



Paterson Habitat For Humanity
146 North 1st Street
Paterson, NJ 07522

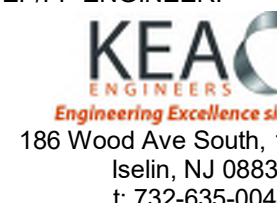
PROJECT NAME

**MIXED USE BUILDING
VFW HALL / RESIDENTIAL**
135 SUMMER STREET
PASSAIC NJ 07055

CHEN O'NEIL ARCHITECTS, PLLC

29 GANUNG DRIVE
OSSINING, NY 10562
646-812-5566

MEP/FP ENGINEER:



186 Wood Ave South, 1ST Floor
Iselin, NJ 08830
t: 732-635-0044

CIVIL ENGINEER:

Golden & Moran Engineering
22 Angelo Drive
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t: (973) 714-2131

STRUCTURAL ENGINEER:



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t: (973) 253-6183

APPLICANT:

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6	ISSUE FOR FILING	01/14/2022
4	75% CD SET	11/15/2021
3	DESIGN DEVELOPMENT	09/27/2021

ISSUE/REVISION	DATE
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DRAWING TITLE
FIRST FLOOR SLAB EDGE PLAN

DRAWING NO.

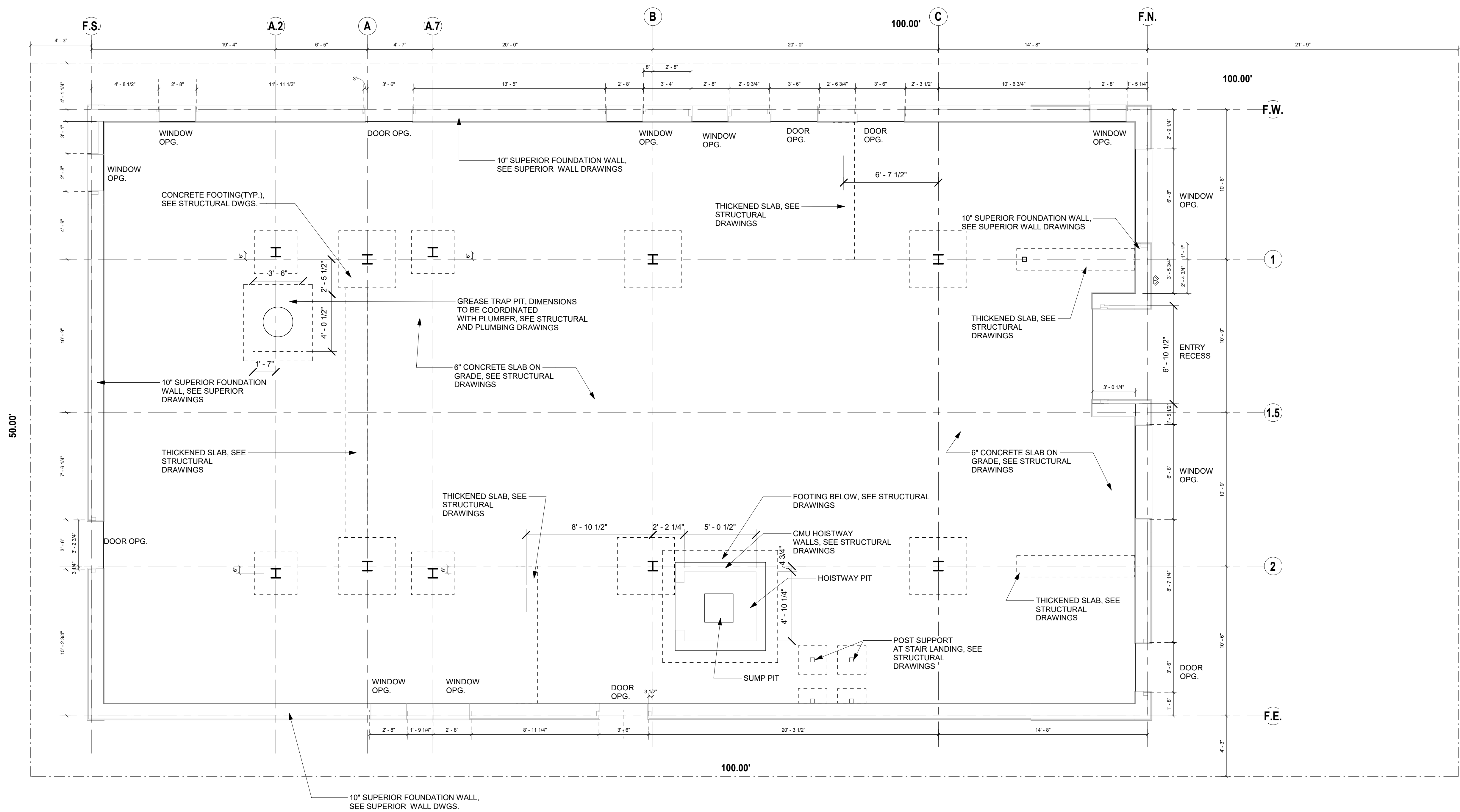
A-100

DATE: **01/14/22**
SCALE: **1/4" = 1'-0"**

STAMP & SIGNATURE



NJ LICENSE 20591



1 FIRST FLOOR SLAB EDGE DIMENSION PLAN
1/4" = 1'-0"

DRAWING FOR DIMENSIONAL INFORMATION ONLY:
SEE STRUCTURAL DRAWINGS AND SUPERIOR FOUNDATION
WALL DRAWINGS FOR ALL OTHER INFORMATION

GRIDLINE NOTES	
GRID 1.5	= CENTERLINE OF BUILDING
GRID F.N.	= OUTSIDE FACE OF CONCRETE AT NORTH FOUNDATION WALL
GRID F.S.	= OUTSIDE FACE OF CONCRETE AT SOUTH FOUNDATION WALL
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DRAWING TITLE

ROOF LAYOUT PLAN

DRAWING NO.

