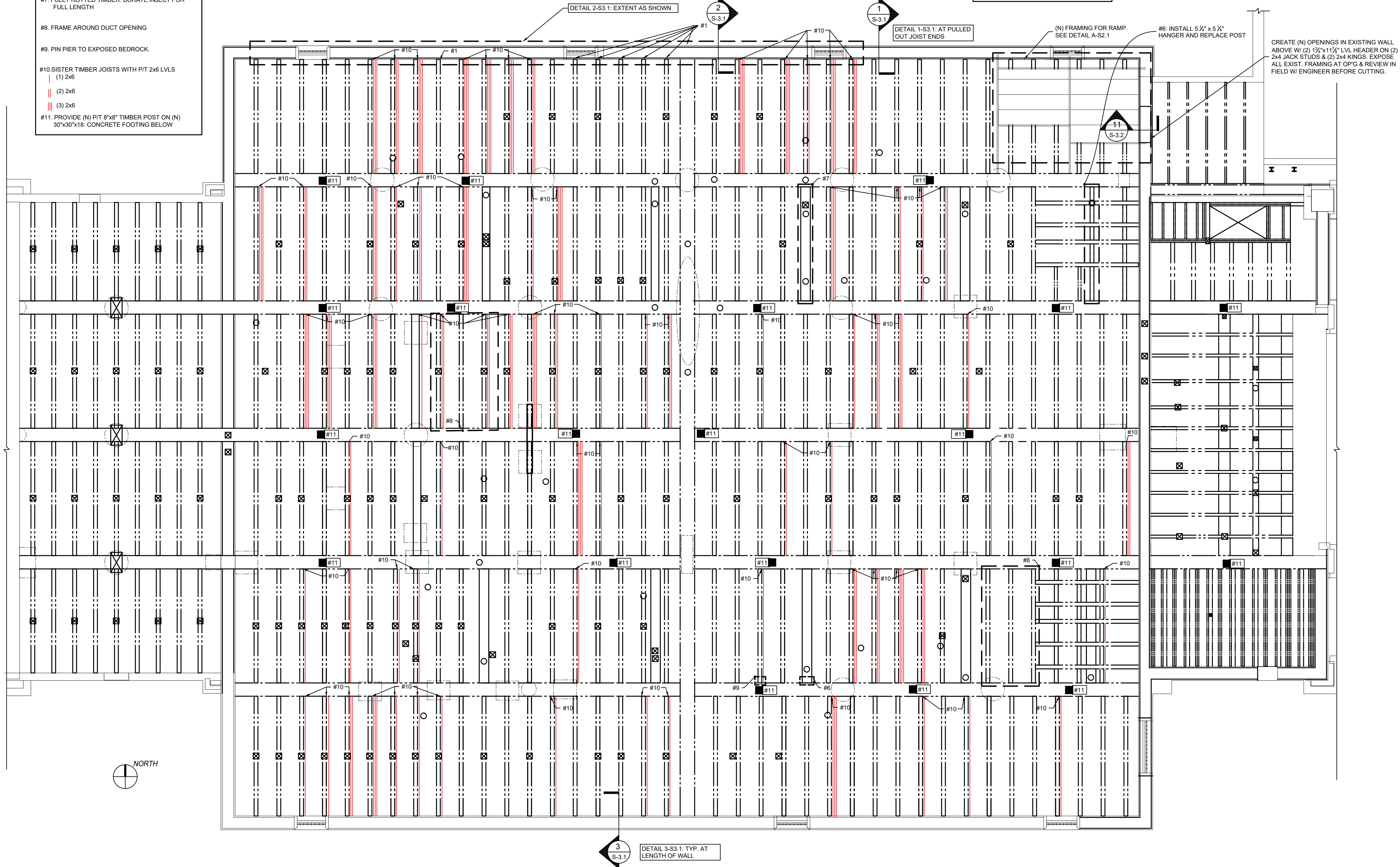
S-1.1



- REFERENCED NOTES
- #1. RE-SUPPORT END OF WOODEN JOISTS ON WOODEN BLOCK AND FASTEN TO SILL
- #2. ADD GROUT BELOW SILL TO TOP OF FOUNDATION STONEWORK
- #3. BORATE TREAT TIMBER MEMBER
- #4. REPAIR FOUNDATION, REPLACE FALLEN STONES
- #5. RE-CHINKING ON LOWER PORTIONS OF FOUNDATION WALL
- #6. INSTALL DEEP HANGER TO CARRY UP DETAIL
- #7. FULLY ROTTED TIMBER. BORATE INJECT FOR FULL LENGTH
- #8. FRAME AROUND DUCT OPENING
- #9. PIN PIER TO EXPOSED BEDROCK
- #10. SISTER TIMBER JOISTS WITH P/T 2x6 LVLs
- (1) 2x6
- (2) 2x6
- (3) 2x6
- #11. PROVIDE (N) P/T 8"x8" TIMBER POST ON (N) 30"x30"x18" CONCRETE FOOTING BELOW

NOTE: #3 BORATE TREAT ALL TIMBER MEMBERS

- LEGEND
- BRICK MASONRY
- RUBBLE STONE
- CYLINDRICAL TIMBER POST
- SQUARE TIMBER POST
- (N) TIMBER POSTS AND FOOTINGS



PROJECT:  
**First Church of  
Roxbury**

LOCATION:  
10 Putnam St.,  
Boston, MA. 02119

Date: 4/01/2022

Checked By: JMW

Drawn By: JB

Revisions:

Scale: As Noted

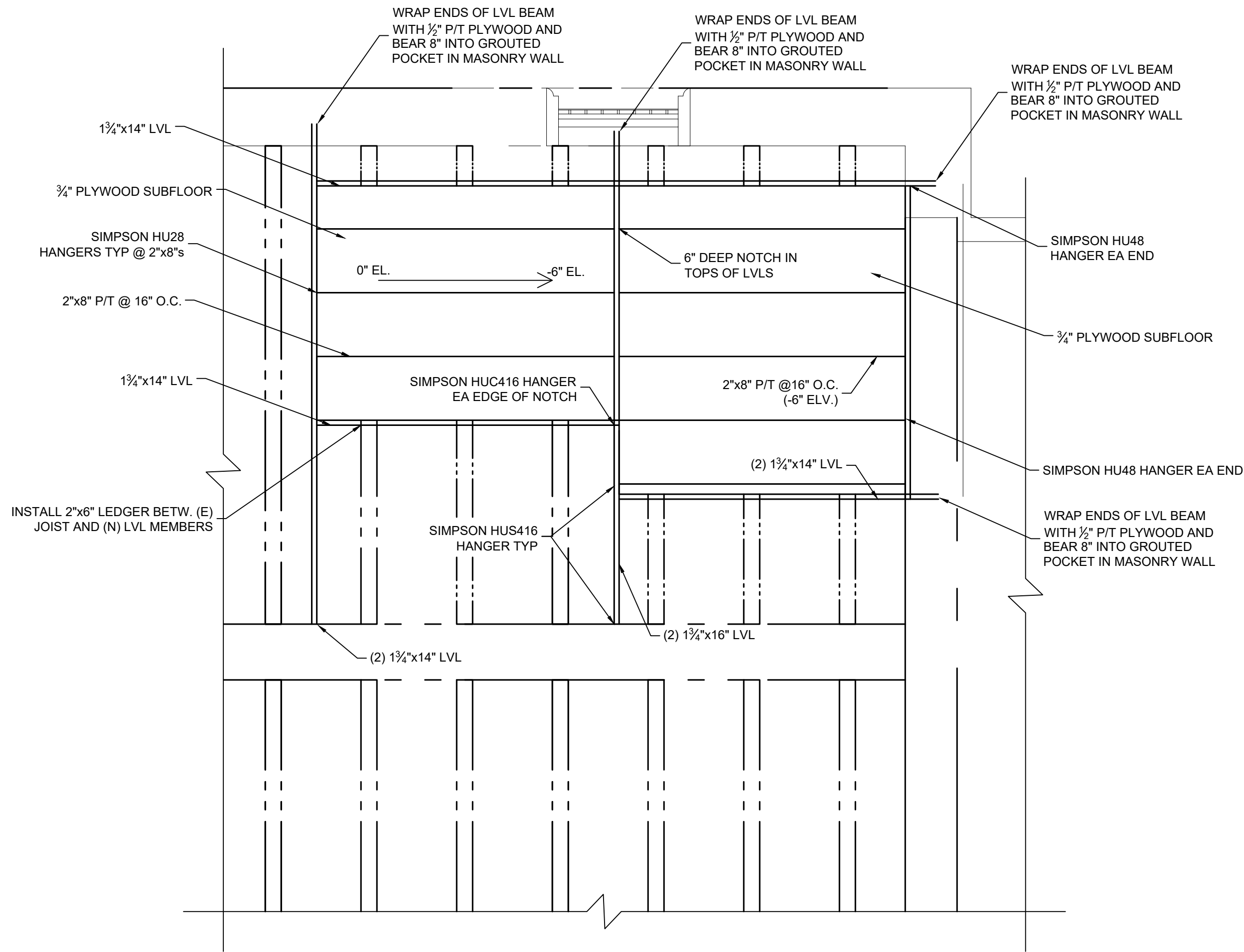
Meetinghouse Floor  
Framing

S-1.2

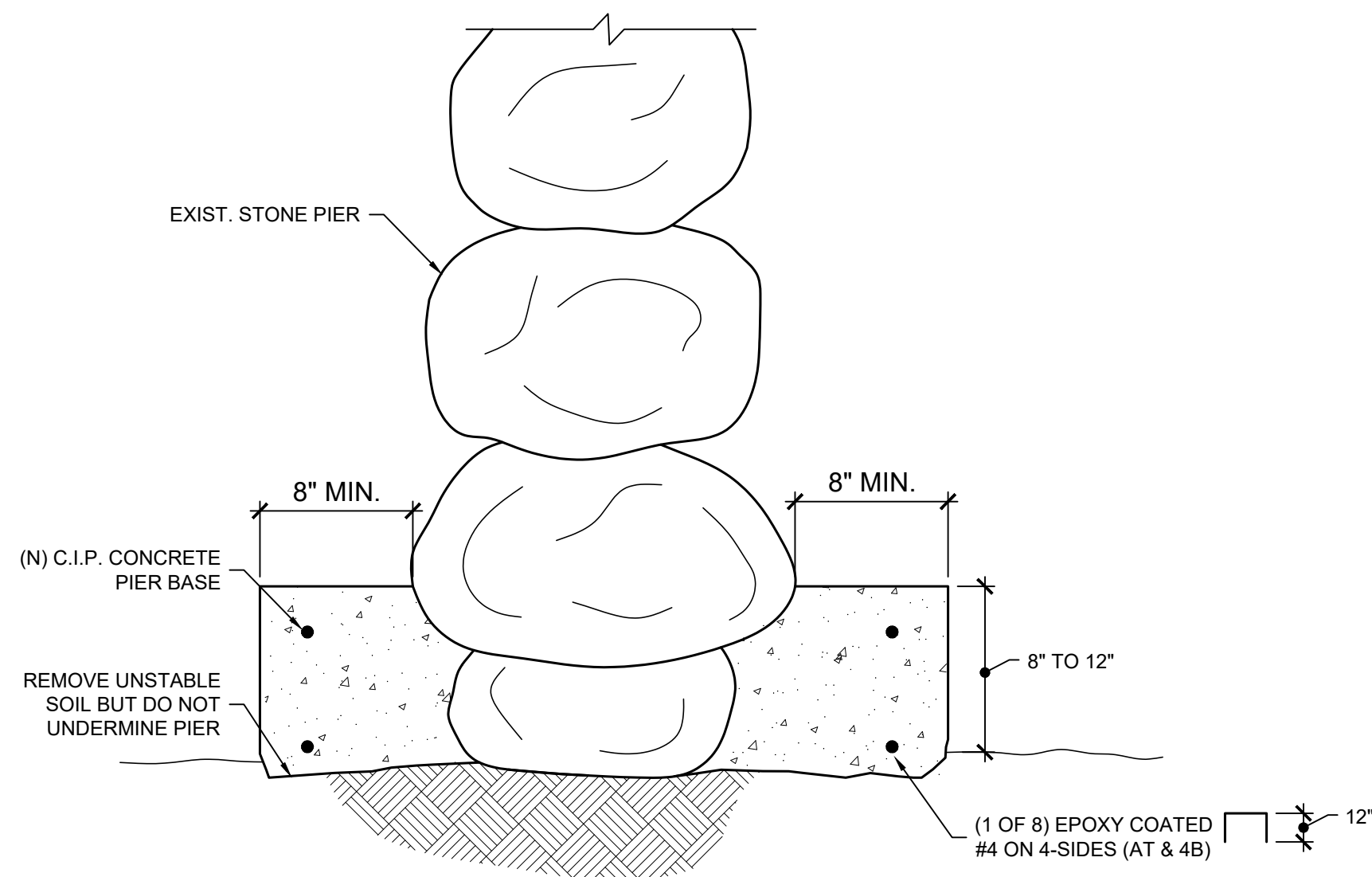


PROJECT:  
**First Church of  
Roxbury**

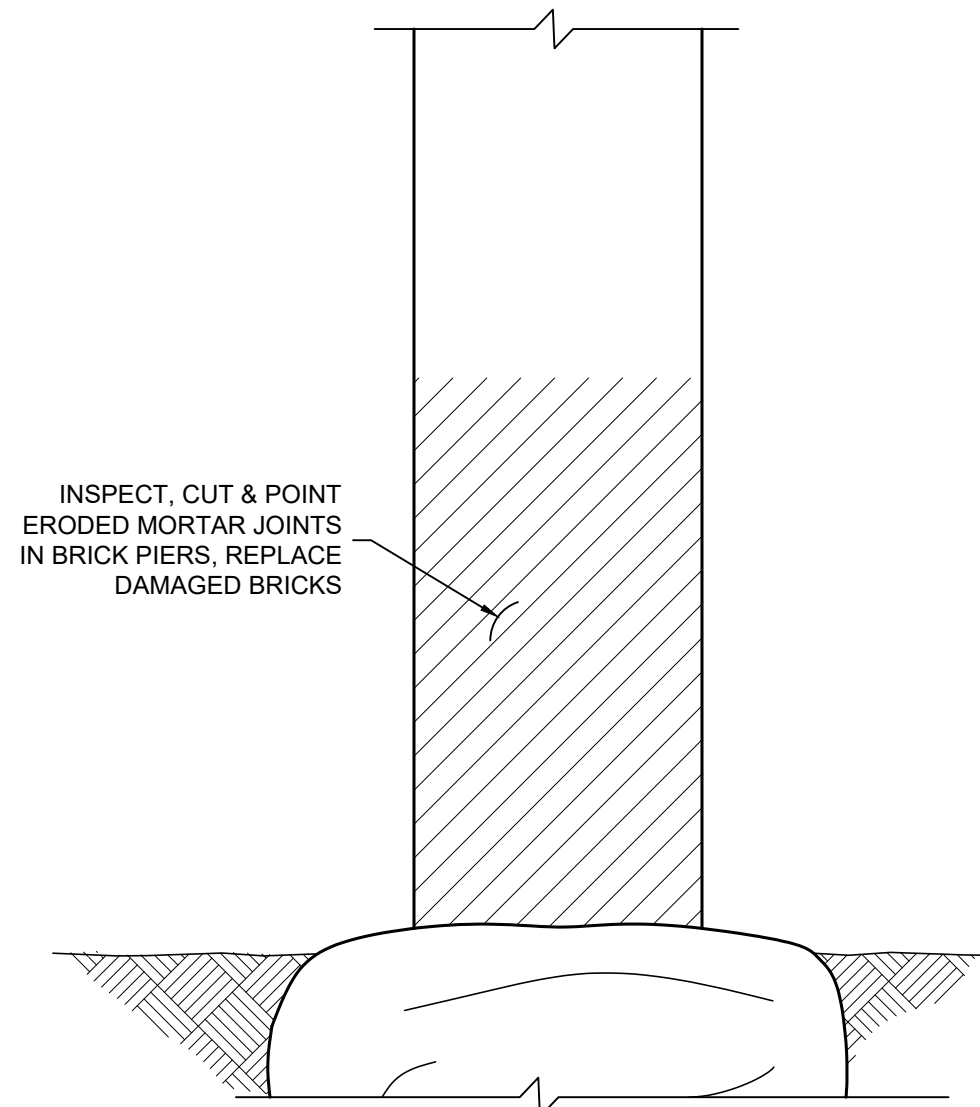
LOCATION:  
10 Putnam St.,  
Boston, MA. 02119



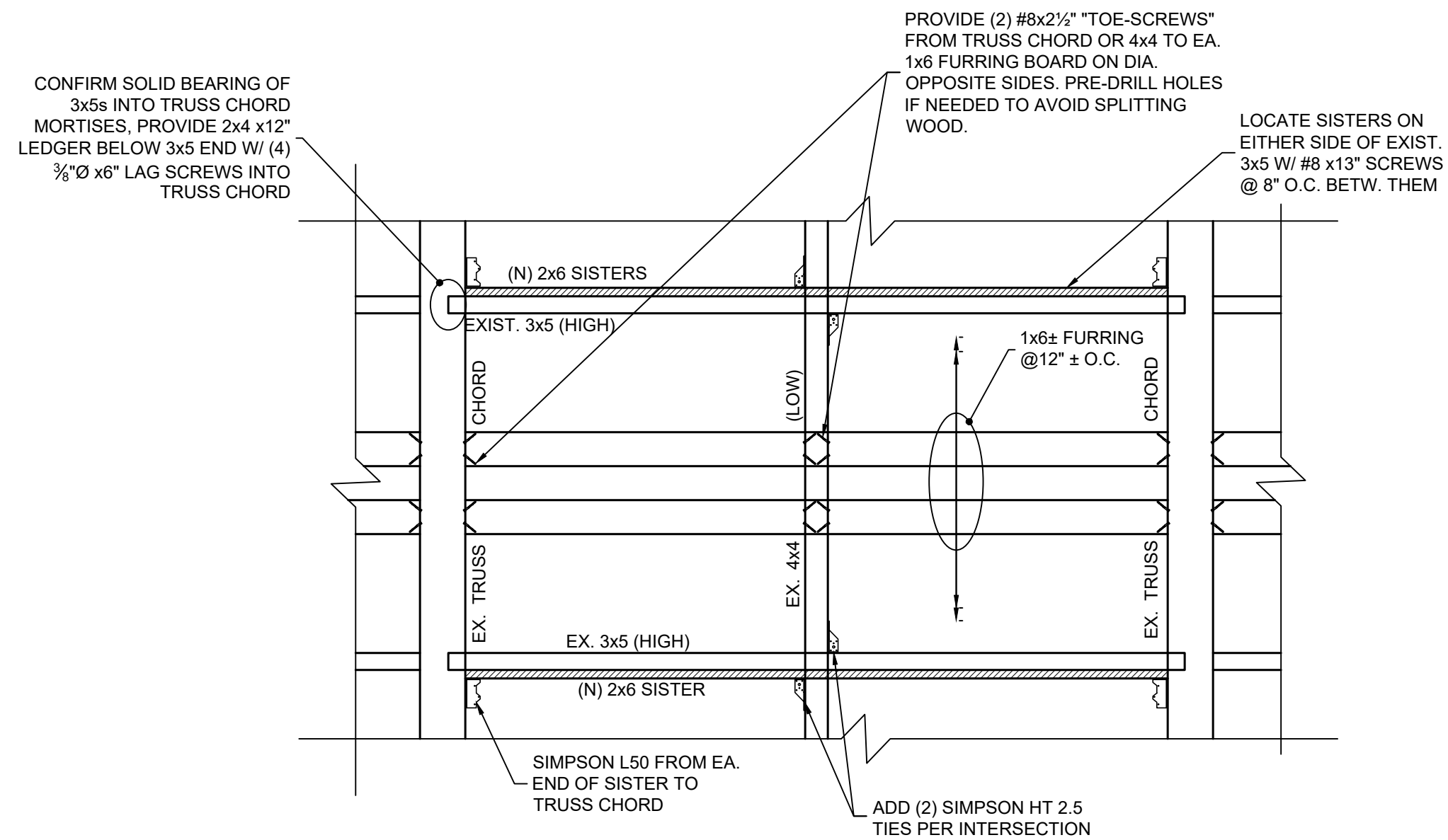
**A RAMP FLOOR FRAMING**  
S-2.1 1/2" = 1'-0"



**B STONE PIER BASE DETAIL**  
S-2.1 1/2" = 1'-0"



**C BRICK MASONRY PIER BASE DETAIL**  
S-2.1 1/2" = 1'-0"



NOTE: SEE ARCH. DWGS FOR EXTENT OF GWB INSTALLATION

**D TYP. MEETINGHOUSE CEILING REINFORCING FOR GWB SUPPORT**  
S-2.1 1/2" = 1'-0"

NOTE: CONSTRUCT ONE SINGLE BAY MOCKUP FOR REVIEW AND APPROVAL BY ARCHITECT BEFORE CONSTRUCTIVE REMAINDER OF WORK

Date: 4/01/2022

Checked By: JMW

Drawn By: JB

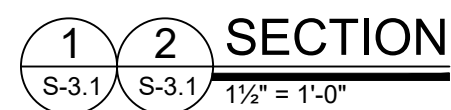
Revisions:

Scale: As Noted

Framing Details

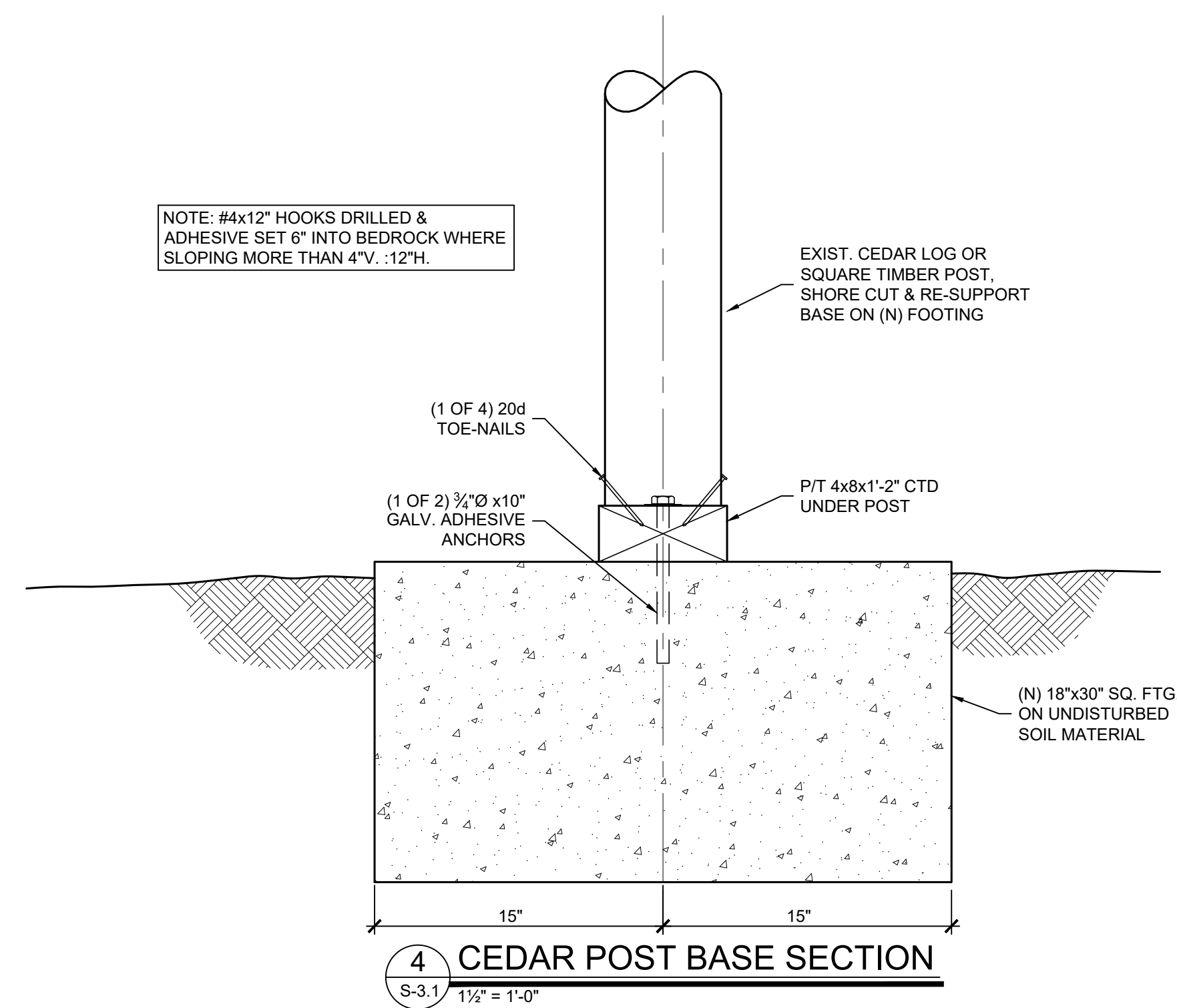
S-2.1



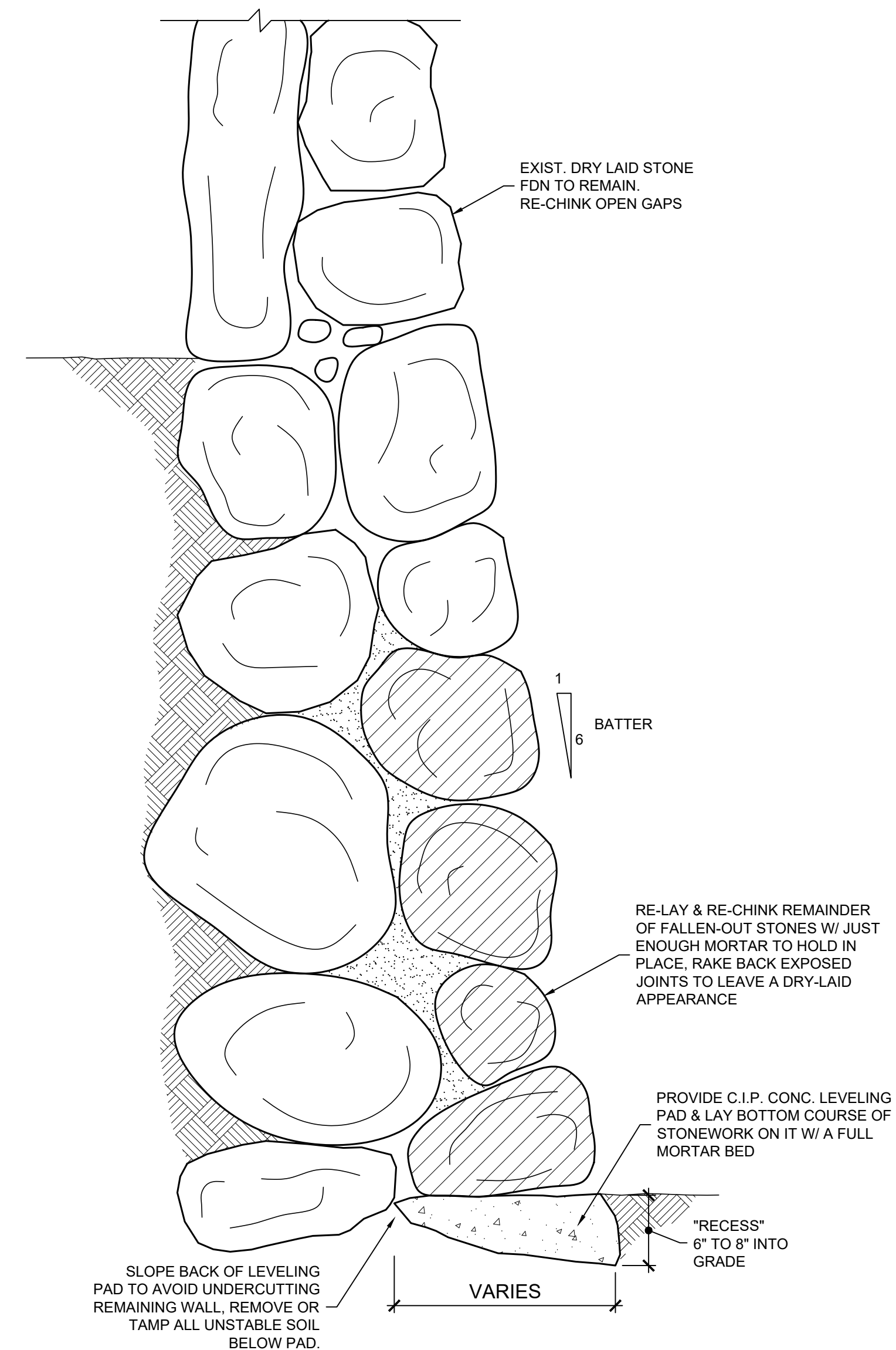


REMOVE ROTTED EDGE OF SILL, BORATE-TREAT REMAINING WOOD & BOTTOM OF SILL. FILL GAP W/ RESTORATION GROUT

3 SECTION  
S-3.1 1½" = 1'-0"

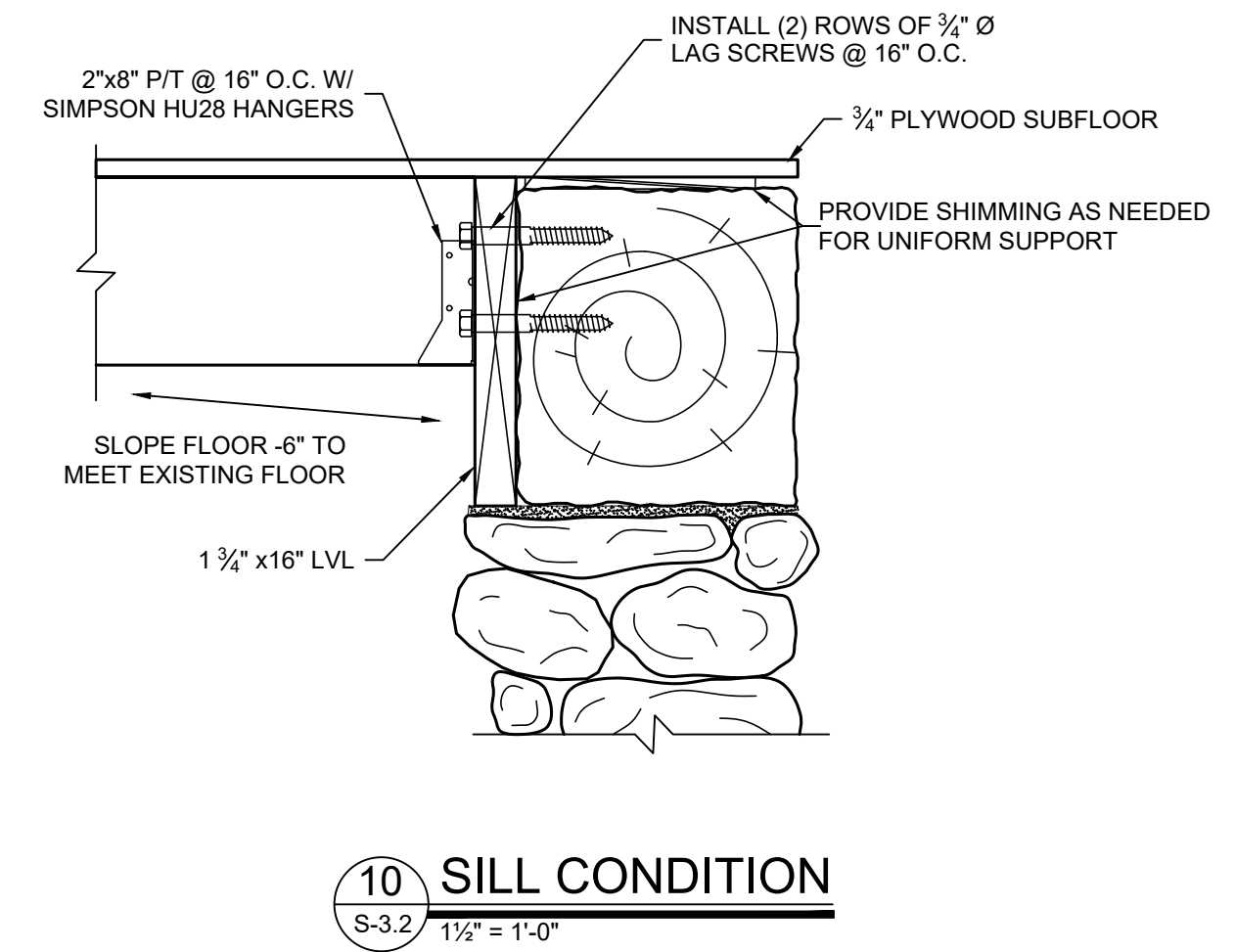


4 CEDAR POST BASE SECTION  
S-3.1 1½" = 1'-0"



**5 FOUNDATION REPAIR SECTION AT WALL**



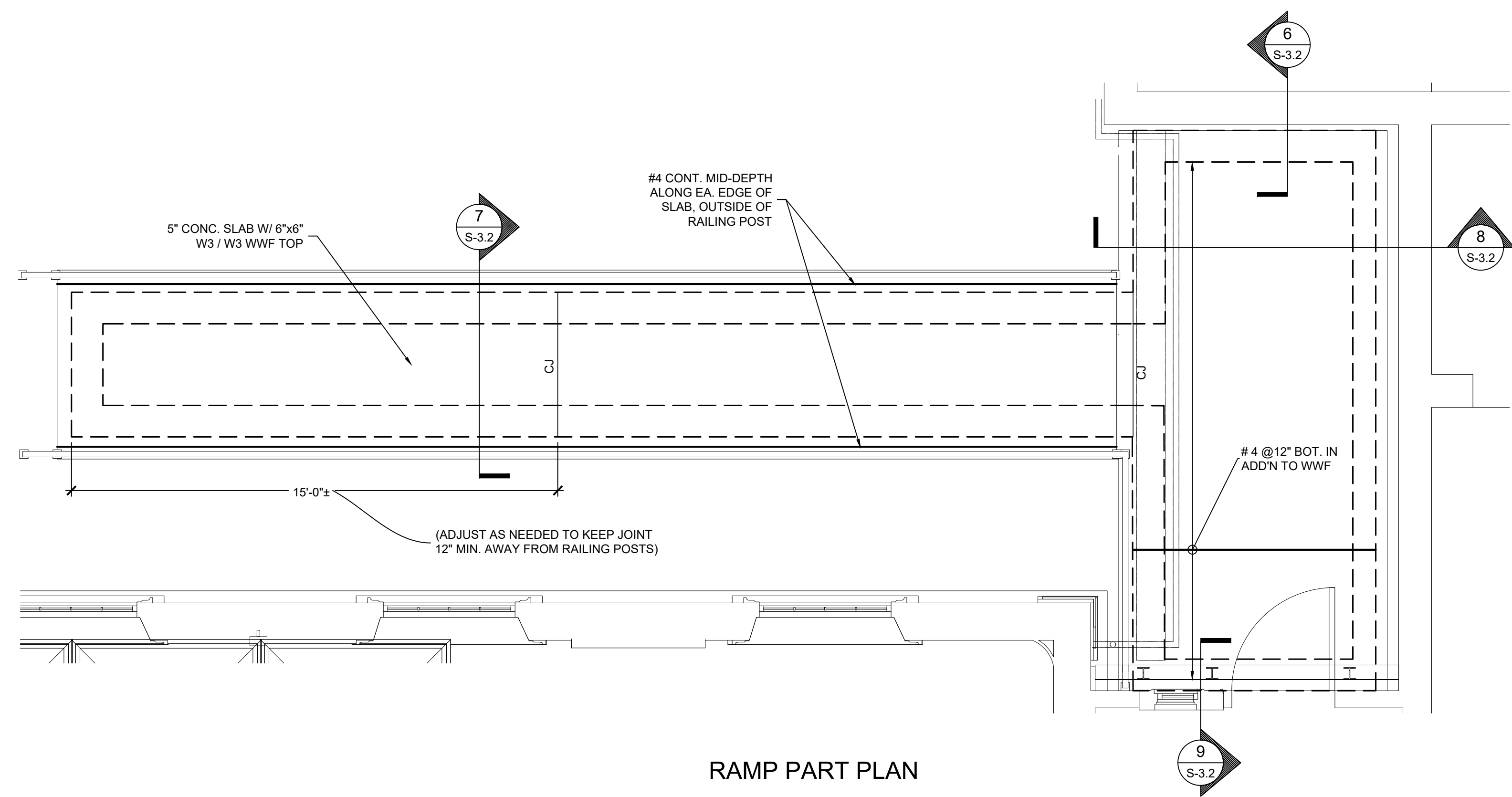


Date: 4/01/2022  
Checked By: JMW  
Drawn By: JB  
Revisions:

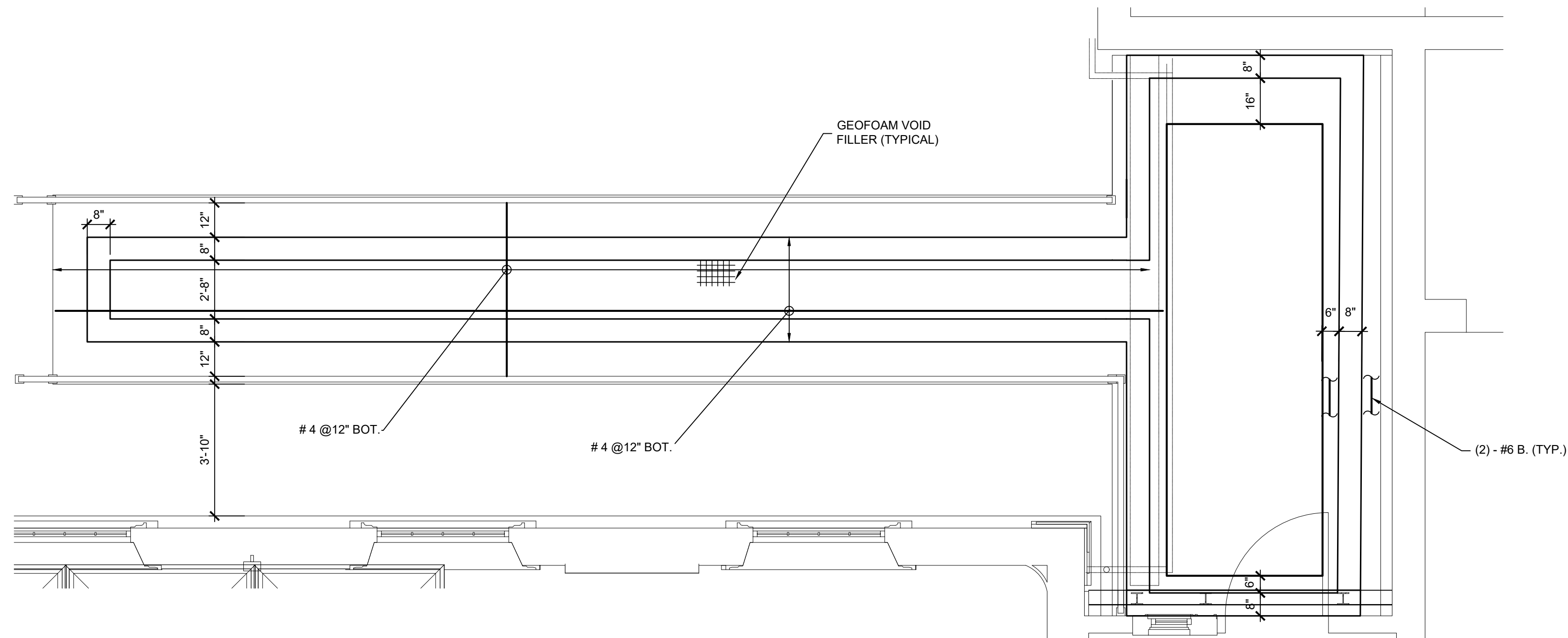
Scale: As Noted

## Ramp and Stair Sections





RAMP PART PLAN



RAMP PART FOUNDATION PLAN

PROJECT:  
**First Church of  
Roxbury**

LOCATION:  
10 Putnam St.,  
Boston, MA. 02119

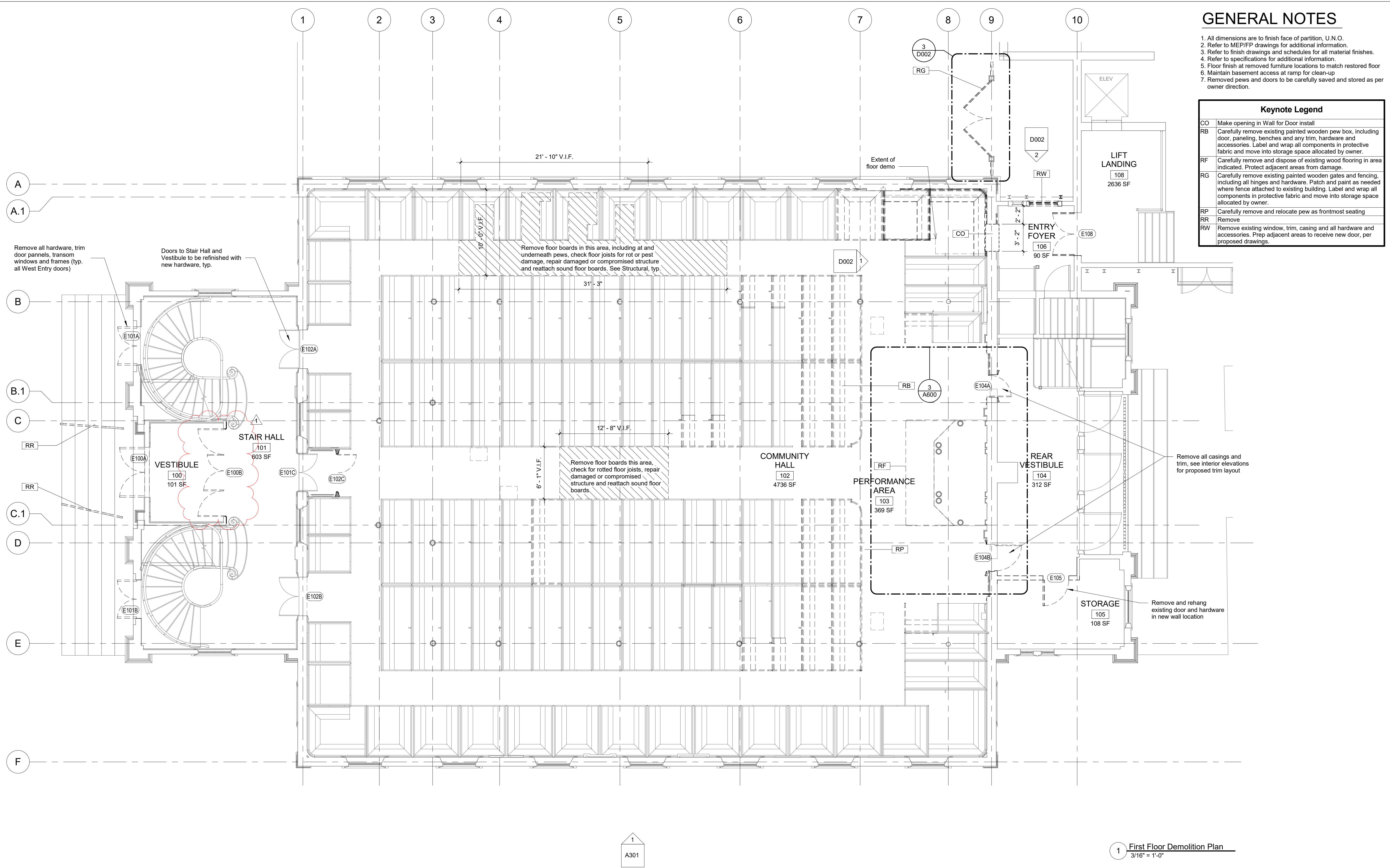
Date: 4/01/2022  
Checked By: JMW  
Drawn By: JB  
Revisions:

Scale: As Noted

Ramp Part Plans



7/16/2022 1:44:04 PM



## FIRST CHURCH OF ROXBURY

10 Putnam St  
Roxbury, MA

## CONSTRUCTION DOCUMENTS

April 4, 2022

No.	Description	Date
1	ISD Revisions	07/06/22



## DEMOLITION LEVEL 1 FLOOR PLAN

# D001

Scale As indicated

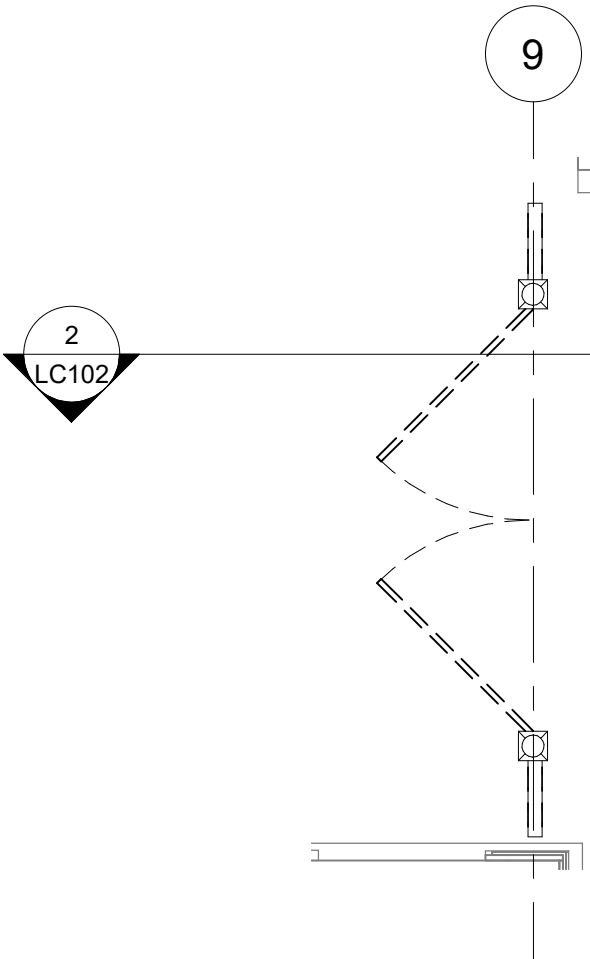




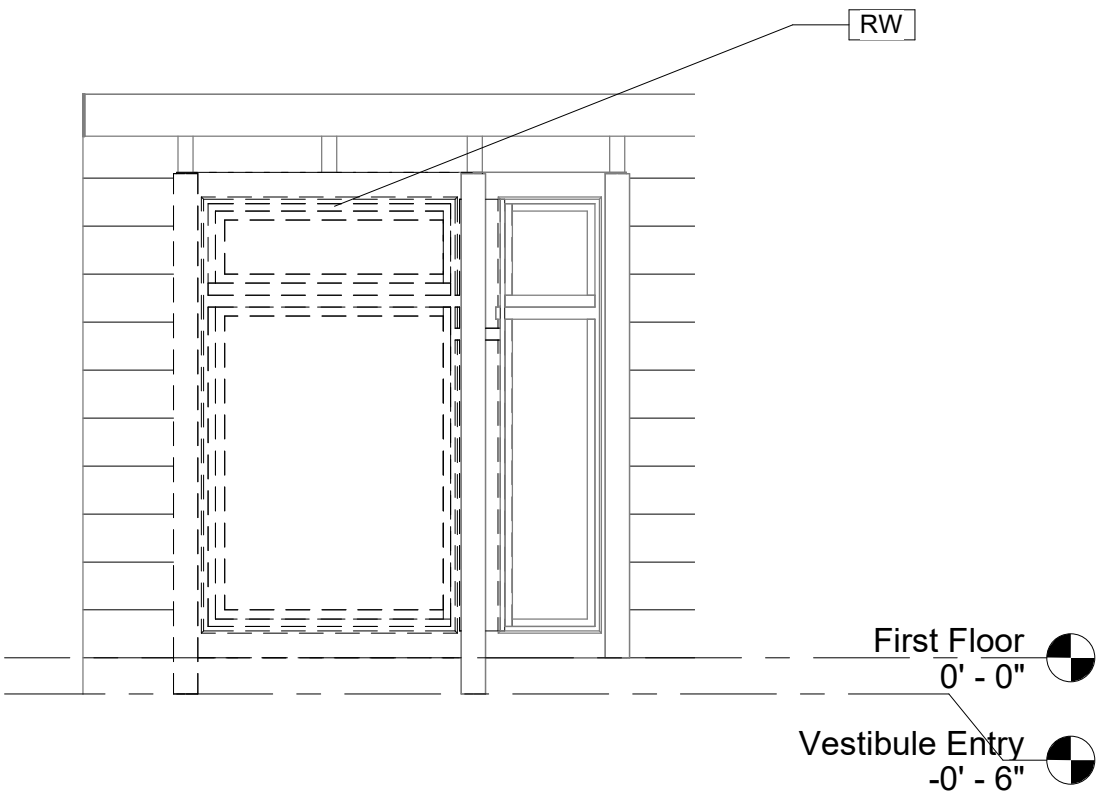
## GENERAL NOTES

1. All dimensions are to finish face of partition, U.N.O.
2. Refer to MEP/FP drawings for additional information.
3. Refer to finish drawings and schedules for all material finishes.
4. Refer to specifications for additional information.
5. Floor finish at removed furniture locations to match restored floor
6. Maintain basement access at ramp for clean-up
7. Removed pews and doors to be carefully saved and stored as per owner direction.

