

TURNNOCK STREET QUADPLEX

712 Turnnock Street
South Bend, IN 46617

DWELLING UNIT TABULATION

UNIT LABEL	STORAGE	# OF BEDS	# OF BATHS	NRA/UNIT	GROUND FLOOR	UPPER FLOOR	TOTAL # OF UNITS	TOTAL NRA FOR UNIT TYPE	REMOTE STORAGE
1BR TYPE ACCESSIBLE	IN-UNIT STORAGE	1	1	700 SF	1	0	1	700 SF	0 SF
2BR TYPE 'B' ACCESSIBLE	IN-UNIT STORAGE	2	1	806 SF	1	0	1	806 SF	0 SF
2BR	REMOTE STORAGE	2	1	776 SF	0	1	1	776 SF	46 SF
2BR - MIRRORED	REMOTE STORAGE	2	1	788 SF	0	1	1	788 SF	46 SF
TOTALS					2	2	4	3,070 SF	

COMMON + ADMIN/SERVICE AREA TABULATION

AREA TYPE	BASEMENT	GROUND FLOOR	UPPER FLOOR	TOTAL NET SF FOR TYPE
OWNER STORAGE				
BUILDING MECHANICAL, OUTSIDE OF UNITS	199 SF			199 SF
STAIR + STAIR ACCESS	109 SF	204 SF	191 SF	504 SF
VESTIBULE		72 SF		72 SF
FOYER		43 SF		43 SF
TOTALS	308 SF	319 SF	191 SF	818 SF

BUILDING AND HARDSCAPE AREA TABULATION

LEVEL	GROSS FLOOR AREA	CANOPY AREAS	BLDG. AREA	HARDSCAPE AREA ¹
BASEMENT	529 SF			
GROUND FLOOR	1,975 SF	77 SF	2,052 SF	3,601 SF
UPPER FLOOR	1,939 SF			
TOTAL	4,443 SF			65.27% OF 5,517 SF SITE

1. HARDSCAPE AREA INCLUDES THE BUILDING, NEW SIDEWALK, FRONT WALKWAY AND STEPS, THE ASPHALT LOT, AND CONCRETE FOR THE REAR BUILDING STOOP AND MECHANICAL.

OWNER/DEVELOPER

SOUTH BEND HERITAGE
808 LINCOLN WAY WEST
SOUTH BEND, IN 46616
(574) 289-1066



ARCHITECT

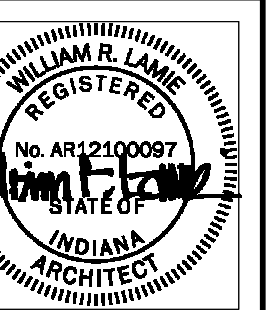
ALLIANCE ARCHITECTS
929 LINCOLNWAY EAST,
SUITE 200
SOUTH BEND, IN 46601
(574) 288-2052



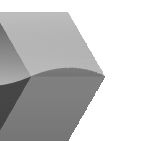
929 Lincolnway East, Suite 200 | South Bend, Indiana 46601

ISSUE DATE	REV. DATE	SHEET NUMBER	SHEET NAME
INDEX OF DRAWINGS			
GENERAL			
03/07/2025		G1.0	COVER SHEET
03/07/2025		G1.1	SITE PLAN
03/07/2025		G1.2	CODE COMPLIANCE
03/07/2025		G2.0	SITE DETAILS
STRUCTURAL			
03/07/2025		S1.0	FOUNDATION & GROUND FLOOR FRAMING PLANS & DETAILS
03/07/2025		S1.1	UPPER FLOOR & ROOF FRAMING PLANS
03/07/2025		S2.1	FRAMING SCHEDULES & DETAILS
ARCHITECTURAL			
03/07/2025		A1.0	BASEMENT & GROUND FLOOR PLANS
03/07/2025		A1.1	SECOND FLOOR & ROOF PLAN
03/07/2025		A2.0	UNIT INTERIOR ELEVATIONS
03/07/2025		A2.1	UNIT INTERIOR ELEVATIONS
03/07/2025		A3.0	BUILDING ELEVATIONS
03/07/2025		A4.0	BUILDING SECTIONS
03/07/2025		A4.1	WALL SECTIONS
03/07/2025		A4.2	WALL SECTIONS
03/07/2025		A5.0	STAIR DETAILS
03/07/2025		A6.0	DOOR AND WINDOW SCHEDULES AND ELEVATIONS
03/07/2025		A6.1	WALL DETAILS
03/07/2025		A6.2	FINISH SCHEDULE & NOTES
03/07/2025		A6.3	COMMON AND UNIT DETAILS
03/07/2025		A7.0	UL ASSEMBLIES
03/07/2025		A7.1	UL ASSEMBLIES
03/07/2025		A7.2	UL ASSEMBLIES
PLUMBING			
03/07/2025		P1.1	PLUMBING FLOOR PLANS
03/07/2025		P1.2	PLUMBING FLOOR PLANS
03/07/2025		P2.0	PLUMBING ISO/SCHEDULE/NOTES
MECHANICAL			
03/07/2025		M1.0	MECHANICAL FLOOR PLANS
03/07/2025		M2.0	MECHANICAL ISO/SCHEDULE/NOTES
ELECTRICAL			
03/07/2025		E1.0	ELECTRICAL FLOOR PLANS
03/07/2025		E2.0	ELECTRICAL LEGENDS, DIAGRAMS & NOTES
03/07/2025		E2.1	ELECTRICAL SCHEDULES

ALLIANCE
ARCHITECTS
929 Lincolnway East, Suite 200 | South Bend, Indiana 46601



South Bend
Heritage



TURNNOCK STREET QUADPLEX
SOUTH BEND HERITAGE
712 TURNNOCK STREET
SOUTH BEND, INDIANA 46617

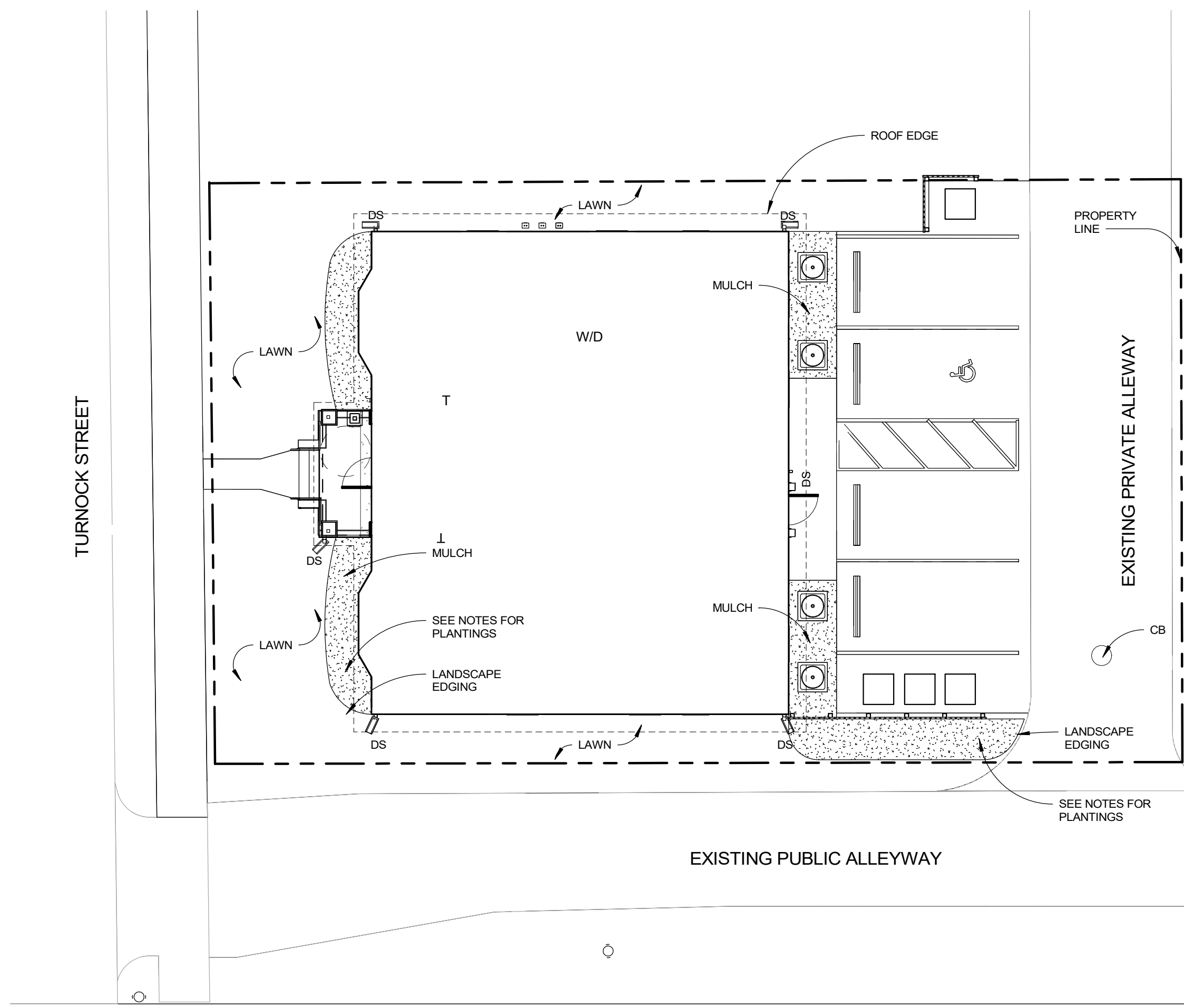
DATE:
03/07/2025

© 2025
ALLIANCE ARCHITECTS
ALL RIGHTS RESERVED

SHEET NO.

G1.0

GENERAL INFORMATION



LANDSCAPE PLAN
SCALE: 1" = 10'-0"
NORTH

LANDSCAPE WORK

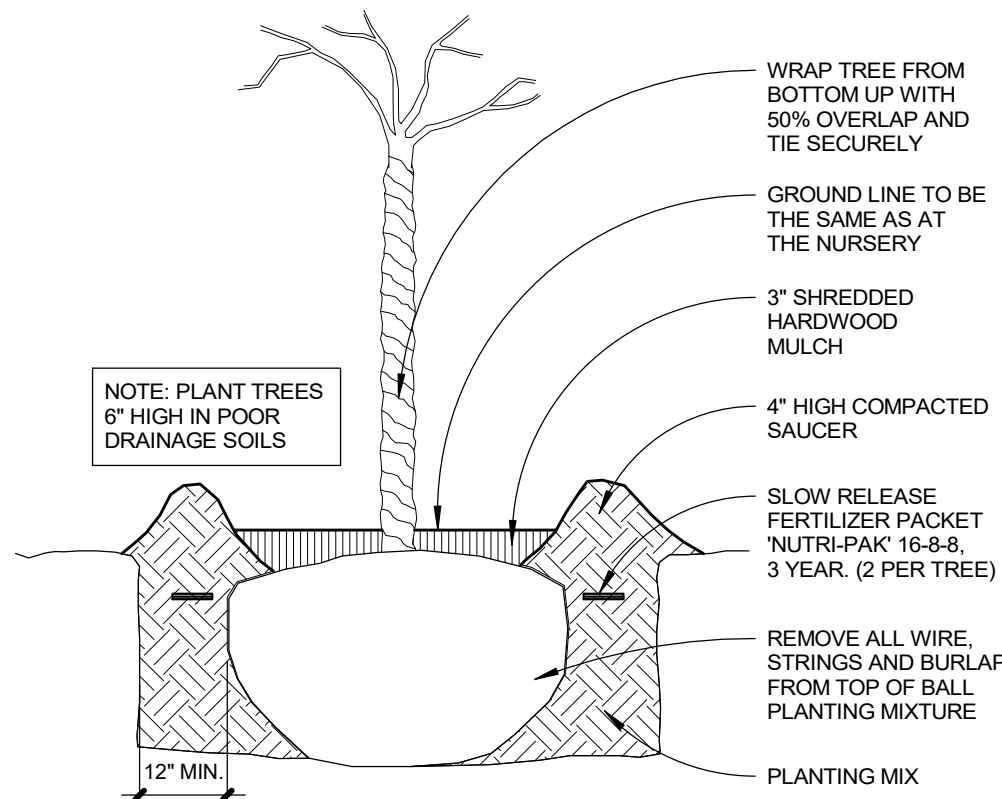
- CONTRACTOR SHALL ARRANGE FOR ON-SITE MARKING OF UNDERGROUND UTILITIES PRIOR TO ANY WORK ON-SITE. NOTIFY ARCHITECT OF ANY CONFLICTS WITH PROPOSED WORK.
- ALL TREES TO BE BALLED AND BURLAPPED. TREE CALIPER SIZE INDICATES THE DIAMETER OF THE TRUNK TAKEN AT 6" ABOVE GROUND LEVEL.
- ALL SHRUBS MAY EITHER BE CONTAINER GROWN OR BALLED AND BURLAPPED.
- KEEP THE SOIL MOST OF BALLED AND CONTAINER PLANTS UNTIL THEY ARE PLANTED. IF PLANTS CANNOT BE PLANTED IMMEDIATELY, THEY SHOULD BE HEeled IN AND BALLED/CONTAINERS COVERED WITH MULCH.
- ALL PLANTING LOCATIONS TO BE FIELD STAKED BY CONTRACTOR AND APPROVED BY LANDSCAPE PRIOR TO INSTALLATION FOR PROPER AESTHETIC AND FUNCTIONAL USE.
- ALL SOIL PREPARATION OF PLANTING AREAS TO BE DONE BY LANDSCAPE CONTRACTOR.
- LANDSCAPE CONTRACTOR TO NOTIFY ARCHITECT IMMEDIATELY OF ANY FOREIGN SUBSTANCE THAT MAY BE DAMAGING TO PLANT MATERIAL. PRIOR TO PLANTING.
- LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR COORDINATION WITH OTHER WORK FOR PROPER PLACEMENT OF PLANT MATERIALS AND LANDSCAPE WORK.
- REFER TO PLANTING DETAILS AND LANDSCAPE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

LANDSCAPE CONTRACTOR SHALL PROVIDE SKETCH DRAWING OF PROPOSED LAYOUT OF LANDSCAPE PLANTINGS TO ARCHITECT FOR REVIEW AND APPROVAL PRIOR TO PLANTING. LANDSCAPE CONTRACTOR SHALL MAKE MINOR ADJUSTMENTS TO PROPOSED LAYOUT AS REQUESTED. LANDSCAPE DESIGN SHALL BE BASED ON THE FOLLOWING LIST OF REQUIRED PLANTS.

LAWNS
ENTIRE PROPERTY INCLUDING AREAS BETWEEN FRONT PROPERTY LINE TO CURB LINE OF TURNOCK STREET AND REAR PROPERTY LINE TO ALLEY TO BE GRASS SEEDING AS PER SPECIFICATIONS. AREAS OF EXISTING LAWN IN GOOD CONDITION MAY BE RENOVATED TO BLEND WITH NEW LAWNS.

- LANDSCAPING**
- SHADE TREES:
 - HOMESTEAD ELM - 3" MIN. CALIPER
 - RED SUNSET MAPLE - 3" MIN. CALIPER
 - LEGACY SUGAR MAPLE - 3" MIN. CALIPER
 - SKYLINE HONEYLOCUST - 3" MIN. CALIPER

- ORNAMENTAL TREES: PROVIDE TWO (2) ORNAMENTAL TREES OF ANY ONE OR TWO OF THE FOLLOWING VARIETIES. TO BE LOCATED IN THE FRONT AND/OR SIDE YARDS.
 - AUTUMN BRILLIANCE SERVICEBERRY - MULTI-STEM, 10' MIN. HEIGHT
 - SUGAR TYME CRABAPPLE - 2" MIN. CALIPER
 - HARVEST GOLD CRABAPPLE - 2" MIN. CALIPER



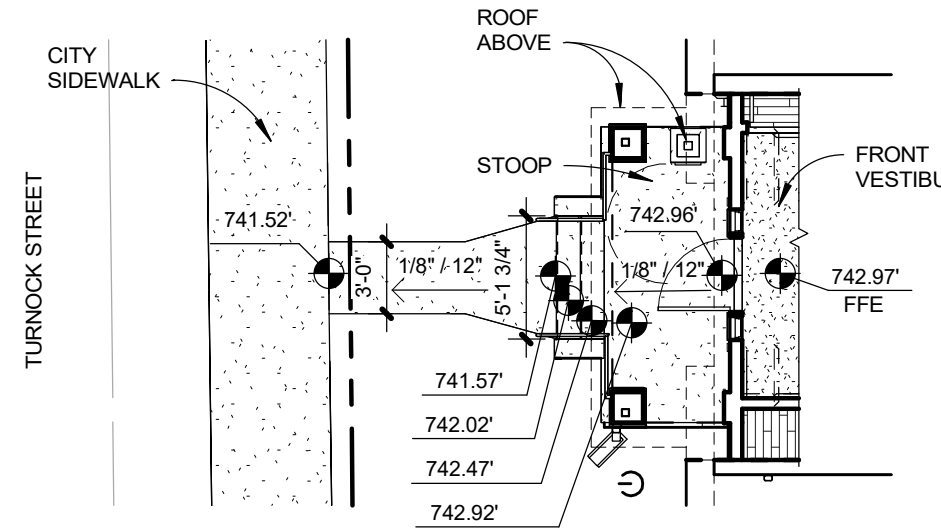
TREE DETAIL
SCALE: 3/8" = 1'-0"
1 G1.1

SITE PREPARATION / CLEARING

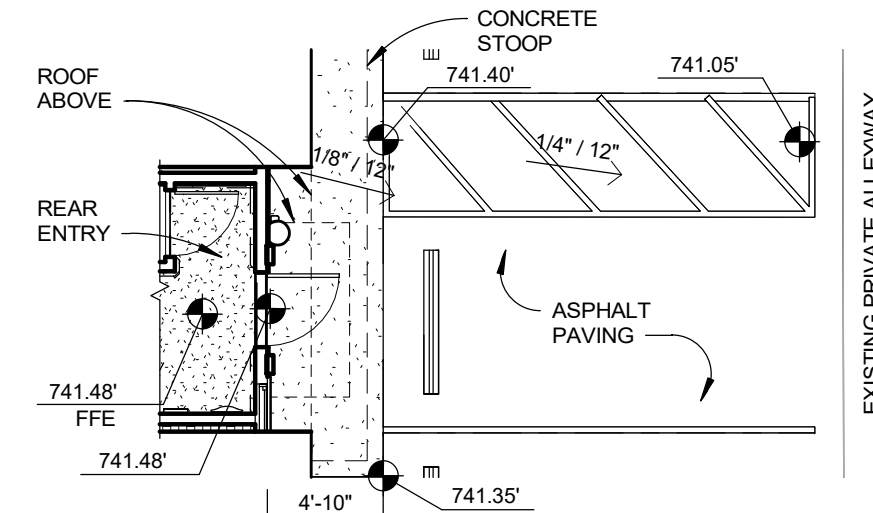
- SITE PREPARATION / CLEARING WORK INCLUDES, BUT NOT LIMITED TO: REMOVAL OF MISC. IMPROVEMENTS, VEGETATION, REMOVAL OF SHRUBS AND TREES AND STUMPS WITHIN ENTIRE PROPERTY LIMITS EXCEPT FOR THOSE TREES NOTED TO REMAIN.
- TRAFFIC: CONDUCT SITE CLEARING OPERATIONS TO ENSURE MINIMUM INTERFERENCE WITH ROADS, STREETS, WALKS AND OTHER ADJACENT OCCUPIED OR USED FACILITIES. DO NOT CLOSE OR OBSTRUCT STREETS OR WALKS WITHOUT PERMISSION FROM AUTHORITIES HAVING JURISDICTION.
- PROTECT IMPROVEMENTS ON OWNER'S PROPERTY AND ADJACENT PROPERTY. RESTORE DAMAGED IMPROVEMENTS TO THEIR ORIGINAL CONDITION, AS ACCEPTABLE TO PARTIES INVOLVED.
- CONTRACTOR SHALL REMOVE ALL VEGETATION, SHRUBS, TREES, TREE STUMPS WITHIN PROPERTY LIMITS. BACKFILL EXCAVATIONS TO SUBGRADE ELEVATIONS WITH "SATISFACTORY SOILS" IN MAX. 12" LIFTS. SATISFACTORY SOILS ARE DEFINED AS THOSE COMPLYING WITH ASTM C2487 SOIL CLASSIFICATION GROUP GP, GW, GM, SM, SW AND SP. (SAND AND GRAVEL SOIL TYPES).
- STRIP TOPSOIL UNDER ALL NEW CONSTRUCTION AREAS TO WHATEVER DEPTHS ENCOUNTERED, IN A MANNER TO PREVENT INTERMINGLING WITH UNDERLYING SUBSOIL OR OTHER OBJECTIONABLE MATERIAL. REMOVE HEAVY GROWTH OF GRASS AND VEGETATION BEFORE STRIPPING. WHERE TREES ARE TO BE LEFT STANDING, STOP TOPSOIL STRIPPING WITHIN THE DRIPLINE TO PREVENT ROOT DAMAGE. CONSTRUCT STOCKPILES TO FREE DRAIN SURFACE WATER.
- REMOVE WASTE MATERIALS, EXCESS SOILS AND TREE STUMPS FROM OWNER'S PROPERTY AND DISPOSE OFF-SITE IN A LEGAL MANNER. BURNING OR BURIAL OF MATERIALS, DEBRIS, ETC. IS NOT PERMITTED ON OWNER'S PROPERTY.

SITWORK NOTES

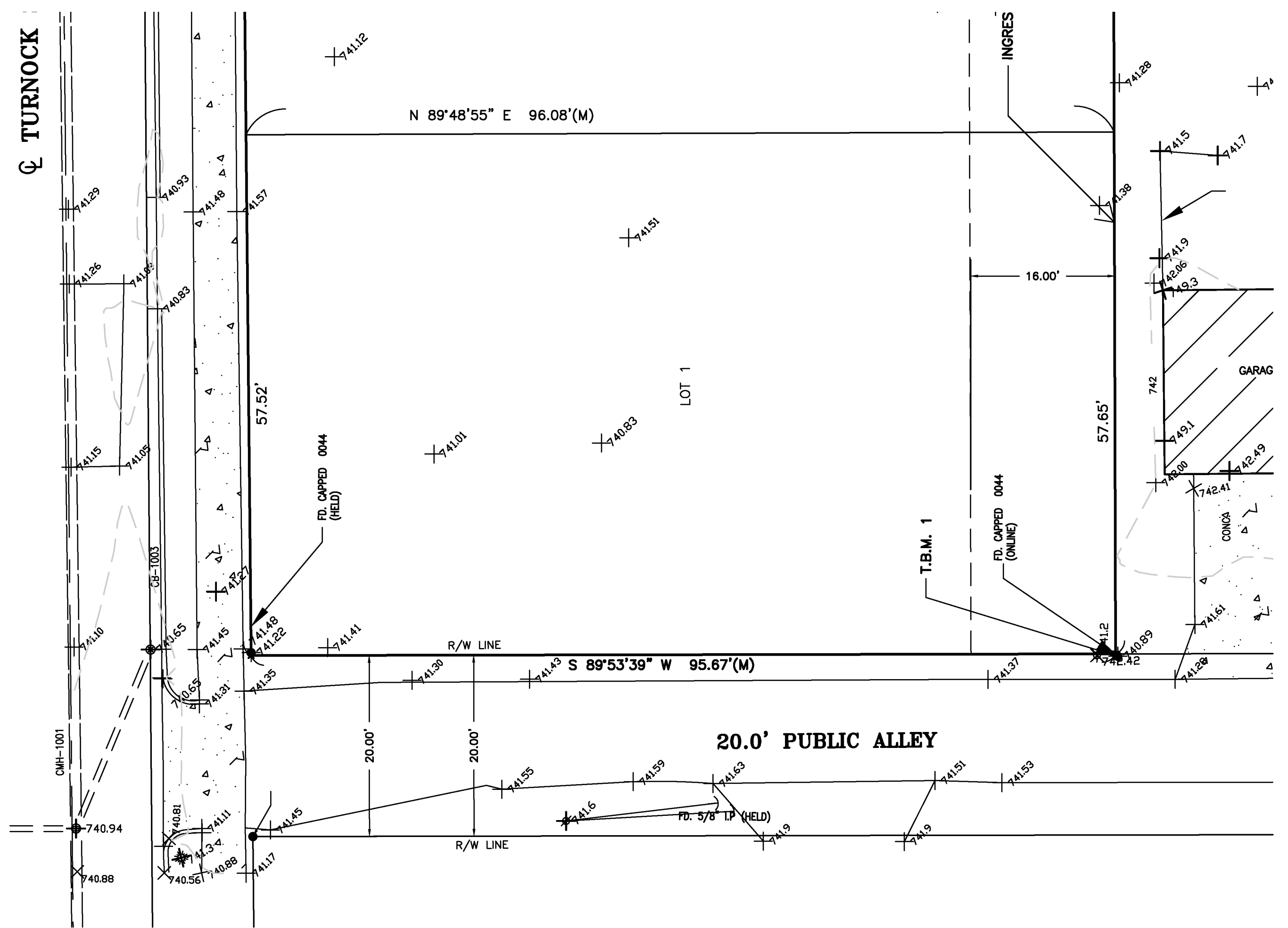
- ALL WORK WITHIN RIGHT-OF-WAYS TO BE IN ACCORDANCE WITH CITY OF SOUTH BEND STANDARDS AND REQUIREMENTS.
- CONTRACTOR IS OBLIGATED TO FIELD VERIFY DIMENSIONS AND LAYOUT IN THE FIELD PRIOR TO CONSTRUCTION. NOTIFY ARCHITECT OF ANY DISCREPANCIES OR CONFLICTS.
- CONTRACTOR IS RESPONSIBLE TO ASSURE ALL ELEMENTS OF CONSTRUCTION ARE KEPT WITHIN PROPERTY LIMITS.
- REPAIR AND/OR REPLACE EXISTING STRUCTURES, PAVEMENTS OR IMPROVEMENTS, ON-SITE OR OFF-SITE, DAMAGED BY CONSTRUCTION ACTIVITIES.
- EXISTING SITE UTILITY INFORMATION SHOWN ON SURVEY MAY BE INCOMPLETE. CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES FOR FIELD LOCATION AND VERIFICATION OF ON-SITE UTILITIES PRIOR TO CONSTRUCTION WORK. NOTIFY ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES OR CONFLICTS WITH NEW CONSTRUCTION.
- THE CONTRACTOR IS RESPONSIBLE FOR EXAMINING ALL SITE CONDITIONS PRIOR TO THE START OF WORK.
- ALL EXCAVATIONS TO BE KEPT WELL DRAINED AT ALL TIMES. CONTRACTOR TO EMPLOY TEMPORARY STORM DRAINAGE AND DEWATERING METHODS AS NECESSARY.
- CONTRACTOR SHALL INSTALL AND MAINTAIN EROSION CONTROL MEASURES TO STOP ANY EROSION/RUNOFF OF SEDIMENT OR DEBRIS LEAVING THE SITE. CONTRACTOR IS RESPONSIBLE FOR ASSURING COMPLIANCE WITH ALL LOCAL AND STATE REQUIREMENTS FOR EROSION CONTROL.
- SITE SHALL BE GRADED TO PROVIDE SMOOTH CONTOURS AND POSITIVE DRAINAGE. DO NOT ALLOW FOR PONDING OF WATER. PROVIDE SMOOTH TRANSITION WITH EXISTING GRADES.
- NEW UTILITIES SERVICES SHALL BE INSTALLED UNDERGROUND.
- WORK IN PUBLIC R.O.W. (STREETS AND ALLEYS) BY OTHERS.
- EXTERIOR CONCRETE: ALL EXTERIOR CONCRETE FOR WALKS, STEP, PADS AND DRIVEWAYS SHALL BE: 4000 PSI WITH LIMESTONE AGGREGATE.



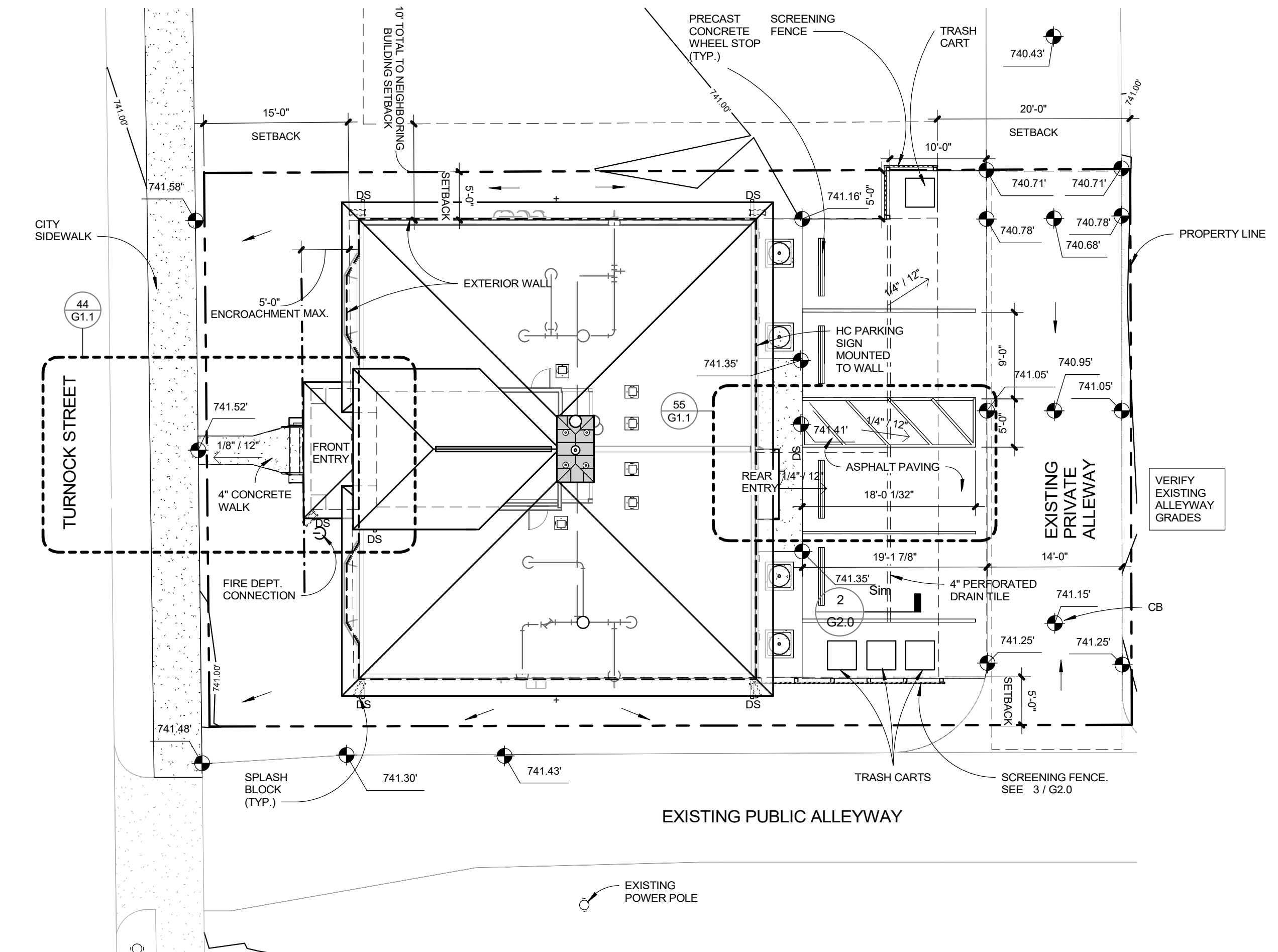
FRONT ENTRY PLAN
SCALE: 1/8" = 1'-0"
NORTH



REAR ENTRY PLAN
SCALE: 1/8" = 1'-0"
NORTH

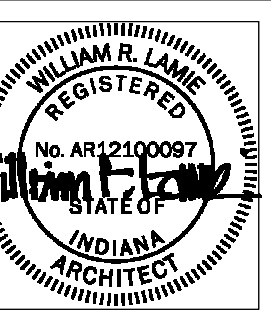


SITE SURVEY
SCALE: 1" = 10'-0"
NORTH
SURVEY INFORMATION PROVIDED BY DANCH HARNER. VERIFY CONDITIONS IN FIELD.



SITE PLAN
SCALE: 1" = 10'-0"
NORTH

GENERAL INFORMATION

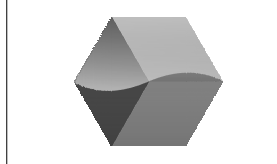
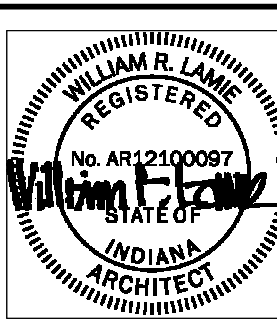


DATE:
03/07/2025

© 2025 ALLIANCE ARCHITECTS
ALL RIGHTS RESERVED

SHEET NO.

G1.1



DATE:
03/07/2025

© 2025
ALLIANCE ARCHITECTS
ALL RIGHTS RESERVED

SHEET NO.

G1.2

LEGEND

- DWELLING UNIT AND STAIRWAY FIRE SEPARATION TO BE ONE-HOUR RATED WALL ASSEMBLY. INTERIOR BEARING WALLS TO BE ONE HOUR RATED WALL ASSEMBLY. WITH 20 MINUTE FIRE RATED DOORS.
- FE ⊕ INDICATES FIRE EXTINGUISHER (FE) LOCATION
- FEC ⊕ INDICATES FIRE EXTINGUISHER (FEC) LOCATION
- ▲ INDICATES EXIT LOCATIONS OR SITE ACCESSIBLE ENTRANCES OR ACCESS TO SITE AMENITY
- △ INDICATES ACCESSIBLE BUILDING ENTRANCE LOCATIONS
- HC ACCESSIBLE ROUTE - SEE SITE DRAWINGS FOR MAXIMUM SLOPE AND CROSS SLOPE REQUIREMENTS.
- - - - - EXIT TRAVEL DISTANCE PATH

FIRE RATED ASSEMBLIES

- CORRIDOR - 1 HOUR FIRE RATED UL ASSEMBLY NO. U311
- DEMISING WALL UL ASSEMBLY NO. U341
- FLOOR/CEILING - 1 HOUR FIRE RATED (SEE BUILDING SECTIONS) UL ASSEMBLY NO. L546
- STAIR ENCLOSURE - 1 HOUR FIRE RATED FIRE BARRIER WALLS UL ASSEMBLY NO. U311
- INTERIOR BEARING WALLS: UL ASSEMBLY NO. U301
- EXTERIOR BEARING WALLS: UL ASSEMBLY NO. U301

CODE SUMMARY

- DESCRIPTION: THIS PROJECT CONSISTS OF RESIDENTIAL UNITS IN ONE QUADPLEX BUILDING.
- APPLICABLE CODES**
- 2014 INDIANA BUILDING CODE (2012 INTERNATIONAL BUILDING CODE WITH INDIANA AMENDMENTS)
 - ACCESSIBILITY - CHAPTER 11 INDIANA BUILDING CODE - ICC A117.1 2009
 - 2012 INDIANA PLUMBING CODE (2008 INTERNATIONAL PLUMBING CODE WITH INDIANA AMENDMENTS)
 - 2008 INDIANA ELECTRICAL CODE (2008 NFPA 70 WITH INDIANA AMENDMENTS)
 - 2014 INDIANA MECHANICAL CODE (2012 INTERNATIONAL MECHANICAL CODE WITH INDIANA AMENDMENTS)
 - 2014 INDIANA FUEL GAS CODE (2012 INTERNATIONAL FUEL GAS CODE WITH INDIANA AMENDMENTS)
 - 2010 INDIANA ENERGY CONSERVATION CODE (ASHRAE 90.1 2007 WITH INDIANA AMENDMENTS)
 - 2014 INDIANA FIRE CODE (2012 INTERNATIONAL FIRE CODE WITH INDIANA AMENDMENTS)

USE AND OCCUPANCY GROUP CLASSIFICATION (CHAPTER 3, IBC)

R-2 RESIDENTIAL GROUP - RESIDENTIAL APARTMENT USE
BASEMENT STORAGE SPACES ARE ACCESSORY USE (LESS THAN 10% OF THE FLOOR AREA OF THE BASEMENT): 92 SF OF STORAGE / 529 SF OF BASEMENT = 17.39%

GENERAL BUILDING HEIGHTS AND AREAS (CHAPTER 5, IBC)

RESIDENTIAL OCCUPANCY

ALLOWABLE HEIGHT (TABLE NO. 503, IBC):	2 STORIES, 40'-0"
ACTUAL HEIGHT:	2 STORIES, 30'-11"
ALLOWABLE AREA PER STORY (TABLE NO. 503, IBC):	7,000 SQ. FT.
AREA MODIFICATIONS: A=[A1 x I1] + [A2 x I2]	3,433 SQ. FT.
AREA PER STORY: A ₁ = [A1 x I1] + [A2 x I2]	10,433 SQ. FT.
AREA PER STORY (SECTION 506.4):	1ST: 10,433 SQ. FT.
2ND: 10,433 SQ. FT.	1,975 SQ. FT.
MAX ALLOWABLE BUILDING AREA: A = (2 x A ₁)	20,866 SQ. FT.
CONSTRUCTION TYPE (CHAPTER 6, IBC):	TYPE V B

FIRE RESISTANT DESIGN (TABLE 601, 602, AND 1018.1, IBC)

FIRE RESISTANCE OF STRUCTURAL COMPONENTS FOR BUILDING SHALL BE EQUAL TO OR GREATER THAN THOSE USED ON THE TABLE LISTED BELOW.

BUILDING ELEMENT	FIRE RESISTANCE RATING (HOURS)
1. STRUCTURAL FRAME	0
2. BEARING WALLS - EXTERIOR	0 (0 FROM EXTERIOR WHERE X>30' SEPARATION PER TABLE 705.5)
3. BEARING WALLS - INTERIOR	0
4. NON-BEARING WALLS - EXTERIOR	0 (0 FROM EXTERIOR WHERE X>30' SEPARATION PER TABLE 705.5)
5. NON-BEARING WALLS - INTERIOR	0
6. FLOOR CONSTRUCTION	0
7. ROOF CONSTRUCTION	0.5
8. CORRIDOR WALLS	0.5
9. PARTY WALLS	0.5

REQUIRED FIRE SEPARATION

- STAIR ENCLOSURES COMPLY WITH 1021, ARE "EXIT ACCESS STAIRWAYS", AND ARE NOT REQUIRED TO BE ENCLOSED (1009.3, EXCEPTION 1, IBC).
- DWELLING UNIT SEPARATIONS IN BUILDINGS OF TYPE V B CONSTRUCTION SHALL HAVE FIRE-RESISTANCE RATINGS OF NOT LESS THAN 0.5 HOURS IN BUILDINGS EQUIPPED WITH AN AUTOMATIC SPRINKLER SYSTEM IN ACCORDANCE WITH SECTION 1017.3.1.1, (SECTION 705, IBC).
- CORRIDOR WALLS IN OCCUPANCY R HAVE A FIRE RESISTANCE RATING REQUIREMENT OF 0.5 HOURS (TABLE 1017.1), UNLESS CORRIDOR WALLS ARE CLASSIFIED AS INTERIOR BEARING WALLS IN WHICH CASE A FIRE RESISTANCE RATING OF 1 HOUR IS REQUIRED.

EXTERIOR WALL FIRE RATING AND OPENING LIMITATIONS

FIRE SEPARATION DISTANCE 5'-4" (NORTH SIDE) MAX. AREA OF OPENINGS 15% OF ALLOWED, 5.24% OF ACTUAL UNPROTECTED OPENINGS. RE SPRINKLER SYSTEMS PER TABLE 705.8 FIRE RESISTANCE RATING 1 HOUR TO BE FROM INSIDE ONLY PER 705.5.

FIRE PROTECTION SYSTEMS (CHAPTER 9, IBC)

THE ENTIRE BUILDING WILL BE SERVED BY AN AUTOMATIC FIRE PROTECTION SPRINKLER SYSTEM IN ACCORDANCE WITH NFPA 13R.

MEANS OF EGRESS REQUIREMENTS (CHAPTER 10, IBC)

OCCUPANT LOAD PER STORY (PER TABLE 1004.1.1, IBC) AND EXITS REQUIRED (PER TABLE 1015.1, IBC) - PER FLOOR

FLOOR	RESIDENTIAL OCCUPANT LOAD FACTOR: 200 GROSS SF PER OCCUPANT	EXITS REQD. PER UNIT	PROVIDED
BASEMENT	529 SF GROSS AREA / 300 SF MAX. PER OCCUPANT (1 PERSONS)	1	1
FIRST FLOOR	TWO RESIDENTIAL UNITS (8 PERSONS)	1	1
SECOND FLOOR	TWO RESIDENTIAL UNITS (8 PERSONS)	1	2

R-2 IS PERMITTED ONE MEANS OF EGRESS WITH MAXIMUM OCCUPANT LOAD OF 20 WITH AUTOMATIC SPRINKLER SYSTEM.

STORIES WITH ONE EXIT OR ACCESS TO ONE EXIT FOR R-2 OCCUPANCIES (TABLE 1021.2(1), IBC):

- MAXIMUM NO. OF DWELLING UNITS: 4 DWELLING UNITS ALLOWED PER STORY; 2 DWELLING UNITS ACTUAL
- MAXIMUM EXIT ACCESS TRAVEL DISTANCE: 125' ALLOWABLE, 74'-10" ACTUAL
- EMERGENCY ESCAPE AND RESCUE OPENINGS COMPLYING WITH SECTION 1029 PROVIDED PER TABLE 1021.2 (1) NOTE A.

AREAS OF REFUGE NOT REQUIRED AT EXIT STAIRWAYS IN BUILDINGS EQUIPPED WITH AN AUTOMATIC SPRINKLER SYSTEM (1007.3, EXCEPTION 2, IBC).

PLUMBING OCCUPANT LOAD: MIN. NUMBER OF PLUMBING FACILITIES (TABLE 2902.1, IBC)

RESIDENTIAL	WATER CLOSET:	LAVATORY	TUB OR SHOWER	KITCHEN SINK
REQUIRED	1 PER UNIT	1 PER UNIT	1 PER UNIT	1 PER UNIT
PROVIDED	1 WC	1 LAV	1 TUB OR SHOWER	1 SINK

ACCESSIBILITY (CHAPTER 11, IBC)

ALL GROUND FLOOR OF THE QUADPLEX WILL BE "TYPE B UNITS", DESIGNED TO COMPLY WITH HANDICAPPED ACCESSIBILITY REQUIREMENTS PER ICC A117.1 2009. UNITS WHICH ARE IDENTIFIED AS ACCESSIBLE UNITS WILL EXCEED THE "TYPE B" REQUIREMENTS (1107.6.2 GROUP R-2)

FAIR HOUSING ACT: COMPLIANCE WITH ICC A117.1 2009 TO SERVE AS SAFE HARBOR FOR GROUND FLOOR UNITS AND ACCESSIBLE COMMON AREAS.

HUD SECTION 504: TYPE 1 BR ACCESSIBLE UNITS TO COMPLY WITH UFAS.

MULTILEVEL BUILDING ACCESSIBLE ROUTE NOT REQUIRED TO UPPER FLOOR (1104.4, EXCEPTION 2, IBC).

ACCESSIBILITY FEATURES WITHIN THE ROAD RIGHT OF WAY, INCLUDING CURB RAMPS AT STREET CORNERS, ARE THE RESPONSIBILITY OF THE CITY OF SOUTH BEND.

ZONING SUMMARY

SOUTH BEND ZONING ORDINANCE (SBZO)
URBAN NEIGHBORHOOD Z (U2) SECTION 21-03.04
NORTHEAST NEIGHBORHOOD ZONING OVERLAY (NNZO) SECTION 21-05.02
REQUIREMENTS ARE U2 UNLESS NOTED AS NNZO.

- PEDESTRIAN-ORIENTED SCALE WITH SIDEWALKS AND REGULARLY SPACED STREET TREES.
- HIGH-QUALITY DESIGN THAT PRESERVES AND ENHANCES THE CHARACTER OF A TRADITIONAL NEIGHBORHOOD (NNZO).

- BUILDING PLACEMENT**
- LOT: MIN. 15' WIDE X 60' DEEP. MAX. 70' WIDE (NNZO).
 - RESIDENTIAL SETBACKS:
 - FRONT 15' - 25'
 - CORNER 10' - 25'
 - SIDE 5' - NO MAX.
 - REAR 20' - NO MAX.
 - FAÇADE WITHIN SETBACK ZONE: FRONT 65% MIN., CORNER 50% MIN.
 - BUILDING COVERAGE: 60% MAX.
 - ONE APARTMENT HOUSE PER LOT.
- ACCESS & PARKING COMPLY WITH 21.07, SBZO**
- SIDEWALK: AN ADA-COMPLIANT WALKWAY SHALL CONNECT THE SIDEWALK OR DRIVEWAY TO THE MAIN ENTRANCE.
 - VEHICLE PARKING:
 - OFF-STREET PARKING AREAS ARE NOT REQUIRED.
 - SHARED DRIVEWAYS BETWEEN ADJACENT PROPERTIES ARE ENCOURAGED PROVIDED THAT AN ACCESS EASEMENT EXISTS BETWEEN ALL PROPERTY OWNERS.
 - SURFACE: HARD SURFACED WITH ASPHALT, CONCRETE, PERVIOUS PAVEMENT, PAVERS OR OTHER DURABLE, DUST-FREE SURFACE.
 - OFF-STREET PARKING ACCESS FROM ALLEY OR SECONDARY STREET (NNZO).
 - BICYCLE PARKING (21-07.02, SBZO):
 - NUMBER OF SPACES REQUIRED: 1 PER 10 DWELLING UNITS. 4 DWELLING UNITS < 0.5 SPACES, SO REQUIREMENT IS 0 SPACES.
 - PROVIDED: 4 SPACES.
 - WITHIN 100' OF, AND CLEARLY VISIBLE FROM, THE MAIN ENTRANCE, ON SITE, OR WITHIN THE RIGHT OF WAY WITH APPROVAL.
 - SPACE: HARD SURFACED WITH ASPHALT, CONCRETE, PERVIOUS PAVEMENT, PAVERS, OR OTHER DURABLE, DUST-FREE SURFACE. MIN. 6' X 2'.
 - RACK: SECURELY ANCHORED. ABLE TO SUPPORT THE BICYCLE FRAME IN AT LEAST TWO PLACES. ALLOWS LOCKING OF THE FRAME AND AT LEAST ONE WHEEL WITH A LOCK.

- BUILDING FORM**
- HEIGHT MAX.: 35' AND 2.5 STORIES.
 - WIDTH MAX.: 48'
 - PRIMARY FAÇADE IS ORIENTED TO A FRONT LINE.
- BUILDING FRONTAGE TYPES**
- THE MAIN BUILDING ENTRANCE IS LOCATED ON THE FRONT FAÇADE.
 - STOOP:
 - ROOFED OR OPEN.
 - MIN. 4' WIDE X 4' DEEP.
 - RAISED ABOVE SIDEWALK 18" MIN., AND DIRECTLY CONNECTED TO SIDEWALK, WALKWAY OR DRIVEWAY.
 - MUST BE UNENCLOSED/OPEN ON THREE SIDES TO ENCRoACH INTO THE FRONT OR CORNER SETBACK.
 - COVER A MINIMUM 30% OF THE PRIMARY HOUSE FORM (NNZO).
- ENCROACHMENTS (21-08.03, SBZO)**
- BUILDING COMPONENTS SHALL BE AT LEAST 18" FROM ANY LOT LINE.
 - ALLOWED ENCROACHMENTS:

FRONT	CENTER	SIDE	REAR
3'	3'	3'	3'
 - ARCHITECTURAL FEATURES:

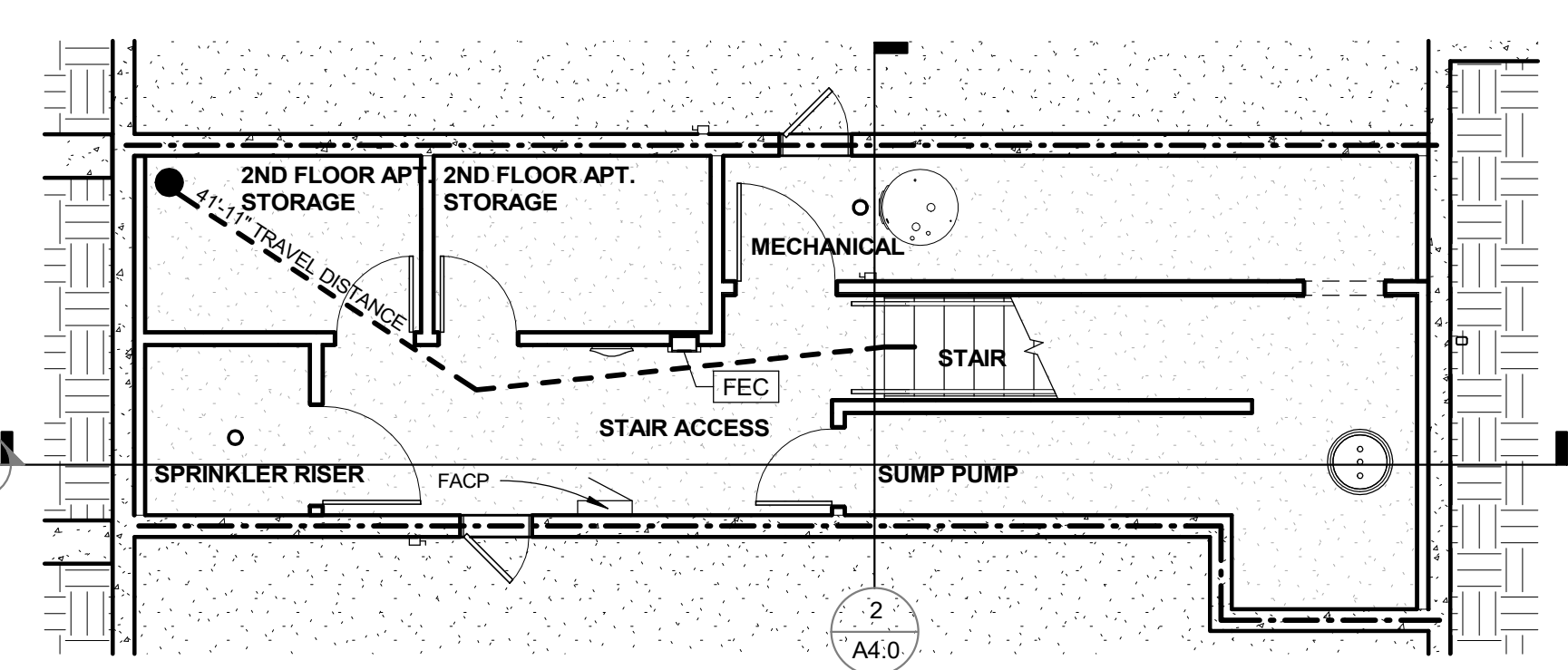
BUILDING FRONTAGE TYPE	FRONT	CENTER	SIDE	REAR
BAY WINDOW (<10' WIDE)	3'	3'	3'	3'
PATIO'S & DECKS (UNDER 30')	6'	6'	ALLOWED	ALLOWED

- BUILDING STANDARDS**
- FAÇADE TRANSPARENCY FRONT & CORNER 15% MIN. (SEE CALCULATIONS ON SHEET A3.0 BUILDING ELEVATIONS)
 - GROUND FLOOR: MAX. TRANSPARENCY 75% (NNZO) MEASURED BETWEEN 2' AND 8' ABOVE THE FINISHED GROUND FLOOR LEVEL.
 - UPPER FLOOR: MAX. TRANSPARENCY 40% (NNZO) MEASURED FROM THE SURFACE OF THAT FLOOR TO THE BOTTOM SURFACE OF THE ROOF.
 - DOOR AND WINDOW SHAPES PRIMARILY RECTANGULAR (ORIENTED VERTICALLY), OR SQUARE. HORIZONTALLY ORIENTED WINDOWS WITH VERTICAL DIVISIONS MAY BE USED WHEN CONSISTENT WITH THE BUILDING'S ARCHITECTURAL STYLE AND CHARACTER. ROUND, HEXAGON, AND OCTAGONAL SHAPED WINDOWS SHALL ONLY BE USED AS ACCENTS. (NNZO)
 - NO RESIDENTIAL FAÇADES WITH CINDER/CONCRETE BLOCK, METAL PLYWOOD, AND UNFINISHED PRECAST OR POURED-IN-PLACE CONCRETE (NNZO).
 - CONCRETE AND CONCRETE MASONRY ONLY PERMITTED FOR BASEMENT FOUNDATION WALLS (NNZO).
 - PARAPETS ABOVE 4' IN HEIGHT ABOVE THE ROOF LINE SHALL BE OF A UNIFORM HEIGHT ALL THE WAY AROUND THE ROOF (NNZO).

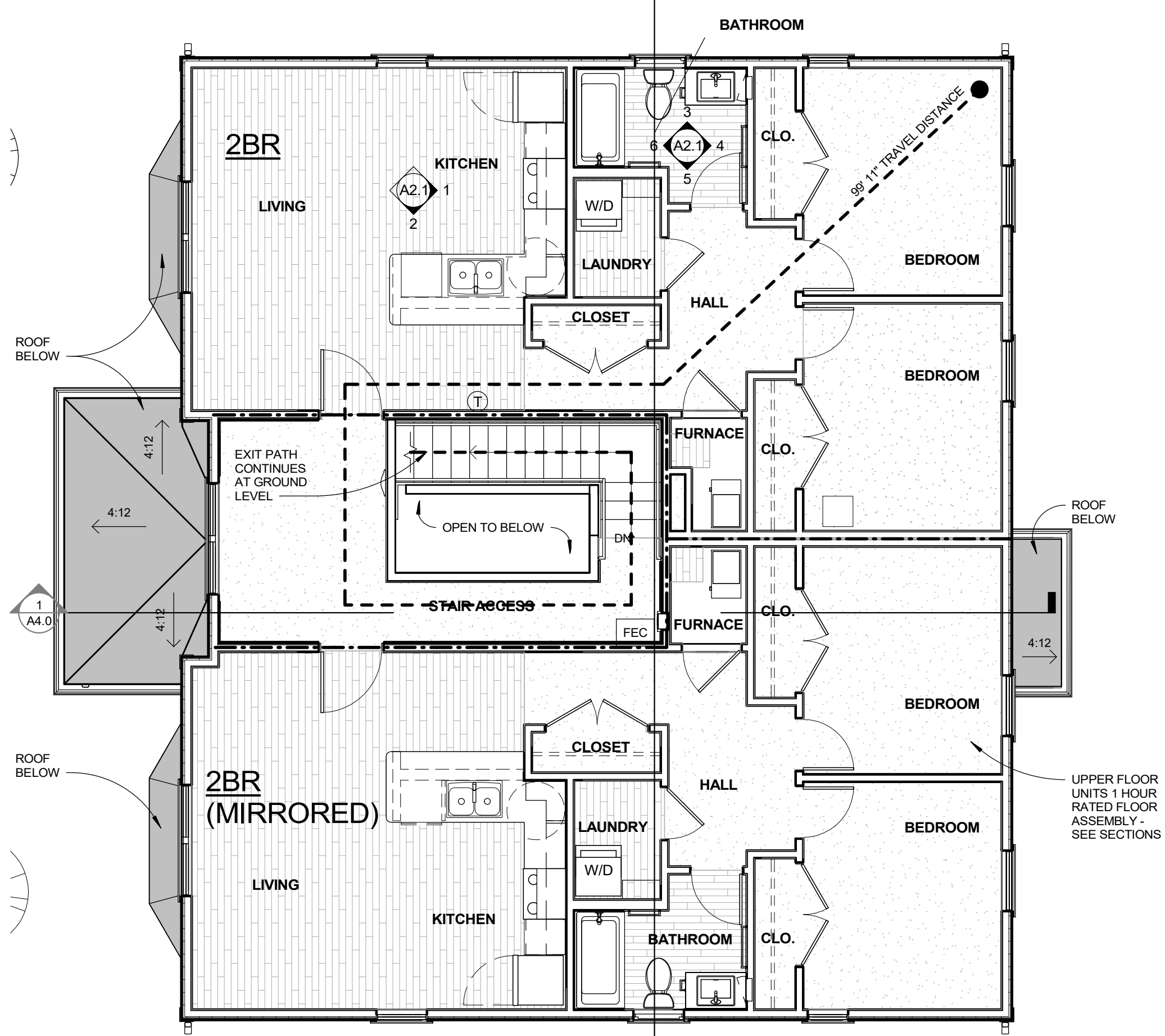
- BUILDING MATERIALS**
- NO BUILDING MATERIAL RESTRICTIONS WITHIN THE U2 DISTRICT. MUST COMPLY WITH 21-08.01, SBZO.
 - SLOPED ROOFS ARE CLAD IN ASPHALT SHINGLES (NNZO).
 - BRIGHT COLORS USED ONLY FOR SUBTLE TRIM ACCENTS, UP TO 10% OF THE FAÇADE AREA (NNZO).
 - WINDOW, OR WALL-MOUNTED AIR UNITS SHALL NOT FACE A STREET, OPEN SPACE, OR WALKWAY (NNZO).
 - SECURITY GATES: ONLY ON FRONT OR CORNER FAÇADES; AT LEAST 50% TRANSPARENT AND LOCATED WHOLLY BEHIND A WINDOW OR DOOR (NNZO).
 - NO RESIDENTIAL FAÇADES WITH CINDER/CONCRETE BLOCK, METAL PLYWOOD, AND UNFINISHED PRECAST OR POURED-IN-PLACE CONCRETE (NNZO).
 - CONCRETE AND CONCRETE MASONRY ONLY PERMITTED FOR BASEMENT FOUNDATION WALLS (NNZO).

- BUILDING TYPE**
- APARTMENT HOUSE TYPE (21-08.02(1), SBZO): CONTAINS 3-4 UNITS. DESIGNED TO LOOK LIKE A LARGE FAMILY HOME, SCALED FOR A SINGLE-FAMILY NEIGHBORHOOD.
 - TYPE C) APARTMENT HOUSE OR STACKED FLATS (NNZO):
 - ROOF: GABLED, HIPPED, OR FLAT
 - MAIN ENTRANCE: PROMINENTLY LOCATED ON THE FRONT FAÇADE

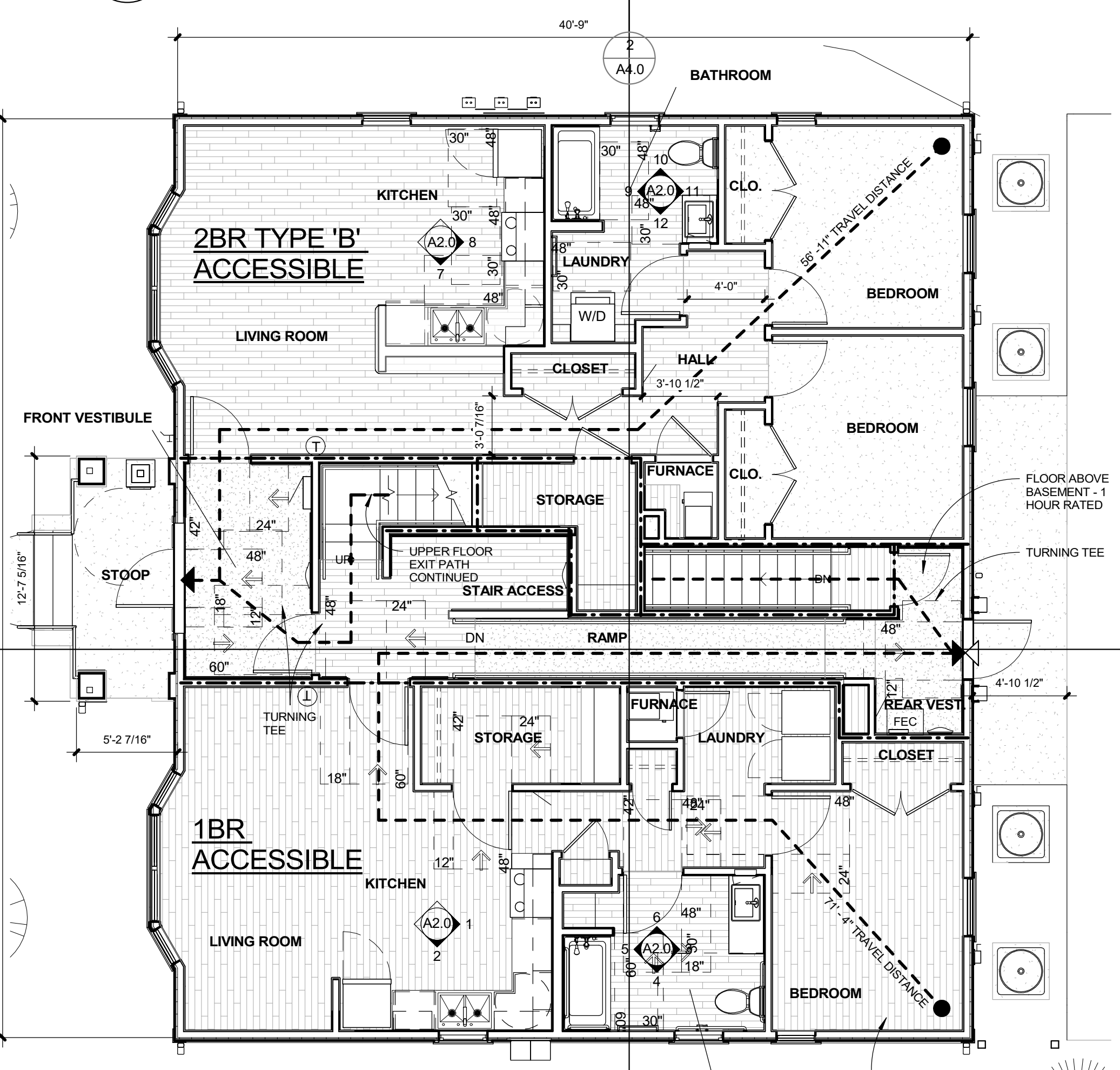
- SITE DEVELOPMENT**
- ACCESSORY STRUCTURES COMPLY WITH 21-06.02, SBZO.
 - FENCE/PREESTANDING WALL MAX HEIGHT:
 - FRONT & CORNER 3'. SIDE & REAR 6'
 - FENCES GREATER THAN 9' IN HEIGHT SHALL CONSIST OF A DECORATIVE ELEMENT THAT IS AT LEAST 50% OPEN (NNZO).
 - CHAIN-LINK FENCING IS PROHIBITED (NNZO).
 - FOR ATTACHED DWELLING UNITS, FRONT YARD FENCING IS OF A SINGLE, UNIFIED DESIGN FOR ALL UNITS WITHIN A PROJECT (NNZO).
 - WALLS SHALL BE CONSISTENT WITH THE BUILDING'S ARCHITECTURAL STYLE AND CHARACTER (NNZO).
 - TRASH CONTAINERS WILL NOT BE STORED IN AN ESTABLISHED FRONT OR CORNER YARD (NNZO).
- LANDSCAPE**
- STREETSCAPE TREES REQUIRED: 1 SHADE TREE PER EACH FULL 30' OF STREET FRONTAGE IN THE TREE LAWN (BETWEEN SIDEWALK AND STREET), EVENLY SPACED.
 - FOUNDATION LANDSCAPE IS NOT REQUIRED FOR RESIDENTIAL BUILDINGS WITH FOUR OR FEWER UNITS.
 - PARKING LOT SCREENING (4 OR MORE SPACES): PARKING VISIBLE FROM A SIDE/REAR LOT LINE ABUTTING A S1, U1, OR U2 DISTRICT IS SCREENED BY A TYPE 1 OR TYPE 2 BUFFER COMPLYING WITH 21-09.01(N), SBZO.
- SIGNS**
- RESIDENTIAL IS ALLOWED 1 BUILDING OR FREESTANDING SIGN PER STREET FRONTAGE, UP TO 2 SQUARE FEET AND 4 FEET IN HEIGHT, COMPLIES WITH 21-10, SBZO.
 - FREESTANDING SIGNS ARE LOCATED AT LEAST 5' AWAY FROM THE LOT LINE.
 - ANY ONE SIGN SHALL NOT EXCEED 100 SF IN SURFACE AREA (NNZO).
- UNIT DENSITY FOR U2 RESIDENTIAL**
- MAXIMUM DWELLING UNITS: 4
 - ACTUAL DWELLING UNITS: 4



BASEMENT FLOOR PLAN
SCALE: 3/16" = 1'-0"



UPPER FLOOR PLAN
SCALE: 3/16" = 1'-0"



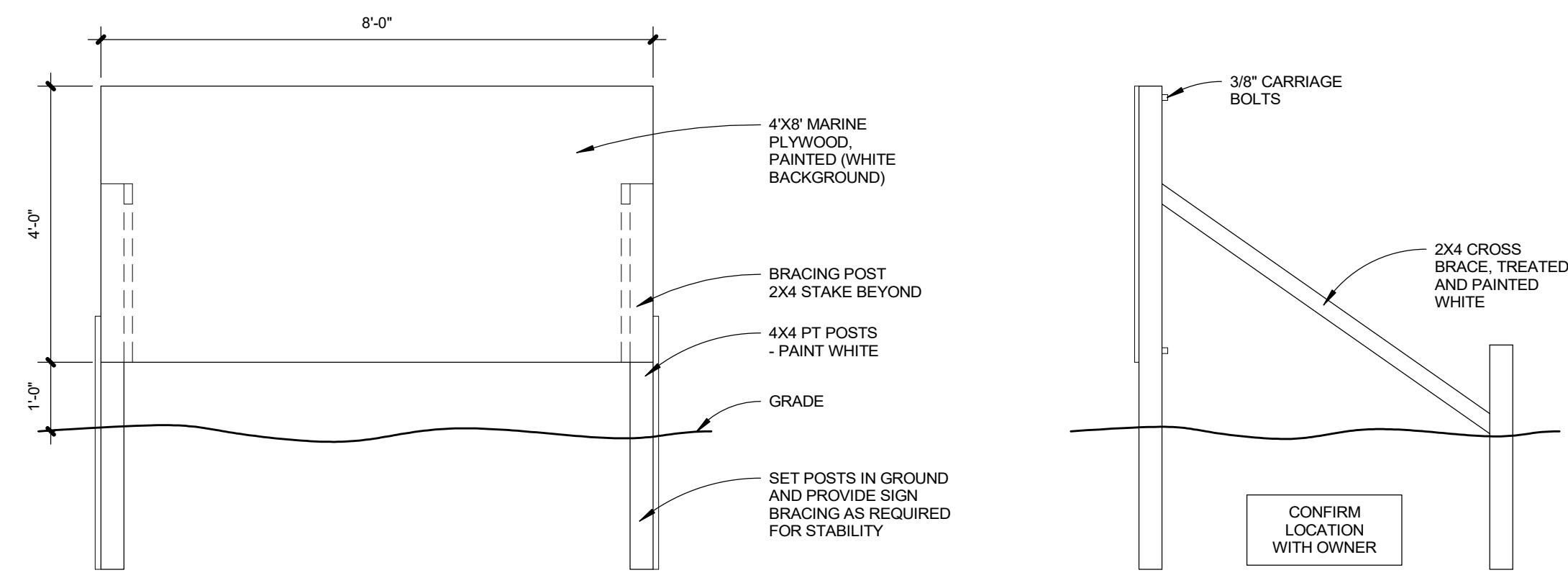
GROUND FLOOR PLAN
SCALE: 3/16" = 1'-0"

ENERGY CODE SUMMARY

CLIMATE ZONE	SOUTH BEND, IN CLIMATE ZONE: 5A		
BUILDING TYPE	RESIDENTIAL, MORE THAN TWO DWELLING UNITS		
APPLICABLE CODE	2010 INDIANA ENERGY CONSERVATION CODE (ASHRAE 90.1 2007 WITH INDIANA AMENDMENTS)		
THERMAL ENVELOPE	BUILDING COMPONENT	REQUIRED RATING (TABLE 5.5-5, RESIDENTIAL)	PROVIDED
	ROOF/CEILING:	R-38.0 MIN.	R-38.0
	EXTERIOR WALLS:	R-13.0 + R-7.5 C.I. MIN.	R-15.0 + R-6.2 C.I.
	WALLS BELOW GRADE:	R-7.5 C.I. MIN.	R-13
	FLOORS:	R-30.0 MIN.	N/A
	DOORS, OPAQUE, SWINGING:	U-0.500 MAX.	
	VERTICAL GLAZING 0%-40% OF WALL, NONMETAL FRAME:	U-0.35 MAX.	
	AIR LEAKAGE (5.4.3), NFRC 400:	0.4 CFMSQ.FT. MAX.	

