

ADDITION/RENOVATION OF POPE'S TAVERN

CONSTRUCTION DOCUMENTS

506 PLYMOUTH STREET,
HALIFAX, MA

OWNER/DEVELOPER

TOWN OF HALIFAX, MA
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Plymouth, MA 02360

OWNER'S PROJECT MANAGER

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WINSLOW ARCHITECTS, INC.
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STRUCTURAL

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STRUCTURAL ENGINEERING
Southborough, MA

MECHANICAL/ELECTRICAL/PLUMBING/FIRE PROTECTION

MacRITCHIE ENGINEERING INCORPORATED, INC.
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CIVIL

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Date issued:

7/6/18



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Consultant:

Owner/Developer:

TOWN OF
HALIFAX, MA

Project:

ADDITION /
RENOVATION -
POPE'S
TAVERN,
HALIFAX, MA

Drawing:

TITLE SHEET

CONSTRUCTION DOCUMENTS

Revisions:

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Project number:

16-514

Sheet:

G-001

CODE REVIEW

APPLICABLE CODES

BUILDING CODE
MASSACHUSETTS STATE BUILDING CODE (780 CMR) - 9TH EDITION, BASE VOLUME (2015 INTERNATIONAL BUILDING CODE W/ AMENDMENTS)

ACCESSIBILITY
MASSACHUSETTS ARCHITECTURAL ACCESS BOARD (521 CMR), AMERICANS W/ DISABILITIES ACT (ADA) ACCESSIBILITY GUIDELINES

ENERGY CODE
INTERNATIONAL ENERGY CONSERVATION CODE 2015 EDITION (IECC W/ MA 9TH ED. CHAPTER 13 & STRETCH CODE AMENDMENTS).

ELECTRICAL CODE
MASSACHUSETTS ELECTRICAL CODE (527 CMR 12.00 - 2014 NFPA 70: NATIONAL ELECTRICAL CODE W/ MA AMENDMENTS

PLUMBING CODE
MASSACHUSETTS BOARD OF STATE EXAMINERS OF PLUMBERS AND GAS FITTERS REGULATIONS (248 CMR)

FIRE PROTECTION CODE
MASSACHUSETTS COMPREHENSIVE FIRE SAFETY CODE (527 CMR 1.00 - 2012 NFPA 1: FIRE CODE W/ AMENDMENTS
M.G.L. CH. 14B 26G)

BUILDING SUMMARY

OCCUPANCY CLASSIFICATION (MIXED USE)	B Business/A-2 Assembly restaurant***	
CONSTRUCTION CLASSIFICATION	V-B	
ALLOWABLE HEIGHT*	2 STORIES/ 40 FEET	
ALLOWABLE AREA FACTOR**	SM (FULLY SPRINKLERED)	
ALLOWABLE AREA PER STORY**	18,000	
AREA/HEIGHT	EXISTING: 2 STORY/25.5 FEET 1ST FLOOR, 1,922 SF 2ND FLOOR 1,630 SF	PROPOSED ADDITION: 2 STORY/35 FEET BASEMENT 1,775 SF 1ST FLOOR 1,818 SF 2ND FLOOR 1,234 SF
	COMPLETE PROPOSED BUILDING: 2 STORY/35 FEET (mean above grade) BASEMENT 1,775 SF TOTAL 1ST FLOOR 3,740 SF TOTAL 2ND FLOOR 2,864 SF TOTAL	COMPLIES*** 35 FEET < 40 FEET 3,740 SF < 18,000 SF

* AS PER IBC 2015 TABLE 504.4 ALLOWABLE NUMBER OF STORIES ABOVE GRADE PLANE & TABLE 504.3 ALLOWABLE BUILDING HEIGHT IN FEET ABOVE GRADE PLANE

** AS PER IBC 2015 TABLE 506.2 ALLOWABLE AREA FACTOR

*** COMPLIES WITH REQUIREMENTS FOR MOST LIMITING USE (A-2) FOR NON-SEPARATED MIXED USE BUILDING

FIRE RESISTANCE RATING SCHEDULE

ELEMENT	B BUSINESS & A-2 ASSEMBLY USES/TYPE VB	PROVIDED	
COLUMNS	0	0	COMPLIES
SUPPORTING ROOF	0	0	COMPLIES
SUPPORTING ONE (1) OR MORE FLOORS	0	0	COMPLIES
FLOOR CONSTRUCTION	0	0	COMPLIES
ROOF CONSTRUCTION	0	0	COMPLIES
CORRIDORS	1/2 HR (IBC 2015, TABLE 1020.1)	1 HR	COMPLIES
EXIT ENCLOSURES (STAIRS)	0 - CONNECTING < 4 STORIES, BUILDING SPRINKLERED & DRAFT CURTAIN PROVIDED (IBC 2015, § 1019.3, EXCEPTION 4)	0	COMPLIES W/ IBC 2015, § 1019.3, EXCEPTION 4
EXTERIOR WALL/FIRE SEPARATION	N/A	N/A	N/A
ELEVATOR SHAFT ENCLOSURE	1 HR - CONNECTING <4 STORIES	1	COMPLIES
EXIT PASSAGEWAYS	N/A	N/A	N/A
HORIZONTAL EXITS	N/A	N/A	N/A
FIRE SEPARATION OF OCCUPANCIES	0 HR - UNSEPARATED MIXED USE AS PER IBC 2015, § 508.3.1 and 2	0	COMPLIES

OTHER FIRE AND SMOKE RESISTANT FEATURES

DRAFTSTOPPING - NOT REQUIRED IN BUILDINGS W/ AUTOMATIC SPRINKLER SYSTEM (IBC 2015, 718.3.2, EXCEPTION 1) - COMPLIES
NOT REQUIRED IN ATTICS W/ AUTOMATIC SPRINKLER SYSTEM (IBC 2015,718.4.2, EXCEPTION 4) - COMPLIES

OCCUPANCY BY USE

	A-2 RESTAURANT	A-2 COMMERCIAL KITCHEN	B BUSINESS
BASEMENT	0	0	0
FIRST FLOOR	0	341	0
SECOND FLOOR	0	0	0
USE TOTAL AREA	0	0	0
AREA PER OCCUPANT	0	0	0

EXIT CAPACITY

	REQUIRED	PROVIDED	
STAIRWAYS	0	0	COMPLIES
DOORS	0		
SECOND FLOOR	0		
USE TOTAL AREA	0		
AREA PER OCCUPANT	0		

MEANS OF EGRESS

EXIT CAPACITIES:
MAX EGRESS OCCUPANT LOAD - 76 OCCUPANTS
MINIMUM WIDTH REQUIREMENTS PER COMPONENT:

STAIRWAYS -
44" MIN CLEAR WIDTH > OCCUPANT LOAD X .3" (IBC 2015, § 1005.3.1 STAIRWAYS)

DOORS -
MIN CLEAR WIDTH 32" (IBC 2015, § 1010.1.1 SIZE OF DOORS)
32" MIN CLEAR WIDTH > OCCUPANT LOAD X .2" (IBC 2015, § 1005.3.2 OTHER EGRESS COMPONENTS)

CORRIDORS
MIN WIDTH 44" COMMON AREA CORRIDORS (IBC 2015, TABLE 1020 MINIMUM CORRIDOR WIDTH)

MINIMUM EGRESS COMPONENT WIDTHS PROVIDED:
STAIRWAYS - 4'-0" (COMPLIES)
CORRIDORS - 5'-0" (COMPLIES)
DOORS - 36" WIDE/32" CLEAR WIDTH (COMPLIES)

EXITS REQUIRED:
IN A-2 OCCUPANCY - 55 TOTAL OCCUPANT LOAD/STORY < 500 : 2 EXITS REQUIRED
(IBC 2015, TABLE 1006.3.1 MINIMUM NUMBER OF EXITS OR ACCESS TO EXITS PER STORY)

SECOND FLOOR - 55 OCCUPANTS, 2 EXITS (COMPLIES)
FIRST FLOOR - 55 OCCUPANTS, 2 EXITS (COMPLIES)
BASEMENT - XX OCCUPANTS, 1 EXIT (COMPLIES)

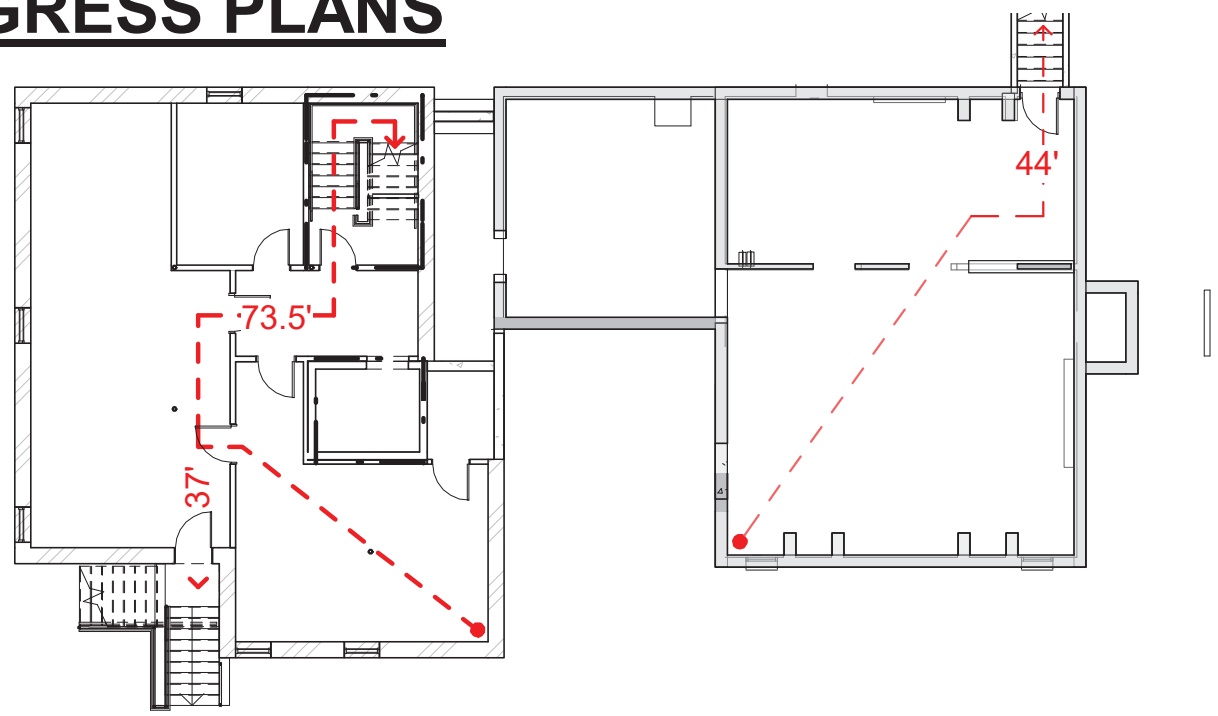
EXIT ACCESS DOORWAY SEPARATION:
SEPARATE 2 EXIT ACCESS DOORWAYS MINIMUM OF 1/3 THE MAXIMUM BUILDING DIAGONAL IN FULLY SPRINKLERED BUILDINGS (IBC 2015, §1007.1.1 2 EXITS OR EXIT ACCESS DOORWAYS, EXCEPTION 2) = 202' / 3 = 67.33' 140.5' - COMPLIES

EXIT TRAVEL DISTANCE: 250' MAX (ASSEMBLY USE, FULLY SPRINKLERED)
(IBC 2015, TABLE 1017.2 EXIT ACCESS TRAVEL DISTANCE)
165' MAX - COMPLIES

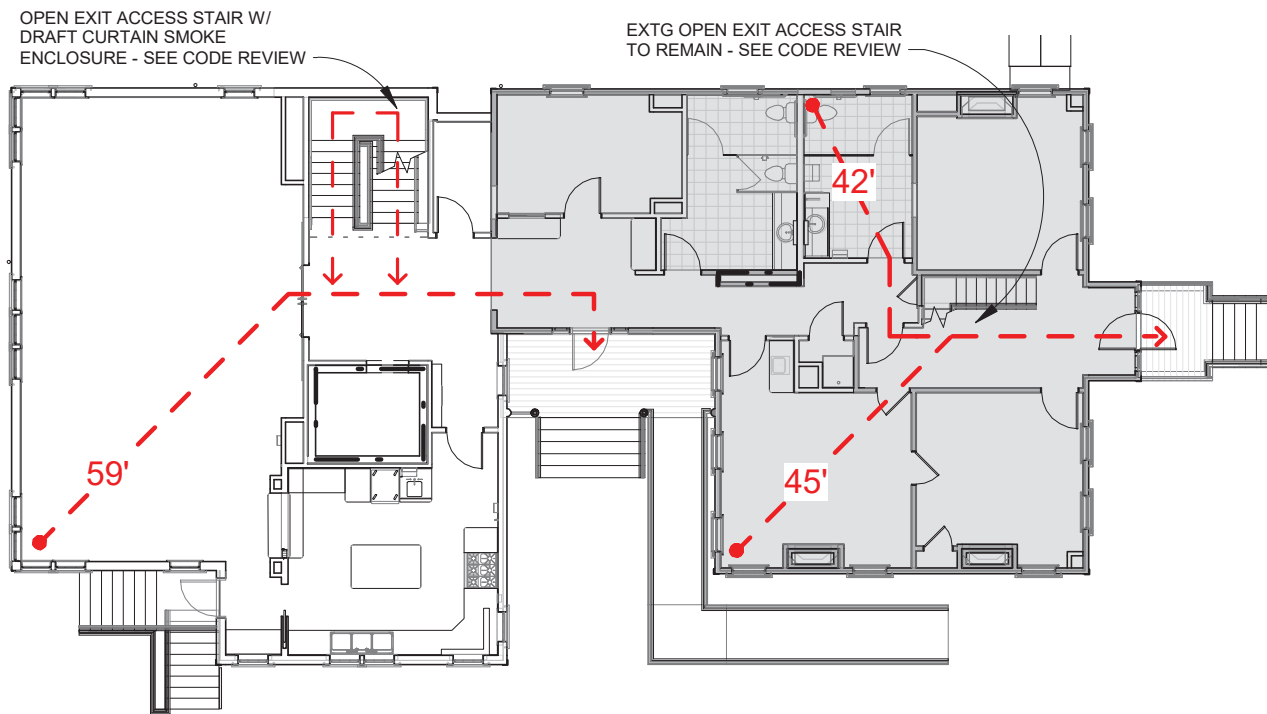
ABBREVIATIONS

Acoustical Ceiling	ACT	Fiberglass	FRP	Opening	OPNG
Adjacent	ADJ	Reinforced Plastic			
Above Finish Floor	AFF	Gypsum Wall Board	GWB	Plumbing	PLUMB
Aluminum	AL	Gypsum	GYP	Plastic Laminate	P.LAM, LAM
Alternate	ALT	Hollow Metal	HM	Pressure Treated	PT
Architectural	ARCH	Height	HT	Painted	PTD
Ceramic Tile	CT	Hand Wash	HW	Paper Towel Dispenser	PT DISP
Board	BD	Inch	IN	Plywood	PLWD
Between	BETW	Interior	INT	Required	REQ, REQ'D
Building	BLDG	Invert	INV	Revision	REV
Bottom Of	BO	Joint	JT	Right Hand	RH
Cabinet	CAB	Lavatory	LAV	Room	RM
Control Joint	CJ	Light Fixture	LF	Rough Opening	RO
Ceiling	CLG	Light Gauge (cold formed) Metal	LGMF	South	S
Clear	CLR	Framing		Section	SECT
Closet	CLR	Left Hand	LH	Square Feet	SF
Closet	CL	Light	LT	Sheet	SHT
Concrete	CONC	LManufacturer	MFR	Similar	SIM
Carpet	CPT	Masonry Opening	MO	Solid Surface	SS
Ceramic Tile	CT	Maximum	MAX	Specified	SPEC'D
Diagonal	DIAG	Mechanical	MECH	Square	SQ
Door	DR	Manufacturer	MFR	A-302	WALL SECTIONS
Door Assembly	DA	Minimum	MIN	A-303	EXTERIOR DETAILS
Dimension	DIM	Miscellaneous	MISC	A-401	INTERIOR STAIR 1
Down	DN	Masonry Opening	MO	A-402	ELEVATOR
Dryer	D	Maximum	MAX	A-403	ELEVATOR DETAILS
Detail	DTL	Mechanical	MECH	A-404	INTERIOR RAMP
Drawing	DWG	Minimum	MIN	A-405	STAIR 2
Each	EACH	Miscellaneous	MISC	A-406	PORCH RAMP AND STAIR 3
East	E	Mounted	MTD	A-407	STAIR 4 AND STAIR 5
Elevation	EL	North	N	A-408	TYPICAL EXTERIOR STAIR DETAILS
Electric (al)	ELEC	Not Applicable	NA	A-501	KITCHEN ENLARGED PLAN & INTERIOR ELEVATIONS
Edge Of Slab	EOS	Not In Contract	NIC	A-502	BATHROOM INTERIOR ELEVATIONS
Electrical Panel	EP	Natural	NL	A-503	INTERIOR DETAILS
Equipment	EQP	Number	NO	A-701	PARTITION TYPES
Existing to Remain	ETR	Nominal	NOIM	A-702	DETAILS - EXTERIOR ENVELOPE
Exterior	EXT	Not To Scale	NTS	A-901	DOOR SCHEDULE & DETAILS
Existing	EXTG	North	N	A-902	WINDOW SCHEDULES & DETAILS
Floor Drain	FD	Not Applicable	NA	A-903	FINISH SCHEDULE
Finished	FIN	Not In Contract	NIC	STRUCTURAL	
Floor	FLR	Number	NO	S-1.0	STRUCTURAL FRAMING PLANS
Face Of	FO	Nominal	NOM	S-2.0	TYPICAL STRUCTURAL DETAILS GENERAL NOTES
Frame	FR	Not To Scale	NTS	FIRE PROTECTION	
Fire Retardant Treated	FRT	On Center	OC	FP-001	FIRE PROTECTION LEGENDS, NOTES & ABBREVIATIONS
Grab Bar	GB	Outside Diameter	OD	FP-002	FIRE PROTECTION DETAILS
General Contractor	GC	Opposite Hand	OPH	FP-003	FIRE PROTECTION DETAILS
Glass	GCL			FP-100	FIRE PROTECTION BASEMENT NEW WORK PLAN
Fire Extinguisher	FEC				
Cabinet					

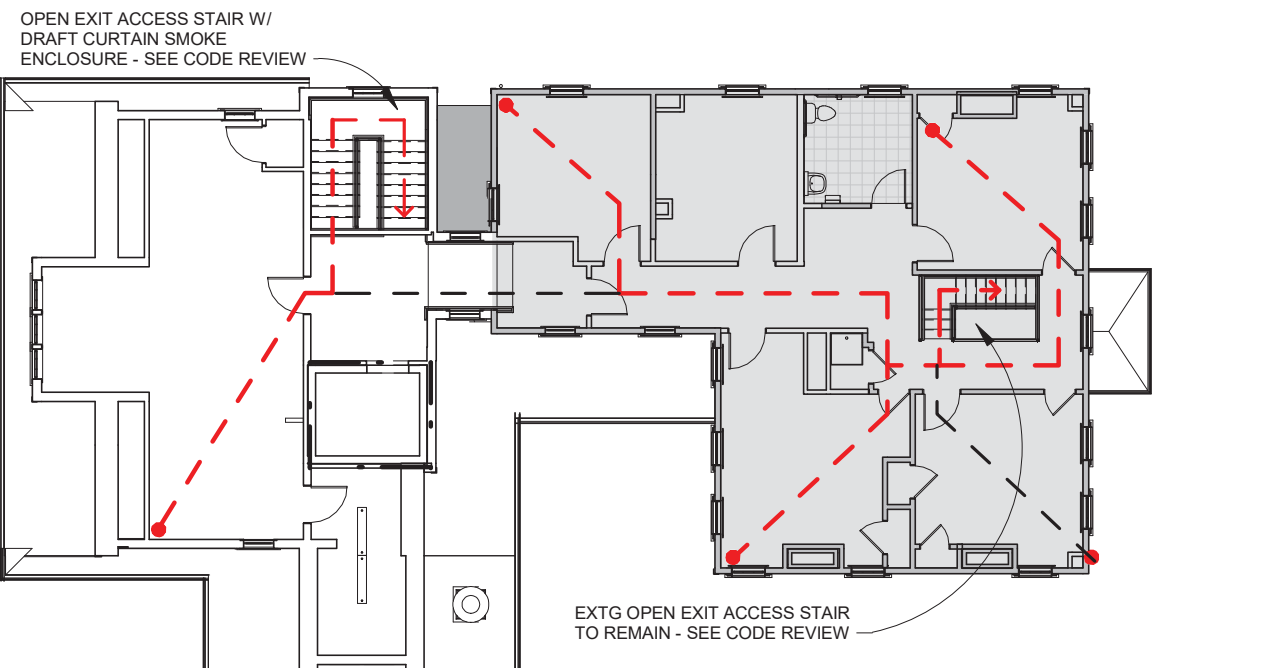
EGRESS PLANS



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



② LIFE SAFETY PLAN FIRST FLOOR
1/16" = 1'-0"



③ LIFE SAFETY PLAN SECOND FLOOR
1/16" = 1'-0"

DRAWING LIST

G-001	TITLE SHEET	FP-101	FIRE PROTECTION FIRST FLOOR NEW WORK PLAN
G-002	CODE SUMMARY, NOTES & DRAWING LIST	FP-102	FIRE PROTECTION SECOND FLOOR NEW WORK PLAN
CIVIL		FP-103	FIRE PROTECTION ATTIC NEW WORK PLAN
C-001	SITE PLAN	PLUMBING	
C-002	EXISTING CONDITIONS & EROSION CONTROL PLAN	P-001	PLUMBING LEGENDS, NOTES & ABBREVIATIONS
C-003	PROPOSED CONDITIONS	P-002	PLUMBING SCHEDULES
C-004	DETAILS	P-003	PLUMBING DETAILS
C-005	DETAILS	P-004	PLUMBING DETAILS
ARCHITECTURAL		P-100	PLUMBING BASEMENT DEMOLITION PLAN
AD-101	EXISTING & SELECTIVE REMOVAL PLANS	P-101	PLUMBING FIRST FLOOR DEMOLITION PLAN
A-100	BASEMENT PLAN	P-102	PLUMBING SECOND FLOOR DEMOLITION PLAN
A-101	FIRST FLOOR PLAN	P-200U	PLUMBING BASEMENT UNDERGROUND NEW WORK PLAN
A-102	SECOND FLOOR PLAN	P-200	PLUMBING BASEMENT NEW WORK PLAN
A-103	ROOF PLAN	P-201	PLUMBING FIRST FLOOR NEW WORK PLAN
A-104	REFLECTED CEILING & LIGHTING PLANS	P-202	PLUMBING SECOND FLOOR NEW WORK PLAN
A-105	REFLECTED CEILING & LIGHTING PLANS	P-203	PLUMBING ROOF NEW WORK PLAN
A-201	EXTERIOR ELEVATIONS	HVAC	
A-202	EXTERIOR ELEVATIONS	H-001	HVAC LEGENDS, NOTES & ABBREVIATIONS
A-301	BUILDING SECTIONS	H-002	HVAC SCHEDULES
A-302	WALL SECTIONS	H-003	HVAC DETAILS
A-303	EXTERIOR DETAILS	H-004	HVAC BOILER PIPING SCHEMATIC
A-401	INTERIOR STAIR 1	H-005	HVAC AIR HANDLING UNIT SCHEMATIC
A-402	ELEVATOR	H-100	HVAC BASEMENT DEMOLITION PLAN
A-403	ELEVATOR DETAILS	H-101	HVAC FIRST FLOOR DEMOLITION PLAN
A-404	INTERIOR RAMP	H-102	HVAC SECOND FLOOR DEMOLITION PLAN
A-405	STAIR 2	H-200	HVAC BASEMENT NEW WORK PLAN
A-406	PORCH RAMP AND STAIR 3	H-201	HVAC FIRST FLOOR NEW WORK PLAN
A-407	STAIR 4 AND STAIR 5	H-202	HVAC SECOND FLOOR NEW WORK PLAN
A-408	TYPICAL EXTERIOR STAIR DETAILS	ELECTRICAL	
A-501	KITCHEN ENLARGED PLAN & INTERIOR ELEVATIONS	E-001	ELECTRICAL LEGENDS, NOTES & ABBREVIATIONS
A-502	BATHROOM INTERIOR ELEVATIONS	E-002	ELECTRICAL SCHEDULES
A-503	INTERIOR DETAILS	E-003	ELECTRICAL SCHEDULES AND DETAILS
A-701	PARTITION TYPES	E-004	ELECTRICAL RISER DIAGRAM
A-702	DETAILS - EXTERIOR ENVELOPE	E-100	ELECTRICAL BASEMENT DEMOLITION PLAN
A-901	DOOR SCHEDULE & DETAILS	E-101	ELECTRICAL FIRST FLOOR DEMOLITION PLAN
A-902	WINDOW SCHEDULES & DETAILS	E-102	ELECTRICAL SECOND FLOOR DEMOLITION PLAN
A-903	FINISH SCHEDULE	E-200	ELECTRICAL BASEMENT NEW WORK PLAN
STRUCTURAL		E-201	ELECTRICAL FIRST FLOOR NEW WORK PLAN
S-1.0	STRUCTURAL FRAMING PLANS	E-202	ELECTRICAL SECOND FLOOR NEW WORK PLAN
S-2.0	TYPICAL STRUCTURAL DETAILS GENERAL NOTES	FIRE ALARM	
FIRE PROTECTION		FA-001	FIRE ALARM LEGEND AND RISER
FP-001	FIRE PROTECTION LEGENDS, NOTES & ABBREVIATIONS	FA-100	FIRE ALARM BASEMENT PLAN
FP-002	FIRE PROTECTION DETAILS	FA-101	FIRE ALARM FIRST FLOOR PLAN
FP-003	FIRE PROTECTION DETAILS	FA-102	FIRE ALARM SECOND FLOOR PLAN
FP-100	FIRE PROTECTION BASEMENT NEW WORK PLAN		

SYMBOLS

⊗

COLUMN LINE DESIGNATION

⊗
X
A-XXX
DRAWING NUMBER
SHEET NUMBER

DETAIL DESIGNATION

⊗
X
A-XXX
DRAWING NUMBER
SHEET NUMBER

BUILDING SECTION DESIGNATION

⊗
X
A-XXX
DRAWING NUMBER
SHEET NUMBER

WALL SECTION DESIGNATION

⊗
X
A-XXX
DRAWING NUMBER
SHEET NUMBER

EXTERIOR ELEVATION DESIGNATION

B
⊗
X
A-XXX
C
DRAWING NUMBER
SHEET NUMBER

INTERIOR ELEVATION DESIGNATION

⊗

WALL TYPE DESIGNATION

⊗

DOOR DESIGNATION

⊗

WINDOW DESIGNATION

GENERAL NOTES

- CONTRACTOR SHALL CROSS REFERENCE THE PROJECT MANUAL WITH THE DRAWINGS AND SHALL NOTIFY THE ARCHITECT OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION
- CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS IN THE FIELD AND SHALL NOTIFY ARCHITECT OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION
- CONTRACTOR TO SUBMIT SHOP DRAWINGS FOR CABINETS FOR REVIEW PRIOR TO ORDERING
- CONTRACTOR SHALL REVIEW PRODUCTS SPECIFIED IN THESE DRAWINGS WITH ARCHITECT PRIOR TO PURCHASING
- CONTRACTOR SHALL COORDINATE THE WORK OF ALL SUBCONTRACTORS AND SHALL IDENTIFY AND RESOLVE WITH THEM ANY POTENTIAL CONFLICTS IN FIXTURE/OUTLET/PIPING LOCATIONS PRIOR TO INSTALLATION
- ALL CONSTRUCTION SHALL CONFORM TO ALL APPLICABLE BUILDING CODES AND STANDARDS. CONTRACTOR IS RESPONSIBLE FOR KNOWING THESE CODES AND SHALL INFORM THE ARCHITECT
- IMMEDIATELY OF ANY POTENTIAL CODE VIOLATIONS. IN THIS INSTANCE, WORK SHALL NOT PROCEED UNTIL ANY AND ALL ISSUES HAVE BEEN RESOLVED
- CONTRACTOR AND ALL SUBCONTRACTORS SHALL SHOW EVIDENCE OF APPROPRIATE LIABILITY AND WORKMAN'S COMPENSATION INSURANCE AT THE OUTSET OF CONSTRUCTION; SHALL MAINTAIN THESE POLICIES FOR THE DURATION OF CONSTRUCTION; AND SHALL SHOW EVIDENCE OF COMPLIANCE WITH APPLICABLE LOCAL AND STATE LICENSING REQUIREMENTS PER THE GENERAL CONTRACT FOR CONSTRUCTION/ CONSTRUCTION DOCUMENTS
- CONTRACTOR SHALL PROVIDE LOCKS AS REQUIRED TO SECURE THE WORK AREA, MATERIALS, STAGING AND BUILDING AS NECESSARY DURING CONSTRUCTION
- CONTRACTOR SHALL LEAVE THE JOB SITE NEAT AND ORDERLY AT THE END OF EACH WORK DAY
- ALL CONSTRUCTION SHALL BE PERFORMED IN A WORKMAN-LIKE MANNER WITH ALL WORK PLUMB AND TRUE
- GC TO NOTIFY THE OWNER/OWNER'S REP WITHIN 24 HOURS TO REPORT ANY TYPE OF DAMAGE, INSURABLE OR OTHERWISE. THE GC WILL BE SOLELY RESPONSIBLE FOR ANY CLAIMS FOR DAMAGE TO THE PREMISES DURING THE CONSTRUCTION PERIOD DUE TO VANDALISM, WEATHER DAMAGE OR OTHERWISE IF DAMAGE IS NOT REPORTED WITHIN 24 HOURS
- CONTRACTOR AND SUBS SHALL BE CONSIDERATE AND RESPECTFUL OF RESIDENTS AT ADJACENT PROPERTIES AND AVOID UNNECESSARY DISTURBANCE
- ALL WORK TO COMPLY WITH MANUFACTURER'S RECOMMENDATIONS AND SPECIFICATIONS. ANY DISCREPANCIES BETWEEN MANUFACTURER'S INSTALLATION INSTRUCTIONS AND THE
- DRAWINGS/PROJECT MANUAL SHALL BE BROUGHT TO THE ARCHITECT'S ATTENTION IMMEDIATELY
- THE DRAWINGS ARE NOT THE SOLE SOURCE OF INFORMATION FOR THIS PROJECT. CONTRACTOR SHALL BE FAMILIAR WITH ALL DRAWINGS, THE PROJECT MANUAL, DETAILS, AND SCHEDULES. ANY
- DISCREPANCIES SHALL BE BROUGHT TO THE ARCHITECT'S ATTENTION IMMEDIATELY
- CONTRACTOR SHALL NOTIFY ARCHITECT IMMEDIATELY IF HIDDEN EXISTING CONDITIONS REQUIRE DESIGN MODIFICATIONS
- ALL MANUFACTURES ARTICLES, MATERIAL AND EQUIPMENT SHALL BE APPLIED, INSTALLED, CONNECTED, ERECTED, USED, CLEANED AND CONDITIONED AS DIRECTED BY THE MANUFACTURER UNLESS OTHERWISE NOTED
- THE WORK SHALL INCLUDE APPLYING FOR, PAYING FOR AND OBTAINING ALL APPROVALS, PERMITS, INSPECTION AND CERTIFICATES REQUIRED FOR THE COMPLETION OF THE PROJECT.
- ANY LOCAL, STATE, UTILITY OR OTHER CREDITS FOR THE PROJECT ARE TO BE CREDITED TO THE OWNER
- NO DEVIATIONS FROM THE WORK SHOWN OR REASONABLY IMPLIED SHALL BE UNDERTAKEN WITHOUT THE ARCHITECT'S WRITTEN CONSENT
- BEFORE ORDERING MATERIAL OR CONNECTING WORK WHICH IS DEPENDENT ON PROPER SIZE AND INSTALLATION UPON COORDINATION WITH EXISTING BUILDING CONDITIONS, CONTRACTOR SHALL VERIFY ALL DIMENSIONS BY TAKING MEASUREMENTS AT THE BUILDING SITE AND SHALL BE RESPONSIBLE FOR THEIR CORRECTNESS. THE CONTRACTOR SHALL VERIFY ALL SIZES AND QUANTITIES PRIOR TO ORDERING MATERIALS
- ALL SUBCONTRACTORS AND MATERIAL SUPPLIERS SHALL USE COMPLETE SET OF CONSTRUCTION DOCUMENTS WHEN PREPARING THEIR BIDS, COORDINATING THEIR WORK, AND THROUGH FINAL EXECUTION OF THEIR WORK
- CONTRACTOR TO COORDINATE SEQUENCING WITH THE OWNER PRIOR TO COMMENCING WORK
- ANY MODIFICATIONS TO THE DRAWINGS OR SPECIFICATION WITHOUT THE APPROVAL OF WINSLOW ARCHITECTS IS TO BE RENDERED VOID AND UNUSABLE
- ALL FRAMING TO BE INSTALLING IN ACCORDANCE WITH THE MA BUILDING CODE
- ALL NAILS, FASTENERS, AND CONNECTORS EXPOSED TO WEATHER SHALL BE HOT-DIPPED GALVANIZED. IF ACQ OR ACZA PRESERVATIVE IS USED, THEN ALL CONNECTORS ARE TO BE STAINLESS STEEL
- ALL DOORS 8 INCHES OFF WALL UNLESS OTHERWISE NOTED
- ALL INTERIOR WALL TYPES TO BE TYPE 1 UNLESS OTHER WISE NOTED.

Date issued:

7/6/18



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Owner/Developer:

TOWN OF
HALIFAX, MA

Project:

ADDITION /
RENOVATION -
POPE'S
TAVERN,
HALIFAX, MA

Drawing:

CODE
SUMMARY,
NOTES &
DRAWING
LIST

CONSTRUCTION DOCUMENTS

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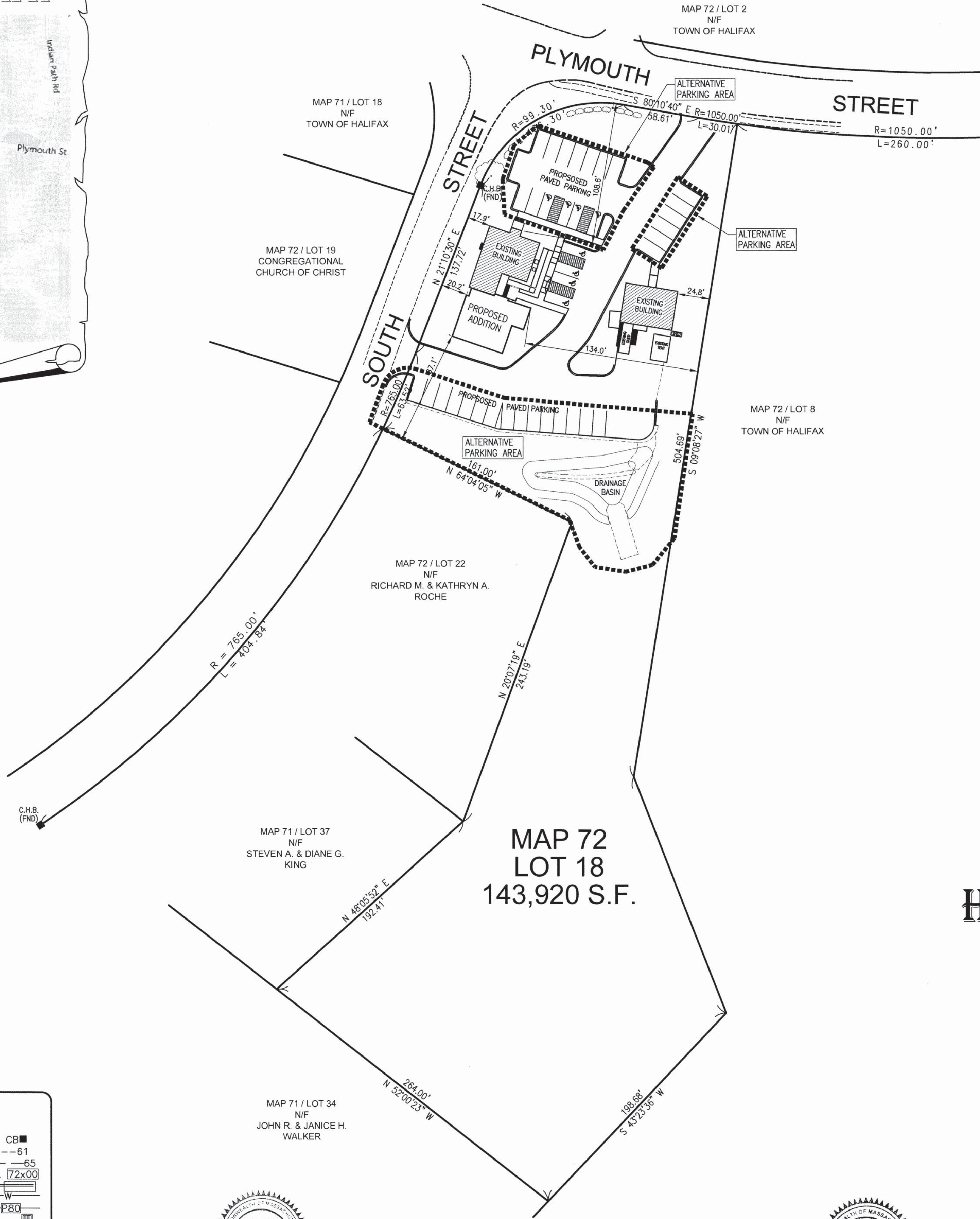
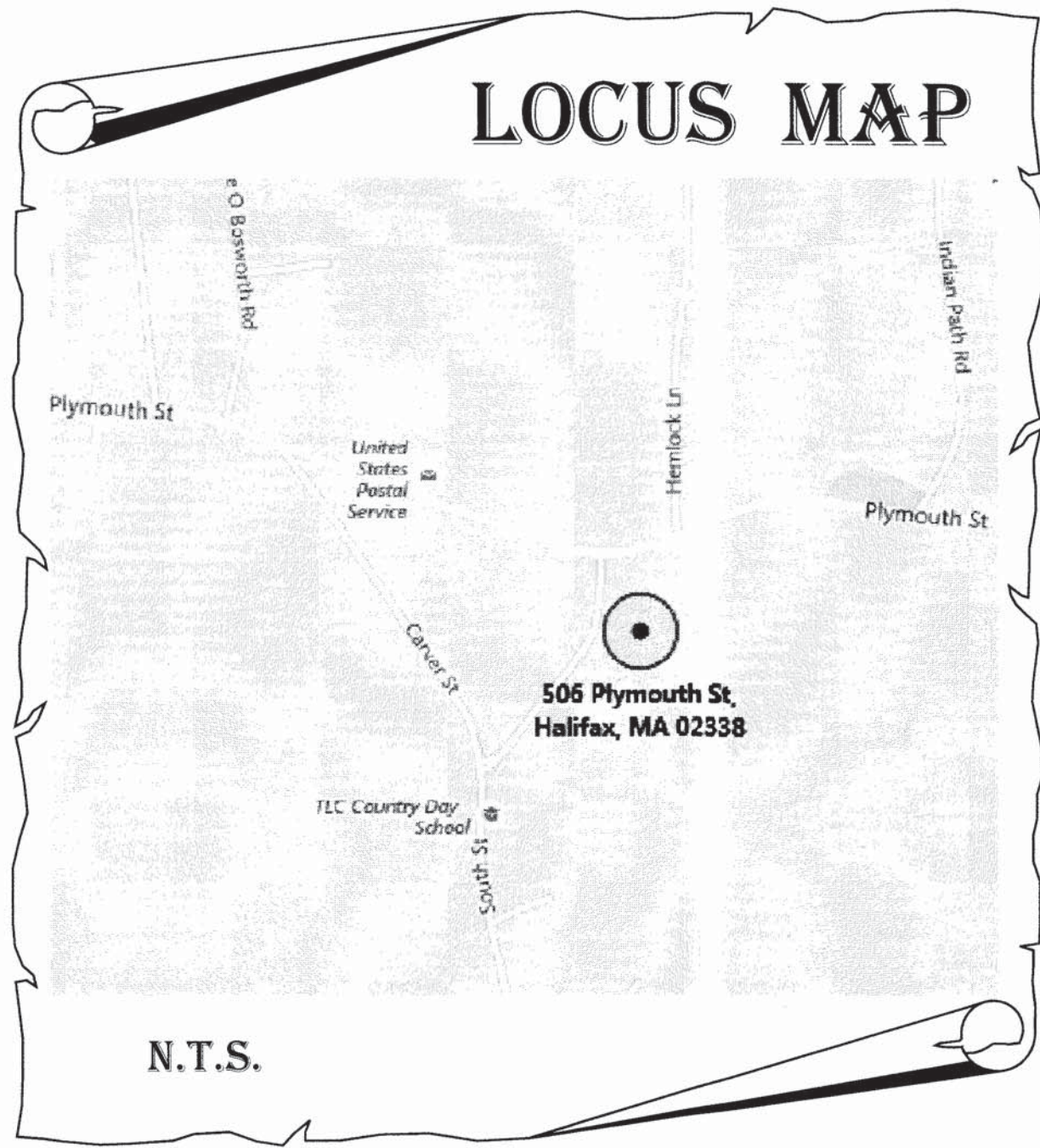
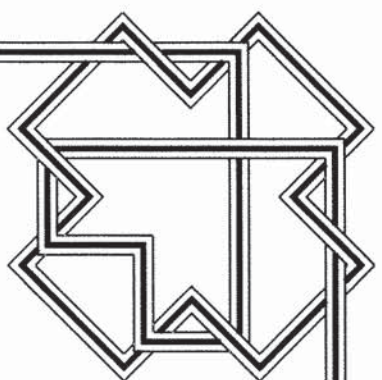
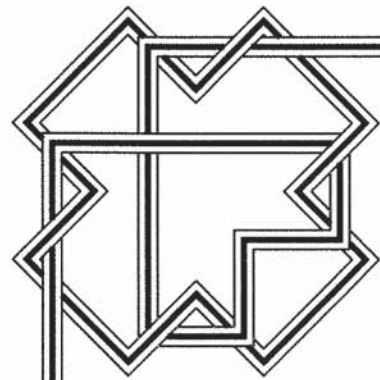
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G-002

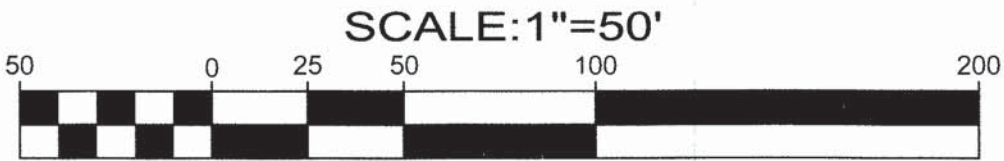


ZONING INTENSITY SCHEDULE							
DISTRICT	MIN. LOT AREA IN SQUARE FEET	MAX. HEIGHT DIM. FEET	MAX. LOT COVERAGE BY BLDG. IN % (2)	MIN. OPEN SPACE IN %	MINIMUM YARD SIZE		
					SIDE YARD IN FEET	REAR YARD IN FEET	FRONT YARD IN FEET
AGRICULTURAL- RESIDENTIAL	40,000	150	40	25	30	40	50
EXISTING / PROPOSED CONDITIONS							
AGRICULTURAL- RESIDENTIAL	143,920	235	30	2.40	80.79	87.1	EXISTING 17.9 (SOUTH ST) 108.6 (PLYMOUTH) PROPOSED 20.3 (SOUTH ST) 159.8 (PLYMOUTH)

- NOTES:
- LOCUS IS SHOWN AS LOT 72 ON MAP 18 OF THE TOWN OF HALIFAX ASSESSORS PLANS.
 - RECORD OWNER: TOWN OF HALIFAX
 - LOT SIZE: 143,920 S.F. (3.304 ACRES)
 - ZONING: AGRICULTURAL-RESIDENTIAL
 - PROPOSED BUILDING ADDITION SIZE: 1,680 S.F.
 - PROPOSED USE: SENIOR CENTER
 - SOIL TYPE: SOIL GROUP A (253C-HINCKLEY LOAMY SAND)
 - EXISTING VEGETATION IS LAWN WITH SOME WOODS AT EDGE
 - PROPOSED PLANTINGS SHALL BE JUNIPERS, AND YEW, 3 GALLON SIZE, AND MAINTAINED BY OWNER. ALL OTHER VEGETATION TO REMAIN NATURAL.
 - PROPOSED SITE LIGHTING TO BE DIRECTED AWAY FROM ABUTTING PROPERTIES AND STREETS.
 - PARKING CRITERIA:
167-14 G.
1 SPACE FOR EACH 2 EMPLOYEES AND 1 SPACE FOR TWO SEATS FOR PATRON USE FOR PLACES OF ASSEMBLY
4 EMPLOYEES AND 64 SEATS
TOTAL SPACES REQUIRED = 33 SPACES REQUIRED
PROPOSED PARKING SPACES = 39 PARKING SPACES PROVIDED

HALIFAX, MASSACHUSETTS

PREPARED FOR
THE TOWN OF HALIFAX
WEBBY ENGINEERING ASSOCIATES, INC.
CIVIL ENGINEERS & LAND SURVEYORS
180 COUNTY ROAD, PLYMPTON MA. 02367
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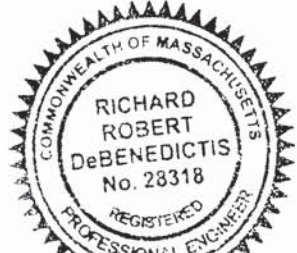


REVISIONS		SCALE: 1" = 50'
DATE	DESCRIPTION	DATE: 3/27/18
		DRAWN BY: GTH
		JOB NO.: W-5550
		SHEET NO.: 1
		OF 4 SHEETS

LEGEND	
CONCRETE BOUND.....	CB ■
EXIST. 2' CONTOUR	61 --- 61
EXIST. 10' CONTOUR	65 --- 65
PROP. SPOT GRADE	72x00
CAPE COD BERM	W
PROP. WATER LINE	W
PROP. CONTOUR	280
PROP. CATCHBASIN	■
PROP. DRAIN MANHOLE	■
TRAFFIC FLOW ARROW	→
OUTDOOR LIGHTING ON BUILDING.....	⊙
EXISTING UTILITY POLE	UP#-○
EXISTING TREE LINE	—
PROPOSED FENCE LINE	—



REGISTERED LAND SURVEYOR
DATE 5/2/19



REGISTERED PROFESSIONAL ENGINEER
DATE 5/7/2018

Date issued:

7/6/18



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ARLINGTON, MA 02474
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Consultant:

Owner/Developer:

Project:

ADDITION /
RENOVATION -
POPE'S
TAVERN,
HALIFAX, MA

Drawing:

SITE PLAN

CONSTRUCTION DOCUMENTS

Revisions:		
No.	Description	Date

Stamp:

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Project number:

16-514

Sheet:

C-001



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ADDITION /
RENOVATION -
POPE'S
TAVERN,
HALIFAX, MA

Drawing:

EXISTING
CONDITIONS
& EROSION
CONTROL
PLAN

CONSTRUCTION DOCUMENTS

Revisions:

No.	Description	Date

Stamp:

Project number:

16-514

Sheet:

C-002

NOTES:

- 1.) ALL UTILITY LOCATIONS MUST BE VERIFIED PRIOR TO ANY CONSTRUCTION ACTIVITY.
- 2.) ALL DISTURBED AREAS SHALL BE STABILIZED AS SOON AS POSSIBLE (SEE EROSION CONTROL NOTES BELOW).
- 3.) SEWAGE DISPOSAL FOR SITE WILL BE VIA ON-SITE SEPTIC SYSTEM.
- 4.) TREE STUMPS SHALL BE REMOVED FROM THE SITE AND DISPOSED OF AT A D.E.P. APPROVED FACILITY.

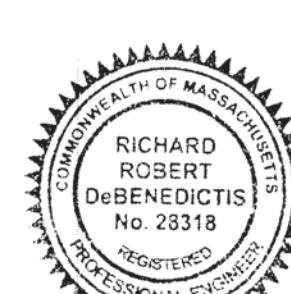
EROSION CONTROL NOTES:

- 1.) THE SITE CONTRACTOR IS RESPONSIBLE FOR ESTABLISHING AND MAINTAINING SUITABLE EROSION AND SEDIMENTATION CONTROL DEVICES ON SITE DURING CONSTRUCTION AS REQUIRED, TO PREVENT SILT FROM LEAVING THE SITE. SILT WILL NOT BE ALLOWED BEYOND CONSTRUCTION LIMITS.
- 2.) EROSION CONTROL MEASURES SHALL BE MAINTAINED AT ALL TIMES. CONTRACTOR IS RESPONSIBLE FOR REPAIRING OR REPLACING EROSION CONTROL DEVICES WHICH BECOME INEFFECTIVE.
- 3.) CONTRACTOR SHALL OBTAIN ALL PERMITS FOR ALL GRADING AND OTHER LAND DISTURBING ACTIVITIES PRIOR TO CONSTRUCTION.
- 4.) THE CONTRACTOR IS RESPONSIBLE FOR THE CLEANUP AND REMOVAL OF ANY BUILDUP OF SEDIMENT WHICH ESCAPES FROM THE SITE. CONTRACTOR IS RESPONSIBLE FOR CLEANING SILT AND DEBRIS OUT OF ALL STORM DRAINAGE STRUCTURES UPON THE COMPLETION OF CONSTRUCTION.
- 5.) THE CONTRACTOR IS RESPONSIBLE FOR REMOVING ALL TEMPORARY EROSION CONTROL MEASURES AFTER CONSTRUCTION IS COMPLETE AND ALL DISTURBED AREAS HAVE BEEN STABILIZED.
- 6.) THE CONTRACTOR SHALL PROVIDE TEMPORARY GROUND COVER FOR ALL AREAS WITH EXPOSED SOIL WHICH WILL NOT BE DISTURBED BY GRADING OPERATIONS FOR A PERIOD OF THIRTY DAYS OR MORE.
IF THE PROJECT IS SUSPENDED FOR ANY REASON, THE CONTRACTOR SHALL MAINTAIN THE SOIL EROSION AND SEDIMENTATION FACILITIES.
- 7.) SPRINKLE OR APPLY DUST SUPPRESSORS TO KEEP DUST LIMITED AT THE CONSTRUCTION SITE.
- 8.) TOPSOIL SHALL BE STRIPPED FROM ALL AREAS OF CONSTRUCTION AND STOCKPILED ON SITE. DO NOT REMOVE ANY TOPSOIL FROM SITE WITHOUT WRITTEN PERMISSION OF THE OWNER. TOPSOIL SHALL NOT BE STRIPPED FROM ANY AREA UNTIL IMMEDIATELY PRIOR TO THE EARTHWORK BEING PERFORMED.
- 9.) STOCKPILES SHALL BE SURROUNDED ON THEIR PERIMETERS WITH SILT FENCE TO PREVENT AND CONTROL SILTATION AND EROSION.



REGISTERED LAND SURVEYOR

5/7/18
DATE

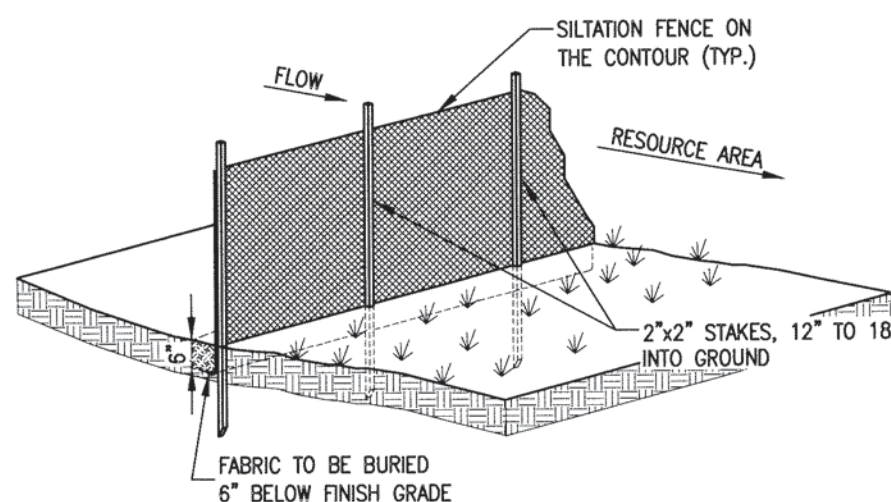


REGISTERED PROFESSIONAL ENGINEER

5/7/2018
DATE

HALIFAX, MASSACHUSETTS

PREPARED FOR
THE TOWN OF HALIFAX
WEBBY ENGINEERING ASSOCIATES, INC.
CIVIL ENGINEERS & LAND SURVEYORS
180 COUNTY ROAD, PLYMPTON MA. 02367
Tel.: (781)-585-1164



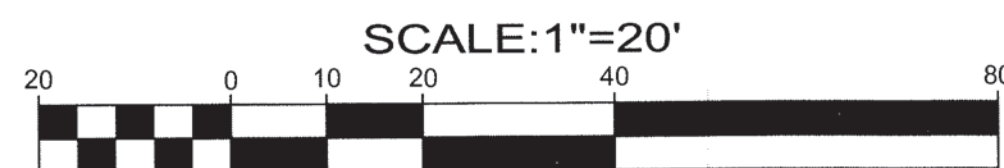
NOTES:

1. EROSION CONTROL DEVICES ARE TO BE PLACED PRIOR TO CONSTRUCTION AND ARE TO REMAIN IN PLACE UNTIL ALL CONSTRUCTION IS COMPLETED AND NEW SLOPES HAVE BEEN STABILIZED.
2. EROSION CONTROL DEVICES SHALL BE PLACED IN A ROW AND EMBEDDED IN THE SOIL A MINIMUM 6".
3. SILTATION FENCES SHALL BE SECURITY ANCHORED IN PLACE BY STAKES.

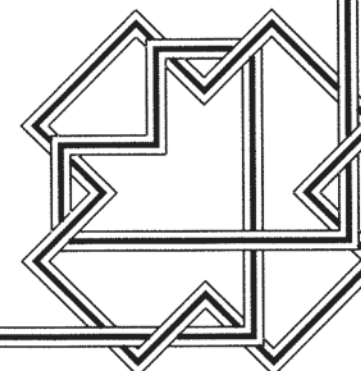
SILT FENCE

EROSION CONTROL MEASURES

(NOT TO SCALE)

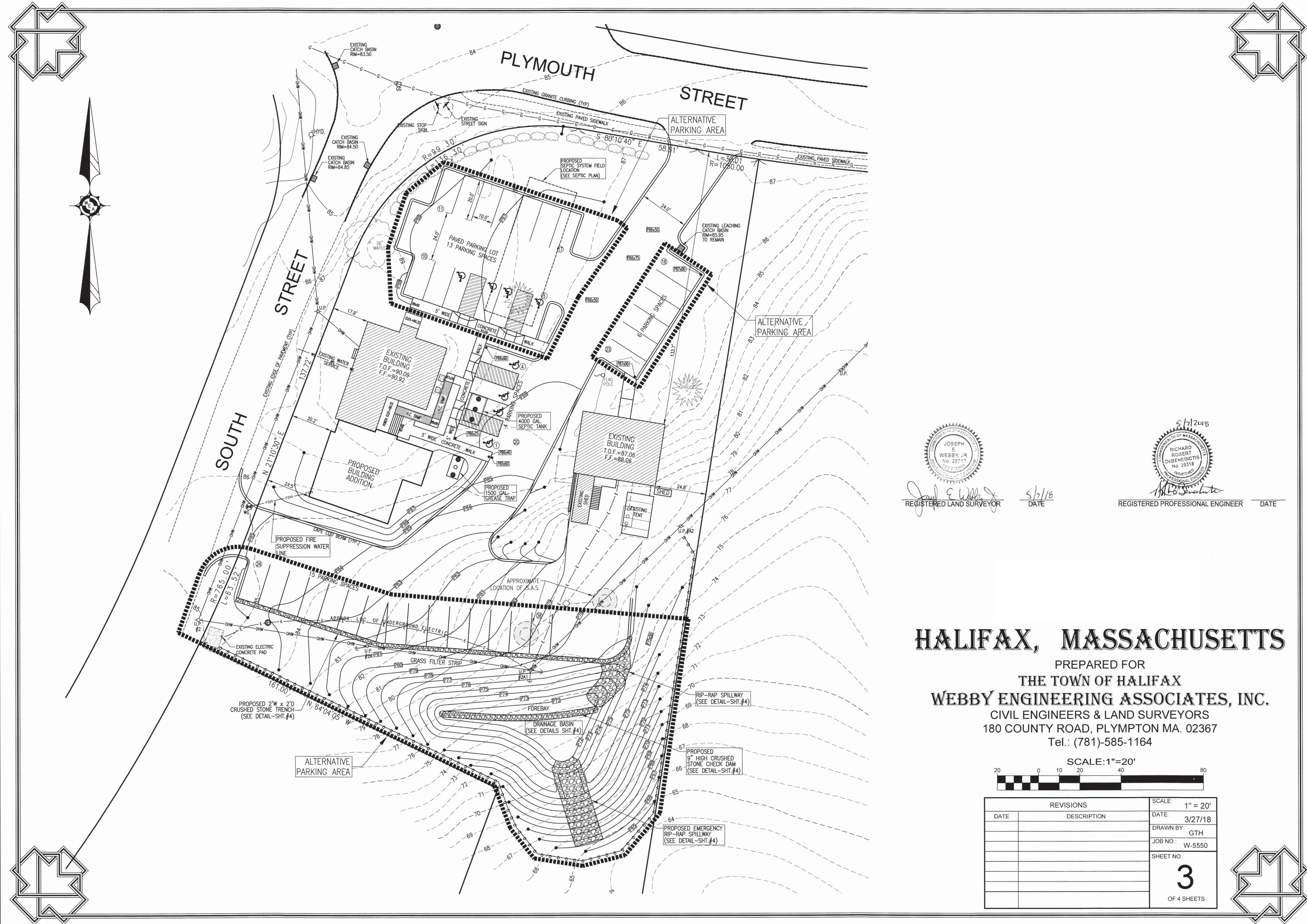


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DATE	DESCRIPTION	DATE: 3/27/18
		DRAWN BY: GTH
		JOB NO.: WV-5550
		SHEET NO.: 2
		OF 4 SHEETS



LEGEND

CONCRETE BOUND.....	CB
EXIST. 2' CONTOUR	61
EXIST. 10' CONTOUR	65
PROP. SPOT GRADE	72x00
CAPE COD BERM	W
PROP. WATER LINE	P80
PROP. CONTOUR	P80
PROP. CATCHBASIN	CB
PROP. DRAIN MANHOLE	DM
TRAFFIC FLOW ARROW	→
OUTDOOR LIGHTING ON BUILDING.....	UL
EXISTING UTILITY POLE	UP
EXISTING TREE LINE	TL
PROPOSED FENCE LINE	FL



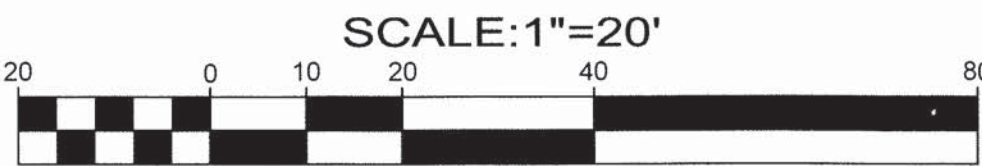
JOSEPH E. WEBBY JR.
No. 28717
REGISTERED LAND SURVEYOR

5/2/18
DATE

5/7/2018
RICHARD ROBERT OBENEDECTIS
No. 23318
REGISTERED PROFESSIONAL ENGINEER

DATE

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DATE	DESCRIPTION	DATE: 3/27/18
		DRAWN BY: GTH
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		SHEET NO.: 3
		OF 4 SHEETS

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PROPOSED
CONDITIONS

CONSTRUCTION DOCUMENTS

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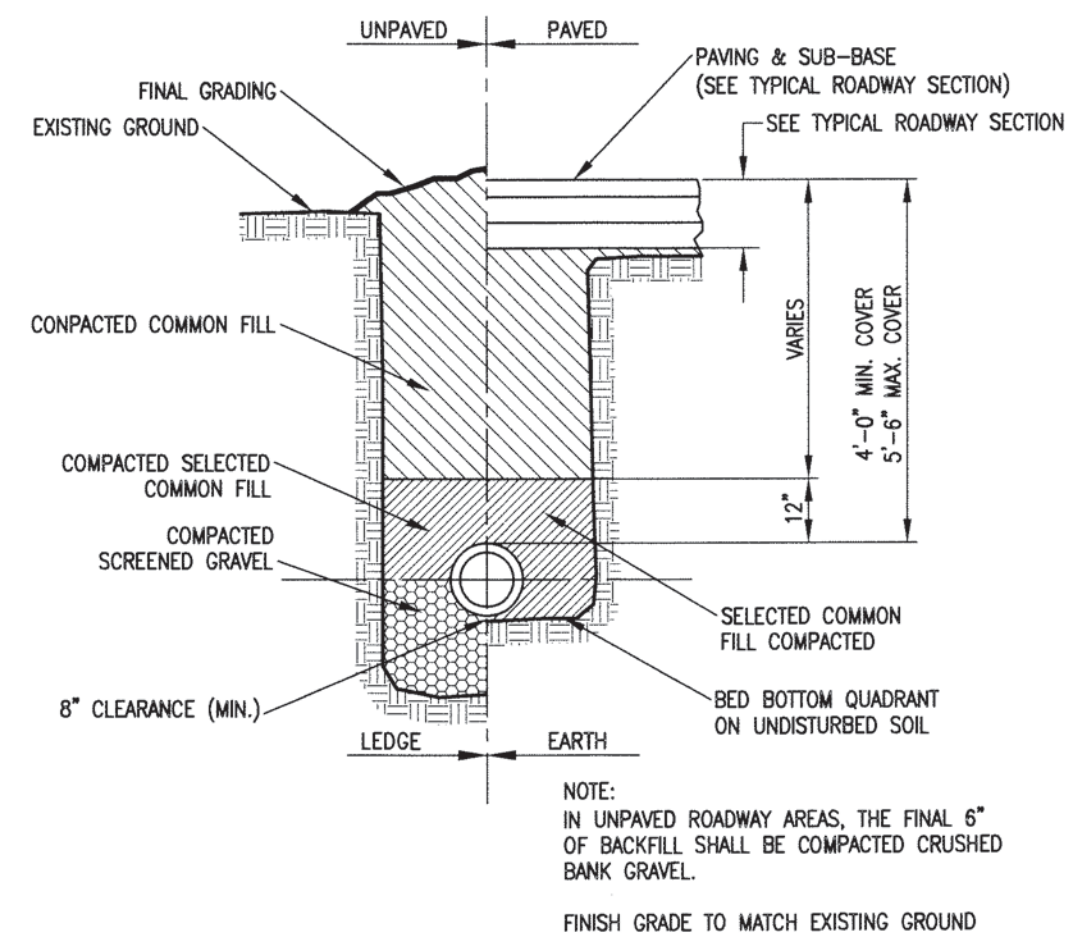
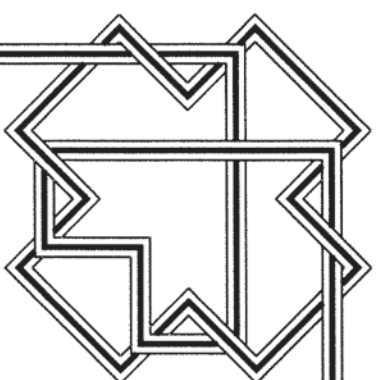
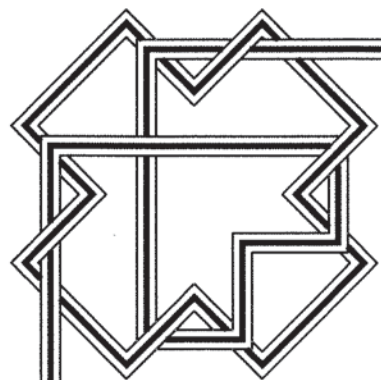
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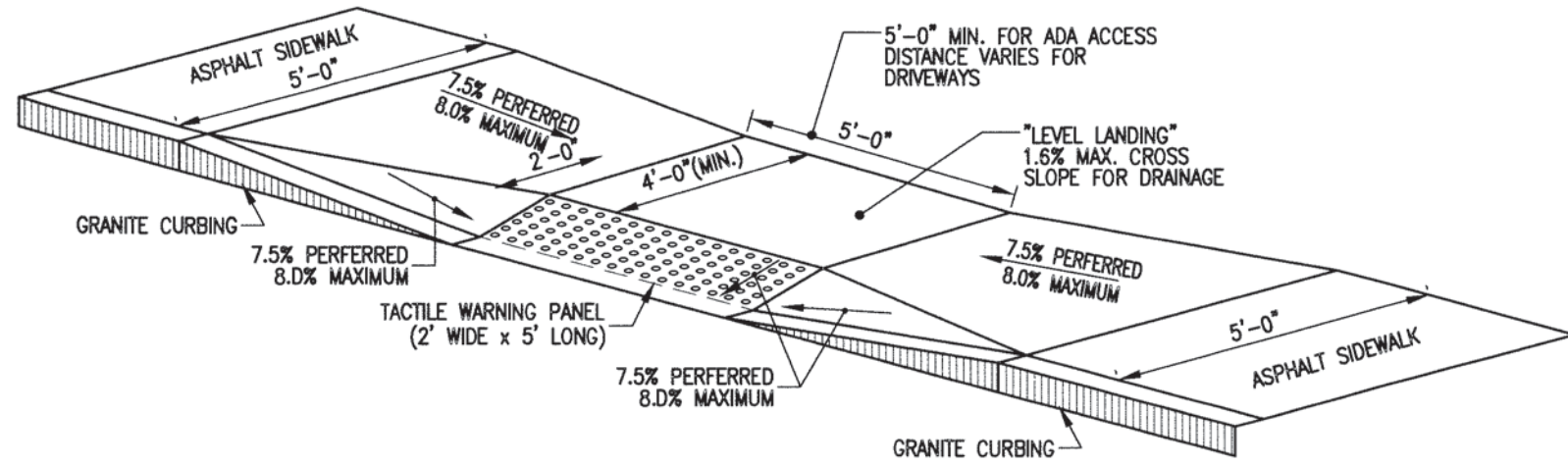
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Sheet:

C-003



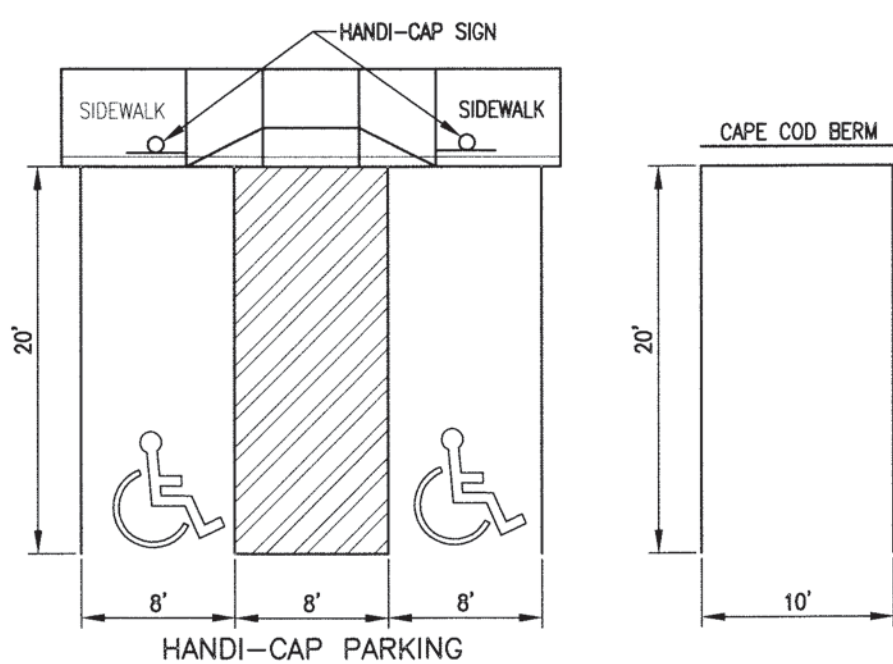
WATER TRENCH DETAIL
(NOT TO SCALE)



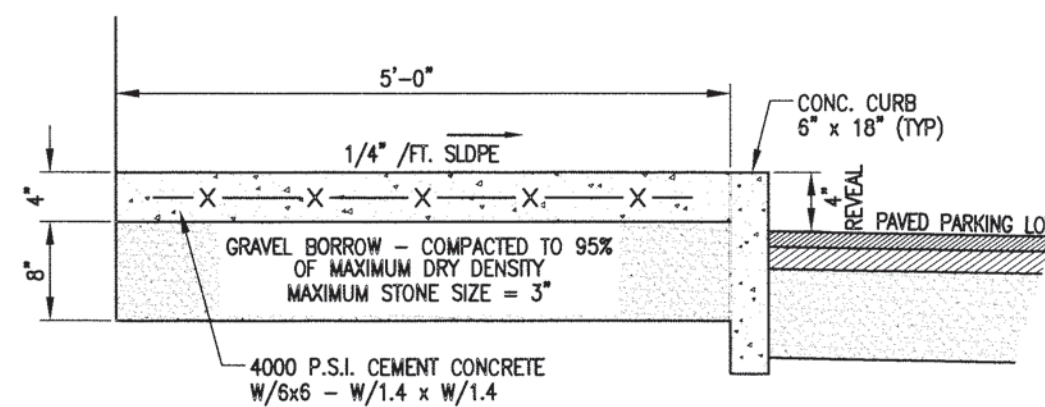
ADA ACCESS AT CROSSWALKS DETAIL

- WHEEL CHAIR RAMP NOTES:
- 1.) SIDEWALK CROSS SLOPES, AS INDICATED IN STANDARD SPECIFICATIONS, WILL BE AT 1.6%-1.5% PERFERRED FOR BRICK, CEMENT AND BITUMINUS CONCRETE WITH EXCEPTION ONLY TO SIDEWALK CROSS SLOPE ON BRIDGES WHICH WILL BE 1.0% (REFER TO STANDARD SPECIFICATIONS FOR HIGHWAYS AND BRIDGES, SECTION 700). IN NO INSTANCE SHALL THE SIDEWALK CROSS SLOPE EXCEED 2%.
 - 2.) AN UNOBSTRUCTED PATH OF TRAVEL WITH A MINIMUM WIDTH OF 3' SHALL BE MAINTAINED. THE DESIRABLE WIDTH IS 3'-4'.
 - 3.) THE WHEEL CHAIR RAMP SLOPE AND SIDE SLOPES (TRANSITIONS) MUST NOT EXCEED 1:12 (8.3%). HOWEVER, THESE SLOPES MAY BE FLATTER THAN 1:12 WHEN WARRANTED BY SURROUNDING CONDITIONS.
 - 4.) WHERE THE ROAD PROFILE EXCEEDS 5%, THE HIGH SIDE CURB TRANSITION LENGTH SHALL BE 14'-9\"/>

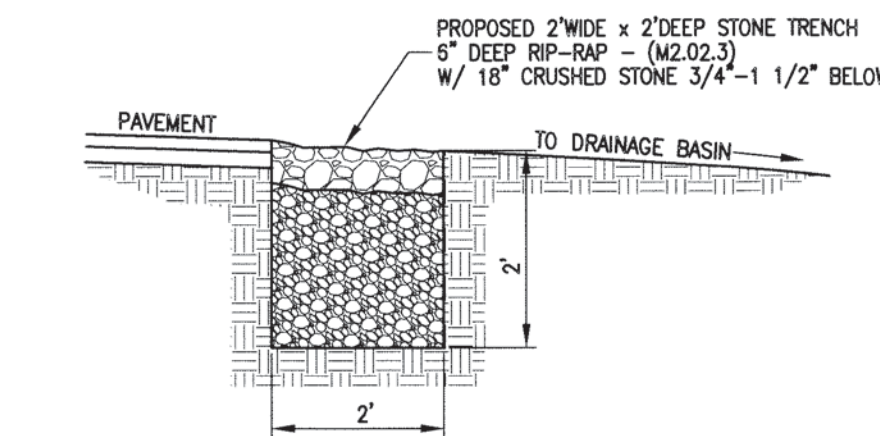
WHEEL CHAIR RAMP DETAIL



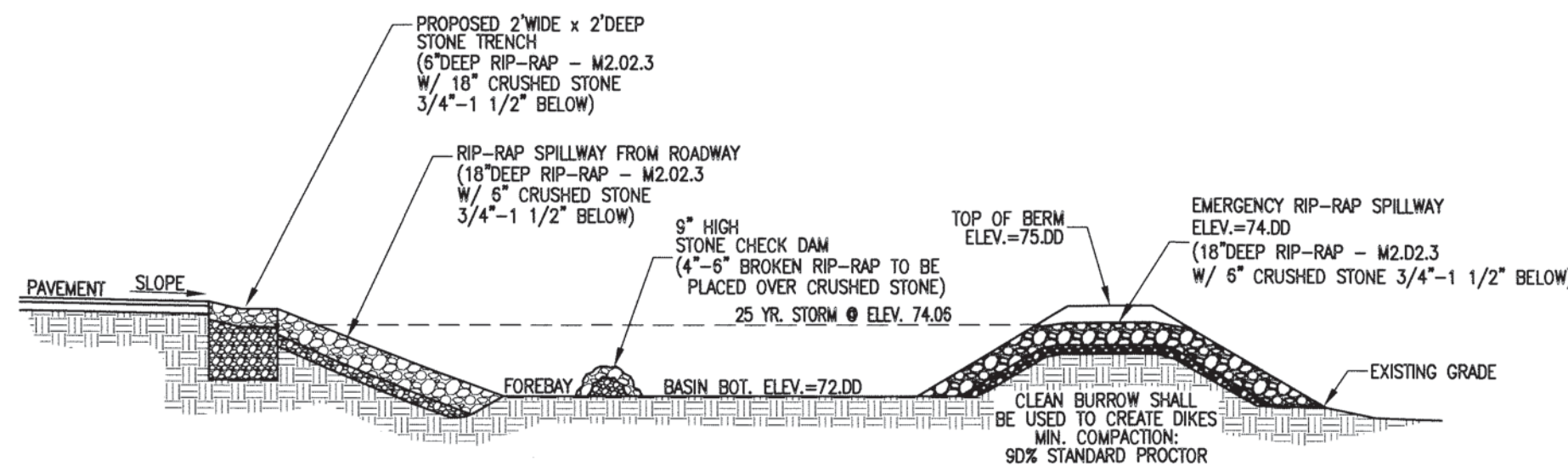
PARKING SPACE DETAILS
(NOT TO SCALE)



TYPICAL CONCRETE WALK CROSS-SECTION
(NOT TO SCALE)



STONE TRENCH CROSS SECTION DETAIL
(NOT TO SCALE)



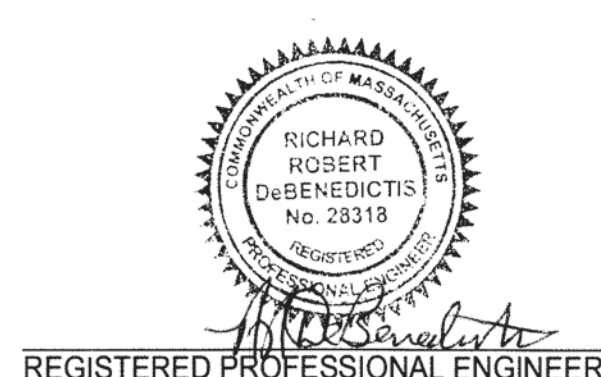
DRAINAGE BASIN #1A THRU SECTION
(NOT TO SCALE)

SEDIMENT FOREBAY MAINTENANCE SCHEDULE	
ACTIVITY	FREQUENCY
INSPECT SEDIMENT FOREBAY	MONTHLY
CLEAN SEDIMENT FOREBAY	FOUR TIMES A YEAR

INFILTRATION BASIN MAINTENANCE SCHEDULE	
ACTIVITY	FREQUENCY
PREVENTIVE MAINTENANCE	TWICE A YEAR
INSPECT TO ENSURE PROPER FUNCTIONING	AFTER EVERY MAJOR STORM DURING FIRST 3 MONTHS OF OPERATION AND TWICE A YEAR THEREAFTER AND WHEN THERE ARE DISCHARGES THROUGH THE SPILLWAY
MOW THE BUFFER AREA, SIDE SLOPES AND BASIN BOTTOM, REMOVE TRASH AND DEBRIS, REMOVE GRASS CLIPPINGS AND ACCUMULATED ORGANIC MATTER	TWICE A YEAR



5/6/18
DATE



5/1/2018
DATE

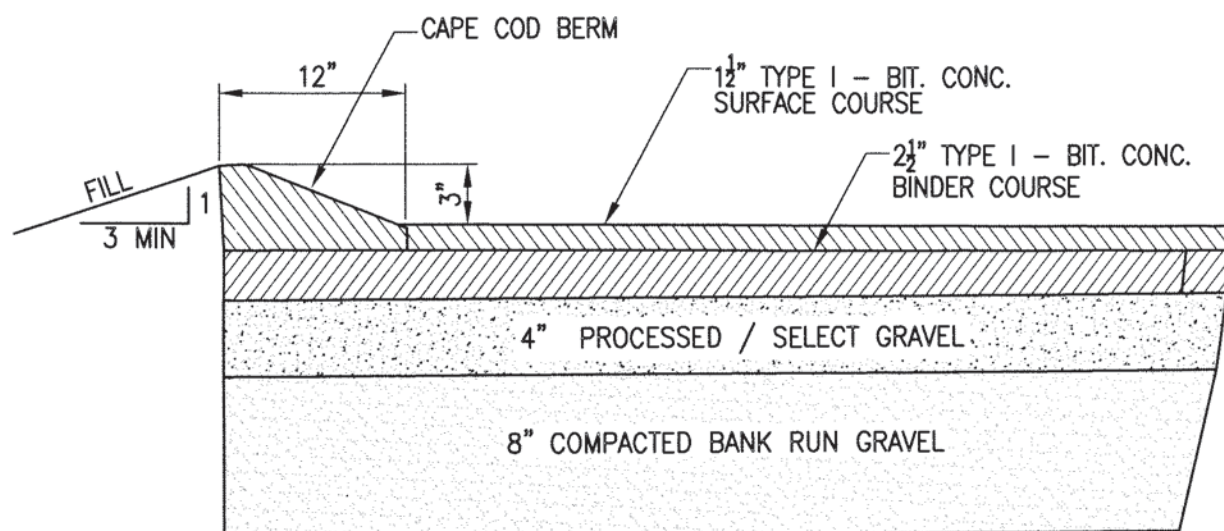
HALIFAX, MASSACHUSETTS

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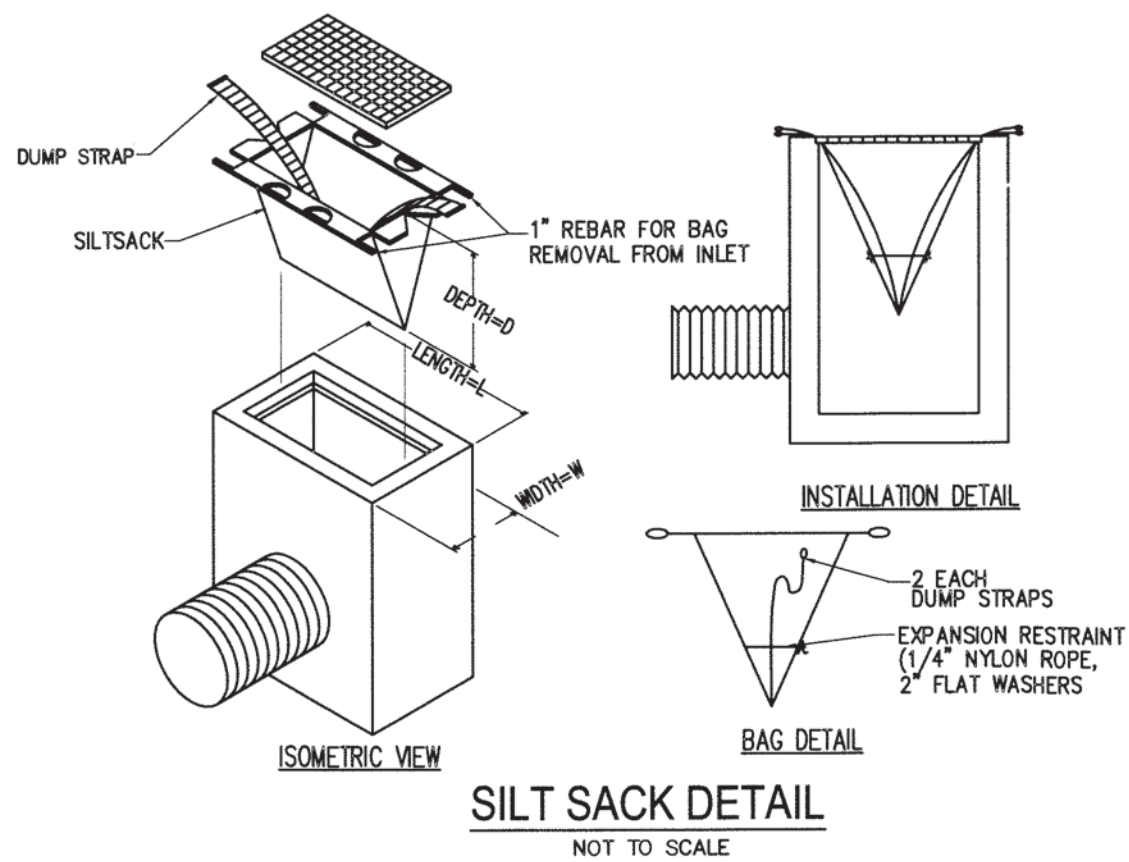


REVISIONS		SCALE: 1"=20'
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		DRAWN BY: GTH
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		SHEET NO.: 4
		OF 4 SHEETS

- BASIN CONSTRUCTION NOTES:
- 1.) BASIN AREA TO BE ROPED / FENCED OFF PRIOR TO CONSTRUCTION OF SITE.
 - 2.) INFILTRATION BASIN IS NOT TO BE USED AS A TEMPORARY SEDIMENT TRAP FOR ANY CONSTRUCTION ACTIVITY.
 - 3.) USE ONLY LIGHT EARTH-MOVING EQUIPMENT TO EXCAVATE THE INFILTRAION BASIN AREA.
 - 4.) STABILIZE THE BOTTOM AND SIDE SLOPES OF THE BASIN WITH LOW MAINTENANCE, RAPIDLY GERMINATING GRASSES (SUCH AS FESCUES).
 - 5.) BASIN IS TO BE KEPT ROPED/FENCED OFF WHILE CONSTRUCTION PROCEEDS ON OTHER PARTS OF THE SITE.
 - 6.) NO DRAINAGE RUNOFF IS TO BE DIRECTED INTO BASIN UNTIL CONSTRUCTION IS COMPLETED AND THE BOTTOM AND SIDE SLOPES ARE FULLY STABILIZED.



TYPICAL PAVEMENT CROSS-SECTION
(NOT TO SCALE)



SILT SACK DETAIL
(NOT TO SCALE)

NOTES:

- 1.) ALL UTILITY LOCATIONS MUST BE VERIFIED PRIOR TO ANY CONSTRUCTION ACTIVITY.
- 2.) ALL DISTURBED AREAS SHALL BE STABILIZED AS SOON AS POSSIBLE (SEE EROSION CONTROL NOTES BELOW).
- 3.) SEWAGE DISPOSAL FOR SITE WILL BE VIA ON-SITE SEPTIC SYSTEM.
- 4.) TREE STUMPS SHALL BE REMOVED FROM THE SITE AND DISPOSED OF AT A D.E.P. APPROVED FACILITY.

EROSION CONTROL:

- 1.) ALL CUT AND FILL AREAS, AND DRAINAGE EASEMENTS ARE TO BE BROUGHT TO FINISH GRADE WITH A MINIMUM OF 4" OF COMPACTED LOAM, SEEDED WITH A MIXTURE OF ANNUAL RYEGRASSES AND PERENIAL GRASSES, AND MAINTAINED UNTIL VEGETATION STABILIZES THESE AREAS.
- 2.) HAY, MULCH, OR OTHER SUITABLE EROSION PROTECTION, SHALL BE UTILIZED ON ALL EXPOSED SLOPES.
- 3.) ALL FINISHED SLOPES SHALL BE A MINIMUM OF 3' HORIZONTAL TO 1' VERTICAL.

CONSTRUCTION SEQUENCE:

- 1.) INSTALL EROSION CONTROL MEASURES.
- 2.) CLEAR AND GRUB CONSTRUCTION SITE.
- 3.) EXCAVATE BASIN AREAS.
- 4.) DIRECT ALL RUNOFF AWAY FROM INFILTRATION BASINS UNTIL BASINS ARE FULLY STABILIZED.
- 5.) BRING CUT AND FILL AREAS TO SUBGRADE.
- 6.) CONSTRUCT NEW ADDITION TO BUILDING.
- 7.) INSTALL UTILITIES (I.E. DRAIN, WATER, ELECTRICAL ETC.)
- 8.) CONSTRUCT DRAINAGE OUTFALLS AND FENCING.
- 9.) PLACE BASE COURSE OF PAVEMENT.
- 10.) LOAM AND SEED GRASS AREAS WITH A MINIMUM OF 6" OF LOAM.

Date issued:

7/6/18



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DETAILS

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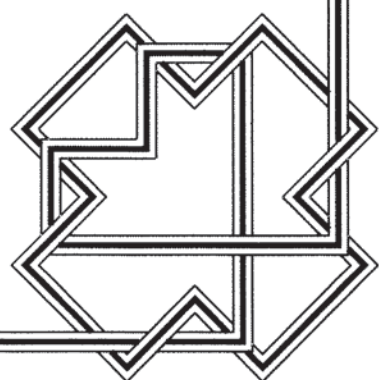
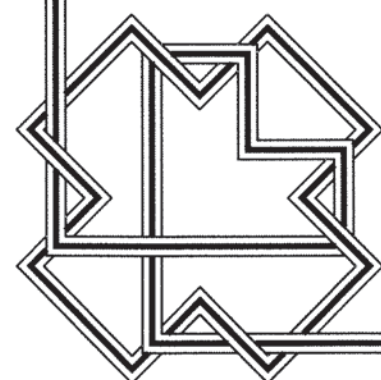
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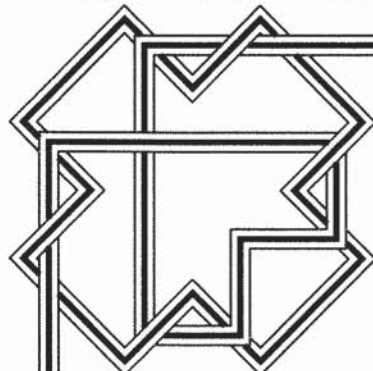
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16-514

Sheet:

C-004





UNDERGROUND SEPTIC TANKS & PUMP CHAMBERS

- 1.) TANKS SHALL BE STRUCTURALLY SOUND AND TO WITHSTAND THE SUPER IMPOSED LOADS.
- 2.) TANKS SHALL BE WATERTIGHT.
- 3.) TANKS SHALL BE PRECAST CONCRETE.
- 4.) MANUFACTURERS OF SEPTIC TANKS SHALL IMPLEMENT A QUALITY CONTROL / QUALITY ASSURANCE PROGRAM IN CONFORMITY WITH ASTM STANDARD C-127-93. TANKS SHALL BE EMBOSSED WITH A SEAL STATING THAT THIS ASTM STANDARD HAS BEEN MET. TANKS NOT EMBOSSED WITH A SEAL SHALL BE REJECTED.
- 5.) TANKS SHALL BE ACCESSIBLE FOR INSPECTION AND MAINTENANCE. NO STRUCTURES SHALL BE LOCATED DIRECTLY UPON, ABOVE, OR NEAR THE TANKS WHICH MAY INTERFERE WITH PERFORMANCE, ACCESS, INSPECTION, PUMPING OR REPAIR.
- 6.) INLET AND OUTLET TEES SHALL BE OF CAST IRON, SCHEDULE 40 PVC, OR APPROVED EQUAL.
- 7.) SEPTIC TANKS SHALL BE PROVIDED WITH AT LEAST THREE (3) 20" DIAMETER MANHOLES. MANHOLES SHALL BE AT THE CENTER AND OVER EACH INLET AND OUTLET TEE. FOR COMPARTMENT TANKS, THE CENTER MANHOLE SHALL BE THE ACCESS TO THE COMPARTMENT CONNECTION. SYSTEM DESIGNS IN EXCESS OF 1,000 GPD, ALL MANHOLES SHALL BE MADE ACCESSIBLE. FOR SYSTEM DESIGNS OF 1,000 GPD OR LESS AT LEAST ONE (1) MANHOLE SHALL BE MADE ACCESSIBLE. IF APPLICABLE, PROVIDE WATERTIGHT ACCESS PORT (RISERS), PRECAST CONCRETE OR EQUIVALENT, WITH STEPS WHERE APPROPRIATE. MANHOLE COVERS SHALL BE REMOVABLE, AND OF IMPERMEABLE AND DURABLE MATERIAL. COVERS SHALL BE WITHIN SIX (6) INCHES OF FINISHED GRADE AND SHALL BE SECURED TO PREVENT UNAUTHORIZED ACCESS.
- 8.) INSTALLATION:
 - A - TANKS SHALL BE INSTALLED TRUE TO GRADE ON A LEVEL, STABLE BASE THAT HAS BEEN MECHANICALLY COMPACTED, AND ON WHICH SIX (6) INCHES OF CRUSHED HAS BEEN PLACED TO ENSURE STABILITY AND TO PREVENT SETTLING. THE TANK SHALL HAVE A MINIMUM OF NINE (9) INCHES OF COVER.
 - B - THE INLET AND OUTLET TEES SHALL BE INSTALLED TO THE GRADES SHOWN ON THE PLAN. THE TEES SHALL EXTEND A MINIMUM OF SIX (6) INCHES ABOVE THE FLOWLINE OF THE SEPTIC TANK AND SHALL BE ON THE CENTERLINE OF THE SEPTIC TANK AND LOCATED DIRECTLY UNDER THE ACCESS MANHOLES. CROSS-SECTIONAL FLOW Baffles SHALL NOT BE USED AS SUBSTITUTES FOR INLET OR OUTLET TEES.
 - C - FOR REPAIRS, CONTRACTOR SHALL, WHEN CONNECTING A NEW SEPTIC TANK TO AN EXISTING SEWER LINE, VERIFY SEWER LINE IS SCH. 40 OR C.I. IN GOOD CONDITION OR IT SHALL BE REPLACED. ALSO THAT ALL OUT FLOW PIPES FROM BUILDING RUN THRU SEPTIC TANK.ALL WORK IN CONFORMANCE WITH MASS. STATE PLUMBING CODE.