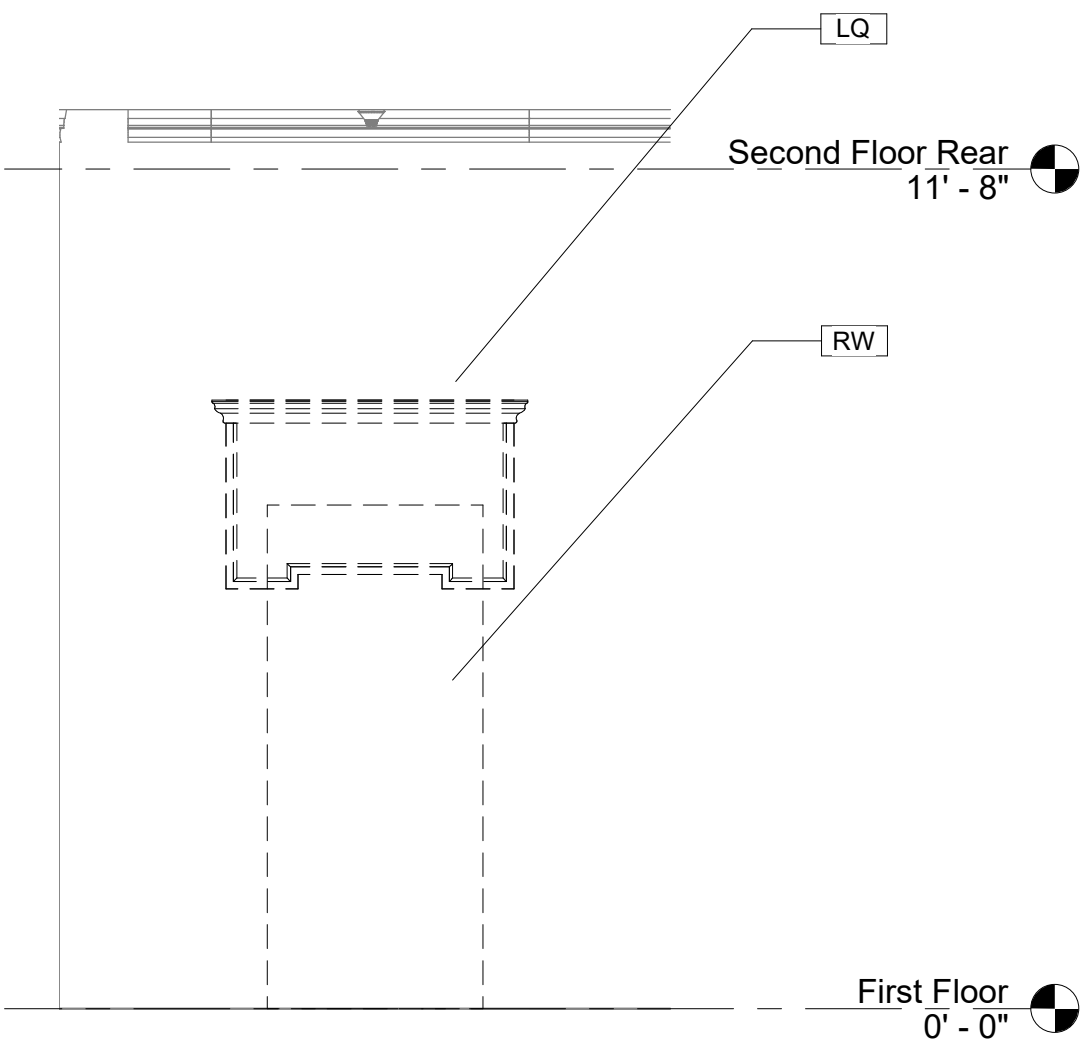
Keynote Legend	
LQ	Remove and relocate plaque above new door.
RW	Remove existing window, trim, casing and all hardware and accessories. Prep adjacent areas to receive new door, per proposed drawings.



③ Piano Gate Demo  
1/4" = 1'-0"



② New Entry Vestibule Demo  
3/8" = 1'-0"



① Ramp Door Elevation  
3/8" = 1'-0"

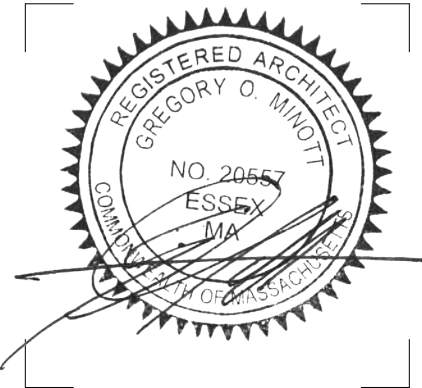
## FIRST CHURCH OF ROXBURY

10 Putnam St  
Roxbury, MA

## CONSTRUCTION DOCUMENTS

April 4, 2022

No.	Description	Date



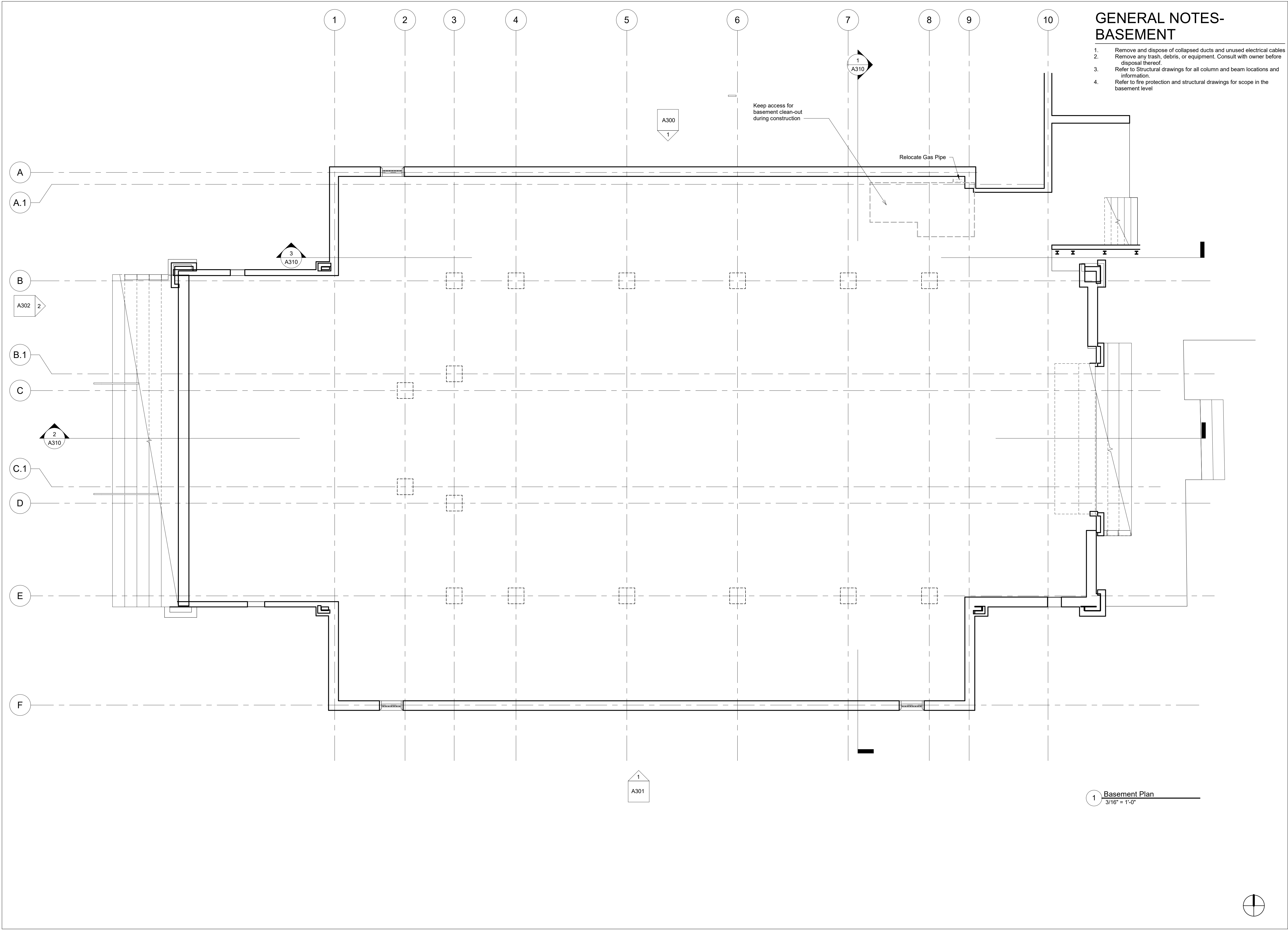
## DEMOLITION DETAILS

**D002**

Scale As indicated



4/6/2022 10:29:13 AM



GENERAL NOTES-BASEMENT

1. Remove and dispose of collapsed ducts and unused electrical cables
2. Remove any trash, debris, or equipment. Consult with owner before disposal thereof.
3. Refer to Structural drawings for all column and beam locations and information.
4. Refer to fire protection and structural drawings for scope in the basement level

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Roxbury, MA 02119

EXISTING DOCUMENTATION  
Existing Conditions  
617-247-9161

ELECTRICAL  
D's Electric  
617-542-2000

STRUCTURAL ENGINEERING  
Structures North  
John Wathne  
(508) 801-6817

MEP  
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DavidW@ns-engineering.com  
(781)-398-2250

Audio/Video  
Prevco  
Steve Provite  
steve@prevcoaudio.com  
(508) 820-9972

FIRST CHURCH  
OF ROXBURY

10 Putnam St  
Roxbury, MA

CONSTRUCTION  
DOCUMENTS

April 4, 2022

No.	Description	Date



BASEMENT PLAN

A100

Scale As indicated



**EXISTING DOCUMENTATION**  
Existing Conditions  
617-247-9161

**ELECTRICAL**  
D's Electric  
617-542-2000

**MEP**  
Norian/Siani Engineering, INC.  
David Wians  
DavidW@ns-engineering.com  
(781)-398-2250

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Steve Previte  
steve@prevcoaudio.com  
(508) 820-9972

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Roxbury, MA

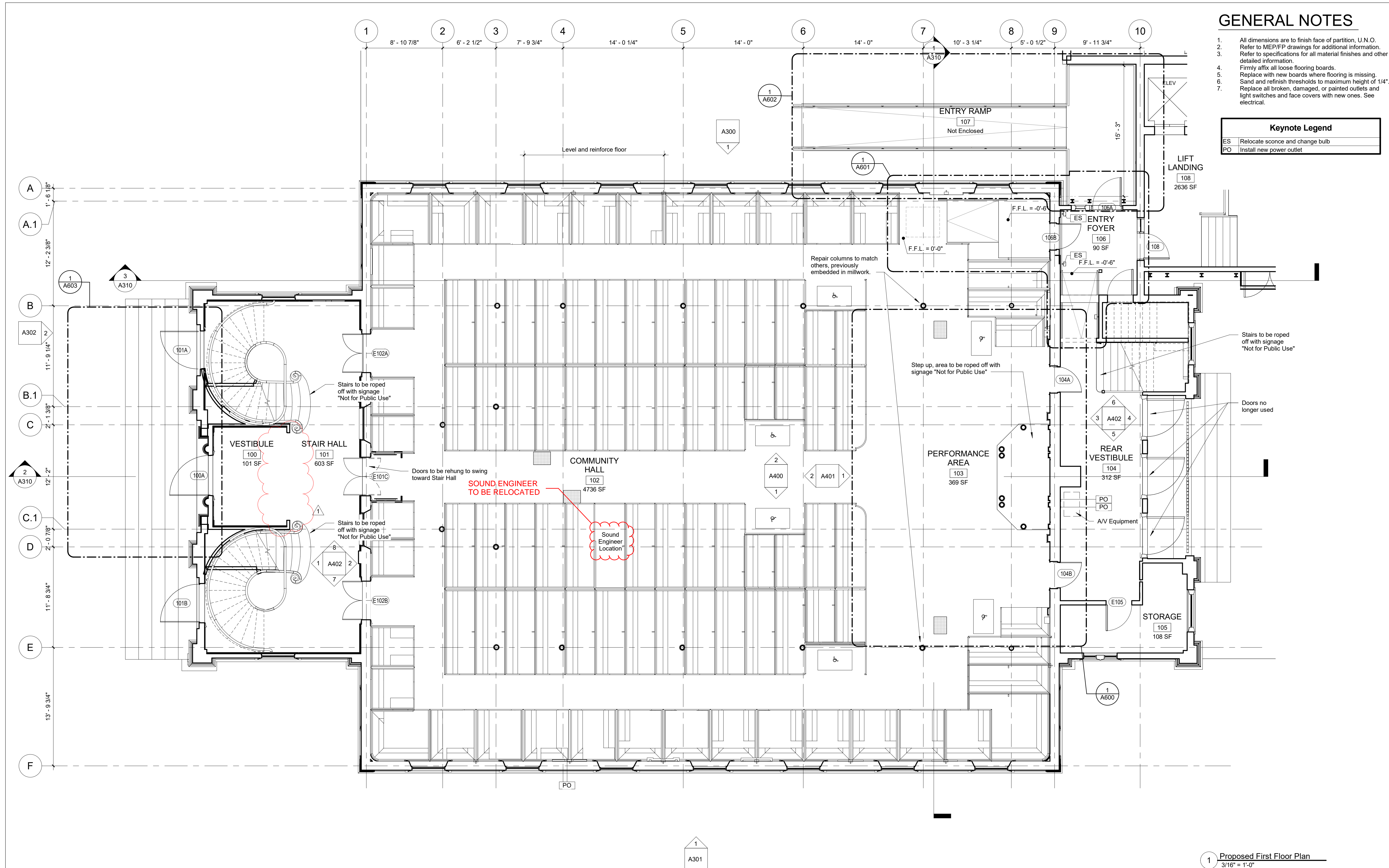
April 4, 2022

No.	Description	Date
1	ISD Revisions	07/06/22



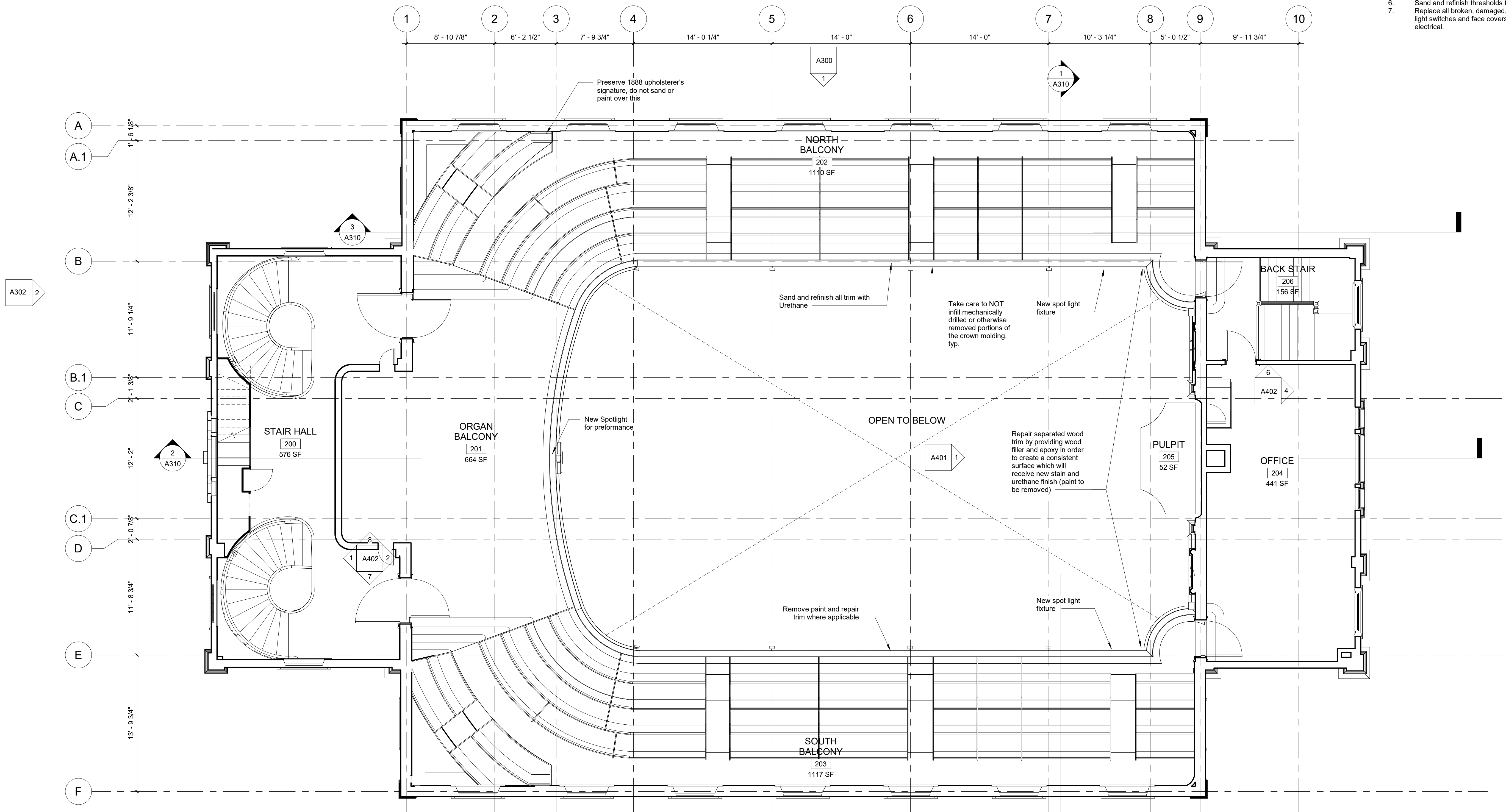
# A101

Scale As indicated





4/6/2022 10:29:30 AM



## GENERAL NOTES

1. All dimensions are to finish face of partition, U.N.O.
2. Refer to MEP/FP drawings for additional information.
3. Refer to specifications for all material finishes and other detailed information.
4. Firmly affix all loose flooring boards.
5. Replace with new boards where flooring is missing.
6. Sand and refinish thresholds to maximum height of 1/4".
7. Replace all broken, damaged, or painted outlets and light switches and face covers with new ones. See electrical.

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## FIRST CHURCH OF ROXBURY

10 Putnam St  
Roxbury, MA

## CONSTRUCTION DOCUMENTS

April 4, 2022

No.	Description	Date



## LEVEL 2 FLOOR PLAN

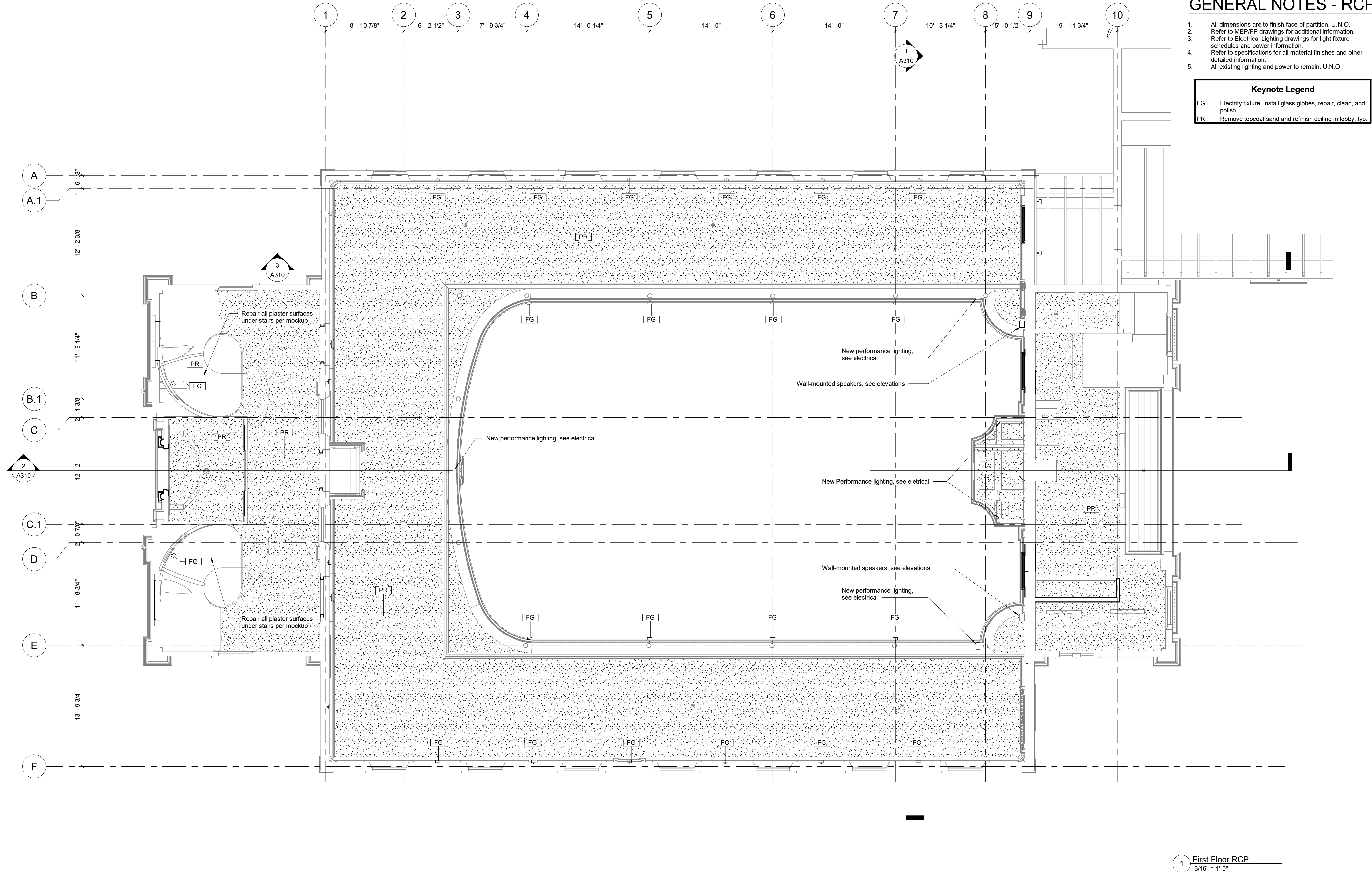
# A102

Scale As indicated

1 Proposed Second Floor  
3/16" = 1'-0"



4/6/2022 10:29:42 AM



## GENERAL NOTES - RCP

1. All dimensions are to finish face of partition, U.N.O.
2. Refer to MEP/FP drawings for additional information.
3. Refer to Electrical Lighting drawings for light fixture schedules and power information.
4. Refer to specifications for all material finishes and other detailed information.
5. All existing lighting and power to remain, U.N.O.

### Keynote Legend

FG	Electrify fixture, install glass globes, repair, clean, and polish
PR	Remove topcoat sand and refinish ceiling in lobby, typ.

1 First Floor RCP  
3/16" = 1'-0"

## FIRST CHURCH OF ROXBURY

10 Putnam St  
Roxbury, MA

## CONSTRUCTION DOCUMENTS

April 4, 2022

No.	Description	Date



## LEVEL 1 REFLECTED CEILING PLAN

# A200

Scale As indicated

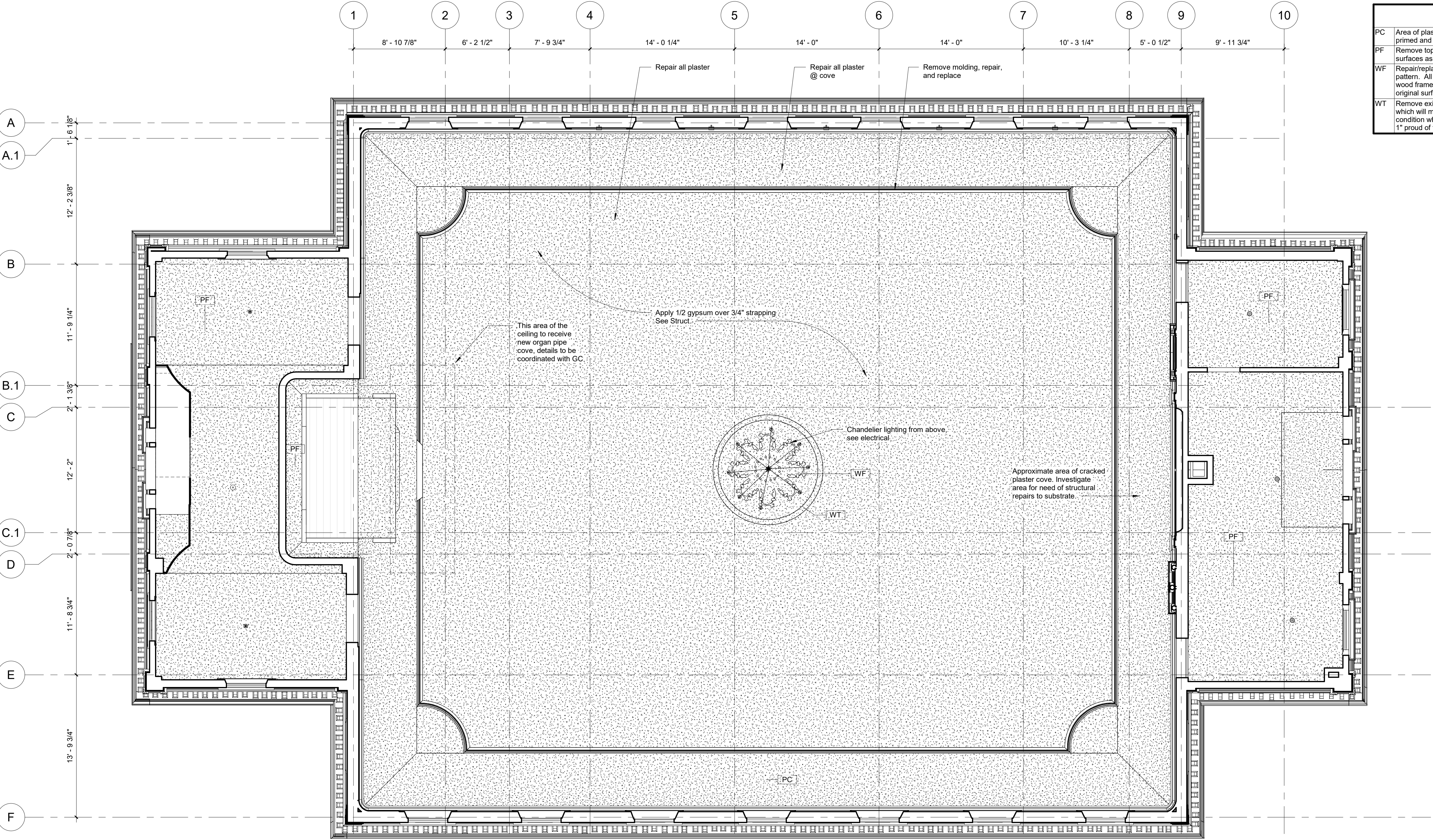


GENERAL NOTES - RCP

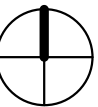
1. All dimensions are to finish face of partition, U.N.O.
2. Refer to MEP/FP drawings for additional information.
3. Refer to Electrical Lighting drawings for light fixture schedules and power information.
4. Refer to specifications for all material finishes and other detailed information.
5. All existing lighting and power to remain, U.N.O.

Keynote Legend

PC	Area of plaster cove to have cracks filled, be sanded, primed and painted per specification
PF	Remove topcoat, sand, refinish, and repaint plaster surfaces as per mockup.
WF	Repair/replace missing details to resemble original pattern. All repair to be implemented from the back of the wood frame to ensure finish condition is flush with the original surface.
WT	Remove existing trim, replace with new painted wood trim which will maintain a similar dimension to the original condition where the wood molding will sit approximately 1" proud of the finished ceiling surface



1 Second Floor RCP  
3/16" = 1'-0"



**FIRST CHURCH  
OF ROXBURY**

10 Putnam St  
Roxbury, MA

**CONSTRUCTION  
DOCUMENTS**

April 4, 2022

No.	Description	Date



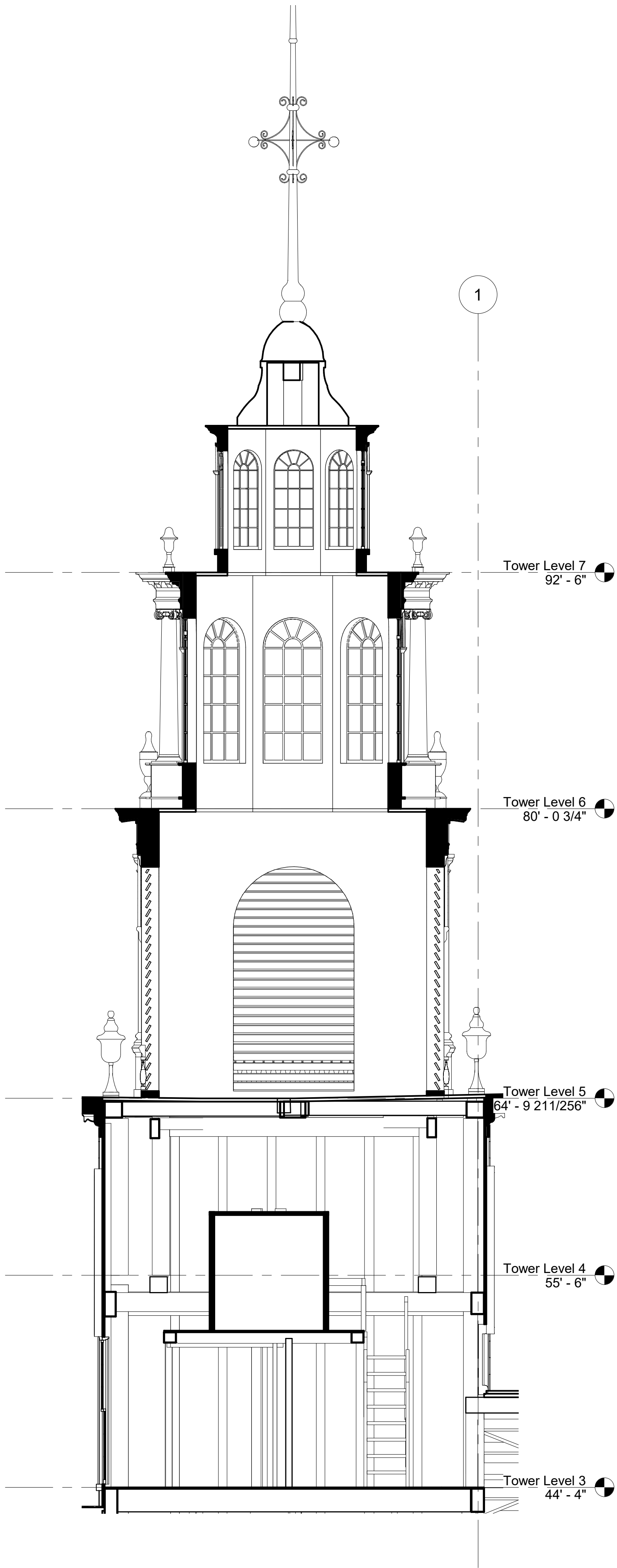
**LEVEL 2 REFLECTED  
CEILING PLAN**

**A201**

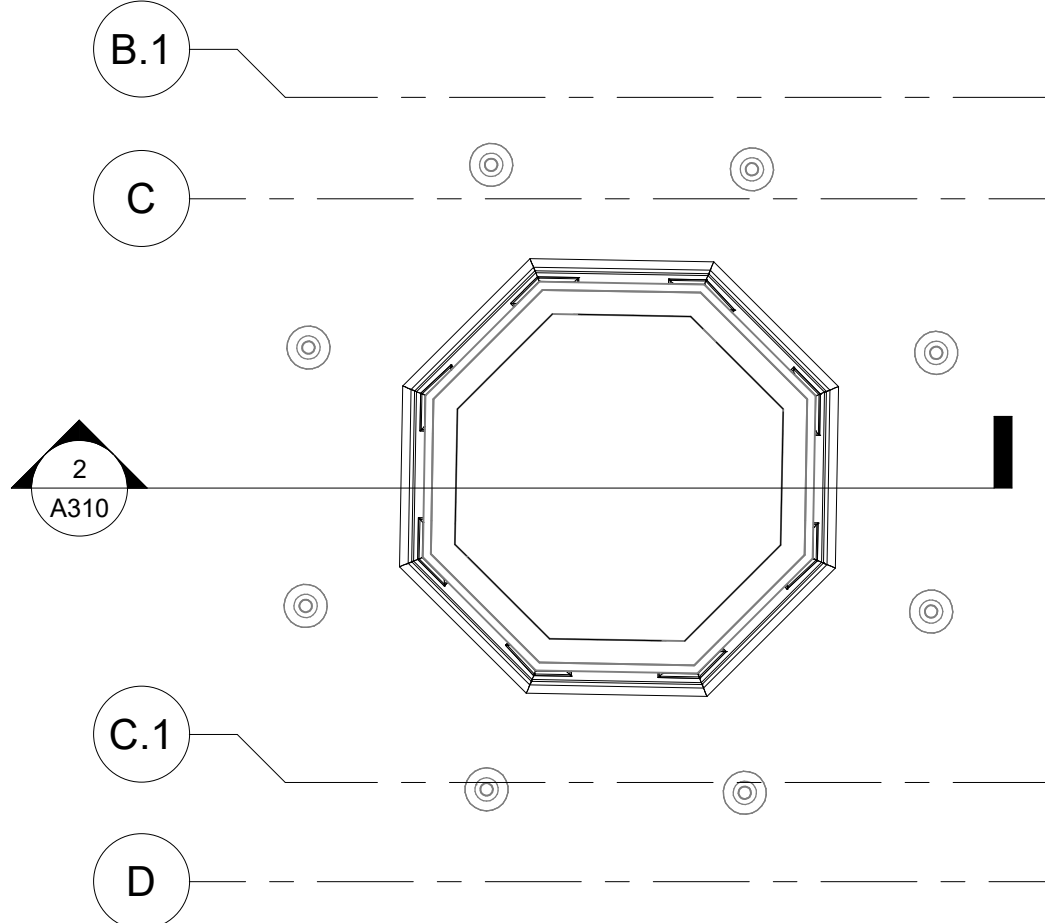
Scale As indicated



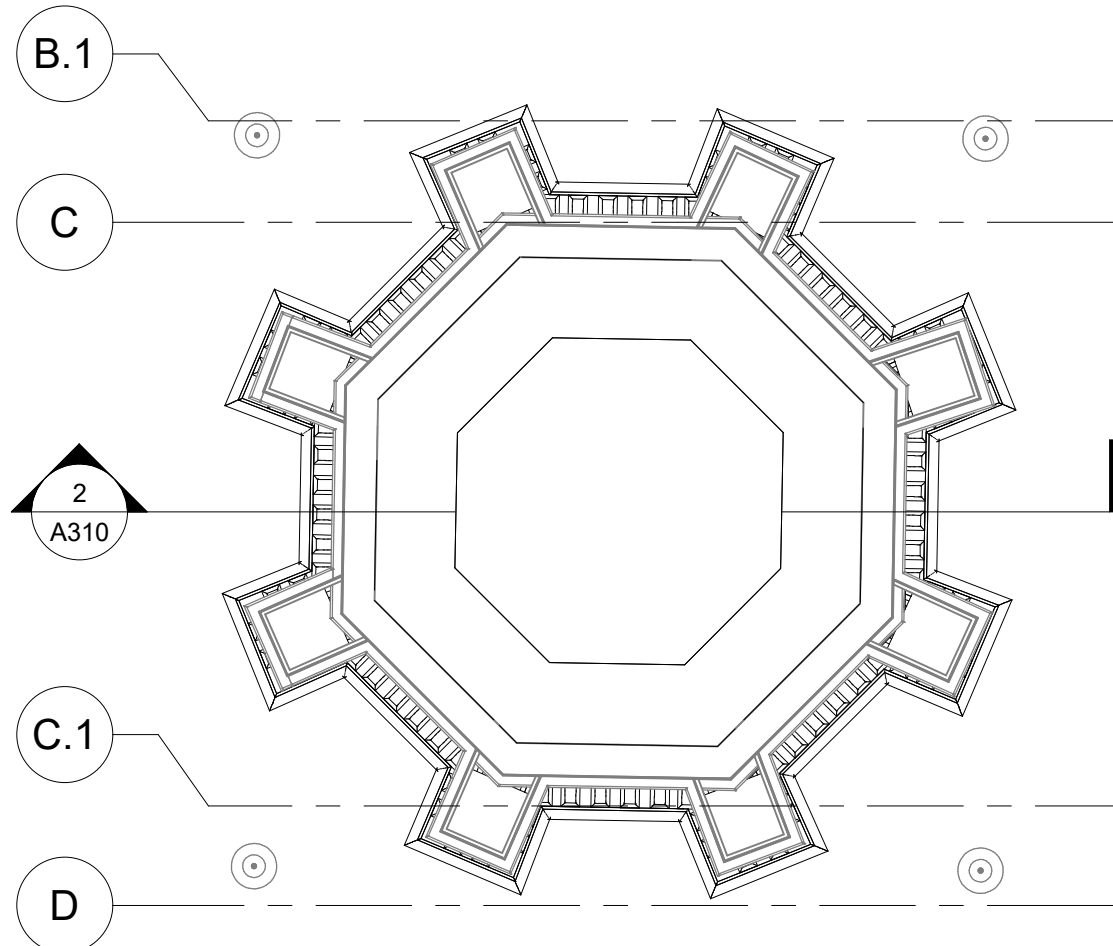
4/6/2022 10:29:57 AM



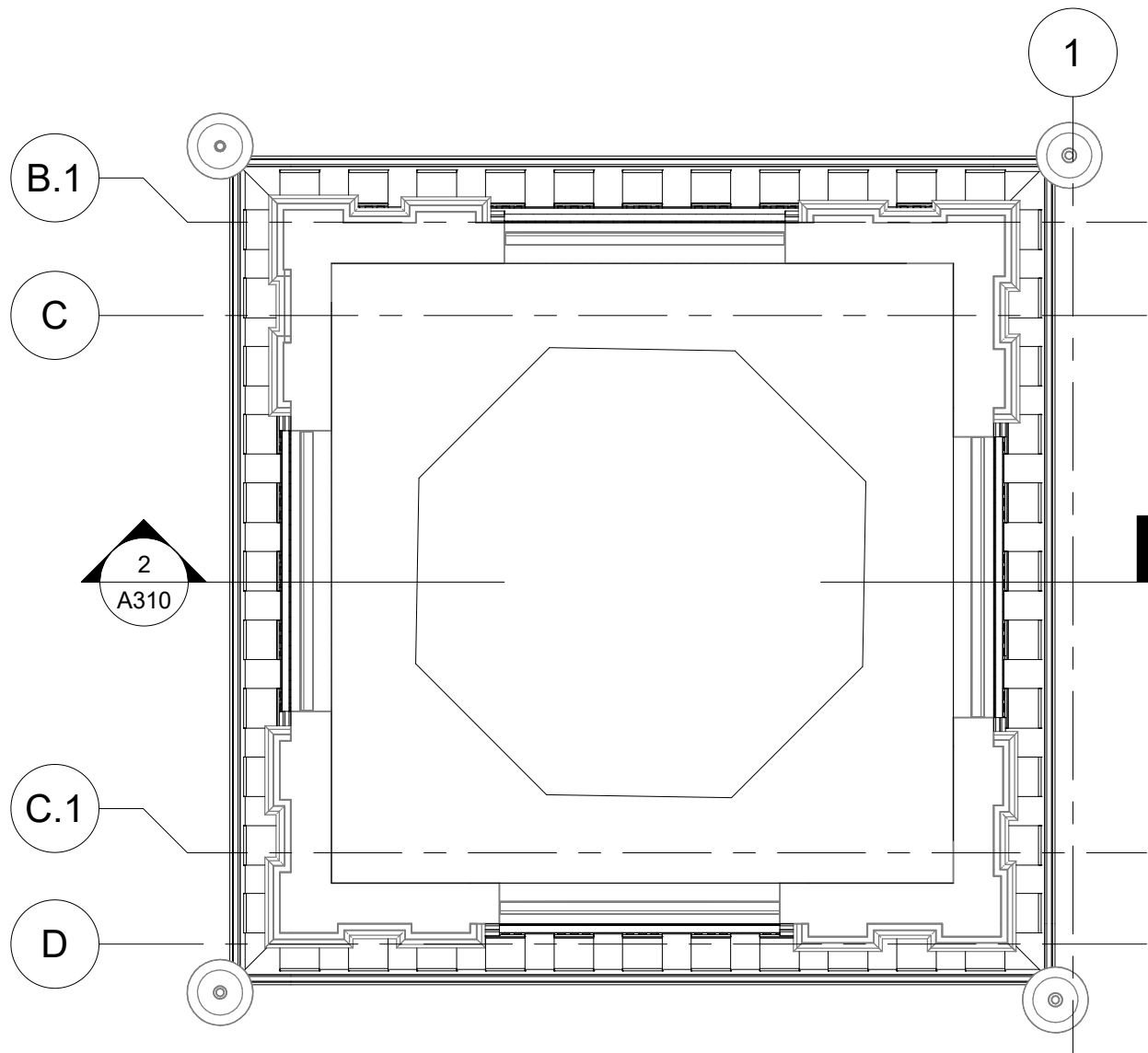
⑥ Longitudinal Section - Nave - Enlarged-  
1/4" = 1'-0"



⑤ Tower Level 7  
1/4" = 1'-0"



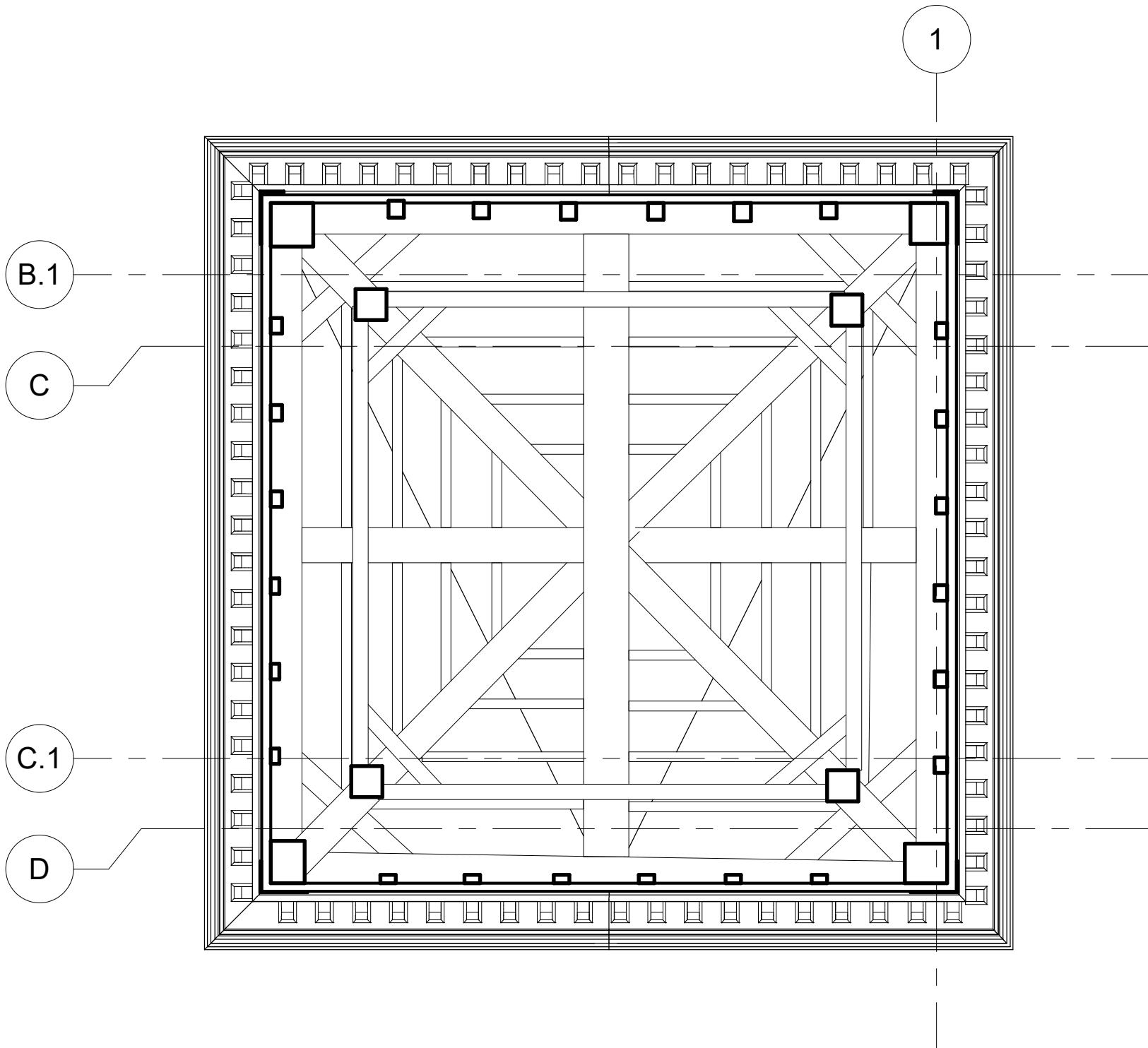
④ Tower Level 6  
1/4" = 1'-0"



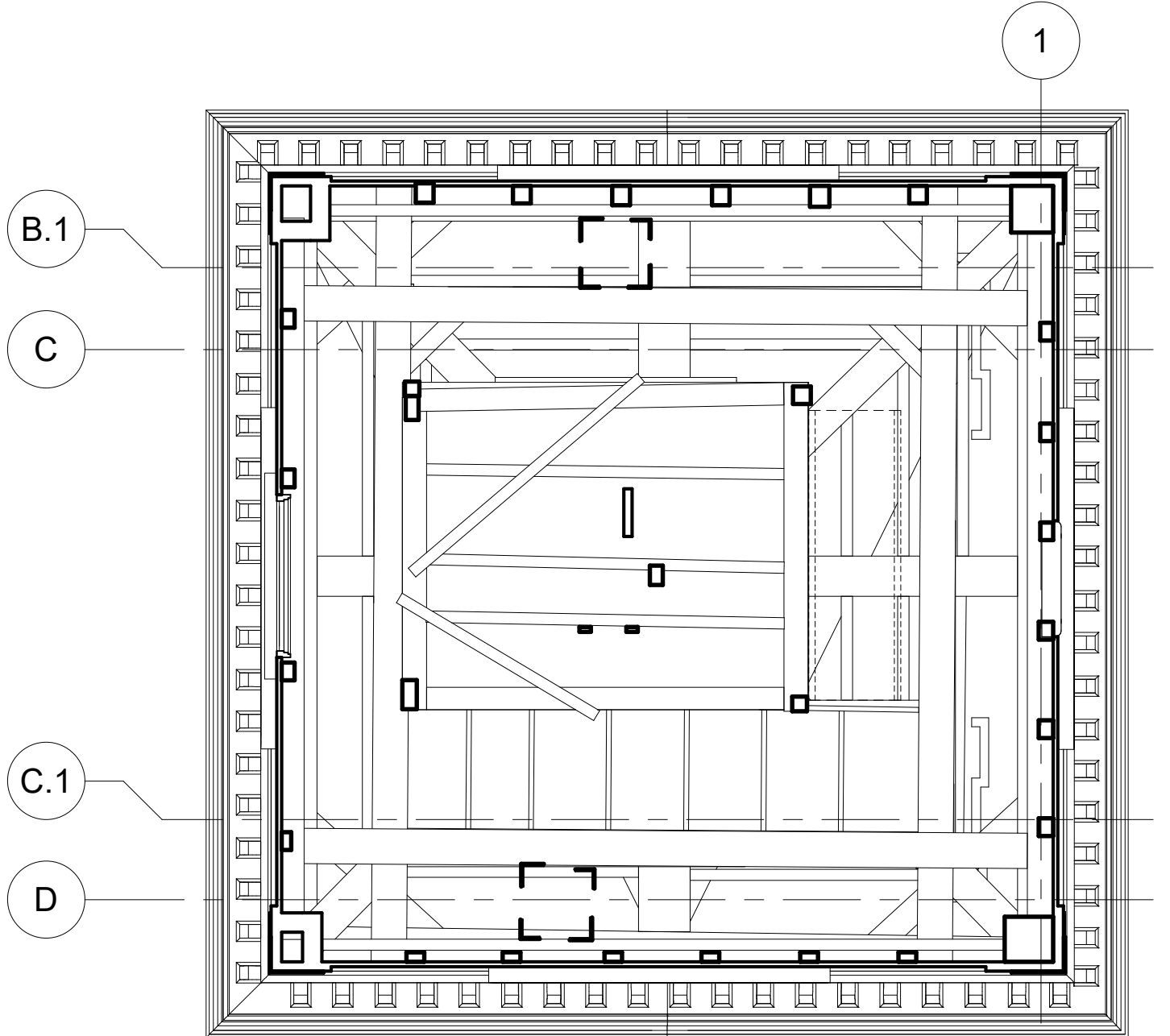
③ Tower Level 5  
1/4" = 1'-0"

## GENERAL NOTES

1. Sheet shown for reference only. Scope this area is limited to fire protection -- refer to Fire Protection drawings for more information.



② Tower Level 4 RCP  
1/4" = 1'-0"



① Tower Level 3 RCP  
1/4" = 1'-0"

## FIRST CHURCH OF ROXBURY

10 Putnam St  
Roxbury, MA

## CONSTRUCTION DOCUMENTS

April 4, 2022

No.	Description	Date



## LEVELS TOWER REFLECTED CEILING PLANS

# A202

Scale 1/4" = 1'-0"



4/6/2022 10:30:37 AM

GENERAL NOTES

1. Refer to specifications for detailed information re: window repairs and replacement of glazing.
2. Refer to enlarged sheets for details on exterior ramp and entry stairs.