CODE COMPLIANCE

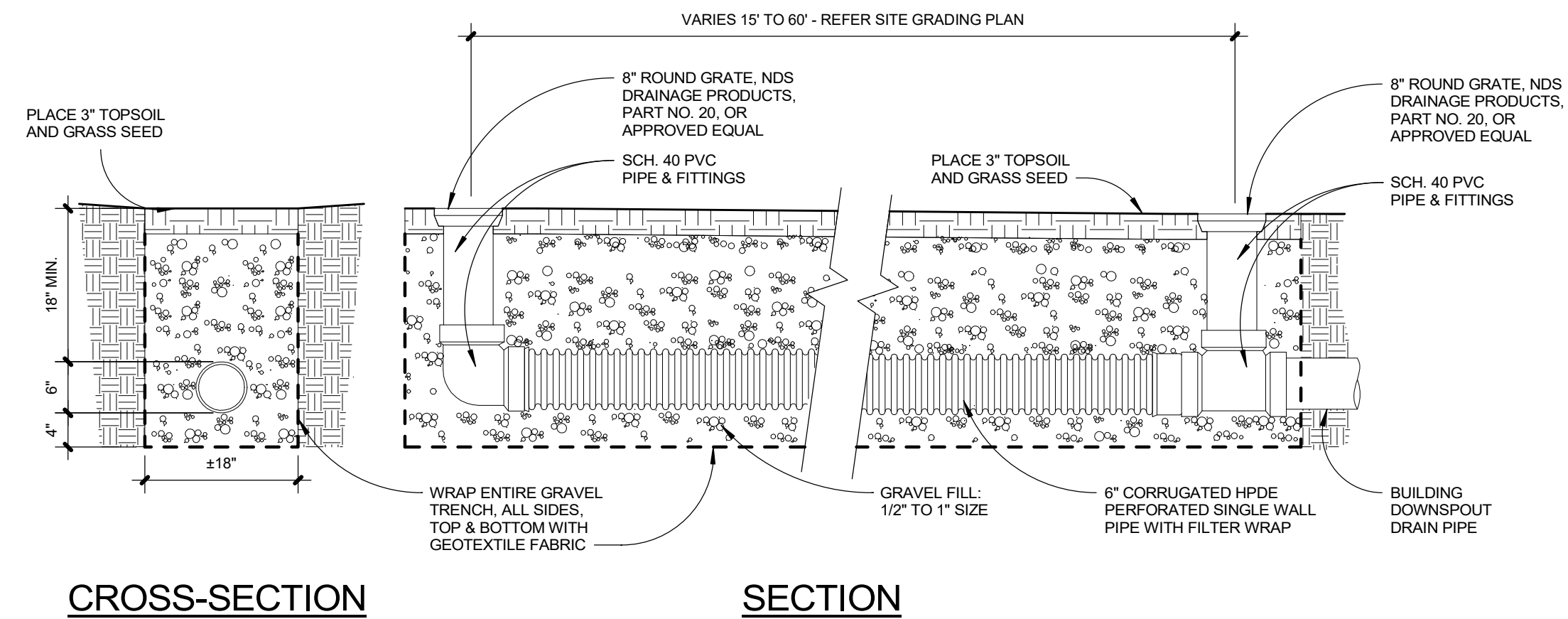
FILE PATH: C:\Users\ahhiker\Documents\Revit\2025\Turnock Street 4 - elev_ahhiker2\CH01.rvt
PLOT DATE: 2/27/2025 3:12:57 PM



TEMPORARY CONSTRUCTION SIGN

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

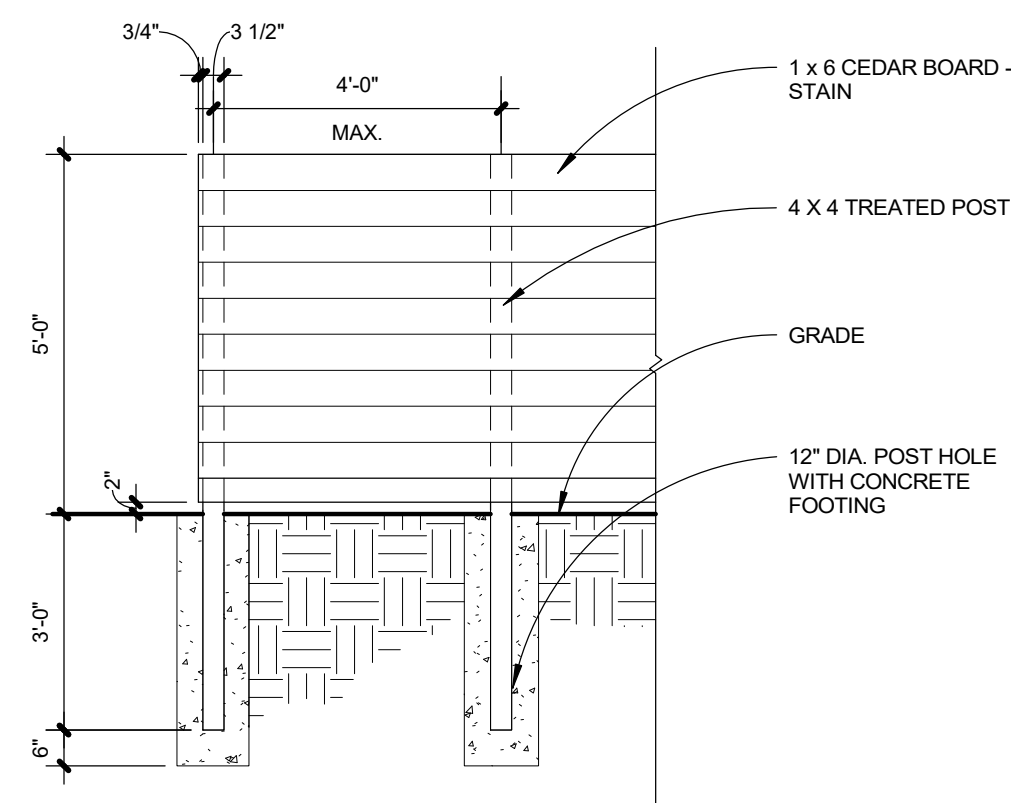
1
G2.0



DRAINAGE TRENCH DETAIL

SCALE: 3/4" = 1'-0"

2
G2.0



SITE SCREEN WALL SECTION

SCALE: 3/8" = 1'-0"

3
G2.0



SCREEN WALL EXAMPLE

SCALE: N.T.S.

4
G2.0

ALLIANCE ARCHITECTS
929 Lincolnway East, Suite 200 | South Bend, Indiana 46601



South Bend Heritage

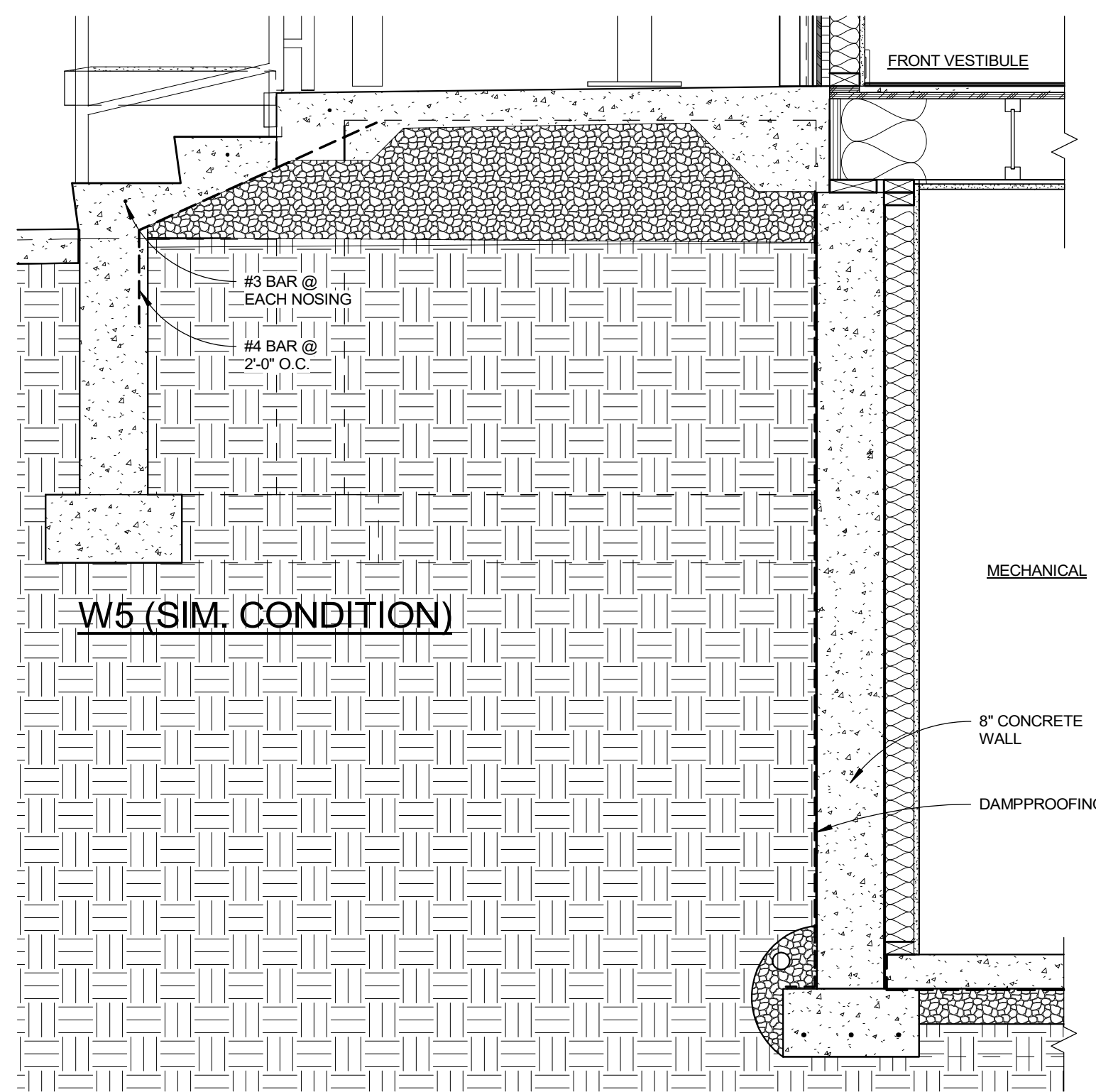
TURNNOCK STREET QUADPLEX
SOUTH BEND HERITAGE
712 TURNNOCK STREET
SOUTH BEND, INDIANA 46617

DATE:
03/07/2025

© 2025
ALLIANCE ARCHITECTS
ALL RIGHTS RESERVED

SHEET NO.
G2.0

SITE



FOUNDATION SECTION

SCALE: 3/4" = 1'-0"

1
S1.0

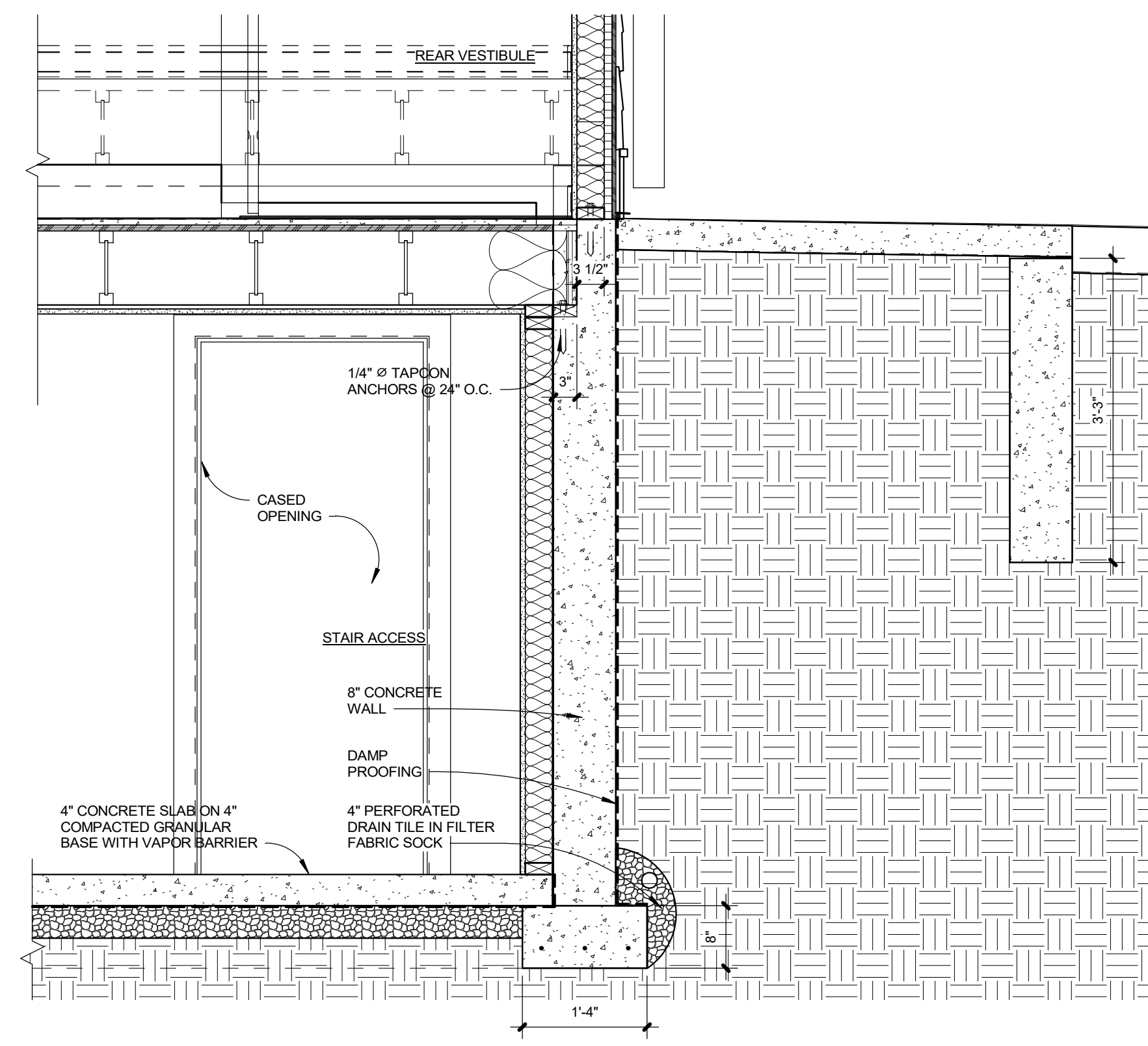
LEGEND

- W1 16" WIDE WALL FOOTING WITH PLAIN CONCRETE WALL - SEE DETAIL 7 / S1.0 (HEIGHT VARIES).
- W2 16" WIDE WALL FOOTING, WITH PLAIN CONCRETE WALL, W/ REVERSE BRICK LEDGE - SEE DETAIL 1 / S1.0
- W3 1'-4" WIDE THICKENED SLAB - SEE DETAIL 2 / S1.0
- W4 TURN-DOWN STOOP FOOTING - SEE DETAIL 3 / S1.0
- W5 16" WIDE WALL FOOTING, STOOP - REFER TO DETAIL 4 / S1.0
- CJ 1 1/4" x 1/8" CONTROL JOINT
- F1 2'-4" SQ X 8" ISOLATED FOOTING
- F2 + F3 SEE DETAILS 5 / S1.1

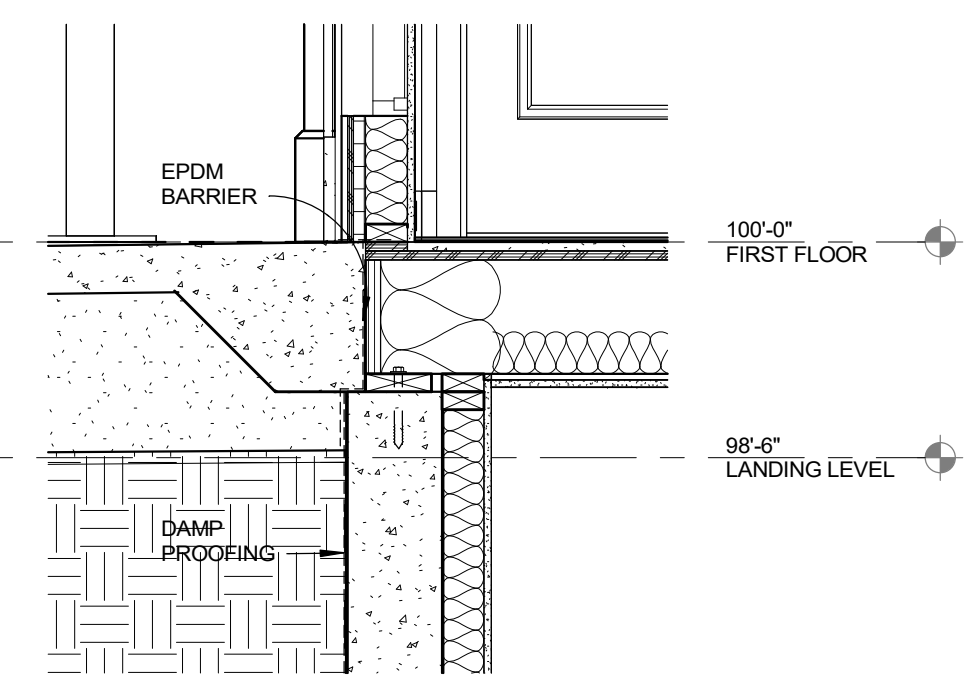
CAST-IN-PLACE CONCRETE

1. CAST-IN-PLACE CONCRETE SHALL BE REGULAR WEIGHT AND SHALL CONFORM TO THE LATEST ACI CODES AND STANDARDS, EXCEPT AS MODIFIED IN THE DESIGN DRAWINGS.
2. PROVIDE CONTROL JOINTS IN ALL INTERIOR AND EXTERIOR SLABS ON GRADE AND IN FOUNDATION WALLS, AS SHOWN ON DESIGN DRAWINGS. TOOL JOINTS WHILE CONCRETE IS STILL GREEN. FLUSH JOINTS CLEAN.
3. REINFORCING BARS - ASTM A-615, GRADE 60. ALL LAP SPICES SHALL BE 30 BAR DIAMETER UNLESS NOTED OTHERWISE.
 - A) PROVIDE CORNER BARS AT ALL CONCRETE INTERSECTIONS
 - B) DETAIL ALL REINFORCING STEEL PER ACI 318 AND ACI 315, CRSI "MANUAL OF STANDARD PRACTICE".
4. WELDED WIRE FABRIC: ASTM A-185
5. PORTLAND CEMENT: ASTM C-150 TYPE 1 CEMENT
6. FINE AGGREGATE: ASTM C-33, NATURAL, HARD, CLEAN SAND
7. COARSE AGGREGATE: ASTM C-33
8. AIR-ENTRAINED ADMIXTURE: ASTM C-260
9. ULTIMATE COMPRESSIVE STRENGTH OF CONCRETE AT AGE 28 DAYS SHALL BE:

FOUNDATIONS - FOOTINGS.....	3000PSI
FOUNDATION WALLS AND PIERS.....	4000PSI
SLABS ON GRADE.....	4000PSI
EXTERIOR FLATWORK.....	4000PSI
ALL OTHER CONCRETE.....	4000PSI
10. FINISH:
 - A) FLATWORK: TROWEL FINISH.
 - B) STOOPS AND CRAWL SPACE MUD SLAB: BROOM FINISH
11. SEALER: WATER-BORNE SEALER "MASTERKURE CC 1315WB" AS MANUFACTURED BY BASF, INC. OR EQUAL. APPLY TO INTERIOR / EXTERIOR FLATWORK AS PER MANUFACTURERS RECOMMENDATIONS.



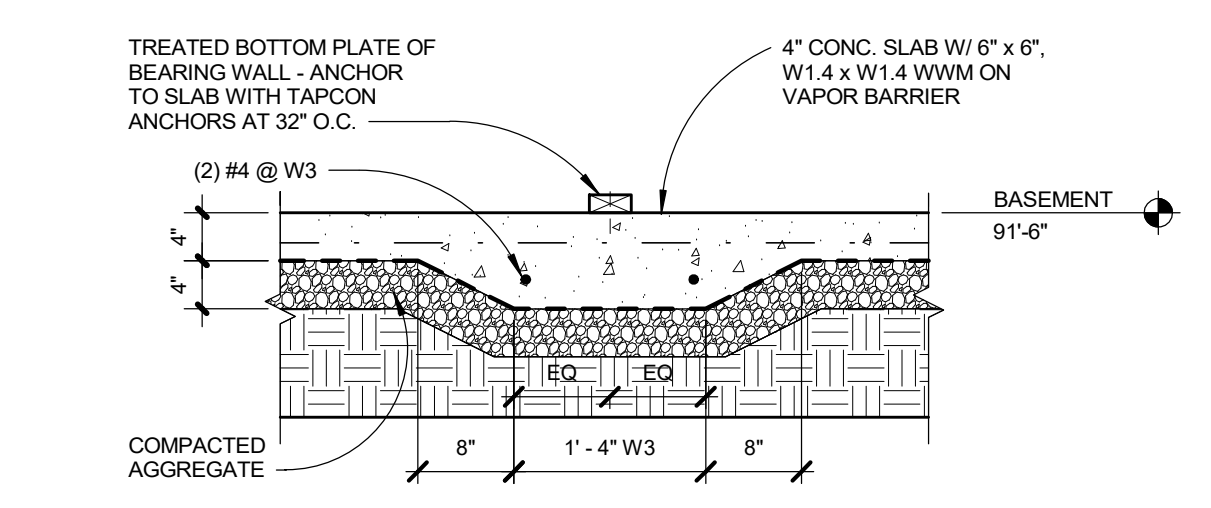
W2



FRONT ENTRY WALL DETAIL (W1)

SCALE: 3/4" = 1'-0"

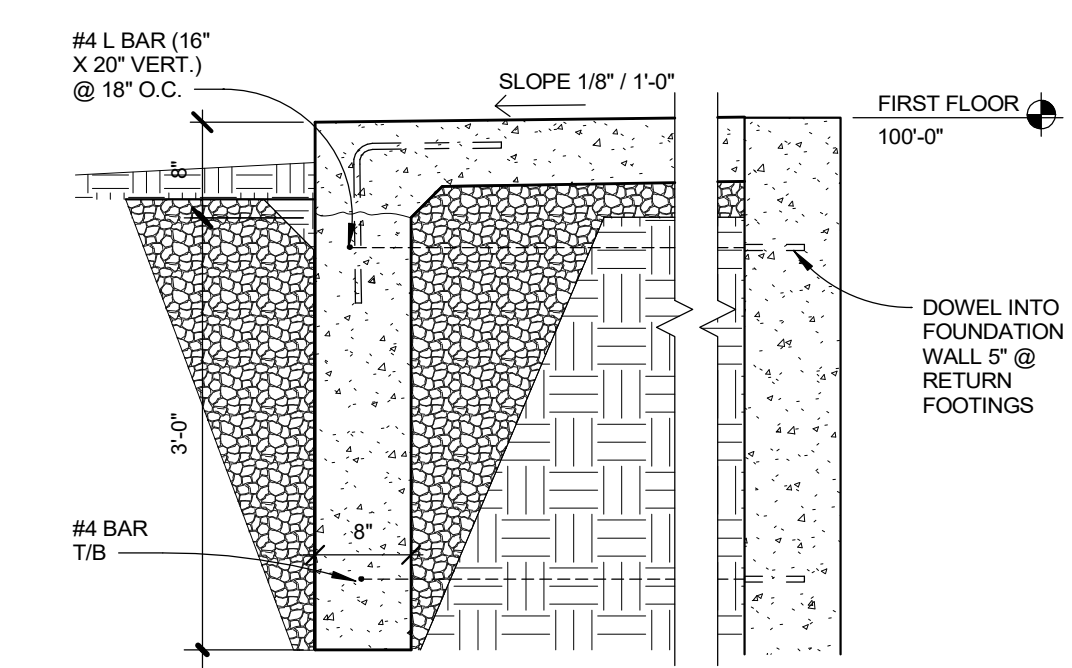
9
S1.0



THICKENED SLAB DETAIL (W3)

SCALE: 3/4" = 1'-0"

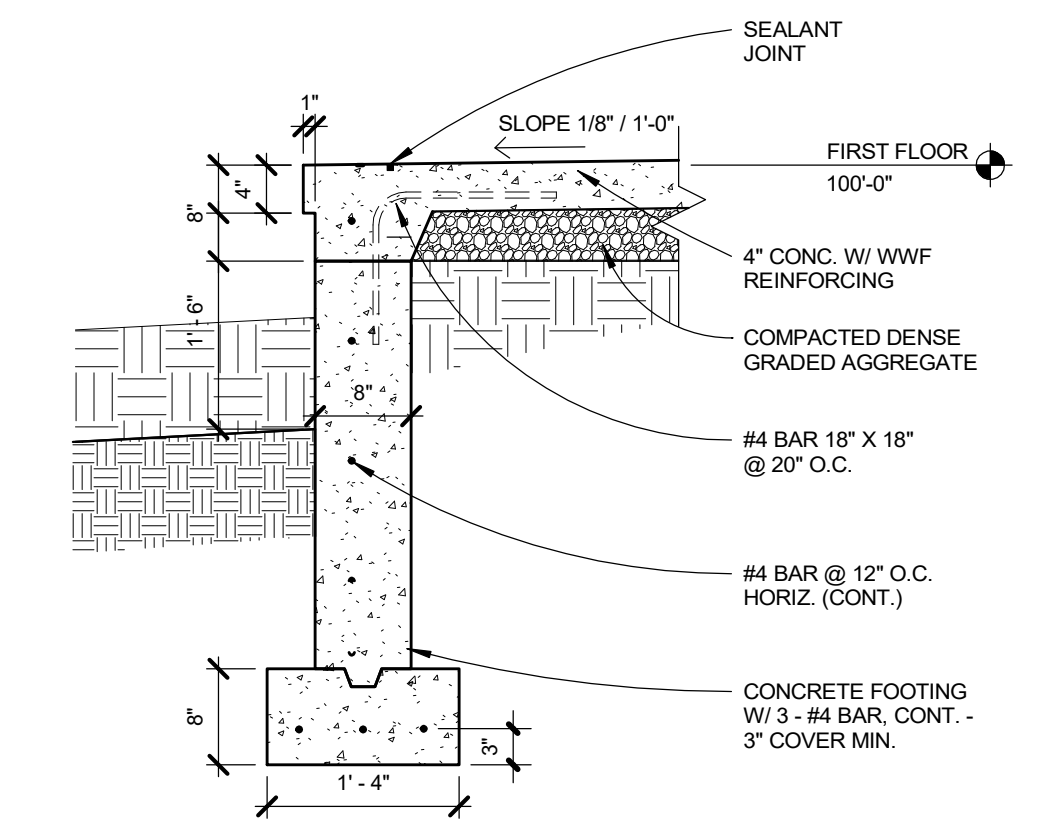
2
S1.0



FOOTING DETAIL (W4)

SCALE: 3/4" = 1'-0"

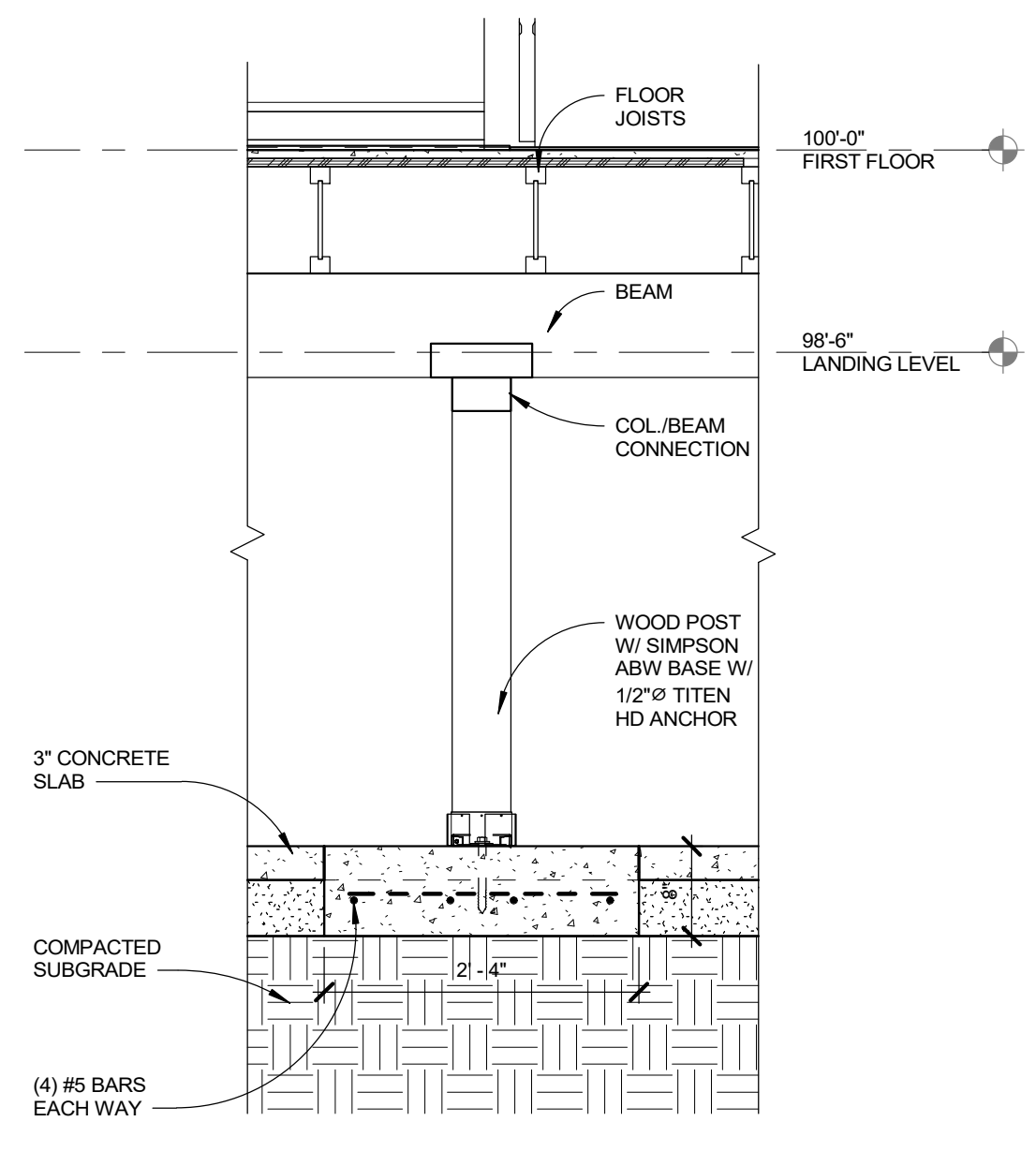
3
S1.0



FOOTING DETAIL (W5)

SCALE: 3/4" = 1'-0"

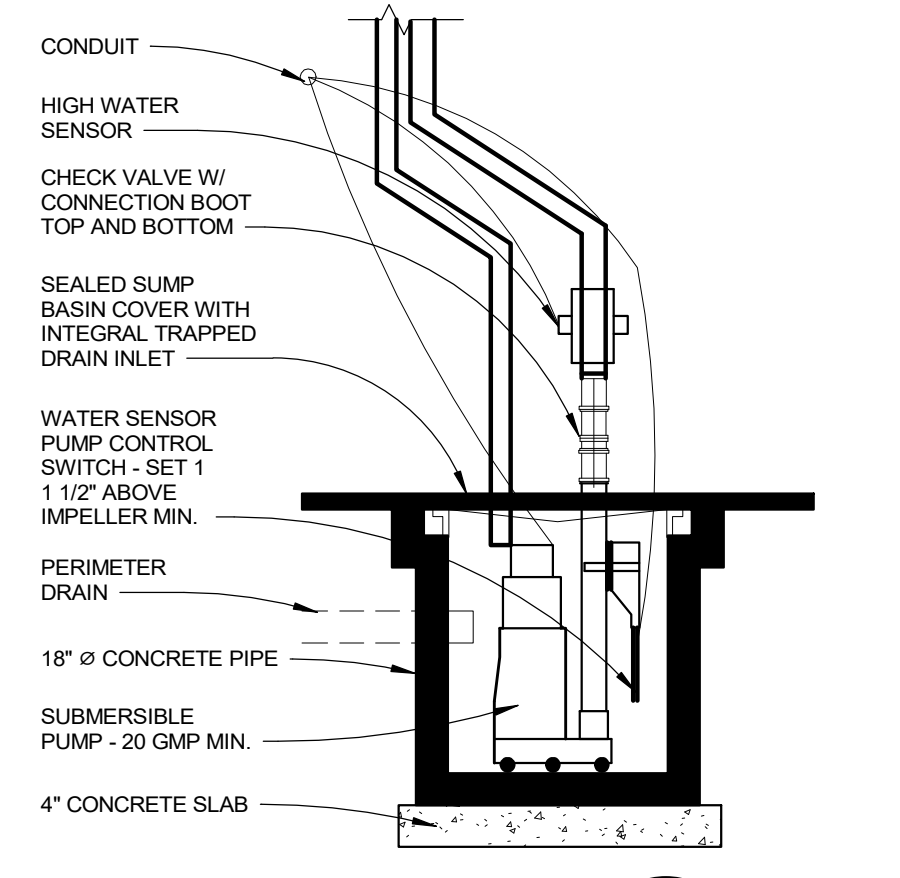
4
S1.0



FOOTING DETAIL (F1)

SCALE: 3/4" = 1'-0"

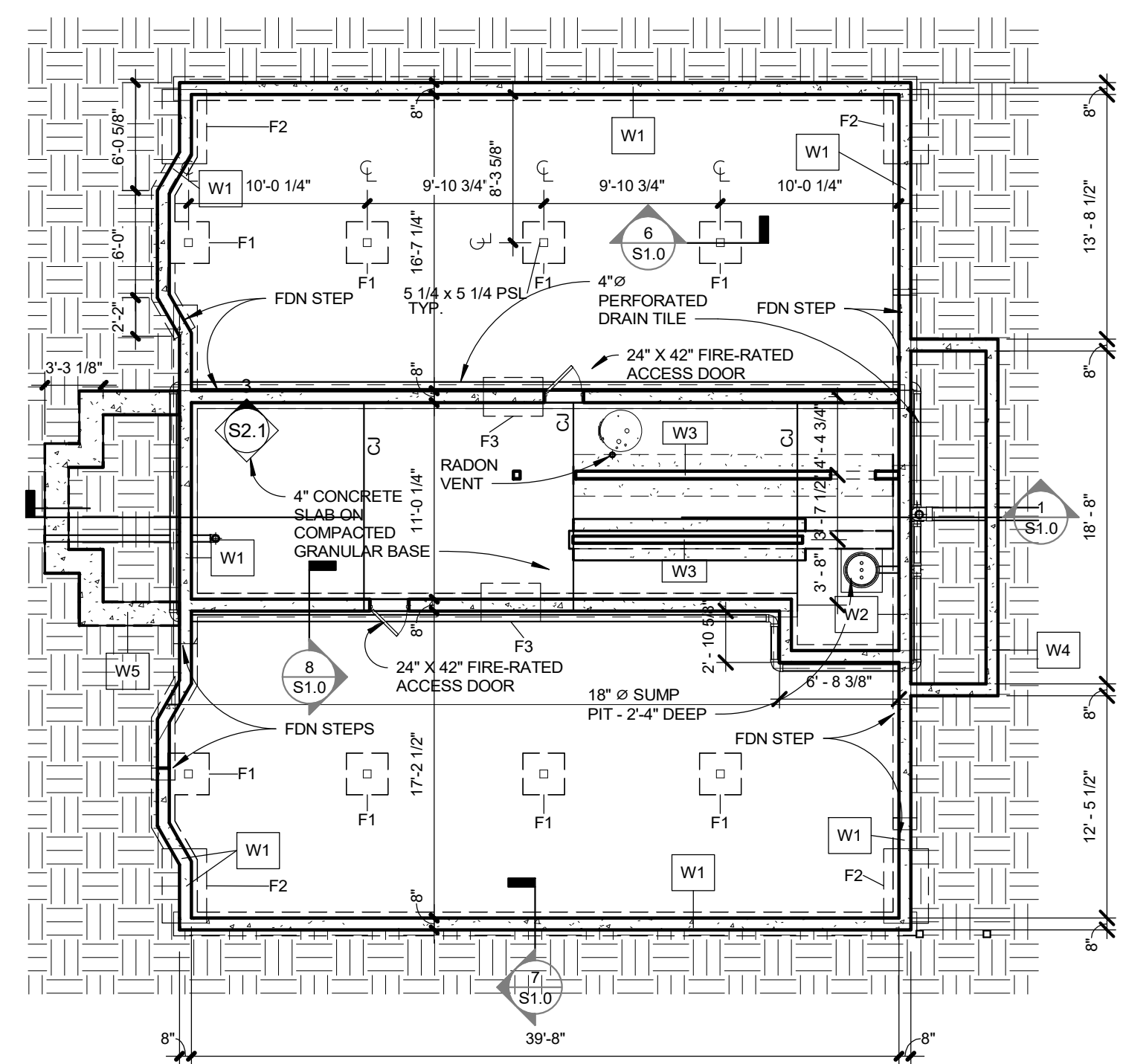
6
S1.0



SUMP PUMP

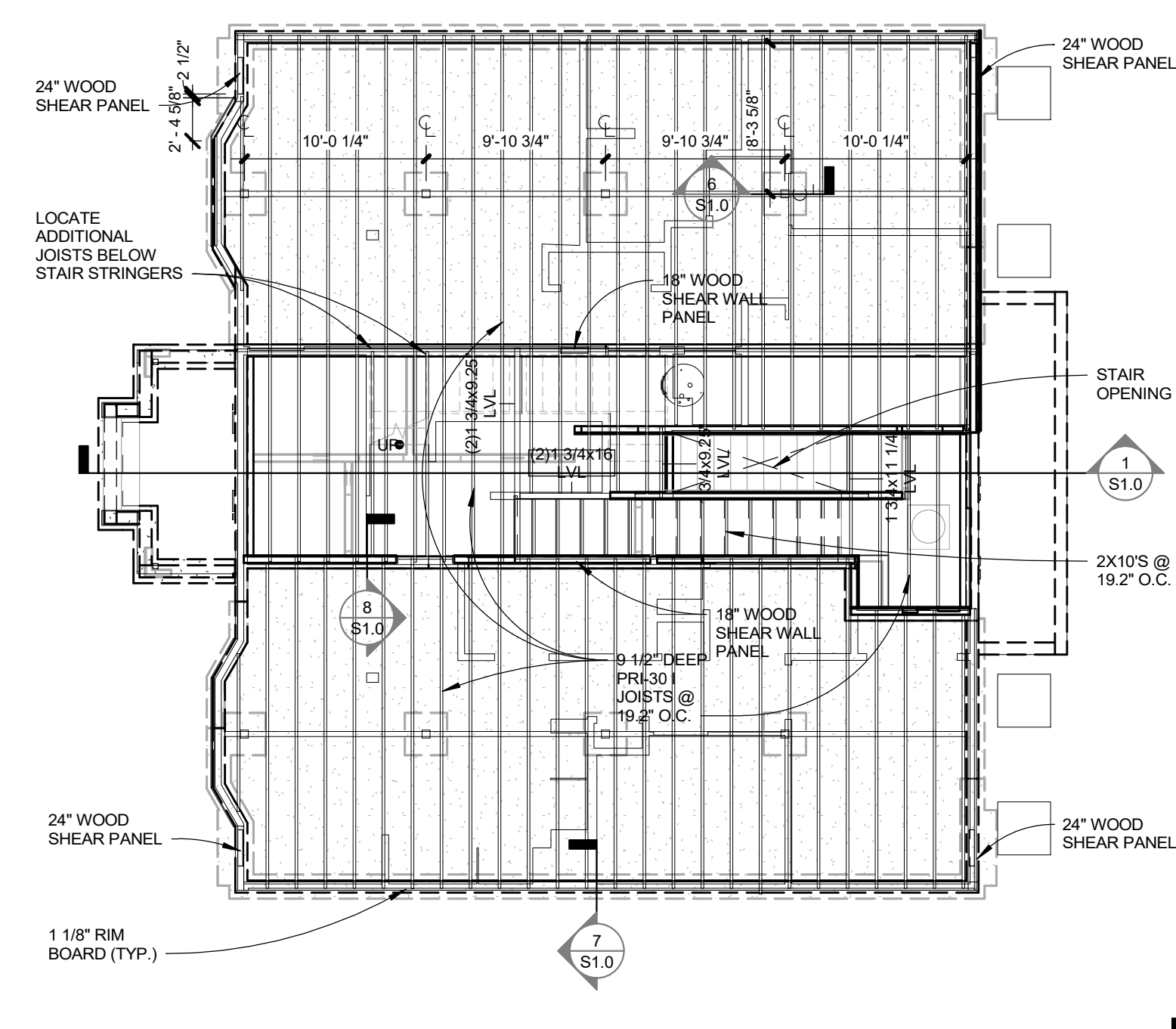
SCALE: N.T.S.

5
S1.0



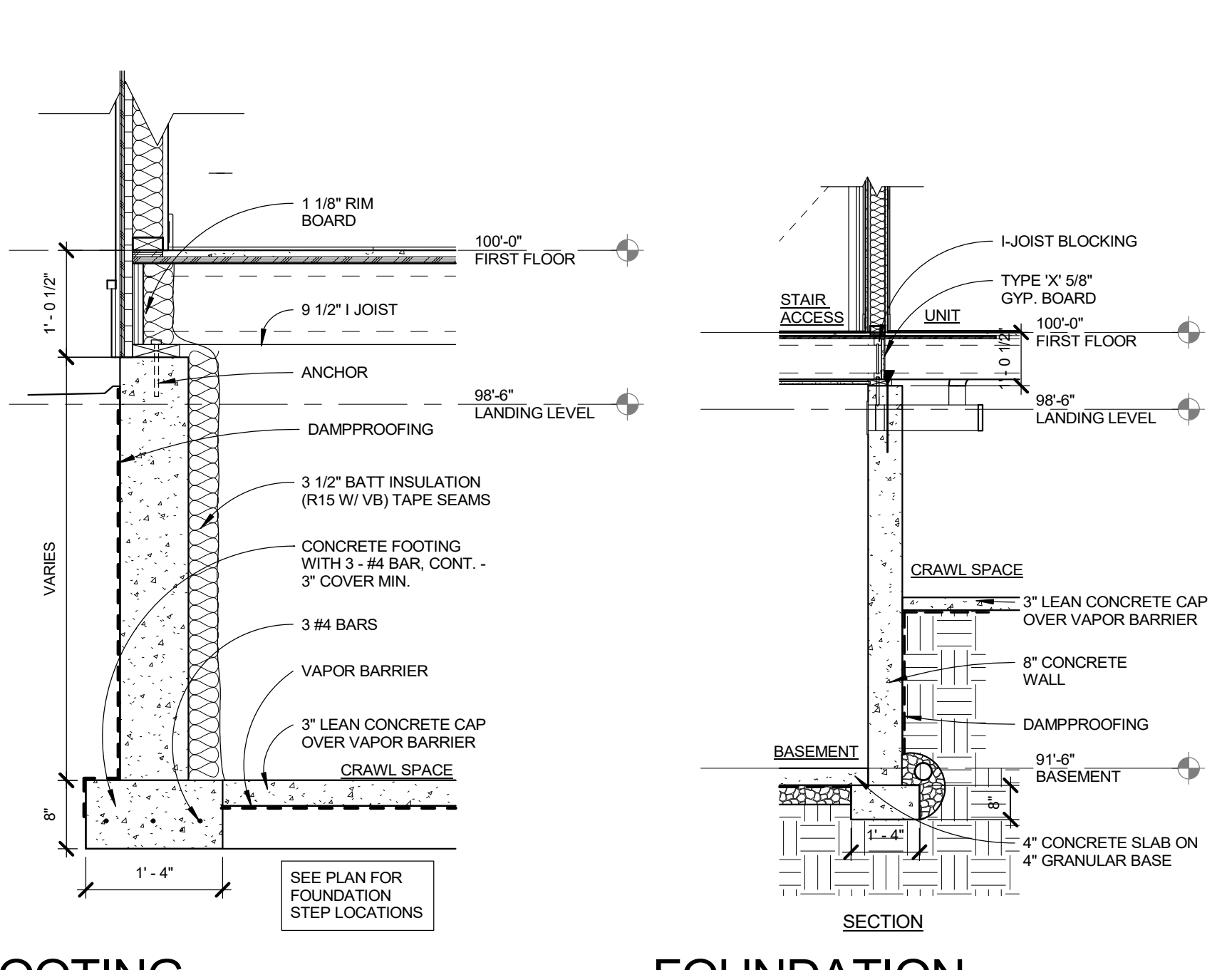
FOUNDATION PLAN

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



GROUND FLOOR FRAMING PLAN

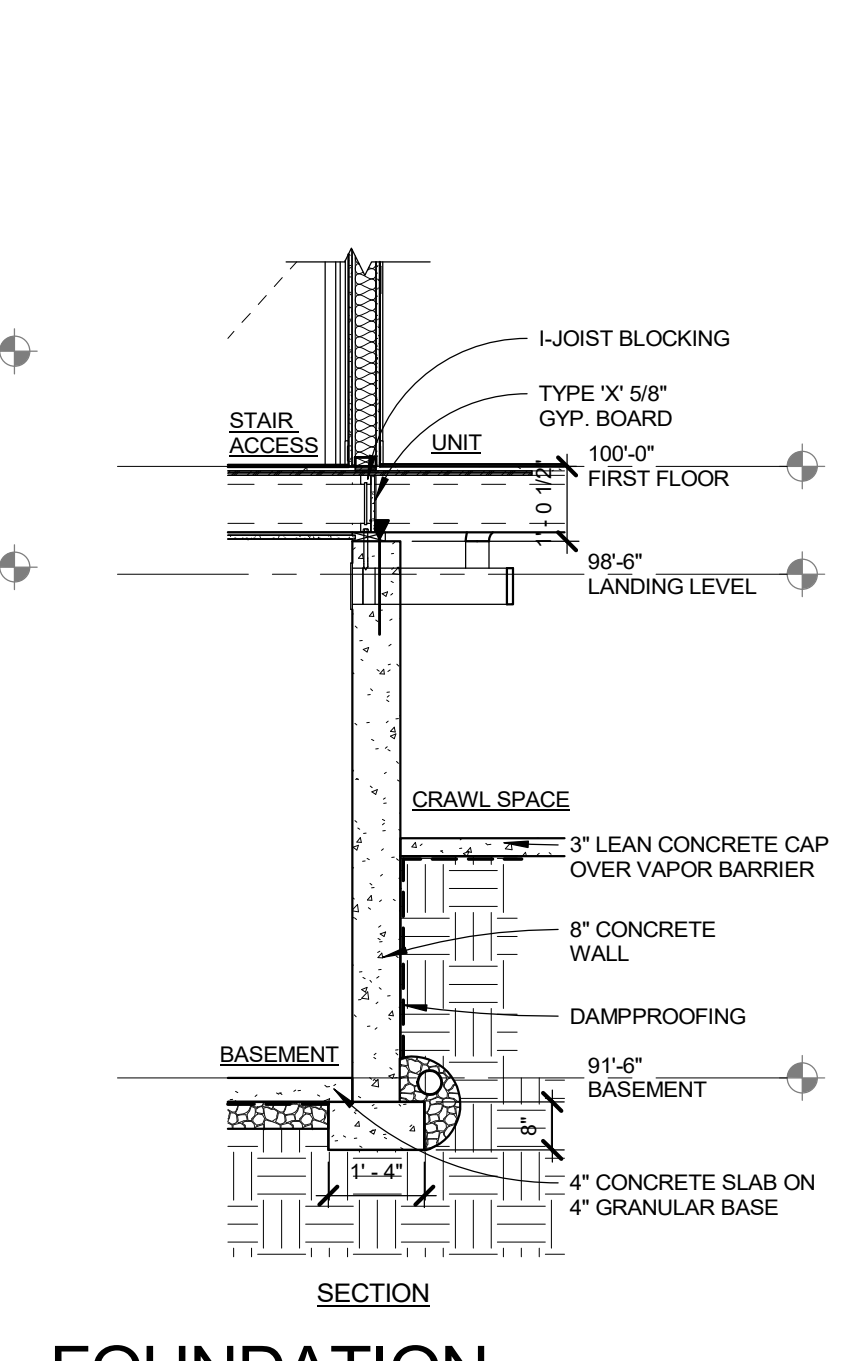
SCALE: 1/8" = 1'-0"



FOOTING INTERIOR WALL DETAIL (W1)

SCALE: 3/4" = 1'-0"

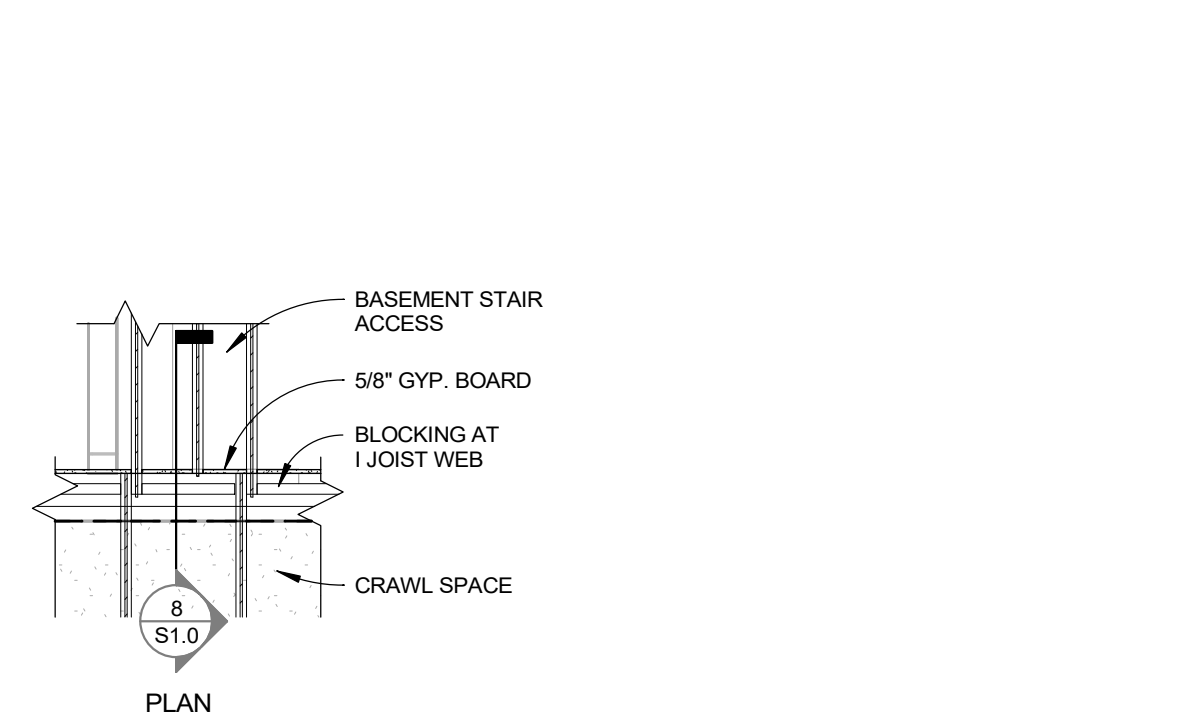
7
S1.0



FOUNDATION INTERIOR WALL

SCALE: 3/8" = 1'-0"

8
S1.0



PLAN

QUADPLEX BUILDING

FILE PATH: C:\Users\ahhiker\Documents\Revit\2025\Turnock Street 4 - elev_ahhiker\21CY11.rvt
PLOT DATE: 2/27/2025 3:13:04 PM

FLOOR & ROOF TRUSSES

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

1
S1.1

ROOF TRUSSES @ DORMER

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

2
S1.1

ROOF TRUSSES @ ENTRY CANOPY

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

6
S1.1

DORMER FRAMING PLAN

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

ROOF FRAMING PLAN

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

UPPER FLOOR FRAMING PLAN

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

STRUCTURAL NOTES

- REFER TO SPECIFICATIONS FOR ADDITIONAL WOOD FRAMING DESIGN VALUES.
- ROOF AND FLOOR TRUSSES SHALL BE ENGINEERED & DESIGNED BY TRUSS MANUFACTURER. SUBMIT CERTIFIED SHOP & ERECTION DRAWINGS FOR ARCHITECT'S REVIEW. DESIGN LOADS ARE AS FOLLOWS:

ROOF:		
TOP CHORD LIVE LOAD:	20 PSF	
TOP CHORD DEAD LOAD:	10 PSF, 13 PSF @ DOUBLE STACK TRUSSES	
BOTTOM CHORD DEAD LOAD:	5 PSF	
FLOOR:		
LIVE LOADS:		
APARTMENTS:	40 PSF	
CORRIDORS & STAIRS:	100 PSF	
DEAD LOADS:		
TOP CHORD:	20 PSF	
BOTTOM CHORD:	5 PSF	
NON-BEARING PARTITIONS:	15 PSF	

DESIGN SNOW DESIGN CRITERIA ARE AS FOLLOWS:

GROUND SNOW LOAD:	41 PSF
FLAT ROOF SNOW LOAD (P):	30 PSF (ROUNDED UP FROM 28.41)
SNOW DRIFT LOAD (AT ONE STORY ROOF):	25 PSF - 0 PSF
SNOW EXPOSURE:	1.0
SNOW IMPORTANCE FACTOR:	1.0
THERMAL COEFFICIENT (C _t):	1.1

DESIGN WIND DESIGN CRITERIA AS FOLLOWS:

BASIC WIND SPEED - 115 MPH (3 SEC. GUST)	
WIND EXPOSURE:	B
INTERNAL PRESSURE COEF.:	-0.18/+0.18
COMPONENT & CLADDING DESIGN PRESSURE:	-22.6 PSF WALLS
	-28.9 PSF ROOF
	-39.8 PSF ROOF CORNERS

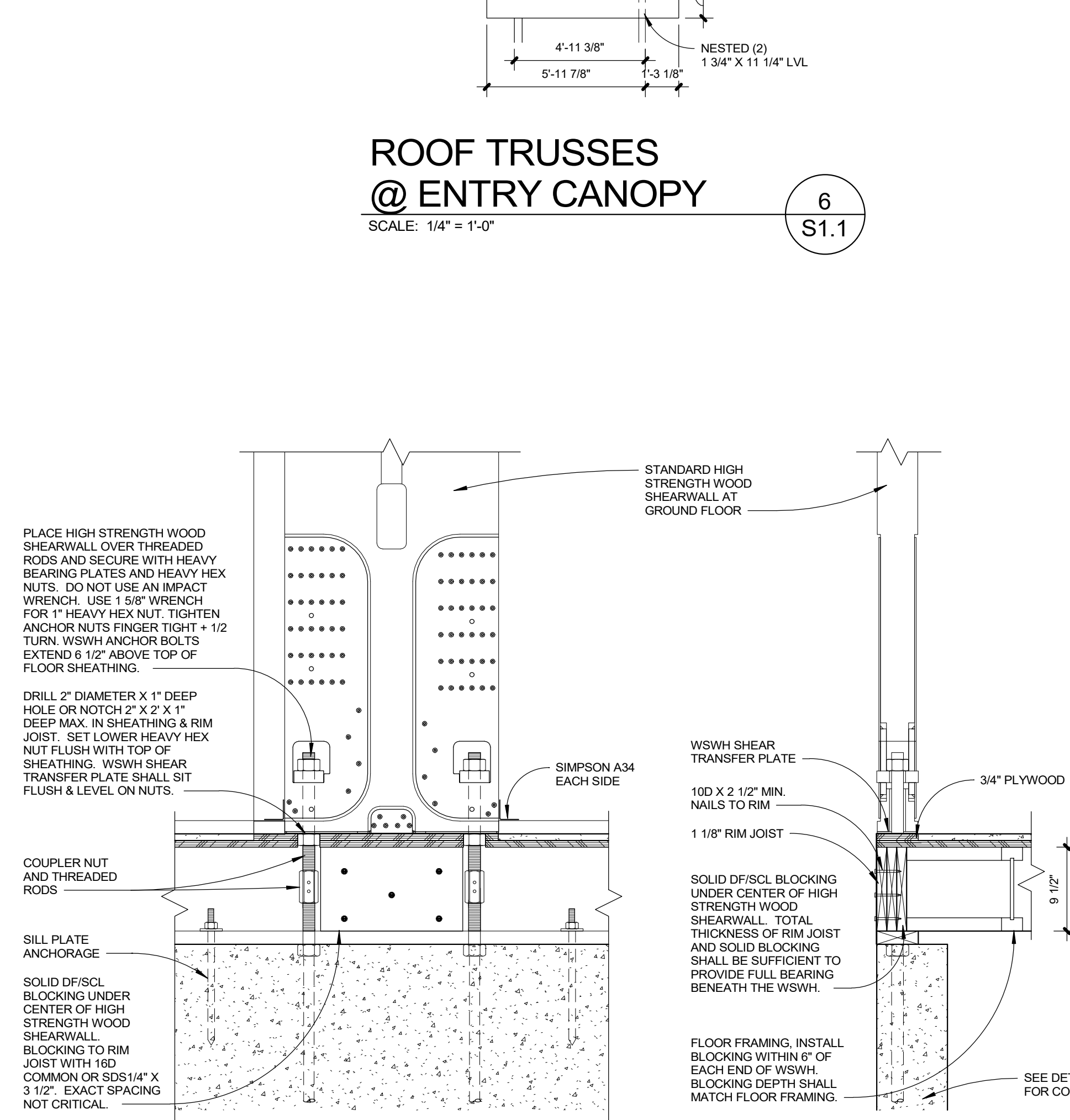
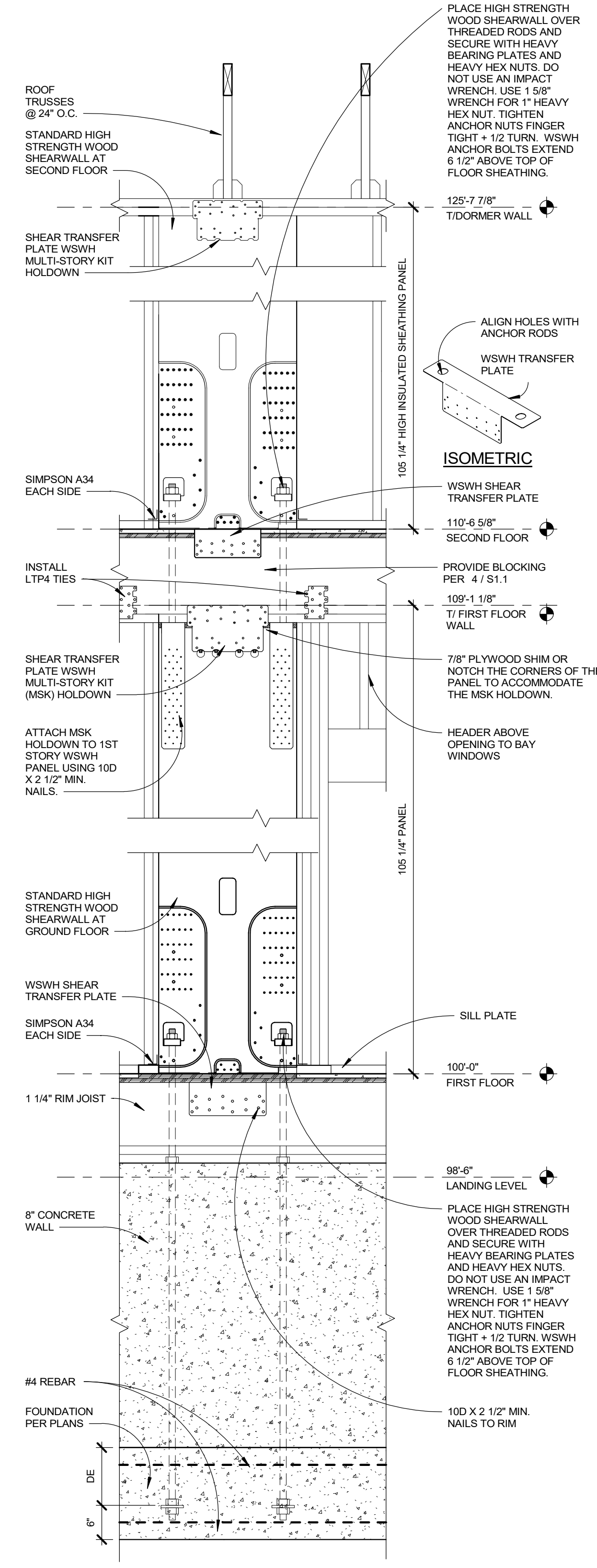
ROOF TRUSS SPACING 2'-0" O.C. U.N.O. ON PLANS. SEE WALL SECTIONS & ROOF PLAN FOR REQUIRED GEOMETRY.

ALL REQUIREMENTS FOR BLOCKING, BEARING, BRACING, ETC. SHALL COMPLY WITH CODE AND MFG'S RECOMMENDATIONS. PROVIDE SOLID BLOCKING BETWEEN FLOOR TRUSSES BLOCKING BETWEEN FLOOR TRUSSES AT SECOND FLOOR BEARING WALLS AND ABOVE GROUND FLOOR BEARING WALLS. SEE WALL SECTIONS.