A-101

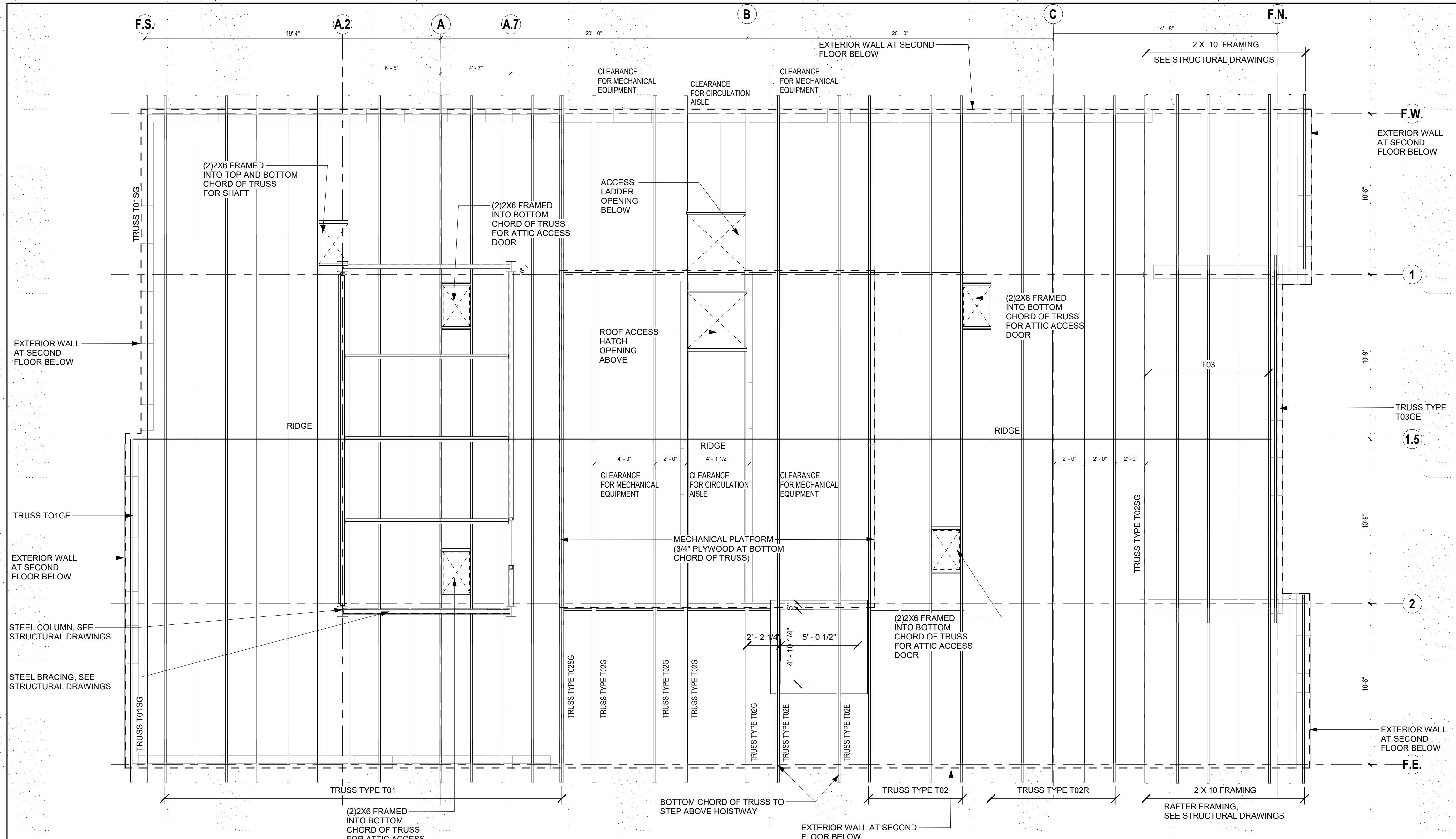
DATE: 01/14/22

SCALE: As indicated

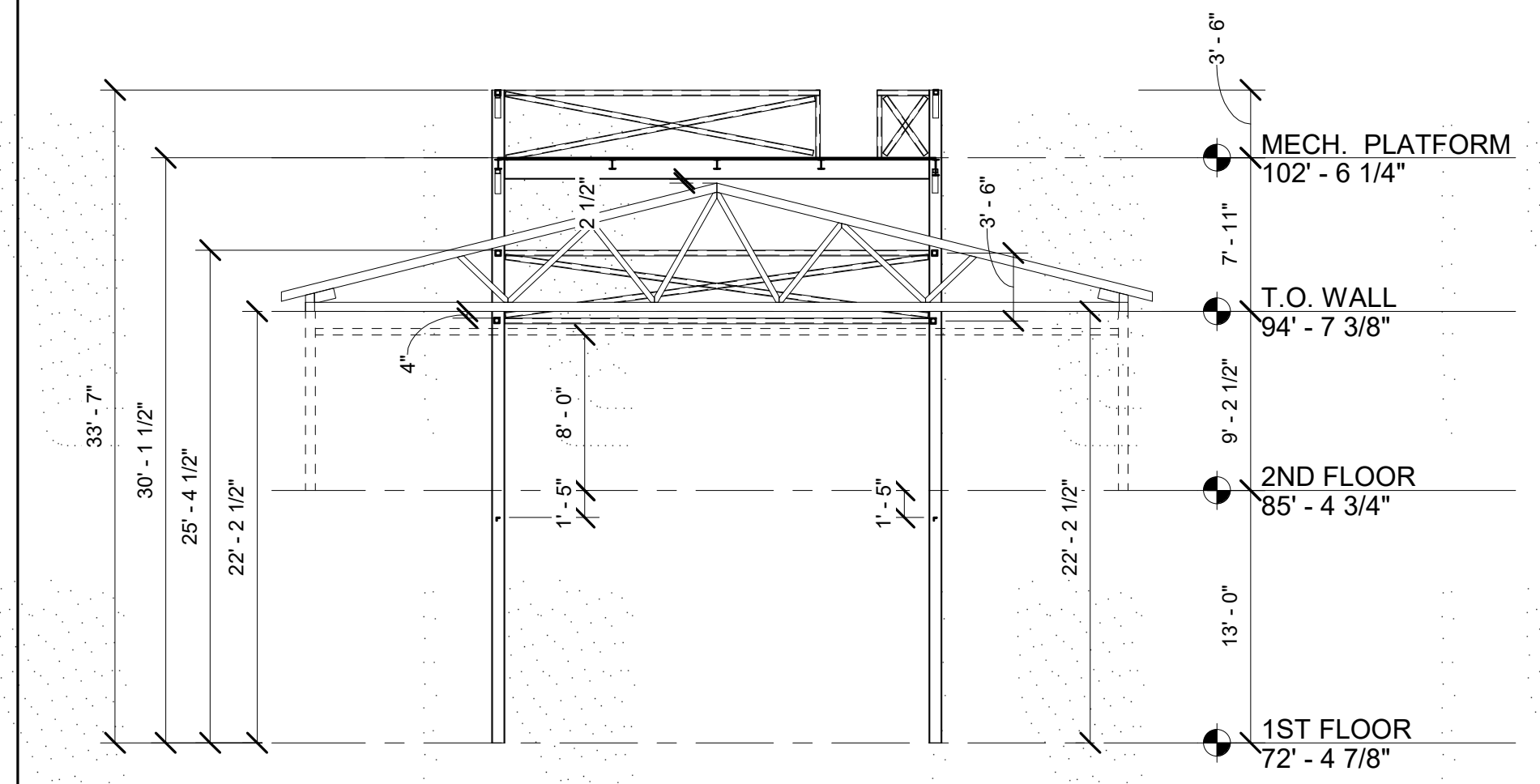
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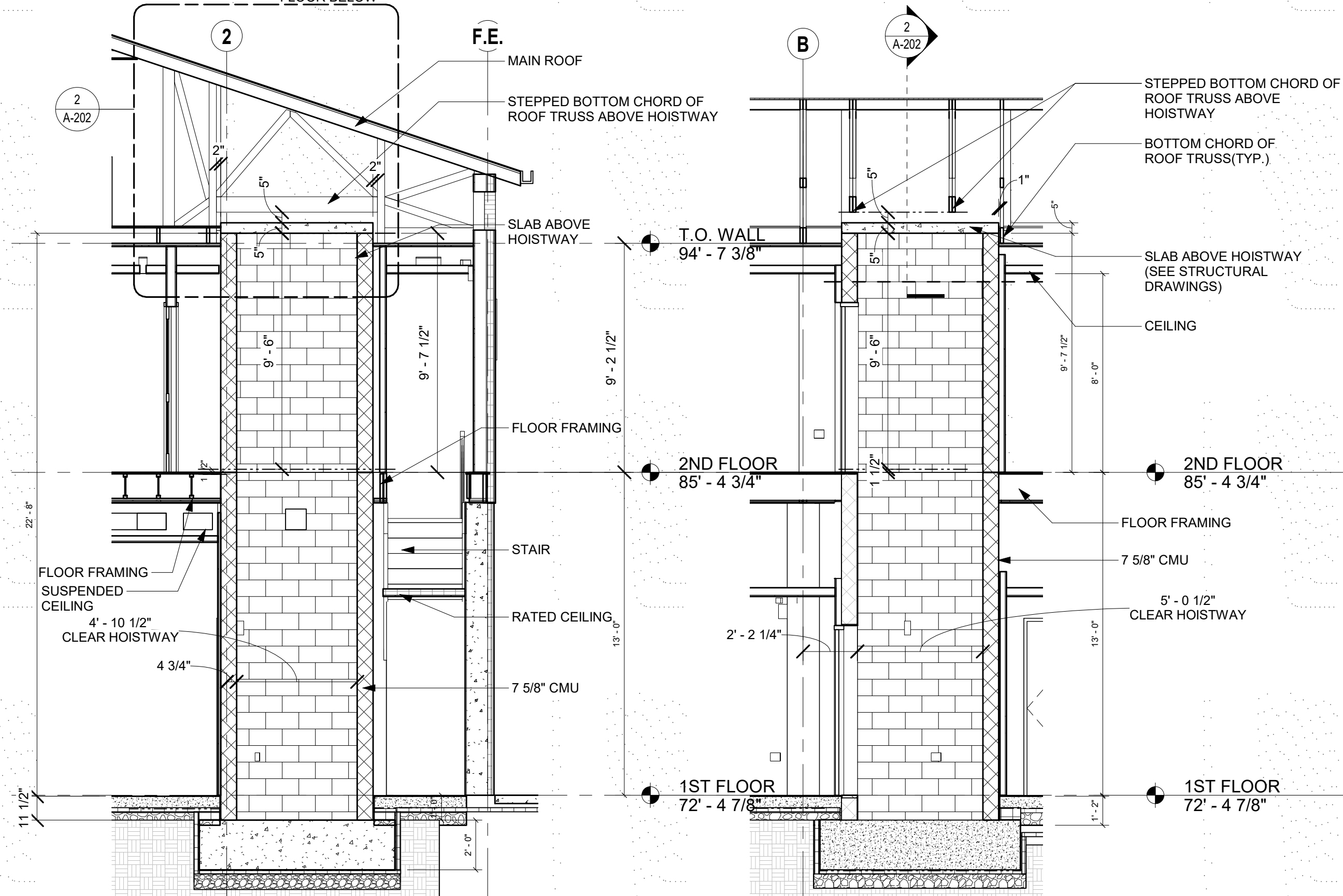