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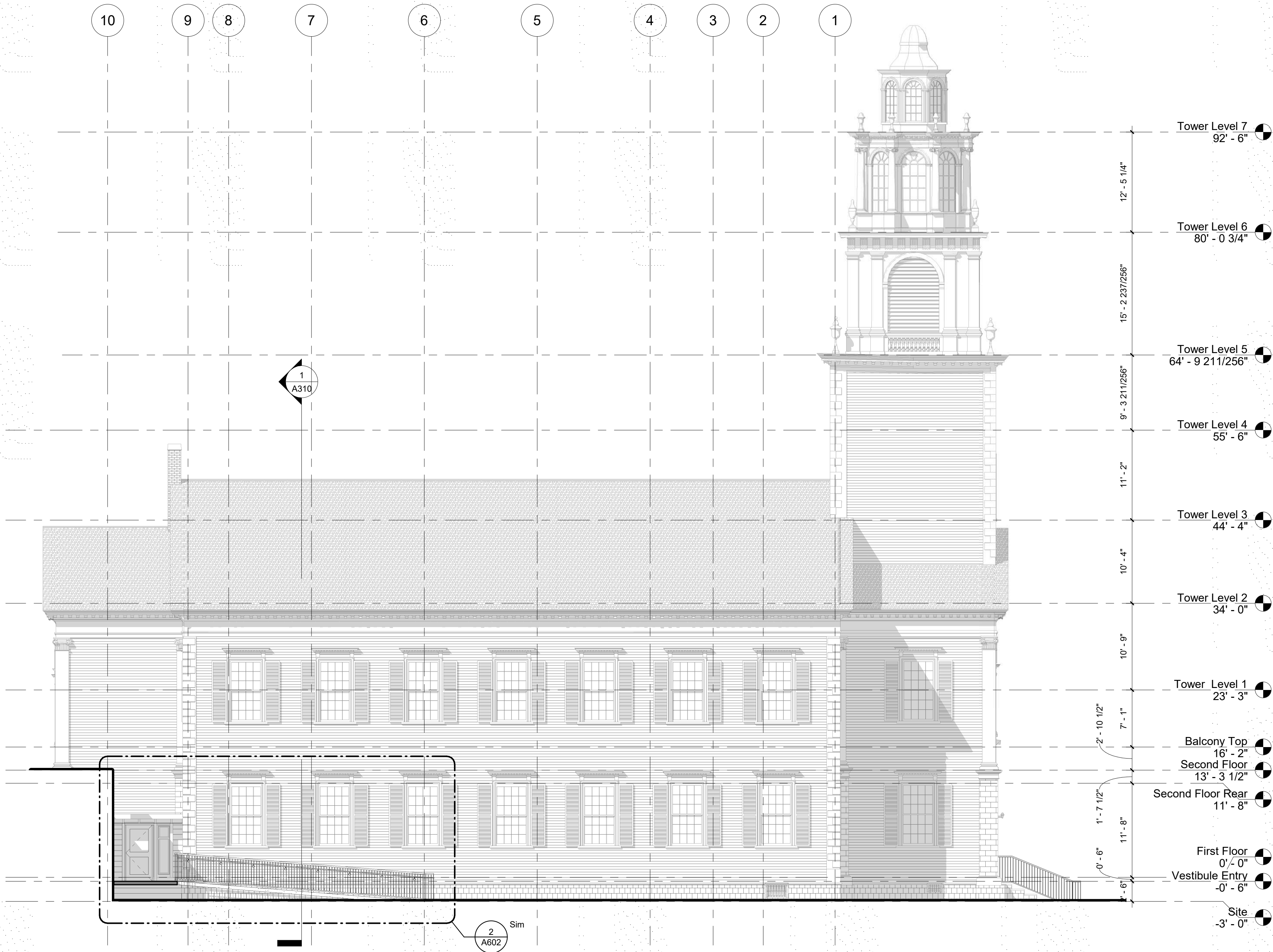
**EXISTING DOCUMENTATION**  
Existing Conditions  
617-247-9161

**ELECTRICAL**  
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Structures North  
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DavidW@ns-engineering.com  
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**Audio/Video**  
Prevco  
Steve Previte  
steve@prevcoaudio.com  
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1 Exterior Elevation North  
1/8" = 1'-0"

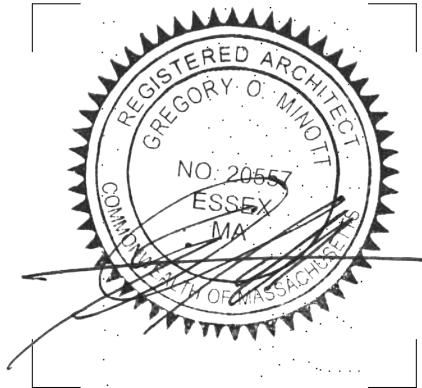
FIRST CHURCH  
OF ROXBURY

10 Putnam St  
Roxbury, MA

CONSTRUCTION  
DOCUMENTS

April 4, 2022

No.	Description	Date



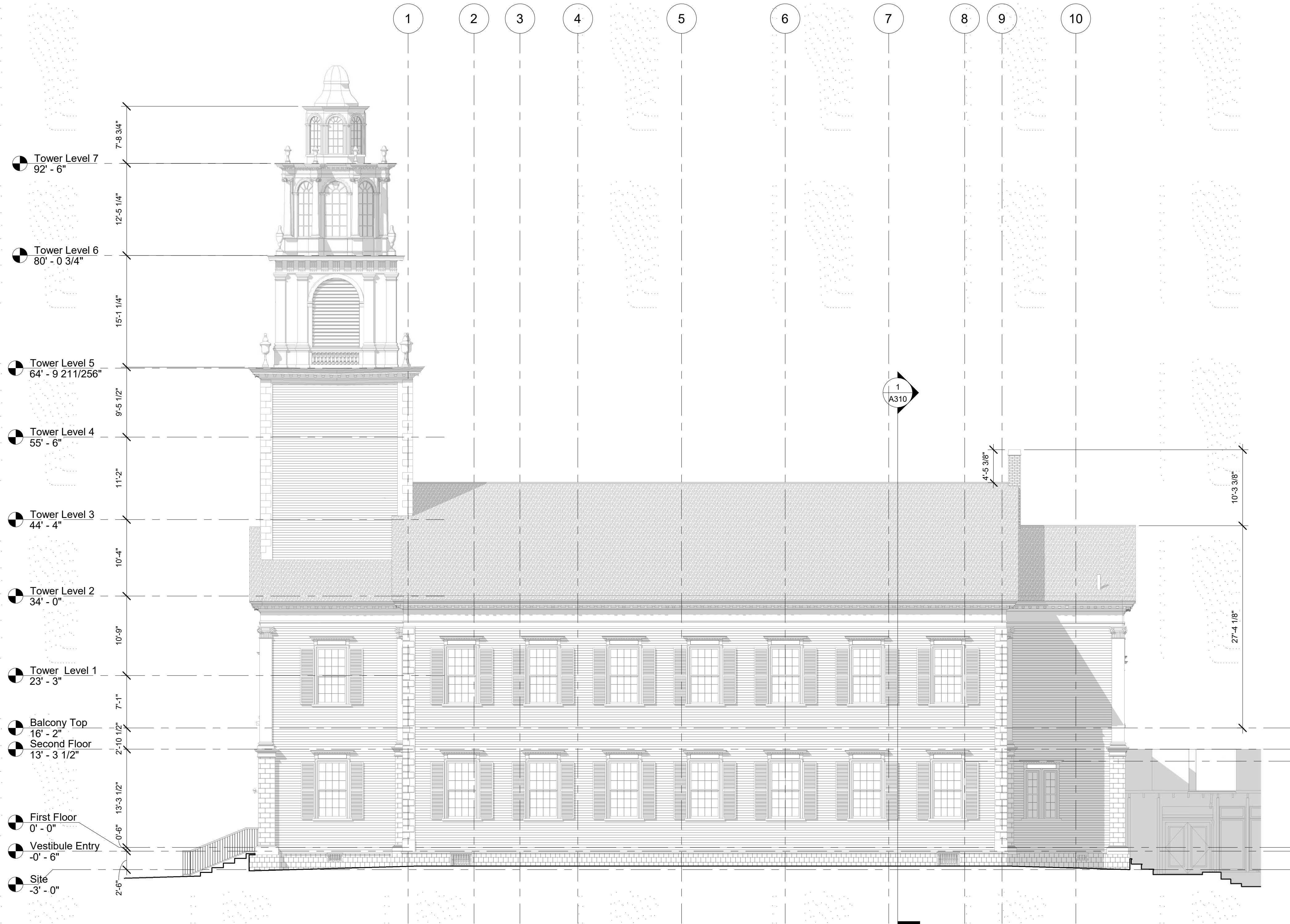
EXTERIOR  
ELEVATION -  
NORTH

A300

Scale As indicated



4/6/2022 10:30:58 AM



GENERAL NOTES

1. Refer to specifications for detailed information re: window repairs and replacement of glazing.
2. Refer to enlarged sheets for details on exterior ramp and entry stairs.

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steve@prevcoaudio.com  
(508) 820-9972

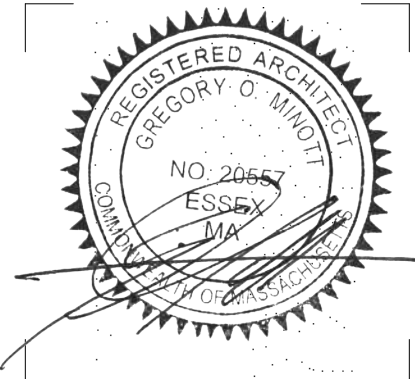
FIRST CHURCH  
OF ROXBURY

10 Putnam St  
Roxbury, MA

CONSTRUCTION  
DOCUMENTS

April 4, 2022

No.	Description	Date



EXTERIOR  
ELEVATION -  
SOUTH

A301

Scale As indicated

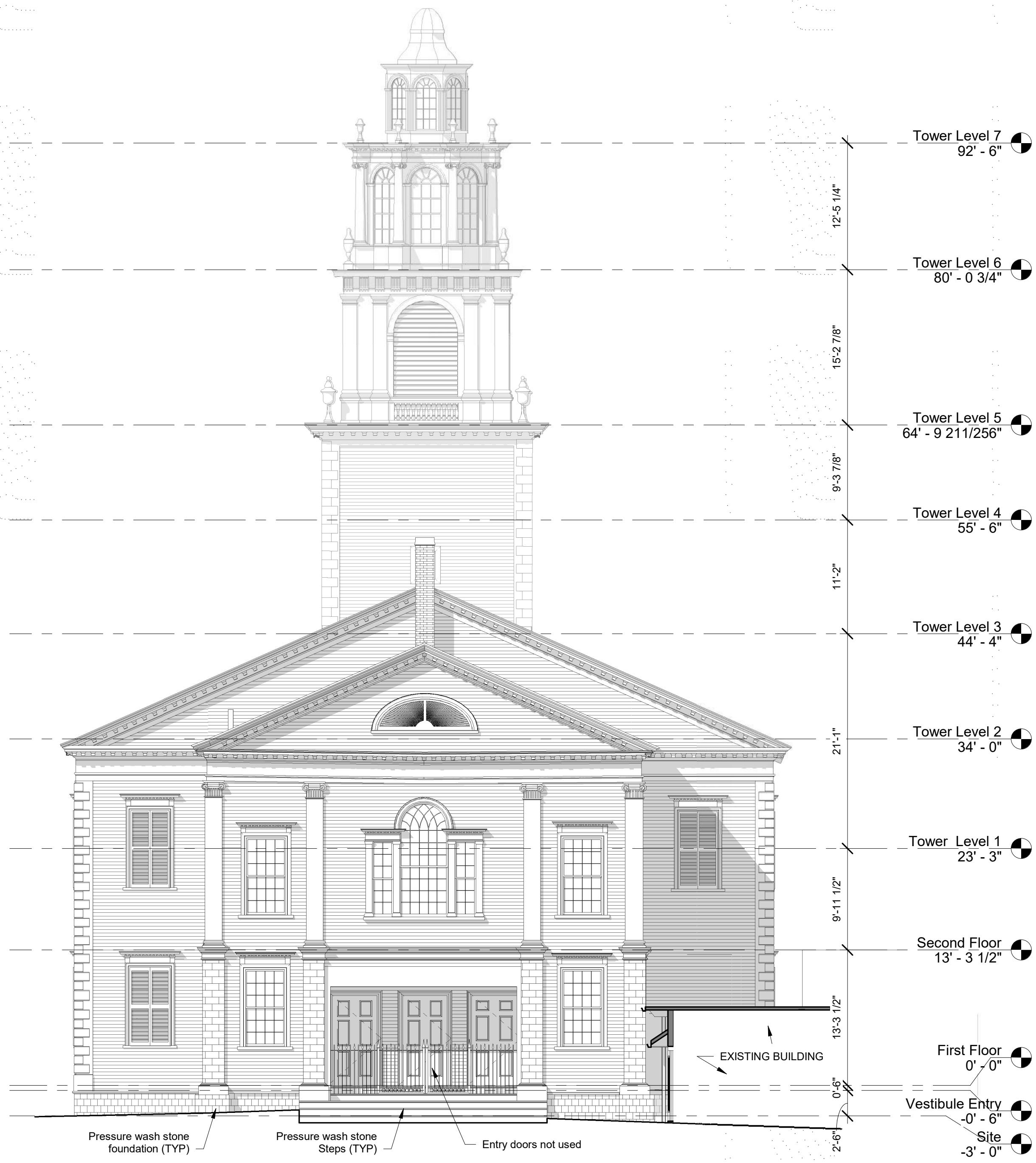
1 South Elevation Copy 1  
1/8" = 1'-0"



4/6/2022 10:31:29 AM



2 Exterior Elevation - West  
1/8" = 1'-0"



1 Exterior Elevatio - East  
1/8" = 1'-0"

## GENERAL NOTES

1. Refer to specifications for detailed information re: window repairs and replacement of glazing.
2. Refer to enlarged sheets for details on exterior ramp and entry stairs.

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tel: 617.606.7029  
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**OWNER**  
Unitarian Universalist Urban Ministry  
10 Putnam Street  
Roxbury, MA 02119

**EXISTING DOCUMENTATION**  
Existing Conditions  
617-247-9161

**ELECTRICAL**  
D's Electric  
617-542-2000

**STRUCTURAL ENGINEERING**  
Structures North  
John Wathne  
(508) 801-6817

**MEP**  
Norlan/Siani Engineering, INC.  
David Wians  
DavidW@ns-engineering.com  
(781)-398-2250

**Audio/Video**  
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steve@prevcoaudio.com  
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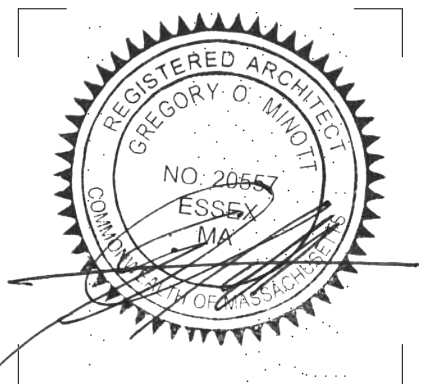
## FIRST CHURCH OF ROXBURY

10 Putnam St  
Roxbury, MA

## CONSTRUCTION DOCUMENTS

April 4, 2022

No.	Description	Date



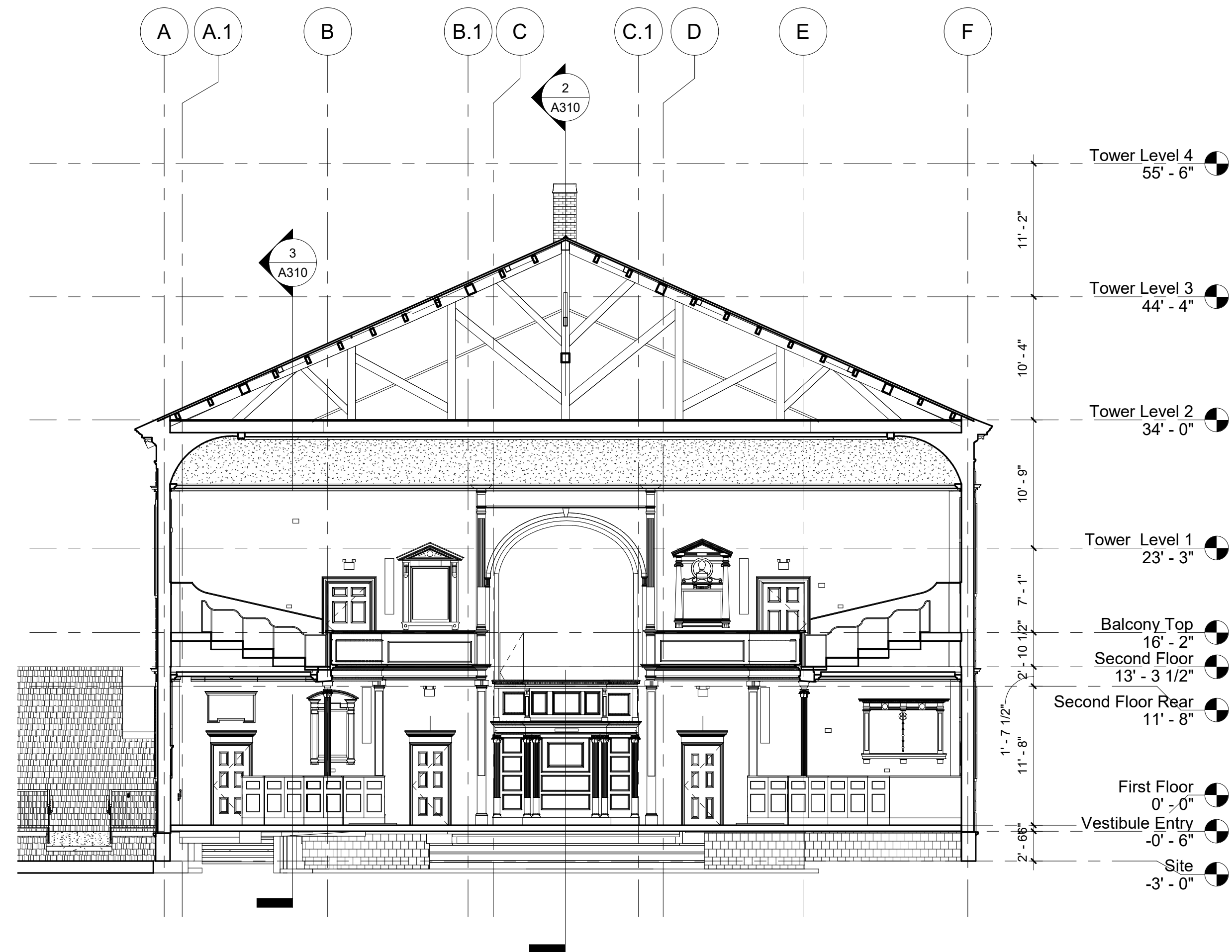
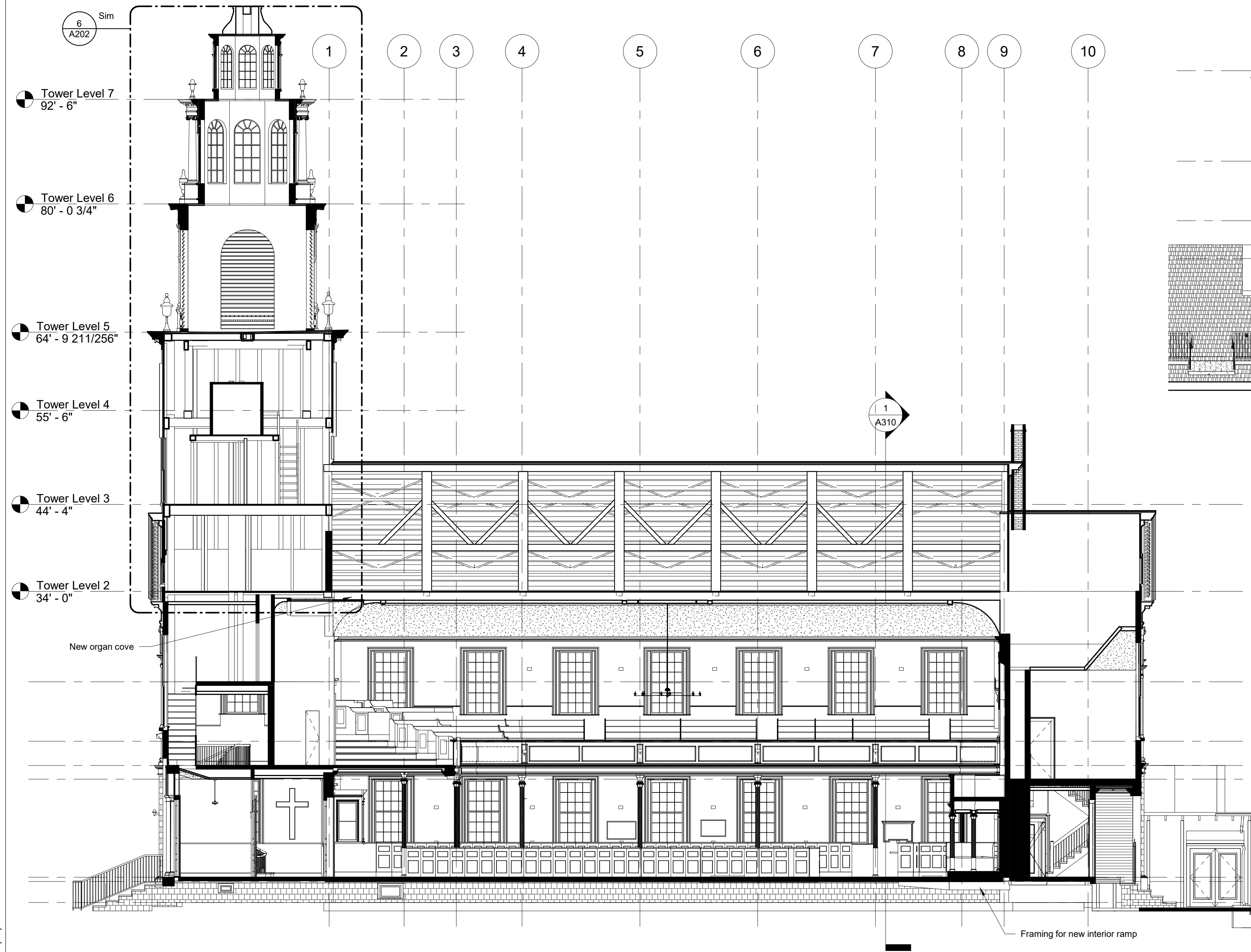
EXTERIOR  
ELEVATIONS -  
EAST/WEST

**A302**

Scale As indicated



4/6/2022 10:31:42 AM



## GENERAL NOTES

1. All dimensions are to finish face of partition, U.N.O.
2. Refer to MEP/FP drawings for additional information.
3. Refer to specifications for all material finishes and other detailed information.

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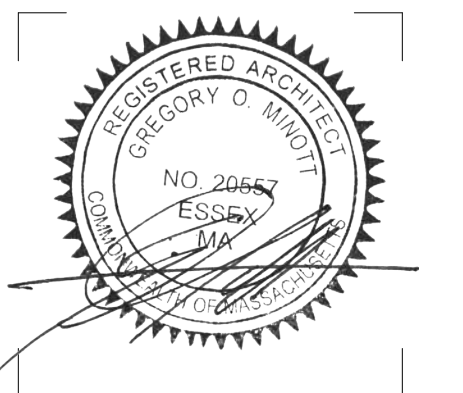
## FIRST CHURCH OF ROXBURY

10 Putnam St  
Roxbury, MA

## CONSTRUCTION DOCUMENTS

April 4, 2022

No.	Description	Date



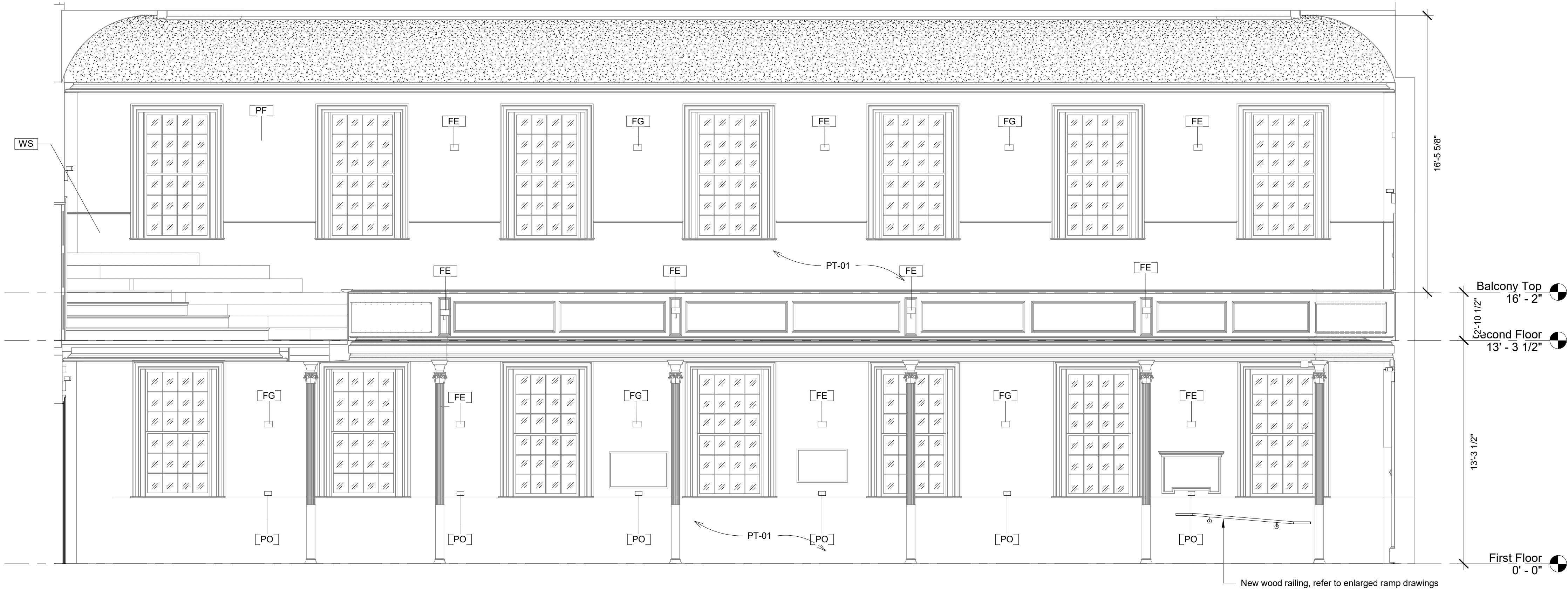
## BUILDING SECTIONS

# A310

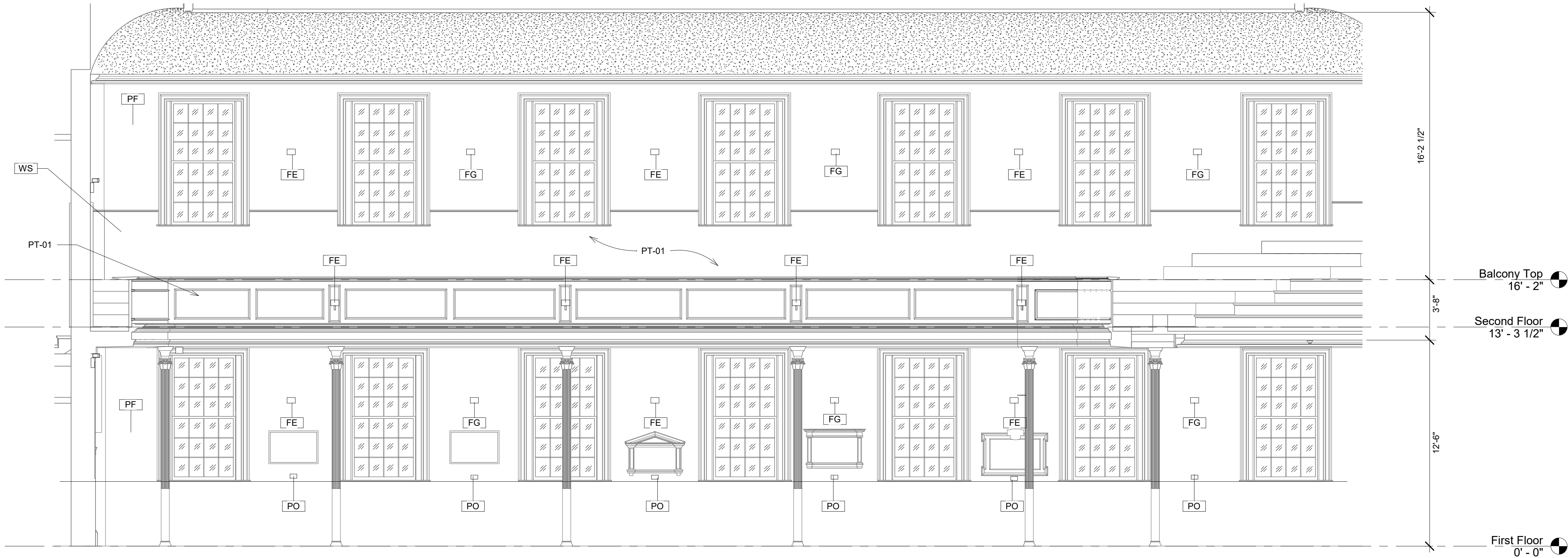
Scale As indicated



4/6/2022 10:31:50 AM



2 Interior Elevation - North  
1/4" = 1'-0"



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

## GENERAL NOTES

1. Refer to specifications for additional information.
2. All interior plaster surfaces to receive plaster repair as per executed mockup.
3. Plaster walls and ceilings to be painted PT-01.
4. All painted wood trim to be repainted.
5. All window sashes to be painted.
6. All plaques to be carefully covered and protected during construction work. Clean all plaques at completion of construction work.
7. Fix all trim loose and warped trim around balcony.
8. Clean and polish all brass details.
9. Clean all windows inside/out after construction work is completed.
10. Clean and polish flag holders.
11. Paint all existing metal conduit to match adjacent surfaces.
12. Clean clock after work is completed.
13. Repaint lettering around balconies.
14. Sand and repaint wainscot at wall.
15. Refer to specifications for detailed information re: window repairs and replacement of glazing.
16. Fix all gaps and cracks at handrail molding. Sand and refinish with urethane. Save any signatures inscribed on railing.
17. Align new power outlets with existing fixtures above.
18. Pews on second floor are out of scope of work.
19. All columns to be sanded and repaired where needed, and repainted.

### Keynote Legend

FE	Electric fixture to have glass globes installed, cleaned and polished
FG	Electric fixture, install glass globes, repair, clean, and polish
PF	Remove topcoat, sand, refinish, and repaint plaster surfaces as per mockup.
PO	Install new power outlet
WS	Sand, fill and paint wood wainscoting up to molding, typ balcony level.

## FIRST CHURCH OF ROXBURY

10 Putnam St  
Roxbury, MA

## CONSTRUCTION DOCUMENTS

April 4, 2022

No.	Description	Date



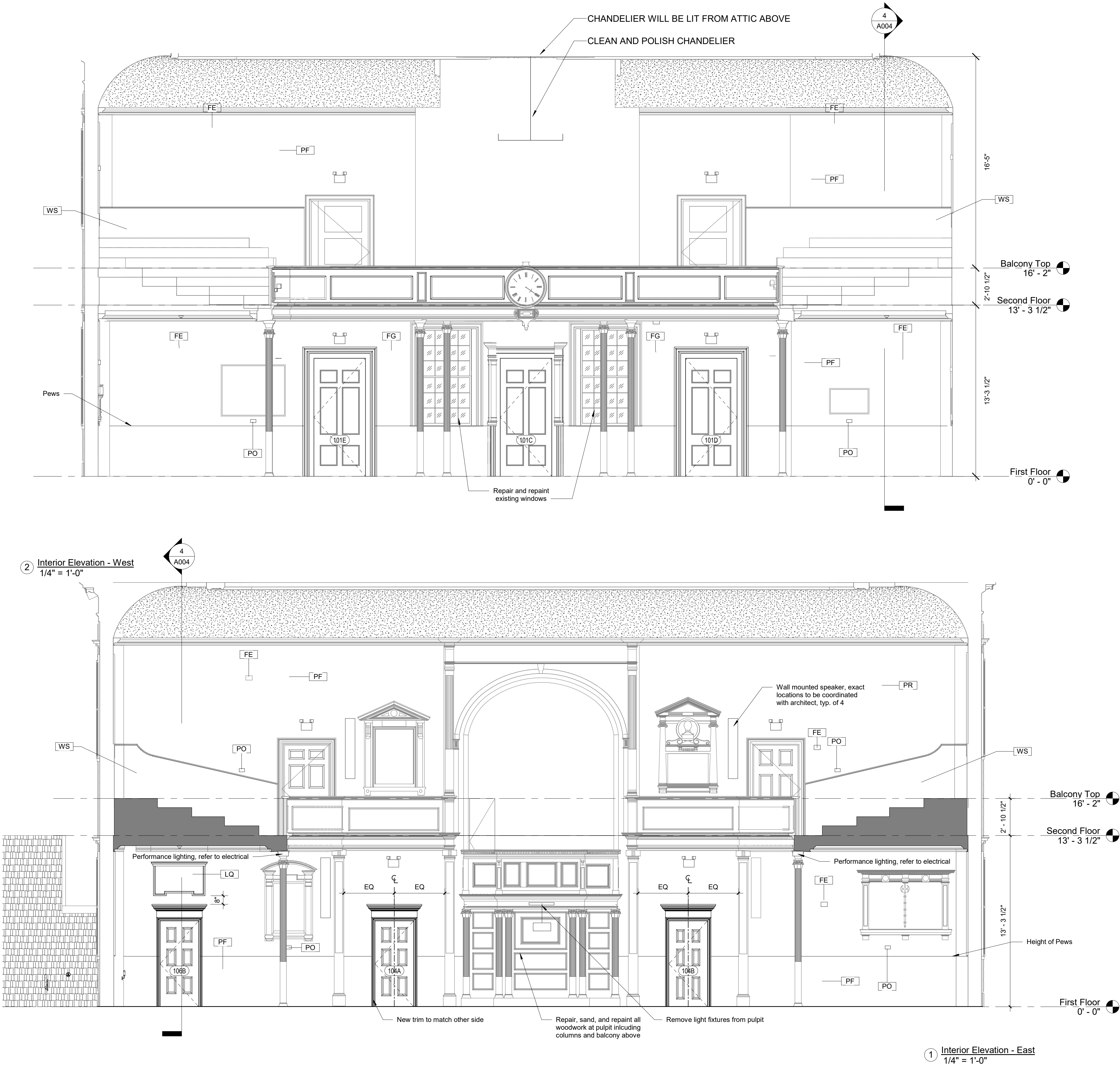
## INTERIOR ELEVATIONS - NORTH/SOUTH

# A400

Scale 1/4" = 1'-0"



4/6/2022 10:31:58 AM



## GENERAL NOTES

1. Refer to specifications for additional information.
2. All interior plaster surfaces to receive plaster repair as per executed mockup
3. Plaster walls and ceilings to be painted PT-01
4. All painted wood trim to be repainted.
5. All window sashes to be painted.
6. All plaques to be carefully covered and protected during construction work. Clean all plaques at completion of construction work.
7. Fix all trim loose and warped trim around balcony.
8. Clean and polish all brass details.
9. Clean all windows inside/out after construction work is completed.
10. Clean and polish flag holders.
11. Paint all existing metal conduit to match adjacent surfaces.
12. Clean clock after work is completed.
13. Repaint lettering around balconies.
14. Sand and repaint wainscot at wall.
15. Refer to specifications for detailed information re: window repairs and replacement of glazing.
16. Fix all gaps and cracks at handrail molding. Sand and refinish with urethane. Save any signatures inscribed on railing.
17. Align new power outlets with existing fixtures above.
18. Pews on second floor are out of scope of work.
19. All columns to be sanded and repaired where needed, and repainted.

### Keynote Legend

FE	Electric fixture to have glass globes installed, cleaned and polished
FG	Electrify fixture, install glass globes, repair, clean, and polish
LQ	Remove and relocate plaque above new door.
PF	Remove topcoat, sand, refinish, and repaint plaster surfaces as per mockup.
PO	Install new power outlet
PR	Remove topcoat sand and refinish ceiling in lobby, typ.
WS	Sand, fill and paint wood wainscoting up to molding, typ balcony level.

## FIRST CHURCH OF ROXBURY

10 Putnam St  
Roxbury, MA

## CONSTRUCTION DOCUMENTS

April 4, 2022

No.	Description	Date



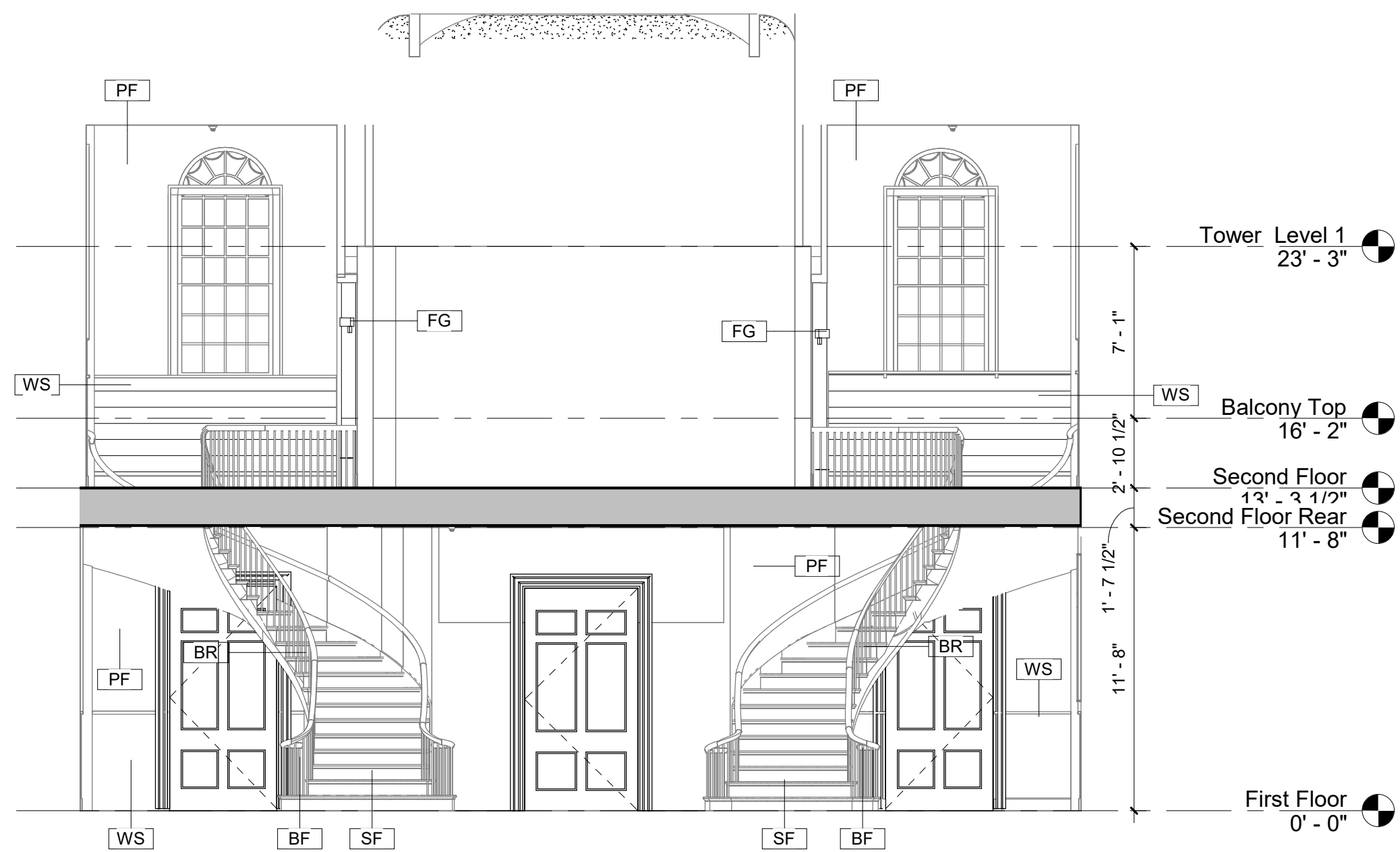
## INTERIOR ELEVATIONS - EAST/WEST

# A401

Scale 1/4" = 1'-0"



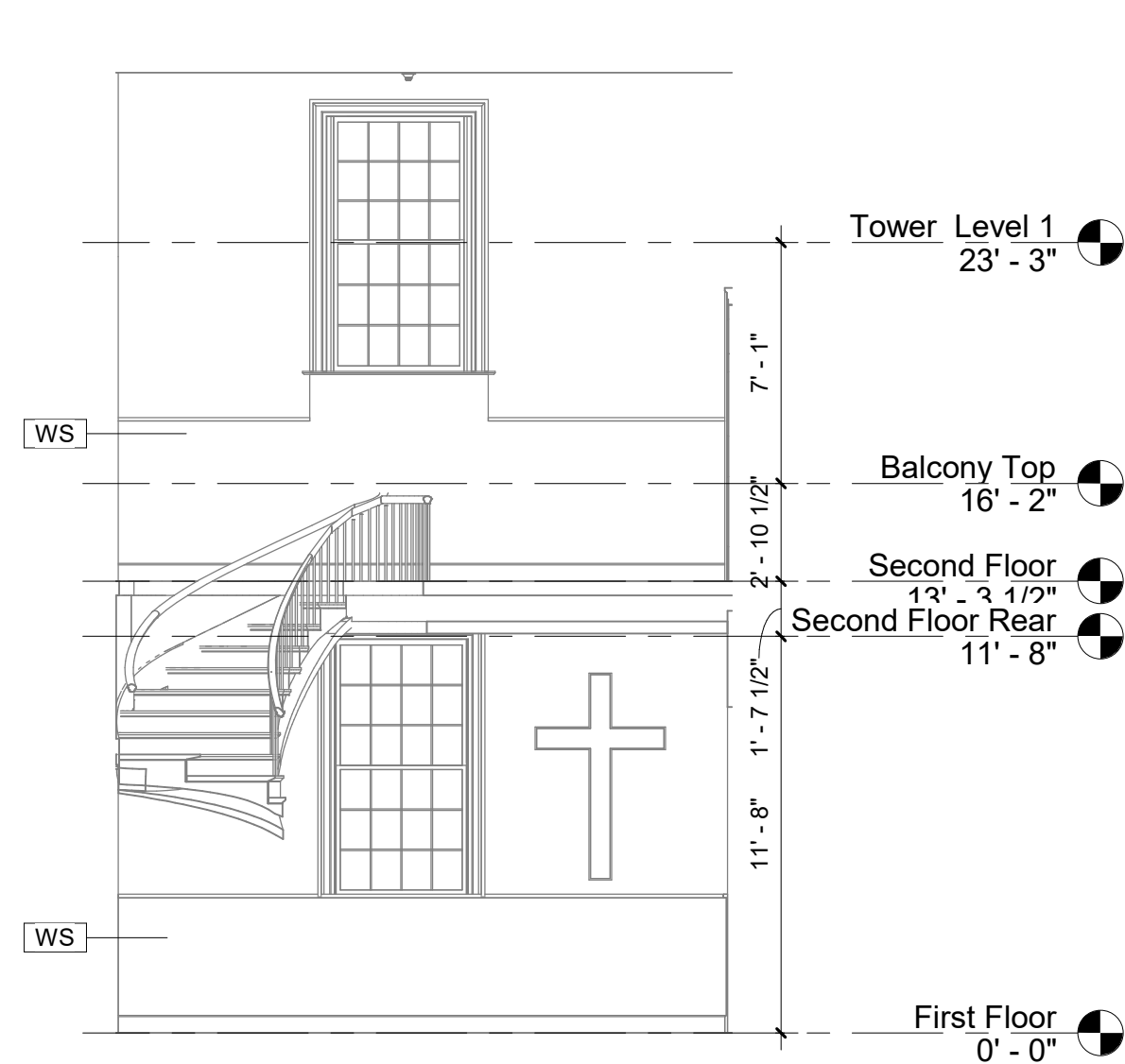
4/6/2022 10:32:18 AM



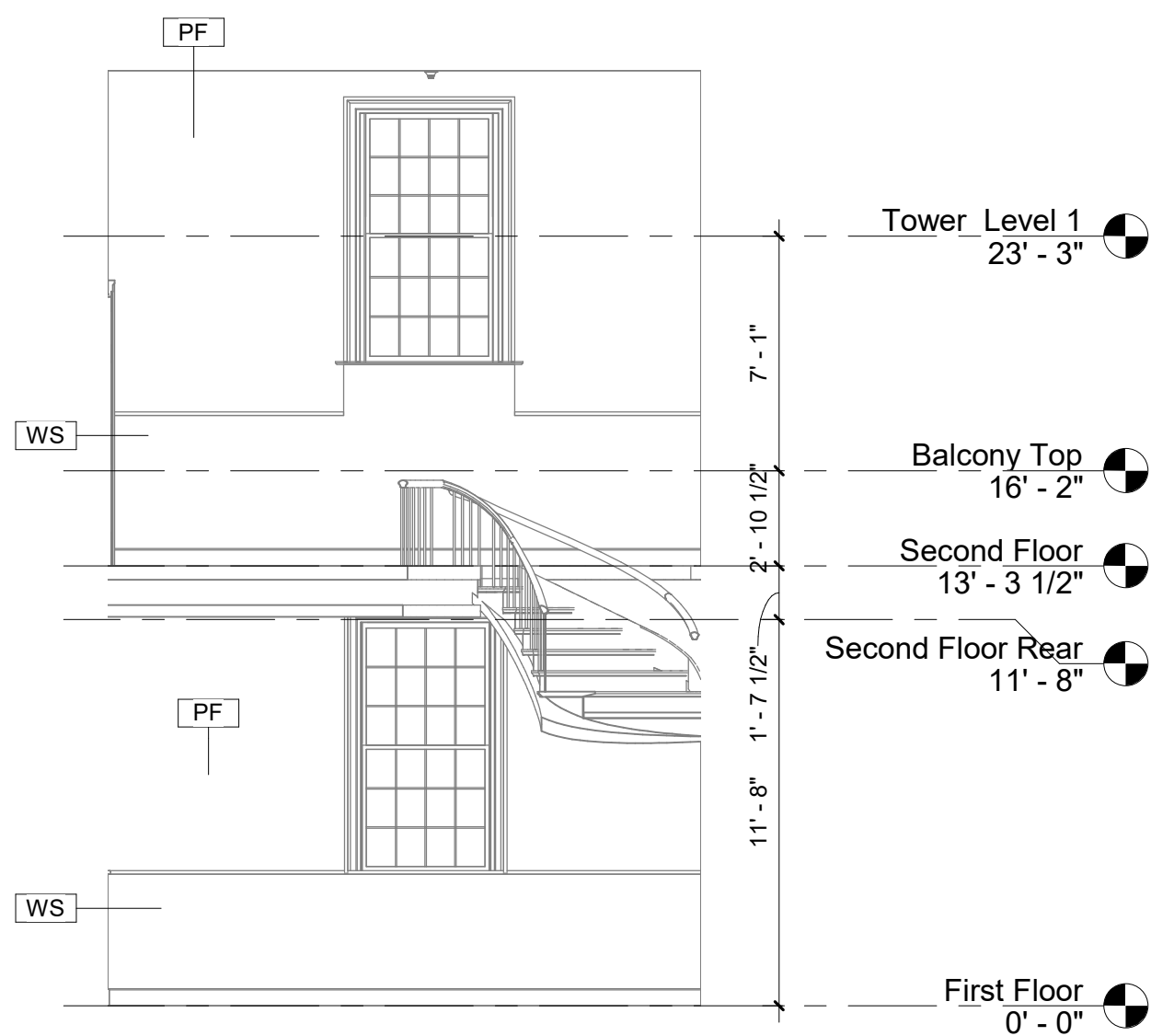
1 Front Vestibule - West Elevation  
3/16" = 1'-0"



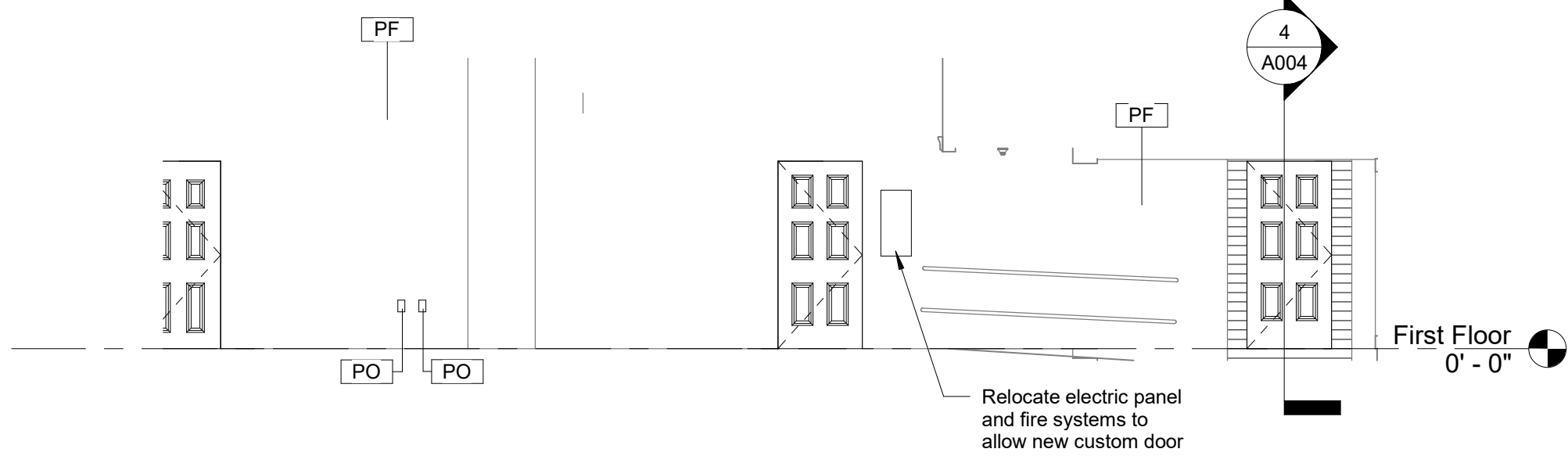
2 Entry Vestibule - West Elevation  
3/16" = 1'-0"



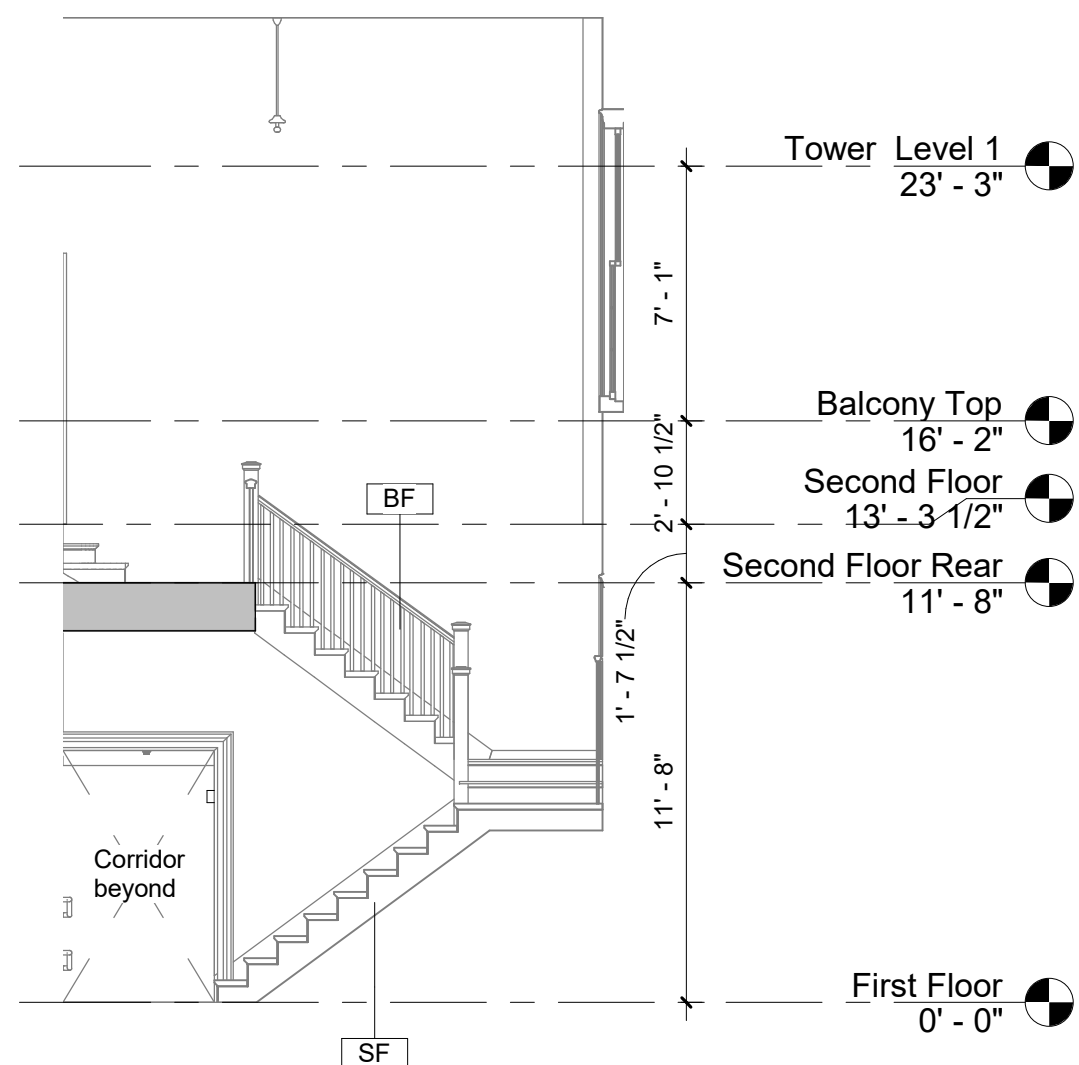
8 Entry Vestibule - Stair Elevation  
3/16" = 1'-0"



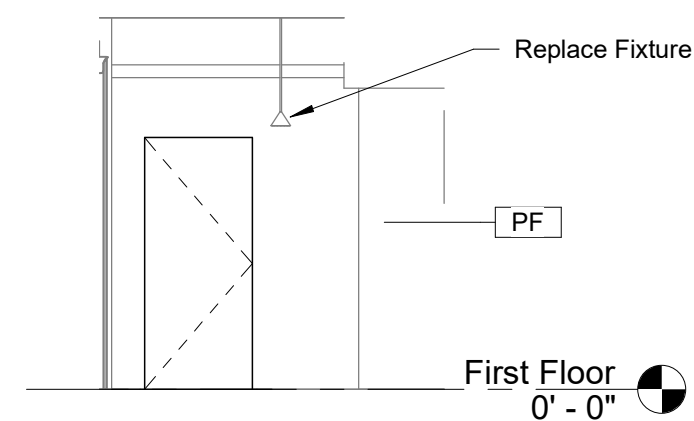
7 Entry Vestibule - South Elevation  
3/16" = 1'-0"



3 Rear Vestibule - South Elevation  
3/16" = 1'-0"



6 Rear Vestibule - East Elevation  
3/16" = 1'-0"



5 Rear Vestibule - West Elevation  
3/16" = 1'-0"



4 Rear Vestibule - East Elevation  
3/16" = 1'-0"

## GENERAL NOTES

1. Refer to specifications for additional information.
2. All interior plaster surfaces to receive plaster repair as per executed mockup.
3. Plaster walls and ceilings to be painted PT-01.
4. All painted wood trim to be repainted.
5. All window sashes to be painted.
6. All plaques to be carefully covered and protected during construction work. Clean all plaques at completion of construction work.
7. Fix all trim loose and warped trim around balcony.
8. Clean and polish all brass details.
9. Clean all windows inside/out after construction work is completed.
10. Clean and polish flag holders.
11. Paint all existing metal conduit to match adjacent surfaces.
12. Clean clock after work is completed.
13. Repaint lettering around balconies.
14. Sand and repaint wainscot at wall.
15. Refer to specifications for detailed information re: window repairs and replacement of glazing.
16. Fix all gaps and cracks at handrail molding. Sand and refinish with urethane. Save any signatures inscribed on railing.
17. Align new power outlets with existing fixtures above.
18. Pews on second floor are out of scope of work.
19. All columns to be sanded and repaired where needed, and repainted.