PROVIDE ALL HANGERS AND ENGINEER ALL HEADERS, GIRDERS, ETC. NOT A PART OF THE WALL SYSTEM.

- COLUMNS SHALL BE AS FOLLOWS: PROVIDE STUDS UNDER ALL TRUSS GIRDERS, HEADERS, BEAMS AS NOTED ON BEAM HEADER SCHEDULE. NUMBER OF STUDS / COLUMN REFERS TO THE NUMBER OF TRIMMER STUDS.
- GROUND FLOOR NON-BEARING PARTITIONS SHALL NOT BE ERRECTED UNTIL FULL DEAD LOAD HAS BEEN APPLIED TO FLOOR FRAMING. AT THAT TIME INSTALL PARTITIONS TIGHT TO UNDERSIDE OF TRUSSES. CONNECT GROUND FLOOR WALLS TO ROOF OR FLOOR FRAMING WITH SIMPSON STC CLIPS.
- SEE WALL SECTIONS AND ROOF PLAN FOR DRAFT STOPS.
- NAIL AND GLUE FLOOR SHEATHING TO FLOOR TRUSSES.
- FLOOR/CEILING SYSTEM ABOVE THE GROUND FLOOR UNITS AND BETWEEN THE BASEMENT AND THE SPACES ABOVE SHALL PROVIDE A CONTINUOUS ONE HOUR RATED ASSEMBLY.
- PROVIDE SIMPSON HTS STRAP FROM UPPER FLOOR COLUMNS TO GROUND TO FLOOR COLUMNS.
- WHERE DUCTS FOR HVAC ARE RUN THRU ADJACENT FLOOR TRUSSES, WEB MEMBERS SHALL ALIGN TO ALLOW FOR CLEAR PASSAGE. REFER TO MECHANICAL SHEETS FOR LOCATION AND DUCT SIZES.
- PROVIDE SUPPORT @ ENDS OF BEAMS AS NOTED ON PLANS - WHERE NOT NOTED PROVIDE (2) - 2X4 STUDS MINIMUM.
- ALL WALL FRAMING SHALL BE 16" O.C. EXCEPT INTERIOR NON-BEARING WALLS SHALL BE 24" O.C.
- SEISMIC DESIGN PARAMETERS ARE AS FOLLOWS:

SEISMIC USE GROUP	= D
SEISMIC DESIGN CATEGORY	= B
BASIC SEISMIC FORCE RESISTING SYSTEM	LIGHT FRAME BEARING WALLS WITH GYPSUM BOARD & ENGINEERED SHEAR PANELS
SEISMIC IMPORTANCE FACTOR	= 1.0
MAPPED SPECTRAL RESPONSE ACCELERATIONS	S _s = 0.096g
SPECTRAL RESPONSE COEFFICIENTS	S _{DS} = 0.102g
	S _{DI} = 0.091g
- SITE CLASSIFICATION = D
- SEISMIC DESIGN CATEGORY = B
- BASIC SEISMIC FORCE RESISTING SYSTEM LIGHT FRAME BEARING WALLS WITH GYPSUM BOARD & ENGINEERED SHEAR PANELS
- SEISMIC RESPONSE COEF. (R_s) = 0.051g
- RESPONSE MODIFICATION FACTOR (R) = 2
- ANALYSIS PROCEDURE = EQUIVALENT LATERAL FORCE PROCEDURE



BRACING PANEL (INTERIOR)

SCALE: 1" = 1'-0"

4
S1.1

BRACING PANEL FOOTING

SCALE: 3/4" = 1'-0"

5
S1.1

BRACING PANEL (EXTERIOR) ELEVATION

SCALE: 3/4" = 1'-0"

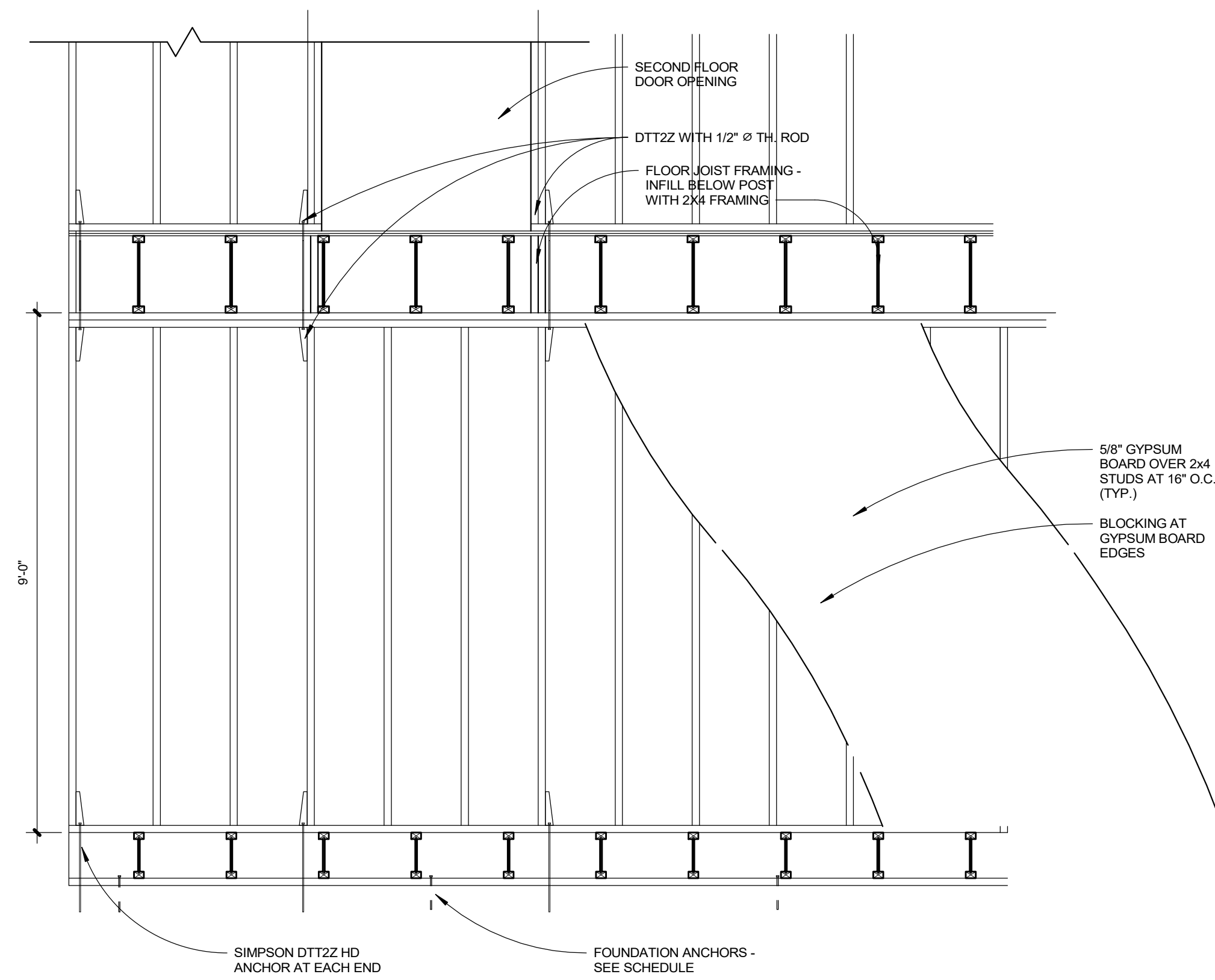
3
S1.1

CEILING TRANSITION @ STAIR

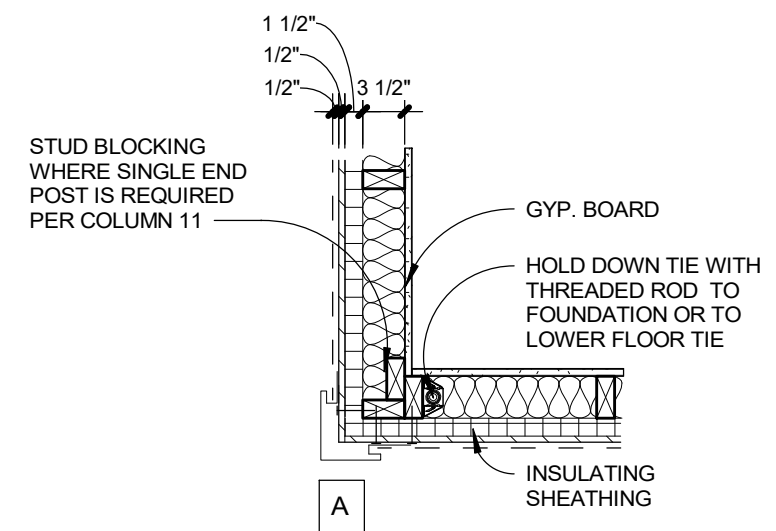
SCALE: 1" = 1'-0"

7
S1.1

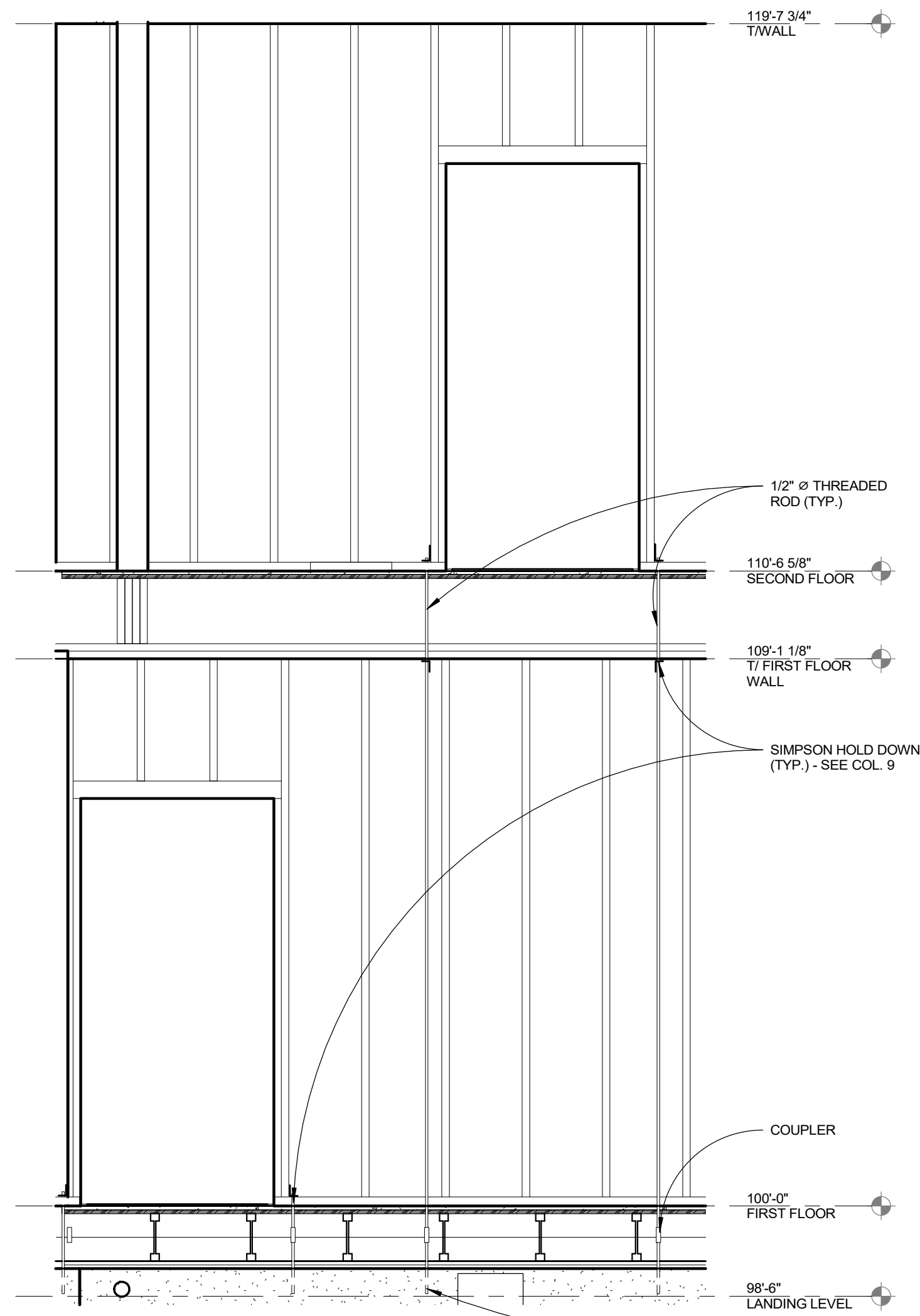
FILE PATH: C:\Users\shahid\Documents\Revit\2021\Turnock Street 4.dwg..._all\shahid210111.rvt
PLOT DATE: 2/27/2025 3:13:09 PM



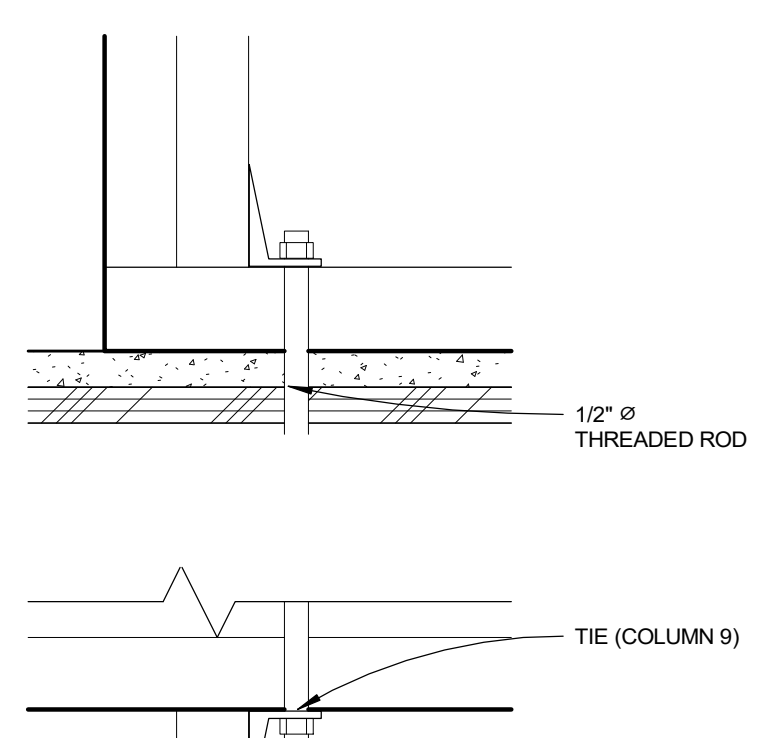
SHEAR WALL DETAIL - INTERIOR
SCALE: 1/2" = 1'-0"
2 S2.1



SHEAR WALL END DETAILS
SCALE: 3/4" = 1'-0"
1 S2.1



SWD AND SWF ELEVATION
SCALE: 1/2" = 1'-0"
3 S2.1



FLOOR TIE DETAIL
SCALE: 3" = 1'-0"
4 S2.1

SHEATHING SCHEDULE			
MARK	SHEATHING	NAILS - SPACING EDGE/FIELD	REMARKS
A1	EXT. WALL SHTH. OR SHEAR WALL SHTH.	8d NAILS @ 6"12" OR 6d NAILS @ 6"12"	SPF STUDS @ 16" O.C.
B1	INSULATED EXT. WALL SHTH. W/ 5/8" GYP. BOARD INTERIOR	8" O.C. @ EDGES AND 12" @ FIELD. NO. 6 TYPE S OR W 1 1/4" DRYWALL SCREWS.	SEE NOTE 2 FOR ZIP-SYSTEM NAILING - NO BLOCKING
C1	5/8" GYP. BD. WALLBOARD ONE SIDE	8" O.C. @ EDGES AND 12" @ FIELD. NO. 6 TYPE S OR W 1 1/4" DRYWALL SCREWS.	EDGES UNBLOCKED

SHEAR WALL MARK L.	WALL SHEATHING REQUIREMENTS		FASTENER SPACING				SHEAR WALL PANEL TYPE	SHEAR WALL PANEL DETAIL REFERENCE	HOLD DOWN AT ENDS AND OPENINGS	STUDS @ HOLDDOWN & PANEL ENDS	
	GROUND FLOOR	UPPER FLOOR/ ATTIC WALL	FND. (1/2" ANCHORS AND U.N.O.)	UPPER FLR. TIES OR FASTENER	UPPER FLR. WALL PLATE TO TRUSS	ROOF DECK TO TRUSS OR BRACING PANEL				GND. FLR.	UPPER FLR.
	COL. 1	COL. 2	3	4	5	6				10	11
SWA 47.5'	B1*	B1*	1/2" @ 10" @ 6'-0" O.C. LTP4 @ 2'-6" O.C.	--	SIMPSON A34 @ 4 PANELS	(4) 8d NAILS @ 4" O.C.	24" SIMPSON WOOD STRONG WALLS - MULTI STORY	3 / S1.1	SEE PLAN	2 - 2x4	1 - 2x4
SWB 40.5'	B1	B1	1/2" @ 10" @ 6'-0" O.C. LTP4 @ 5'-0" O.C.	LTP4 @ 8'-0" O.C.	SIMPSON A34 @ 2 PANELS	(4) 8d NAILS @ 4" O.C.	--	--	--	1 - 2x4	1 - 2x4
SWC 47.5'	B1*	B1*	1/2" @ 10" @ 6'-0" O.C. LTP4 @ 2'-6" O.C.	--	SIMPSON A34 @ 4 PANELS	(4) 8d NAILS @ 4" O.C.	24" SIMPSON WOOD STRONG WALLS - MULTI STORY	3 / S1.1	--	2 - 2x4	1 - 2x4
SWD 24.5'	C1*	C1 A1	1/2" @ 10" @ 7'-0" O.C.	16d NAILS @ 16" O.C.	SIMPSON A34 @ 3'-0" O.C.	8d NAILS @ 12" O.C.	18" SIMPSON WOOD STRONG WALLS - GROUND FLOOR	4 / S1.1	DT2Z-SDS2.5 W 8-1/4" X 1 1/2" SDS & 1/2" THREADED ROD	2 - 2x4	1 - 2x4
SWE 16.0'	C1	C1 A1	1/2" @ 10" @ 7'-0" O.C.	16d NAILS @ 16" O.C.	SIMPSON A34 @ 3'-6" O.C.	8d NAILS @ 12" O.C.	--	--	--	2 - 2x4	1 - 2x4
SWF 34.3'	C1*	C1 A1	1/2" @ 10" @ 7'-0" O.C.	16d NAILS @ 16" O.C.	SIMPSON A34 @ 3'-0" O.C.	8d NAILS @ 12" O.C.	18" SIMPSON WOOD STRONG WALLS - GROUND FLOOR	4 / S1.1	DT2Z-SDS2.5 W 8-1/4" X 1 1/2" SDS & 1/2" THREADED ROD	2 - 2x4	1 - 2x4

- NOTES**
- SHEATHING SHALL BE INSTALLED ON THE SAME SIDE AT THE SHEAR WALL CALL OUT AT SINGLE STUD WALLS. AT DOUBLE STUD WALLS INSTALL SHEATHING ON THE SAME SIDE AS THE SHEAR WALL CALL OUT (CAVITY SIDE OF STUD)
 - INSULATED SHEATHING SHALL BE NAILED 6" O.C. @ EDGES AND 12" @ FIELD. 0.113" SHANK NAILS. NAILS SHALL BE AT LEAST 3/8" FROM EDGES AND PENETRATE 1" INTO STUDS. UTILIZE A FLUSH NAILING COLLAR FOR PNEUMATIC NAILING.
 - PROVIDE STUD COLUMN(S) AT EACH END OF SHEAR WALL AS NOTED IN COLUMNS 10 & 11 ABOVE.
 - SHEAR WALL SHEATHING PANELS SHALL CONFORM TO DEPT. OF COMMERCE PRODUCT STANDARDS PS 1 OR PS 2. SEE SPECIFICATIONS FOR REQUIRED MATERIAL THICKNESS UNLESS NOTED ON THE SHEATHING SCHEDULE.
 - GYP. BOARD WALLBOARD NAILS SHALL BE 6d COATED NAILS, 1-7/8" LONG, 1/4" HEAD OR WALLBOARD NAIL 1-7/8" LONG, 19/64" HEAD OR 0.12" NAIL W/ 3/8" HEAD.
 - TOP PLATE OF SHEAR WALLS TO LAP 4'-0" MINIMUM AND EXTEND OVER INTERSECTING WALLS.
 - INSTALL A SIMPSON H10A TIE @ EACH TRUSS BEARING POINT. INSTALL ON INTERIOR FACE OF WALL.
 - WHERE SHOWN ON THE ROOF PLAN, INSTALL DRAFTSTOP MATERIAL ON SIDE OF TRUSS ABOVE THE SHEAR WALL. NAIL ROOF SHEATHING TO TRUSS PER COL. 6.
 - AT TRUSS ENERGY HEEL, INSTALL TRUSS BLOCKING PANELS BETWEEN TRUSSES WHERE INDICATED ON PLAN. FASTEN TO TOP PLATE WITH SIMPSON A34 TIE W/ (4) 0.131" X 1 1/2" NAILS EACH MEMBER. NAIL ROOF SHEATHING TO TOP PLATE OF PANEL PER NAILING NOTED IN COL. 6. SEE WALL SECTIONS.
 - EXTEND INSULATED SHEATHING VERTICALLY FROM BOTTOM PLATE OF WALL TO LOWER PLATE AT THE TOP OF THE WALL. TYPICAL EACH FLOOR. INFILL AT FLOOR LINE WITH INSULATING SHEATHING FASTENED TO PLATES WITH NAILING NOTED FOR WALL AREAS.
 - FLOOR SHEATHING SHALL BE NAILED AND GLUED TO JOISTS. UTILIZE 1/4" BEAD OF "CLIMATE GP" GENERAL PURPOSE CONSTRUCTION ADHESIVE BY CLIMATE, INC. KALAMAZOO, MICHIGAN. INCLUDE A BEAD AT THE RIM BOARD.
 - FASTEN SIMPSON LTP4 TIES WITH (12) 0.131" X 1 1/2" NAILS (6) INTO WALL PLATE AND (6) INTO RIM BOARD.

FILE PATH: C:\Users\ahaker\Documents\Revit\2024\Turnock Street 4 - flex_ahaker\2\CH1.rvt
PLOT DATE: 2/7/2025 3:13:12 PM

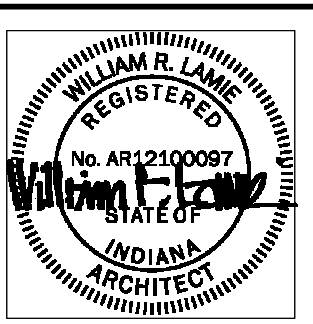


DATE:
03/07/2025

© 2025 ALLIANCE ARCHITECTS
ALL RIGHTS RESERVED

SHEET NO.

S2.1



GENERAL NOTES

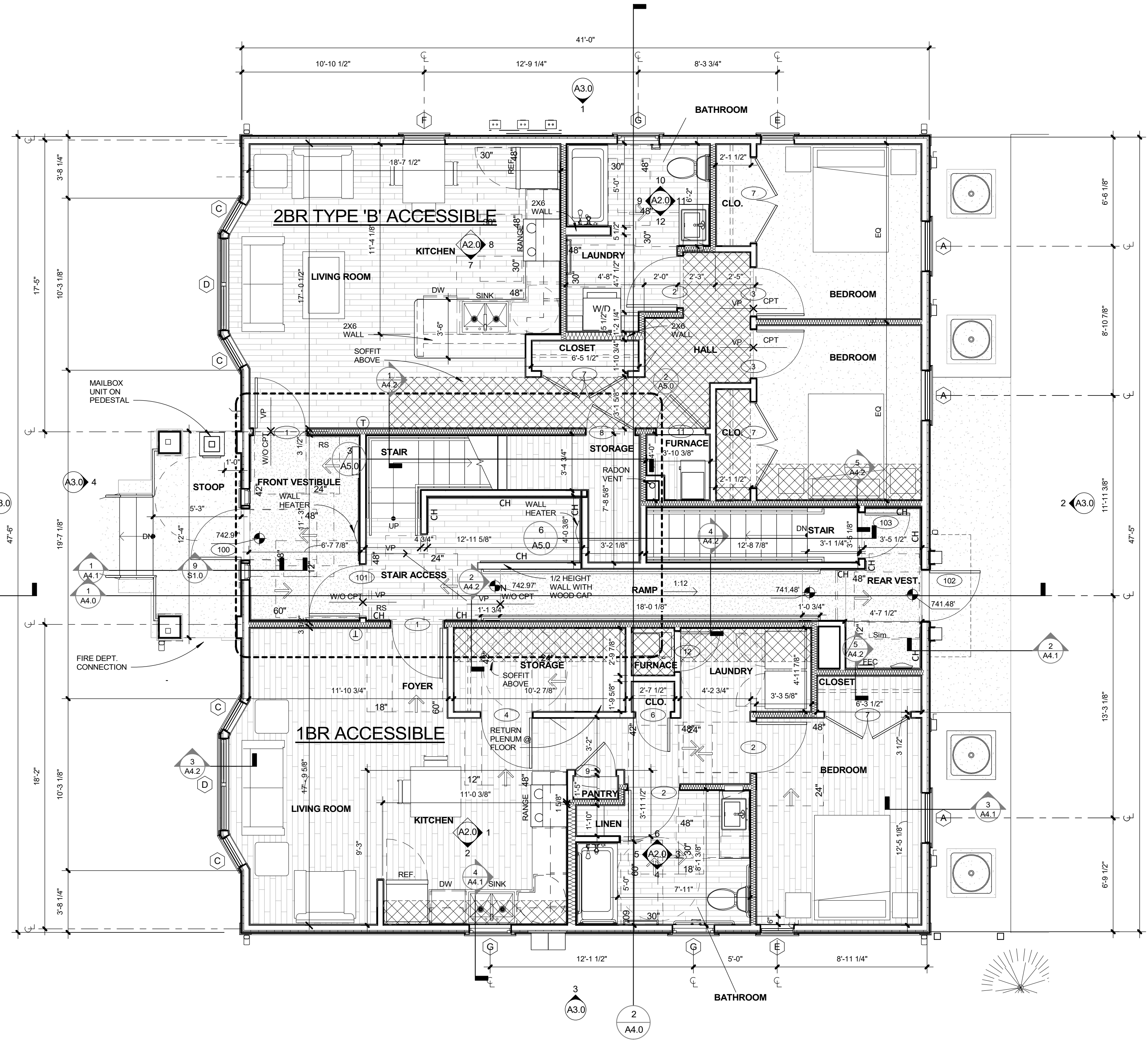
- PLAN DIMENSIONS ARE NOTED TO THE OUTSIDE FACE OF INSULATED SHEATHING AT EXTERIOR WALL.
- PLAN DIMENSIONS ARE NOTED TO FACE OF STUD WALL AT INTERIOR PARTITIONS.
- BUILDING FINISH FLOOR ELEVATIONS TO BE 18" ABOVE BACK OF CURB. COORDINATE WITH SITE DRAWING PLANS FOR FINAL FLOOR ELEVATIONS.
- COORDINATE STEP DESIGN FOR STREET SIDE OF QUADPLEX WITH FINAL GRADING PLAN.

WALL LEGEND

- PARTITION WALLS**
 - (NON-INSULATED) 1/2" GYPSUM BOARD (BOTH SIDES)
 - 2x4 WOOD STUDS @ 16" O.C.
 - SOUND ATTENUATION BATTS WHERE SHOWN ON PLAN
- INSULATED** 1/2" GYPSUM BOARD (BOTH SIDES)
- EXTERIOR WALLS (SEE WALL SECTIONS)**
 - VINYL SIDING
 - 1 1/2" INSULATED SHEATHING
 - 2x4 WOOD STUDS @ 16" O.C.
 - R18 BATT INSULATION WITH VAPOR BARRIER
 - 5/8" GYPSUM BOARD
- DEMISING WALLS**
 - 5/8" GYPSUM BOARD (BOTH SIDES)
 - 2 ROWS, 2x4 WOOD STUDS @ 16" O.C. (ALTERNATE STUDS)
 - 1/2" SOUND BOARD ONE SIDE
 - SOUND ATTENUATION BATTS
- CORRIDOR WALLS**
 - 5/8" GYPSUM BOARD (BOTH SIDES)
 - 1/2" RESILIENT CHANNELS
 - 2x4 WOOD STUDS @ 16" O.C.
 - SHEAR SHEATHING, SEE STRUCTURAL
- PARTITION WALL**
 - 1/2" GYPSUM BOARD (BOTH SIDES)
 - 2x6 WOOD STUDS @ 16" O.C.

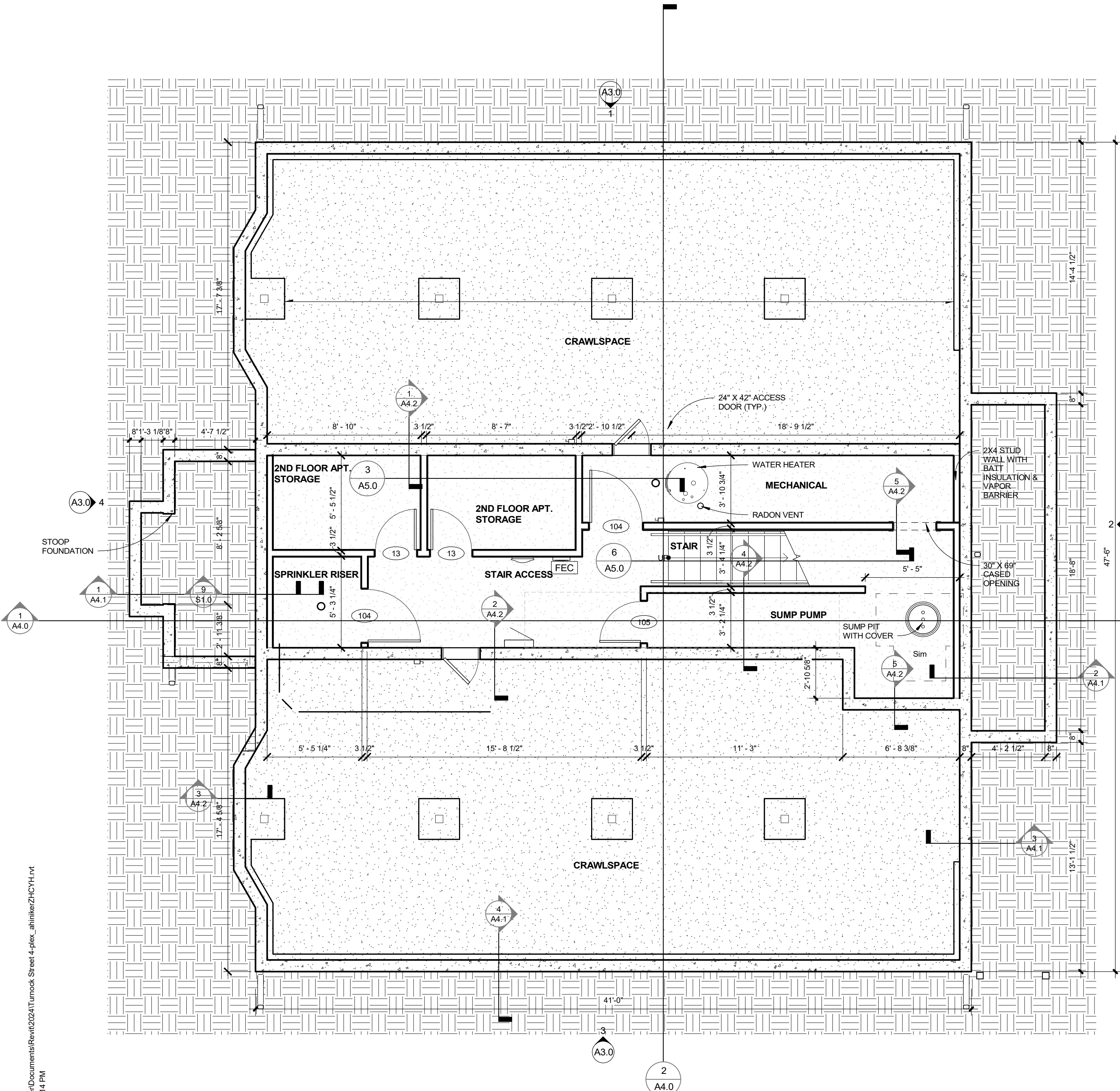
LEGEND

- 11 DOOR TAG - SEE DOOR SCHEDULE.
- X X FLOOR TRANSITION - SEE FINISH SCHEDULE.
- X WINDOW TAG - SEE WINDOW SCHEDULE.
- 11 WALL TAG
- LOWERED SOFFIT OR CEILING
- TB TOWEL BAR
- GB GRAB BAR
- CG CORNER GUARD
- MIN. MINIMUM
- GYP. GYPSUM BOARD
- C CENTERLINE



GROUND FLOOR PLAN
SCALE: 1/4" = 1'-0"

QUADPLEX BUILDING



BASEMENT FLOOR PLAN
SCALE: 1/4" = 1'-0"

FILE PATH: C:\Users\ahake\Documents\Revit\2025\Turnock Street 4 - elev_all\hkerz2\CH1.rvt
PLOT DATE: 2/27/2025 3:13:14 PM



QUADPLEX BUILDING

ATTIC VENTILATION CALCULATIONS

ATTIC VENTILATION ASSUMPTIONS AND DESIGN CONDITIONS PER IBC 1203
 VENTED SOFFIT SYSTEM CONSISTS OF ALUMINUM SOFFIT OPENINGS WITH AN NFA OF 6.48 SQ.IN. PER L.F.

ATTIC COMPARTMENT
 RIDGE VENT 12 LINEAR FT. @ 18 SQ.IN. / LINEAR FT. = 216.00 SQ.IN. NFA
 PARTIALLY VENTED SOFFIT 187 LINEAR FT. @ 6.48 SQ.IN. / LINEAR FT. = 1,211.76 SQ.IN. NFA
 POD VENTS 6 POD VENTS @ 50 SQ.IN. / POD = 300.00 SQ.IN. NFA
 TOTAL = 1,727.76 SQ.IN. NFA

SPACE VENTED = 2,621.36 SQ.FT.
 NFA (1,727.76 SQ.IN.) IS GREATER THAN 1/300 OF THE AREA OF THE SPACE VENTED (1,258.25 SQ.IN.)

LEGEND

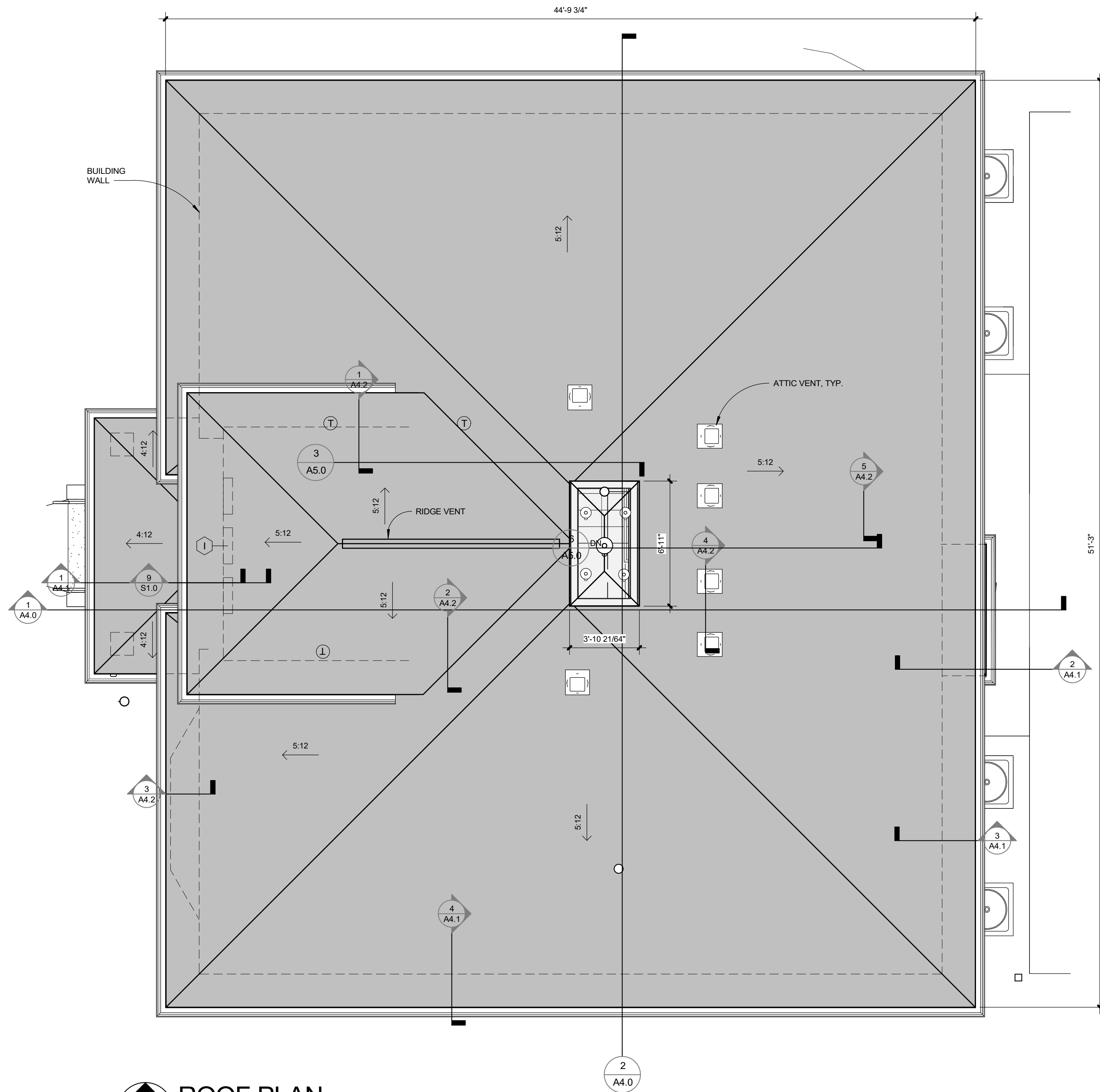
- ① DOOR TAG - SEE DOOR SCHEDULE.
- X X FLOOR TRANSITION - SEE FINISH SCHEDULE.
- X WINDOW TAG - SEE WINDOW SCHEDULE.
- ① WALL TAG
- LOWERED SOFFIT OR CEILING
- TB TOWEL BAR
- GB GRAB BAR
- CG CORNER GUARD
- MIN. MINIMUM
- GYP. GYPSUM BOARD
- C CENTERLINE

WALL LEGEND

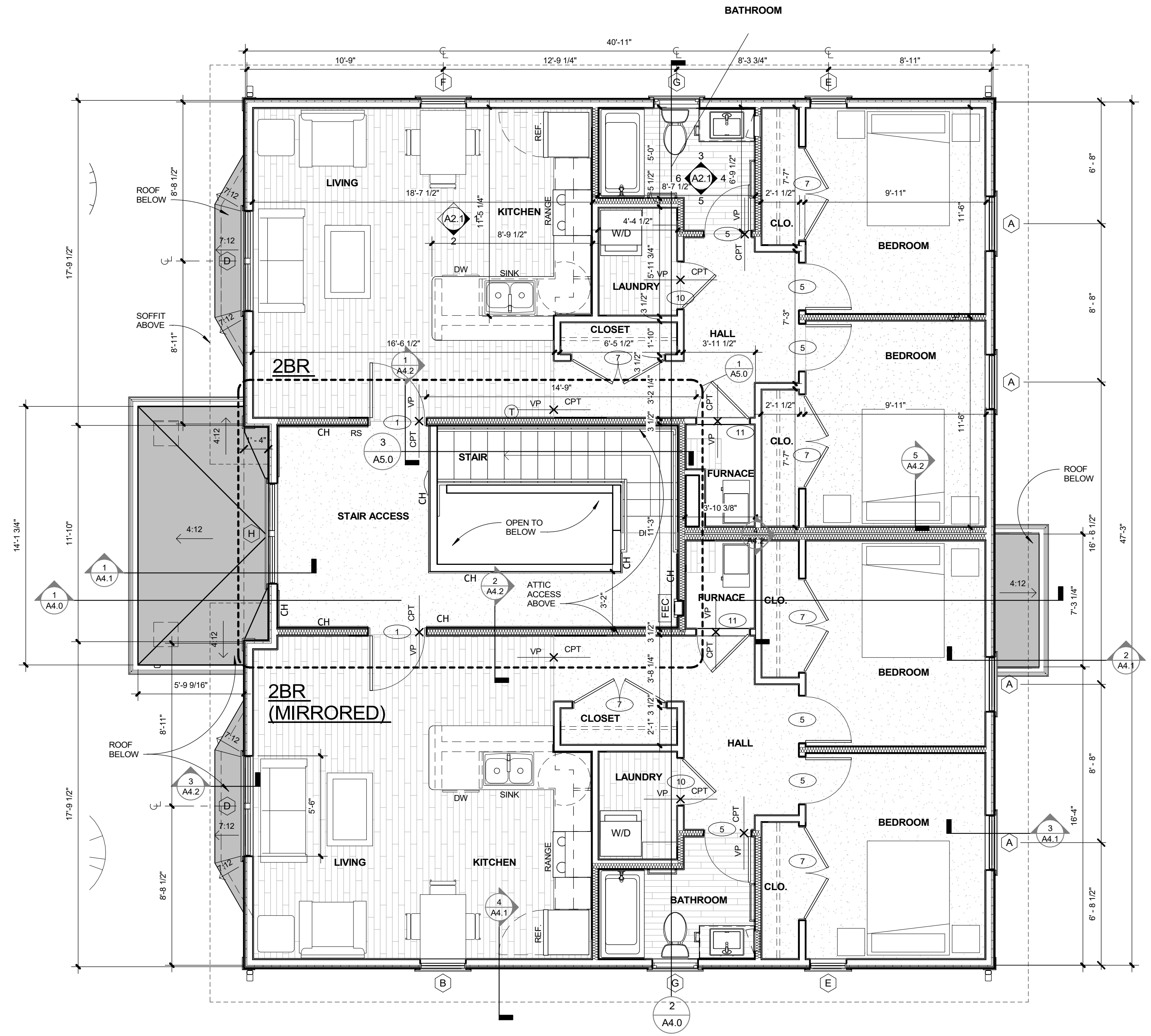
- PARTITION WALLS**
 - ① 1/2" GYPSUM BOARD (BOTH SIDES)
 - 2x4 WOOD STUDS @ 16" O.C.
 - SOUND ATTENUATION BATTS WHERE SHOWN ON PLAN
- EXTERIOR WALLS (SEE WALL SECTIONS)**
 - VINYL SIDING
 - 1 1/2" INSULATED SHEATHING
 - 2x4 WOOD STUDS @ 16" O.C.
 - R13 BATT INSULATION WITH VAPOR BARRIER
 - 5/8" GYPSUM BOARD
- DEMISING WALLS**
 - 5/8" GYPSUM BOARD (BOTH SIDES)
 - 2 ROWS, 2x4 WOOD STUDS @ 16" O.C. (ALTERNATE STUDS)
 - 1/2" SOUND BOARD ONE SIDE
 - SOUND ATTENUATION BATTS
- CORRIDOR WALLS**
 - 5/8" GYPSUM BOARD (BOTH SIDES)
 - 1/2" RESILIENT CHANNELS
 - 2x4 WOOD STUDS @ 16" O.C.
 - SHEAR SHEATHING, SEE STRUCTURAL
- PARTITION WALL**
 - 1/2" GYPSUM BOARD (BOTH SIDES)
 - 2x6 WOOD STUDS @ 16" O.C.

GENERAL NOTES

1. PLAN DIMENSIONS ARE NOTED TO THE OUTSIDE FACE OF INSULATED SHEATHING AT EXTERIOR WALL.
2. PLAN DIMENSIONS ARE NOTED TO FACE OF STUD WALL AT INTERIOR PARTITIONS.
3. BUILDING FINISH FLOOR ELEVATIONS TO BE 18" ABOVE BACK OF CURB. COORDINATE WITH SITE DRAWING PLANS FOR FINAL FLOOR ELEVATIONS.
4. COORDINATE STEP DESIGN FOR STREET SIDE OF QUADPLEX WITH FINAL GRADING PLAN.

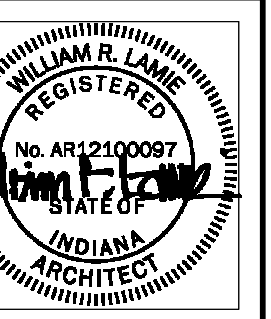


ROOF PLAN
 SCALE: 1/4" = 1'-0"
 NORTH



UPPER FLOOR PLAN
 SCALE: 1/4" = 1'-0"
 NORTH

QUADPLEX BUILDING

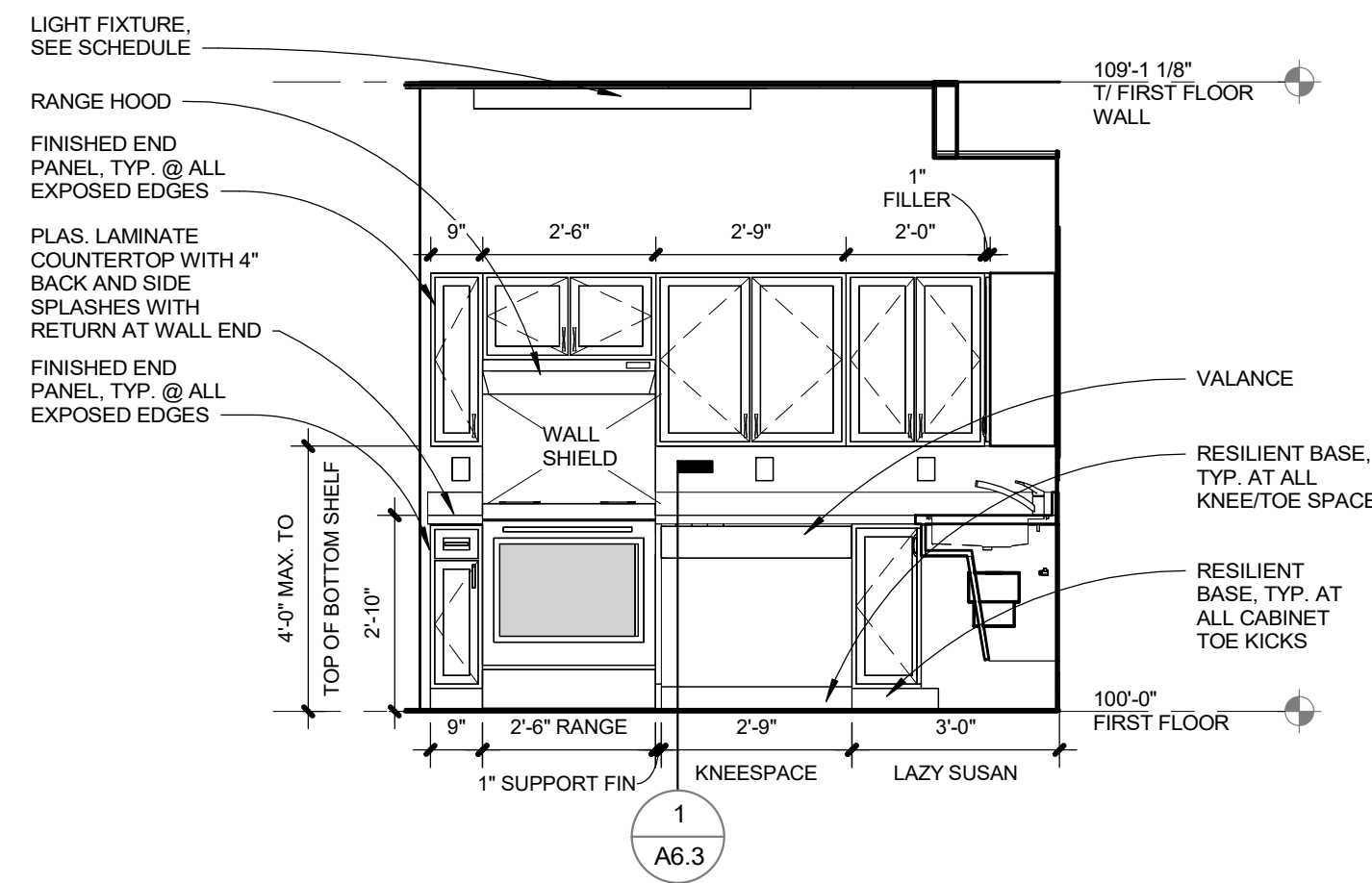


DATE:
 03/07/2025

© 2025 ALLIANCE ARCHITECTS
 ALL RIGHTS RESERVED

SHEET NO.

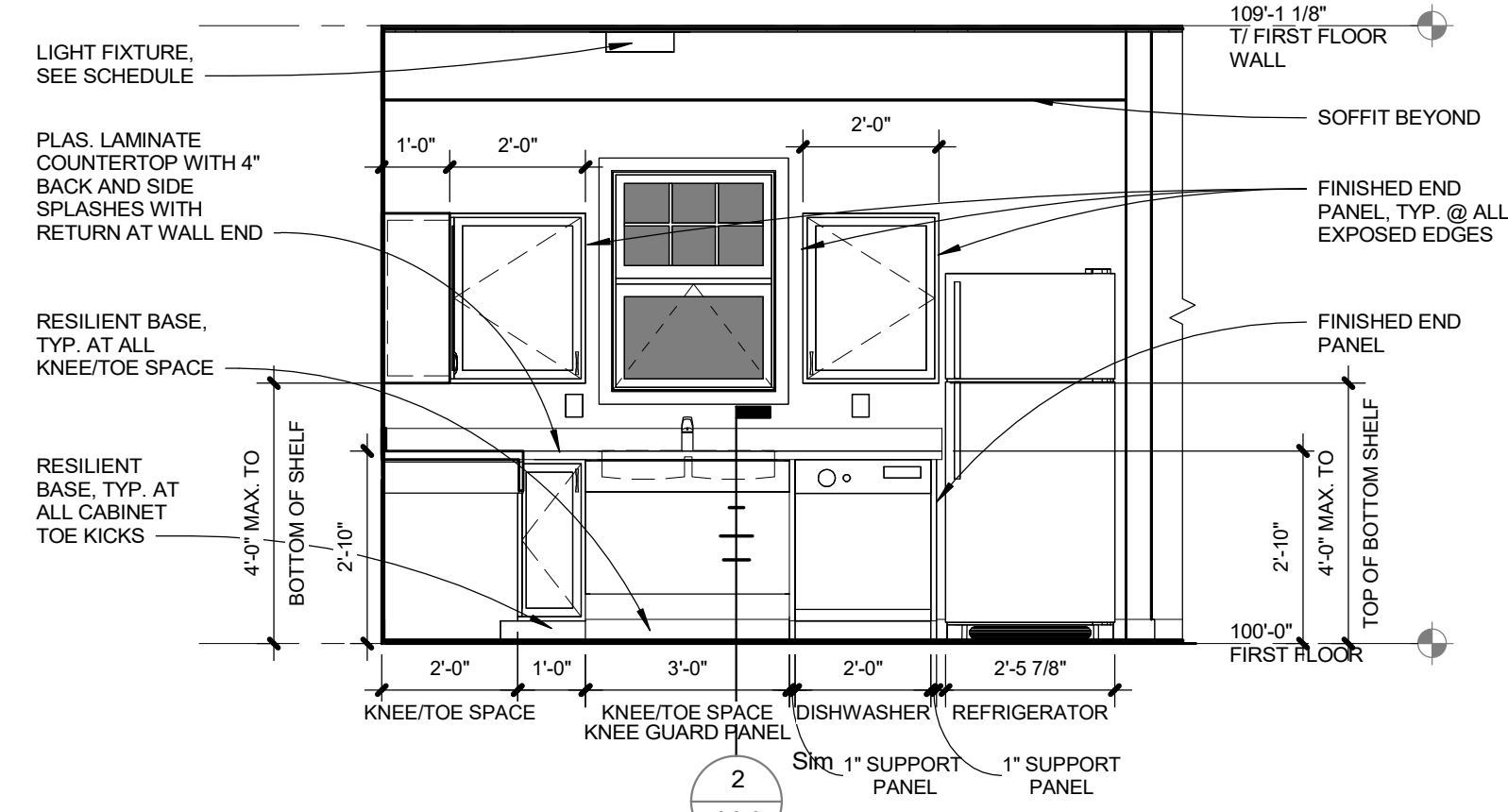
A1.1



1 BR HC UNIT KITCHEN ELEV. 1

SCALE: 3/8" = 1'-0"

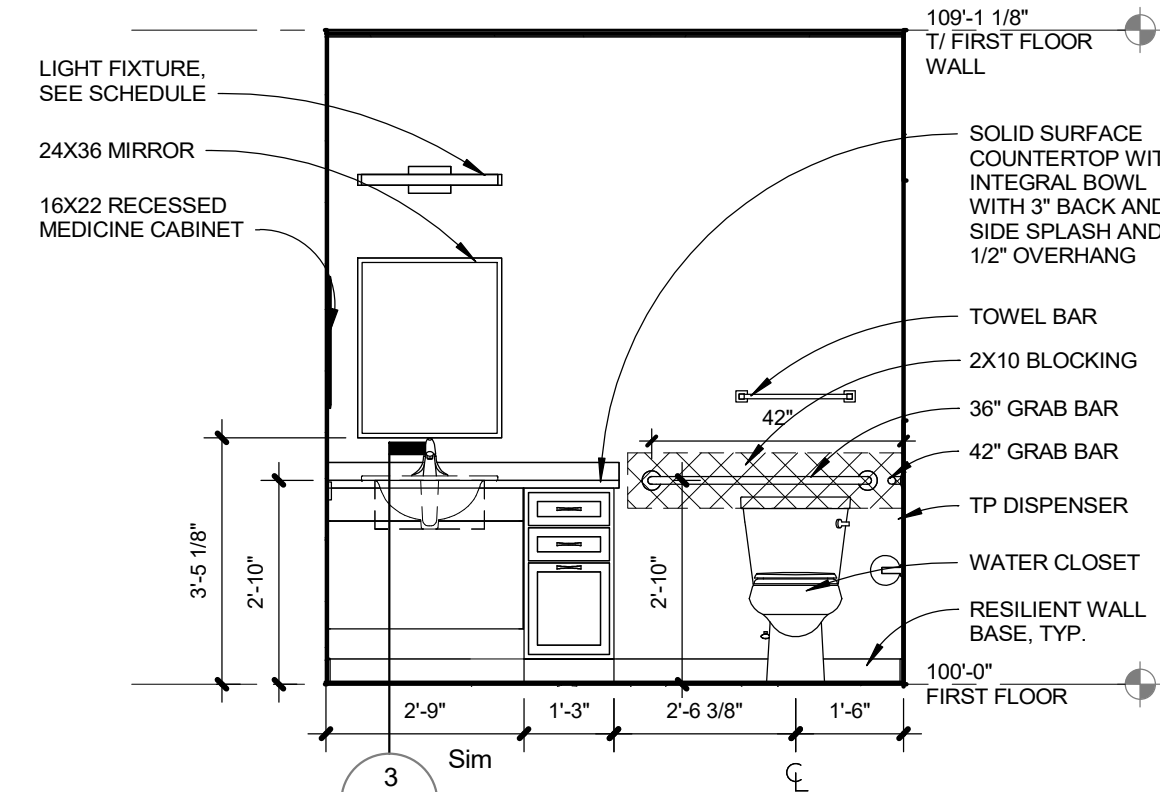
1
A2.0



1BR HC UNIT KITCHEN ELEV. 2

SCALE: 3/8" = 1'-0"

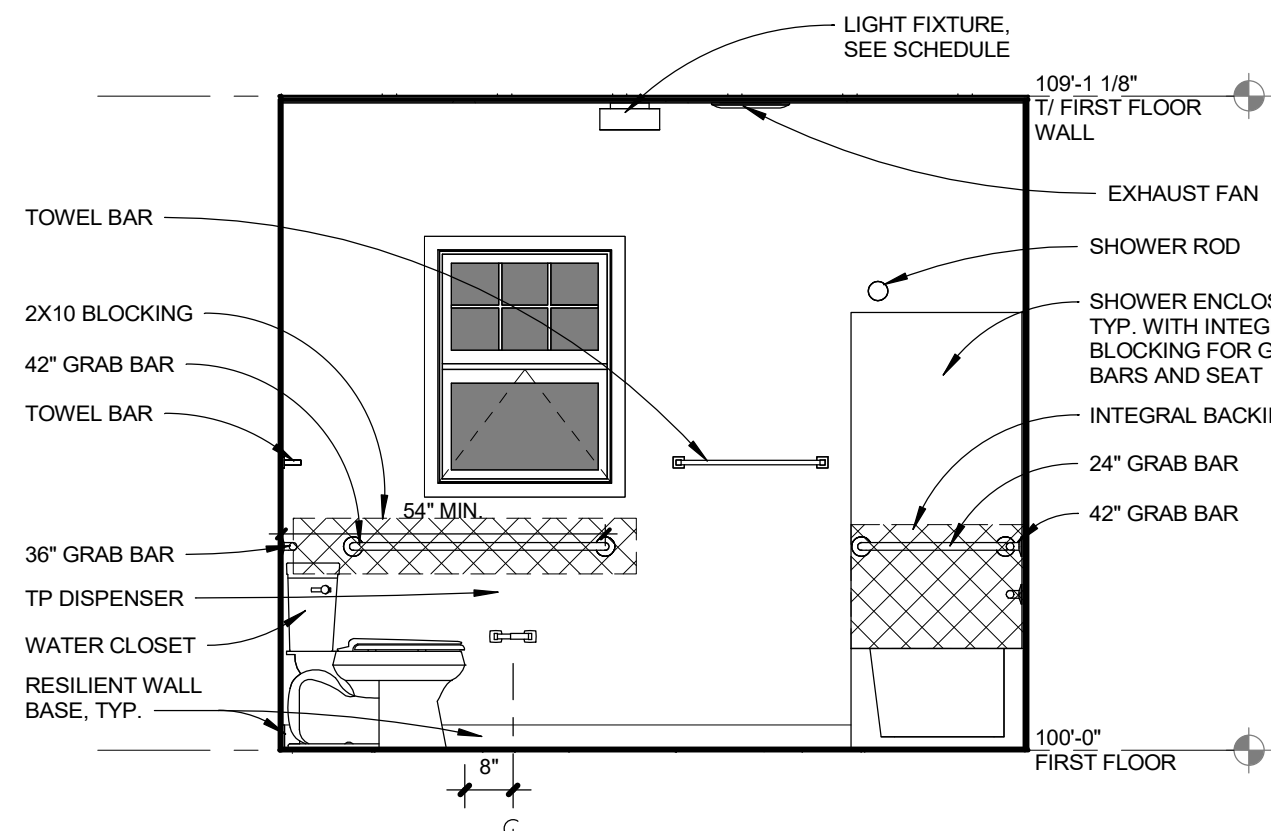
2
A2.0



1BR HC UNIT BATH ELEV. 1

SCALE: 3/8" = 1'-0"

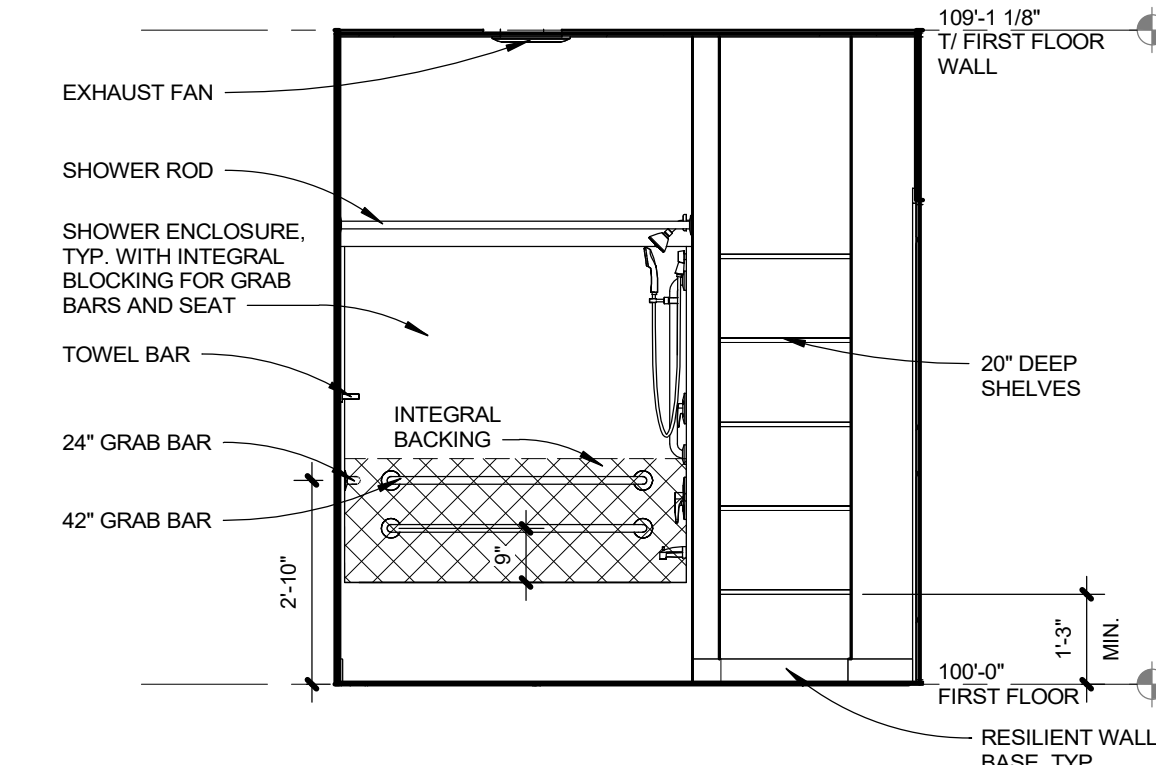
3
A2.0



1BR HC UNIT BATH ELEV. 2

SCALE: 3/8" = 1'-0"

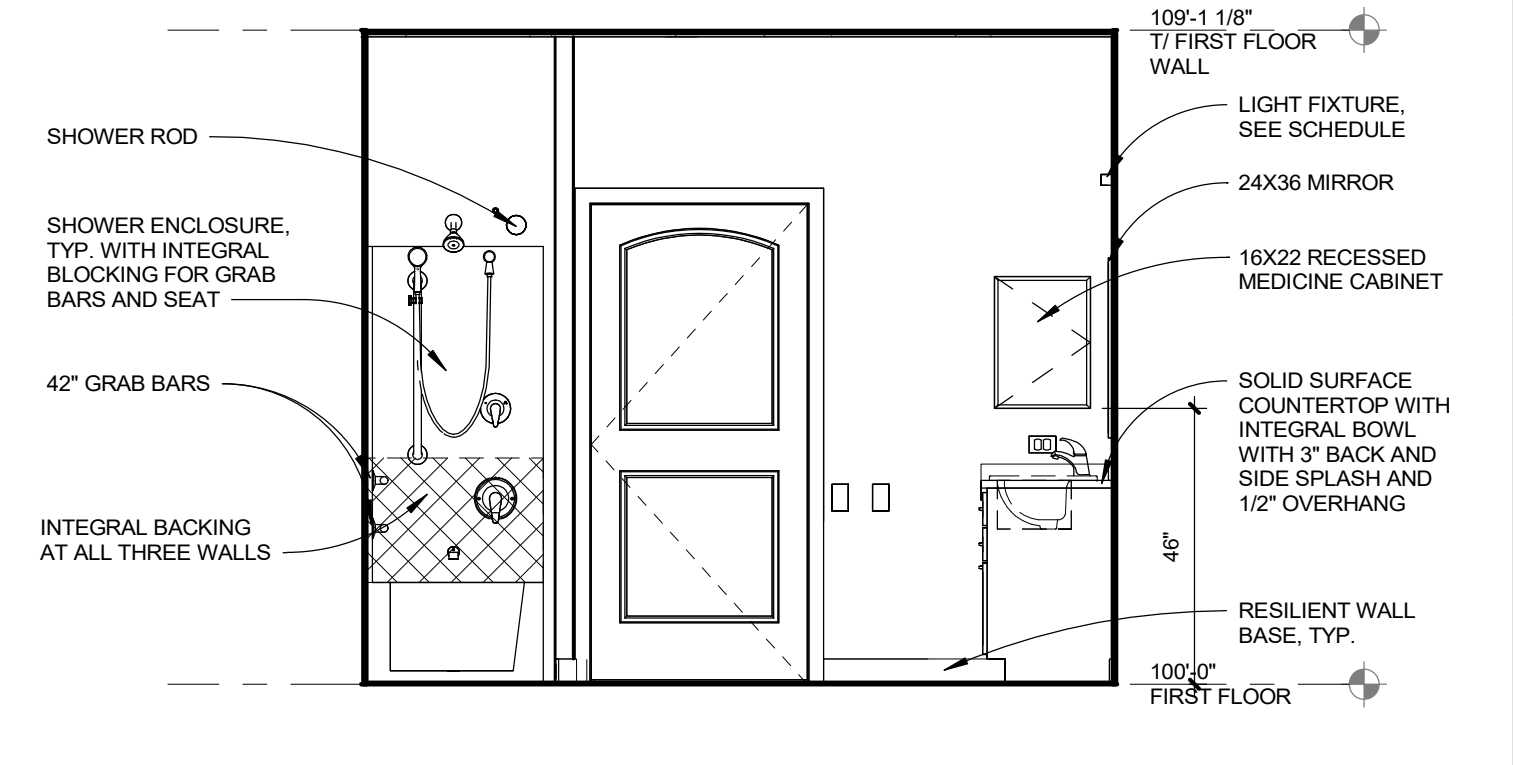
4
A2.0



1BR HC UNIT ELEV. 3

SCALE: 3/8" = 1'-0"