DESIGN CRITERIA

- 9.) UNLESS OTHERWISE NOTED (UON), THE DESIGN OF THIS SYSTEM CONFORMS TO THE REQUIREMENTS OF THE COMMONWEALTH OF MASSACHUSETTS ENVIRONMENT CODE "TITLE V", AND THE REQUIREMENTS OF THE LOCAL BOARD OF HEALTH.
- 10.) THE DESIGN OF THIS SYSTEM DID NOT ALLOW FOR THE USE OF A GARBAGE DISPOSAL.
- 11.) THE SEPTIC TANK SHALL BE INSPECTED AND CLEANED IN ACCORDANCE WITH 310 CMR 15.300 AND APPLICABLE LOCAL REQUIREMENTS.
- 12.) GREASE TRAP, IF APPLICABLE, SHALL BE INSPECTED EVERY THREE (3) MONTHS, AND SHALL BE CLEANED EVERY THREE (3) MONTHS OR WHEN THE LEVEL OF GREASE IS 25% OF THE EFFECTIVE DEPTH OF THE TRAP.
- 13.) THE DESIGN OF THIS SYSTEM CONFORMS WITH THE FOLLOWING MINIMUM DISTANCES FROM THE PROPOSED SANITARY SYSTEM:
 - A - SURFACE WATER SUPPLY OR GRAVEL PACKED WELLS.....400 FT.
 - B - TUBULAR PUBLIC WELLS.....250 FT.
 - C - PRIVATE POTABLE WELLS.....200 FT.
 - D - NON POTABLE / IRRIGATION WELLS.....200 FT.
 - E - OTHER SANITARY SOIL ABSORPTION SYSTEMS.....10 FT.
 - F - WETLANDS.....100 FT.
- 14.) NO STRUCTURES SHALL BE LOCATED UPON, ABOVE, OR WITHIN 20' OF THE LEACHING FIELD AREA. THE RESERVE AREA (100% EXPANSION) IS CONSIDERED TO BE THE SAME AS THE LEACHING AREA.
- 15.) THE TOP OF ALL SYTEM COMPONENTS, INCLUDING THE SEPTIC TANK, DISTRIBUTION BOX OR DOSING CHAMBER AND SOIL ABSORPTION SYSTEM, SHALL BE INSTALLED NO MORE THAN 36" BELOW FINISH GRADE.

LEACHING CHAMBER AREAS

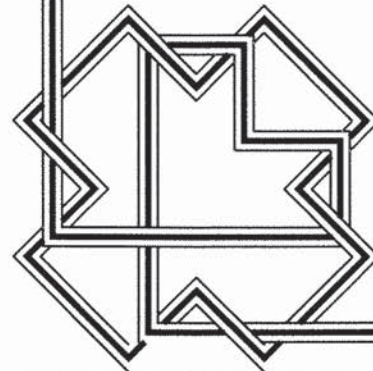
- 16.) LEACHING CHAMBER SHALL BE A 500 GAL CONCRETE CHAMBER (H-20 LOADING) OR ENGINEER APPROVED EQUAL.
- 17.) ALL INSTALLATIONS SHALL BE TRUE TO LINE AND GRADE.
- 18.) ALL PIPING SHALL BE SCH. 40 PVC.
- 19.) DISTRIBUTION PIPES SHALL HAVE A MINIMUM DIAMETER OF 4" AND A MINIMUM SLOPE OF 0.01%.
- 20.) ALL UNSUITABLE MATERIAL, INCLUDING TOP SOIL AND SUB SOIL, SHALL BE REMOVED AS FOLLOWS:
 - REMOVE SOILS TO ELEVATION \pm , AND A DISTANCE OF 5 FT. IN ALL DIRECTIONS OF THE DESIGNATED LEACHING AREA.
- 21.) REMOVED SOILS SHALL BE REPLACED WITH CLEAN SAND, MEETING THE REQUIREMENTS OF 310 CMR 15.25(3).

INSPECTION SCHEDULE

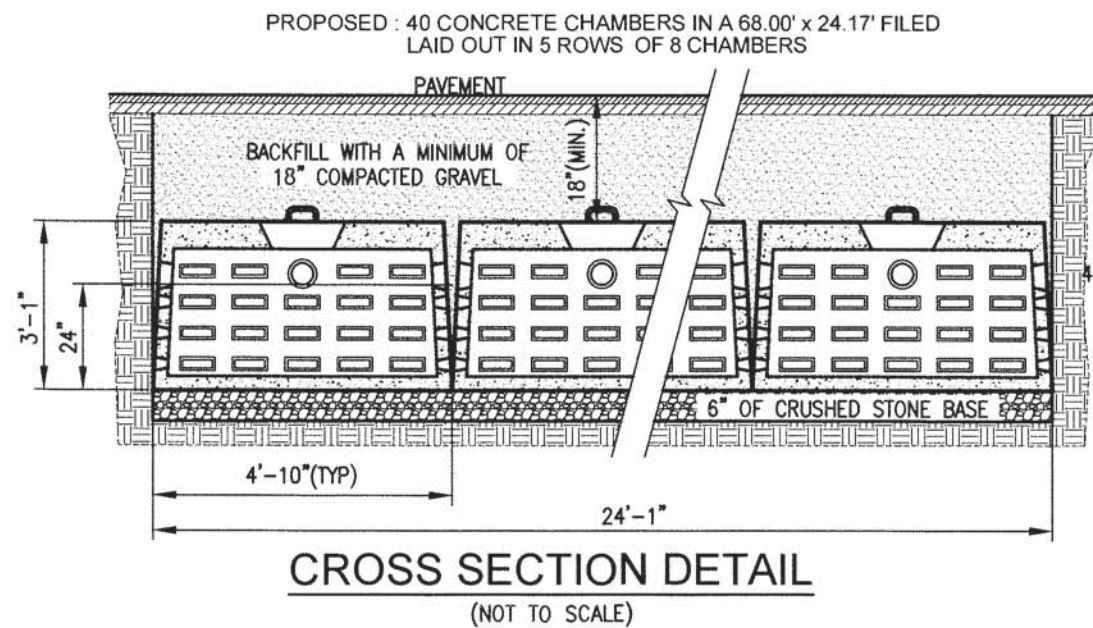
- 23.) TO OBTAIN THE BOARD OF HEALTH CERTIFICATE, CONFIRMATION OF THE PROPER INSTALLATION IS REQUIRED
 - A - EXCAVATION OF UNSUITABLE MATERIAL
 - B - PLACEMENT OF THE CLEAN BACK FILL MEETING 310 CMR 15.25(3)
 - C - INSATLLATION OF THE SYSTEM WITH ALL COMPONENTS EXPOSED FOR INSPECTION AND PREPARATION OF "AS-BUILT"
 - D - WHEN EXISTING GROUND ELEVATIONS ARE CHANGED, A FINISHED GROUND ELEVATION "AS-BUILT" SHALL BE REQUIRED PRIOR TO CERTIFICATE OF COMPLIANCE BEING ISSUED.

UTILITY NOTES

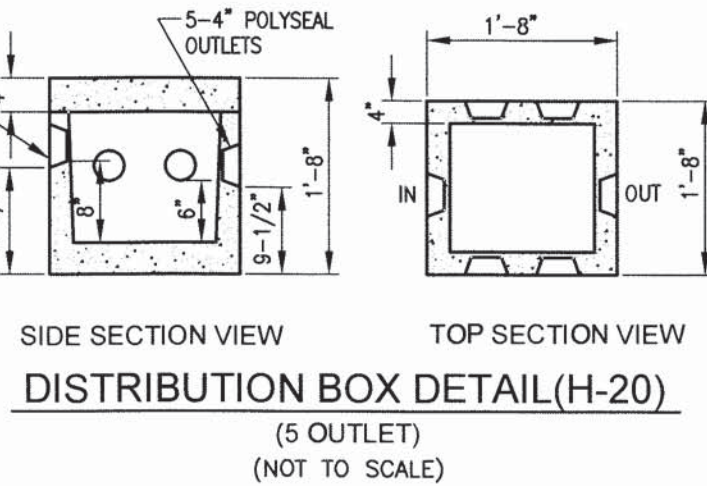
- 24.) THE LOCATION OF UTILITIES IS APPROXIMATE ONLY. DIG-SAFE AND OTHER APPROPRIATE ADJUSTMENTS SHALL BE NOTIFIED TO VERIFY ACTUAL LOCATIONS, PRIOR TO ANY EXCAVATING, RELOCATE IF / AS REQUIRED.



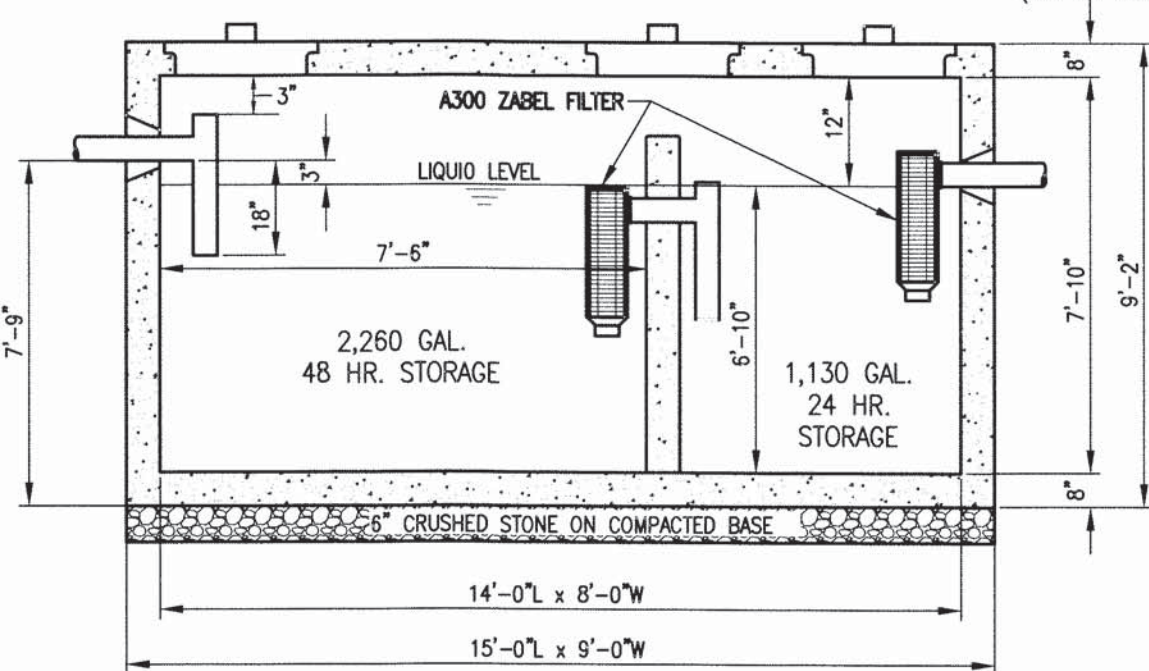
500 GAL. PRECAST LEACHING CHAMBER (H-20)
(NOT TO SCALE)



ZABEL FILTER DETAIL
(NOT TO SCALE)

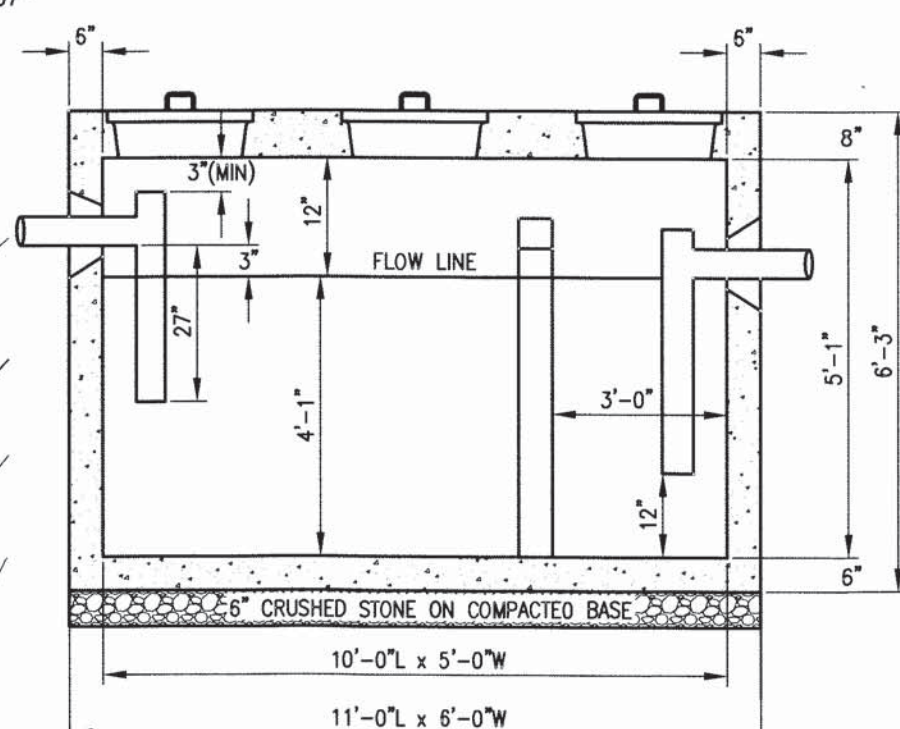


PROPOSED KITCHEN FLOW SECTION THRU SYSTEM
(NOT TO SCALE)



PROPOSED 4,000 GAL. (H-20)
PRECAST CONCRETE SEPTIC TANK
(NOT TO SCALE)

SEPTIC TANK SIZING CALCULATION:
1,130 G.P.D. x 2 (48 HRS.) + 1,130 G.P.D. = 3,390 GAL. REQUIRED
USE : 3,500 GAL. MINIMUM SEPTIC TANK

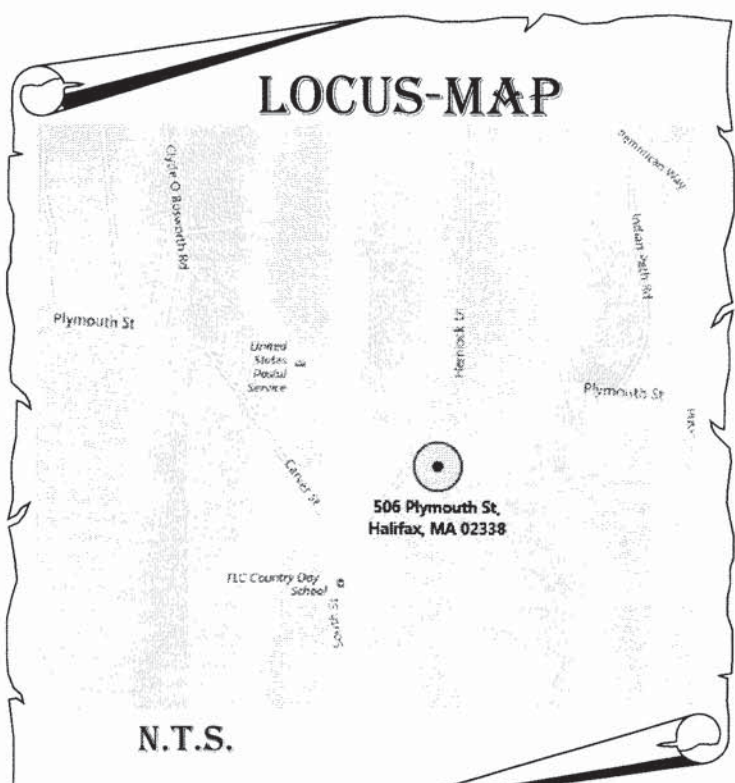


PROPOSED 1500 GAL. (H-20)
PRECAST CONCRETE GREASE TRAP
NOT TO SCALE

GREASE TRAP SIZING CALCULATION:
15 G.P.D. x 62 SEATS = 930 GAL. REQUIRED
USE : 1,500 GAL. MINIMUM GREASE TRAP

NOTES:

- 1.) THE EXISTING / PROPOSED USE OF THE LOCUS IS A SENIOR CENTER WITH 62 SEATS.
- 2.) LOT 18 DOES NOT LIE IN A ZONE II WELL PROTECTION ZONE.
- 3.) LOT 18 DOES NOT LIE IN A FLOOD HAZARD ZONE AS DETERMINED BY THE FIRM MAP.
- 4.) THERE ARE NO WETLANDS WITHIN 100' OF THE PROPOSED LEACHING FACILITY.
- 5.) THERE ARE NO KNOWN WELLS WITHIN 200' OF THE PROPOSED LEACHING FACILITY.
- 6.) THERE ARE NO STREAMS, SURFACE OR SUBSURFACE DRAINS, OR WETLANDS WITHIN 100' OF THE SEPTIC SYSTEM AND RESERVE AREA.
- 7.) THERE ARE NO ABUTTING FOUNDATIONS WITHIN 25' OF S.A.S.
- 8.) THERE ARE NO KNOWN EASEMENTS ON THE PROPERTY.



PROPOSED FLOW LINE GRADES

PROPOSED FLOW LINE GRADES	"AS-BUILT" GRADES
INV. AT FOUNDATION	85.85
INV. INTO GREASE TRAP	85.60
INV. OUT OF GREASE TRAP	85.35
INV. INTO SEPTIC TANK	85.08
INV. OUT OF SEPTIC TANK	84.83
INV. INTO DISTRIBUTION BOX	84.27
INV. OUT OF DISTRIBUTION BOX	84.10
INV. INTO FIELD	84.00
BOTTOM OF CHAMBER BED	82.00
WATER TABLE	ADJUSTED 76.91

T.P.#1

88.0	A	SANDY LOAM	10YR 3/3
87.0	12"	LOAMY SAND	10YR 5/4
85.8	B	MED. SAND	2.5Y 6/3
81.3	C1	MED. COARSE SAND	2.5Y 6/3
75.7	C2	NO MOTILES FOUND	NO WATER FOUND

T.P.#2

88.3	A	SANDY LOAM	10YR 3/3
87.5	6"	LOAMY SAND	10YR 5/4
85.8	B	MED. SAND	2.5Y 6/3
81.3	C1	MED. COARSE SAND	2.5Y 6/3
75.7	C2	NO MOTILES FOUND	NO WATER FOUND

WATER TABLE ADJUSTMENT

12.3 - 4.2/4 04 x (7.26 - 6.1)

12.3 - 1.04 x 1.16 = 10.1

ELEV. 88.0 - 11.09 = 76.91

SOIL LOGS

PERC RATE OF ≤ 2 MINUTES / INCH
PRESENT DURING TESTS ON 2/18/18
AGENT: CATHEEN DRINAN
SOIL EVALUATOR: JOSEPH WEBBY, JR.
SE#2564

BENCHMARK:
TOP OF FOUNDATION
@ POPE'S TAVERN BUILDING
ELEV. = 90.09

DESIGN CALCULATIONS

DESIGN FLOW - 75 G.P.D. PER 1,000 S.F. OF BUILDING OFFICE SPACE = 200 G.P.D.
15 G.P.D. / SEAT FOR FUNCTION HALL - 62 SEATS = 930 G.P.D.
TOTAL G.P.D. REQUIRED = 1,130 G.P.D.

REQUIRED GPD = 1,130 GAL
REQUIRED LEACHING AREA = 1,130 / 0.74 (@ < 2 MIN. / INCH) = 1,527 S.F.
LEACHING AREA PROVIDED = 1,643 S.F. > 1,527 S.F.
LEACHING CAPACITY = 1,216 GPD > 1,130 GPD.

1,130 x 2 (48 HRS.) + 1,130 (24HRS.) = 3,390 GAL.
USE 3,500 GAL. MINIMUM SEPTIC TANK

S.A.S. FIELD SIZE:
68'0" x 24'17" = 1,643 S.F.

ISSUE	DATE	DESCRIPTION	DRAWN	DESIGN	CHECK	RESP. ENG.
#1	3/15/18	UPGRADE OF SANITARY SYSTEM	GTH	GTH		
#2	5/2/18	REVISED PER REVIEW COMMENTS	GTH			

UPGRADE OF : SANITARY SYSTEM

TOWN : HALIFAX, MASS.

MAP No. 43 / LOT No. : 62A

LOCATION : 506 PLYMOUTH STREET

PREPARED FOR : THE TOWN OF HALIFAX

SCALE : 1" = 20'

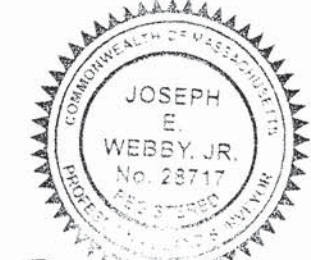
DATE : MARCH 15, 2018

WEBBY ENGINEERING ASSOCIATES, INC.

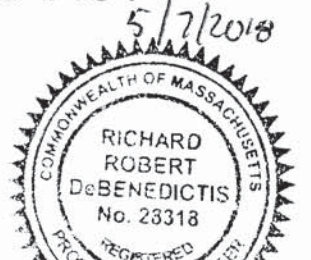
CIVIL ENGINEERS & LAND SURVEYORS

180 COUNTY ROAD - PLYMPTON, MA.

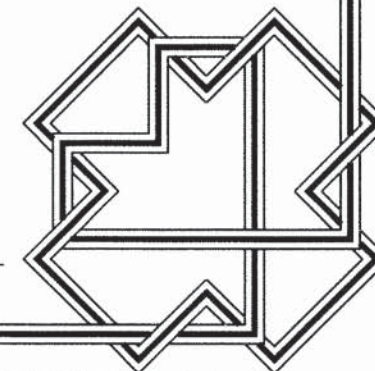
(781) 585-1164



PROFESSIONAL LAND SURVEYOR



PROFESSIONAL ENGINEER



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7/6/18



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TAVERN,
HALIFAX, MA

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DETAILS

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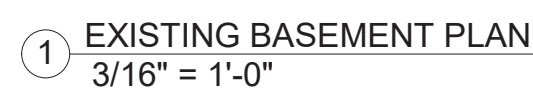
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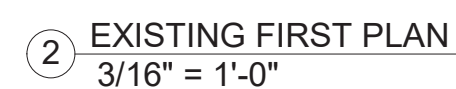
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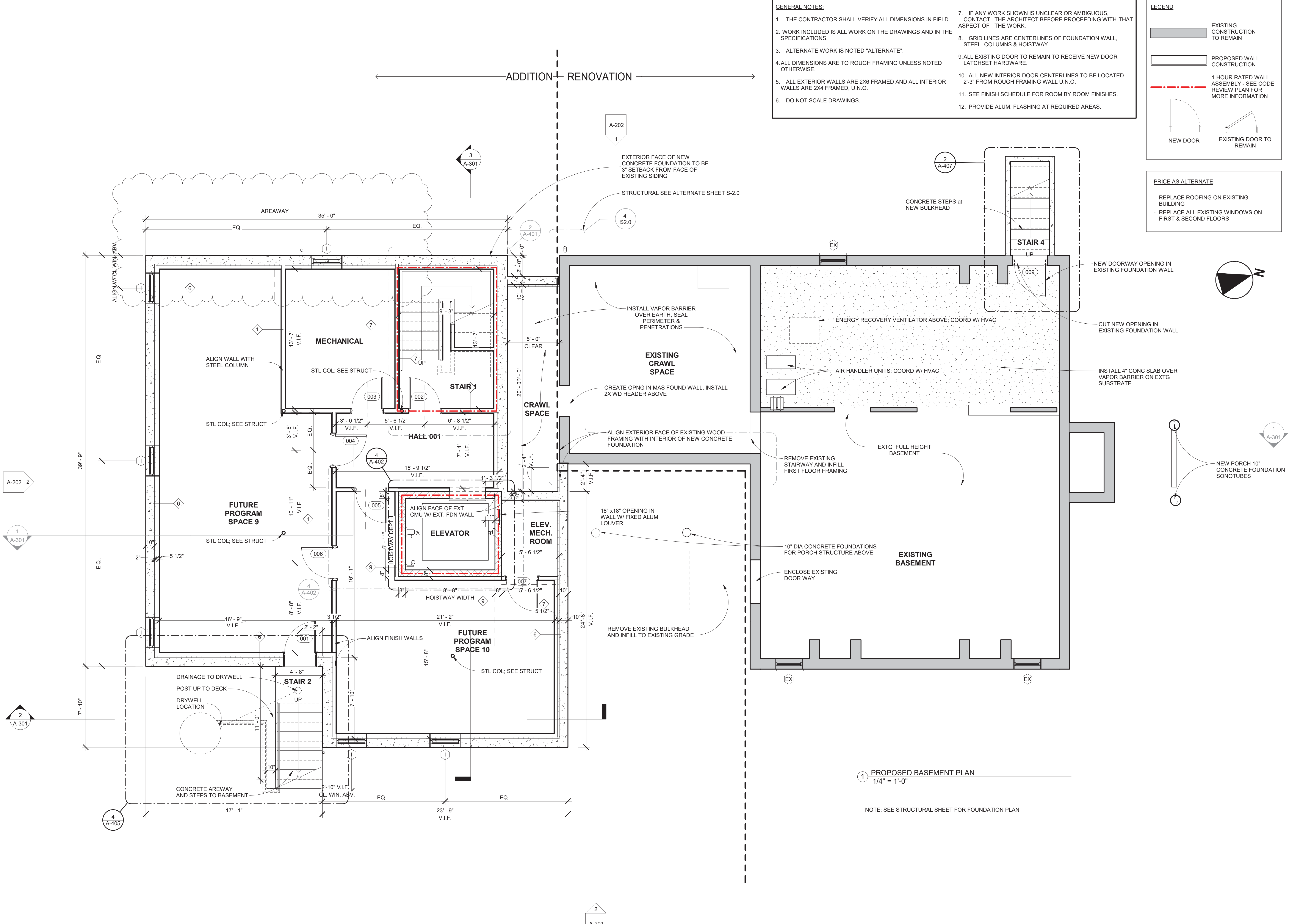


LEGEND

 EXISTING WALL TO REMAIN

EXISTING WALL TO BE REMOVED





- GENERAL NOTES:**
1. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS IN FIELD.
 2. WORK INCLUDED IS ALL WORK ON THE DRAWINGS AND IN THE SPECIFICATIONS.
 3. ALTERNATE WORK IS NOTED "ALTERNATE".
 4. ALL DIMENSIONS ARE TO ROUGH FRAMING UNLESS NOTED OTHERWISE.
 5. ALL EXTERIOR WALLS ARE 2X6 FRAMED AND ALL INTERIOR WALLS ARE 2X4 FRAMED, U.N.O.
 6. DO NOT SCALE DRAWINGS.
 7. IF ANY WORK SHOWN IS UNCLEAR OR AMBIGUOUS, CONTACT THE ARCHITECT BEFORE PROCEEDING WITH THAT ASPECT OF THE WORK.
 8. GRID LINES ARE CENTERLINES OF FOUNDATION WALL, STEEL COLUMNS & HOISTWAY.
 9. ALL EXISTING DOOR TO REMAIN TO RECEIVE NEW DOOR LATCHSET HARDWARE.
 10. ALL NEW INTERIOR DOOR CENTERLINES TO BE LOCATED 2'-3" FROM ROUGH FRAMING WALL U.N.O.
 11. SEE FINISH SCHEDULE FOR ROOM BY ROOM FINISHES.
 12. PROVIDE ALUM. FLASHING AT REQUIRED AREAS.

LEGEND

EXISTING CONSTRUCTION TO REMAIN

PROPOSED WALL CONSTRUCTION

1-HOUR RATED WALL ASSEMBLY - SEE CODE REVIEW PLAN FOR MORE INFORMATION

NEW DOOR

EXISTING DOOR TO REMAIN

PRICE AS ALTERNATE

- REPLACE ROOFING ON EXISTING BUILDING
- REPLACE ALL EXISTING WINDOWS ON FIRST & SECOND FLOORS

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Drawing:

BASEMENT
PLAN

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FIRST FLOOR PLAN

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10. ALL NEW INTERIOR DOOR CENTERLINES TO BE LOCATED 2'-3" FROM ROUGH FRAMING WALL U.N.O.
11. SEE FINISH SCHEDULE FOR ROOM BY ROOM FINISHES.
12. PROVIDE ALUM. FLASHING AT REQUIRED AREAS.

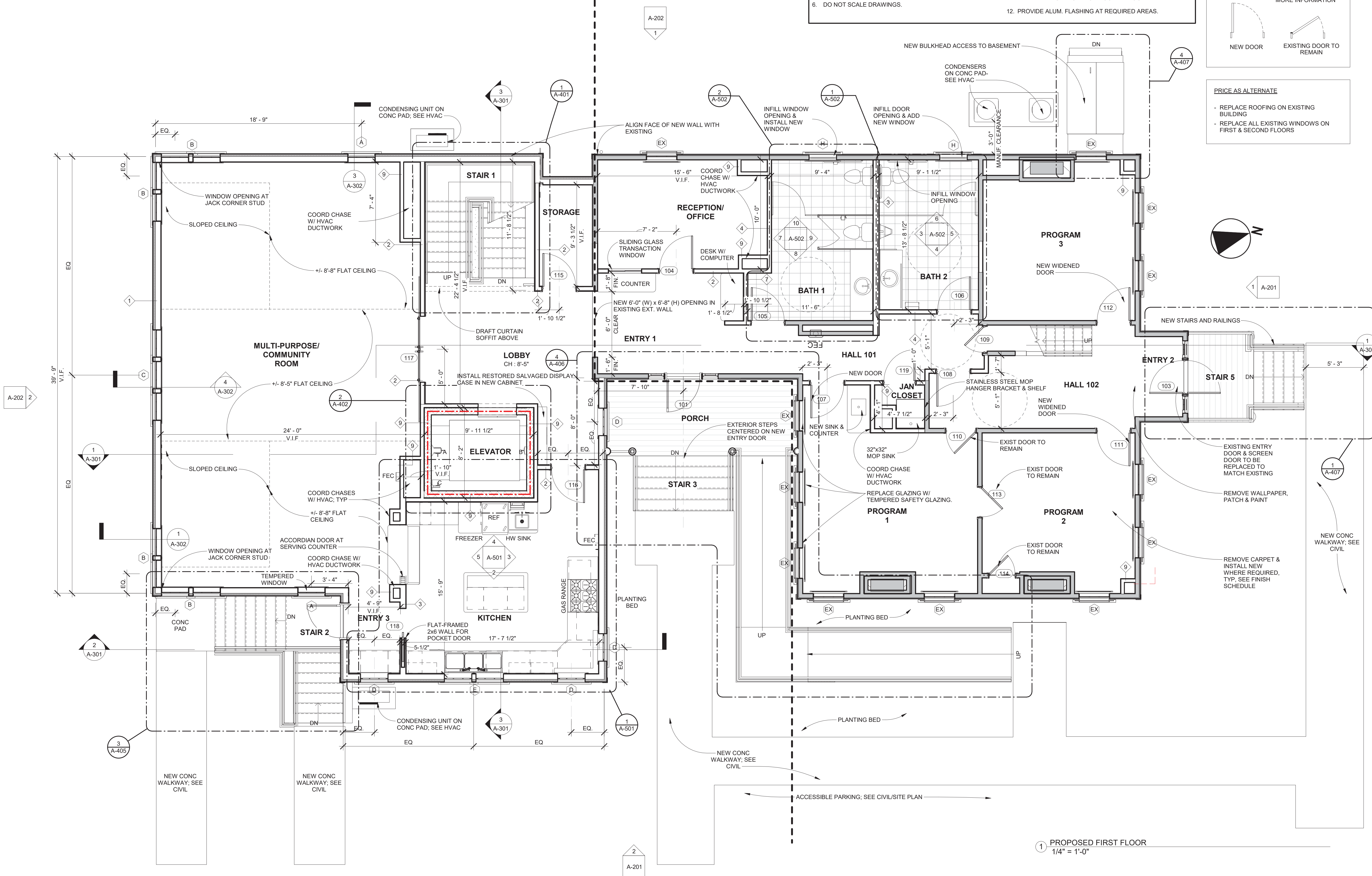
LEGEND

- EXISTING CONSTRUCTION TO REMAIN
- PROPOSED WALL CONSTRUCTION
- 1-HOUR RATED WALL ASSEMBLY - SEE CODE REVIEW PLAN FOR MORE INFORMATION
- NEW DOOR
- EXISTING DOOR TO REMAIN

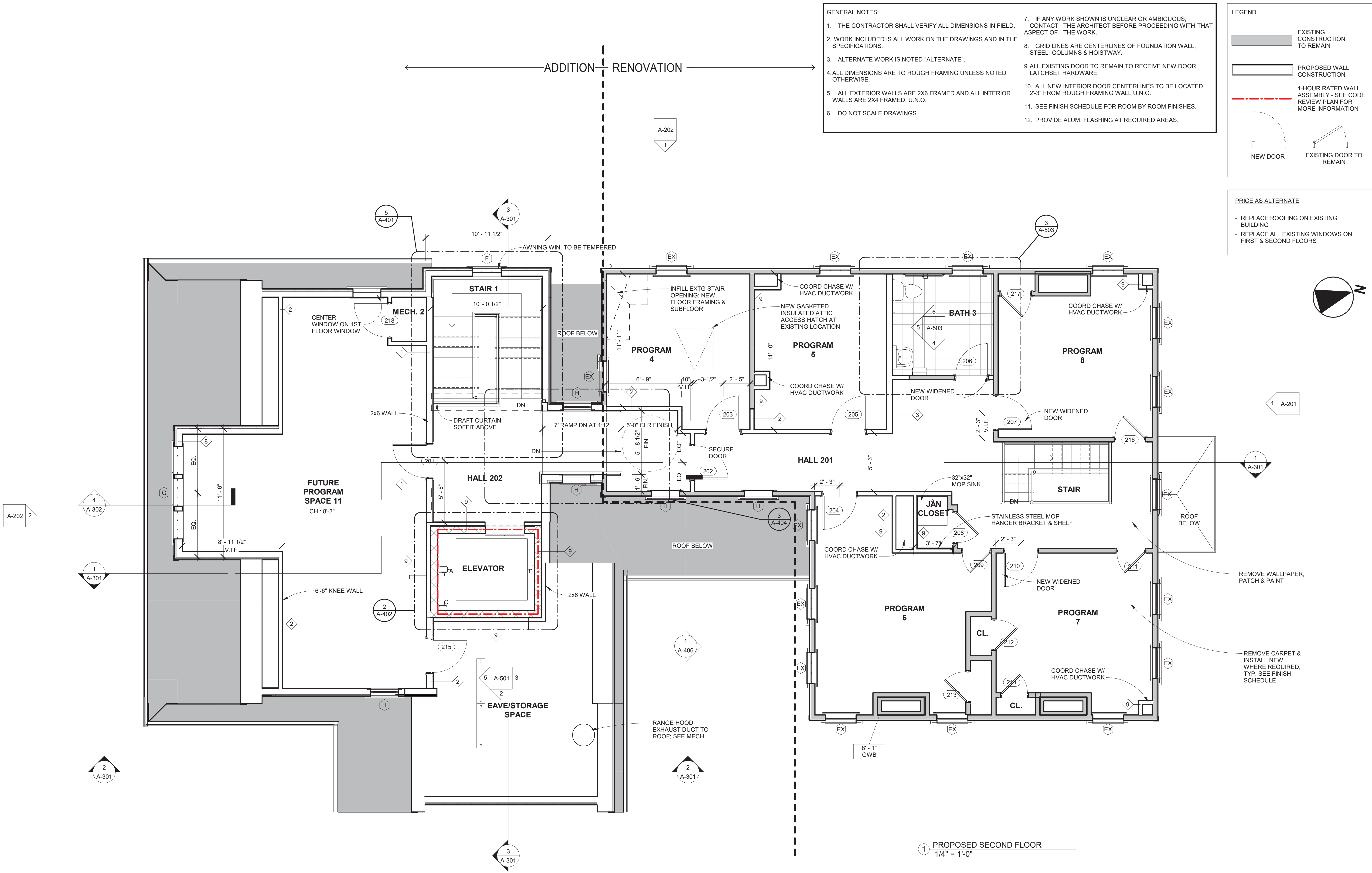
PRICE AS ALTERNATE

- REPLACE ROOFING ON EXISTING BUILDING
- REPLACE ALL EXISTING WINDOWS ON FIRST & SECOND FLOORS

ADDITION RENOVATION



1 PROPOSED FIRST FLOOR
1/4" = 1'-0"



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SECOND
FLOOR PLAN

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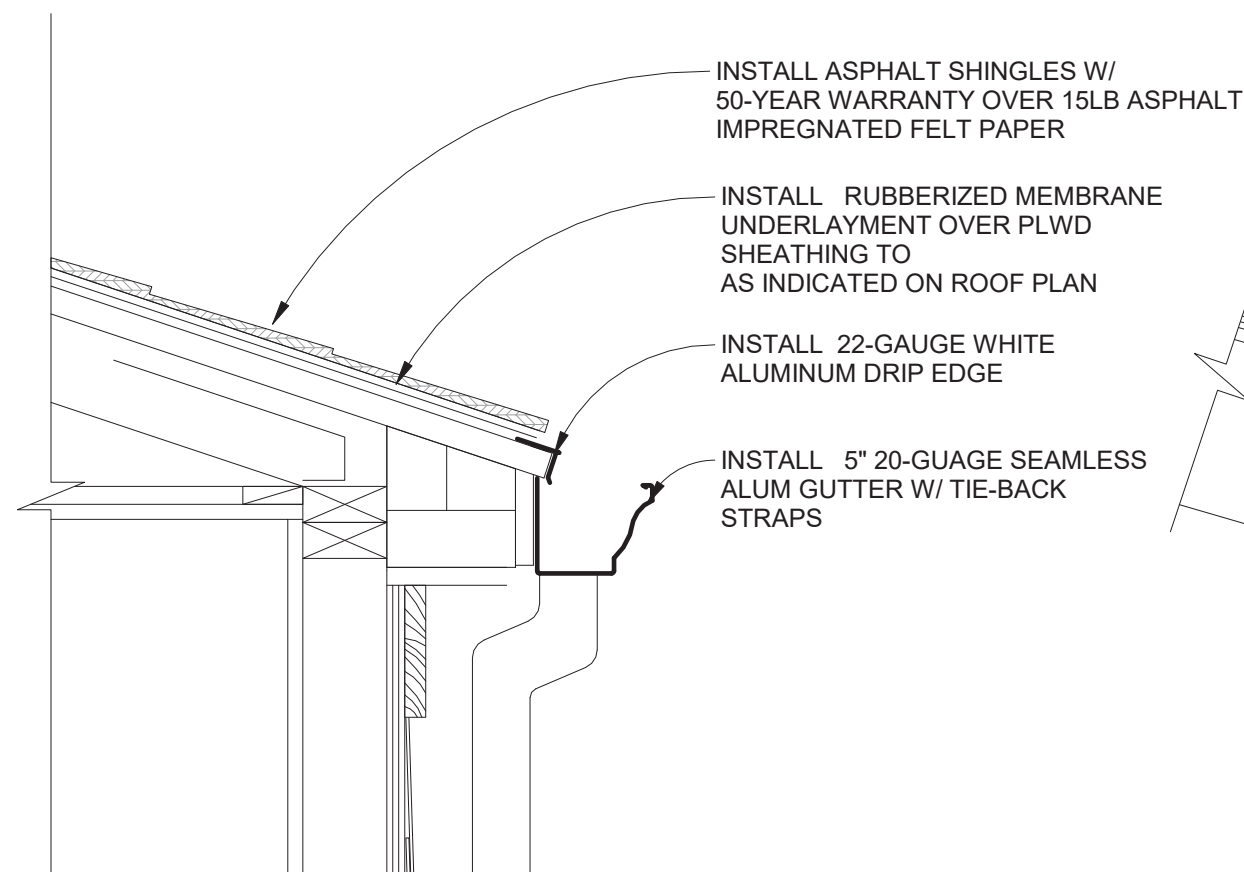
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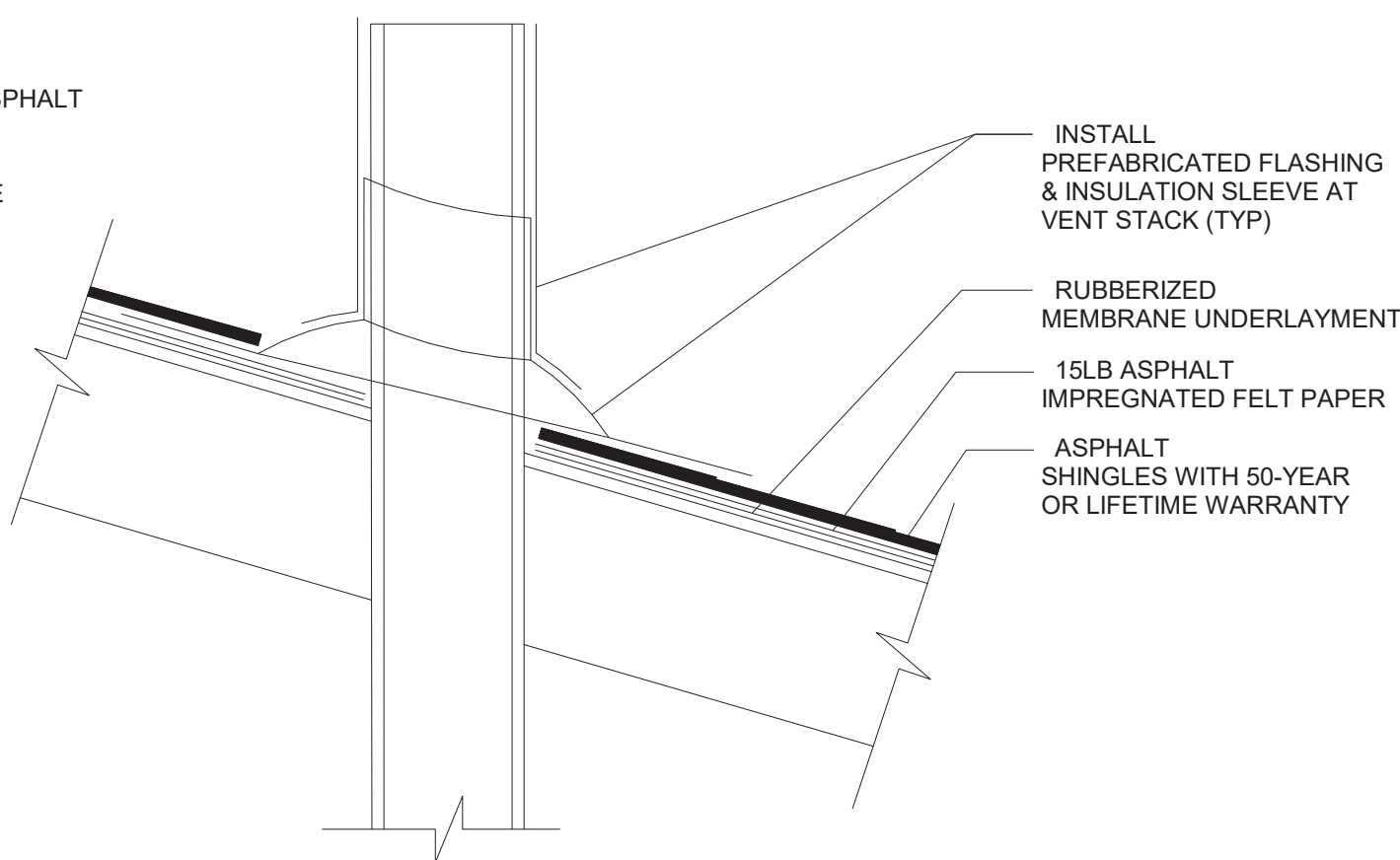
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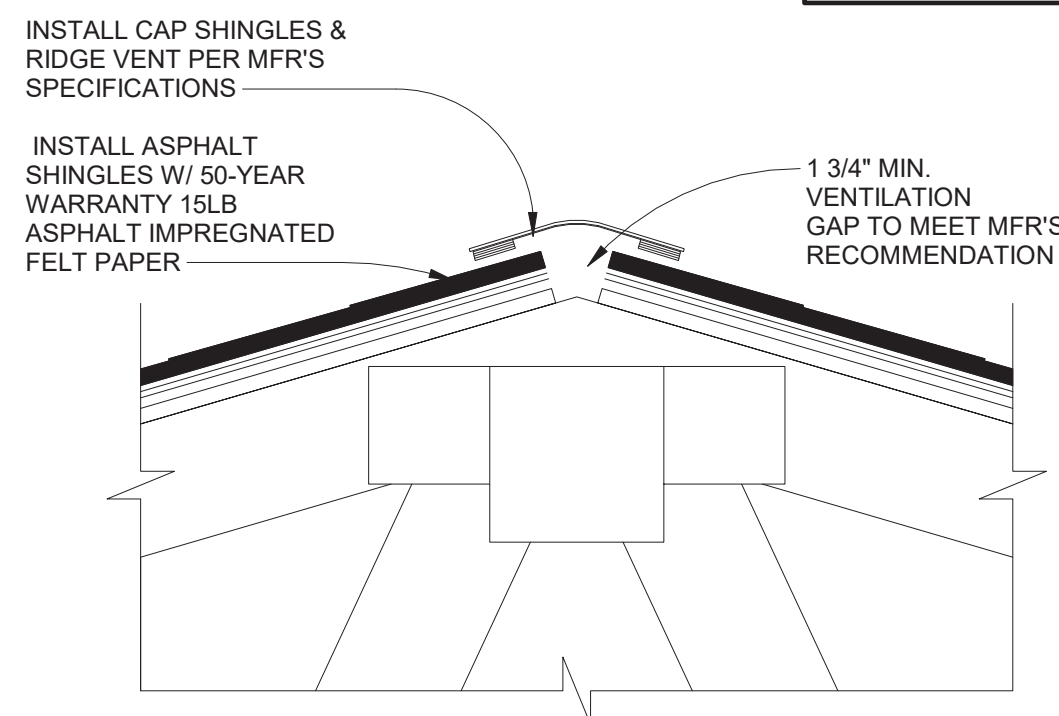
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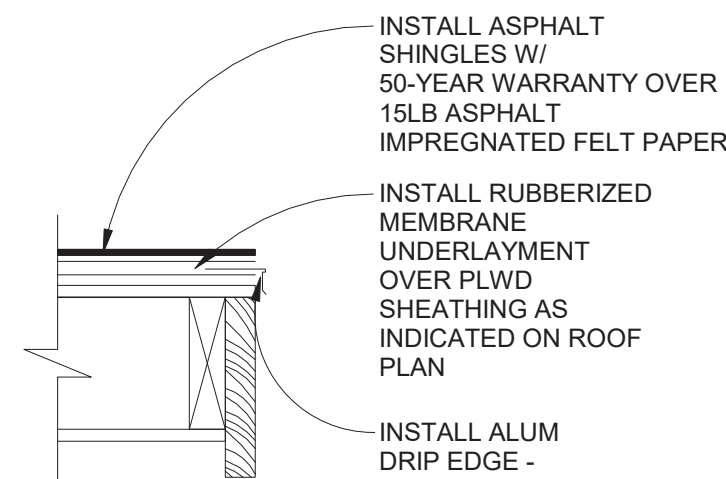
5 SECTION DETAIL @ EAVE
SCALE: 1 1/2" = 1'-0"



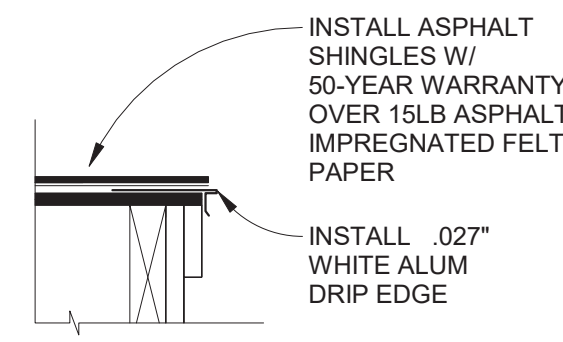
4 VENT PENETRATION FLASHING DETAIL
SCALE: 1 1/2" = 1'-0"



2 RIDGE VENT DETAIL
SCALE: 1 1/2" = 1'-0"



3 TYPICAL RAKE DETAIL
SCALE: 1 1/2" = 1'-0"



6 TYPICAL EAVE DETAIL
SCALE: 3" = 1'-0"

- GENERAL NOTES:**
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 11. SEE FINISH SCHEDULE FOR ROOM BY ROOM FINISHES.
 12. PROVIDE ALUM. FLASHING AT REQUIRED AREAS.

LEGEND

EXISTING CONSTRUCTION TO REMAIN

PROPOSED WALL CONSTRUCTION

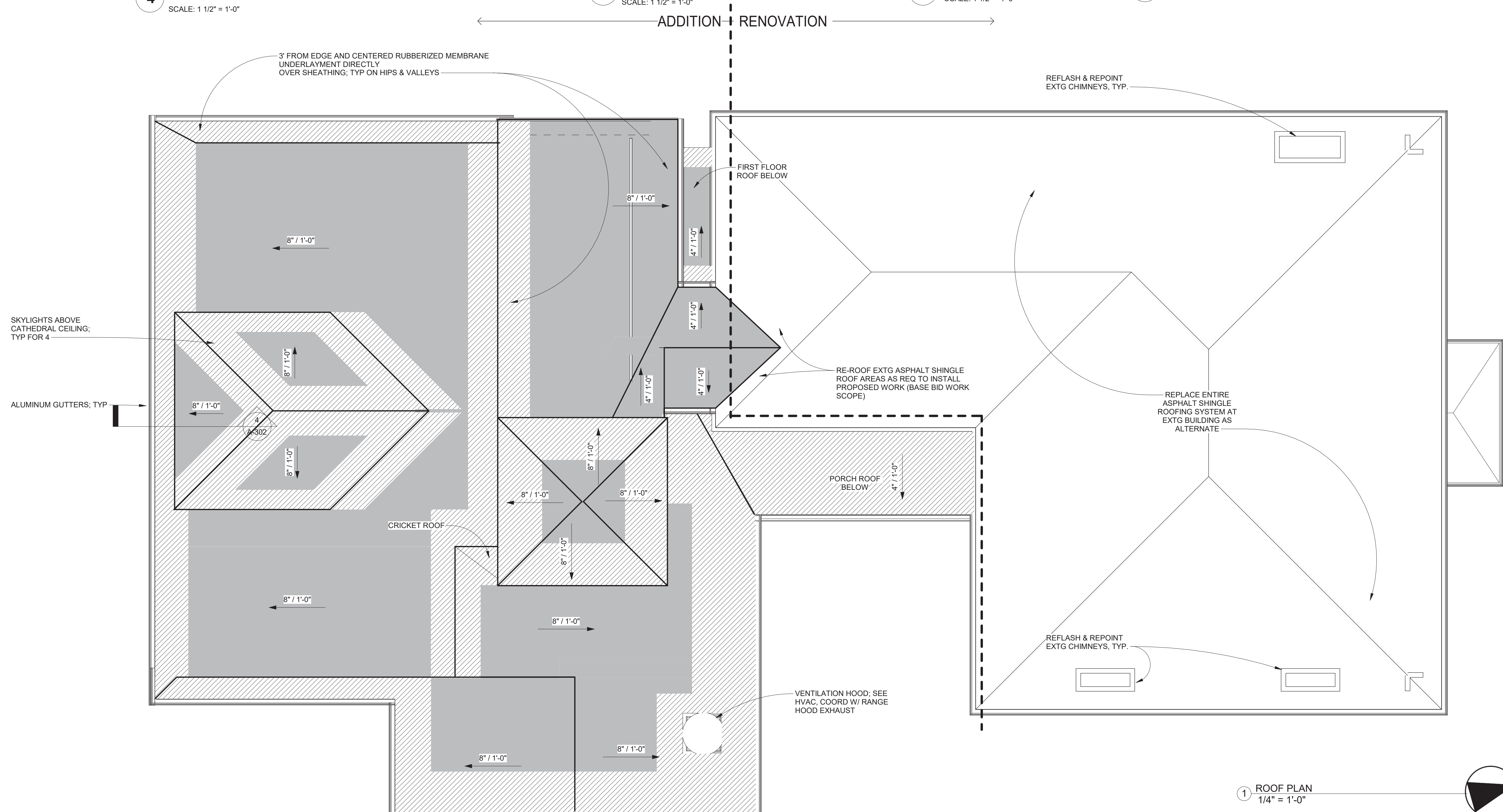
1-HOUR RATED WALL ASSEMBLY - SEE CODE REVIEW PLAN FOR MORE INFORMATION

NEW DOOR

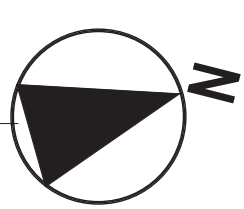
EXISTING DOOR TO REMAIN

PRICE AS ALTERNATE

- REPLACE ROOFING ON EXISTING BUILDING
- REPLACE ALL EXISTING WINDOWS ON FIRST & SECOND FLOORS



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



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ROOF PLAN

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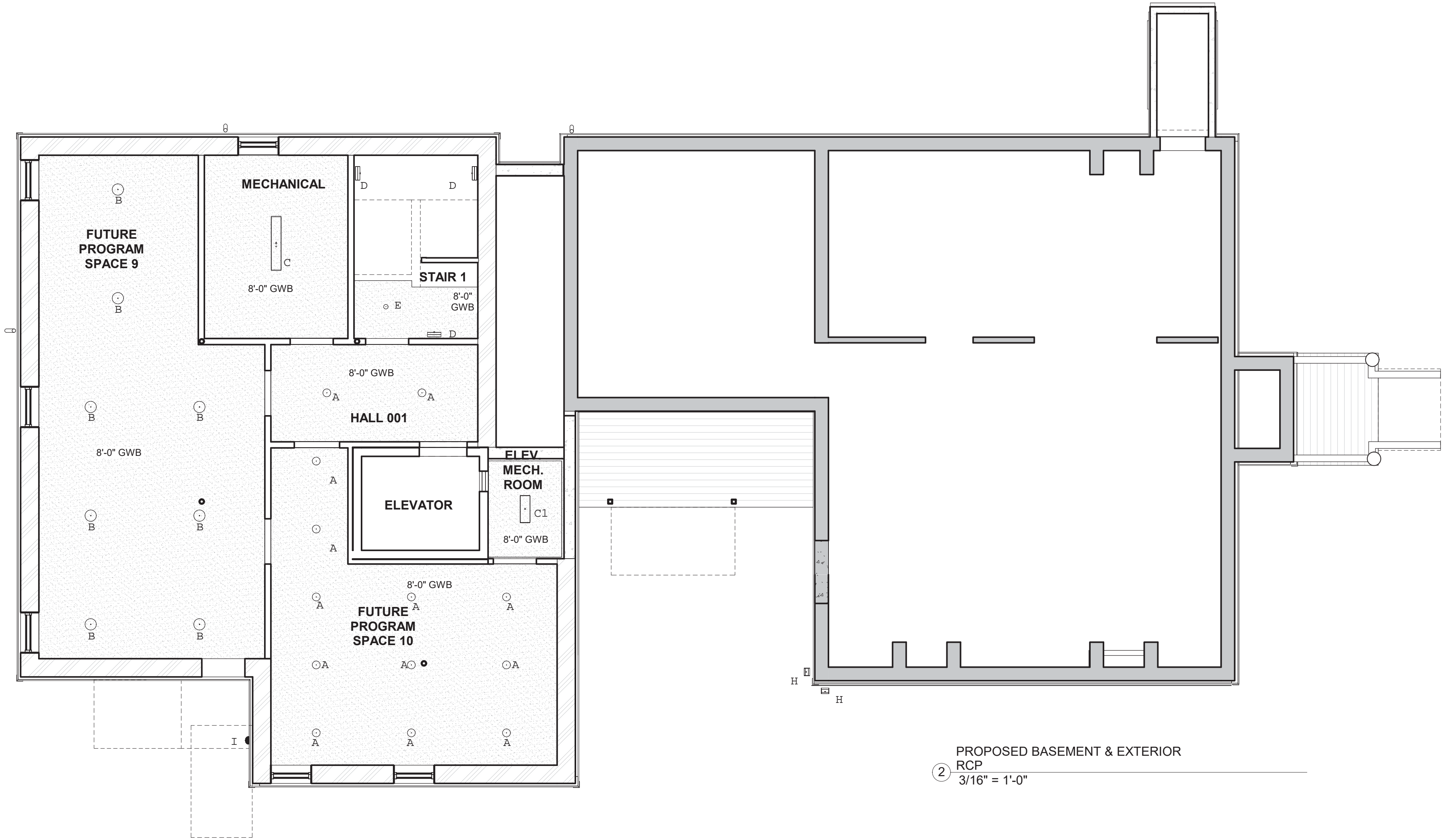
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A-103

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BASEMENT Luminaire Schedule				
Label	Lum. Lumens	Lum. Watts	LLF	Description
A	977	13.8	0.927	LIGHTOLIER S7R840K10-FINISH SURFACE MOUNTED TO CEILING
B	1913	23.9	0.893	LIGHTOLIER S10R840K22-FINISH SURFACE MOUNTED TO CEILING
C	3933	37.2	0.850	DAYBRITE OWL440L840UNV SURFACE MOUNTED TO CEILING
C1	3205	33.3	0.850	DAYBRITE OWL230L840UNV SURFACE MOUNTED TO CEILING
D	1205	20.51	0.850	BORDEN 501-LED1/10-120 WALL MOUNTED @ 6FT 6" AFF TO BOF
E	942	10.4	0.867	LIGHTOLER L4R10ANE1VA / L4R10840VA / L4RDW RECESSED IN CEILING

EXTERIOR Luminaire Schedule				
Label	Lum. Lumens	Lum. Watts	LLF	Description
I	1350	19	0.850	FC LIGHTING FCW3152-120V-LED/4K/1350-BK MOUNTED @ 7FT ABOVE STAIR
H	3586	29.6	0.850	TRACELITE AXL-30-4K-K (45 DEG TILT) MOUNTED @ 18FT AFG TO BOF

GENERAL NOTES:
1. PROVIDE ALL CUTTING & PATCHING OF
EXTG CEILINGS & OTHER FINISHES AS
REQ TO INSTALL PROPOSED WORK;
COORD WITH MEPPF.
2. NOT ALL CEILING MTD FIXTURES SHOWN -
COORD WITH MEPPF.

2'x4' RECESSED LIGHT FIXTURE

2'x2' RECESSED LIGHT FIXTURE

2' SURFACE MOUNTED LIGHT FIXTURE

6" OR 4" RECESSED CAN FIXTURE

PENDANT LIGHT FIXTURE

X'-X" ELEVATION
XXX MATERIAL

FINISHED CEILING TAG

2'x2' MECHANICAL RETURN DIFFUSER

2'x2' MECHANICAL SUPPLY DIFFUSER

2'x2' ACCOUSTIC CEILING TILE / GRID

GYPSUM WALL BOARD SOFFIT

SPRINKLER HEAD

EXIT SIGN

EMERGENCY LIGHTING W/ BACK
UP BATTERY

FIRE ALARM W/ STROBE AND
HORN

LEGEND

EXISTING CEILING TO REMAIN

NEW GWB CEILING

NEW FIBER CEMENT CEILING

RCP LEGEND
12" = 1'-0"

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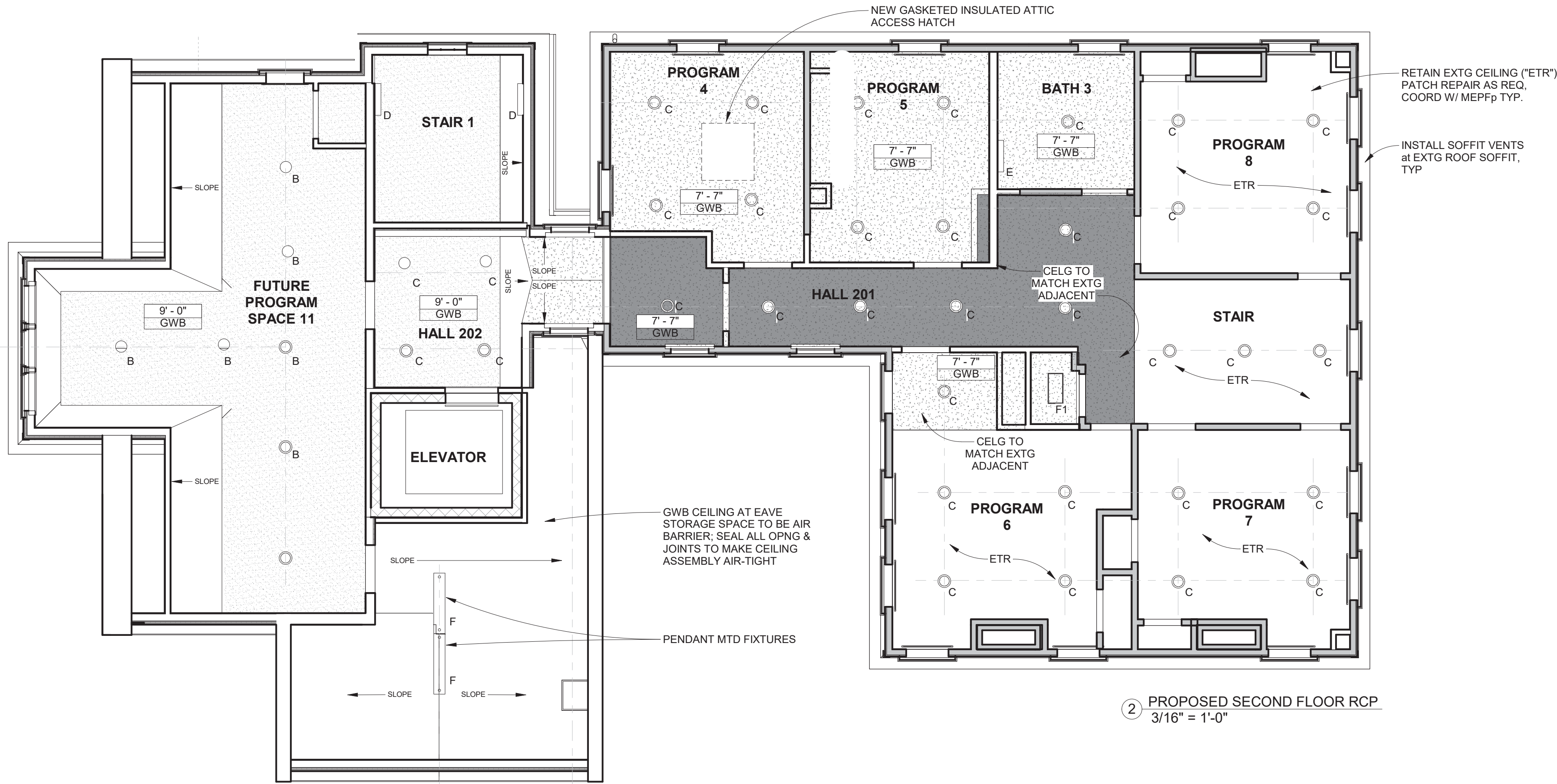
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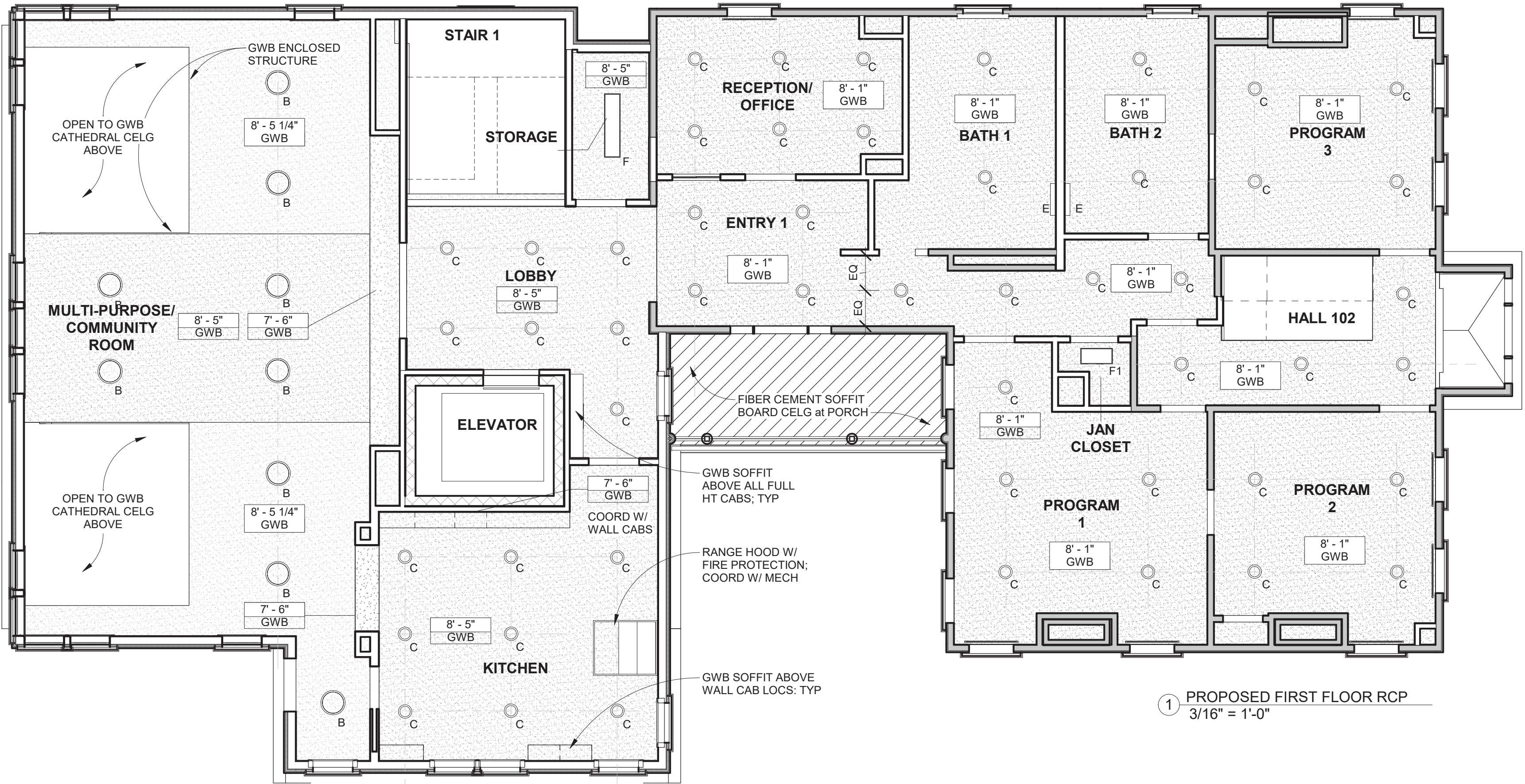
16-514

Sheet:

A-105



2 PROPOSED SECOND FLOOR RCP
3/16" = 1'-0"



1 PROPOSED FIRST FLOOR RCP
3/16" = 1'-0"

FIRST FLOOR Luminaire Schedule				
Label	Lum. Lumens	Lum. Watts	LLF	Description
B	1913	23.9	0.893	LIGHTOLIER S10R840K22-FINISH SURFACE MOUNTED TO CEILING
C	942	10.4	0.867	LIGHTOLIER L4R10ANE1VA / L4R10840VA / L4RDW RECESSED IN CEILING
E	1205	20.51	1.551	BORDEN 572-25-LED 1/14-120-FINISH SURFACE MOUNTED @ 6FT 6IN AFF TO BOF
F	3933	37.2	0.850	DAYBRITE OWL440L840UNV SURFACE MOUNTED TO CEILING
F1	3205	33.3	0.850	DAYBRITE OWL230L840UNV SURFACE MOUNTED TO CEILING

SECOND FLOOR Luminaire Schedule				
Label	Lum. Lumens	Lum. Watts	LLF	Description
B	1913	23.9	0.893	LIGHTOLIER S10R840K22-FINISH SURFACE MOUNTED TO CEILING
C	942	10.4	0.867	LIGHTOLIER L4R10ANE1VA / L4R10840VA / L4RDW RECESSED IN CEILING
D	1205	20.51	0.850	BORDEN 501-LED1/10-120 WALL MOUNTED @ 6FT 6IN AFF TO BOF
E	1205	20.51	1.551	BORDEN 572-25-LED 1/14-120-FINISH SURFACE MOUNTED @ 6FT 6IN AFF TO BOF
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EXTERIOR
ELEVATIONS

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ELEVATIONS

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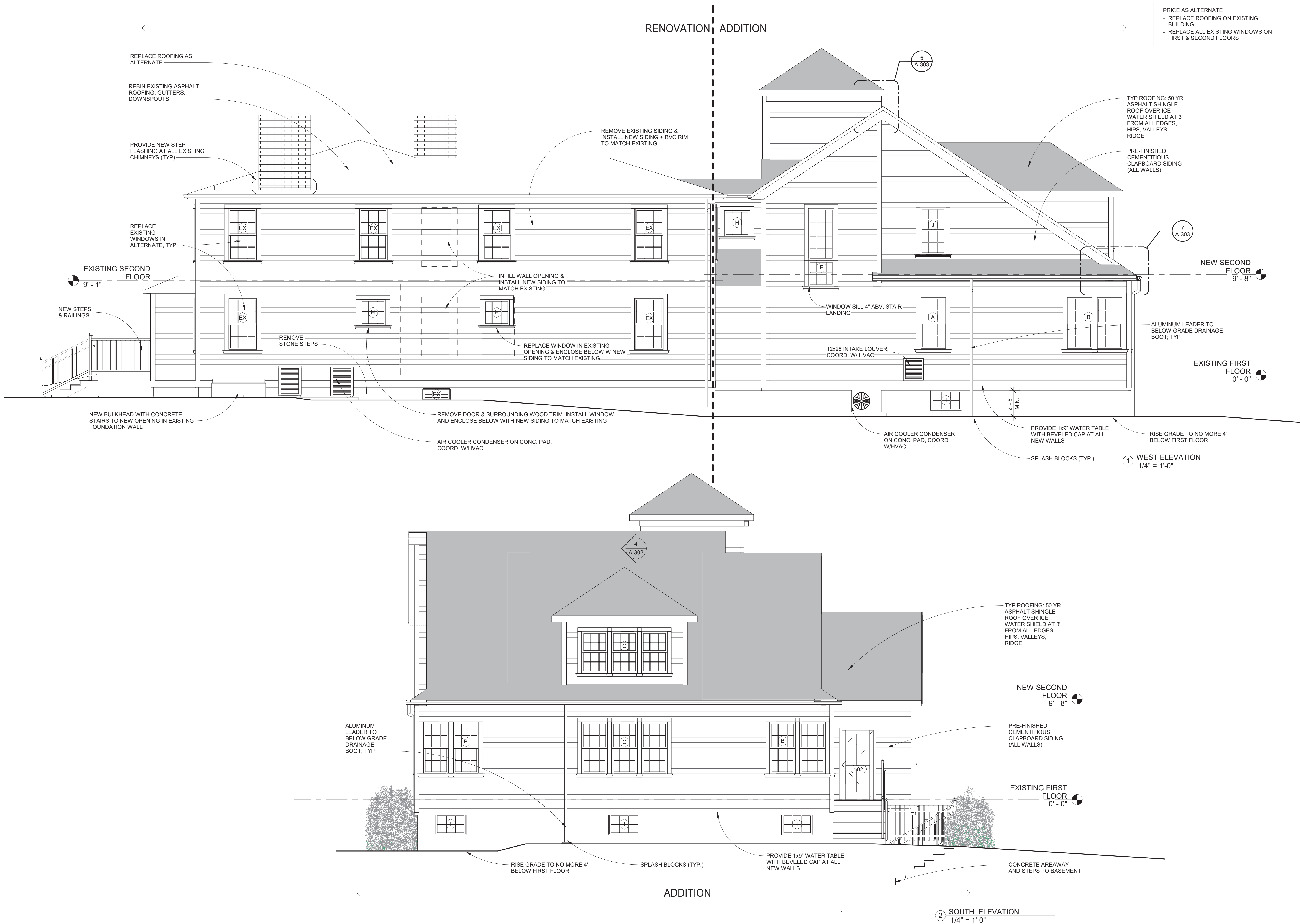
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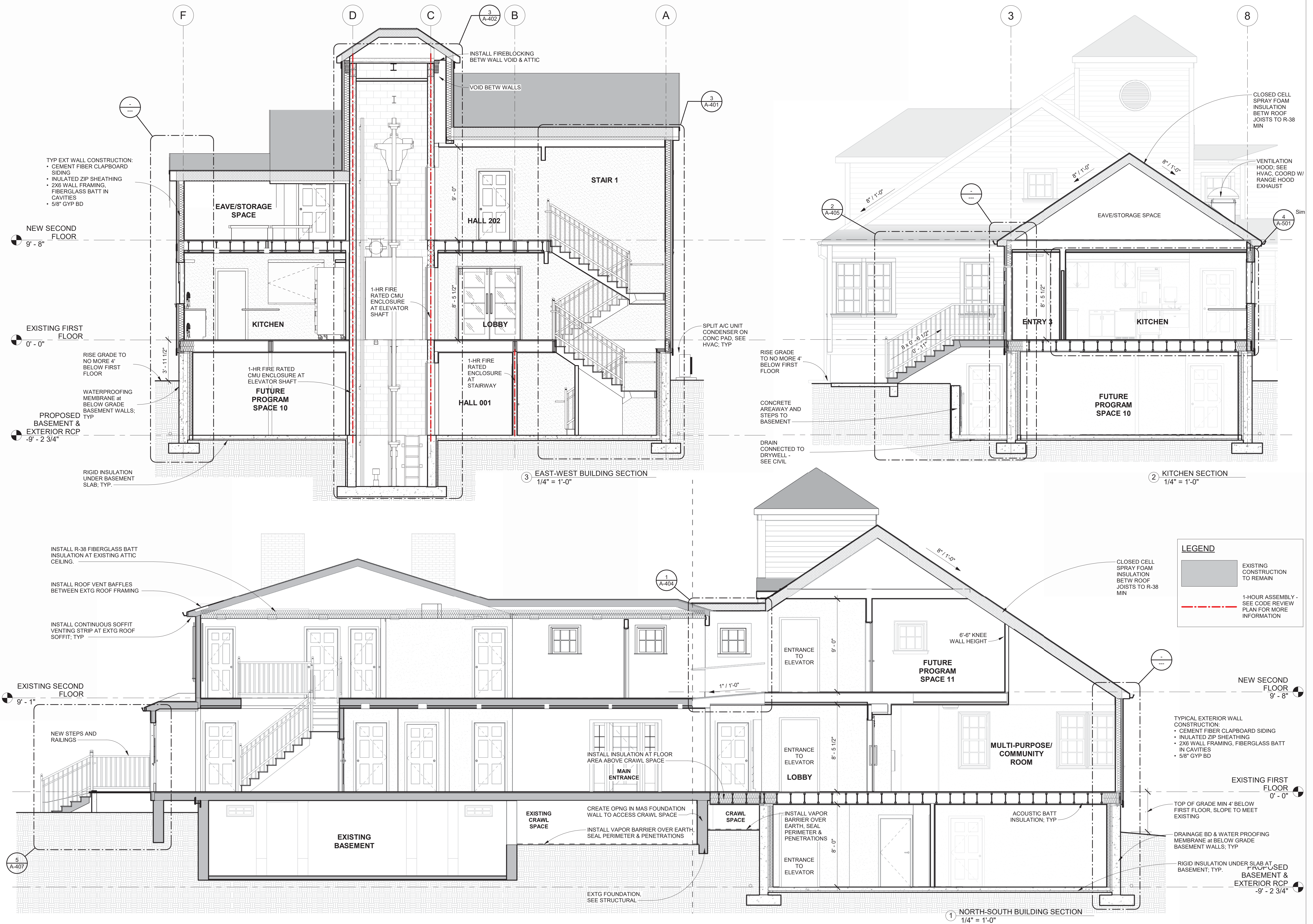
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- RENOVATION — ADDITION -



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WALL SECTIONS

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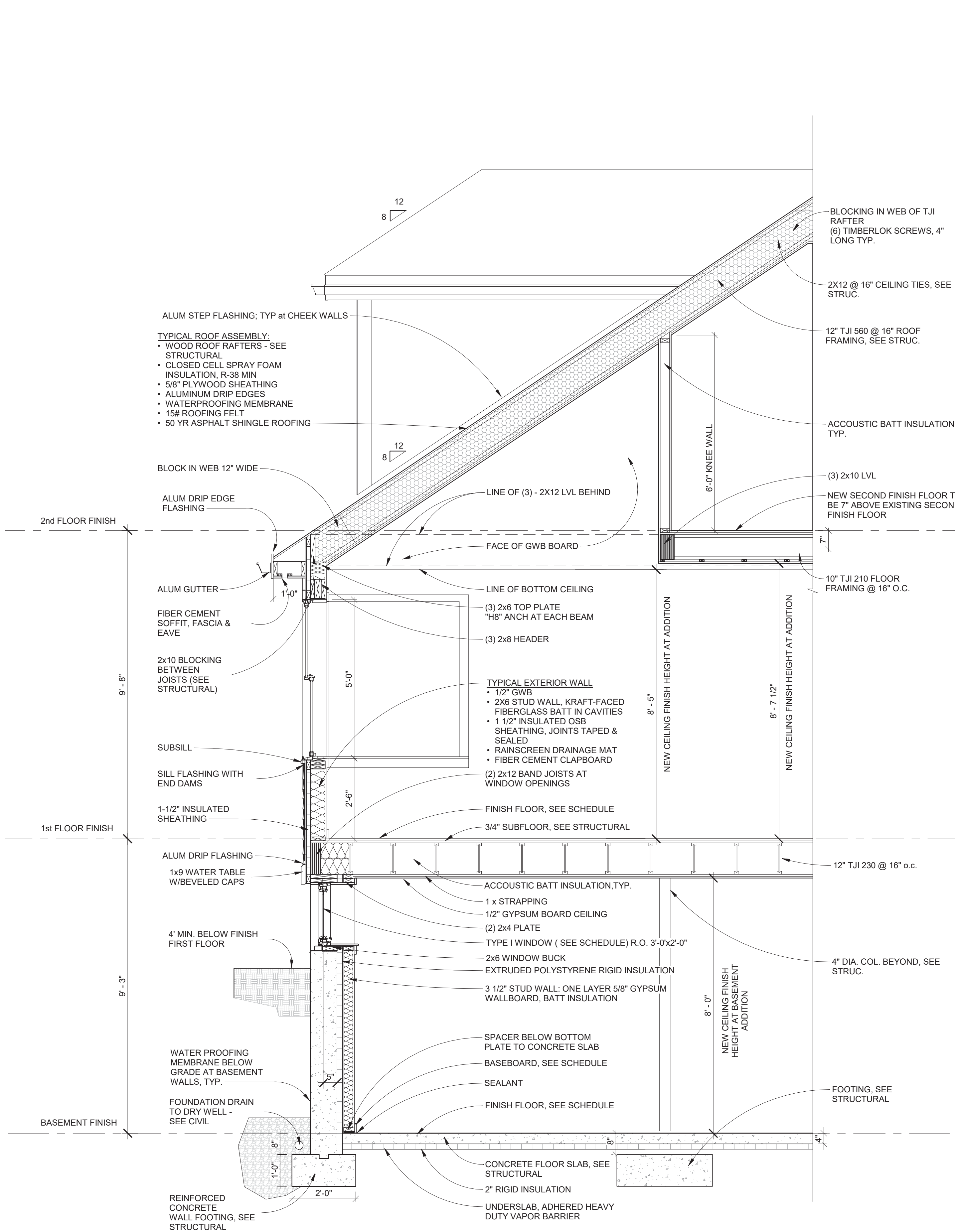
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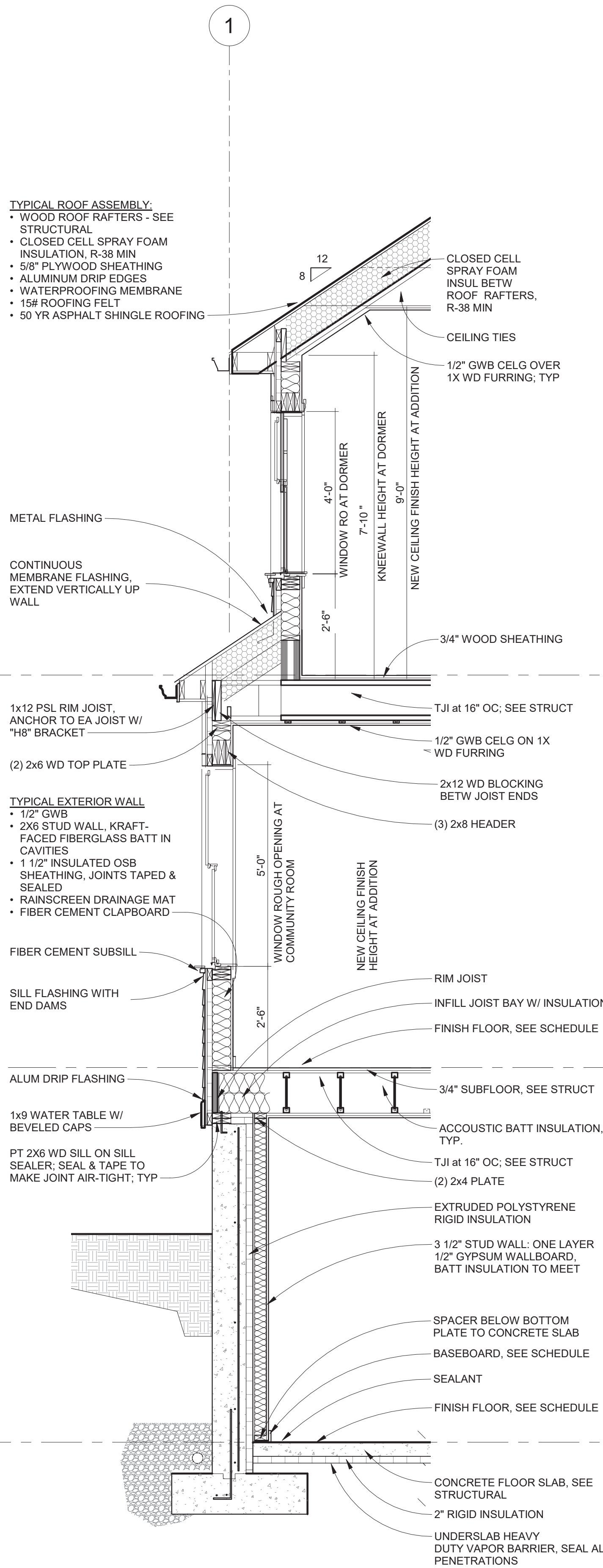
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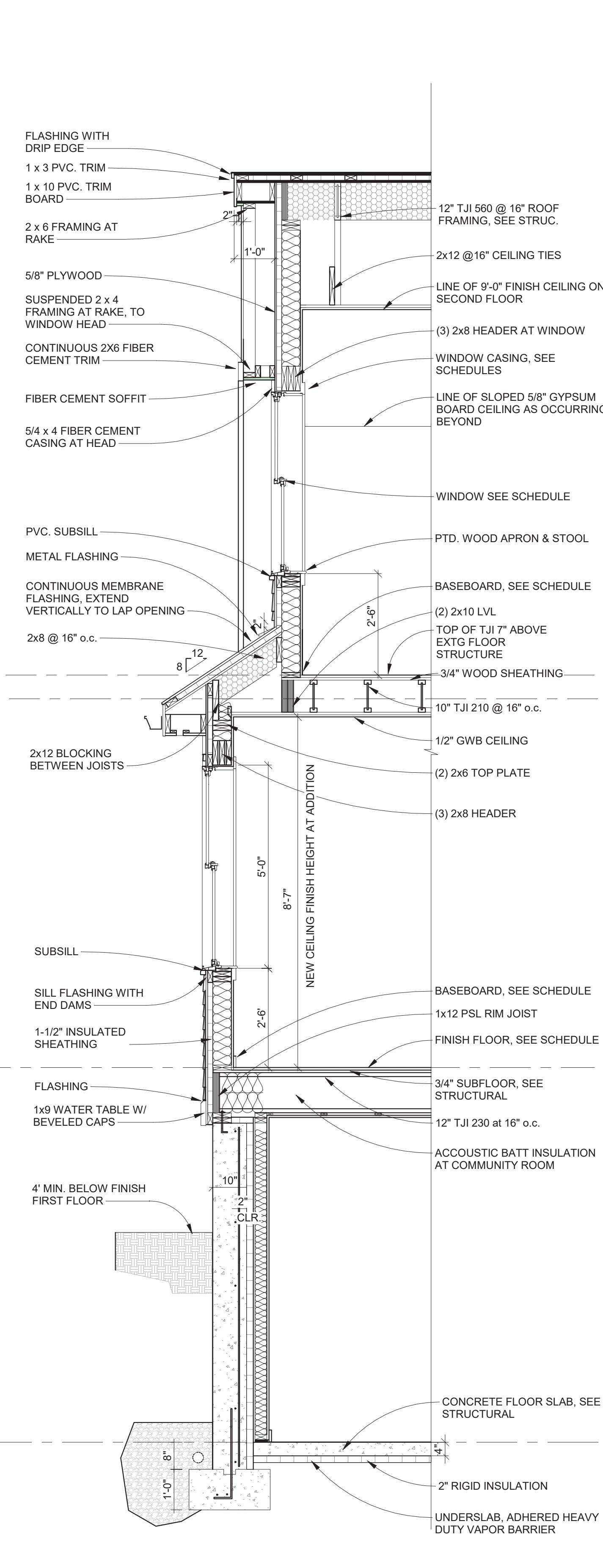
A-302



WALL SECTION AT COMMUNITY ROOM /
EAVE
1/2" = 1'-0"



WALL SECTION at MULTI-PURPOSE
ROOM/DORMER
1/2" = 1'-0"



WALL SECTION AT FRONT & REAR
GABLES
1/2" = 1'-0"