NJ LICENSE 20591



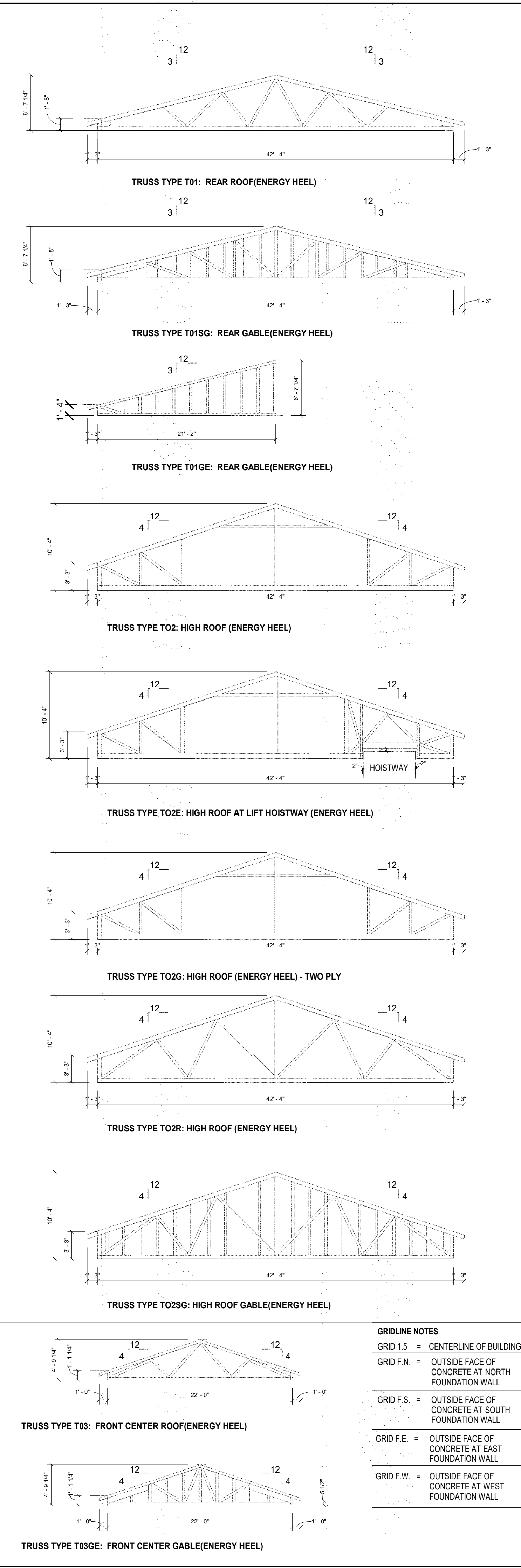
1 ROOF FRAMING PLAN
1/4" = 1'-0"
DRAWING FOR GENERAL LAYOUT INFORMATION ONLY.
SEE PDJ TRUSS DRAWINGS FOR ENGINEERING AND ALL OTHER INFORMATION