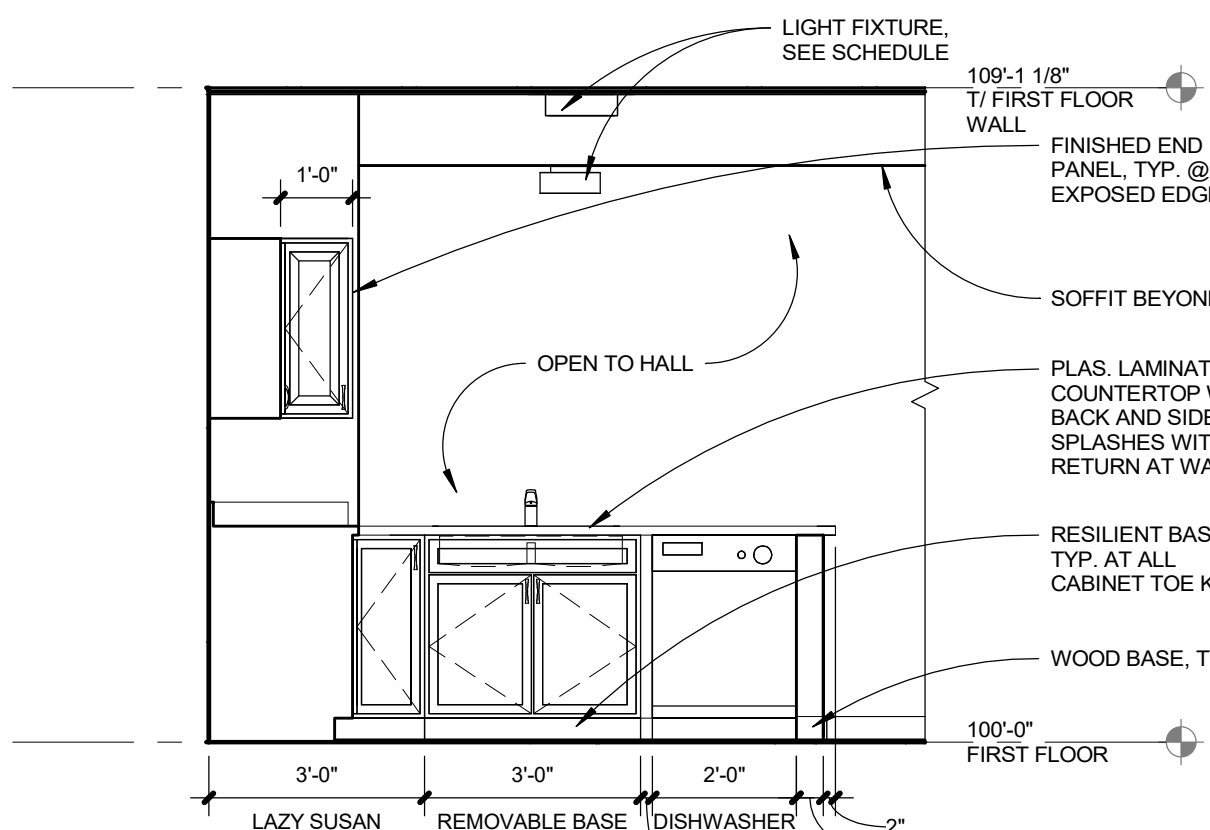
5
A2.0



1BR HC UNIT BATH ELEV. 4

SCALE: 3/8" = 1'-0"

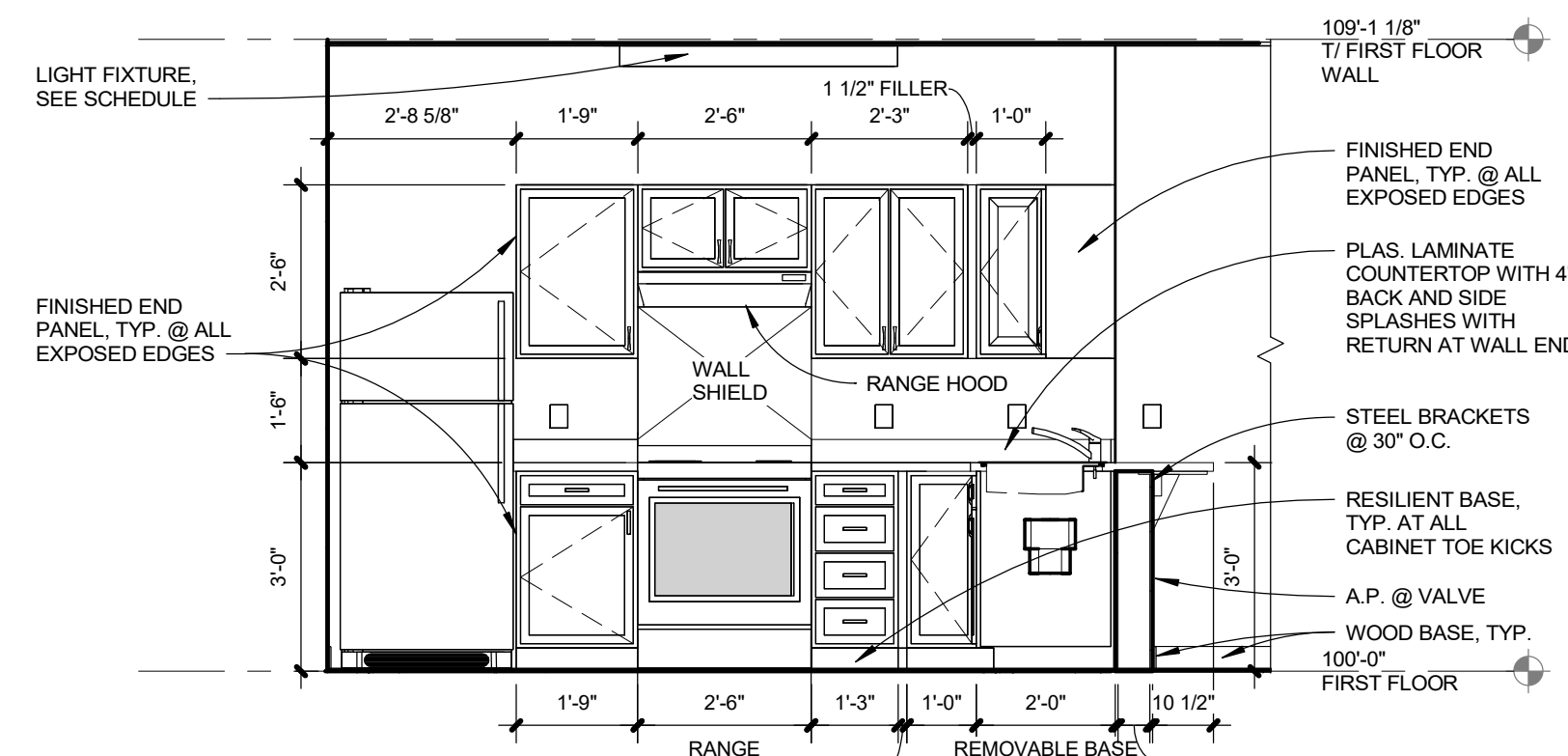
6
A2.0



2BR TYPE B UNIT KITCHEN ELEV. 1

SCALE: 3/8" = 1'-0"

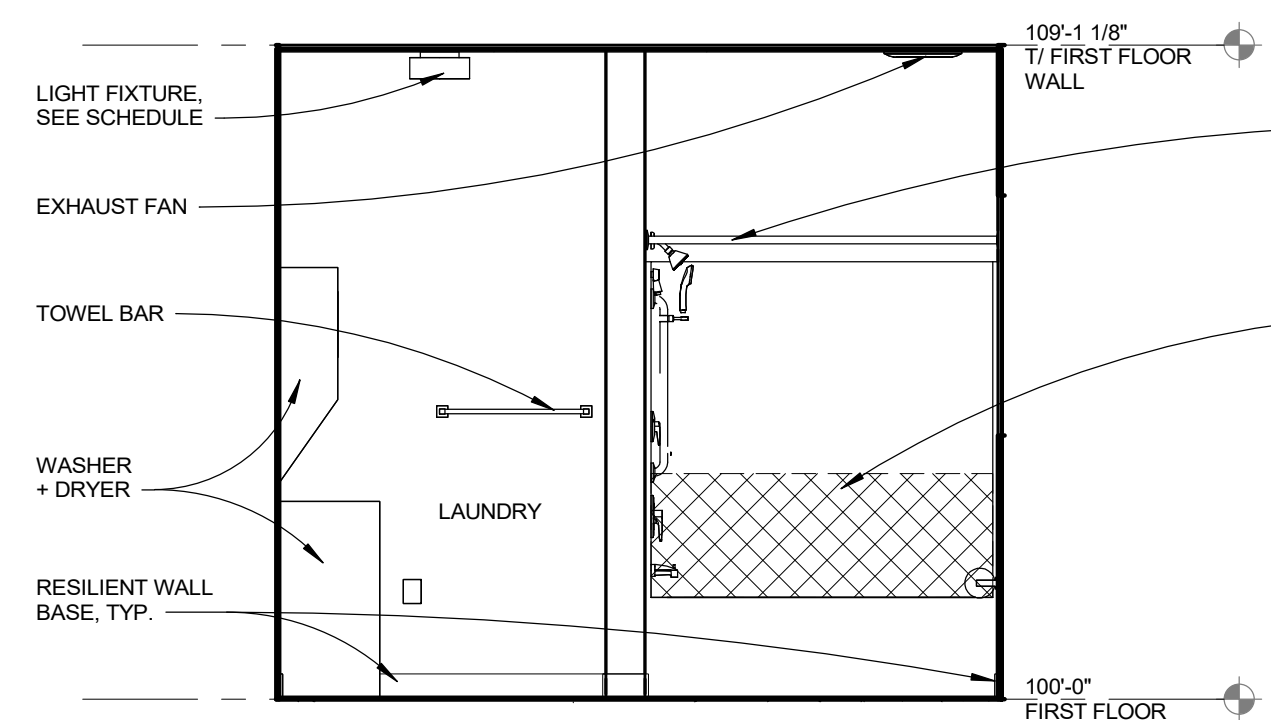
7
A2.0



2BR TYPE B UNIT KITCHEN ELEV. 2

SCALE: 3/8" = 1'-0"

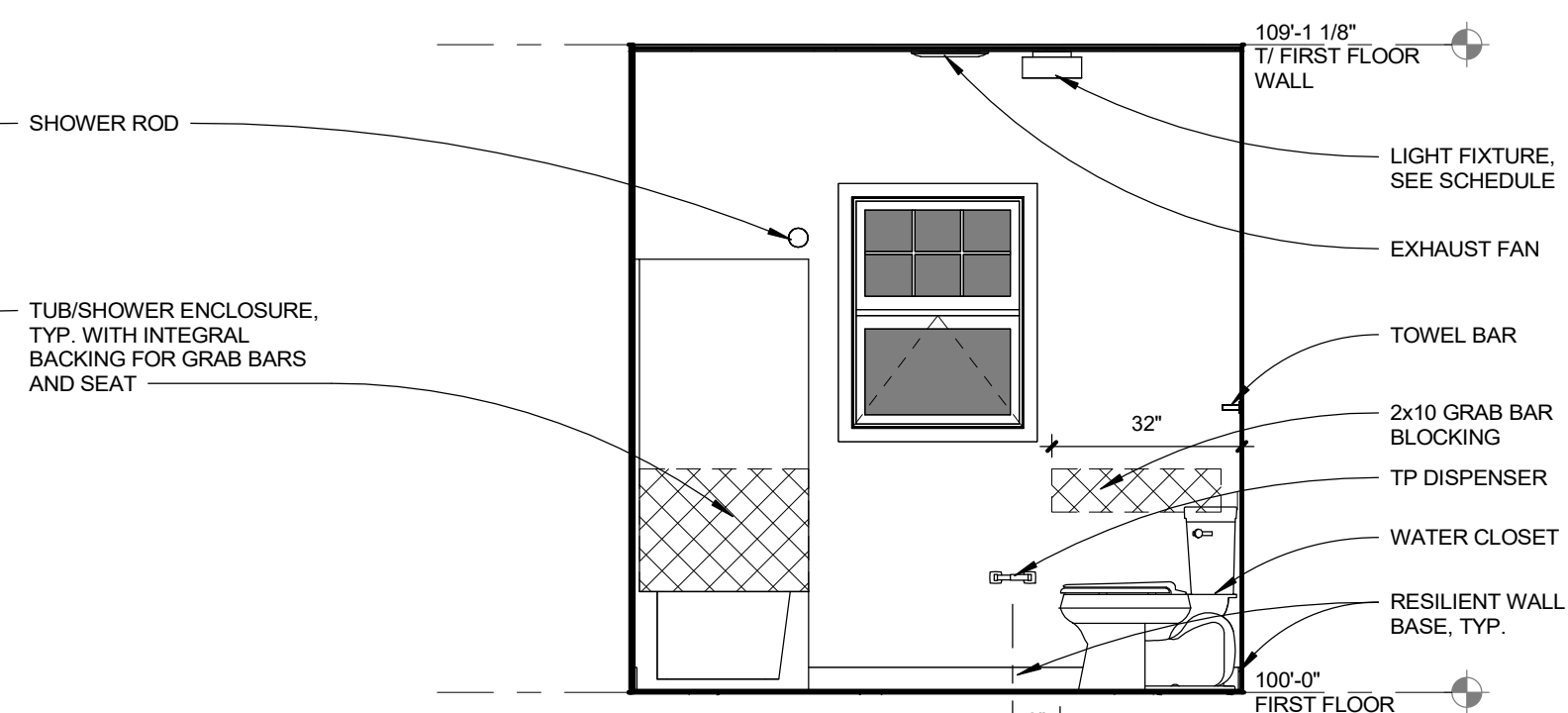
8
A2.0



2BR UNIT TYPE B BATH ELEV. 1

SCALE: 3/8" = 1'-0"

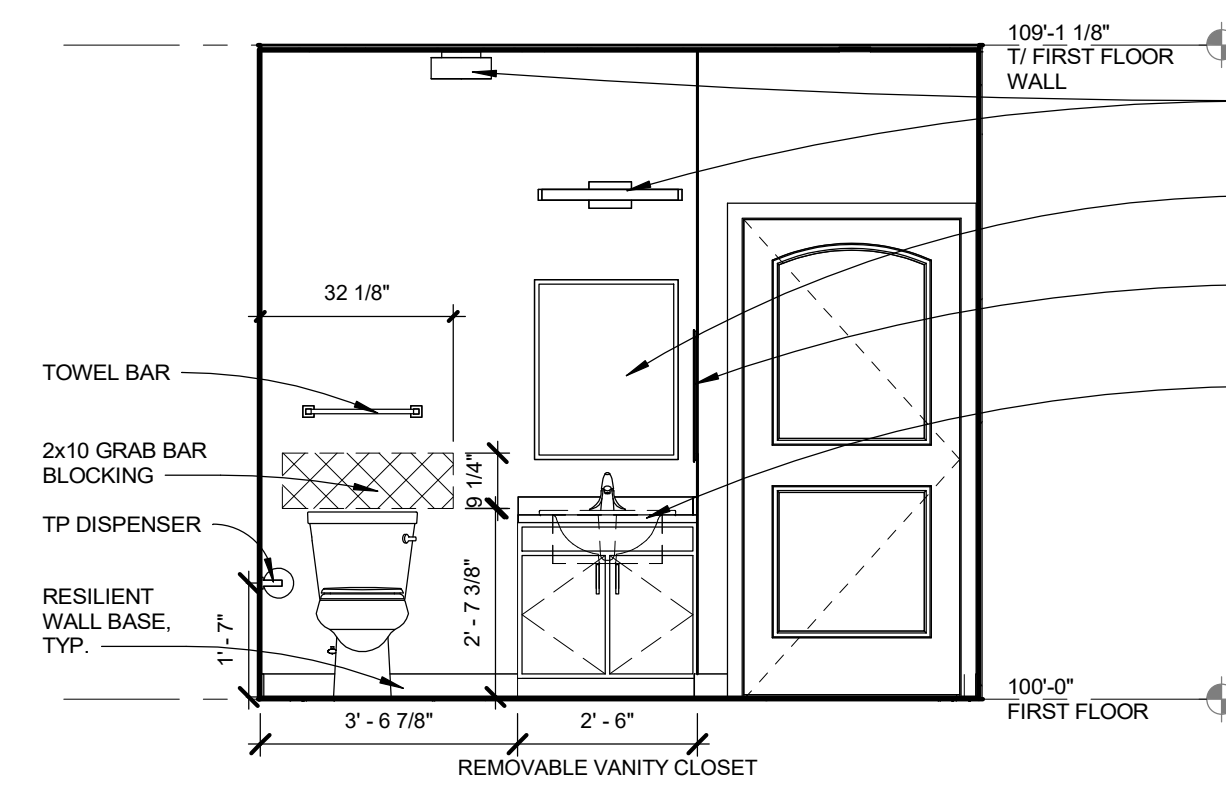
9
A2.0



2BR UNIT TYPE B BATH ELEV. 2

SCALE: 3/8" = 1'-0"

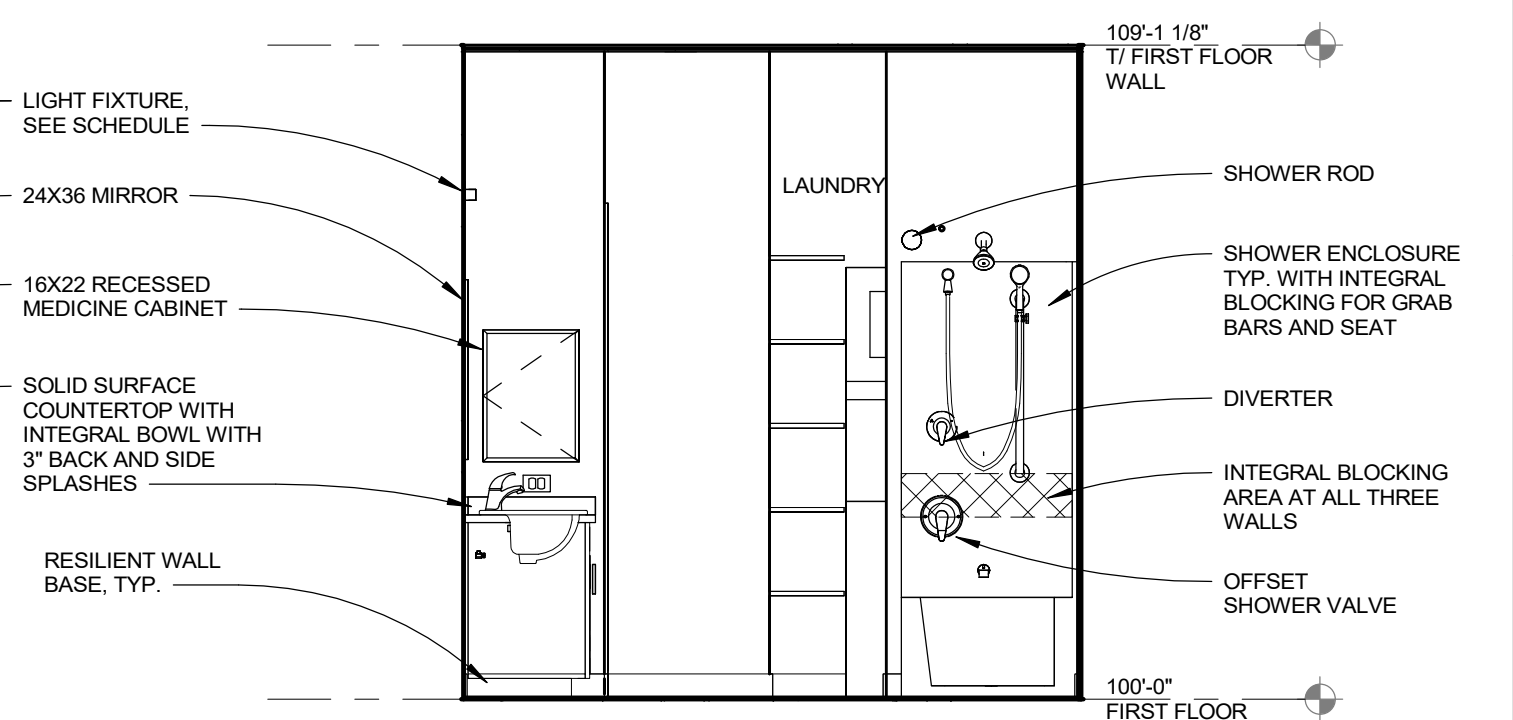
10
A2.0



2BR UNIT TYPE B BATH ELEV. 3

SCALE: 3/8" = 1'-0"

11
A2.0

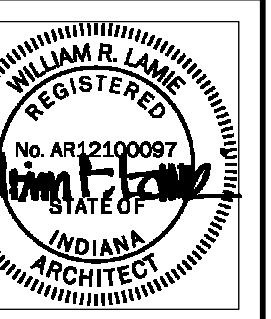


2BR UNIT TYPE B BATH ELEV. 4

SCALE: 3/8" = 1'-0"

12
A2.0

FILE PATH: C:\Users\ahinkar\Documents\Revit\2021\Turnock Street 4 - elev_ahinkar\210111.rvt
PLOT DATE: 2/2/2025 3:13:24 PM

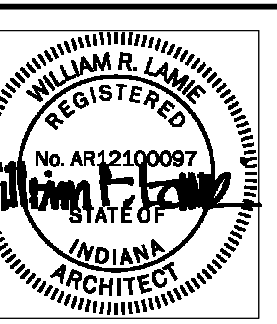


DATE:
03/07/2025

© 2025 ALLIANCE ARCHITECTS
ALL RIGHTS RESERVED

SHEET NO.

A2.0

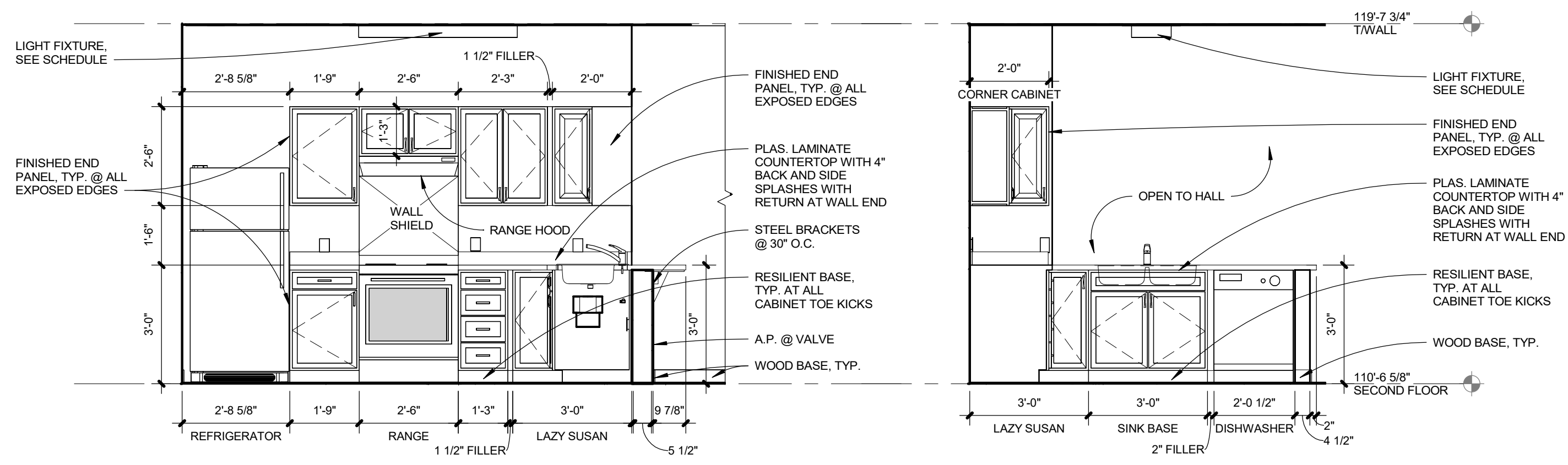


DATE:
03/07/2025

© 2025
ALLIANCE ARCHITECTS
ALL RIGHTS RESERVED

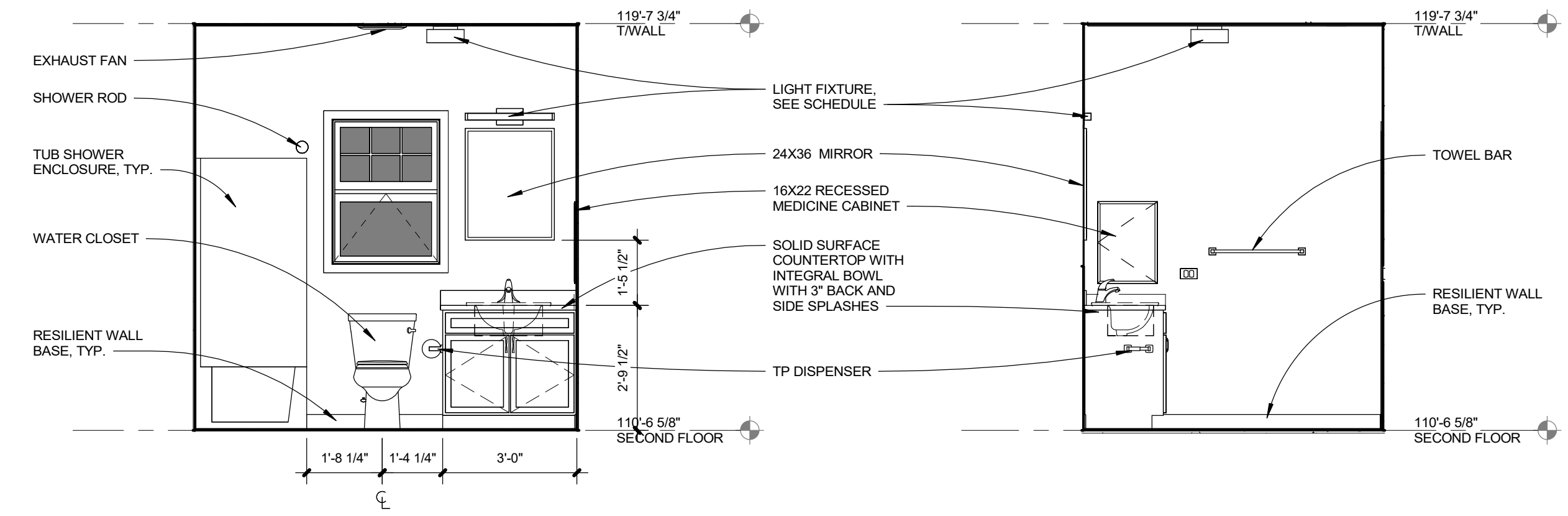
SHEET NO.

A2.1



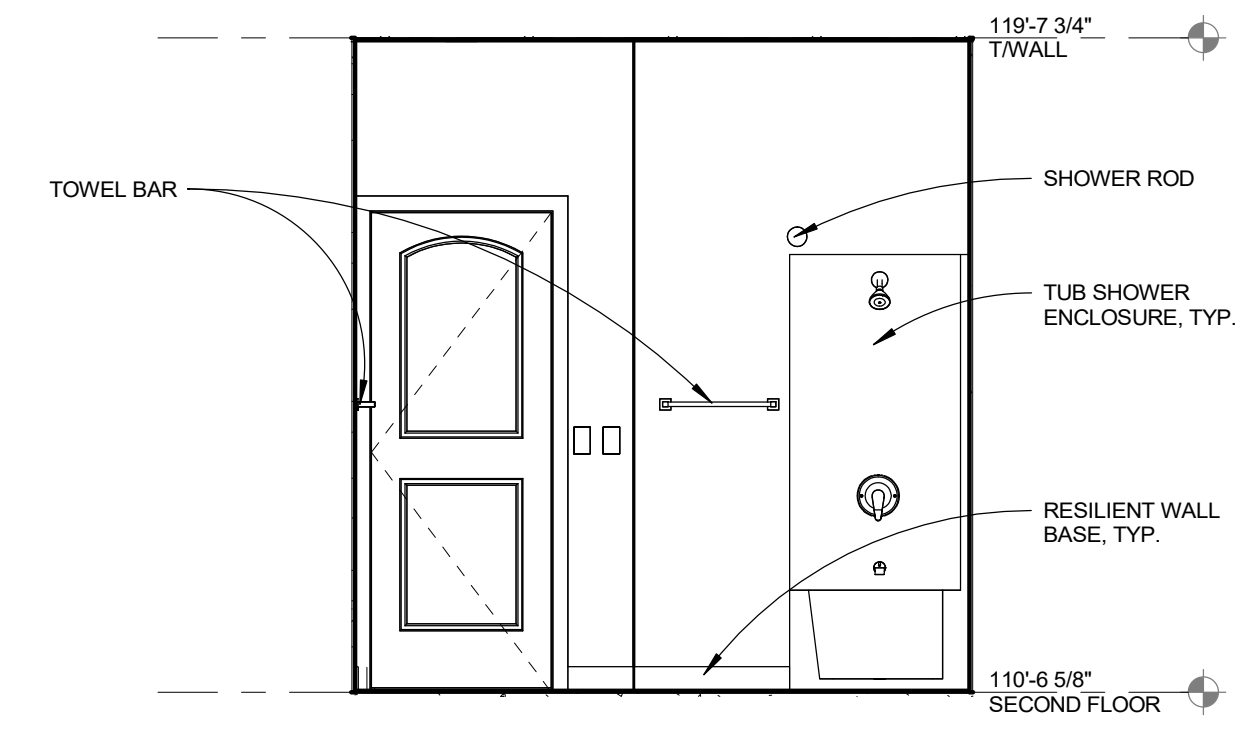
2BR KITCHEN ELEV. 1
SCALE: 3/8" = 1'-0"
1
A2.1

2BR KITCHEN ELEV. 2
SCALE: 3/8" = 1'-0"
2
A2.1

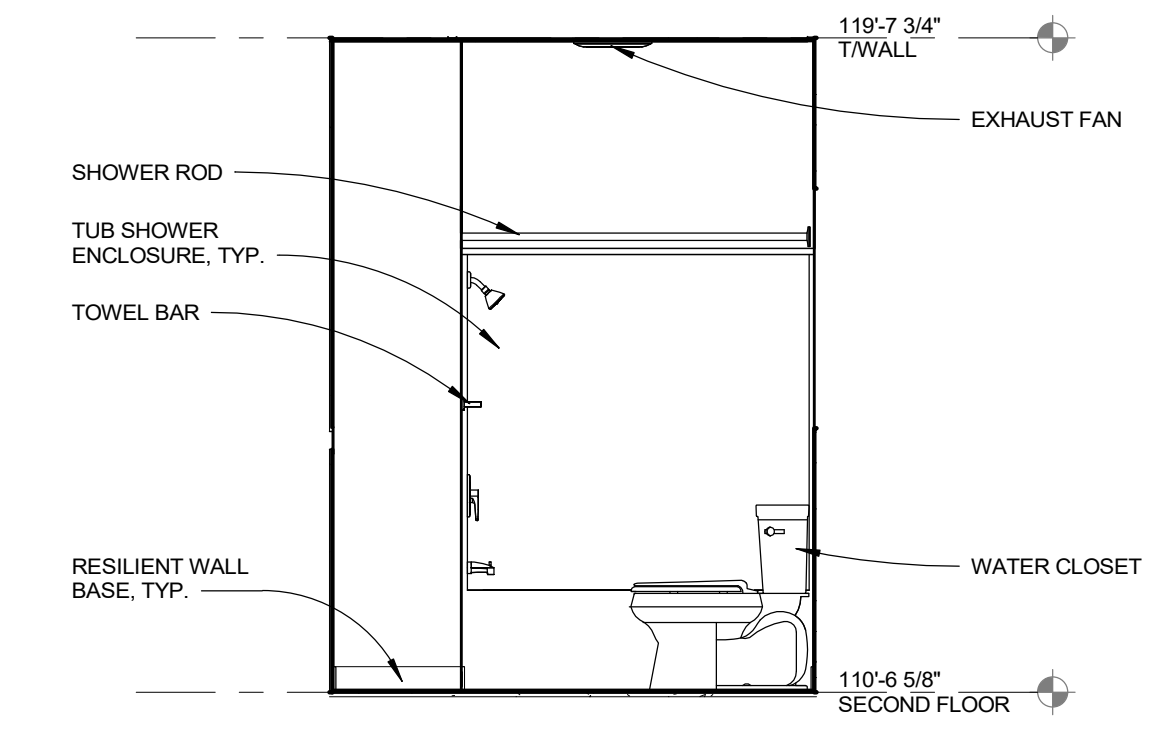


2BR BATHROOM ELEV. 1
SCALE: 3/8" = 1'-0"
3
A2.1

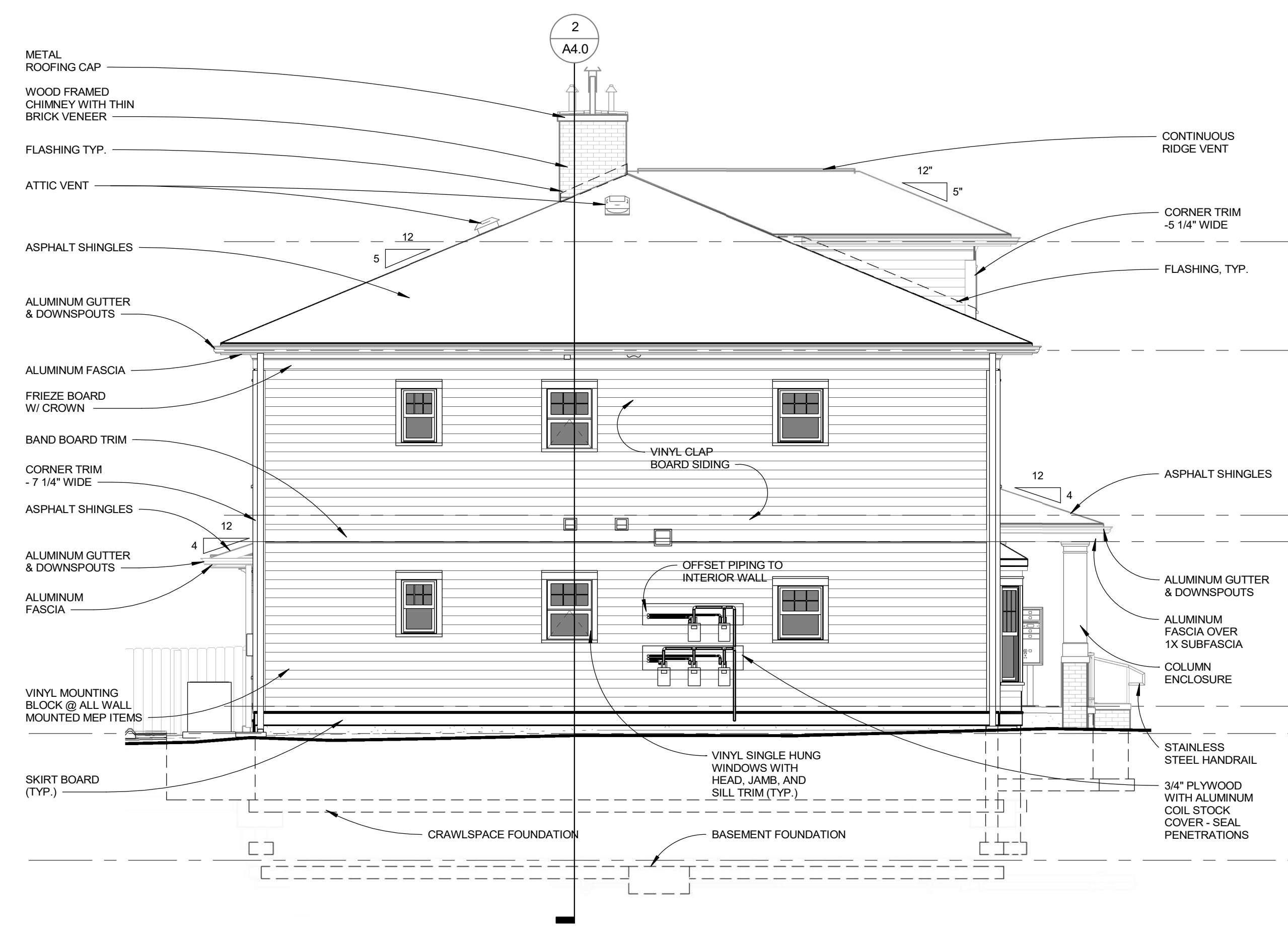
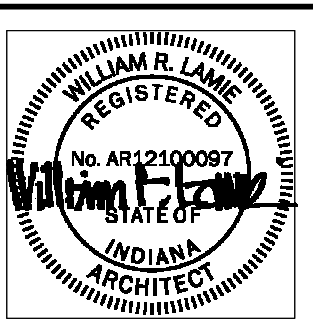
2BR BATHROOM ELEV. 2
SCALE: 3/8" = 1'-0"
4
A2.1



2BR BATHROOM ELEV. 3
SCALE: 3/8" = 1'-0"
5
A2.1

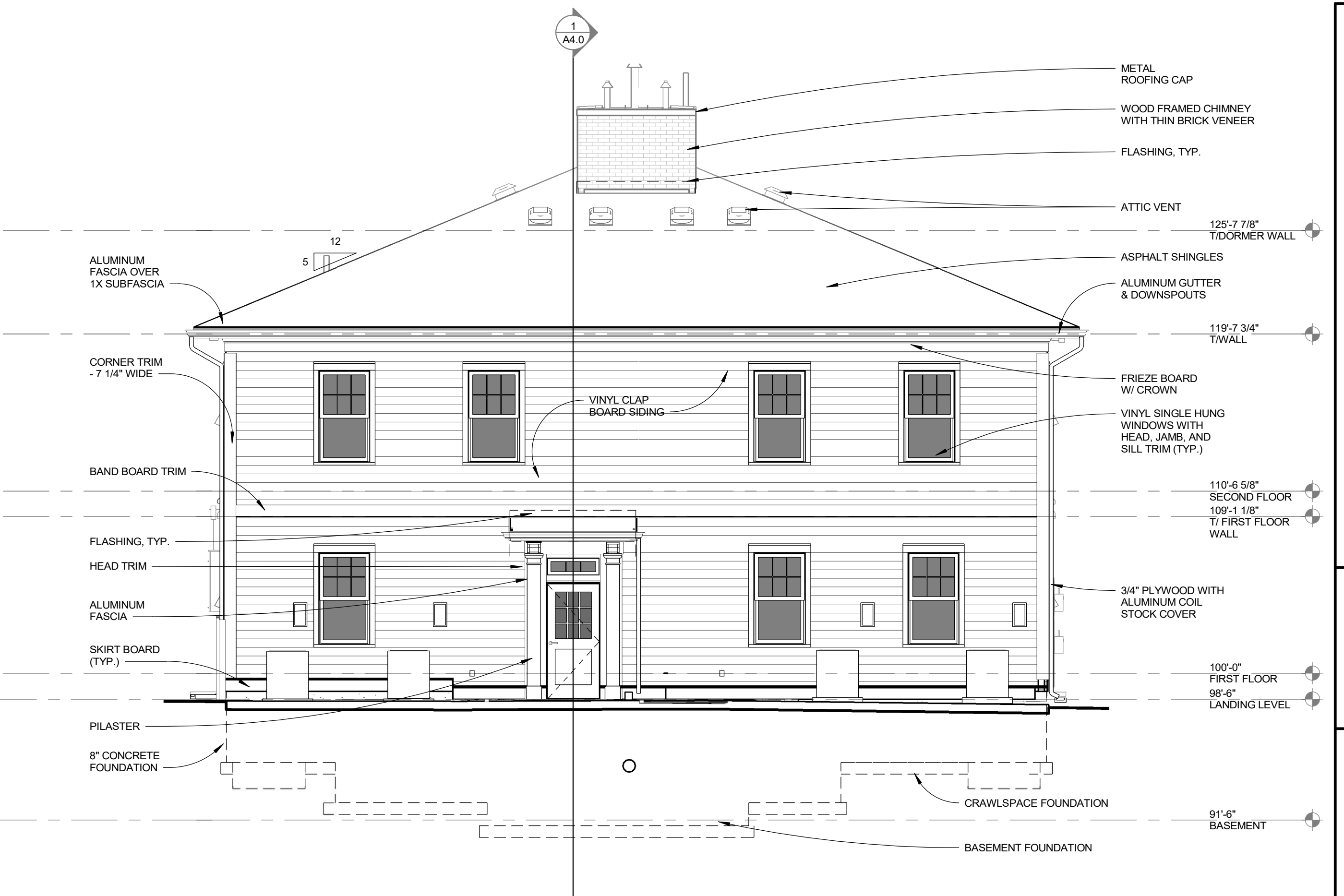


2BR BATHROOM ELEV. 4
SCALE: 3/8" = 1'-0"
6
A2.1



NORTH ELEVATION
SCALE: 3/16" = 1'-0"

1
A3.0

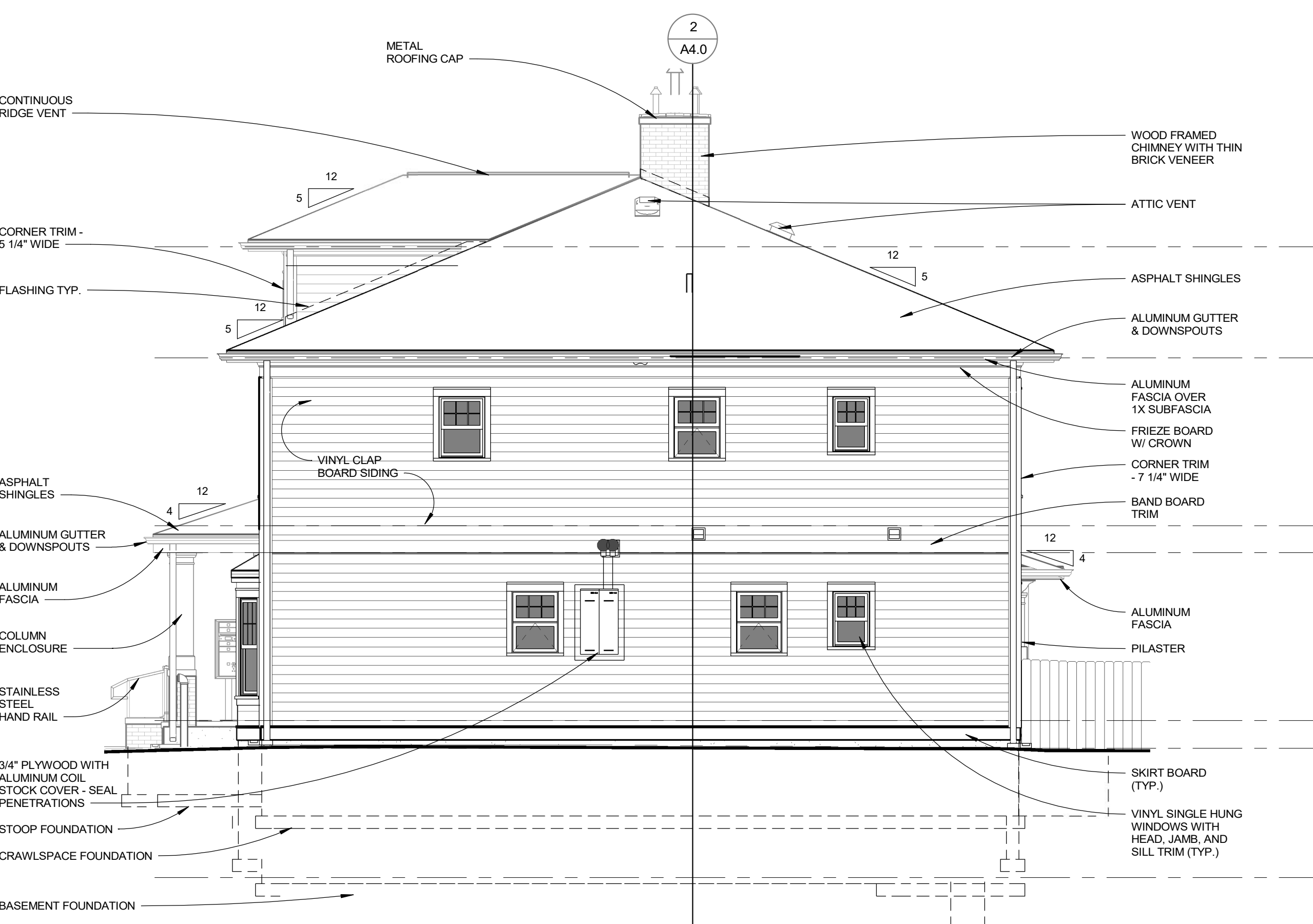


EAST ELEVATION
SCALE: 3/16" = 1'-0"

2
A3.0

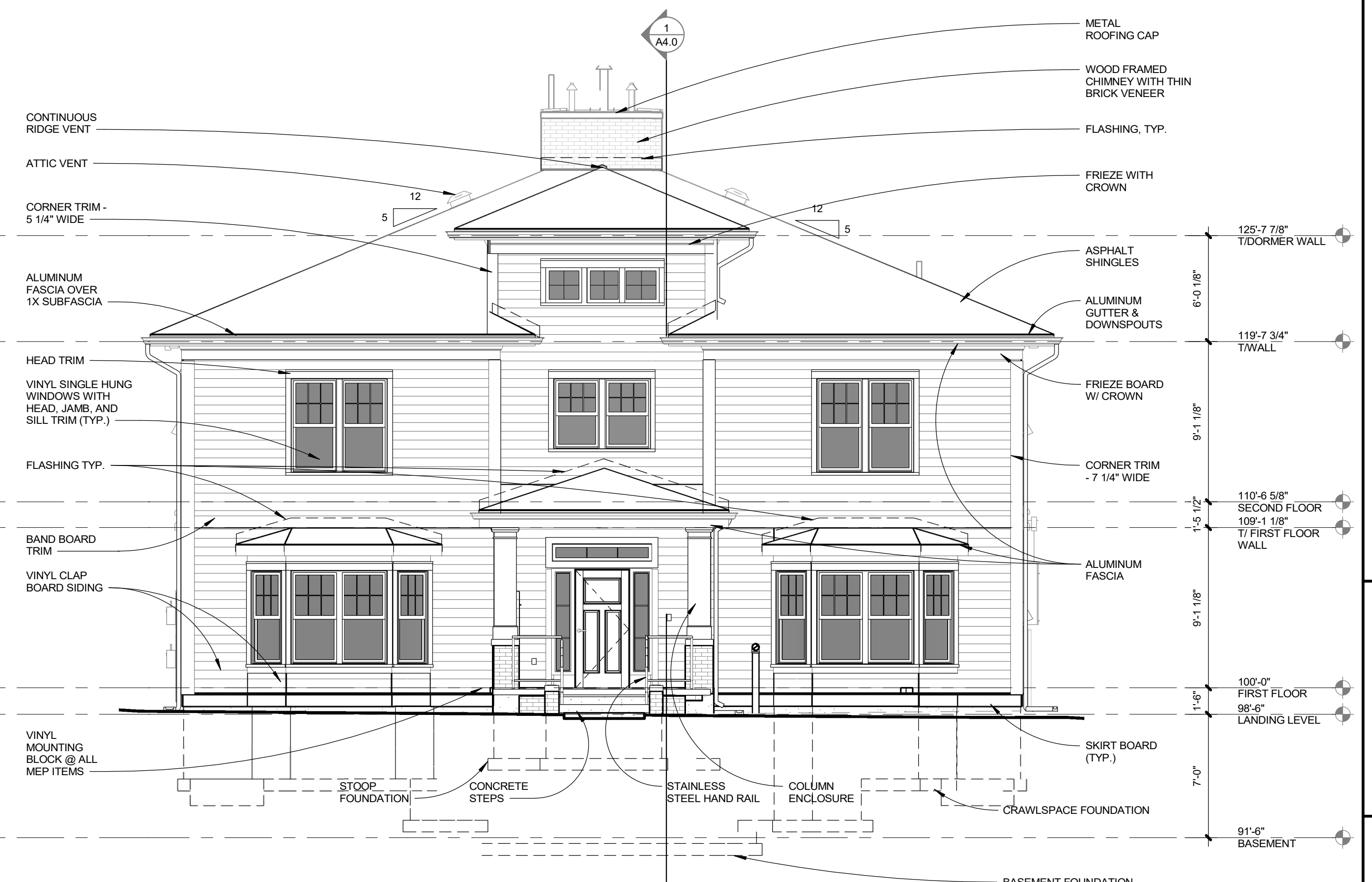
QUADPLEX (2-STORY)

WEST/FRONT FACADE	
LEVEL 1 (2' to 8' above floor)	75% MAX.
TOTAL TRANSPARENCY%	35.72%
Total Facade SF	286.50
height	6.00
width	47.75
QTY	
4 C Window (56 x 24)	37.33
SF each	9.33
2 D Window (56 x 66)	51.33
SF each	25.67
1 Door Transom Window (12 x 68)	5.67
SF each	5.67
1 Door Sidelite (48 x 12)	8.00
SF each	4.00
TOTAL TRANSPARENCY SF	102.33
LEVEL 2 (floor to roof bottom)	
TOTAL TRANSPARENCY%	40% MAX.
TOTAL TRANSPARENCY%	17.87%
Total Facade SF	510.60
height	9 to 15
width	47.75
QTY	
2 D Window (64 x 66)	58.67
SF each	29.33
1 H Window (48 x 66)	22.00
SF each	22.00
1 I Window (25 x 61)	10.59
SF each	10.59
TOTAL TRANSPARENCY SF	91.26



SOUTH ELEVATION
SCALE: 3/16" = 1'-0"

3
A3.0

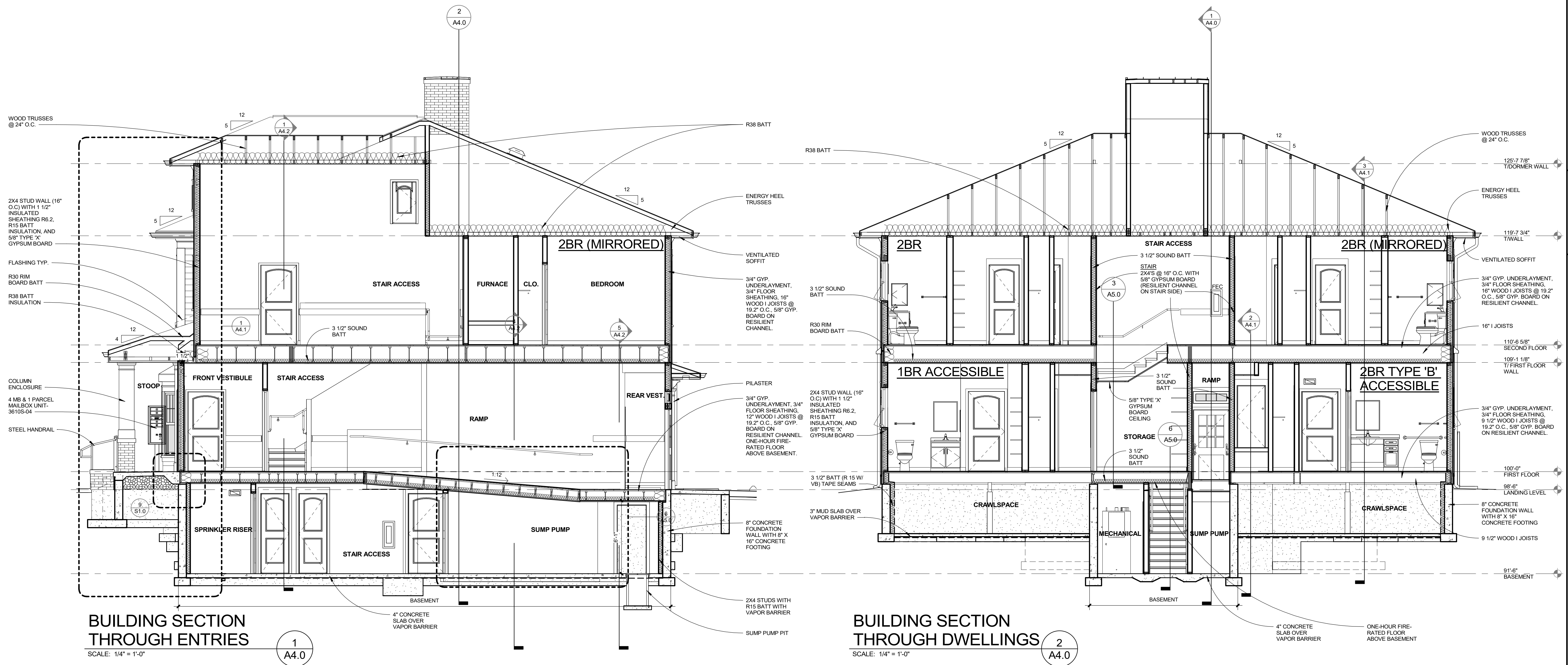
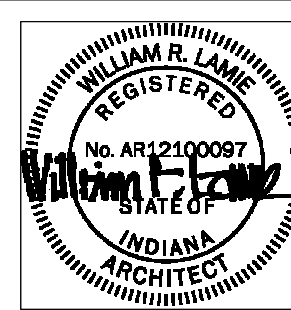


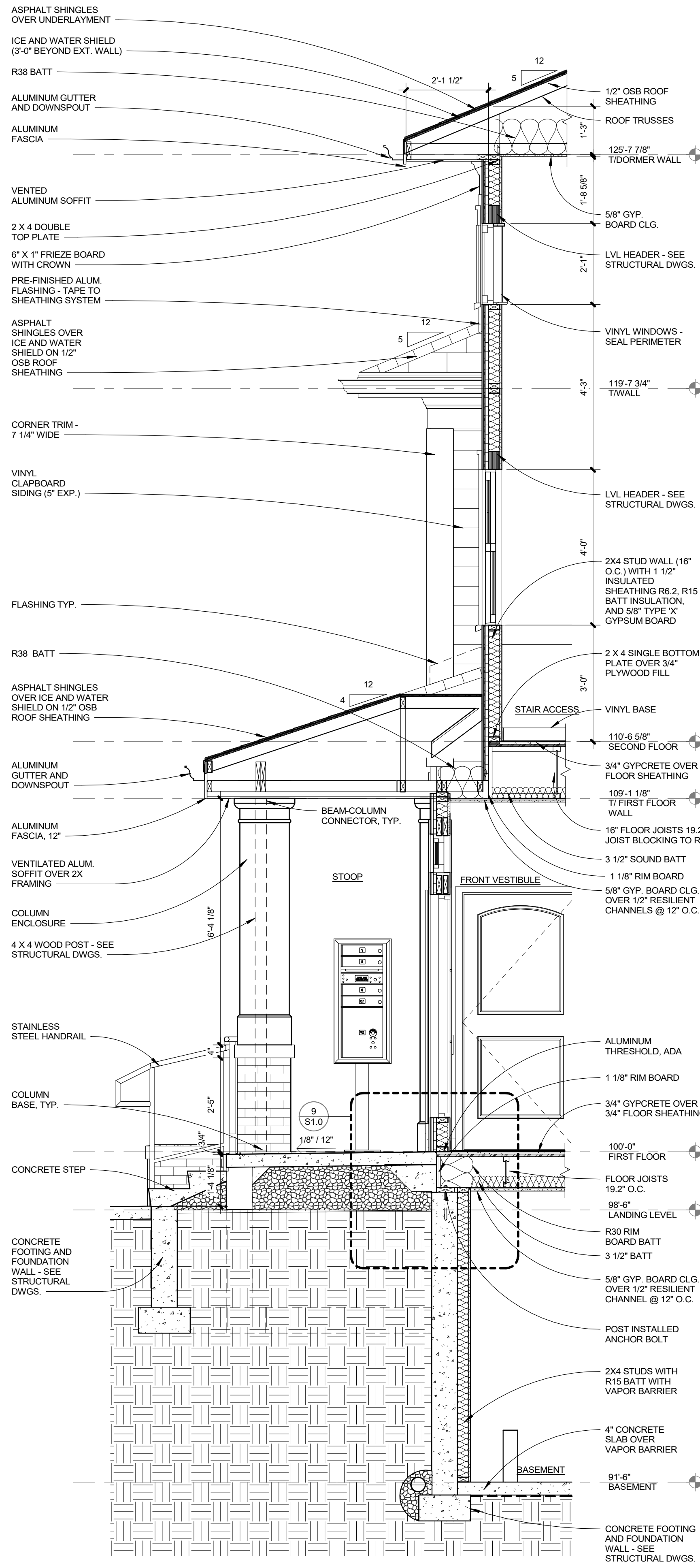
WEST ELEVATION
SCALE: 3/16" = 1'-0"

4
A3.0

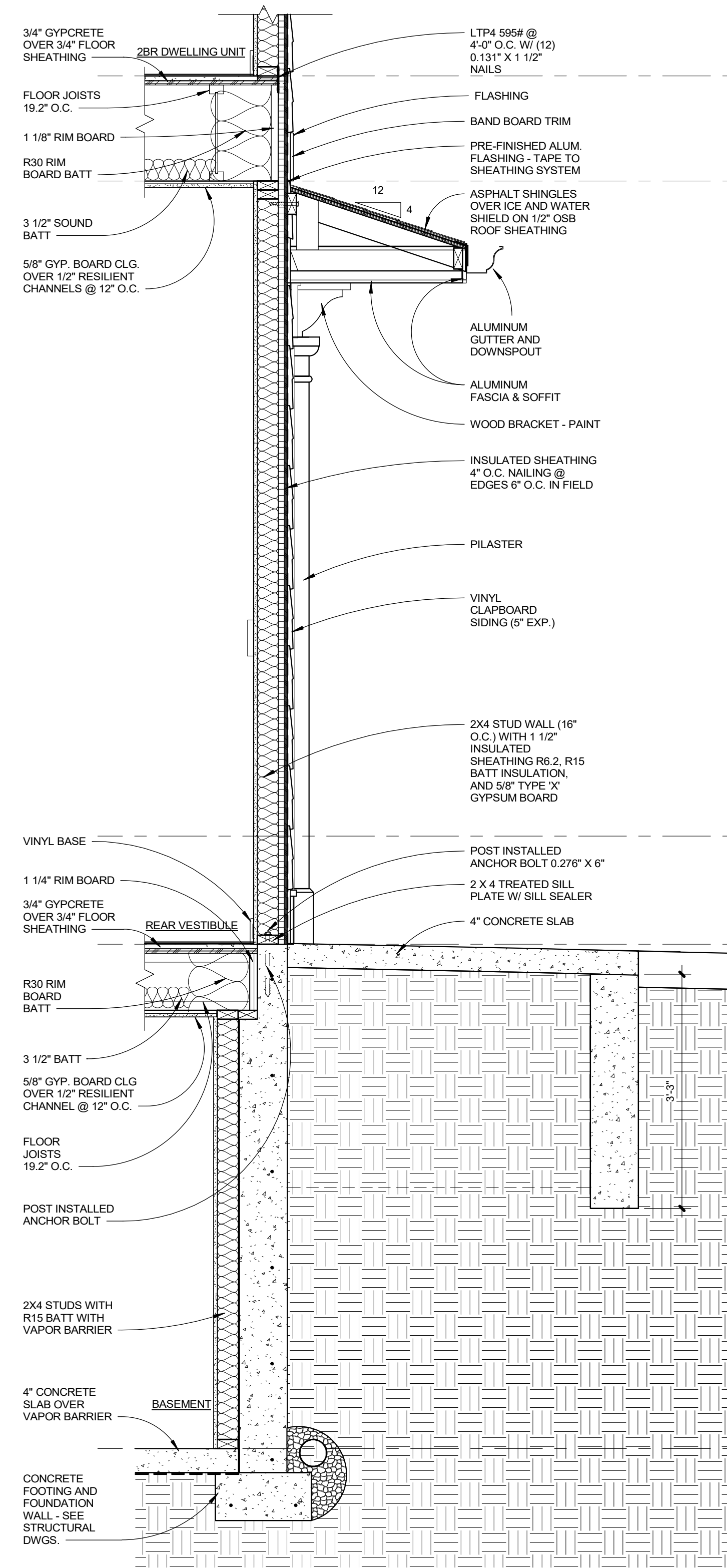
QUADPLEX BUILDING

FILE PATH: C:\Users\ahh\OneDrive\Documents\Revit\2025\Turnock Street 4 - elev_ahh\ahh2\COPY1.rvt
PLOT DATE: 2/27/2025 3:13:38 PM

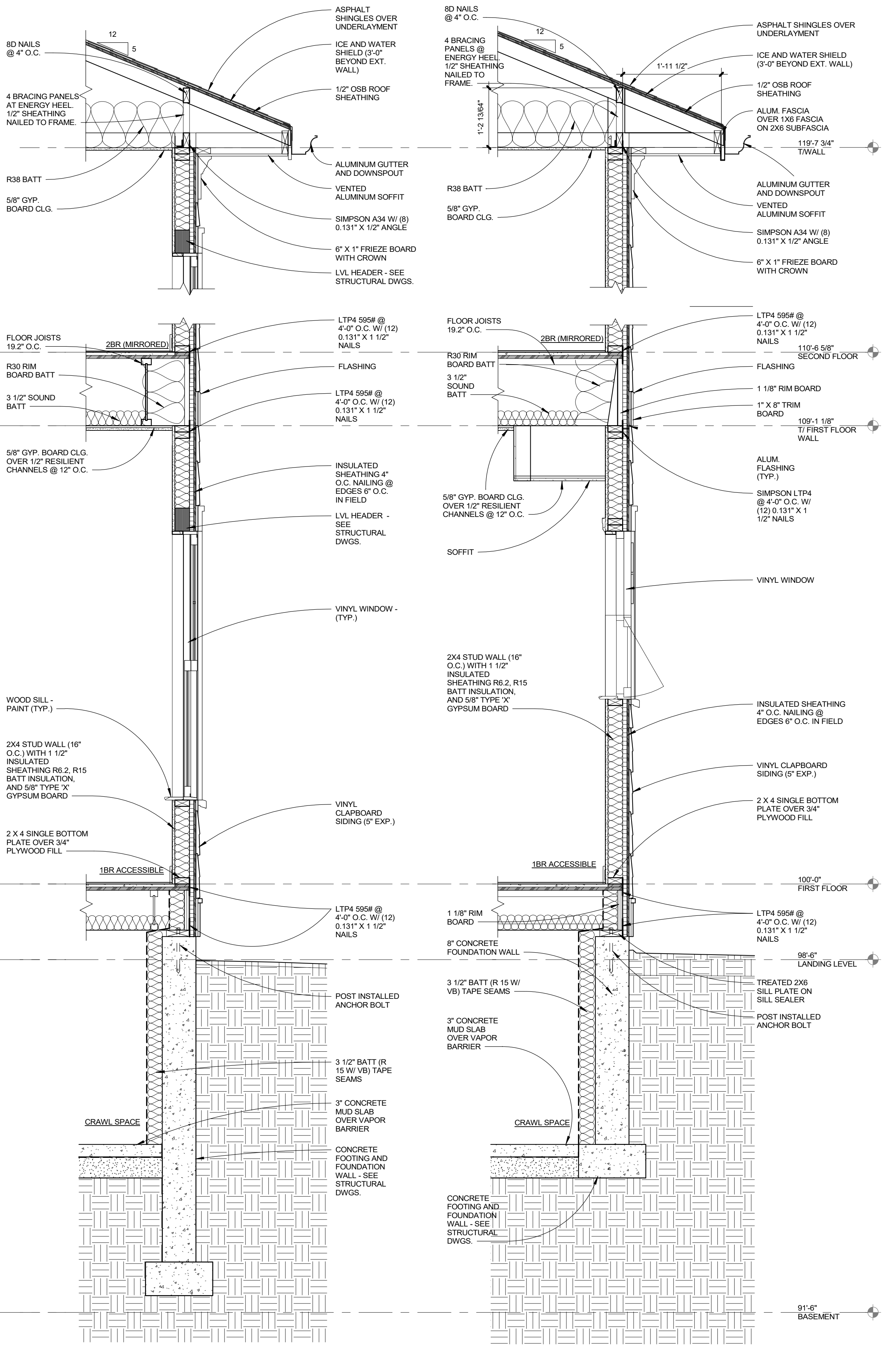




FRONT ENTRY WALL DETAIL
SCALE: 1/2" = 1'-0"
1
A4.1



REAR ENTRY WALL DETAIL
SCALE: 3/4" = 1'-0"
2
A4.1



EXTERIOR EAST WALL DETAIL
SCALE: 3/4" = 1'-0"
3
A4.1

EXTERIOR SOUTH WALL DETAIL
SCALE: 3/4" = 1'-0"
4
A4.1

FILE PATH: C:\Users\shahk\Documents\Revit\2021\Turnock Street 4.dwg, ahshk\210111.rvt
PLOT DATE: 2/27/2025 3:13:42 PM