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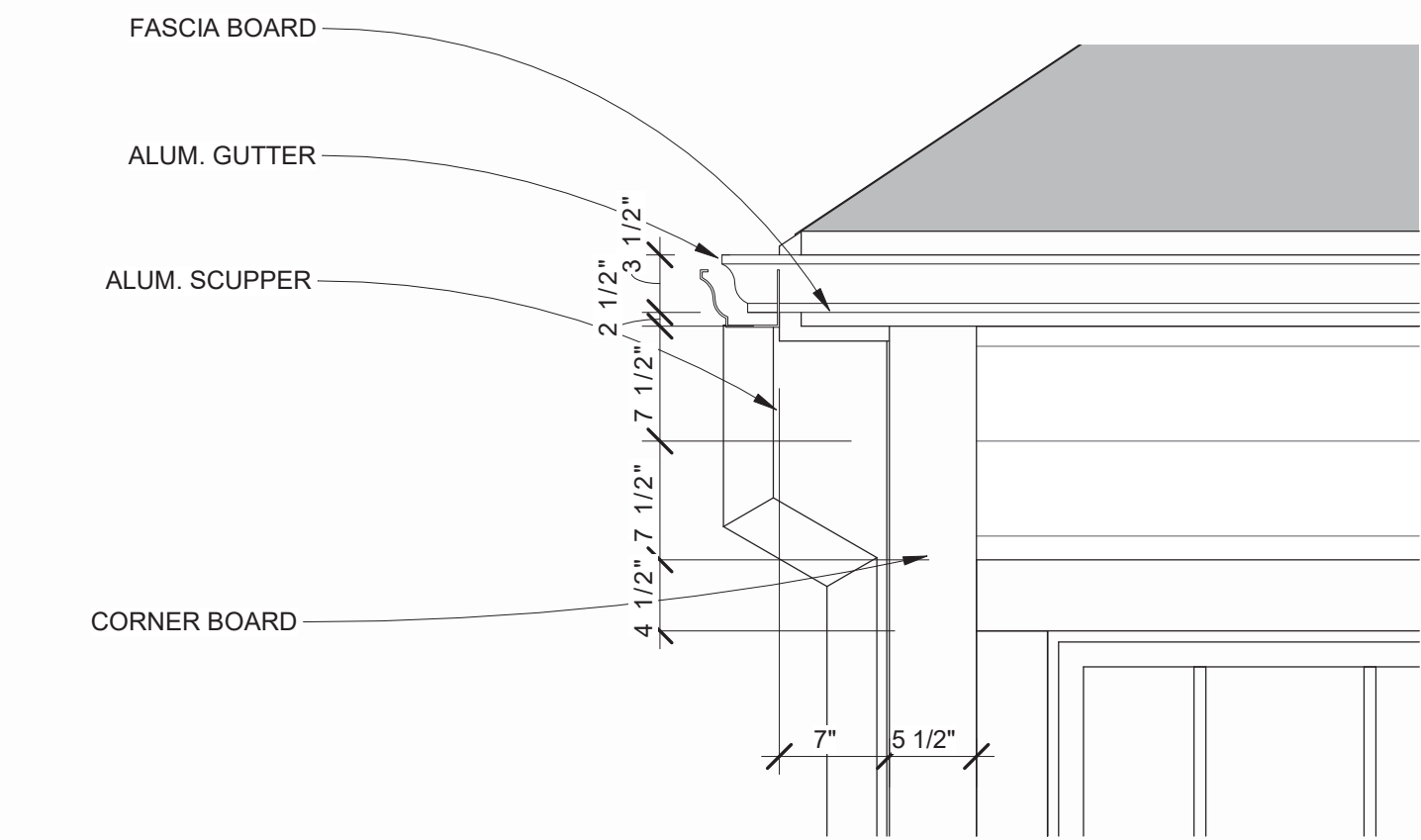
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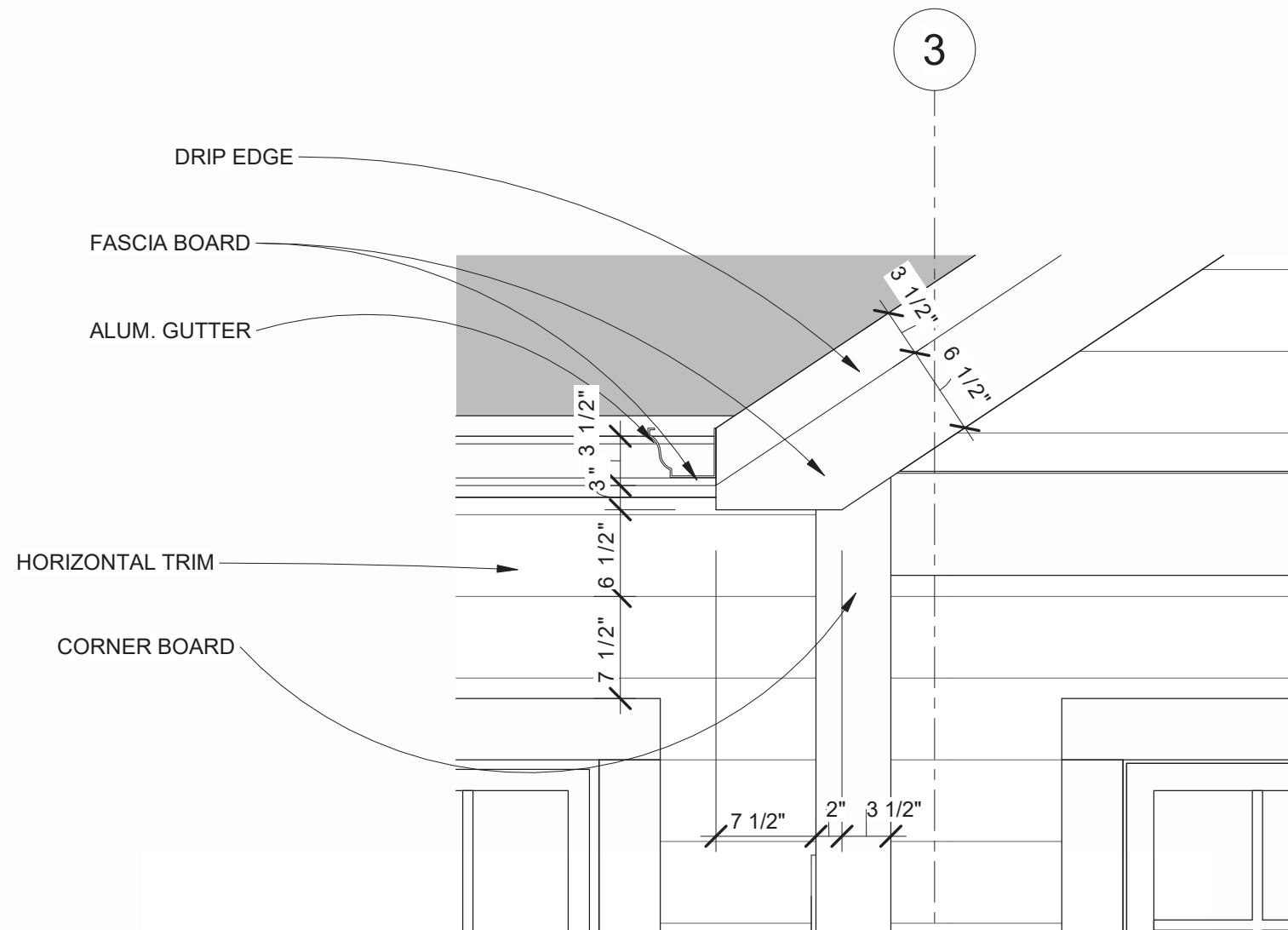
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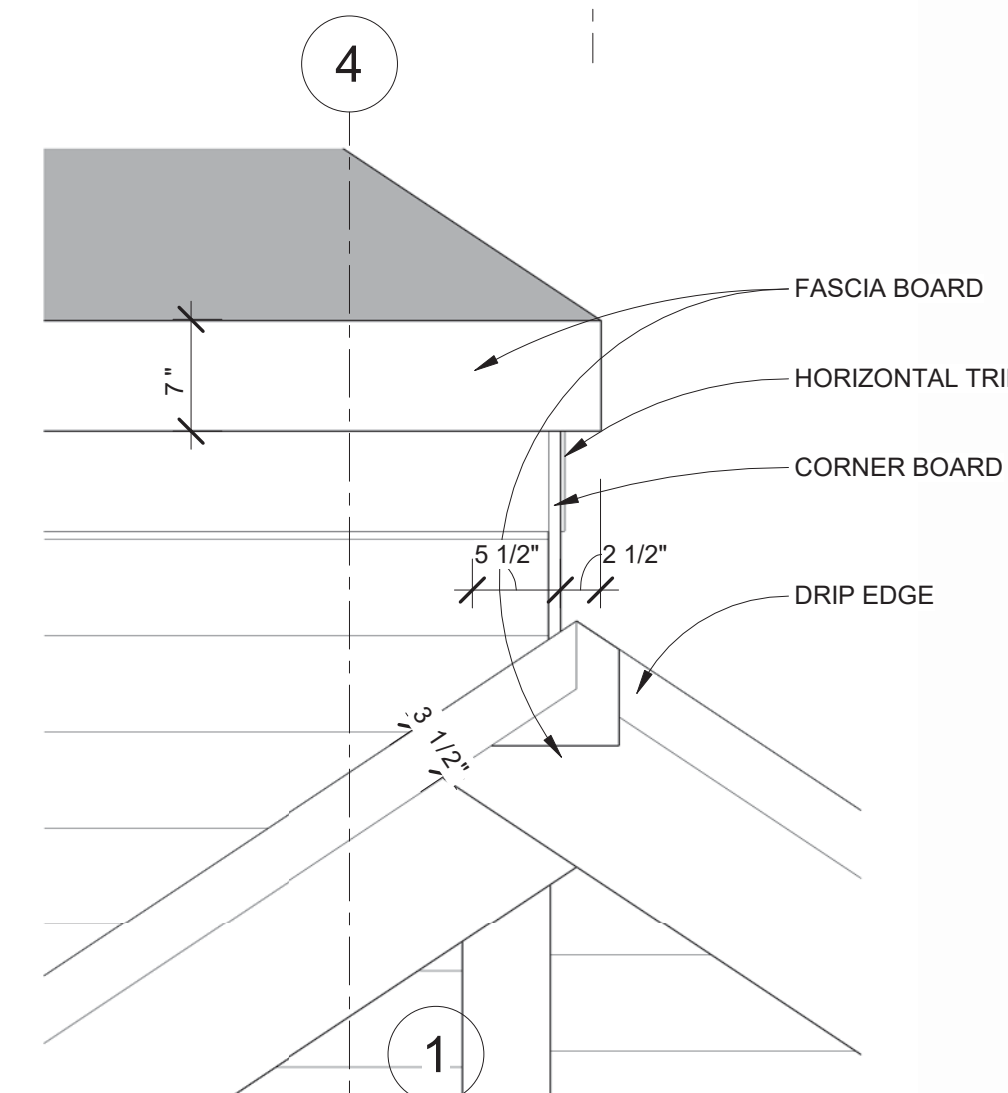
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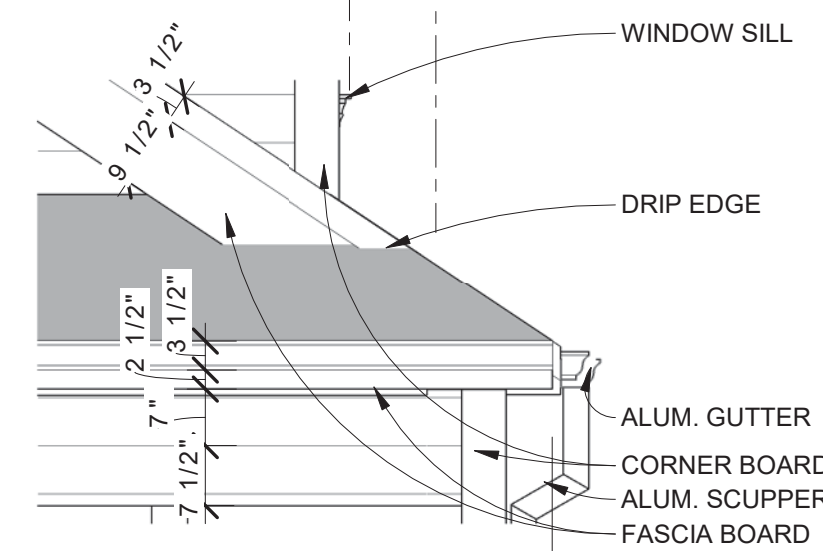
2 EAST ELEVATION - Callout 1
1" = 1'-0"



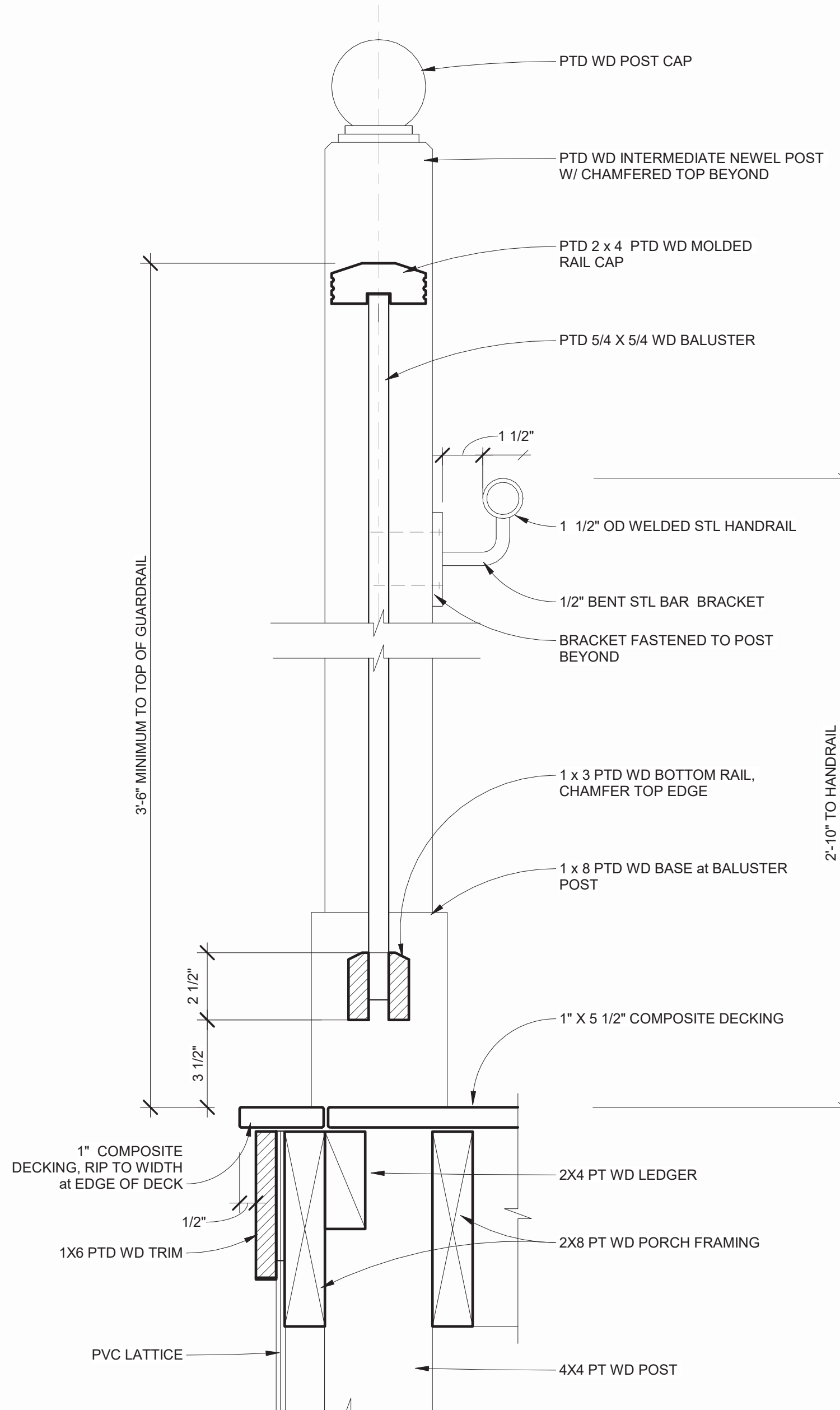
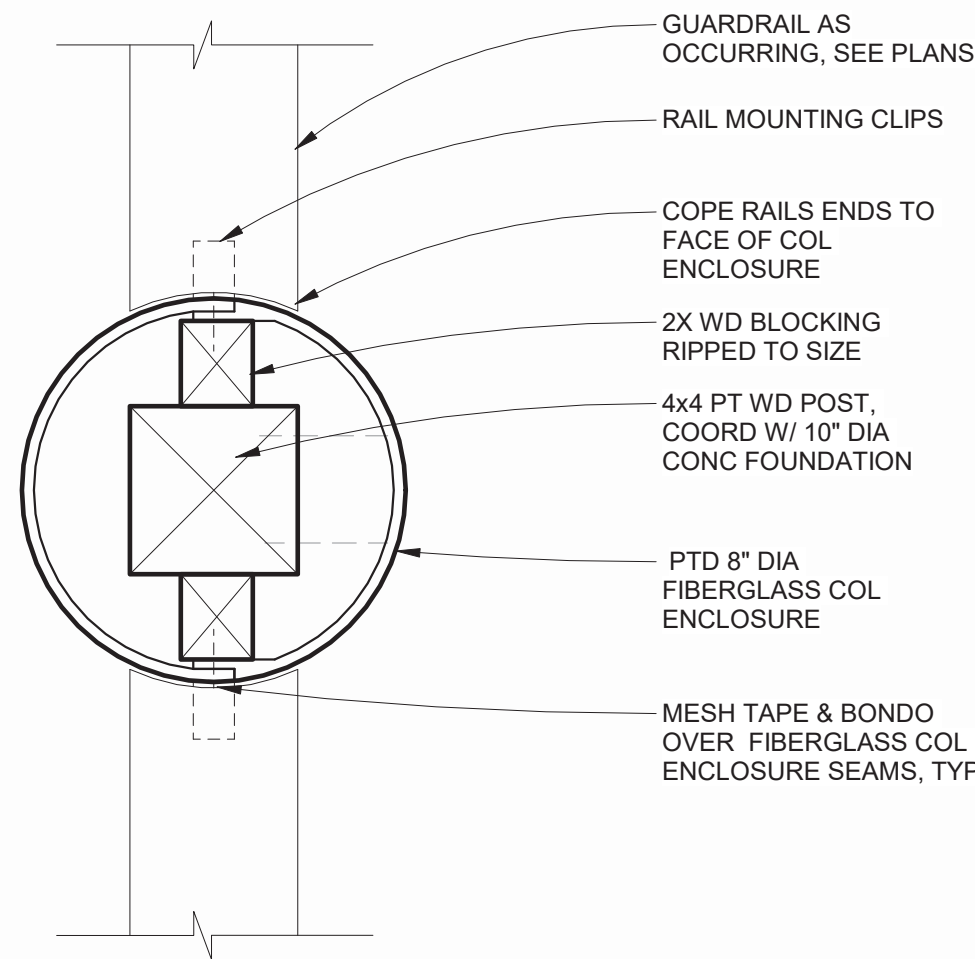
3 EAST ELEVATION - Callout 2
1" = 1'-0"



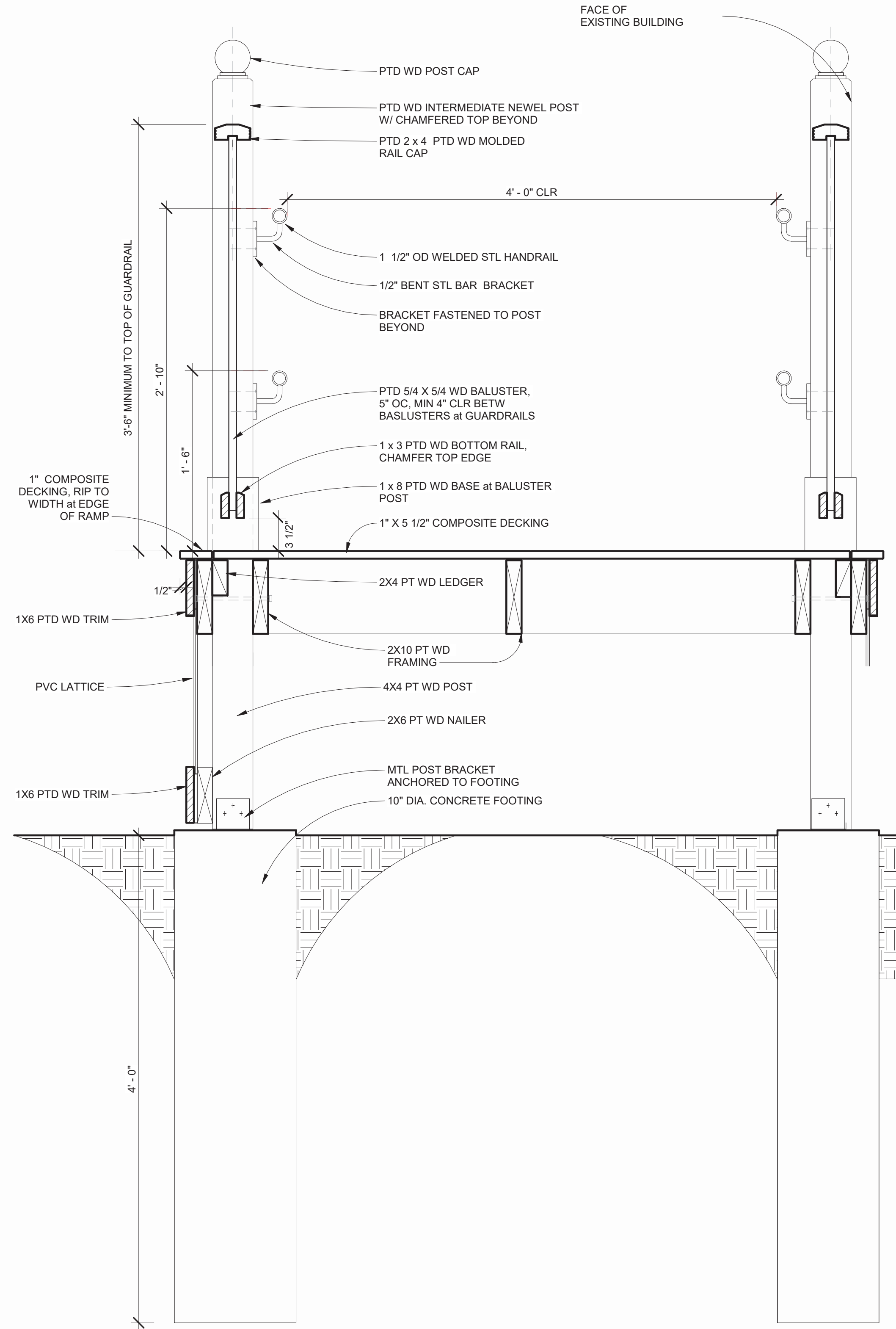
5 WEST ELEVATION - Callout 1
1" = 1'-0"



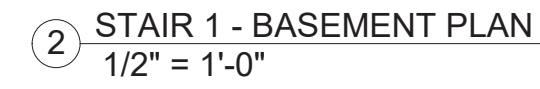
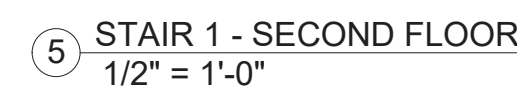
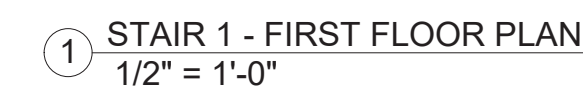
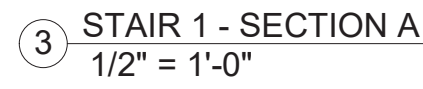
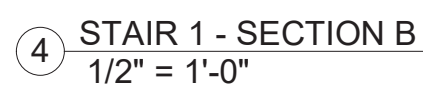
7 WEST ELEVATION - Callout 2
1/2" = 1'-0"

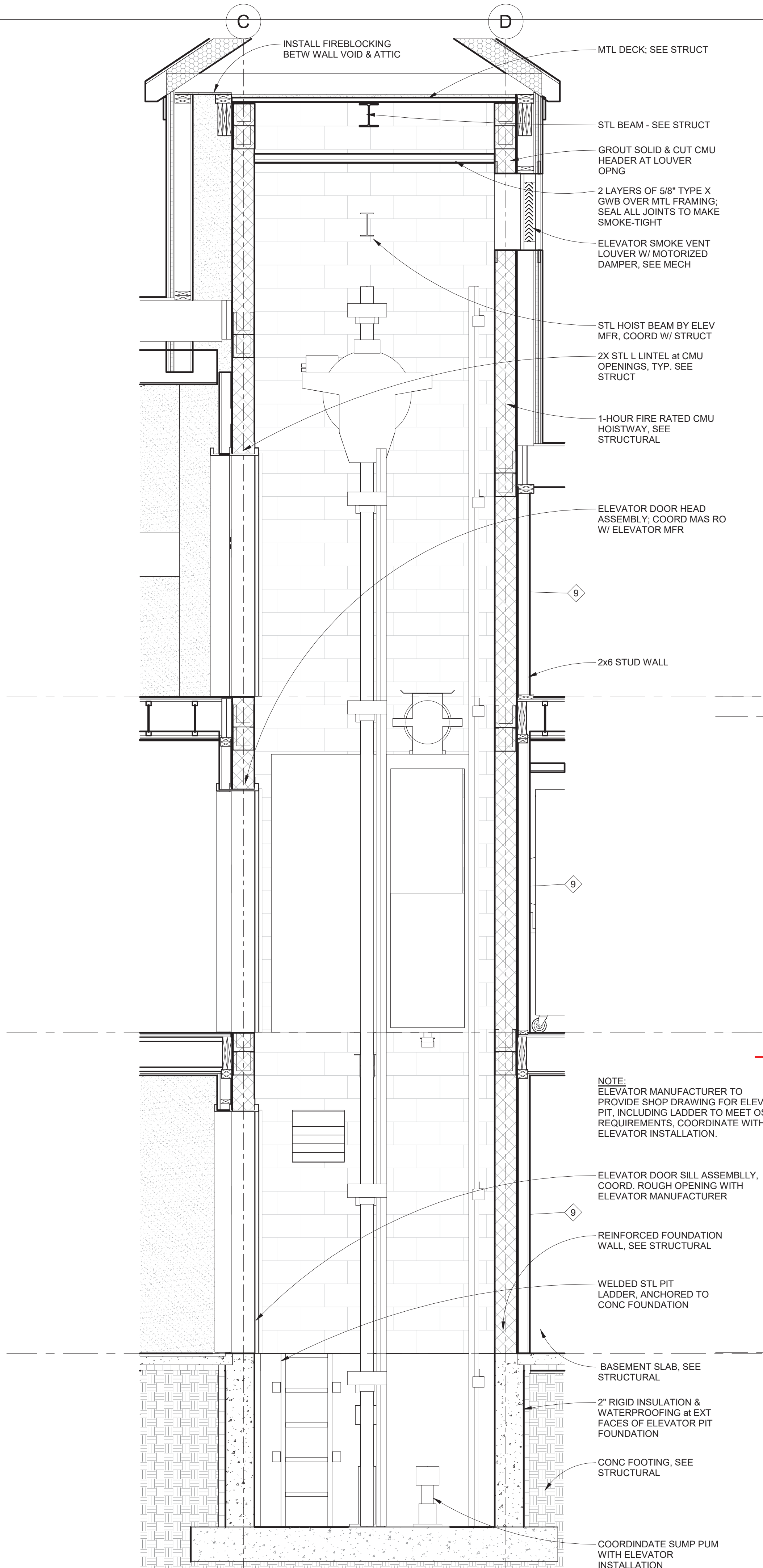


4 SECTION AT PORCH GUARDRAIL
3" = 1'-0"

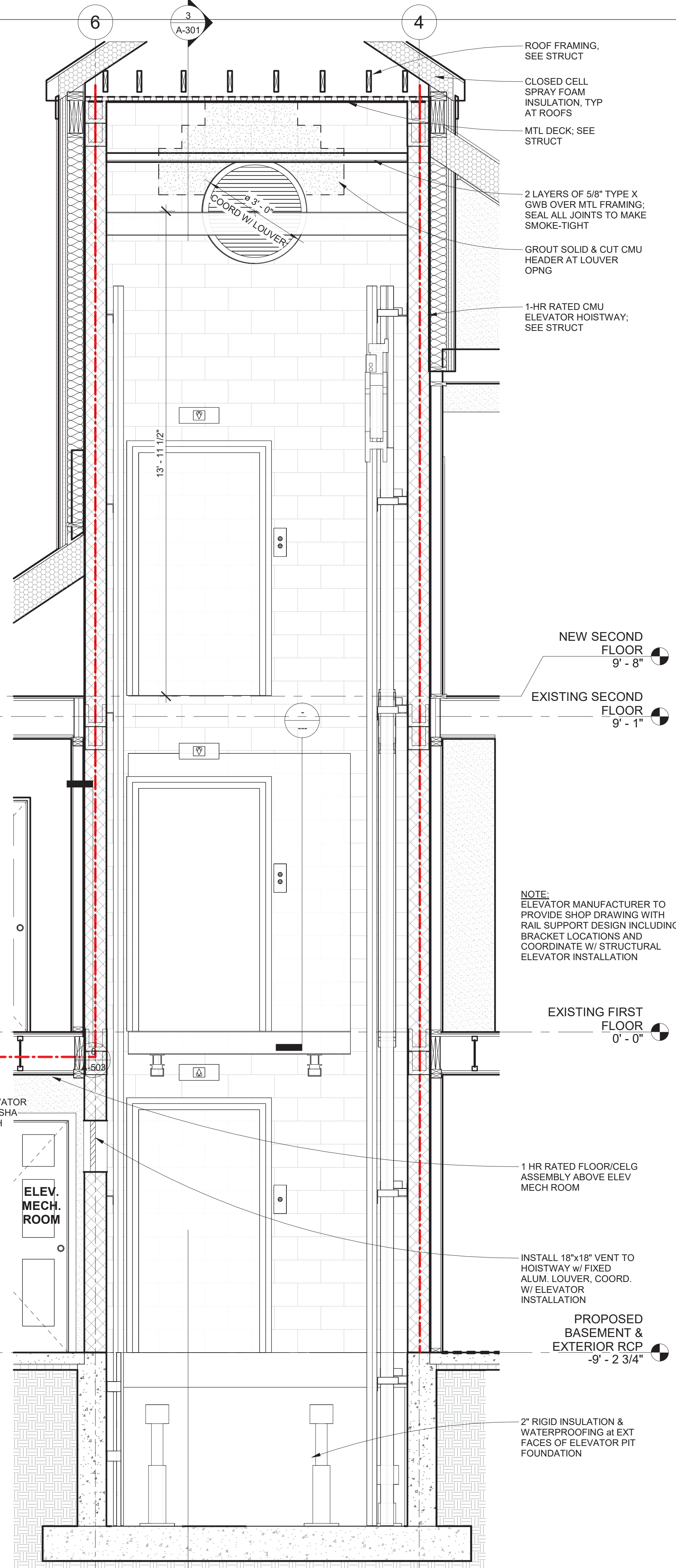


6 SECTION AT RAMP RAIL
1 1/2" = 1'-0"

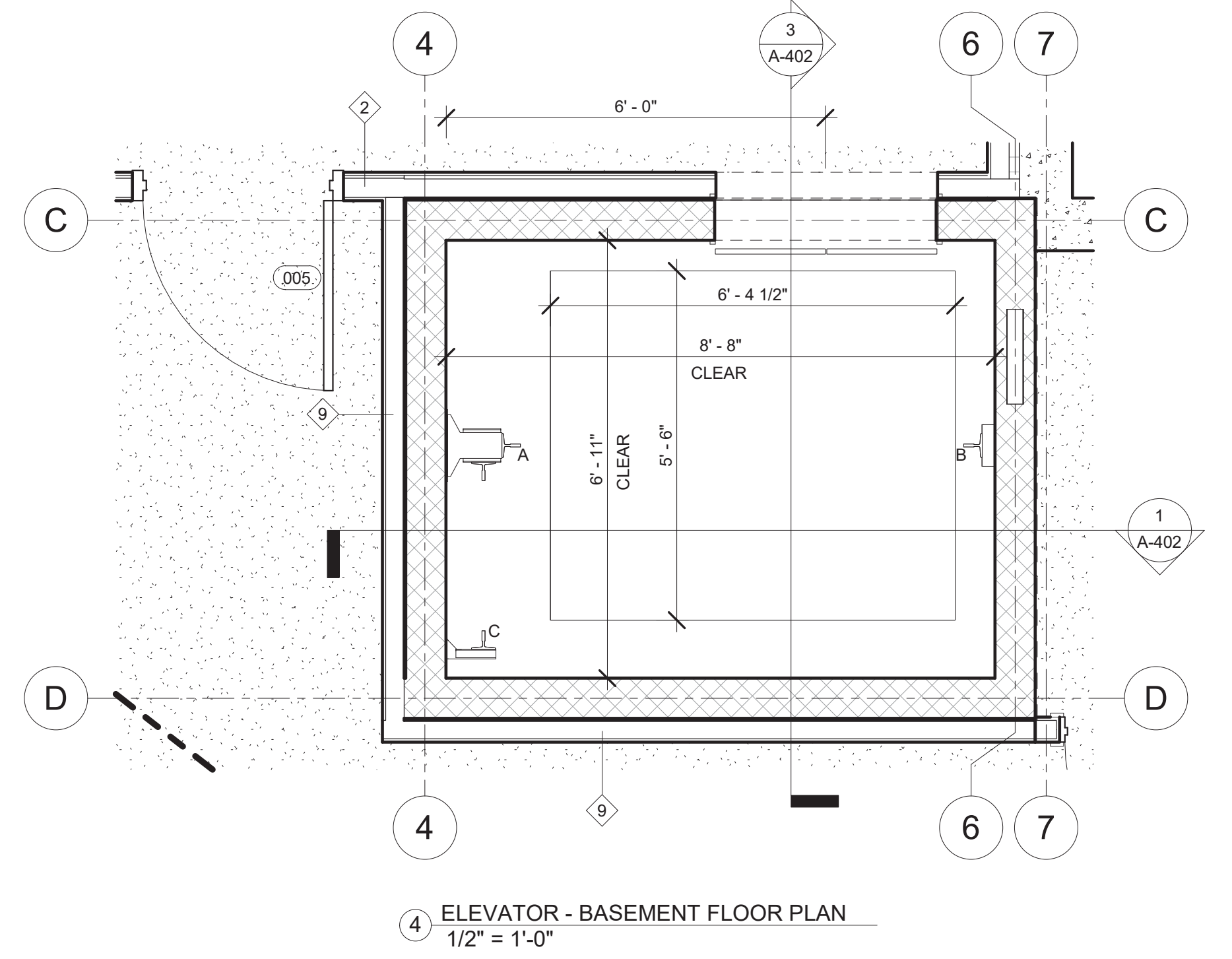
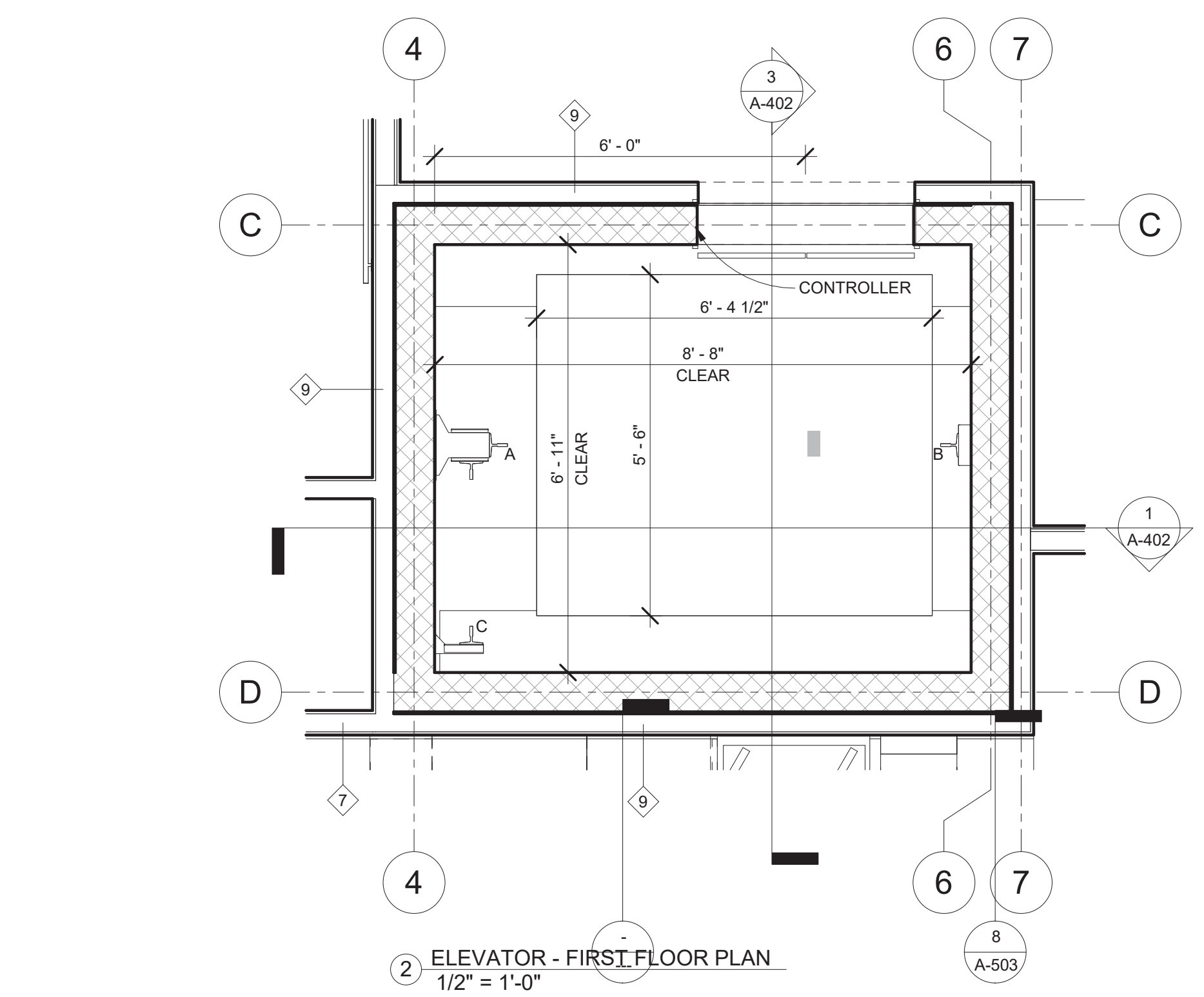
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3 ELEVATOR - SECTION LOOKING NORTH
1/2" = 1'-0"



1 ELEVATOR - SECTION LOOKING EAST
1/2" = 1'-0"



NOTE:
ELEVATOR MANUFACTURER TO SUBMIT RAIL SUPPORT
DESIGN, GC TO COORDINATE W/ STRUCTURAL

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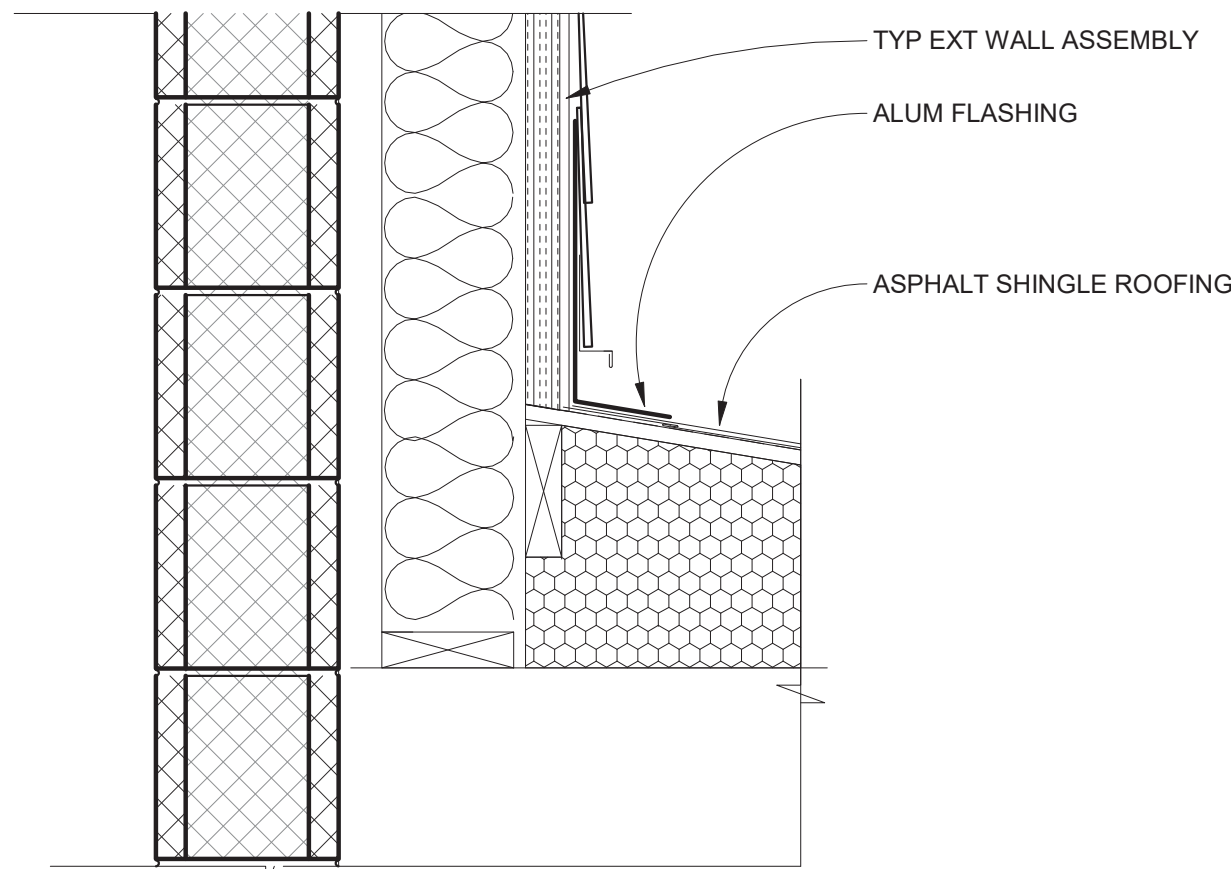
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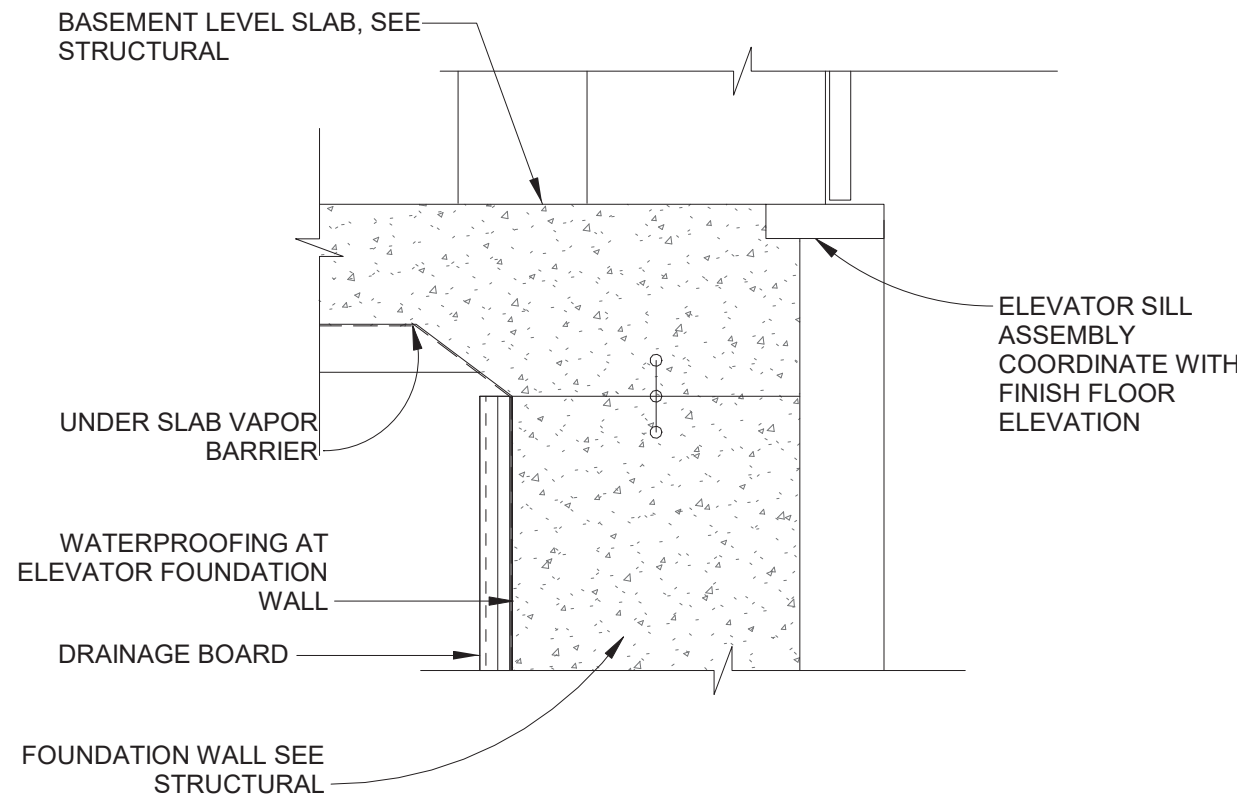
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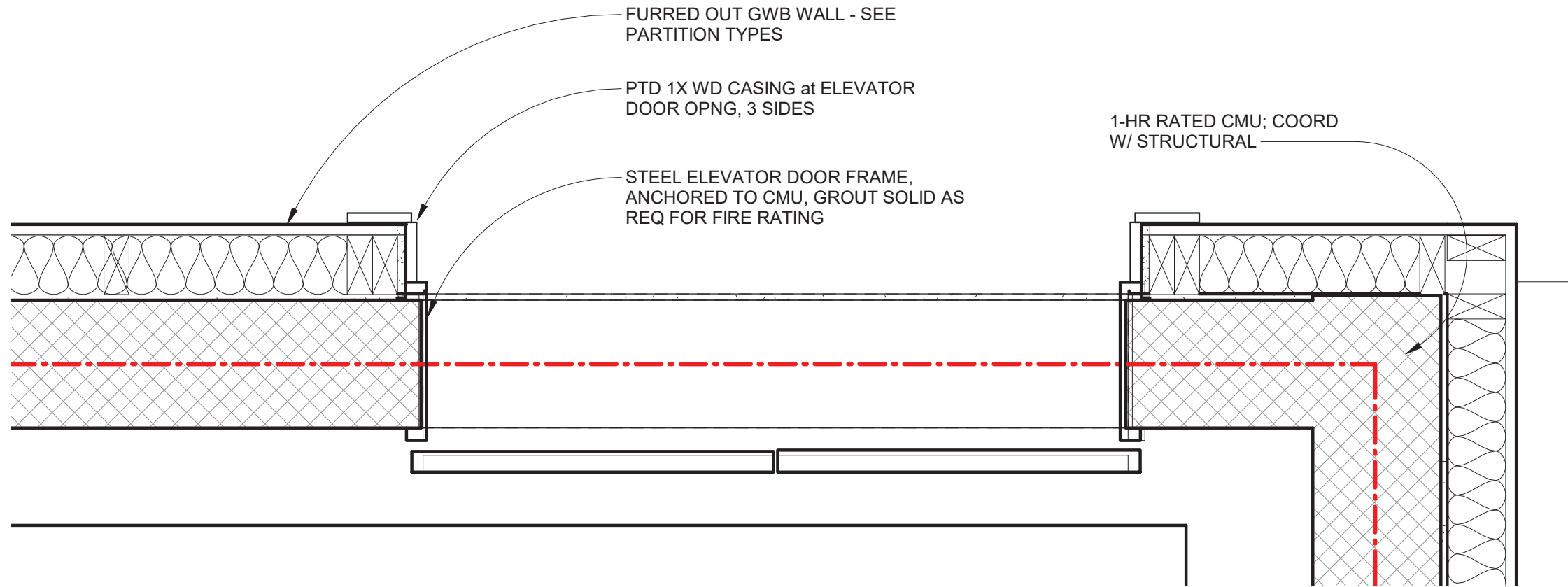
A-403



3 WALL SECTION AT ROOF/ELEVATOR SHAFT
SCALE: 1 1/2" = 1'-0"



4 SECTION AT TOP OF WALL SILL
SCALE: 1 1/2" = 1'-0"



2 ELEVATOR - FIRST FLOOR PLAN DETAIL
1 1/2" = 1'-0"

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INTERIOR
RAMP

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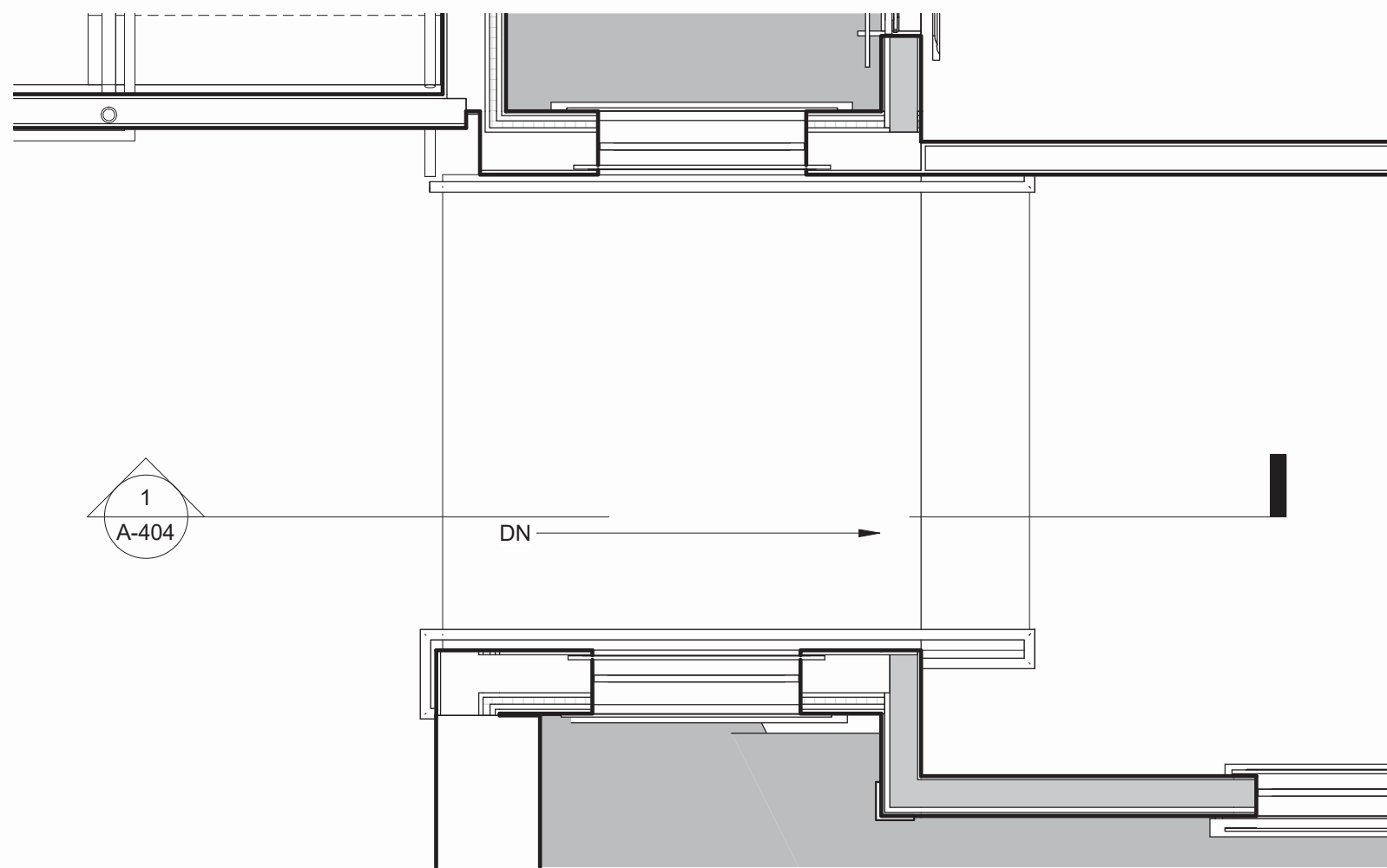
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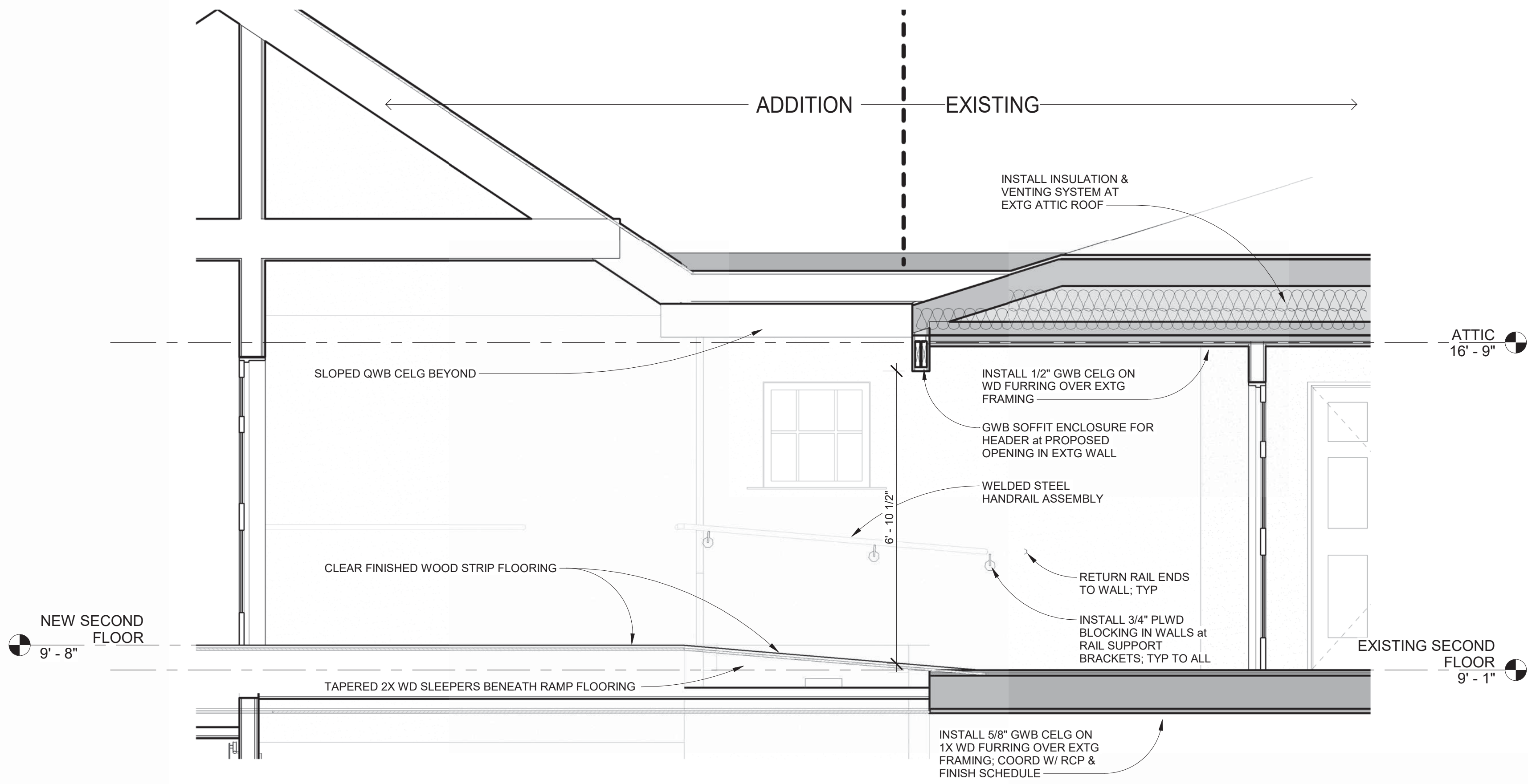
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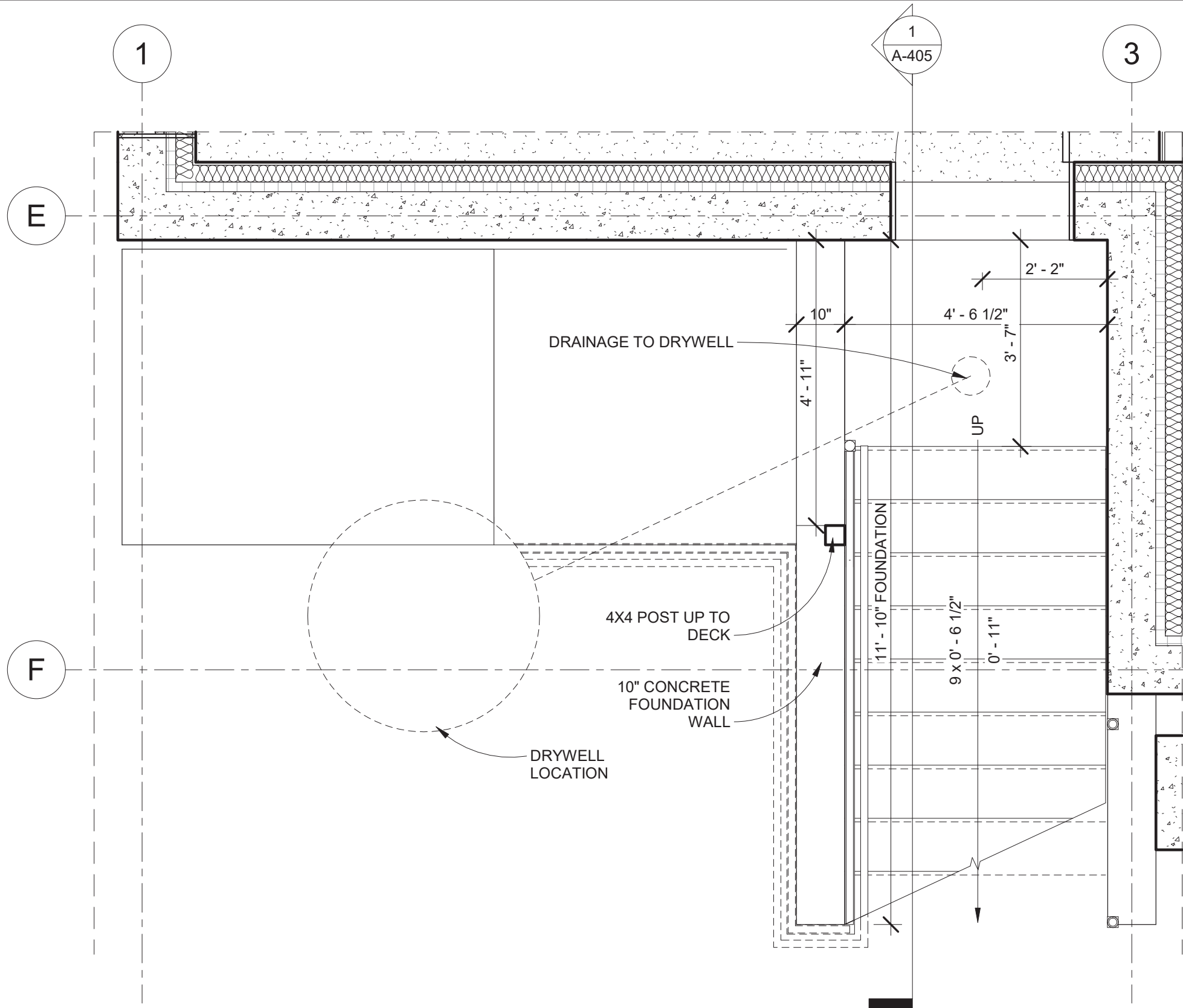
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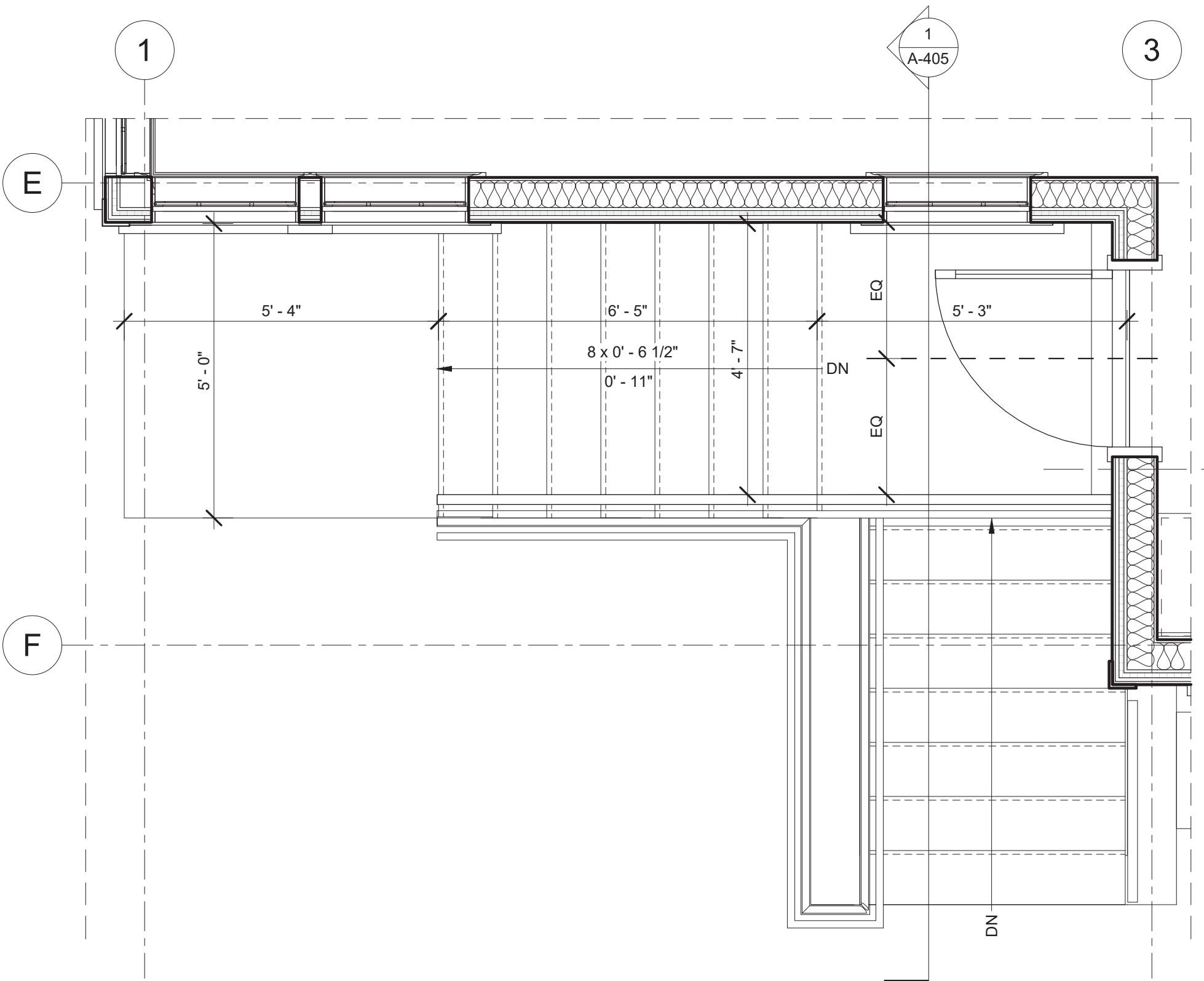
3 INTERIOR RAMP PLAN
1/2" = 1'-0"



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

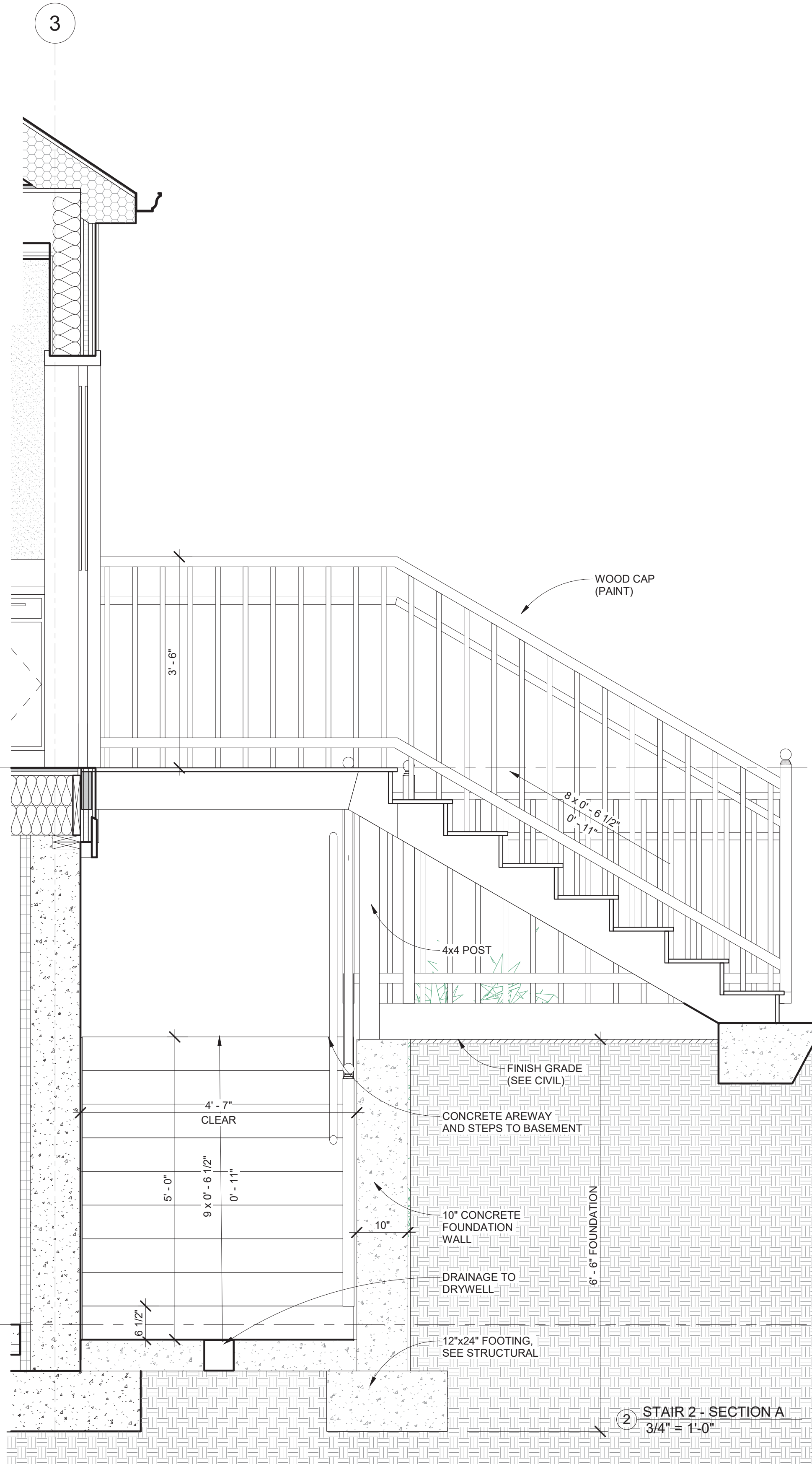


4 BASEMENT STAIR 2 PLAN
1/2" = 1'-0"

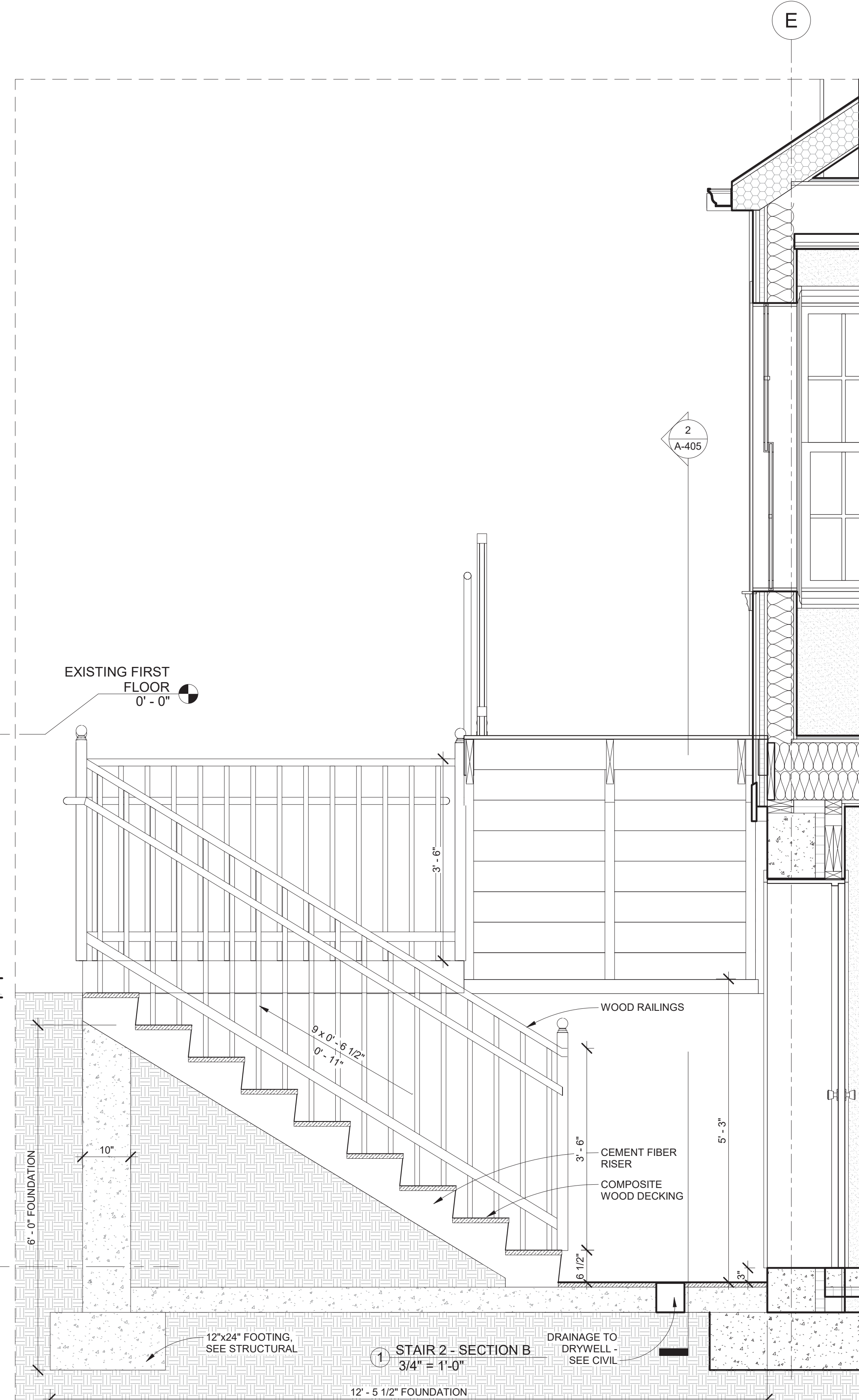


3 FIRST FLOOR STAIR 2 PLAN
1/2" = 1'-0"

PROPOSED BASEMENT & EXTERIOR RCP
-9" - 2 3/4"



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



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

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STAIR 2

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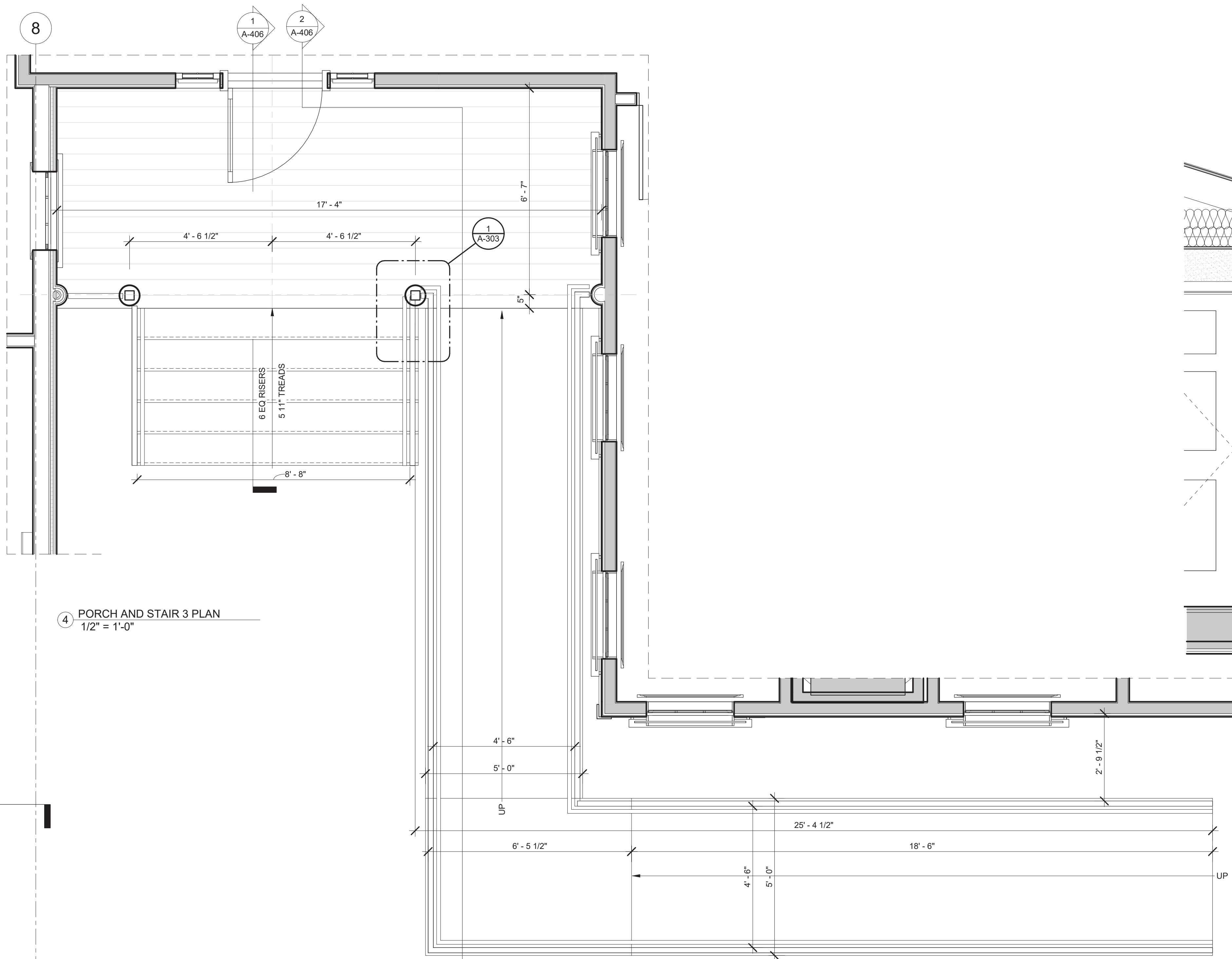
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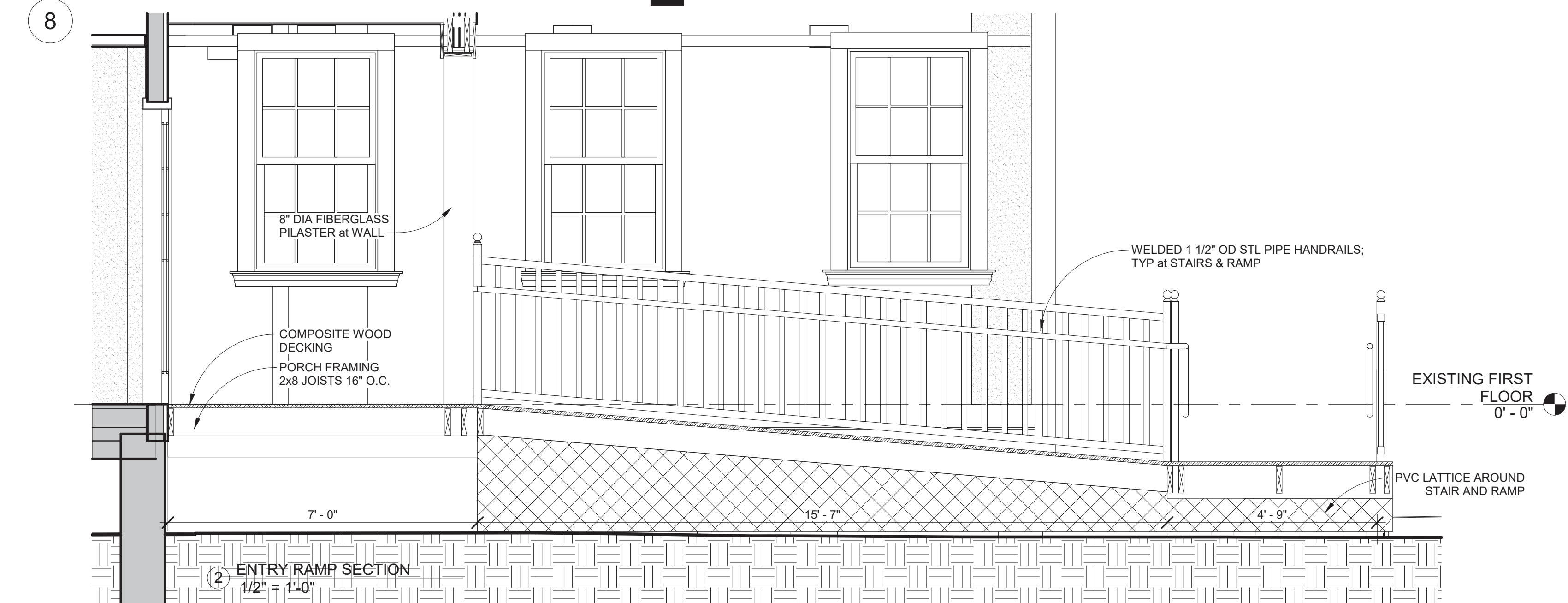
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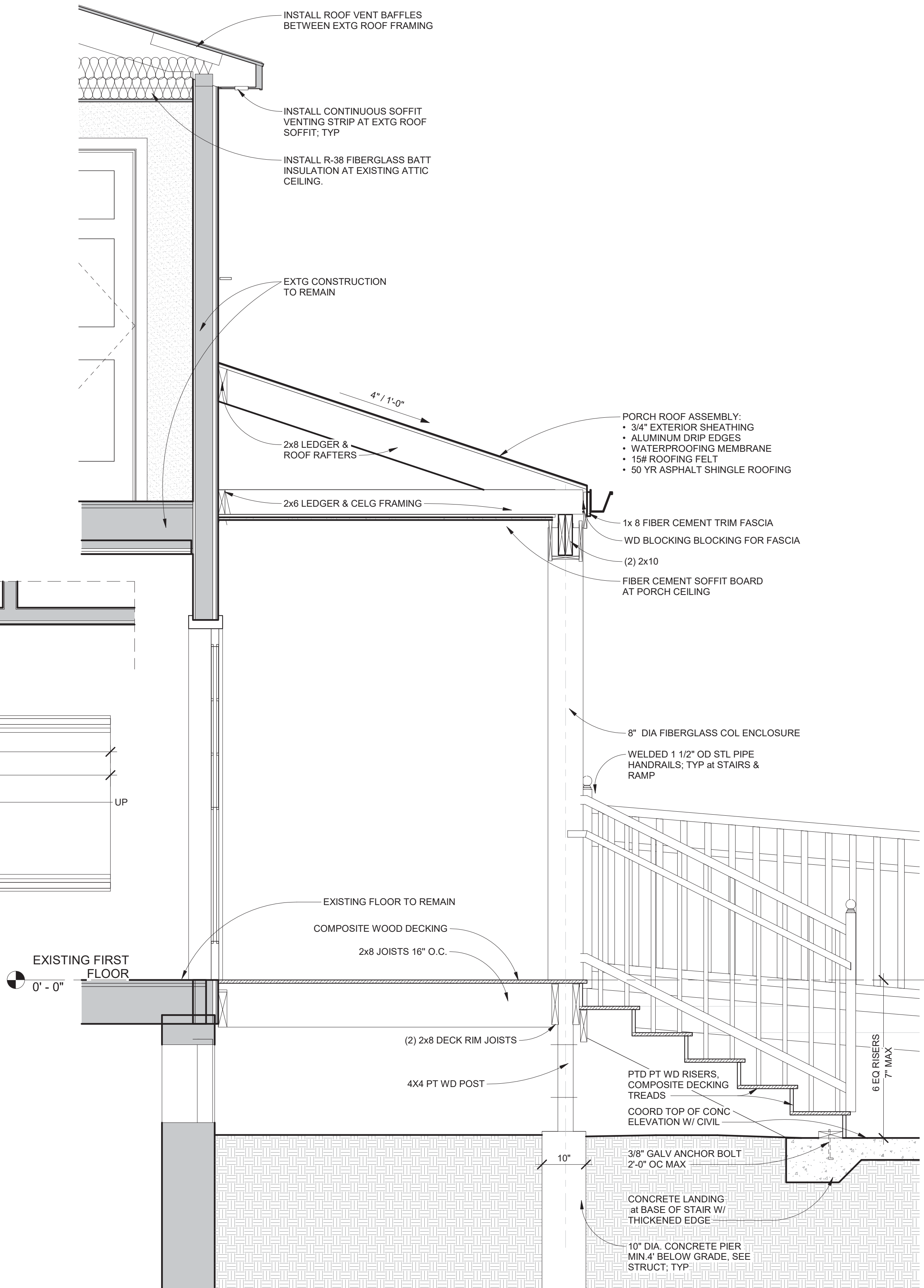
A-405



4 PORCH AND STAIR 3 PLAN
1/2" = 1'-0"



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



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

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PORCH RAMP AND STAIR 3

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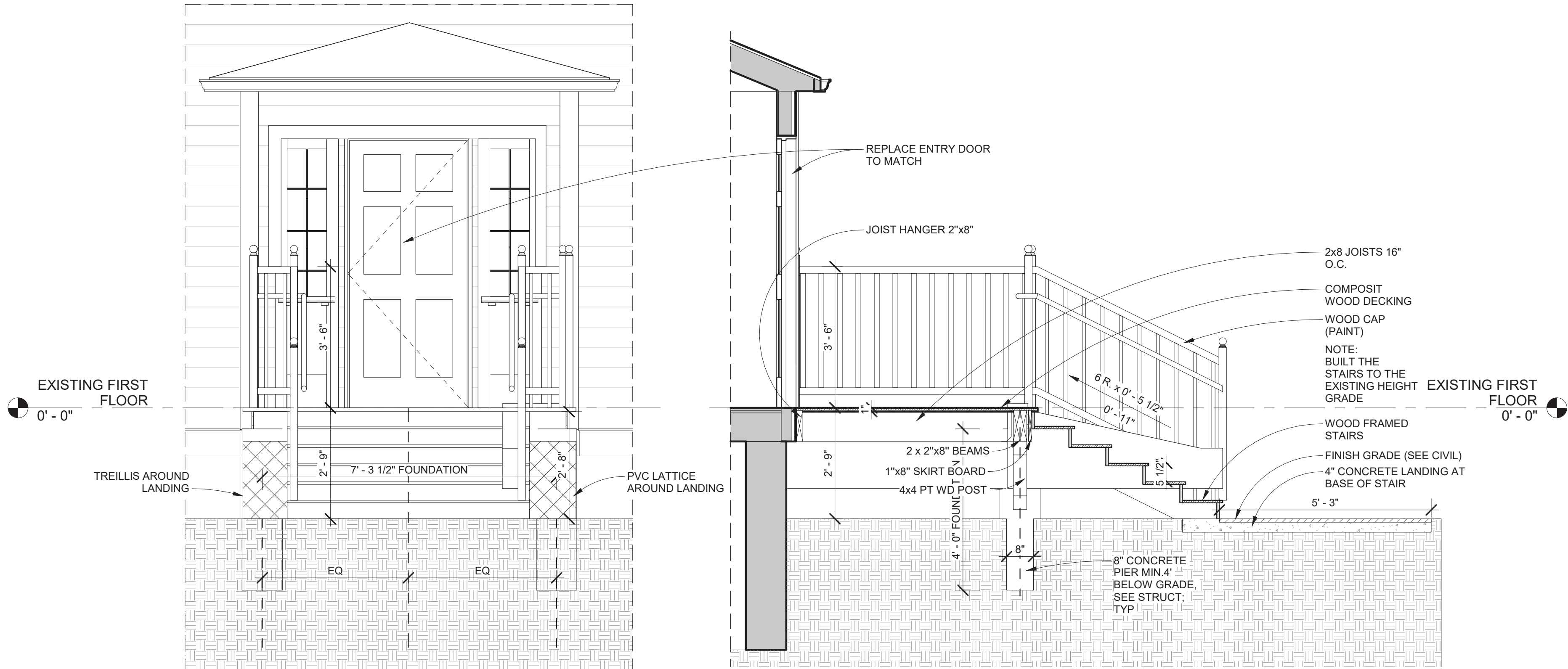
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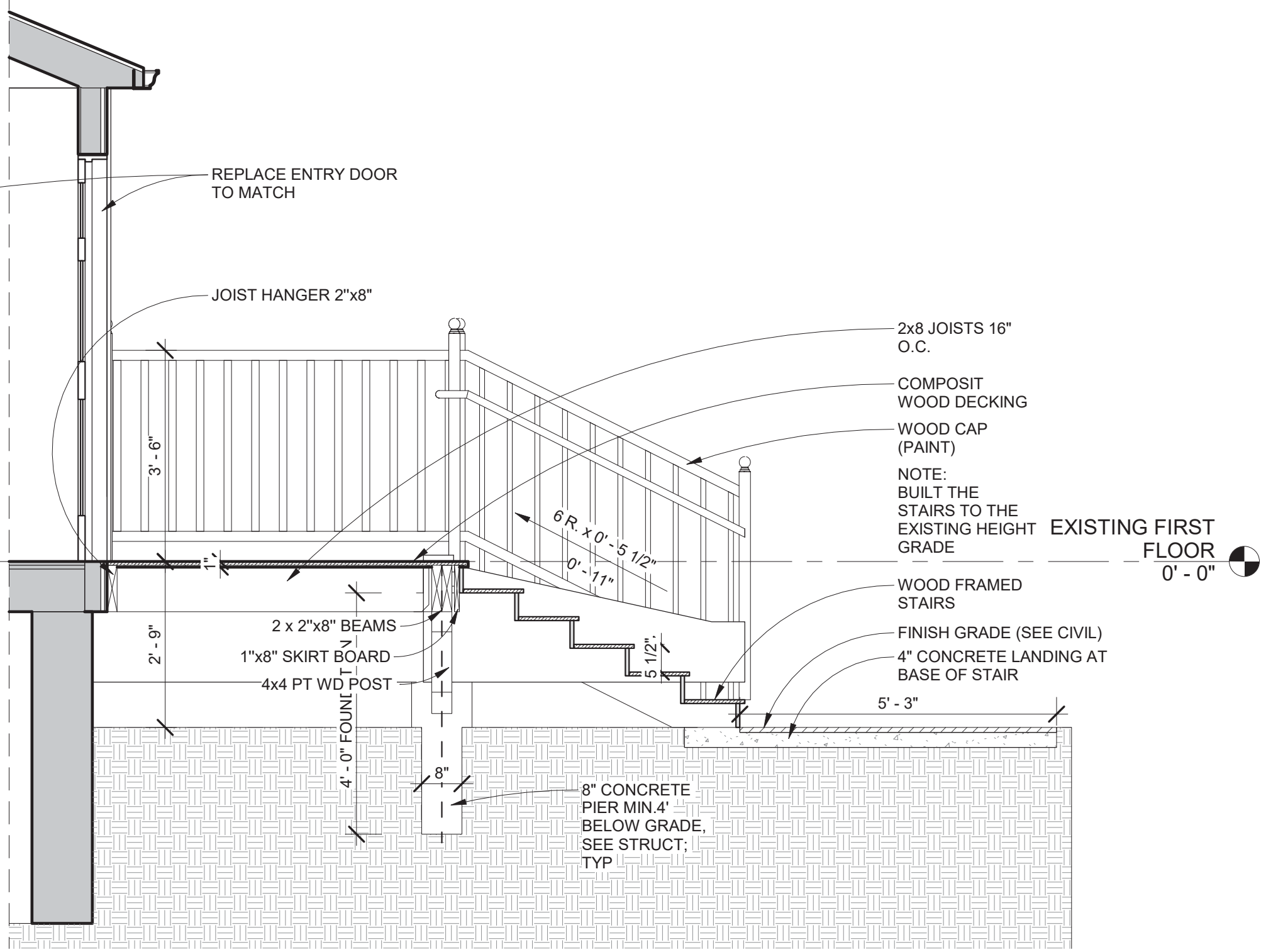
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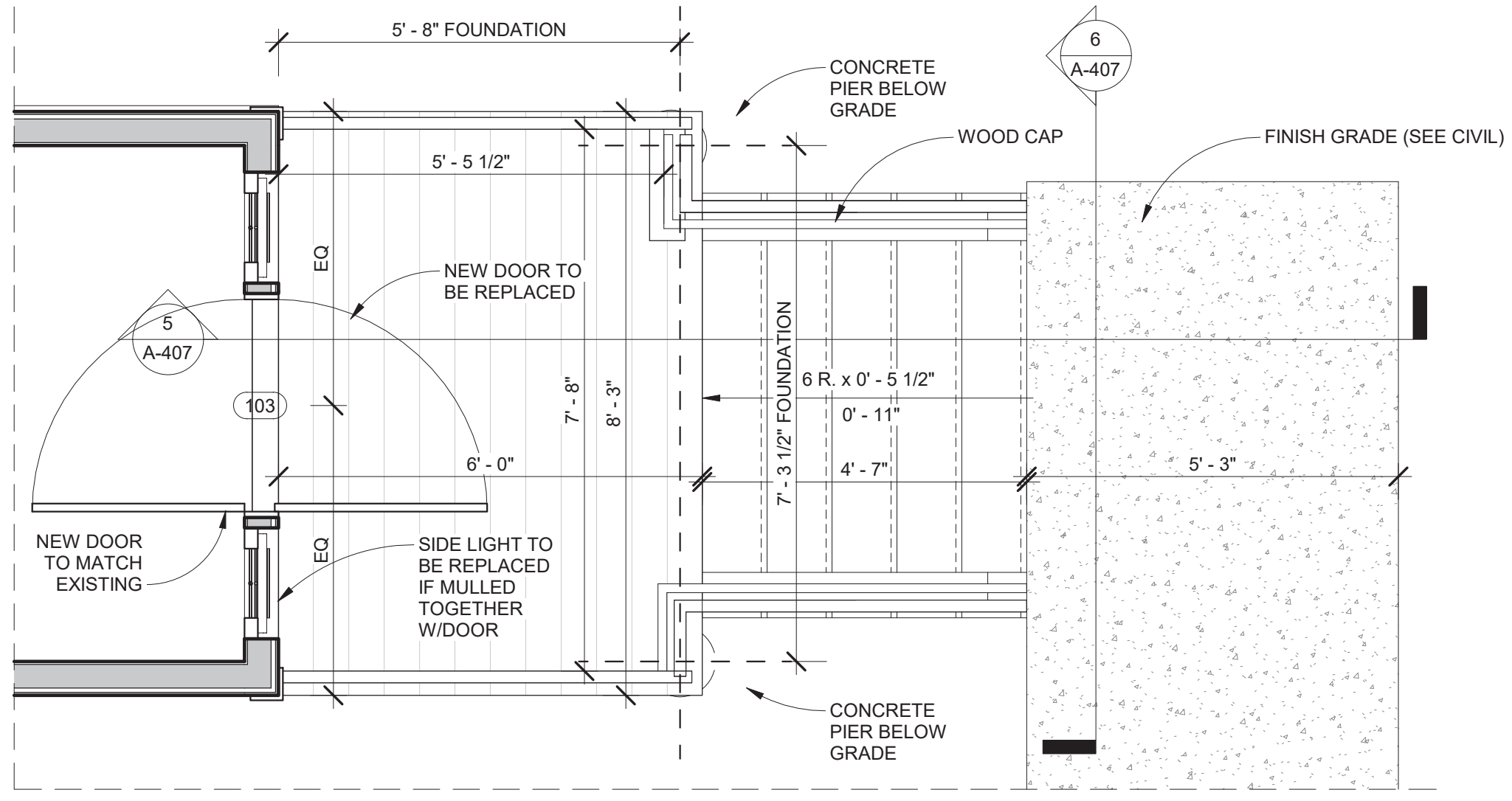
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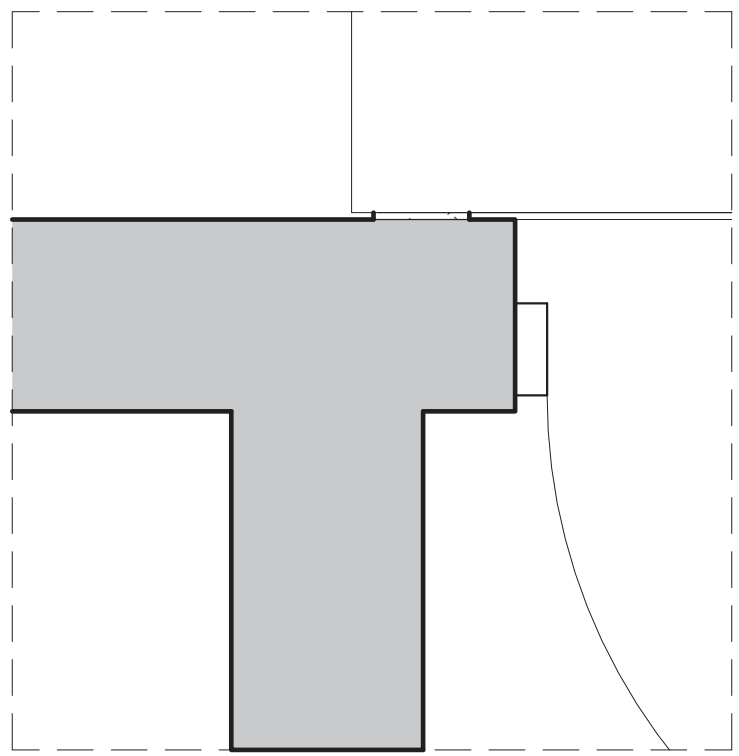
6 STAIR 5 - SECTION B
1/2" = 1'-0"