### Keynote Legend

BF	Sand and refinish balusters
BR	Furnish and install missing baluster
FG	Electrify fixture, install glass globes, repair, clean, and polish
PF	Remove topcoat, sand, refinish, and repaint plaster surfaces as per mockup.
PO	Install new power outlet
RR	Remove
SF	Sand and refinish steps
WS	Sand, fill and paint wood wainscoting up to molding, typ balcony level.

## FIRST CHURCH OF ROXBURY

10 Putnam St  
Roxbury, MA

## CONSTRUCTION DOCUMENTS

April 4, 2022

No.	Description	Date



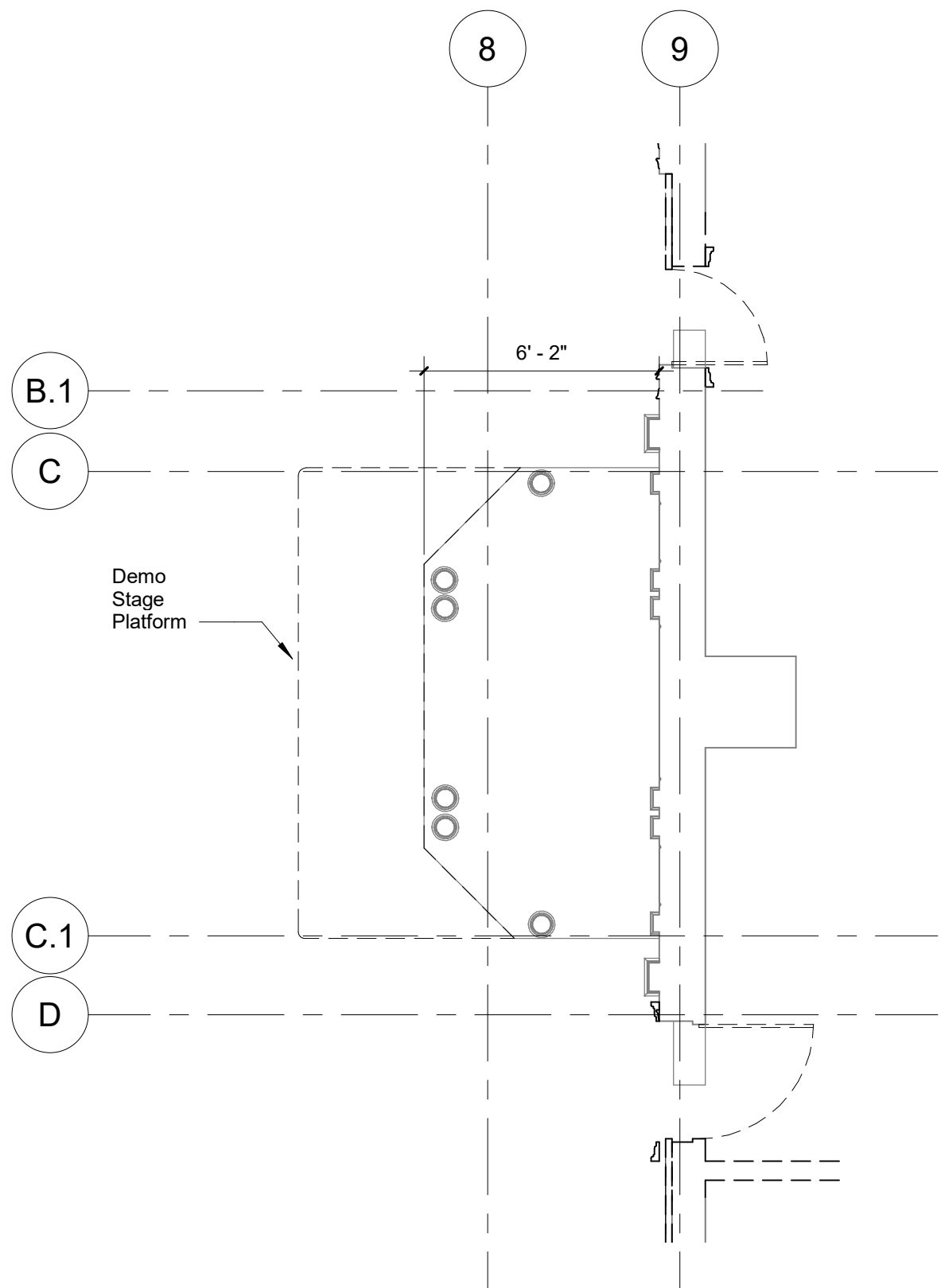
## INTERIOR ELEVATIONS - VESTIBULES

**A402**

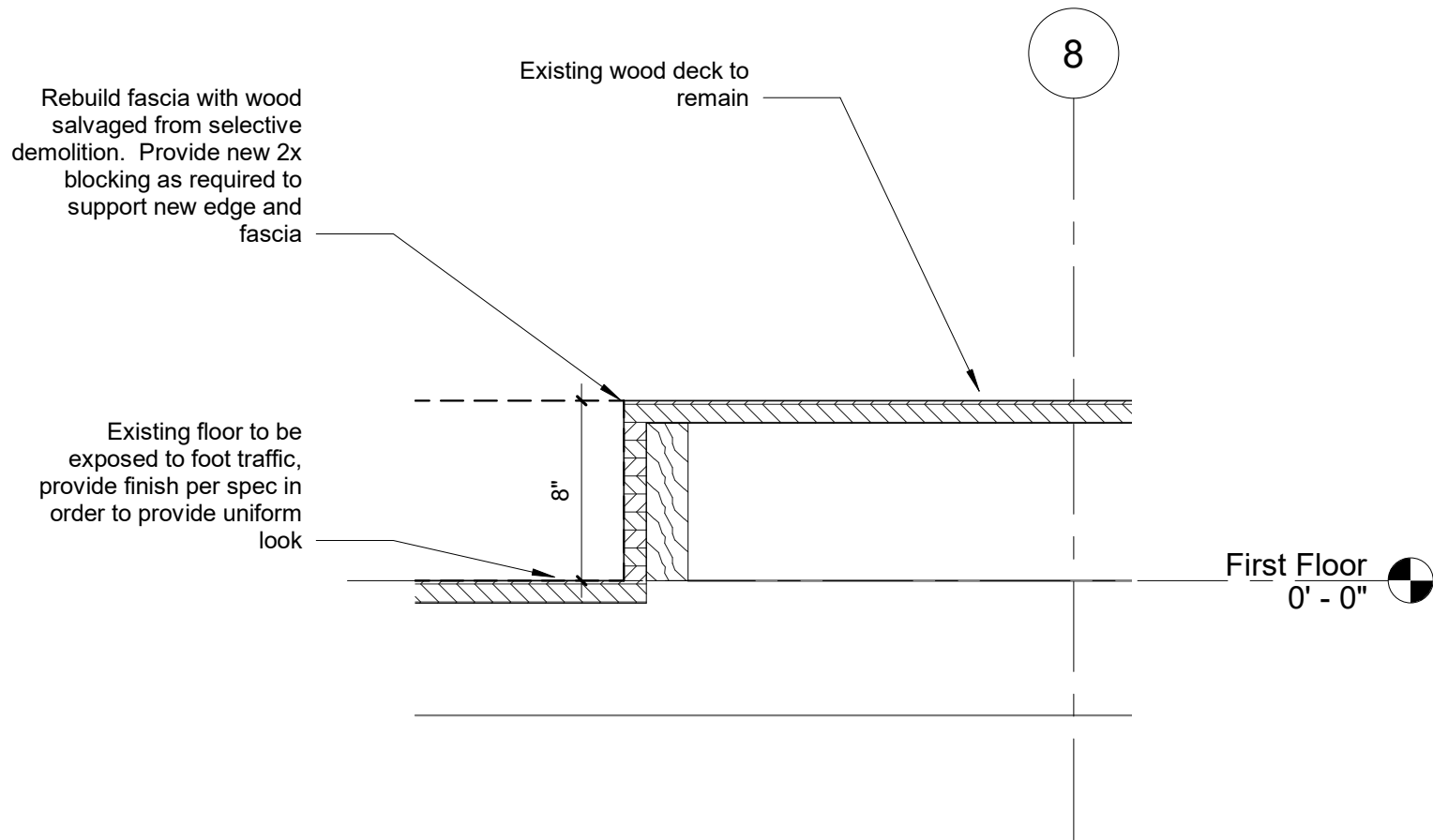
Scale As indicated



4/6/2022 10:32:22 AM



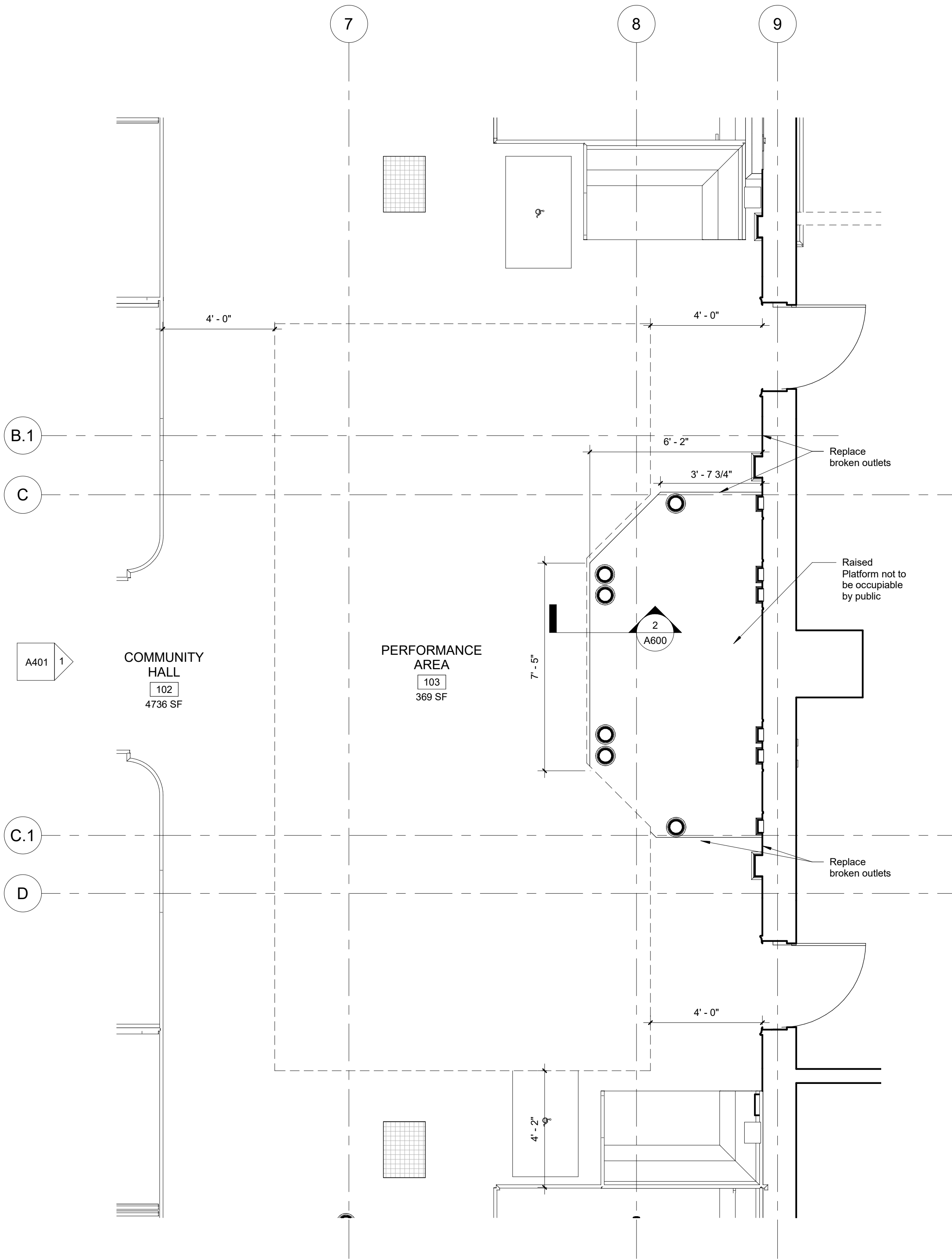
3 First Floor Demolition Plan - Performance Area Demo  
1/4" = 1'-0"



2 Performance Area Detail  
1 1/2" = 1'-0"



Photograph of existing stage, front portion to be removed and chamfered as illustrated in detail 3/A600



1 Enlarged Plan - Performance Area  
3/8" = 1'-0"

## GENERAL NOTES

1. All dimensions are to finish face of partition, U.N.O.
2. Refer to MEP/FP drawings for additional information.
3. Refer to finish drawings and schedules for all material finishes.
4. Refer to specifications for additional information.
5. Extent of existing flooring under pupil platform to be confirmed in field, provide quantity for replacement flooring if necessary.

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617-542-2000

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DavidW@ns-engineering.com  
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Prevco  
Steve Previte  
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## FIRST CHURCH OF ROXBURY

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## ENLARGED PLAN - PERFORMANCE AREA

**A600**

Scale As indicated





8 Photo - Interior Pews  
1/2" = 1'-0"



6 3D Front - Looking North



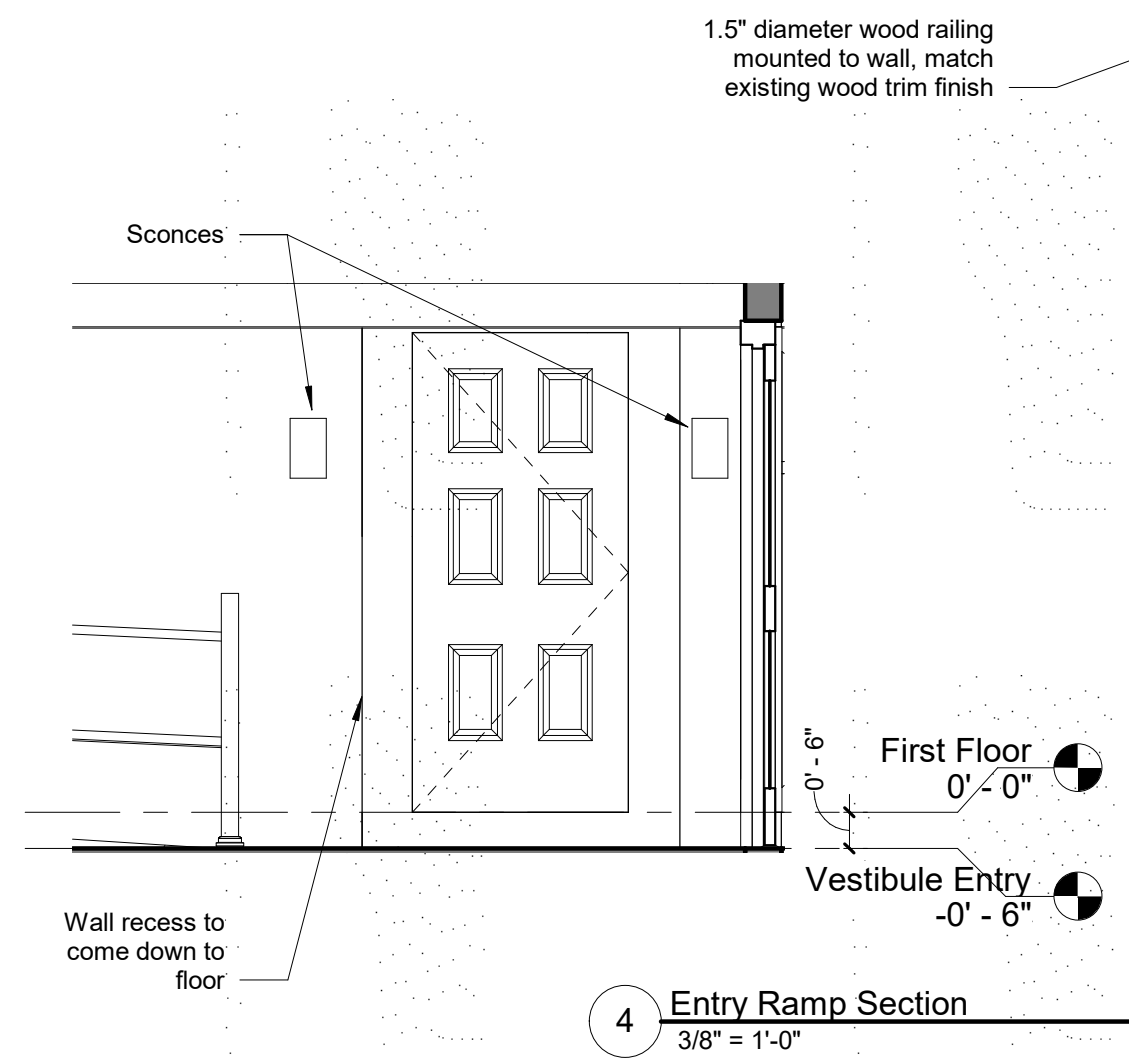
9 Photo - Plaque  
1/2" = 1'-0"



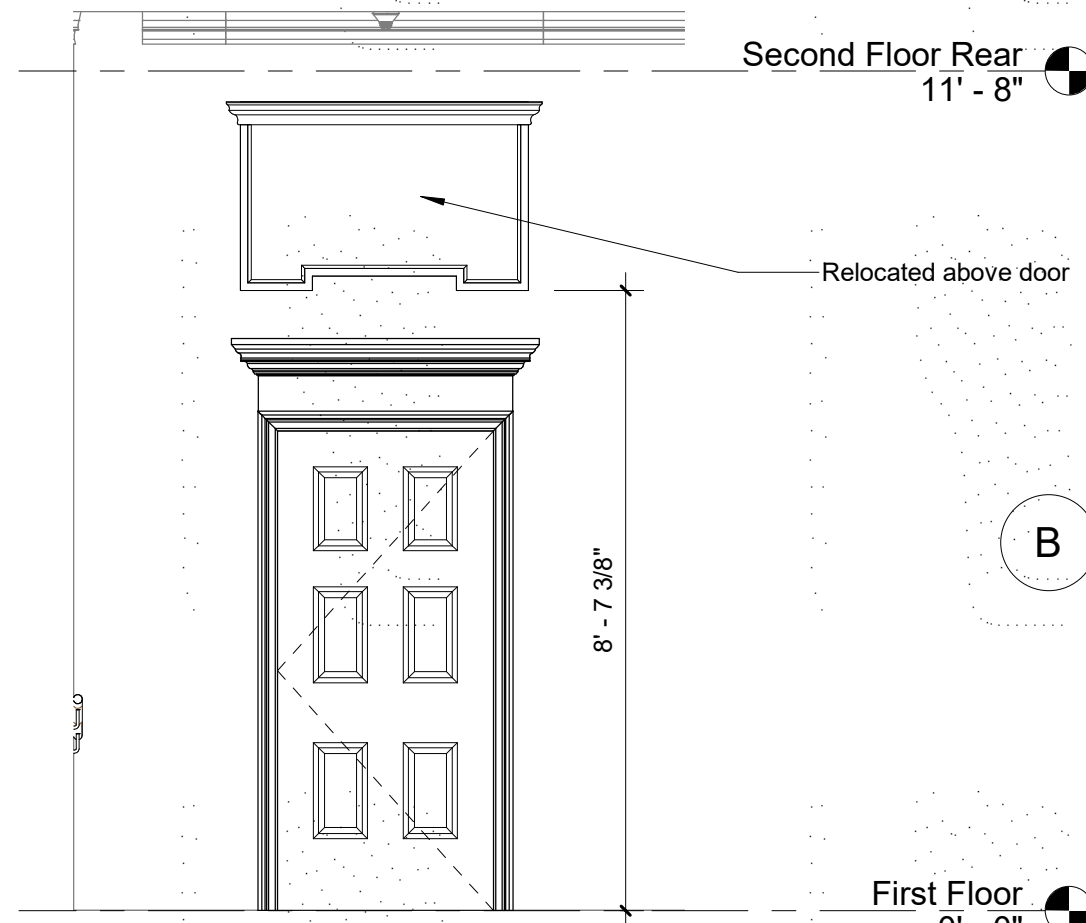
7 3D Proposed - Ramp



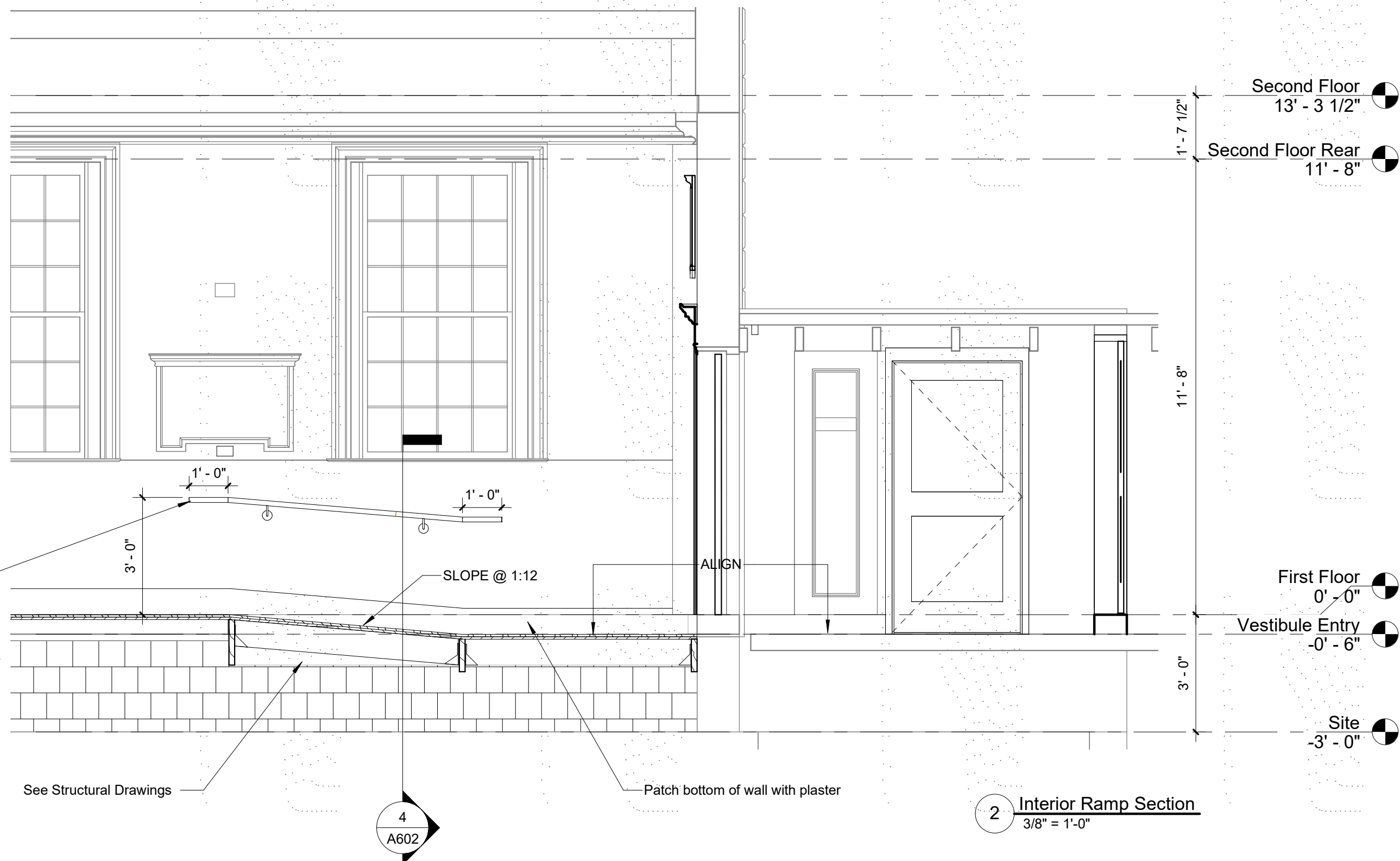
5 3D Front - Looking East



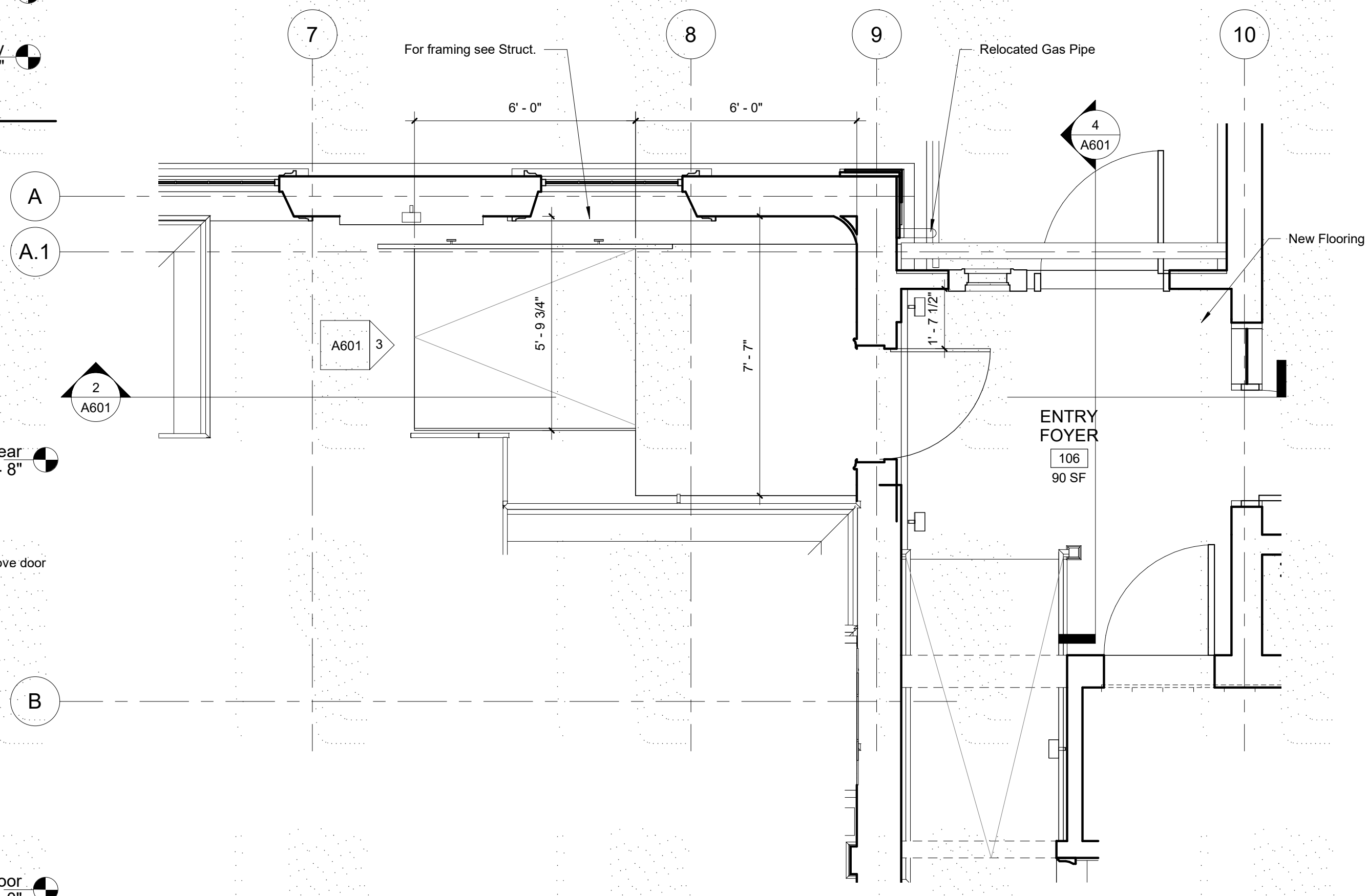
4 Entry Ramp Section  
3/8" = 1'-0"



3 Elevation at New Door  
3/8" = 1'-0"



2 Interior Ramp Section  
3/8" = 1'-0"



1 First Floor - Ramp Addition  
3/8" = 1'-0"

## GENERAL NOTES

1. All dimensions are to finish face of partition, U.N.O.
2. Refer to MEP/FP drawings for additional information.
3. Refer to finish drawings and schedules for all material finishes.
4. Refer to specifications for additional information.

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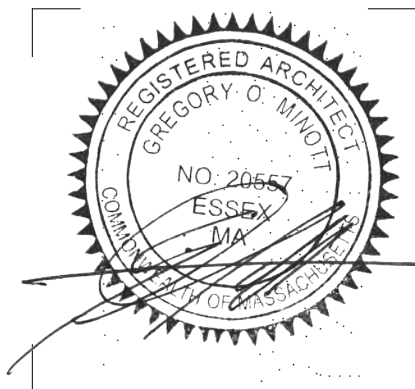
## FIRST CHURCH OF ROXBURY

10 Putnam St  
Roxbury, MA

## CONSTRUCTION DOCUMENTS

April 4, 2022

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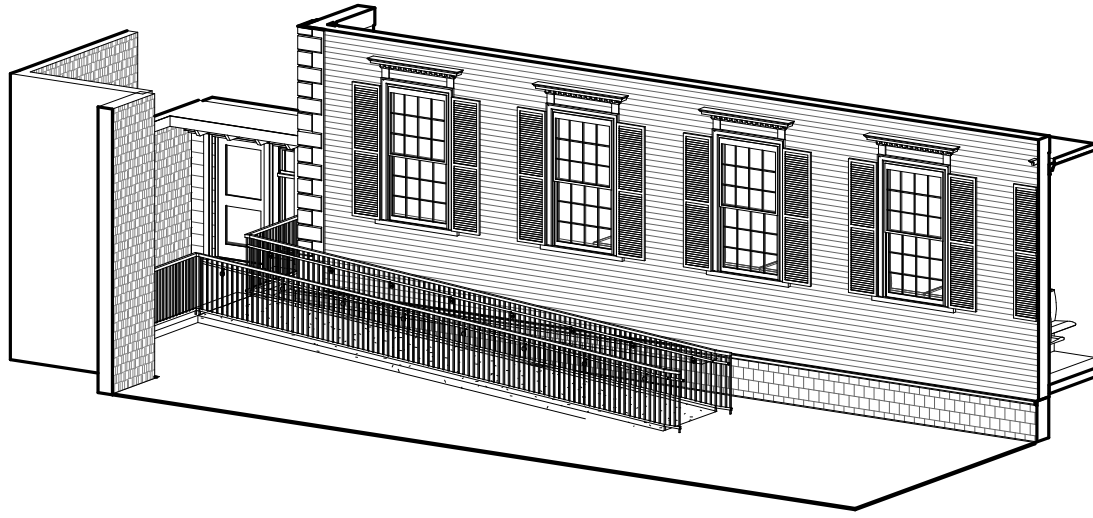


## ENLARGED RAMP - INTERIOR

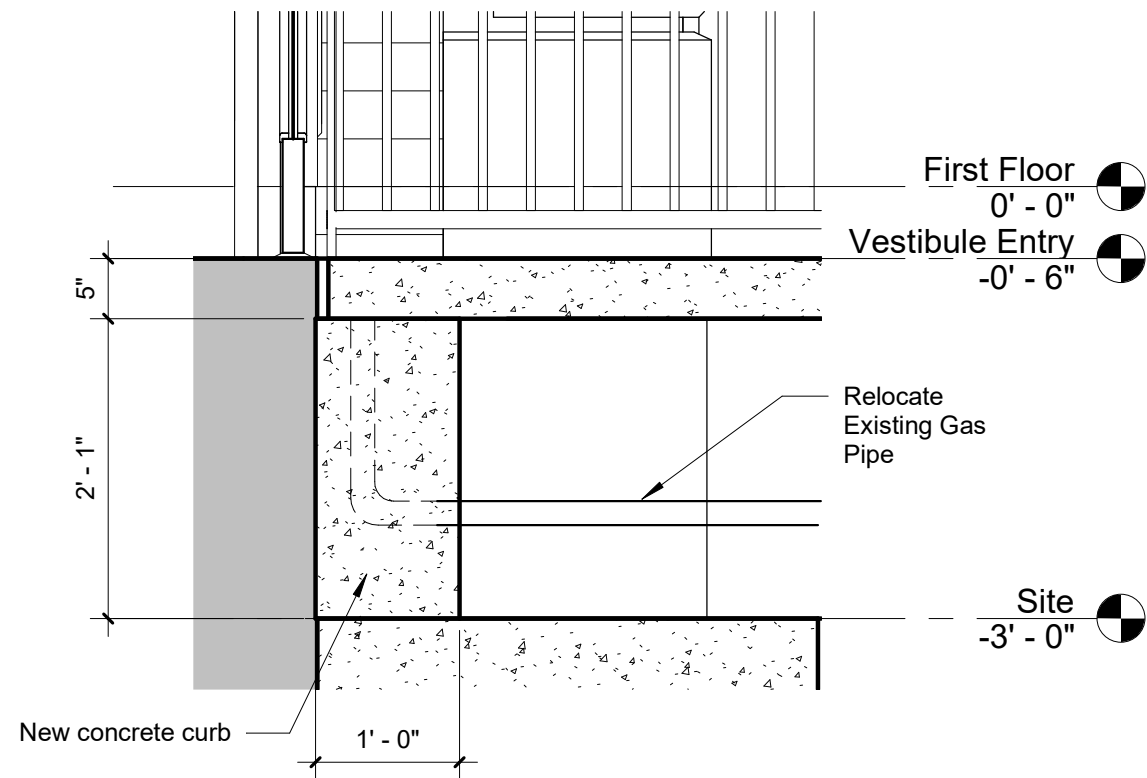
**A601**

Scale As indicated

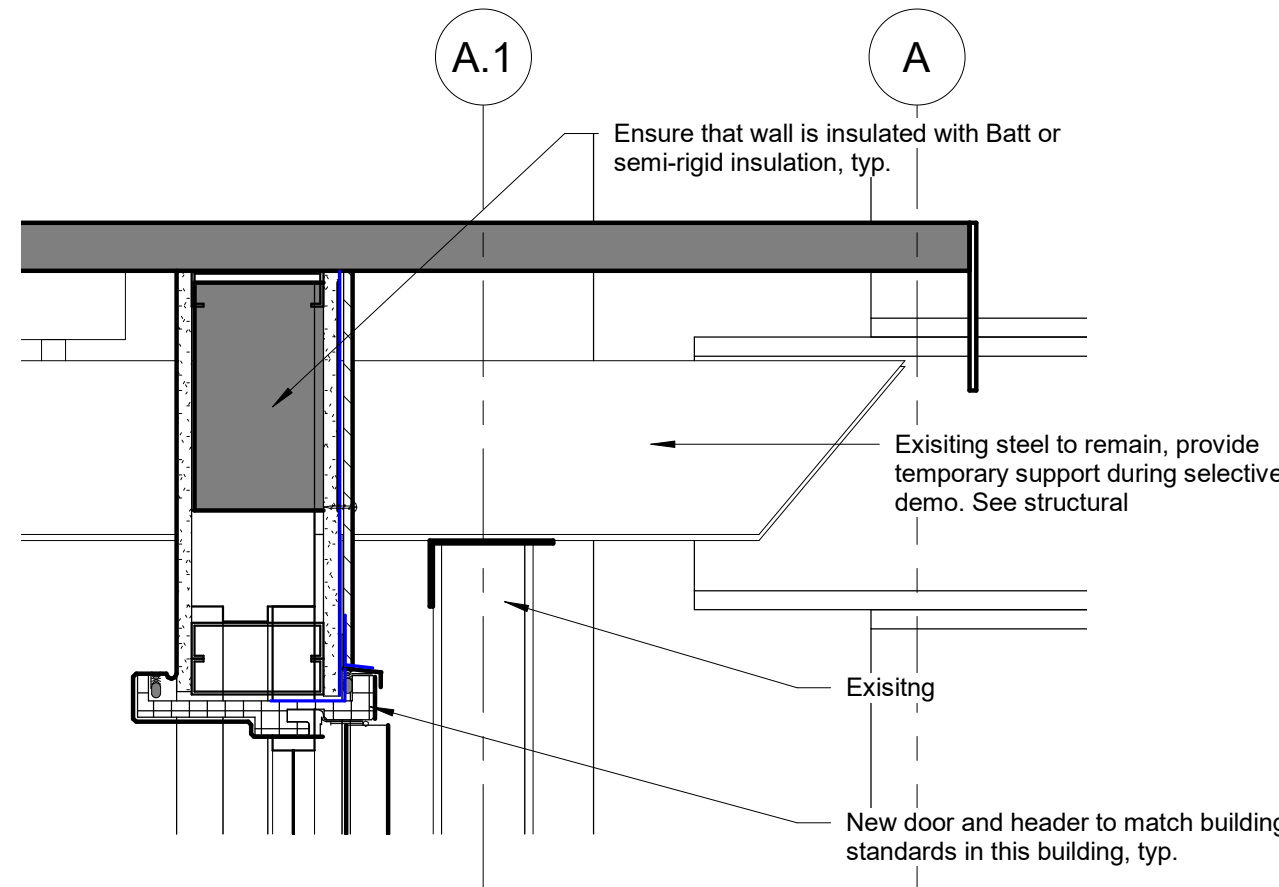




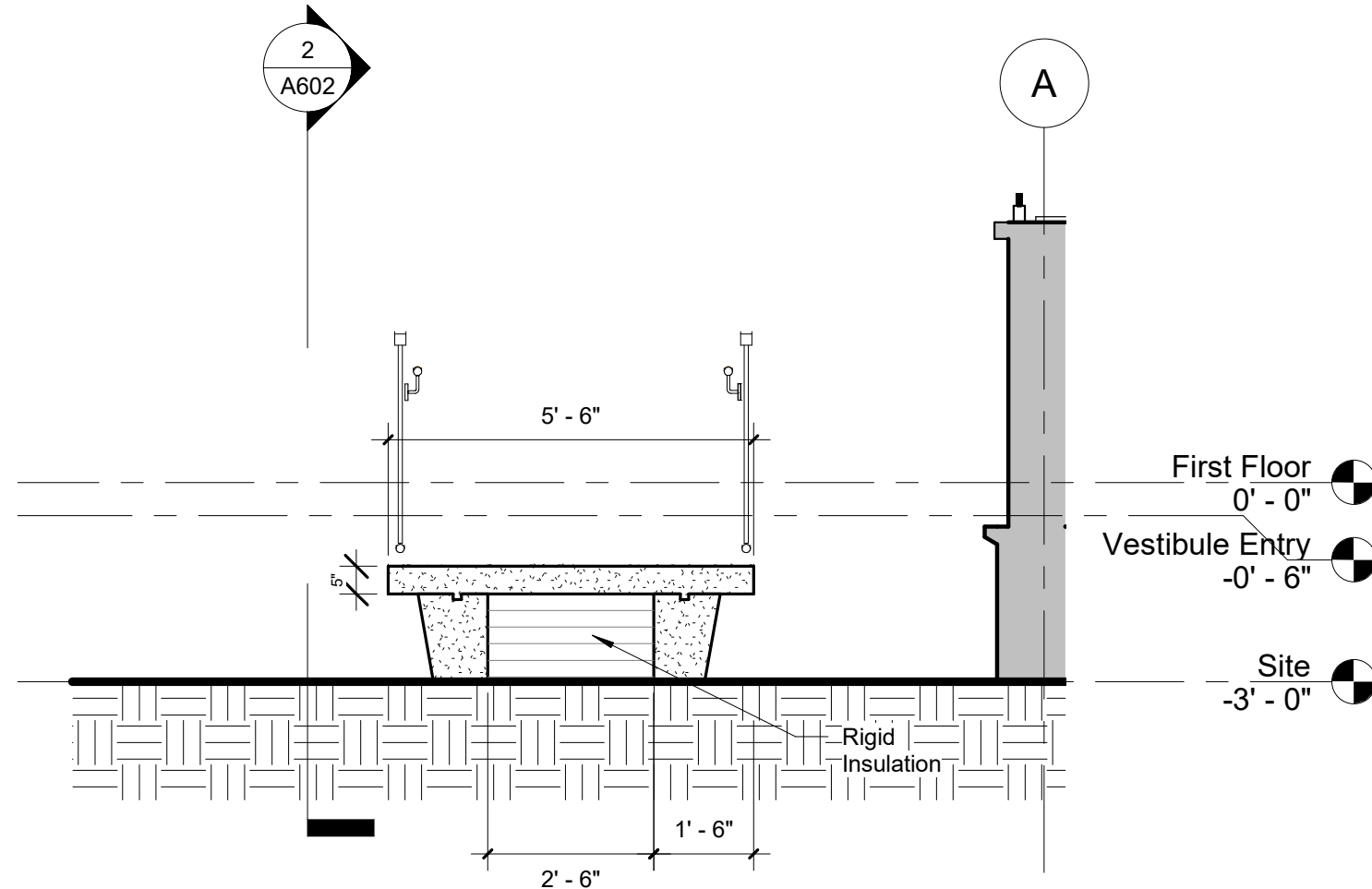
7 New Ramp 3d View



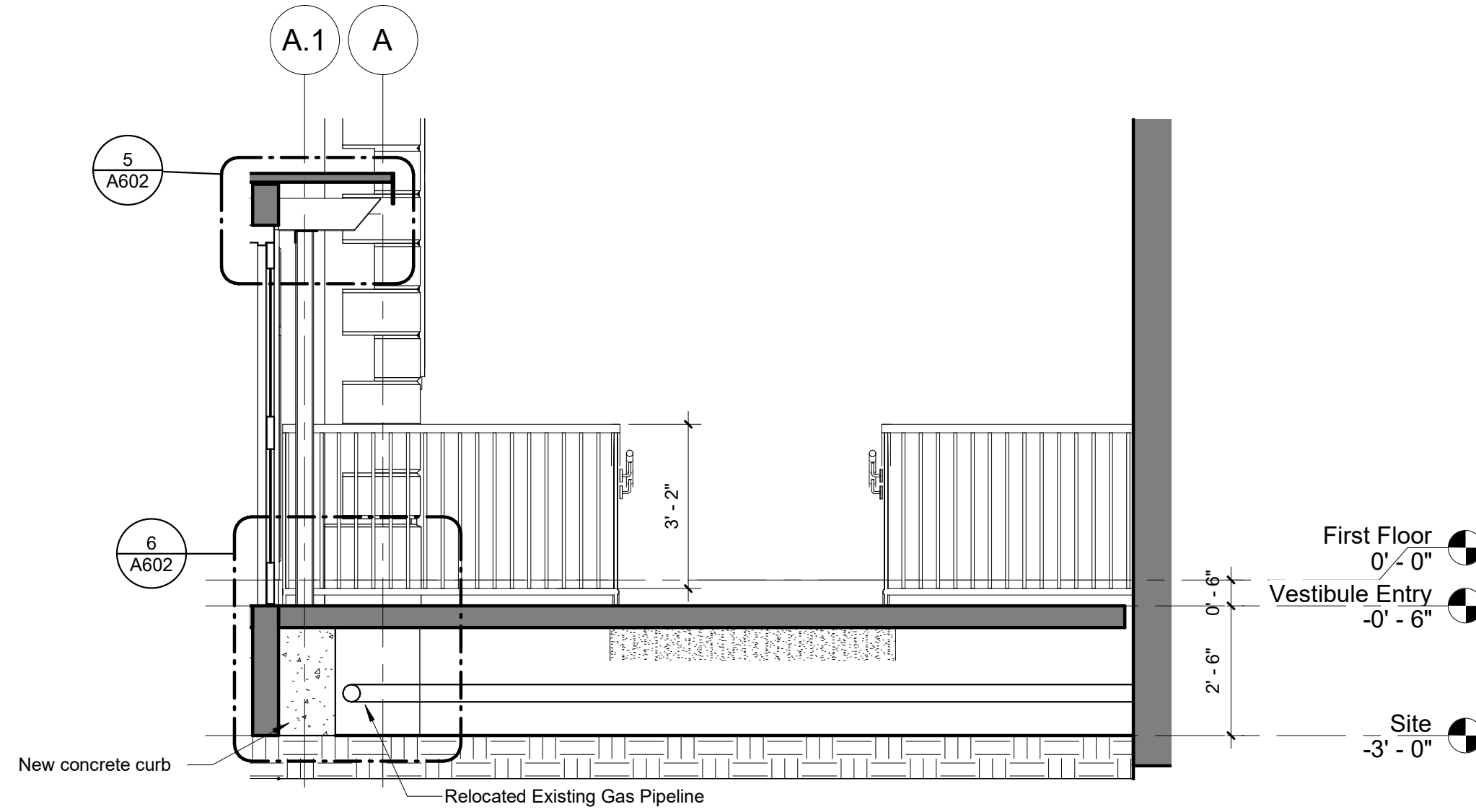
6 Exterior Ramp - Landing Cross-Section - Detail  
3/4" = 1'-0"



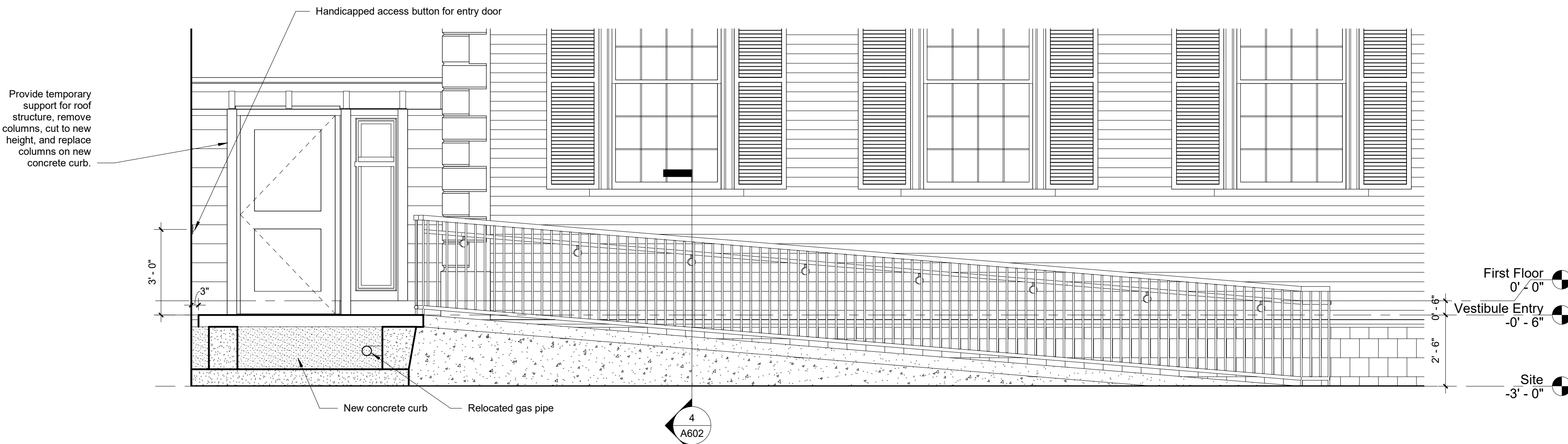
5 Exterior Ramp - Door Header Detail  
1 1/2" = 1'-0"



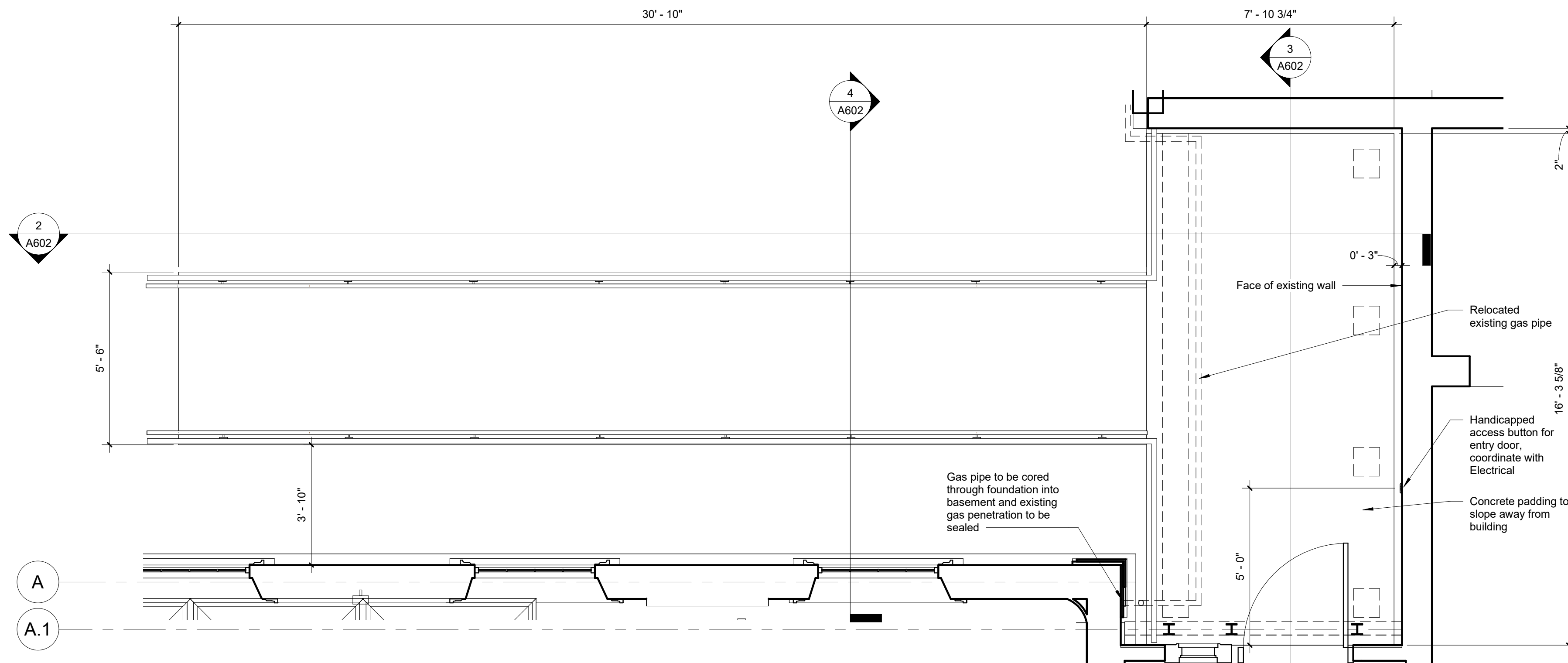
4 Ramp Cross Section  
3/8" = 1'-0"



3 Exterior Ramp - Landing Cross-Section  
3/8" = 1'-0"



2 Entry Ramp - Longitudinal Section  
3/8" = 1'-0"



1 Exterior Ramp - Enlarged Plan  
3/8" = 1'-0"

## GENERAL NOTES

1. All dimensions are to finish face of partition, U.N.O.
2. Refer to MEP/FP drawings for additional information.
3. Refer to finish drawings and schedules for all material finishes.
4. Refer to specifications for additional information.