ALLIANCE ARCHITECTS
929 Lincolnway East, Suite 200 | South Bend, Indiana 46601

REGISTERED ARCHITECT
No. AR12100097
STATE OF INDIANA

South Bend Heritage

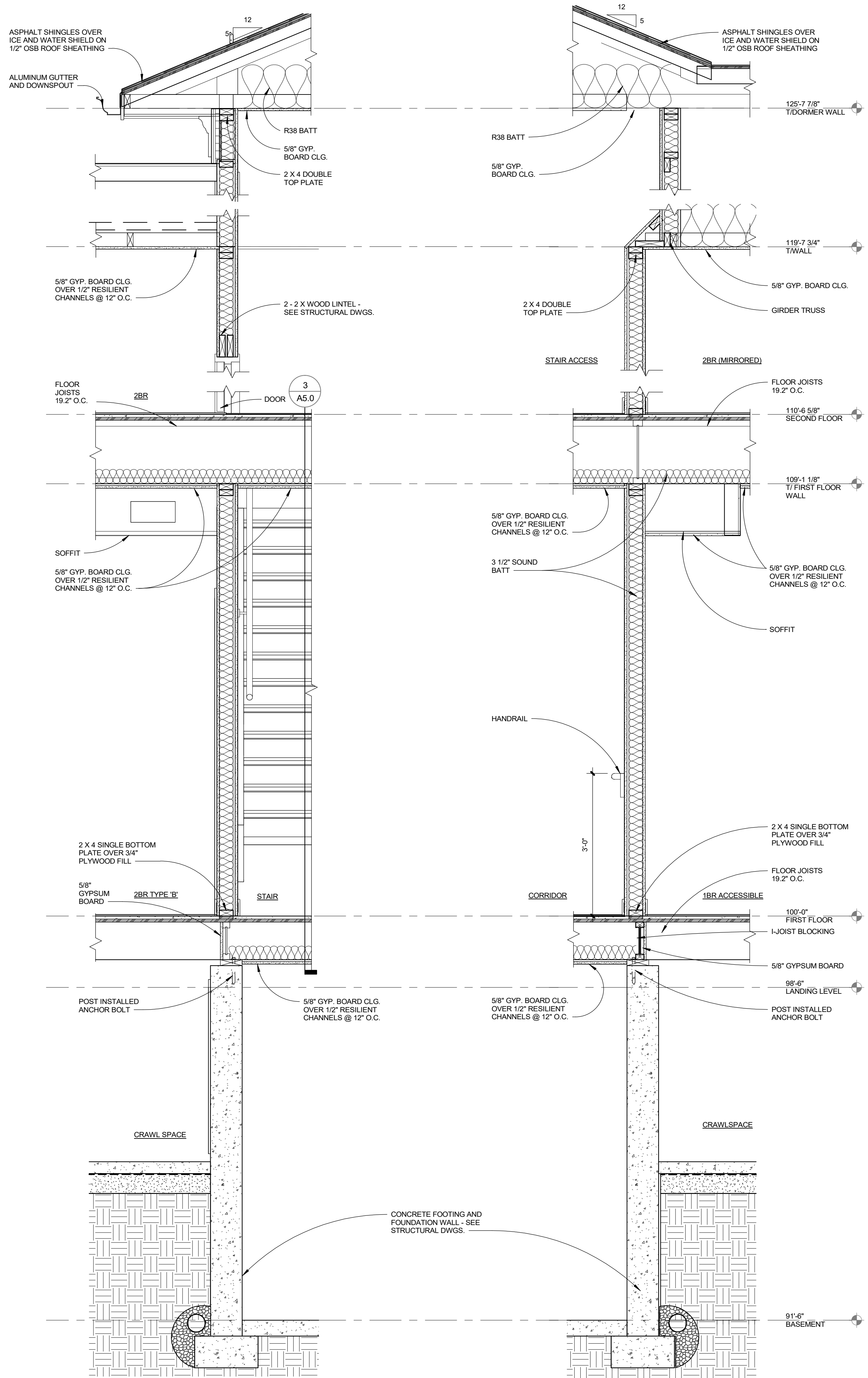
**TURNOCK STREET QUADPLEX
SOUTH BEND HERITAGE**
712 TURNOCK STREET
SOUTH BEND, INDIANA 46617

DATE: 03/07/2025

© 2025 ALLIANCE ARCHITECTS
ALL RIGHTS RESERVED

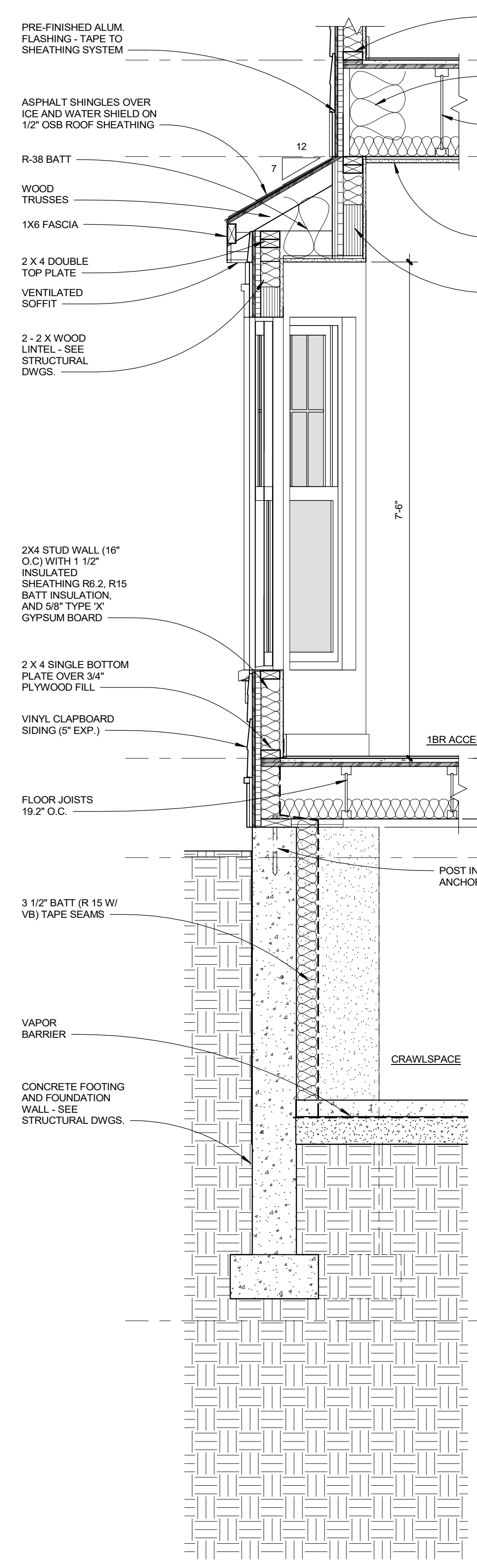
SHEET NO.
A4.1

QUADPLEX BUILDING

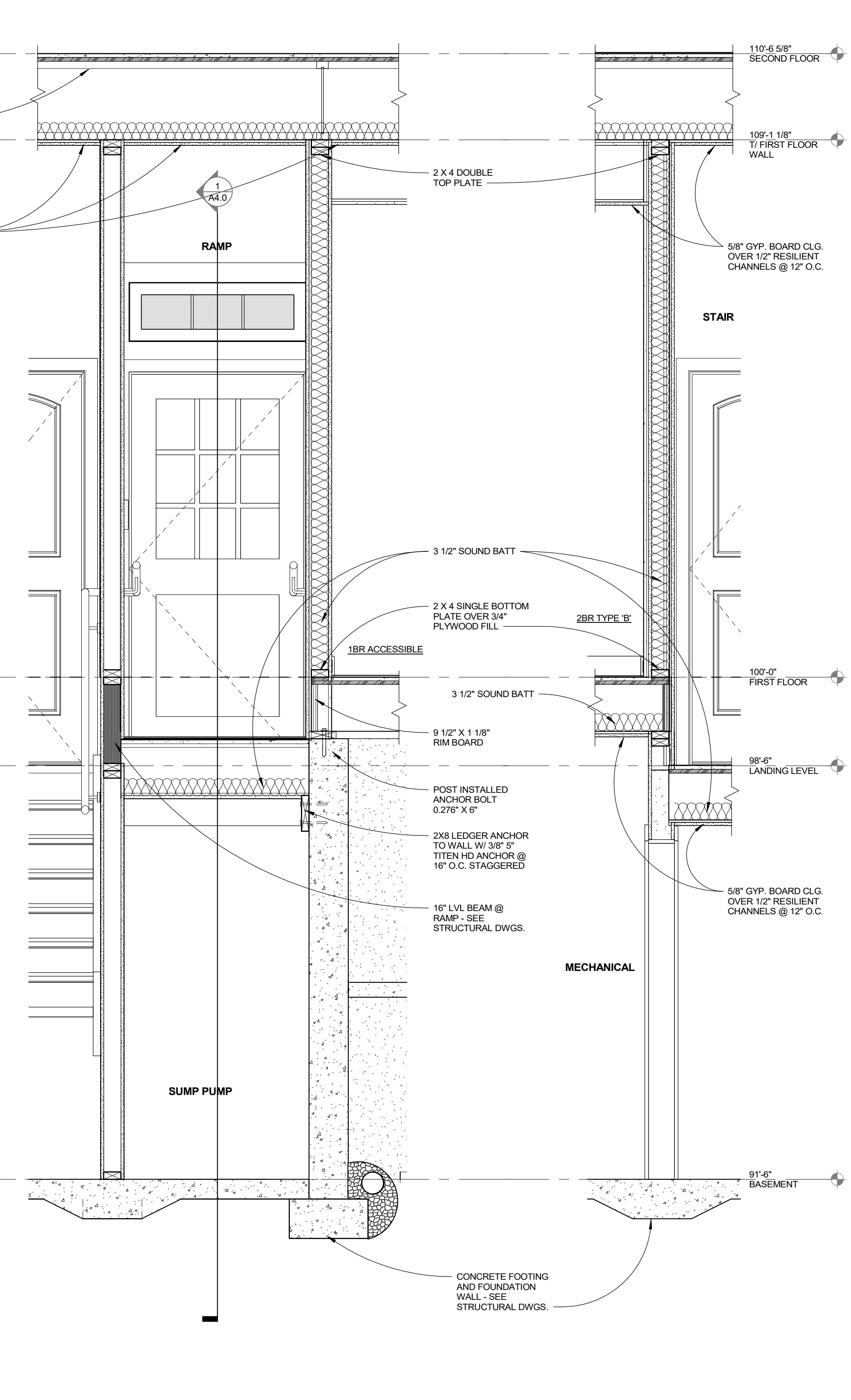


INTERIOR NORTH BEARING WALL
SCALE: 3/4" = 1'-0"
1 A4.2

INTERIOR SOUTH BEARING WALL
SCALE: 3/4" = 1'-0"
2 A4.2



BAY WINDOW WALL DETAIL
SCALE: 3/4" = 1'-0"
3 A4.2

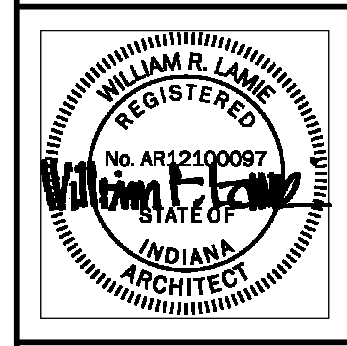


RAMP WALL
SCALE: 3/4" = 1'-0"
4 A4.2

INTERIOR BASEMENT WALL DETAIL
SCALE: 3/4" = 1'-0"
5 A4.2

QUADPLEX BUILDING

FILE PATH: C:\Users\ahhiker\Documents\Revit\2024\Turnock Street 4 - plot_all\ahhiker2\CH11.rvt
PLOT DATE: 2/27/2025 3:13:46 PM

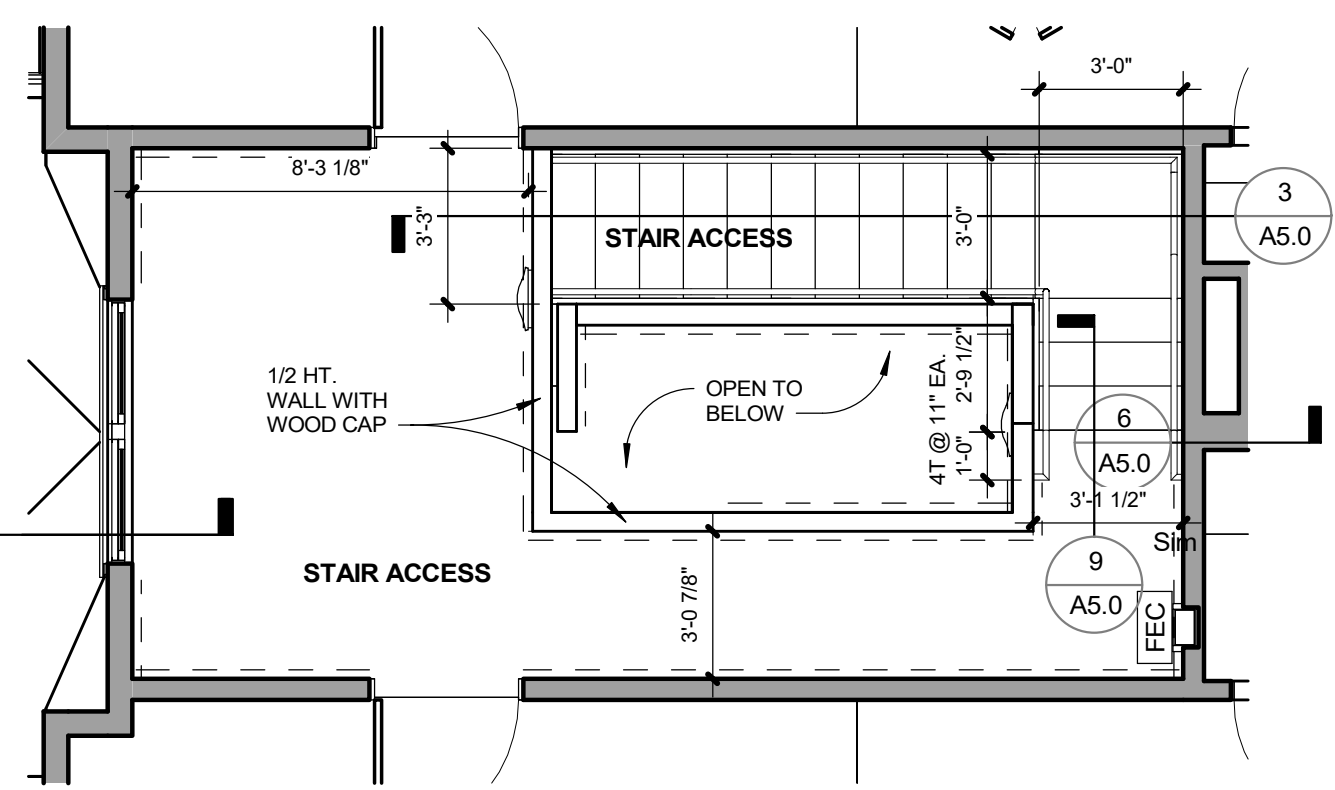


DATE: 03/07/2025

© 2025 ALLIANCE ARCHITECTS
ALL RIGHTS RESERVED

SHEET NO.

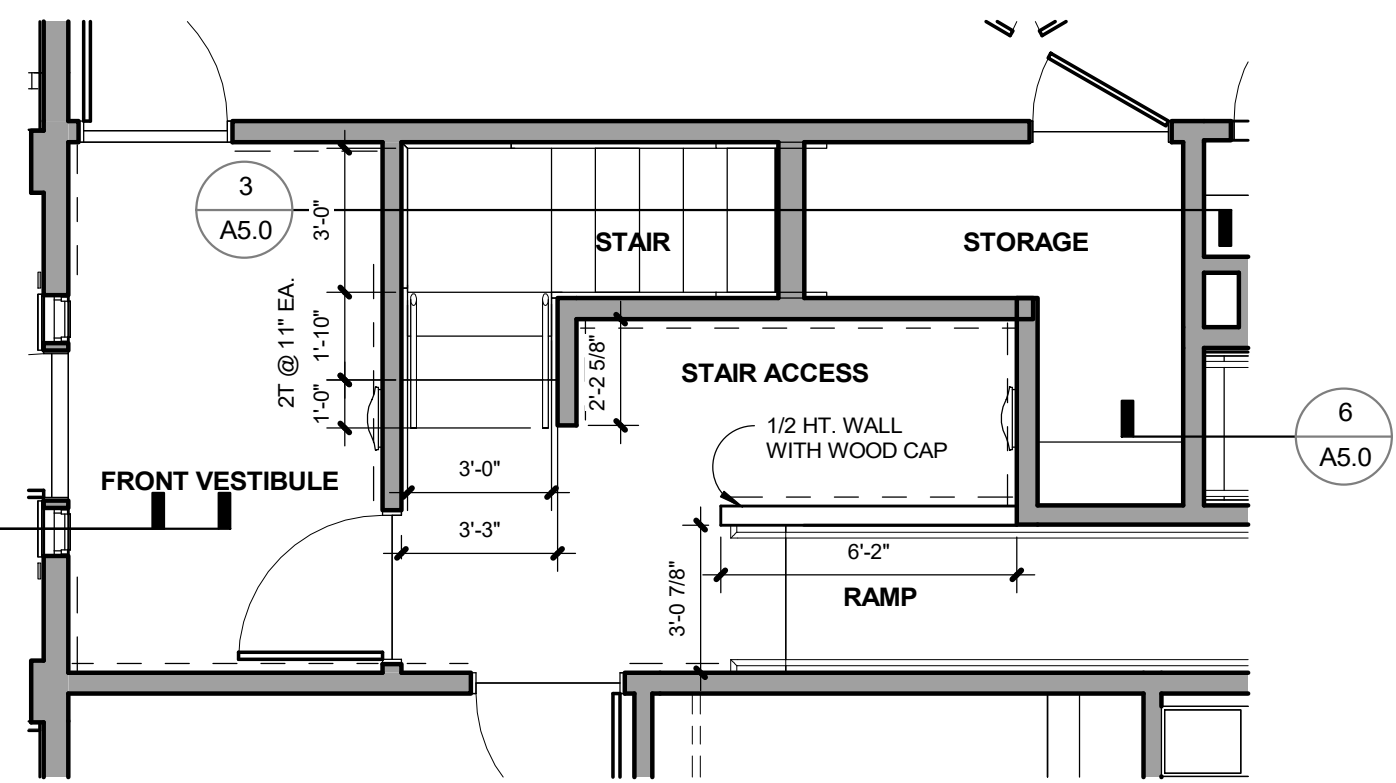
A4.2



**CENTRAL STAIR PLAN,
UPPER FLOOR**

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

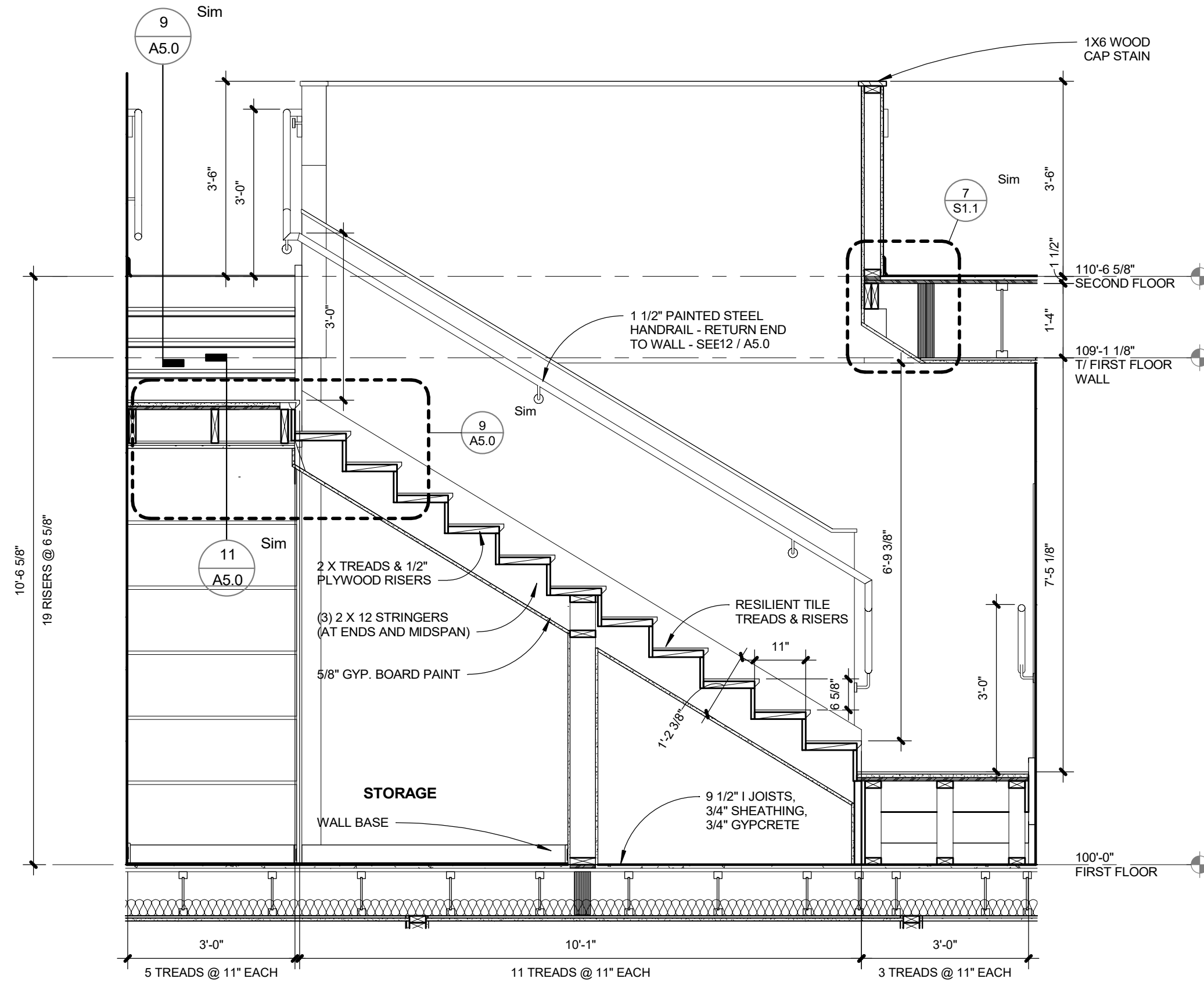
1
A5.0



**CENTRAL STAIR PLAN,
GROUND FLOOR**

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

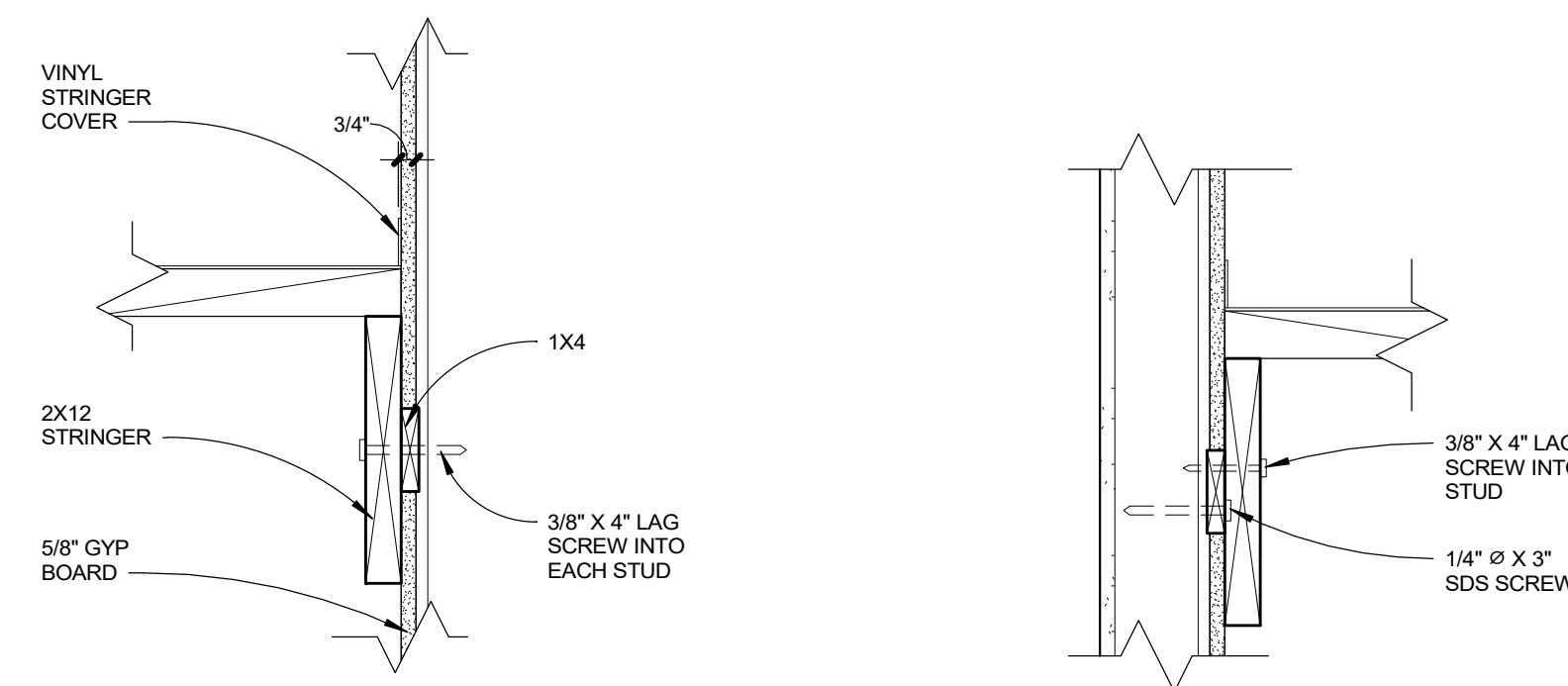
2
A5.0



CENTRAL STAIR SECTION

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

3
A5.0



STAIR DETAIL

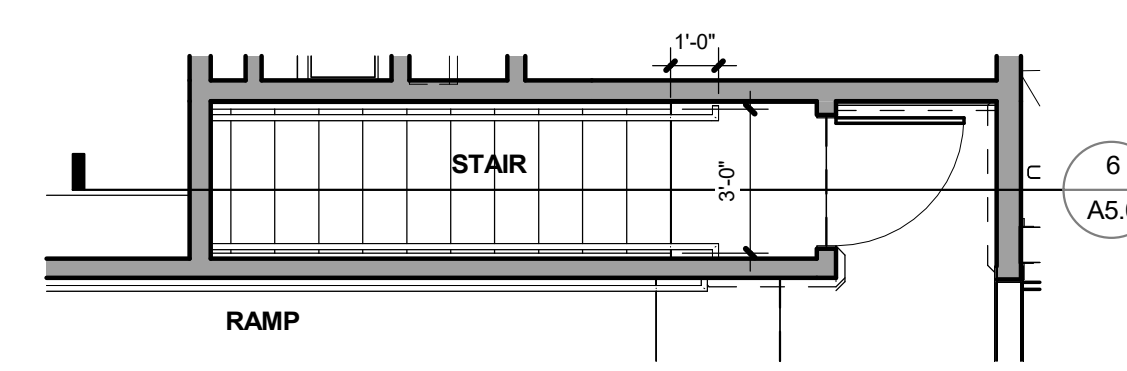
SCALE: 1 1/2" = 1'-0"

7
A5.0

STAIR DETAIL

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

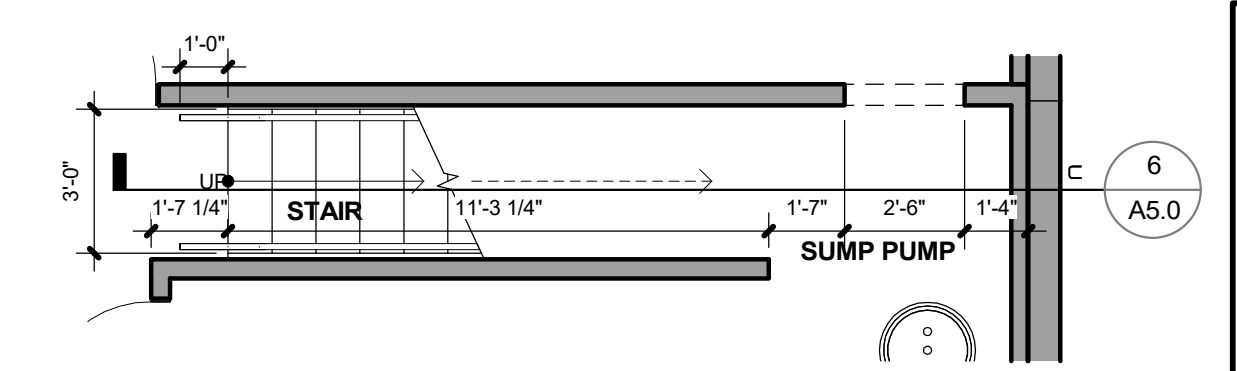
8
A5.0



**REAR STAIR PLAN,
GROUND FLOOR**

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

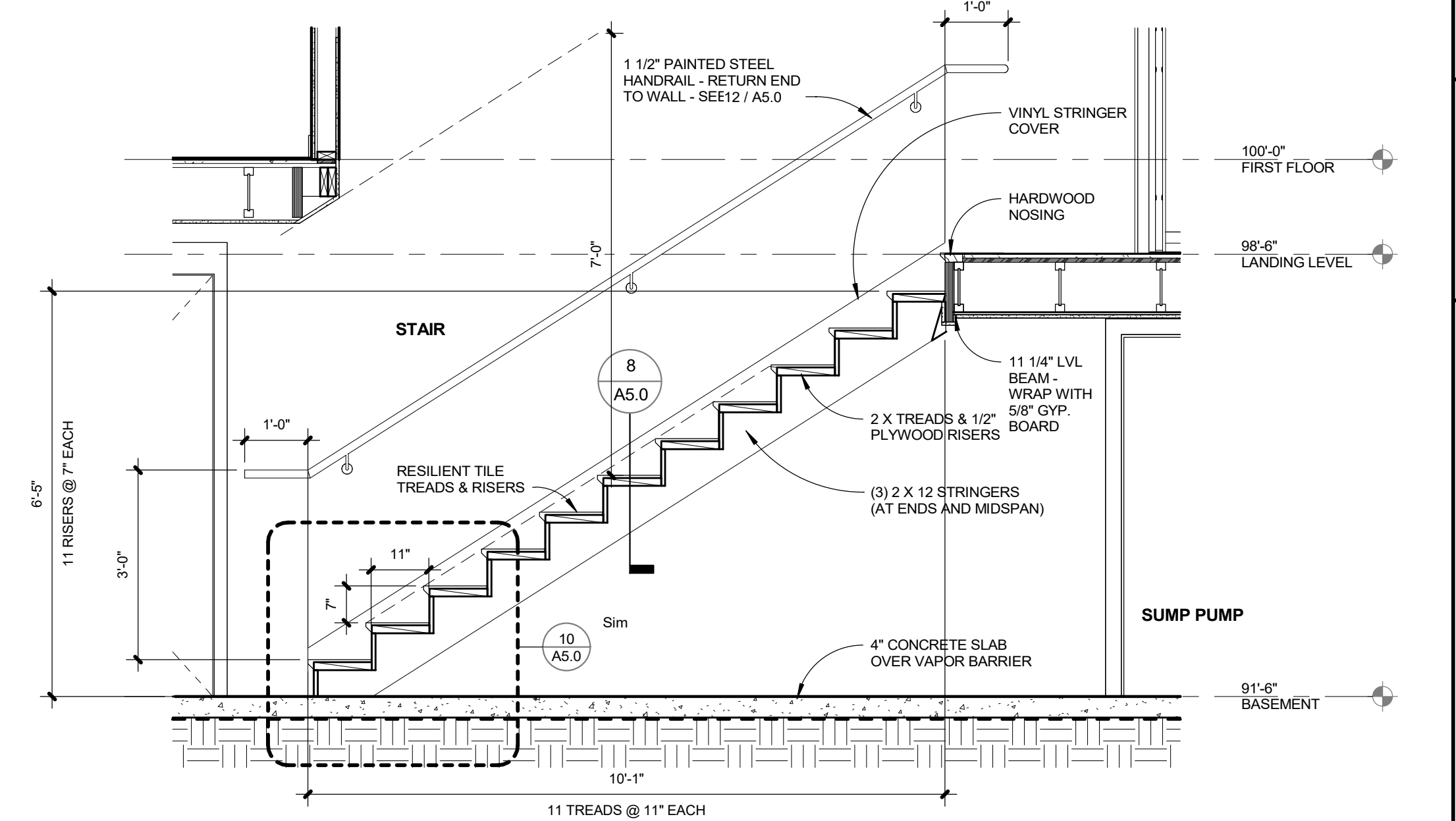
4
A5.0



**REAR STAIR PLAN,
BASEMENT**

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

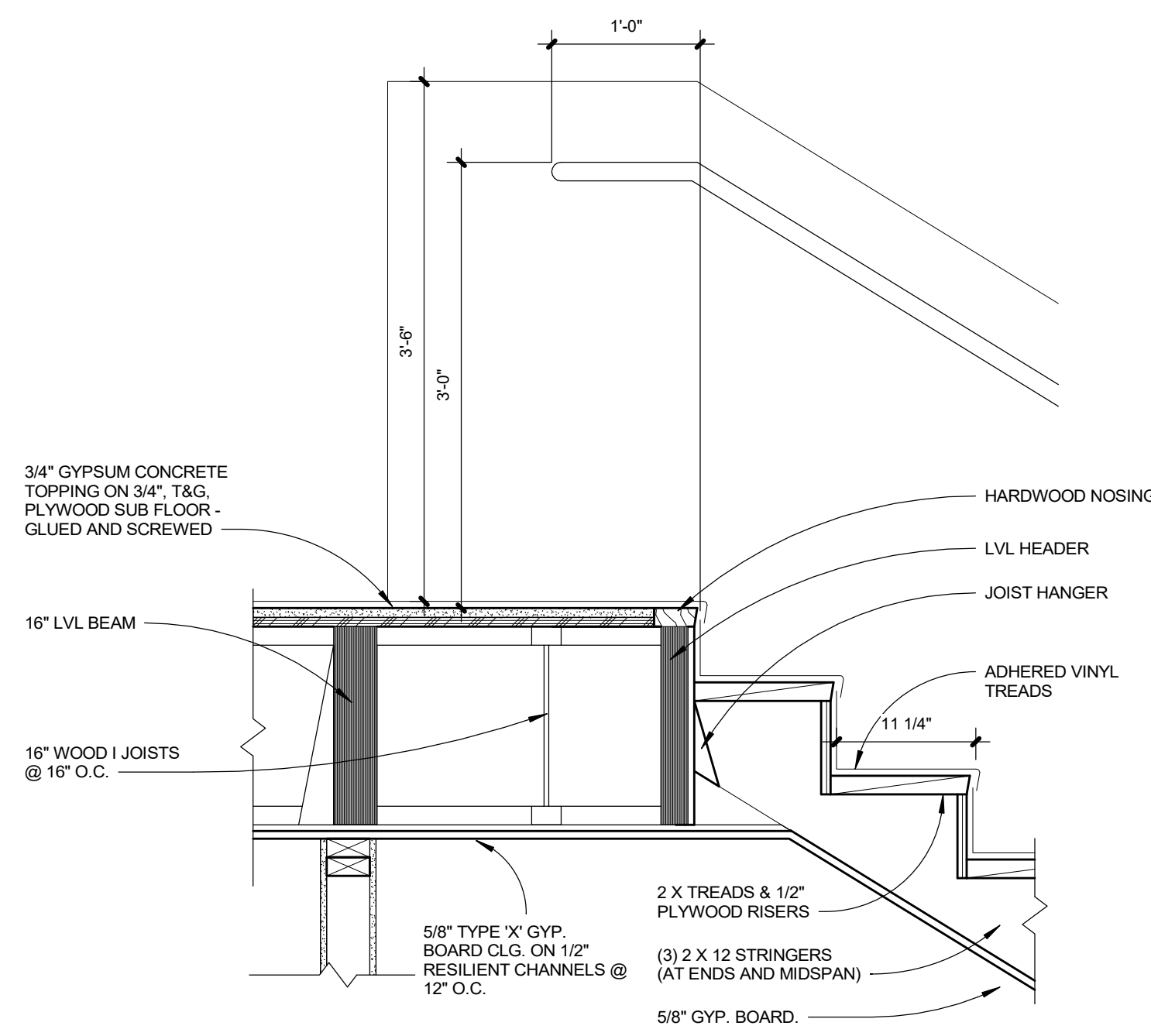
5
A5.0



REAR STAIR SECTION

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

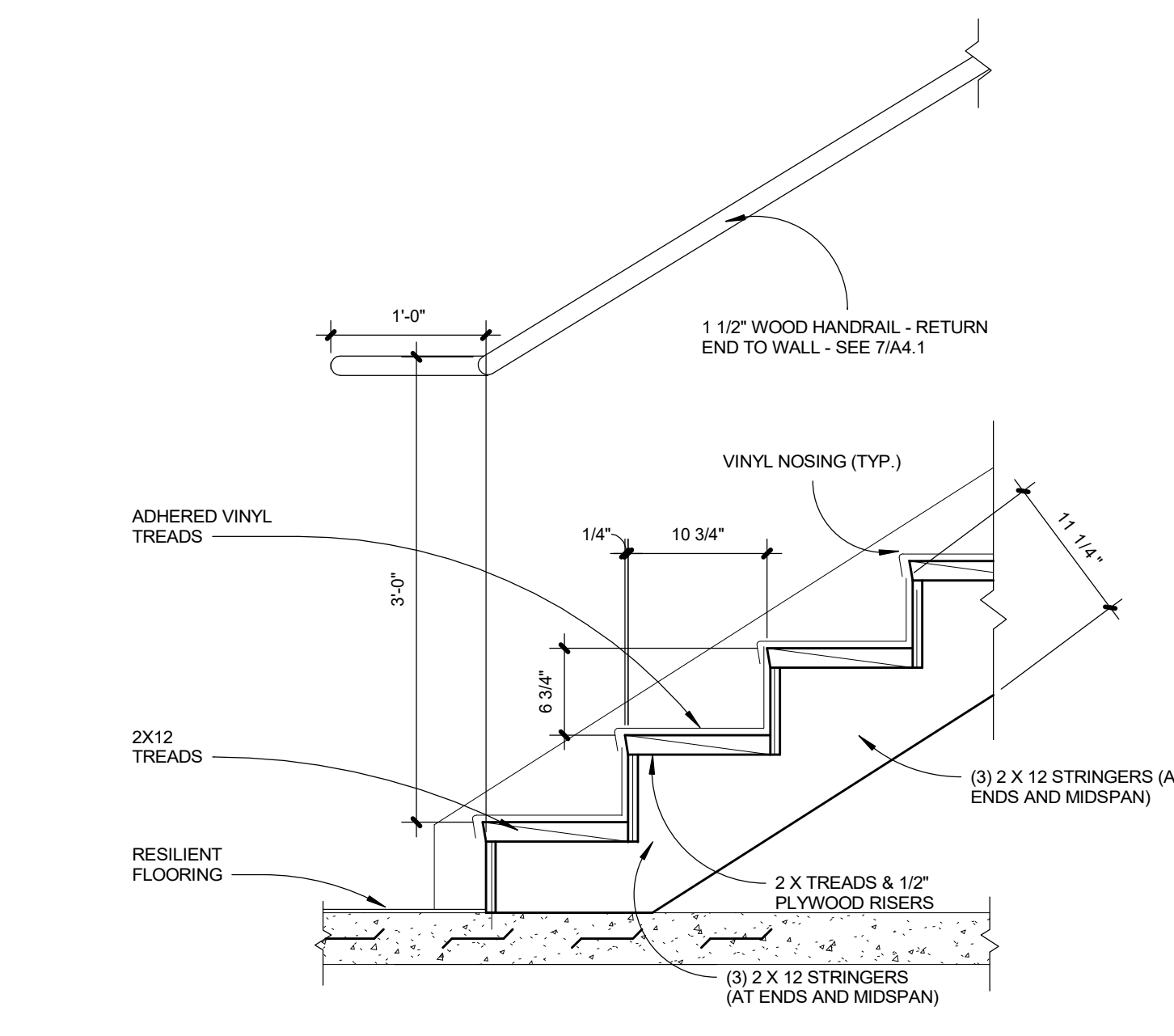
6
A5.0



STAIR DETAIL

SCALE: 1" = 1'-0"

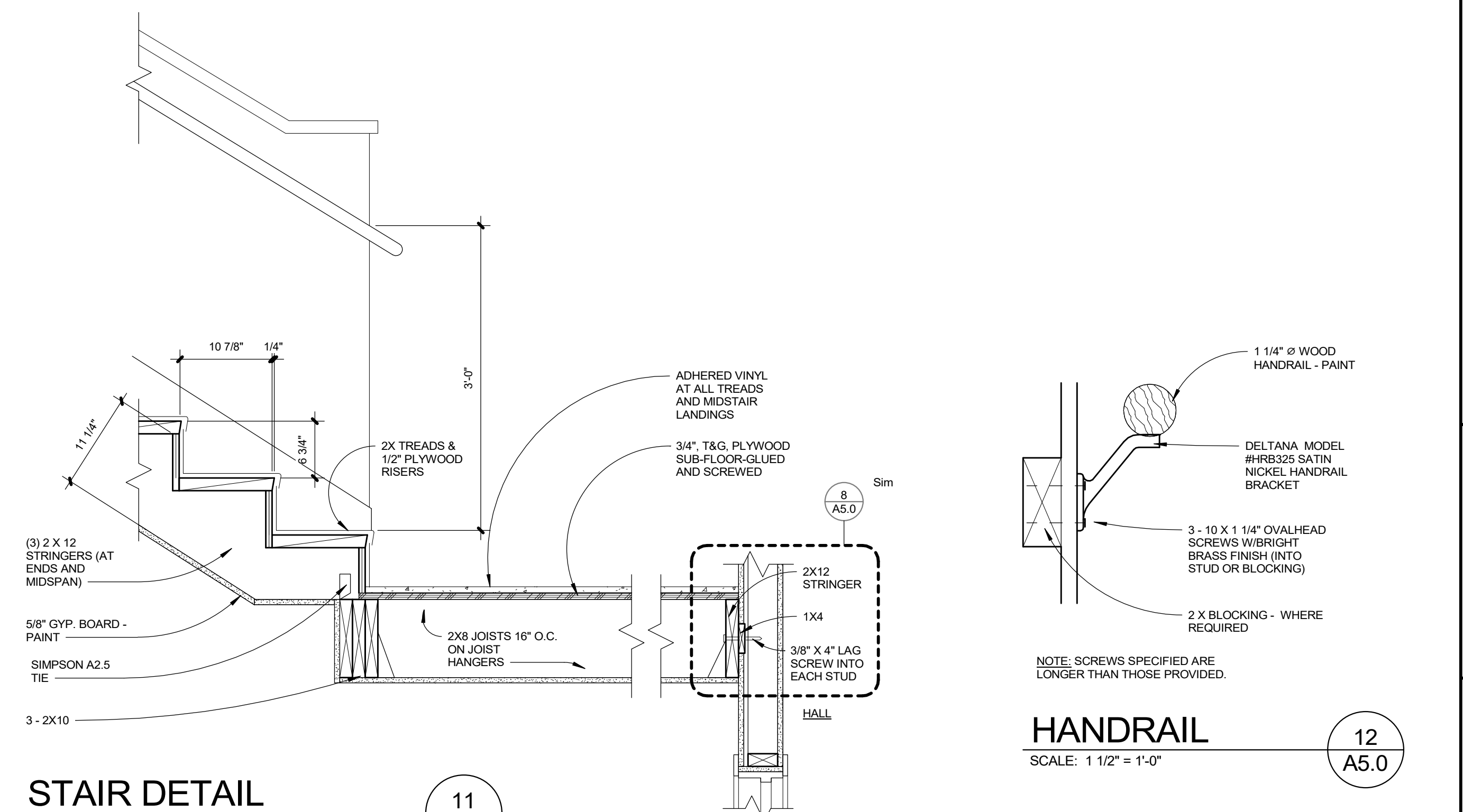
9
A5.0



STAIR DETAIL

SCALE: 1" = 1'-0"

10
A5.0



STAIR DETAIL

SCALE: 1" = 1'-0"

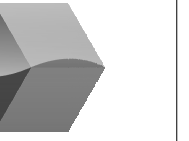
11
A5.0

HANDRAIL

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

12
A5.0

FILE PATH: C:\Users\shahk\Documents\Revit\2024\Turnock Street 4 - plot_all\shahk2\1011.rvt
PLOT DATE: 2/27/2025 3:13:50 PM



DOOR AND FRAME LEGEND

WD	WOOD - PAINT
HC	HOLLOW CORE WOOD DOOR - PAINT
HL	SOLID CORE WOOD, PREFINISHED, HALF LITE DOOR
PF	SOLID CORE WOOD, ROMAN ARCH, TWO PANEL DOOR - SEE SCHEDULE FOR FIRE RATING
F	FLUSH DOOR
FG	FIBERGLASS INSULATED DOOR
SC	WOOD SOLID CORE - PREFINISHED. SEE SCHEDULE FOR FIRE RATING
AMF	ADJUSTABLE METAL FRAME

DOOR NOTES

- SEE SPECIFICATION DIVISION 8 FOR GLAZING IN DOORS AND SIDELIGHTS.
- INSPECT DOOR OPERATION AND ADJUST AS REQUIRED.
- COORDINATE ROUGH OPENING DIMENSIONS PRIOR FRAMING.
- PAINT WOOD DOORS AND FRAMES UNLESS NOTED OTHERWISE.
- PAINT METAL DOORS AND FRAMES NOTED TO REMAIN.
- PAINT FIBERGLASS DOORS.
- SEE SPECIFICATION DIVISION 8 FOR DOOR HARDWARE.

UNIT DOOR SCHEDULE

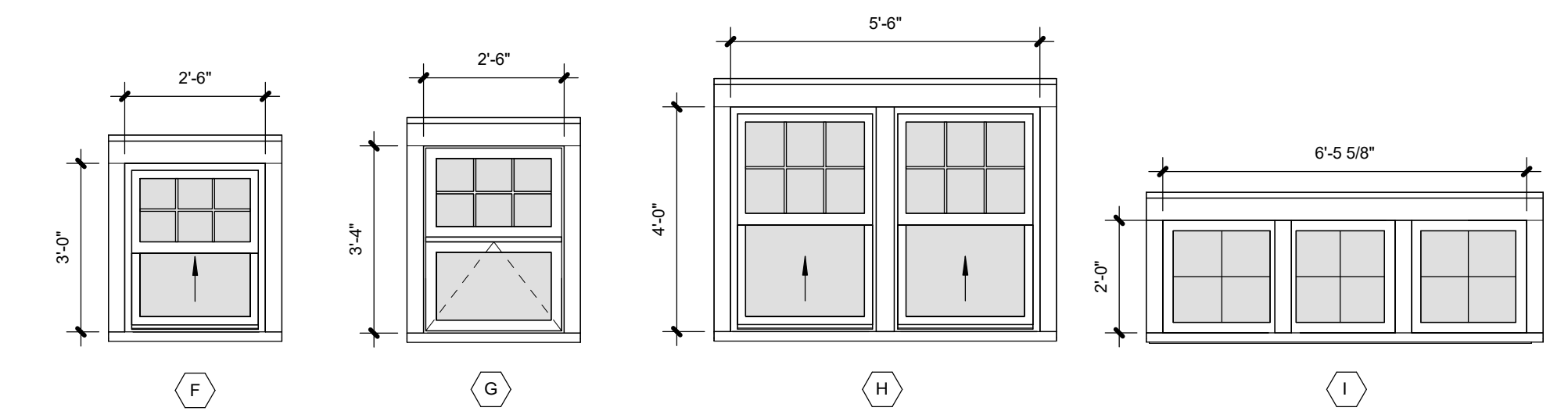
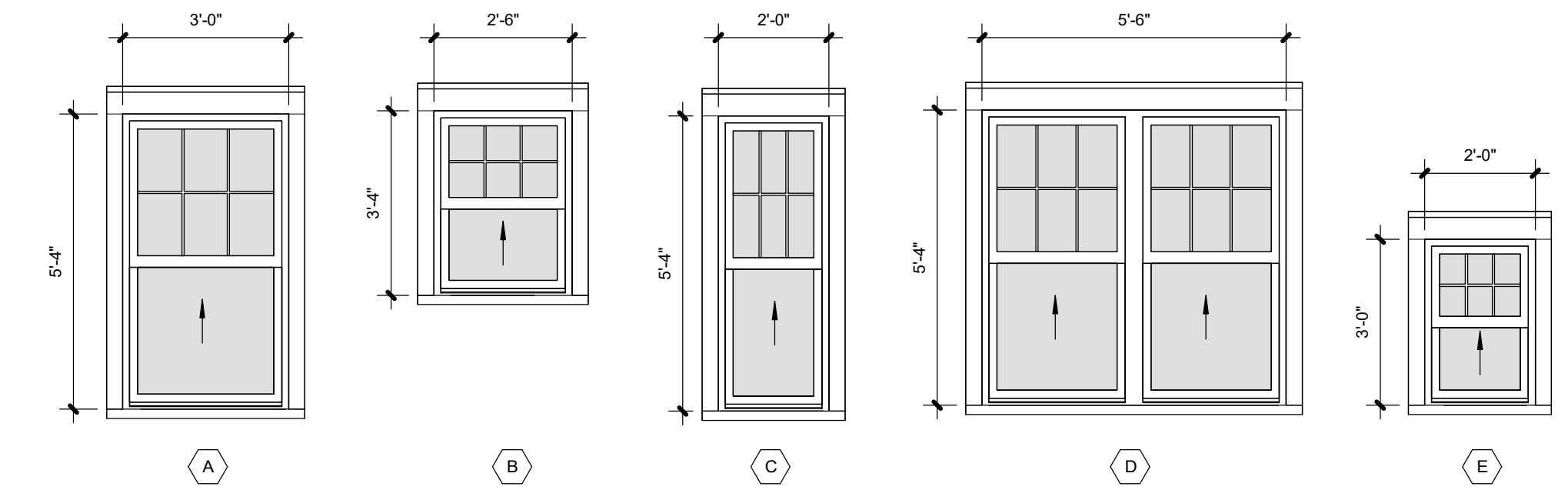
MARK	DESC.	WIDTH	HEIGHT	THICKNESS	DOOR TYPE	DOOR MATERIAL	FRAME MATERIAL	FRAME TYPE	HARDWARE SET	FIRE RATING	NOTES
1	APARTMENT ENTRY	3'-0"	6'-8"	1 3/4"	PF	SC	AMF	WD1	R1	20 MIN.	
2	BEDROOM + BATHROOM	3'-0"	6'-8"	1 3/4"	PF	HC	WD	WD1	R2		
3	BEDROOM	2'-10"	6'-8"	1 3/8"	PF	HC	WD	WD1	R2		
4	STORAGE	3'-0"	6'-8"	1 3/4"	PF	HC	WD	WD1	R5		
5	BEDROOM + BATHROOM	2'-6"	6'-8"	1 3/8"	PF	HC	WD	WD1	R2		
6	CLOSET	2'-0"	6'-8"	1 3/8"	PF	HC	WD	WD1	R5		
7	CLOSET	5'-0"	6'-8"	1 3/8"	PF	HC	WD	WD1	R3		PAIR
8	STORAGE	2'-10"	6'-8"	1 3/8"	PF	HC	WD	WD1	R5		
9	PANTRY	2'-4"	6'-8"	1 3/8"	PF	HC	WD	WD1	R5		
10	LAUNDRY	2'-6"	6'-8"	1 3/8"	PF	HC	WD	WD1	R5		
11	FURNACE	2'-10"	5'-2"	1 3/8"	F	HC	WD	WD1	R4		
12	FURNACE	2'-4"	5'-2"	1 3/8"	F	HC	WD	WD1	R4		
13	REMOTE STORAGE	2'-4"	6'-8"	1 3/8"	F	SC	AMF	MT1	R1	20 MIN.	

WINDOW SCHEDULE

MARK	TYPE	WIDTH	HEIGHT	NOTES
A	WINDOW SINGLE HUNG	3'-0"	5'-4"	
B	WINDOW SINGLE HUNG	2'-6"	3'-4"	
C	WINDOW SINGLE HUNG	2'-0"	5'-4"	
D	WINDOW SINGLE HUNG	5'-6"	5'-4"	DOUBLE WINDOW
E	WINDOW SINGLE HUNG	2'-0"	3'-0"	
F	WINDOW SINGLE HUNG	2'-6"	3'-0"	
G	FIXED UPPER / AWNING LOWER	2'-6"	3'-4"	
H	WINDOW SINGLE HUNG	5'-6"	4'-0"	DOUBLE WINDOW
I	WINDOW FIXED	6'-6"	2'-1"	TRIPLE WINDOW

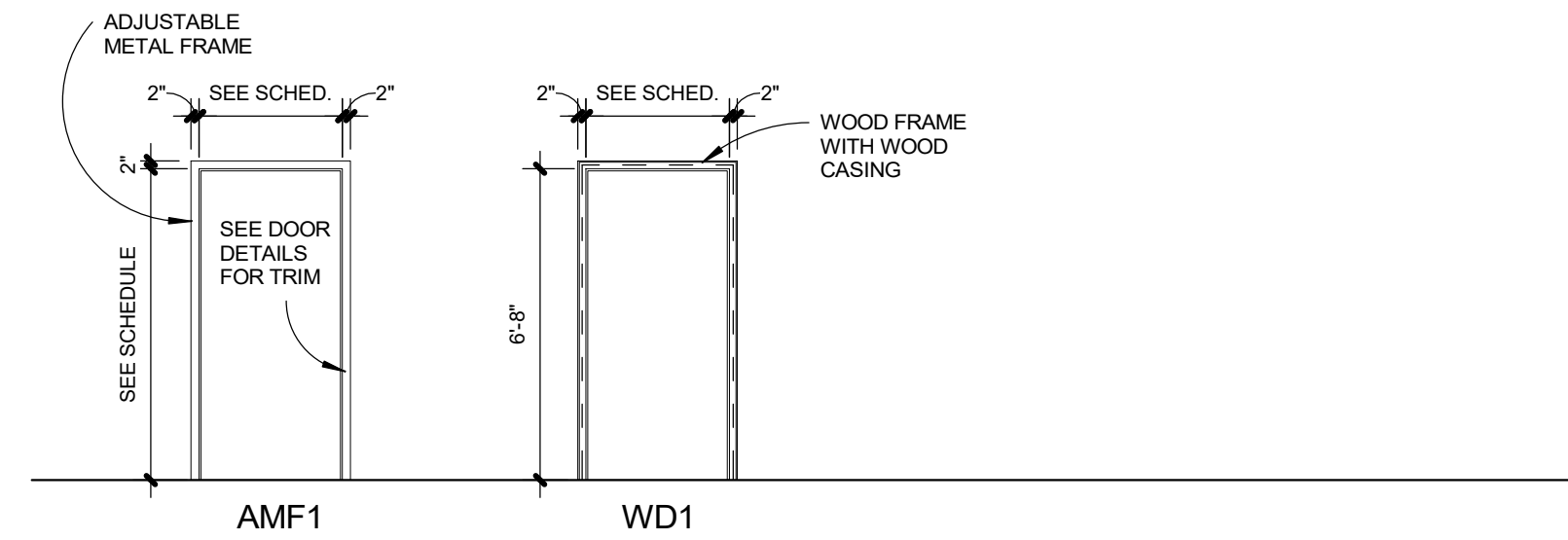
COMMON AREA DOOR SCHEDULE

MARK	DESC.	WIDTH	HEIGHT	THICKNESS	DOOR TYPE	DOOR MATERIAL	FRAME MATERIAL	FRAME TYPE	HARDWARE SET	FIRE RATING	NOTES
100	FRONT ENTRY	3'-0"	6'-8"	1 3/4"	3P	SC	WD	WD1	01		INSULATED TEMPERED GLAZING
101	VESTIBULE	3'-0"	6'-8"	1 3/4"	HL	MI	WD	WD1	02		INSULATED TEMPERED GLAZING
102	REAR ENTRY	3'-0"	6'-8"	1 3/4"	HL	MF	WD	WD1	01		INSULATED TEMPERED GLAZING
103	BASEMENT	2'-8"	6'-8"	1 3/8"	PF	SC	AMF	MT1	01	60 MIN.	
104	MECHANICAL/MAINTENANCE	3'-0"	6'-8"	1 3/8"	PF	SC	AMF	MT1	03		INCLUDE LOUVER IN BOTTOM PANEL
105	MECHANICAL/MAINTENANCE	2'-4"	6'-8"	1 3/8"	PF	SC	AMF	MT1	03		INCLUDE LOUVER IN BOTTOM PANEL



WINDOW ELEVATIONS

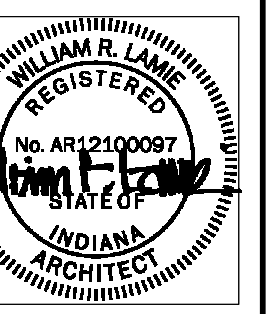
SCALE: 3/8" = 1'-0"

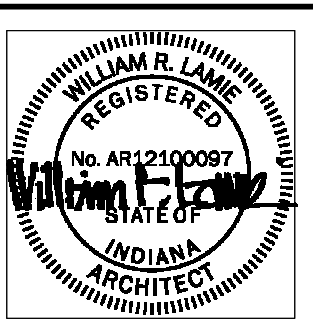


FRAME TYPE ELEVATIONS



DOOR TYPE ELEVATIONS



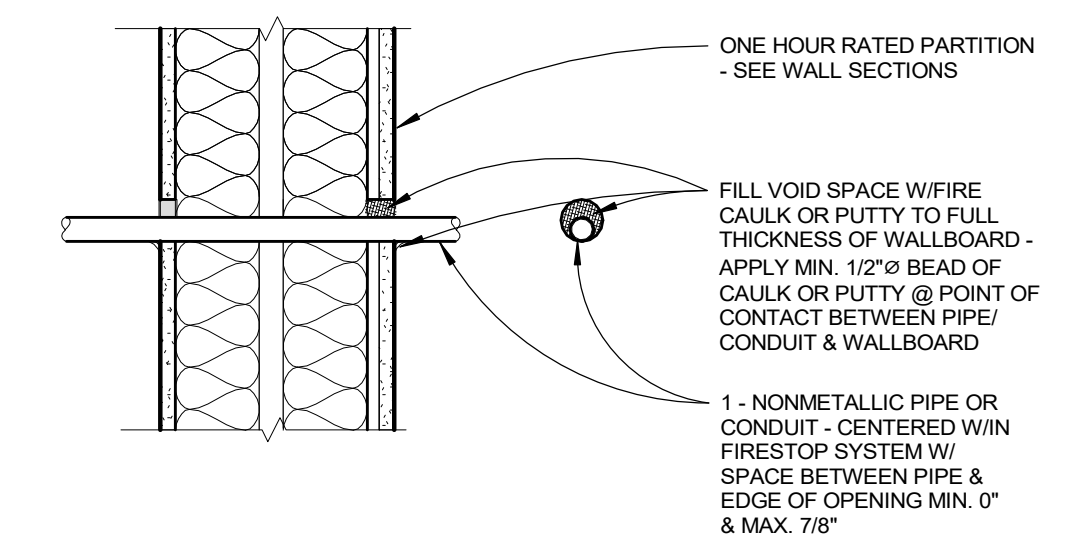


DATE:
03/07/2025

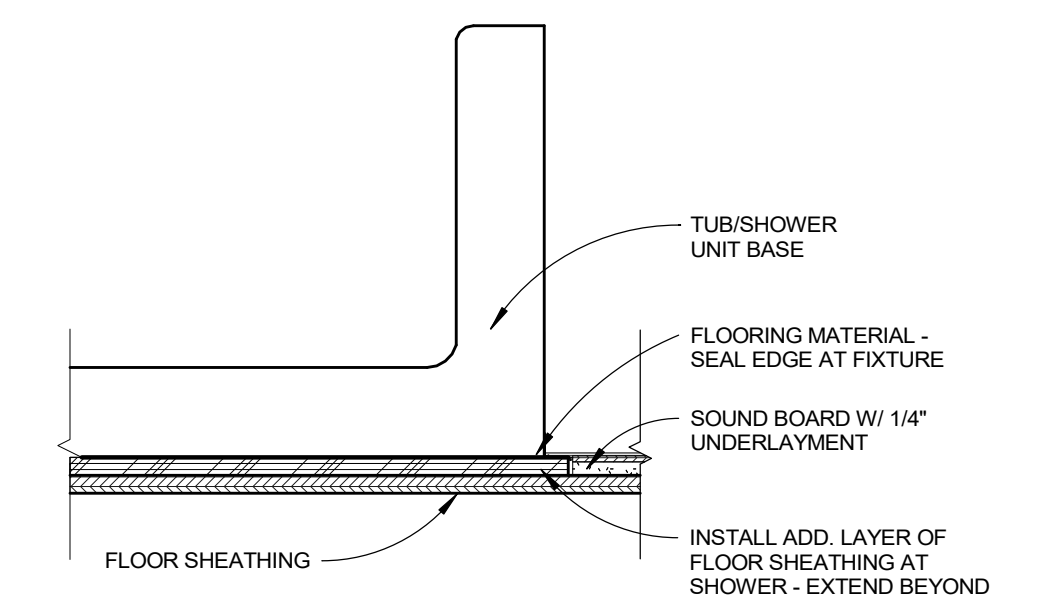
© 2025 ALLIANCE ARCHITECTS
 ALL RIGHTS RESERVED

SHEET NO.