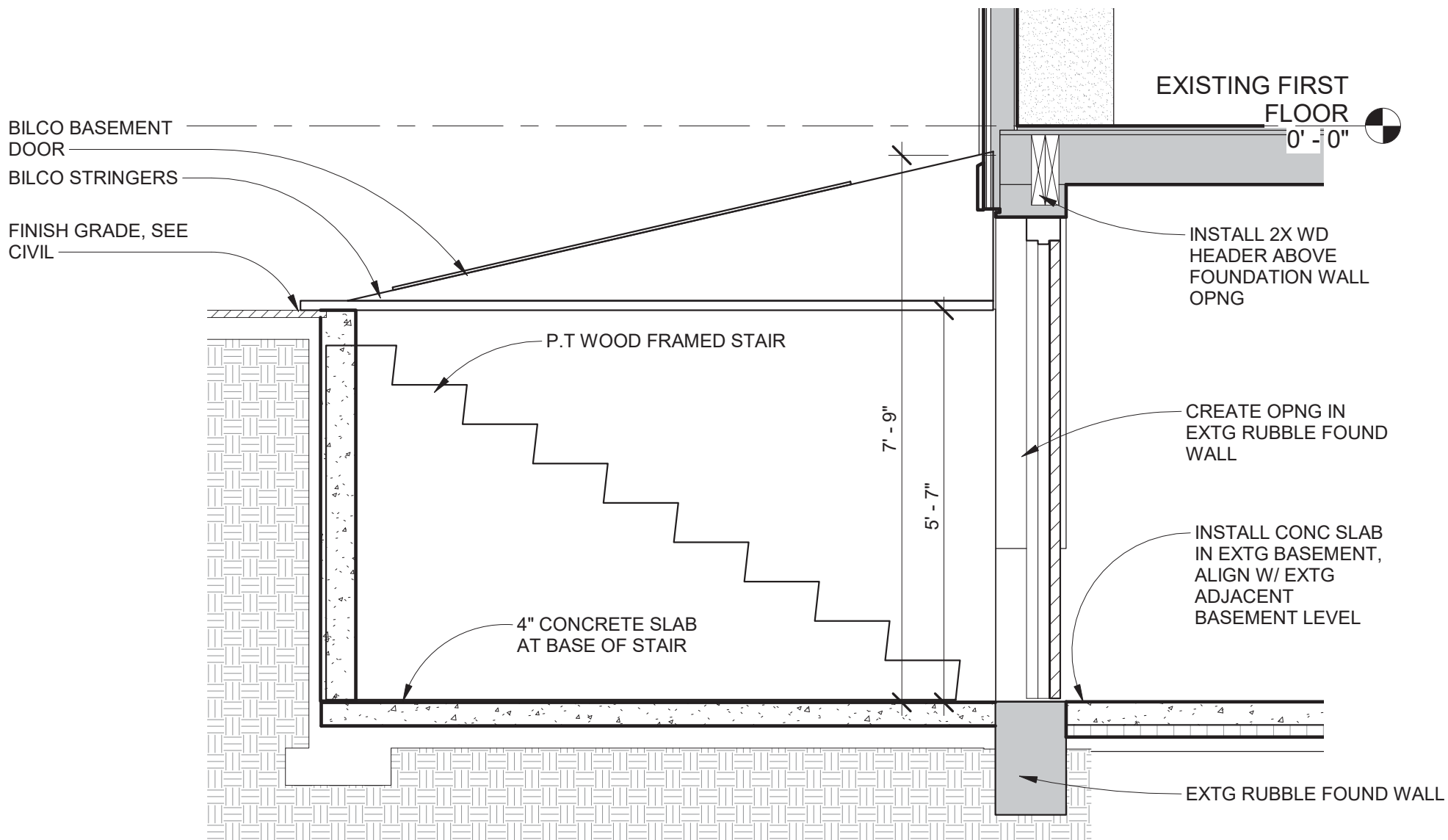
5 STAIR 5 - SECTION A
1/2" = 1'-0"



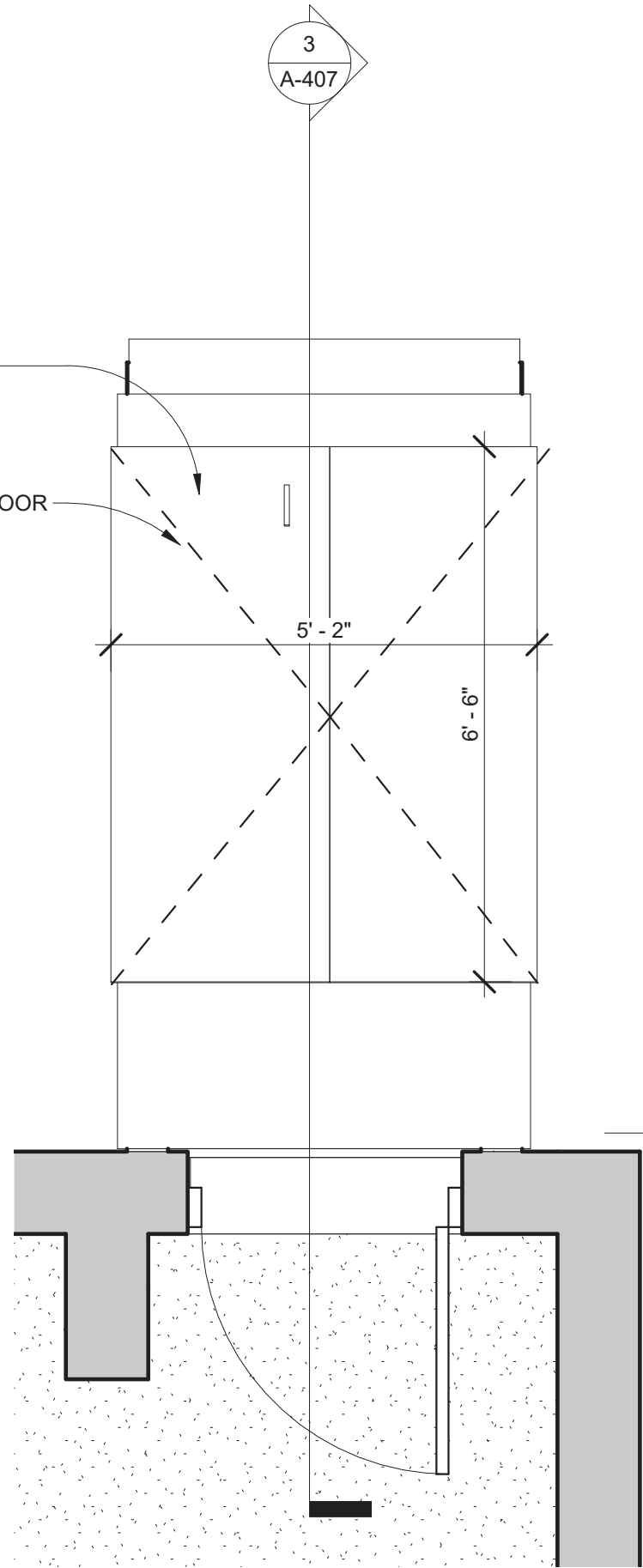
1 STAIR 5 - PLAN
1/2" = 1'-0"



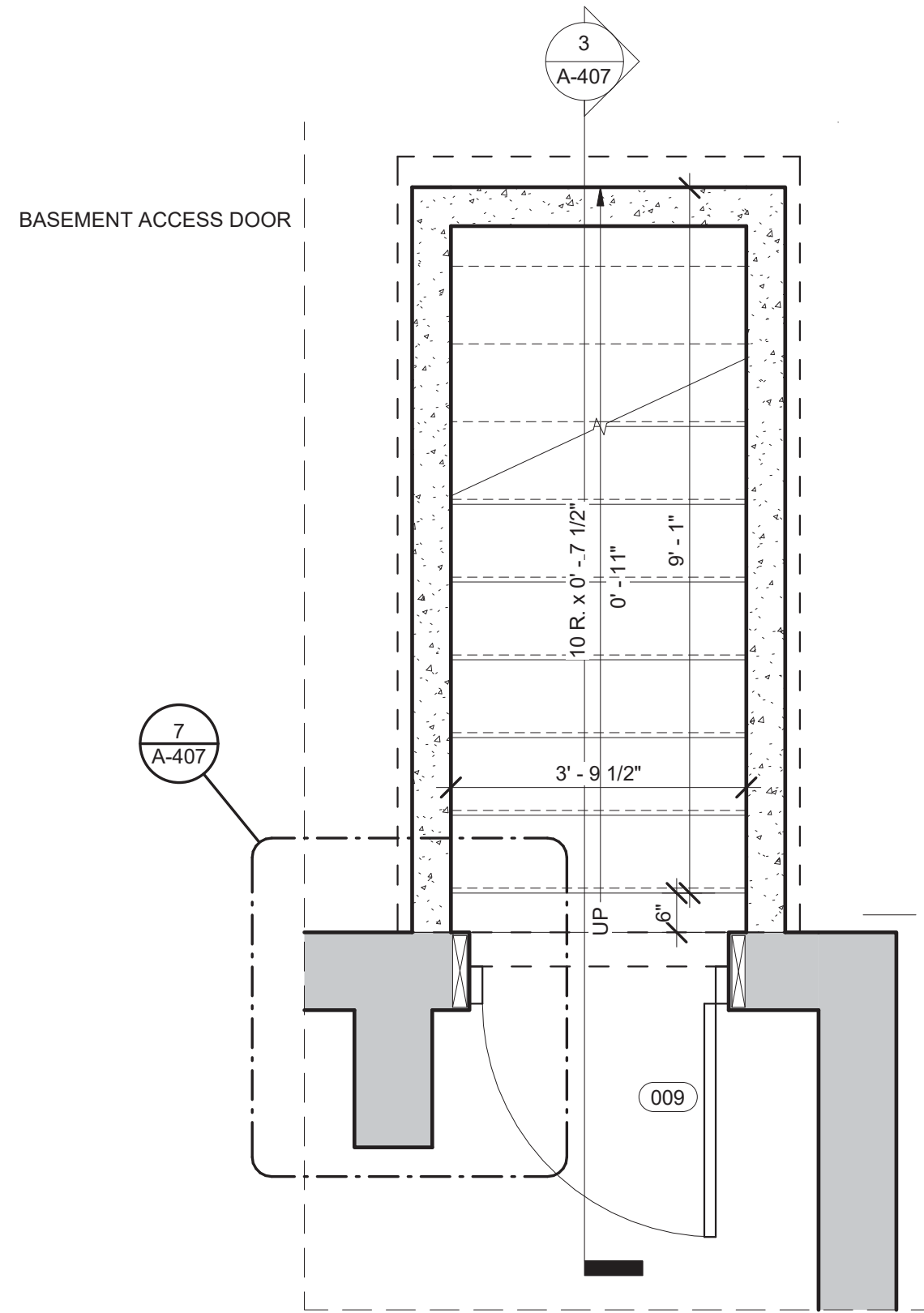
7 STAIR 4 - WALL DETAIL
1" = 1'-0"



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



4 STAIR 4 - BASEMENT PLAN
1/2" = 1'-0"



2 STAIR 4 - PLAN
1/2" = 1'-0"

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STAIR 5

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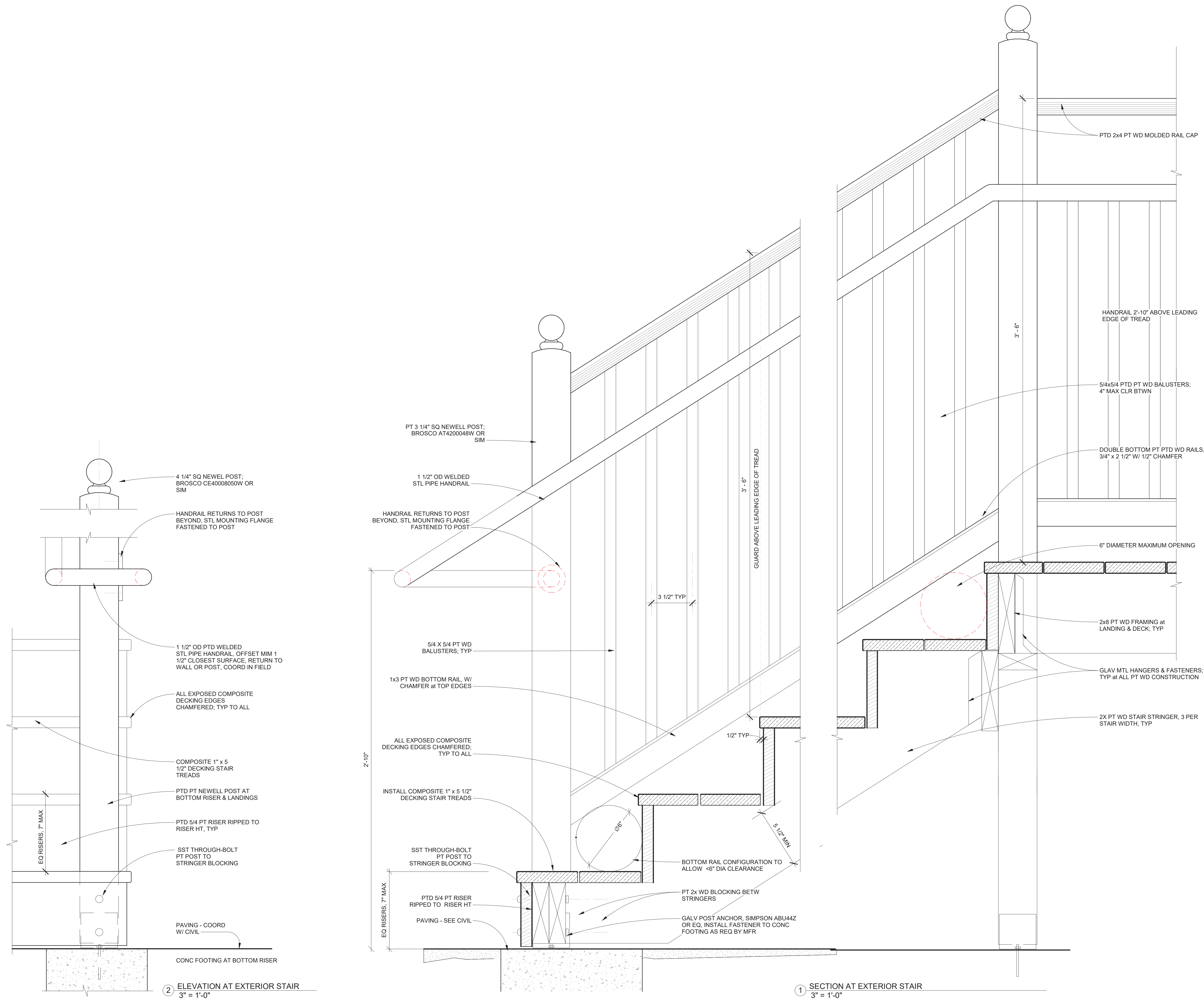
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TYPICAL EXTERIOR STAIR DETAILS

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KITCHEN ENLARGED PLAN & INTERIOR ELEVATIONS

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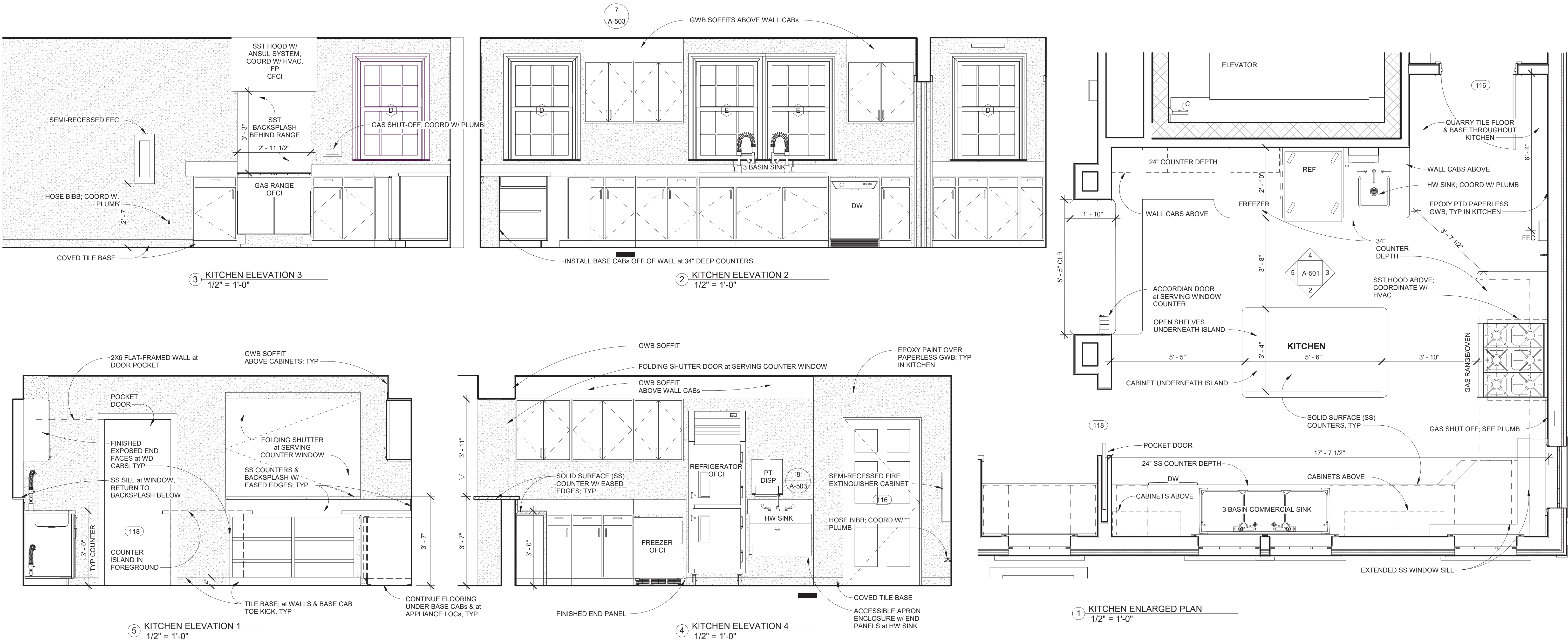
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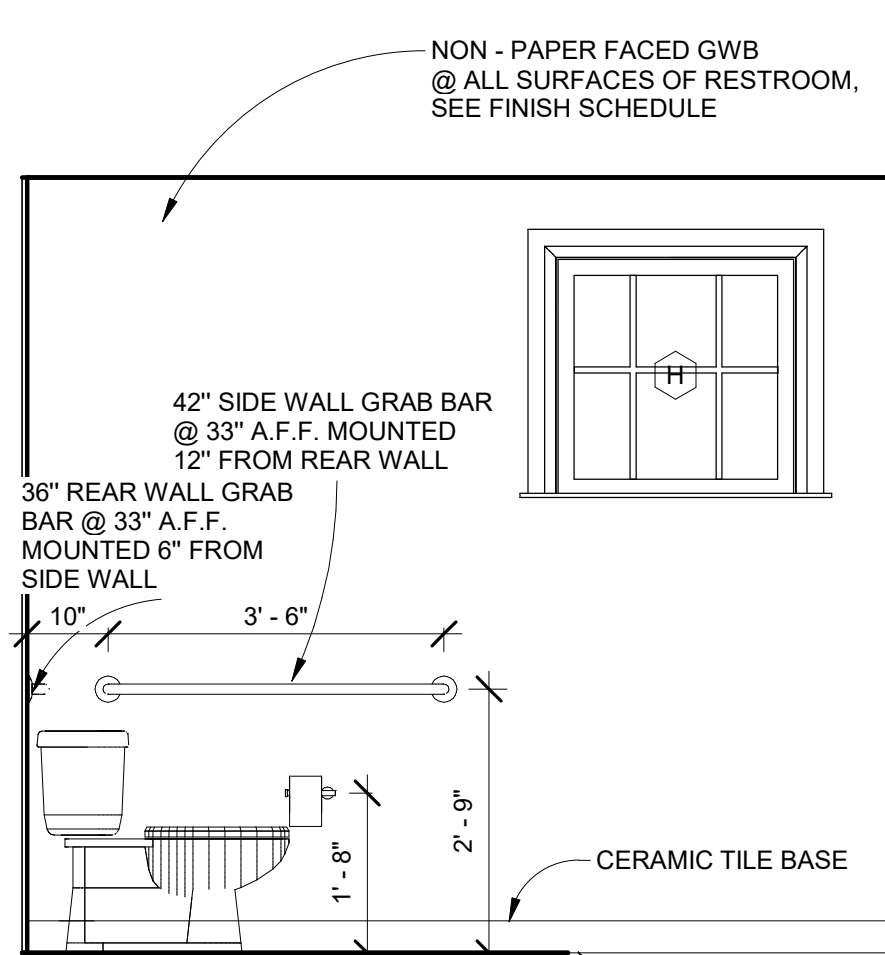
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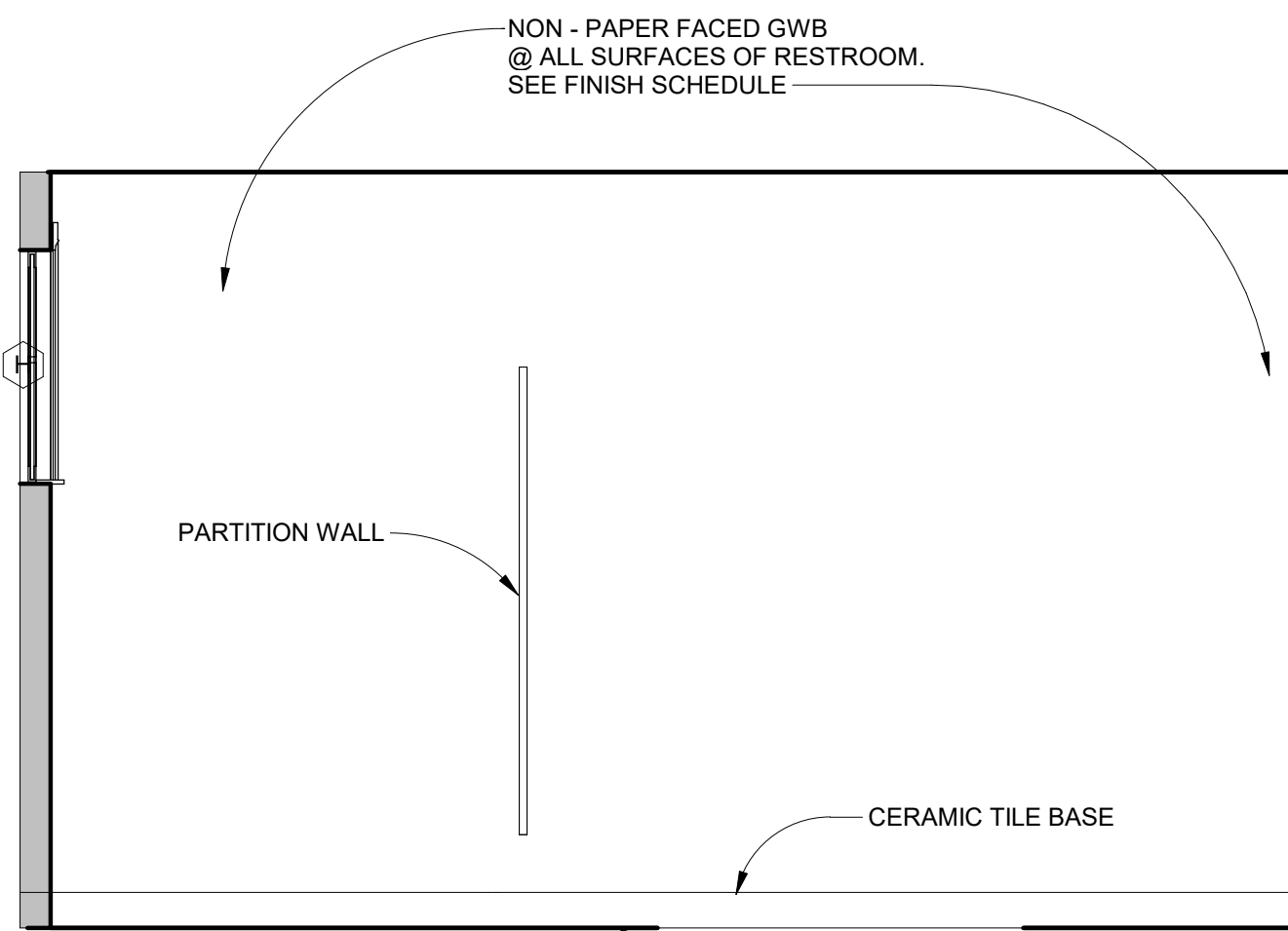


KITCHEN EQUIPMENT SCHEDULE - POPE'S TAVERN HALIFAX					
EQUIPMENT	MODEL	MANUFACTURER	PROVIDED BY	UTILITY COORDINATION	COMMENTS
FREEZER	STM1R-1S for the Refrigerator and STM1F-1S for the Freezer.	TRUE	OFCI	ELECTRICAL	
REFRIGERATOR	STM1R-1S for the Refrigerator and STM1F-1S for the Freezer.	TRUE	OFCI	ELECTRICAL	
GAS RANGE			OFCI	GAS, ELECTRICAL	
RANGE HOOD			OFCI	HVAC, ELECTRICAL	COORD FPI/ANSUL SYSTEM, GAS SHUT OFF BOX LOC
MOBILE SHELVEING		ULINE	OFOI		
OFCI	OWNER FURNISHED CONTRACTOR INSTALLED				
OFCI	CONTRACTOR FURNISHED CONTRACTOR INSTALLED (ALL MATERIALS & WORK IN CONTRACT)				
OFOI	OWNER FURNISHED OWNER INSTALLED				

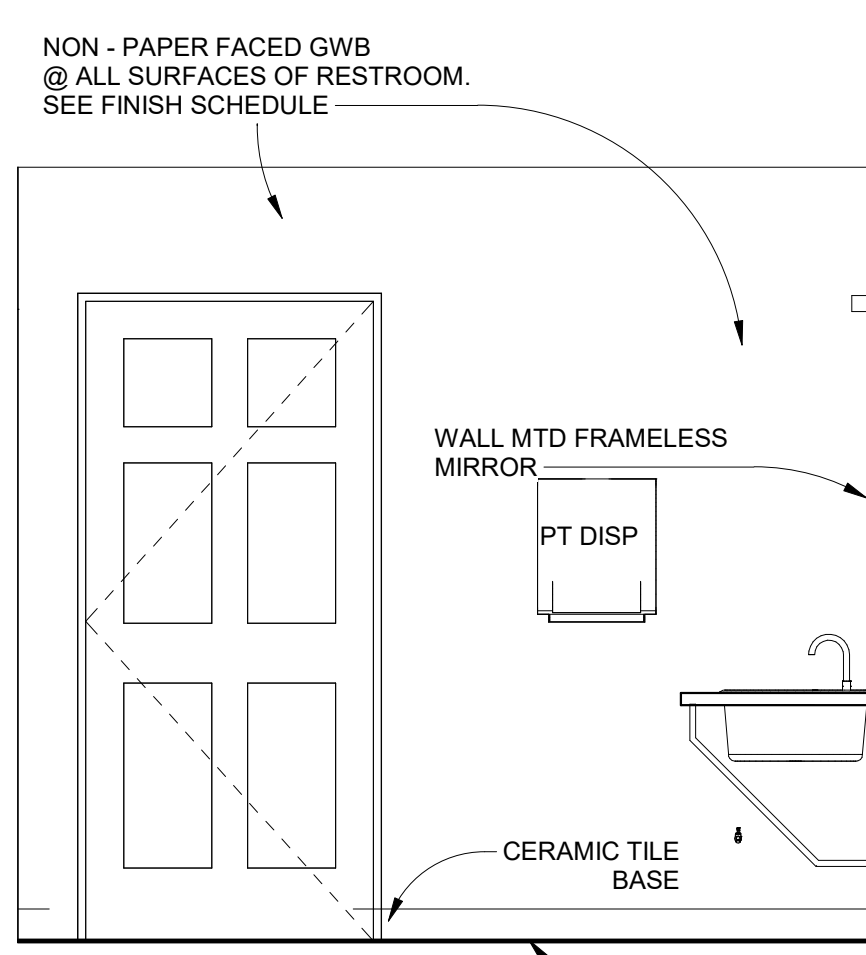
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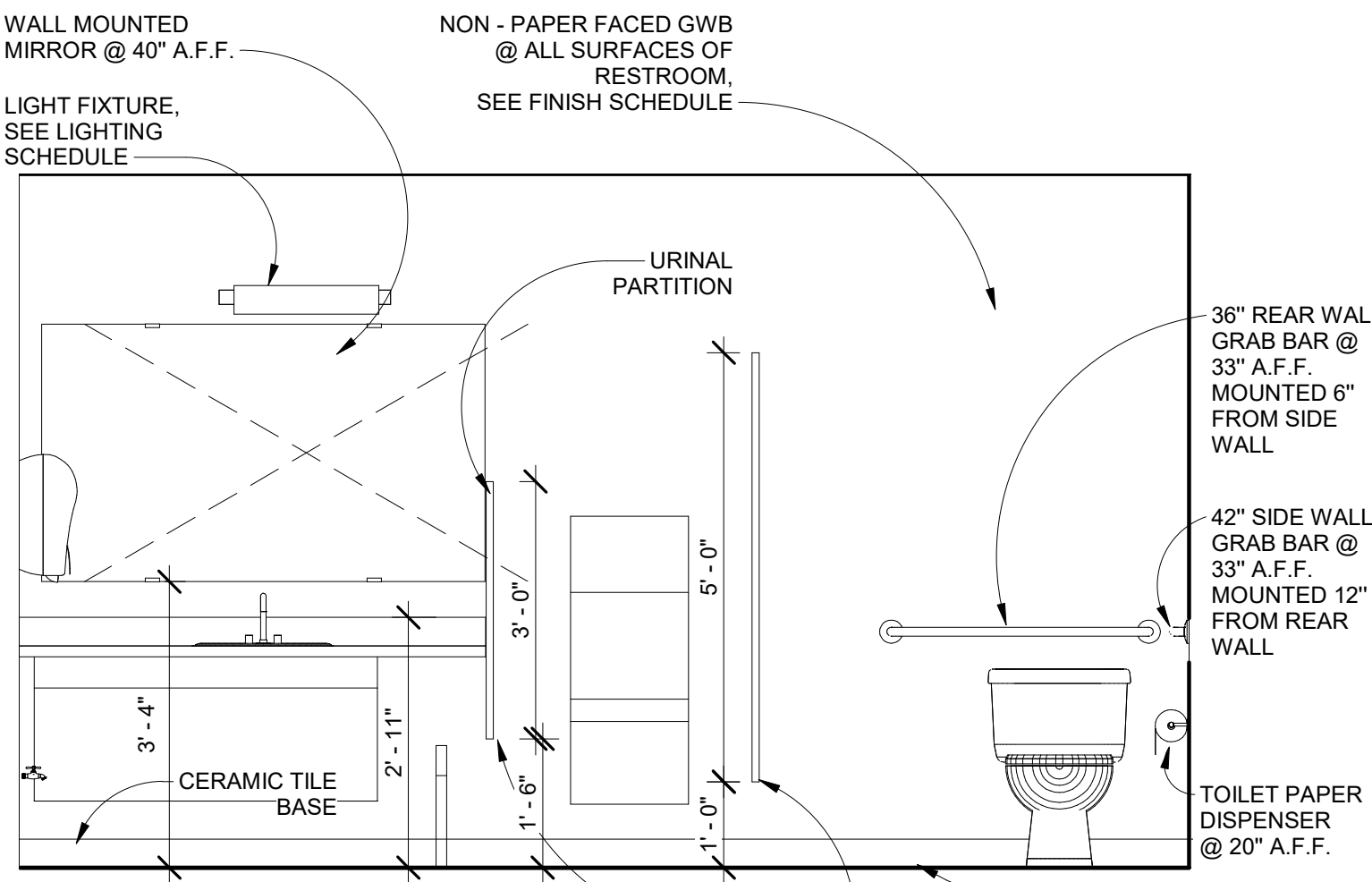
6 MEN'S BATHROOM ELEVATION 1
1/2" = 1'-0"



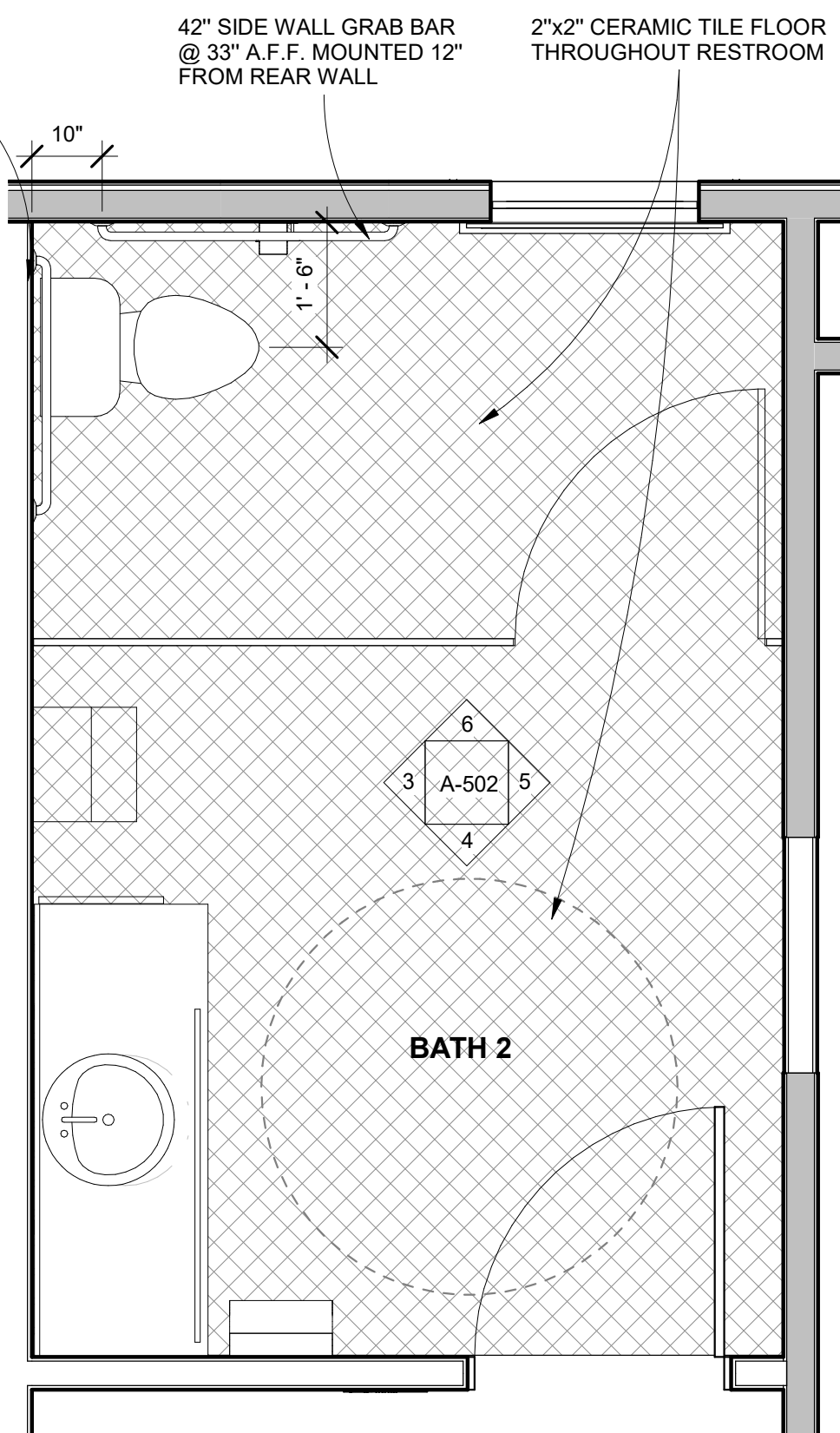
5 MEN'S BATHROOM ELEVATION 2
1/2" = 1'-0"



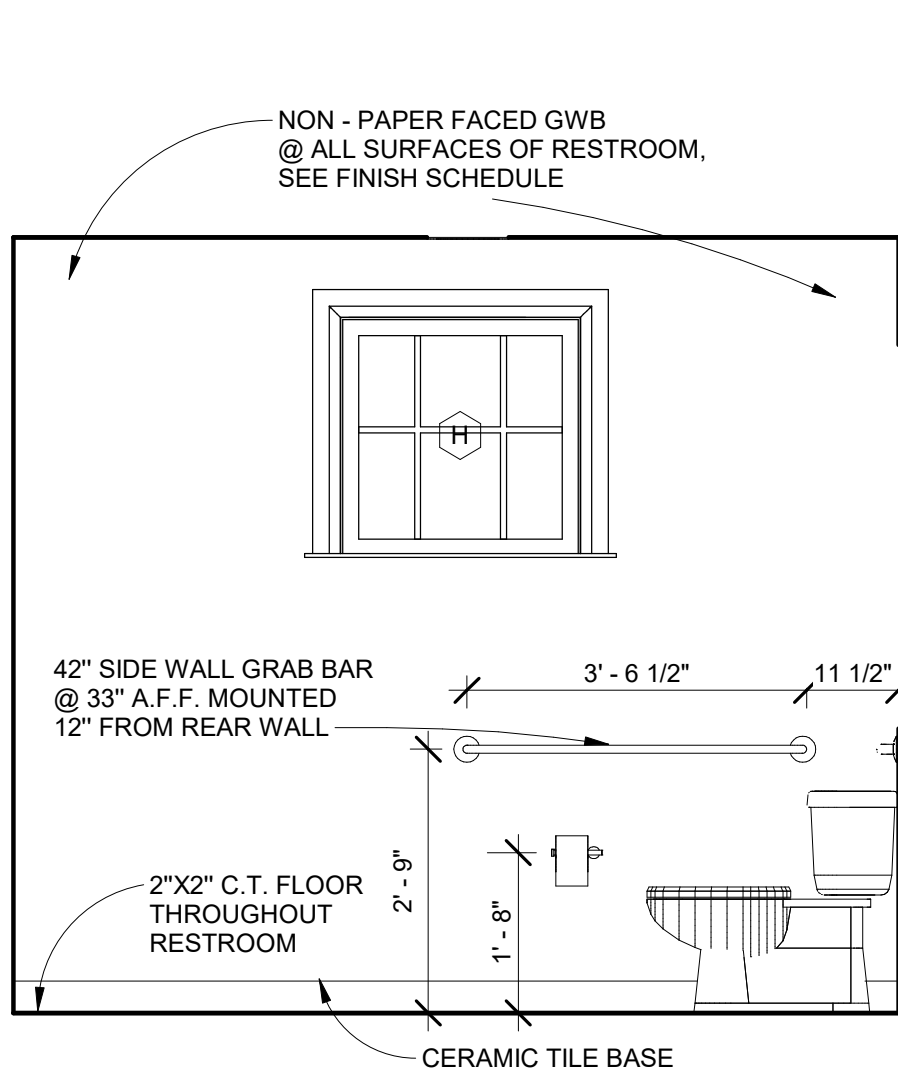
4 MEN'S BATHROOM ELEVATION 3
1/2" = 1'-0"



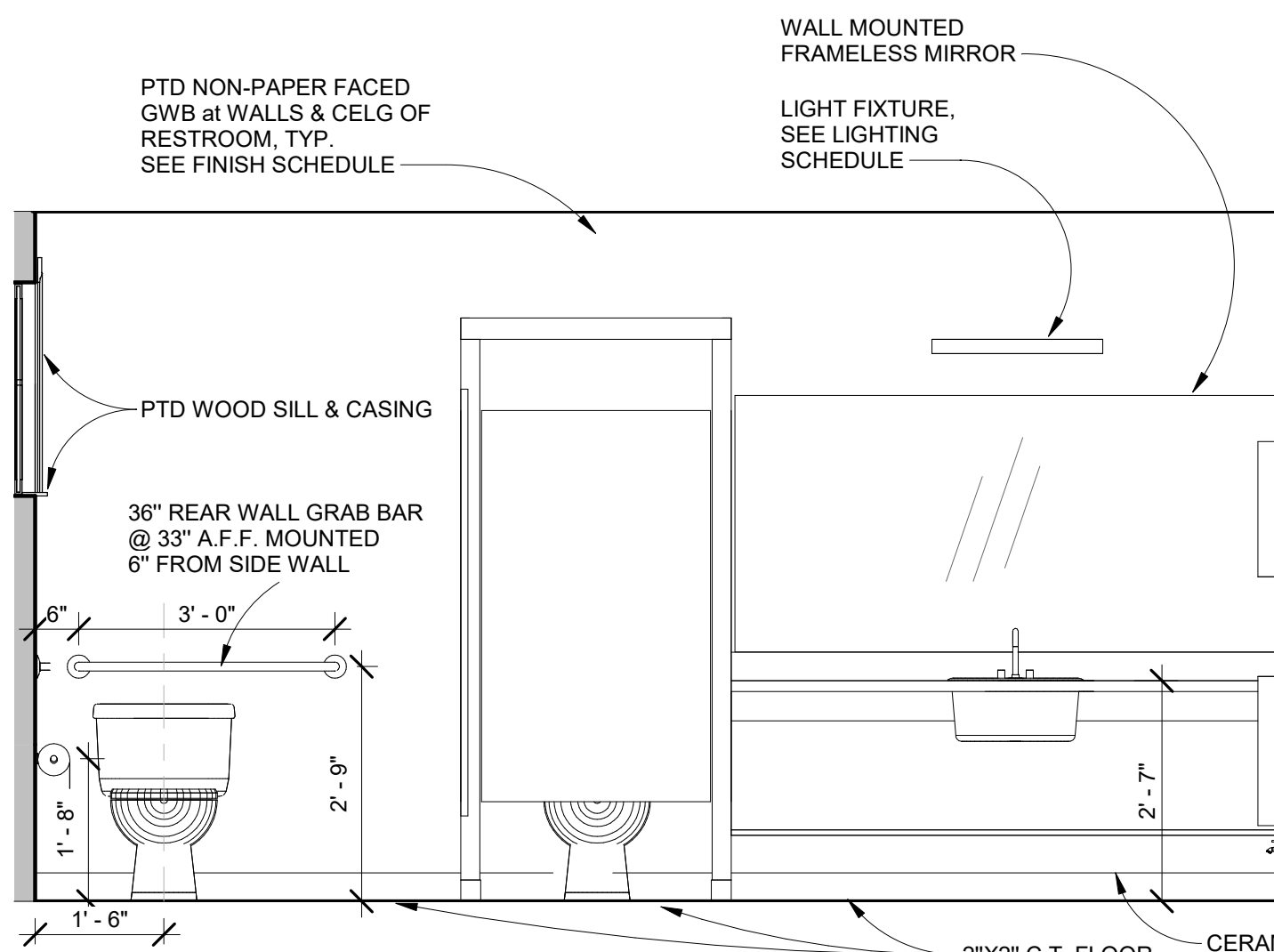
3 MEN'S BATHROOM ELEVATION 4
1/2" = 1'-0"



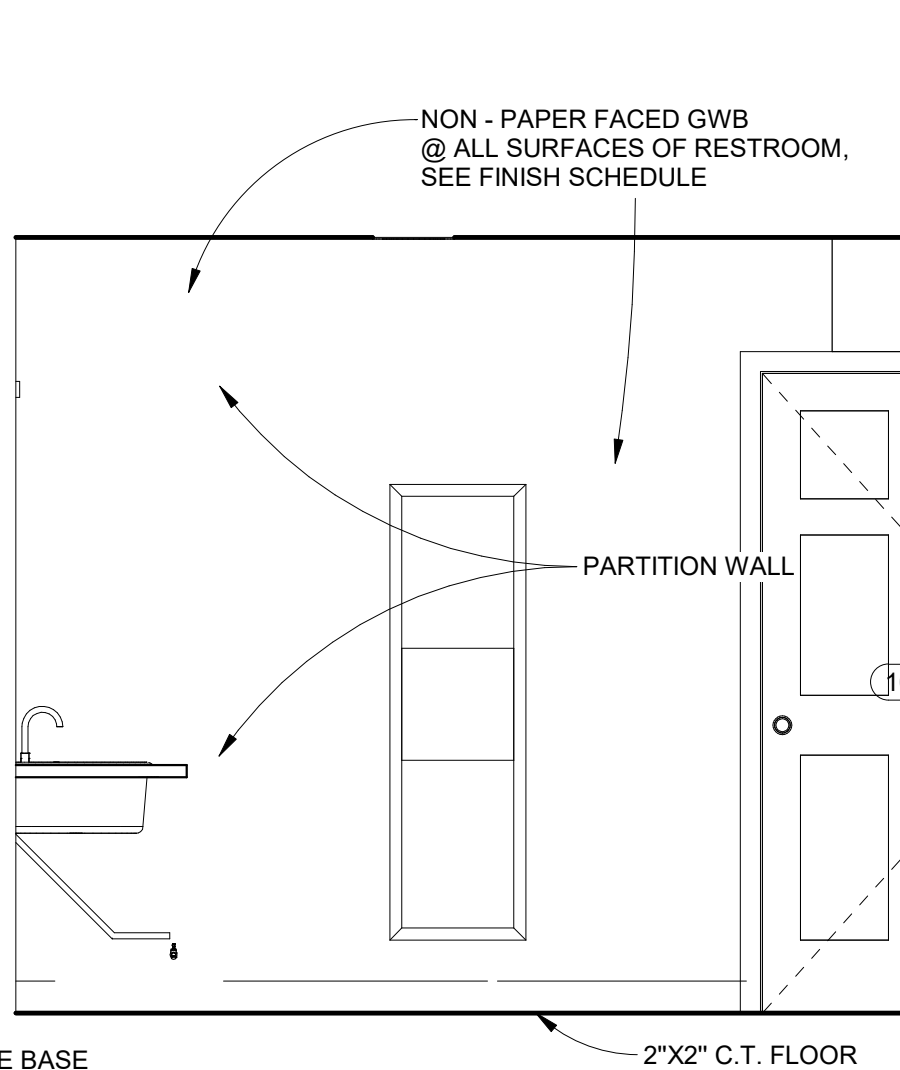
1 BATHROOM - MEN'S ENLARGED PLAN
1/2" = 1'-0"



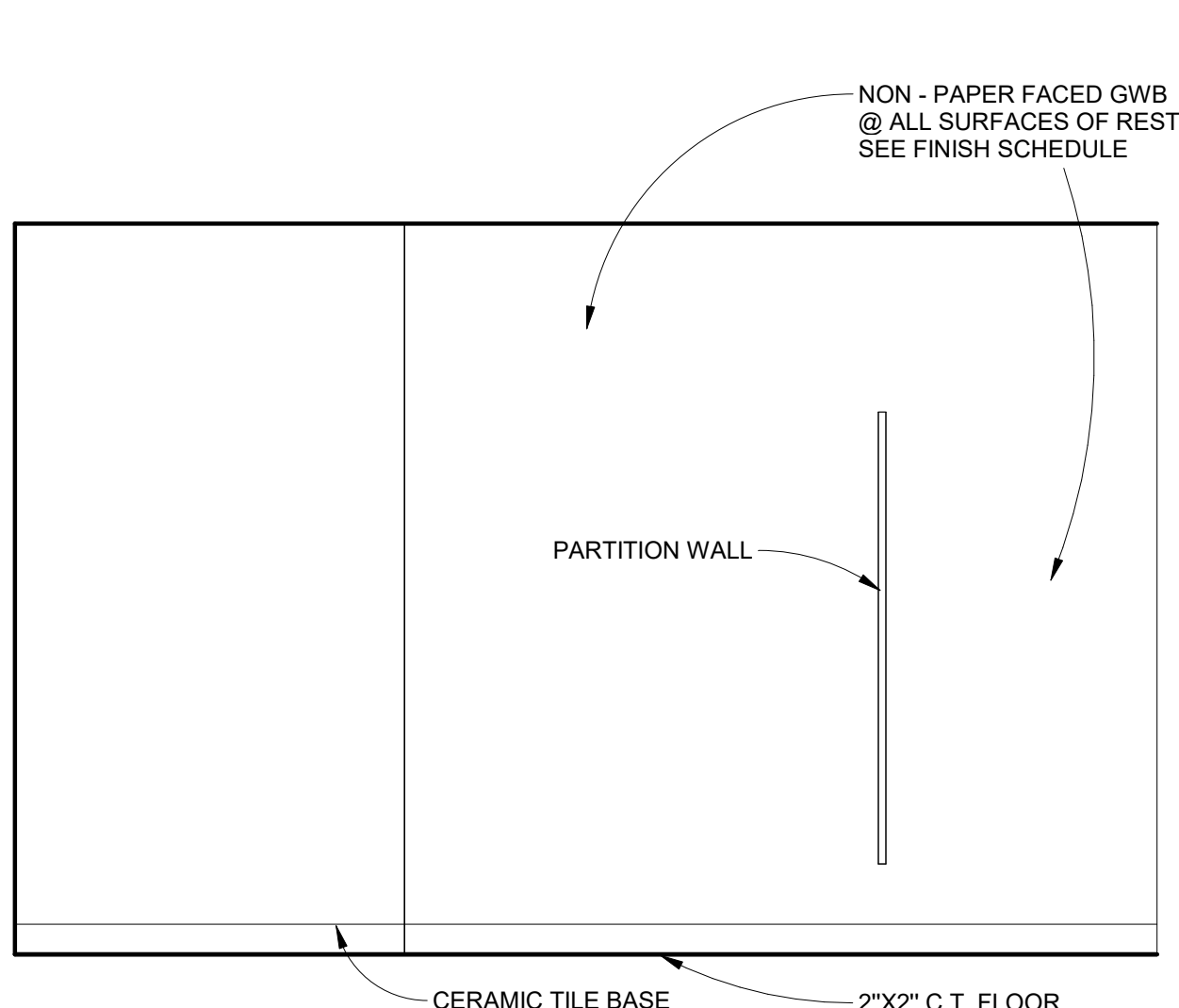
10 WOMEN'S BATHROOM ELEVATION 1
1/2" = 1'-0"



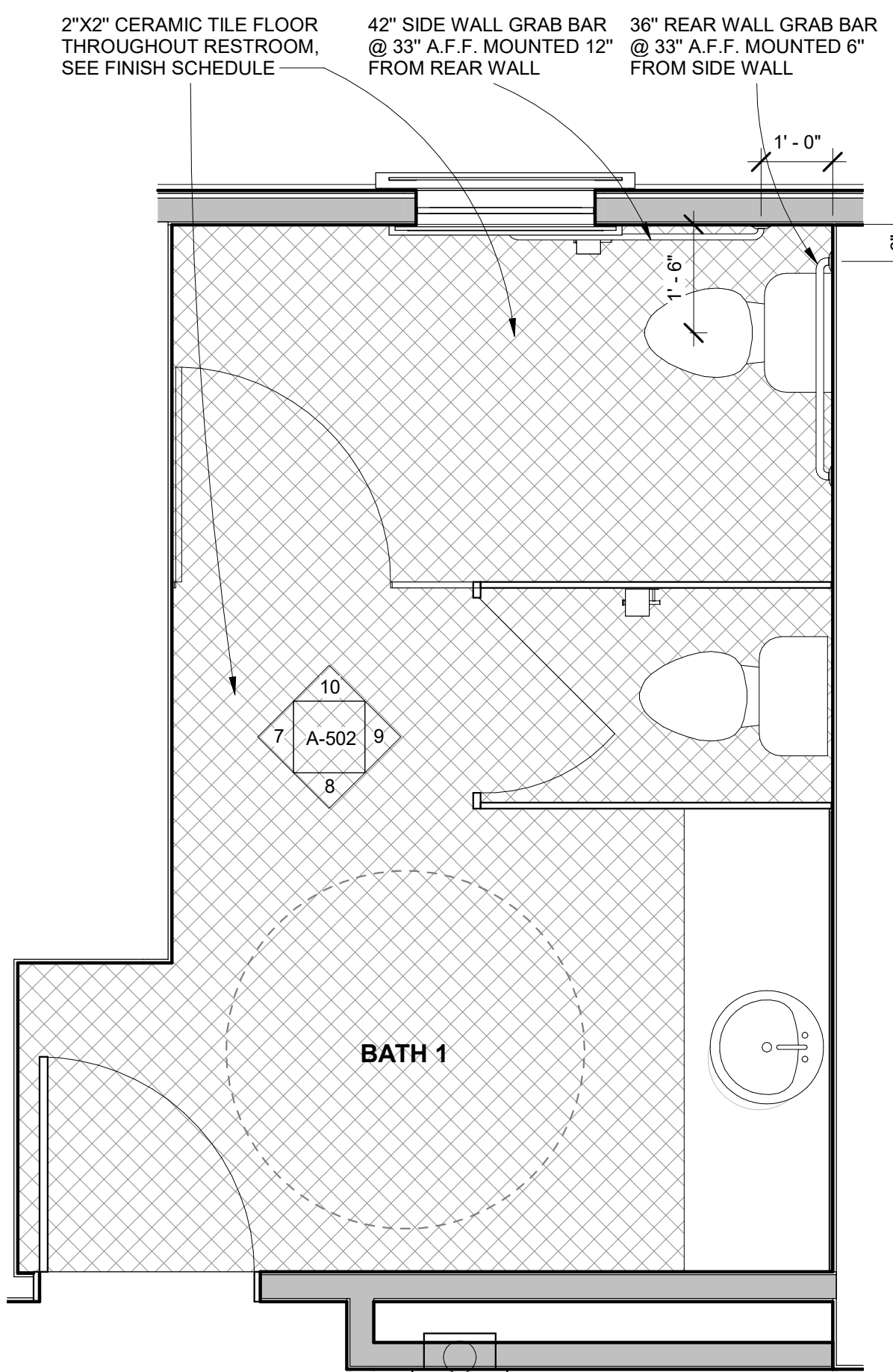
9 WOMEN'S BATHROOM ELEVATION 2
1/2" = 1'-0"



8 WOMEN'S BATHROOM ELEVATION 3
1/2" = 1'-0"



7 WOMEN'S BATHROOM ELEVATION 4
1/2" = 1'-0"



2 BATHROOM WOMEN'S ENLARGED PLAN
1/2" = 1'-0"

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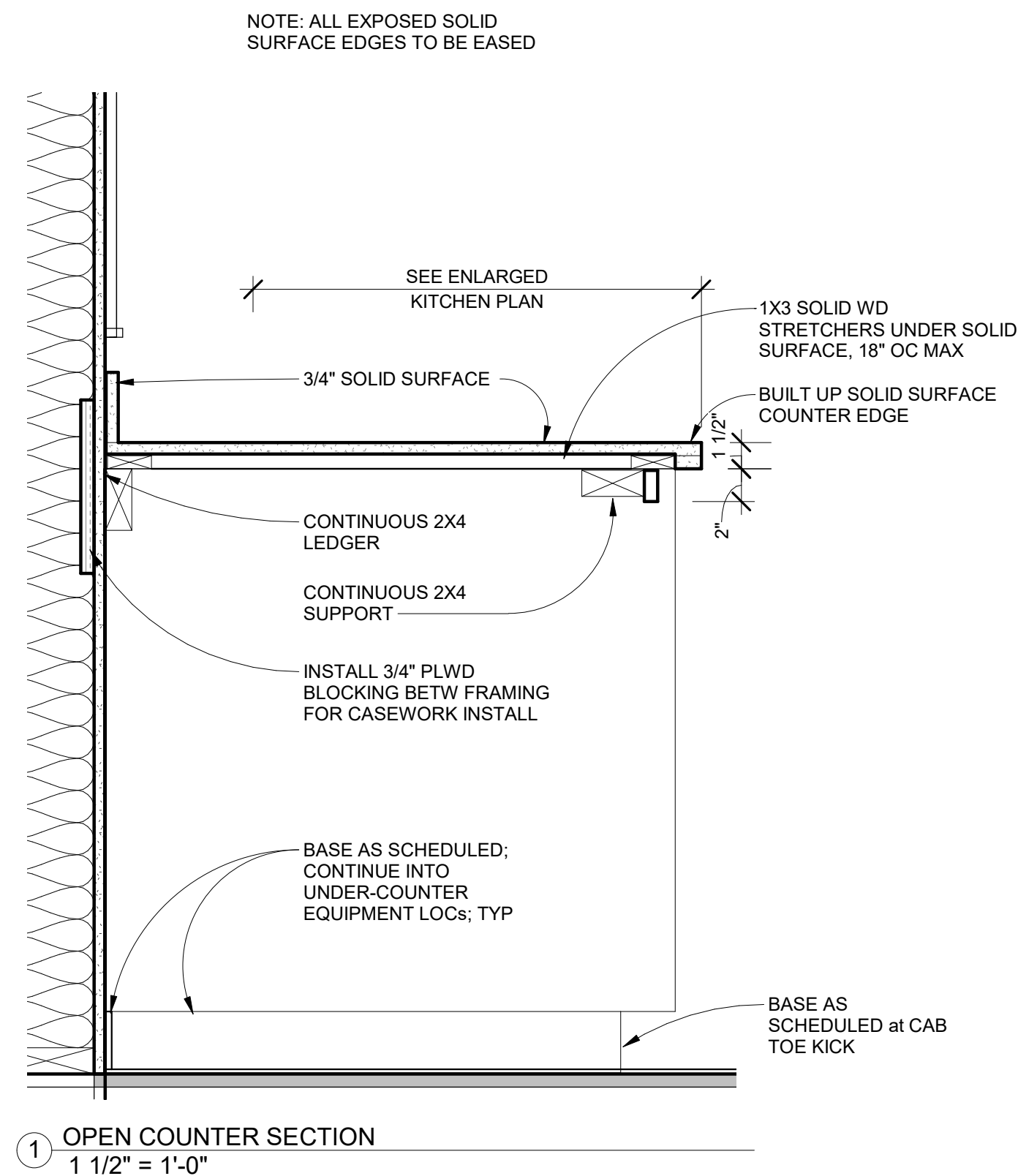
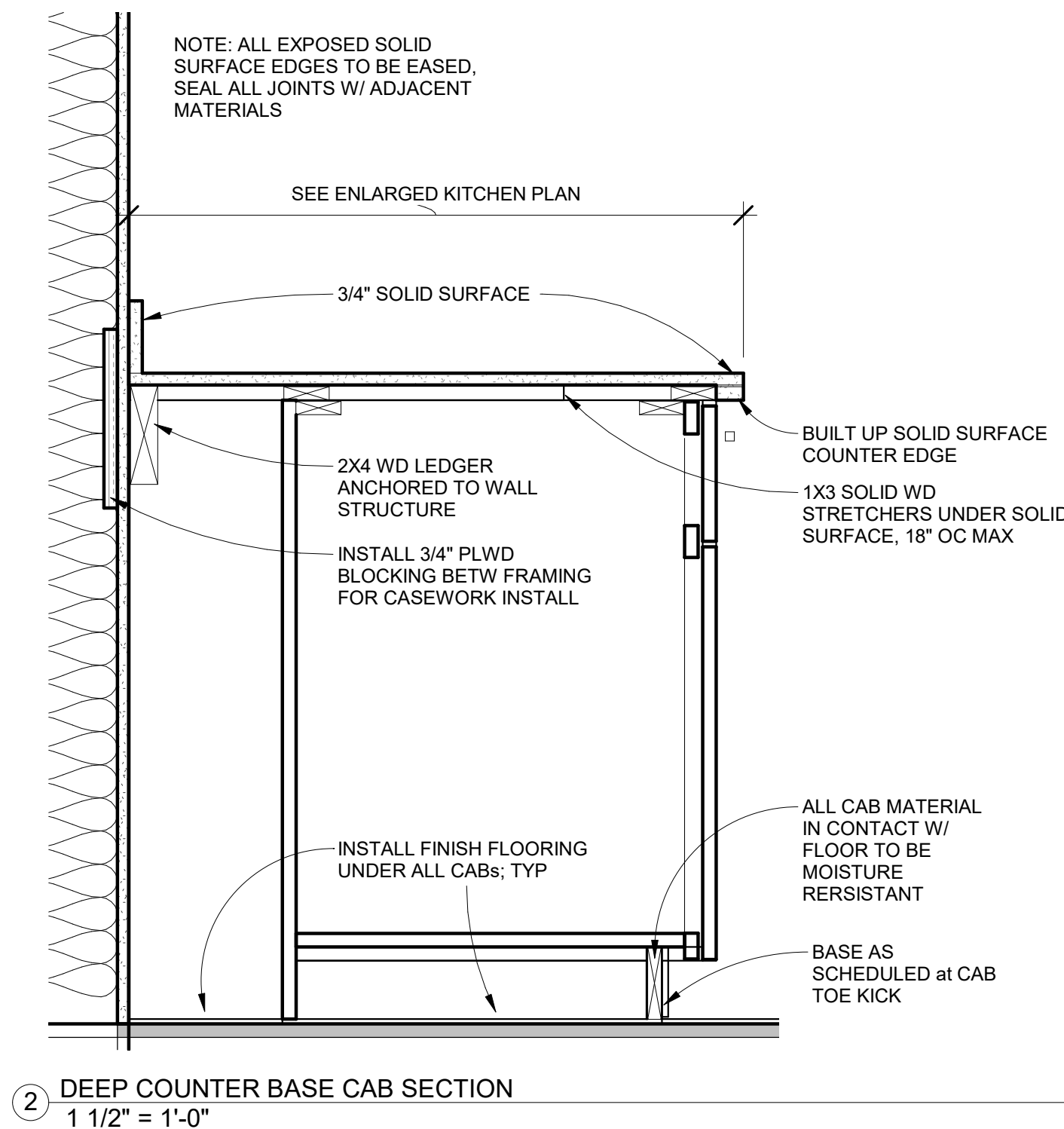
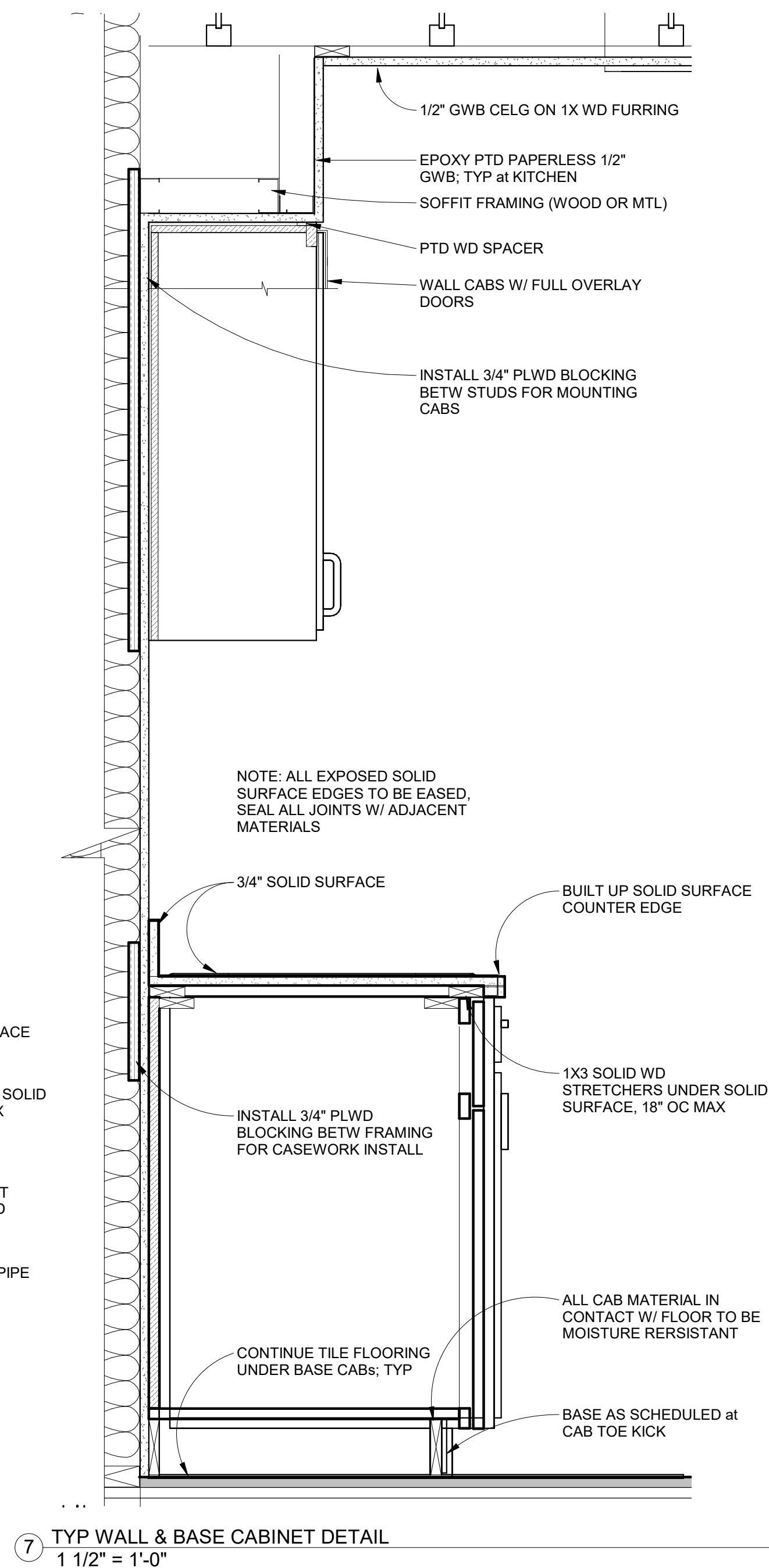
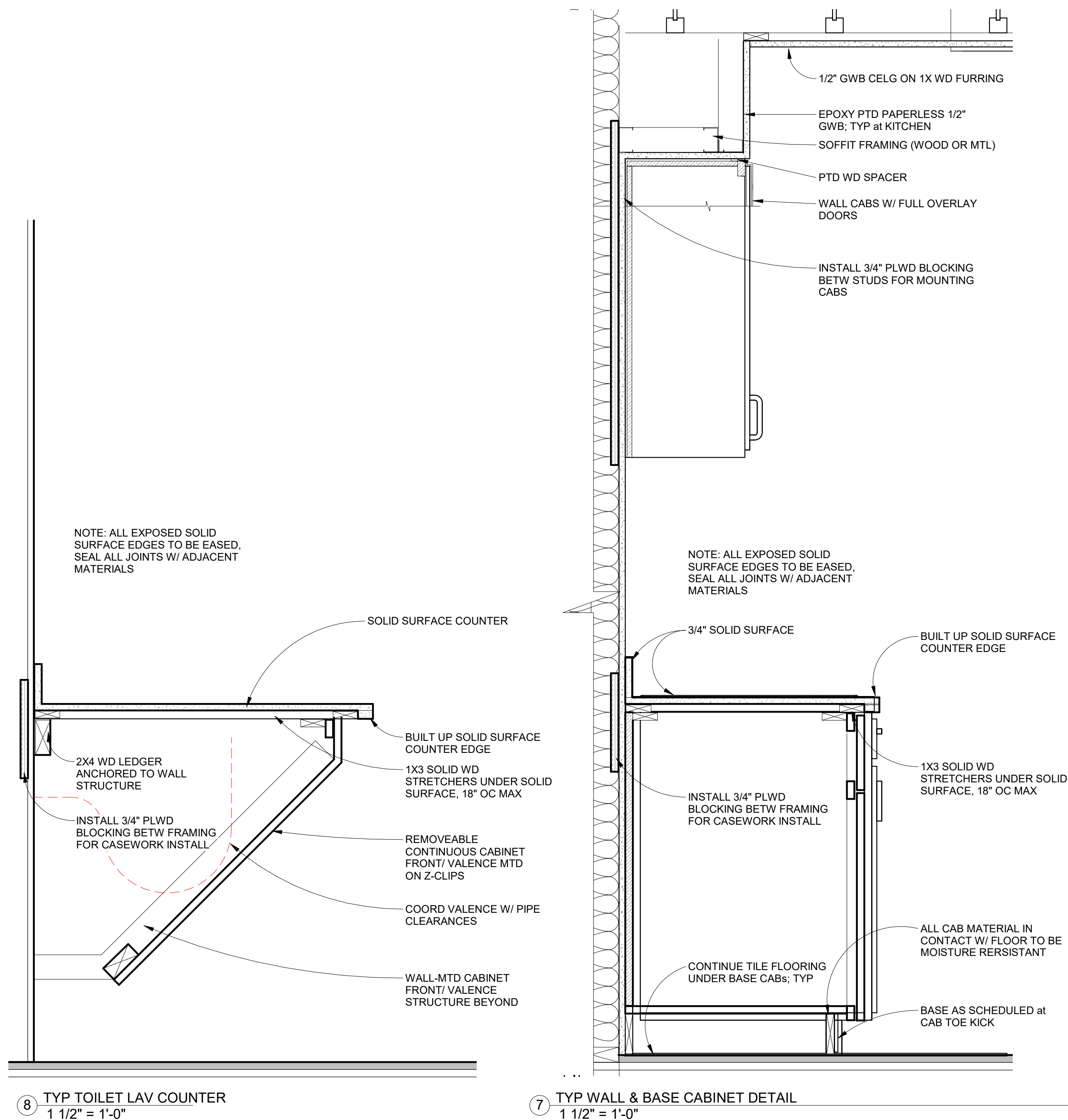
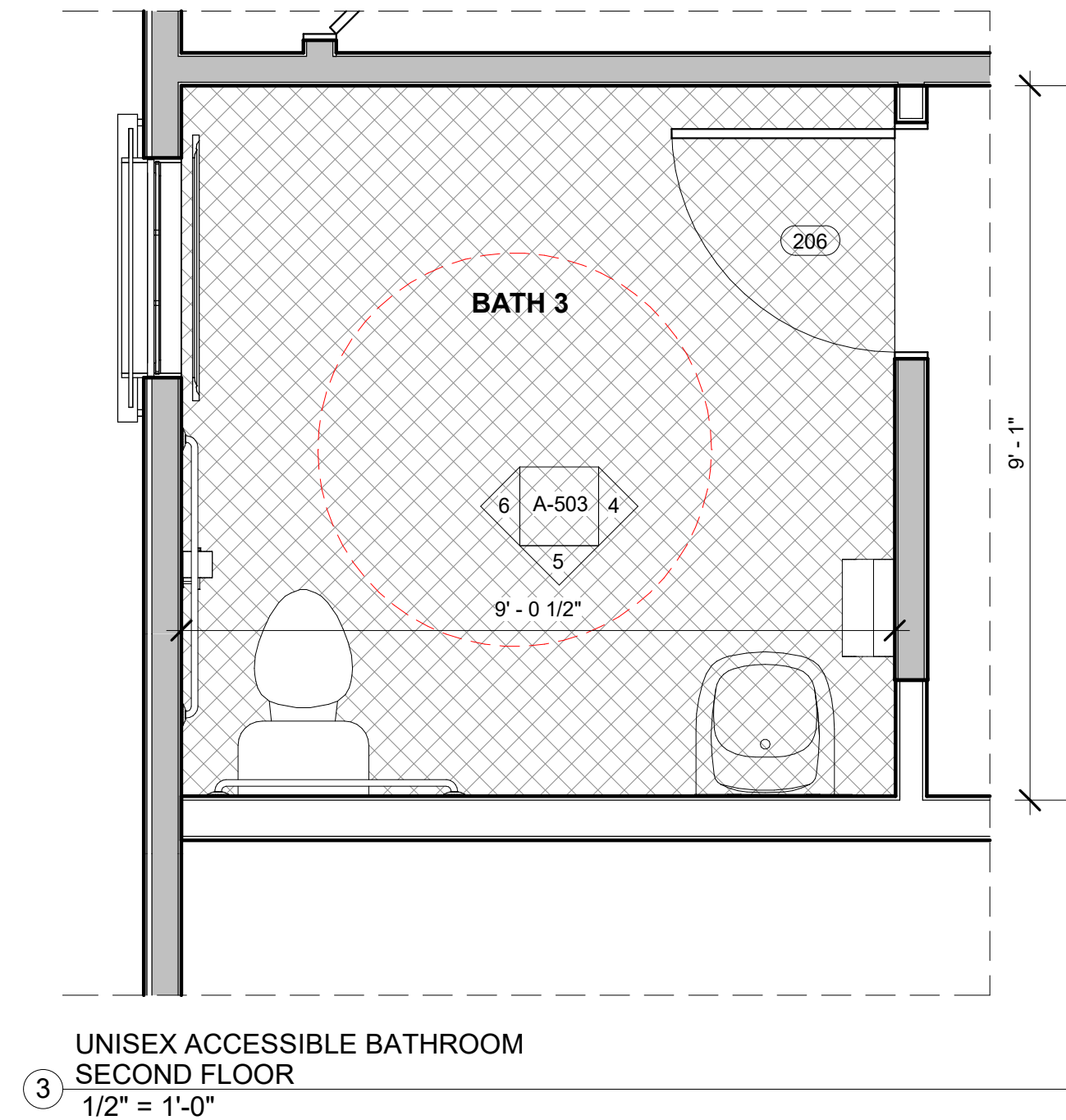
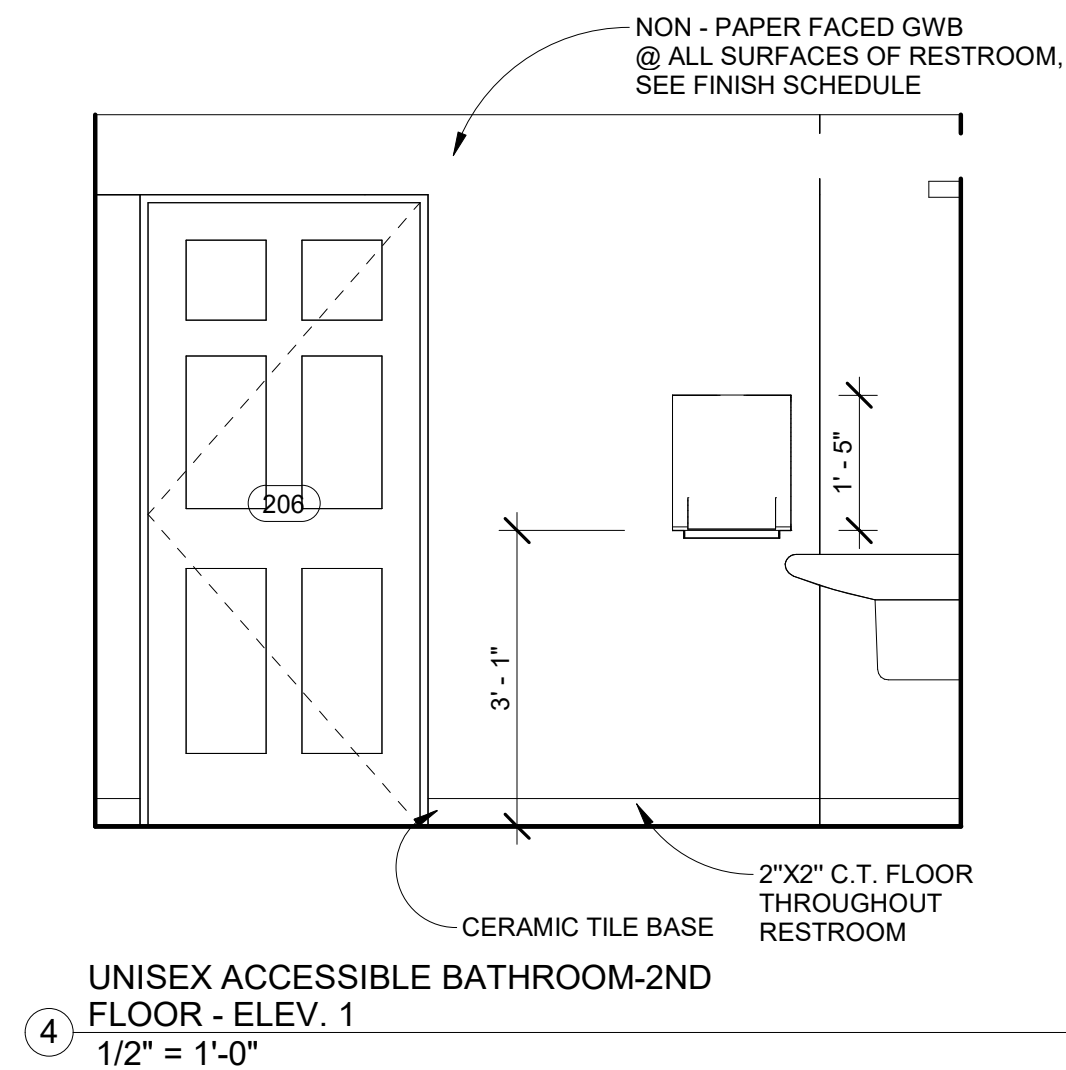
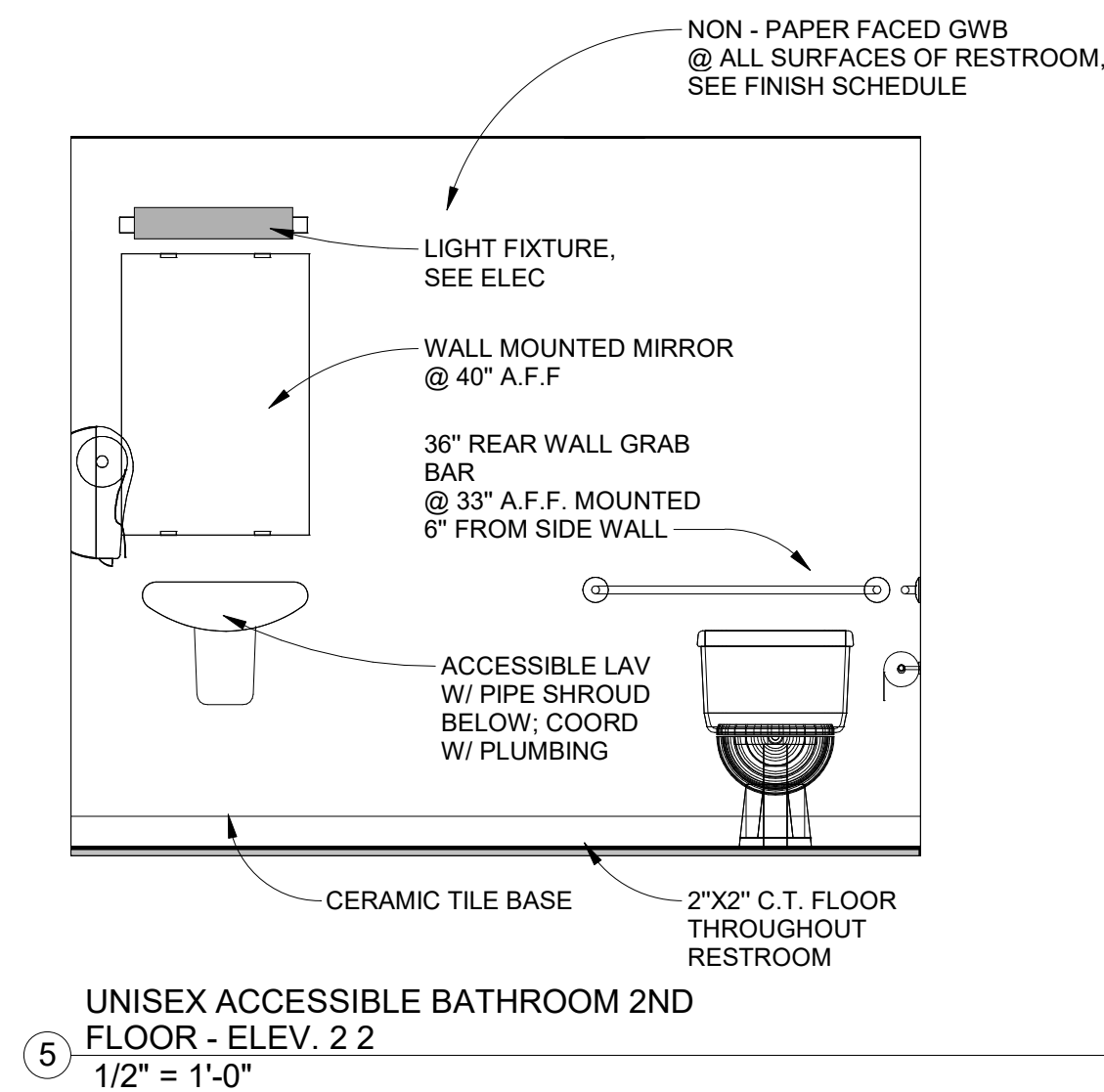
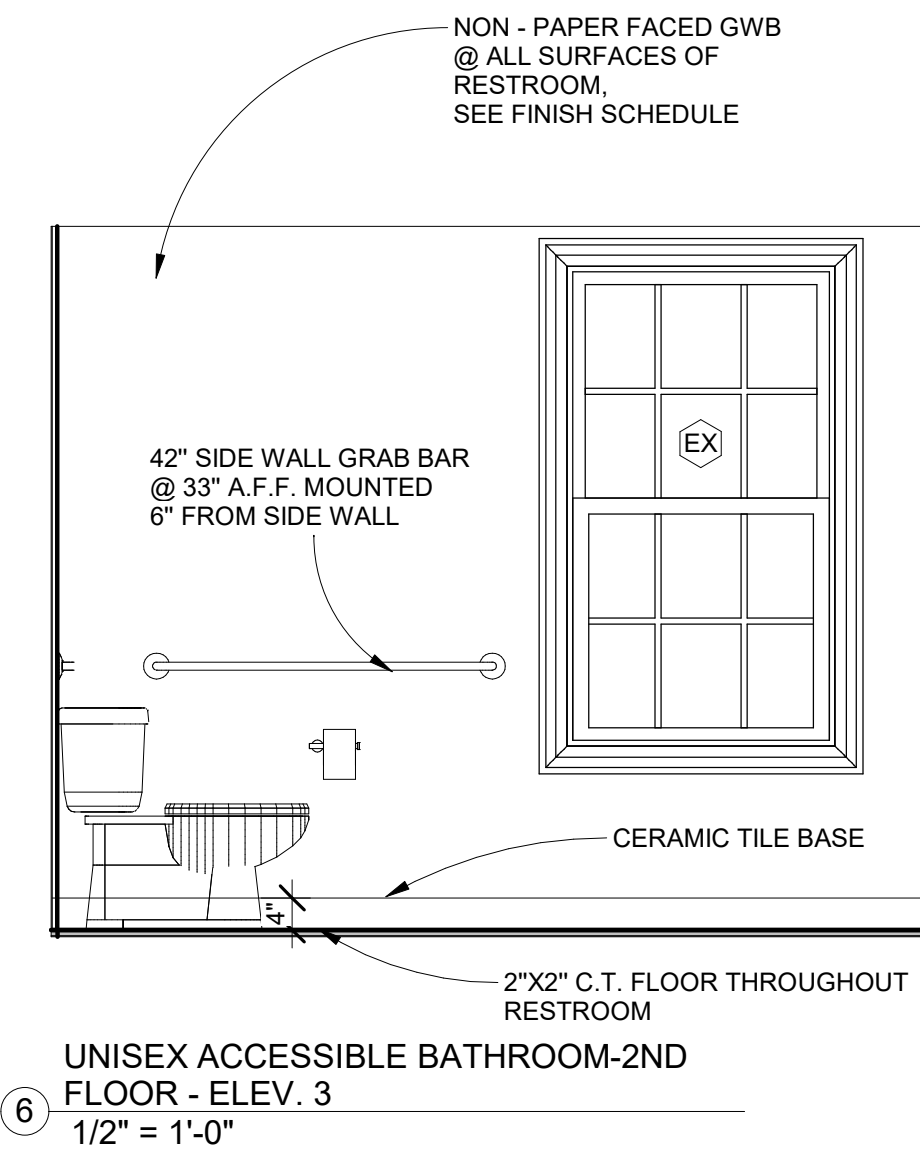
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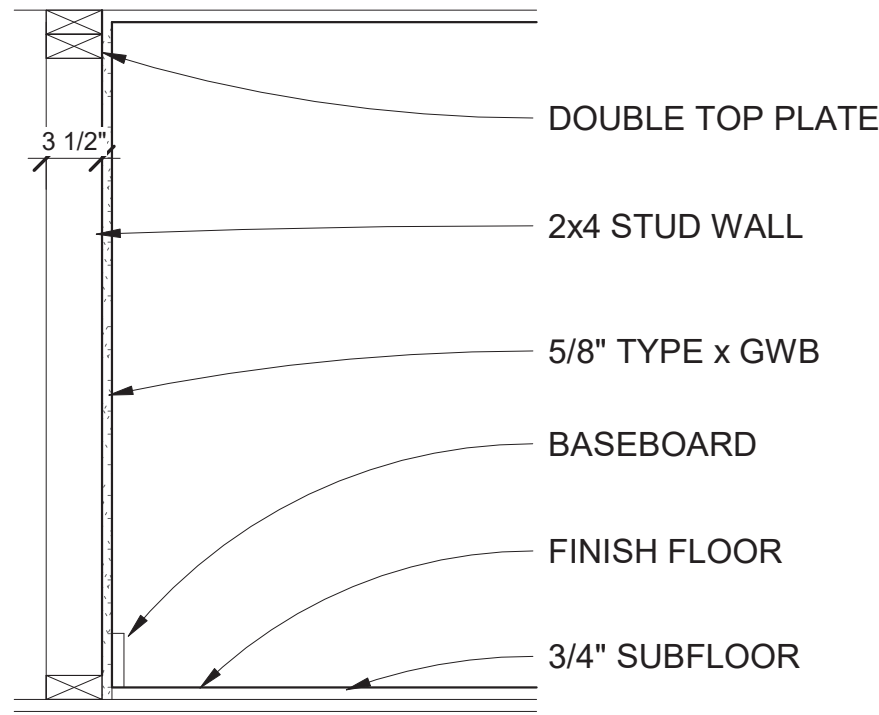
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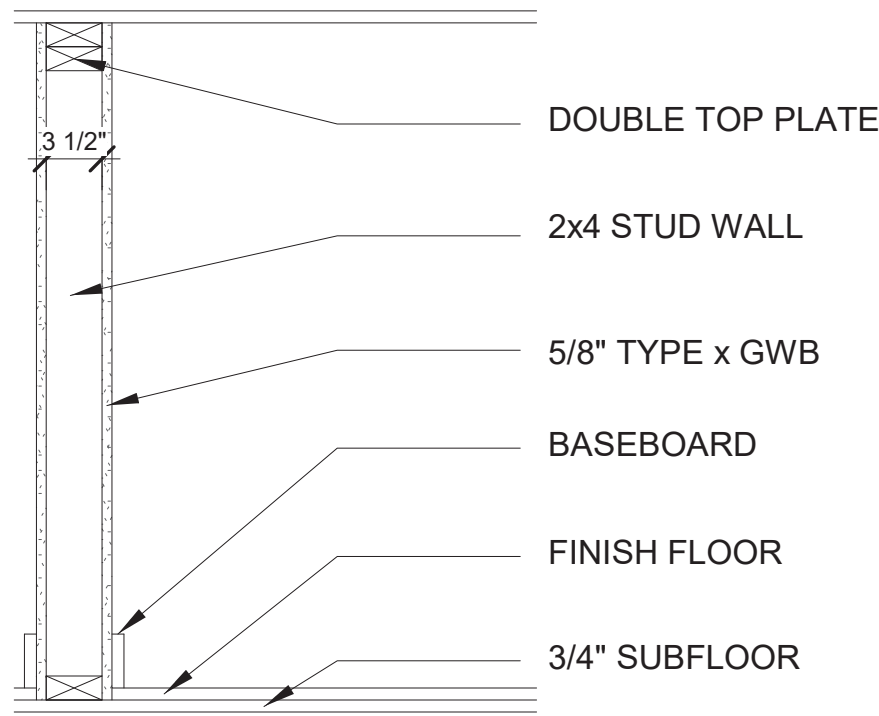
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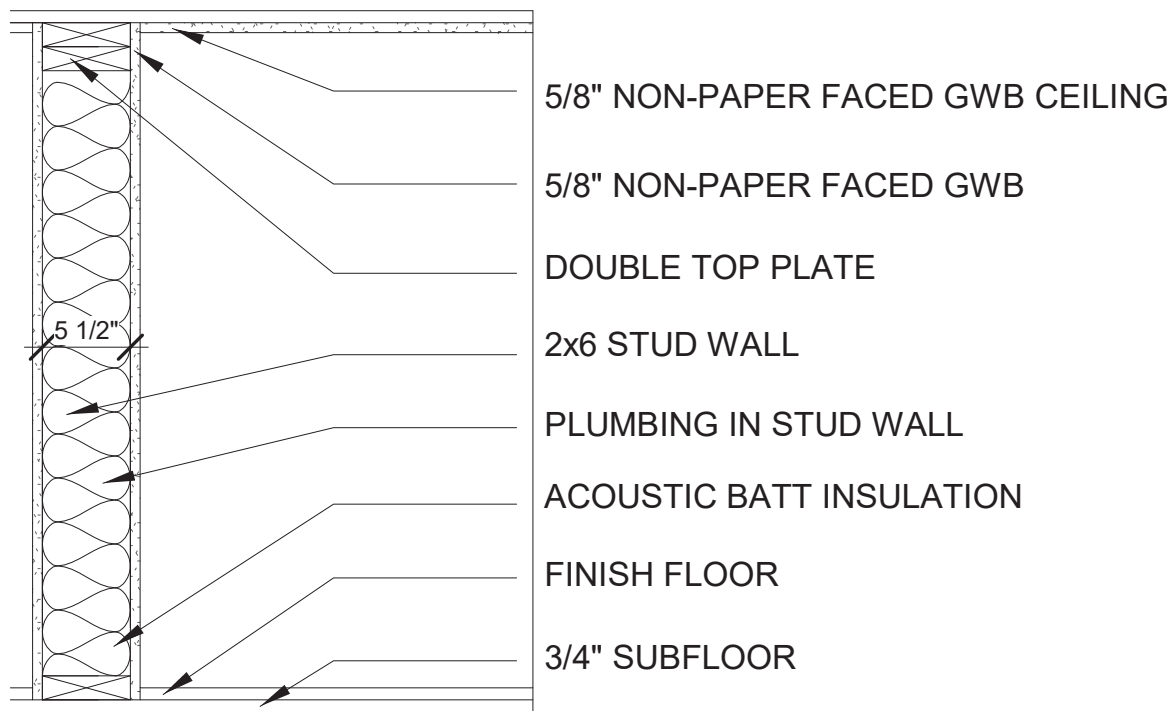