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## FIRST CHURCH OF ROXBURY

10 Putnam St  
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## CONSTRUCTION DOCUMENTS

April 4, 2022

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## ENLARGED RAMP - EXTERIOR

**A602**

Scale As indicated



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Existing Conditions  
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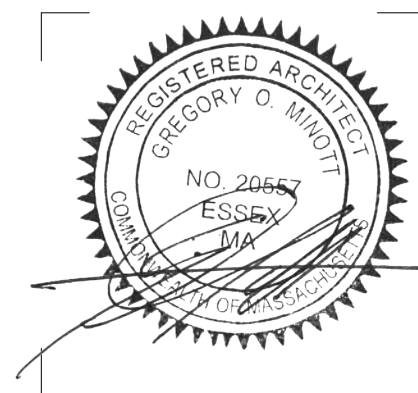
## FIRST CHURCH OF ROXBURY

10 Putnam St  
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### CONSTRUCTION DOCUMENTS

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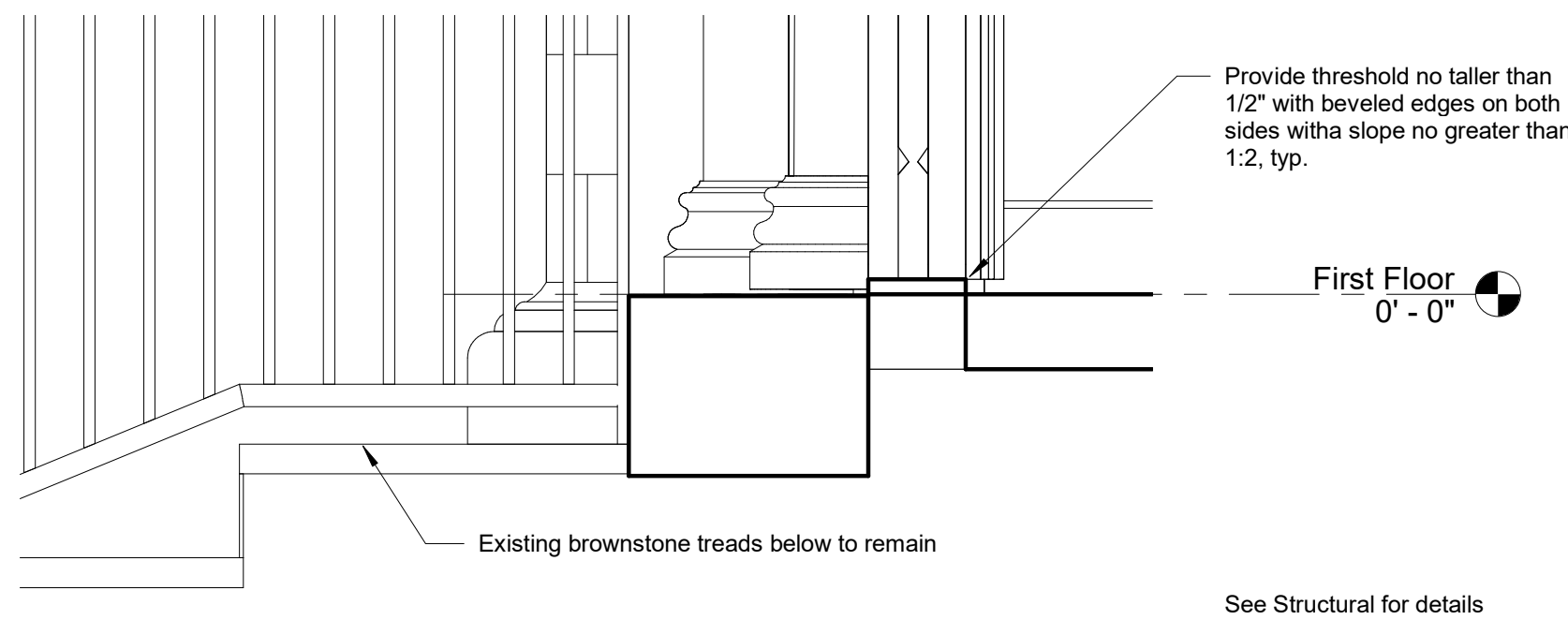
### ENLARGED FRONT ENTRY

# A603

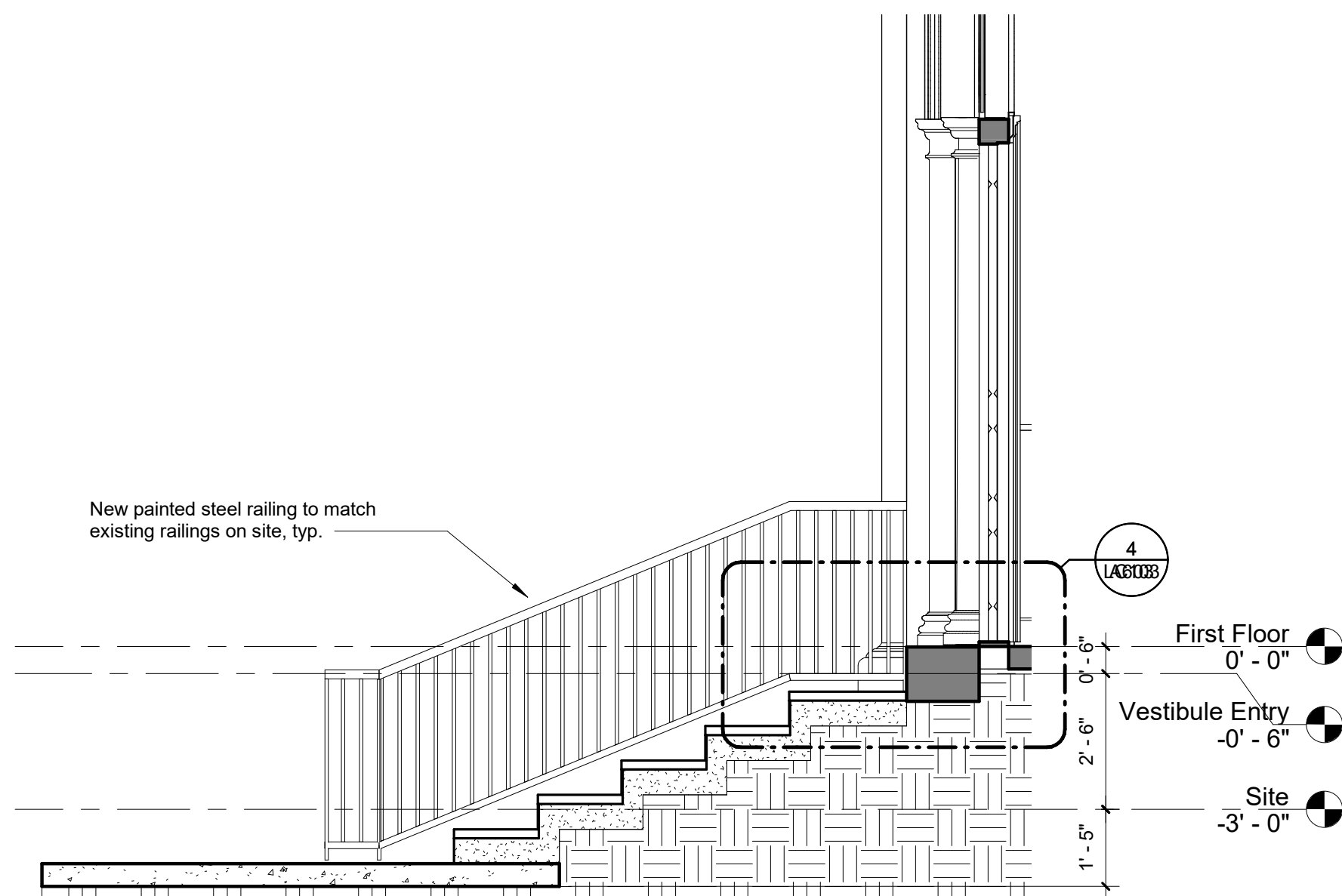
Scale As indicated



5 Front Entry Stair Perspective



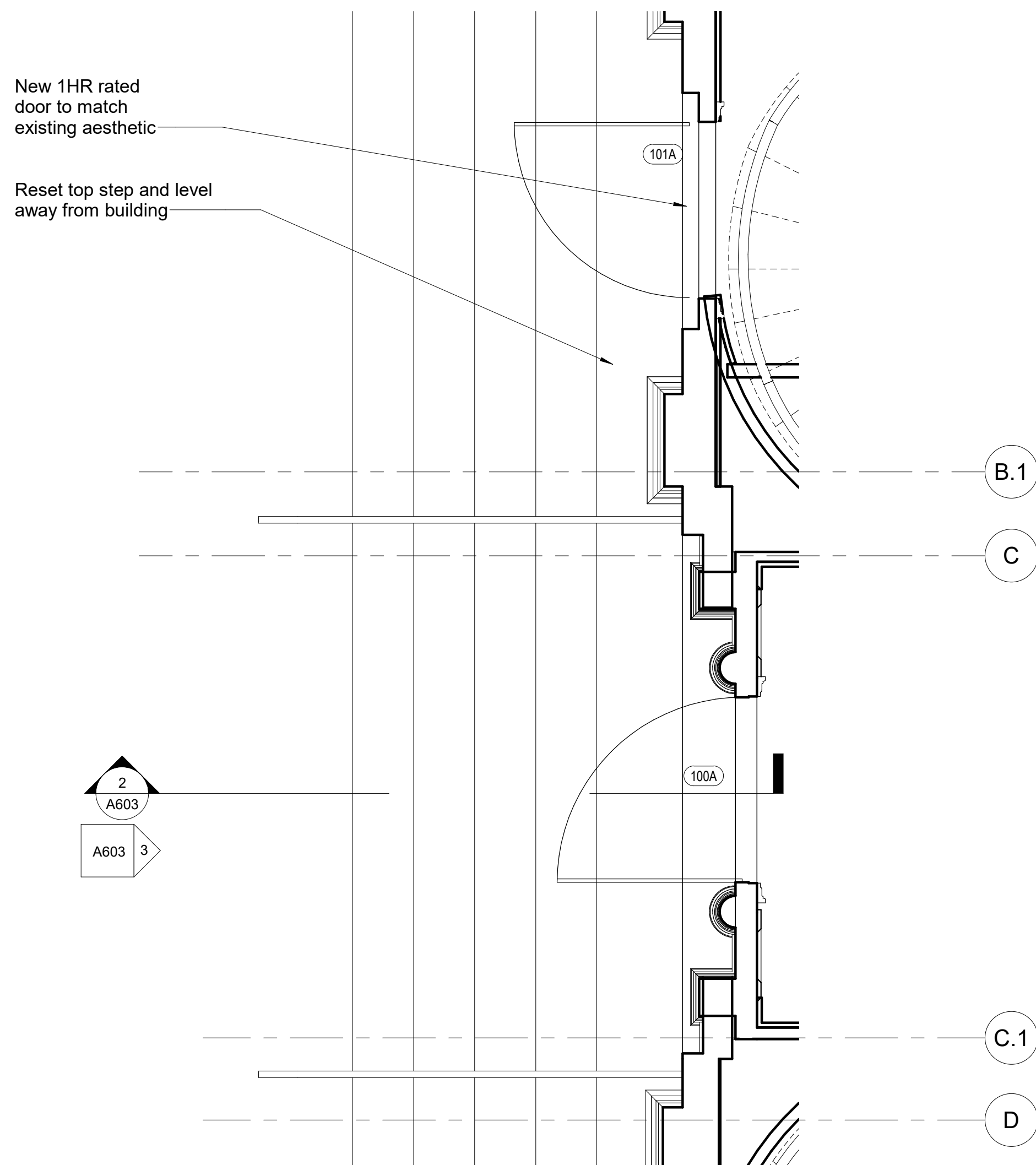
4 Section - Front Landing At Doors  
1" = 1'-0"



2 Front Steps Section  
3/8" = 1'-0"



3 Main Entry - Elevation  
3/8" = 1'-0"



1 Main Entry - Enlarged Plan  
3/8" = 1'-0"



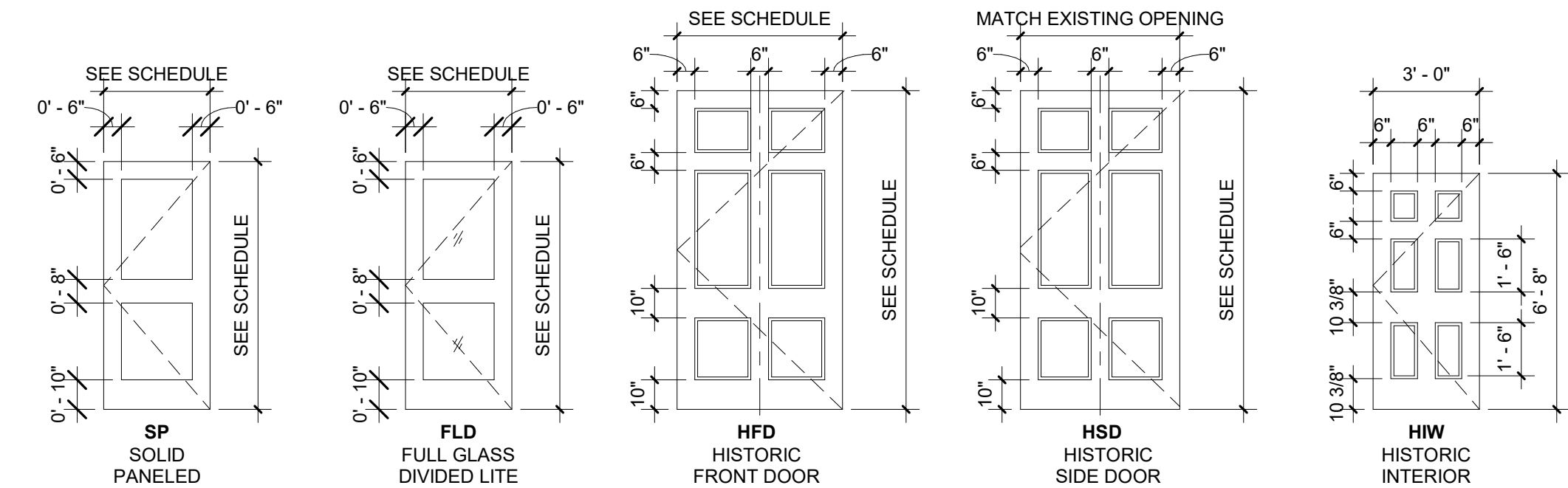




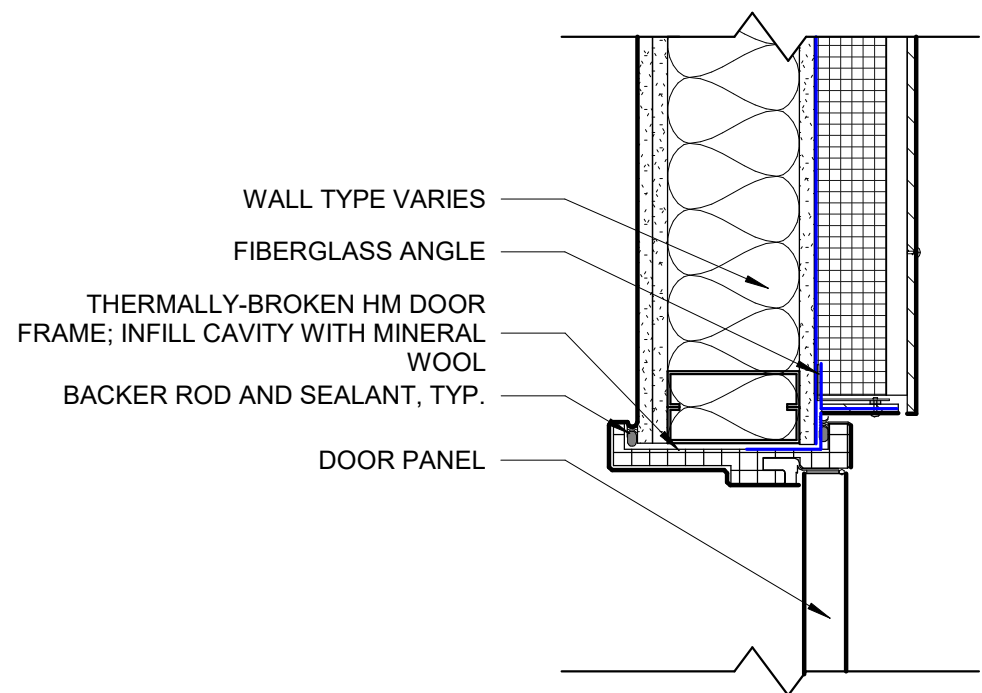
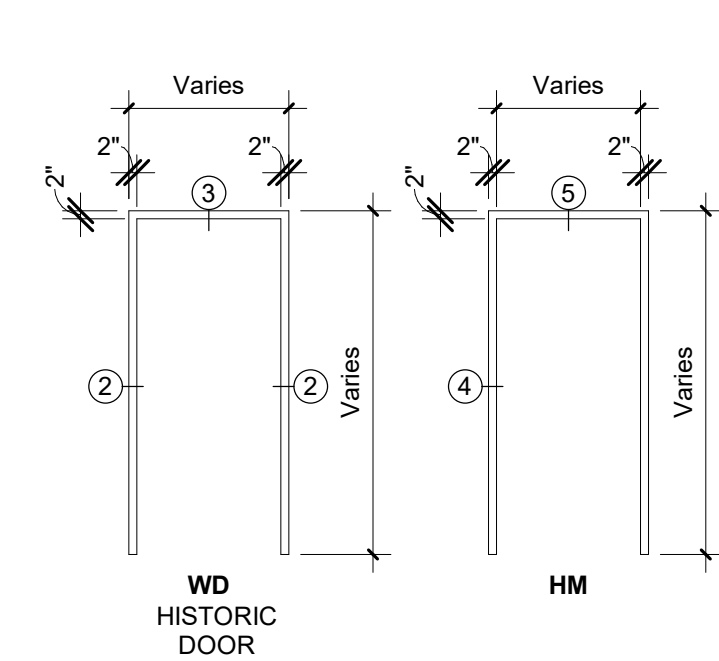
New Door Schedule												
Mark	Width	Height	Thickness	Door Panel Material & type	Rating - Instance	Frame Type	Frame Material	Frame Head Detail	Frame Jamb Detail	Frame Sill Detail	Door Hardware	Comments
100A	4'-8"	9'-2"		HFD	1 HR						03	New Fire rated door, custom built to match historic aesthetic. New hardware with egress egress component
101A	4'-5"	9'-2"		HSD	1 HR						02	New fire rated door to match historic aesthetic. New hardware with egress components
101B	4'-5"	9'-2"		HSD	1 HR						02	New fire rated door to match historic aesthetic. New hardware with egress components
104A	3'-0"	6'-8"		HIW							07	New custom door to match historic aesthetic. New hardware.
104B	3'-0"	6'-8"		HIW							07	New custom door to match historic aesthetic. New hardware.
106A	3'-4"	7'-0"	0' - 1 3/4"	FGD							01	New door with new hardware and door operators
106B	3'-0"	6'-8"		HIW							05	New door with new hardware.
108	3'-0"	7'-0"	0' - 2"	FGD	2 HR						08	New Fire rated door on hold open hardware

Existing Doors Schedule												
Mark	Width	Height	Thickness	Door Panel Material & type	Rating - Instance	Frame Type	Frame Material	Frame Head Detail	Frame Jamb Detail	Frame Sill Detail	Door Hardware	Comments
E100A	5'-10"	9'-2"									N/A	Remove and store door and hardware.
E100B	10'-3"	7'-0"									N/A	Remove and store door and hardware.
E101A	4'-6"	7'-6"									N/A	Remove and store door and hardware.
E101B	4'-6"	7'-6"									N/A	Remove and store door and hardware.
E101C	4'-6"	9'-1"									05	Refinish Doors and install new hardware
E102A	4'-6"	9'-1"									05	Refinish Doors and install new hardware
E102B	4'-6"	9'-1"									05	Refinish Doors and install new hardware
E104A	2'-6"	9'-2"									N/A	Remove and store door and hardware.
E104B	3'-0"	9'-2"									N/A	Remove and store door and hardware.
E105	3'-0"	7'-0"	0' - 2"								09	Remove and rehang existing door and hardware
E108	5'-0"	7'-0"	0' - 1 1/2"								N/A	Remove and store door and hardware.

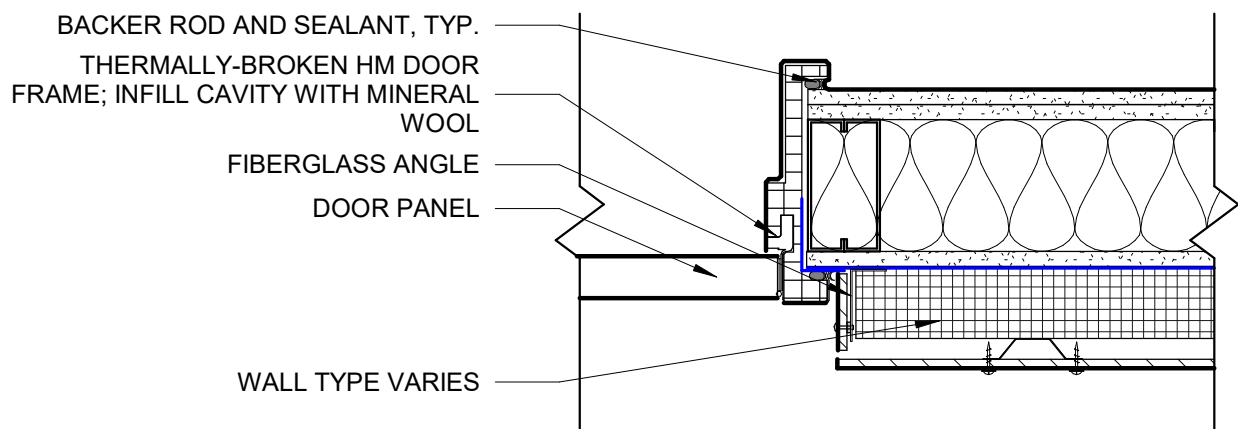
## DOOR TYPES



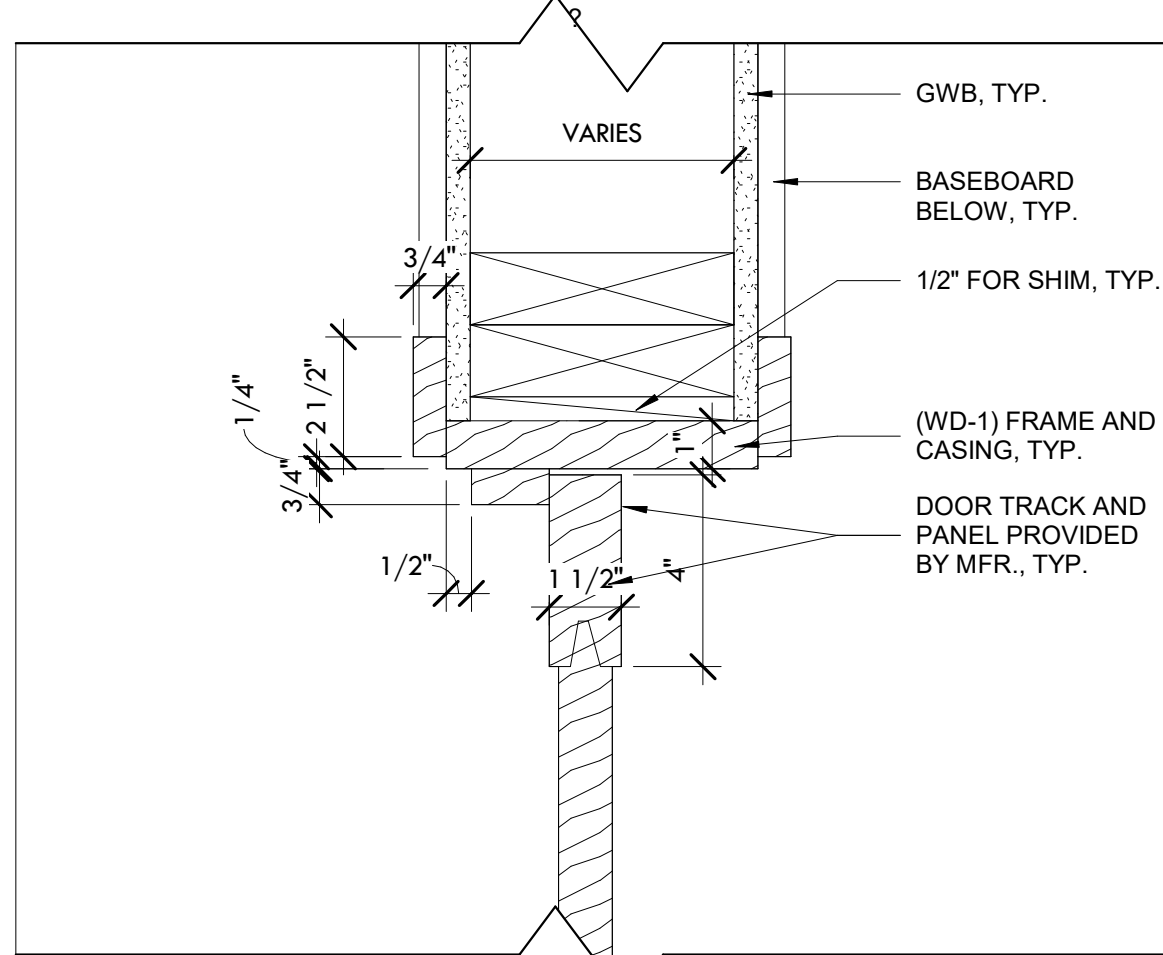
## DOOR FRAMES



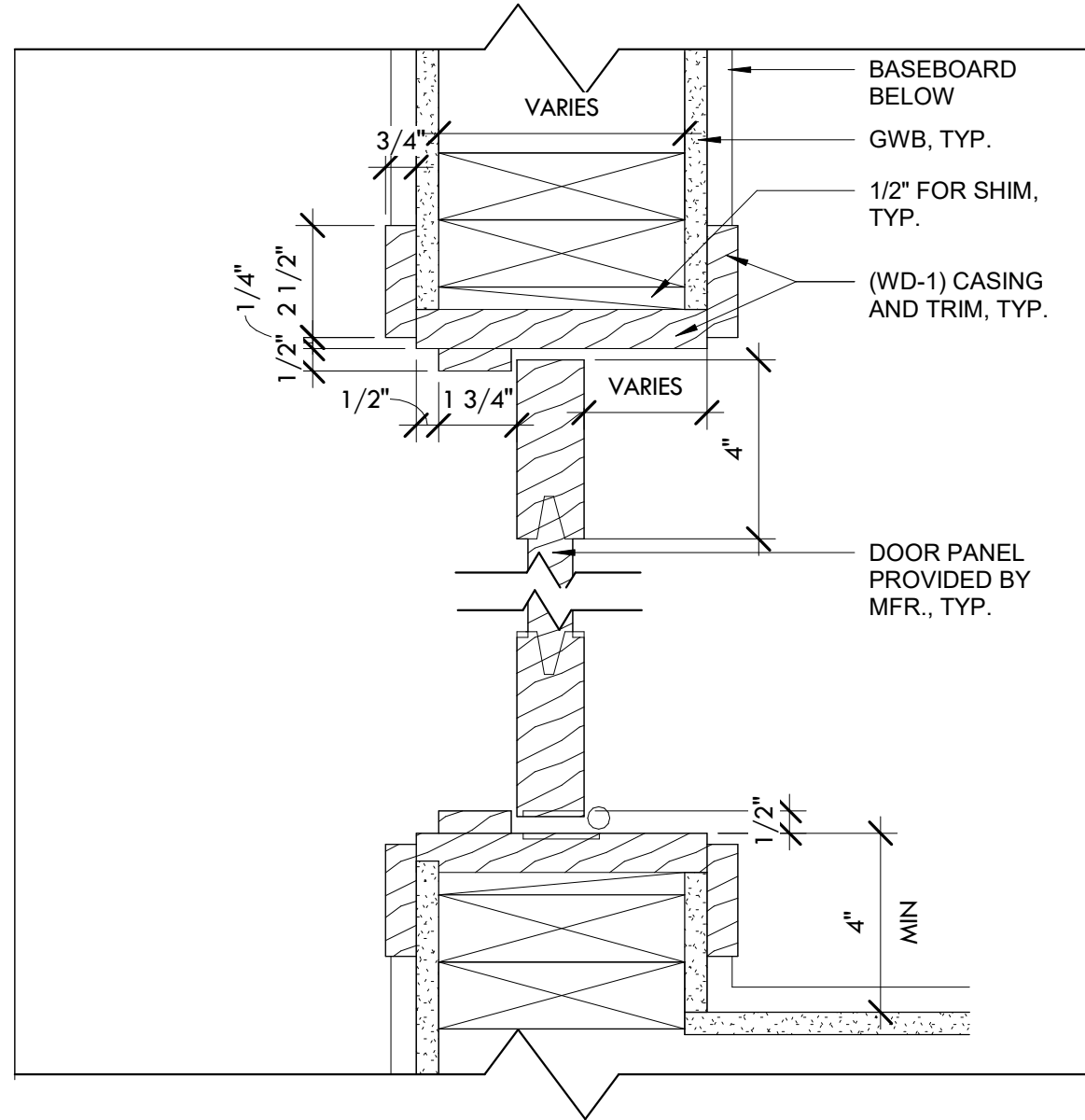
⑤ Detail - Door - HM Header  
1 1/2" = 1'-0"



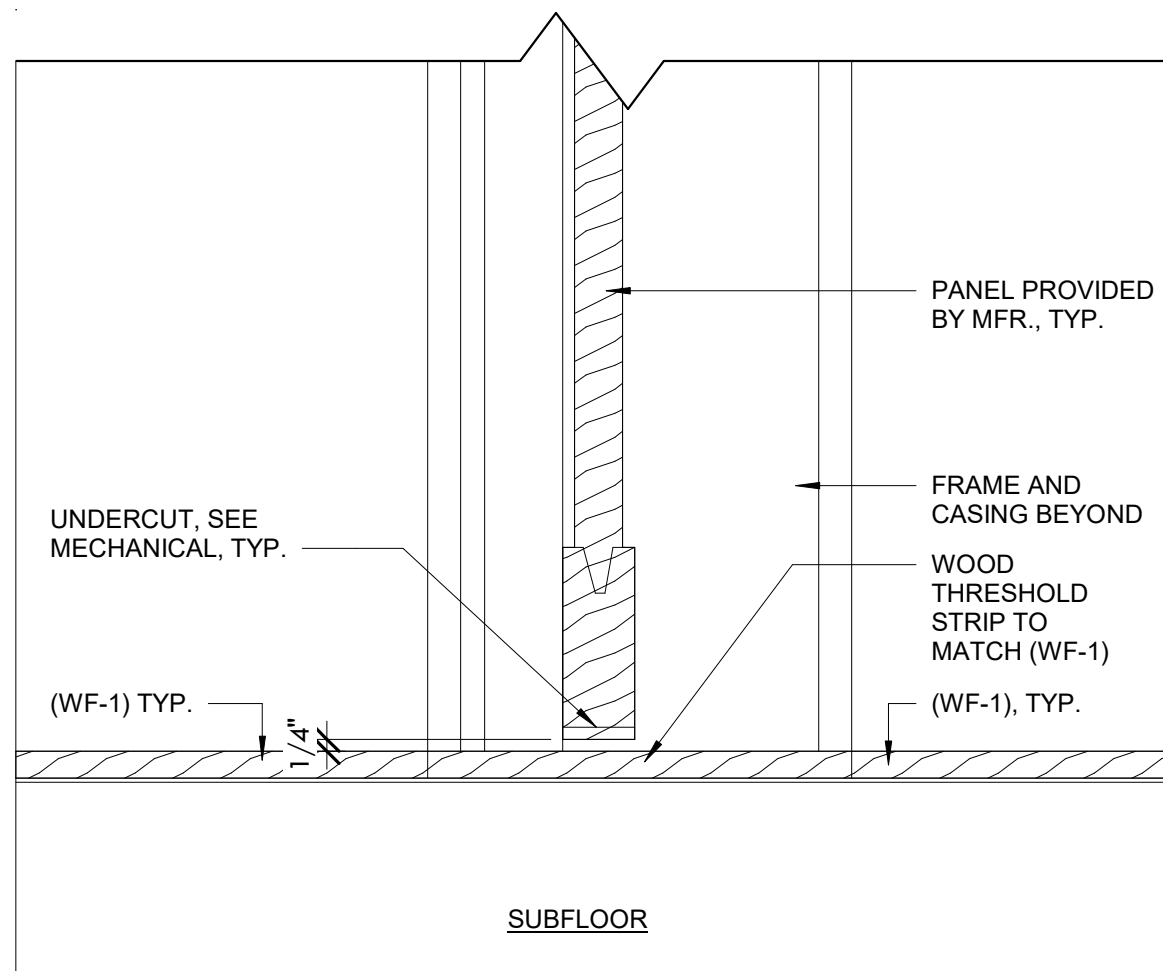
④ Detail - Door - HM Jamb  
1 1/2" = 1'-0"



③ Interior Single Door - Header Detail  
3" = 1'-0"



② Interior Single Door - Jamb Detail  
3" = 1'-0"



① Interior Single Door - Sill Detail  
3" = 1'-0"

## GENERAL NOTES

1. All dimensions are to finish face of partition, U.N.O.
2. Refer to MEP/FP drawings for additional information.
3. Refer to finish drawings and schedules for all material finishes.
4. Refer to specifications for additional information.
5. All thresholds to be cut down to 1/4" Maximum height, reinstalled, and refinished
6. New doors to match existing aesthetic
7. All doors to receive new hardware



Existing Jamb



Existing Jamb

## FIRST CHURCH OF ROXBURY

10 Putnam St  
Roxbury, MA

## CONSTRUCTION DOCUMENTS

April 4, 2022

No.	Description	Date
1	ISD Revisions	07/06/22



## DOOR SCHEDULE & FRAME TYPES

**A700**











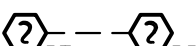









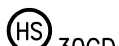























Scale As indicated



ELECTRICAL LEGEND		
<div>ABBREVIATIONS</div> <div><div>AC</div><div>ALTERNATING CURRENT</div></div> <div><div>AFCI</div><div>ARC FAULT CIRCUIT INTERRUPTER</div></div> <div><div>AFF</div><div>ABOVE FINISH FLOOR</div></div> <div><div>AHU</div><div>AIR HANDLING UNIT</div></div> <div><div>CMU</div><div>CONCRETE MASONRY UNIT</div></div> <div><div>DC</div><div>DIRECT CURRENT</div></div> <div><div>DDC</div><div>DIRECT DIGITAL CONTROL</div></div> <div><div>DHW</div><div>DOMESTIC HOT WATER</div></div> <div><div>(E)</div><div>EXISTING EQUIPMENT, RETAIN RACEWAYS, JUNCTION BOXES, AND BRANCH CIRCUIT WIRING.</div></div> <div><div>EC</div><div>ELECTRICAL CONTRACTOR</div></div> <div><div>EF</div><div>EXHAUST FAN</div></div> <div><div>EMS</div><div>ENERGY MANAGEMENT SYSTEM</div></div> <div><div>ETR</div><div>EXISTING TO REMAIN</div></div> <div><div>FC</div><div>FAN COIL</div></div> <div><div>FPC</div><div>FIRE PROTECTION CONTRACTOR</div></div> <div><div>FSB</div><div>FILED SUB-BID</div></div> <div><div>FT</div><div>FEET</div></div> <div><div>GFCI</div><div>GROUND FAULT CIRCUIT INTERRUPTER</div></div> <div><div>IFP</div><div>INTELLIGENT FIELD PANEL</div></div> <div><div>MDP</div><div>MAIN DISTRIBUTION PANEL</div></div> <div><div>MLO</div><div>MAIN LUG PANEL</div></div> <div><div>MAU</div><div>MAKEUP AIR UNIT</div></div> <div><div>MC</div><div>MECHANICAL CONTRACTOR</div></div> <div><div>NTS</div><div>NOT TO SCALE</div></div> <div><div>OH</div><div>OVERHEAD</div></div> <div><div>PC</div><div>PLUMBING CONTRACTOR</div></div> <div><div>PROVIDE</div><div>SUPPLY AND INSTALL</div></div> <div><div>RTU</div><div>ROOF TOP UNIT</div></div> <div><div>SA</div><div>SURGE ARRESTOR</div></div> <div><div>TVSS</div><div>TRANSIENT VOLTAGE SURGE SUPPRESSOR</div></div> <div><div>TYP</div><div>TYPICAL</div></div> <div><div>UG</div><div>UNDERGROUND</div></div> <div><div>UH</div><div>UNIT HEATER</div></div> <div><div>UOS</div><div>UNLESS OTHERWISE SPECIFIED</div></div> <div><div>UV</div><div>UNIT VENTILATOR</div></div> <div><div>VFD</div><div>VARIABLE FREQUENCY DRIVE</div></div> <div><div>WP</div><div>WEATHER PROOF</div></div>	<div>POWER LEGEND</div> <div><div></div><div>PANEL BOARD</div></div> <div><div></div><div>JUNCTION BOX</div></div> <div><div></div><div>JUNCTION BOX WITH EQUIPMENT CONNECTION</div></div> <div><div></div><div>JUNCTION BOX WITH CONNECTION TO RANGE HOOD FAN-LIGHT</div></div> <div><div></div><div>JUNCTION BOX WITH CONNECTION TO WALL OVEN</div></div> <div><div></div><div>JUNCTION BOX WITH CONNECTION TO COOKTOP</div></div> <div><div></div><div>MOTOR WITH THERMAL OVERLOAD MOUNTED ADJACENT TO MOTOR</div></div> <div><div></div><div>SPECIAL PURPOSE RECEPTACLE</div></div> <div><div></div><div>ELECTRIC VEHICLE CHARGING STATION</div></div> <div><div></div><div>DUPLEX RECEPTACLE</div></div> <div><div></div><div>DUPLEX RECEPTACLE BOTTOM SWITCHED</div></div> <div><div></div><div>DUPLEX RECEPTACLE ABOVE COUNTER</div></div> <div><div></div><div>DOUBLE DUPLEX RECEPTACLE (QUADPLEX)</div></div> <div><div></div><div>WEATHERPROOF DUPLEX RECEPTACLE WITH GROUND FAULT PROTECTION AND IN-USE TYPE COVER</div></div> <div><div></div><div>GROUND FAULT RECEPTACLE</div></div> <div><div></div><div>TECH RECEPTACLE WITH USB PORTS</div></div> <div><div></div><div>GFI RECEPTACLE UNDERCOUNTER FOR DISPOSAL</div></div> <div><div></div><div>GFI RECEPTACLE FOR DISHWASHER</div></div> <div><div></div><div>RECEPTACLE IN CABINET FOR MICROWAVE</div></div> <div><div></div><div>THREE-GANG RECESSED TV BOX WITH RECEPTACLE, CABLE TV OUTLET, AND DATA OUTLET MOUNTED AT 5'-0" AFF</div></div> <div><div></div><div>FLOOR-MOUNTED DUPLEX RECEPTACLE (FLUSH)</div></div> <div><div></div><div>FLOOR-MOUNTED DOUBLE DUPLEX RECEPTACLE (FLUSH)</div></div> <div><div></div><div>RECESSED FLOOR BOX WITH RECEPTACLE, TV, DATA, AND A/V CONNECTIONS (FLUSH). (TV, DATA, AND A/V BY OWNER).</div></div> <div><div></div><div>FIXED MULTI-OUTLET ASSEMBLY</div></div> <div><div></div><div>DISCONNECT SWITCH. 60 AMP DISCONNECT WITH 40 AMP FUSE.</div></div> <div><div></div><div>MAGNETIC STARTER</div></div> <div><div></div><div>MOTOR (NUMERAL DENOTED HORSEPOWER).</div></div> <div><div></div><div>GENERATOR</div></div> <div><div></div><div>CIRCUIT BREAKER</div></div> <div><div></div><div>FUSE</div></div> <div><div></div><div>HOMERUN. ARROWS DENOTE THE NUMBER OF CIRCUITS AND SLASH MARKS DENOTE THE NUMBER OF #12 CURRENT-CARRYING CONDUCTORS (PLUS GROUND) IN 3/4" CONDUIT RACEWAY OR CABLE ASSEMBLY. NO SLASHES INDICATES (2)#12 AWG, (1)#12 AWG GROUND IN 3/4" CONDUIT.</div></div> <div><div></div><div>CONDUIT OR CABLE ASSEMBLY TURNING UP.</div></div> <div><div></div><div>CONDUIT OR CABLE ASSEMBLY TURNING DOWN.</div></div> <div><div></div><div>RACEWAY OR CABLE ASSEMBLY INSTALLED CONCEALED.</div></div> <div><div></div><div>RACEWAY INSTALLED EXPOSED.</div></div>	<div>DRAWING SYMBOLS</div> <div><div></div><div>AUTOMATIC TRANSFER SWITCH</div></div> <div><div></div><div>TWO-WAY COMMUNICATION BASE STATION</div></div> <div><div></div><div>TWO-WAY COMMUNICATION CALL BOX</div></div> <div><div></div><div>CONNECT TO EXISTING</div></div> <div><div></div><div>CLOSED CIRCUIT SECURITY TV OUTLET</div></div> <div><div></div><div>CHIME</div></div> <div><div></div><div>CARD READER</div></div> <div><div></div><div>DOOR HOLDER</div></div> <div><div></div><div>DOCUMENT STORAGE CABINET</div></div> <div><div></div><div>ELECTRIC DOOR RELEASE</div></div> <div><div></div><div>HANDHOLE</div></div> <div><div></div><div>INTERCOM W/ DOOR RELEASE</div></div> <div><div></div><div>INTERCOM W/ VISUAL &amp; DOOR RELEASE</div></div> <div><div></div><div>INTERCOM MASTER</div></div> <div><div></div><div>KEY PAD</div></div> <div><div></div><div>KEY OPERATED SWITCH</div></div> <div><div></div><div>EMERGENCY LIGHTING INVERTER</div></div> <div><div></div><div>OCCUPANCY SENSOR. WALL-MOUNTED WITH INTERGAL SWITCH.</div></div> <div><div></div><div>OCCUPANCY SENSOR WALL MOUNTED WITH TWO (2) INTERGAL SWITCHES.</div></div> <div><div></div><div>PHOTO CELL</div></div> <div><div></div><div>POWER SUPPLY</div></div> <div><div></div><div>THERMOSTAT</div></div> <div><div></div><div>VOLTAGE TRANSFORMER (120V/24V)</div></div> <div><div></div><div>TIME SWITCH</div></div> <div><div></div><div>CABLE TELEVISION OUTLET</div></div> <div><div></div><div>WATER ALARM</div></div> <div><div></div><div>ELECTRIC METER</div></div> <div><div></div><div>GROUND CONNECTION</div></div> <div><div></div><div>MEDIA CABINET WITH CATV SPLITTER, DATA PATCH PANEL, &amp; TELE INTERFACE UNIT</div></div> <div><div></div><div>PUSH BUTTION</div></div> <div><div></div><div>REVISION TRIANGLE</div></div> <div><div></div><div>SECURITY CAMERA</div></div> <div><div></div><div>DATA OUTLET (1) RJ45</div></div> <div><div></div><div>TELEPHONE OUTLET (1) RJ11</div></div> <div><div></div><div>VOICE/DATA OUTLET (1)RJ45 VOICE &amp; (1) RJ45 DATA</div></div> <div><div></div><div>SINGLE POLE SWITCH MOUNTED 4'-0".</div></div> <div><div></div><div>THREE WAY SWITCH MOUNTED 4'-0".</div></div> <div><div></div><div>FOUR WAY SWITCH MOUNTED 4'-0".</div></div> <div><div></div><div>MOTOR THERMAL SWITCH MOUNTED 4'-0".</div></div> <div><div></div><div>DIMMER SWITCH</div></div>

GENERAL ELECTRICAL NOTES:

- GENERAL CONDITIONS & SPECIFICATIONS: THE GENERAL CONDITIONS, AND SPECIFICATIONS ARE PART OF THIS WORK. IT IS THIS CONTRACTOR'S RESPONSIBILITY TO OBTAIN AND BE FAMILIAR WITH THESE CONDITIONS & SPECIFICATIONS.
- CODES AND ORDINANCES: INSTALLATION OF THE SYSTEMS SHALL CONFORM TO THE REQUIREMENTS OF THE NATIONAL FIRE PROTECTION ASSOCIATION, NATIONAL ELECTRIC CODE, AND ALL APPLICABLE FEDERAL, STATE, AND LOCAL LAWS AND ORDINANCES.
- REQUIREMENTS: OBTAIN AND PAY FOR ALL REQUIRED PERMITS, LICENSES AND CERTIFICATES.
- DESIGN: EQUIPMENT AND ACCESSORIES NOT SPECIFICALLY DESCRIBED OR IDENTIFIED BY MANUFACTURER'S CATALOG NUMBERS SHALL BE DESIGNED IN CONFORMITY WITH NEC, IEEE, UL OR OTHER APPLICABLE TECHNICAL STANDARDS, AND SHALL HAVE NEAT AND FINISHED APPEARANCE.
- INSTALLATION: ERECT EQUIPMENT IN NEAT AND WORKMANLIKE MANNER; INSTALL SO THAT CONNECTING AND DISCONNECTING OF EQUIPMENT AND ACCESSORIES CAN BE MADE READILY AND SO THAT ALL PARTS ARE EASILY ACCESSIBLE FOR INSPECTION, OPERATION, MAINTENANCE AND REPAIR. ALL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE MANUFACTURER AND THE BEST STANDARD PRACTICE FOR THIS TYPE OF WORK.
- BEST PRACTICE: IT IS NOT INTENDED THAT THE DRAWINGS SHALL SHOW EVERY FITTING, CONNECTION, OR APPLIANCE. THIS CONTRACTOR SHALL FURNISH ALL MATERIAL AND LABOR NECESSARY TO PROVIDE COMPLETE AND OPERATIONAL SYSTEMS IN ACCORDANCE WITH THE BEST PRACTICE OF THE TRADE.
- EQUIPMENT LOCATION: THE E.C. SHALL VERIFY THE LOCATIONS AND MOUNTING HEIGHTS OF ALL EQUIPMENT AND SWITCHES, AND THE EXACT ROUTING OF ALL CONDUIT AND WIRING, WITH THE OWNER'S REPRESENTATIVE IN THE FIELD, PRIOR TO COMMENCING ANY WORK. ANY CONFLICTS WITH LOCATIONS, OR PROBLEMS ENCOUNTERED WITH ROUTING, SHALL BE PROMPTLY BROUGHT TO THE ATTENTION OF THE ENGINEER FOR RESOLUTION.
- MATERIALS: ALL MATERIALS, FIXTURES AND EQUIPMENT SHALL BE NEW WITHOUT IMPERFECTIONS AND SHALL BE DELIVERED, ERECTED, CONNECTED AND FINISHED IN EVERY DETAIL. WHEREVER POSSIBLE, ALL TRIM, ACCESSORIES AND PARTS SHALL BE OF THE SAME MANUFACTURER AS THE RELATED EQUIPMENT AND FIXTURES.
- GENERAL COORDINATION: EXAMINE ALL DRAWINGS AND OTHER SECTIONS OF THE SPECIFICATIONS FOR REQUIREMENTS WHICH AFFECT THE WORK OF THIS SECTION. COORDINATE WORK WITH THAT OF OTHER TRADES AFFECTING, OR AFFECTED BY, WORK OF THIS SECTION. COOPERATE WITH OTHER TRADES TO ENSURE THE STEADY PROGRESS OF THE WORK.
- PROTECTION OF EQUIPMENT AND MATERIALS: RESPONSIBILITY FOR CARE AND PROTECTION OF ALL MATERIALS AND ELECTRICAL WORK RESTS WITH THIS CONTRACTOR AT ALL TIMES UNTIL IT HAS BEEN APPROVED.
- GUARANTEEE: ALL NEW COMPONENTS OF THE INSTALLATION SHALL BE GUARANTEED IN WRITING BY THIS CONTRACTOR TO BE FREE FROM DEFECTS OF MANUFACTURE AND INSTALLATION FOR A PERIOD OF ONE YEAR FROM THE DATE OF WRITTEN ACCEPTANCE BY THE ENGINEER. ANY DEFECTS FOUND SHALL BE REPAIRED BY THE ELECTRICAL CONTRACTOR AT THEIR OWN EXPENSE.
- NOTIFICATION: THE E.C. SHALL NOTIFY THE ENGINEER UPON: (1) COMPLETION OF ALL ROUGH WIRING WORK, BEFORE CLOSURE OF ANY TRENCHES, OPEN WALL CAVITIES OR CHASES. (2) UPON "SUBSTANTIAL COMPLETION" OF ALL SYSTEMS. AFTER "SUBSTANTIAL COMPLETION", THE ENGINEER WILL PREPARE A PUNCH LIST OF ITEMS TO BE CORRECTED. THE E.C. SHALL CORRECT ANY DEFICIENCIES FOUND PROMPTLY, AT HIS/HER OWN EXPENSE.
- FINAL COMPLETION: THE WORK SHALL NOT BE CONSIDERED COMPLETE UNTIL THE PUNCH LIST IS COMPLETED TO THE SATISFACTION OF THE ENGINEER AND ALL FINAL INSPECTIONS HAVE BEEN COMPLETED.