2 MECHANICAL PLATFORM SECTION
1/8" = 1'-0"
SEE STRUCTURAL DRAWINGS FOR STEEL SIZES AND CONNECTION DETAILS



3 LIFT HOISTWAY CROSS-SECTION 1/4" = 1'-0"
4 LIFT HOISTWAY SECTION 1/4" = 1'-0"



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2	SITE PLAN REV. 1	12/15/2020
1	SITE PLAN SUBMISSION	10/27/2020

ISSUE/REVISION DATE

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FIRST FLOOR
CONSTRUCTION PLAN

DRAWING NO.

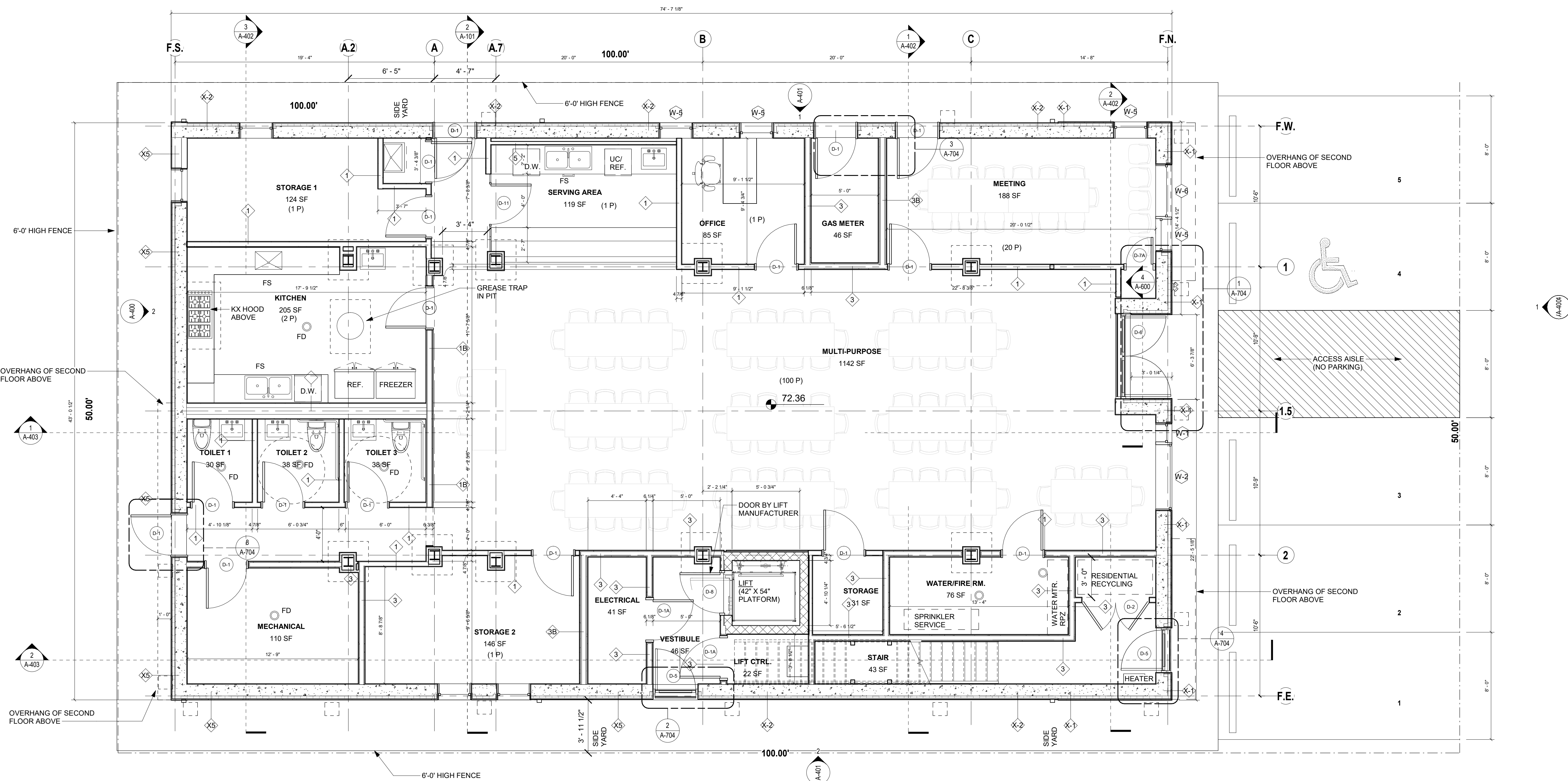
A-200

DATE: 01/14/22
SCALE: As indicated

STAMP & SIGNATURE



NJ LICENSE 20591



1 FIRST FLOOR CONSTRUCTION PLAN
1/4" = 1'-0"

SEE SITE PLAN FOR GRADING, PARKING AND ADDITIONAL SITE INFORMATION

INTERIOR FINISHES

803.1.1 Interior wall and ceiling finish materials tested in accordance with ASTM E84 or UL 723. Interior wall and ceiling finish materials shall be classified in accordance with ASTM E84 or UL 723. Such interior finish materials shall be grouped in the following classes in accordance with their flame spread and smoke-developed index.
Class A = Flame spread index 0-25; smoke-developed index 0-450.
Class B = Flame spread index 26-75; smoke-developed index 0-450.
Class C = Flame spread index 76-200; smoke-developed index 0-450.