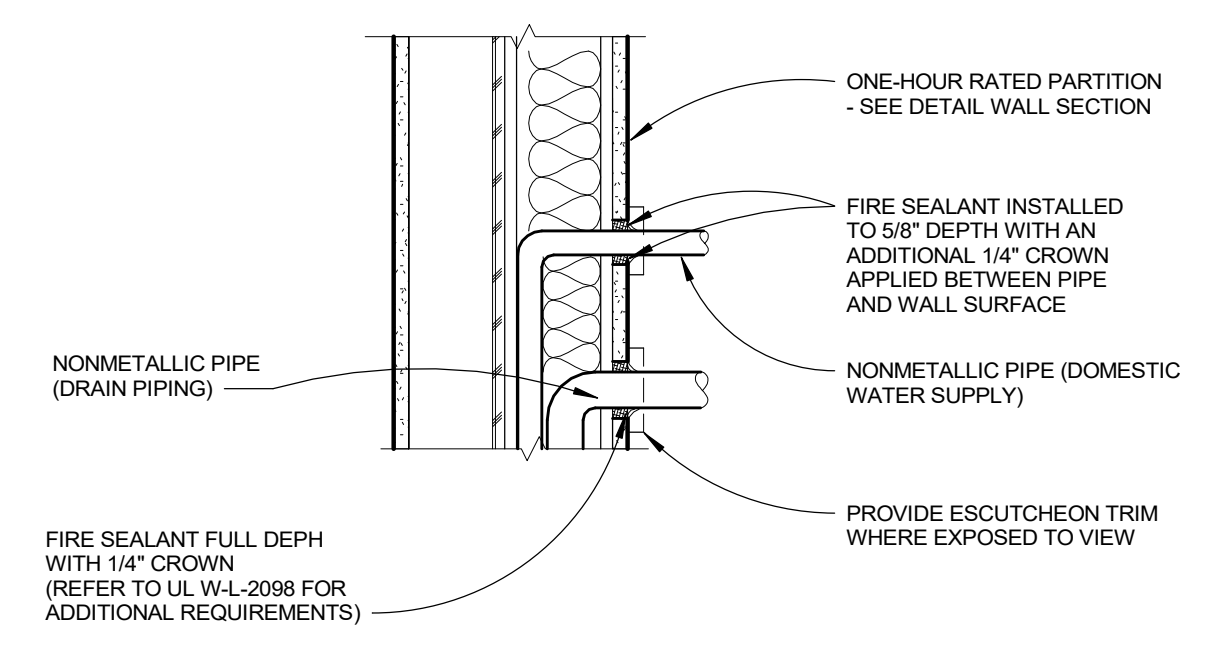
A6.1



DETAIL @ NON-METALLIC PIPE PENETRATIONS
 SCALE: 1 1/2" = 1'-0"

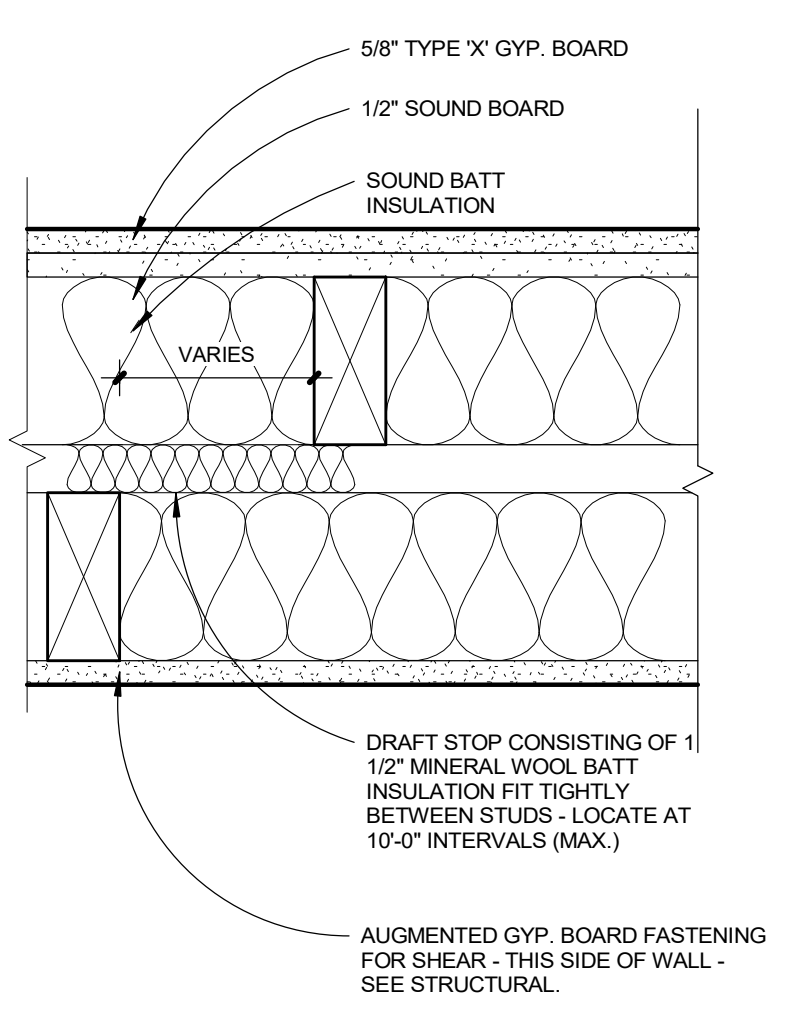


DETAIL AT UPPER FLOOR APARTMENT SHOWER BASE
 SCALE: 1 1/2" = 1'-0"

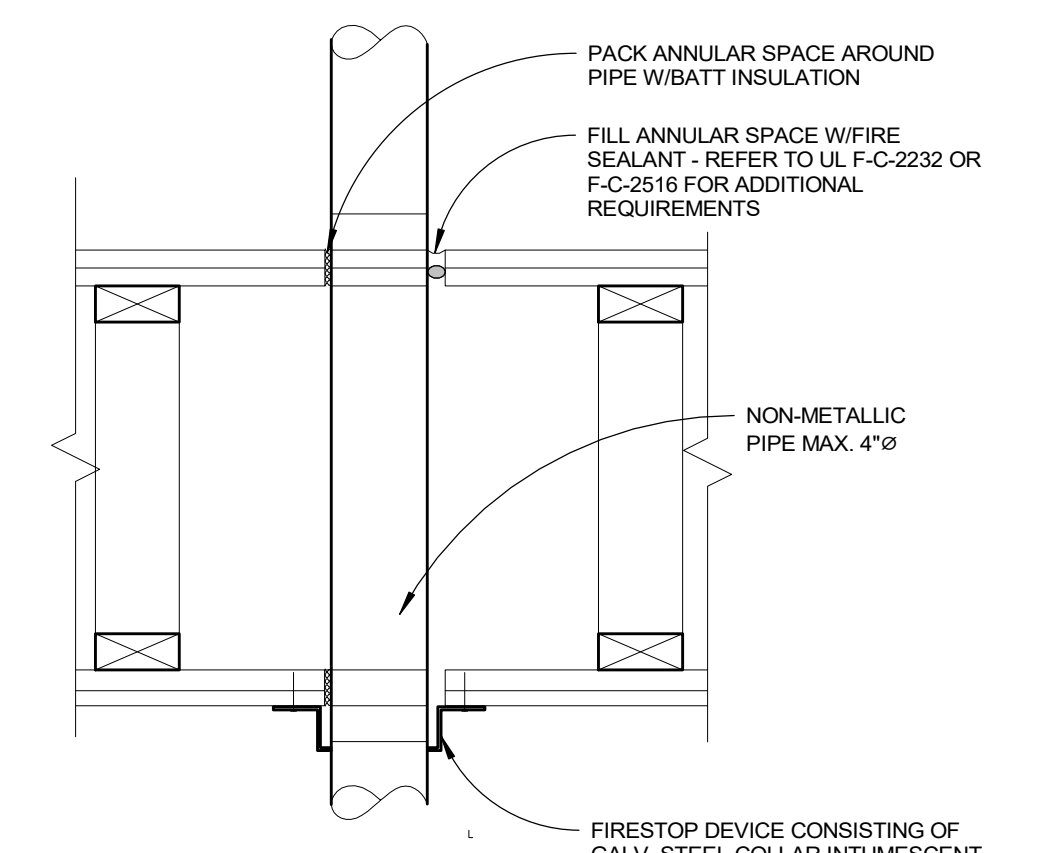


DETAIL
 SCALE: 1 1/2" = 1'-0"

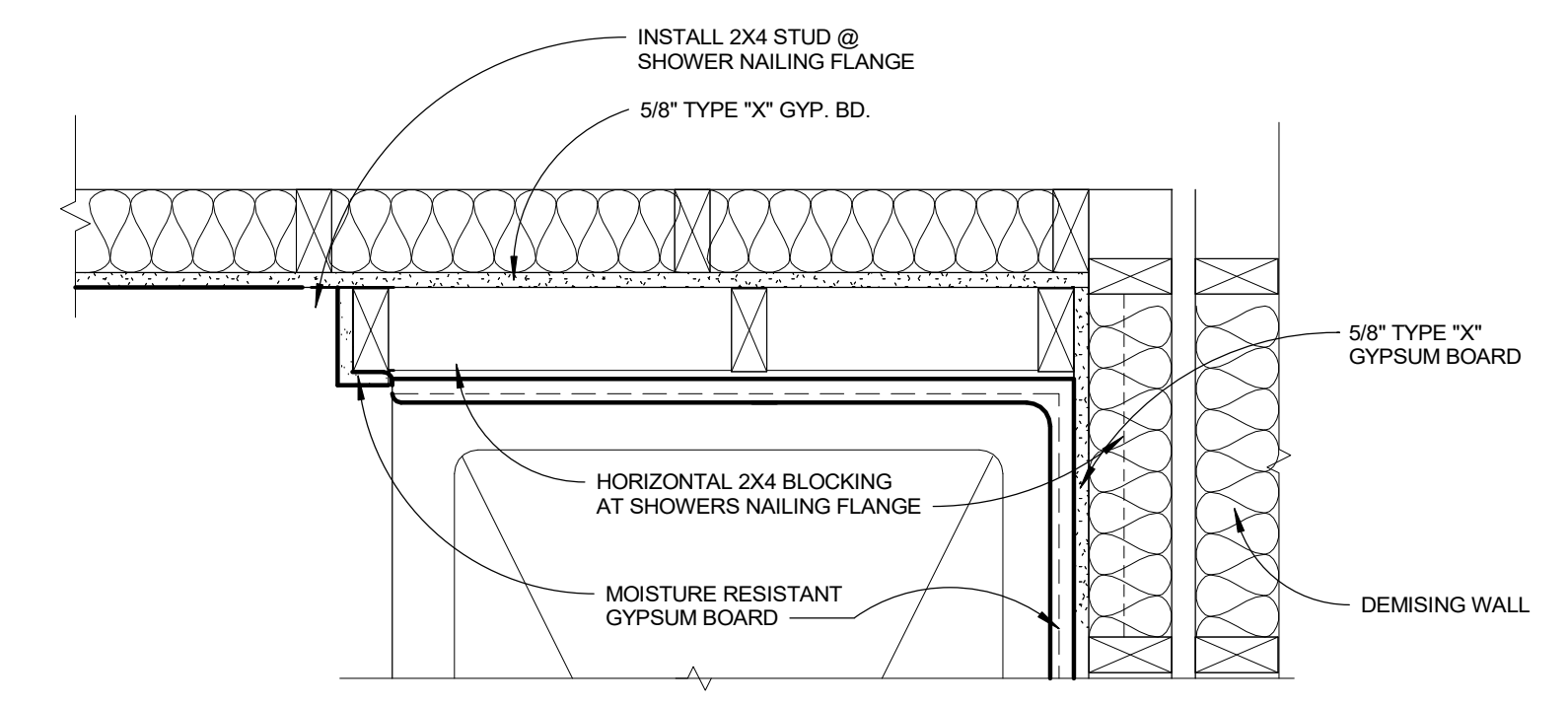
NOTE: FIRESTOPPING DETAILS SHOWN ARE SCHEMATIC. PROVIDE COMPLETE INSTALLATION IN ACCORDANCE WITH SYSTEM SPECIFIED. VERIFY REQUIREMENTS FOR MAXIMUM SIZES OF ANNULAR SPACES, FASTENING, ETC. AND COMPLY WITH SAME.



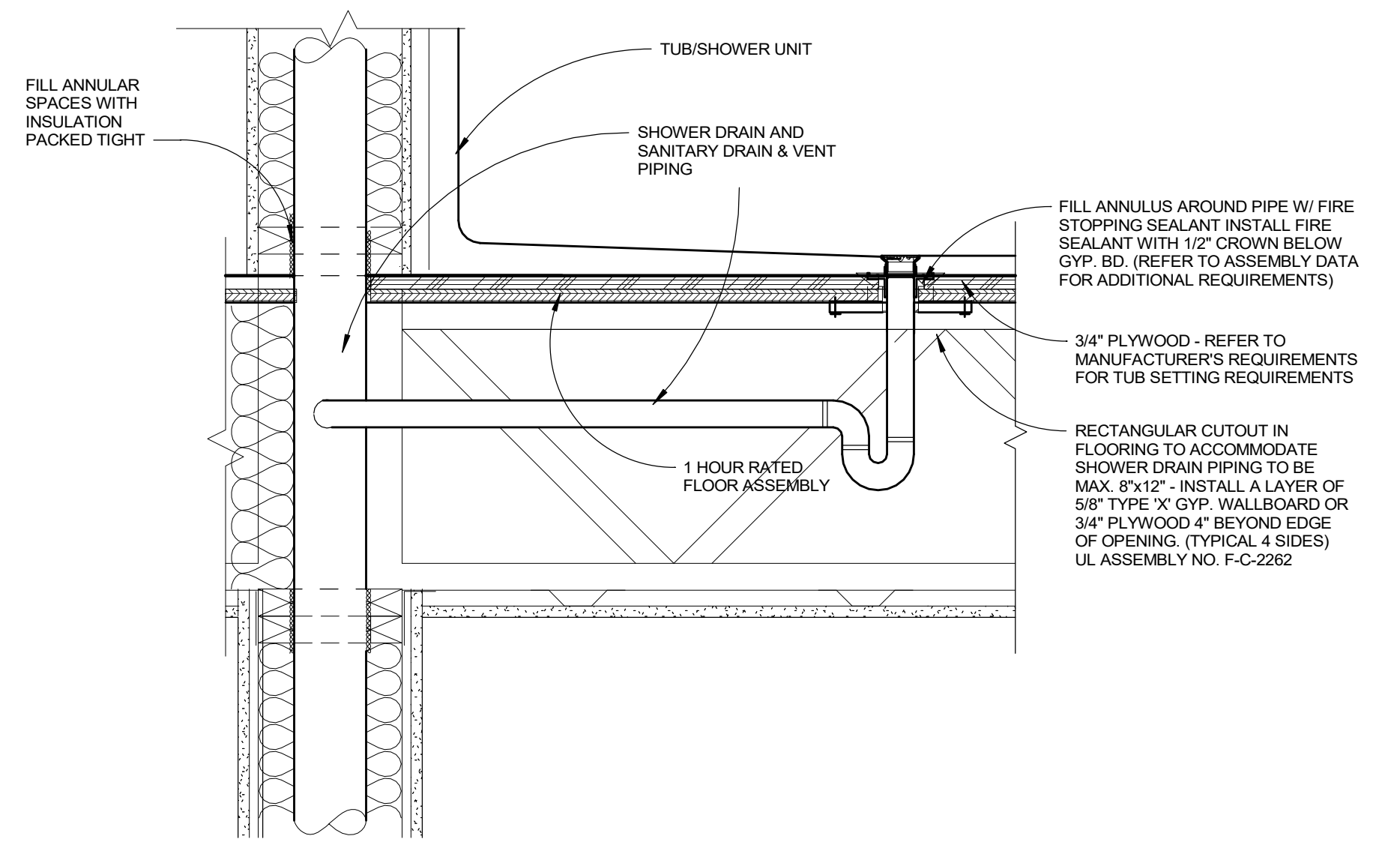
DETAIL @ DEMISING PARTITION
 SCALE: 3" = 1'-0"



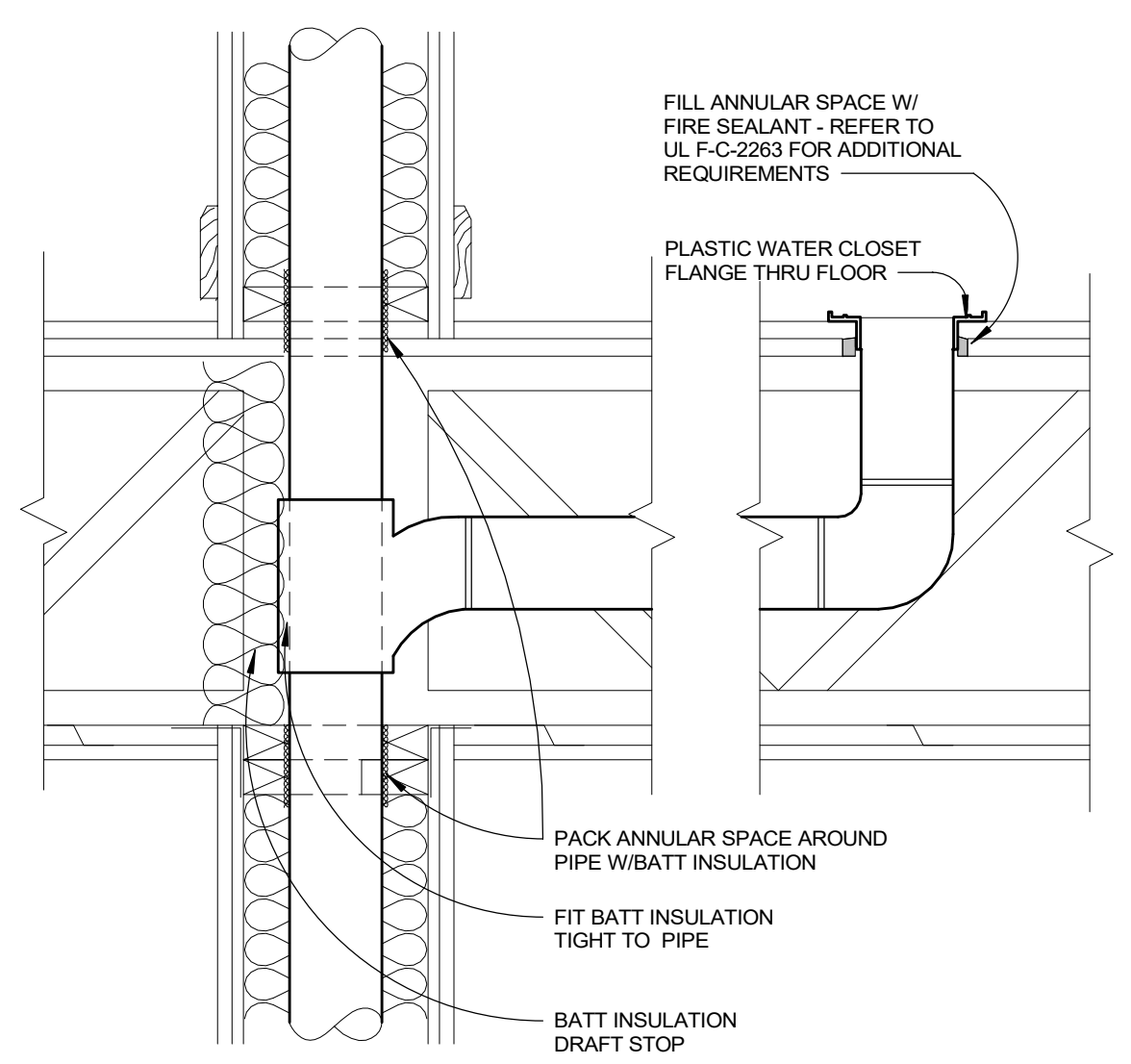
DETAIL @ NON-METALLIC PIPE PENETRATIONS
 SCALE: 1 1/2" = 1'-0"



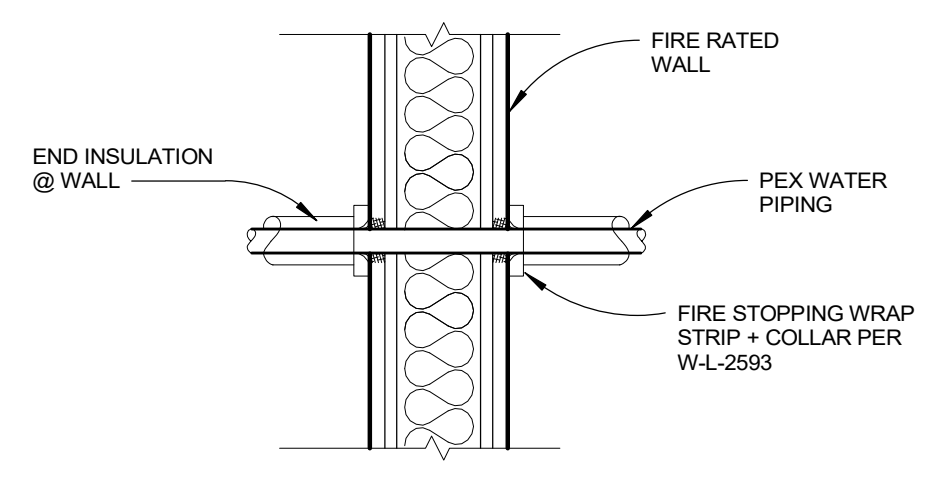
DETAIL @ TYP. TUB ENCLOSURE
 SCALE: 1 1/2" = 1'-0"



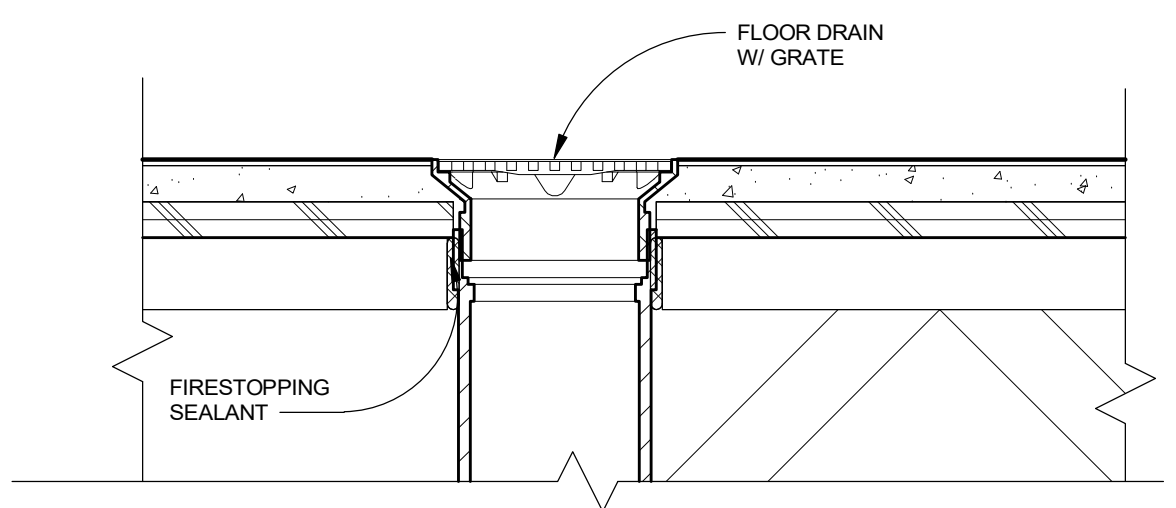
DETAIL AT UPPER FLOOR APARTMENT TUBS
 SCALE: 1 1/2" = 1'-0"



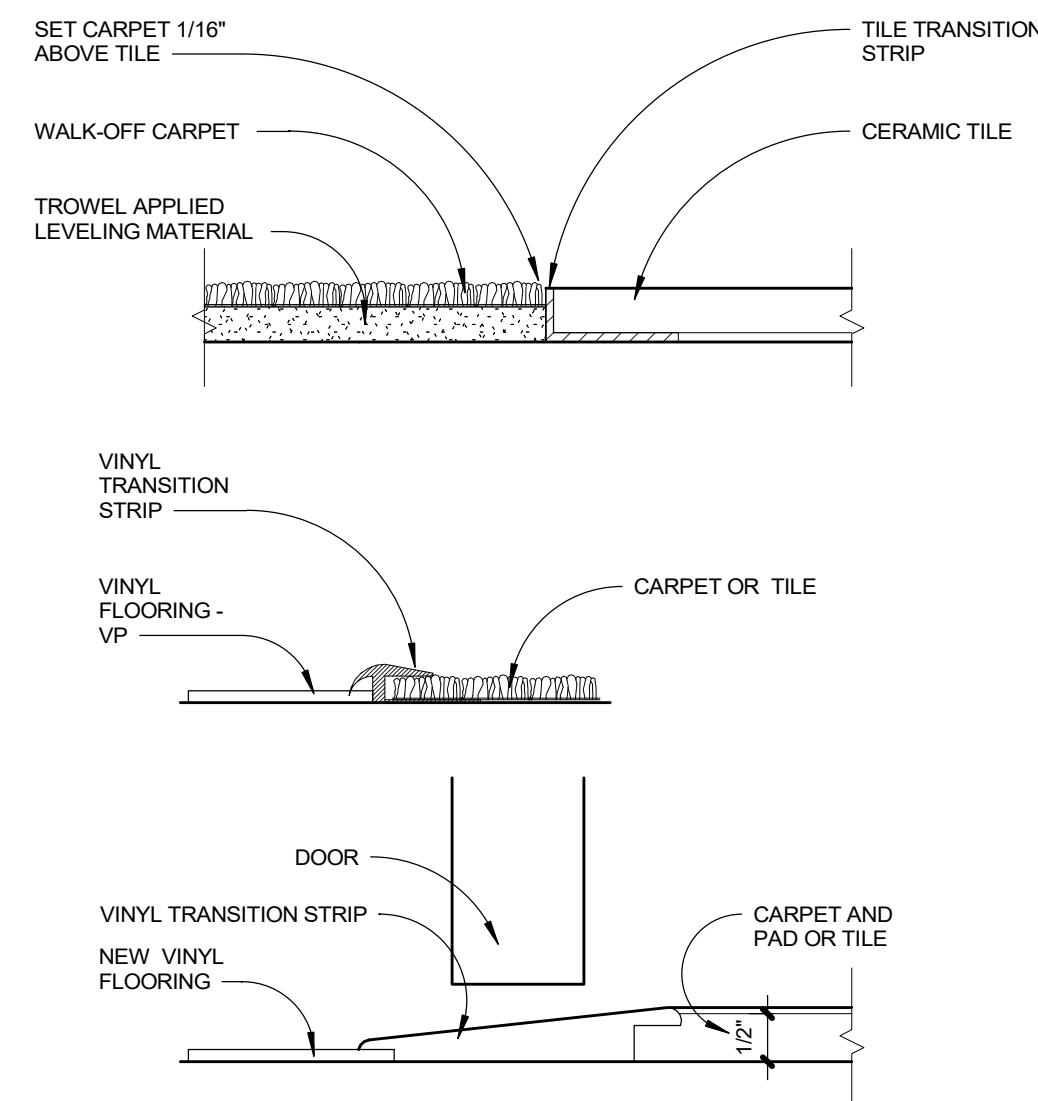
DETAIL @ DEMISING PARTITION
 SCALE: 1 1/2" = 1'-0"



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



DETAIL
 SCALE: 3" = 1'-0"



FLOOR TRANSITION DETAILS 1
SCALE: 6" = 1'-0" A6.2

UNIT FINISH SCHEDULE					
LEVEL	ROOM NAME	FLOOR	BASE	WALLS/CEILING	REMARKS (SEE UNIT FINISH NOTES)
GROUND FLOOR	BATHROOM	VP	RB	PT	
GROUND FLOOR	BEDROOM	CPT	VB	PT	UNIT 2BR TYPE 'B' ACCESSIBLE
GROUND FLOOR	BEDROOM	VP	VB	PT	UNIT 1 BR ACCESSIBLE
GROUND FLOOR	FURNACE	VP	VB	PT	
GROUND FLOOR	HALL	VP	VB	PT	
GROUND FLOOR	KITCHEN	VP	VB	PT	
GROUND FLOOR	LAUNDRY	VP	VB	PT	
GROUND FLOOR	LINEN	VP	VB	PT	
GROUND FLOOR	LIVING ROOM	VP	VB	PT	
GROUND FLOOR	PANTRY	VP	VB	PT	
GROUND FLOOR	STORAGE	VP	VB	PT	
UPPER FLOOR	BATHROOM	VP	RB	PT	
UPPER FLOOR	BEDROOM	CPT	VB	PT	
UPPER FLOOR	FURNACE	VP	VB	PT	
UPPER FLOOR	HALL	CPT	VB	PT	
UPPER FLOOR	KITCHEN	VP	VB	PT	
UPPER FLOOR	LAUNDRY	VP	VB	PT	
UPPER FLOOR	LIVING	VP	VB	PT	

CLOSED FLOORING TO MATCH ADJACENT ROOM.

COMMON AREA FINISH SCHEDULE					
LEVEL	ROOM NAME	FLOOR	BASE	WALLS/CEILING	REMARKS (SEE UNIT FINISH NOTES)
GROUND FLOOR	FRONT VESTIBULE	W/O CPT	VB	PT	
GROUND FLOOR	RAMP	W/O CPT	VB	PT	
GROUND FLOOR	REAR VEST.	W/O CPT	VB	PT	
GROUND FLOOR	STAIR ACCESS	VP	VB	PT	VST @ STAIR TREADS - CHAIR RAIL PER 8/A6.3
BASEMENT	2ND FLOOR APT. STORAGE	PT CONC.	VB	PT	
BASEMENT	MECHANICAL	PT CONC.	VB	PT	
BASEMENT	SPRINKLER RISER	PT CONC.	VB	PT	
BASEMENT	STAIR ACCESS	PT CONC.	VB	PT	VST @ STAIR TREADS - CHAIR RAIL PER 8/A6.3
BASEMENT	SUMP PUMP	PT CONC.	VB	PT	

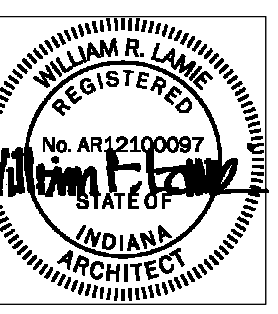
GENERAL FINISH NOTES

FINISH LEGEND:

- CPT CARPET
- CT CERAMIC TILE
- RB RESILIENT BASE
- PT PAINT
- VB VINYL BASE
- VP VINYL PLANK
- VST VINYL STAIR TREAD
- WD WOOD BASE (PAINT)
- W/O CPT WALK-OFF CARPET

1. SEE SPECIFICATIONS FOR SURFACE PREPARATION FOR EACH FINISH MATERIAL.
2. SEE SPECIFICATIONS FOR PAINT SYSTEMS REQUIRED AT VARYING CONDITIONS.
3. PAINT EXISTING ATTIC ACCESS DOORS. REFER TO PLANS AND/OR REFLECTED CEILING PLANS FOR LOCATIONS.
4. SEE SPECIFICATIONS FOR RESILIENT BASE MATERIAL.
5. PROVIDE TRANSITION STRIPS AT EACH CHANGE OF FLOORING MATERIAL PER THE DETAILS THIS SHEET AND THE SPECIFICATIONS
6. INSTALL FLOORING AND WALL BASE AT ALL CABINET TOE / KNEE SPACES, END PANELS, AND APPLIANCE RECESSES, UNLESS NOTED OTHERWISE. PAINT WALL SURFACES BEHIND KNEE SPACES AND APPLIANCE RECESSES.
7. SEE DETAIL 11/A6.3 FOR WOOD TRIM PROFILES.
8. AT HANDICAP DWELLING UNITS, INSTALL ADJUSTABLE SHELVING AS SHOWN ON DETAIL 7/A6.3.
9. FURNISH AND INSTALL ROOM SIGNAGE AS NOTED IN SPECIFICATIONS.
10. PRIOR TO FINISHING INSPECT WALLS AT MECHANICAL CLOSETS AND BEHIND CABINETS, REPAIR AND SEAL AS REQUIRED.
11. PROVIDE FIRE STOPPING ASSEMBLIES AT ALL CONDUIT, DUCT AND PIPING PENETRATIONS. SEE CODE COMPLIANCE PLAN FOR RATED WALL LOCATIONS.

ALLIANCE ARCHITECTS
929 Lincolnway East, Suite 200 | South Bend, Indiana 46601



South Bend Heritage



**TURNNOCK STREET QUADPLEX
SOUTH BEND HERITAGE**
712 TURNNOCK STREET
SOUTH BEND, INDIANA 46617

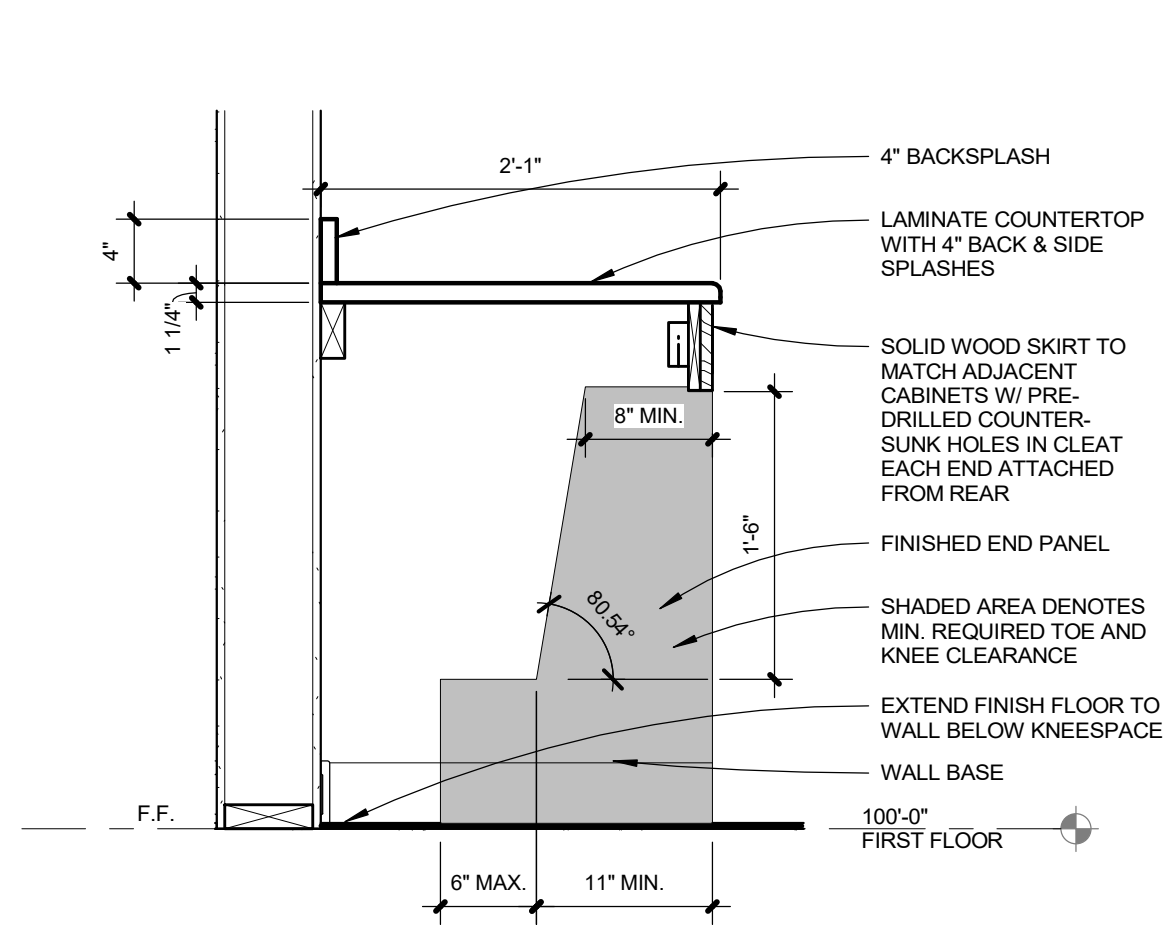
DATE:
03/07/2025

© 2025
ALLIANCE ARCHITECTS
ALL RIGHTS RESERVED

SHEET NO.

A6.2

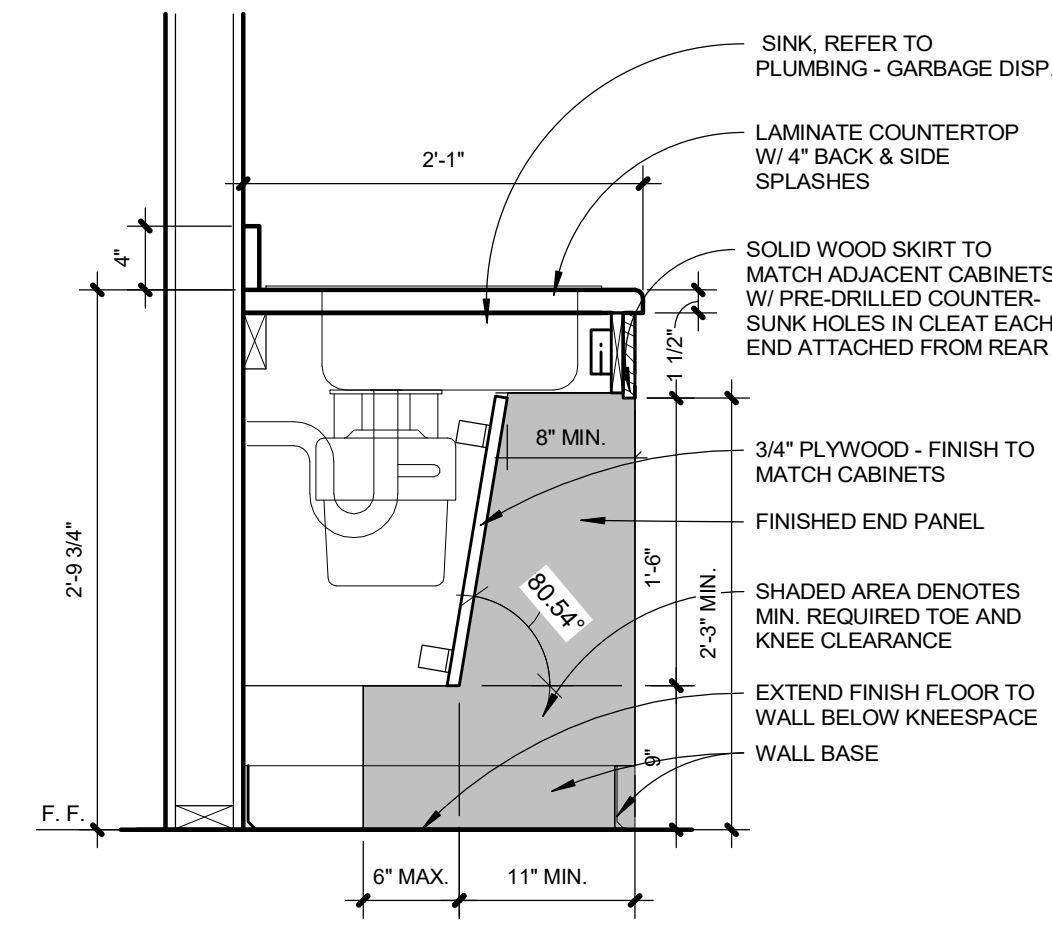
GENERAL INFORMATION



HC KITCHEN KNEESPACE

SCALE: 1" = 1'-0"

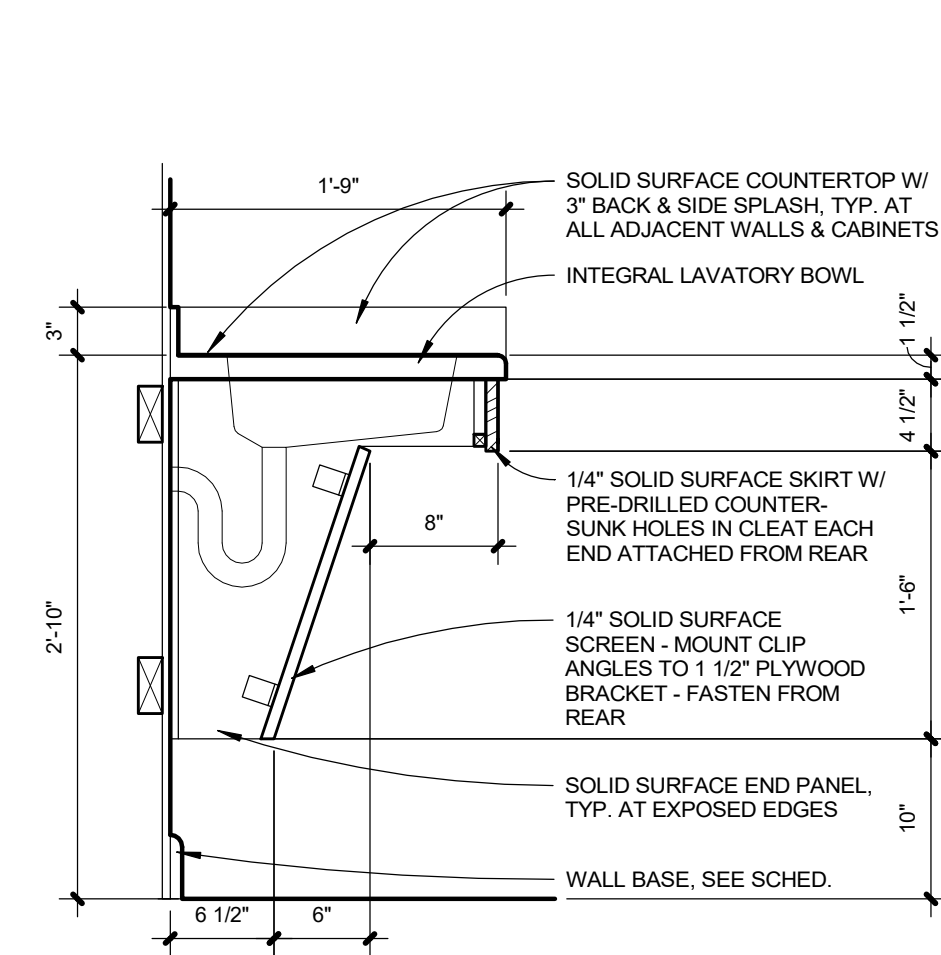
1
A6.3



HC KITCHEN SINK DETAIL

SCALE: 1" = 1'-0"

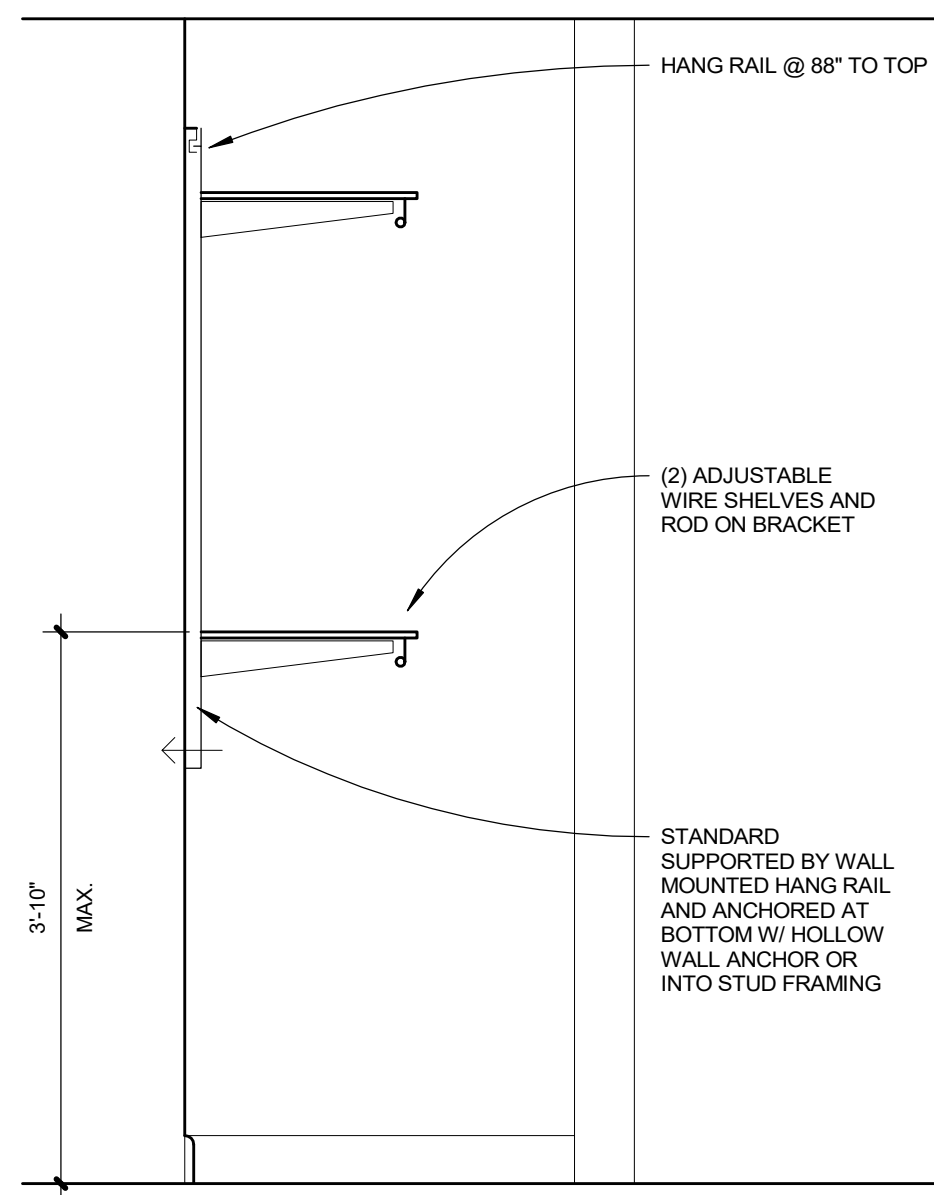
2
A6.3



HC LAVATORY/SINK DETAIL

SCALE: 1" = 1'-0"

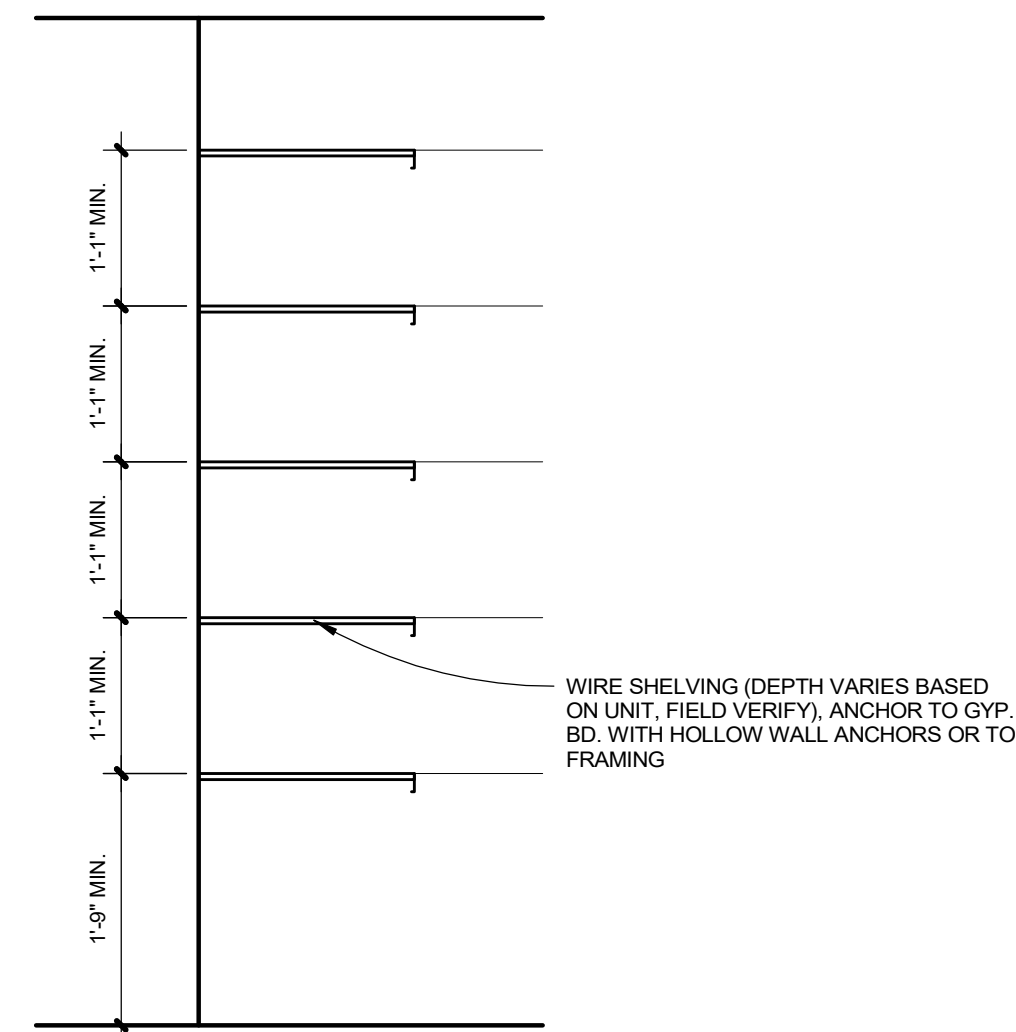
3
A6.3



CLOSET ADJUSTABLE SHELVING DETAIL

SCALE: 3/4" = 1'-0"

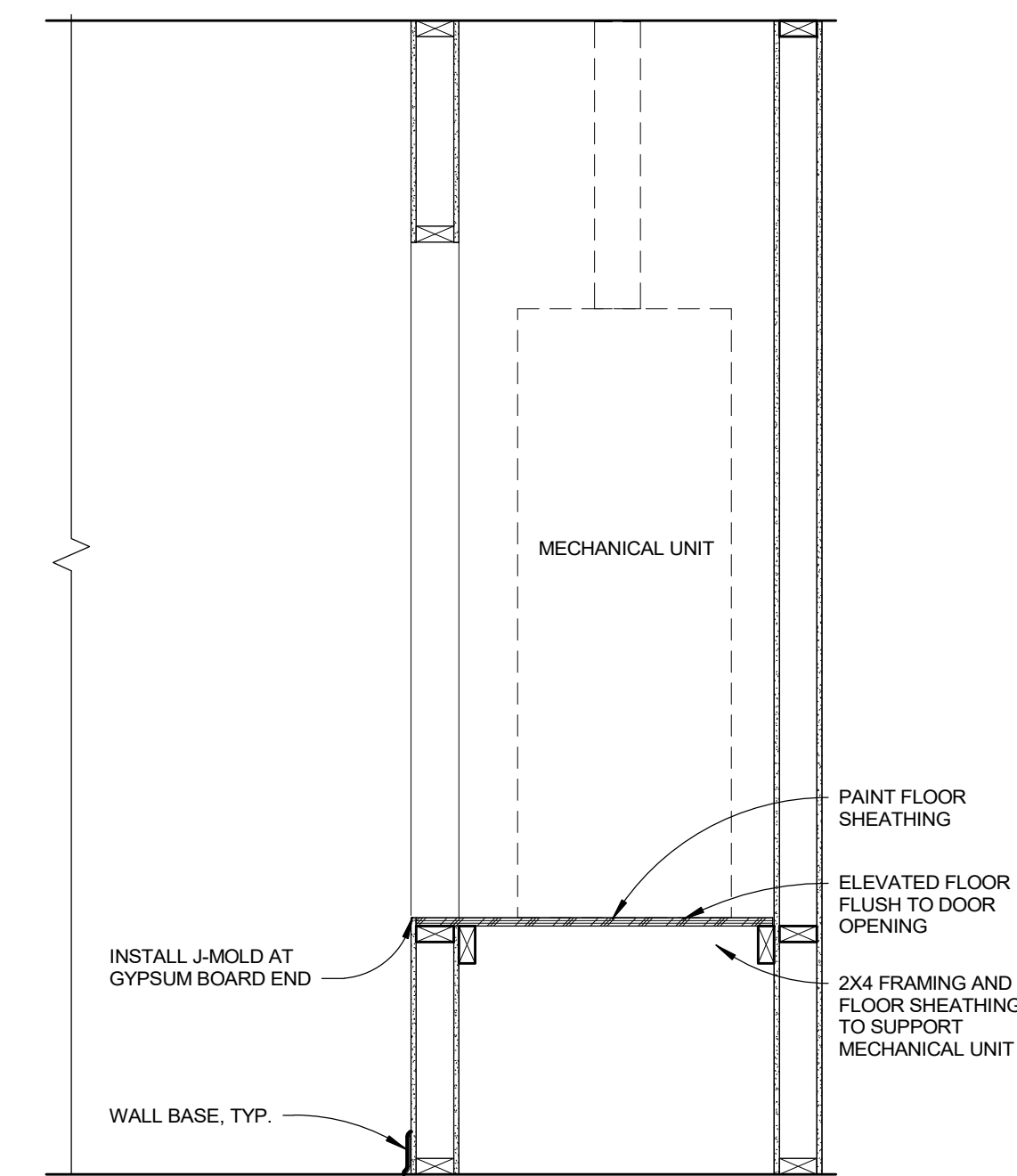
4
A6.3



LINEN SHELVING DETAIL

SCALE: 3/4" = 1'-0"

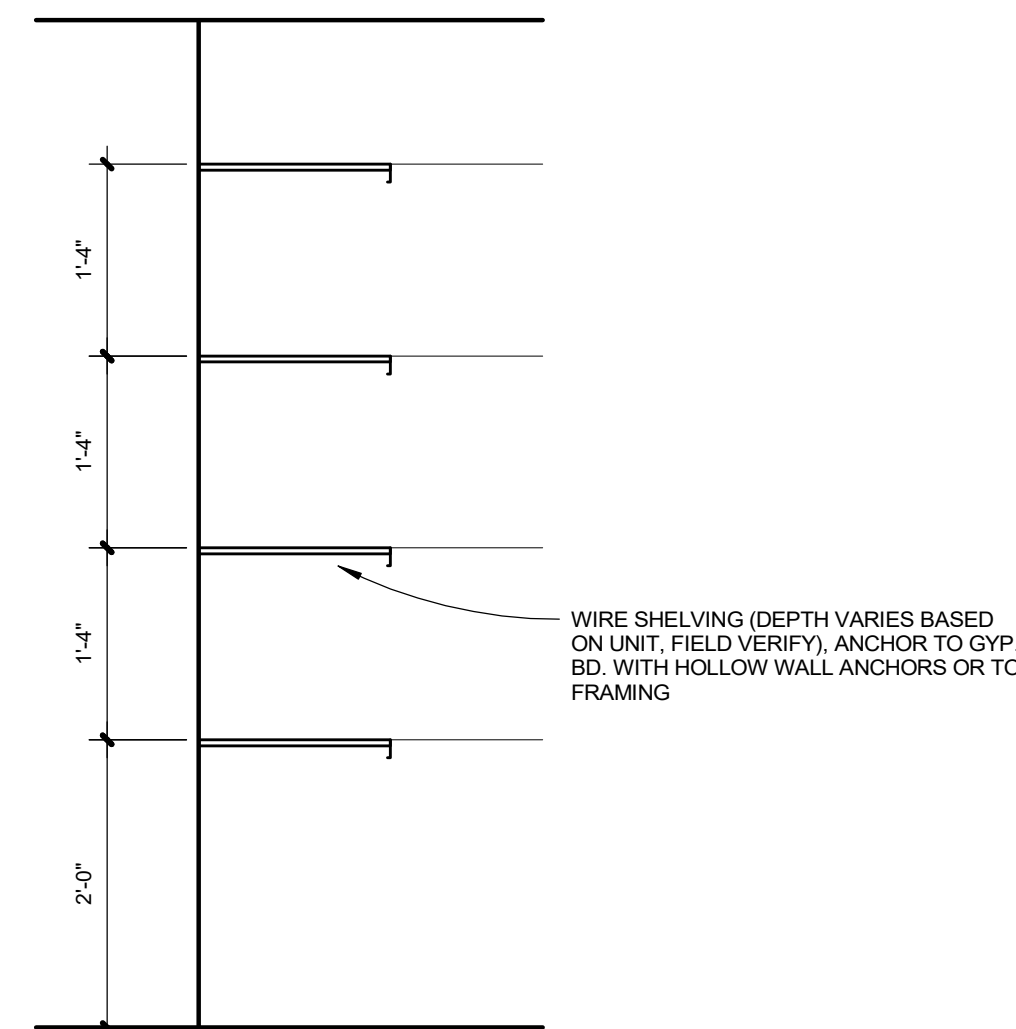
5
A6.3



ELEVATED FLOOR SECTION

SCALE: 3/4" = 1'-0"

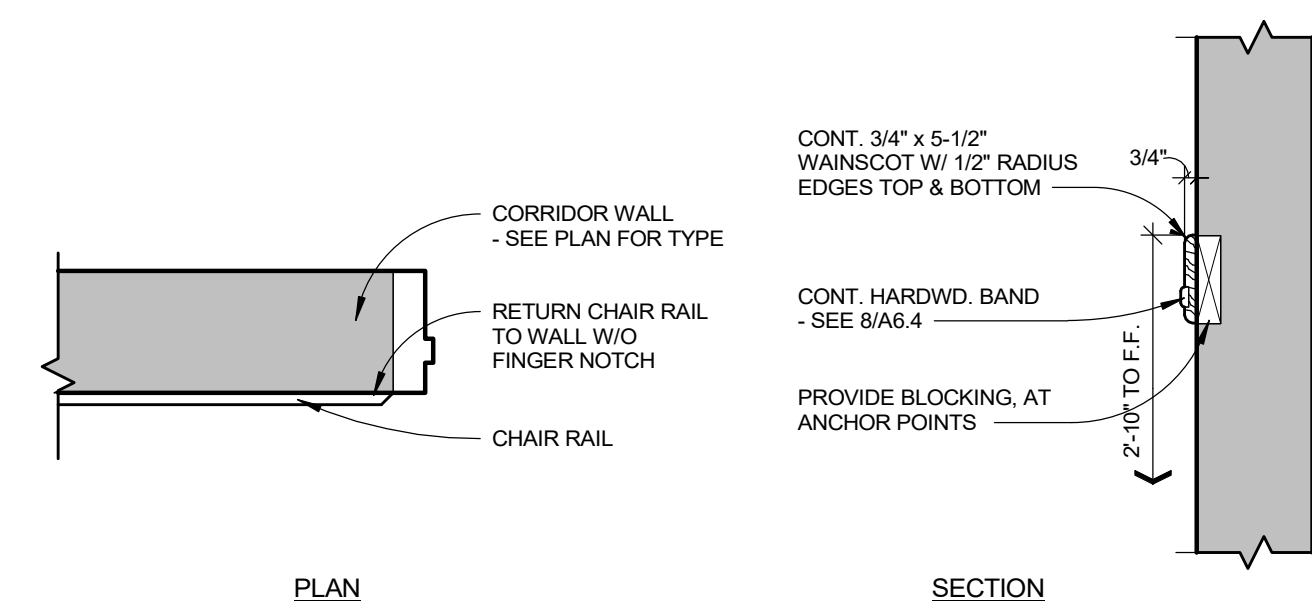
10
A6.3



PANTRY SHELVING DETAIL

SCALE: 3/4" = 1'-0"

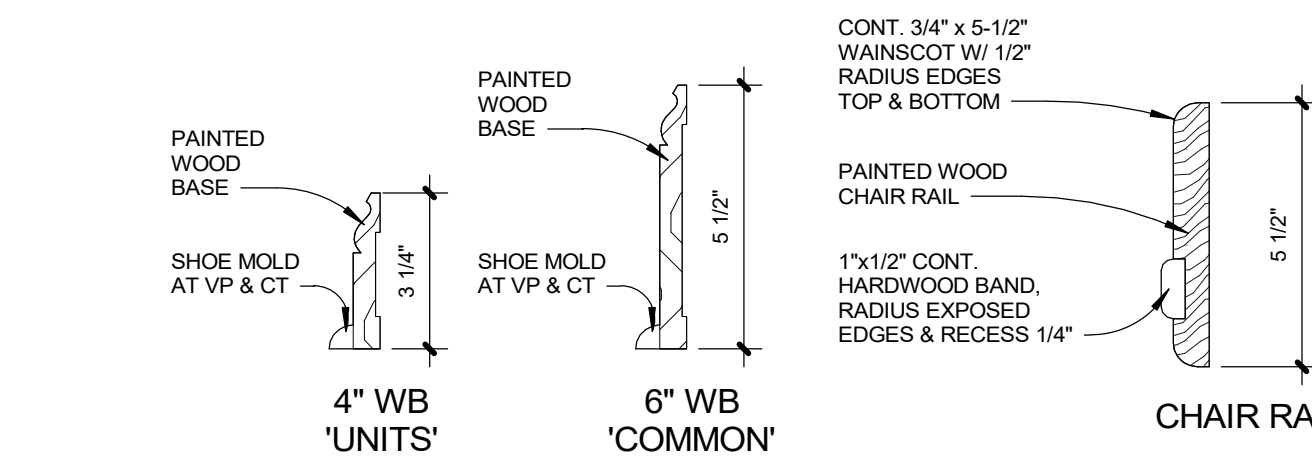
11
A6.3



CHAIR RAIL DETAIL

SCALE: 1" = 1'-0"

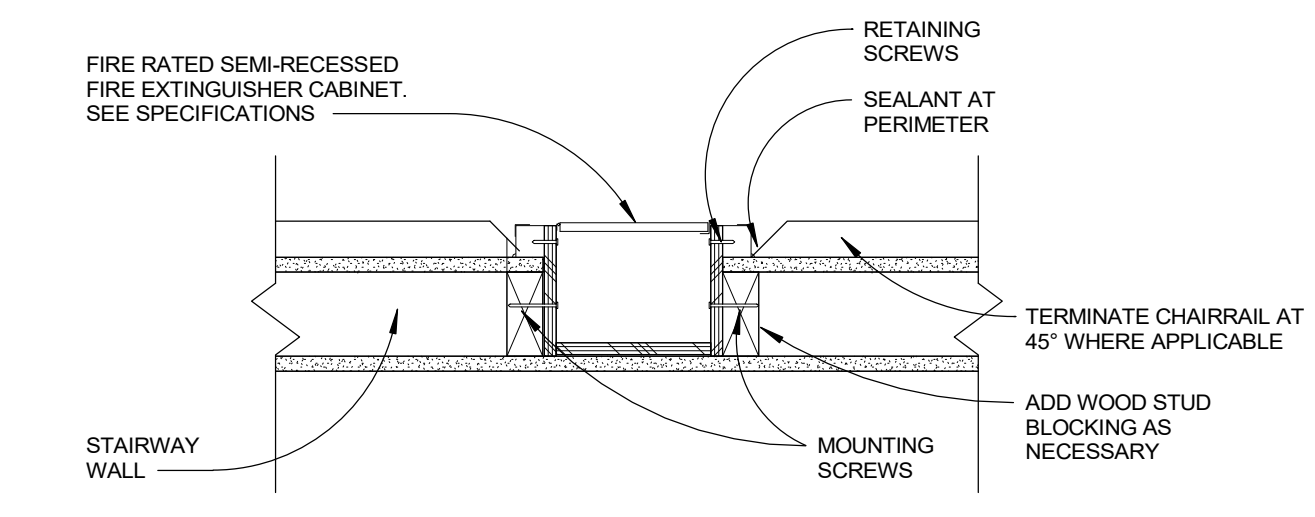
8
A6.3



WOOD TRIM PROFILES

SCALE: 3" = 1'-0"

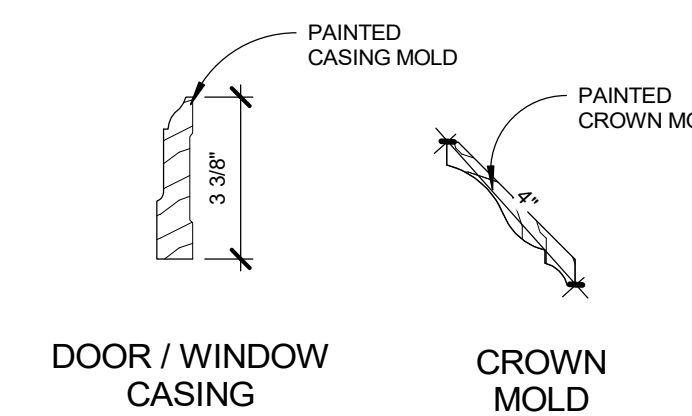
12
A6.3



FIRE EXTINGUISHER CABINET

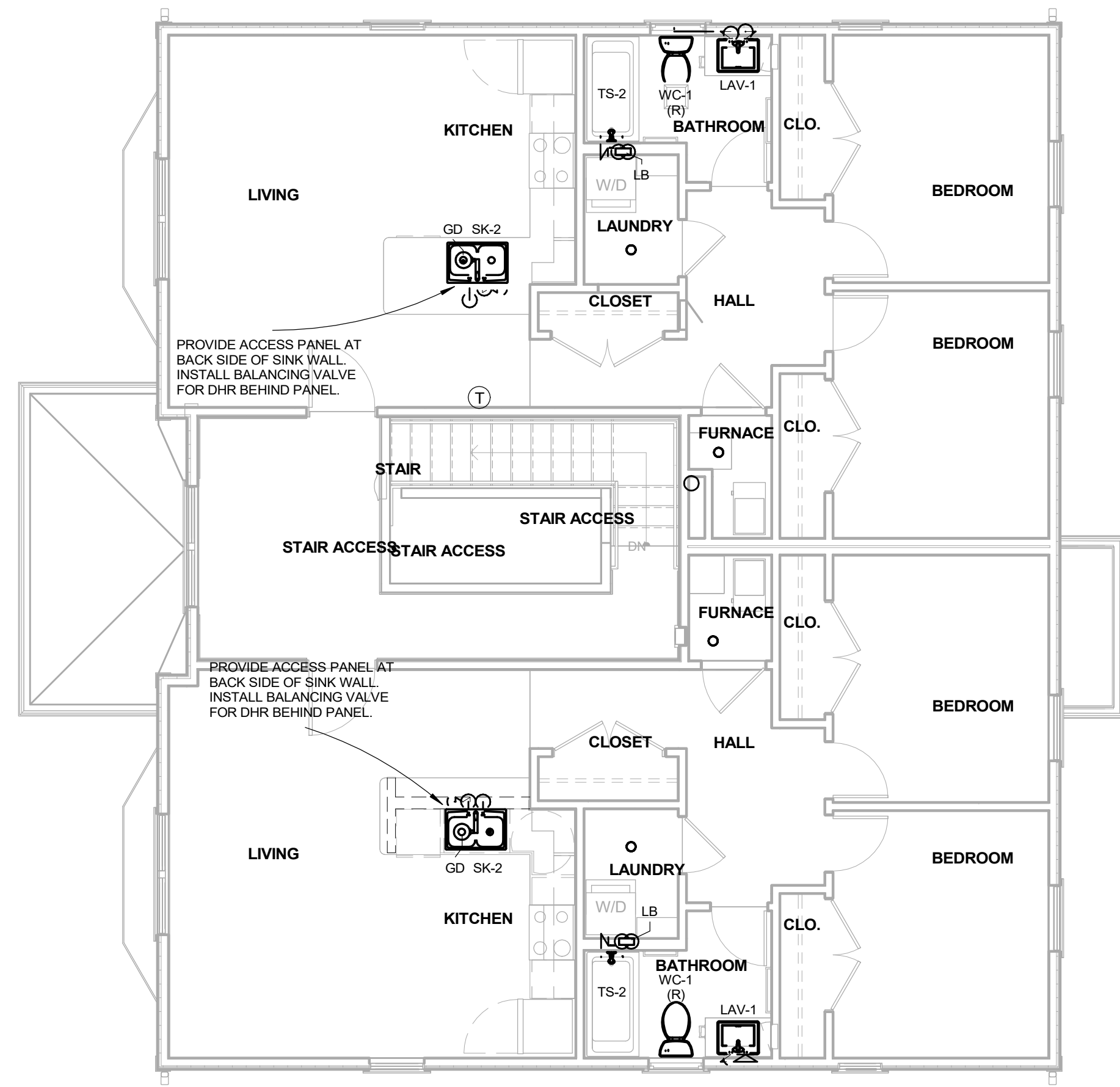
SCALE: 1 1/2" = 1'-0"