FIRE ALARM LEGEND			
	SYSTEM HEAT DETECTOR		FIRE ALARM CONTROL PANEL
	SYSTEM SMOKE DETECTOR		FIRE ALARM ANNUNCIATOR
	SYSTEM SMOKE DETECTOR ("H" DENOTES SOUNDER BASE/HORN)		BI-DIRECTIONAL AMPLIFIER
	SYSTEM SMOKE DETECTOR ("R" DENOTES ELEVATOR RECALL)		SPRINKLER SYSTEM ELECTRIC BELL
	SYSTEM SMOKE DETECTOR ("D" DENOTES DUCT SMOKE DETECTOR)		CONTROL MODULE
	SYSTEM BEAM-TYPE SMOKE DETECTOR, WALL MOUNTED ("BT" DENOTES TRANSMITTER, "BR" DENOTES REFLECTOR)		CONTROL RELAY
	INTERCONNECTED SMOKE ALARM (120V)		DOCUMENT STORAGE CABINET
	COMBINATION SMOKE/CARBON MONOXIDE ALARM (120V) ("S" DENOTES INTEGRAL STROBE)		EMERGENCY VOICE/COMMUNICATION SYSTEM CONTROL UNIT
	CARBON MONOXIDE ALARM		MAGNETIC DOOR HOLDER
	SYSTEM CARBON MONOXIDE DETECTOR		FIRE ALARM PULL STATION
	CEILING HORN/STROBE		FLOW SWITCH
	WEATHERPROOF FIRE ALARM BEACON		HIGH PRESSURE SWITCH
	STROBE FOR VISUAL NOTIFICATION OF CARBON MONOXIDE ALARM		ISOLATION MODULE
	STROBE FOR VISUAL NOTIFICATION OF SMOKE ALARM		KEY DEPOSITORY BOX
	FIRE ALARM AUDIO SPEAKER APPLIANCE (WALL MOUNTED)		LOW PRESSURE SWITCH
	FIRE ALARM AUDIO SPEAKER APPLIANCE (CEILING MOUNTED)		MASTER BOX
	COMBINATION SPEAKER & STROBE (# INDICATES CANDELLA RATING)		MONITORING MODULE (# INDICATES QUANTITY)
	LOW FREQUENCY SOUNDER (520Hz)		2 INPUT/2 OUTPUT MODULE
	STROBE VISUAL ALARM APPLIANCE (# INDICATES CANDELLA RATING)		NOTIFICATION APPLIANCE POWER SUPPLY
			REMOTE INDICATOR
			REMOTE TEST SWITCH.
			TAMPER SWITCH
			NOTIFICATION APPLIANCE CIRCUIT
			SIGNAL LINE CIRCUIT
			WEATHER PROOF

GENERAL FIRE ALARM NOTES:

- GENERAL CONDITIONS & SPECIFICATIONS: THE GENERAL CONDITIONS, AND SPECIFICATIONS ARE PART OF THIS WORK. IT IS THIS CONTRACTOR'S RESPONSIBILITY TO OBTAIN AND BE FAMILIAR WITH THESE CONDITIONS & SPECIFICATIONS.
- CODES AND ORDINANCES: INSTALLATION OF THE SYSTEMS SHALL CONFORM TO THE REQUIREMENTS OF THE NATIONAL FIRE PROTECTION ASSOCIATION, NATIONAL ELECTRIC CODE, AND ALL APPLICABLE FEDERAL, STATE, AND LOCAL LAWS AND ORDINANCES.
- REQUIREMENTS: OBTAIN AND PAY FOR ALL REQUIRED PERMITS, LICENSES AND CERTIFICATES.
- DESIGN: EQUIPMENT AND ACCESSORIES NOT SPECIFICALLY DESCRIBED OR IDENTIFIED BY MANUFACTURER'S CATALOG NUMBERS SHALL BE DESIGNED IN CONFORMITY WITH NEC, IEEE, UL OR OTHER APPLICABLE TECHNICAL STANDARDS, AND SHALL HAVE NEAT AND FINISHED APPEARANCE.
- INSTALLATION: ERECT EQUIPMENT IN NEAT AND WORKMANLIKE MANNER; INSTALL SO THAT CONNECTING AND DISCONNECTING OF EQUIPMENT AND ACCESSORIES CAN BE MADE READILY AND SO THAT ALL PARTS ARE EASILY ACCESSIBLE FOR INSPECTION, OPERATION, MAINTENANCE AND REPAIR. ALL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE MANUFACTURERS' INSTRUCTIONS & REQUIREMENTS AND THE BEST STANDARD PRACTICE FOR THIS TYPE OF WORK.
- BEST PRACTICE: IT IS NOT INTENDED THAT THE DRAWINGS SHALL SHOW EVERY FITTING, CONNECTION, OR APPLIANCE. THIS CONTRACTOR SHALL FURNISH ALL MATERIAL AND LABOR NECESSARY TO PROVIDE COMPLETE AND OPERATIONAL SYSTEMS IN ACCORDANCE WITH THE BEST PRACTICE OF THE TRADE.
- EQUIPMENT LOCATION: THE E.C. SHALL VERIFY THE LOCATIONS AND MOUNTING HEIGHTS OF ALL EQUIPMENT AND SWITCHES, AND THE EXACT ROUTING OF ALL CONDUIT AND WIRING, WITH THE OWNER'S REPRESENTATIVE IN THE FIELD, PRIOR TO COMMENCING ANY WORK. ANY CONFLICTS WITH LOCATIONS, OR PROBLEMS ENCOUNTERED WITH ROUTING, SHALL BE PROMPTLY BROUGHT TO THE ATTENTION OF THE ENGINEER FOR RESOLUTION.
- MATERIALS: ALL MATERIALS, FIXTURES AND EQUIPMENT SHALL BE NEW WITHOUT IMPERFECTIONS AND SHALL BE DELIVERED, ERECTED, CONNECTED AND FINISHED IN EVERY DETAIL. WHEREVER POSSIBLE, ALL TRIM, ACCESSORIES AND PARTS SHALL BE OF THE SAME MANUFACTURER AS THE RELATED EQUIPMENT AND FIXTURES.
- GENERAL COORDINATION: EXAMINE ALL DRAWINGS AND OTHER SECTIONS OF THE SPECIFICATIONS FOR REQUIREMENTS WHICH AFFECT THE WORK OF THIS SECTION. COORDINATE WORK WITH THAT OF OTHER TRADES AFFECTING, OR AFFECTED BY, WORK OF THIS SECTION. COOPERATE WITH OTHER TRADES TO ENSURE THE STEADY PROGRESS OF THE WORK.
- PROTECTION OF EQUIPMENT AND MATERIALS: RESPONSIBILITY FOR CARE AND PROTECTION OF ALL MATERIALS AND ELECTRICAL WORK RESTS WITH THIS CONTRACTOR AT ALL TIMES UNTIL IT HAS BEEN APPROVED.
- GUARANTEEE: ALL NEW COMPONENTS OF THE INSTALLATION SHALL BE GUARANTEED IN WRITING BY THIS CONTRACTOR TO BE FREE FROM DEFECTS OF MANUFACTURE AND INSTALLATION FOR A PERIOD OF ONE YEAR FROM THE DATE OF WRITTEN ACCEPTANCE BY THE ENGINEER. ANY DEFECTS FOUND SHALL BE REPAIRED BY THE ELECTRICAL CONTRACTOR AT THEIR OWN EXPENSE.
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- FINAL COMPLETION: THE WORK SHALL NOT BE CONSIDERED COMPLETE UNTIL THE PUNCH LIST IS COMPLETED TO THE SATISFACTION OF THE ENGINEER AND ALL FINAL INSPECTIONS HAVE BEEN COMPLETED.

EXISTING EQUIPMENT	
	BOLD SOLID DENOTES NEW EQUIPMENT UNLESS OTHERWISE NOTED OR INDICATED.
	LIGHT SOLID DENOTES EXISTING EQUIPMENT TO REMAIN UNLESS OTHERWISE NOTED OR INDICATED.
	BOLD DASHED DENOTES EXISTING EQUIPMENT TO REMOVE AND DISPOSE OF UNLESS OTHERWISE NOTED OR INDICATED.
(X)	EXISTING DEVICE TO BE REMOVED & DISPOSED AND CIRCUIT PULLED BACK TO NEXT ACTIVE OUTLET OR BACK TO PANEL. PROVIDE BLANK COVER PLATE ON EXISTING JUNCTION BOXES TO REMAIN WITHIN WALL.
(E)	EXISTING ITEM TO REMAIN (ETR).
(XN)	EXISTING ITEM TO BE REMOVED AND NEW ITEM AS SPECIFIED INSTALLED ON EXISTING OUTLET, RECONNECT TO EXISTING CIRCUIT.
(XE)	EXISTING ITEM TO BE REMOVED, OUTLET BLANKED, AND CIRCUIT EXTENDED TO NEW ITEM AS SHOWN.
(XR)	EXISTING ITEM TO BE REMOVED AND RELOCATED.
(XL)	NEW LOCATION OF EXISTING RELOCATED ITEM.
(XM)	EXISTING ITEM TO BE REMOVED, WIRING PROTECTED, AND ITEM REINSTALLED IN EXISTING LOCATION.
(N)	PROVIDE NEW FIXTURE/DEVICE AND NEW CIRCUIT. CONNECT TO NEXT ACTIVE OUTLET OR BACK TO PANEL AS INDICATED ON PLANS.



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OWNER  
UnionFon Universalist Urban Ministry  
10 Putnam Street  
Roxbury, MA 02119

EXISTING DOCUMENTATION  
Existing Conditions  
617-247-9161

ELECTRICAL  
D's Electric  
617-542-2000

STRUCTURAL ENGINEERING  
Structures North  
John Warthe  
(508) 801-6817

## FIRST CHURCH OF ROXBURY

10 Putnam St  
Roxbury, MA

DECEMBER 17, 2021

No.	Description	Date



## ELECTRICAL LEGEND, NOTES AND DETAILS

# E001

Scale As indicated



PANELBOARD PP1: 200A MLO, 30 SPACE - VERIFY IN FIELD						IR		SANCTUARY POWER PANEL (EXISTING)	
VOLTS		PH/WIRE		REMARKS					
120/208V		3/4		SURFACE MOUNT, BOLT ON BREAKERS (MATCH NEW CB SHORT CIRCUIT INTERRUPT RATINGS WITH PANEL)					
CIRC. NO.	KVA	DESCRIPTION		BREAKERS	POLES	REMARKS			
				AMPS					
1	1.00	CONFIRM SERVICE IN FIELD		20	1	EXISTING TO REMAIN			
2	1.00	CONFIRM SERVICE IN FIELD		20	1	EXISTING TO REMAIN			
3	1.00	CONFIRM SERVICE IN FIELD		20	1	EXISTING TO REMAIN			
4	1.00	CONFIRM SERVICE IN FIELD		20	1	EXISTING TO REMAIN			
5	1.00	CONFIRM SERVICE IN FIELD		20	1	EXISTING TO REMAIN			
6	1.00	CONFIRM SERVICE IN FIELD		20	1	EXISTING TO REMAIN			
7	1.00	CONFIRM SERVICE IN FIELD		20	1	EXISTING TO REMAIN			
8	1.00	CONFIRM SERVICE IN FIELD		20	1	EXISTING TO REMAIN			
9	1.00	CONFIRM SERVICE IN FIELD		20	1	EXISTING TO REMAIN			
10	1.00	CONFIRM SERVICE IN FIELD		20	1	EXISTING TO REMAIN			
11	1.00	CONFIRM SERVICE IN FIELD		20	1	EXISTING TO REMAIN			
12	1.00	CONFIRM SERVICE IN FIELD		20	1	EXISTING TO REMAIN			
13	0.18	RECEPTACLES - FIRE SUPPRESSION NITROGEN GENERATOR		20	1	NEW			
14	1.00	CONFIRM SERVICE IN FIELD		20	1	EXISTING TO REMAIN			
15	1.00	CONFIRM SERVICE IN FIELD		20	1	EXISTING TO REMAIN			
16	1.00	CONFIRM SERVICE IN FIELD		20	1	EXISTING TO REMAIN			
17	1.00	CONFIRM SERVICE IN FIELD		20	1	EXISTING TO REMAIN			
18	1.00	CONFIRM SERVICE IN FIELD		20	1	EXISTING TO REMAIN			
19	1.00	LIGHTING - COMMUNITY HALL GENERAL		20	1	NEW			
20	1.00	LIGHTING - OUTDOOR NORTH EGRESS		20	1	NEW			
21	1.26	RECEPTACLES - LEVEL 1 WINDOWS (NORTH)		20	1	NEW			
22	1.44	RECEPTACLES - LEVEL 1 WINDOWS (SOUTH)		20	1	NEW			
23	1.26	RECEPTACLES - LEVEL 2 WINDOWS (NORTH)		20	1	NEW			
24	1.44	RECEPTACLES - LEVEL 2 WINDOWS (SOUTH)		20	1	NEW			
25	0.36	RECEPTACLES - ORGAN BLOWER ROOM		20	1	NEW			
26	1.00	LIGHTING - STAGE LIGHTING		20	1	NEW			
27	0.72	RECEPTACLES - STAGE FLOOR BOX		20	1	NEW			
28	1.00	AUTOMATIC DOOR OPENERS		20	1	NEW, SHUNT STRIP CONNECTED TO FACP			
29	-	SPACE		-	1				
30	-	SPACE		-	1				
TOTAL KVA		27.66				30			

LIGHTING CONTROLS SCHEDULE			
(BASED ON ILC)			
<div>EM1</div>	EM1 LVS MODEL: EPC-2-D EMERGENCY POWER CONTROL, UL924, DIMMABLE	<div>PP1</div>	PP1 ILC-SWX-900-AX POWER PACK RELAY
<div>EM2</div>	EM2 LVS MODEL: RRU-X-UNV SERIES SHUNT TRIP RELAY, UL924, DIMMING AND LINE VOLTAGE BYPASS	<div>DP1</div>	DP1 ILC-SWX-900-AX-D2 POWER PACK RELAY, DIMMING, PARTIAL OFF, STEPPED DIMMING
<div>EM3</div>	EM3 LVS MODEL: RRU-X-UNV SERIES SHUNT TRIP RELAY, UL924, LINE VOLTAGE BYPASS	<div>OC</div>	OC ILC-SWX-221-1 LOW VOLTAGE, CEILING OCCUPANCY SENSOR
<div>S01</div>	S01 ILC-SWX-121-D-WH LINE VOLTAGE, WALL SWITCH, OCCUPANCY SENSOR, DUAL TECH, 0-10V DIMMING		
<div>S02</div>	S02 ILC-SWX-121-1-D-WH LOW VOLTAGE, WALL SWITCH, OCCUPANCY SENSOR, DUAL TECH, 0-10V DIMMING		
<div>S03</div>	S03 ILC-SWX-121 LINE VOLTAGE, WALL SWITCH, OCCUPANCY SENSOR, DUAL TECH		

PROVIDE SHOP DRAWING SUBMITTAL FOR REVIEW. INCLUDE ALL CABLES BETWEEN DEVICES, CLASS 2 WIRING, & POWER WIRING.

LIGHTING FIXTURE SCHEDULE												[1][2][3]
DWG ID	DESCRIPTION	MANUFACTURER	MODEL NO.	MOUNTING	VOLTAGE	LAMP WATTS	LUMENS	LUMENS/WATT	COLOR TEMPERATURE	FIXTURE COLOR	NOTES	
A	REFURBISHED LIGHT FIXTURES	NA	NA	SURFACE SIDEWALL	120	TBD	TBD	####	3000K	TBD	PROVIDE DIMMABLE LED BULB TYPE A19 BASE FOR EACH RECEPTACLE ON FIXTURE (TYP-#)	
L1	ROUND SURFACE DOWNLIGHT	STONE LIGHTING	CL480-OP-WH-LED	SURFACE DOWNLIGHT	120	10	550	55.0	3000K	WHITE	5" DIAMETER, 90 CRI, 0-10V DIMMING, WET LOCATION LISTED	
L2	EXTERIOR EMERGENCY WALL SCONCE	CLARTE LIGHTING	SMR1 601 0-10V 2 ISW XRLED PAR8 ADJ	SURFACE CEILING	120	15	900	60.0	3000K	WHITE	1"ø MONO POINT SPOTLIGHT 0-10V DIMMING WITH TRIMLESS REMOTE DRIVER FOR (2) FIXTURES, WHITE SNOOT, ADJUSTABLE MOUNTING. COORDINATE FIXTURE OPTICS WITH ARCHITECT	
L3	PENDANT LIGHTING	BOCK LIGHTING TENDA	FIXTURE - A30113905209 LIGHT - LVGV1-1500LM-30K DRIVER - BDC6C1A-10FT	CEILING PENDANT	120	12	1500	125.0	3000K	SATIN WHITE	90 CRI, 0-10V DIMMING, WITH INTEGRAL LED LAMP, SMALL CEILING DRIVER, 10FT CORD WITH AIRCRAFT CABLE	
L4	CEILING MOUNTED SPOTLIGHT	CLARTE LIGHTING	SMR1 204 ADJ 0-10V 68W XLED -PAR38 WHT WHTS ADJ	SURFACE CEILING	120	68	5000	73.5	3000K	WHITE	4" MONO POINT SPOTLIGHT, 0-10V DIMMING, WHITE SNOOT, ADJUSTABLE MOUNTING	
L5	DECORATIVE WALL SCONCE	BOCK LIGHTING SEKYO	A20113365190 LAC01-13W-3000K	SURFACE WALL	120	13	1000	76.9	3000K	SATIN WHITE	11.8" SQUARE, WHITE WALL SCONCE, 0-10V DIMMING, DRY LOCATION	

[1] PROVIDE ENERGY STAR MODEL RATED FIXTURES IF AVAILABLE

[2] PROVIDE LED FIXTURES UNLESS NOTED OTHERWISE. IF COMPACT FLUORESCENT FIXTURES ARE SELECTED/APPROVED FOR USE, PROVIDE ELECTRONIC BALLAST INSTANT START, FLICKER-FREE TYPE WHERE APPLICABLE.



[3] SEE PLANS AND NOTES FOR FIXTURE QUANTITIES, ALL ITEMS MAY NOT BE SHOWN.

EMERGENCY EGRESS & LIGHTING FIXTURE SCHEDULE												[1][2][3]
DWG ID	DESCRIPTION	MANUFACTURER	MODEL NO.	MOUNTING	VOLTAGE	LAMP WATTS	LUMENS	LUMENS/WATT	COLOR TEMPERATURE	FIXTURE COLOR	NOTES	
EML1	INTERIOR EM FIXTURE	PHILIPS	CM-20050-VU6LSD	UNIVERSAL	120	2.8	NA	NA	NA	WHITE	LED FIXTURE WITH INTEGRAL BATTERY, PHOTOCELL TEST SWITCH, SELF-TESTING/SELF-DIAGNOSTICS OPTION	
X1	EMERGENCY EGRESS SIGN - INDOOR	SURE-LITES	EUS-70-G	UNIVERSAL	120/277	NA	NA	NA	NA	ALUMINUM	EDGE-LIT GREEN LED FIXTURE WITH INTEGRAL BATTERY, SELF DIAGNOSTICS	
X2	EMERGENCY EGRESS SIGN - DAMP RATED	SURE-LITES	SLX7-W-SD	UNIVERSAL	120/277	NA	NA	NA	NA	ALUMINUM	DAMP LOCATION RATED, GREEN LED FIXTURE WITH INTEGRAL BATTERY, SELF DIAGNOSTICS	

[1] PROVIDE LED FIXTURES UNLESS NOTED OTHERWISE.

[2] SEE PLANS AND NOTES FOR FIXTURE QUANTITIES.

[3] PROVIDE EMERGENCY INVERTER-TYPE BATTERY PACK WHERE INDICATED ON PLANS.

ELECTRIC EQUIPMENT SCHEDULE						 REQUIRES ELECTRICAL	 DOES NOT REQUIRE ELECTRICAL	[1]
DWG ID	EQUIPMENT	MANUFACTURER	MODEL NUMBER	ELECTRICAL DATA	PERFORMANCE/REMARKS			
INV1	EMERGENCY LIGHTING POWER SUPPLY INVERTER	LVS	CEPS A 2000W	120/1/60 2000W	BATTERY INVERTER SUPPORTS 2000W LOAD FOR 90 MINS PER UL 924, SEALED LEAD CALCIUM BATTERIES, INVERTER, AND TEST CONTROLS WITHIN ENCLOSURE			
INV2	EMERGENCY LIGHTING POWER SUPPLY INVERTER	LVS	CEPS A 2000W	120/1/60 2000W	BATTERY INVERTER SUPPORTS 2000W LOAD FOR 90 MINS PER UL 924, SEALED LEAD CALCIUM BATTERIES, INVERTER, AND TEST CONTROLS WITHIN ENCLOSURE			

[1] COORDINATE ALL ELECTRICAL CHARACTERISTICS W/ EC BEFORE ORDERING EQUIPMENT.

No.	Description	Date
1	FA & A/V Coordination	7/6/22





## FIRST CHURCH OF ROXBURY

10 Putnam St  
Roxbury, MA

FEBRUARY 18, 2022

No.	Description	Date
1	FA & A/V Coordination	7/6/22



### LEVEL 1 ELECTRICAL PLAN

# E101

Scale As indicated

#### ELECTRICAL DEMOLITION NOTES:

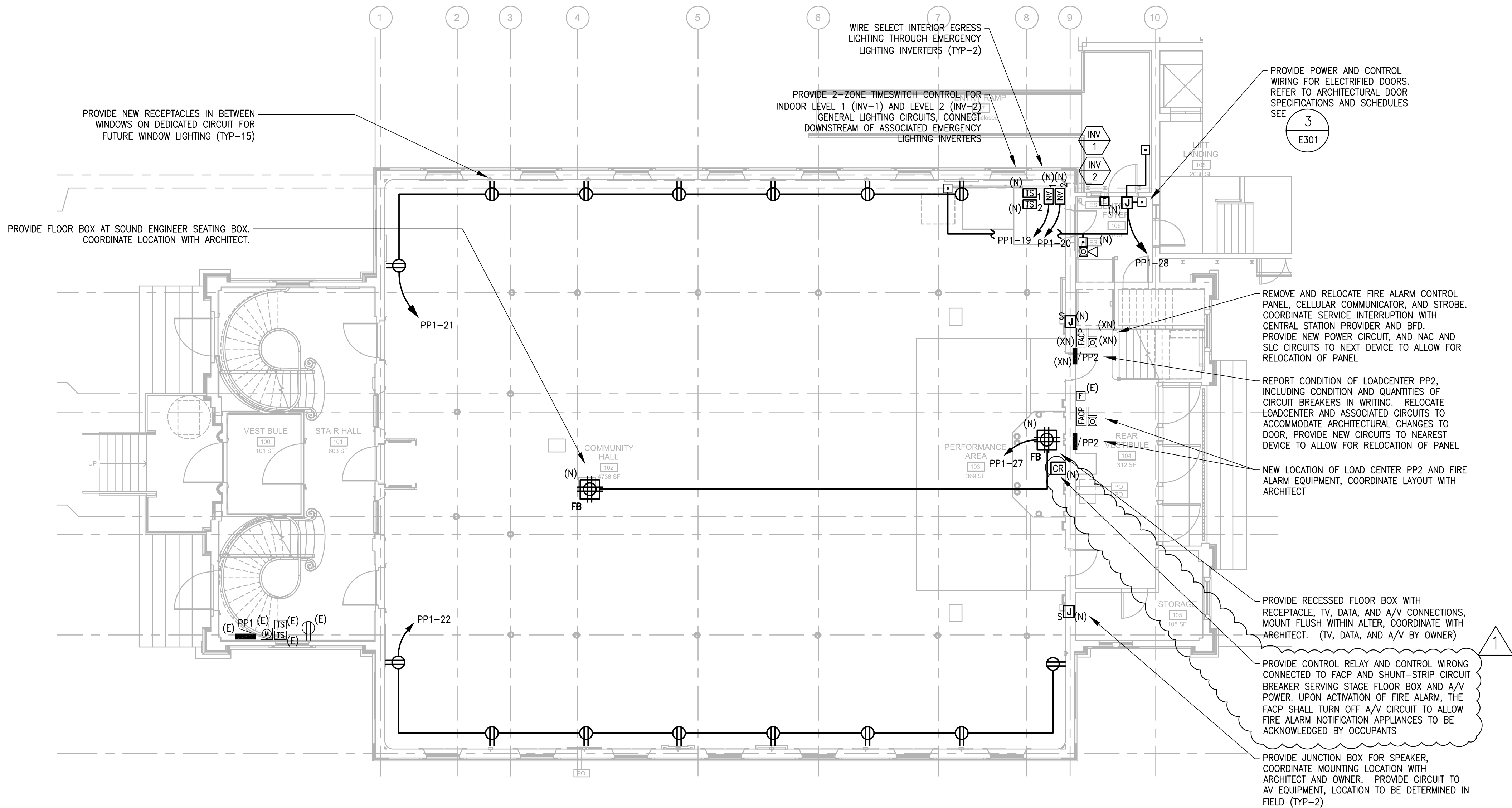
- SEE SPECIFICATIONS AND DETAILS FOR FURTHER REQUIREMENTS.
- ALL DIMENSIONS AND LOCATIONS ARE APPROXIMATE. CONTRACTOR TO INSPECT AND VERIFY ALL INFORMATION IN FIELD AND INFORM THE ENGINEERS OF ANY DISCREPANCIES IN WRITING IMMEDIATELY.
- EC TO CUT, CAP AND MAKE SAFE ALL ELECTRICAL CONDUIT & WIRING NECESSARY FOR REMOVAL BY GENERAL CONTRACTOR. REMOVE UNUSED WIRING BACK TO PANEL.
- ALL LOW VOLTAGE WIRING (TV, TEL/DATA, ETC), JUNCTION BOXES, CONDUITS ARE THE EXCLUSIVE RESPONSIBILITY OF THE TOWN OF ARLINGTON. NO REMOVAL OR MODIFICATION OF THESE SYSTEMS BY EC, GC, OR DEMOLITION CONTRACTOR. ANY DEVICES SHOWN OR INDICATED ARE FOR REFERENCE ONLY. CONTACT TOWN OF ARLINGTON AND THEIR IT REPRESENTATIVE FOR DEMOLITION COORDINATION OF THESE SYSTEMS.
- IT IS NOT THE INTENT OF THESE DRAWINGS TO SHOW ALL EQUIPMENT TO BE DISCONNECTED AND REMOVED. THE CONTRACTOR IS RESPONSIBLE FOR VISITING THE SITE TO DETERMINE EXACT QUANTITIES AND LOCATIONS PRIOR TO BIDDING.

#### DEMOLITION LEGEND

- DEMOLISH & DISPOSE  
——— EXISTING TO REMAIN

#### ELECTRICAL NOTES:

- THE ELECTRICAL CONTRACTOR SHALL FOLLOW ALL APPLICABLE NEC, STATE, LOCAL, AND FEDERAL CODES RELATING TO THE WORK.
- ELECTRICAL CONTRACTOR SHALL PAY FOR AND SECURE ALL PERMITS FOR HIS WORK.
- INSTALL ALL ELECTRICAL EQUIPMENT AND MATERIALS FOR COMPLETE AND OPERABLE SYSTEMS.
- WIRING METHODS SHALL BE TYPE MC OR EMT.
- ALL CONDUCTORS SHALL BE COPPER WITH TYPE "THHN/THWN" INSULATION. THE MINIMUM CONDUCTOR SIZE FOR BRANCH CIRCUITS SHALL BE NO. 12 AWG.
- GC TO PROVIDE ALL FIRESTOPPING AND ACOUSTICAL SEALANT REQUIRED. EC TO PROVIDE GC WITH MARKED UP PLANS SHOWING PENETRATIONS.
- ALL MATERIAL SHALL BE NEW AND BEAR THE U.L. LABEL AND SHALL BE INSTALLED IN THE MANNER FOR WHICH THEY WERE DESIGNED AND APPROVED.
- E.C. SHALL PROVIDE SUBMITTALS FOR ALL ELECTRICAL EQUIPMENT DEVICES, LIGHTING AND SPECIALTY SYSTEMS.
- GROUND ALL EQUIPMENT PER NATIONAL ELECTRIC CODE.
- ALL ELECTRICAL EQUIPMENT SHALL HAVE ENGRAVED PLASTIC NAMEPLATES. ALL PANEL BOARDS' CIRCUIT DIRECTORIES SHALL BE TYPED.
- THE CONDUIT/WIRE SIZES AND WIRING DIAGRAM REPRESENTS A SUGGESTED DESIGN BASED UPON STANDARD ELECTRICAL EQUIPMENT. MODIFICATIONS ACCEPTABLE TO THE ENGINEER MAY BE MADE BY THE CONTRACTOR TO ACCOMMODATE ACTUALLY INSTALLED EQUIPMENT. THE BASIC SEQUENCE AND METHOD OF CONTROL MUST BE MAINTAINED AS INDICATED ON THE DRAWINGS AND SPECIFICATIONS. THE CONTRACTOR SHALL COORDINATE ALL EQUIPMENT WIRING REQUIREMENTS, PRIOR TO CONSTRUCTION.
- COORDINATE EXACT EQUIPMENT LOCATIONS AND POWER REQUIREMENTS WITH OWNER AND ARCHITECT PRIOR TO ROUGH-INS.
- PROVIDE MULTI-GANG JUNCTION BOXES TO GROUP DEVICES, UNLESS NOTED OTHERWISE.



1 LEVEL 1 ELECTRICAL PLAN  
E101 SCALE: 1/8" = 1'-0"



**OWNER**  
Unitarian Universalist Urban Ministry  
10 Putnam Street  
Roxbury, MA 02119

**EXISTING DOCUMENTATION**  
Existing Conditions  
617-247-9161

**ELECTRICAL**  
D's Electric  
617-542-2000

**STRUCTURAL ENGINEERING**  
Structures North  
John Wathne  
(508) 801-6817

## FIRST CHURCH OF ROXBURY

10 Putnam St  
Roxbury, MA

DECEMBER 17, 2021

No.	Description	Date



### LEVEL 2 ELECTRICAL PLAN

# E102

Scale As indicated

#### ELECTRICAL DEMOLITION NOTES:

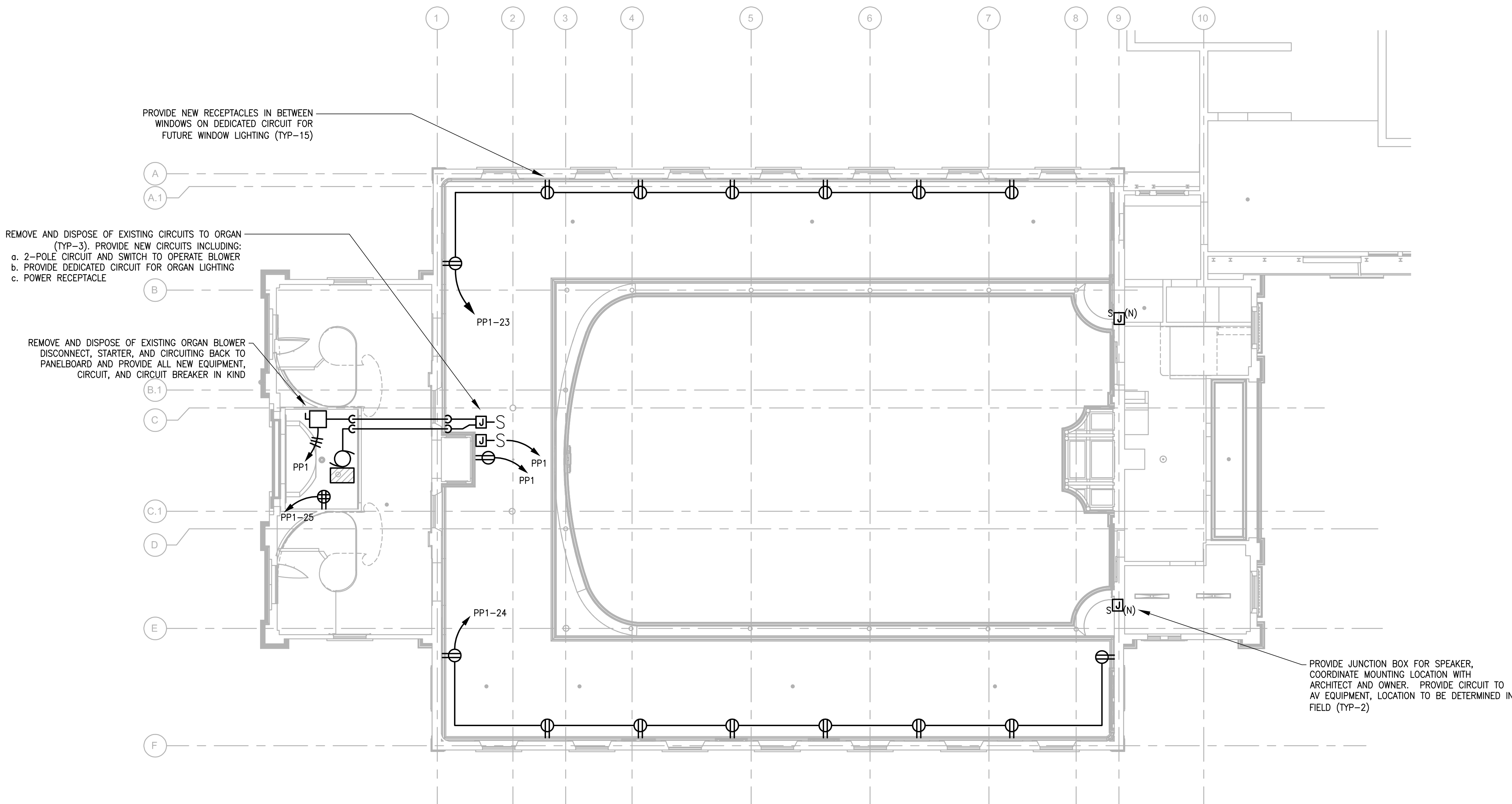
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- DEMOLISH & DISPOSE  
\_\_\_\_\_ EXISTING TO REMAIN

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- PROVIDE MULTI-GANG JUNCTION BOXES TO GROUP DEVICES, UNLESS NOTED OTHERWISE.



1 COMMUNITY HALL LEVEL 2 ELECTRICAL PLAN  
E102 SCALE: 1/8" = 1'-0"



**OWNER**  
Unionfan Universalist Urban Ministry  
10 Putnam Street  
Roxbury, MA 02119

**EXISTING DOCUMENTATION**  
Existing Conditions  
617-247-9161

**ELECTRICAL**  
D's Electric  
617-542-2000

**STRUCTURAL ENGINEERING**  
Structures North  
John Wathne  
(508) 801-6817

ELECTRICAL DEMOLITION NOTES:

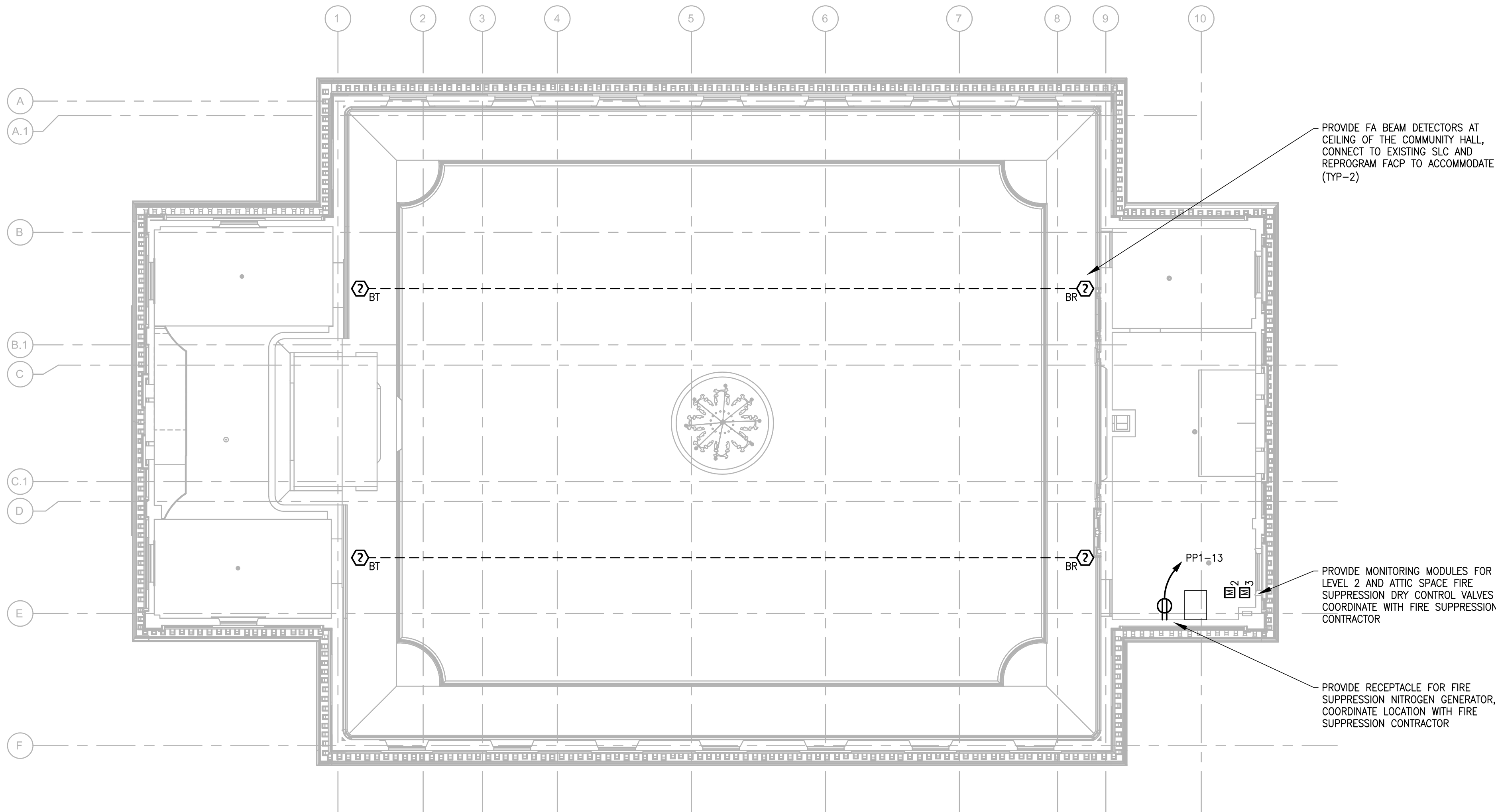
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DEMOLITION LEGEND

- DEMOLISH & DISPOSE  
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1 ATTIC ELECTRICAL PLAN  
E103 SCALE: 1/8" = 1'-0"

FIRST CHURCH  
OF ROXBURY

10 Putnam St  
Roxbury, MA

DECEMBER 17, 2021

No.	Description	Date



ATTIC ELECTRICAL  
PLAN

E103

Scale As indicated



**OWNER**  
Unitarian Universalist Urban Ministry  
10 Putnam Street  
Roxbury, MA 02119

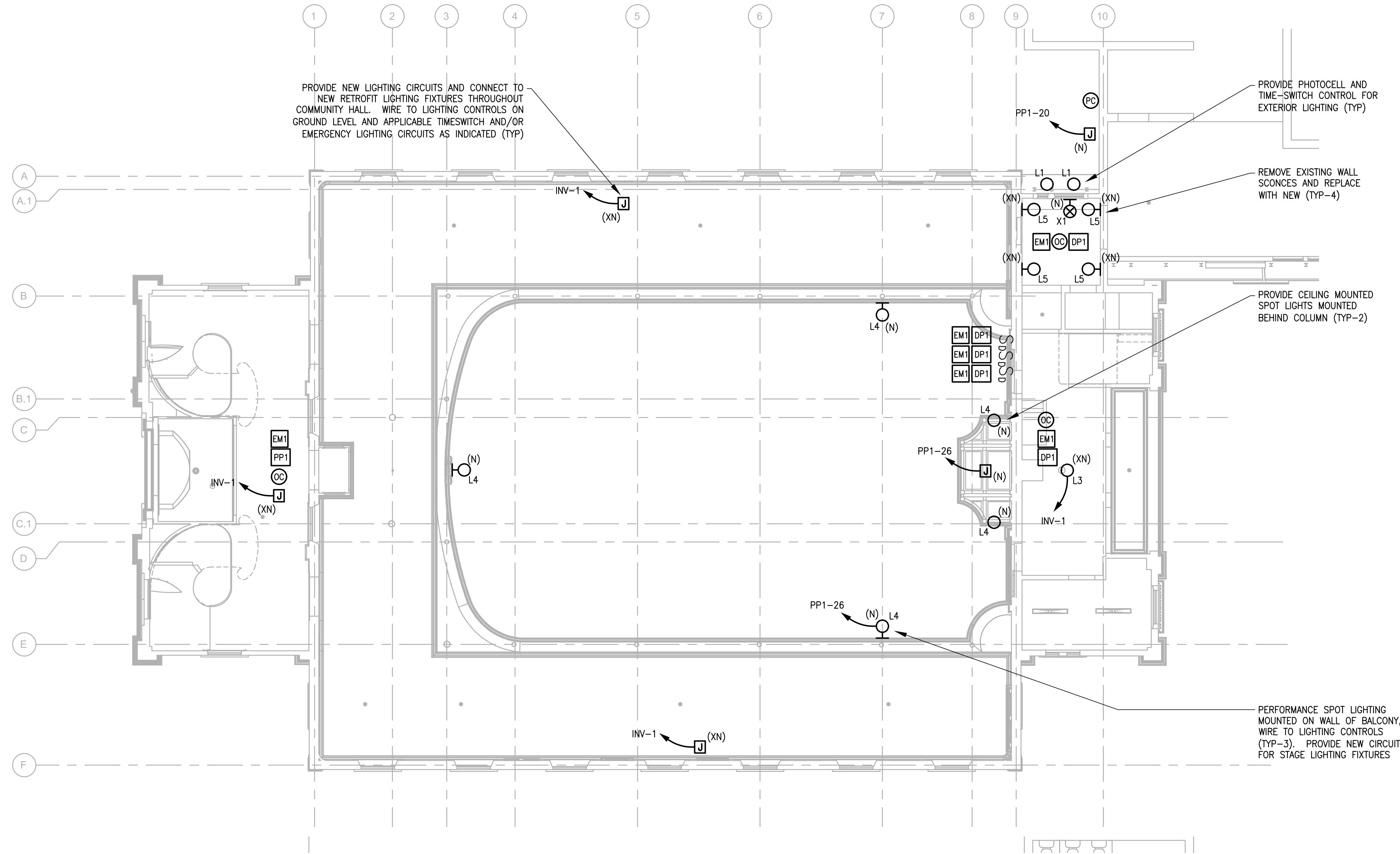
**EXISTING DOCUMENTATION**  
Existing Conditions  
617-247-9161

**ELECTRICAL**  
D's Electric  
617-542-2000

**STRUCTURAL ENGINEERING**  
Structures North  
John Wothne  
(508) 801-6817

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1 COMMUNITY HALL ELECTRICAL REFLECTED CEILING PLAN  
E201 SCALE: 1/8" = 1'-0"

FIRST CHURCH  
OF ROXBURY

10 Putnam St  
Roxbury, MA

DECEMBER 17, 2021

No.	Description	Date



COMMUNITY HALL  
ELEC. REFLECTED  
CEILING PLAN

E201

Scale As indicated



**OWNER**  
Unitarian Universalist Urban Ministry  
10 Putnam Street  
Roxbury, MA 02119

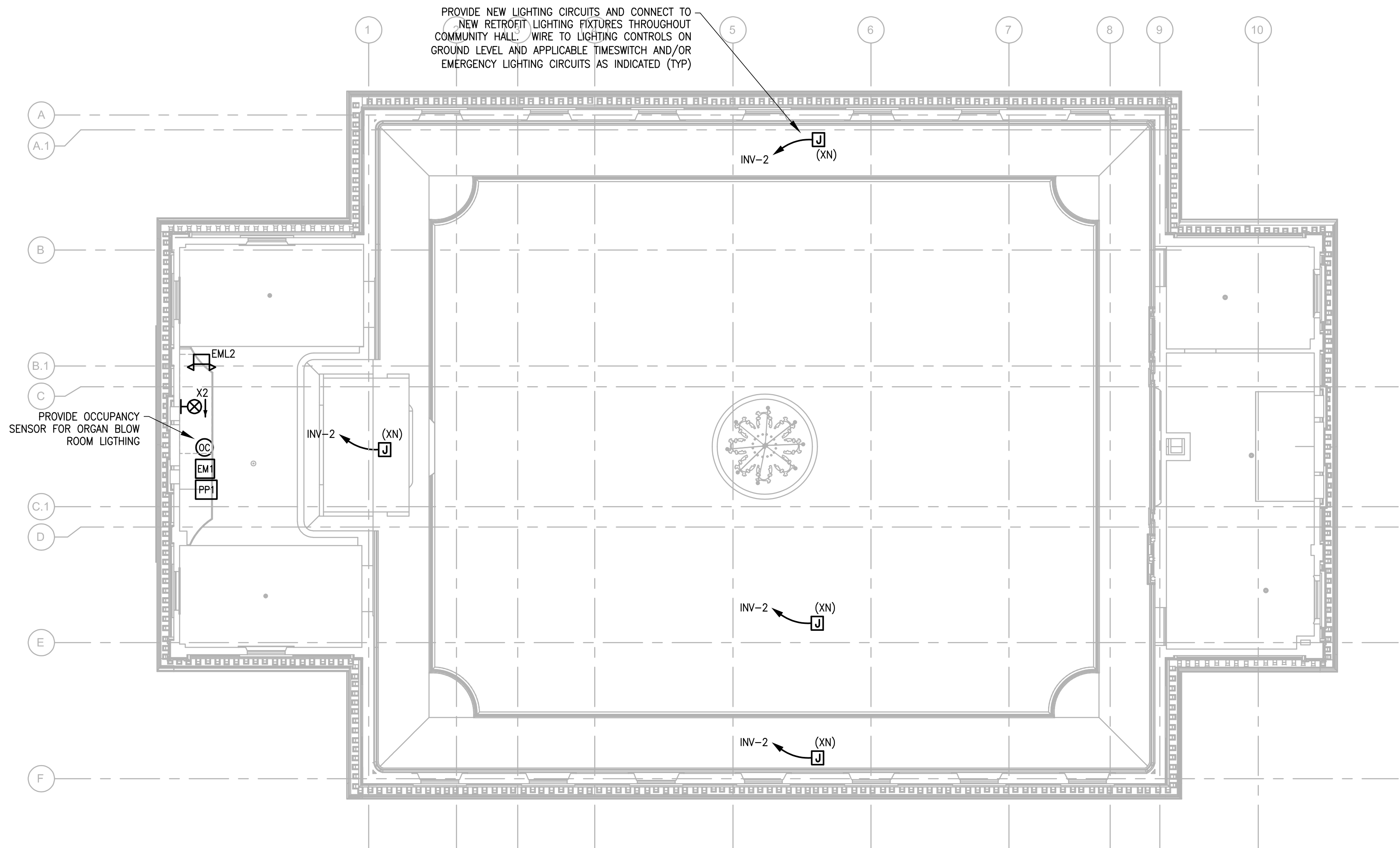
**EXISTING DOCUMENTATION**  
Existing Conditions  
617-247-9161

**ELECTRICAL**  
D's Electric  
617-542-2000

**STRUCTURAL ENGINEERING**  
Structures North  
John Wothne  
(508) 801-6817

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9. GROUND ALL EQUIPMENT PER NATIONAL ELECTRIC CODE.
10. ALL ELECTRICAL EQUIPMENT SHALL HAVE ENGRAVED PLASTIC NAMEPLATES. ALL PANEL BOARDS' CIRCUIT DIRECTORIES SHALL BE TYPED.
11. THE CONDUIT/WIRE SIZES AND WIRING DIAGRAM REPRESENTS A SUGGESTED DESIGN BASED UPON STANDARD ELECTRICAL EQUIPMENT. MODIFICATIONS ACCEPTABLE TO THE ENGINEER MAY BE MADE BY THE CONTRACTOR TO ACCOMMODATE ACTUALLY INSTALLED EQUIPMENT. THE BASIC SEQUENCE AND METHOD OF CONTROL MUST BE MAINTAINED AS INDICATED ON THE DRAWINGS AND SPECIFICATIONS. THE CONTRACTOR SHALL COORDINATE ALL EQUIPMENT WIRING REQUIREMENTS, PRIOR TO CONSTRUCTION.
12. COORDINATE EXACT EQUIPMENT LOCATIONS AND POWER REQUIREMENTS WITH OWNER AND ARCHITECT PRIOR TO ROUGH-INS.
13. PROVIDE MULTI-GANG JUNCTION BOXES TO GROUP DEVICES, UNLESS NOTED OTHERWISE.