803.1.3 Interior finish requirements based on occupancy. Interior wall and ceiling finish shall have a flame spread index not greater than that specified in Table 803.1.3 for the group and location designated. Interior wall and ceiling finish materials tested in accordance with NFPA 286 and meeting the acceptance criteria of Section 803.1.1.1, shall be permitted to be used where a Class A classification in accordance with ASTM E84 or UL 723 is required.

TABLE 803.1.3
INTERIOR WALL AND CEILING FINISH REQUIREMENTS BY OCCUPANCY*

GROUP	UNSPRINKLERED		SPRINKLERED	
	Interior wall and ceiling finish materials	Rooms and enclosed spaces	Interior wall and ceiling finish materials	Rooms and enclosed spaces
A.1 & A.2	B	C	A	B
B.2	C	C	B	C

*For NFPA 286, 1 inch = 25.4 mm, 1 square foot = 0.0929 m².
a. Class C interior finish materials shall be permitted for wainscoting or paneling of not more than 1,000 square feet of applied surface area in the grade lobby when applied directly to a noncombustible base or over fireproofing applied to a noncombustible base and finished in accordance with Section 803.1.1.1.
b. In other than Group I-3 occupancies in buildings less than three stories above grade plane, Class B interior finish for non-sprinklered buildings and Class C interior finish for sprinklered buildings shall be permitted in interior exit stairways and ramps.
c. Requirements for rooms and enclosed spaces shall be based on spaces enclosed by partitions. Where a fire-resistance rating is required for structural elements, the enclosing partitions shall extend through the floor to the ceiling. Partitions that do not comply with this shall be considered to be enclosing spaces and the rooms or spaces on both sides shall be considered to be one room or space. In determining the applicable requirements for walls and enclosed spaces, the specific occupancy listed shall be the governing factor regardless of the group classification of the building or structure.
d. Lobby areas in Group A-1, A-2 and A-3 occupancies shall be not less than Class B materials.
e. Class C interior finish materials shall be permitted in places of assembly with an occupant load of 500 persons or more.

804.1 Classification. Interior floor finish and floor covering materials required by Section 804.2 to be of Class I or II materials shall be classified in accordance with ASTM E648 or NFPA 253. The classification referred to herein corresponds to the classifications determined by ASTM E648 or NFPA 253 as follows: Class I, 0.45 watts/cm² or greater; Class II, 0.22 watts/cm² or greater.

804.2 Testing and identification. Interior floor finish and floor covering materials shall be tested by an agency in accordance with ASTM E648 or NFPA 253 and identified by a hang tag or other suitable method so as to identify the manufacturer or supplier and style, and shall indicate the interior floor finish or floor covering classification in accordance with Section 804.2. Carpet-type floor coverings shall be tested as proposed for use, including underlayment. Test reports confirming the information provided in the manufacturer's product identification shall be furnished to the building official upon request.

806.2 Combustible decorative materials. In Group A, draperies, fabric hangings and similar combustible decorative materials suspended from walls or ceilings shall comply with Section 806.4 and shall not exceed 10 percent of the specific wall or ceiling area to which such materials are attached.

806.7 Interior trim. Material, other than foam plastic used as interior trim, shall have a minimum Class C flame spread and smoke-developed index when tested in accordance with ASTM E84 or UL 723, as described in Section 803.1.2. Combustible trim, excluding handrails and guardrails, shall not exceed 10 percent of the specific wall or ceiling area to which it is attached.

806.8 Interior floor-wall base. Interior floor-wall base that is 6 inches or less in height shall be tested in accordance with Section 804.2 and shall be not less than Class I. Where a Class I floor finish is required, the floor-wall base shall be Class I.

807.1 Insulation. Thermal and acoustical insulation shall comply with Section 720.

808.1 Acoustical ceiling systems. The quality, design, fabrication and erection of metal suspension systems for acoustical tile and lay-in panel ceilings in buildings or structures shall conform to generally accepted engineering practice, the provisions of this chapter and other applicable requirements of the code.

808.1.1 Materials and installation. Acoustical materials complying with the interior finish requirements of Section 803 shall be installed in accordance with the manufacturer's recommendations and applicable provisions for applying interior finish.

808.1.1.1 Suspended acoustical ceilings. Suspended acoustical ceiling systems shall be installed in accordance with the provisions of ASTM C635 and ASTM C636.

808.1.1.2 Fire-resistance-rated construction. Acoustical ceiling systems that are part of fire-resistance-rated construction shall be installed in the same manner used in the assembly tested and shall comply with the provisions of Chapter 7.

FIRST FLOOR OCCUPANT LOAD PER TABLE 1004.5

ROOM	FUNCTION	OCCUPANT FACTOR	ROOM SIZE	NO. OF OCCUPANTS
MULTI-PURPOSE	ASSEMBLY (TABLES/CHAIRS)	15/SF	1,148 SF	100 OCC.
MEETING ROOM	BUSINESS	150/SF	189 SF	20 OCC.
OFFICE	BUSINESS	150/SF	86 SF	1 OCC.
BAR	KITCHEN	200/SF	207 SF	2 OCC.
STORAGE 1	STORAGE	300/SF	124 SF	1 OCC.
KITCHEN	KITCHEN	200/SF	120 SF	1 OCC.
STORAGE 2	STORAGE	300/SF	149 SF	1 OCC.
TOTAL				126 OCC.

PLUMBING FIXTURE CALCULATIONS PER TABLE 403.1

FIXTURE TYPES	OCCUPANCY	M		F		PROVIDED
		1	2	1	2	
WATER CLOSETS	ASSEMBLY (1 PER 50)	1	1	1	1	2 GENDER NEUTRAL
	BUSINESS LESS THAN 1,500 SF PER 7.21.4			1		1 GENDER NEUTRAL
LAVATORY	ASSEMBLY (1 PER 50)	1	1	1	1	2 GENDER NEUTRAL
	BUSINESS LESS THAN 1,500 SF PER 7.21.4	1	1	1	1	1 GENDER NEUTRAL
DRINKING FOUNTAIN	ASSEMBLY/BUSINESS	-	-	-	-	POTABLE WATER/SINK
UTILITY SINK	1 PER FLOOR	-	-	-	-	1 PER FLOOR

INTERIOR NOTES

1209.2.1 Floors and wall bases. In other than dwelling units, toilet, bathing and shower room floor finish materials shall have a smooth, hard, nonabsorbent surface. The intersections of such floors with walls shall have a smooth, hard, nonabsorbent vertical base that extends upward onto the walls not less than 4 inches.