9 SHAFT WALL
SCALE: 3/4" = 1'-0"

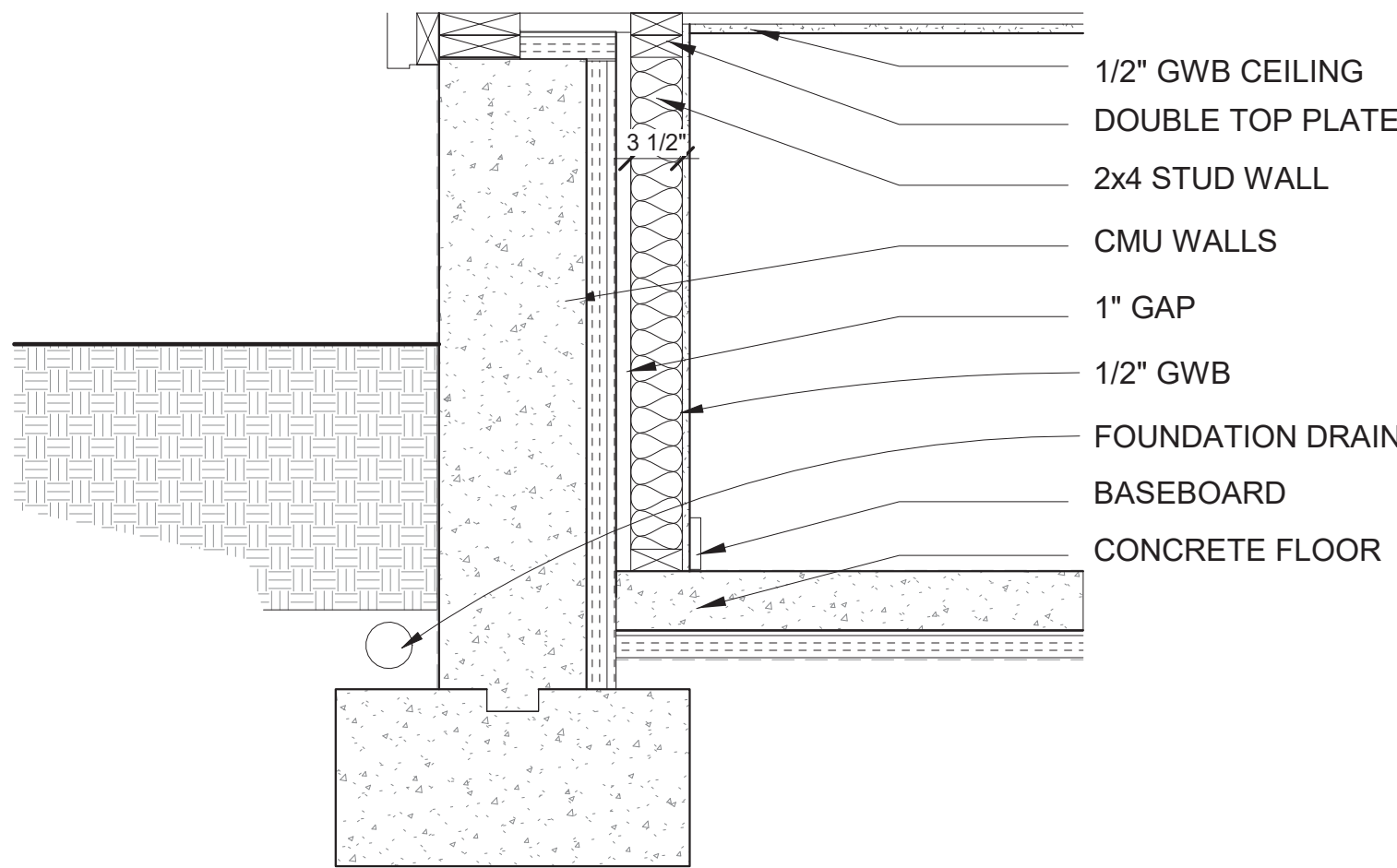


7 STAIRWELL - 1 HR. FIRE RATED
SCALE: 3/4" = 1'-0"

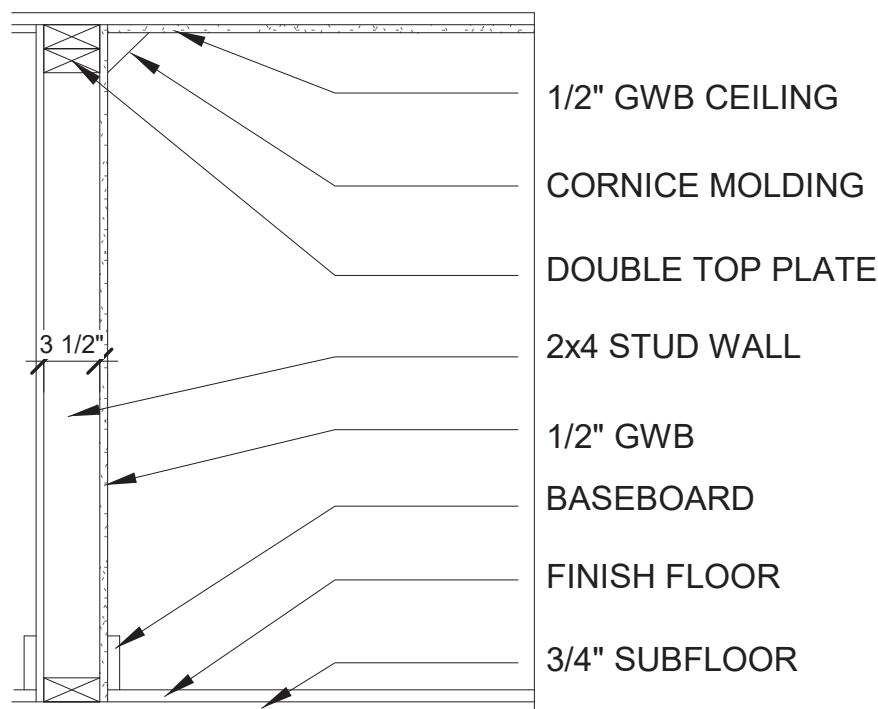


3 PARTITION PLUMBING WALL
BETWEEN BATHROOMS
SCALE: 3/4" = 1'-0"

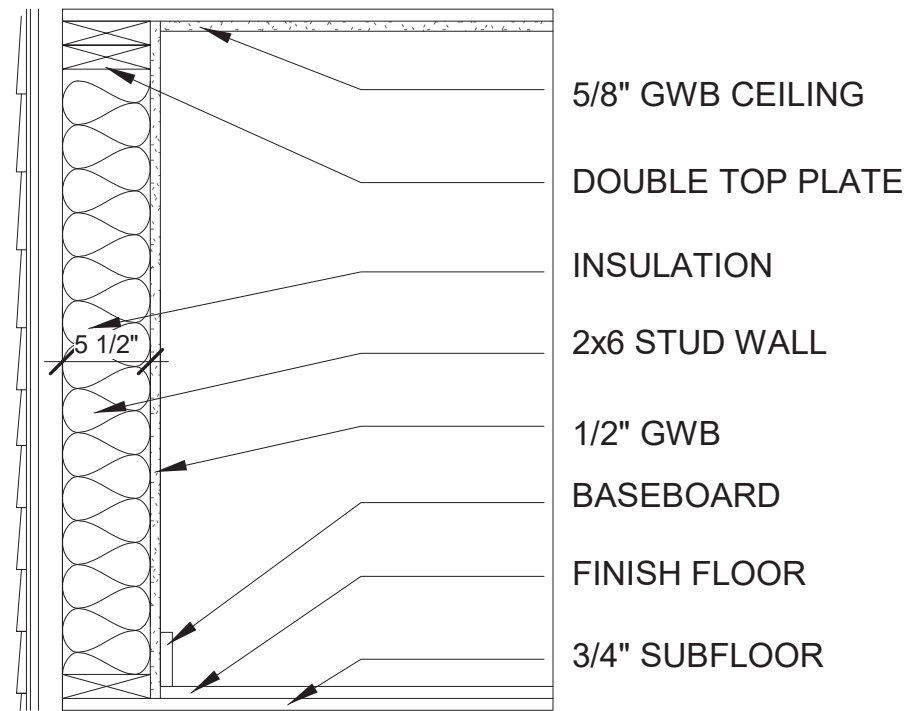
4 SAME AS 3 EXCEPT
2x4 STUDS
SCALE: 3/4" = 1'-0"



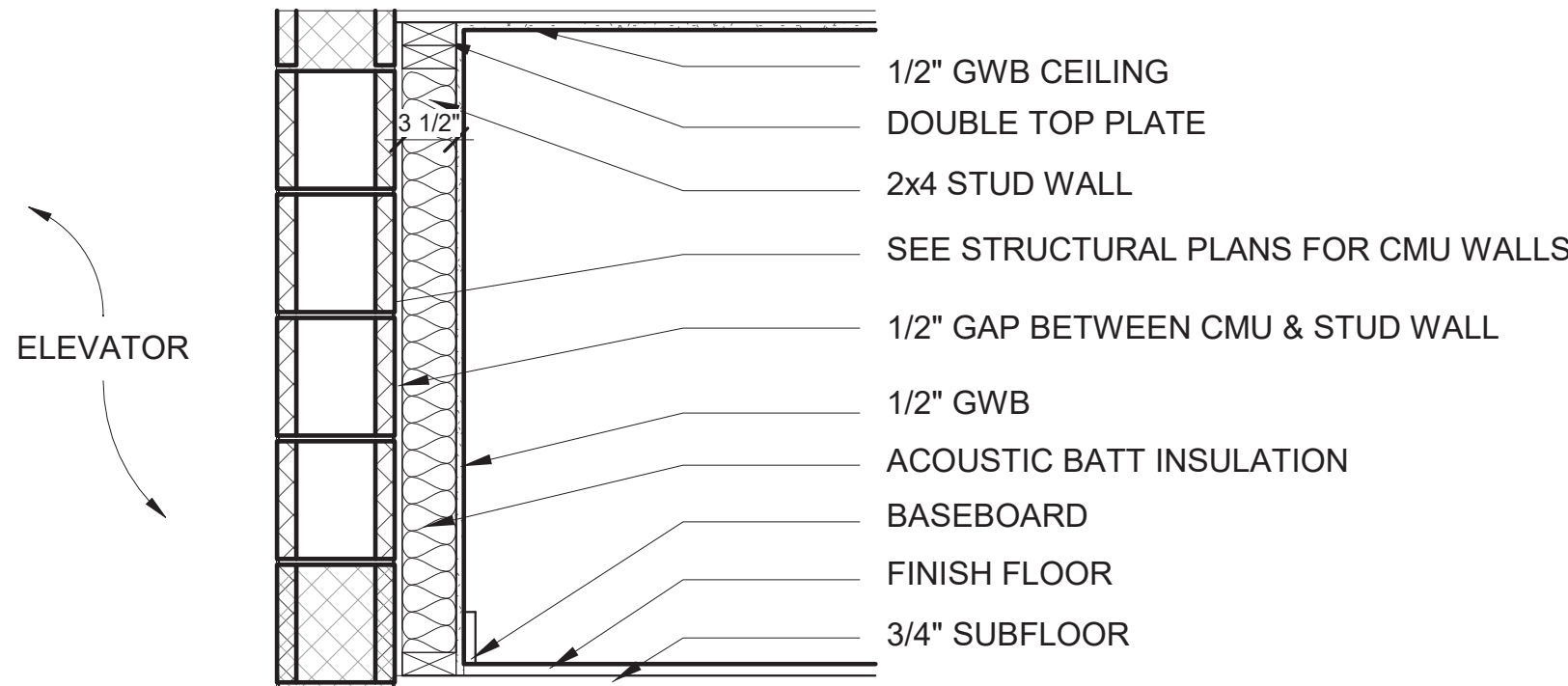
6 EXTERIOR FOUNDATION WALL
SCALE: 3/4" = 1'-0"



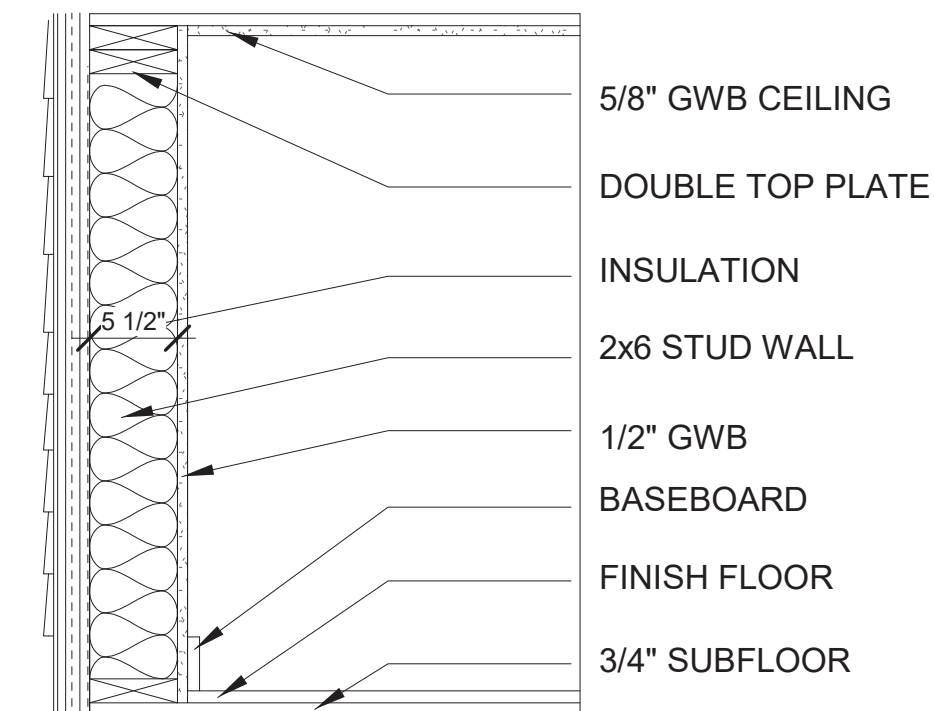
2 INTERIOR PARTITION
SCALE: 3/4" = 1'-0"



8 EXTERIOR WALL - 2ND FLOOR
SCALE: 3/4" = 1'-0"



5 ELEVATOR WALL
SCALE: 3/4" = 1'-0"



1 EXTERIOR WALL - 1ST FLOOR
SCALE: 3/4" = 1'-0"

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TYPES

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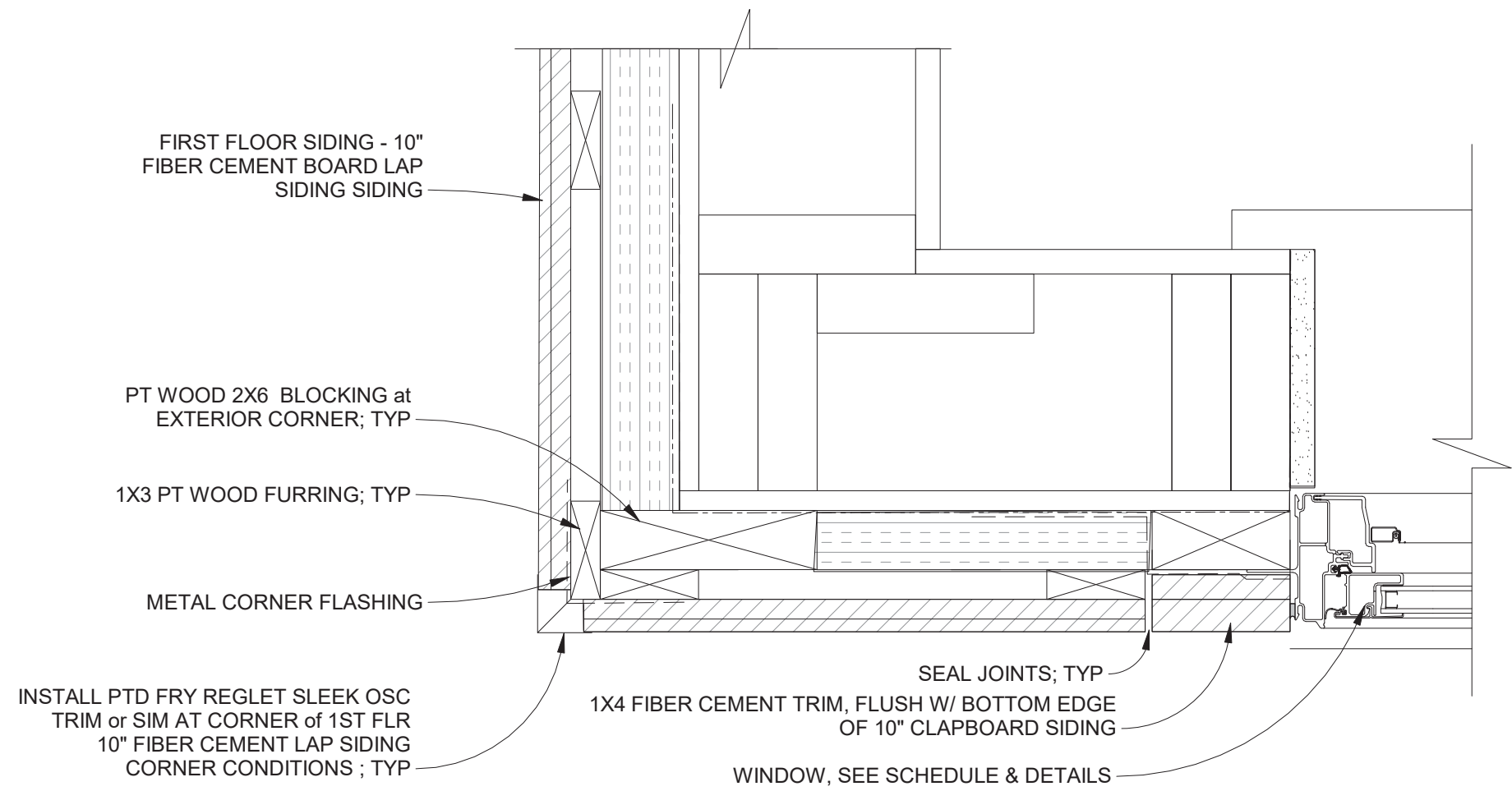
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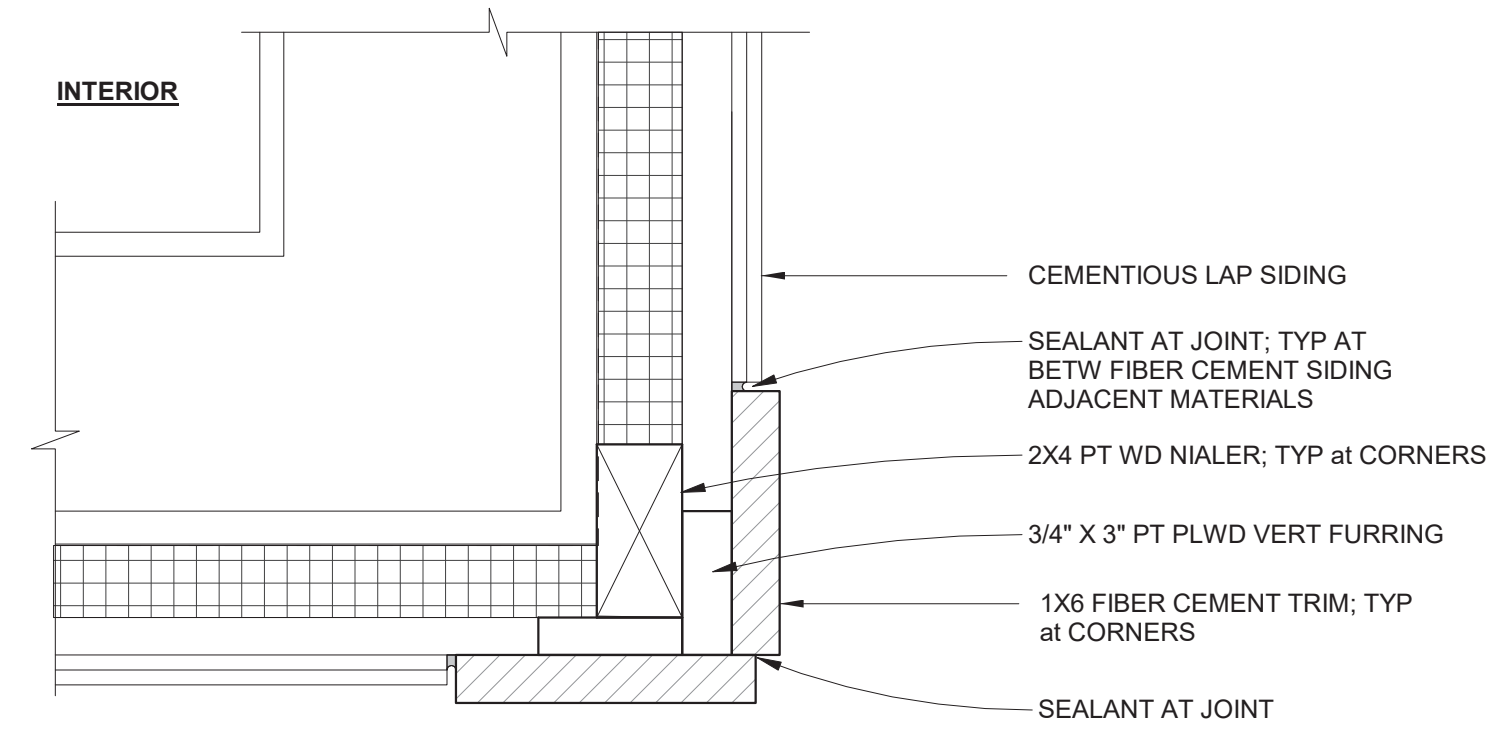
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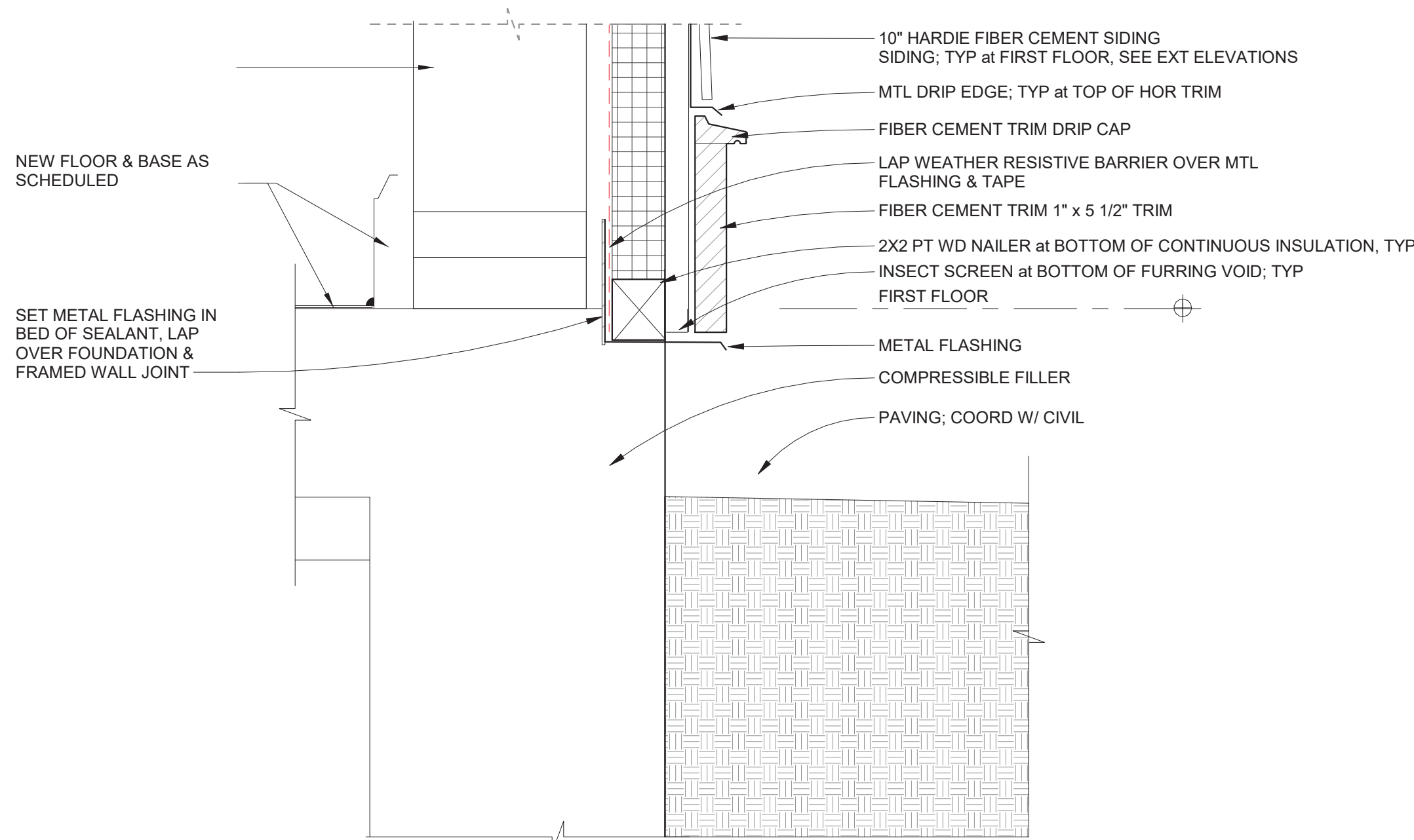
A-701



5 CORNER PLAN DETAIL at FIRST FLOOR
3" = 1'-0"



3 TYPICAL CORNER PLAN DETAIL
SCALE: 3" = 1'-0"



1 SECTION AT WATER TABLE
SCALE: 3" = 1'-0"

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HARDWARE SCHEDULE				
GROUP	QTY (EA)	DESCRIPTION	CATALOGUE NO.	MFR.
01 BUILDING ENTRY	3	HINGE	5BB1 SERIES AS SPECIFIED	IVE
	1	CORRIDOR W/DEADBOLT	L9456GD LATB L583-363	IVE
	1	FLOOR STOP	FS436	IVE
	1	GASKETING	488S-BK	ZER
	1	DOOR GUARD	482	IVE
	1	DOOR KNOCKER	625CVE	TRI
02 OFFICE & PROGRAM AREAS	3	HINGE	5BB1 SERIES AS SPECIFIED	IVE
	1	CLASSROOM LOCK	L9070	SCH
	1	STOP	WS407/FS436 AS SPECIFIED	IVE
	3	SILENCER	SR64	IVE
03 BATHROOMS	3	HINGE	5BB1 SERIES AS SPECIFIED	IVE
	1	DOOR PULL	8103EZ -0	IVE
	1	PUSH PLATE	8200	IVE
	1	SURFACE CLOSER	4050 RW/PA AS SPECIFIED	LCN
	1	KICK PLATE	8400 10" X 2" LDW B-CS	IVE
	1	MOP PLATE	8400 4" X 2" LDW B-CS	IVE
	1	WALL STOP	WS407	IVE
04 COMMUNITY ROOM	3	SILENCER	SR64	IVE
	3	HINGE	5BB1 SERIES AS SPECIFIED	IVE
	1	PANIC HARDWARE	CD-99-L	VON
	1	MORTISE CYLINDER	AS REQUIRED	SCH
	1	RIM CYLINDER	AS REQUIRED	SCH
	1	SURFACE CLOSER	4050 EDA	LCN
	1	STOP	WS407/FS436 AS SPECIFIED	IVE
05 KITCHEN	3	SILENCER	SR64	IVE
	3	HINGE	5BB1 SERIES AS SPECIFIED	IVE
	1	DOOR PULL	8103EZ -0	IVE
	1	PUSH PLATE	8200	IVE
	1	SURFACE CLOSER	4050 RW/PA AS SPECIFIED	LCN
	1	KICK PLATE	8400 10" X 2" LDW B-CS	IVE
	1	MOP PLATE	8400 4" X 2" LDW B-CS	IVE
06 MECHANICAL & ELEVATOR ROOM	1	WALL STOP	WS407	IVE
	3	SILENCER	SR64	IVE
	3	HINGE	5BB1 SERIES AS SPECIFIED	IVE
	1	STOREROOM LOCK	L9080	SCH
	1	STOP	WS407/FS436 AS SPECIFIED	IVE
	3	SILENCER	SR64	IVE

DOOR NO.	LOCATION	TYPE	MANUFACTURER	MODEL	MATERIAL	SIZE	FIRE RATING	FRAME TYPE	HARDWARE	REMARKS
BASEMENT										
1	EXTERIOR DOOR	A-4	THERMATRU	S296XG	FIBERGLASS	6'-8" X 3'-0"	N	WOOD	1	
2	STAIRS	G	TGP		HOLLOW METAL FIRE RATED VISION PANEL	6'-8" X 3'-0"	Y	WOOD	2	
3	MECHANICAL ROOM	H	THERMATRU	SE514	HOLLOW METAL	6'-6" X 3'-0"	N	WOOD	6	
4	CORRIDOR/FUTURE PROGRAM SPACE B1	F	MASONITE	CLASSICS	SOLID CORE MOLDED 6 PANEL	6'-6" X 3'-0"	N	WOOD	2	
5	FUTURE PROGRAM SPACE B2	F	MASONITE	CLASSICS	SOLID CORE MOLDED 6 PANEL	6'-6" X 3'-0"	N	WOOD	2	
6	FUTURE PROGRAM SPACE B1/B2	F	MASONITE	CLASSICS	SOLID CORE MOLDED 6 PANEL	6'-6" X 3'-0"	N	WOOD	2	
7	ELEVATOR MECHANICAL ROOM	H	THERMATRU	SE514	HOLLOW METAL	6'-6" X 3'-0"	Y	WOOD	6	
8	BULKHEAD		THERMATRU	STEEL	STEEL	6'-6" X 3'-0"	N	WOOD		
FIRST FLOOR										
101	NEW MAIN ENTRY 1	A-1	SIMPSON	7044 + 7702 SIDELITES	FIBERGLASS WITH SIDELITES	6'-8" X 3'-0" + SIDELITES	N	WOOD	1	
102	SIDE ENTRY 3	A-3	THERMATRU	S289	FIBERGLASS 4 PANEL W/ GLASS UPPER PANELS	6'-8" X 3'-0"	N	WOOD	1	
103	OLD FRONT ENTRY 2	A-2	SIMPSON	TBD	MATCH EXISTING	EXIST.	N	EXIST	EXIST	
104	RECEPTION/OFFICE	B	MASONITE	FRENCH	10 LITE	6'-8" X 3'-0"	N	WOOD	2	
105	BATH 1 (WOMEN'S)	C	MASONITE	CLASSICS	SOLID CORE MOLDED 6 PANEL	6'-8" X 3'-0"	N	WOOD	3	
106	BATH 2 (MEN'S)	C	MASONITE	CLASSICS	SOLID CORE MOLDED 6 PANEL	6'-8" X 3'-0"	N	WOOD	3	
107	PROGRAM 1/SITTING ROOM	C	MASONITE	CLASSICS	SOLID CORE MOLDED 6 PANEL	6'-8" X 3'-0"	N	WOOD	2	
108	HALLWAY	C	MASONITE	CLASSICS	SOLID CORE MOLDED 6 PANEL	6'-8" X 3'-0"	N	WOOD	2	
109	CLOSET UNDER STAIR	EX	EXISTING							
110	PROGRAM 1	EX	EXISTING							
111	PROGRAM 2	C	MASONITE	CLASSICS	SOLID CORE MOLDED 6 PANEL	6'-8" X 3'-0"	N	WOOD	2	
112	PROGRAM 3	C	MASONITE	CLASSICS	SOLID CORE MOLDED 6 PANEL	6'-8" X 3'-0"	N	WOOD	2	
113	PROGRAM 1 - 2	EX	EXISTING							
114	PROGRAM 2 - CLOSET	EX	EXISTING							
115	STORAGE	C	MASONITE	CLASSICS	SOLID CORE MOLDED 6 PANEL	6'-8" X 3'-0"	N	WOOD	2	
116	KITCHEN	B	MASONITE	FRENCH	10 LITE	6'-8" X 3'-0"	N	WOOD	2	
117	MULTIPURPOSE/COMMUNITY ROOM	D	MASONITE	BARN DOOR W/ FRENCH DOOR PANELS	SLIDING FRENCH "DOOR " W/ TRACK AT TOP AND SLOT IN FLOOR AT BOTTOM	7'-0" X 6'-0"	N	WOOD	6	FACE MOUNTED ON TRACK WITH SLOT RAIL IN FLOOR
118	KITCHEN	E	MASONITE	FRENCH	10 LITE	6'-8" X 2'-8"	N	WOOD	5	
119	JAN CLOSET	C	MASONITE	CLASSICS	SOLID CORE MOLDED 6 PANEL	6'-8" X 2'-8"	N	WOOD	2	
SECOND FLOOR										
201	FUTURE PROGRAM SPACE 1	C	MASONITE	CLASSICS	SOLID CORE MOLDED 6 PANEL	6'-8" X 3'-0"	N	WOOD	2	
202	CORRIDOR	F	MASONITE	CLASSICS	SOLID CORE MOLDED 6 PANEL	6'-6" X 3'-0"	N	WOOD	2	
203	PROGRAM 4	F	MASONITE	CLASSICS	SOLID CORE MOLDED 6 PANEL	6'-6" X 3'-0"	N	WOOD	2	
204	PROGRAM 6	F	MASONITE	CLASSICS	SOLID CORE MOLDED 6 PANEL	6'-6" X 3'-0"	N	WOOD	2	
205	PROGRAM 5	F	MASONITE	CLASSICS	SOLID CORE MOLDED 6 PANEL	6'-6" X 3'-0"	N	WOOD	2	
206	UNISEX BATHROOM	F	MASONITE	CLASSICS	SOLID CORE MOLDED 6 PANEL	6'-6" X 3'-0"	N	WOOD	3	
207	PROGRAM 8	F	MASONITE	CLASSICS	SOLID CORE MOLDED 6 PANEL	6'-6" X 3'-0"	N	WOOD	2	
208	JAN CLOSET	F	MASONITE		SOLID CORE MOLDED 6 PANEL	EXIST.	N	WOOD	2	
209	PROGRAM 6	EX.	EXISTING							
210	PROGRAM 7	F	MASONITE	CLASSICS	SOLID CORE MOLDED 6 PANEL	6'-6" X 3'-0"	N	WOOD	2	
211	PROGRAM 7	EX.	EXISTING							
212	PROGRAM 7 - CLOSET	EX	EXISTING							
213	PROGRAM 6 - CLOSET	EX	EXISTING							
214	PROGRAM 7 - CLOSET	EX	EXISTING							
215	FUTURE PROGRAM SPACE 11	C	MASONITE	CLASSICS	SOLID CORE MOLDED 6 PANEL	6'8 X 3'-0"	N	WOOD	2	
216	PROGRAM 8	EX.	EXISTING							
217	PROGRAM 8 CLOSET	EX	EXISTING							
218	FUTURE PROGRAM SPACE 1	C	MASONITE	CLASSICS	SOLID CORE MOLDED 6 PANEL	6'-8" X 3'-0"	N	WOOD	2	

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SCHEDULE &
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WINDOW SCHEDULE

TYPE	STYLE	MANUF.***	MATERIAL	MODEL	NOMINAL SIZE	GLASS	LITE PATTERN	HARDWARE
A	DOUBLE HUNG	ANDERSON	FIBREX	100SHS2650	2'-6" X 5'-0"	LOW-E	SDL 6/6	
B	DOUBLE - DOUBLE HUNG	ANDERSON	FIBREX	100SHS2650 -2W	5'-0" X 5'-0"	LOW-E	SDL 6/6	
C	TRIPLE - DOUBLE HUNG	ANDERSON	FIBREX	100SHS2650 -3W	7'-5" X 5'-0"	LOW-E	SDL 6/6	
D	DOUBLE HUNG	ANDERSON	FIBREX	100SHS2640	2'-6" X 4'-0"	LOW-E	SDL 6/6	
E	DOUBLE - DOUBLE HUNG	ANDERSON	FIBREX	100SHS2640-2W	5'-0" X 4'-0"	LOW-E	SDL 6/6	
F	CASEMENT/AWNING	ANDERSON	FIBREX	100 CA 2656/ 100 AWN2626	3'-0" X 8'-0"	LOW-E	SDL 10/6 LITE	
G	TRIPLE - DOUBLE HUNG	ANDERSON	FIBREX	100SHS2640-3W	7'-5" X 4'-0"	LOW-E	SDL 6/6	
H	AWNING	ANDERSON	FIBREX	100AWN2626	2'-6" X 2'-6"	LOW-E	SDL 6 LITE	
I	AWNING	ANDERSON	FIBREX	100AWN3020	3'-0" X 2'-0"	LOW-E	SDL 6 LITE	
J	DOUBLE HUNG	ANDERSON	FIBREX	100SHS2646	2'-6" x 4'-6"	LOW-E	SDL 6/6	
ETR	EXISTING TO REMAIN	OOD	WOOD					

NOTES:	
1	GC TO CONFIRM ALL WINDOW OPENING SIZES IN FIELD PRIOR TO ORDERING.
2	*** = MANUFACTURER MAY BE "OR EQUAL" PROVIDED ALL MATERIALS, DIMENSIONS AND DETAILS ARE OF EQUAL STRENGTH, DURABILITY AND APPEARANCE.
3	GC TO PROVIDE SHOP DRAWINGS FOR ALL NEW WINDOW SELECTIONS AND INSTALLATION METHODS
4	AS ALTERNATE, REPLACE ALL EXISTING WINDOWS ON FIRST & SECOND FLOORS

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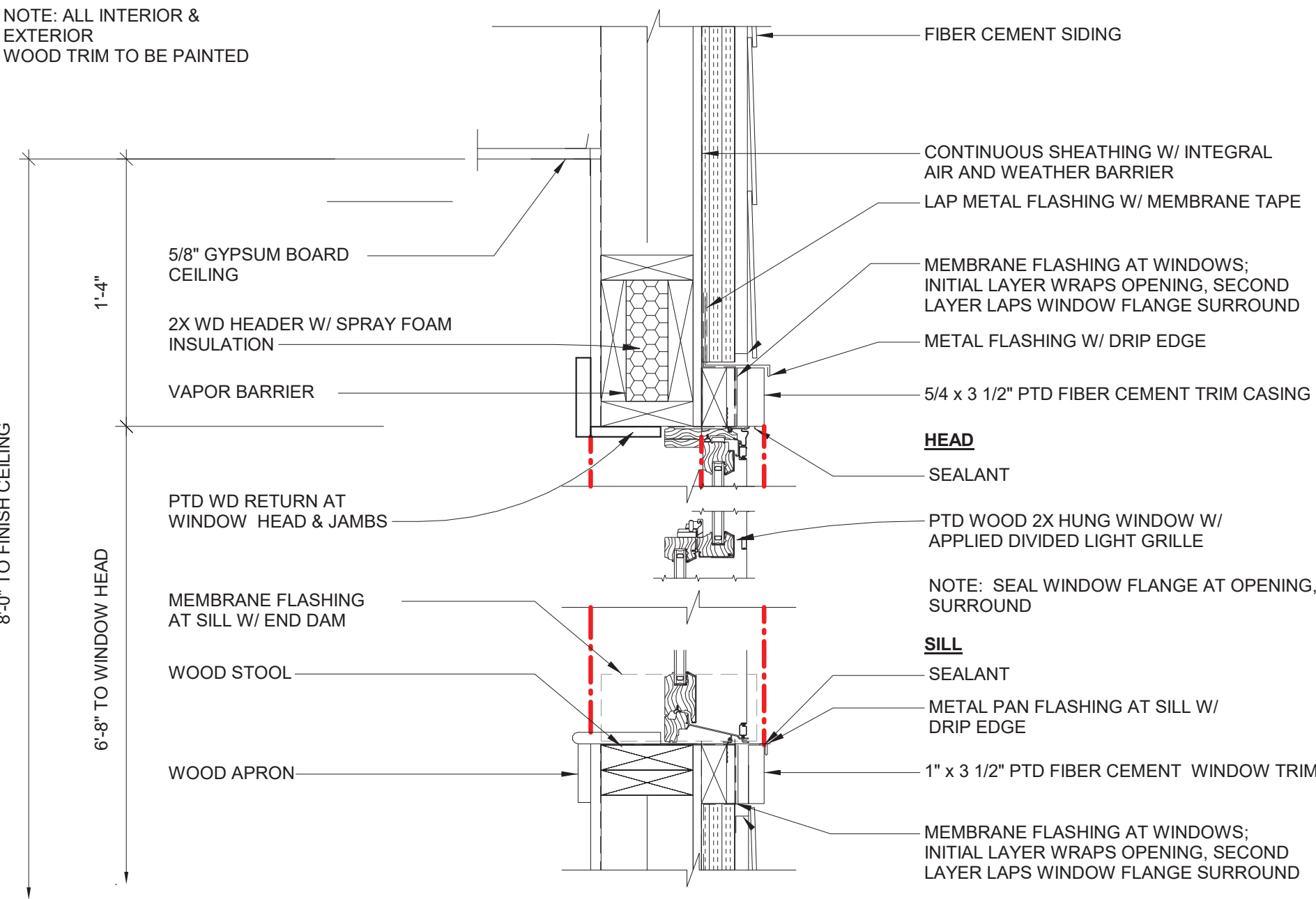
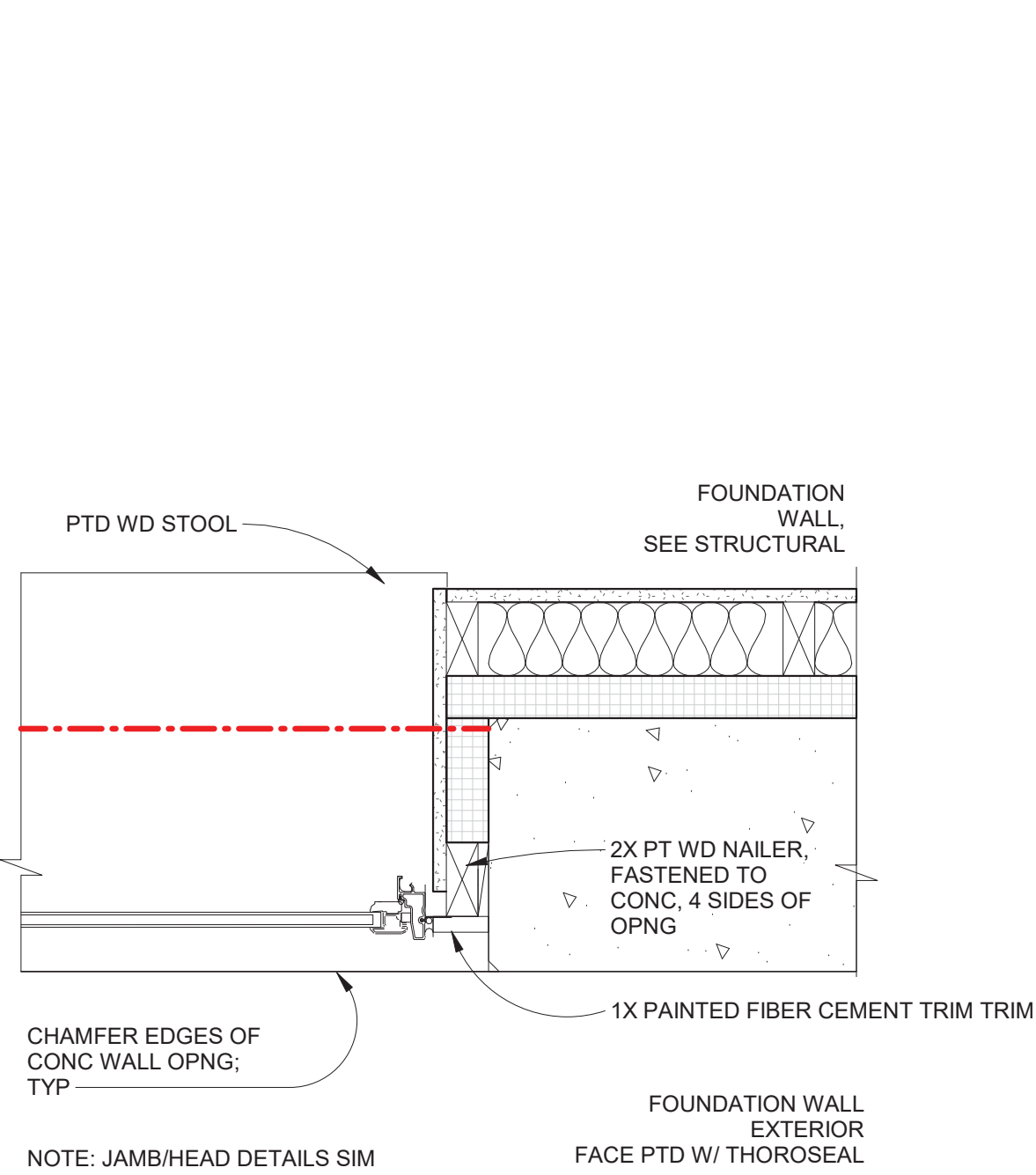
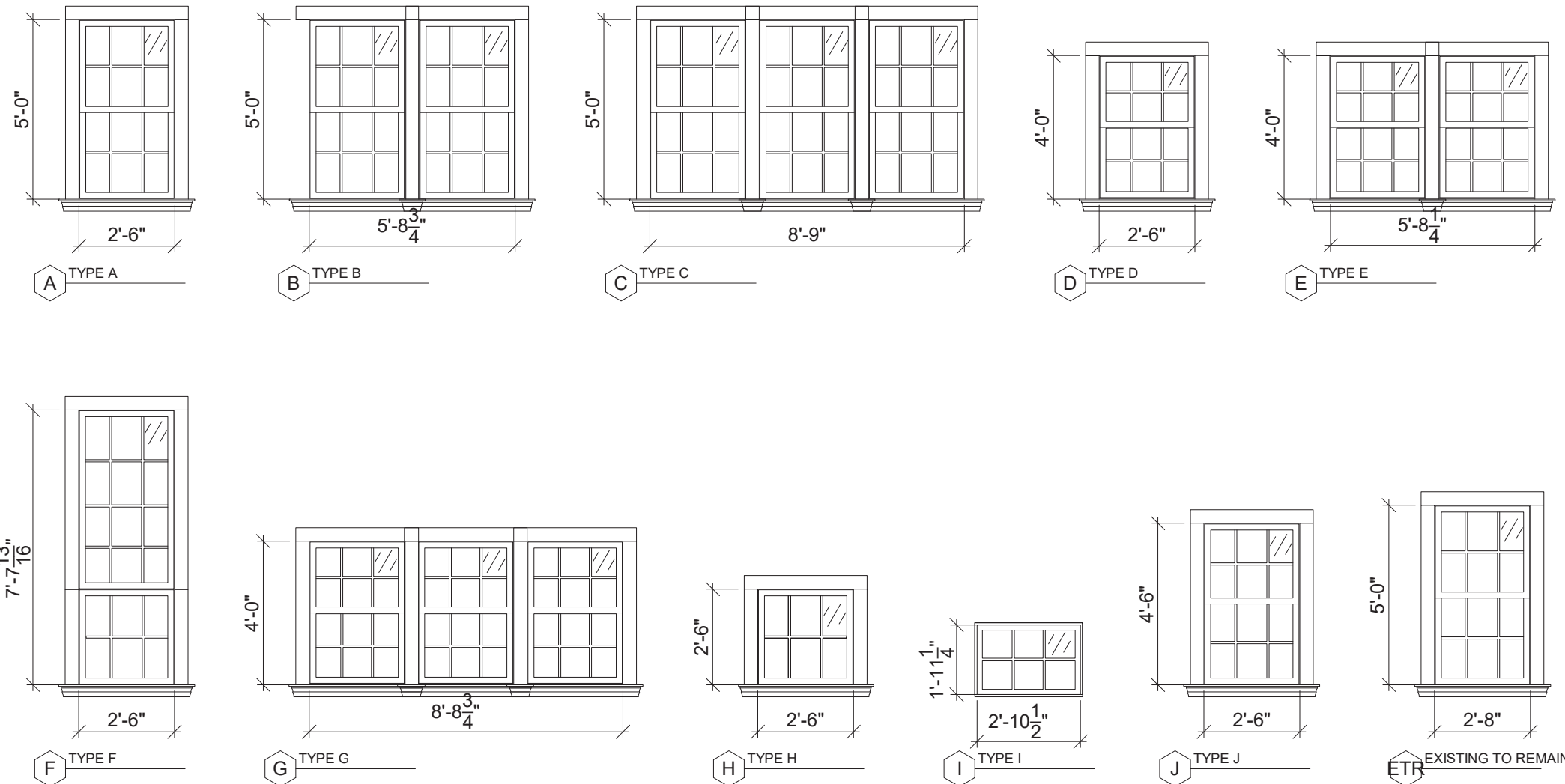
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1 WINDOW TYPE
1/4" = 1'-0"

2 WINDOW DETAILS
1 1/2" = 1'-0"

FINISH SCHEDULE - POPE'S TAVERN HALIFAX						
AREA	FLOORING	WALLS	CEILING	DOOR/WINDOW TRIM	BASE	COMMENTS
EXISTING BUILDING						
FIRST FLOOR						
ENTRY 1 (NEW)	NEW WOOD STRIP FLOORING TO MATCH EXISTING.	1/ 2" GWB , LEVEL 4 SMOOTH FINISH. PAINT PRIMER + 2 COATS	1/ 2" GWB , LEVEL 4 SMOOTH FINISH. PAINT PRIMER + 2 COATS	3" COLONIAL CASING PAINT PRIMER + 2 COATS	4" TALL PTD. MDF SPEEDBASE #622. PAINT PRINER + 2 COATS	
ENTRY 2 (EXISTING)	WOOD STRIP FLOORING, PATCH/ REPAIR WHERE REQUIRED	RETAIN EXISTING WALLPAPER	PATCH/REPAIR EXISTING. PAINT PRIMER + 2 COATS	RETAIN EXISTING. PAINT PRIMER + 2 COATS	RETAIN EXISTING. PAINT PRIMER + 2 COATS	
HALL 101	NEW WOOD STRIP FLOORING TO MATCH EXISTING.	1/ 2" GWB , LEVEL 4 SMOOTH FINISH. PAINT PRIMER + 2 COATS	1/ 2" GWB , LEVEL 4 SMOOTH FINISH. PAINT PRIMER + 2 COATS	3" COLONIAL CASING PAINT PRIMER + 2 COATS	4" TALL PTD. MDF SPEEDBASE #622. PAINT PRINER + 2 COATS	
HALL 102	WOOD STRIP FLOORING, PATCH/ REPAIR WHERE REQUIRED	RETAIN EXISTING WALLPAPER	PATCH/REPAIR EXISTING. PAINT PRIMER + 2 COATS	RETAIN EXISTING. PAINT PRIMER + 2 COATS	RETAIN EXISTING. PAINT PRIMER + 2 COATS	
RECEPTION OFFICE	NEW WOOD STRIP FLOORING TO MATCH EXISTING.	1/ 2" GWB , LEVEL 4 SMOOTH FINISH. PAINT PRIMER + 2 COATS	1/ 2" GWB , LEVEL 4 SMOOTH FINISH. PAINT PRIMER + 2 COATS	3" COLONIAL CASING PAINT PRIMER + 2 COATS	4" TALL PTD. MDF SPEEDBASE #622. PAINT PRINER + 2 COATS	
PROGRAM 1	REMOVE EXISTING CARPETING AND REPLACE WITH NEW CARPETING.	RETAIN EXISTING WALLPAPER	PATCH/REPAIR EXISTING. PAINT PRIMER + 2 COATS	RETAIN EXISTING. PAINT PRIMER + 2 COATS	RETAIN EXISTING. PAINT PRIMER + 2 COATS	
PROGRAM 2	REMOVE EXISTING CARPETING AND REPLACE WITH NEW CARPETING.	RETAIN EXISTING WALLPAPER	PATCH/REPAIR EXISTING. PAINT PRIMER + 2 COATS	RETAIN EXISTING. PAINT PRIMER + 2 COATS	RETAIN EXISTING. PAINT PRIMER + 2 COATS	
PROGRAM 3	REMOVE EXISTING CARPETING AND REPLACE WITH NEW CARPETING.	RETAIN EXISTING WALLPAPER	PATCH/REPAIR EXISTING. PAINT PRIMER + 2 COATS	RETAIN EXISTING. PAINT PRIMER + 2 COATS	RETAIN EXISTING. PAINT PRIMER + 2 COATS	
BATH 1 (WOMEN)	CERAMIC TILE OVER THIN SET CONCRETE	5/ 8" GWB, LEVEL 4 SMOOTH FINISH. PAINT PRIMER + 2 COATS	5/ 8" NON PAPER-FACED GWB , LEVEL 4 SMOOTH FINISH. PAINT PRIMER + 2 COATS	3" COLONIAL CASING PAINT PRIMER + 2 COATS	2" CERAMIC TILE	
BATH 2 (MEN)	CERAMIC TILE OVER THIN SET CONCRETE	5/ 8" GWB, LEVEL 4 SMOOTH FINISH. PAINT PRIMER + 2 COATS	5/ 8" NON PAPER-FACED GWB , LEVEL 4 SMOOTH FINISH. PAINT PRIMER + 2 COATS	3" COLONIAL CASING PAINT PRIMER + 2 COATS	2" CERAMIC TILE	
JANITOR	CERAMIC TILE OVER THIN SET CONCRETE	EPOXY PAINTED OVER 1/2" PAPERLESS GWB	PATCH/REPAIR EXISTING. PAINT PRIMER + 2 COATS	3" COLONIAL CASING PAINT PRIMER + 2 COATS	2" CERAMIC TILE	
SECOND FLOOR						
PROGRAM 4	NEW WOOD STRIP FLOORING TO MATCH EXISTING.	1/ 2" GWB , LEVEL 4 SMOOTH FINISH. PAINT PRIMER + 2 COATS	1/ 2" GWB , LEVEL 4 SMOOTH FINISH. PAINT PRIMER + 2 COATS	3" COLONIAL CASING PAINT PRIMER + 2 COATS	4" TALL PTD. MDF SPEEDBASE #622. PAINT PRINER + 2 COATS	
PROGRAM 5	NEW WOOD STRIP FLOORING TO MATCH EXISTING.	1/ 2" GWB , LEVEL 4 SMOOTH FINISH. PAINT PRIMER + 2 COATS	1/ 2" GWB , LEVEL 4 SMOOTH FINISH. PAINT PRIMER + 2 COATS	3" COLONIAL CASING PAINT PRIMER + 2 COATS	4" TALL PTD. MDF SPEEDBASE #622. PAINT PRINER + 2 COATS	
PROGRAM 6	REMOVE EXISTING CARPETING AND REPLACE WITH NEW CARPETING.	RETAIN EXISTING WALLPAPER	PATCH/REPAIR EXISTING. PAINT PRIMER + 2 COATS	RETAIN EXISTING. PAINT PRIMER + 2 COATS	RETAIN EXISTING. PAINT PRIMER + 2 COATS	
PROGRAM 7	REMOVE EXISTING CARPETING AND REPLACE WITH NEW CARPETING.	RETAIN EXISTING WALLPAPER	PATCH/REPAIR EXISTING. PAINT PRIMER + 2 COATS	RETAIN EXISTING. PAINT PRIMER + 2 COATS	RETAIN EXISTING. PAINT PRIMER + 2 COATS	
PROGRAM 8	REMOVE EXISTING CARPETING AND REPLACE WITH NEW CARPETING.	RETAIN EXISTING WALLPAPER	PATCH/REPAIR EXISTING. PAINT PRIMER + 2 COATS	RETAIN EXISTING. PAINT PRIMER + 2 COATS	RETAIN EXISTING. PAINT PRIMER + 2 COATS	
BATH 3 (UNISEX)	CERAMIC TILE OVER THIN SET CONCRETE	5/ 8" GWB, LEVEL 4 SMOOTH FINISH. PAINT PRIMER + 2 COATS	5/ 8" NON PAPER-FACED GWB , LEVEL 4 SMOOTH FINISH. PAINT PRIMER + 2 COATS	3" COLONIAL CASING PAINT PRIMER + 2 COATS	2" CERAMIC TILE	
HALL 201	WOOD STRIP FLOORING, PATCH/ REPAIR WHERE REQUIRED	RETAIN EXISTING WALLPAPER	PATCH/REPAIR EXISTING. PAINT PRIMER + 2 COATS	RETAIN EXISTING. PAINT PRIMER + 2 COATS	RETAIN EXISTING. PAINT PRIMER + 2 COATS	
JANITOR	CERAMIC TILE OVER THIN SET CONCRETE	EPOXY PAINTED OVER 1/2" PAPERLESS GWB	PATCH/REPAIR EXISTING. PAINT PRIMER + 2 COATS	3" COLONIAL CASING PAINT PRIMER + 2 COATS	2" CERAMIC TILE	
ADDITION						
BASEMENT						
HALL 001	CERAMIC TILE OVER CONCRETE	1/ 2" GWB , LEVEL 4 SMOOTH FINISH. PAINT PRIMER + 2 COATS	5/8" GWB , LEVEL 4 SMOOTH FINISH. PAINT PRIMER + 2 COATS	3" COLONIAL CASING PAINT PRIMER + 2 COATS	4" TALL PTD. MDF SPEEDBASE #622. PAINT PRINER + 2 COATS	
PROGRAM 9	CONCRETE UNFINISHED	1/ 2" GWB , LEVEL 4 SMOOTH FINISH. PAINT PRIMER + 2 COATS	5/8" GWB , LEVEL 4 SMOOTH FINISH. PAINT PRIMER + 2 COATS	3" COLONIAL CASING PAINT PRIMER + 2 COATS	4" TALL PTD. MDF SPEEDBASE #622. PAINT PRINER + 2 COATS	
PROGRAM 10	CONCRETE UNFINISHED	1/ 2" GWB , LEVEL 4 SMOOTH FINISH. PAINT PRIMER + 2 COATS	5/8" GWB , LEVEL 4 SMOOTH FINISH. PAINT PRIMER + 2 COATS	3" COLONIAL CASING PAINT PRIMER + 2 COATS	4" TALL PTD. MDF SPEEDBASE #622. PAINT PRINER + 2 COATS	
MECHANICAL ROOM	CONCRETE UNFINISHED	CONCRETE UNFINISHED				
ELEV. MECH ROOM	CONCRETE UNFINISHED	CONCRETE UNFINISHED				
STAIR 1	RAISED RUBBER TREADS AND LANDING, VINYL RISERS	5/8" GWB , LEVEL 4 SMOOTH FINISH. PAINT PRIMER + 2 COATS	5/8" GWB , LEVEL 4 SMOOTH FINISH. PAINT PRIMER + 2 COATS	3" COLONIAL CASING PAINT PRIMER + 2 COATS	4" TALL PTD. MDF SPEEDBASE #622. PAINT PRINER + 2 COATS	
FIRST FLOOR						
LOBBY	LUXURY VINYL PLANK	5/8" GWB , LEVEL 4 SMOOTH FINISH. PAINT PRIMER + 2 COATS	5/8" GWB , LEVEL 4 SMOOTH FINISH. PAINT PRIMER + 2 COATS	3" COLONIAL CASING PAINT PRIMER + 2 COATS	4" TALL PTD. MDF SPEEDBASE #622. PAINT PRINER + 2 COATS	
STORAGE	LUXURY VINYL PLANK	5/8" GWB , LEVEL 4 SMOOTH FINISH. PAINT PRIMER + 2 COATS	5/8" GWB , LEVEL 4 SMOOTH FINISH. PAINT PRIMER + 2 COATS	3" COLONIAL CASING PAINT PRIMER + 2 COATS	4" TALL PTD. MDF SPEEDBASE #622. PAINT PRINER + 2 COATS	
MULTIPURPOSE ROOM	LUXURY VINYL PLANK	5/8" GWB , LEVEL 4 SMOOTH FINISH. PAINT PRIMER + 2 COATS	5/8" GWB , LEVEL 4 SMOOTH FINISH. PAINT PRIMER + 2 COATS	3" COLONIAL CASING PAINT PRIMER + 2 COATS	4" TALL PTD. MDF SPEEDBASE #622. PAINT PRINER + 2 COATS	
KITCHEN	12" X 24" PORCELAIN CERAMIC TILE	EPOXY PAINTED OVER 1/2" PAPERLESS GWB	5/8" NON-PAPER-FACED GWB , LEVEL 4 SMOOTH FINISH. PAINT PRIMER + 2 COATS	3" COLONIAL CASING PAINT PRIMER + 2 COATS	4" TALL PTD. MDF SPEEDBASE #622. PAINT PRINER + 2 COATS	
STAIR 1	RAISED RUBBER TREADS AND LANDING, VINYL RISERS	5/8" GWB , LEVEL 4 SMOOTH FINISH. PAINT PRIMER + 2 COATS	5/8" GWB , LEVEL 4 SMOOTH FINISH. PAINT PRIMER + 2 COATS	3" COLONIAL CASING PAINT PRIMER + 2 COATS	4" TALL PTD. MDF SPEEDBASE #622. PAINT PRINER + 2 COATS	
SECOND FLOOR						
HALL 202	LUXURY VINYL PLANK	5/8" GWB , LEVEL 4 SMOOTH FINISH. PAINT PRIMER + 2 COATS	5/8" GWB , LEVEL 4 SMOOTH FINISH. PAINT PRIMER + 2 COATS	3" COLONIAL CASING PAINT PRIMER + 2 COATS	4" TALL PTD. MDF SPEEDBASE #622. PAINT PRINER + 2 COATS	
PROGRAM 11 (FUTURE)	PLYWOOD SHEATHING	5/8" GWB , LEVEL 4 SMOOTH FINISH. PAINT PRIMER + 2 COATS	5/8" GWB , LEVEL 4 SMOOTH FINISH. PAINT PRIMER + 2 COATS	3" COLONIAL CASING PAINT PRIMER + 2 COATS	4" TALL PTD. MDF SPEEDBASE #622. PAINT PRINER + 2 COATS	
STAIR 1	RAISED RUBBER TREADS AND LANDING, VINYL RISERS	5/8" GWB , LEVEL 4 SMOOTH FINISH. PAINT PRIMER + 2 COATS	5/8" GWB , LEVEL 4 SMOOTH FINISH. PAINT PRIMER + 2 COATS	3" COLONIAL CASING PAINT PRIMER + 2 COATS	4" TALL PTD. MDF SPEEDBASE #622. PAINT PRINER + 2 COATS	

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ADDITION /
RENOVATION -
POPE'S
TAVERN,
HALIFAX, MA

Drawing:

FINISH
SCHEDULE

CONSTRUCTION DOCUMENTS

Revisions:		
No.	Description	Date

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**STRUCTURAL
FRAMING
PLANS****Revisions:**

No.	Description	Date

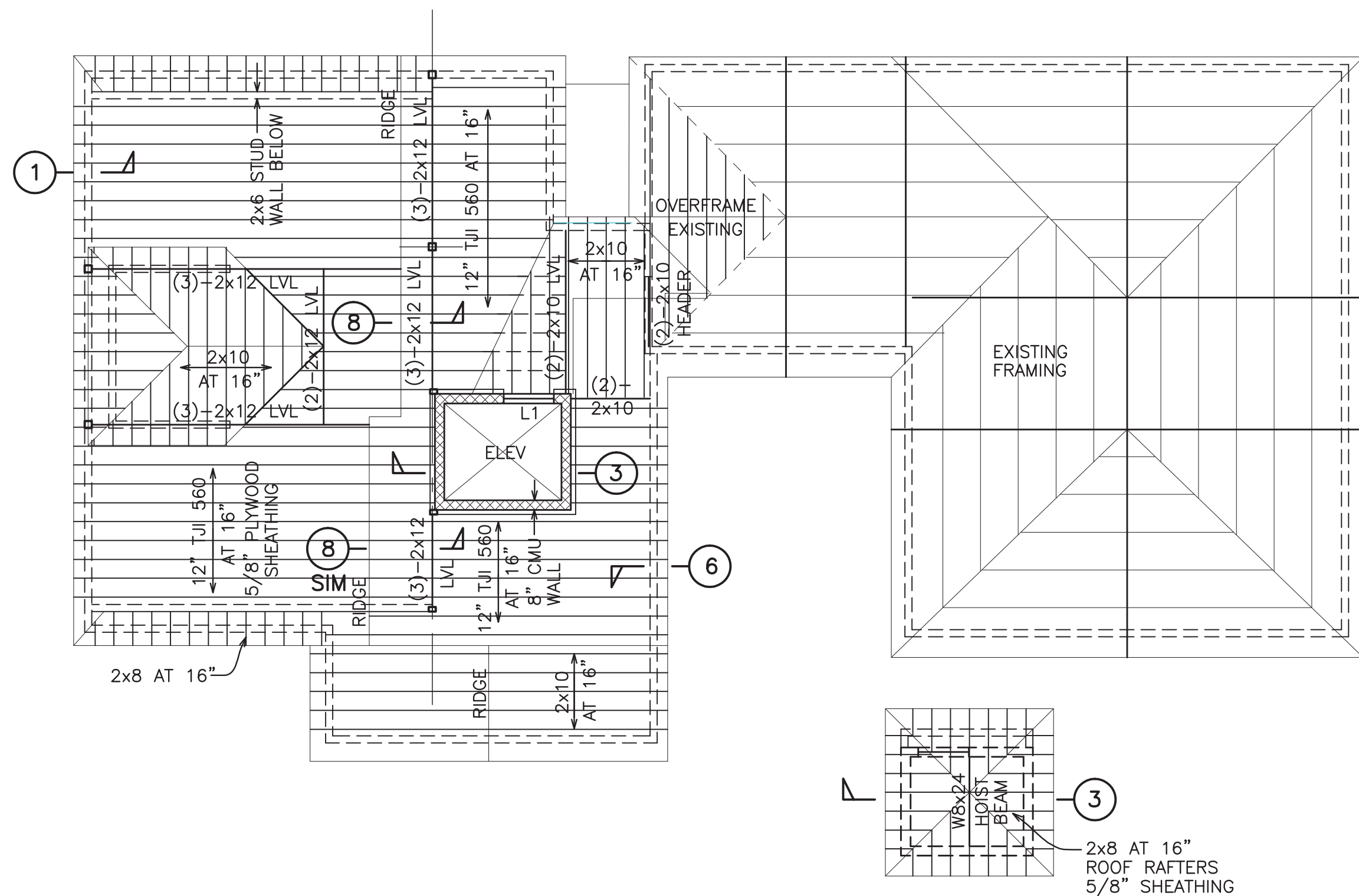
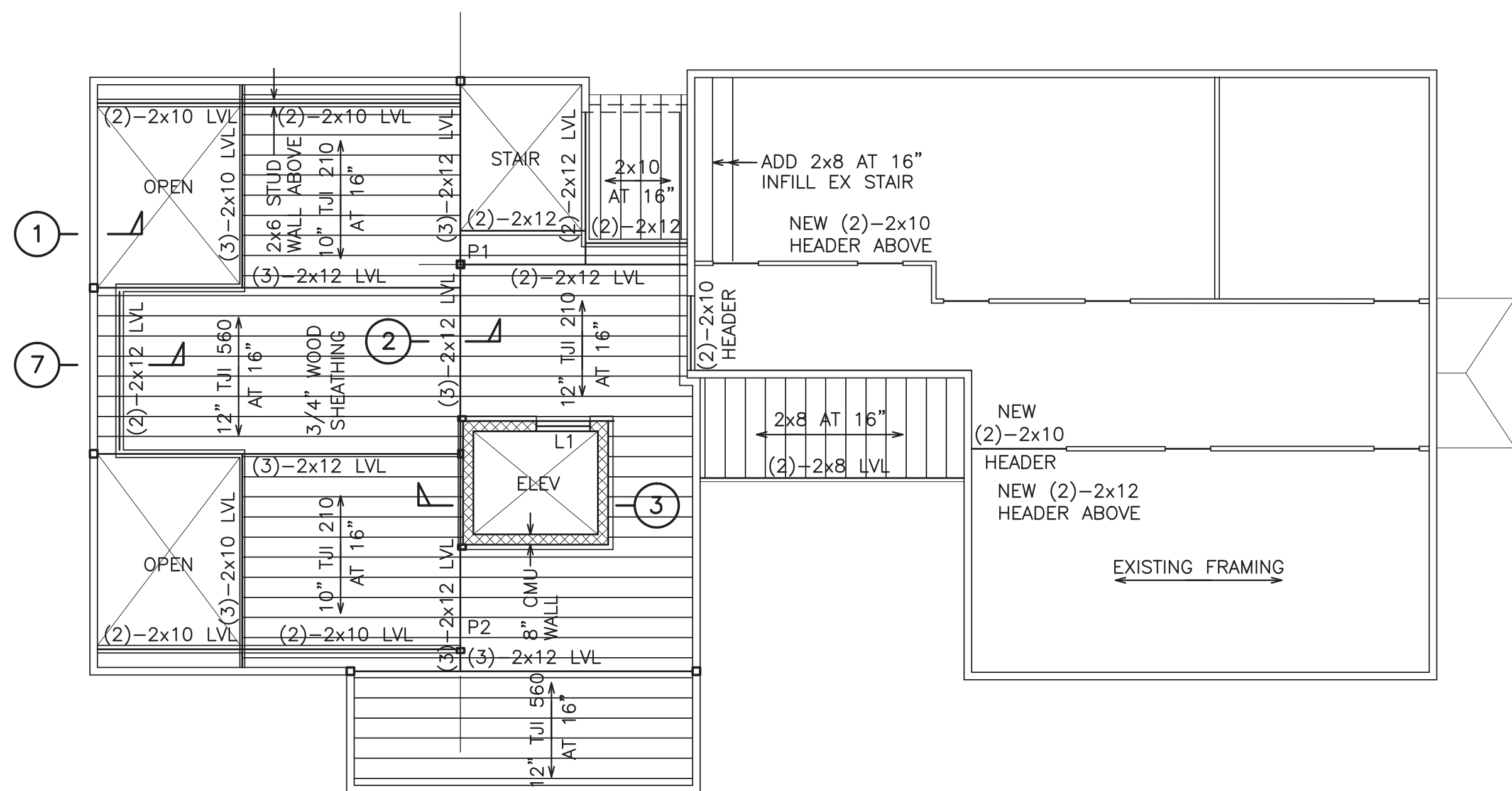
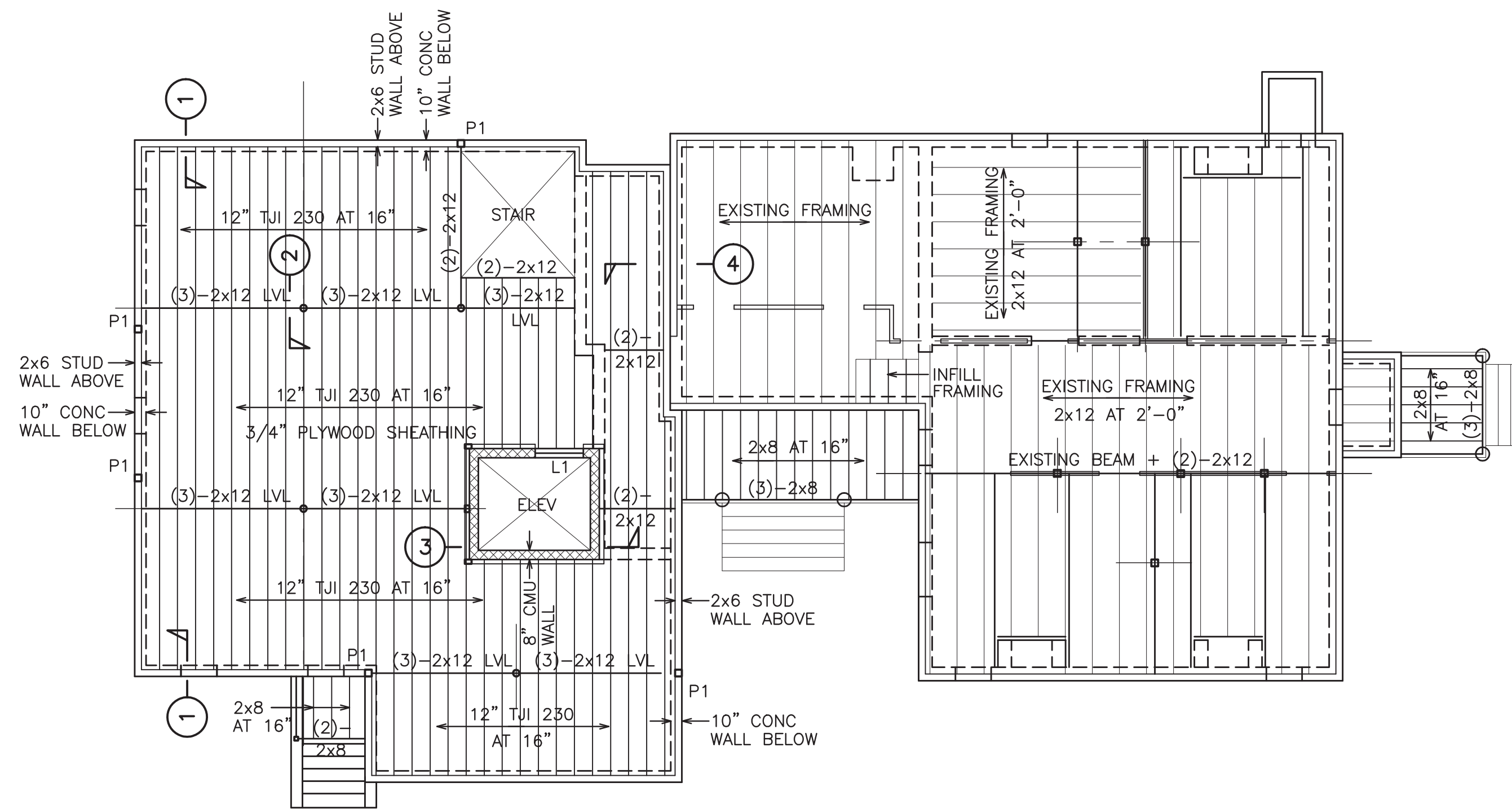
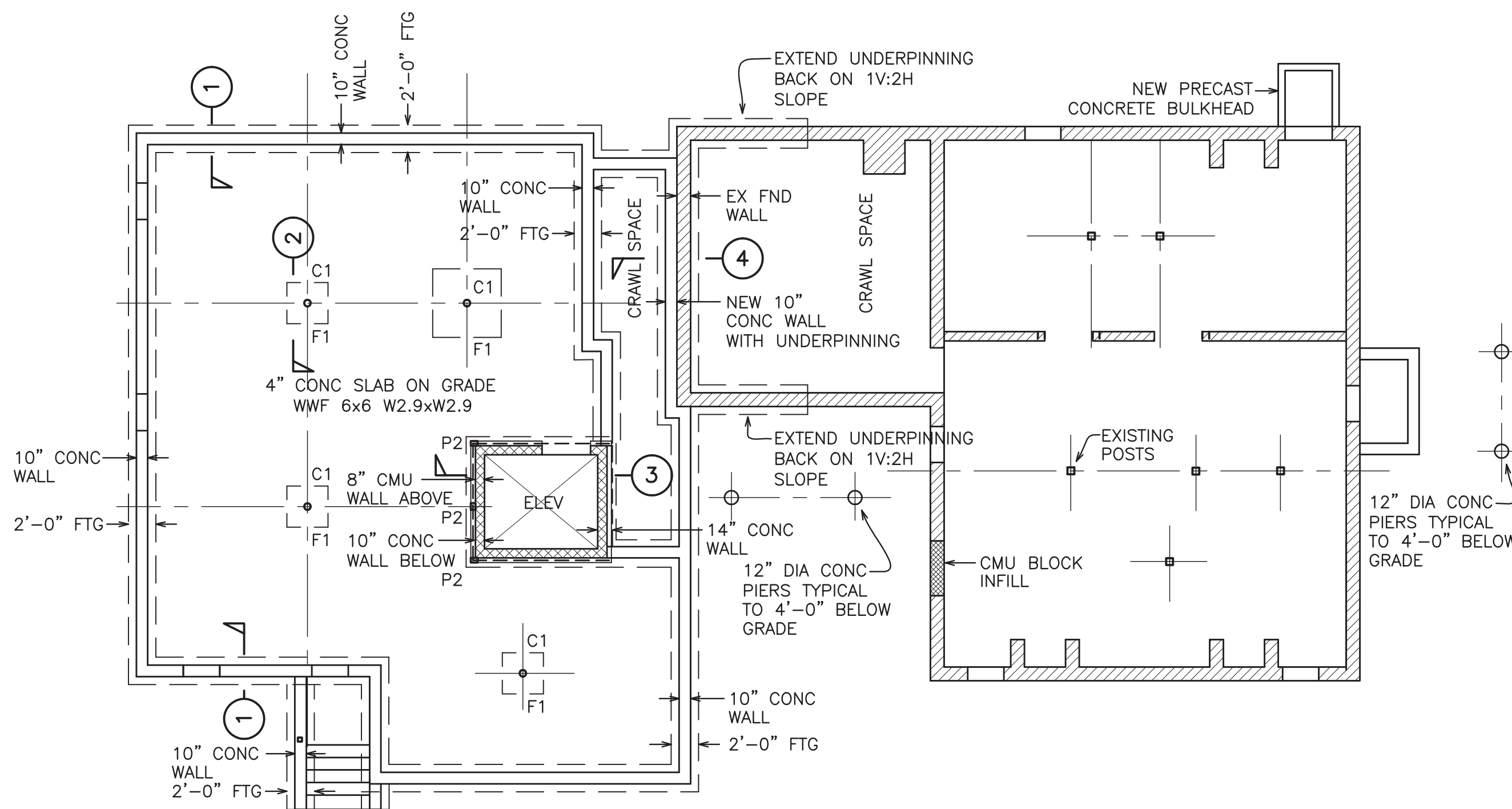
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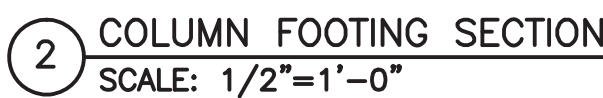
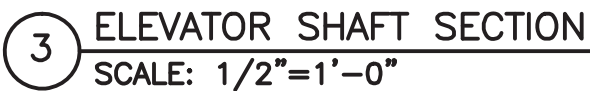
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S-1.0**ROOF FRAMING PLAN**
SCALE: 1/8"=1'-0"**ELEVATOR ROOF FRAMING PLAN**
SCALE: 1/8"=1'-0"FOR TJI FRAMING PROVIDE ONE ROW OF "TB27"
"X" BRIDGING AT MIDSPANEXTERIOR BEARING WALL HAEDERS ARE (3)-2x8 UNO.
PROVIDE MULTIPLE 2x6 WALL STUDS UNDER ENDS OF
LVL BEAMS DOWN TO FOUNDATION. NUMBER OF STUDS
TO EQUAL NUMBER OF PLYS IN BEAM.**SECOND FLOOR FRAMING PLAN**
SCALE: 1/8"=1'-0"FOR TJI FRAMING PROVIDE ONE ROW OF "TB27"
"X" BRIDGING AT MIDSPANP1 - 6x6 PSL POST
P2 - 4x6 PSL POST**FIRST FLOOR FRAMING PLAN**
SCALE: 1/8"=1'-0"C1 - 4" DIAMETER STANDARD STEEL PIPE COLUMN
F1 - 3'-0"x3'-0"x12" FTG (4)#5 B.E.W.
F2 - 5'-0"x5'-0"x16" FTG (6)#6 B.E.W.**BASEMENT / FOUNDATION PLAN**
SCALE: 1/8"=1'-0"

1. ALL WORK SHALL COMPLY WITH THE MASSACHUSETTS STATE BUILDING CODE LATEST EDITION (780 CMR).
2. COORDINATE ALL DIMENSIONS WITH ARCHITECTURAL DRAWINGS
3. DETAILS ARE CONSIDERED TYPICAL FOR ALL SIMILAR CONDITIONS APPLICABLE.
4. FOUNDATIONS SHALL BEAR ON UNDISTURBED, VIRGIN, INORGANIC SOIL WITH AN ALLOWABLE BEARING CAPACITY OF AT LEAST 2000 PSF.
- IF UNSUITABLE MATERIAL IS FOUND AT OR BELOW THE FOOTING BEARING LEVEL, THE CONTRACTOR SHALL REMOVE ALL SUCH MATERIAL AND REPLACE WITH COMPACTED STRUCTURAL FILL.
5. CONCRETE WORK AND REINFORCING STEEL SHALL COMPLY WITH "THE BUILDING CODE FOR REINFORCED CONCRETE" (ACI 318).
6. CONCRETE SHALL BE 4000 PSI AT 28 DAYS, 3/4" AGGREGATE, 4" MAX SLUMP.
7. REINFORCING STEEL SHALL BE ASTM A615 GRADE 60 FOR BARS AND ASTM A185 FOR WIRE MESH. USE FLAT SHEETS ONLY. PROVIDE 24" MIN LAP SPlice, 2" CLEAR.
8. PROVIDE REINFORCING STEEL FOR ALL CONDITIONS SIMILAR TO THOSE DETAILED.
9. ANCHOR BOLTS SHALL BE ASTM F1554 GRADE 55.
10. PROVIDE 3/4" NON-SHRINK, 5000 PSI GROUT UNDER ALL STEEL BEARING PLATES.
11. STRUCTURAL STEEL SHALL CONFORM TO "SPECIFICATION FOR DESIGN, FABRICATION, AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS (AISC S335).
12. STRUCTURAL STEEL SHALL BE ASTM A36 FOR PLATES AND SHAPES AND ASTM A501 Fy=36 KSI FOR ROUND TUBES.
13. BOLTS SHALL BE ASTM A325 HIGH STRENGTH BEARING BOLTS.
14. WELDING SHALL CONFORM TO "STRUCTURAL WELDING CODE" (AWS D1.1). PERFORMED BY CERTIFIED WELDERS, USING 1/4" MIN FILLET, E70XX.
15. FRAMED LUMBER SHALL BE SPF NO. 2 GRADE, 19%MC.
16. WOOD "I" JOISTS ARE BY TRUS JOIST OR EQUAL WITH LVL FLANGES AND OSB WEBS PROVIDE METAL CROSS BRIDGING "TB27" AT MIDSPAN OF JOISTS.
17. LAMINATED VENEER LUMBER SHALL BE Fb=2900 PSI, E=1900 KSI. ADD TRIPLE WAIL STUDS UNDER LVL BEAM ENDS, DOWN TO FOUNDATION.
18. PLYWOOD SHALL BE APA RATED, EXPOSURE 1, T&G, 3/4" FOR FLOORS, 5/8" FOR ROOF, AND 1/2" FOR WALLS.
19. METAL CONNECTORS SHALL BE BY SIMPSON STRONG TIE CO. OR EQUAL, GALVANIZED, SIZED FOR THE MEMBERS JOINED. REFER TO MANUFACTURERS SPECIFICATIONS FOR FASTENERS. PROVIDE CONNECTORS AT ALL JOIST TO BEAM, BEAM TO BEAM, BEAM TO COLUMN, AND COLUMN TO FOUNDATION CONNECTIONS.
20. DESIGN LIVE LOADS ARE PER THE MSBC 780 CMR:
FIRST FLOOR PUBLIC AREAS: 100 PSF
SECOND FLOOR AREAS: 50 PSF
ROOF (SNOW): 32 PSF
WIND: ZONE 3, EXPOSURE C, 100 MPH.
21. TEMPORARY SHORING AND FOUNDATION UNDERPINNING:
THE CONTRACTOR SHALL PROVIDE FOR ALL TEMPORARY SHORING REQUIRED TO SAFELY SHORE AND BRACE EXISTING STRUCTURE DURING THE INSTALLATION OF THE NEW WORK. FOUNDATION UNDERPINNING SHALL AS REQUIRED BASED ON EXISTING CONDITIONS RELATIVE TO NEW EXCAVATIONS.
WORK SHALL BE DONE IN ACCORDANCE WITH THE DRAWINGS WITH SHORING AND BRACING PROVIDED BY THE CONTRACTOR TO MAINTAIN STABILITY.



S-2.0

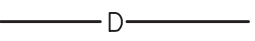
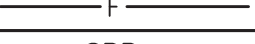



SPRINKLER GENERAL NOTES	
<div>1. DRAWINGS ARE DIAGRAMMATIC IN NATURE. THEY ARE NOT INTENDED TO BE ABSOLUTELY PRECISE; THEY ARE NOT INTENDED TO SPECIFY OR TO SHOW EVERY OFFSET, FITTING AND COMPONENT. THE PURPOSE OF THE DRAWINGS IS TO INDICATE A SYSTEM CONCEPT, THE MAIN COMPONENTS OF THE SYSTEMS AND THE APPROXIMATE GEOMETRIC RELATIONSHIPS. BASED UPON THE SYSTEMS CONCEPT, THE MAIN COMPONENTS, AND THE APPROXIMATE GEOMETRIC RELATIONSHIPS, PROVIDE ALL OTHER COMPONENTS AND MATERIALS NECESSARY TO MAKE THE SYSTEMS FULLY COMPLETE AND OPERATIONAL.</div> <div>2. MAKE REASONABLE AND NECESSARY MODIFICATIONS IN LAYOUTS AND COMPONENTS NEEDED TO PREVENT CONFLICT WITH WORK OF OTHER TRADES AND TO COORDINATE IN ACCORDANCE WITH SPECIFICATIONS</div> <div>3. MAINTAIN MAXIMUM HEADROOM AT ALL LOCATIONS. ALL PIPING TO BE AS TIGHT TO UNDERSIDE OF DECK AS POSSIBLE. ALL EXPOSED PIPING SHALL BE APPROVED BY ENGINEER AND SHALL MAINTAIN REQUIRED CLEARANCES.</div> <div>4. SYSTEMS SHALL RUN IN A RECTILINEAR FASHION.</div> <div>5. MAINTAIN COMPLETE AND SEPERATE SET OF INSTALLATION DRAWINGS ON SITE AT ALL TIMES. RECORD WORK COMPLETED AND ALL MODIFICATIONS CLEARLY AND ACCURATELY.</div> <div>6. ALL SYSTEM COMPONENTS SHALL BE UL-LISTED IN ACCORDANCE WITH NFPA REQUIREMENT, AND SHALL BE INSTALLED IN ACCORDANCE WITH LISTING REQUIREMENTS.</div> <div>7. THREADED ROD SHALL NOT BE FORMED OR BENT. ALL BOWED, BENT OR OTHERWISE DEFORMED THREADED ROD SHALL BE REPLACED WITH NEW.</div> <div>8. PROVIDE SUPERVISION AT ALL VALVES.</div> <div>9. PROVIDE SIGNAGE AT ALL CONTROL VALVES, DRAIN VALVES AND TEST CONNECTIONS INDICATING VALVE FUNCTION AND PORTION OF SYSTEM CONTROLLED.</div> <div>10. PROVIDE FIREPROOF THROUGH PENETRATION ASSEMBLIES AT ALL PENETRATIONS OF SMOKE AND/OR FIRE RATED FLOORS AND WALLS IN ACCORDANCE WITH BUILDING CODE AND SPECIFICATION REQUIREMENTS</div> <div>11. SPRINKLERS SHALL BE PROVIDED THROUGHOUT.</div> <div>12. PROVIDE ADDITIONAL SPRINKLERS BEYOND CODE REQUIRED MINIMUMS TO PROVIDE SYMMETRICAL LAYOUTS.</div> <div>13. ALL UPRIGHT SPRINKLERS SHALL BE INSTALLED IN WITH 1" RISER NIPPLES.</div> <div>14. ALL PIPING SHALL BE ARRANGED TO DRAIN BACK TO CONTROL VALVE ASSEMBLY. WHERE PIPING CANNOT DRAIN BACK TO CONTROL VALVE ASSEMBLY, PROVIDE ADDITIONAL DRAIN CONNECTIONS IN ACCORDANCE WITH NFPA 13 REQUIREMENTS.</div> <div>15. ALL FIRE DEPARTMENT VALVES SHALL BE 2½" PRESSURE REDUCING TYPE, WITH 1½" REDUCER CAP AND CHAIN</div>	




MASSACHUSETTS THREE TIER PROCESS	
<div>THIS PROJECT SHALL BE DESIGNED AND CONSTRUCTED UNDER THE THREE TIER SYSTEM, PER THE MASSACHUSETTS BUILDING CODE, 780 CMR, CHAPTER 9.</div> <div>A. TIER ONE, CONSTRUCTION DOCUMENTS<div>1. PRIOR TO ISSUANCE OF A BUILDING PERMIT, CONSTRUCTION DOCUMENTS FOR THE FIRE PROTECTION SYSTEM MUST BE SUBMITTED AND A BUILDING PERMIT OBTAINED PRIOR TO THE INSTALLATION OF FIRE PROTECTION SYSTEMS OR MODIFICATIONS, ALTERATIONS, ADDITIONS OR DELETIONS TO AN EXISTING FIRE PROTECTION SYSTEM.</div><div>2. THE CONSTRUCTION DOCUMENTS SHALL CONTAIN CONFORM TO ALL REQUIREMENTS LISTED IN THE BUILDING CODE.</div></div> <div>B. TIER TWO, SHOP DRAWINGS<div>1. PRIOR TO INSTALLATION OF FIRE PROTECTION SYSTEMS, SHOP DRAWINGS AND HYDRAULIC CALCULATIONS SHALL BE PREPARED BY THE CONTRACTOR.</div><div>2. DRAWINGS AND HYDRAULIC CALCULATIONS SHALL CONFORM TO ALL REQUIREMENTS LISTED IN THE BUILDING CODE. THE SHOP DRAWINGS AND HYDRAULIC CALCULATIONS SHALL THEN BE SUBMITTED TO THE ENGINEER OF RECORD. WHEN THE ENGINEER OF RECORD IS SATISFIED WITH THE DRAWINGS AND HYDRAULIC CALCULATIONS, THEY WILL BE SEALED.</div><div>3. THE CONTRACTOR SHALL THEN SUBMIT DRAWINGS AND HYDRAULIC CALCULATIONS TO THE BUILDING OFFICIAL AND FIRE OFFICIAL, AND OBTAIN APPROVAL.</div></div> <div>C. TIER THREE, RECORD DRAWINGS<div>1. AS BUILT PLANS SHALL BE PROVIDED TO THE BUILDING OWNER FOR ALL FIRE PROTECTION AND LIFE SAFETY SYSTEMS THAT ARE SEALED AS REVIEWED AND APPROVED BY THE ENGINEER OF RECORD, PERFORMING CONSTRUCTION CONTROL.</div><div>2. SHOP DRAWINGS SHALL BE MODIFIED AS NECESSARY, WITH ANY FIELD CHANGES IDENTIFIED BY CLOUDS ON THE DRAWINGS.</div><div>3. WHEN THE ENGINEER OF RECORD IS SATISFIED WITH THE DRAWINGS AND HYDRAULIC CALCULATIONS, THEY WILL BE SEALED. THESE COMPLETED DOCUMENTS WILL THEN BE INCORPORATED INTO THE OPERATION & MAINTENANCE MANUALS, AND DELIVERED TO THE OWNER.</div></div>	







SPRINKLER SCHEDULE							
SYMBOL	TYPE	FINISH	MAKE	MODEL	SIZE	K	REMARKS
	UPRIGHT	BRONZE	VIKING	VK145	½"	5.6	LOCATED AS INDICATED ON PLANS
	CONCEALED PENDENT	BRONZE	VIKING	VK462	½"	5.6	LOCATED AS INDICATED ON PLANS
	DRY UPRIGHT	BRONZE	VIKING	VK184	½"	5.6	LOCATED AS INDICATED ON PLANS

SPRINKLER SYSTEM DESIGN CRITERIA					
AREA DESCRIPTION	NFPA OCCUPANCY CLASSIFICATION	DESIGN DENSITY (GPM/SQ FT)	CALCUATION AREA (SQ FT)	HOSE ALLOWANCE (GPM)	MAX AREA (SQ FT)
MECHANICAL ROOMS, COMMERCIAL KITCHEN	ORDINARY HAZARD GROUP 1	.15	1500	250	130
BATHROOMS, PROGRAM ROOMS, LOBBY, OFFICES, CLOSETS, STORAGE, CORRIDORS	LIGHT HAZARD	.10	1500	250	225

FIRE PROTECTION SYSTEM INTENT	
<div>1. ALL WORK SHALL BE INSTALLED IN CONFORMANCE WITH NFPA 13.</div> <div>2. PERFORM A NEW FLOW TEST AND USE THE RESULTS WHEN PREPARING HYDRAULIC CALCULATIONS.</div> <div>3. PREPARE SHOP DRAWINGS AND HYDRAULIC CALCULATIONS AS PRESCRIBED BY NFPA 13. SHOP DRAWINGS AND HYDRAULIC CALCULATIONS SHALL BE SEALED BY AN ENGINEER REGISTERED IN MASSACHUSETTS.</div> <div>4. SHOP DRAWINGS AND HYDRAULIC CALCULATIONS SHALL BE SUBMITTED BY A STATE LICENSED CONTRACTOR AND A PERMIT OBTAINED FROM THE BOSTON FIRE DEPARTMENT PRIOR TO THE COMMENCEMENT OF WORK.</div> <div>5. PROVIDE A NEW WATER SERVICE ENTRANCE, CONNECTED TO THE SITE SYSTEM 10'-0" FROM THE BUILDING. PROVIDE A BACKFLOW PREVENTER, WET ALARM VALVE ASSEMBLY, AND A FIRE DEPARTMENT INLET CONNECTION.</div> <div>6. PROVIDE A COMPLETE WET SPRINKLER SYSTEM, IN ACCORDANCE WITH NFPA 13.</div>	

PIPE LINETYPES	
	FIRE MAIN PIPING (DRY)
	FIRE MAIN PIPING (WET)
	SPRINKLER PIPING
	SPRINKLER DRAIN PIPING
	FIRE DEP. INLET CONN.