1 COMMUNITY HALL LEVEL 2 ELECTRICAL REFLECTED CEILING PLAN  
E202 SCALE: 1/8" = 1'-0"

FIRST CHURCH  
OF ROXBURY

10 Putnam St  
Roxbury, MA

DECEMBER 17, 2021

No.	Description	Date



LEVEL 2 ELECTRICAL  
REFLECTED CEILING  
PLAN

E202

Scale As indicated



**OWNER**  
Unitarian Universalist Urban Ministry  
10 Putnam Street  
Roxbury, MA 02119

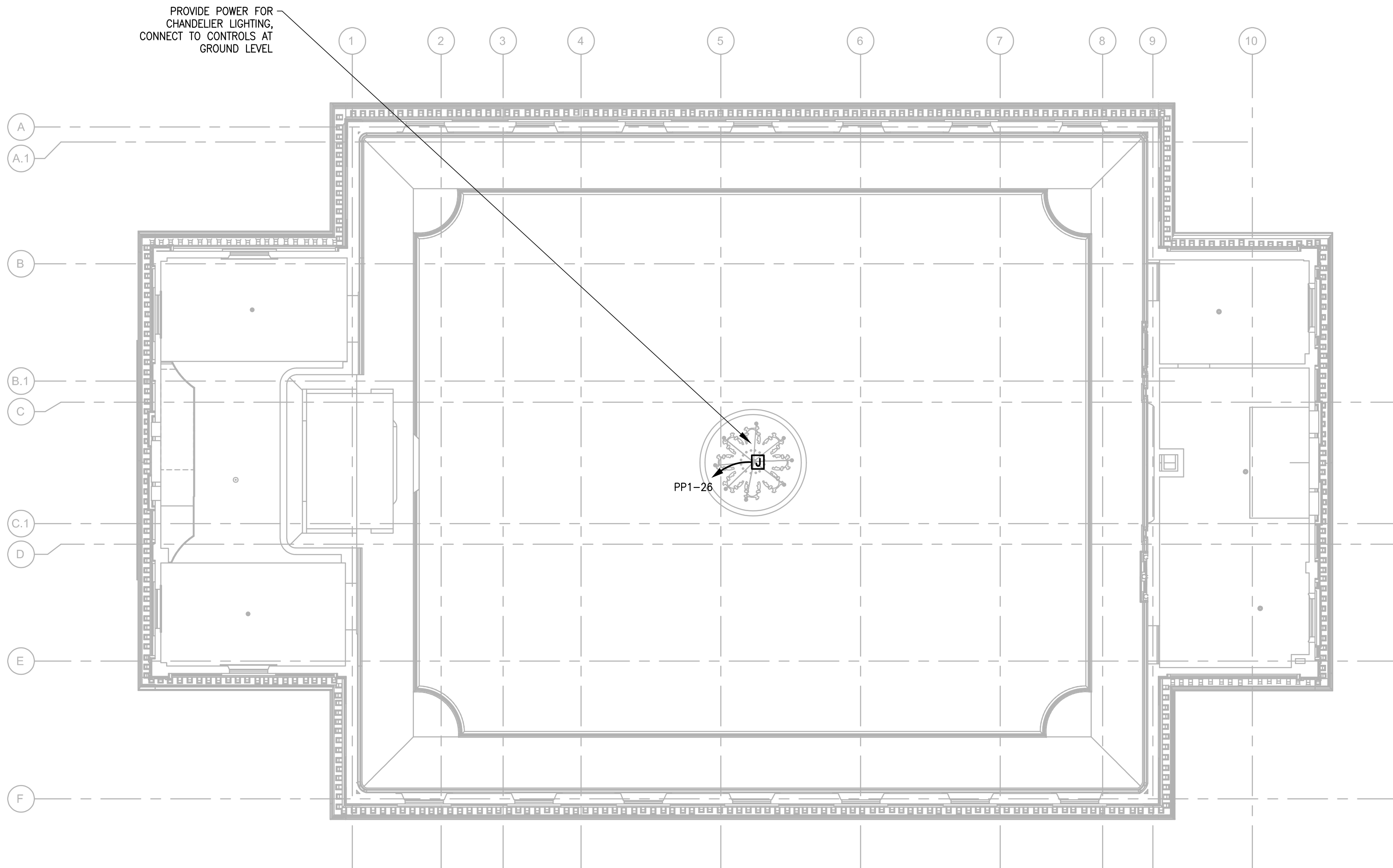
**EXISTING DOCUMENTATION**  
Existing Conditions  
617-247-9161

**ELECTRICAL**  
D's Electric  
617-542-2000

**STRUCTURAL ENGINEERING**  
Structures North  
John Wothne  
(508) 801-6817

ELECTRICAL NOTES:

1. THE ELECTRICAL CONTRACTOR SHALL FOLLOW ALL APPLICABLE NEC, STATE, LOCAL, AND FEDERAL CODES RELATING TO THE WORK.
2. ELECTRICAL CONTRACTOR SHALL PAY FOR AND SECURE ALL PERMITS FOR HIS WORK.
3. INSTALL ALL ELECTRICAL EQUIPMENT AND MATERIALS FOR COMPLETE AND OPERABLE SYSTEMS.
4. WIRING METHODS SHALL BE TYPE MC OR EMT.
5. ALL CONDUCTORS SHALL BE COPPER WITH TYPE "THHN/THWN" INSULATION. THE MINIMUM CONDUCTOR SIZE FOR BRANCH CIRCUITS SHALL BE NO. 12 AWG.
6. GC TO PROVIDE ALL FIRESTOPPING AND ACOUSTICAL SEALANT REQUIRED. EC TO PROVIDE GC WITH MARKED UP PLANS SHOWING PENETRATIONS.
7. ALL MATERIAL SHALL BE NEW AND BEAR THE U.L. LABEL AND SHALL BE INSTALLED IN THE MANNER FOR WHICH THEY WERE DESIGNED AND APPROVED.
8. E.C. SHALL PROVIDE SUBMITTALS FOR ALL ELECTRICAL EQUIPMENT DEVICES, LIGHTING AND SPECIALTY SYSTEMS.
9. GROUND ALL EQUIPMENT PER NATIONAL ELECTRIC CODE.
10. ALL ELECTRICAL EQUIPMENT SHALL HAVE ENGRAVED PLASTIC NAMEPLATES. ALL PANEL BOARDS' CIRCUIT DIRECTORIES SHALL BE TYPED.
11. THE CONDUIT/WIRE SIZES AND WIRING DIAGRAM REPRESENTS A SUGGESTED DESIGN BASED UPON STANDARD ELECTRICAL EQUIPMENT. MODIFICATIONS ACCEPTABLE TO THE ENGINEER MAY BE MADE BY THE CONTRACTOR TO ACCOMMODATE ACTUALLY INSTALLED EQUIPMENT. THE BASIC SEQUENCE AND METHOD OF CONTROL MUST BE MAINTAINED AS INDICATED ON THE DRAWINGS AND SPECIFICATIONS. THE CONTRACTOR SHALL COORDINATE ALL EQUIPMENT WIRING REQUIREMENTS, PRIOR TO CONSTRUCTION.
12. COORDINATE EXACT EQUIPMENT LOCATIONS AND POWER REQUIREMENTS WITH OWNER AND ARCHITECT PRIOR TO ROUGH-INS.
13. PROVIDE MULTI-GANG JUNCTION BOXES TO GROUP DEVICES, UNLESS NOTED OTHERWISE.



1 ATTIC ELECTRICAL REFLECTED CEILING PLAN  
E203 SCALE: 1/8" = 1'-0"

FIRST CHURCH  
OF ROXBURY

10 Putnam St  
Roxbury, MA

DECEMBER 17, 2021

No.	Description	Date

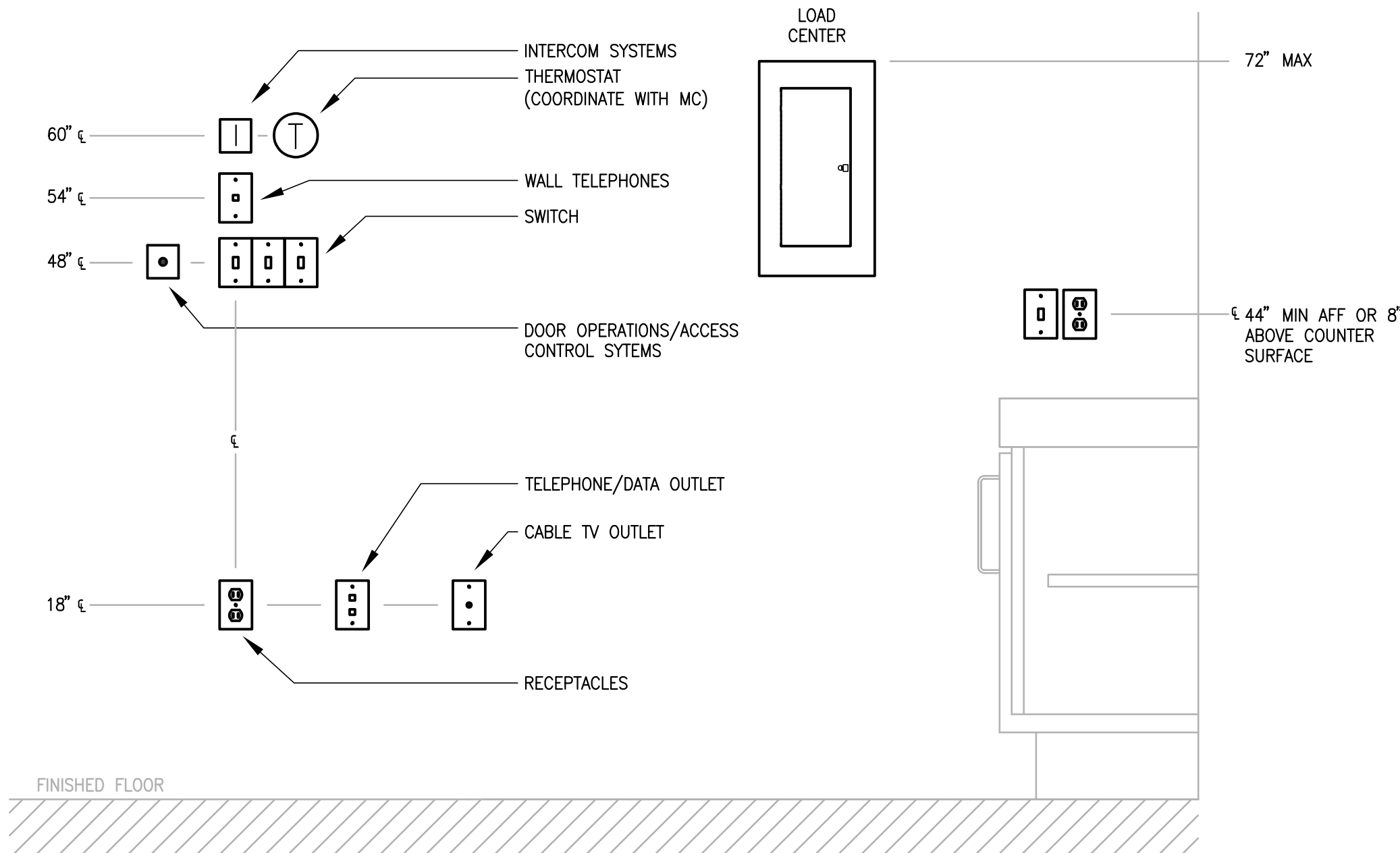


ATTIC ELECTRICAL  
REFLECTED CEILING  
PLAN

E203

Scale As indicated

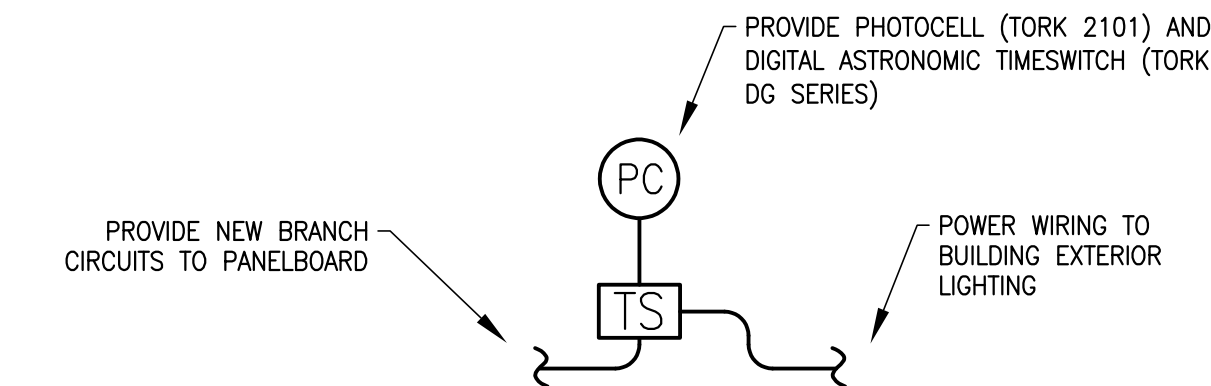




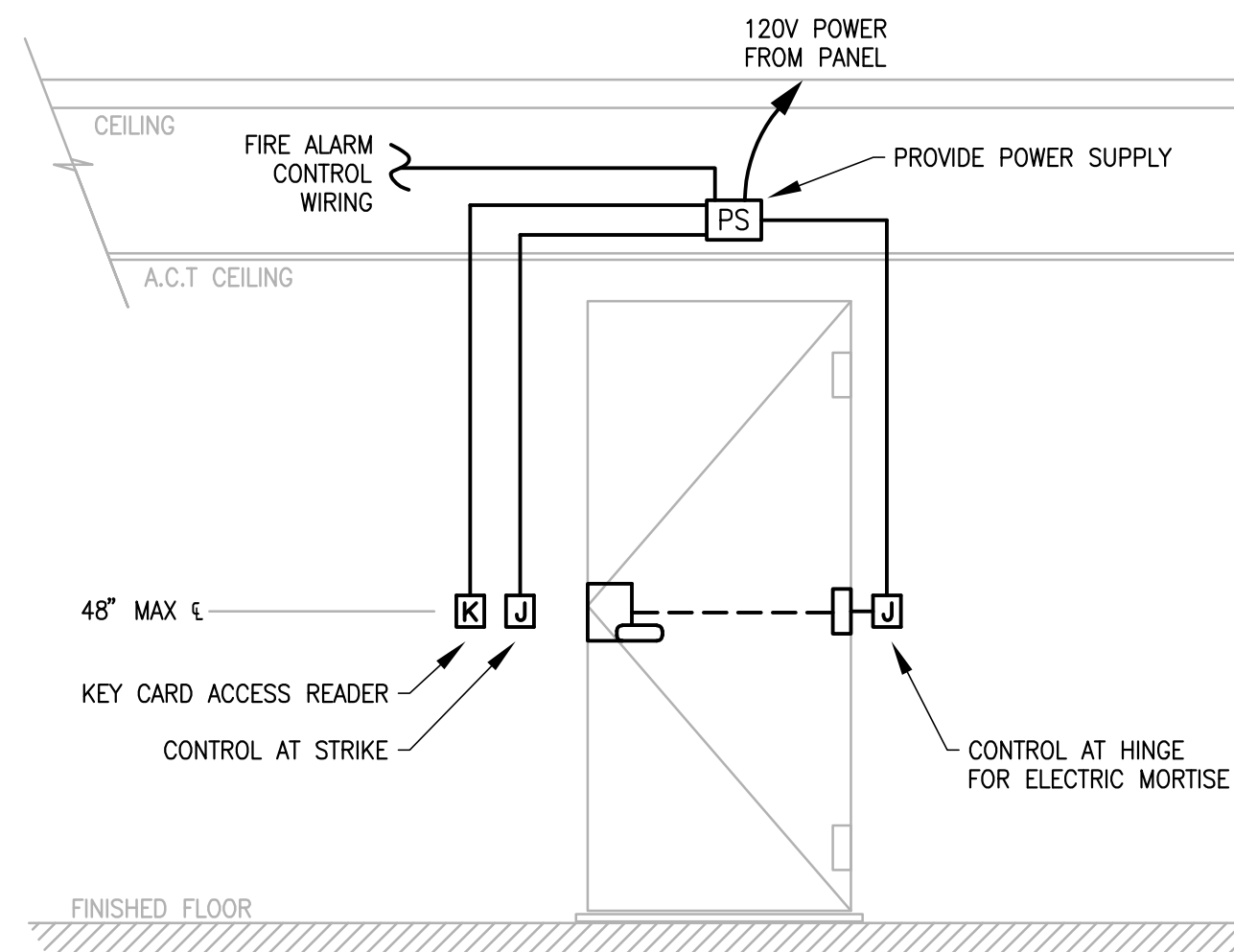
NOTES:

1. ALL MOUNTING HEIGHTS SHALL BE MEASURED FROM FINISHED FLOOR.
2. DEVICES SHALL BE INSTALLED ON A COMMON VERTICAL CENTERLINE WHEREVER POSSIBLE.
3. ALL DEVICES SHALL BE INSTALLED AT MOUNTING HEIGHTS AS INDICATED ON THIS DETAIL UNLESS OTHERWISE NOTED. SEE ARCHITECTURAL ELEVATIONS, WHEN AVAILABLE, FOR FURTHER MOUNTING REQUIREMENTS.
4. ALL DEVICES SHALL BE LOCATED A MINIMUM OF 18" FROM AN INTERIOR CORNER.

1 TYPICAL ELECTRICAL DEVICE MOUNTING HEIGHTS  
E301 SCALE: NOT TO SCALE



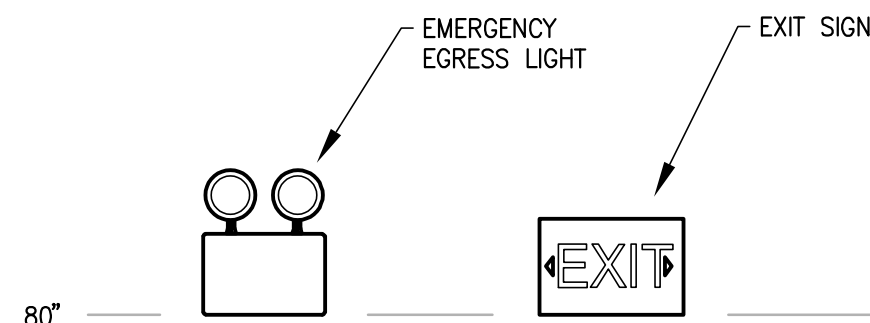
2 BUILDING EXTERIOR LIGHTING CONTROL  
E301 SCALE: NTS



NOTES:

1. COORDINATE MOUNTING HEIGHTS AND LOCATIONS WITH ARCHITECT.
2. HARDWARE AS SPECIFIED BY ARCHITECT. COORDINATE INSTALLATION WITH SELECTED HARDWARE AND MANUFACTURER INSTRUCTIONS.
3. PROVIDE CONTROL WIRING FROM FIRE ALARM CONTROL RELAY FOR DOOR RELEASE.

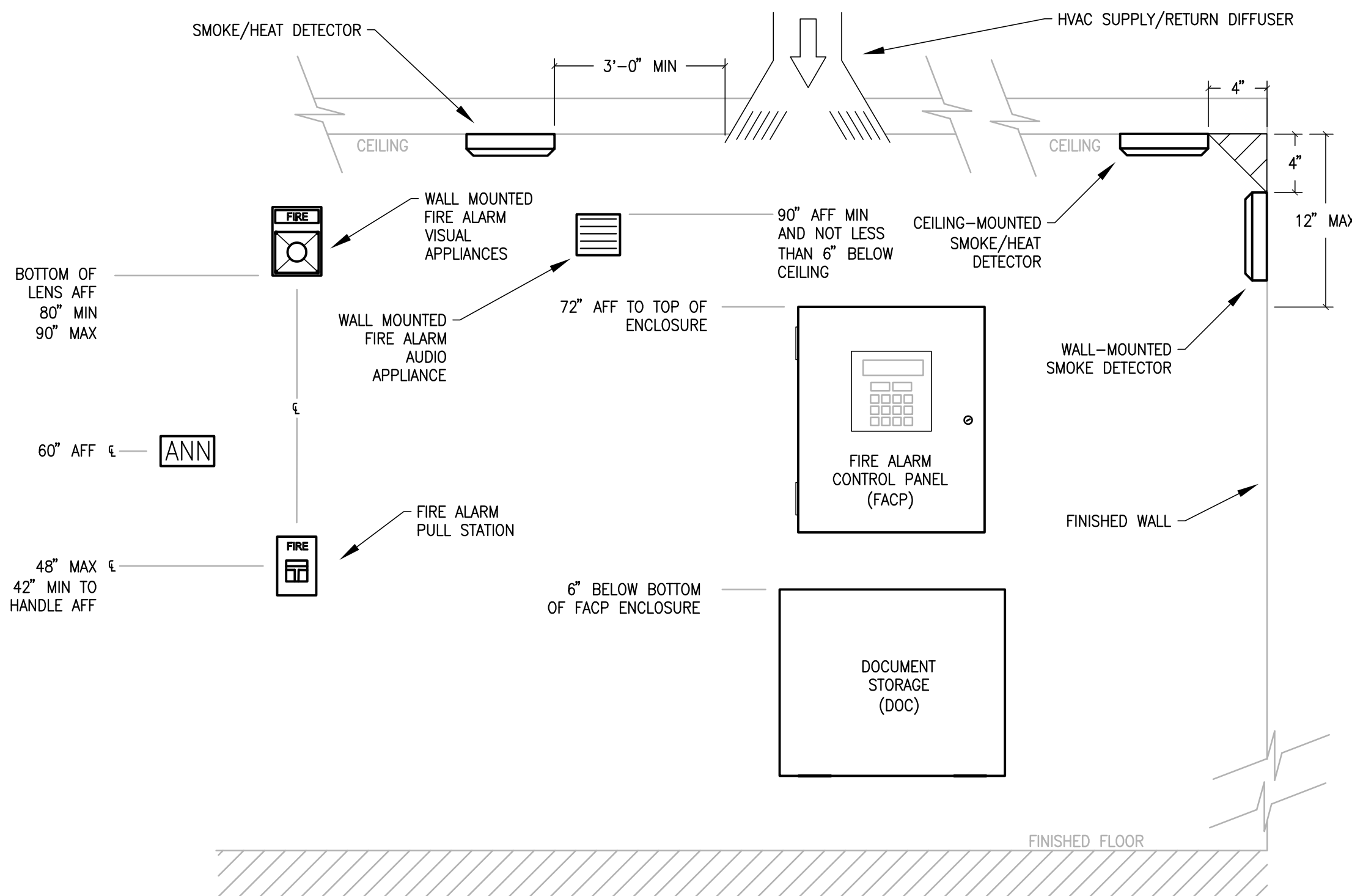
3 ELECTRIFIED DOOR DETAIL  
E301 SCALE: NOT TO SCALE



NOTES:

1. PENDANT-MOUNT EXIT SIGNS ON CEILINGS 8'-6" AFF OR GREATER.

4 BUILDING EGRESS DEVICE MOUNTING HEIGHTS  
E301 SCALE: NOT TO SCALE



NOTES:

1. ALL MOUNTING HEIGHTS SHALL BE MEASURED FROM FINISHED FLOOR.
2. DEVICES SHALL BE INSTALLED ON A COMMON VERTICAL CENTERLINE WHEREVER POSSIBLE.
3. ALL DEVICES SHALL BE INSTALLED AT MOUNTING HEIGHTS AS INDICATED ON THIS DETAIL UNLESS OTHERWISE NOTED. SEE ARCHITECTURAL ELEVATIONS, WHEN AVAILABLE, FOR FURTHER MOUNTING REQUIREMENTS.
4. ALL DEVICES SHALL BE LOCATED A MINIMUM OF 18" FROM AN INTERIOR CORNER.
5. EC TO REVIEW MOUNTING HEIGHT OF ALL DEVICES AND EQUIPMENT WITH NFPA 72, MANUFACTURER AND LOCAL FIRE DEPARTMENT PRIOR TO INSTALLATION. DEVICE/COMPONENT HEIGHTS MAY CHANGE PER LOCAL AUTHORITY REQUIREMENTS.
6. FOR ANY APPLIANCES WITH TWO OR MORE DEVICES IN FIELD OF VIEW, SYNCHRONIZE AUDIO AND/OR VISUAL NOTIFICATION SYMBOLS.

5 TYPICAL FIRE ALARM DEVICE MOUNTING HEIGHTS  
E301 SCALE: NOT TO SCALE

**FIRST CHURCH  
OF ROXBURY**

10 Putnam St  
Roxbury, MA

DECEMBER 17, 2021

No.	Description	Date

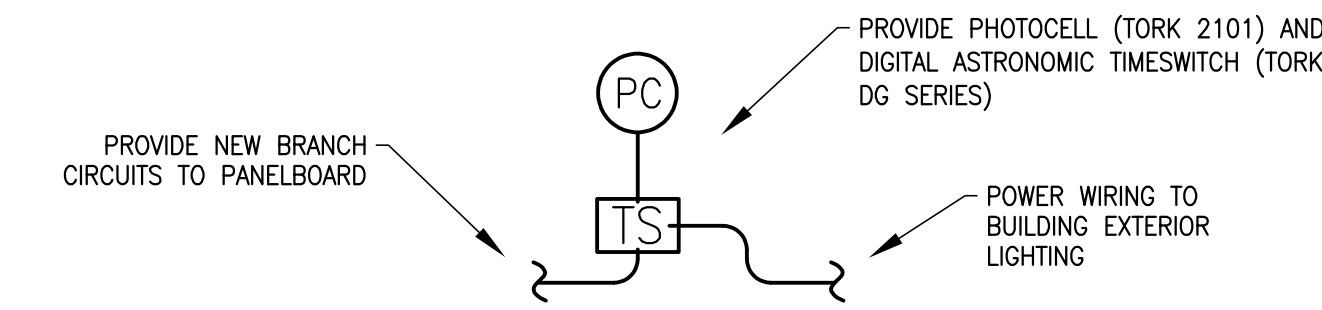


**ELECTRICAL  
DETAILS**

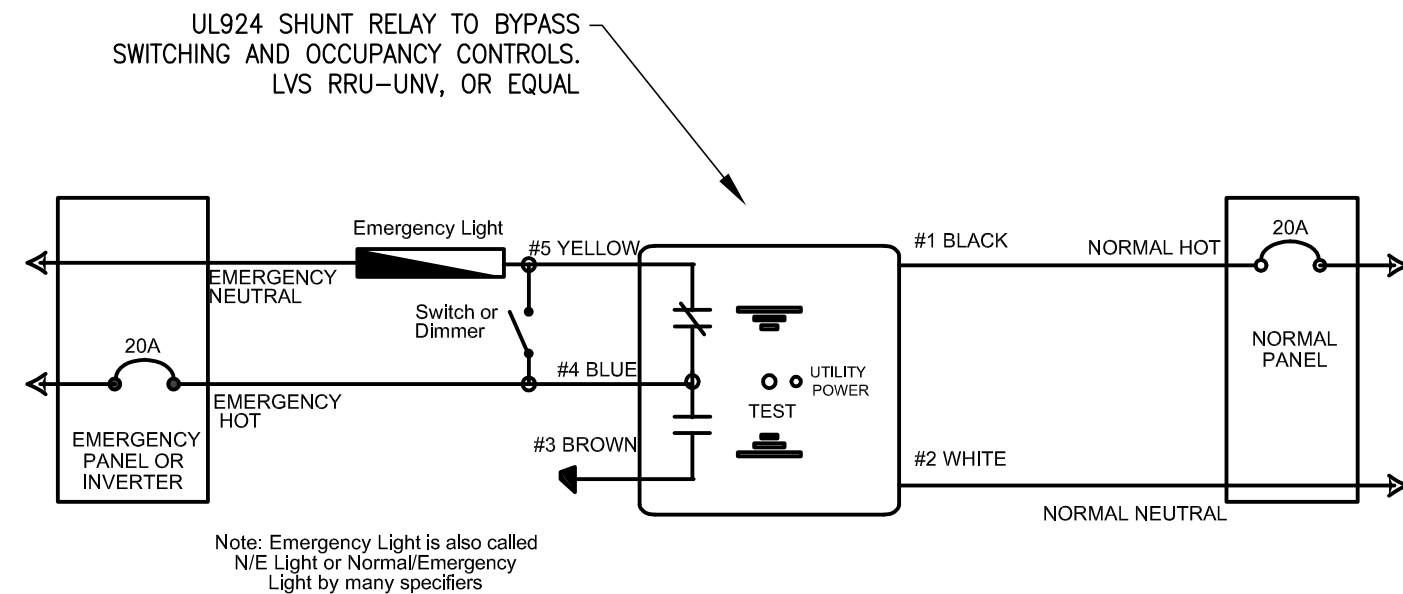
**E301**

Scale As indicated

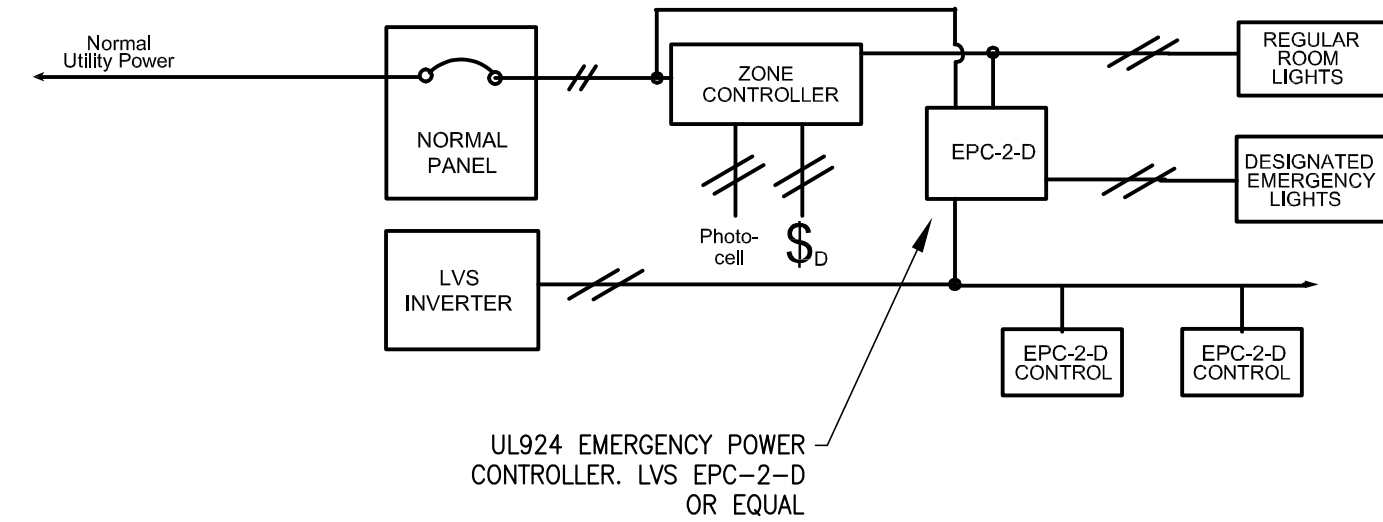




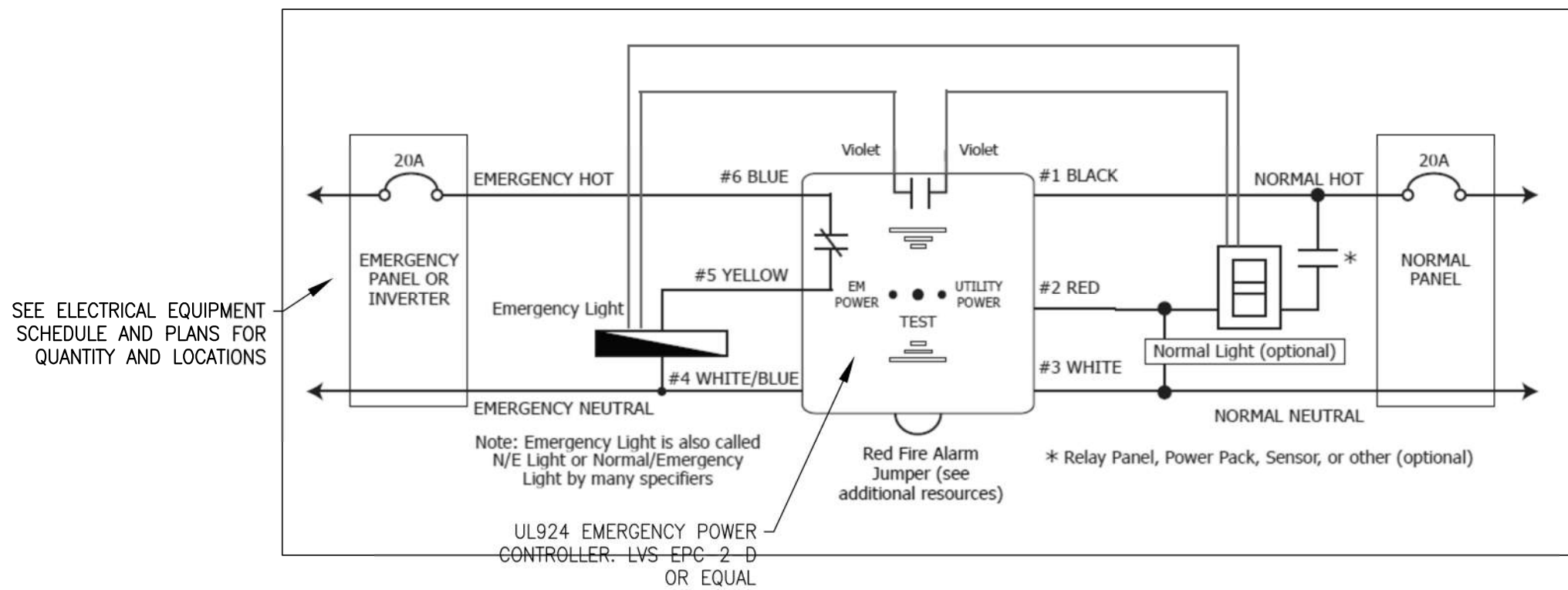
1 BUILDING EXTERIOR LIGHTING CONTROL  
E302 SCALE: NTS



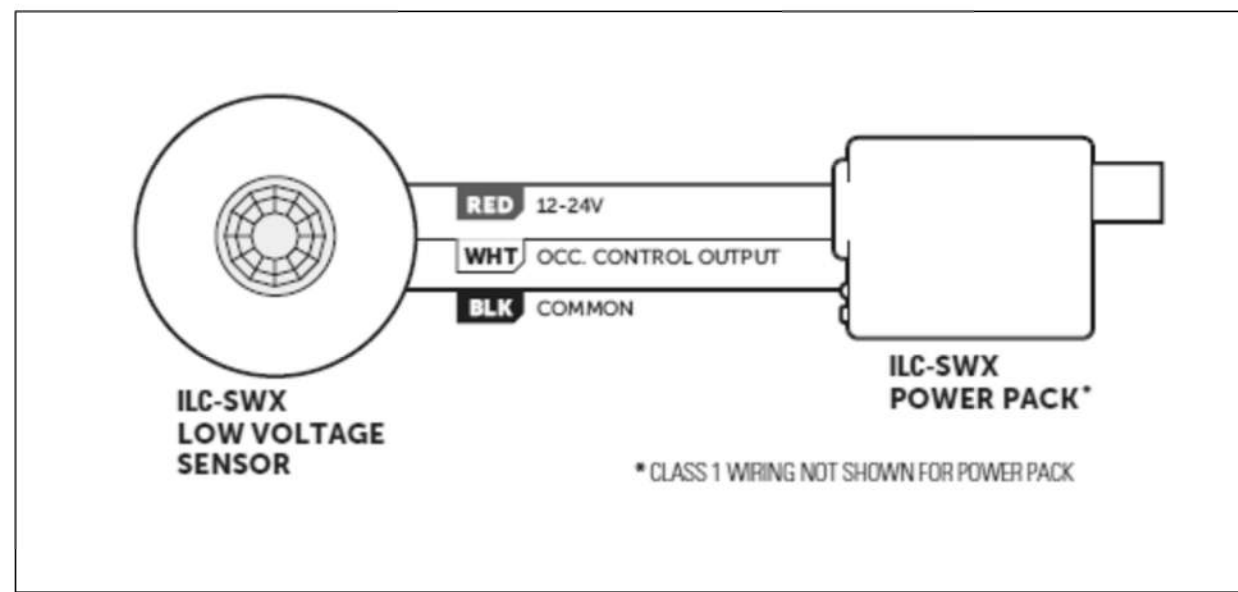
2 EMERGENCY LIGHTING - SHUNT RELAY WIRING  
E302 SCALE: NTS



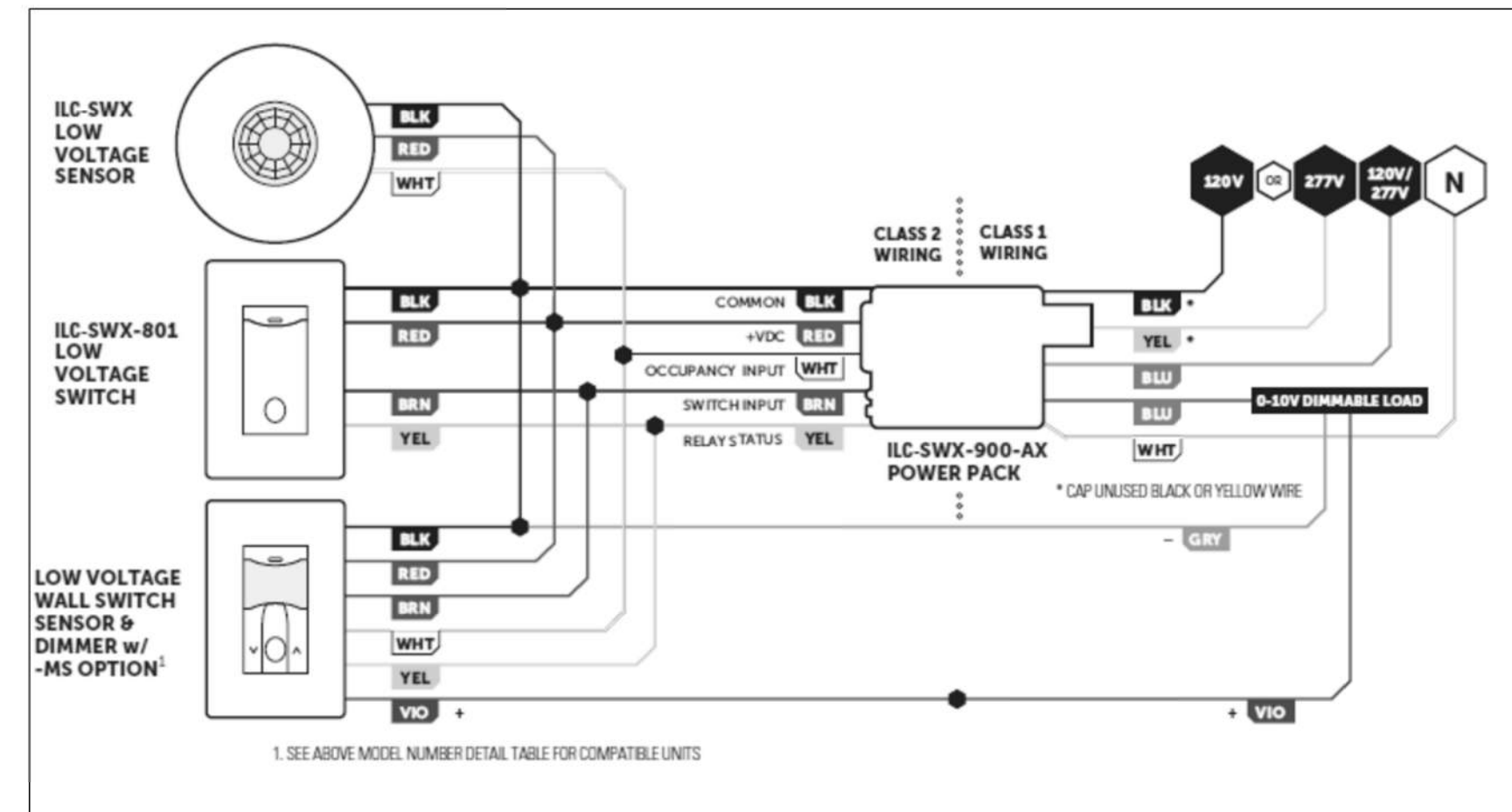
3 EMERGENCY LIGHTING POWER CONTROL  
E302 SCALE: NTS



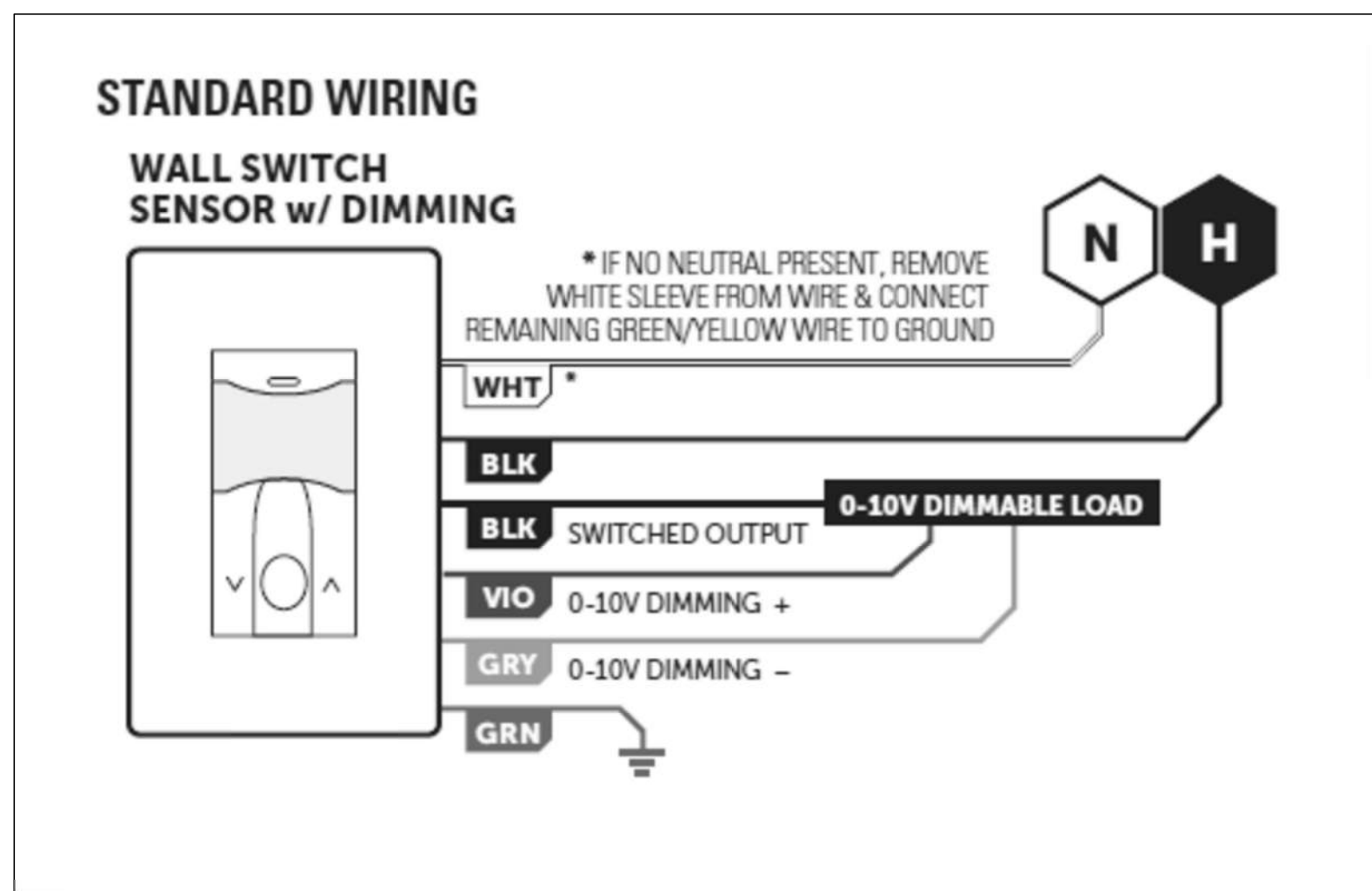
4 EMERGENCY LIGHTING POWER CONTROL  
E302 SCALE: NTS



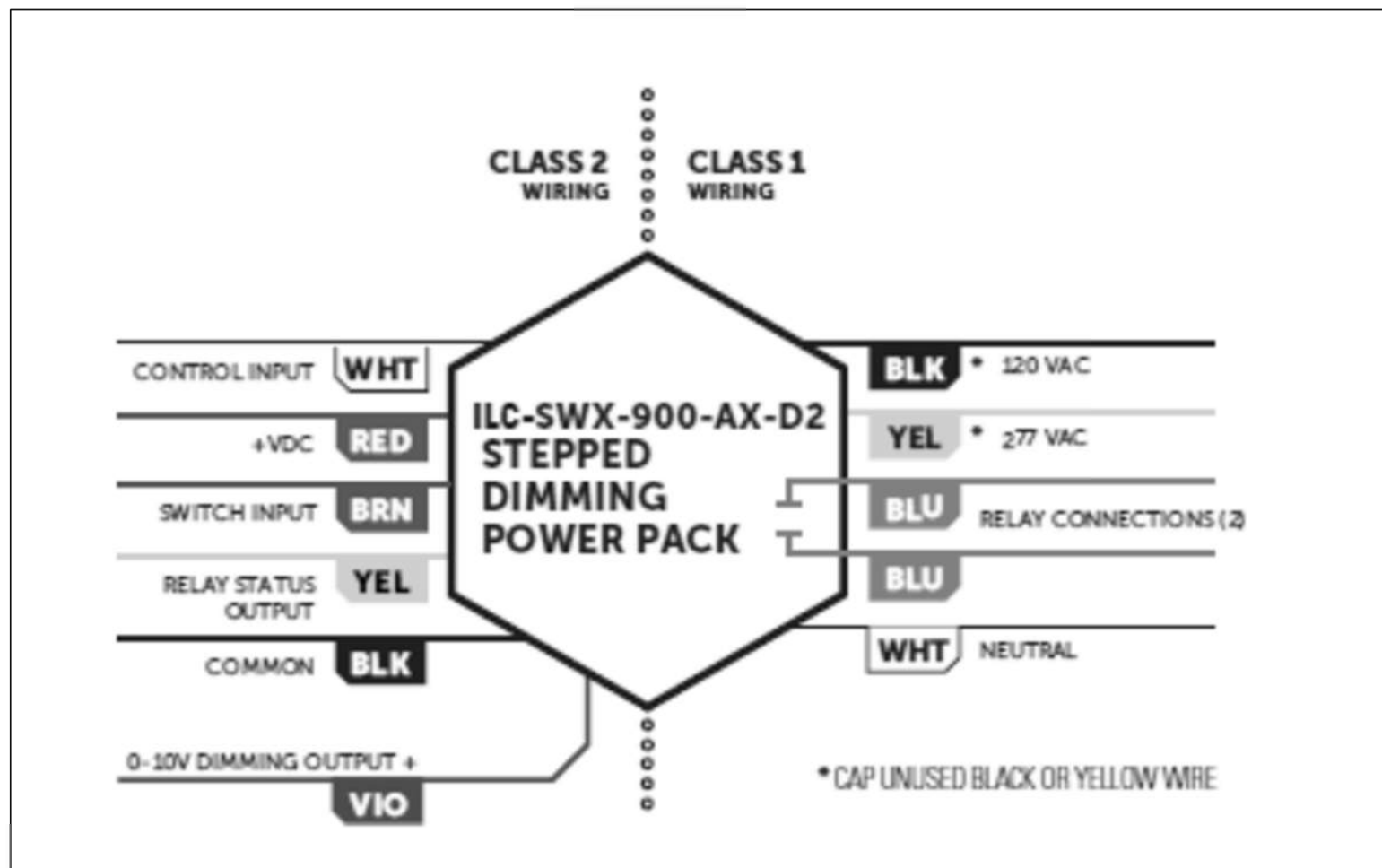
5 OS1 TYPICAL WIRING  
E302 SCALE: NTS



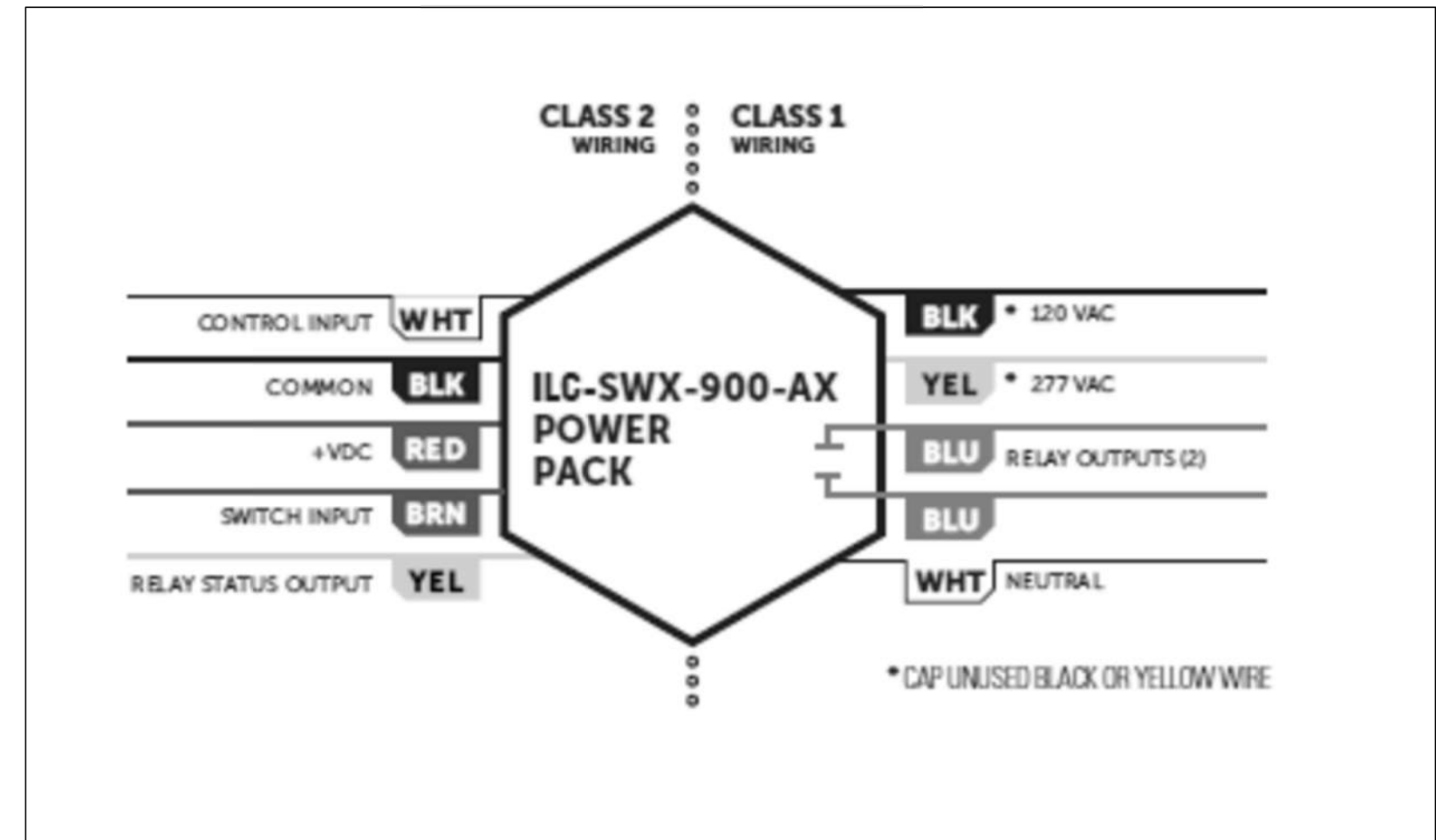
6 S02 TYPICAL WIRING  
E302 SCALE: NTS



7 S01 TYPICAL WIRING  
E302 SCALE: NTS



8 DP1 TYPICAL WIRING  
E302 SCALE: NTS



9 PP1 TYPICAL WIRING  
E302 SCALE: NTS

## FIRST CHURCH OF ROXBURY

10 Putnam St  
Roxbury, MA

DECEMBER 17, 2021

No.	Description	Date



## ELECTRICAL DETAILS

# E302

Scale As indicated



APPLICABLE CODES AND STANDARDS
THE FIRE SUPPRESSION SYSTEM SHALL COMPLY WITH THE FOLLOWING CODES AND STANDARDS:
1. INTERNATIONAL EXISTING BUILDING CODE (IEBC) 2015
2. INTERNATIONAL BUILDING CODE (IBC) 2015
3. NFPA 13-2013: STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS

SPRINKLER HEAD SCHEDULE
<b>CONCEALED PENDANT:</b> FLAT PLATE CONCEALED PENDENT, 5.6 K-FACTOR, 15x15 MAX COVERAGE, WHITE FINISH. (BASIS OF DESIGN: VIKING MODEL VK494)
<b>EXPOSED SIDEWALL:</b> QUICK RESPONSE SIDEWALL, 5.6 K-FACTOR, 15x15 MAX COVERAGE, WHITE FINISH. (BASIS OF DESIGN: VIKING MODEL VK305)
<b>EXPOSED UPRIGHT:</b> STANDARD COVERAGE, QUICK RESPONSE, UPRIGHT HEAD, 5.6 K-FACTOR, 15X15 MAX COVERAGE, NATURAL BRASS FINISH. PROTECTIVE HEAD CAGE (BASIS OF DESIGN: VIKING MODEL VK300)
<b>DRY CONCEALED PENDENT:</b> DRY SPRINKLER HEAD, STANDARD COVERAGE, CONCEALED PENDENT HEAD, 8.0 K-FACTOR, 11x11 COVERAGE, WHITE FINISH (BASIS OF DESIGN: VIKING MODEL VK192)

FIRE SUPPRESSION LEGEND			
ABBREVIATIONS			
AFF	ABOVE FINISHED FLOOR	NEW WORK (BOLD LINE)	FIRE PROTECTION PIPING
AHJ	AUTHORITY HAVING JURISDICTION	EXISTING WORK (LIGHT OR SHADED LINE)	DROP, PIPE DOWN
BFP	BACK FLOW PREVENTER	FIRE DEPARTMENT CONNECTION	RISER, PIPE UP
DCVA	DOUBLE CHECK VALVE ASSEMBLY	ELECTRIC BELL	ISOLATION VALVE WITH TAMPER SWITCH
DN	DOWN	HYDRAULIC REFERENCE POINT	SPRING CHECK VALVE WITH BALL DRIP
DR	DRAIN	CONNECT TO EXISTING	O.S. & Y. VALVE WITH TAMPER SWITCH
DSPR	DRY SPRINKLER	CONCEALED PENDANT *	UNION
EC	ELECTRICAL CONTRACTOR	RECESSED SIDEWALL *	FLANGE
ELEC	ELECTRICAL	EXPOSED UPRIGHT	BALL VALVE WITH HOSE THREAD, BRASS CAP AND CHAIN
ELEV	ELEVATOR	RECESSED PENDANT *	DOUBLE CHECK VALVE ASSEMBLY BACKFLOW PREVENTER
ETR	EXISTING TO REMAIN	RECESSED DRY PENDANT *	WATERFLOW ALARM SWITCH
(E)	EXISTING	DRY SIDEWALL *	TAMPER SWITCH
FCA	FLOOR CONTROL ASSEMBLY	* SUBSCRIPT NUMERAL INDICATES SPRINKLER HEAD TEMPERATURE RATING. IF NO NUMERAL IS INDICATED THEN HEAD SHALL BE ORDINARY TEMPERATURE RATING.	LOW-PRESSURE SWITCH
FD	FIRE DEPARTMENT		SPRINKLER TEST & DRAIN ASSEMBLY
FDC	FIRE DEPARTMENT CONNECTION		DRY CONTROL VALVE
FDV	FIRE DEPARTMENT VALVE		ZONE CONTROL VALVE
FS	FLOW SWITCH		ZONE CONTROL ASSEMBLY
FSC	FIRE SUPPRESSION CONTRACTOR		
GC	GENERAL CONTRACTOR		
LPS	LOW PRESSURE SWITCH		
MC	MECHANICAL CONTRACTOR		
NIC	NOT IN CONTRACT		
PROVIDE	SUPPLY AND INSTALL		
PC	PLUMBING CONTRACTOR		
PRV	PRESSURE REDUCING VALVE		
SP	STANDPIPE		
SPR	SPRINKLER		
TS	TAMPER SWITCH		
TYP	TYPICAL		
U.G.	UNDERGROUND		
W/	WITH		
ZCA	ZONE CONTROL ASSEMBLY		
		HYDRAULIC DESIGN INFORMATION	
DENSITY (GPM/SQ.FT.)		0.10	1500
NFPA 13 HAZARD CLASSIFICATION		LIGHT HAZARD	DESIGN COVERAGE (SQ.FT.)