9
A6.3

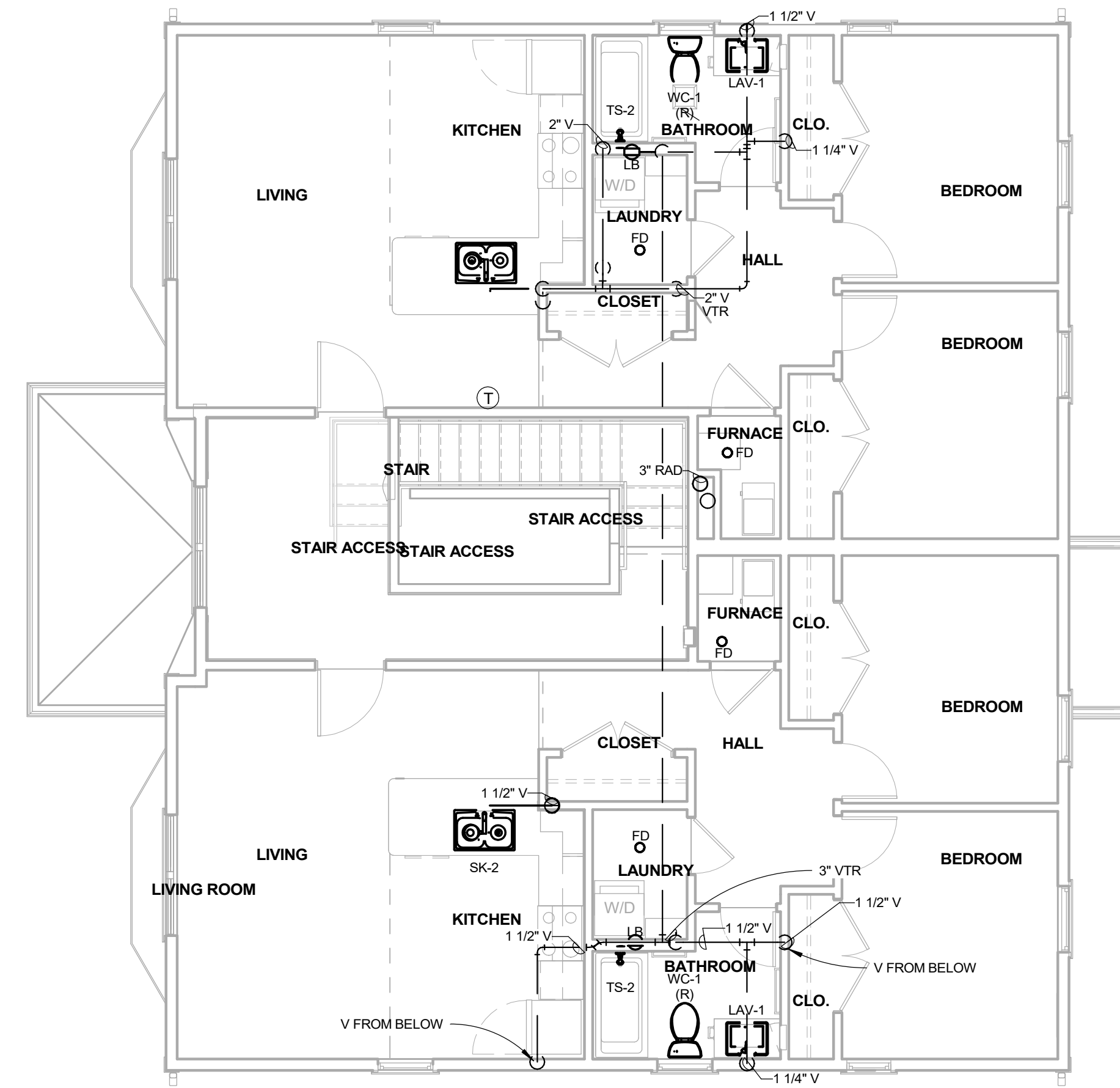


GENERAL INFORMATION

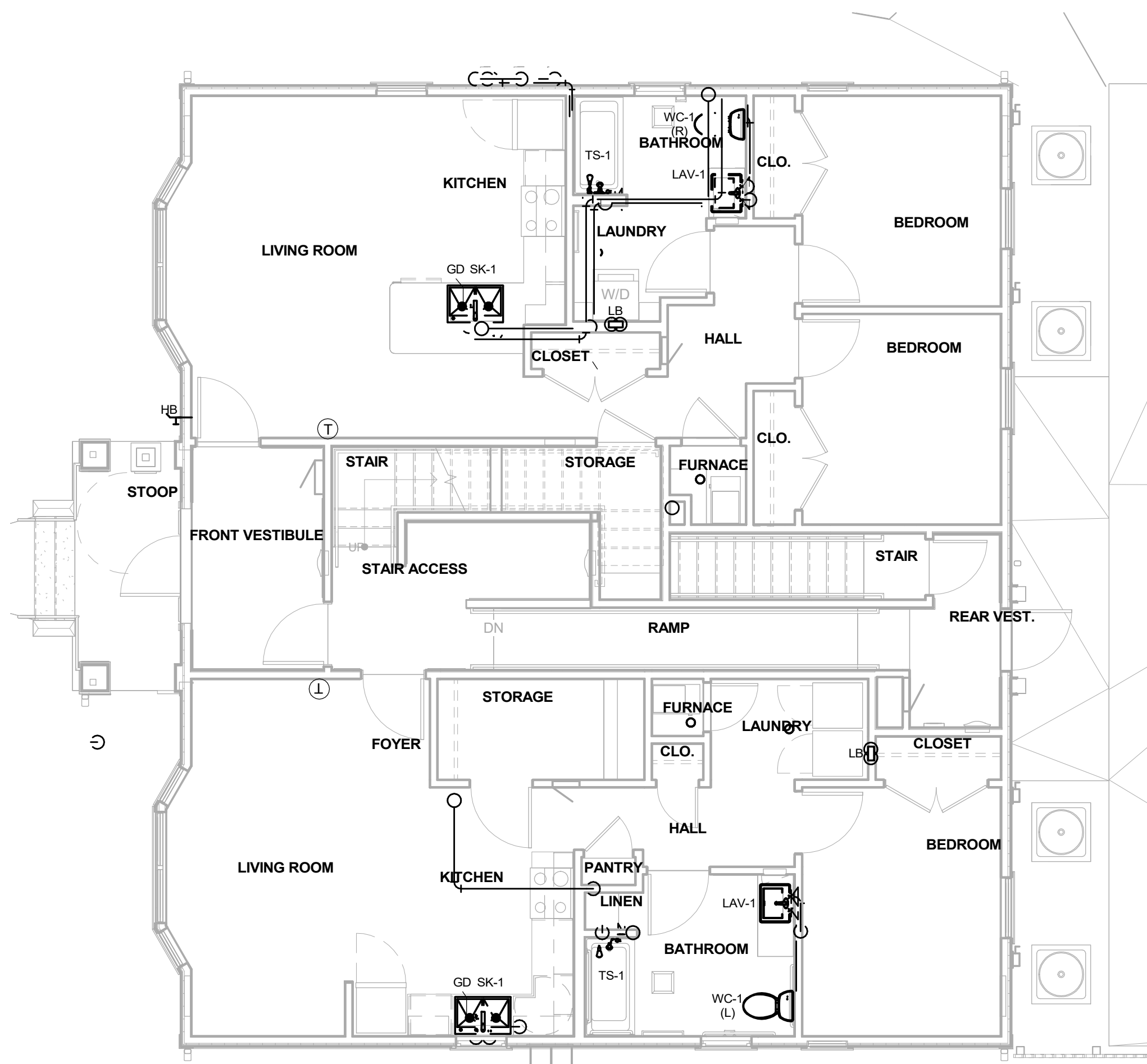
FILE PATH: C:\Users\ahhiker\Documents\Revit\2025\Turnock Street 4-plex_alliarch2\CH11.rvt
PLOT DATE: 2/27/2025 3:14:00 PM



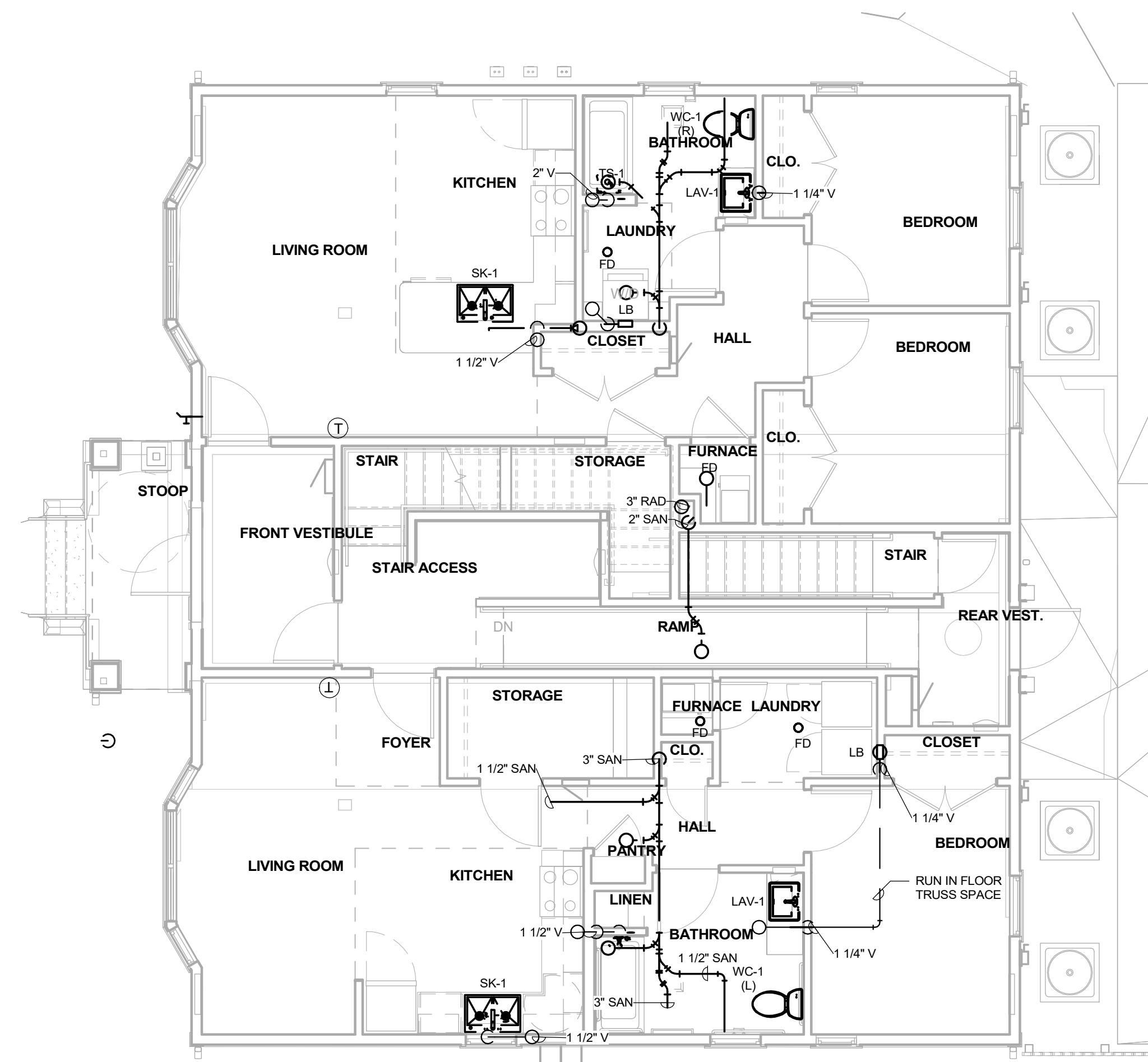
UPPER FLOOR SUPPLY PLAN
SCALE: 3/16" = 1'-0"



UPPER FLOOR SANITARY PLAN
SCALE: 3/16" = 1'-0"



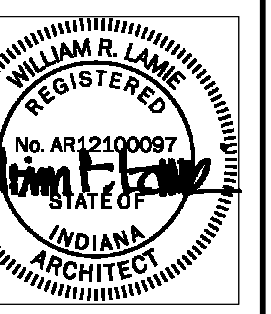
GROUND FLOOR SUPPLY PLAN
SCALE: 3/16" = 1'-0"

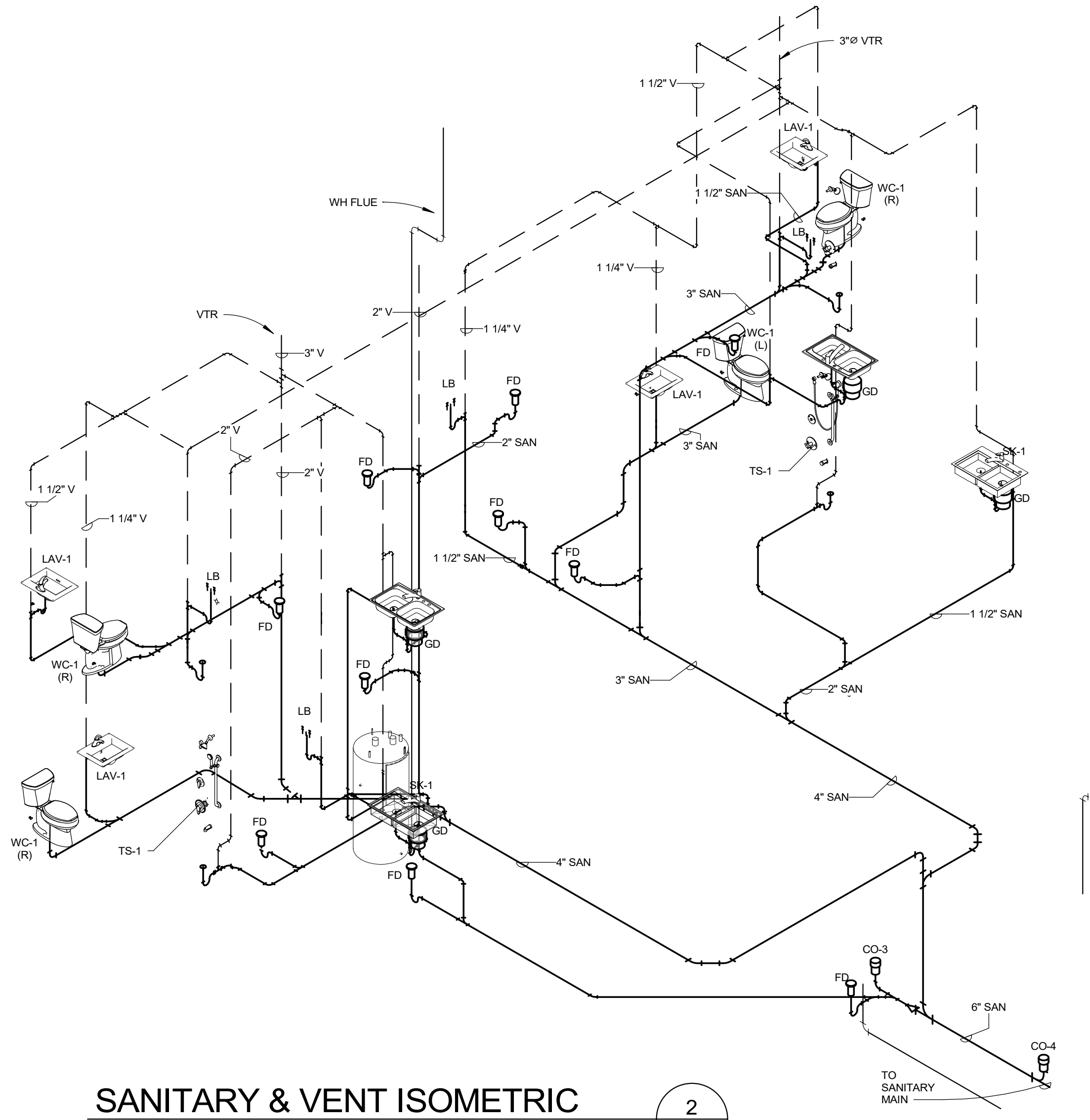


GROUND FLOOR SANITARY PLAN
SCALE: 3/16" = 1'-0"

QUADPLEX BUILDING

FILE PATH: C:\Users\ahh\OneDrive\Documents\Revit\2024\Turnock Street 4-plex_ahh\kier2\1011.rvt
PLOT DATE: 2/27/2025 3:14:40 PM

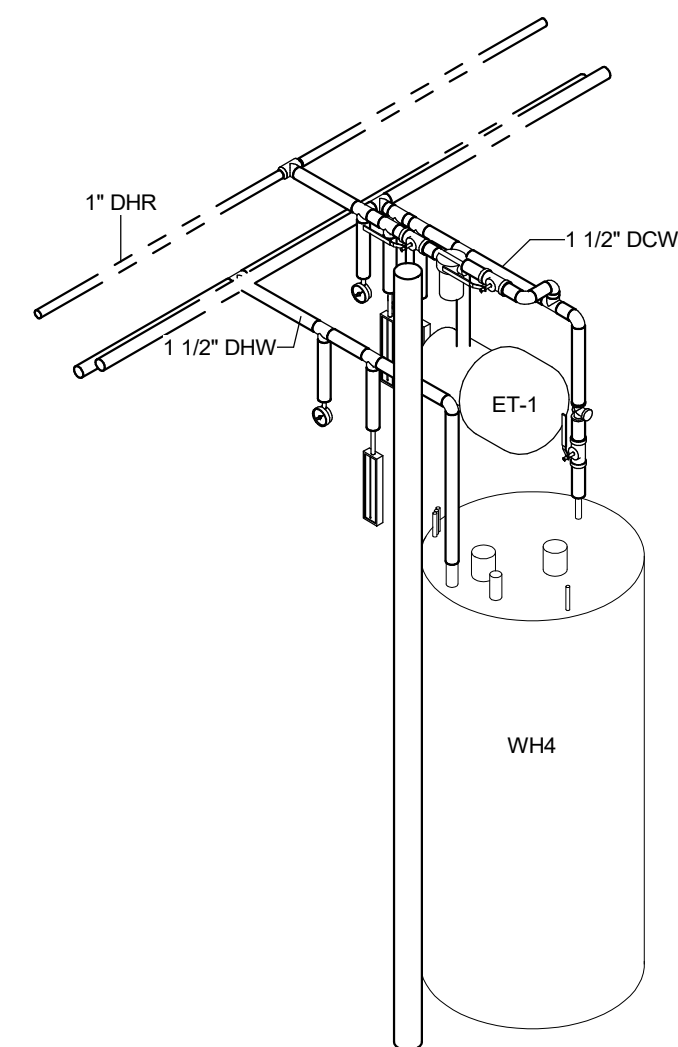




SANITARY & VENT ISOMETRIC

SCALE:

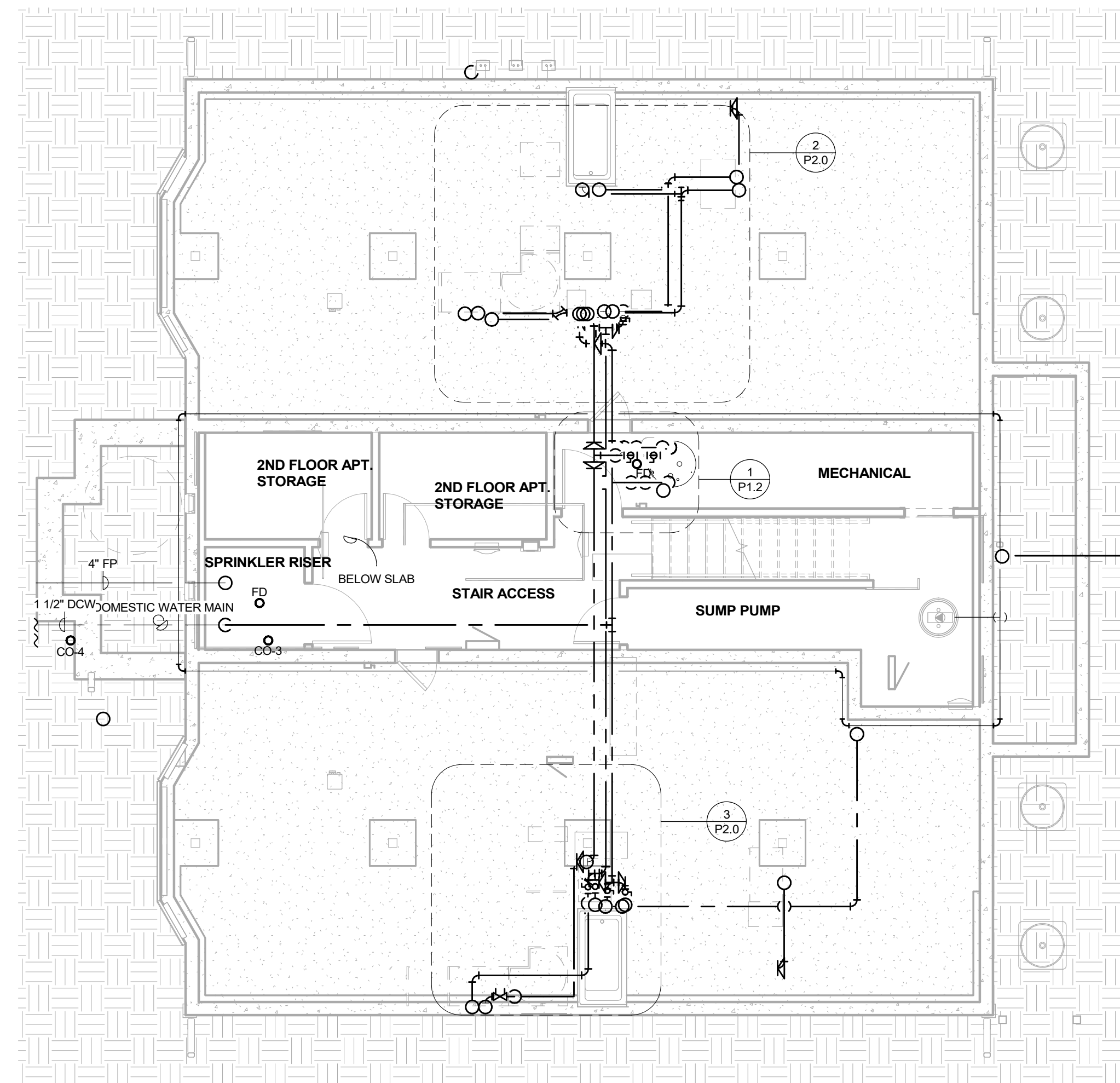
2
P1.2



WATER HEATER ISOMETRIC

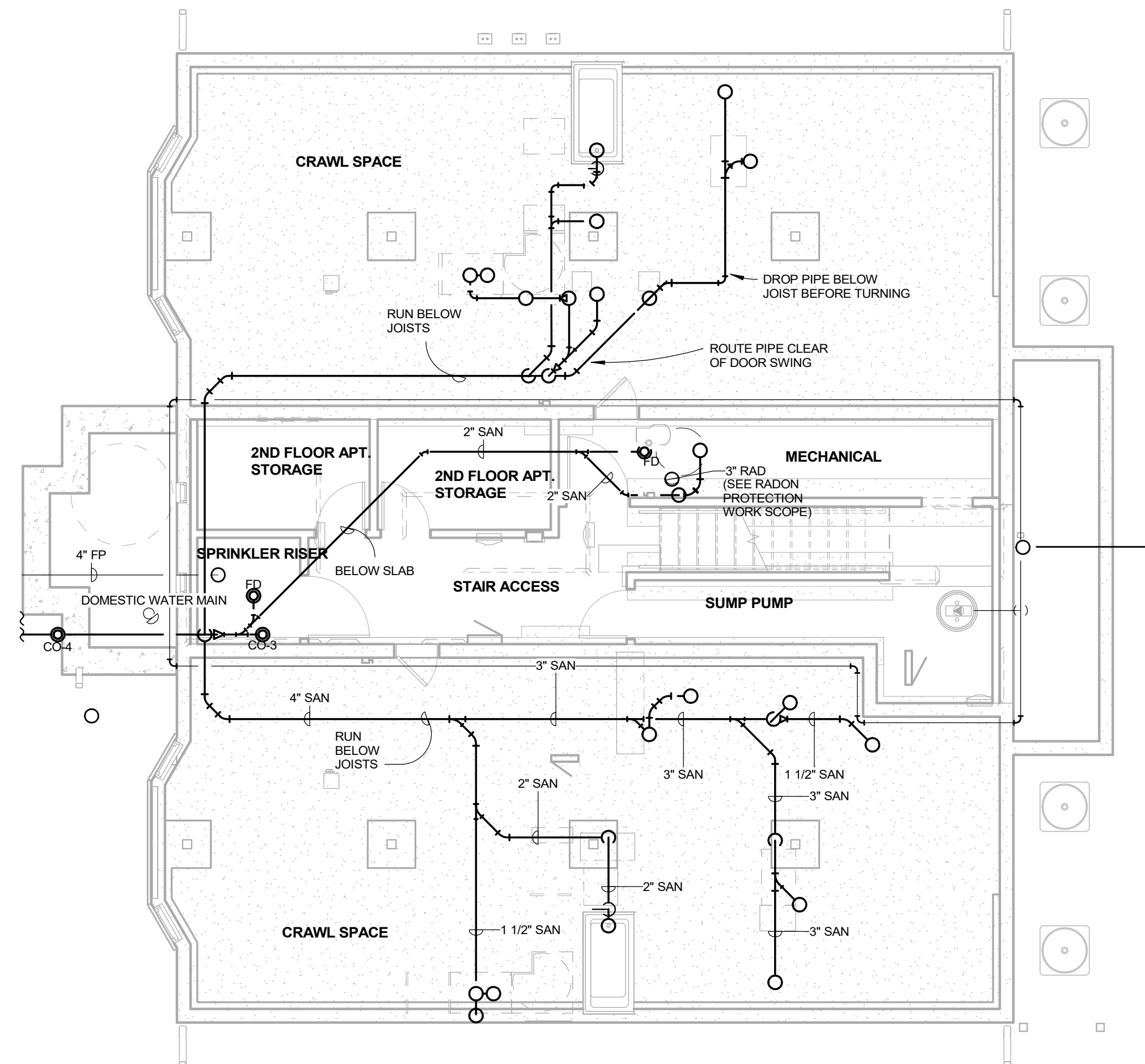
SCALE: N.T.S.

1
P1.2



BASEMENT SUPPLY PLAN

SCALE: 3/16" = 1'-0"



BASEMENT SANITARY PLAN

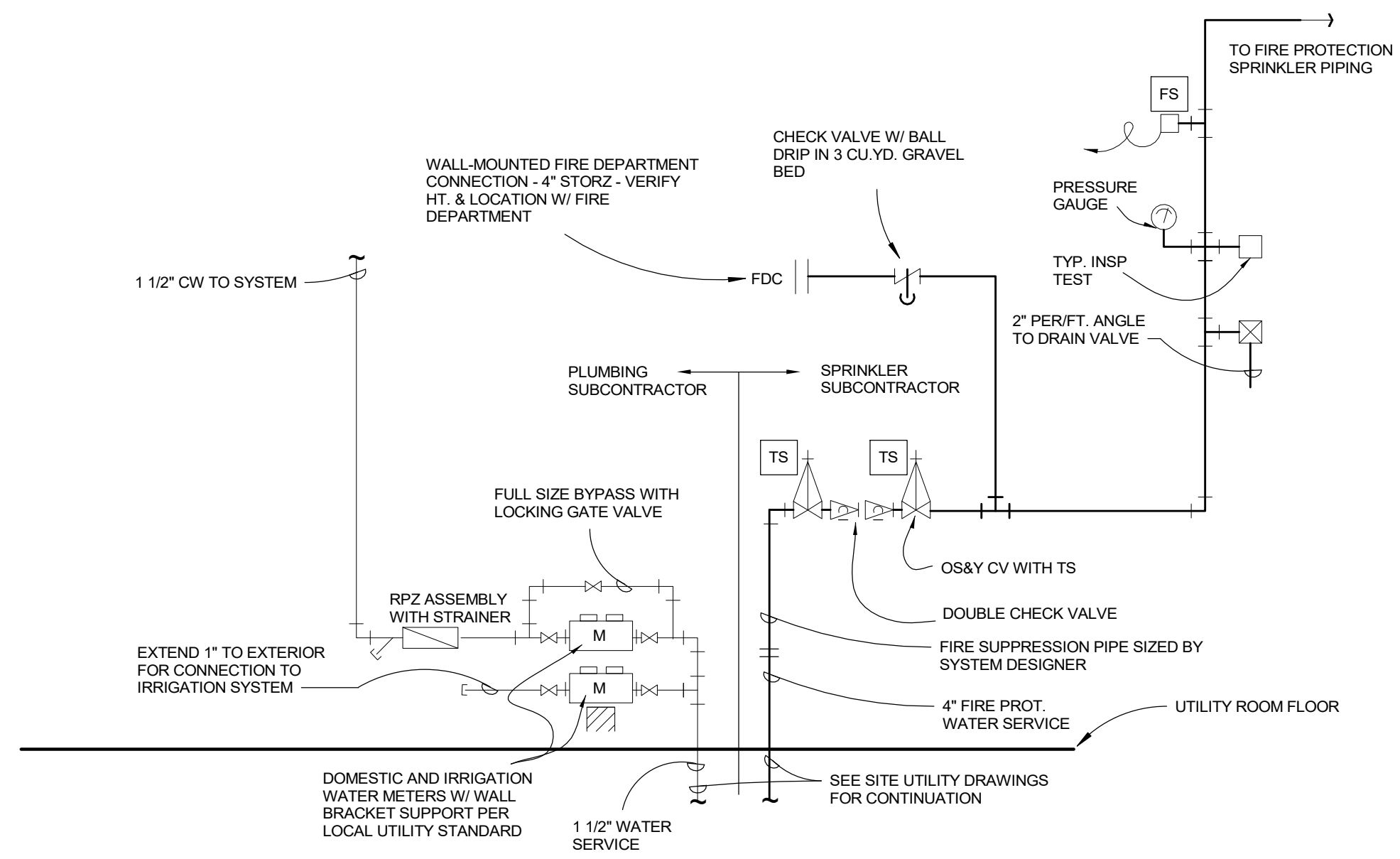
SCALE: 3/16" = 1'-0"

FIRE PROTECTION NOTES

- SEE SPECIFICATIONS FOR DETAILED REQUIREMENTS
- ALL WORK AND MATERIALS SHALL BE IN COMPLIANCE WITH STATE AND LOCAL CODE REQUIREMENTS. CONTRACTOR SHALL OBTAIN AND PAY FOR ALL PERMITS AND INSPECTION FEES AND STATE PLAN REVIEW FEES AS NECESSARY FOR CONSTRUCTION. PRIOR TO SUBMITTAL TO THE STATE, SUBMIT COMPLETE SYSTEM DRAWINGS SHOWING ALL CEILING SUPPORTED MECHANICAL AND ELECTRICAL ITEMS TO THE ARCHITECT FOR COMMENT. SUBMIT SPRINKLER HEAD PRODUCT INFORMATION FOR REVIEW AND APPROVAL.
- THE BUILDING SHALL BE PROTECTED WITH A WET PIPE FIRE PROTECTION SYSTEM IN ACCORDANCE WITH NFPA 13R. ALL FIRE PROTECTION SYSTEMS AND COMPONENTS SHALL BE IN COMPLIANCE WITH NFPA SECTIONS 13R, AS WELL AS LOCAL FIRE PREVENTION BUREAU STANDARDS. LOCATIONS OF DRAINS TO BE REMOTE LOCATED FROM THE RISER SHALL BE APPROVED BY THE ARCHITECT AND BE ACCESSIBLE WITHIN THE BUILDING.
- SPRINKLER HEADS IN GYPSUM BOARD CEILINGS TO BE VIKING CONCEALED PENDANT HEADS.
- FIRE PROTECTION SPRINKLER COVERAGE SHALL BE PROVIDED IN ALL SPACES WITHIN APARTMENT UNITS, INCLUDING RESTROOMS REGARDLESS OF SIZE.
- MAXIMUM SPRINKLER HEAD SPACING SHALL BE BASED ON SPACE HAZARD LEVEL AND NFPA 13 TABLES 8.8.2.1.2 AND 8.9.2.2.1
- CONTRACTOR SHALL PROVIDE HYDRAULIC CALCULATIONS FOR THE BUILDING SPRINKLER SYSTEM. THE CONTRACTOR IN COORDINATION WITH LOCAL AUTHORITIES SHALL FLOW TEST THE WATER SUPPLY SYSTEM TO ASCERTAIN ACTUAL STATIC, RESIDUAL AND FLOW PRESSURES AND QUANTITIES TO VERIFY EXISTING CONDITIONS. PRIOR TO ORDERING ANY EQUIPMENT OR SUBMITTING FINAL CALCULATIONS, RISER AND PIPE SIZING TO BE DETERMINED BY THE SPRINKLER SYSTEM DESIGNER BASED UPON THE WATER PRESSURE AVAILABLE AFTER THE BACKFLOW PREVENTION DEVICE AND VALVES. SPRINKLER SYSTEM DESIGNER TO SUBMIT DRAWINGS AND CALCULATIONS FOR STATE REVIEW.
- CONTRACTOR SHALL DO ALL NECESSARY CUTTING AND PATCHING, AS WELL AS ALL NECESSARY PIPE AND EQUIPMENT SUPPORTS.
- PRESSURE TEST ENTIRE SYSTEM AND REPAIR ANY LEAKS. CONTRACTOR TO BE RESPONSIBLE FOR ANY DAMAGE TO PROPERTY AND PERSONNEL CAUSED BY FAULTY INSTALLATION OR MATERIALS.
- THE SPRINKLER CONTRACTOR SHALL TEST THE DOUBLE CHECK VALVE ASSEMBLY AND REPORT PROPER FUNCTION TO THE ARCHITECT.
- THE SPRINKLER CONTRACTOR SHALL REFER TO ARCHITECTURAL PLANS AND MAKE ADJUSTMENTS TO NUMBER OF HEADS AND FINISHED CEILING MATERIAL TYPES AS NECESSARY TO ENSURE THAT HEADS ARE PROPERLY PLACED. HE SHALL ALSO COORDINATE HIS FINAL SHOP DRAWINGS WITH THE OTHER TRADES TO AVOID CONFLICT BETWEEN HIS PIPING AND THE PIPING, CONDUITS, AND DUCTWORK OF THE OTHER RESPECTIVE CONTRACTORS ON THIS PROJECT.
- THE SPRINKLER CONTRACTOR SHALL FIRE STOP ALL PENETRATIONS THROUGH RATED WALLS AND FLOORS.
- IT IS THE DESIGN INTENT THAT THE FIRE PROTECTION SYSTEM BE BY DELEGATED DESIGN. FIRE PROTECTION ITEMS SHOWN ARE BASED ON LIMITED SITE OBSERVATIONS. CONTRACTOR TO FULLY DESIGN SYSTEM AND SUBMIT ALL REQUIRED DRAWINGS AND HYDRAULIC CALCULATIONS FOR STATE AND LOCAL REVIEW.

FILE PATH: C:\Users\ahh\OneDrive\Documents\Revit\2024\Turnock Street 4 - plot_ahh\ahh\210111.rvt
PLOT DATE: 2/27/2025 3:14:44 PM





WATER RISER DIAGRAM

SCALE: N.T.S.

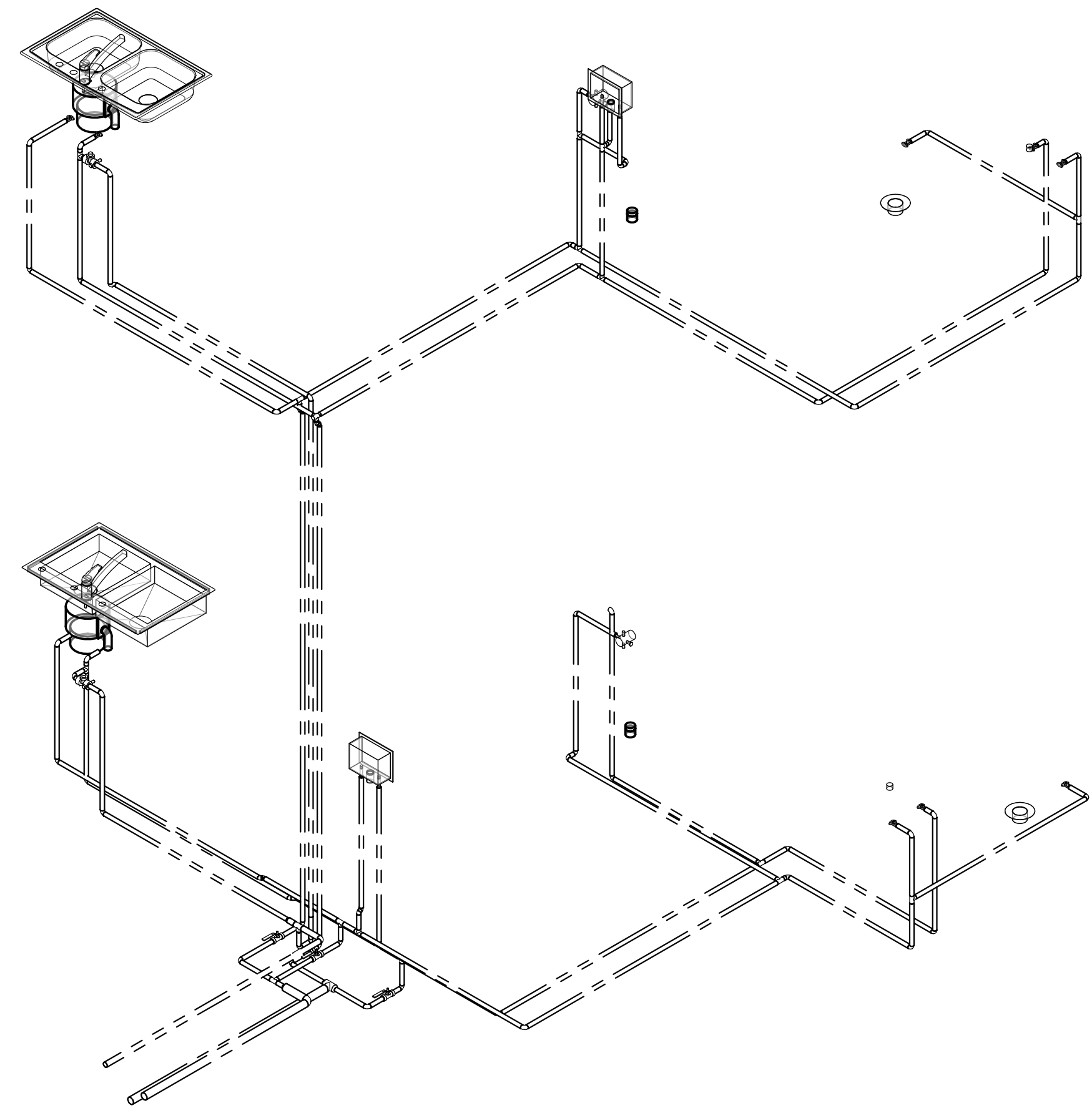
1
P2.0

PLUMBING FIXTURE SCHEDULE										
MARK	MAKE	MODEL	DESCRIPTION	FAUCET/FLUSH MODEL		PIPE SIZE			WATER SENSE	NOTES
				RATE		CW	HW	SAN		
FD	SIoux CHIEF	832	FLOOR DRAIN							
GD	SEE SPECS									
HB	WATTS	HY-725-B-3	WALL-MOUNTED YARD HYDRANT				3/4"		N/A	
LAV-1	INTEGRAL BOWL VANITY TOP			PROFLO PFWSC3017CP	0.5 GPM	1/2"	1/2"	1 1/2"	N/A	SEE CASEWORK SPEC FOR COUNTER
LB	IPS	W4700	LAUNDRY BOX				1/2"	1/2"	2"	N/A
SK-1	DAYTON	GE2321	STAINLESS STEEL DROP-IN KITCHEN SINK - OFFSET DRAIN	PROFLO PFXC4111CP	1.5 GPM	1/2"	1/2"	1 1/2"	N/A	INSTALL GARBAGE DISPOSAL
SK-2	PROFLO	PFSR332274	20 GA STAINLESS STEEL DROP-IN KITCHEN SINK	PROFLO PFXC4111CP	1.5 GPM	1/2"	1/2"	1 1/2"	N/A	INSTALL GARBAGE DISPOSAL
TS-1	BESTBATH	BTS6030A174R	TUB/SHOWER WITH HANDHELD SHOWER HEAD	MOEN T8343EP15 W/ 8373 HD VALVE	1.5 GPM	1/2"	1/2"	2"	YES	OFFSET COUNTERS TO OPEN SIDE. INCLUDE TOE TAP TUB DRAIN - SEE ELEVATIONS FOR GRAB BAR. PROVIDE SOAP DISH
TS-2	BESTBATH	BTS6030AFRLR	TUB/SHOWER WITH STD. TUB FILLER + SHOWER HEAD	MOEN T8389EP15 W/ 8373 HD VALVE	1.5 GPM	1/2"	1/2"	2"	YES	INCLUDE TWIST LOCK TUB DRAIN - PROVIDE SOAP DISH
WC-1 (L)	PROFLO	PFCT103HEWH	ADA HEIGHT WATER CLOSET			1/2"	1/2"	3"	YES	PROVIDE LEVER ON OPEN SIDE OF FIXTURE
WC-1 (R)	PROFLO	PFCT103HEWH	ADA HEIGHT WATER CLOSET			1/2"	1/2"	3"	YES	

PUMP SCHEDULE									
MARK	MAKE	MODEL	DESCRIPTION	FLUID FLOW		ELECTRICAL		NOTES	
				GPM	HEAD	VOLTAGE	POWER		
P-1	TACO	006E3LC	INLINE RECIRCULATING PUMP	11	13 FT	120 V	44 W	SYSTEM MODEL NUMBERS PE-1	
P-2	ZOELLER	WM49	SUMP PUMP	12	12 FT	120 V	480 W	PROVIDE FLOAT SWITCH, 1-1/2" OUTLET	

WATER HEATER SCHEDULE								
MARK	MAKE	MODEL	DESCRIPTION	VOLUME	HEATING		VOLTAGE	NOTES
					CAPACITY	EFFICIENCY		
WH4								

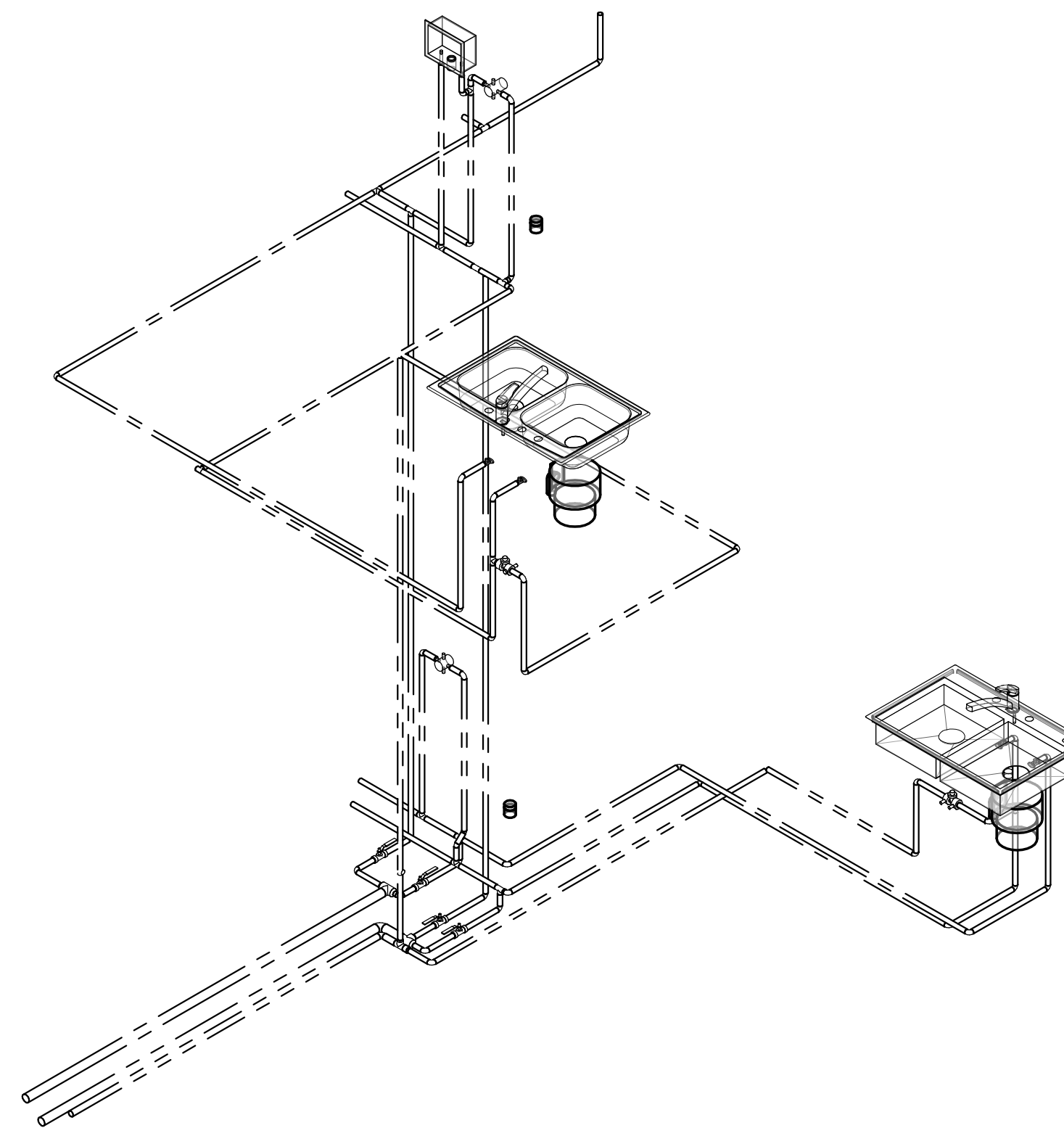
PIPE MATERIAL SCHEDULE			
MARK	DESCRIPTION	MATERIAL	INSULATION
DCW	DOMESTIC COLD WATER	COPPER TUBE WITH SOLDER OR PRESS FITTINGS; PEX TUBE WITH CRIMP RING OR COLD EXPANSION FITTINGS	3/4" ELASTOMERIC OR FIBERGLASS
DHW	DOMESTIC HOT WATER		
DHR	DOMESTIC HOT WATER RETURN		
SAN	SANITARY DRAIN	PVC PIPE WITH SOLVENT JOINT FITTINGS; CAST IRON PIPE WITH NO-HUB FITTINGS	NONE
V	SANITARY VENT		
CON	CONDENSATE DRAIN	PVC PIPE WITH SOLVENT JOINT FITTINGS OR COPPER TUBE WITH SOLDER OR PRESS FITTINGS	NONE
GAS	GAS PIPE, ABOVE GROUND	BLACK STEEL PIPE WITH SCREW OR PRESS FITTINGS	NONE



SUPPLY ISOMETRIC NORTH

SCALE: N.T.S.

2
P2.0



SUPPLY ISOMETRIC SOUTH

SCALE: N.T.S.

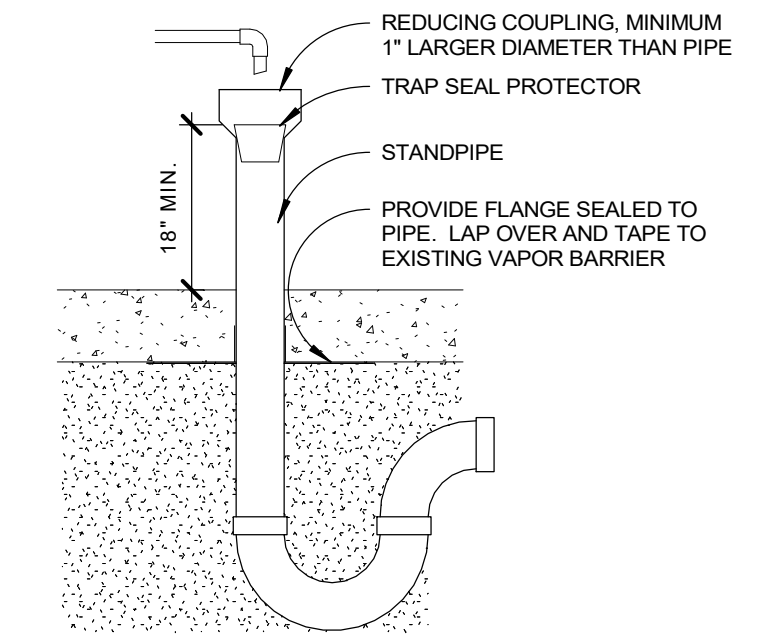
3
P2.0

PLUMBING NOTES

- ALL WORK SHALL BE IN ACCORDANCE WITH THE APPLICABLE NATIONAL, STATE, AND LOCAL CODES AT THE TIME OF BIDDING, INCLUDING BUT NOT LIMITED TO THOSE NOTED ON THE COVER SHEET.
- DRAWINGS ARE DIAGRAMMATIC. FIELD VERIFY ALL EXISTING CONDITIONS AND COORDINATE LOCATIONS WITH OTHER TRADES.
- SUBSTITUTIONS FOR BRAND OR MODEL OF FIXTURES/EQUIPMENT ARE NOT PERMITTED IN THE BASE BID UNLESS OTHERWISE STATED OR APPROVED IN WRITING BY THE ARCHITECT/ENGINEER. SUBSTITUTIONS MAY BE SUBMITTED WITH WRITTEN EXPLANATION AS VOLUNTARY ALTERNATES. SEE SPECIFICATIONS.
- SCHEDULED FIXTURES/EQUIPMENT REFLECTS THE BASIS-OF-DESIGN FOR THIS PROJECT'S DESIGN INTENT. IT REMAINS THE CONTRACTOR'S RESPONSIBILITY TO CONFIRM AND COORDINATE THE SPECIFIC PARAMETERS OF IDENTIFIED ITEMS WITH THE OTHER IDENTIFIED COMPONENTS WITHIN THE CONTRACT DOCUMENTS. IT IS THE DESIGN INTENT THAT THE EQUIPMENT SELECTED SHALL BE INSTALLED TO ESTABLISH FULLY OPERATIONAL MECHANICAL, PLUMBING, AND ELECTRICAL SYSTEMS.
- ALL FIXTURES, PIPING, VENTING, ETC. SHALL BE IN STRICT CONFORMANCE WITH THE MANUFACTURER'S PRINTED RECOMMENDATIONS/INSTRUCTIONS. NOTIFY ARCHITECT/ENGINEER OF ANY CONFLICT BETWEEN CODE REQUIREMENTS AND DRAWINGS AND/OR MANUFACTURER'S REQUIREMENTS.
- THE FLOOR PLANS DO NOT SHOW ALL VALVES, FITTINGS, APPURTENANCES, ACCESS PANELS, ELEVATION CHANGES, AND VARIOUS OTHER ITEMS. THESE ITEMS SHALL BE PROVIDED WITHOUT ADDITIONAL COST FOR A COMPLETE AND OPERATING SYSTEM.
- COORDINATE ROUTING OF PIPING, DUCTWORK, ETC. PRIOR TO STARTING INSTALLATION. MECHANICAL AND ELECTRICAL TRADES SHALL REVIEW AVAILABLE SPACE AND COORDINATE ALL SYSTEM ROUTING PRIOR TO INSTALLATION. FIELD VERIFY ALL FRAMING, CEILING HEIGHTS, ETC. BEFORE ORDERING OR FABRICATING SYSTEMS.
- SEE SPECIFICATIONS FOR PIPING MATERIAL REQUIREMENTS.
- SEAL ALL PENETRATIONS THRU INTERIOR AND/OR EXTERIOR WALLS AND THROUGH CEILINGS AND/OR ROOFS. SEE DETAILS SHEET A6.1.

PIPING LEGEND

- MANUAL VALVE, BALL VALVE U.N.O.
- CHECK VALVE, SWING CHECK U.N.O.
- PIPE BREAK, PIPE CONTINUES AS INDICATED
- PUMP, SEE PUMP SCHEDULE AND/OR SPECIFICATIONS
- PIPE FLOW INDICATOR
- DCW: DOMESTIC COLD WATER
- DHW: DOMESTIC HOT WATER
- DHR: DOMESTIC HOT WATER RETURN
- SAN: SANITARY DRAIN
- V: SANITARY VENT
- GAS: NATURAL GAS PIPE
- RAD: RADON SOIL DEPRESSURIZATION VENT



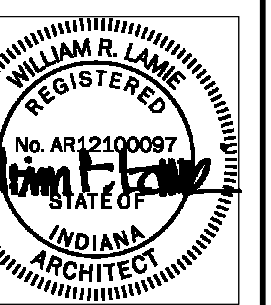
STANDPIPE DETAIL

RADON PROTECTION WORK SCOPE

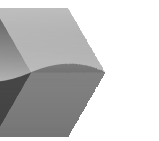
- ALL CONCRETE SLABS THAT COME IN CONTACT WITH THE GROUND SHALL BE LAID OVER A GAS PERMEABLE MATERIAL MADE UP OF EITHER A MINIMUM 4" THICK UNIFORM LAYER OF CLEAN AGGREGATE, OR A MINIMUM 4" THICK UNIFORM LAYER OF SAND, OVERLAIN BY A LAYER OR STRIPS OF MANUFACTURED MATTING DESIGNED TO ALLOW THE LATERAL FLOW OF SOIL GASES.
- INSTALL GRANULAR MATERIAL BELOW NEW CONCRETE FLOOR SLABS WITH COLLECTION PITS AND VENT PIPING AS SHOWN ON THE PLUMBING DRAWINGS. PROVIDE TEE FITTING BELOW SLAB.
- EXTEND 4" Ø VENT STACK FROM UNDERSLAB PIPING TO 12" ABOVE THE ROOF. PROVIDE 120V, 20A CIRCUIT TO JUNCTION BOX IN THE ATTIC FOR INLINE FAN. SEE ATTIC ELECTRICAL PLAN ON SHEET E1.2.
- LABEL VENT PIPING WITH TEXT INDICATING THAT THE ITEM IS PART OF THE RADON MITIGATION SYSTEM. LABEL DEDICATED CIRCUIT AS PART OF THE RADON MITIGATION SYSTEM.
- INSTALL COMPLETE VAPOR BARRIER BELOW CONCRETE SLABS PER THE SECTIONS AND SPECIFICATIONS. SEAL MEMBRANE TO ALL PENETRATING ITEMS.
- PROVIDE THIRD PARTY TEST OF RADON LEVELS AT THE 9 MONTH WARRANTY REVIEW.

ALLIANCE
ARCHITECTS

929 Lincolnway East, Suite 200 | South Bend, Indiana 46601



South Bend
Heritage



TURNNOCK STREET QUADPLEX
SOUTH BEND HERITAGE
712 TURNNOCK STREET
SOUTH BEND, INDIANA 46617

DATE:
03/07/2025

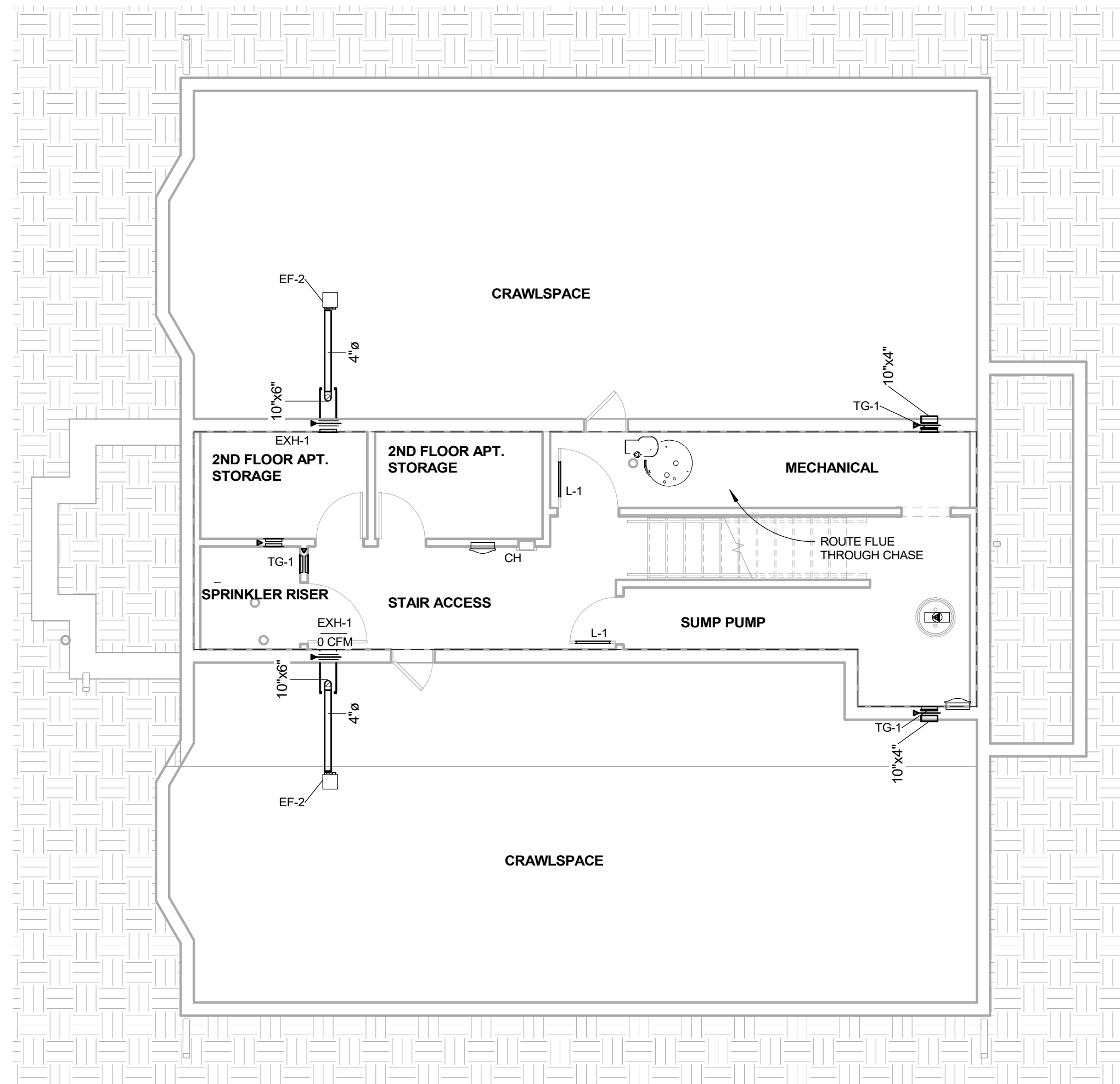
© 2025
ALLIANCE ARCHITECTS
ALL RIGHTS RESERVED

SHEET NO.

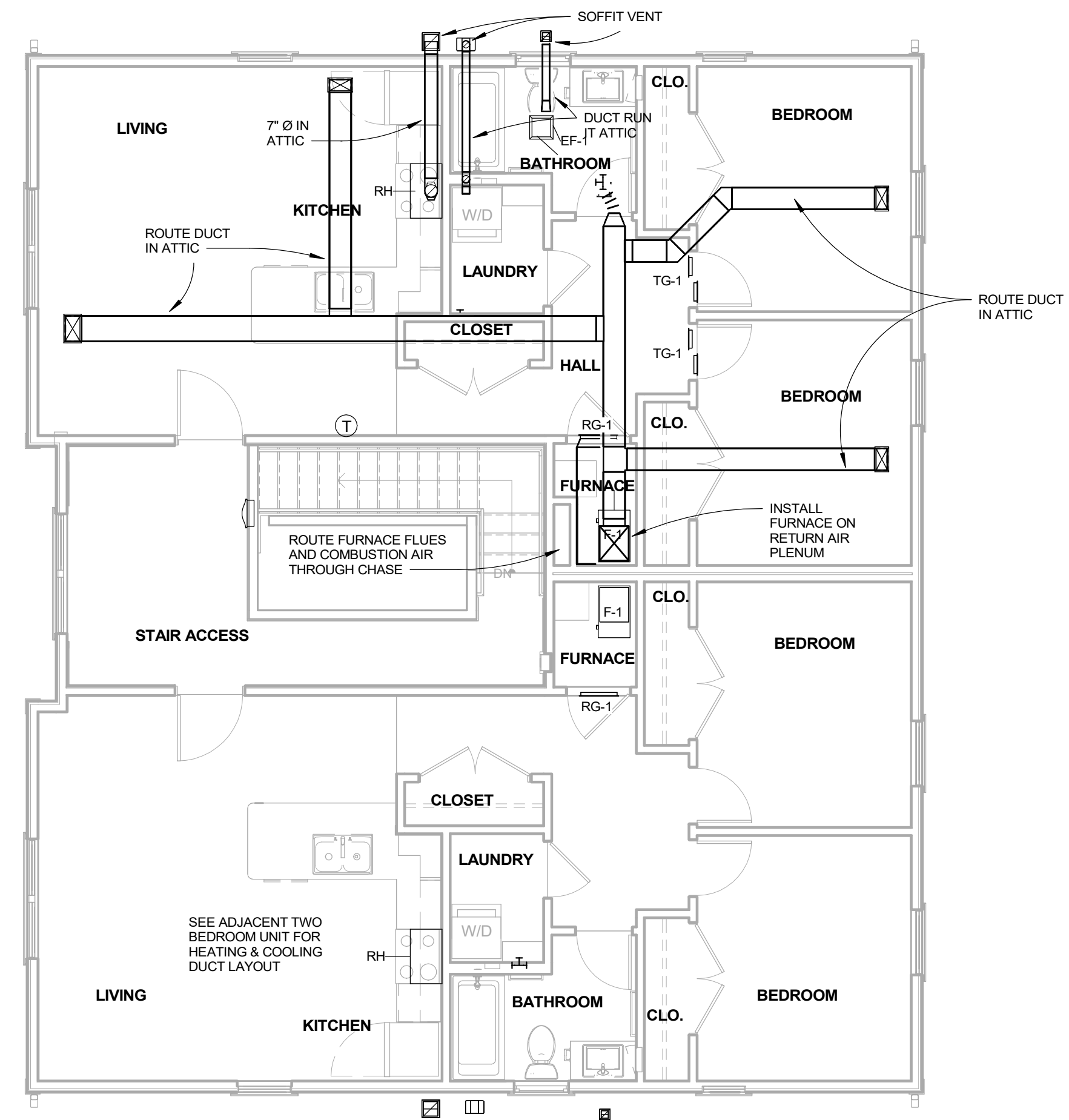
P2.0

QUADPLEX BUILDING

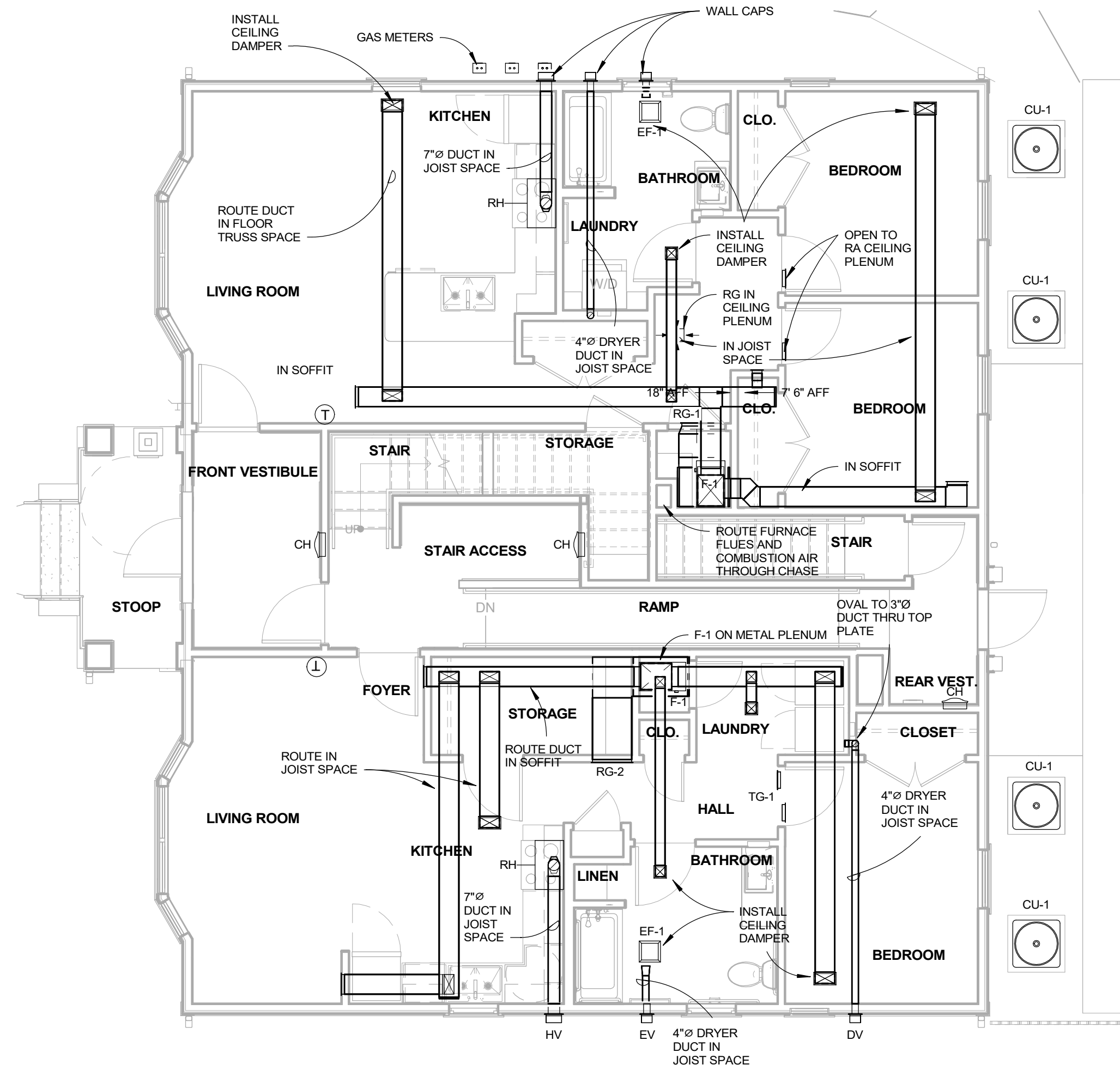
FILE PATH: C:\Users\ahhkeizer\Documents\Revit\2024\Turnock Street 4-plex_ahhkeizer2\CH1.rvt
 PLOT DATE: 2/27/2025 3:14:51 PM



BASEMENT MECHANICAL PLAN
 SCALE: 3/16" = 1'-0"

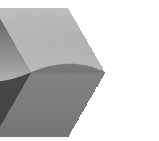
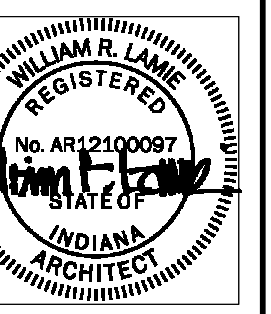


UPPER FLOOR MECHANICAL PLAN
 SCALE: 3/16" = 1'-0"



GROUND FLOOR MECHANICAL PLAN
 SCALE: 3/16" = 1'-0"

QUADPLEX BUILDING



DATE:
 03/07/2025

© 2025
 ALLIANCE ARCHITECTS
 ALL RIGHTS RESERVED

SHEET NO.