EQUIPMENT		
MISCELLANEOUS		ALARM VALVE
		REDUCED PRESSURE ZONE ASSEMBLY
		WALL MOUNTED ELECTRIC BELL

SYMBOLS	
	UPRIGHT SPRINKLER
	DRY UPRIGHT SPRINKLER
	CONCEALED PENDENT SPRINKLER
	SIDEWALL SPRINKLER
	FIRE DEPARTMENT INLET CONNECTION
	CHECK VALVE

ABBREVIATIONS		
GENERAL	AFF	ABOVE FINISHED FLOOR
	AC	AIR CHAMBER
	AP	ACCESS PANEL
	AVB	ATMOSPHERIC VACUUM BREAKER
	BV	BALL VALVE
	BLDG	BUILDING
	CFM	CUBIC FEET PER MINUTE
	CFS	CUBIC FEET PER SECOND
	CI	CAST IRON
	CLG	CEILING
	CLDI	CEMENT LINED DUCTILE IRON
	CV	CHECK VALVE
	CP-#	HOT WATER CIRCULATING PUMP #
	CP	CHROME PLATED
	CONT	CONTINUATION
	CTE	CONNECT TO EXISTING
	DIA	DIAMETER
	DN	DOWN
	DWG	DRAWING
	EL	ELEVATION
	EPH	ELECTRIC WATER HEATER
	EQ	EQUAL
	ETBR	EXISTING TO BE REMOVED
	ETR	EXISTING TO REMAIN
	FC	FAIL CLOSED
	FFE	FINISHED FLOOR ELEVATION
	FO	FAIL OPEN
	GPD	GALLON PER DAY
	GPM	GALLON PER MINUTE
	GALV	GALVANIZED
	GWH	GAS WATER HEATER
	GV	GATE VALVE
	GC	GENERAL CONTRACTOR
	GCO	GRADE CLEANOUT
	HC	HANDICAPPED ACCESSIBLE
	HP	HORSE POWER
	HZ	HERTZ
	IN	INCHES
	IW	INDIRECT WASTE
	ID	INSIDE DIAMETER
	INV	INVERT
	MH	MANHOLE
	MFR	MANUFACTURER
	MV	MIXING VALVE
	MTD	MOUNTED
	NC	NORMALLY CLOSED
	NO	NORMALLY OPEN
	NTS	NOT TO SCALE
	NIC	NOT IN CONTRACT
	OC	ON CENTER
	OD	OUTSIDE DIAMETER OR OVERFLOW DRAIN
	OS&Y	OUTSIDE SCREW & YOKE
	PC	PLUMBING CONTRACTOR
	PP	POLYPROPYLENE
	PSI	POUNDS PER SQUARE INCH
	PH	PHRASE
	PRV	PRESSURE REDUCING VALVE
	POS	PROVIDED UNDER OTHER SECTION
	PVB	PRESSURE VACUUM BREAKER
	PVC	POLYVINYL CHLORIDE
	RPBP	REDUCED PRESSURE BACKFLOW PREVENTOR
	RCP	REINFORCED CONCRETE PIPE
	RPM	ROUNDS PER MINUTE
	SF	SQUARE FOOT
	SP	SPRINKLER PIPE
	ST.ST.	STAINLESS STEEL
	SWH	STEAM WATER HEATER
	T & P	TEMPERATURE & PRESSURE RELIEF VALVE
	TP	TRAP PRIMER

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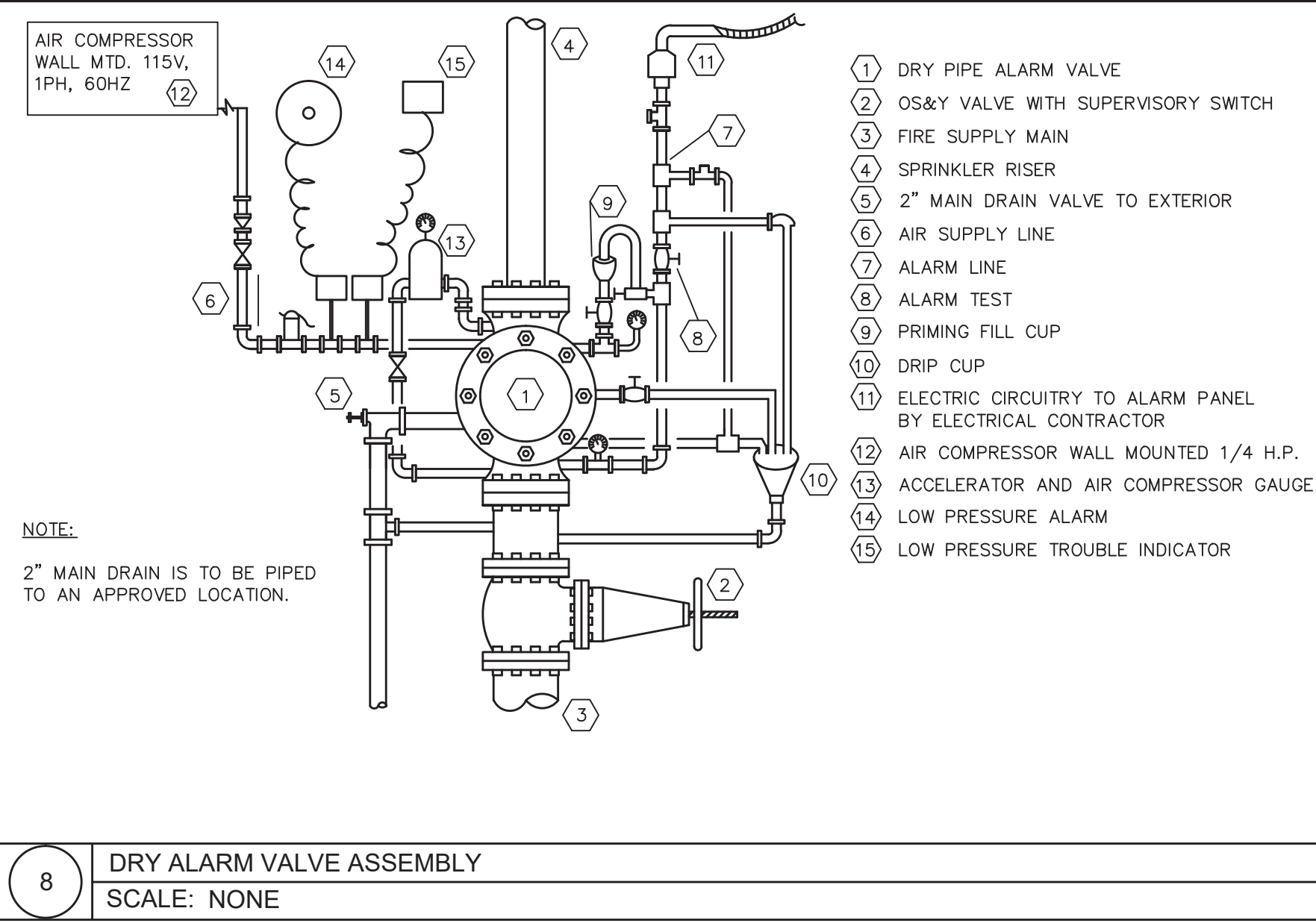
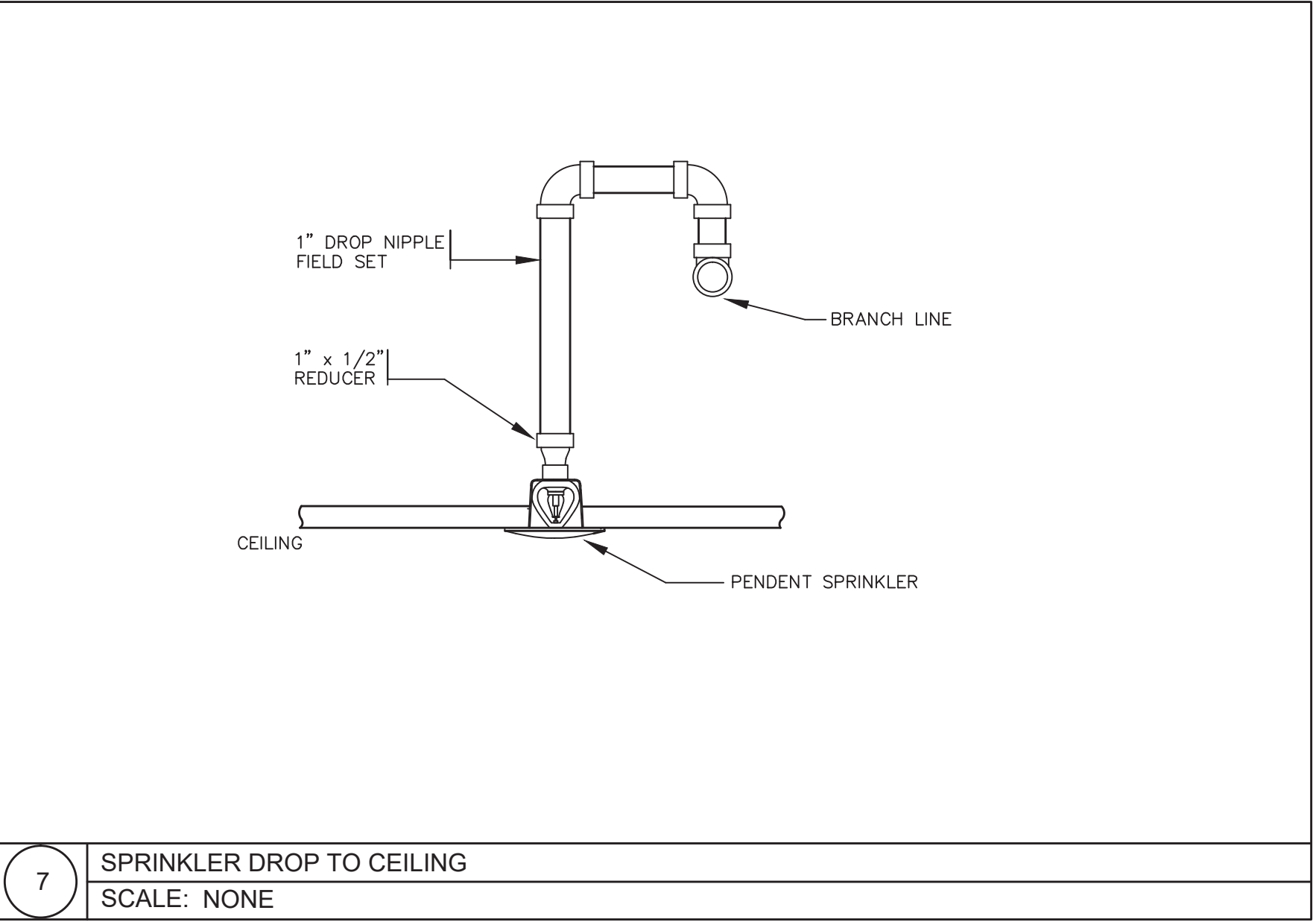
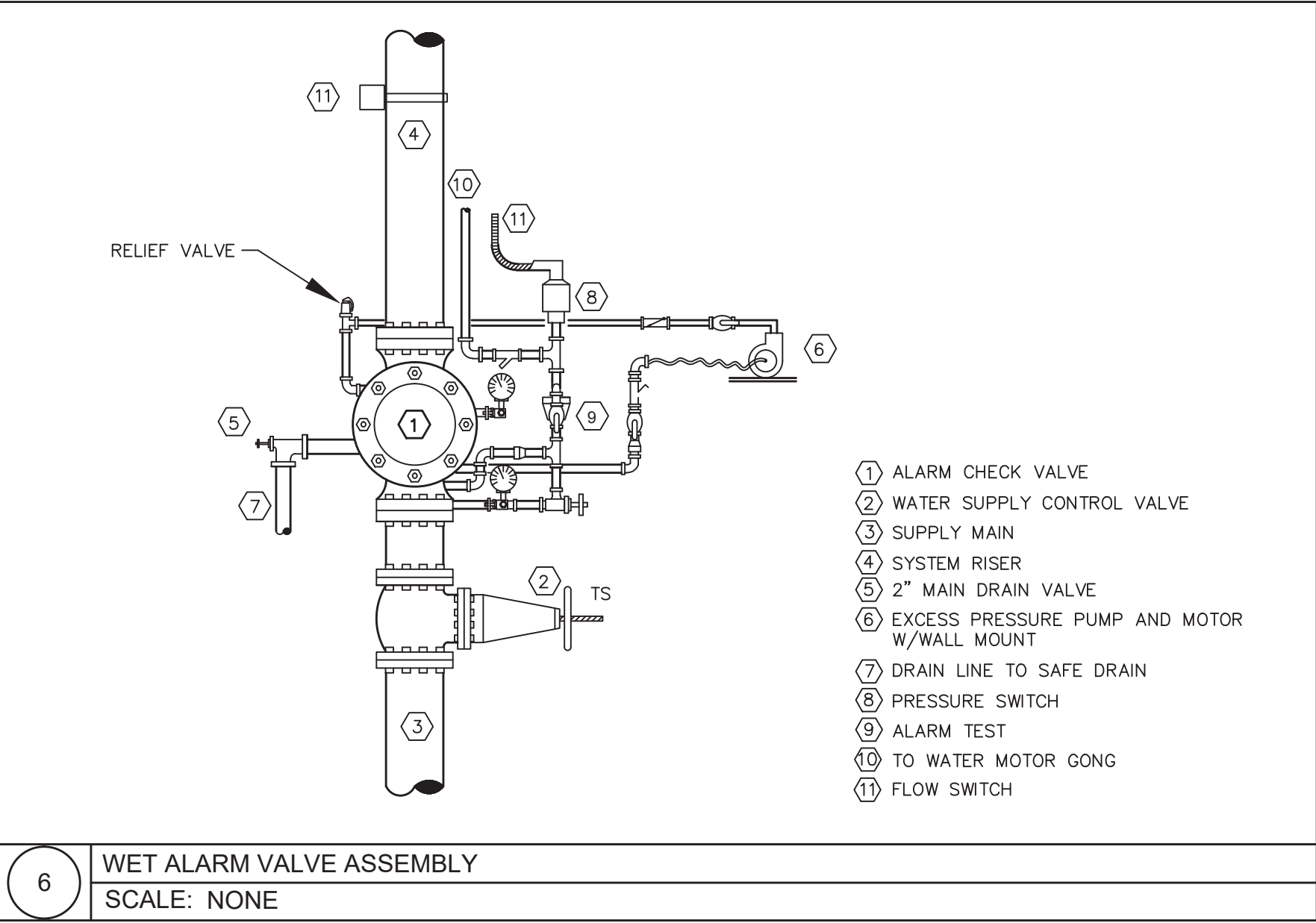
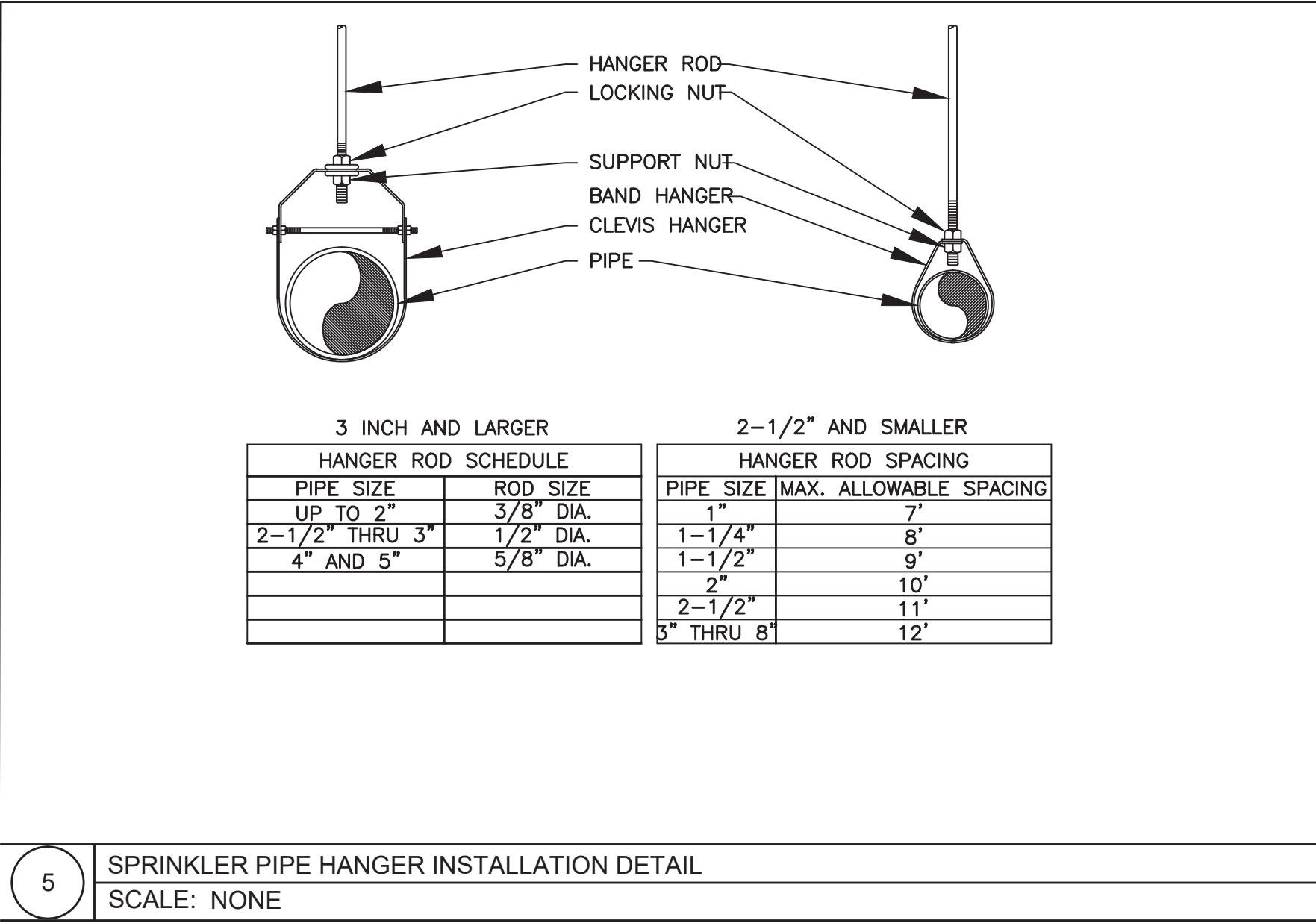
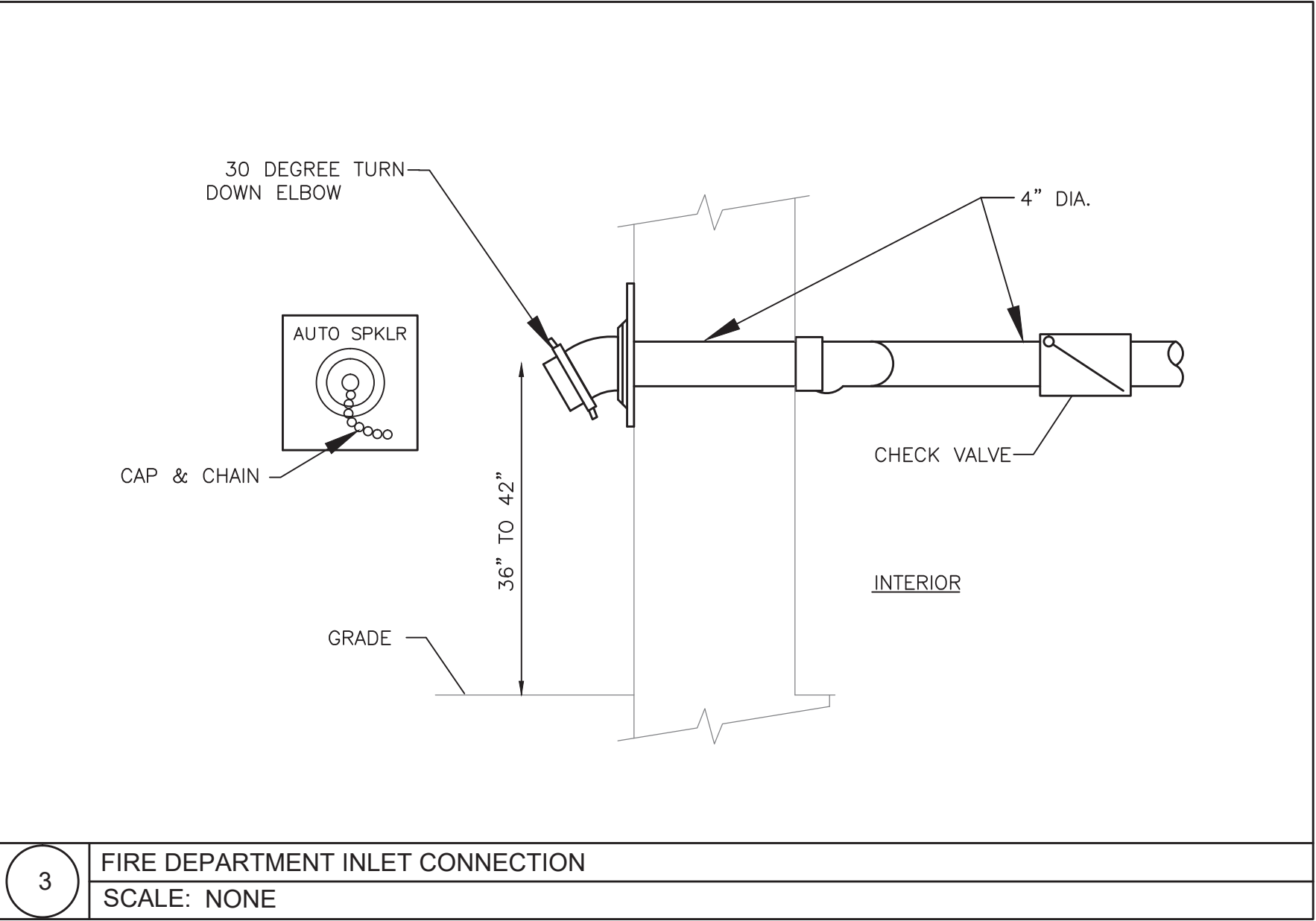
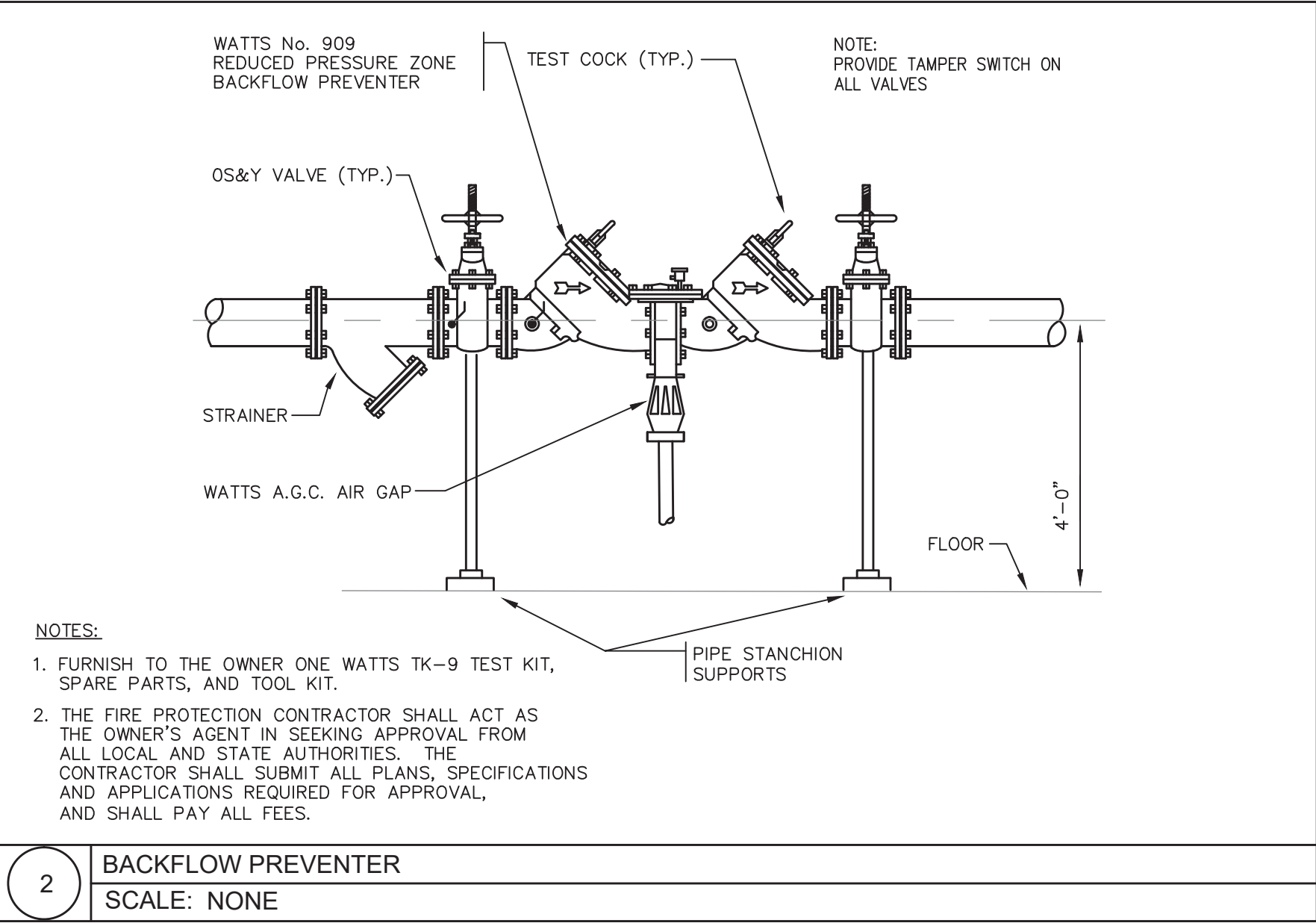
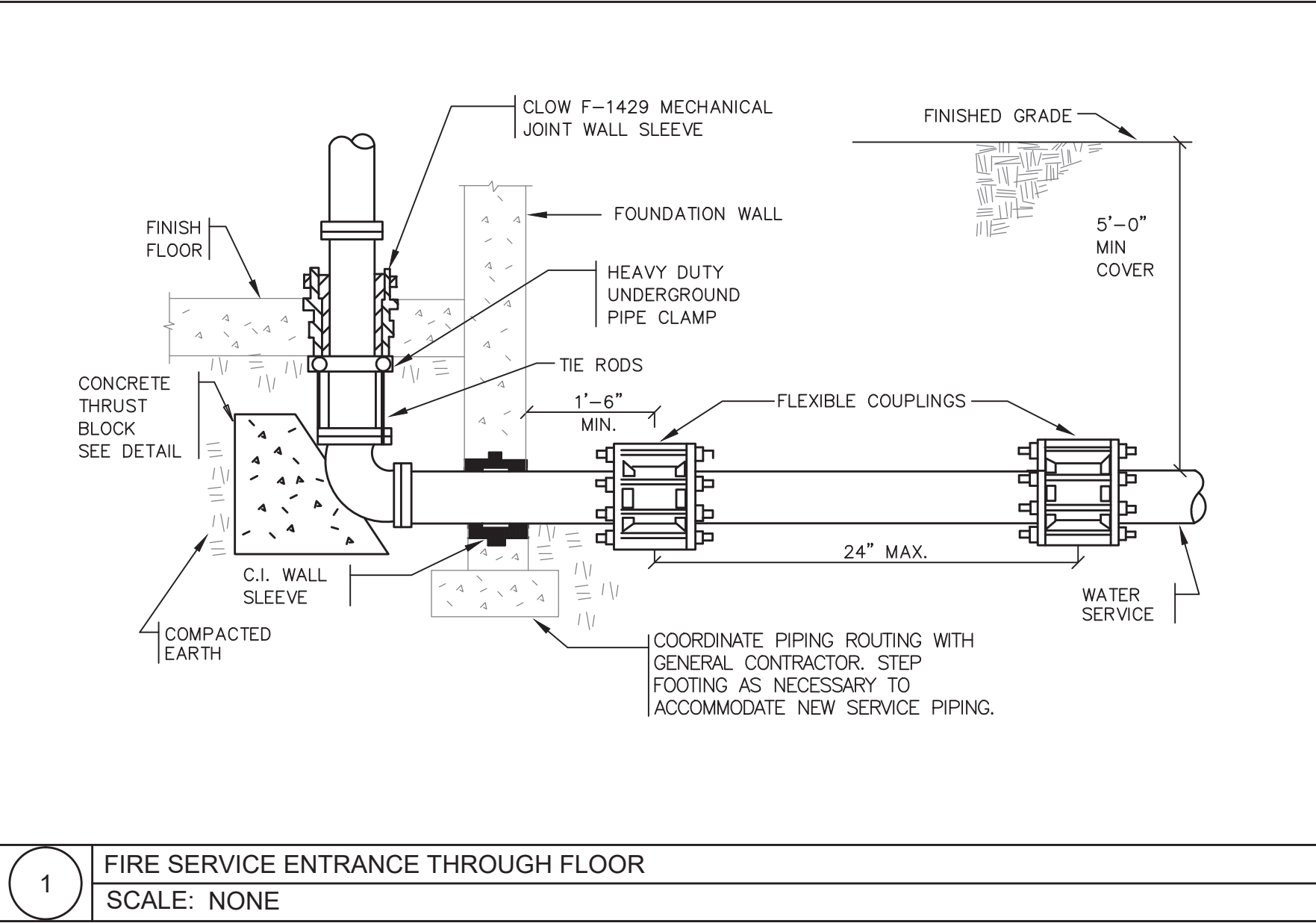
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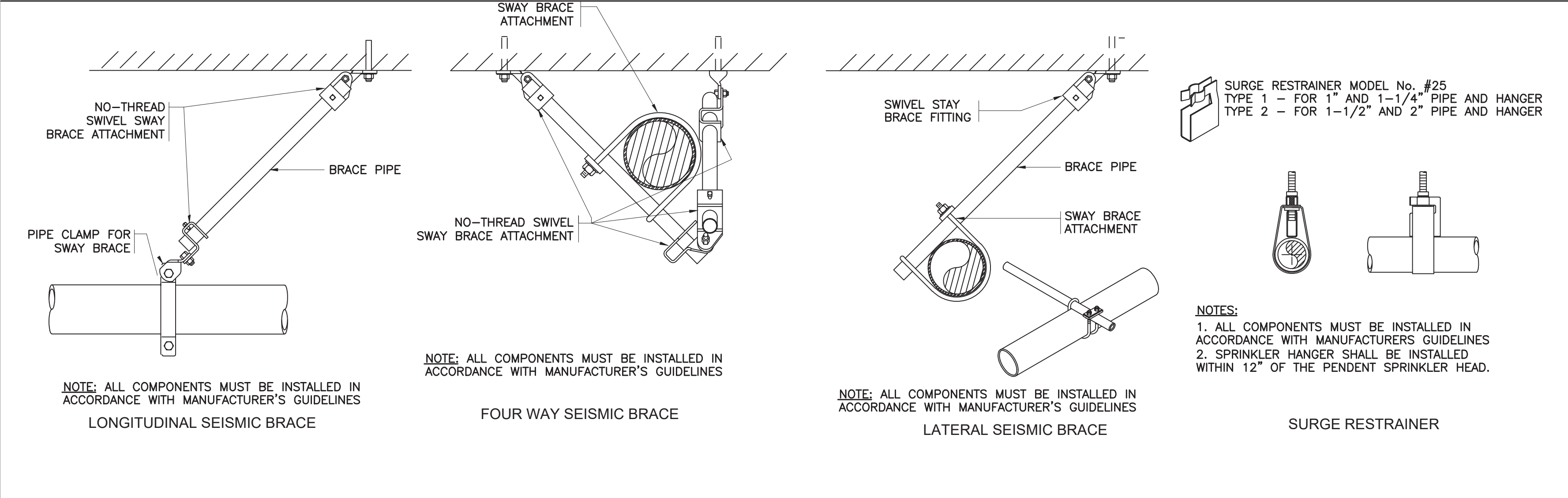
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1 SEISMIC RESTRAINT DETAILS
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FP-003

BRING NEW 6" FIRE PROTECTION SERVICE 10' OFF OF BUILDING FOUNDATION AND CONNECT TO 6" SYSTEM SUPPLY PIPING BY THE G.C. NEW 6" FIRE PROTECTION SERVICE TO CONTINUE TO WATER MAIN IN SOUTH ST. BY G.C. COORDINATE WITH AND REFER TO CIVIL PLANS FOR CONTINUATION OF PIPING.

4" FIRE DEPARTMENT CONNECTION. COORDINATE WITH ARCHITECT AND FIRE MARSHALL FOR EXACT LOCATION.

NEW WATTS LF 909 REDUCED PRESSURE ZONE ASSEMBLY

NEW WET ALARM VALVE ASSEMBLY
NEW DRY ALARM VALVE ASSEMBLY

PROVIDE A NEW FLOOR CONTROL VALVE ASSEMBLY

ROUTE NEW 2" SP DRAIN TO DAYLIGHT. COORDINATE EXACT TERMINATION WITH G.C.

2-1/2" DRY SP UP
2" SP DRAIN UP
4" SP UP

MECHANICAL

STAIR 1

HALL 001

ELEVATOR

ELEV. MECH. ROOM

FUTURE PROGRAM SPACE 10

FUTURE PROGRAM SPACE 9

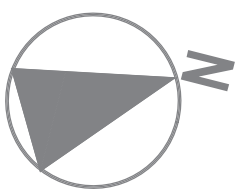
CRAWL SPACE

EXISTING CRAWL SPACE

EXISTING BASEMENT

FIRE PROTECTION BASEMENT NEW WORK PLAN

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



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BASEMENT
NEW WORK
PLAN

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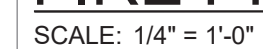
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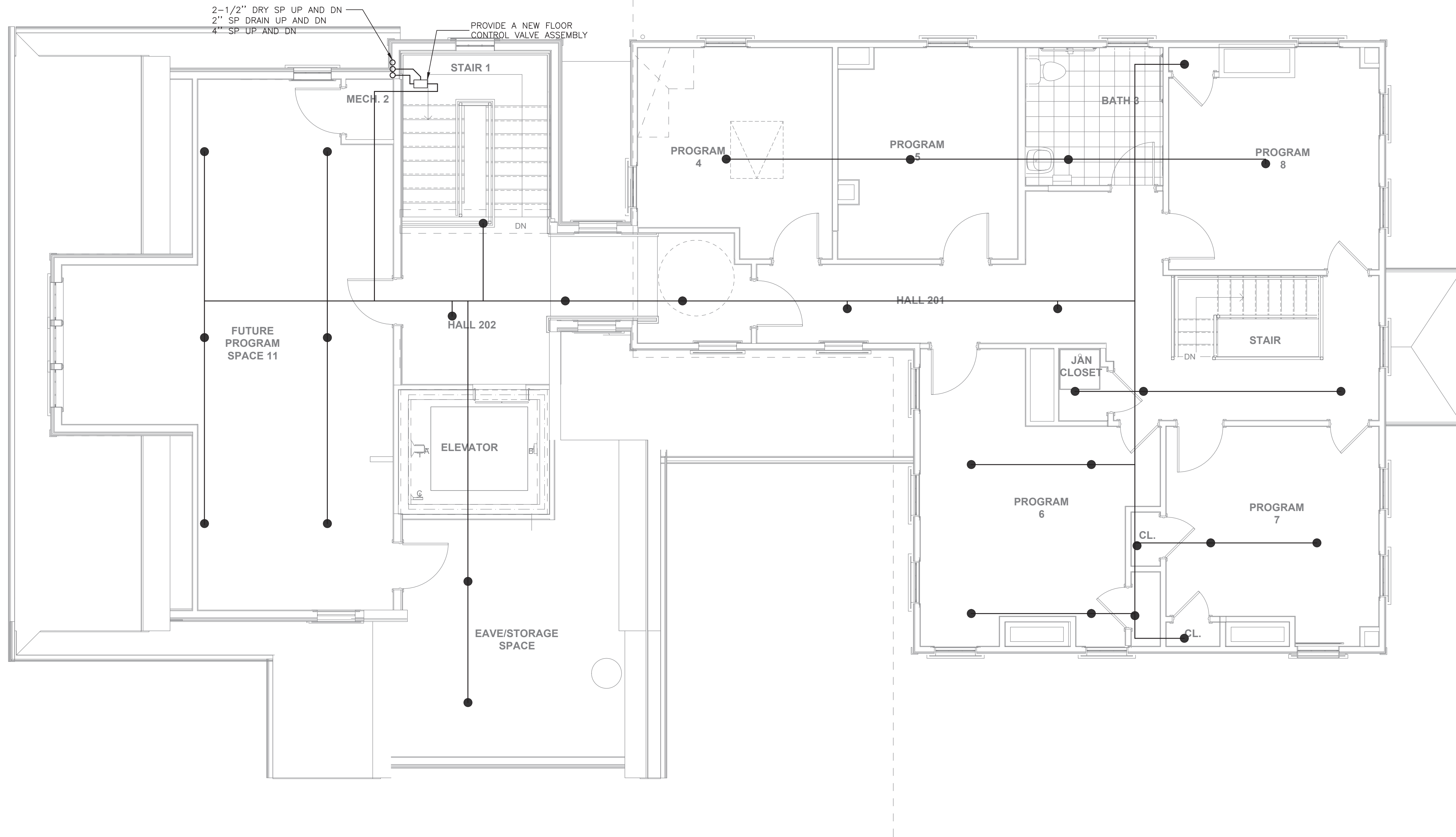


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FIRE PROTECTION SECOND FLOOR NEW WORK PLAN
SCALE: 1/4" = 1'-0"

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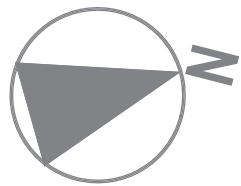
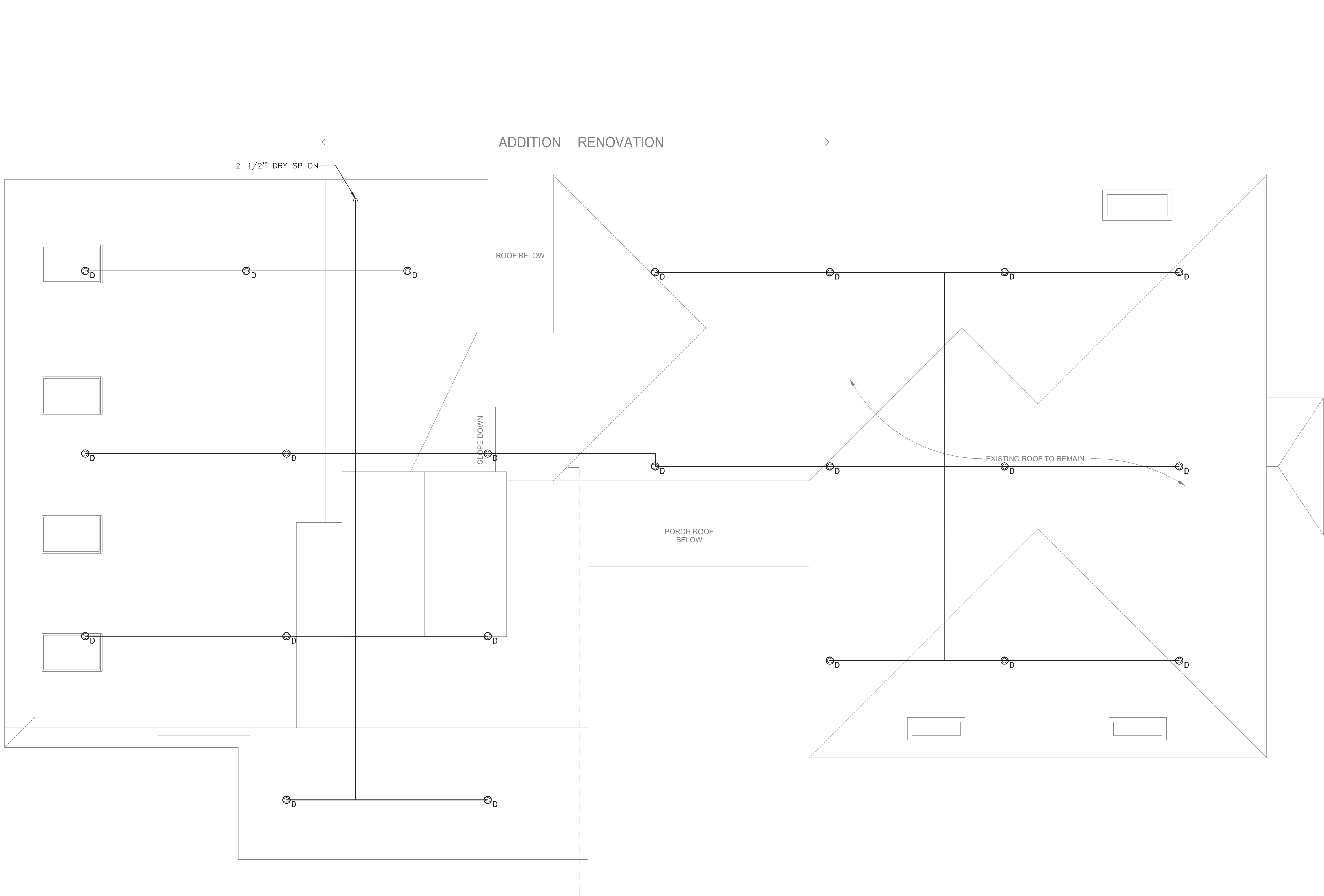
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FIRE PROTECTION ATTIC NEW WORK PLAN
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GENERAL PLUMBING NOTES

1. GENERAL NOTES, SYMBOLS LIST AND DETAILS ARE APPLICABLE TO ALL DRAWINGS MARKED P.
2. DRAWINGS ARE DIAGRAMMATIC: DETERMINE LOCATIONS OF SYSTEMS AND COMPONENTS IN FIELD.
3. DIMENSIONS SHOWN ON PLAN ARE HORIZONTAL. DIMENSIONS SHOWN IN ELEVATION ARE VERTICAL.
4. DETERMINE EXACT LOCATIONS OF EXISTING UTILITIES IN FIELD, WHETHER OR NOT SHOWN ON DRAWINGS. EXERCISE CAUTION AND IDENTIFY LOCATIONS OF UNMARKED UTILITY LINES AS NECESSARY TO PERFORM WORK OF THIS SECTION.
5. ALL PLUMBING WORK SHOWN SHALL BE IN ACCORDANCE WITH THE LATEST PLUMBING CODE AND ALL APPLICABLE LOCAL CODES.
6. IT SHALL BE THE RESPONSIBILITY OF THIS CONTRACTOR TO COORDINATE THE WORK WITH THAT OF ALL OTHER TRADES, INCLUDING BUT NOT LIMITED TO, ELECTRICAL, HVAC, SPRINKLER, PLUMBING STRUCTURAL AND GENERAL ARCHITECTURE.
7. ANY INTERFERENCE SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE, AND SHALL BE RESOLVED PRIOR TO THE INSTALLATION OF THE WORK.
8. NO WORK SHALL BE INSTALLED IN VIOLATION OF ANY GOVERNING CODES. ANY WORK SHOWN ON THE DRAWINGS WHICH IS IN VIOLATION OF SUCH CODES SHALL BE BROUGHT TO THE ATTENTION OF THE OWMER'S REPRESENTATIVE AND SHALL BE RESOLVED PRIOR TO THE INSTALLATION OF THE WORK.
9. ALL PIPING PENETRATING CEILINGS AND WALLS SHALL BE INSTALLED WITH ESCUTCHEONS AT THE PENETRATION. ALL PIPING PENETRATING EXTERIOR WALLS AND ROOFS SHALL BE FLASHED IN AN APPROVED MANNER AND SHALL BE SEALED WEATHERTIGHT. PIPING PENETRATING FIRE RATED PARTITIONS SHALL BE PROVIDED WITH FIRE RATED SEALS AS REQUIRED BY LOCAL CODE AUTHORITY.
10. MANUFACTURERS' MODEL NUMBERS ARE SPECIFIED SOLELY TO ESTABLISH STANDARDS OF QUALITY FOR PERFORMANCE AND MATERIALS.
11. INSTALLATION SHALL ADHERE TO MANUFACTURERS' RECOMMENDATIONS.
12. PROVIDE ACCESS PANELS TO SYSTEM COMPONENTS THAT ARE CONCEALED AND REQUIRE PERIODIC SERVICE.
13. TOPS OF ALL FLOOR DRAINS SHALL BE SET FLUSH WITH FINISHED FLOOR, ALL PIPING ABOVE GRADE SHALL BE PROPERLY SUPPORTED BY THE BUILDING STRUCTURE AND SHALL NOT REST ON CEILING STRUCTURE OR COMPONENTS.
14. ALL PLUMBING EQUIPMENT, PIPING, INSULATION, ETC., INSTALLED IN HVAC PLENUM SPACES SHALL MEET CODE REQUIREMENTS FOR SMOKE AND COMBUSTIBILITY.
15. PROVIDE SHUTOFF VALVES ON ALL BRANCH PIPING AND ON ALL SUPPLIES TO INDIVIDUAL FIXTURES AND EQUIPMENT. PROVIDE BALL VALVES ON ALL WATER MAIN BRANCHES WHERE INDICATED ON DRAWINGS.
16. PROVIDE CLAMPS, OFFSETS, EXPANSION JOINTS, ANCHORS AND GUIDES AS NECESSARY TO PREVENT STRESS ON PIPING.
17. PROVIDE VENTS AT HIGH POINTS IN PIPING SYSTEMS AND DRAIN VALVES AT LOW POINTS.
18. PROVIDE GAUGE FITTINGS AND THERMOMETER WELLS AT HOT WATER SUPPLY AND RETURN BRANCHES AND AT PUMP INLETS AND OUTLETS.
19. PITCH PRESSURE PIPING IN DIRECTION OF FLOW.
20. VERIFY EXACT SIZES, LOCATIONS, INVERTS AND ELEVATIONS PRIOR TO RUNNING ANY PIPING. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS OF ALL FIXTURES AND EQUIPMENT. REFER TO KITCHEN LAYOUT DRAWING FOR EXACT LOCATION AND ROUGH-IN REQUIREMENTS OF ALL KITCHEN FIXTURES AND EQUIPMENT.
21. OBTAIN GAS PERMITS AND DEFRAY ALL COSTS INCIDENTAL TO THE GAS PIPING SYSTEM. CONTRACTORS WORK SHALL COMMENCE ON THE HOUSE SIDE OF THE UTILITY CO. METER.
22. A SUITABLE DRIP OF CONDENSATE POCKET SHALL BE INSTALLED AT THE BOTTOM OF ALL GAS RISERS.
23. ALL GAS PIPING TO COMPLY WITH LOCAL AND STATE CODES.
24. GAS PIPING AND SAFETY DEVICES SHALL CONFORM TO THE REQUIREMENTS OF NFPA 54 AND SHALL BE SUBJECT TO THE INSPECTION AND APPROVAL OF THE STATE REGULATORY BOARD.
25. PROVIDE A SUITABLE GAS COCK VALVE AT EACH BRANCH RUNOUT FROM THE MAIN RISER SERVING GAS OUTLETS AND AT EACH INDIVIDUAL GAS FIXTURE.
26. GAS PIPING SHALL BE TESTED ACCORDING TO THE STATE FUEL GAS CODE AND NATIONAL CODE PROVISIONS OF THE LOCAL PLUMBING INSPECTOR. IF INSPECTION OF THE TEST SHOWS DEFECTS, SUCH DEFECTIVE WORK AND MATERIAL SHALL BE REPLACED AND INSPECTION AND TEST SHALL BE REDONE.
27. PLUMBING CONTRACTOR IS RESPONSIBLE FOR EXTENDING ALL REGULATOR VENTS TO ATMOSPHERE. REGULATORS ARE PART OF EQUIPMENT GAS TRAIN.
28. PROVIDE PRESSURE GAUGE. COMPLETE WITH ISOLATION VALVE AND SNUBBER AT CONNECTION TO EACH PIECE OF EQUIPMENT.
29. THE TERM "DROP" SHALL REFER TO PLUMBING PIPING THAT IS DROPPING FROM THE CEILING TO PLUMBING FIXTURES OR EQUIPMENT. THE TERM "DN" SHALL REFER TO PLUMBING PIPING THAT IS PENETRATING AND CONTINUING DOWN THROUGH THE RESPECTIVE FLOOR.

PLUMBING DEMOLITION NOTES

1. ALL DEMOLITION SHALL BE PERFORMED BY A PLUMBER LICENSED IN THE COMMONWEALTH OF MASSACHUSETTS.
2. WHERE DEMOLITION OCCURS, ITEMS OF EQUIPMENT, PIPING, INSULATION, HANGERS AND ALL APPURTENANCES SHALL BE REMOVED BACK TO RESPECTIVE MAINS AND PIPING SHALL BE CAPPED OR PLUGGED.
3. ALL DEMOLISHED MATERIAL SHALL BE DISPOSED OF IN CONTAINERS PROVIDED BY THE GENERAL CONTRACTOR.
4. DEMOLISH ALL EXISTING PLUMBING FIXTURES AND ASSOCIATED TRAPS, INSULATION, HANGERS, ESCUTCHEONS, ETC.
5. REFER TO SPECIFICATIONS FOR ADDITIONAL DEMOLITION REQUIREMENTS.

ABBREVIATIONS

DOMESTIC WATER	CWS	CHILLED DRINKING WATER SUPPLY
	CWR	CHILLED DRINKING WATER RETURN
	CW	COLD WATER (—)
	HW	HOT WATER (—→)
	HWR	HOT WATER RETURN (—→—)
W	NPCW	NON—POTABLE COLD WATER (NP—)
	W	WATER SERVICE

INSTRUMENTS	FM	FLOW METER
	FS	FLOW SWITCH
	PI	PRESSURE INDICATOR
	RM	RESISTIVITY METER
TI	TEMPERATURE INDICATOR	

DRAINAGE	AD	AREA DRAIN
	BWV	BACK WATER VALVE
	CI	CAST IRON
	CO	CLEANOUT
	DD	DECK DRAIN
	DS	DOWN SPOUT BOOT
	FCO	FLOOR CLEANOUT
	FD	FLOOR DRAIN
	FM	FORCE MAIN
	FS	FLOOR SINK
	GV	GARAGE VENT
	GD	GARAGE DRAIN
	GCO	GRADE CLEANOUT
	GI	GREASE INTERCEPTOR
	GT	GREASE TRAP
	IW	INDIRECT WASTE
	KW	KITCHEN WASTE
	OED	OPEN END DRAIN
	OD	OVERFLOW ROOF DRAIN (SECONDARY)
	PD	PLANTER DRAIN W/ MESHSCREEN
	RW	RAINWATER
	SAN	SANITARY
	RD	ROOF DRAIN
	SS	SOIL STACK
	SSD	SUB SOIL DRAINAGE
	TD	TRENCH DRAIN
	V	VENT
	VS	VENT STACK
	WCO	WALL CLEANOUT
	W	WASTE
	WS	WASTE STACK
	W & T	WASTE & TRAP
	W & V	WASTE & VENT

* NOT ALL SYMBOLS & ABBREVIATIONS MAY BE APPLICABLE TO THIS PROJECT

ABBREVIATIONS

AFF	ABOVE FINISHED FLOOR
AC	AIR CHAMBER
AP	ACCESS PANEL
AVB	ATMOSPHERIC VACUUM BREAKER
BV	BALL VALVE
BLDG	BUILDING
CFM	CUBIC FEET PER MINUTE
CFS	CUBIC FEET PER SECOND
CI	CAST IRON
CLG	CEILING
CLDI	CEMENT LINED DUCTILE IRON
CV	CHECK VALVE
CP—#	HOT WATER CIRCULATING PUMP #
CP	CHROME PLATED
CONT	CONTINUATION
CTE	CONNECT TO EXISTING
DIA	DIAMETER
DN	DOWN
DWG	DRAWING
EL	ELEVATION
EPH	ELECTRIC WATER HEATER
EQ	EQUAL
ETBR	EXISTING TO BE REMOVED
ETR	EXISTING TO REMAIN
FC	FAIL CLOSED
FFE	FINISHED FLOOR ELEVATION
FO	FAIL OPEN
GPD	GALLON PER DAY
GPM	GALLON PER MINUTE
GALV	GALVANIZED
GWH	GAS WATER HEATER
GV	GATE VALVE
GC	GENERAL CONTRACTOR
GCO	GRADE CLEANOUT
HC	HANDICAPPED ACCESSIBLE
HP	HORSE POWER
HZ	HERTZ
IN	INCHES
IW	INDIRECT WASTE
ID	INSIDE DIAMETER
INV	INVERT
MH	MANHOLE
MFR	MANUFACTURER
MV	MIXING VALVE
MTD	MOUNTED
NC	NORMALLY CLOSED
NO	NORMALLY OPEN
NTS	NOT TO SCALE
NIC	NOT IN CONTRACT
OC	ON CENTER
OD	OUTSIDE DIAMETER OR OVERFLOW DRAIN
OS&Y	OUTSIDE SCREW & YOKE
PC	PLUMBING CONTRACTOR
PP	POLYPROPYLENE
PSI	POUNDS PER SQUARE INCH
PH	PHRASE
PRV	PRESSURE REDUCING VALVE
POS	PROVIDED UNDER OTHER SECTION
PVB	PRESSURE VACUUM BREAKER
PVC	POLYVINYL CHLORIDE
RBPB	REDUCED PRESSURE BACKFLOW PREVENTOR
RCP	REINFORCED CONCRETE PIPE
RPM	ROUNDS PER MINUTE
SF	SQUARE FOOT
ST.ST.	STAINLESS STEEL
SWH	STEAM WATER HEATER
T & P	TEMPERATURE & PRESSURE RELIEF VALVE
TP	TRAP PRIMER
VIV	VALVE IN VERTICAL
VTR	VENT THROUGH THE ROOF
WHA	WATER HAMMER ARRESTOR
WM	WATER METER
W/	WITH

PIPE LINETYPES

	PIPE (EXISTING)
	PIPE TO BE DEMOLISHED
	PIPE (ABOVE GRADE)
	PIPE (BELOW GRADE)
	COLD WATER PIPING
	HOT WATER PIPING
	HOT WATER RECIRC PIPING
	NATURAL GAS PIPING
	SANITARY PIPING
	VENT PIPING
	STORM PIPING

EQUIPMENT

MISCELLANEOUS		EMERGENCY EYEWASH
		EMERGENCY SHOWER
		RPBP OR RPZ
		CARTRIDGE FILTER
		PUMP

SYMBOLS

GENERAL		AUTO—VENT
		BLIND FLANGE
		CONNECT TO EXISTING
		CAP OR END OF PIPE
		CONCENTRIC REDUCER
		CONCENTRIC REDUCER
		CUT LINE
		DIRECTION OF FLOW
		DIRECTION OF SLOPE
		ECCENTRIC REDUCER
		ECCENTRIC REDUCER
		ECCENTRIC REDUCER
		EXPANSION JOINT
		EXPANSION JOINT
		FLEXIBLE CONNECTION
		HEAT TRACE
		HOSE BIBB
		HOSE CONNECTION (GENERIC)
		IN—LINE MIXER
		PIPE ANCHOR
		PIPE BREAK
		PIPE FITTING DOWN OR DROP
		PIPE FITTING TEE DOWN
		PIPE FITTING UP
		PIPE SLEEVE OR BEAM PENETRATION
		QUICK DISCONNECT — FEMALE
		SIGHT GLASS
		STRAINER
		UNION FITTING
		VACUUM RELIEF
		WALL HYDRANT
		WATER HAMMER ARRESTOR
		WATERPROOF SLEEVE
		Y STRAINER W/ PLUGGED BLOWDOWN
		Y STRAINER W/ VALVE

SYMBOLS

DRAINAGE		AREA DRAIN
		BACK WATER VALVE
		CLEANOUT
		FLOOR OR GRADE CLEANOUT
		FLOOR DRAIN
		PLANTER DRAIN
		P TRAP
		ROOF DRAIN (PRIMARY)
		ROOF DRAIN (OVERFLOW)
		TRENCH DRAIN

VALVES		ANGLE VALVE
		BALL VALVE
		BALANCING VALVE
		BUTTERFLY VALVE
		CHECK VALVE
		DIAPHRAGM VALVE (CLOSED)
		DIAPHRAGM VALVE (OPEN)
		FOUR WAY VALVE
		FUSIBLE LINK VALVE
		GAS COCK
		GATE VALVE (CLOSED)
		GATE VALVE (OPEN)
		KNIFE GATE VALVE
		MIXING VALVE
		NEEDLE VALVE
		NEEDLE VALVE
		OS&Y VALVE
		PINCH VALVE
		POST VALVE
		PRESSURE REDUCING VALVE
		SOLENOID VALVE
		TEMP. & PRESSURE RELIEF VALVE
		THREE WAY BALL VALVE
		THREE WAY CONTROL VALVE
		TWO WAY CONTROL VALVE
		VALVE IN THE VERTICAL

INSTRUMENTS		FLOW METER
		FLOW SWITCH
		PRESSURE INDICATOR W/BALL VALVE
		RESISTIVITY METER
		TEMP. INDICATOR W/BALL VALVE

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Sheet:

P-001

PLUMBING FIXTURES AND EQUIPMENT SCHEDULE										
TAG	DESCRIPTION	MANUFACTURER & MODEL	FITTINGS & ACESORIES	CW	HW	W	V	G	REMARKS	
BFP1	BACKFLOW PREVENTER	WATTS 009QT	AIR GAP FITTING	2"	—	—	—	—	—	
DW1	COMMERCIAL DISHWASHER	HOBART LXEH-2 UNDER COUNTER	—	—	¾"	2"	2"	—	PROVIDE BACKFLOW PREVENTER, INDIRECT WASTE RECEPTACLE.	
GT1	GREASE INTERCEPTOR	ZURN MODEL NUMBER Z-1172-1200	—	—	—	4"IN 4"OUT	—	—	PROVIDE WITH ANCHOR FLANGE.	
FD1	FLOOR DRAIN (RESTROOMS/MECH. ROOMS)	ZURN ZN-415B-P	—	½"	—	3"	2"	—	PROVIDE WITH ZURN Z-1000 TRAP.	
FD2	FLOOR DRAIN (KITCHEN)	ZURN Z1750	—	—	—	4"	2"	—	—	
HB1	HOSE BIBB	WATTS SC8-3	VACUUM BREAKER	½"	—	—	—	—	—	
L1	WALL HUNG LAVATORY	KOHLER MODEL K-12636 WALL HUNG	CHICAGO FAUCETS 895-317XKABCP	½"	½"	1½"	1½"	—	PROVIDE WITH POWERS MODEL LFG480-11 POINT OF USE MIXING VALVE.	
JS1	JANITORS SINK	FIAT TSB-300	CHICAGO FAUCETS 897-RCF	½"	½"	3"	2"	—	—	
RNG1	KITCHEN RANGE	JADE BISTRO 6 OPEN BURNERS W/ OVEN MODEL JBR-6-36	—	—	—	—	—	¾"	115V/60HZ/1PH, 210 CFH	
SK1	KITCHEN/HANDWASH SINK	ELKAY LUSTERTONE LRQ2521	CHICAGO FAUCETS 895-317GNBAE35ABCP	½"	½"	2"	2"	—	PROVIDE WITH POWERS MODEL LFG480-11 POINT OF USE MIXING VALVE.	
SK2	3 COMPARTMENT SINK	ELKAY ELUH4020	CHICAGO FAUCETS 510-GC613ALABCP	¾"	¾"	2"	2"	—	PROVIDE WITH LK99 DRAIN, LKUCLIP8 UNDERMOUNT HARDWARE, AND 2 FAUCETS. PROVIDE (6) KNOCKOUTS FOR (2) FAUCETS IN CABINET AS SHOWN ON ARCHITECTURAL PLANS. FAUCETS SHALL BE 8" CENTERS. PROVIDE AIR GAPS ON DISCHARGE FROM SINK.	
TP1	TRAP PRIMER	PRECISION PLUMBING PRODUCTS MODEL P1-500	PROVIDE DU-4/DU-U DISTRIBUTION UNIT AS NEEDED BY NUMBER OF DRAINS.	½"	—	—	—	—	—	
UR1	WALL MOUNTED URINAL	KOHLER BARDON MODEL K-4991-ET	SLOAN ROYAL 186 HEU	1"	—	2"	2"	—	PROVIDE WITH WHITE FINISH. PROVIDE WITH COMPATIBLE WALL CARRIER.	
WC1	WALL MOUNTED WATER CLOSET	KOHLER CORBELLE K-3814	K-4008 ELONGATED TOILET SEAT	½"	—	3"	2"	—	PROVIDE WITH WHITE FINISH.	
WF1	WATER FOUNTAIN	ELKAY EZS8WSLK	—	½"	—	—	—	—	—	
WH1	WALL HYDRANT	WATTS FH-1-M1	—	½"	—	—	—	—	—	
WHA1	WATER HAMMER ARRESTOR	PRECISION PLUMBING PRODUCTS MM500SWA	—	½"	½"	—	—	—	PROVIDED FOR HAND WASH SINKS AND LAVATORIES.	
WHA2	WATER HAMMER ARRESTOR	PRECISION PLUMBING PRODUCTS SWA500A	—	½"	½"	—	—	—	PROVIDE FOR 3 COMPARTMENT SINK.	
GENERAL NOTES:										
1. SUBSTITUTIONS TO THIS PLUMBING SCHEDULE SHALL BE SUBMITTED TO THE ARCHITECT FOR APPROVAL PRIOR TO PURCHASE.										
2. PROVIDE SK1 AND ALL LAVATORIES, L1, WITH POINT OF USE MIXING VALVE POWERS LFG480-10. SET TO MIX HOT WATER DOWN FROM 120°F TO 110°F.										

EXPANSION TANK SCHEDULE												
UNIT NO.	LOCATION	SERVICE	SYSTEM TEMP (°F)		SYSTEM PRESSURE(PSIG) AT TANK LOCATION		TANK PRESSURE RATING(PSI)	FLUID TYPE	TANK ACCEPTANCE VOLUME (GAL)	TANK AIR CHARGE (PSIG)	MANUFACTURER MODEL NUMBER (AS STANDARD)	REMARKS
			MIN	MAX	MIN	MAX						
ET1	UTILITY ROOM	WH1	50	160	30	175	175	WATER	6	55	AMTROL ST—12C	1,2

REMARKS:

1. FURNISH & INSTALL BY PLUMBING CONTRACTOR.
2. PROVIDE TANK WITH ASME CERTIFICATION.

INDIRECT WATER HEATER SCHEDULE																	
UNIT NO.	LOCATION	RECOVERY		BTUH	GALS.	DOMESTIC WATER		HEATING WATER IN				FLUID TYPE	ELECTRICAL DATA			MANUFACTURER MODEL NUMBER (AS STANDARD)	REMARKS
		G.P.H.	Δ TEMP			CW IN (°F)	HW OUT (°F)	MAX P.D (FT. HD)	EWI(°F)	LWT(°F)	MAX GPM		V	Ø	HZ		
WH1	UTILITY ROOM	241	100°F	200,000	67	40	140	—	140	120	15	WATER	120	1	60	TURBOMAX 65A	1,2

REMARKS:

1. FURNISH & INSTALL BY PLUMBING CONTRACTOR.
2. PROVIDE EXPANSION TANK FOR DHW SIDE.

PUMP SCHEDULE											
I.D.	TYPE	MANUFACTURER	MODEL	G.P.M.	HEAD	ELEC. CHARACTERISTICS				REMARKS	
						H.P.	VOLT	PHASE	R.P.M.		
CP1	CIRCULATOR PUMP	TACO	005	4	8 FT.	1/35	115	1	3250	1,2	

REMARKS:

1. CIRCULATOR TO SERVE DOMESTIC HOT WATER.
2. FURNISH & INSTALLED BY PLUMBING CONTRACTOR.

THERMOSTATIC MIXING VALVE SCHEDULE								
I.D.	MANUFACTURER	MODEL	MINIMUM FLOW (GPM)	CONNECTIONS		MAXIMUM OPERATING PRESSURE (PSI)	OUTPUT TEMP (°F)	REMARKS
				INLET	OUTLET			
TMV1	POWERS	LFLM492—1	0.5	1"	1"	125	118	1,2
TMV2	POWERS	LFLM492—1	0.5	1"	1"	125	140	1,3

REMARKS:

1. FURNISH & INSTALLED BY PLUMBING CONTRACTOR.
2. SERVES DHW
3. SERVES KITCHEN

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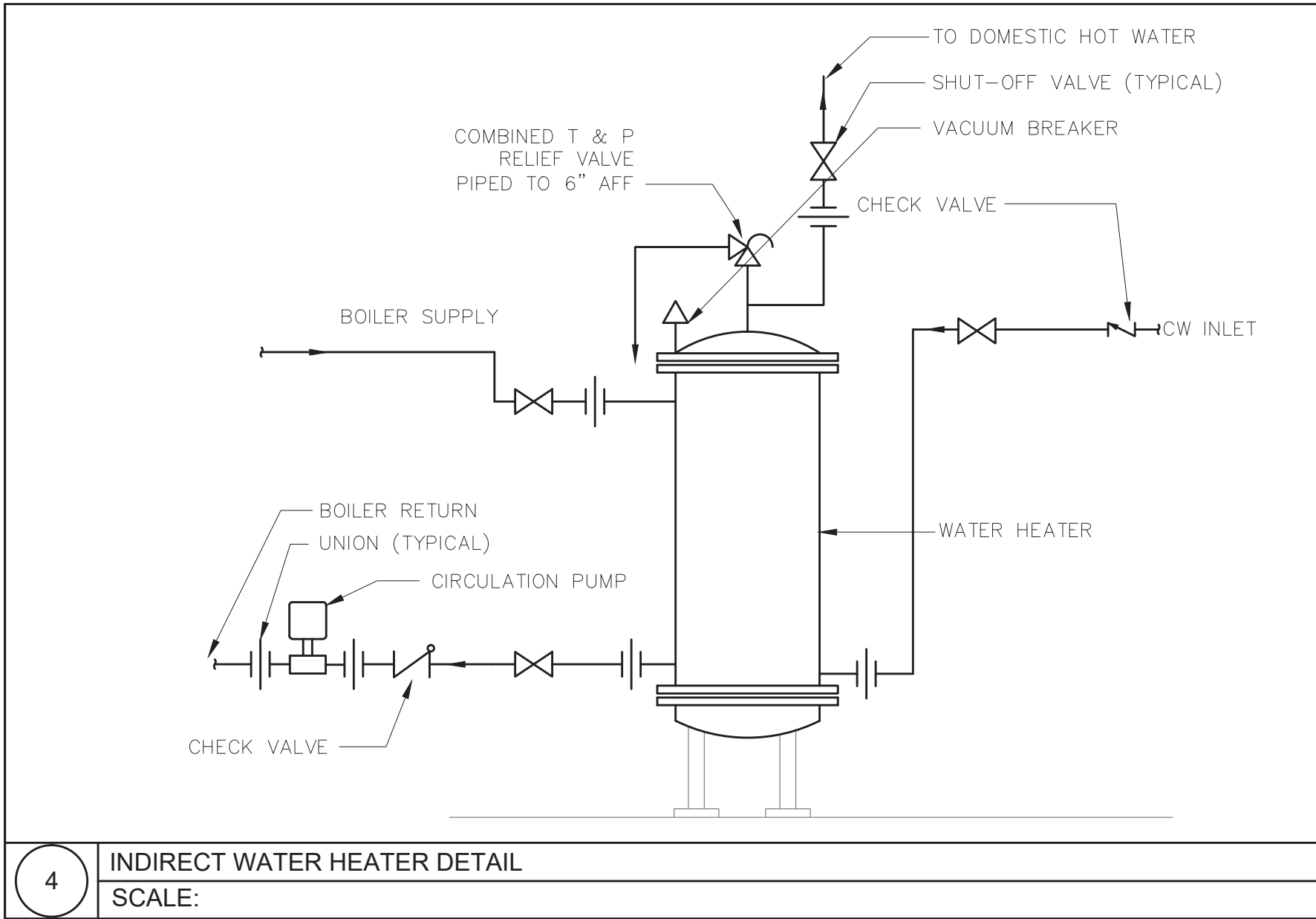
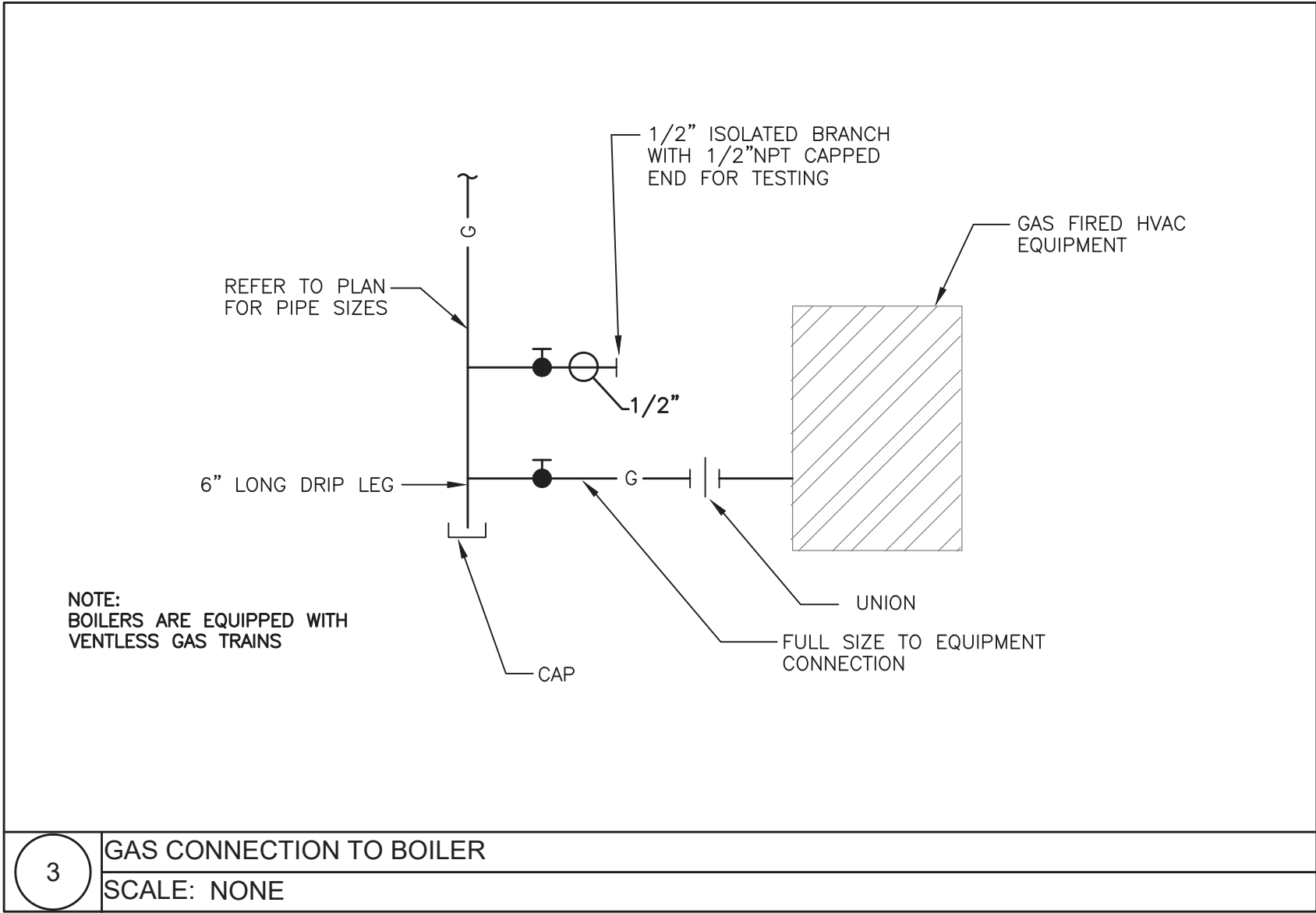
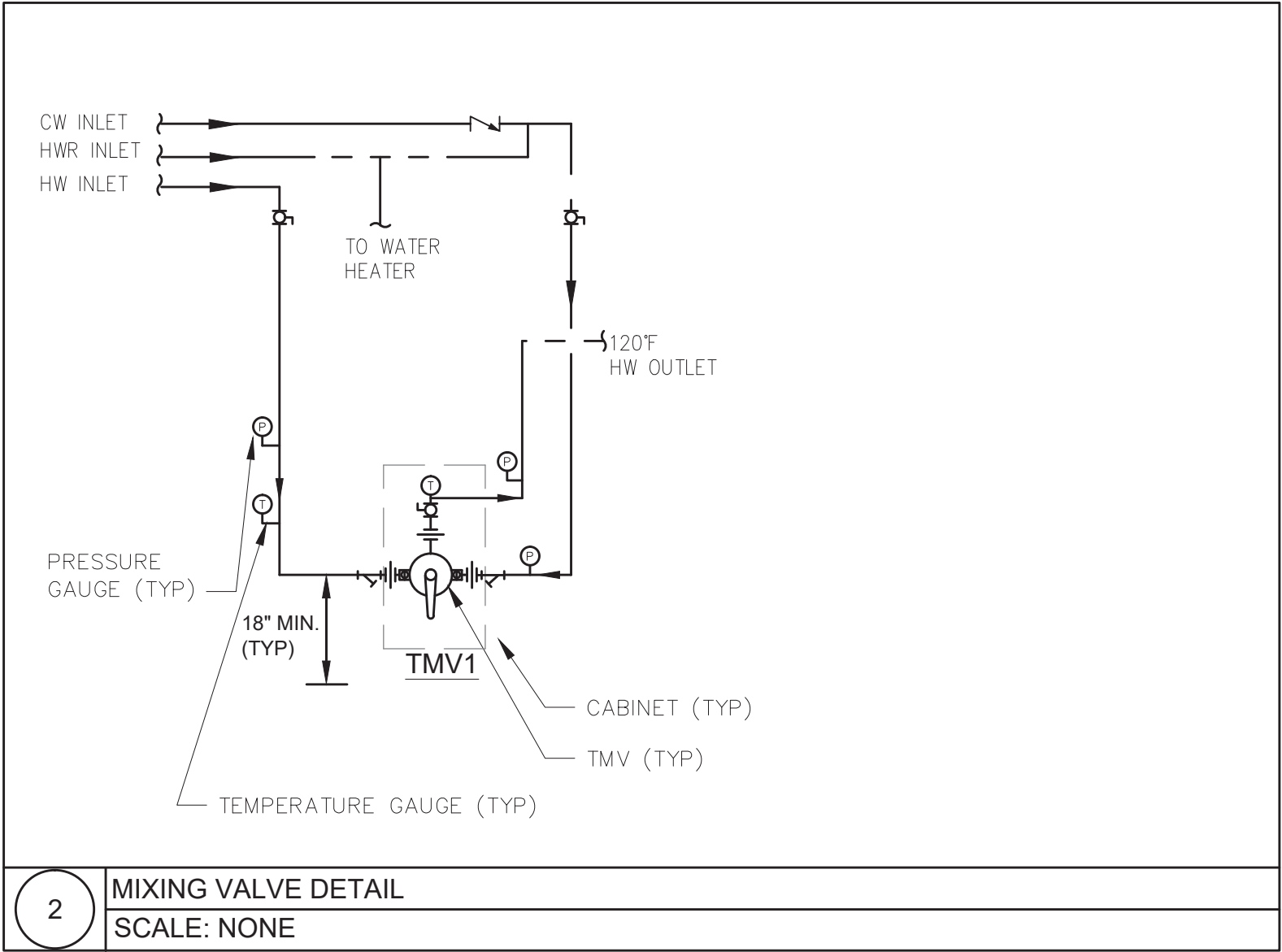
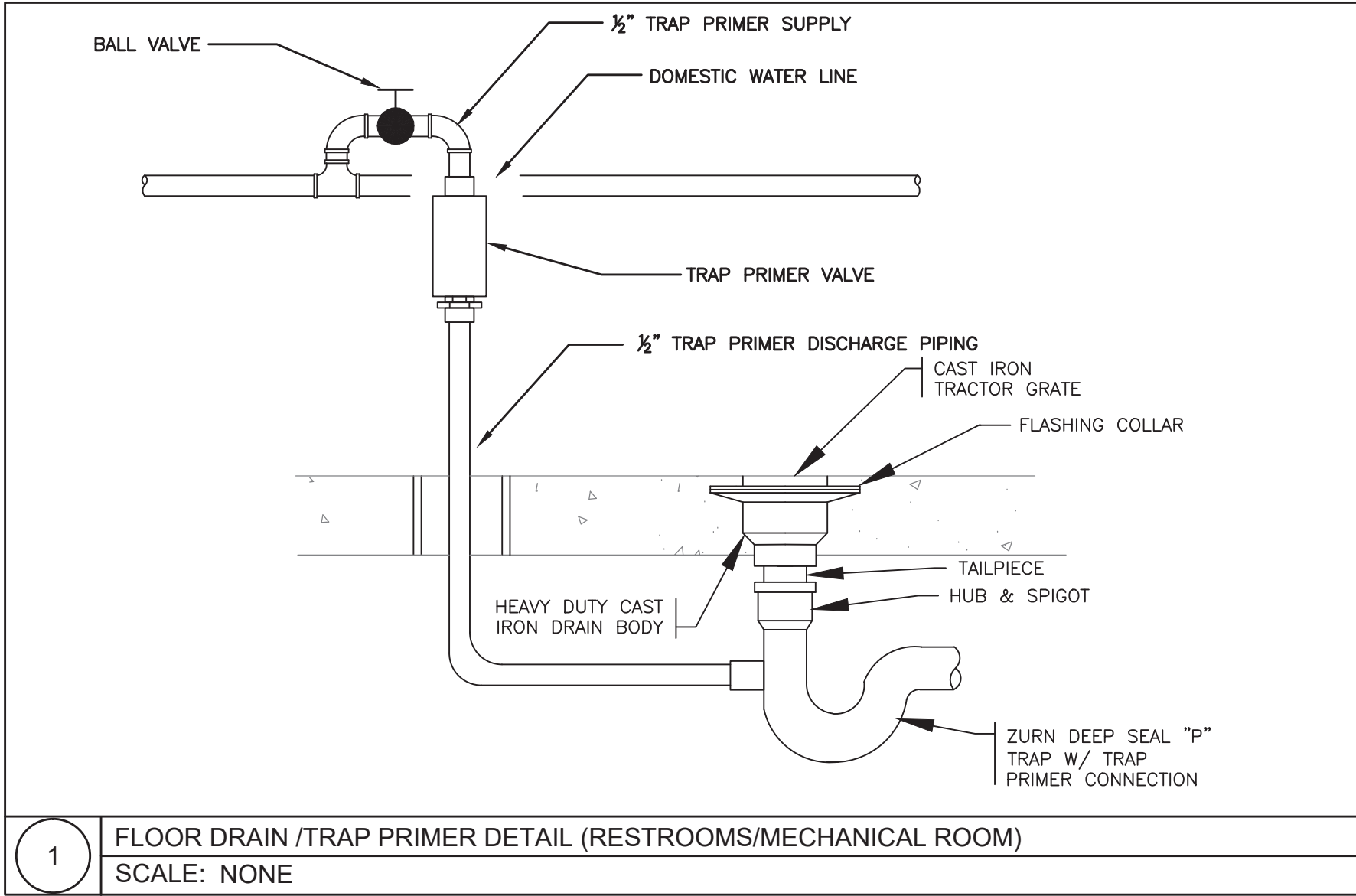
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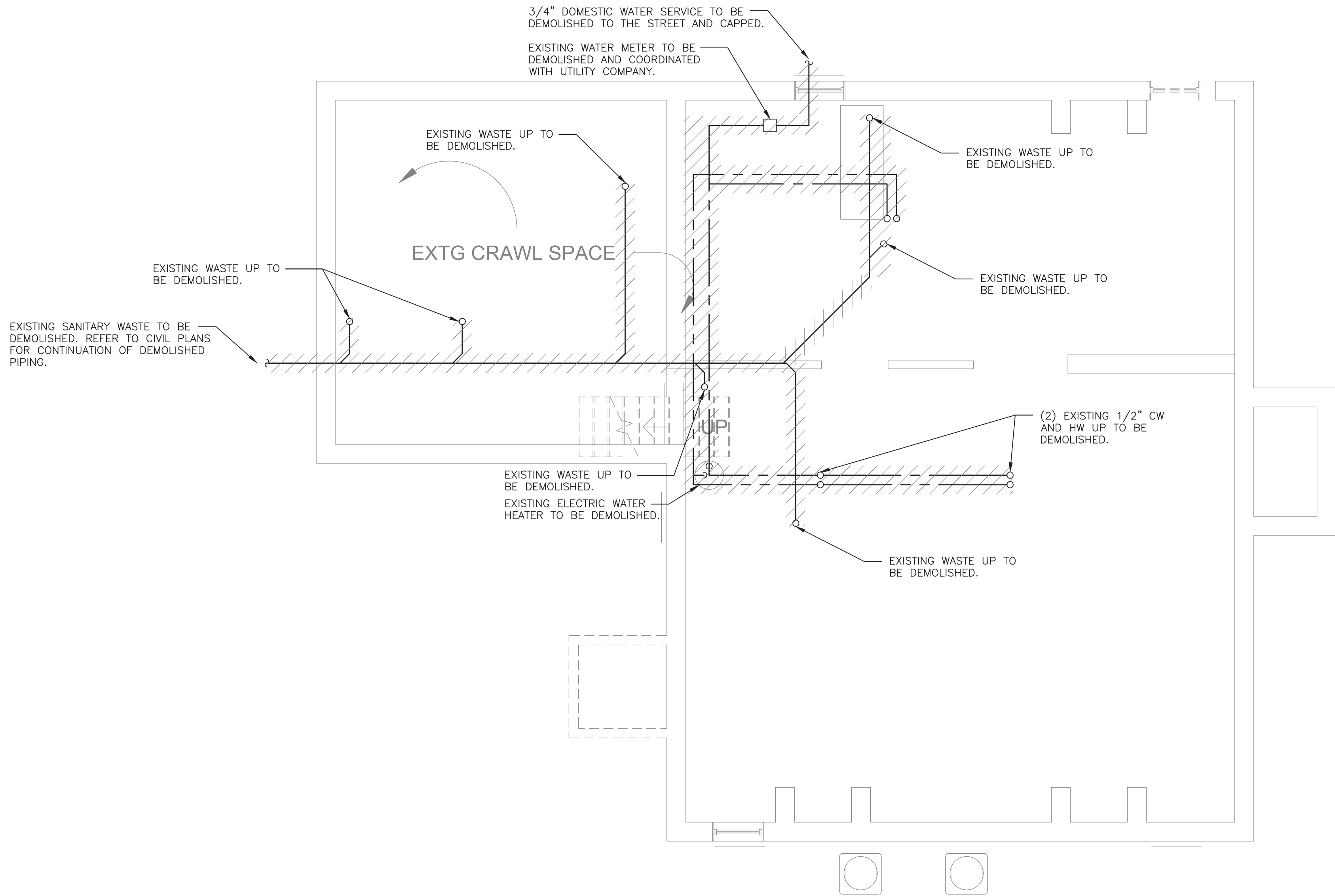
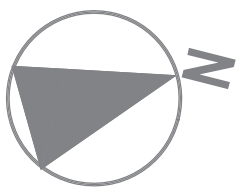
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PLUMBING BASEMENT DEMOLITION PLAN
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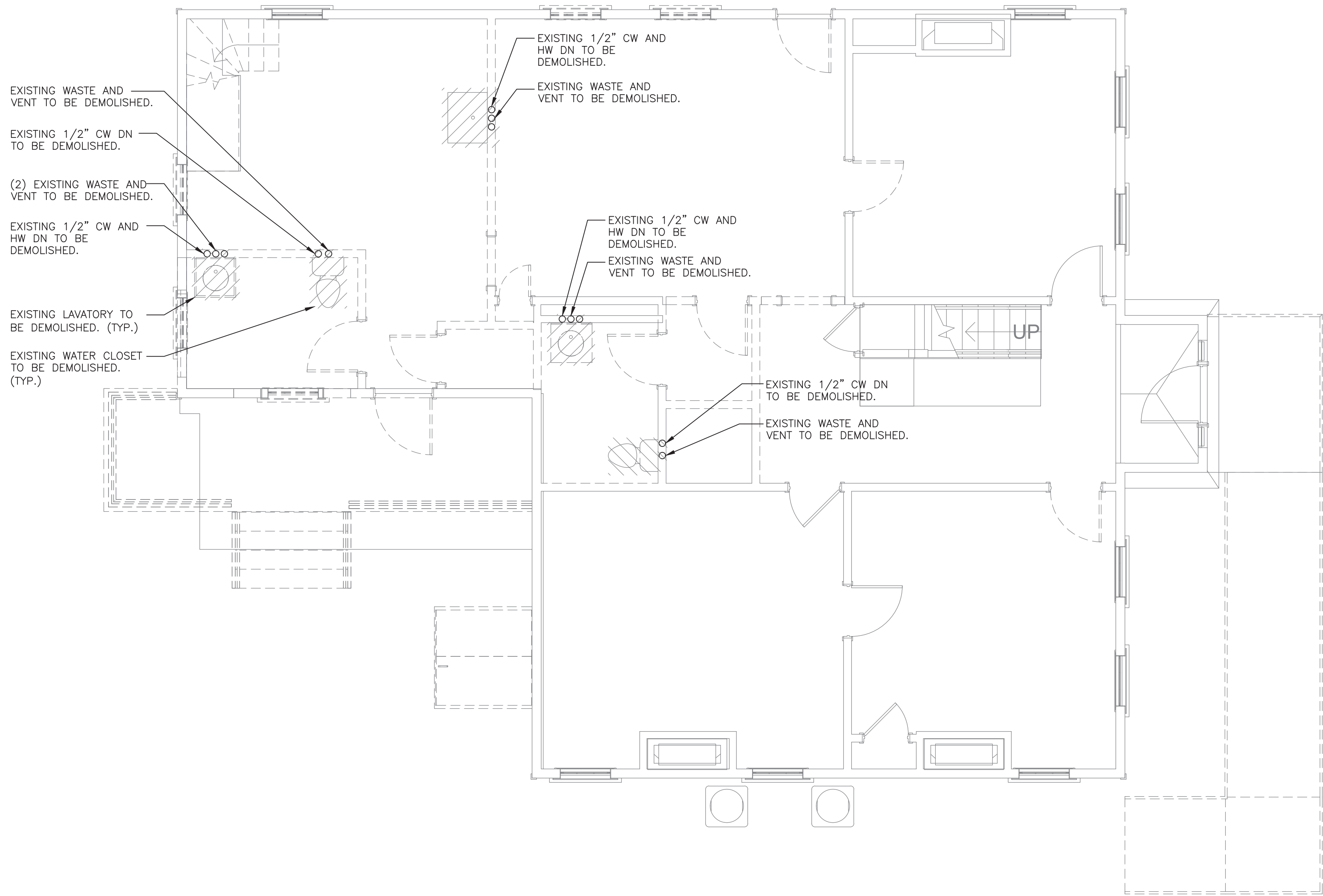
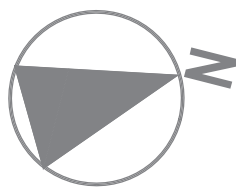
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PLUMBING FIRST FLOOR DEMOLITION PLAN
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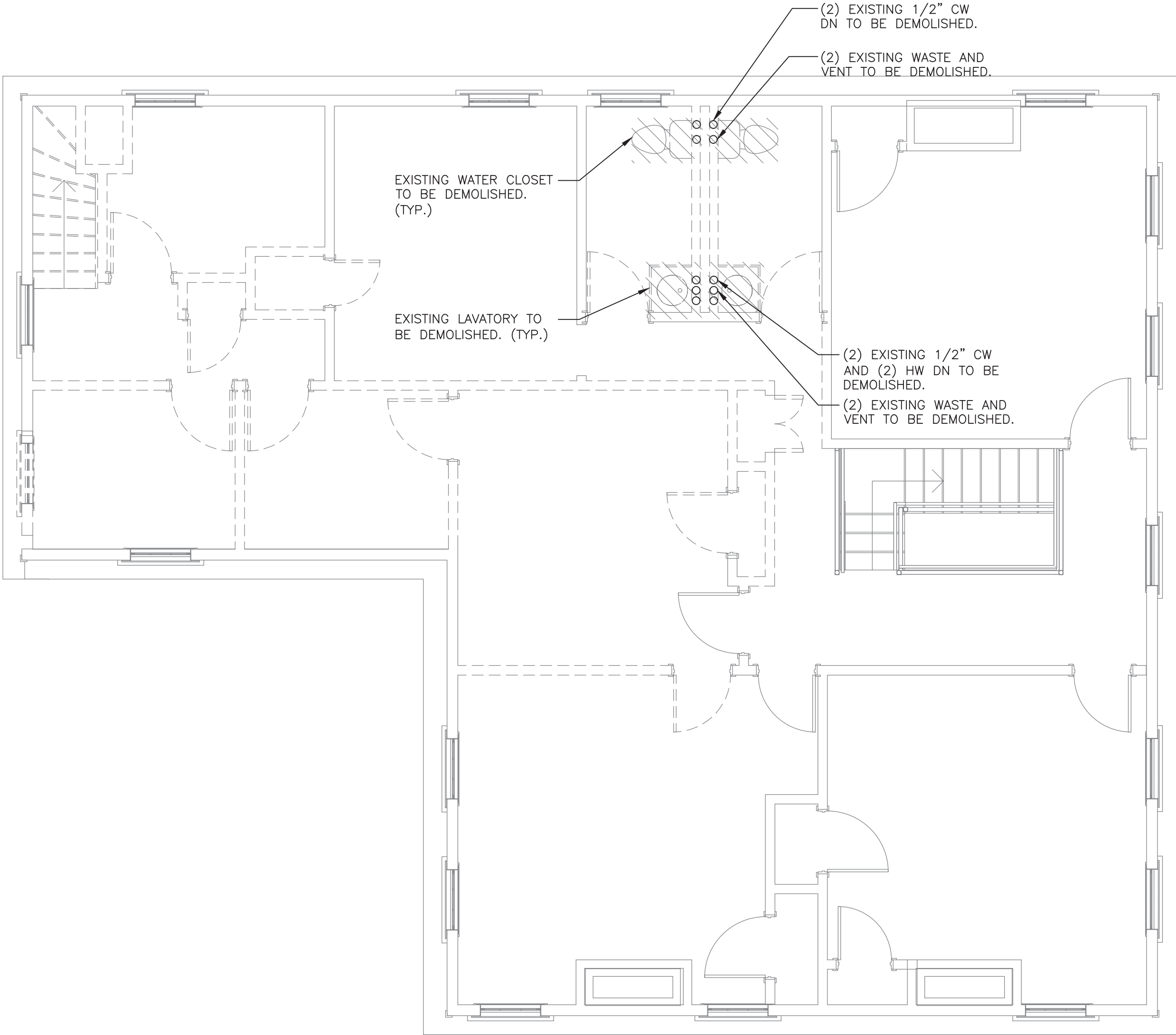
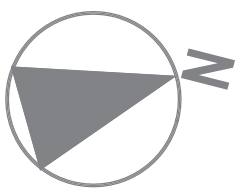
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PLUMBING SECOND FLOOR DEMOLITION PLAN
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BRING NEW 2" GAS SERVICE 10' OFF OF BUILDING FOUNDATION AND CONNECT TO 2" SYSTEM SUPPLY PIPING BY OTHERS. COORDINATE AND REFER TO CIVIL PLANS FOR CONTINUATION OF PIPING.