GENERAL SPRINKLER NOTES:

- THE FOLLOWING PLANS ARE CONSTRUCTION DOCUMENTS. LAYOUT OF SPRINKLER HEADS AND HYDRAULIC CALCULATIONS ARE FOR BUILDING DEPARTMENT USE ONLY. SPRINKLER CONTRACTOR SHALL PREPARE WORKING PLANS, INCLUDING HYDRAULIC CALCULATIONS. CONTRACTOR TO OBTAIN ALL APPROVALS AS REQUIRED PRIOR TO STARTING CONSTRUCTION. UPON SUBSTANTIAL COMPLETION, CONTRACTOR TO PROVIDE AS-BUILT DRAWINGS.
- THE BASE BUILDING "CONTRACT DRAWINGS" AND "SPECIFICATIONS" INCLUDING ALL RESPECTIVE ADDENDA AND BULLETINS SHALL FORM A PART OF THIS WORK AND ALL WORK SHALL BE SUBJECT TO RESPECTIVE PROVISIONS THEREFORE.
- ALL SPRINKLER WORK SHALL BE IN STRICT CONFORMANCE WITH THE REQUIREMENTS OF NFPA-13, LOCAL FIRE DEPARTMENT, MASSACHUSETTS STATE BUILDING CODE, AND THE OWNER'S INSURANCE COMPANY.
- STANDARD PRACTICE: IT IS NOT INTENDED THAT THE DRAWINGS SHALL SHOW EVERY FITTING, CONNECTION, OR APPLIANCE. THIS CONTRACTOR SHALL FURNISH ALL MATERIAL AND LABOR NECESSARY TO PROVIDE COMPLETE AND OPERATIONAL SYSTEMS IN ACCORDANCE WITH THE BEST STANDARD PRACTICE OF THE TRADE.
- MATERIALS: ALL MATERIALS, FIXTURES, AND EQUIPMENT SHALL BE NEW WITHOUT IMPERFECTIONS AND SHALL BE DELIVERED, ERECTED, CONNECTED, AND FINISHED IN EVERY DETAIL. WHEREVER POSSIBLE, ALL TRIM, ACCESSORIES, AND PARTS SHALL BE OF THE SAME MANUFACTURER AS THE RELATED EQUIPMENT AND FIXTURES.
- PROTECTION OF EQUIPMENT AND MATERIALS: RESPONSIBILITY FOR CARE AND PROTECTION OF ALL MATERIALS AND WORK RESTS WITH THIS CONTRACTOR AT ALL TIMES UNTIL IT HAS BEEN APPROVED.
- FINAL COMPLETION: THE WORK SHALL NOT BE CONSIDERED COMPLETE UNTIL THE PUNCH LIST IS COMPLETED TO THE SATISFACTION OF THE ENGINEER AND ALL FINAL INSPECTIONS HAVE BEEN COMPLETED. EACH PHASE SHALL BE INSPECTED, APPROVED BY THE AHJ AND FULLY OPERATIONAL PRIOR TO OCCUPANCY.
- WORK SHALL BE COORDINATED WITH ALL OTHER TRADES, NOTIFY ENGINEER OF CONFLICTS PRIOR TO INSTALLATION OF PIPING OR EQUIPMENT.
- SPRINKLER CONTRACTOR SHALL ADJUST AND/OR ADD SPRINKLER HEADS AS REQUIRED UTILIZING ARCHITECT'S REFLECTED CEILING PLAN FOR LOCATION OF LIGHTS, DIFFUSERS, CABLE TRAYS, ETC...
- SPRINKLER CONTRACTOR SHALL ARRANGE AND PAY FOR A NEW HYDRANT FLOW TEST TO PREPARE TIER TWO SHOP DRAWINGS AND HYDRAULIC CALCULATIONS.
- CONTRACTOR SHALL DETERMINE BEST LOCATION FOR ROUTING ALL ASSOCIATED SPRINKLER LINES. PIPE ROUTING SHOWN SHALL BE USED AND ANY ADDITIONAL OFFSETS OR FITTINGS REQUIRED FOR PROPER INSTALLATION, COORDINATION WITH OTHER TRADES, AND/OR TO MAINTAIN PROPER CLEARANCES SHALL BE PROVIDED. VERIFY EXISTING STRUCTURAL, MECHANICAL, ELECTRICAL INSTALLATIONS AND AVOID ANY/ALL OBSTRUCTIONS OR INTERFERENCES WITH FIRE PROTECTION PIPE ROUTING.
- ALL NEW VALVE CONTROLLING THE FIRE PROTECTION SYSTEM TO BE ELECTRICALLY SUPERVISED. TYPE AND EXACT LOCATION OF FLOW, PRESSURE, AND SUPERVISORY SWITCHES SHALL BE ACCOMPLISHED BETWEEN THE RESPONSIBLE TRADES.
- SEE PLANS FOR THE MANUFACTURER, MODEL, SIZE, TEMPERATURE RATING, AND FINISH OF ALL SPRINKLER HEADS.
- WATER-FILLED SPRINKLER PIPE SHALL NOT BE INSTALLED IN ANY AREA SUBJECT TO FREEZING. COORDINATE WITH MC AND GC TO PROVIDE SUFFICIENT HEAT AT ALL TIMES TO PREVENT WATER-FILLED SPRINKLER PIPE FROM FREEZING.
- MATERIALS:
  - A. ALL PIPING, FITTINGS, HEADS, AND EQUIPMENT SHALL CONFORM TO SPECIFICATIONS.
  - B. ALL PIPING, FITTINGS, HEADS, AND EQUIPMENT SHALL BE SUBMITTED AND APPROVED BY THE ENGINEER BEFORE BEING INSTALLED.
- REFER TO ARCHITECTURAL DRAWINGS FOR CEILING HEIGHTS AND CONSTRUCTION. WHERE WORK BETWEEN THIS DRAWING AND ARCHITECTURAL PLANS ARE IN CONFLICT, ADVISE PRIOR TO INSTALLATION OF PIPING.
- CONTRACTOR SHALL NOT INSTALL ANY SPRINKLER PIPING THAT WILL INTERFERE WITH THE MAINTENANCE/REMOVAL OF HVAC EQUIPMENT, ELECTRICAL EQUIPMENT AND JUNCTION BOXES. NO PIPING SHALL BE LOCATED WITHIN "ELECTRICAL WORKING SPACE" OR "DEDICATED ELECTRICAL SPACE."
- ALL SPRINKLER HEADS MOUNTED IN CEILING SHALL BE LOCATED A MINIMUM OF 4" AWAY FROM ANY WALLS, CEILING HEIGHT CHANGES, OR ANY OTHER VERTICAL INTERSECTING SURFACE.
- PROVIDE HEAD GUARDS ON SPRINKLER HEADS IN BASEMENTS, GARAGE AREAS, TRASH ROOMS, AND WHERE NOTED ON PLANS.
- CUTTING OF STRUCTURAL AND/OR ARCHITECTURAL MEMBERS TO BE DONE ONLY WITH THE WRITTEN APPROVAL OF THE STRUCTURAL ENGINEER AND ARCHITECT.
- FIRESTOPPING ALL PENETRATIONS OF SMOKE/FIRE WALLS, CEILINGS, FLOORS, ROOFS, ETC. BY GC.
- PROVIDE ACCESS PANELS TO ALL VALVES ABOVE NON-ACCESSIBLE CEILINGS AND WITHIN CHASES.
- PROVIDE STOCK OF SPARE SPRINKLER HEADS IN ACCORDANCE WITH NFPA 13 SECTION 6.2.9 AND THE FOLLOWING. PROVIDE (2) HEADS OF EACH TYPE AND TEMPERATURE RATING INCLUDING DRY HEADS. PROVIDE ONE WRENCH FOR EACH TYPE OF SPRINKLER HEAD. PROVIDE ONE OR MORE SPRINKLER HEAD CABINETS REQUIRED TO STORE SPRINKLER HEADS IN A NEAT AND ORDERLY MANNER. PROVIDE TYPE WRITTEN PERMANENTLY AFFIXED LIST OF SPRINKLER HEADS IN EACH CABINET. PROVIDE (2) SPARE HEAD GUARDS.
- METHODS OF HANGING PIPES, HEADERS AND BRANCHES SHALL BE IN ACCORDANCE WITH NFPA-13.
- SEISMIC BRACING SHALL BE PROVIDE AND INSTALLED IN ACCORDANCE WITH THE MASSACHUSETTS STATE BUILDING CODE AND NFPA 13.
- ALL VALVES FOR FIRE SERVICE SHALL BE LISTED BY THE UNDERWRITER'S LABORATORIES, INC. AND THEY FACTORY MUTUAL LABORATORIES. VALVES SHALL BE FACTORY MARKED "UL" AND "FM", 175 PSI WORKING PRESSURE.
- ALL POWER WIRING SHALL BE ACCOMPLISHED UNDER THE ELECTRICAL DIVISION. ALL ALARM AND TAMPER SWITCHES SHALL BE PROVIDED, AND TESTED UNDER THIS SECTION OF THE SPECIFICATIONS WITH WIRING PROVIDED IN THE ELECTRICAL DIVISION. COORDINATE ALL ELECTRICAL ITEMS WITH ELECTRICAL CONTRACTOR.
- PROVIDE A PERMANENTLY ATTACHED HYDRAULIC DESIGN INFORMATION SIGN STATING THE REQUIRED DESIGN CRITERIA FOR EACH HYDRAULICALLY DESIGNED SYSTEM.
- PROVIDE LABELING OF ALL CONTROL VALVES, BACKFLOW PREVENTER, FIRE DEPARTMENT CONNECTION, ELECTRIC BELL, ETC AS REQUIRED BY NFPA-13 AND NFPA-14.
- SPRINKLERS SHALL COVER THE ENTIRE AREA OF THE ROOM INCLUDING ALCOVES. SPRAY SHALL NOT BE BLOCKED BY WALLS OR PARTITIONS.
- E.C. RESPONSIBLE FOR CONNECTIONS TO ALL TAMPER SWITCHES, FLOW SWITCHES, ELECTRIC BELLS, AND ALL OTHER FIRE SUPPRESSION ACCESSORIES.
- FOR ANY ROOM DESIGNATED AS AN ELECTRIC ROOM SPRINKLER PIPING SHALL ENTER ROOM ABOVE DOOR.
- FOR DETAILED REQUIREMENTS ON CORING AND SAW CUTTING SEE STRUCTURAL DRAWINGS. FOR DETAILS ON REQUIRED REPAIRS IF PRE-STRESSED STRANDS OR REBAR IS DAMAGED DURING CUTTING, SEE STRUCTURAL DRAWINGS.
- PROVIDE ROUTINE MAINTENANCE AND ALL MANUFACTURER RECOMMENDED MAINTENANCE FOR ALL NEW AND EXISTING EQUIPMENT THROUGH WARRANTEE PERIOD.

TABLE 8.6.5.1.2 POSITIONING OF SPRINKLER TO AVOID OBSTRUCTION TO DISCHARGE	
DISTANCE FROM SPRINKLERS TO SIDE OF OBSTRUCTION (A)	MAXIMUM ALLOWABLE DISTANCE OF DEFLECTOR ABOVE BOTTOM OF OBSTRUCTION (INCHES) (B)
LESS THAN 1 FT	0
1'-0" TO LESS THAN 1'-6"	0'-2.5"
1'-6" TO LESS THAN 2'-0"	0'-3.5"
2'-0" TO LESS THAN 2'-6"	0'-5.5"
2'-6" TO LESS THAN 3'-0"	0'-7.5"
3'-0" TO LESS THAN 3'-6"	0'-9.5"
3'-6" TO LESS THAN 4'-0"	1'-0"
4'-0" TO LESS THAN 4'-6"	1'-2"
4'-6" TO LESS THAN 5'-0"	1'-4.5"
5'-0" TO LESS THAN 5'-6"	1'-6"
5'-6" TO LESS THAN 6'-0"	1'-8"
6'-0" TO LESS THAN 6'-6"	2'-0"
6'-6" TO LESS THAN 7'-0"	2'-6"
7'-0" AND GREATER	2'-11"

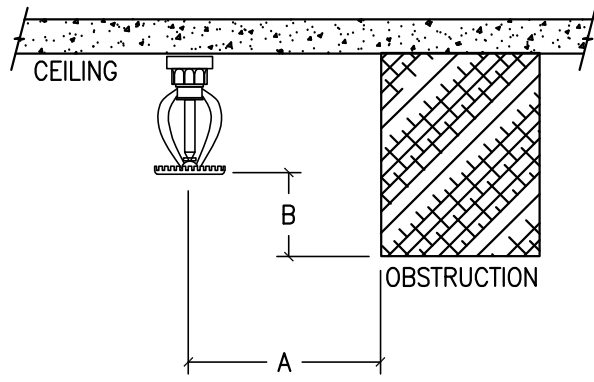


FIGURE 8.10.6.1.2(A)  
POSITIONING OF SPRINKLERS TO AVOID  
OBSTRUCTION TO DISCHARGE

NFPA 13 TABLE 8.6.5.1.2 + FIGURE 8.6.5.1.2(A) & (B) STANDARD  
PENDENT AND UPRIGHT SPRAY SPRINKLERS

NOTES:

- FSC SHALL REVIEW ALL SPRINKLER HEAD LOCATIONS PRIOR TO INSTALLATION TO CONFIRM COMPLIANCE WITH NFPA 13-2013 OBSTRUCTION RULES. WHERE CONTRACTOR IS UNABLE TO RESOLVE ISSUES THROUGH MINOR MODIFICATIONS TO HEAD LAYOUTS, NOTIFY ENGINEER IMMEDIATELY.
- RELOCATION OF HEADS INSTALLED IN VIOLATION OF THESE RULES SHALL BE PERFORMED AT FSC'S EXPENSE.

**FIRST CHURCH  
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10 Putnam St  
Roxbury, MA

DECEMBER 17, 2021

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**FIRE SUPPRESSION  
LEGEND, NOTES,  
AND DETAILS**

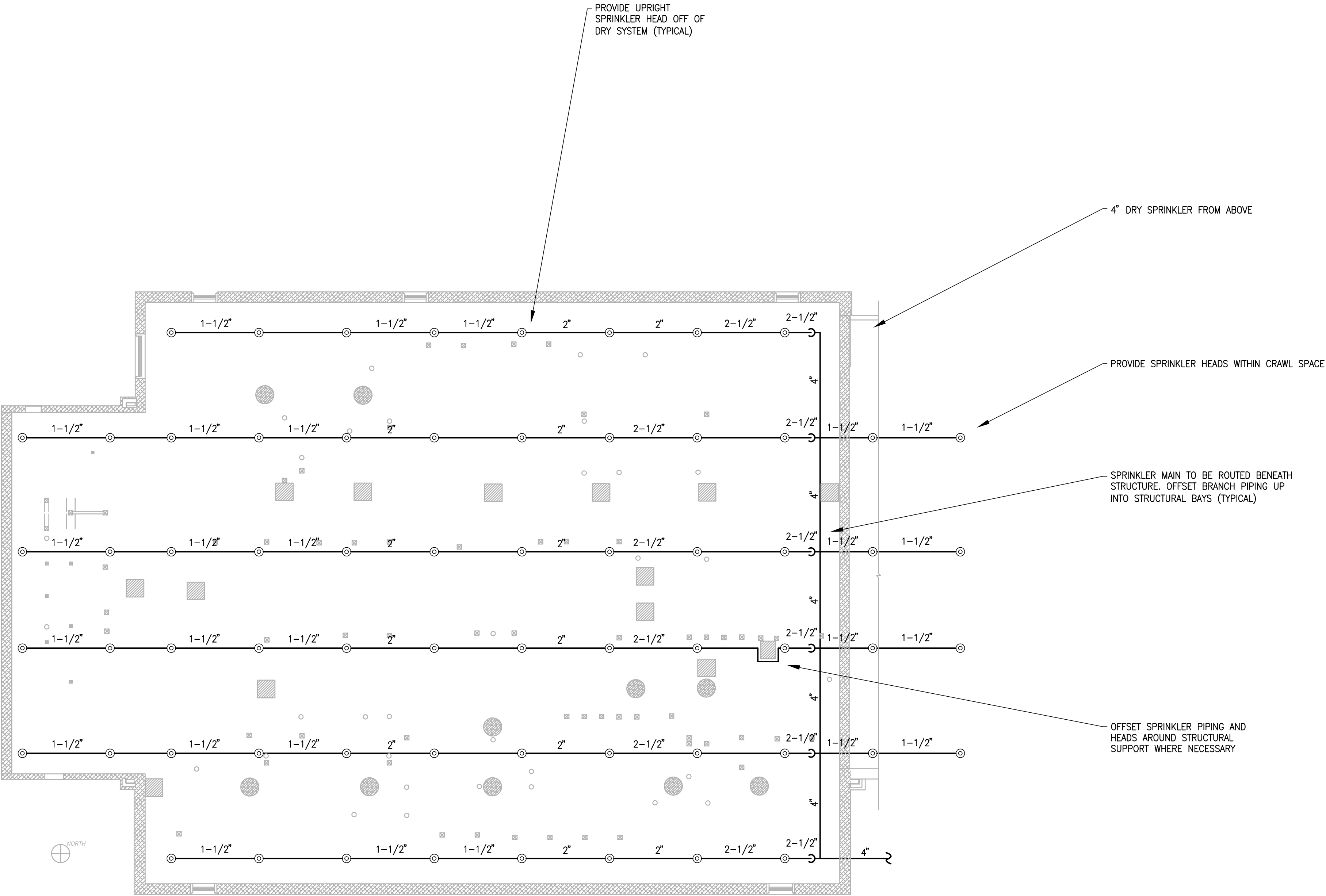
**FS-001**

Scale As indicated



FIRE SUPPRESSION NOTES:

1. SEE SPECIFICATIONS AND DETAILS FOR FURTHER REQUIREMENTS.
2. INSTALL EQUIPMENT AND SYSTEMS PER CODE AND PER MANUFACTURERS' INSTRUCTIONS.
3. ALL DIMENSIONS AND LOCATIONS ARE APPROXIMATE. CONTRACTOR TO INSPECT AND VERIFY ALL INFORMATION IN FIELD AND INFORM THE ENGINEERS OF ANY DISCREPANCIES IN WRITING IMMEDIATELY.
5. PIPING MAY BE SHOWN DISPLACED FOR CLARITY.
6. ALL PIPING SHALL BE 1" UNLESS NOTED OTHERWISE.
7. FSC SHALL EXAMINE ALL SPACES WITHIN BUILDING TO DETERMINE IF ANY ADDITIONAL COMBUSTIBLE VOID SPACES EXIST. NOTIFY ENGINEER IN WRITING OF ANY SUSPECT AREAS.
8. FSC TO PROVIDE REQUIRED FIRESTOPPING.



1 CRAWL SPACE FIRE SUPPRESSION PLAN  
FS100 SCALE: 1/8" = 1'-0"



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**OWNER**  
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10 Putnam Street  
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**EXISTING DOCUMENTATION**  
Existing Conditions  
617-247-9161

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CRAWL SPACE FIRE  
SUPPRESSION PLAN

FS100

Scale As indicated



FIRE SUPPRESSION NOTES:

1. SEE SPECIFICATIONS AND DETAILS FOR FURTHER REQUIREMENTS.
2. INSTALL EQUIPMENT AND SYSTEMS PER CODE AND PER MANUFACTURERS' INSTRUCTIONS.
3. ALL DIMENSIONS AND LOCATIONS ARE APPROXIMATE. CONTRACTOR TO INSPECT AND VERIFY ALL INFORMATION IN FIELD AND INFORM THE ENGINEERS OF ANY DISCREPANCIES IN WRITING IMMEDIATELY.
5. PIPING MAY BE SHOWN DISPLACED FOR CLARITY.
6. ALL PIPING SHALL BE 1" UNLESS NOTED OTHERWISE.
7. FSC SHALL EXAMINE ALL SPACES WITHIN BUILDING TO DETERMINE IF ANY ADDITIONAL COMBUSTIBLE VOID SPACES EXIST. NOTIFY ENGINEER IN WRITING OF ANY SUSPECT AREAS.
8. FSC TO PROVIDE REQUIRED FIRESTOPPING.



31 St. James Avenue  
6th Floor  
Boston MA, 02116  
tel: 617.606.7029  
www.dreamcollaborative.com

**OWNER**  
Unitarian Universalist Urban Ministry  
10 Putnam Street  
Roxbury, MA 02119

**EXISTING DOCUMENTATION**  
Existing Conditions  
617-247-9161

**ELECTICAL**  
D's Electric  
617-542-2000

**STRUCTURAL ENGINEERING**  
Structures North  
John Wathne  
(508) 801-6817

FIRST CHURCH  
OF ROXBURY

10 Putnam St  
Roxbury, MA

DECEMBER 17, 2021

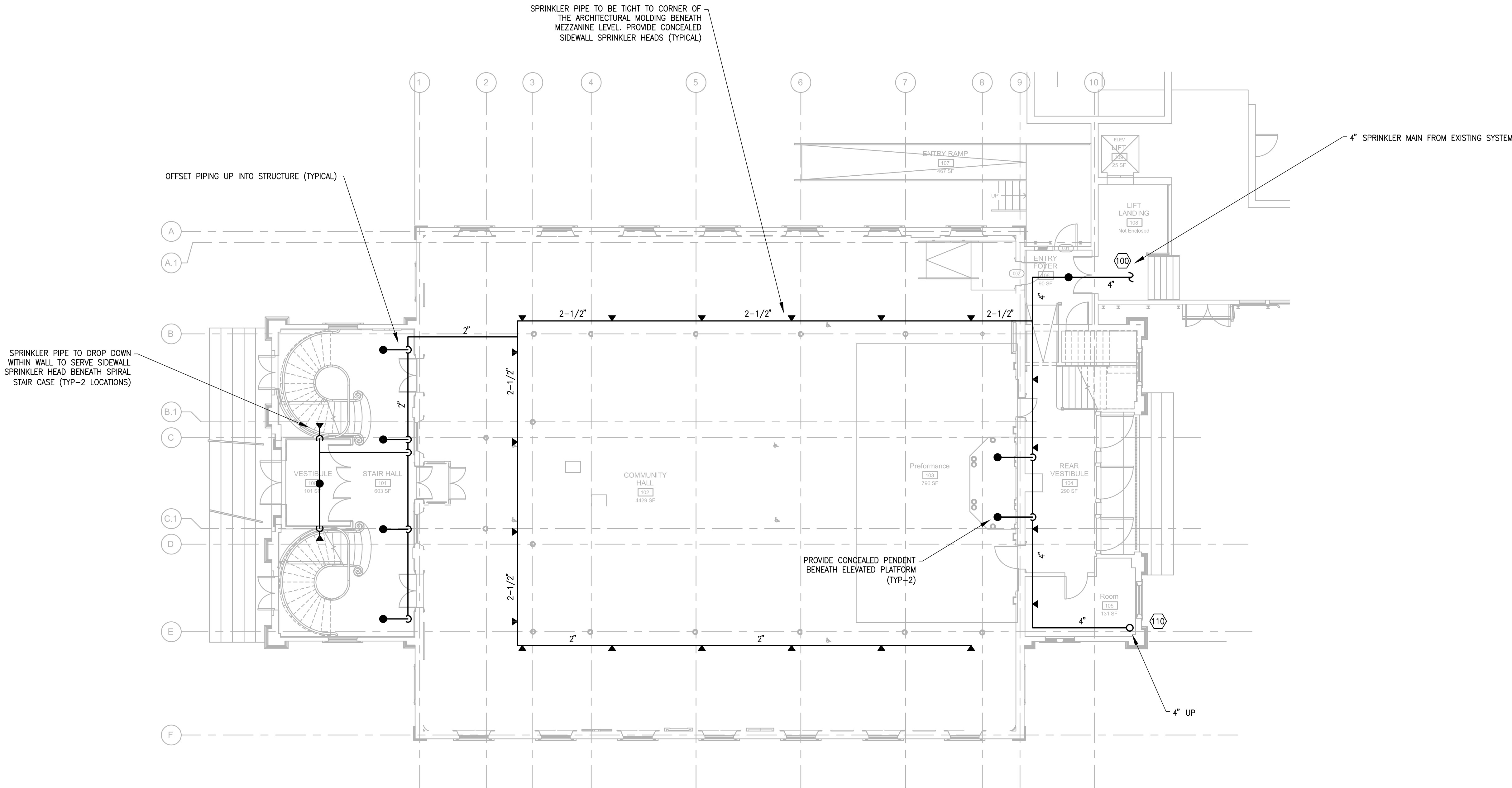
No.	Description	Date



COMMUNITY HALL  
FIRE SUPPRESSION  
PLAN

FS101

Scale As indicated

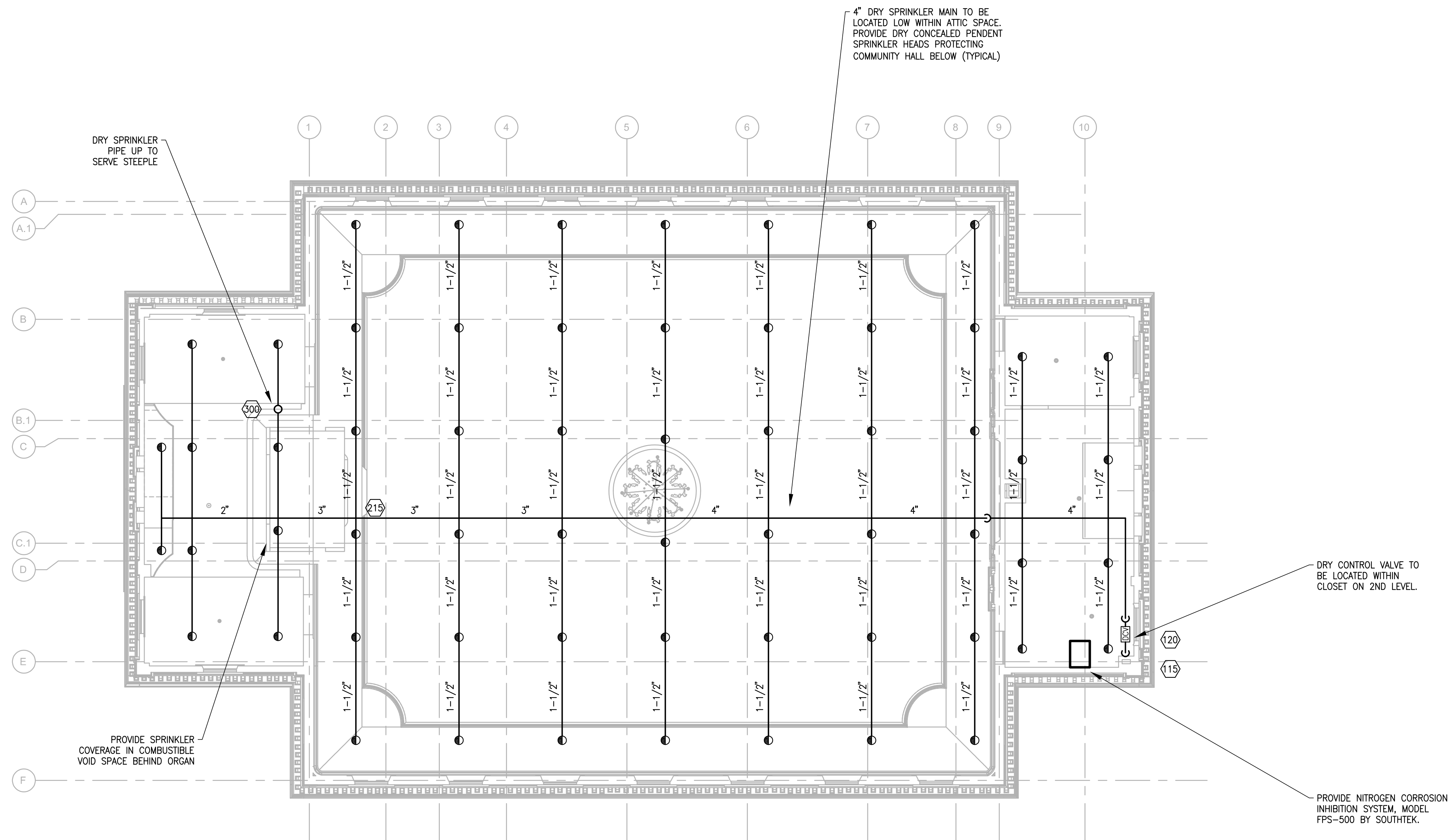


1 COMMUNITY HALL FIRE SUPPRESSION PLAN  
FS101 SCALE: 1/8" = 1'-0"



FIRE SUPPRESSION NOTES:

- SEE SPECIFICATIONS AND DETAILS FOR FURTHER REQUIREMENTS.
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- FSC TO PROVIDE REQUIRED FIRESTOPPING.



1 COMMUNITY HALL LEVEL 2 FIRE SUPPRESSION PLAN  
FS102 SCALE: 1/8" = 1'-0"

FIRST CHURCH  
OF ROXBURY

10 Putnam St  
Roxbury, MA

DECEMBER 17, 2021

No.	Description	Date

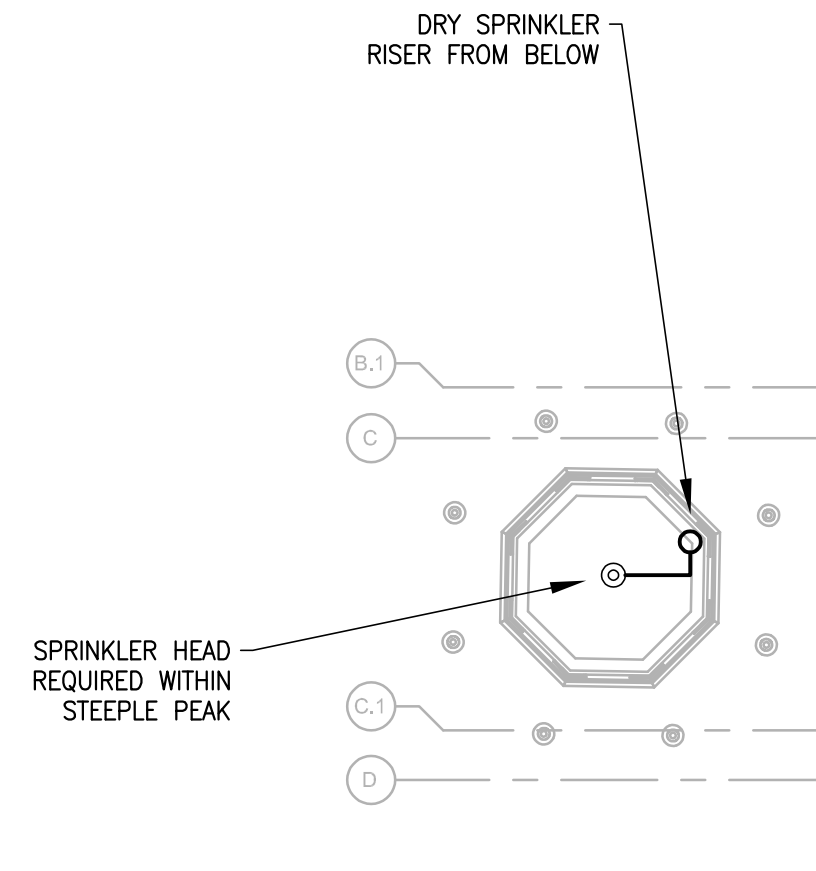
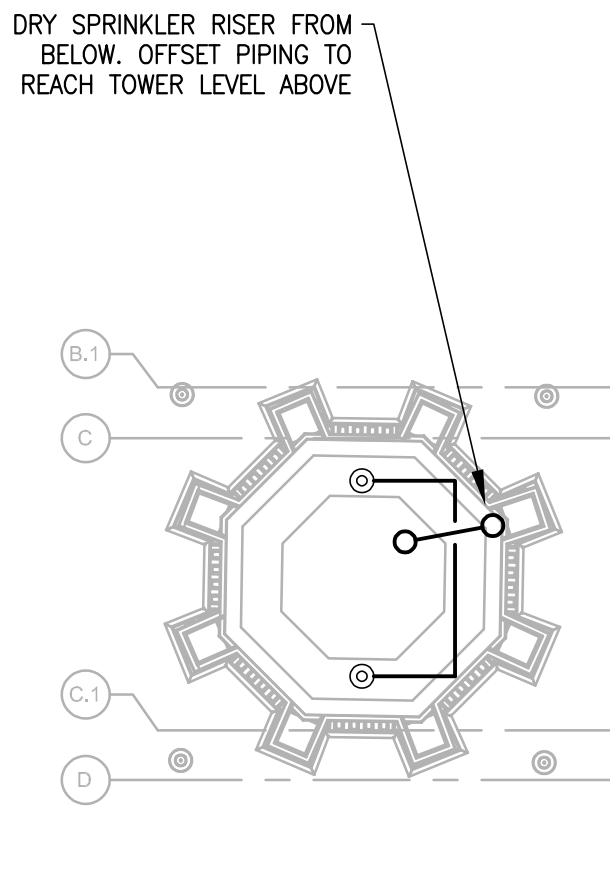
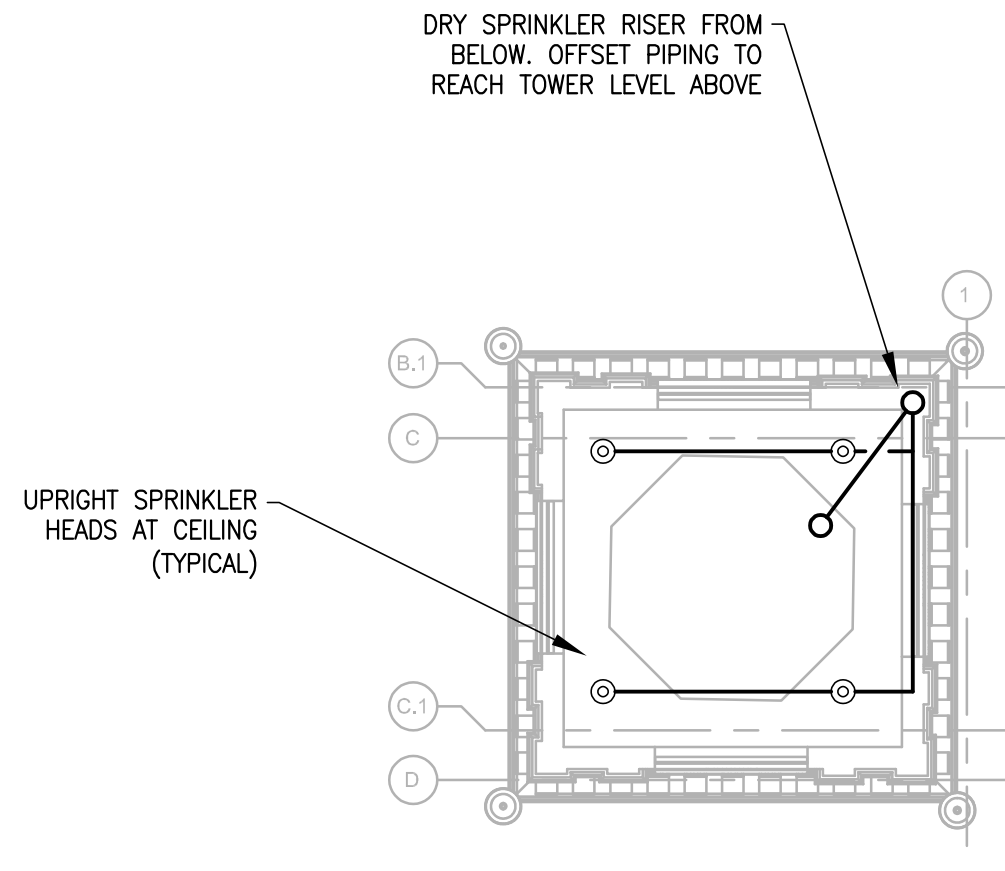
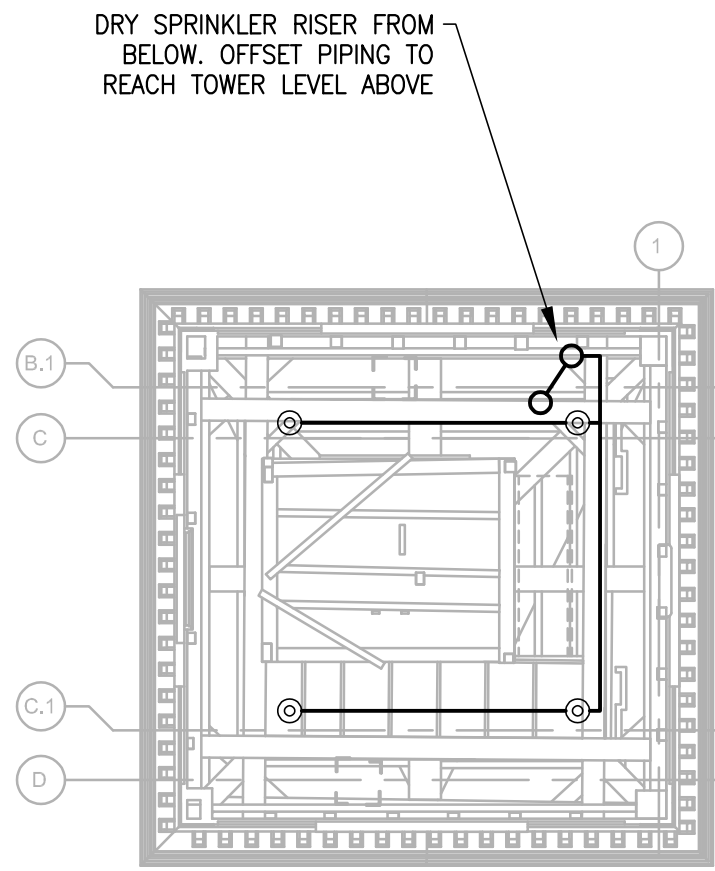


LEVEL 2 FIRE  
SUPPRESSION PLAN

FS102

Scale As indicated





FIRE SUPPRESSION NOTES:

1. SEE SPECIFICATIONS AND DETAILS FOR FURTHER REQUIREMENTS.
2. INSTALL EQUIPMENT AND SYSTEMS PER CODE AND PER MANUFACTURERS' INSTRUCTIONS.
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8. FSC TO PROVIDE REQUIRED FIRESTOPPING.

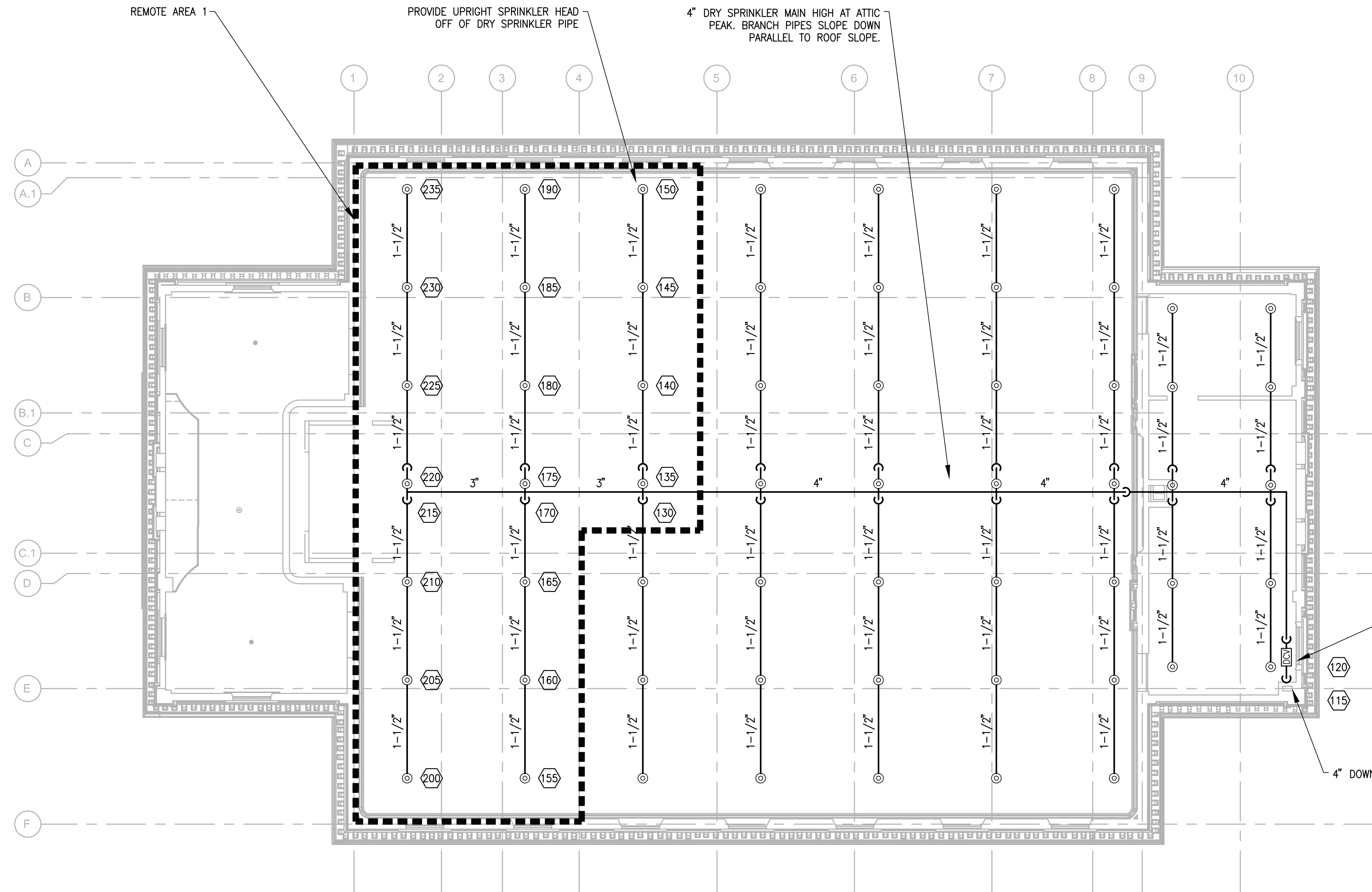
HYDRAULIC SUMMARY TABLE	
REMOTE AREA 1 - LIGHT HAZARD	
DESIGN AREA:	1,950 SQ.FT.
MINIMUM DENSITY:	0.10 GPM/SQ FT
CALCULATED FLOW:	418.4 GPM @ 68.9 PSI INCLUDING 100 GPM HOSE ALLOWANCE

3 TOWER LEVEL 3-4 FIRE SUPPRESSION PLAN  
FS103 SCALE: 1/8" = 1'-0"

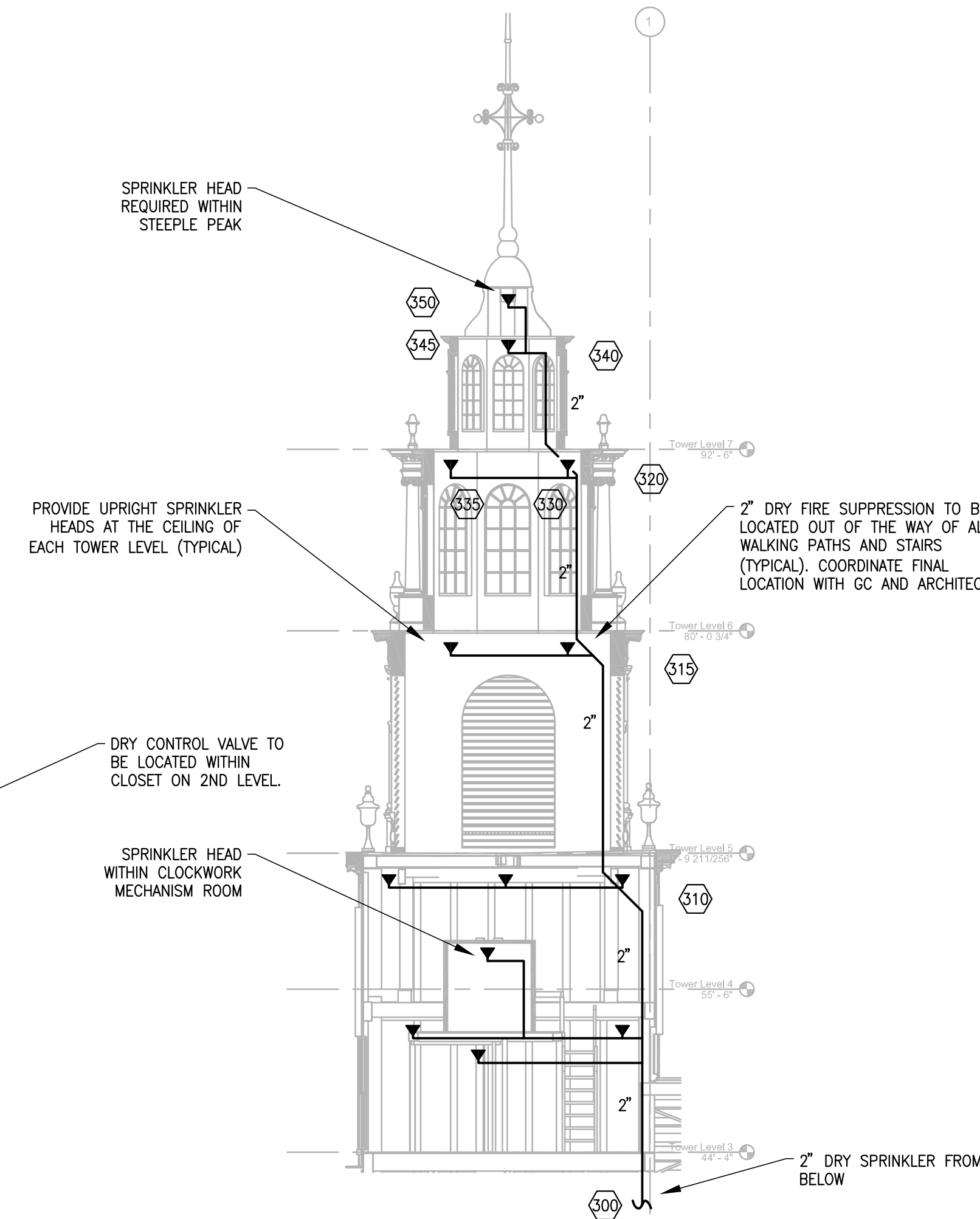
4 TOWER LEVEL 5 FIRE SUPPRESSION PLAN  
FS103 SCALE: 1/8" = 1'-0"

5 TOWER LEVEL 6 FIRE SUPPRESSION PLAN  
FS103 SCALE: 1/8" = 1'-0"

6 TOWER LEVEL 7 FIRE SUPPRESSION PLAN  
FS103 SCALE: 1/8" = 1'-0"



1 ATTIC FIRE SUPPRESSION PLAN  
FS103 SCALE: 1/8" = 1'-0"



2 TOWER FIRE SUPPRESSION SECTION VIEW  
FS103 SCALE: 1/8" = 1'-0"

FIRST CHURCH  
OF ROXBURY

10 Putnam St  
Roxbury, MA

DECEMBER 17, 2021

No.	Description	Date



ATTIC AND TOWER  
FIRE SUPPRESSION  
PLANS

FS103

Scale As indicated