M1.0

FURNACE SCHEDULE											
MARK	MAKE	MODEL	DESCRIPTION	AIRFLOW	HEATING		ELECTRICAL				NOTES
					CAPACITY	EFFICIENCY	VOLTAGE	POWER	MCA	MOCP	
F-1	GOODMAN	GM9S960403AN	UPFLOW GAS FURNACE	800	40000.0 Btu/h	96%	120V		10.3 A	15 A	CONNECT TO CU-1 / PROVIDE CONCENTRIC VENT @ ROOF

CABINET HEATER SCHEDULE											
MARK	MAKE	MODEL	DESCRIPTION	AIRFLOW	HEATING		ELECTRICAL				NOTES
					CAPACITY	EFFICIENCY	VOLTAGE	POWER	MCA	MOCP	
CH	QMARK	C21548T	WALL-MOUNTED CABINET HEATER	65	5120.0 Btu/h	100%	240V	1500 W	15 A	20 A	WITH DOUBLE POLE THERMOSTAT CZTDP

CONDENSING UNIT SCHEDULE											
MARK	MAKE	MODEL	DESCRIPTION	EVAPORATOR MODEL	COOLING		ELECTRICAL				NOTES
					CAPACITY	EFFICIENCY	VOLTAGE	POWER	MCA	MOCP	
CU-1	GOODMAN	GLX54MN1810AA	CONDENSING UNIT	PROVIDE GOODMAN CAPTA1814A3AA CASED COIL	18000.0 Btu/h	14.3 SEER2	208/230V	2.16 kW	11.1 A	15 A	CONNECT LINESET TO UNIT F-1

EXHAUST FAN SCHEDULE											
MARK	MAKE	MODEL	DESCRIPTION	AIRFLOW	ELECTRICAL		NOTES				
					VOLTAGE	POWER					
EF-1	PANASONIC	FV-0510V51	NON-CONTINUOUS EXHAUST FAN	50	120V	4.4 W	50 CFM WITH INTERMITTENT SWITCH INCLUDE 4" OVAL TO 3" TRANSITION TO ABOVE THRU WALL PLATE. PROVIDE A 3" TO 4" ROUND ELBOW IN ATTIC. INCLUDE WALL HOOD OR SOFFIT HOOD AS SHOWN. INCLUDE BACKDRAFT DAMPER.				
EF-2	PANASONIC	FV-709VB1	CONTINUOUS EXHAUST FAN	56	120V	17.2 W	MOUNT BETWEEN FLOOR JOISTS				

- NOTES
- SEE ELECTRICAL PLAN FOR SWITCHING.
 - SOFFIT VENT TO BE PANASONIC EZ-SOFFIT VENT
 - WALL CAP TO BE MID-AMERICA 4" HOODED VENT WITH WIRE SCREEN
 - EXHAUST DUCT TO BE RIGID DUCT EXCEPT FOR ATTIC DUCTS CONNECTION TO THE OUTLET. DRYER DUCT TO BE RIGID DUCT.

MECHANICAL ACCESSORY SCHEDULE					
MARK	DESCRIPTION	MAKE	MODEL	NOTES	
ET-1	ASME DIAPHRAM TANK	WESSELS	TTA-12	5 GALLON ACCEPTANCE	

AIR TERMINAL SCHEDULE				
MARK	DESCRIPTION	MAKE/FAMILY	NOTES	
DV	DRYER VENT HOOD	DEFLECTO RVHAW4		
EV	EXHAUST HOOD	BROAN 855		
EVS	EAVE MOUNTED EXHAUST VENT	PANASONIC EZSV14		
EXH-1				
HV	KITCHEN HOOD	BROAN MODEL 647		
L-1	THRU FLOOR TRANSFER	HART & COOLEY		
RG-1	RETURN AIR FILTER GRILLE	HART & COOLEY MODEL 659		
RG-2	RETURN AIR GRILLE	HART & COOLEY MODEL 650		
SG-1	CEILING DIFFUSER	HART & COOLEY MODEL 301	INCLUDE BALANCING DAMPER	
SG-2	SIDEWALL DIFFUSER	HART & COOLEY MODEL 302	INCLUDE BALANCING DAMPER	
SG-3	CEILING DIFFUSER	HART & COOLEY MODEL 302	INCLUDE BALANCING DAMPER	
TG-1	TRANSFER GRILLE	HART & COOLEY MODEL 650	INCLUDE BALANCING DAMPER	

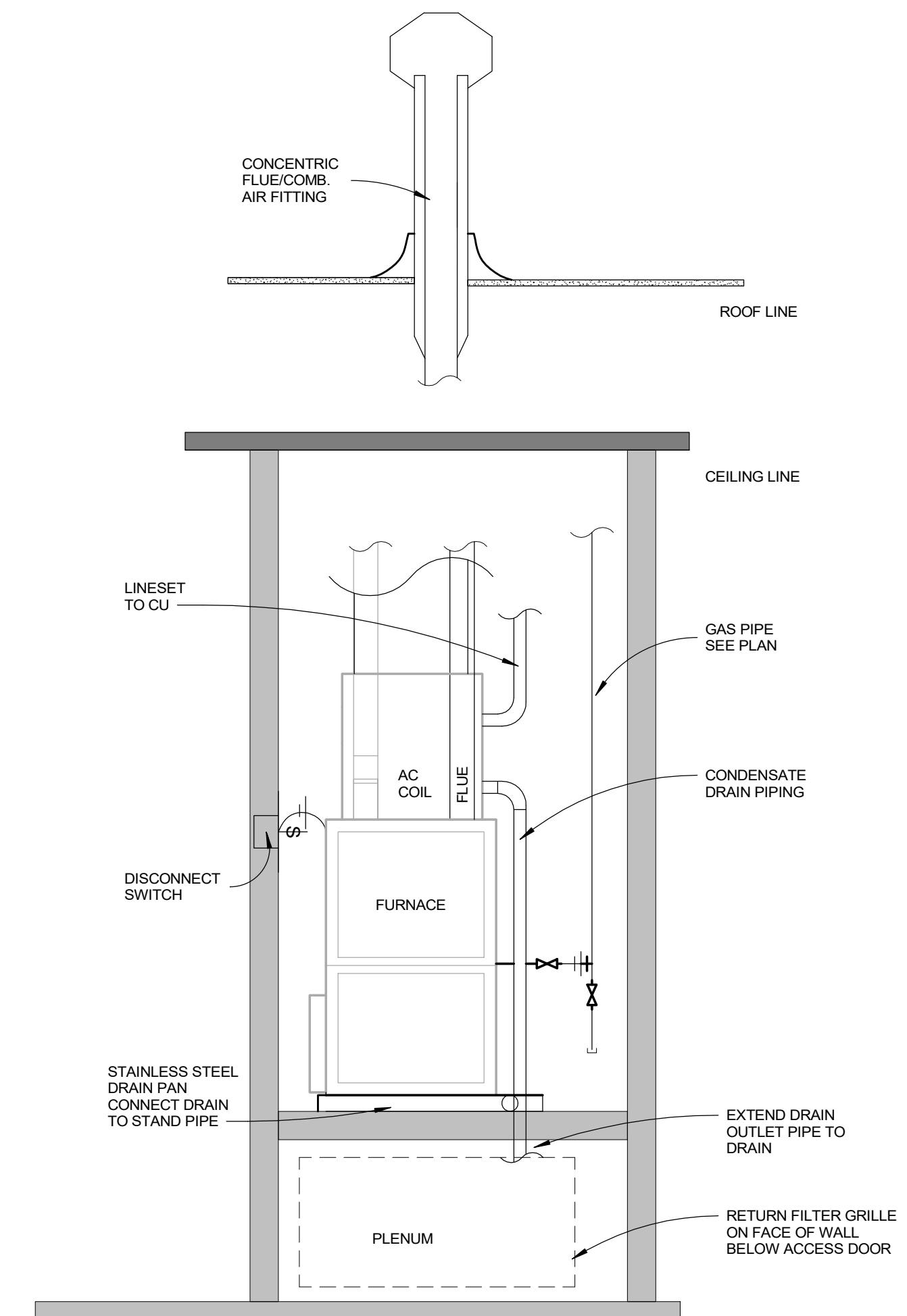
- NOTES
- DRYER VENT CAPS TO BE MID-AMERICA MASTER EXHAUST VENT
 - DRYER EXHAUST DUCT TO BE RIGID DUCT

MECHANICAL NOTES

- ALL WORK SHALL BE IN ACCORDANCE WITH THE APPLICABLE NATIONAL, STATE, AND LOCAL CODES AT THE TIME OF BIDDING, INCLUDING BUT NOT LIMITED TO THOSE CODED ON THE CODE COMPLIANCE SHEET.
- DRAWINGS ARE DIAGRAMMATIC. FIELD VERIFY ALL EXISTING CONDITIONS AND COORDINATE LOCATIONS WITH OTHER TRADES.
- SUBSTITUTIONS FOR BRAND OR MODEL OF EQUIPMENT/DEVICES ARE NOT PERMITTED IN THE BASE BID UNLESS OTHERWISE STATED OR APPROVED IN WRITING BY THE ARCHITECT/ENGINEER. SUBSTITUTIONS MAY BE SUBMITTED WITH WRITTEN EXPLANATION AS VOLUNTARY ALTERNATES. SEE SPECIFICATIONS.
- SCHEDULED EQUIPMENT REFLECTS THE BASIS-OF-DESIGN FOR THIS PROJECT'S DESIGN INTENT. IT REMAINS THE CONTRACTOR'S RESPONSIBILITY TO CONFIRM AND COORDINATE THE SPECIFIC PARAMETERS OF IDENTIFIED ITEMS WITH THE OTHER IDENTIFIED COMPONENTS WITHIN THE CONTRACT DOCUMENTS. IT IS THE DESIGN INTENT THAT THE EQUIPMENT SELECTED SHALL BE INSTALLED TO ESTABLISH FULLY OPERATIONAL MECHANICAL, PLUMBING, AND ELECTRICAL SYSTEMS.
- ALL EQUIPMENT, PIPING, VENTING, ETC. SHALL BE IN STRICT CONFORMANCE WITH THE MANUFACTURER'S PRINTED RECOMMENDATIONS/INSTRUCTIONS. NOTIFY ARCHITECT/ENGINEER OF ANY CONFLICT BETWEEN CODE REQUIREMENTS AND DRAWINGS AND/OR MANUFACTURER'S REQUIREMENTS.
- THE FLOOR PLANS DO NOT SHOW ALL VALVES, FITTINGS, APPURTENANCES, ACCESS PANELS, ELEVATION CHANGES, AND VARIOUS OTHER ITEMS. THESE ITEMS SHALL BE PROVIDED WITHOUT ADDITIONAL COST FOR A COMPLETE AND OPERATING SYSTEM.
- COORDINATE ROUTING OF PIPING, DUCTWORK, ETC. PRIOR TO STARTING INSTALLATION. MECHANICAL AND ELECTRICAL TRADES SHALL REVIEW AVAILABLE SPACE AND COORDINATE ALL SYSTEM ROUTING PRIOR TO INSTALLATION. FIELD VERIFY ALL FRAMING, CEILING HEIGHTS, ETC. BEFORE ORDERING OR FABRICATING SYSTEMS.
- SEE SPECIFICATIONS FOR DUCT AND PIPING MATERIAL REQUIREMENTS.
- SEAL ALL PENETRATIONS THRU INTERIOR AND/OR EXTERIOR WALLS AND THROUGH CEILINGS AND/OR ROOFS.
- ROUTE LINESETS VERTICALLY INSIDE EXTERIOR WALL INSULATION BARRIER IN INTERIOR WALL STUD SPACE OR SHOWER CHASE.
- TERMINATE FURNACE FLUE AND COMBUSTION AIR TO CONCENTRIC VENTS AT THROUGH ROOF CHASE, MAINTAIN SPACING TO OTHER FLUES AND VENTS.

MECHANICAL LEGEND

- THERMOSTAT - MOUNT @ 46" TO CENTER
- ROOM REMOTE TEMPERATURE SENSOR - MOUNT @ 46" TO CENTER
- MANUAL BALANCING DAMPER
- FIRE DAMPER
- FIRE AND SMOKE DAMPER (SD INDICATES SMOKE DAMPER ONLY)
- CEILING RADIATION DAMPER
- AIRFLOW DIRECTION INDICATOR



MECH. ROOM DETAIL

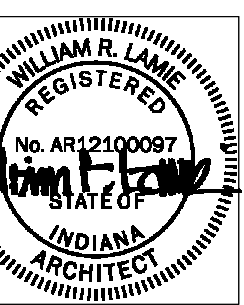
SCALE: N.T.S.

3
M2.0

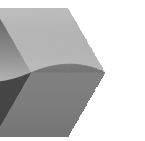
QUADPLEX BUILDING

ALLIANCE
ARCHITECTS

929 Lincolnway East, Suite 200 | South Bend, Indiana 46601



South Bend
Heritage



TURNNOCK STREET QUADPLEX
SOUTH BEND HERITAGE
712 TURNNOCK STREET
SOUTH BEND, INDIANA 46617

DATE:
03/07/2025

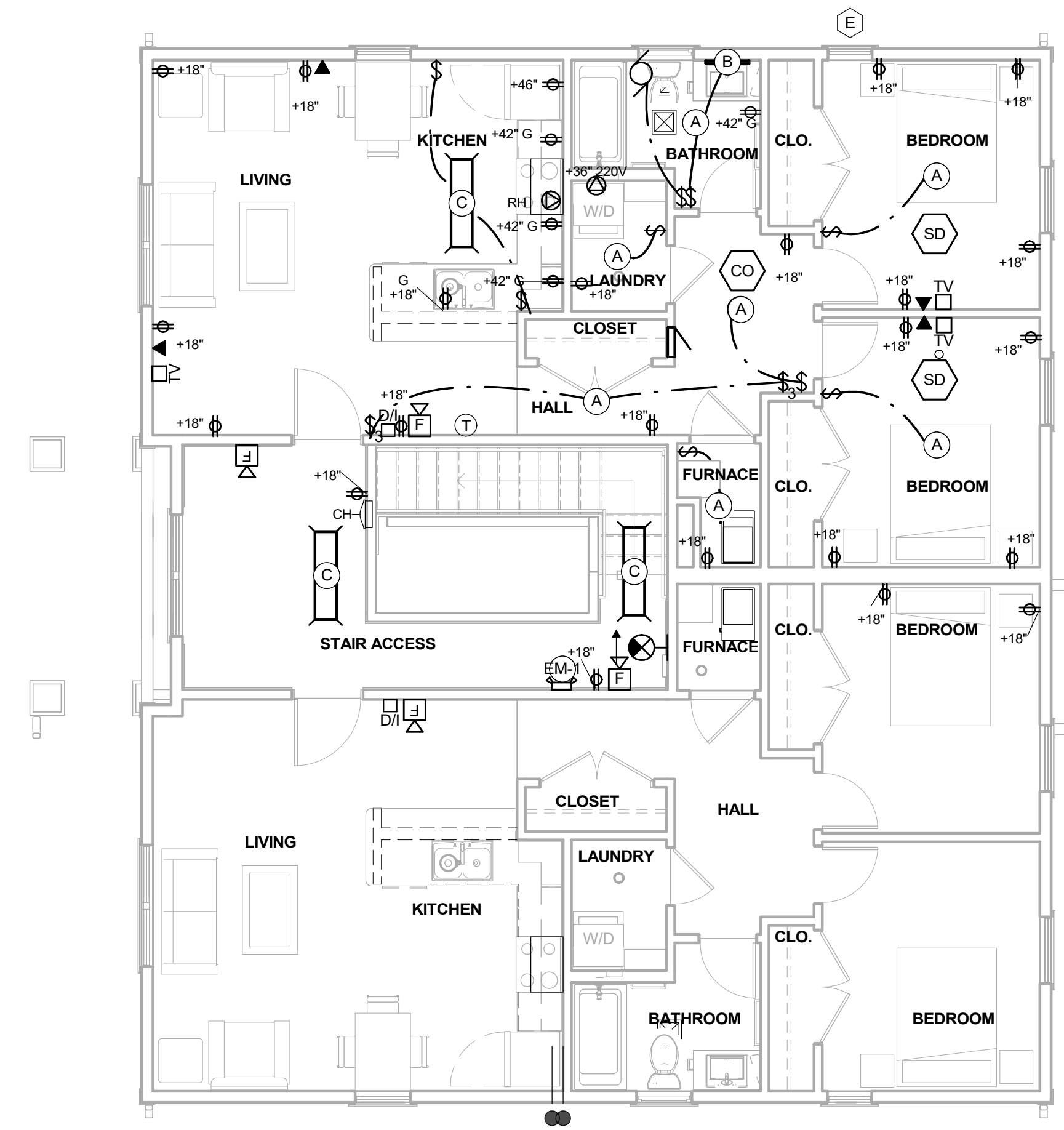
© 2025
ALLIANCE ARCHITECTS
ALL RIGHTS RESERVED

SHEET NO.

M2.0

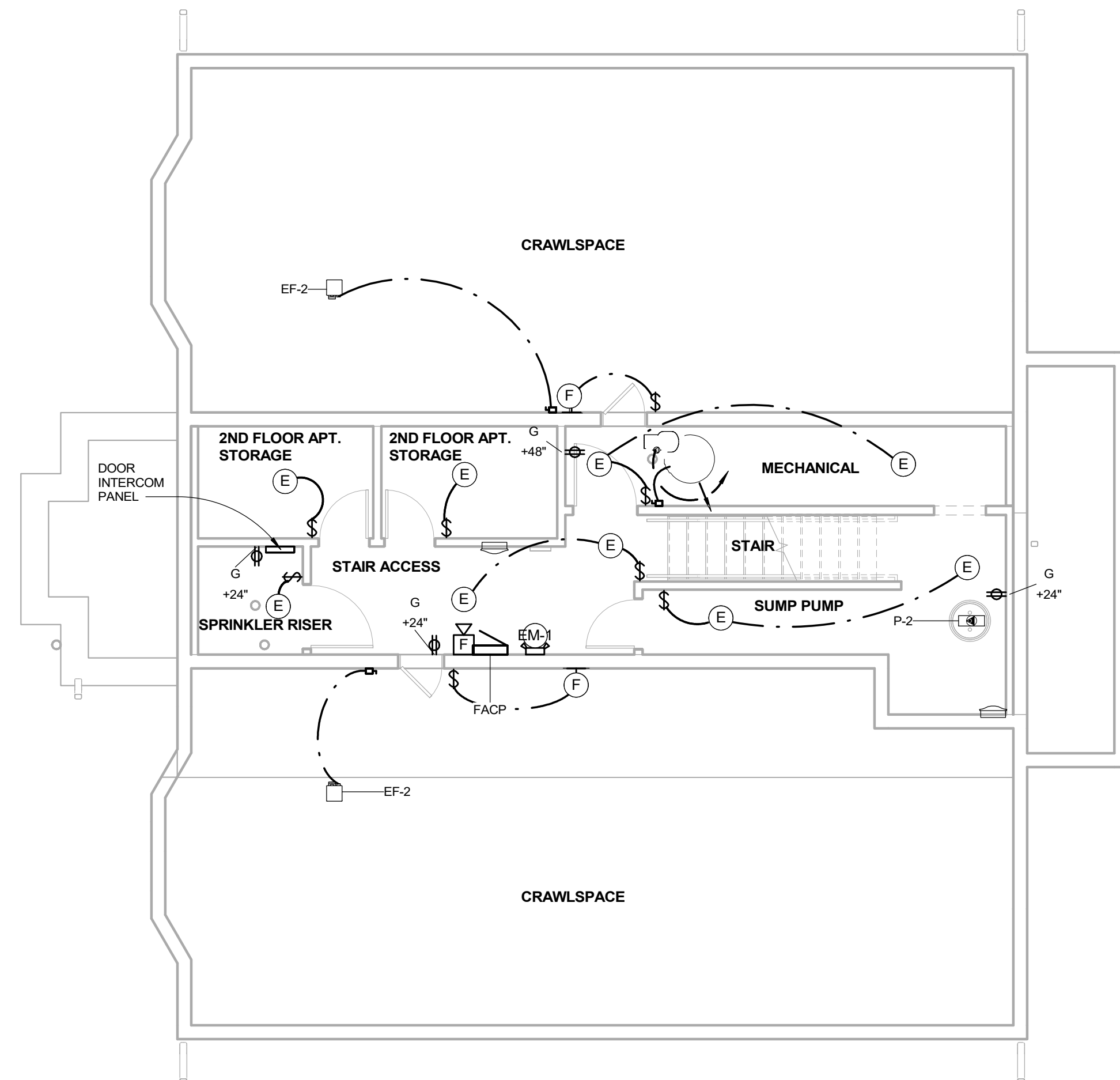
FIRE ALARM GENERAL NOTES

1. FIRE ALARM SYSTEM SHALL BE INSTALLED AND TESTED IN ACCORDANCE WITH NFPA 72 AND BE FULLY MONITORED.
2. PROVIDE PULL STATIONS AS SHOWN ON PLANS. FLOW ALARMS ON SPRINKLER SYSTEM, TAMPER SWITCHES, STROBE/HORN ON EACH FLOOR CORRIDORS AND PUBLIC ROOMS AND FIRE ALARM CONTROL PANEL. SYSTEM SHALL BE MONITORED BY OUTSIDE MONITORING COMPANY, AND SYSTEM SHALL BE FULLY OPERABLE.
3. SEE UNIT ELECTRICAL PLANS FOR SMOKE DETECTORS OR SMOKE/CO2 DETECTORS. ALL APARTMENT SMOKE DETECTORS SHALL BE HARD WIRED, INTERCONNECTED WITHIN ONE DWELLING UNIT AND HAVE BATTERY BACKUP.
4. INSTALL FIRE ALARM HORNS IN EACH APARTMENT UNIT IN SUFFICIENT QUANTITY TO PROVIDE THE MINIMUM SOUND LEVELS REQUIRED BY APPLICABLE CODE. TESTING FOR SOUND LEVEL (75 dBA) ABOVE AMBIENT) SHALL BE COMPLETED IN ACCORDANCE WITH NFPA 72 AND SUBMITTED TO THE AUTHORITY HAVING JURISDICTION.
5. AT SENSORY IMPAIRED UNITS, PROVIDE FIRE ALARM HORN/STROBES IN LIEU OF HORNS DESCRIBED IN NOTE 4 ABOVE, ALSO PROVIDE STROBE UNITS IN BATHROOMS AND BEDROOMS WHERE AS SHOWN ON THE UNIT ELECTRICAL PLANS.
6. THE SYSTEM SHALL HAVE THE CAPACITY TO SUPPORT ADDITIONAL DEVICES IN NON-SENSORY IMPAIRED UNITS. EXTEND FIRE ALARM INDICATING APPLIANCE CIRCUITS INTO EACH UNIT AND TO EACH DEVICE LOCATION (J-BOXES FOR FUTURE STROBES ARE SHOWN ON UNIT ELECTRICAL PLANS).
7. FIRE ALARM SHALL BE INITIATED BY THE FOLLOWING DEVICES: MANUAL PULLS, WATER FLOW SWITCHES IN THE FIRE SUPPRESSION SYSTEM, AS SHOWN AND AS REQUIRED BY LOCAL ORDINANCE.
8. TROUBLE ALARM SHALL BE INITIATED BY THE FOLLOWING DEVICES: FIRE SUPPRESSION SYSTEM TAMPER SWITCHES, DEVICE OR SYSTEM MALFUNCTION AS REQUIRED BY NFPA 72, PIV ACTIVATION (WHERE APPLICABLE) (VALVE CLOSED)
9. ALL SMOKE DETECTORS SHALL BE EITHER COMBINATION SMOKE AND CARBON MONOXIDE DETECTORS OR SMOKE DETECTORS AS NOTED ON THE PLAN.



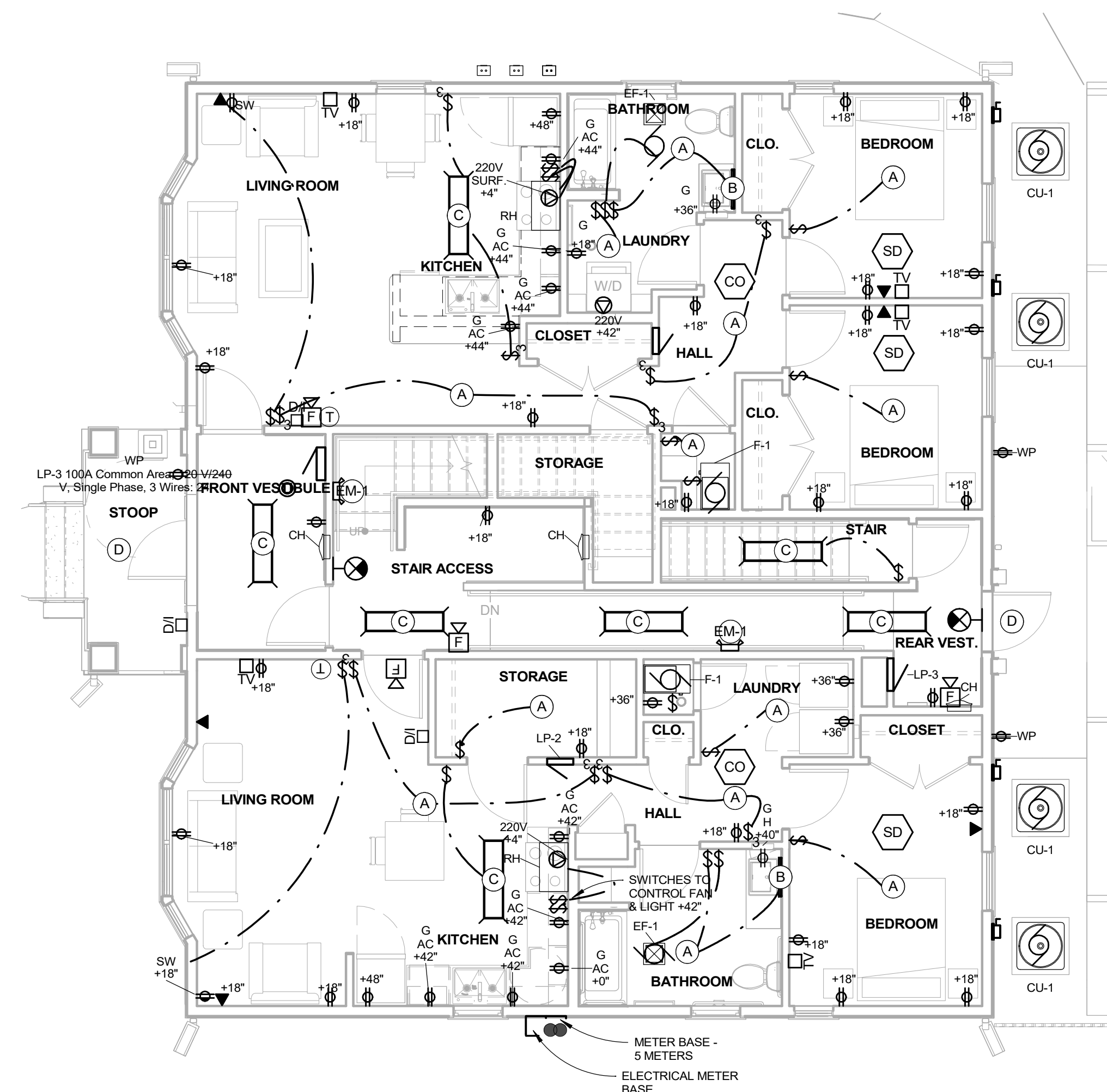
UPPER FLOOR ELECTRICAL PLAN

SCALE: 3/16" = 1'-0"



BASEMENT ELECTRICAL PLAN

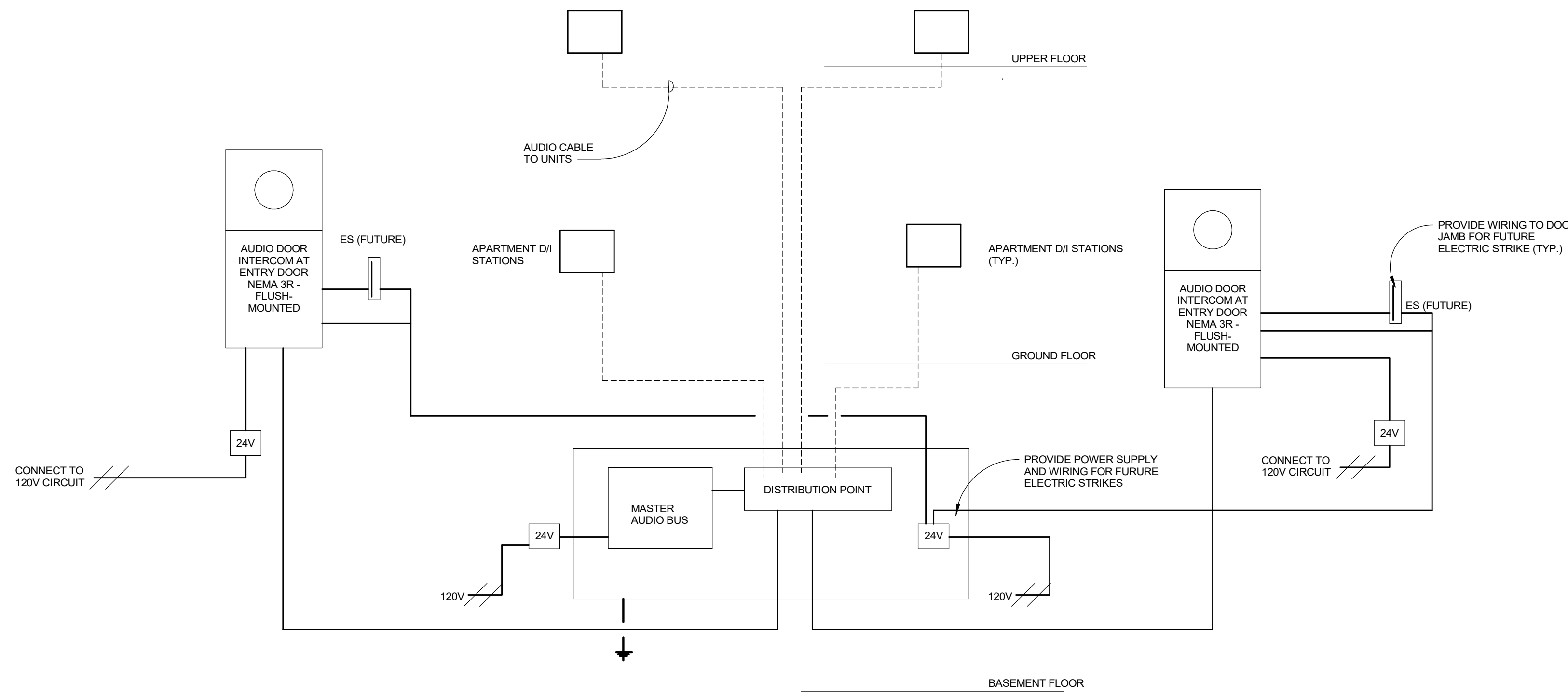
SCALE: 3/16" = 1'-0"



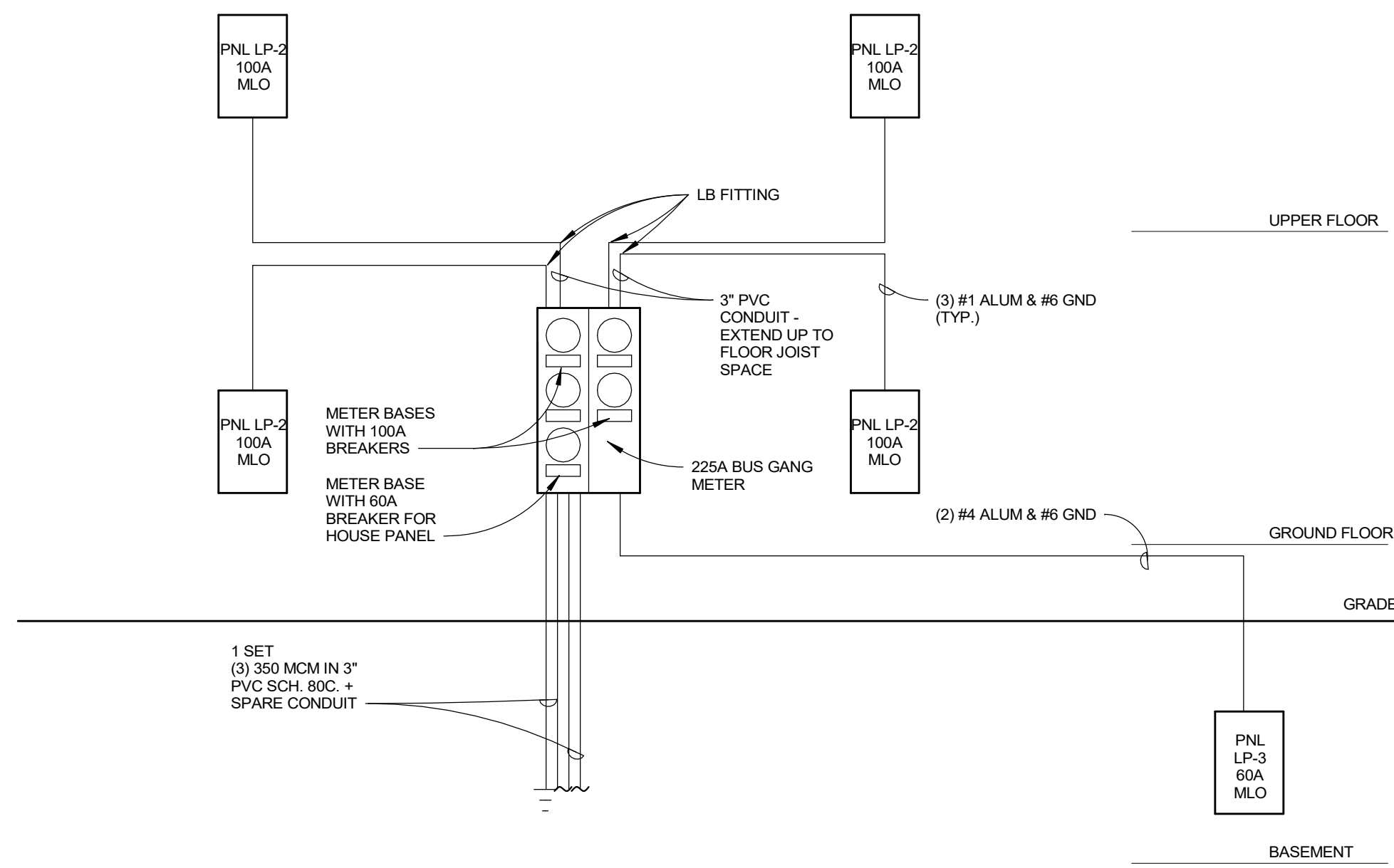
GROUND FLOOR ELECTRICAL PLAN

SCALE: 3/16" = 1'-0"

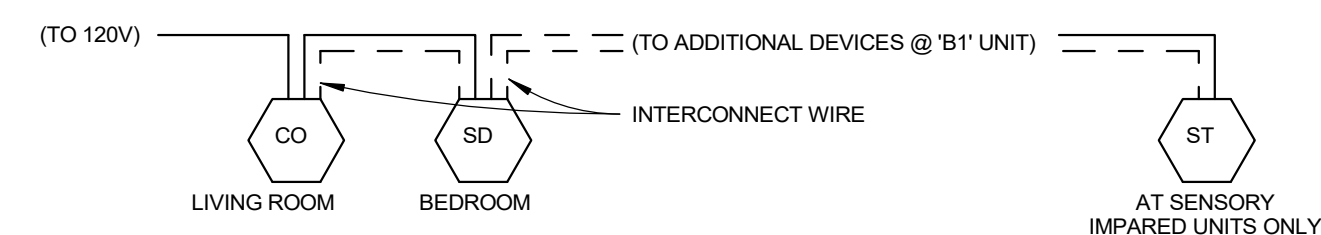




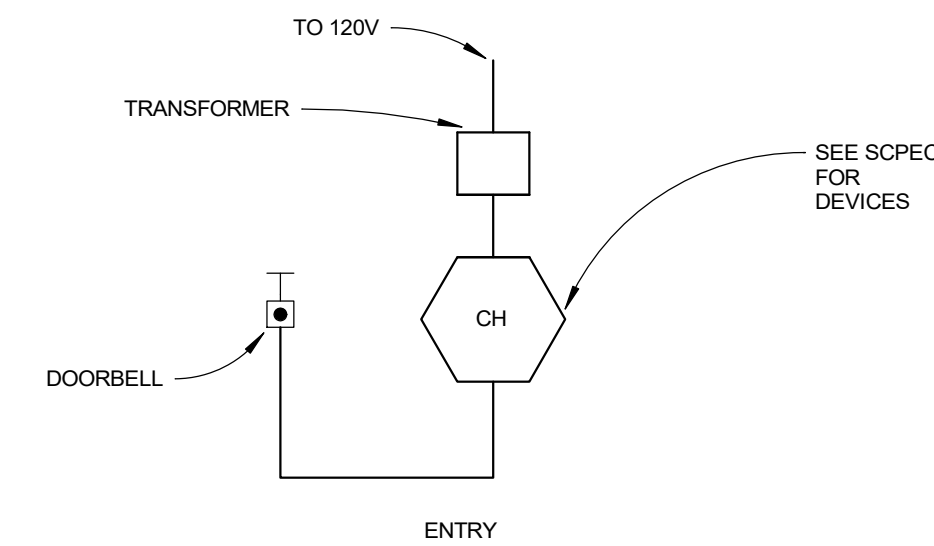
DOOR INTERCOM RISER



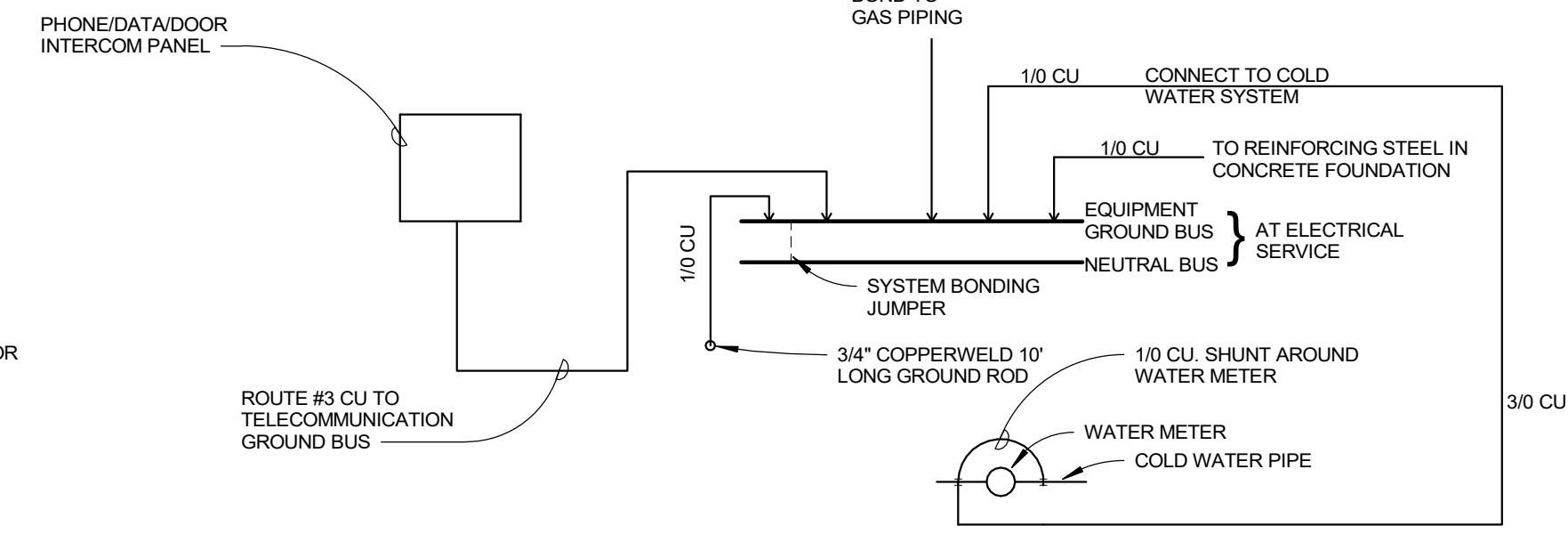
ELECTRICAL RISER DIAGRAM



SMOKE DETECTOR DIAGRAM



DOOR CHIME DIAGRAM



- NOTES:
- CONTRACTOR SHALL FOLLOW THIS DETAIL FOR PROPER GROUNDING CONNECTIONS, INCLUDING FURNISH AND INSTALL ALL CONDUCTORS AND EQUIPMENT SUCH AS GROUND RODS, SURGE ARRESTOR, GROUND BUS, ETC. TO PROPERLY GROUND/BOND ALL EQUIPMENT.
 - SYSTEM GROUNDING FOR INTERIOR DISTRIBUTION TRANSFORMERS SHALL BE MADE TO A GROUNDING ELECTRODE AS NEAR AS PRACTICAL TO, AND PREFERABLY IN THE SAME AREA AS, THE TRANSFORMER THE ELECTRODE SHALL BE THE NEAREST OF A METAL WATER PIPE GROUNDING ELECTRODE OR STRUCTURAL METAL GROUNDING ELECTRODE.
 - GROUNDING ELECTRODE RESISTANCE SHALL BE 25 OHMS OR LESS. SHOULD THE MEASURED RESISTANCE BE HIGHER THAN 25 OHMS, ADDITIONAL SUPPLEMENTAL ELECTRODES SHALL BE PROVIDED AS REQUIRED TO REACH A RESISTANCE TO EARTH OF 25 OHMS OR LESS.
 - IN ADDITION TO THE ABOVE DEPICTED CONNECTIONS, CONTRACTOR SHALL PROVIDE ALL GROUND RODS, GROUND GRIDS, AND OTHER GROUNDING ELECTRODES AS REQUIRED BY THE UTILITY COMPANY AND MAKE CONNECTIONS TO UTILITY EQUIPMENT PER UTILITY COMPANY STANDARDS.

ELECTRIC GROUNDING DETAIL

ANNOTATION LEGEND	
MARK	DESCRIPTION
DEVICE NOTES	
CO	HARDWIRED COMBINATION SMOKE AND CARBON MONOXIDE DETECTOR. SEE SPECIFICATIONS FOR MODEL INFORMATION
SD	HARDWIRED SMOKE DETECTOR - INTERCONNECT WITH OTHER DETECTORS WITHIN UNIT
ST	SMOKE DETECTOR STROBE LIGHT INTERCONNECT WITH DETECTORS
AC	MOUNT DEVICE ABOVE COUNTER AT HEIGHT INDICATED - MOUNT HORIZONTAL IN COUNTERTOP BACK SPLASH AT HIC UNITS & COMM. RM. KITCHEN - GFI PROTECTED
CH	DOORBELL CHIME KIT - HORN/ STROBE DEVICE AT SU UNITS SEE SPECIFICATIONS AND WIRING DIAGRAM
DB	DOOR BELL BUTTON- INSTALL @ 46" AFF - SEE SPECIFICATIONS
F	FAN SWITCH. PROVIDE 2 CONTROL WIRES TO FAN
D	INTEGRAL DIMMING SWITCH - SEE LIGHTING CONTROL SCHEDULE FOR TYPE
M	INTEGRAL SWITCH AND MOTION SENSOR - SEE LIGHTING CONTROL SCHEDULE FOR TYPE
TV	CABLE TV JACK
WR	EXISTING EMERGENCY CALL SYSTEM WIRELESS REPEATER TO REMAIN
G	GROUND FAULT CIRCUIT INTERRUPTER (GFCI) PROTECTED
WP	WEATHER PROOF ENCLOSURE WITH GFCI PROTECTION AND IN-USE COVER
+XX	MOUNT AT XX" ABOVE FINISH FLOOR TO CENTERLINE OF DEVICE
FH	EXHAUST FAN & HEATER CONTROL SWITCHES
2P	TWO POLE SWITCH
ES	ELECTRONIC SWITCH
DI	DOOR INTERCOM
GD	GARBAGE DISPOSAL
PS	POWER SUPPLY
NL	LIGHT THAT IS ON CONTINUOUSLY

LIGHTING LEGEND	
	SURFACE MOUNT LIGHT FIXTURE
	RECESSED LIGHT FIXTURE
	WALL MOUNTED LIGHT FIXTURE
	CEILING MOUNTED LIGHTING OR FIRE ALARM DEVICE, MARK INDICATES SPECIFIC DEVICE TYPE
	CEILING MOUNTED EXIT LIGHT, VISIBLE FROM THE SHADED DIRECTION(S)
	WALL MOUNTED EXIT LIGHT, VISIBLE FROM THE SHADED DIRECTION(S)
	EMERGENCY EGRESS LIGHT

ELECTRICAL NOTES

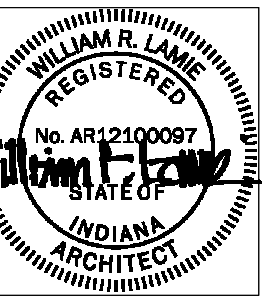
- ALL WORK SHALL BE IN ACCORDANCE WITH THE APPLICABLE NATIONAL, STATE, AND LOCAL CODES AT THE TIME OF BIDDING, INCLUDING BUT NOT LIMITED TO THOSE NOTED ON THE COVER SHEET.
- DRAWINGS ARE DIAGRAMMATIC. FIELD VERIFY ALL UTILITY REQUIREMENTS AND COORDINATE WITH OTHER TRADES.
- SUBSTITUTIONS FOR BRAND OR MODEL OF DEVICES ARE NOT PERMITTED IN THE BASE BID UNLESS OTHERWISE STATED OR APPROVED IN WRITING BY THE ARCHITECT/ENGINEER. SUBSTITUTIONS MAY BE SUBMITTED WITH WRITTEN EXPLANATION AS VOLUNTARY ALTERNATES.
- SCHEDULED EQUIPMENT REFLECTS THE BASIS-OF-DESIGN FOR THIS PROJECT'S DESIGN INTENT. IT REMAINS THE CONTRACTOR'S RESPONSIBILITY TO CONFIRM AND COORDINATE THE SPECIFIC PARAMETERS OF IDENTIFIED ITEMS WITH THE OTHER IDENTIFIED COMPONENTS WITHIN THE CONTRACT DOCUMENTS. IT IS THE DESIGN INTENT THAT THE EQUIPMENT SELECTED SHALL BE INSTALLED TO ESTABLISH FULLY OPERATIONAL MECHANICAL, PLUMBING, AND ELECTRICAL SYSTEMS.
- INSTALL ALL EQUIPMENT, DEVICES, AND MATERIALS IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.
- ALL INTERIOR WIRING TO BE INSULATED THIN OR EQUIVALENT. EXTERIOR WIRING AND ALL WIRING IN WET LOCATIONS TO BE THWN OR EQUIVALENT.
- CONDUIT SERVING UP TO 3 CURRENT CARRYING CONDUCTORS OF SIZE 10AWG OR SMALLER PERMITTED TO BE MC CABLE.
- CONDUIT RUN WITH FIRE RATED WALLS TO BE EMT. ALL OTHER CONDUIT TO BE EITHER PVC OR EMT, UNLESS OTHERWISE NOTED.
- ALL DEVICES AND BOX COVERS SHALL BE COLOR AND FINISH AS NOTED IN THE SPECIFICATIONS OR SELECTED BY THE ARCHITECT, CONFIRM WITH ARCHITECT PRIOR TO ORDERING.
- IT IS THE DESIGN INTENT THAT ALL LIGHT FIXTURES NOT LOCATED WITHIN DWELLING UNITS BE AUTOMATICALLY CONTROLLED BY OCCUPANCY SENSORS, WHERE NO DEDICATED OCCUPANCY SENSOR IS INDICATED FOR A SPACE PROVIDE INTEGRATED OCCUPANCY SENSOR/LIGHT SWITCH.
- NIGHT LIGHTS AND EMERGENCY EGRESS OR EXIT LIGHTING SHALL NOT BE CONTROLLED BY AUTOMATIC OCCUPANCY CONTROLS.
- WHERE OCCUPANCY SENSORS ARE CALLED OUT, INTEGRATE OCCUPANCY SENSOR INTO LIGHT SWITCHING.
- WIRE EXIT AND EGRESS LIGHTS TO THE NEAREST CONTINUOUSLY ENERGIZED LIGHTING CIRCUIT.
- DEVICES SHOWN IN FIRE RATED WALLS (SEE CODE PLAN) ON OPPOSITE SIDES TO BE SEPARATED HORIZONTALLY BY AT LEAST ON STUD.

ELECTRICAL LEGEND

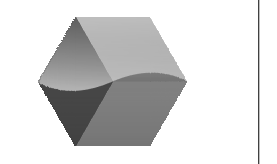
- DUPLEX RECEPTACLE
 - SIMPLEX RECEPTACLE
 - SPLIT DUPLEX RECEPTACLE, HALF SWITCHED
 - DOUBLE DUPLEX RECEPTACLE
 - 240V 4 WIRE SIMPLEX SURFACE-MOUNTED/RANGE RECEPTACLE 4" AFF
 - 240V DRYER RECEPTACLE, SEE SPECIFIC NOTE FOR REQUIREMENTS
 - LIGHT SWITCH
 - LIGHT SWITCH WITH OCCUPANCY SENSOR
 - NETWORK PORT, PROVIDE MINIMUM 2 CABLES TO RACK
 - EXIT SIGN
 - PUSH BUTTON OPERATOR
 - ELECTRICAL BOX FOR HARD WIRED DEVICE, SEE TAG NOTES
 - MOTOR OR HVAC LOAD, SEE MECHANICAL SHEETS FOR ELECTRICAL REQUIREMENTS
 - SECURITY CAMERA, SEE SPECIFICATIONS FOR REQUIREMENTS, ROUTE CABLE BACK TO DVR OR SWITCH LOCATION
 - FIRE ALARM HORN/STROBE DEVICE, CONNECT TO FACP - WP INDICATES WEATHER PROOF DEVICE AND BOX
 - FIRE ALARM VISUAL DEVICE, CONNECT TO FACP
 - FIRE ALARM MANUAL PULL STATION, CONNECT TO FACP
 - FIRE ALARM FLOW SWITCH, CONNECT TO FACP, COORDINATE WITH FIRE PROTECTION CONTRACTOR
 - FIRE ALARM TAMPERS SWITCH, CONNECT TO FACP, COORDINATE WITH FIRE PROTECTION CONTRACTOR
 - ELECTRICAL CIRCUIT
 - WALL MOUNTED ELECTRICAL FIXTURE, MARK INDICATES SPECIFIC DEVICE TYPE
- SYMBOL TAG NOTES:
- G GROUND FAULT CIRCUIT INTERRUPTER (GFCI) PROTECTED
 - WP WEATHER PROOF ENCLOSURE WITH GFCI PROTECTION AND IN-USE COVER
 - +XX MOUNT AT XX" ABOVE FINISH FLOOR TO CENTERLINE OF DEVICE
 - AC MOUNT ABOVE COUNTER TOP, SEE WALL ELEVATIONS
 - UC MOUNT BELOW COUNTER TOP IN BASE CABINET
 - DW DISHWASHER RECEPTACLE
 - H MOUNT DEVICE HORIZONTAL IN COUNTERTOP BACK SPLASH

GENERAL INFORMATION

ALLIANCE ARCHITECTS
929 Lincolnway East, Suite 200 | South Bend, Indiana 46601



South Bend Heritage



TURNNOCK STREET QUADPLEX
SOUTH BEND HERITAGE
712 TURNNOCK STREET
SOUTH BEND, INDIANA 46617

DATE:
03/07/2025

© 2025 ALLIANCE ARCHITECTS
ALL RIGHTS RESERVED

SHEET NO.

E2.0

FILE PATH: C:\Users\ahake\Documents\Revit\2025\Turnock Street 4-plex_alliance2\CH1.rvt
PLOT DATE: 2/27/2025 3:15:01 PM

Branch Panel:		Location: REAR VEST, 1216		Volts: 120/240 Single		A.I.C. Rating:			
Supply From:		Phases: 1		Wires: 3		Mains Type:			
Mounting: Recessed		Enclosure:		Mains Rating: 100 A		MCB Rating: 100 A			
Notes:									
CKT	Circuit Description	Trip	Poles	A	B	Poles	Trip	Circuit Description	CKT
1	Standard Fire Alarm Panel	20 A	1	750 VA	540 VA	1	20 A	Receptacles - Stair Access	2
3	Lighting Exterior	20 A	1				20 A	Receptacle	4
5	CH CABINET HEATER	20 A	2	750 VA	560 VA	1	20 A	Lighting	6
7									8
9	CH CABINET HEATER	20 A	2	750 VA	314 VA	2	20 A	Sump Pump	10
11									12
13	CH CABINET HEATER	20 A	2	750 VA	120 VA	1	20 A	Circulator Pump	14
15								Water Heater	16
17	CH CABINET HEATER	20 A	2	750 VA	0 VA	1	20 A	Exhaust Fans - continuous	18
19								Emergency Lighting	20
21	CH CABINET HEATER	20 A	2	750 VA	0 VA	1	20 A	Future Radon Exhaust fan	22
23								Spare	24
25	Space	--	1	--	--	1	--	Receptacle - Exterior & Basement - GFI Breaker	26
27	Space	--	1	--	--	1	--	Space	28
29	Space	--	1	--	--	1	--	Space	30
31									32
33									34
35									36
37									38
39									40
41									42
Total Load:				5908 VA	6112 VA				
Total Amps:				49 A	51 A				
Legend:									
Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals					
Appliance - Dwelling Unit	627 VA	100.00%	627 VA	Total Conn. Load:	11317 VA				
HVAC	7500 VA	100.00%	7500 VA						
Lighting - General	0 VA	0.00%	0 VA	Total Est. Demand:	11317 VA				
Lighting - Dwelling Unit	1100 VA	100.00%	1100 VA	Total Conn.:	47 A				
Other	328 VA	100.00%	328 VA	Total Est. Demand:	47 A				
Receptacle	1620 VA	100.00%	1620 VA						
Spare	300 VA	100.00%	300 VA						
Lighting	0 VA	0.00%	0 VA						
Power	0 VA	0.00%	0 VA						

MARK	MAKE	MODEL	DESCRIPTION	LIGHT			ELECTRICAL		NOTES
				SOURCE	LUMENS	COLOR	VOLTAGE	POWER	
A	LITHONIA	FMM1 13 840	FLUSH MOUNT LED	LED	2000	4000K	120V	28 W	
B	LITHONIA	FMSATL 13 148 30K BN	WALL MOUNTED VANITY LIGHT	LED	1232	3000K	120V	16.4 W	
C	LITHONIA	SBL4 3000L 80CRI 30K SLD GZT	1x4 SURFACE MOUNT	LED	3165	3000K	120V	25.6 W	
D	LITHONIA	LDN6 30/10 L06 AR LSS MVOLT E21	RECESSED LED CAN LIGHT - EMERGENCY BATTERY	LED	950	3000K	120V	10.4 W	INCLUDE EMERGENCY BATTERY BACKUP
E	LITHONIA	FMLRDL 20IN	20" ROUND CEILING LIGHT	LED	3920	4000K	120V	44 W	
EM-1	LITHONIA	ELM1272 MR24 H2012 N	WALL MOUNTED EMERGENCY LIGHT	LED			120V		
EX-2	LITHONIA	LQM S W 3 R MVOLT ELN	WALL MOUNTED EXIT SIGN	LED	---		120V	.62W	INCLUDE DIRECTIONAL ARROW WHERE SHOWN ON PLAN. MOUNT W/ BOTTOM EDGE AT 8'-0"
F	LITHONIA	WL4 30L E21 LP840	WALL MOUNTED EXTEA' LONG WALL BRACKET	LED	3251	4000K	120V	28.2 W	MOUNT 4" BELOW FLOOR JOISTS ON SURFACE MOUNTED BOX(ES)

TYPICAL 1 BEDROOM LOAD CALCULATION

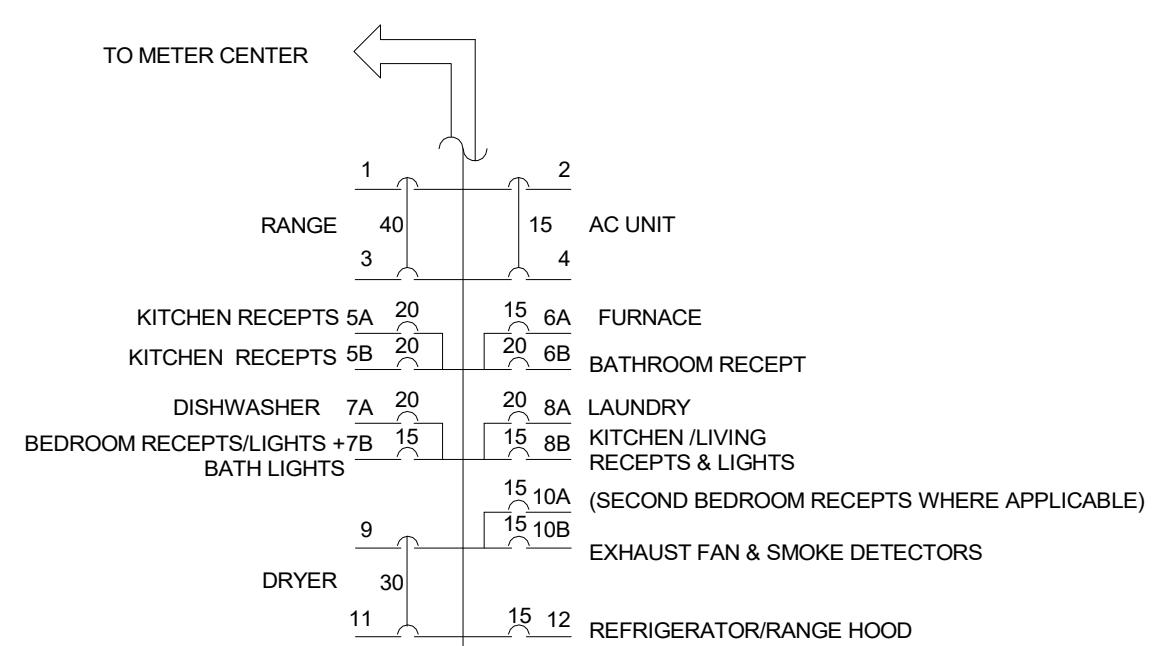
One Bedroom Unit	752.00 SF				120/240 V	1...
LOAD		QUANT.	red. %			
GENERAL LIGHTING & RECPT.	3.00 VA	752	SF	=	2256.00	VA
SMALL APPLIANCE BR. CIRCUITS	1500.00 VA	X	3	100.00%	=	4500.00 VA
LAUNDRY BRANCH CIRCUIT	1500.00 VA	X	1	100.00%	=	1500.00 VA
RANGE OUTLET	8000.00 VA	X	1	100.00%	=	8000.00 VA
CONT. EXHAUST FAN	300.00 VA	X	1	100.00%	=	300.00 VA
DRYER	5000.00 VA	X	1	100.00%	=	5000.00 VA
TOTAL					GENERAL LOADS	21556.00 VA
					FIRST 10KVA	10000.00 VA
					REMAINDER	11556.00 VA
					VA	100% 10000.00 VA
					VA	40% 4622.4 VA
CONDENSER	2520.00 VA	X	1	100.00%	=	2520.00 VA
FURNACE MOTOR	500.00 VA	X	1	100.00%	=	500.00 VA
TOTAL VA						17642.40 VA
TOTAL AMPS @ 240 V						73.51 AMPS

*LOAD CALCULATION PER SECTION 220.82 DWELLING UNIT

TYPICAL 2 BEDROOM LOAD CALCULATION

Two Bedroom Unit	938.00 SF				120/240 V	1...
LOAD		QUANT.	red. %			
GENERAL LIGHTING & RECPT.	3.00 VA	938	SF	=	2814.00	VA
SMALL APPLIANCE BR. CIRCUITS	1500.00 VA	X	3	100.00%	=	4500.00 VA
LAUNDRY BRANCH CIRCUIT	1500.00 VA	X	1	100.00%	=	1500.00 VA
RANGE OUTLET	8000.00 VA	X	1	100.00%	=	8000.00 VA
CONT. EXHAUST FAN	300.00 VA	X	1	100.00%	=	300.00 VA
DRYER	5000.00 VA	X	1	100.00%	=	5000.00 VA
TOTAL					GENERAL LOADS	22114.00 VA
					FIRST 10KVA	10000.00 VA
					REMAINDER	12114.00 VA
					VA	100% 10000.00 VA
					VA	40% 4845.6 VA
CONDENSER	2520.00 VA	X	1	100.00%	=	2520.00 VA
FURNACE MOTOR	500.00 VA	X	1	100.00%	=	500.00 VA
TOTAL VA						17785.60 VA
TOTAL AMPS @ 240 V						74.44 AMPS

*LOAD CALCULATION PER SECTION 220.82 DWELLING UNIT



- NOTE:**
- AT GROUND FLOOR UNITS INSTALL PANEL WITH HIGHEST BREAKER AT 48" A.F.F.
 - CONFIRM RATING AND TYPE OF BREAKER FOR EACH CIRCUIT SERVING MECHANICAL ITEMS.
 - LABEL METERS WITH UNIT NUMBER SERVED.
 - SQUARE D HOM1224M100PC OR EQUAL WITH TANDEM BREAKERS SHOWN.

SERVICE			
Number of One Bed Units		1	
Number of Two Bed Units		3	
Total Units		4	
Demand factor		44%	
Unit Load	31345	VA	130.6 A
House Load	8877	VA	37.0 A
Total Load	40222	VA	167.6 A

UNIT ELECTRICAL PANEL SCHEDULE_{E1}

SCALE: N.T.S.

GENERAL INFORMATION