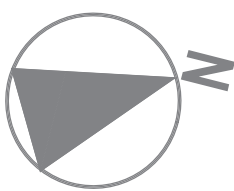
BRING NEW 2" DOMESTIC WATER SERVICE 10' OFF OF BUILDING FOUNDATION AND CONNECT TO 2" SYSTEM SUPPLY PIPING BY OTHERS. COORDINATE AND REFER TO CIVIL PLANS FOR CONTINUATION OF PIPING.

- GENERAL NOTES
1.

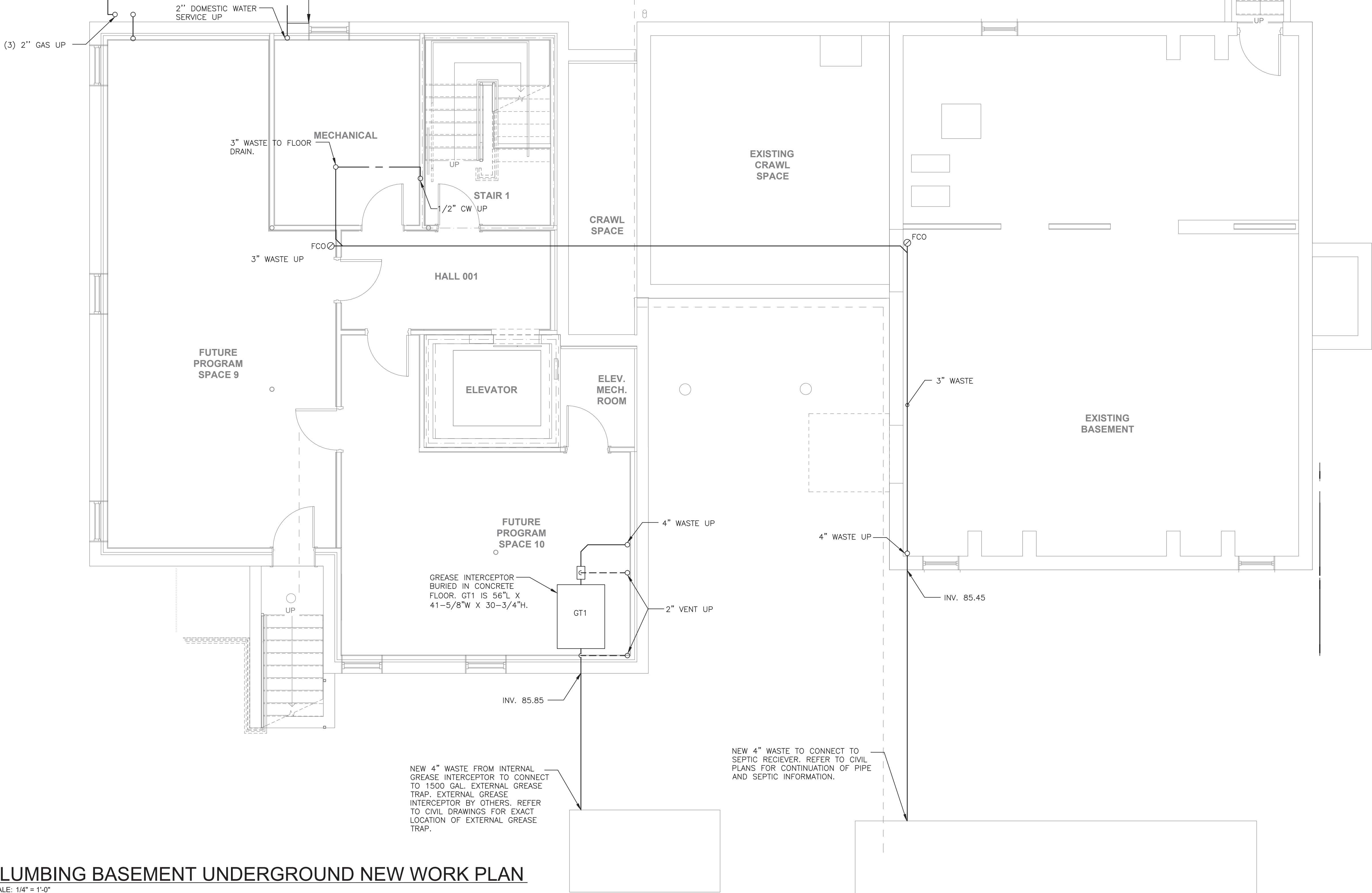
ALL UTILITIES ARE TO BE BROUGHT 10' FROM THE BUILDING FOUNDATION. PROVIDE CONNECTION TO SYSTEM SUPPLY SOURCE.
2.

ALL UNDERGROUND WASTE AND STORM PIPING 3" AND SMALLER SHALL BE PITCHED AT 1/4" PER FOOT.
3.

ALL UNDERGROUND WASTE AND STORM PIPING 4" AND LARGER SHALL BE PITCHED AT MIN 1/8" PER FOOT.



TOP OF FOUNDATION
ELEVATION = 90.09



PLUMBING BASEMENT UNDERGROUND NEW WORK PLAN

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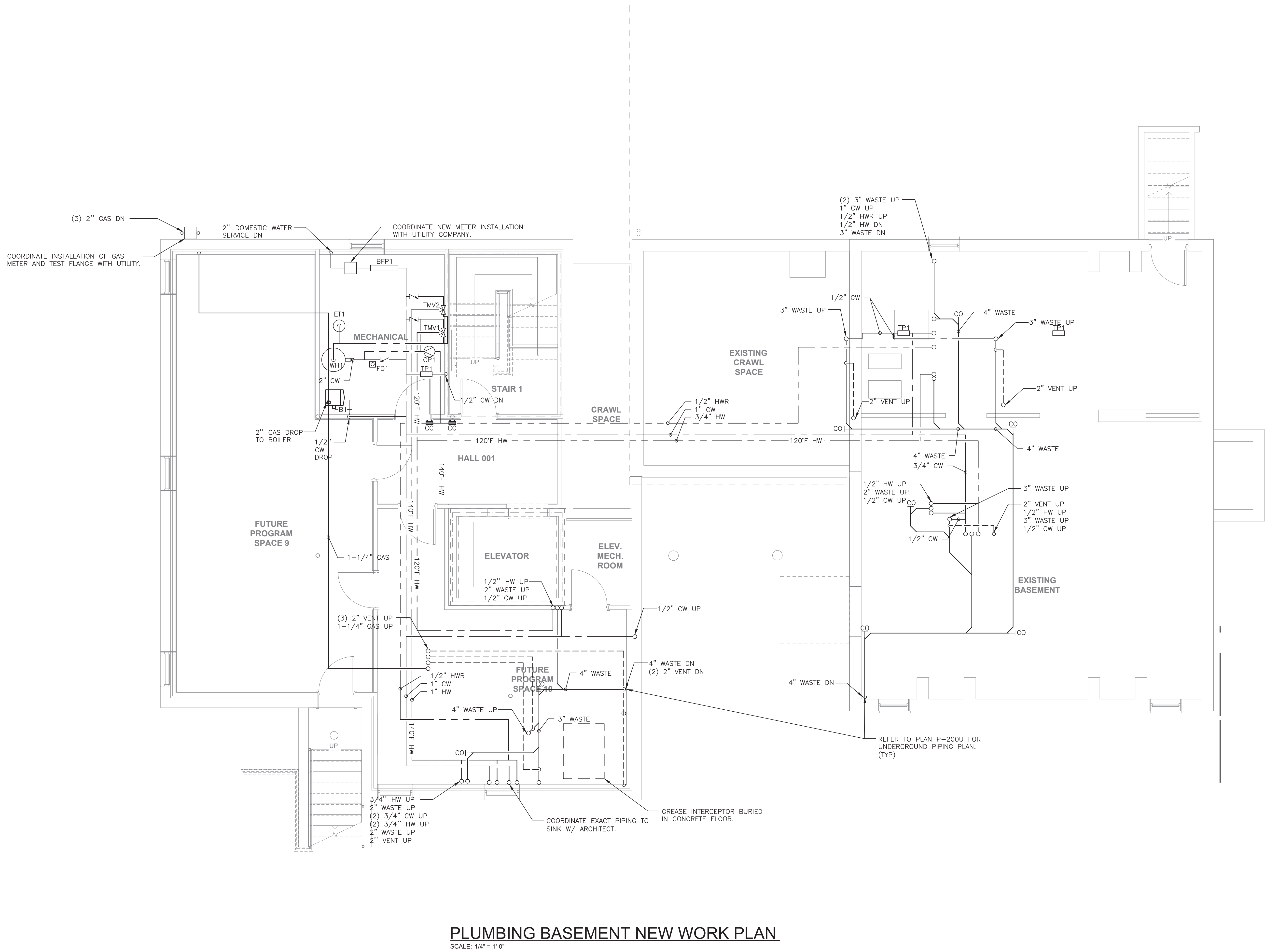
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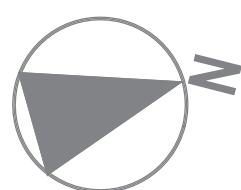
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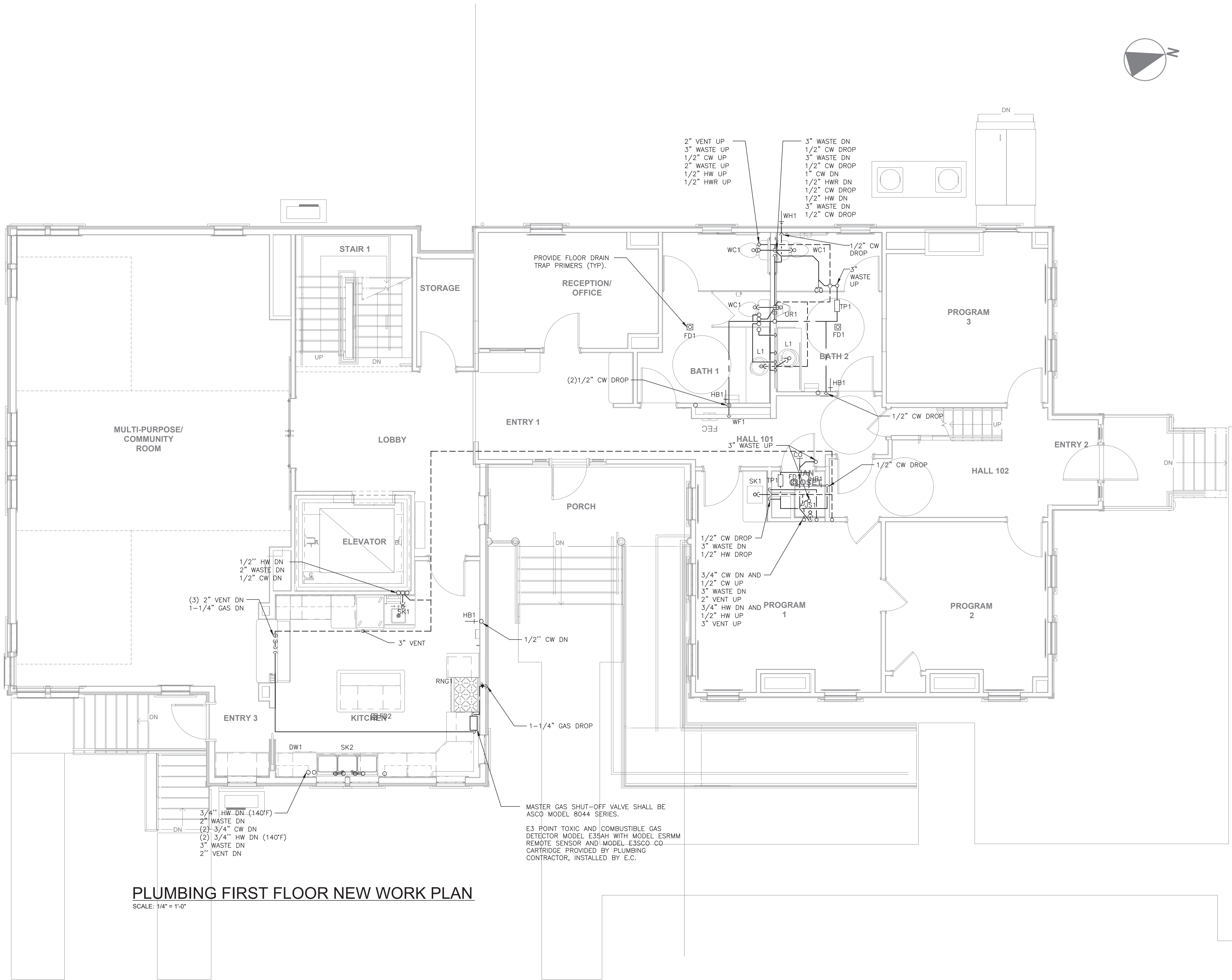
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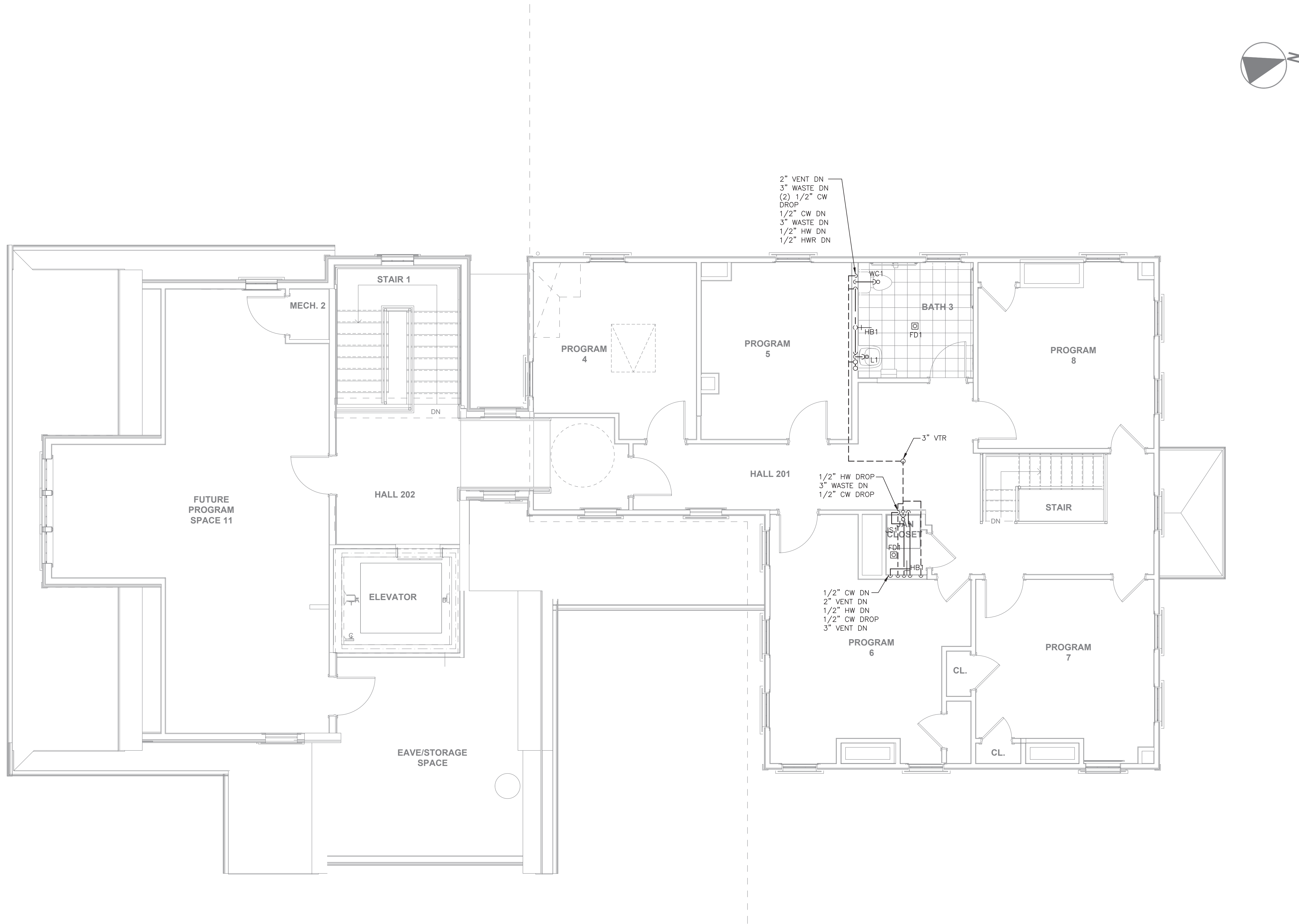
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PLUMBING SECOND FLOOR NEW WORK PLAN

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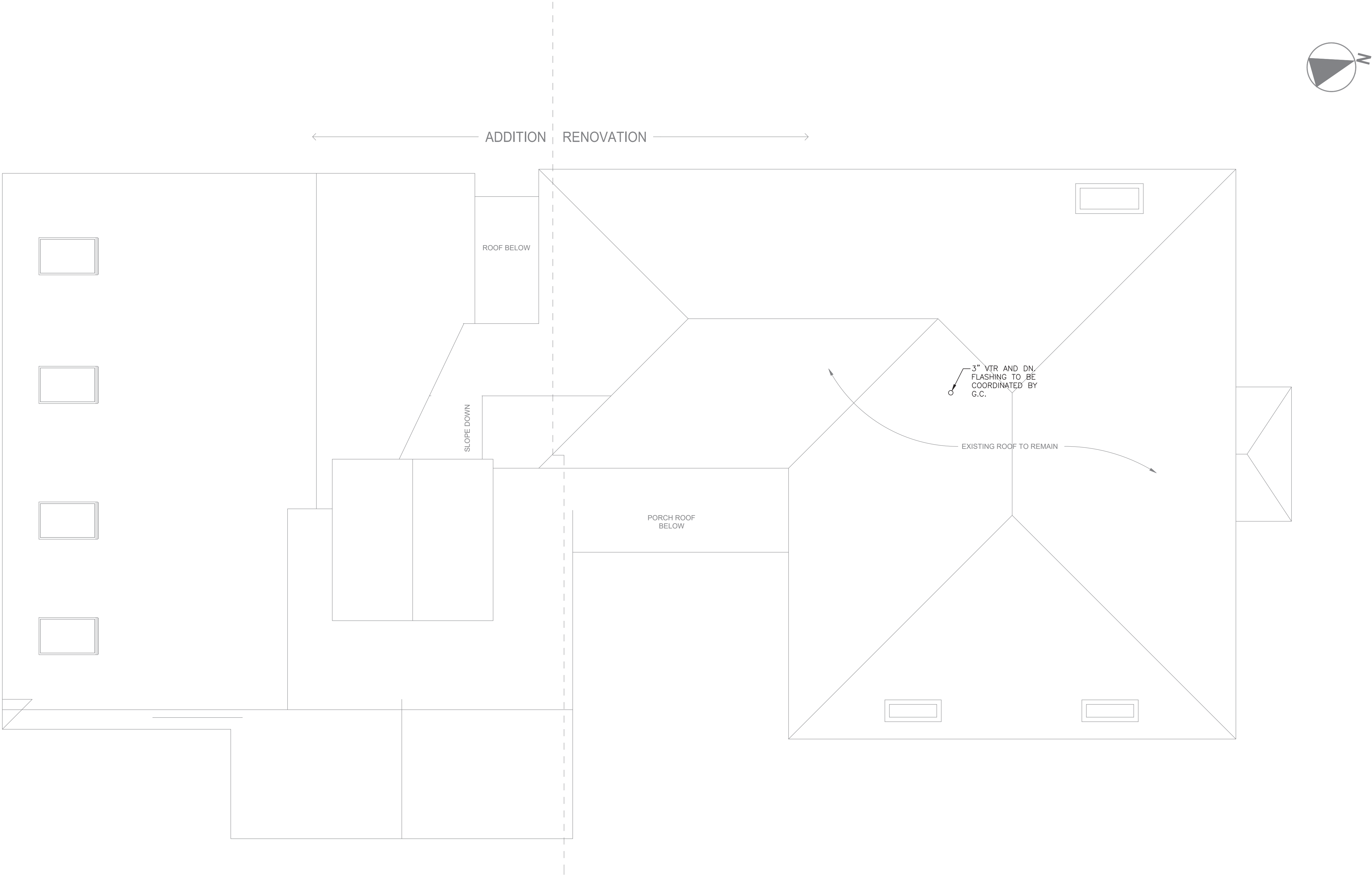
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PLUMBING ROOF NEW WORK PLAN
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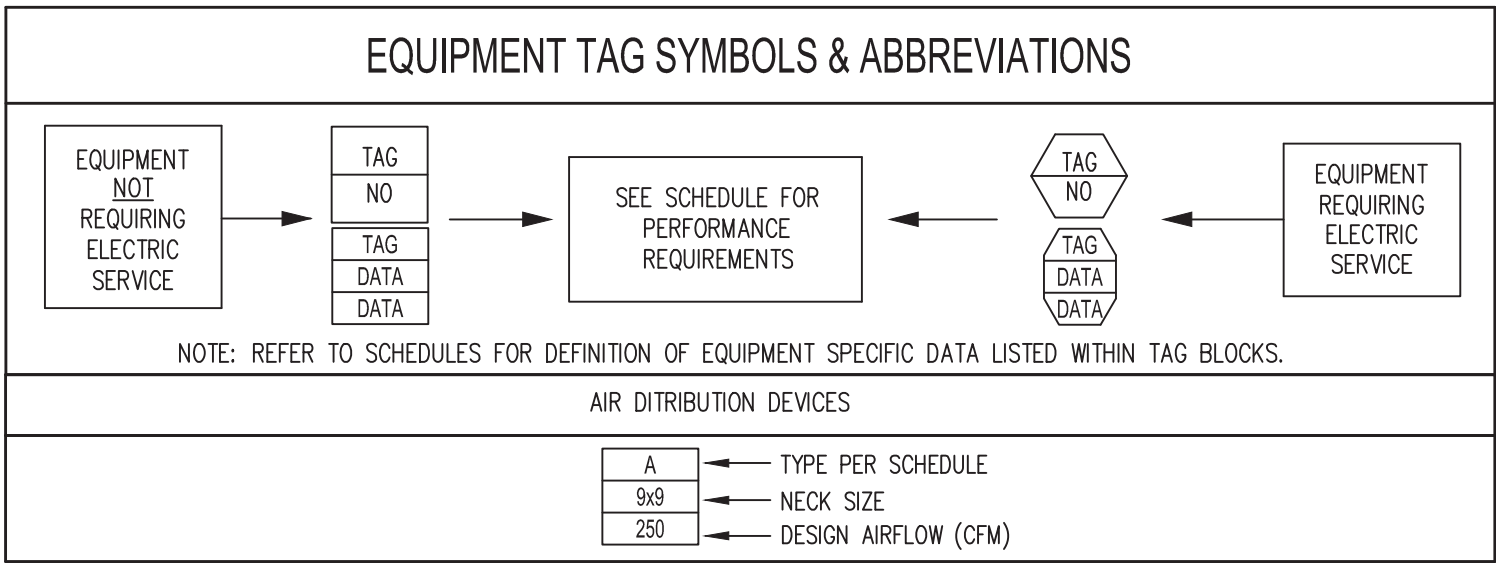
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GENERAL NOTES	
1.	DO NOT SCALE DRAWINGS UNLESS OTHERWISE NOTED. WRITTEN DIMENSIONS AND STATIONING SHALL PREVAIL. REPORT ANY DISCREPANCIES TO THE ENGINEER IMMEDIATELY.
2.	THE CONTRACTOR IS TO TAKE SPECIAL CARE NOT TO DAMAGE TREES, BUSHES, PLANTS, FLOWERS, STONEWALLS, FENCES, ETC. WITHIN THE CONSTRUCTION AREA UNLESS THEY ARE NOTED TO BE REMOVED. CONTRACTOR SHALL REPLACE ALL DAMAGED ITEMS AT NO ADDITIONAL COST TO THE OWNER.
3.	NEITHER ACCURACY NOR COMPLETION OF UTILITY LOCATIONS SHOWN ON DRAWINGS IS GUARANTEED. DETERMINE EXACT LOCATIONS OF EXISTING UTILITIES IN FIELD, WHETHER OR NOT SHOWN ON DRAWINGS. EXERCISE CAUTION AND IDENTIFY LOCATIONS OF UNMARKED UTILITY LINES AS NECESSARY TO PERFORM THE WORK OF THIS SECTION.
4.	GENERAL NOTES, SYMBOLS LIST, AND DETAILS ARE APPLICABLE TO ALL M-X-X SERIES DRAWINGS.
10.	COORDINATE WORK OF THIS SECTION WITH THAT OF OTHER SECTIONS.
11.	ALL MECHANICAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE, AND NATIONAL CODES.
12.	THE MECHANICAL AND GENERAL CONTRACTOR ARE RESPONSIBLE FOR PROVIDING ALL LABOR, MATERIALS, AND EQUIPMENT NECESSARY TO COMPLETE THE ENTIRE PROJECT AS SHOWN ON THESE DRAWINGS. OBTAIN ALL PERMITS, FEES, AND ANY OTHER APPURTENANCES REQUIRED BY LOCAL JURISDICTIONS FOR THE EXECUTION OF THE CONTRACT.
13.	HVAC WORK IS INDICATED DIAGRAMMATICALLY. EXACT LOCATIONS OF THE HVAC EQUIPMENT AND ALL COMPONENTS ARE TO BE DETERMINED IN THE FIELD AND BY ACTUAL BUILDING CONDITIONS. EQUIPMENT, DUCTS, OR PIPES INTERFERING WITH OTHER INSTALLATIONS SHALL BE RELOCATED AS REQUIRED AT NO ADDITIONAL COST TO THE OWNER.
14.	WHERE DUCTWORK CROSSINGS ARE SHOWN, CONTRACTOR SHALL PROVIDE ALL REQUIRED TRANSITIONS/OFFSETS TO ALLOW FOR A COMPLETE INSTALLATION OF THE SYSTEM.
15.	ALL DUCTWORK SHALL BE RAN BETWEEN JOISTS WHENEVER POSSIBLE. WHEN CROSSING JOISTS, DUCTWORK SHALL BE SECURED TIGHTLY TO UNDERSIDE OF FLOOR JOIST.
16.	COORDINATE ROOF PENETRATIONS WITH WORK OF OTHER SECTIONS AND WITH FLASHING REQUIREMENTS.
17.	SHEET METAL FITTINGS ARE TO BE PROVIDED AS SHOWN. NO SUBSTITUTES/DEVIATIONS SHALL BE ALLOWED WITHOUT PRIOR CONSENT FROM THE ENGINEER.
18.	REFER TO SPECIFICATIONS FOR DUCTWORK CONSTRUCTION, SEAL, AND LEAKAGE CLASSES.
19.	VERIFY ALL EQUIPMENT CONNECTIONS WITH MANUFACTURER'S CERTIFIED DRAWINGS. VERIFY AND PROVIDE DUCT TRANSITIONS TO FURNISHED EQUIPMENT. FIELD VERIFY AND COORDINATE ALL DIMENSIONS BEFORE FABRICATION.
20.	SUPPORT ALL EQUIPMENT, PIPING, AND DUCTWORK FROM BUILDING STRUCTURE AND PROVIDE A VIBRATION FREE INSTALLATION. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
21.	ALL CONTROL WIRE AND CONDUIT SHALL RUN IN A CONCEALED AND SECURE MANNER AND SHALL COMPLY WITH NEC, AND DIVISION 16000 SPECIFICATIONS.
22.	INTERNAL AIR FLOW DIMENSIONS ARE SHOWN FOR DUCTS. CONTRACTOR SHALL INCREASE SIZE FOR LINER OR DOUBLE WALL DUCTWORK WHERE IT IS APPLICABLE.
23.	ALL MATERIALS AND EQUIPMENT SHALL BE NEW.
24.	PROVIDE FLEXIBLE CONNECTIONS ON ALL DUCTS CONNECTING TO FANS AND AIR HANDLING UNITS UNLESS INTERNALLY ISOLATED. ALL DUCTS SHALL BE GROUNDED ACROSS FLEXIBLE CONNECTION WITH FLEXIBLE COPPER GROUNDING STRAPS.
25.	ALL DEMOLITION SHALL BE COORDINATED WITH G.C. AND ARCHITECT OR ENGINEER.
26.	ALL ODORS AND FUMES AS A RESULT OF CONSTRUCTION MUST BE CONTROLLED IN A MANNER SO AS TO NOT DISRUPT THE NEIGHBORS
27.	INSTALL THERMOSTATS AT LOCATIONS SHOWN ON PLANS OR AS DIRECTED BY ENGINEER. MOUNTING HEIGHT AFF SHALL COMPLY WITH ADA.
28.	THE TERMS "HVAC CONTRACTOR" AND "MECHANICAL CONTRACTOR" ARE USED INTERCHANGEABLY.
29.	ALL EQUIPMENT FURNISHED BY MECHANICAL OR GENERAL CONTRACTOR SHALL BE AS SPECIFIED OR APPROVED EQUAL.
30.	ALL SUPPLY AIR DUCTWORK SHALL BE CONSTRUCTED OF GALVANIZED SHEET STEEL CONSTRUCTED TO SMACNA STANDARDS AND IS TO BE RATED FOR 2.0" PRESSURE CLASS.
31.	FLEXIBLE DUCTWORK IS NOT PERMITTED. ALL DUCTWORK SHALL BE OF SOLID METAL CONSTRUCTION.
32.	PROVIDE ALL SUPPLY DUCT WITH 1-1/2" THICK, 1/2 LB DENSITY FIBERGLASS INSULATION.
29.	PROVIDE AT LEAST THREE-ELBOW SWING FOR PIPE TAKE-OFFS TO TERMINAL EQUIPMENT AND RISERS.
30.	ISOLATION VALVES IN PIPING SYSTEMS ARE NOT NECESSARILY SHOWN ON ALL PLANS (FOR CLARITY) BUT ARE REQUIRED AT ALL PIPE BRANCHES AND CONNECTIONS TO EQUIPMENT. REFER TO ASSOCIATED DETAIL SHEETS AND SCHEMATIC PIPE DIAGRAMS.
31.	PITCH PIPING 1/8 INCH PER FT MINIMUM TO LOW AND HIGH POINTS. ALLOW FOR DRAINING AND VENTING RESPECTIVELY.
32.	IF SOLDER JOINTS ARE USED: PROTECT FLOORS, WALLS, AND FURNISHINGS FROM SPLATTER.
25.	PROVIDE HANGERS, CLAMPS, OFFSETS, EXPANSION JOINTS, ANCHORS, AND GUIDES AS NECESSARY TO PREVENT STRESS ON PIPING.
26.	PROVIDE DUCT CLEANING SERVICE FOR ALL SUPPLY, RETURN, EXHAUST, AND DRYER DUCTWORK.
27.	USE OF INTEGRAL CHECK VALVES ON PUMPS AND OTHER EQUIPMENT ARE PROHIBITED. ALL CHECK VALVES MUST BE EXTERNAL TO THE EQUIPMENT AND BE EASILY SERVICEABLE.
28.	HVAC CONTRACTOR IS RESPONSIBLE FOR COORDINATING SYSTEM SHUTDOWN WITH THE TOWN OF HALIFAX AND PROVIDING TEMPORARY DOMESTIC HOT WATER HEATING DURING BOILER REPLACEMENT. FOR ANY SHUTDOWN BETWEEN SEPTEMBER 1ST AND JUNE 1ST, HVAC CONTRACTOR IS ALSO RESPONSIBLE FOR PROVIDING TEMPORARY HEATING FOR BASEBOARD/RADIATOR RADIATION.
29.	BUILDING SHALL BE OCCUPIED DURING CONSTRUCTION. THE TOWN OF HALIFAX MUST BE GIVEN 48HR MINIMUM NOTICE OF ANY SYSTEM SHUTDOWN.

ABBREVIATIONS			
*F ø	DEGREES FAHRENHEIT DIAMETER	KW KVA	KILOWATT KILOVOLT AMPERE
AC ACC ACV AD ADJ AFF AHU ALT AVG	AIR CONDITIONING AIR COOLED CONDENSER AUTOMATIC CONTROL VALVE ACCESS DOOR ADJUSTABLE ABOVE FINISHED FLOOR AIR HANDLING UNIT ALTERNATE AVERAGE	L LAT LB LF LVG LWT	LENGTH LEAVING AIR TEMPERATURE POUND LINEAR FEET LEAVING LEAVING WATER TEMPERATURE
BDD BHP BFF BTU BTUH	BACK DRAFT DAMPER BRAKE HORSEPOWER BELOW FINISHED FLOOR BRITISH THERMAL UNIT BRITISH THERMAL UNIT PER HOUR	MAX MBH MCA MECH MFR MIN MTD MU	MAXIMUM ONE-THOUSAND BRITISH THERMAL UNITS MINIMUM CIRCUIT AMPERAGE MECHANICAL MANUFACTURER MINIMUM MOUNTED MAKE UP WATER
CD CFM CLG CUF CTE	CARBON DIOXIDE CUBIC FEET PER MINUTE CEILING CUBIC FEET CONNECT TO EXISTING	N/A NC NC NOM NTS	NOT APPLICABLE NOISE CRITERIA NOMINAL NOT TO SCALE
DB DIA DIM DN DWG DX	DRY BULB TEMPERATURE DIAMETER DIMENSION DOWN DRAWING DIRECT EXPANSION	OA OBD OC OD OED	OUTSIDE AIR OPPOSED BLADE DAMPER ON CENTER OUTSIDE DIAMETER OPEN ENDED DUCT
EA EAT EF EFF EG ESP EWT EXH EXP ETR	EACH ENTERING AIR TEMPERATURE EXHAUST FAN EFFICIENCY EXHAUST GRILLE EXTERNAL STATIC PRESSURE ENTERING WATER TEMPERATURE EXHAUST EXPANSION EXISTING TO REMAIN	P PCF PD PH PRESS PSI PVC	PUMP POUNDS PER CUBIC FOOT PRESSURE DROP PHASE PRESSURE POUNDS PER SQUARE INCH POLYVINYL CHLORIDE
F FA FCU FD FG FP FPM FT FT/SEC	FAN FREE AREA FAN COIL UNIT FIRE DAMPER (W/ACCESS DOOR) FIBERGLASS FIRE PROTECTION FEET PER MINUTE FEET FEET PER SECOND	RA RG RH RPM RR RV	RETURN AIR RETURN GRILLE RELATIVE HUMIDITY REVOLUTIONS PER MINUTE RETURN REGISTER ROOF VENT
G GA GAL GC GND GPH GPM GWB	GAS GAUGE GALLONS GENERAL CONTRACTOR GROUND GALLONS PER HOUR GALLONS PER MINUTE GYPSUM WALL BOARD	SA SD SDET SFD SG SP SPECS SQ SR	SUPPLY AIR SMOKE DAMPER SMOKE DETECTOR SMOKE FIRE DAMPER SUPPLY GRILLE STATIC PRESSURE SPECIFICATIONS SQUARE SUPPLY REGISTER
H HC HD HP HR HW HWR HWS HZ	HEIGHT HEATING COIL HEAD HORSEPOWER HOUR HOT WATER HOT WATER RETURN HOT WATER SUPPLY HERTZ	TEMP TSP TYP	TEMPERATURE TOTAL STATIC PRESSURE TYPICAL
ID IN	INSIDE DIAMETER INCHES	UC V VD VEL VFL VTR	UNDERCUT DOOR VENT VOLUME DAMPER VELOCITY VOLUME FLOW LIMITER VENT THROUGH ROOF
		W W/ W/O WB WG	WIDTH WITH WITHOUT WET BULB TEMPERATURE WATER GAUGE



PUMPS																
UNIT NO.	SERVICE	LOCATION	CASING TYPE	SUCTION SIZE (IN)	DISCHARGE SIZE (IN)	FLUID		GPM	HEAD (FT)	PUMP RPM	BHP	V	ø	HZ	MANUFACTURER MODEL NUMBER (AS STANDARD)	REMARKS
						TYPE	TEMP									
P-1	HHW	MECH.	C.I.	1.5	1.5	WATER	140	34	15	VARIABLE	0.68	208	1	60	TACO VR15-3	1,3
P-2	DHW	MECH.	C.I.	1.5	1.5	WATER	140	20	15	VARIABLE	0.68	208	1	60	TACO VR15-3	1,3
BP-1	B-1	MECH.	C.I.	1.5	1.5	WATER	120	38	2.0	VARIABLE	0.68	115	1	60	TACO VR15-3	1,2,3

1. SET PUMP FOR AN INPUT SIGNAL OF 0-10Vdc VIA DIP SWITCHES ON PUMP CONTROL.
2. PUMP SHALL BE CONTROLLED BY BOILER (SET FOR EXTERNAL SIGNAL CONTROL)
3. SET PUMP FOR LINEAR OUTPUT.

EXPANSION TANK SCHEDULE												
UNIT NO.	LOCATION	SERVICE	SYSTEM TEMP (°F)		SYSTEM PRESSURE(PSIG) AT TANK LOCATION		TANK PRESSURE RATING(PSI)	FLUID TYPE	TANK ACCEPTANCE VOLUME (GAL)	TANK PRE CHARGE (PSIG)	MANUFACTURER MODEL NUMBER (AS STANDARD)	REMARKS
			MIN	MAX	MIN	MAX						
ET-1	MECHANICAL	HHW	120	140	50	125	125	WATER	23	14	TACO CA 90-125	

GAS FIRED HOT WATER CONDENSING BOILER																				
UNIT NO.	LOCATION	MAX GAS INPUT (MBH)	MIN GAS INPUT (MBH)	NET AHRI OUTPUT RATING (MBH)	AFUE (%)	BOILER TURN DOWN (RATIO)	MINIMUM GAS PRESSURE INPUT (IN. WC)	WATER					FLUID TYPE	INTAKE SIZE (IN)	FLUE SIZE (IN)	ELECTRICAL DATA			MANUFACTURER MODEL NUMBER (AS STANDARD)	REMARKS
								MAX P.D (FT. HD)	EW T(°F)	LWT(°F)	GPM	OUTPUT SIZE (IN)				V	ø	HZ		
B-1	MECHANICAL	399	80	328	94.4	5:1	4.0	1.4	120	140	38.0	1.5	WATER	4.0	4.0	120	1	60	LOCHINVAR WHN400	1,2,3

1. PROVIDE WITH KIT3087 CONDENSATE NEUTRALIZATION KIT
2. PROVIDE BOILER FLUE PIPE AS AL-294C STAINLESS STEEL
3. PROVIDE INTAKE PIPING AS PVC.

AIR SEPARATOR SCHEDULE											
UNIT NO.	LOCATION	SERVICE	PIPE SIZE (IN)	BODY TYPE	FITTING TYPE	MAX WORKING PRESSURE (PSIG)	MAX OPERATING TEMP. (°F)	PRESSURE DROP (FT W.C.)	REC. FLOW (GPM)	MANUFACTURER MODEL NUMBER (AS STANDARD)	REMARKS
AS-1	MECHANICAL	HEATING SYSTEM	1.5	BRASS	THREAD	150	270	—	30	SPIROTHERM SPIROVENT VJR-150TM	

GRILLES, REGISTERS & DIFFUSERS								
TAG	SIZE	SELECTION RANGE (CFM)	TYPE	MOUNTING	ACCESSORIES/OPTIONS	MANUFACTURER MODEL NO. (AS STANDARD)	COLOR	REMARKS
A	SEE PLANS	95-160	SUPPLY REGISTER	FLOOR	FLOOR PLENUM	PRICE LFG	BY ARCH.	1
B	SEE PLANS	220	RET/EXH REGISTER	FLOOR	FLOOR PLENUM	PRICE LFG	BY ARCH.	1
C	SEE PLANS	175-575	SUPPLY DIFFUSER	CEILING	SURFACE MOUNT FRAME	PRICE SPD	BY ARCH.	1
D	10"ø	490	RETURN GRILLE	CEILING	SURFACE MOUNT FRAME	PRICE 80	BY ARCH.	1
E	6X6	50-100	EXHAUST GRILLE	WALL	SURFACE MOUNT FRAME	PRICE 530	BY ARCH.	1
F	SEE PLANS	650-2100	FILTER RETURN	WALL	SURFACE MOUNT FRAME	PRICE 530FF	BY ARCH.	1
G	8X8	200	TRANSFER GRILLE	WALL	SURFACE MOUNT FRAME	PRICE 530	BY ARCH.	1

1. PROVIDE WITH FLOOR PLENUM (PRICE LFP)

AIR COOLED CONDENSING UNIT									
TAG NO.	PAIRED WITH TAG NO.	COOLING CAPACITY (MBH)	REF. TYPE	LINE SIZE GAS/LIQ	ELECTRICAL SERVICE			MANUFACTURER MODEL NUMBER (AS STANDARD)	REMARKS
					VOLTS	ø	HZ		
ACC-1	AHU-1	6.0	R410A	—	208	3	60	TRANE TTA07243	1
ACC-2	AHU-2	4.0	R410A	—	208	1	60	TRANE 4TTA3048	1
ACC-3	AHU-3	4.0	R410A	—	208	1	60	TRANE 4TTA3048	1
ACC-4	FOR FUTURE USE								
ACC-5	AC-1	0.75	R410A	3/8" & 1/4"	208	1	60	MITSUBISHI MUY-GE09NA	1,2,3

1. MANUFACTURER TO DETERMINE PIPE SIZING. CONTRACTOR TO VERIFY PIPING RUN LENGTH AND PROVIDE TO MANUFACTURER.
2. PROVIDE WITH LOW-AMBIENT COOLING KIT.
3. PROVIDE WITH SNOW STAND (MINIMUM 3'-0" IN HEIGHT)

AIR HANDLING UNIT W/ HEATING HOT WATER & DX COOLING COILS																									
UNIT NO.	SERVICE	COND. UNIT	TOTAL CFM	MIN O.A. CFM	MAX O.A. CFM	FAN DATA				COOLING COIL					HEATING HOT WATER COIL					ELECTRICAL DATA			MANUFACTURER MODEL NUMBER (AS STANDARD)	REMARKS	
						ESP (IN W.G.)	RPM	BHP	MOTOR HP	TOTAL COOLING (TONS)	REF. TYPE	AIR DATA				OUTPUT CAPACITY (MBH)	PRES. DROP (IN. W.G.)	EWT (°F)	LWT (°F)	GPM	VOLTS	PHASE			FREQ
												EAT (°F) DB	WB	LAT (°F) DB	WB										
AHU-1	ADDITION	ACC-1	2500	400	600	1.0	—	—	—	6.0	R410A	78.8	60.8	55	56	60	—	140	120	6.0	120	1	60	TRANE CSAA	—
AHU-2	1ST FLR	ACC-2	1430	325	—	1.0	—	—	—	4.0	R410A	78.5	68.4	55	56	90	—	140	120	9.0	120	1	60	TRANE CSAA	—
AHU-3	2ND FLR	ACC-3	1395	250	—	1.0	—	—	—	4.0	R410A	77.6	68.0	55	56	90	—	140	120	9.0	120	1	60	TRANE CSAA	—
AHU-4	2ND FLR	ACC-4 (FUTURE)	850	100	—	0.75	—	—	—	COIL TO BE SIZED LATER (FUTURE USE)					40	—	140	120	4.0	120	1	60	TRANE CSAA	—	

1. PROVIDE WITH (2) MERV-8 FILTERS
2. PROVIDE WITH STAINLESS STEEL SECONDARY DRAIN PAN.
3. PROVIDE WITH ECONOMIZER
4. PROVIDE UNIT IN THE VERTICAL CONFIGURATION. (TOP DISCHARGE, SIDE INLET WITH MIXING BOX)

EXHAUST FANS												
UNIT NO.	SERVICE	TYPE	CFM	E.S.P. (IN. W.G.)	FAN		SOUND LEVEL (SONES)	ELECTRICAL			MANUFACTURER MODEL NUMBER (AS STANDARD)	REMARKS
					RPM	HP		VOLTS	PH	HZ		
KEF-1	KITCHEN	UPBLAST/CURB MTD	788	1.05	1758	1/2	13.6	208	1	60	GREENHECK CUBE-CUBE-1414HP-5	1,2,3

1. PROVIDE OCCUPANCY & HUMIDITY SENSING CONTROLS.
2. PROVIDE AS BELT DRIVE.
3. PROVIDE WITH NON-STICK WHEEL, & S.S. FASTNERS

SPLIT SYSTEM A/C											
TAG NO.	PAIRED WITH TAG NO.	COOLING CAPACITY (TONS)	EAT (°F)	CFM	REF. TYPE	LINE SIZE GAS/LIQ	ELECTRICAL SERVICE			MANUFACTURER MODEL NUMBER (AS STANDARD)	REMARKS
							VOLTS	ø	HZ		
AC-1	ACC-5	0.75	75	350	R410A	3/8" & 1/4"	208	1	60	MITSUBISHI MSY-GE09NA	

ENERGY RECOVERY VENTILATOR																			
TAG	SUMMER CONDITIONS				WINTER CONDITIONS				SUPPLY FAN		EXHAUST FAN		FROST CONTROLS	ELECTRICAL DATATA				MANUFACTURER MODEL NUMBER (AS STANDARD)	REMARKS
	OUTSIDE AIR D.B.	OUTSIDE AIR W.B.	INDOOR AIR D.B.	INDOOR AIR HUMIDITY	OUTSIDE AIR D.B.	OUTSIDE AIR W.B.	INDOOR AIR D.B.	INDOOR AIR HUMIDITY	CFM	STATIC PRESSURE	CFM	STATIC PRESSURE		VOLTS	Hz	PH.	MCA		
ERV-1	91	73	75	55%	0	0	70	30%	325	0.625	325	0.625	YES	120	60	1	9.0	RENEWAIRE EV450IN	1
ERV-2	91	73	75	55%	0	0	70	30%	250	0.625	250	0.625	YES	120	60	1	9.0	RENEWAIRE EV450IN	1
ERV-3	91	73	75	55%	0	0	70	30%	100	0.25	100	0.25	YES	120	60	1	9.0	RENEWAIRE EV450IN	1

1. PROVIDE WITH FROST CONTROL.

KITCHEN EXHAUST HOOD																		
UNIT NO.	SERVICE	DIMENSIONS			HOOD CONSTR.	COOKING LOAD/RATING	EXHAUST		LIGHT QTY	LIGHT TYPE	DRAIN LOCATION	WEIGHT (LBS)	EXHAUST COLLAR				MANUFACTURER MODEL NUMBER (AS STANDARD)	REMARKS
		LENGTH	WIDTH	HEIGHT			TOTAL CFM	TOTAL S.P.					SECTION QTY	COLLAR QTY	COLLAR SIZE (L x W)	VELOCITY (FPM)		
KEH-1	KITCHEN	42	36	24	430 SS	LIGHT	788	0.45	1	LED	RIGHT	105	1	1	9" x 8"	1576	GREENHECK GHEP-42.00-S	1,2,3,4,5,6,7

1. PROVIDE AS "BACK SHELF" STYLE HOOD.
2. UL 710 LISTED WITHOUT FIRE DAMPER UL #MH11726
3. FACTORY MOUNTED EXHAUST COLLARS
4. STANDING SEAM CONSTRUCTION.
5. REFER TO DETAIL #10 ON M-003 FOR ANSUL SYSTEM REQUIREMENTS.
6. PROVIDE STAINLESS STEEL BAFFLE FILTERS (2) ø 20" WIDE , 20" HIGH.
7. MANUFACTURER TO VERIFY SIZING BEFORE BEING PURCHASED BY CONTRACTOR.

ELEVATOR PENTHOUSE LOUVER W/MOTORIZED DAMPER													
LOUVER						MOTORIZED DAMPER							
UNIT NO.	LOCATION	OVERALL DIMENSION	FRAME DEPTH	FINISH TYPE	MANUFACTURER MODEL NUMBER (AS STANDARD)	OVERALL DIMENSION	VELOCITY (FPS)	FAIL POSITION	ELECTRICAL			MANUFACTURER MODEL NUMBER (AS STANDARD)	REMARKS
									VOLTS	ø	HZ		
MOV-1	ELEVATOR PENTHOUSE	52"x26"	4.0"	TBD	RUSKIN ELF375DX	52"x26"	—	OPEN	115	1	60	RUSKIN SD60	1

1. DAMPER SHALL BE POWERED SHUT. IN THE EVENT OF POWER FAILURE OR FIRE ALARM ACTIVATION, DAMPER SHALL OPEN.

HOT WATER UNIT HEATER SCHEDULE																		
UNIT NO.	LOCATION	MOUNTING	OUTPUT MBH	AIR			MOTOR		HOT WATER					ELECTRICAL DATA			MANUFACTURER MODEL NUMBER (AS STANDARD)	REMARKS
				CFM	EAT (°F)	LAT (°F)	HP	RPM	ROWS	GPM	EWT (°F)	LWT (°F)	P.D. (FT)	V	Ø	HZ		
UH-1	BASEMENT	CEILING HUNG	20	1120	60	78	1/12	1,550	1	2.4	140	120	0.2	115	1	60	MODINE HC 63	
UH-2	BASEMENT	CEILING HUNG	20	1120	60	78	1/12	1,550	1	2.4	140	120	0.2	115	1	60	MODINE HC 63	

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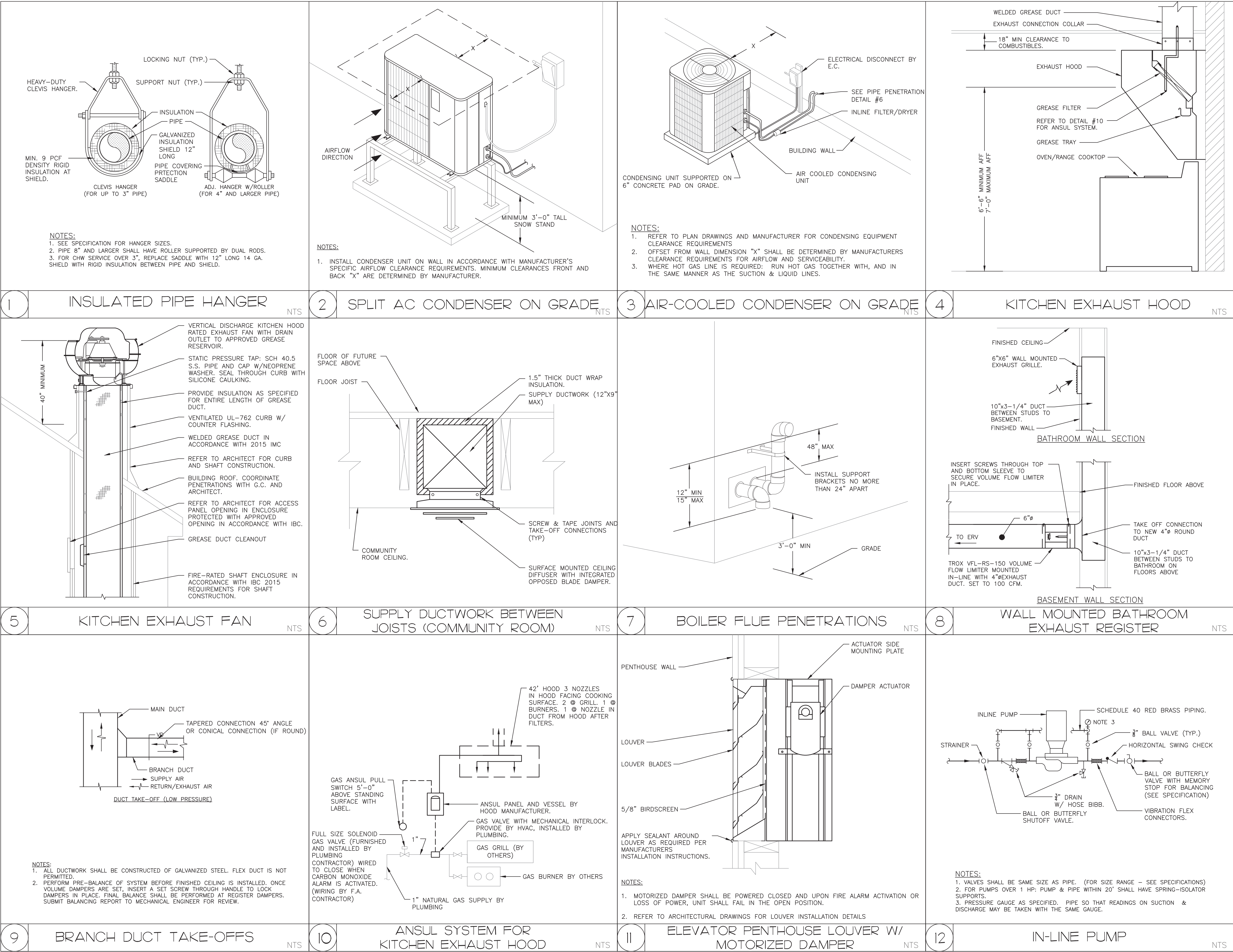
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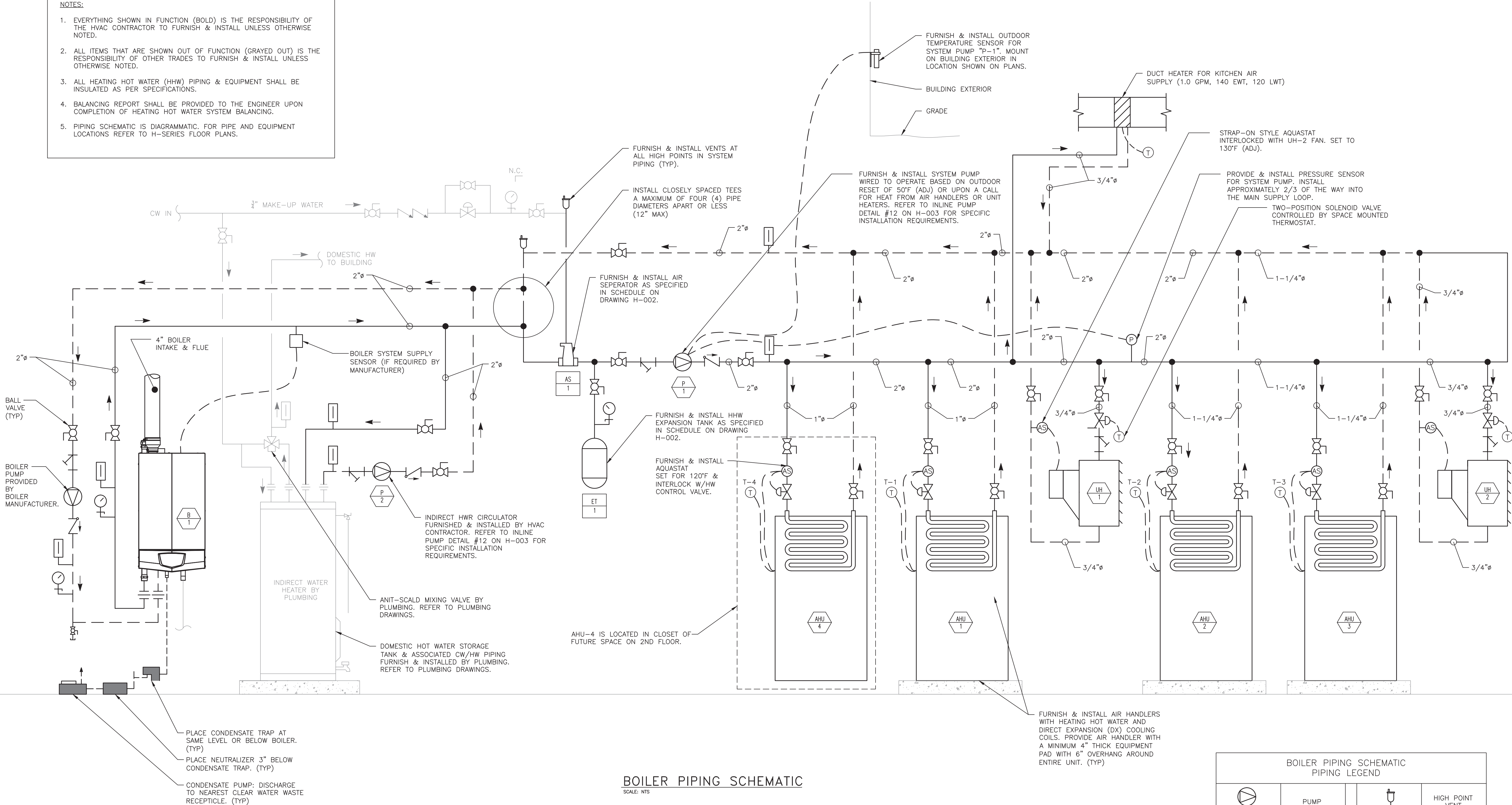
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NOTES:

1. EVERYTHING SHOWN IN FUNCTION (BOLD) IS THE RESPONSIBILITY OF THE HVAC CONTRACTOR TO FURNISH & INSTALL UNLESS OTHERWISE NOTED.
2. ALL ITEMS THAT ARE SHOWN OUT OF FUNCTION (GRAYED OUT) IS THE RESPONSIBILITY OF OTHER TRADES TO FURNISH & INSTALL UNLESS OTHERWISE NOTED.
3. ALL HEATING HOT WATER (HHW) PIPING & EQUIPMENT SHALL BE INSULATED AS PER SPECIFICATIONS.
4. BALANCING REPORT SHALL BE PROVIDED TO THE ENGINEER UPON COMPLETION OF HEATING HOT WATER SYSTEM BALANCING.
5. PIPING SCHEMATIC IS DIAGRAMMATIC. FOR PIPE AND EQUIPMENT LOCATIONS REFER TO H-SERIES FLOOR PLANS.



BOILER PIPING SCHEMATIC

SCALE: NTS

BOILER PIPING SCHEMATIC PIPING LEGEND			
	PUMP		HIGH POINT VENT
	THERMOMETER		LOW POINT DRAW-OFF
	PRESSURE GAUGE		UNION
	CIRCUIT SETTER		Y-STRAINER
	SOLENOID VALVE		FLOW CHECK VALVE
	BALL VALVE		AQUASTAT
			THERMOSTAT

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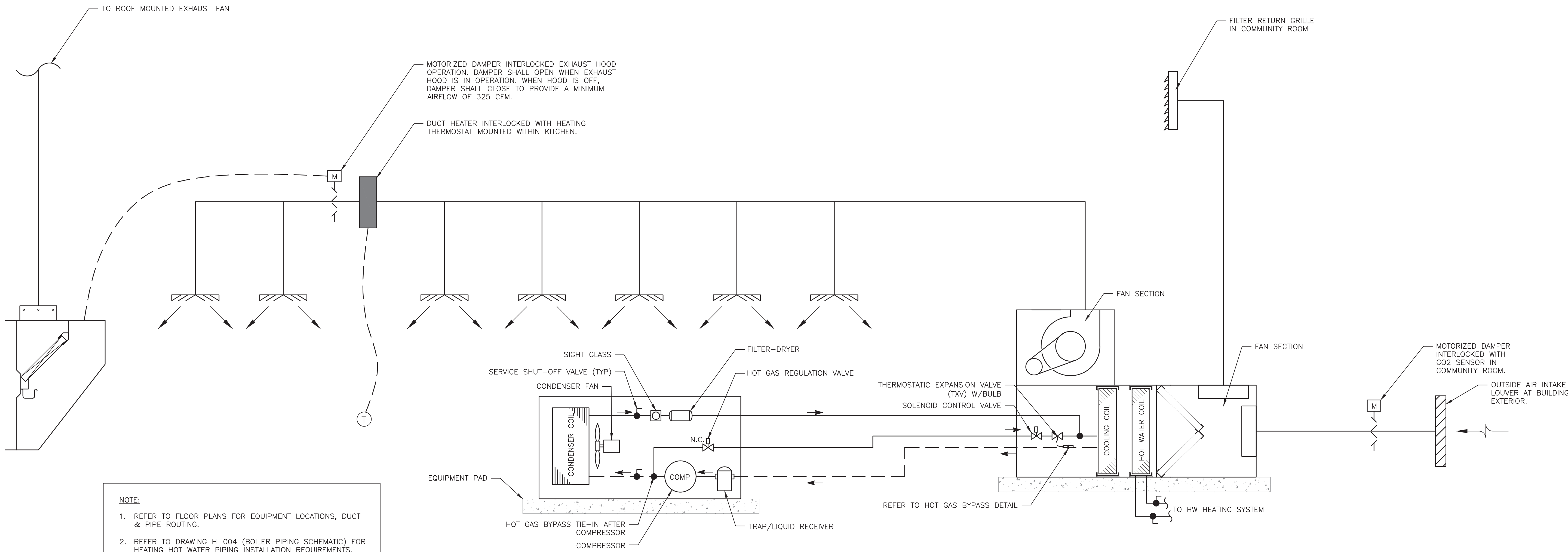
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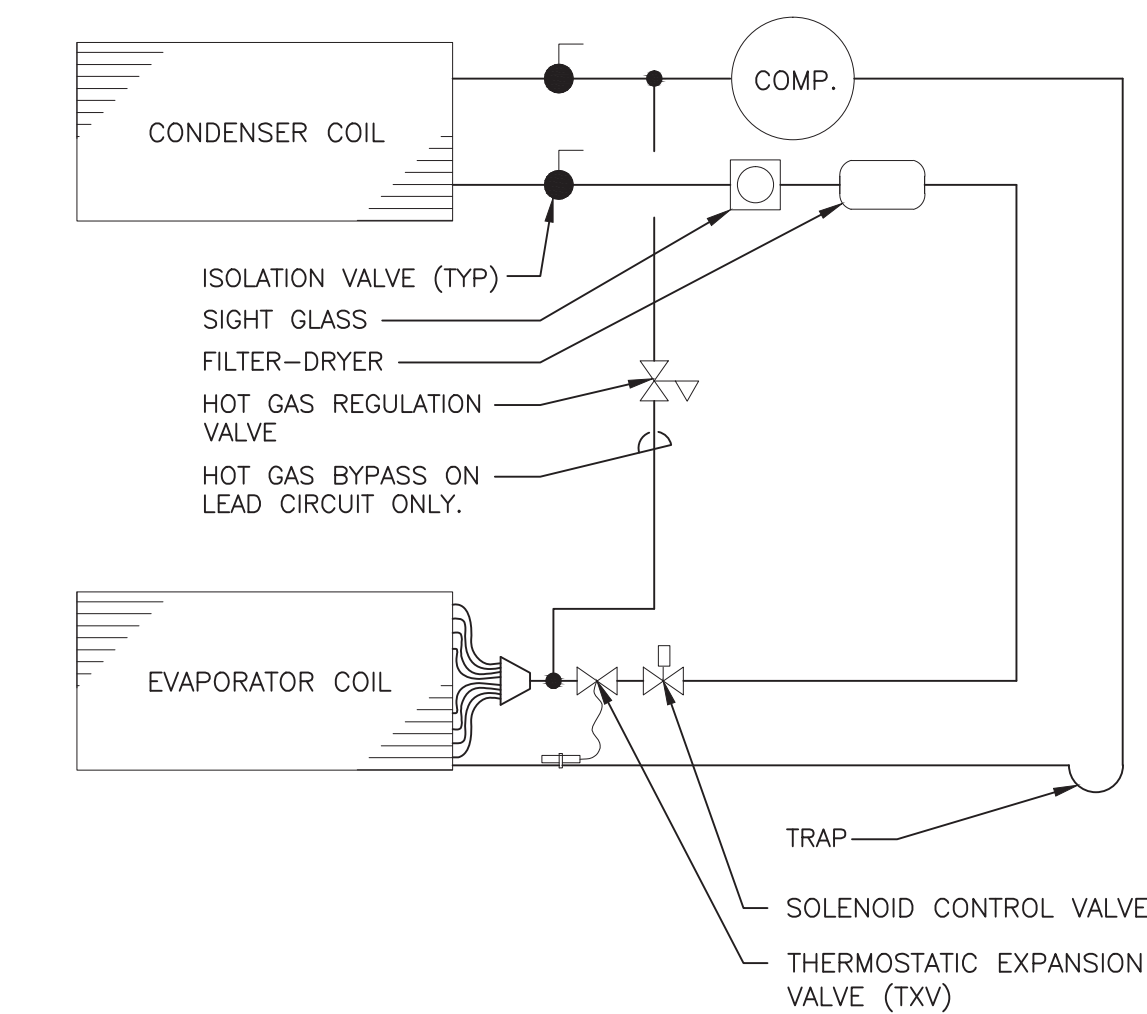
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- NOTE:
- REFER TO FLOOR PLANS FOR EQUIPMENT LOCATIONS, DUCT & PIPE ROUTING.
 - REFER TO DRAWING H-004 (BOILER PIPING SCHEMATIC) FOR HEATING HOT WATER PIPING INSTALLATION REQUIREMENTS.



- NOTE:
- CONDENSING UNIT MANUFACTURER TO SUBMIT DETAILED PIPING DIAGRAM WITH THE PIPE SIZES, INDICATING ALL PIPING SPECIALTIES.

HOT GAS BYPASS

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HVAC AIR HANDLING UNIT SCHEMATIC

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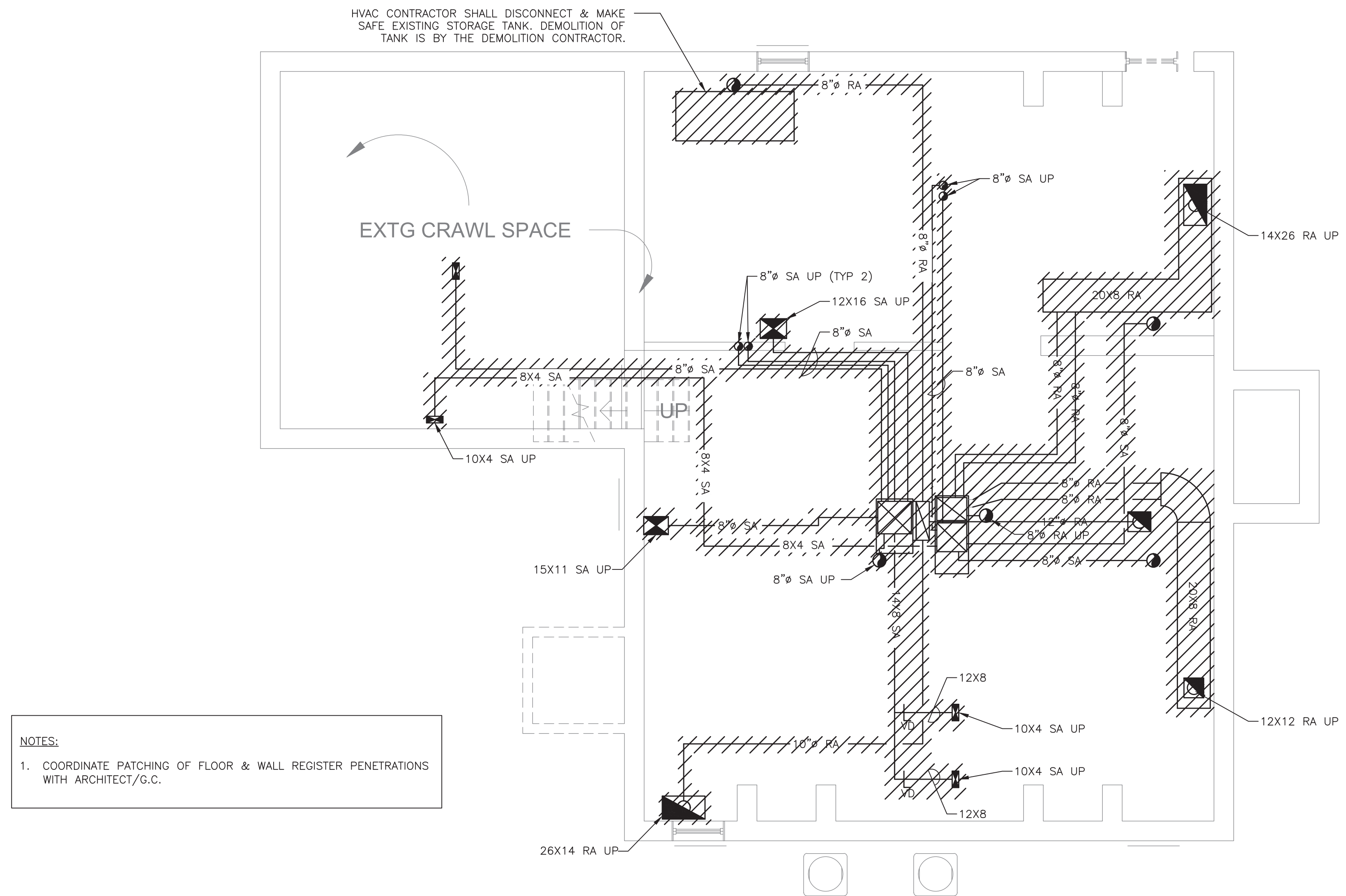
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HVAC BASEMENT DEMOLITION PLAN

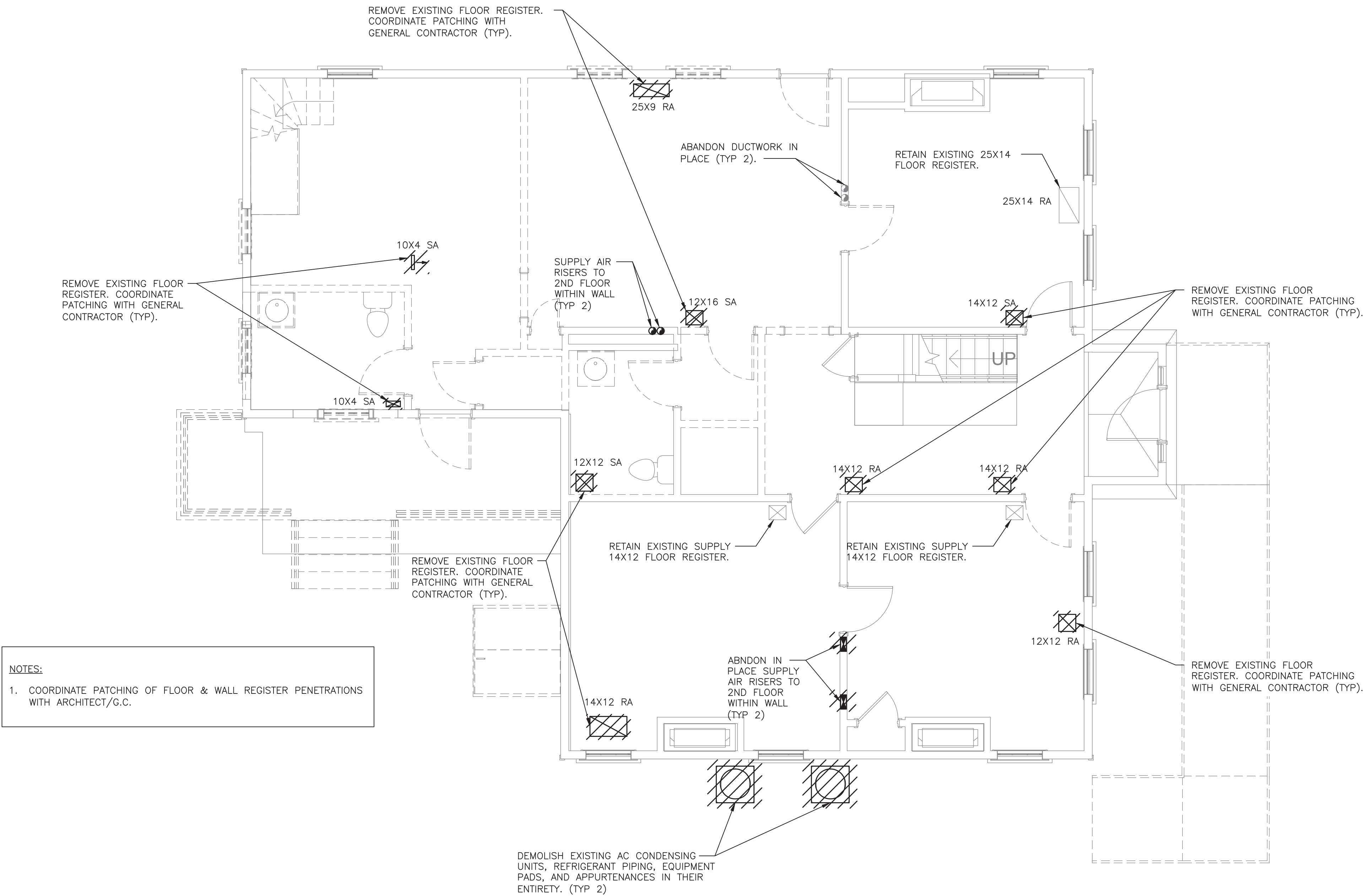
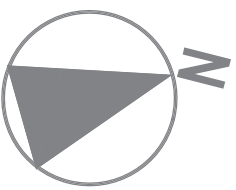
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SCALE: 1/4" = 1'-0"

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NOTES:
1. COORDINATE PATCHING OF FLOOR & WALL REGISTER PENETRATIONS WITH ARCHITECT/G.C.

MECHANICAL FIRST FLOOR DEMOLITION PLAN
SCALE: 1/4" = 1'-0"

Date issued:

07/06/18



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Owner/Developer:

TOWN OF
HALIFAX, MA

Project:

ADDITION /
RENOVATION -
POPE'S
TAVERN,
HALIFAX, MA

Drawing:

HVAC FIRST
FLOOR
DEMOLITION
PLAN

Revisions:

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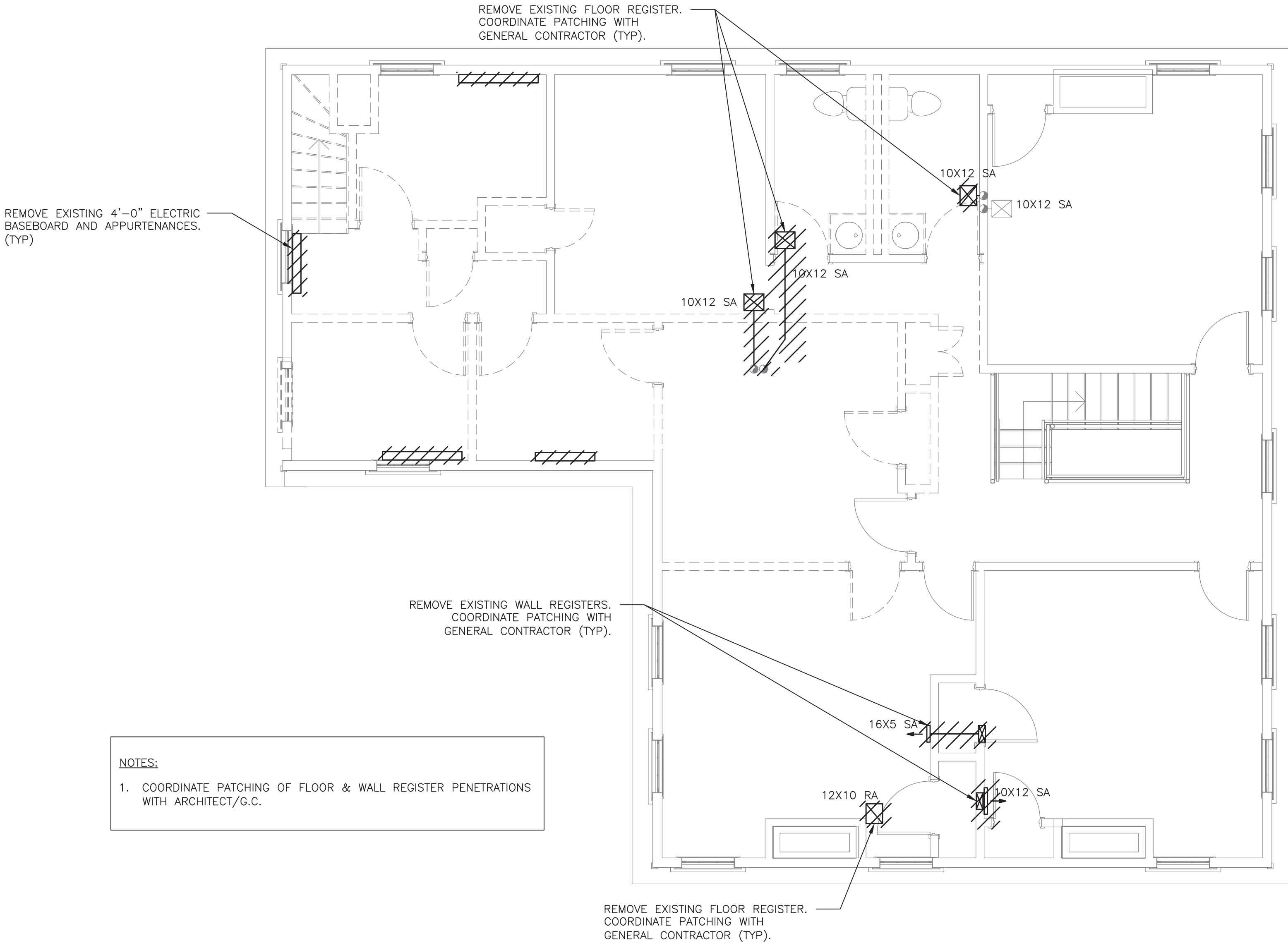
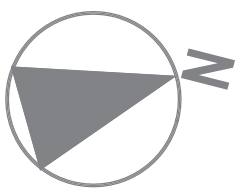
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Project number:

16-514

Sheet:

H-101



MECHANICAL SECOND FLOOR DEMOLITION PLAN
SCALE: 1/4" = 1'-0"

Date issued:

07/06/18



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HALIFAX, MA**

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HVAC FIRST
FLOOR NEW
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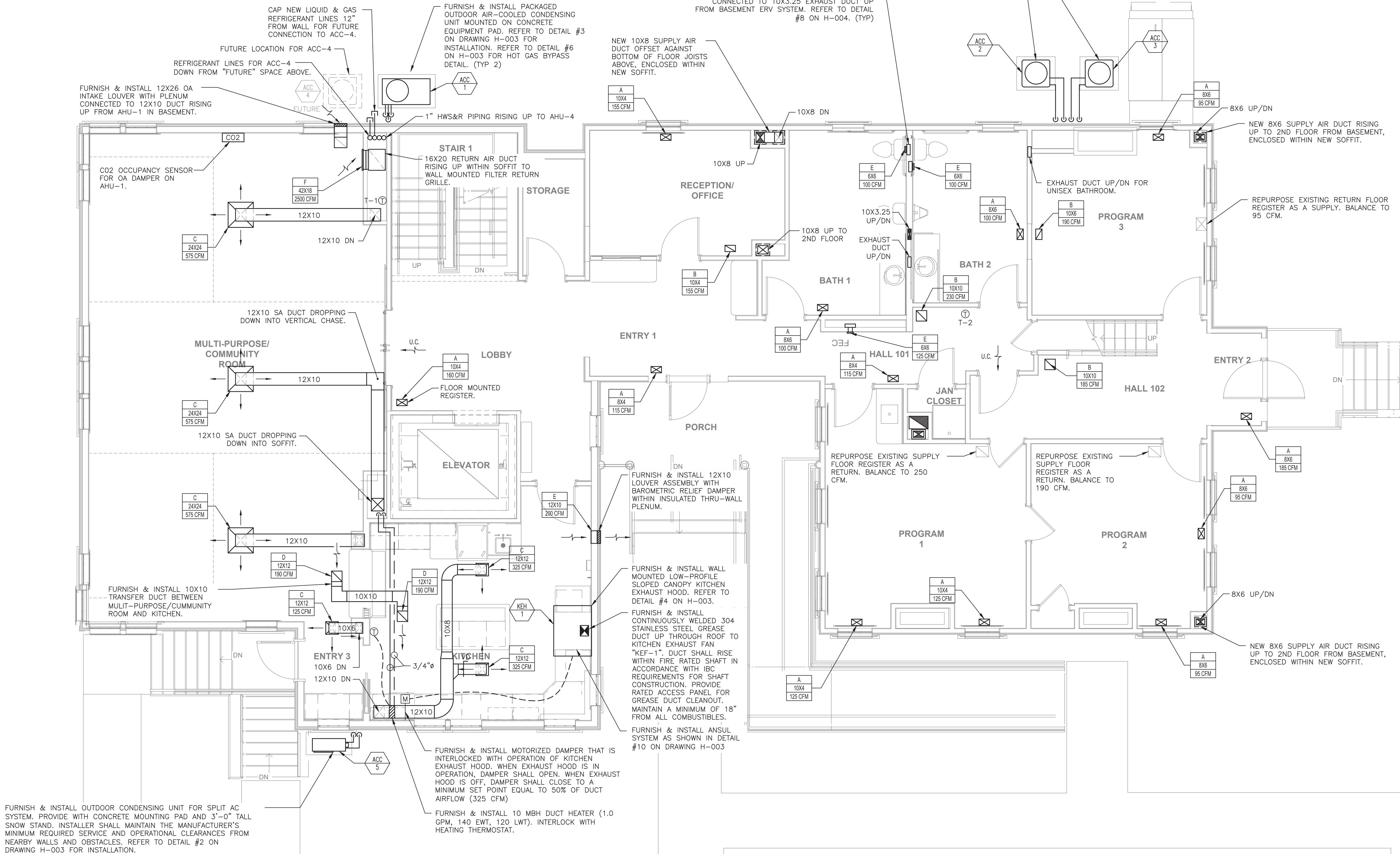
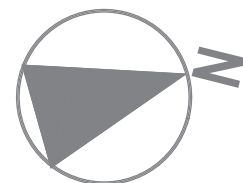
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NOTES:

1. ALL SUPPLY & RETURN AIR DUCTWORK SHALL BE INSULATED. REFER TO SPECIFICATIONS FOR INSULATION TYPE, THICKNESS, AND INSTALLATION.

FURNISH & INSTALL PACKAGED OUTDOOR AIR-COOLED CONDENSING UNITS MOUNTED ON CONCRETE EQUIPMENT PADS. REFER TO DETAIL #3 ON DRAWING H-003 FOR INSTALLATION. (TYP 2)

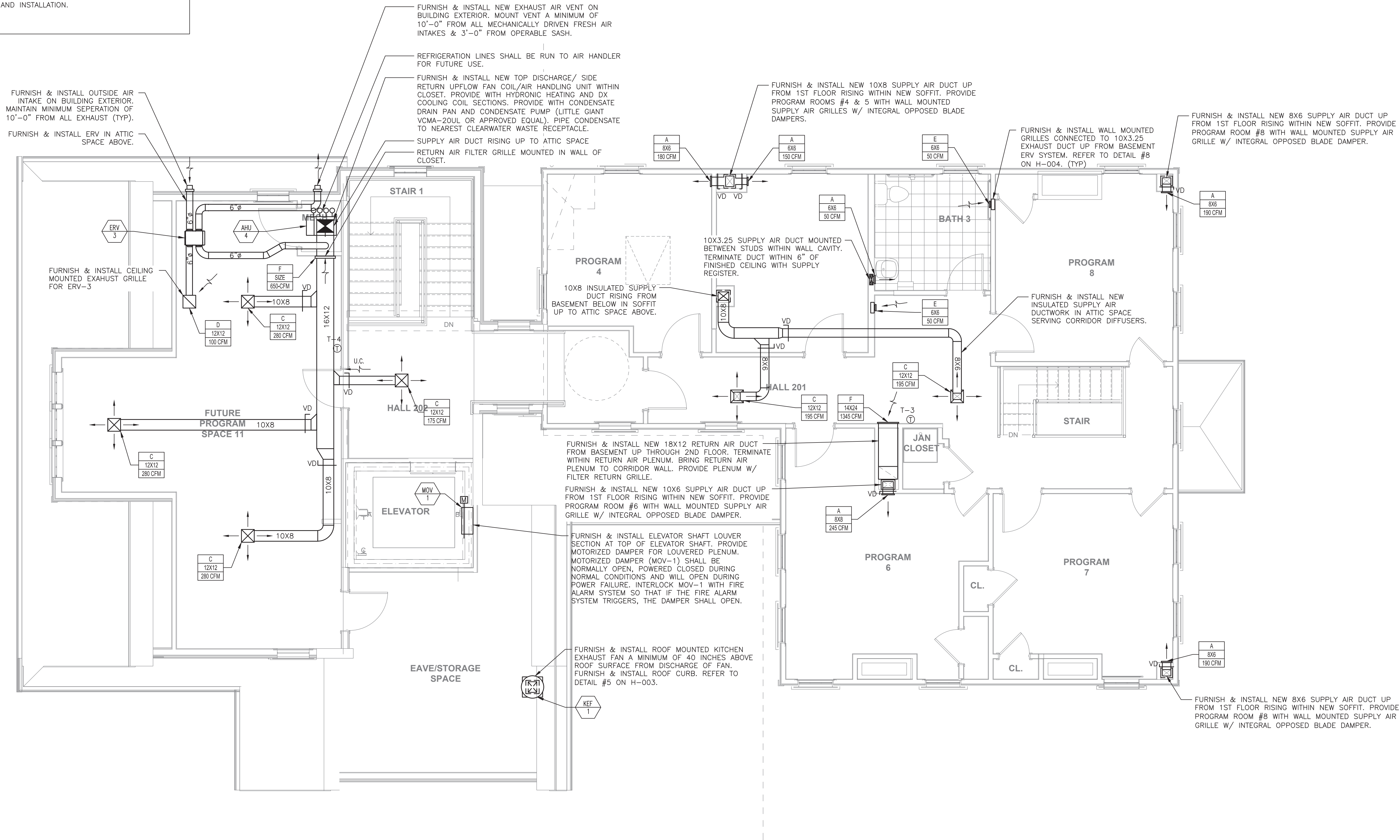


MECHANICAL FIRST FLOOR NEW WORK PLAN

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

NOTES:

1. ALL SUPPLY & RETURN AIR DUCTWORK SERVING SECOND FLOOR SHALL BE INSULATED. REFER TO SPECIFICATIONS FOR INSULATION TYPE, THICKNESS, AND INSTALLATION.