1209.2.2 Walls and partitions. Walls and partitions within 2 feet of service sinks, urinals and water closets shall have a smooth, hard, nonabsorbent surface, to a height of not less than 4 feet above the floor, and except for structural elements, the materials used in such walls shall be of a type that is not adversely affected by moisture.

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RESIDENTIAL WINDOWS

1030.1 General. In addition to the means of egress required by this chapter, emergency escape and rescue openings shall be provided in the following occupancies:

- Group R-2 occupancies located in stories with only one exit or access to only one exit as permitted by Tables 1003.3.3(1) and 1003.3.3(2).
- Sleeping rooms below the fourth story above grade plane shall have not fewer than one exterior emergency escape and rescue opening in accordance with this section. Such openings shall open directly into a public way or to a yard or court that opens to a public way. Exception: Within individual dwelling and sleeping units in Groups R-2, where the building is equipped throughout with an automatic sprinkler system installed in accordance with Section 903.3.1.1.

1030.2 Minimum size. Emergency escape and rescue openings shall have a minimum net clear opening of 5.7 square feet.

1030.2.1 Minimum dimensions. The minimum net clear opening height dimension shall be 24 inches. The minimum net clear opening width dimension shall be 20 inches. The net clear opening dimensions shall be the result of normal operation of the opening.

1030.5 Bars, grilles, covers and screens. Bars, grilles, covers, screens or similar devices are permitted to be placed over emergency escape and rescue openings, bulkhead enclosures or window wells that serve such openings, provided that the minimum net clear opening size complies with Sections 1030.1.1 through 1030.4.2 and such devices shall be releasable or removable from the inside without the use of a key, tool or force greater than that which is required for normal operation of the emergency escape and rescue opening.

INDOOR ENVIRONMENT

Residential R-2

1202.2 Roof ventilation. Roof assemblies shall be ventilated in accordance with this section or shall comply with Section 1202.3.

1202.2.1 Ventilated attics and rafter spaces. Enclosed attics and enclosed rafter spaces formed where ceilings are applied directly to the underside of roof framing members shall have cross ventilation for each separate space by ventilation openings protected against the entrance of rain and snow. Blocking and bridging shall be arranged so as not to interfere with the movement of air. An airspace of not less than 1 inch shall be provided between the insulation and the roof sheathing. The net free ventilating area shall be not less than 1/150 of the area of the space ventilated. Ventilators shall be installed in accordance with manufacturer's installation instructions.

1202.2.2 Openings into attic. Exterior openings into the attic space of any building intended for human occupancy shall be protected to prevent the entry of birds, squirrels, rodents, snakes and other similar creatures. Openings for ventilation having a least dimension of not less than 1/16 inch and not more than 1/4 inch shall be permitted. Openings for ventilation having a least dimension larger than 1/4 inch shall be provided with corrosion-resistant wire cloth screening, hardware cloth, perforated vinyl or similar material with openings having a least dimension of not less than 1/16 inch and not more than 1/4 inch.

1202.5 Natural ventilation. Natural ventilation of an occupied space shall be through windows, doors, louvers or other openings to the outdoors. The operating mechanism for such openings shall be provided with ready access so that the openings are readily controllable by the building occupants.

1202.5.1 Ventilation area required. The openable area of the openings to the outdoors shall be not less than 4 per-cent of the floor area being ventilated.

1202.5.1.1 Adjoining spaces. Where rooms and spaces without openings to the outdoors are ventilated through an adjoining room, the opening to the adjoining room shall be unobstructed and shall have an area of not less than 8 percent of the floor area of the interior room or space, but not less than 25 square feet. The openable area of the openings to the outdoors shall be based on the total floor area being ventilated.

1202.5.2.1 Bathrooms. Rooms containing bathtubs, showers, spas and similar bathing fixtures shall be mechanically ventilated in accordance with the International Mechanical Code.

1204.1 General. Every space intended for human occupancy shall be provided with natural light by means of exterior glazed openings in accordance with Section 1204.2 or shall be provided with artificial light in accordance with Section 1204.3. Exterior glazed openings shall open directly onto a public way or onto a yard or court in accordance with Section 1205.

1204.2 Natural light. The minimum net glazed area shall be not less than 8 percent of the floor area of the room served.

1204.2.1 Adjoining spaces. For the purpose of natural lighting, any room is permitted to be considered as a portion of an adjoining room where one-half of the area of the common wall is open and unobstructed and provides an opening of not less than one-tenth of the floor area of the interior room or 25 square feet, whichever is greater.

1204.2.2 Exterior openings. Exterior openings required by Section 1204.2 for natural light shall open directly onto a public way, yard or court, as set forth in Section 1205.

1204.3 Artificial light. Artificial light shall be provided that is adequate to provide an average illumination of 10 foot candles (107 lux) over the area of the room at a height of 30 inches above the floor level.

1205.1 General. This section shall apply to yards and courts adjacent to exterior openings that provide natural light or ventilation. Such yards and courts shall be on the same lot as the building.

1205.2 Yards. Yards shall be not less than 3 feet in width for buildings two stories or less above grade plane. For buildings more than two stories above grade plane, the minimum width of the yard shall be increased at the rate of 1 foot for each additional story.

1206.2 Airborne sound. Walls, partitions and floor-ceiling assemblies separating dwelling units and sleeping units from each other or from public or service areas shall have a sound transmission class of not less than 50, or not less than 45 if field tested, for airborne noise where tested in accordance with ASTM E90. Alternatively, the sound transmission class of walls, partitions and floor-ceiling assemblies shall be established by engineering analysis based on a comparison of walls, partitions and floor-ceiling assemblies having sound transmission class ratings as determined by the test procedures set forth in ASTM E90. Penetrations or openings in construction assemblies for piping, electrical devices, recessed cabinets, bathtubs, soffits, or heating, ventilating or exhaust ducts shall be sealed, lined, insulated or otherwise treated to maintain the required ratings. This requirement shall not apply to entrance doors; however, such doors shall be tight fitting to the frame and sill.

1206.3 Structure-borne sound. Floor-ceiling assemblies between dwelling units and sleeping units or between a dwelling unit or sleeping unit and a public or service area within the structure shall have an impact insulation class rating of not less than 50, or not less than 45 if field tested, where tested in accordance with ASTM E492. Alternatively, the impact insulation class of floor-ceiling assemblies shall be established by engineering analysis based on a comparison of floor-ceiling assemblies having impact insulation class ratings as determined by the test procedures in ASTM E492.

1207.1 Minimum room widths. Habitable spaces, other than a kitchen, shall be not less than 7 feet in any plan dimension. Kitchens shall have a clear passageway of not less than 3 feet between counter fronts and appliances or counter fronts and walls.

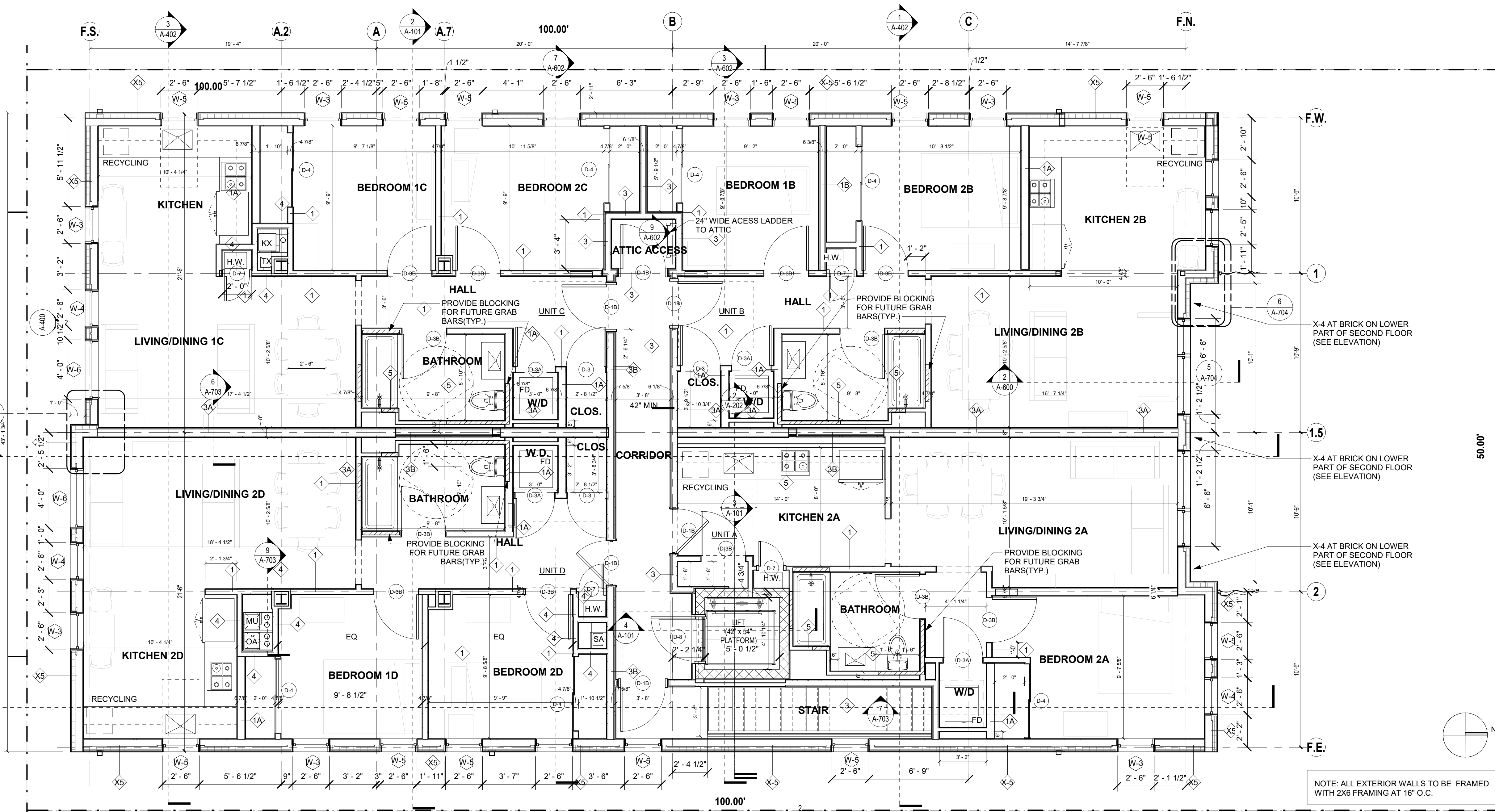
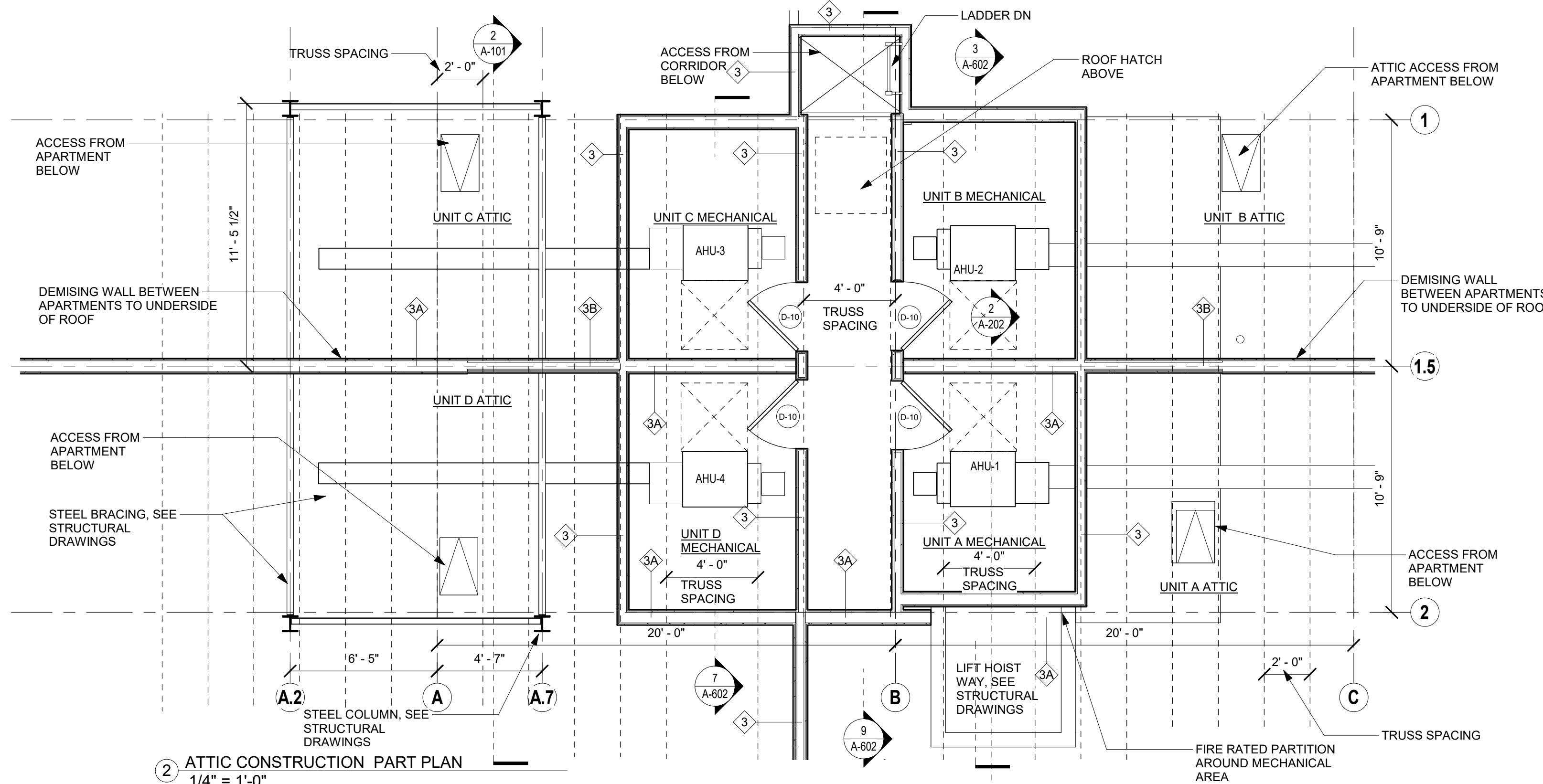
1207.2 Minimum ceiling heights. Occupiable spaces, habitable spaces and corridors shall have a ceiling height of not less than 7 feet above the finished floor. Bathrooms, toilet rooms, kitchens, storage rooms and laundry rooms shall have a ceiling height of not less than 7 feet above the finished floor.