MECHANICAL SECOND FLOOR NEW WORK PLAN

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

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HVAC
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ABBREVIATIONS

A	AMPS
ABV	ABOVE
AC	ALTERNATING CURRENT
AF	AMP FUSE
AF-C	ABOVE FINISHED CEILING
AF-F	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
A/C	AIR CONDITIONING
AL	ALUMINUM
AMP	AMPERE
ANN	ANNUNCIATOR
ARCH	ARCHITECTURAL
ASYM	ASYMMETRICAL
CT	AMP TRIP
ATS	AUTOMATIC TRANSFER SWITCH
AVG	AVERAGE
BKR	BREAKER
BL	BLANK
BLDG	BUILDING
C	CONDUIT
CAT	CATALOG
CKT	CIRCUIT
CLG	CEILING
COL	COLUMN
CONC	CONCRETE
CTE	CURRENT TRANSFORMER
CU	CONNECT TO EXISTING COPPER
DIA	DIAMETER
DISC	DISCONNECT
DIST	DISTRIBUTION
DN	DOWN
DP	DISTRIBUTION PANEL
DET	DETAIL
DWG	DRAWING
E	EMERGENCY
EA	EACH
EC	ELECTRICAL CONTRACTOR
ELEC	ELECTRIC(AL)
ELEV	ELEVATOR
EM	EMERGENCY
EQ	EQUAL
EQUIP	EQUIPMENT
EW	ELECTRIC WATER COOLER
EXIST	EXISTING
FLR	FLOOR
F/A	FIRE ALARM
FBO	FURNISHED BY OWNER
FIN	FINISH
FIXT	FIXTURE
FL	FLUSH
FLUOR	FLUORESCENT
FT	FEET
G	GROUND
GA	GAUGE
GALV	GALVANIZED
GC	GENERAL CONTRACTOR
GFI	GROUND FAULT INTERRUPTER
GND	GROUND
H	HERMETIC
HGT	HEIGHT
HOA	HAND-OFF-AUTO
HORIZ	HORIZONTAL
HP	HORSEPOWER
HTG	HEATING
HVAC	HEATING, VENTILATION & AIR CONDITIONING
IN	INCHES
INCD.	INCANDESCENT
J/JB	JUNCTION BOX
KW	KILOWATT
KVA	KILOVOLT-AMPERES
KWH	KILOWATT-HOURS
LA	LIGHTNING ARRESTOR
LTG	LIGHTING
MACH	MACHINE
MAX	MAXIMUM
MCB	MAIN CIRCUIT BREAKER
MCC	MOTOR CONTROL CENTER
MCM	THOUSAND CIRCULAR MILS
MECH	MECHANICAL
MFR	MANUFACTURER
MIN	MINIMUM
MISC	MISCELLANEOUS
MTD	MOUNTED
MTS	MANUAL TRANSFER SWITCH
N	NEUTRAL
N/A	NOT APPLICABLE
NC	NORMALLY CLOSED
NEC	NATIONAL ELECTRIC CODE
NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
NTS	NOT IN CONTRACT
NO	NORMALLY OPEN
NTS	NOT TO SCALE
P	POLE
PB	PULLBOX
PC	PLUMBING CONTRACTOR
PF	POWER FACTOR
PH	PHASE
PNL	PANEL
PRI	PRIMARY
PWR	POWER
PT	POTENTIAL TRANSFORMER
RCPT	RECEPTACLE
REQD	REQUIRED
RM	ROOM
RMS	ROOT MEANS SQUARE
SEC	SECONDARY
SP	SPARE
SPEC(S)	SPECIFICATION(S)
ST	SHUNT TRIP
SO	SQUARE
STD	STANDARD
SURF	SURFACE
SW	SWITCH
SWBD	SWITCHBOARD
SWGR	SWITCHGEAR
SYM	SYMMETRICAL
SYS	SYSTEM
TEL	TELEPHONE
TELCO	TELEPHONE COMPANY
TEMP	TEMPERATURE
TERM	TERMINAL
TV	TELEVISION
TYP	TYPICAL
UC	UNDER CABINET
UL	UNDERWRITERS LABORATORY
UN	UNLESS OTHERWISE NOTED
V	VOLTS
W	WATTS
WP	WEATHERPROOF
XFMR	TRANSFORMER

DEMOLITION NOTES:





- AN ATTEMPT HAS BEEN MADE TO SHOW ALL EXISTING ELECTRICAL ITEMS TO BE REMOVED OR TO REMAIN HOWEVER, NOT EVERY ITEM IS SHOWN COMPREHENSIVELY. THE DEMOLITION PLANS AND THESE DEMOLITION NOTES ARE INTENDED AS A GENERAL GUIDE TO THE DEMOLITION REQUIRED FOR THIS PROJECT. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO REMOVE OR RELOCATE ALL EXISTING ELECTRICAL ITEMS AND DEVICES THAT INTERFERE WITH NEW CONSTRUCTION.
- FIELD VERIFY ALL SERVICES (I.E. BRANCH CIRCUIT WIRING, ETC.) THAT ORIGINATE IN THE AREA OF DEMOLITION BUT SERVE ITEMS LOCATED IN EXISTING TO REMAIN AREAS. THESE SERVICES SHALL REMAIN AND SHALL BE REROUTED AS REQUIRED.
- ALL EQUIPMENT NOT INDICATED TO BE REUSED SHALL BE RETURNED TO THE OWNER OR DISPOSED OF IN A PROPER AND LEGAL MANNER AS DIRECTED BY OWNER. ALL ITEMS DESIGNATED FOR DISPOSAL SHALL BE REMOVED FROM THE PREMISES OR PROJECT SITE WITHIN 72 HOURS.
- COORDINATE AND PROVIDE FOR DEMOLITION OF POWER CONNECTIONS TO MECHANICAL EQUIPMENT WITH THE MECHANICAL DEMOLITION PLANS AND WITH THE MECHANICAL CONTRACTOR FOR THIS PROJECT.
- EXISTING CONDUITS MAY BE REUSED PROVIDED THEY MEET NEC SIZE REQUIREMENTS FOR FILLS, AND THEY ARE CLEANED AND SWABBED PRIOR TO INSTALLATION OF NEW WIRING.
- ANY CIRCUITS FEEDING THROUGH DEVICES OR EQUIPMENT BEING RELOCATED, REWORKED, OR ABANDONED AND SERVING OTHER ELECTRICAL DEVICES AND/OR EQUIPMENT SHALL BE MAINTAINED BY PROVIDING JUNCTION BOXES OR OTHER ACCEPTABLE AND APPROVED METHODS PER NEC AS REQUIRED.
- THE OPERATION OF THE EXISTING LIFE SAFETY SYSTEMS AND RELATED COMPONENTS (FIRE ALARM, EMERGENCY LIGHTING, EXIT SIGNS, ETC.) SHALL BE MAINTAINED AT ALL TIMES DURING THE ENTIRE PERIOD OF DEMOLITION. AT NO TIME SHALL THE FACILITY BE LEFT WITHOUT FIRE ALARM PROTECTION AND EMERGENCY EGRESS LIGHTING IN ALL CONTRACTED AREAS.
- PATCH EXISTING WALLS TO REMAIN FOLLOWING REMOVAL OF ANY ELECTRICAL ITEM THAT WILL NOT BE REPLACED FOR NEW CONSTRUCTION. MATCH EXISTING WALL SURFACE AND FINISH. WORK TO BE PERFORMED BY WORKMEN SKILLED IN THE TRADE.

GENERAL NOTES:














- ALL ELECTRICAL WORK SHALL BE IN STRICT COMPLIANCE WITH THE CURRENTLY EFFECTIVE EDITION OF THE NEC AS ADOPTED BY THE LOCAL JURISDICTION INCLUDING ANY LOCAL AMENDMENTS, AS WELL AS COMPLY WITH ANY APPLICABLE FEDERAL AND STATE REGULATIONS.
- FOR QUALITY ASSURANCE, ALL EQUIPMENT SHALL BE UL LISTED AND APPROVED. ALSO, PERFORM WORK IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CONTRACTOR ASSOCIATION (NECA) "STANDARD OF INSTALLATION".
- "FURNISH" SHALL BE DEFINED AS TO SUPPLY AND DELIVER TO THE PROJECT SITE, READY FOR UNLOADING, UNPACKING, ASSEMBLY, INSTALLATION AND SIMILAR OPERATIONS. "INSTALL" SHALL BE DEFINED AS WORK WHICH INCLUDES THE ACTUAL UNLOADING, UNPACKING, ASSEMBLY, INSTALLATION AND SIMILAR OPERATIONS. "PROVIDE" SHALL BE DEFINED AS TO FURNISH AND INSTALL, COMPLETE AND READY FOR THE INTENDED USE. "WIRING" SHALL BE DEFINED TO BE ALL INCLUSIVE OF RACEWAYS, CONDUCTORS, JUNCTION BOXES, SAFETY SWITCHES AND MAKING FINAL CONNECTIONS.
- FOR DURATION OF CONTRACT, MAINTAIN A SEPARATE SET OF CONTRACT DRAWINGS. RECORD WORK COMPLETED AND ALL CHANGES. INCLUDE ACTUAL LOCATION OF EXISTING UTILITIES IF THEY DIFFER FROM DESIGN DOCUMENTS. UNDERGROUND AND UTILITY WORK SHALL BE LOCATED BY DISTANCES TO LANDMARKS, SUCH AS BUILDING FOUNDATIONS. GIVE ACTUAL DIMENSIONS OF EVERYTHING INSTALLED INCLUDING ELEVATIONS AND ELEVATIONS AT EACH CHANGE IN DIRECTION. DRAWINGS SHALL SHOW RECORD CONDITION OF DETAILS, SECTIONS, RISER DIAGRAMS AND CORRECTIONS TO SCHEDULES. PROVIDE A MINIMUM OF ONE (1) SET OF RECORD DRAWINGS TO ARCHITECT OR OWNER. THESE DRAWINGS SHALL SHOW EXACT EQUIPMENT LOCATIONS.
- ELECTRICAL DRAWINGS ARE DIAGRAMMATIC. SIZE AND LOCATION OF EQUIPMENT AND WIRING ARE SHOWN TO SCALE WHERE POSSIBLE, BUT MAY BE DISTORTED FOR CLARITY ON THE DRAWINGS.
- IT IS NOT INTENDED THAT THE PLANS INDICATE ALL THE NECESSARY BENDS, OFFSETS, PULL BOXES AND OBSTRUCTIONS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO INSTALL THEIR WORK TO CONFORM TO THE STRUCTURE, MAINTAIN HEADROOM AND KEEP OPENINGS AND PASSAGEWAYS CLEAR. REFER TO THE ARCHITECTURAL DRAWINGS FOR DIMENSIONS.
- VERIFY LOCATIONS OF ALL ELECTRICAL EQUIPMENT WITH ARCHITECTURAL DRAWINGS AND INTERIOR DETAILS AND FINISHES. IN CENTERING OUTLETS AND LOCATING BOXES AND OUTLETS, ALLOW FOR OVERHEAD PIPES, DUCTS, AND MECHANICAL EQUIPMENT, VARIATIONS IN FIREPROOFING AND PLASTERING, WINDOW AND DOOR TRIM, PANELING, HUNG CEILINGS AND THE LIKE, AND CORRECT ANY INACCURACY RESULTING FROM FAILURE TO DO SO WITHOUT EXPENSE TO THE OWNER.
- CHECK ARCHITECTURAL AND MECHANICAL DRAWINGS AND SPECIFICATIONS FOR EQUIPMENT TO BE INSTALLED BY OTHERS. BE RESPONSIBLE FOR PROPER WIRING AND NECESSARY ELECTRICAL ADJUSTMENTS TO EQUIPMENT TO CONFORM TO SPECIFIED REQUIREMENTS OF THE EQUIPMENT.
- ALL COMPONENTS SHOWN ON PLANS WHETHER OR NOT ON RISER DIAGRAMS AND VICE VERSA SHALL BE CONSIDERED INCLUDED UNDER CONTRACT WORK.
- TEST FOR GROUNDS AND SHORTS, TO INSURE PROPER OPERATION OF ELECTRICAL EQUIPMENT. REPAIR OR REPLACE FAULTY EQUIPMENT AT NO ADDITIONAL COST TO THE OWNER.
- NO MORE THAN THREE CURRENT CARRYING CONDUCTORS SHALL BE INSTALLED WITHIN RACEWAYS UNLESS DERATING FACTORS IN NEC ARTICLE 310 ARE APPLIED.
- INSTALL BLACK PHENOLIC NAMEPLATES WITH WHITE ENGRAVED DESIGNATIONS FOR PANELBOARDS, PANELBOARD FEEDER DEVICES, JUNCTION BOXES, AND PULL BOXES.
- TEMPORARY ELECTRICAL SERVICE, LIGHTING, AND RELATED WIRING SHALL BE PROVIDED IN ACCORDANCE WITH OSHA REQUIREMENTS FOR THE USE OF ALL TRADES DURING CONSTRUCTION. TEMPORARY POWER MAY BE EXTENDED FROM THE OWNERS EXISTING ELECTRICAL SERVICE. THE POINT OF CONNECTION AND METHOD OF EXTENSION SHALL BE APPROVED BY THE OWNER. DEMOLITION OF EXISTING ELECTRICAL EQUIPMENT IS A PART OF THE ELECTRICAL WORK AND IS DESCRIBED ON THE DRAWINGS.
- PROVIDE LUMINAIRES AS SHOWN ON THE ELECTRICAL AND ARCHITECTURAL DRAWINGS. VERIFY EXACT LOCATIONS OF LUMINAIRES WITH ARCHITECTURAL REFLECTED CEILING PLANS. COORDINATE FIXTURE HOUSINGS AND TRIMS WITH CEILING TYPE. PROVIDE REQUIRED ACCESSORIES FOR CEILING TYPES.
- WHERE MULTIPLE DEVICES ARE INDICATED IN A COMMON LOCATION, GANG INTO A SINGLE COVER PLATE. COLORS OF ALL WIRING DEVICES AND ASSOCIATED COVERPLATES SHALL BE PER ARCHITECT'S DIRECTIONS EXCEPT FOR EMERGENCY DEVICES.
- ELECTRICAL AND FIRE ALARM WIRING SHALL BE SUPPORTED INDEPENDENTLY; IT SHALL NOT BE RUN WITH OR SUPPORTED BY PIPING OR PIPING SUPPORTS INSTALLED FOR OTHER TRADES.
- DISCONNECT AND REMOVE ALL TEMPORARY POWER INCLUDING BUT NOT NECESSARILY LIMITED TO PANELS, LUMINAIRES, BOXES, AND WIRING. CLEAN UP RESULTANT DEBRIS FROM THIS WORK AND REMOVE FROM THE SITE.
- RACEWAYS SHALL BE FLEXIBLE METALLIC CONDUIT (FMC) FROM OUTLET BOX TO RECESSED LUMINAIRES IN SUSPENDED CEILINGS.
- CONNECT RACEWAYS TO MOTOR TERMINAL BOXES WITH FLEXIBLE CONDUIT. MINIMUM 18" LENGTH AND 50% SLACK. DO NOT TERMINATE IN OR FASTEN RACEWAYS TO MOTOR FOUNDATIONS.

- DATA OUTLETS SHALL BE INSTALLED IN 4" SQUARE BOXES, 2-1/8" MINIMUM DEPTH WITH COVER PLATE. EXTEND 1" CONDUIT WITH PULL WIRE 6" ABOVE ACCESSIBLE CEILING. TERMINATE WITH INSULATED THROAT BUSHING.
- PROVIDE ALL CUTTING AND PATCHING WHICH MAY BE REQUIRED FOR THE PROPER INSTALLATION OF THE NEW ELECTRICAL WORK. ALL PATCHING SHALL BE OF THE SAME MATERIALS, WORKMANSHIP, AND FINISH AND SHALL ACCURATELY MATCH ALL ADJACENT WORK.
- RACEWAYS SHALL BE INSTALLED CONCEALED IN FINISHED AREAS, UNLESS OTHERWISE NOTED ON THE DRAWINGS.
- SWITCHES SHALL BE RATED FOR 20 AMPS AND 120/277 VOLTS EXCEPT WHERE NOTED OTHERWISE. ALL RECEPTACLES AND SWITCHES SHALL BE SPECIFICATION GRADE. COLORS SHALL BE DETERMINED BY THE ARCHITECT.
- 20 AMP, 120 VOLT BRANCH CIRCUITS TOTALING LESS THAN 100 FEET IN LENGTH SHALL BE #12 AWG., THOSE GREATER THAN 100 FEET SHALL BE #10 AWG. OR LARGER TO ALLOW FOR VOLTAGE DROP.
- ALL WIRING SHALL BE IDENTIFIED BY CIRCUIT NUMBERS IN ALL CABINETS, BOXES, WIRING TROUGH, ENCLOSURES, SPLICE OR TERMINATION POINTS, ETC.
- ALL BRANCH CIRCUITS SHALL BE PROTECTED WITH BOLT-ON TYPE CIRCUIT BREAKERS UON. CIRCUIT BREAKERS SERVING HVAC LOADS SHALL BE "HACR" RATED AND THOSE SWITCHING LIGHTING LOADS SHALL BE SWITCH DUTY RATED.
- ALL OUTLET BOXES SHALL BE CODE GAUGE, GALVANIZED, STAMPED STEEL AND SHALL BE 4" SQUARE x 2-1/8" DEEP MINIMUM, UNLESS WALL CONSTRUCTION DICTATES OTHERWISE. PROVIDE WITH PLASTER RINGS, GANGS AS REQUIRED, WITH SQUARE CORNERED DEVICE COVERS AND DEPTH EQUAL TO THE DRYWALL THICKNESS. SECTIONAL BOXES ARE NOT ACCEPTABLE.
- PROVIDE NEMA RATED, ACCESSIBLE, SCREW COVER, PULL BOXES IN CONDUIT RUNS LONGER THAN 100 FEET AND AS REQUIRED TO LIMIT NUMBER OF BENDS TO 270 DEGREES TOTAL. SIZE PULL BOXES IN ACCORDANCE WITH NEC.
- ALL DISCONNECT SWITCHES SHALL BE RATED "HEAVY DUTY". SWITCHES SHALL BE ACCESSIBLE AND MOUNTED SUCH THAT DOOR HINGE OPENS AT LEAST 90 DEGREES WITHOUT OBSTRUCTION.
- PROVIDE NEW TYPE WRITTEN DIRECTORIES FOR ALL PANELS INSTALLED OR MODIFIED UNDER THIS CONTRACT.
- VERIFY EQUIPMENT FAULT CURRENT INTERRUPTING CAPACITY REQUIREMENTS PRIOR TO ORDERING ANY RELATED ELECTRICAL DISTRIBUTION EQUIPMENT. PROVIDE COPY OF POWER COMPANY'S CALCULATED MAXIMUM AVAILABLE FAULT CURRENT TO ENGINEER FOR REVIEW AND APPROVAL.
- TOGGLE SWITCHES SHALL BE LOCATED AT OR NEAR DOORS. INSTALL SWITCHES ON SIDE OPPOSITE HINGE. VERIFY FINAL DOOR HINGE LOCATION IN FIELD PRIOR TO INSTALLATION.
- LOCATIONS FOR WIRING DEVICES SHALL BE SUBJECT TO MODIFICATIONS PRIOR TO ROUGH-IN AT NO ADDITIONAL COST TO OWNER.
- HEIGHT OF WIRING DEVICES ARE DEFINED FROM FINISHED FLOOR TO CENTERLINE OF DEVICE AS PER ARCHITECTURAL DRAWINGS, EXCEPT JUNCTION OF DIFFERENT WALL FINISH MATERIALS, MOLDINGS, BREAKS IN WALL SURFACE, MASONRY, GROUT LINES, OR WHERE IN VIOLATION OF CODE.
- PROVIDE AN INSULATED GROUNDING CONDUCTOR INSTALLED WITH EACH FEEDER AND EACH BRANCH CIRCUIT, IN ALL CONDUITS WHETHER OR NOT INDICATED ON DRAWINGS. GROUNDING CONDUCTORS SHALL BE AS SHOWN ON DRAWINGS OR SIZED IN ACCORDANCE WITH NEC. PROVIDE GROUNDING CONDUCTOR IN ALL TELEPHONE AND CATV SERVICE CONDUITS.
- PROVIDE REQUIRED EXPANSION/DEFLECTION FITTINGS AT LOCATIONS WHERE CONDUIT PASSES THROUGH EXPANSION JOINTS.
- PROVIDE 24" MINIMUM HORIZONTAL SEPARATION BETWEEN OUTLET BOXES INSTALLED ON OPPOSITE SIDES OF A COMMON WALL SO AS TO MAINTAIN ACOUSTICAL INTEGRITY OF WALL AND FIRE RATING. PROVIDE UL LISTED FIRE RATED SEALS FOR ALL RACEWAY PENETRATIONS THROUGH FIRE RATED WALLS, SLABS, AND CEILINGS IN ACCORDANCE WITH NEC 300.21. PROPOSED FIRE-STOP MATERIAL AND SYSTEM SHALL BE SUBMITTED TO THE LOCAL FIRE INSPECTOR FOR AHJ APPROVAL PRIOR TO INSTALLATION.

EQUIPMENT

SYMBOL	DESCRIPTION
	JUNCTION AND/OR PULL BOX.
	DISCONNECT SWITCH, UNFUSED.
	DISCONNECT SWITCH, FUSED.
	CONNECTION TO MOTOR





WIRING DEVICES

SYMBOL	DESCRIPTION
	125 VOLT, 2 POLE, 3 WIRE, 20 AMP., DUPLEX RECEPTACLE. SHADED CENTER INDICATES ABOVE COUNTER MOUNTING. "2" INDICATES CIRCUIT NUMBER.
	125 VOLT, 2 POLE, 3 WIRE, 20 AMP., DUPLEX RECEPTACLE. SHADED SIDE INDICATES TOP HALF SWITCHED RECEPTACLE.
	125 VOLT, 2 POLE, 3 WIRE, 20 AMP., DUPLEX RECEPTACLE. EQUIPPED WITH INTEGRAL GROUND FAULT INTERRUPTER. SHADED CENTER INDICATES ABOVE COUNTER MOUNTING.
	125 VOLT, 2 POLE, 3 WIRE, 20 AMP., DUPLEX RECEPTACLE. SHADED CENTER INDICATES ABOVE COUNTER MOUNTING. PROVIDE WITH PERMANENT LABEL: "GFCI PROTECTED".
	DOUBLE DUPLEX (QUAD) RECEPTACLES.
	SINGLE POLE TOGGLE SWITCH. "b" DENOTES SWITCH CONTROL.
	THREE WAY TOGGLE SWITCH.
	LUTRON NOVA "T" SERIES DIMMER, RATED FOR 1000 WATTS ON INCANDESCENT CIRCUITS AND RATED 16 AMPS ON FLUORESCENT CIRCUITS.
	SINGLE POLE, OCCUPANCY SENSOR TYPE WALL SWITCH.
	LOW VOLTAGE SWITCH FOR 'MANUAL ON' FUNCTION IN COMBINATION WITH VACANCY SENSORS.
	CEILING MOUNTED OCCUPANCY (VACANCY) SENSOR, PROGRAMMED FOR MANUAL ON VIA LOW VOLTAGE SWITCH, AUTO OFF WHEN NO MOTION IS DETECTED FOR A PREDETERMINED AMOUNT OF TIME..
	CABLE TV OUTLET. COORDINATE LOCATION WITH OWNER.
	SECURITY LUMINAIRE, POWERED PRIOR TO ALL SWITCHING AND CONTROLS.





LUMINAIRE NOTES:

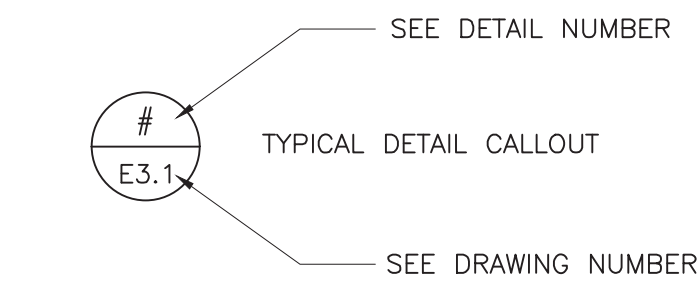
- THE ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL ALL LUMINAIRES COMPLETE WITH ALL MOUNTING ACCESSORIES REQUIRED TO MEET JOB CONDITIONS.
- THE ELECTRICAL CONTRACTOR SHALL VERIFY FIXTURE MOUNTING AND LOCATION AGAINST PLANS, ELEVATIONS AND DETAIL DRAWINGS. EXACT LOCATIONS OF ALL LUMINAIRES SHALL BE CONFIRMED WITH THE ARCHITECT PRIOR TO ROUGHING-IN.
- ALL LUMINAIRES SHALL BE SUPPORTED FROM THE BUILDING STRUCTURE, INDEPENDENT OF HUNG CEILINGS.
- ALL LUMINAIRES ARE TO BE 3500K, UNLESS OTHERWISE SPECIFIED.
- ALL CEILING AND WALL MOUNTED OCCUPANCY SENSORS SHALL BE WIRED AHEAD OF ANY WALL SWITCHES.
- COORDINATE WITH MECHANICAL CONTRACTOR. PROVIDE PLENUM RATED WIRING WHERE RUN ABOVE DROPPED CEILINGS WHEN USED AS AIR PLENUMS.

CIRCUITRY, RACEWAYS AND FEEDERS

SYMBOL	DESCRIPTION
	HOMERUN TO PANEL "PP1", POLE 37, VIA 1 POLE C/B. EACH 120 VOLT CIRCUIT SHALL HAVE A DEDICATED NEUTRAL AND SEPARATE GROUNDING CONDUCTOR.
	HOMERUN TO PANEL "BP2", POLES 7 & 9 VIA 2 POLE CIRCUIT BREAKER.
	HOMERUN TO PANEL "MDP", POLES 2, 4 & 6 VIA 3 POLE CIRCUIT BREAKER.
	TYPICAL EQUIPMENT TAG. PROVIDE WIRING, DEVICES AND CONNECTIONS AS SHOWN ON EQUIPMENT CONNECTION SCHEDULE ON DRAWING E-003.

COMMUNICATION DEVICES

SYMBOL	DESCRIPTION
	WALL MOUNTED DATA OUTLET.
	TELEPHONE OUTLET.
	WALL MOUNTED COMBINATION TELE/DATA OUTLET.
	CABLE TV OUTLET. COORDINATE LOCATION WITH OWNER.



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LEGENDS,
NOTES, &
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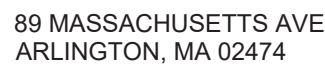
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ELECTRICAL SCHEDULES

[illegible]

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<

PANELBOARD SCHEDULE: KP1

VOLTAGE: ☐ 480Y/277V, 3 PHASE, 4 WIRE

AMPS: ☐ 100A ☐ 225A ☒ 400A ☐

MAINS: ☒ MLO ☐ MCB ☐

MOUNTING: ☒ SURFACE ☐ FLUSH

BUSSING: ☒ COPPER ☐ ALUMINUM

☒ 120/208V, 3 PHASE, 4 WIRE

☐

☐

TUB:

LUGS:

NEUTRAL BUS:

GROUND BUS:

☒ SINGLE ☐ DOUBLE

☐ FEED THROUGH ☐ SUB - FEED

☒ 100% ☐ 200%

☒ EQUIPMENT ☐ ISOLATED:

☐ 10 KAIC ☐ 14KAIC ☒ 22KAIC ☐ 35 KAIC ☐ 65 KAIC

☐ KAIC

LOAD DESCRIPTION

LOAD KVA

CIRCUIT BREAKER TYPE AMP/POLE

CKT. NO.

Ø

CKT. NO.

CIRCUIT BREAKER AMP/POLE

LOAD KVA

LOAD DESCRIPTION

SPARE

STD

15/3

KITCHEN EXHAUST FAN

SPARE

STD

15/3

SPARE

RCPT: OVER COUNTER

STD

20/1

13

A

14

20/1

STD

ANSUL SYSTEM

RCPT: OVER COUNTER

STD

20/1

15

B

16

20/1

STD

KITCHEN EXHAUST HOOD

RCPT: REFRIGERATOR

STD

20/1

17

C

18

20/1

STD

SPARE

RCPT: OVER COUNTER

STD

20/1

19

A

20

20/1

STD

SPARE

RCPT: OVER COUNTER

STD

20/1

21

B

22

20/1

STD

SPARE

RCPT: UNDER COUNTER FREEZER

STD

20/1

23

C

24

15/1

STD

SPARE

SPARE

STD

20/1

25

A

26

15/1

STD

SPARE

SPARE

STD

20/1

27

B

28

15/1

STD

SPARE

SPACE

STD

29

C

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SPD

SPD

STD

39

B

40

STD

SPD

SPD

STD

41

C

42

STD

SPD

SUB TOTAL A

KVA

SUB TOTAL B

KVA

SUB TOTAL C

KVA

TOTALA & B & C

KVA

MINIMUM PANEL SIZE

AMPS

FEEDER (AMPS X 1.25)

AMPS

NOTES

1. PROVIDE ENGRAVED PHENOLIC TAG ON FRONT TRIM WITH PANELBOARD NAME, SECTION NUMBER, VOLTAGE, AND SOURCE.

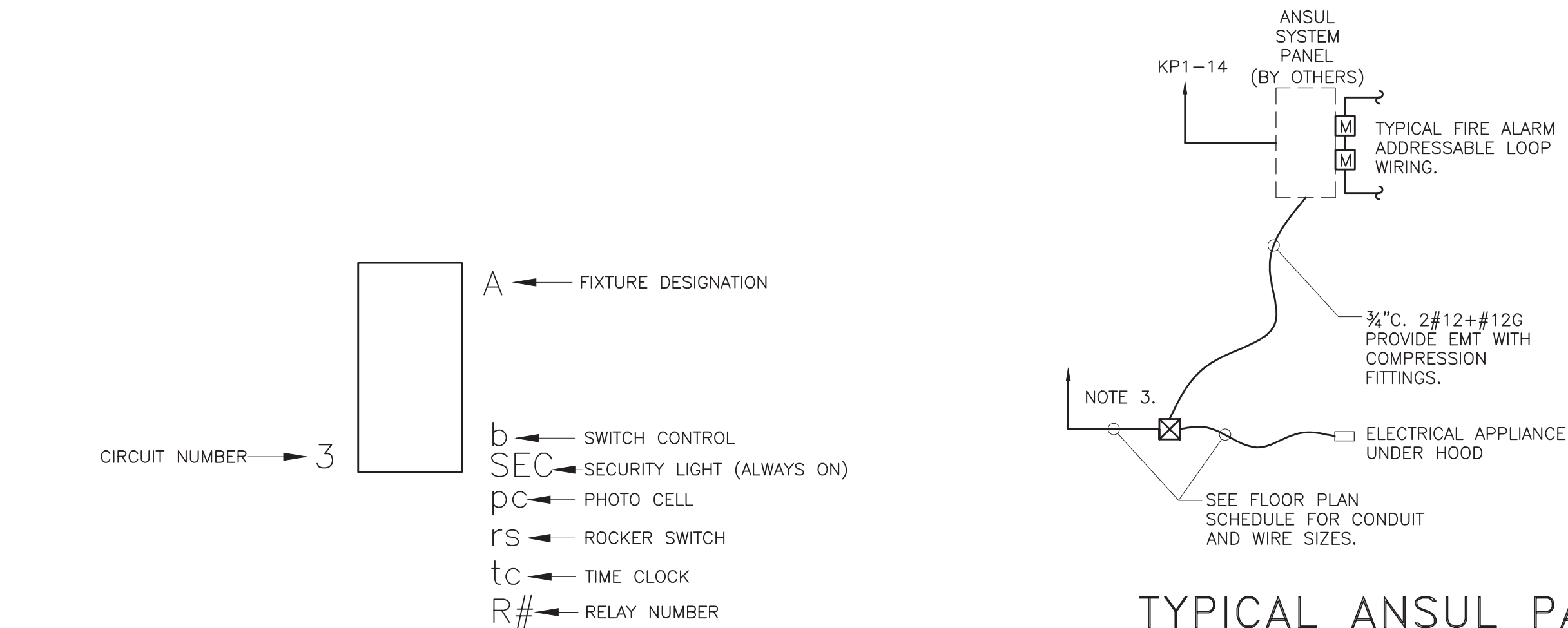
2. PROVIDE ARC FLASH WARNING SIGN AND LEGEND OF CONDUCTOR COLOR CODING ON INSIDE OF DOOR BENEATH ABOVE CIRCUIT DIRECTORY. PLACE ON OUTSIDE OF PANEL DOOR WHEN LOCATED IN UTILITY SPACES.

3. PROVIDE BUS INTEGRATED SPD UNIT.

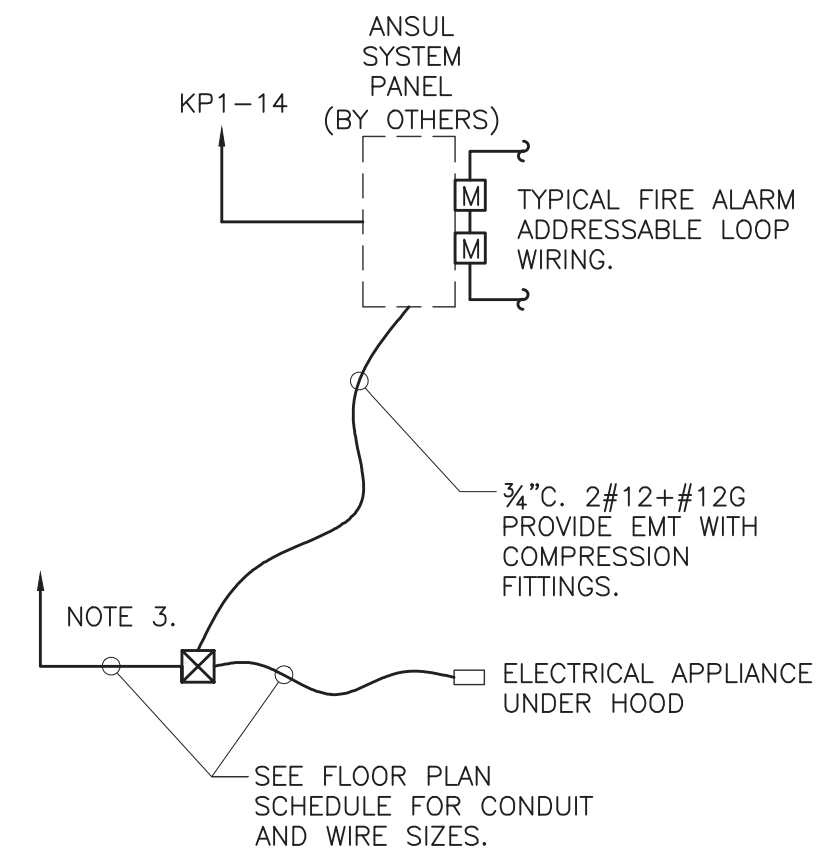
MECHANICAL EQUIPMENT CONNECTION SCHEDULE												
TAG	DESCRIPTION	LOAD				CIRCUIT WIRING	SOURCE	DISCONNECT SWITCH				REMARKS
		kVA	HP	VOLT	PH			RATING	POLES	FUSING	NEMA	
ACC 1	AIR COOLED CONDENSER	—	—	208	1	3/4"C. 2#12 + #12G.	PP1	30A	2	NOTE 3	3R	—
ACC 2	AIR COOLED CONDENSER	—	—	208	1	3/4"C. 2#12 + #12G.	PP2	30A	2	NOTE 3	3R	—
ACC 3	AIR COOLED CONDENSER	—	—	208	1	3/4"C. 2#12 + #12G.	PP2	30A	2	NOTE 3	3R	—
ACC 4	AIR COOLED CONDENSER (FUTURE)	—	—	208	1	—	—	—	—	—	—	—
ACC 5	AIR COOLED CONDENSER	—	—	208	1	3/4"C. 2#12 + #12G.	PP1	30A	2	NOTE 3	3R	—
AHU 1	AIR HANDLING UNIT	—	—	120	1	3/4"C. 2#12 + #12G.	PP1	30A	2	NOTE 3	1	—
AHU 2	AIR HANDLING UNIT	—	—	120	1	3/4"C. 2#12 + #12G.	PP1	30A	2	NOTE 3	1	—
AHU 3	AIR HANDLING UNIT	—	—	120	1	3/4"C. 2#12 + #12G.	PP1	30A	2	NOTE 3	1	—
AHU 4	AIR HANDLING UNIT (FUTURE)	—	—	120	1	3/4"C. 2#12 + #12G.	—	—	—	—	—	—
AC 1	AIR CONDITIONER	—	—	208	1	3/4"C. 2#12 + #12G.	PP1	30A	2	NOTE 3	1	—
MOV 1	MOTORIZED DAMPER	—	—	120	1	3/4"C. 2#12 + #12G.	PP1	30A	2	NOTE 3	1	—
ERV 1	ENERGY RECOVERY UNIT	—	—	120	1	3/4"C. 2#12 + #12G.	PP1	30A	2	NOTE 3	—	—
ERV 2	ENERGY RECOVERY UNIT	—	—	120	1	3/4"C. 2#12 + #12G.	PP1	30A	2	NOTE 3	—	—
ERV 3	ENERGY RECOVERY UNIT	—	—	120	1	3/4"C. 2#12 + #12G.	PP1	30A	2	NOTE 3	—	—
KEH 1	KITCHEN EXHAUST HOOD	—	—	120	1	3/4"C. 2#12 + #12G.	KP1	30A	—	—	—	—
KEF 1	KITCHEN EXHAUST FAN	—	—	208	1	3/4"C. 2#12 + #12G.	KP1	30A	2	NOTE 3	—	—
WH 1	WATER HEATER	—	—	120	1	3/4"C. 2#12 + #12G.	PP1	30A	2	NOTE 3	1	—
B 1	BOILER	—	—	120	1	3/4"C. 2#12 + #12G.	PP1	30A	2	NOTE 3	1	—
BP 1	BOILER PUMP	—	—	120	1	3/4"C. 2#12 + #12G.	PP1	30A	2	NOTE 3	1	—
P 1	PUMP	—	—	208	1	3/4"C. 2#12 + #12G.	PP1	30A	2	NOTE 3	1	—
P 2	PUMP	—	—	208	1	3/4"C. 2#12 + #12G.	PP1	30A	2	NOTE 3	1	—
CP 1	CIRCULATION PUMP	—	—	120	1	3/4"C. 2#12 + #12G.	PP1	30A	2	NOTE 3	1	—
UH 1	UNIT HEATER	—	—	120	1	3/4"C. 2#12 + #12G.	PP1	30A	2	NOTE 3	1	—
UH 2	UNIT HEATER	—	—	120	1	3/4"C. 2#12 + #12G.	PP1	30A	2	NOTE 3	1	—

NOTES

- ALL HVAC UNIT STARTERS SHALL BE PROVIDED BY THE HVAC CONTRACTOR, INSTALLED AND WIRED BY THE ELECTRICAL CONTRACTOR.
- THE ELECTRICAL CONTRACTOR SHALL VERIFY EXACT LOCATIONS OF ALL HVAC EQUIPMENT AND ASSOCIATED STARTERS PRIOR TO ROUGH-IN.
- ALL DISCONNECT SWITCH FUSE SIZES SHALL BE FURNISHED TO THE ELECTRICAL CONTRACTOR BY THE MECHANICAL/PLUMBING/KITCHEN CONTRACTOR.
- COORDINATE WIRING BETWEEN SPLIT UNITS (E.G. AC-1a AND ACC-1) FOR CONTROL INTERLOCK; CONTROL WIRING INSTALLED BY HVAC CONTRACTOR. PROVIDE 1" EMPTY CONDUIT BETWEEN UNITS. PROVIDE POWER WIRING BETWEEN SPLIT UNITS (E.G. AC-1a AND ACC-1) COORDINATE WITH HVAC CONTRACTOR. PROVIDE 2 POLE TOGGLE SWITCH, FLUSH IN WALL AT EACH INDOOR UNIT.



4 TYPICAL LUMINAIRE DESIGNATIONS
SCALE: N/A

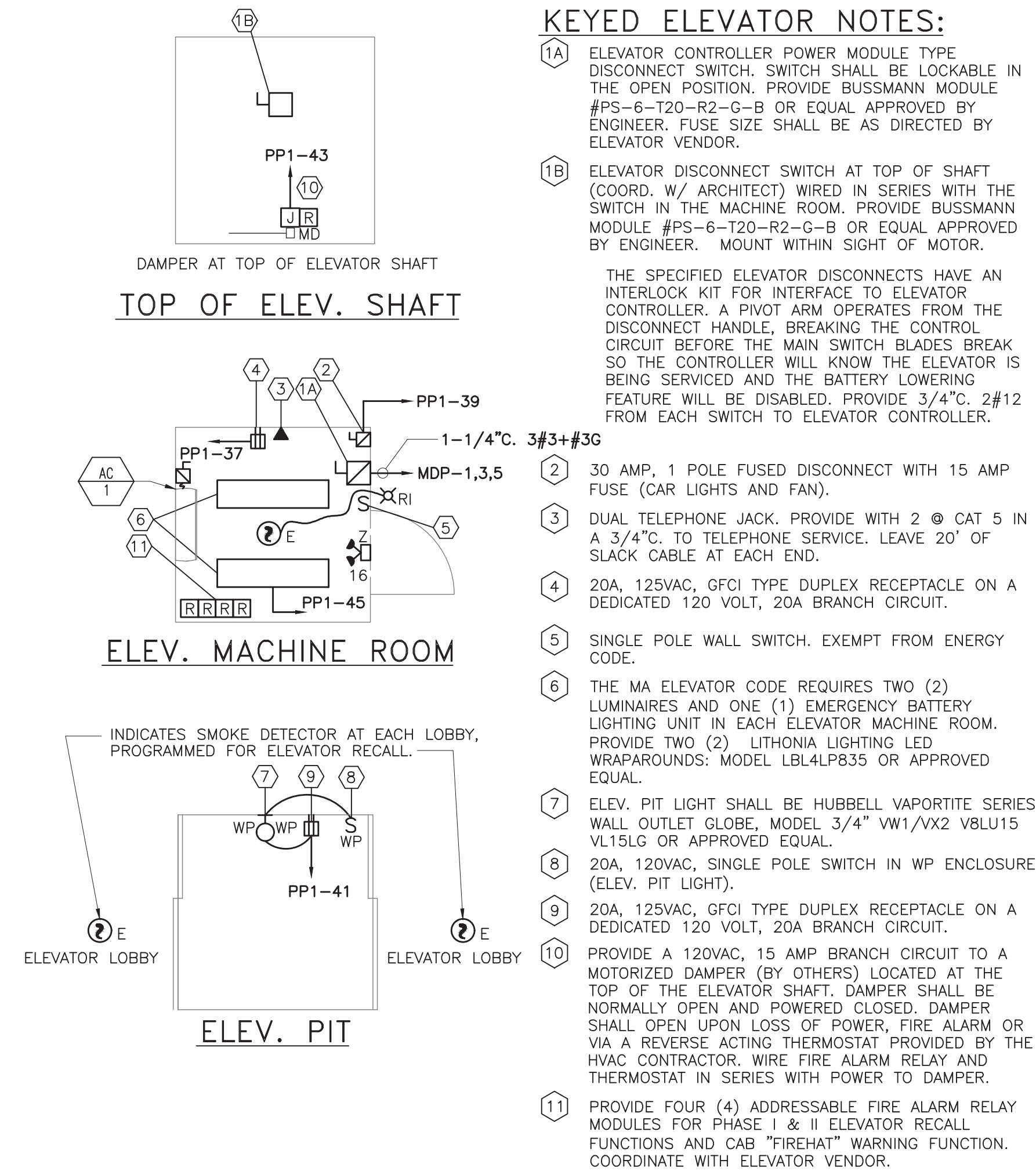


3 TYPICAL ANSUL PANEL WIRING WITH CONTACTOR SHUT-DOWN WIRING DETAIL
SCALE: N/A

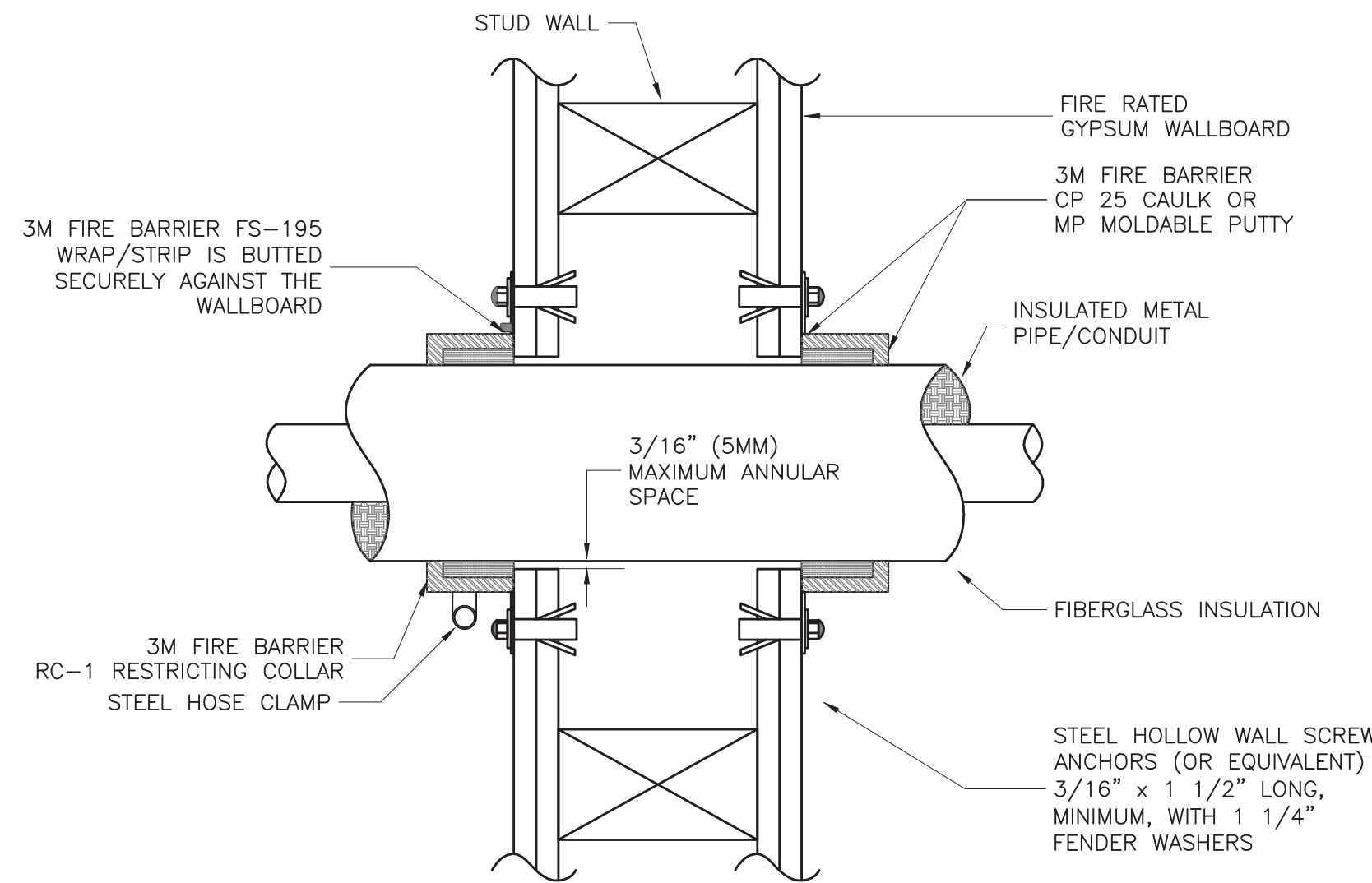
ANSUL SYSTEM NOTES:

THE ELECTRICAL CONTRACTOR SHALL PROVIDE POWER TO THE ANSUL PANEL AND THE CO ALARM PANEL (SEE CO ALARM WIRING DETAIL FOR THE CLOSING OF THE GAS VALVE(S)). THE CONTACTOR(S) SHALL SHUT OFF POWER TO ANY ELECTRIC COOKING EQUIPMENT UNDER THE HOOD VIA THE CONTACTOR WIRING DESCRIBED BELOW.

- PROVIDE ONE (1) 20 AMP, 120 VAC DEDICATED BRANCH CIRCUIT TO THE ANSUL PANEL (PANEL BY OTHERS).
- PROVIDE TWO FIRE ALARM SYSTEM MONITOR MODULES MOUNTED ADJACENT TO ANSUL PANEL WITH WIRING TO OUTPUT CONTACTS INSIDE ANSUL PANEL TO MONITOR BOTH ANSUL SYSTEM TROUBLE AND DISCHARGE (ALARM).
- PROVIDE CONTACTOR(S) LOCATED ADJACENT TO ANSUL PANEL. WHEN THE ANSUL PANEL GOES INTO ALARM THE CONTACTOR(S) SHALL INTERRUPT POWER TO ANY ELECTRICAL COOKING EQUIPMENT LOCATED UNDER THE HOOD.



2 TYPICAL ELEVATOR WIRING DETAILS
SCALE: N/A



1 FIRE STOP FOR THROUGH GYPSUM BOARD PENETRATION
SCALE: N/A

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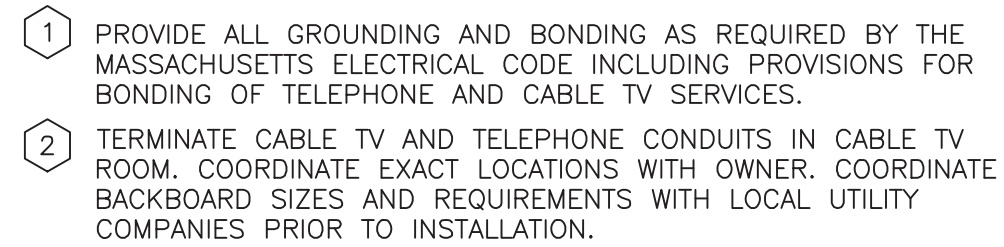
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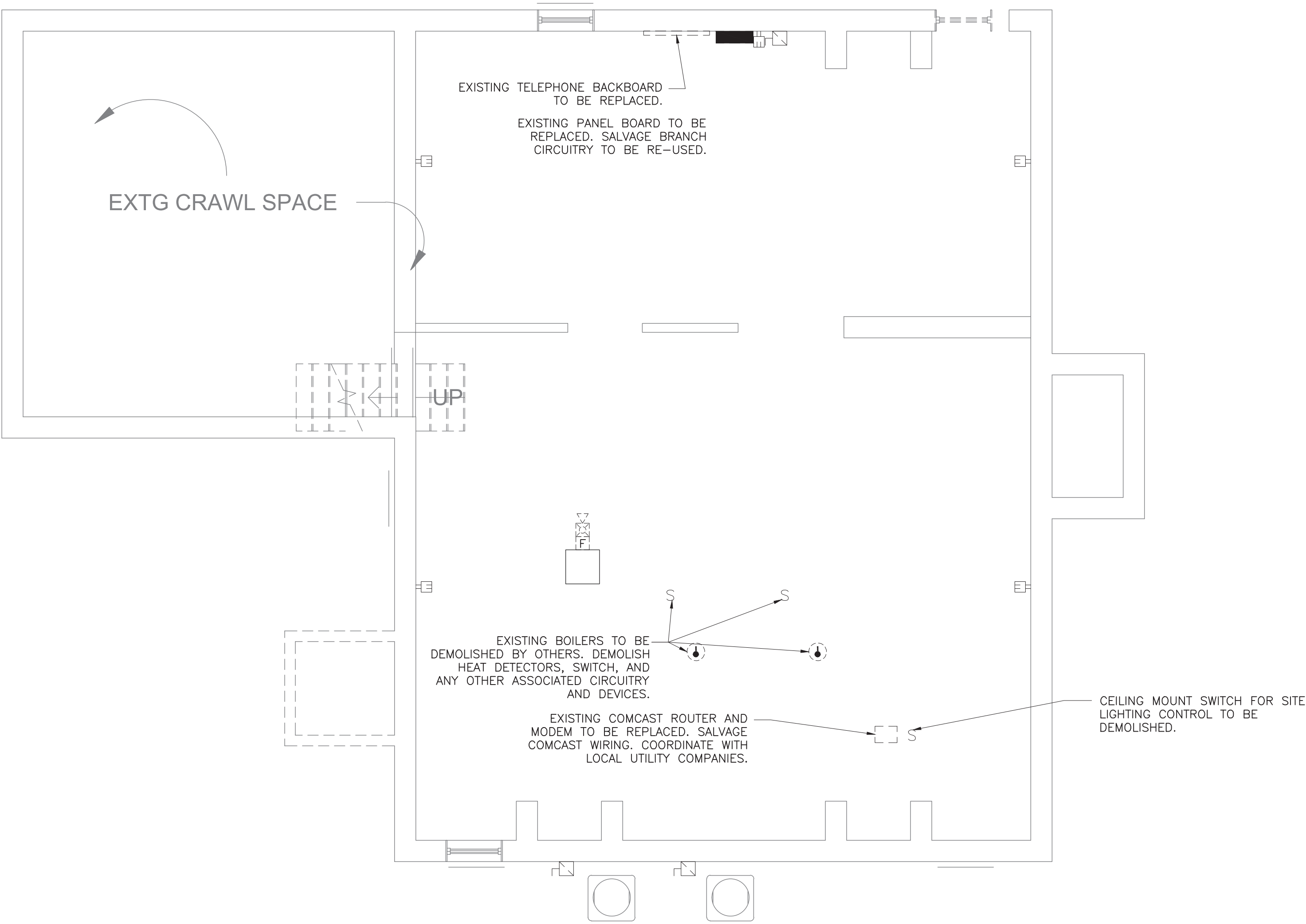


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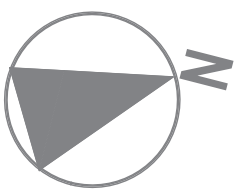


1 ELECTRICAL POWER RISER DIAGRAM



ELECTRICAL BASEMENT DEMOLITION PLAN

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



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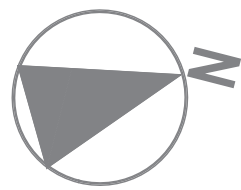
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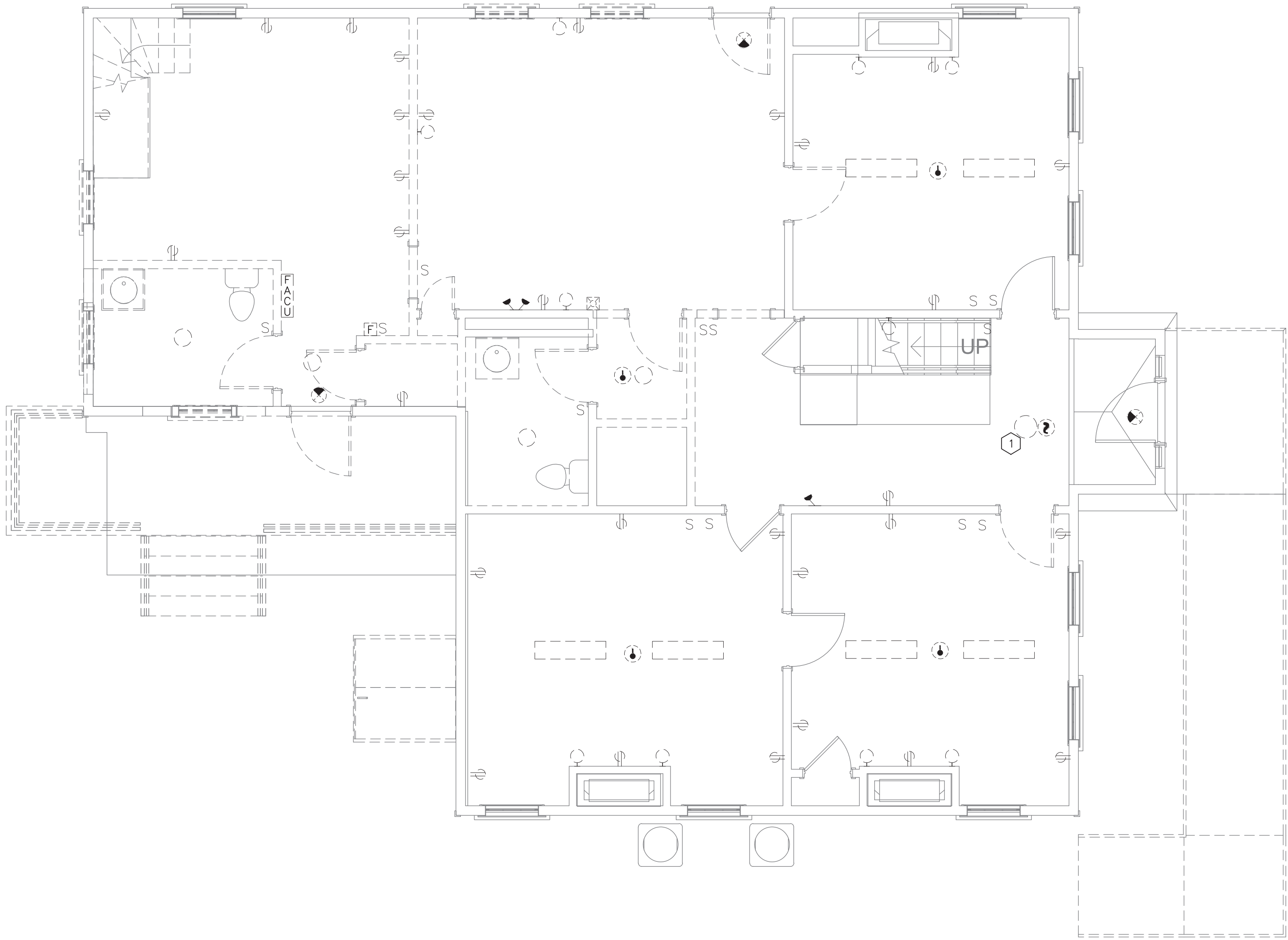
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KEYED DRAWING NOTES:

- 1 EXISTING CHANDELIER TO BE REMOVED AND RETURNED TO OWNER.



ELECTRICAL FIRST FLOOR DEMOLITION PLAN

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

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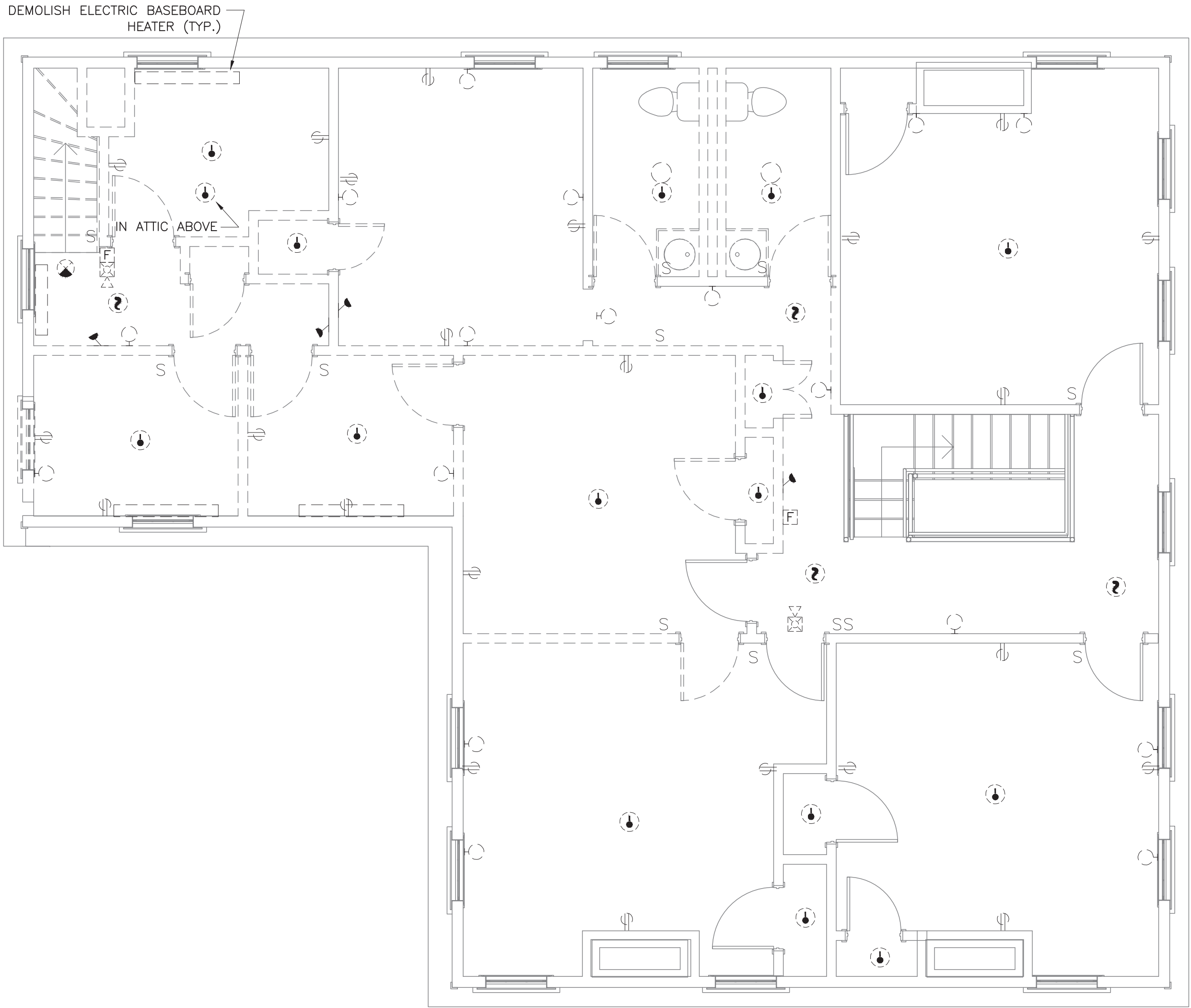
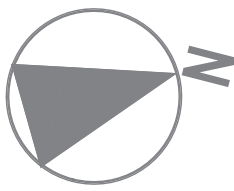
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ELECTRICAL SECOND FLOOR DEMOLITION PLAN
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FLOOR
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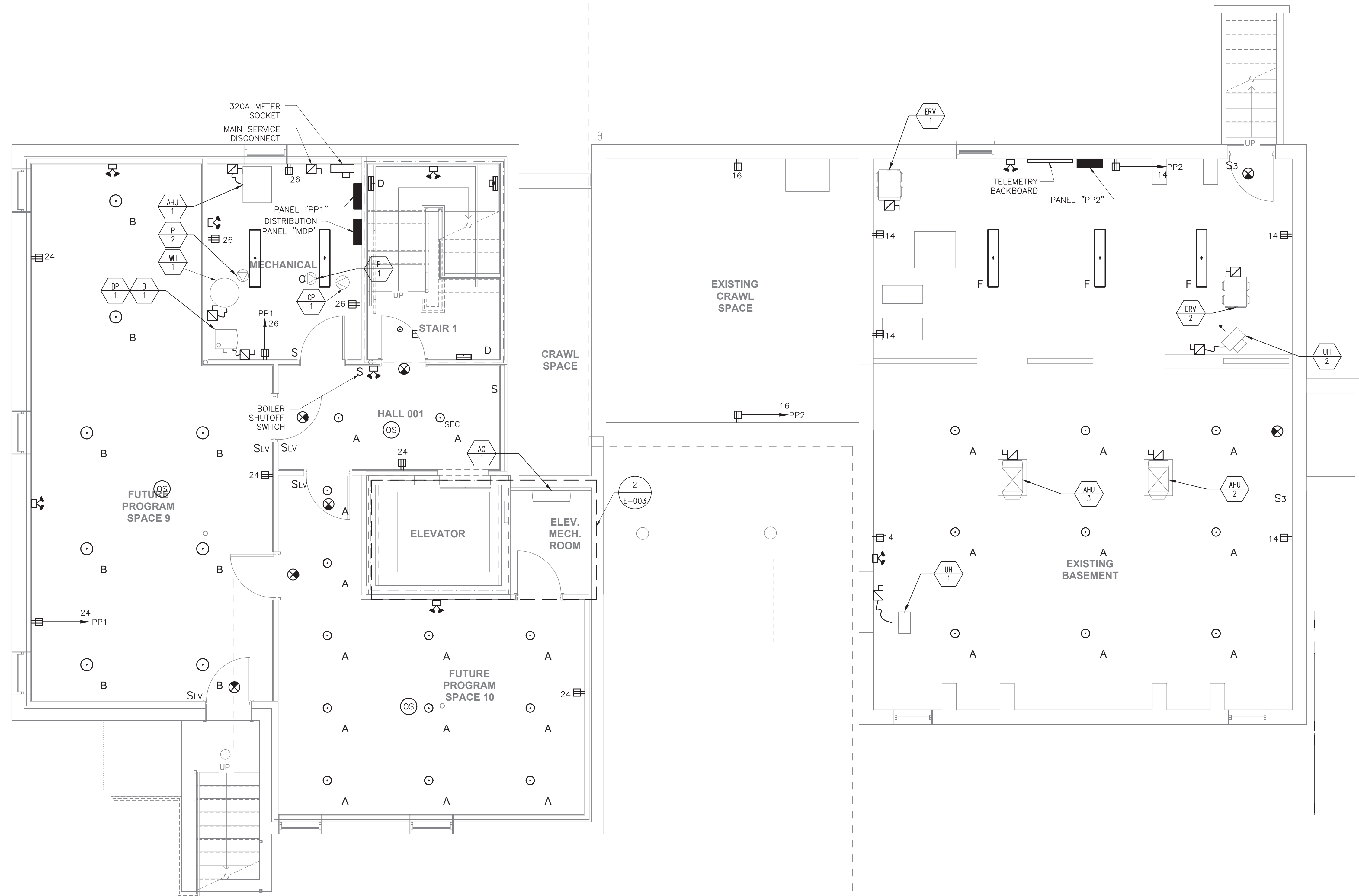
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ELECTRICAL BASEMENT NEW WORK PLAN
SCALE: 1/4" = 1'-0"

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**ELECTRICAL
BASEMENT
NEW WORK
PLAN**

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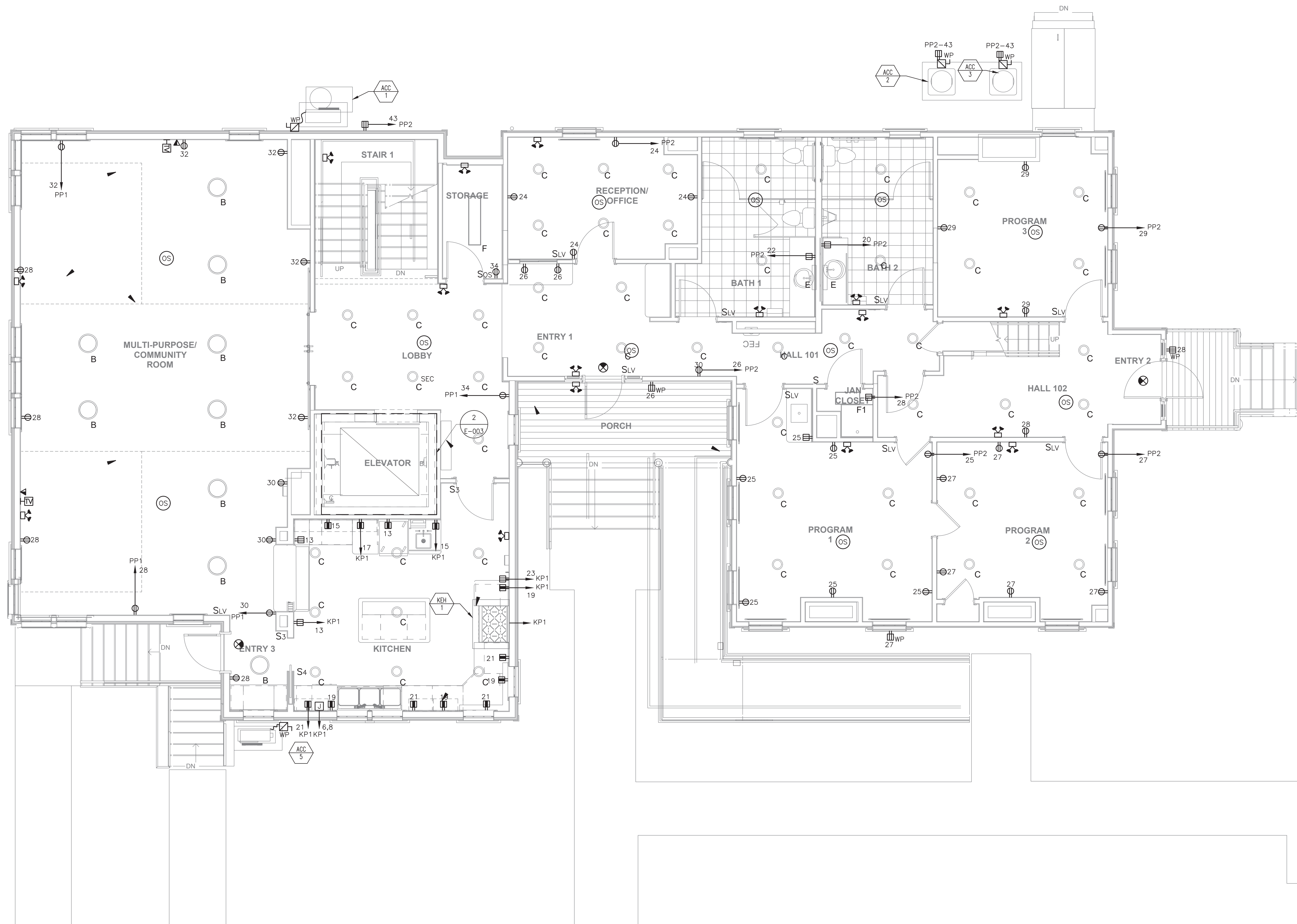
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ELECTRICAL FIRST FLOOR NEW WORK PLAN

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

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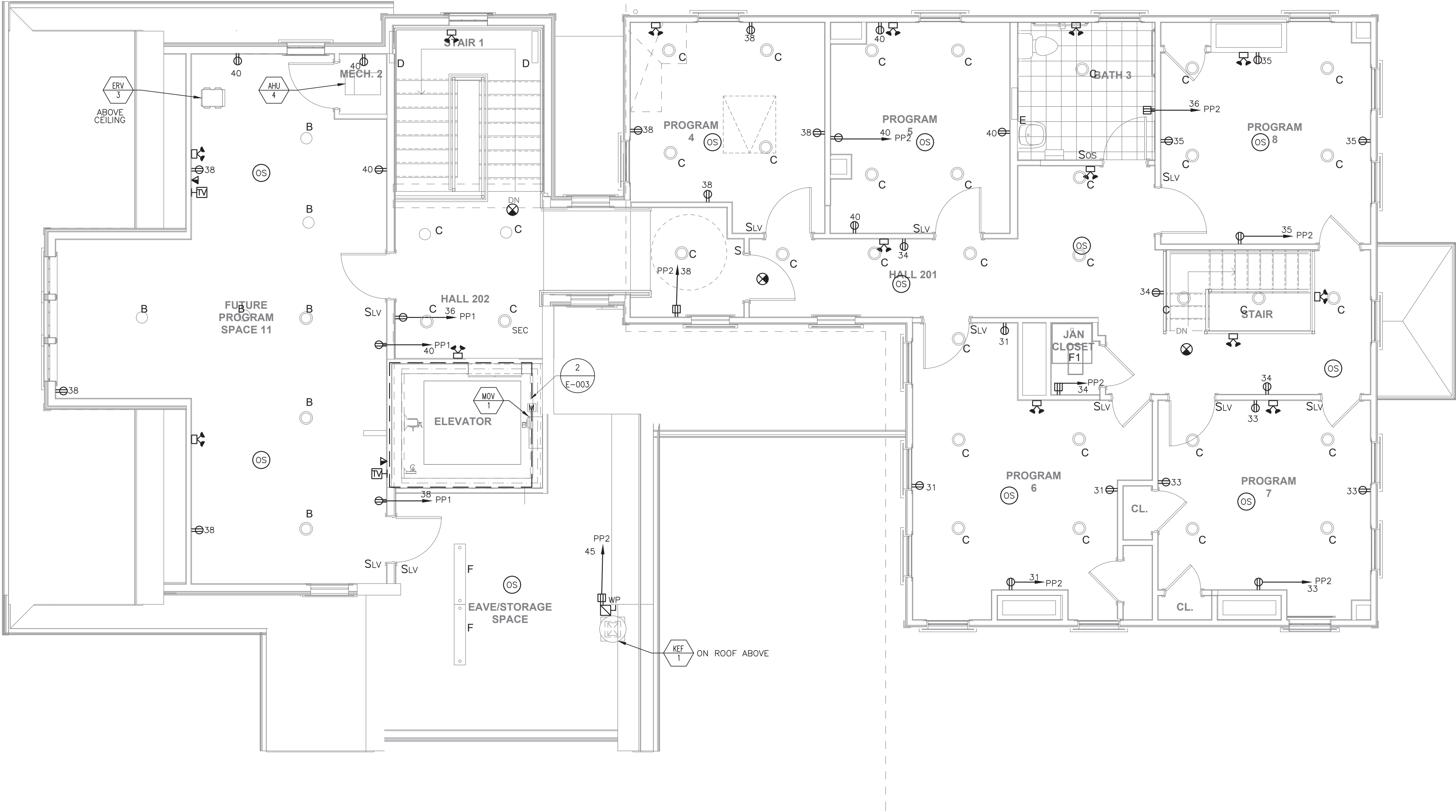
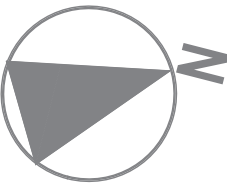
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KEYED DRAWING NOTES:

1 EXISTING CIRCUITRY TO BE RE-USED TO PROVIDE POWER TO NEW LIGHTING AND RECEPTACLES.



ELECTRICAL SECOND FLOOR NEW WORK PLAN

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

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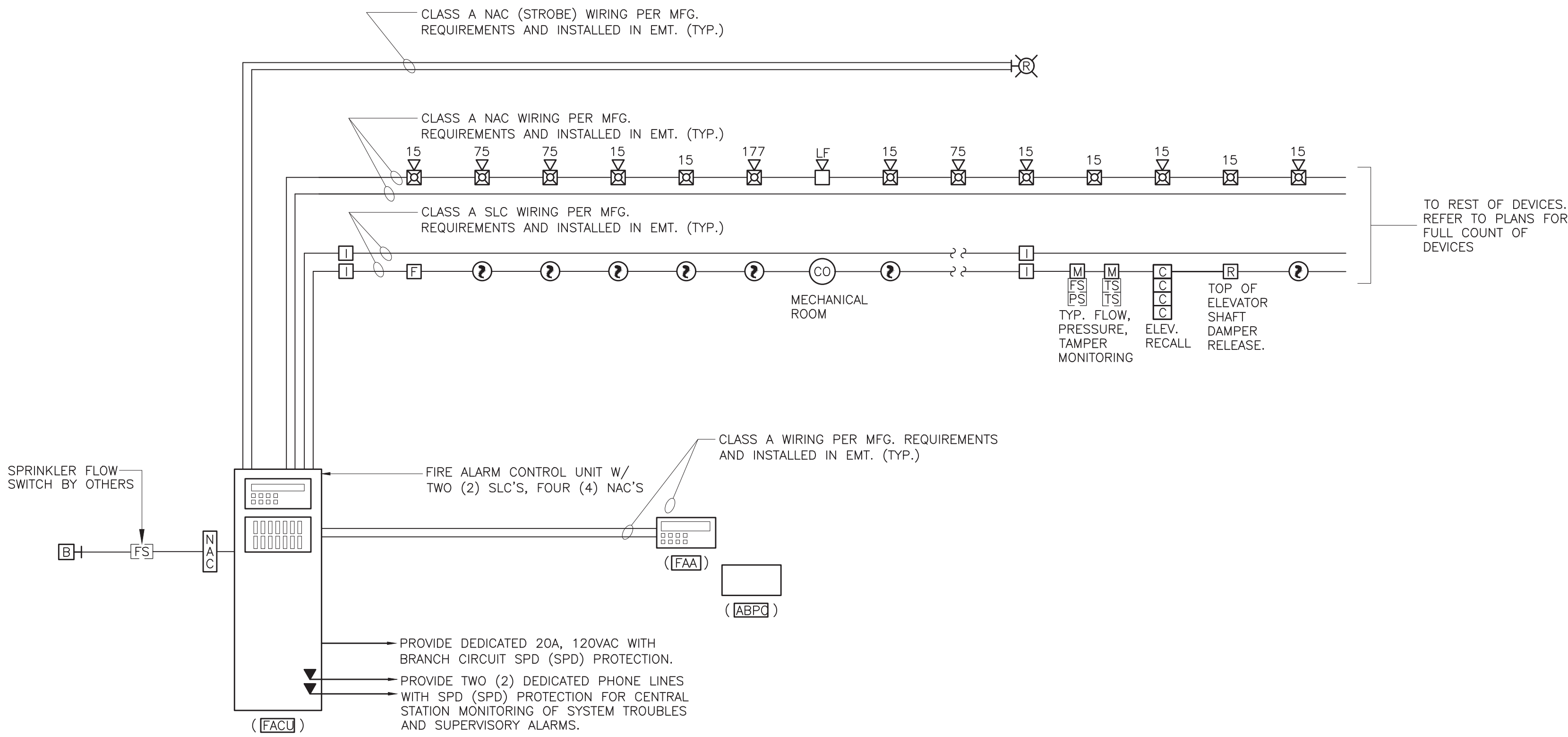
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1 TYPICAL FIRE ALARM RISER DIAGRAM DETAIL
NOT TO SCALE

FIRE ALARM SYMBOL LEGEND

SYMBOL	DESCRIPTION
[E]	ADDRESSABLE MANUAL PULL STATION. PROVIDE WITH "STH" STOPPER II COVERS OR APPROVED EQUAL.
[2]	ADDRESSABLE PHOTOELECTRIC SMOKE DETECTOR.
[11]	ADDRESSABLE PHOTOELECTRIC DUCT SMOKE DETECTOR.
[2]E	ADDRESSABLE PHOTOELECTRIC SMOKE DETECTOR PROGRAMMED FOR ELEVATOR RECALL.
[4]	HEAT DETECTOR. PROVIDE ADDRESSABLE TYPE ONLY WHERE NOT SUBJECT TO TEMPERATURE EXTREMES; IN THOSE CASES PROVIDE A CONVENTIONAL HEAT DETECTOR WIRED TO A MONITOR MODULE LOCATED IN A PROTECTED ENVIRONMENT.
[CO]	CARBON MONOXIDE DETECTOR WIRED TO FIRE ALARM SYSTEM SLC. REPORTS AS CO ALARM ONLY, DOES NOT SOUND GENERAL ALARM.
[FS]	PROVIDE WIRING AND CONNECTION TO SPRINKLER SYSTEM FLOW SWITCH. SWITCH PROVIDED BY F.P. CONTR.
[TS]	PROVIDE WIRING AND CONNECTION TO SPRINKLER SYSTEM TAMPER SWITCH. SWITCH PROVIDED BY F.P. CONTR.
[FS]	PROVIDE WIRING AND CONNECTION TO SPRINKLER SYSTEM PRESSURE SWITCH. SWITCH PROVIDED BY F.P. CONTR.
[R]	ADDRESSABLE RELAY MODULE.
[I]	SLC LOOP ISOLATION MODULE
[C]	ADDRESSABLE CONTROL MODULE.
[M]	ADDRESSABLE MONITOR MODULE.
[X]15	VISUAL ONLY ALARM SIGNAL.
[X]C15	AUDIBLE AND VISUAL ALARM SIGNAL.
[#]	"#" DENOTES MINIMUM CANDELA RATING. "C" DENOTES CEILING MOUNTED DEVICE. "MH" DENOTES DEVICE INTENDED TO FIT INTO A SINGLE GANG DEVICE BOX (MINI-HORN).
[X]Ri	REMOTE INDICATOR. LOCATE PER LOCAL FIRE DEPARTMENT.
[X]RTS	KEYED DUCT SMOKE DETECTOR TEST SWITCH WITH REMOTE ALARM INDICATOR. LOCATE PER LOCAL FIRE DEPARTMENT
[K]	FIRE DEPARTMENT KEY VAULT.
[FACU]	FIRE ALARM SYSTEM CONTROL UNIT.
[SDDC]	FIRE ALARM SYSTEM RECORD DOCUMENTS CABINET PROVIDE SPACE AGE ELECTRONICS # SSU00689.
[FAA]	FIRE ALARM SYSTEM REMOTE ANNUNCIATOR.

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HALIFAX, MA

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FIRE ALARM
LEGEND AND
RISER

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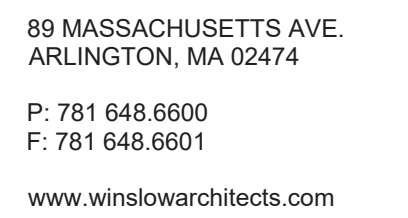
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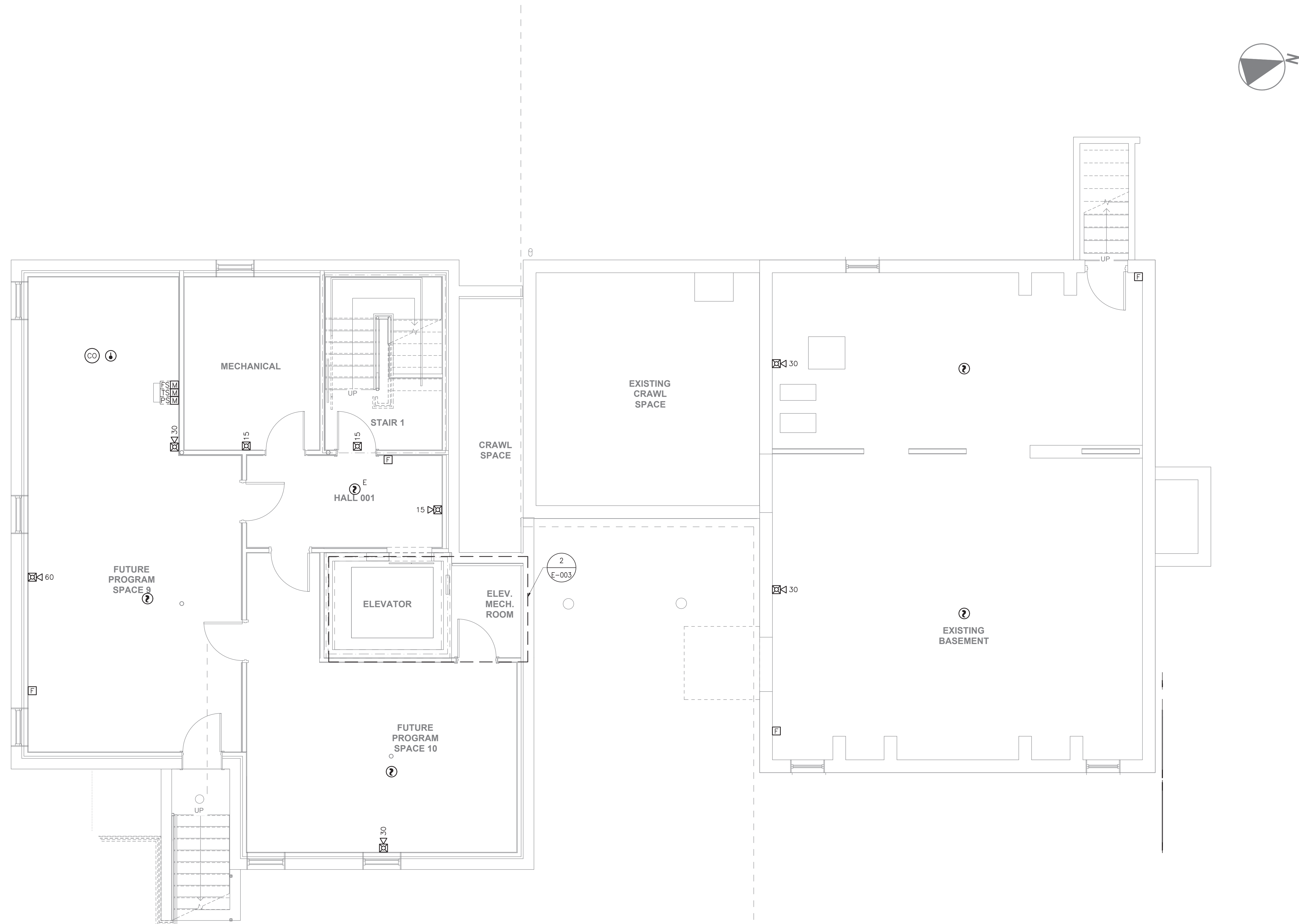
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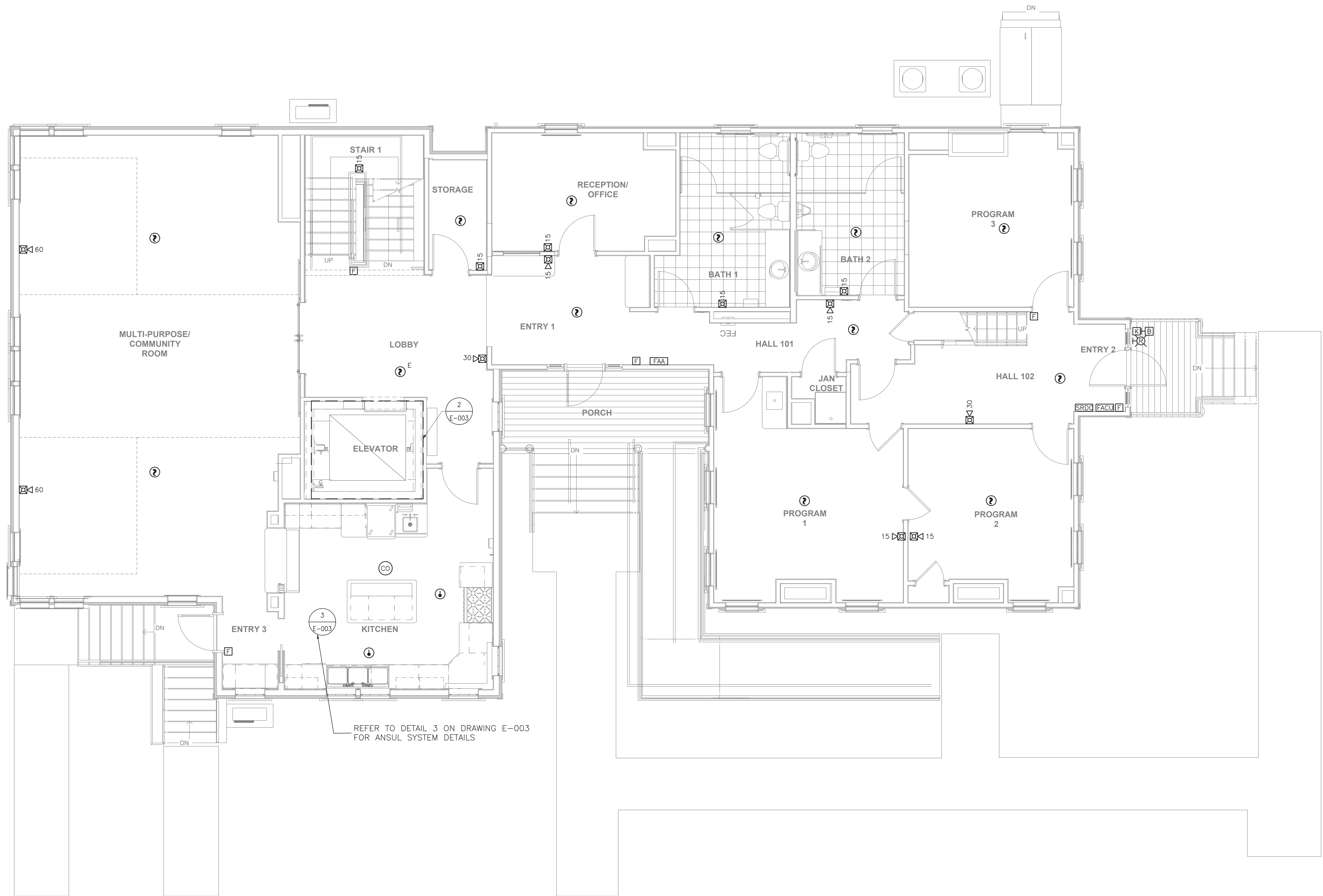


SCALE: 1/4" = 1'-0"

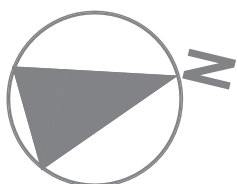
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FIRE ALARM FIRST FLOOR NEW WORK PLAN
SCALE: 1/4" = 1'-0"



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07/06/18



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Owner/Developer:

**TOWN OF
HALIFAX, MA**

Project:

**ADDITION /
RENOVATION -
POPE'S
TAVERN,
HALIFAX, MA**

Drawing:

**FIRE ALARM
FIRST FLOOR
PLAN**

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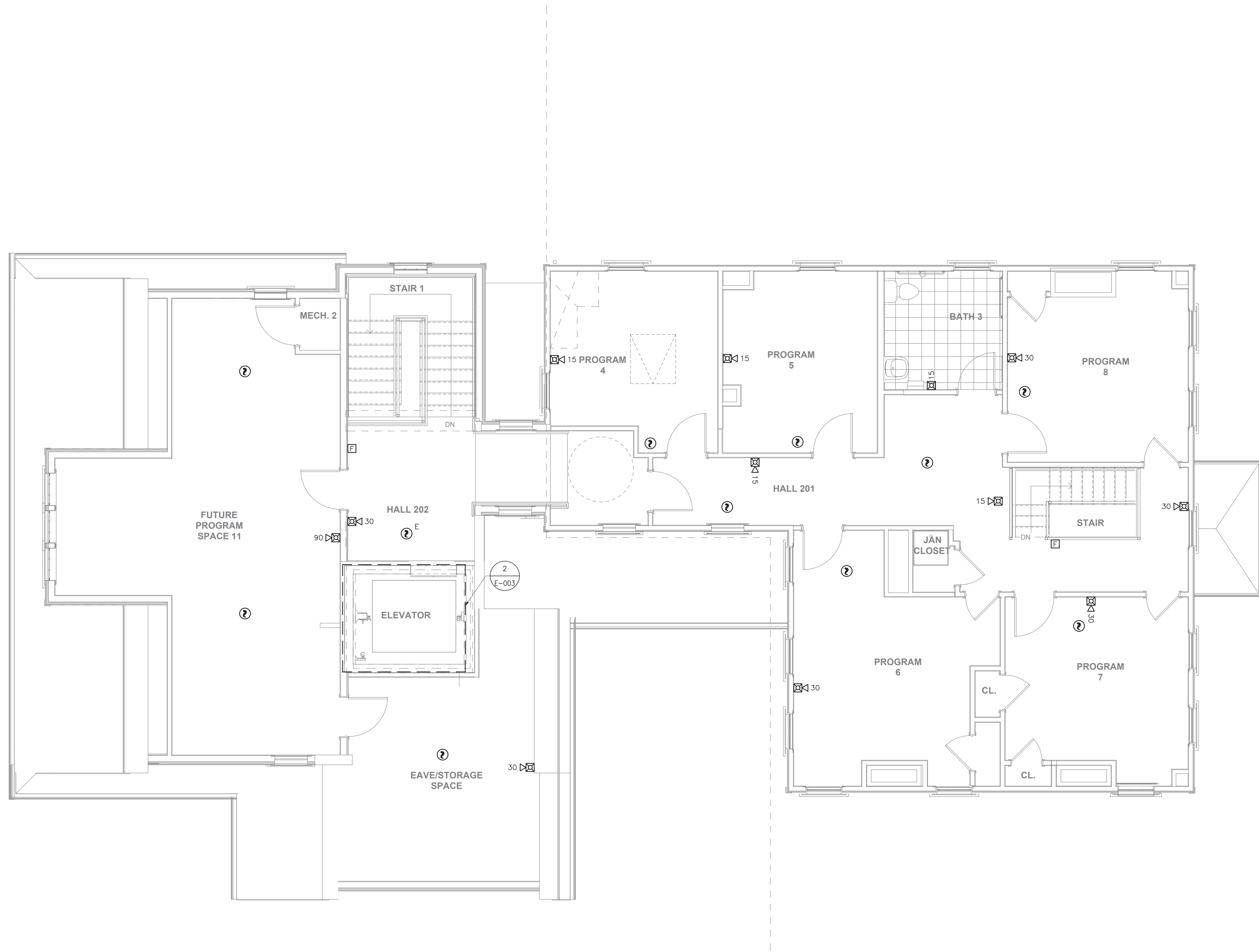
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FIRE ALARM SECOND FLOOR NEW WORK PLAN

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

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Owner/Developer:

TOWN OF
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Project:

ADDITION /
RENOVATION -
POPE'S
TAVERN,
HALIFAX, MA

Drawing:

FIRE ALARM
SECOND
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