1207.3 Room area. Every dwelling unit shall have not less than one room that shall have not less than 120 square feet of net floor area. Other habitable rooms shall have a net floor area of not less than 70 square feet.

1208.2 Attic spaces. An opening not less than 20 inches by 30 inches shall be provided to any attic area having a clear height of 30 inches. Clear headroom of not less than 30 inches shall be provided in the attic space at or above the access opening.

1209.2.3 Showers. Shower compartments and walls above bathtubs with installed shower heads shall be finished with a smooth, nonabsorbent surface to a height not less than 72 inches above the drain inlet.

1209.2.4 Waterproof joints. Built-in tubs with showers shall have waterproof joints between the tub and adjacent wall.



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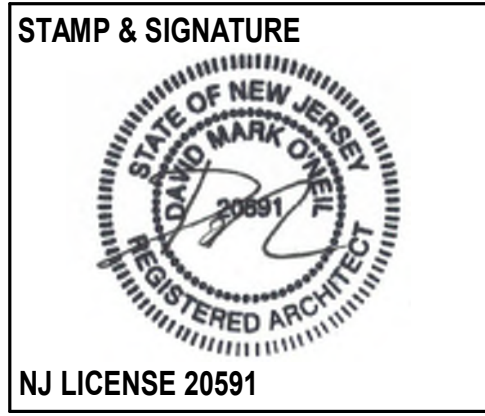
DRAWING TITLE

SECOND FLOOR AND ATTIC CONSTRUCTION PLANS

DRAWING NO.

A-201

DATE: 01/14/22
SCALE: As indicated



NOTE: ALL EXTERIOR WALLS TO BE FRAMED WITH 2X6 FRAMING AT 16" O.C.

ROOFS

1502.4 Gutters. Gutters and leaders placed on the outside of buildings, other than Group R-3, private garages and build- ings of Type V construction, shall be of noncombustible material or not less than Schedule 40 plastic pipe

1503.2 Flashing. Flashing shall be installed in such a manner so as to prevent water from entering the wall and roof through joints in copings, through moisture-permeable materials and at intersections with parapet walls and other penetrations through the roof plane.

1503.2.1 Locations. Flashing shall be installed at wall and roof intersections, at gutters, wherever there is a change in roof slope or direction and around roof openings. Where flashing is of metal, the metal shall be corrosion resistant with a thickness of not less than 0.019 inch) (No. 26 galvanized sheet).

1503.4 Attic and rafter ventilation. Intake and exhaust vents shall be provided in accordance with Section 1202.2 and the vent product manufacturer's installation instructions.

1503.5 Crickets and saddles. A cricket or saddle shall be installed on the ridge side of any chimney or penetration greater than 30 inches wide as measured perpendicular to the slope. Cricket or saddle coverings shall be sheet metal or of the same material as the roof covering

1504.1.1 Wind resistance of asphalt shingles. Asphalt shingles shall be tested in accordance with ASTM D7158. Asphalt shingles shall meet the classification requirements of Table 1504.1.1 for the appropriate maximum basic wind speed. Asphalt shingle packaging shall bear a label to indicate compliance with ASTM D7158 and the required classification in Table 1504.1.1.

TABLE 1504.1.1

CLASSIFICATION OF STEEP SLOPE ROOF SHINGLES TESTED IN ACCORDANCE WITH ASTM D316 OR D71581

1505.2 Class A roof assemblies. Class A roof assemblies are those that are effective against severe fire test exposure. Class A roof assemblies and roof coverings shall be listed and identified as Class A by an approved testing agency. Class A roof assemblies shall be permitted for use in buildings or structures of all types of construction.

[BF] 1505.3 Class B roof assemblies. Class B roof assemblies are those that are effective against moderate fire-test exposure. Class B roof assemblies and roof coverings shall be listed and identified as Class B by an approved testing agency.

1505.4 Class C roof assemblies. Class C roof assemblies are those that are effective against light fire-test expo- sure. Class C roof assemblies and roof coverings shall be listed and identified as Class C by an approved testing agency.

1507.1.1 Underlayment. Underlayment for asphalt shingles, clay and concrete tile, metal roof shingles, mineral- surfaced roll roofing, slate and slate-type shingles, wood shingles, wood shakes, metal roof panels and photovoltaic shingles shall conform to the applicable standards listed in this chapter. Underlayment materials required to comply with ASTM D226, D1970, D4869 and D6757 shall bear a label indicating compliance with the standard designation and, if applicable, type classification indicated in Table 1507.1.1(1). Underlayment shall be applied in accordance with Table 1507.1.1(2). Underlayment shall be attached in accordance with Table 1507.1.1(3).

- As an alternative, self-adhering polymer modified bitumen underlayment complying with ASTM D1970 and installed in accordance with the manufacturer's installation instructions for the deck material, roof ventilation configuration and climate exposure for the roof covering to be installed shall be permitted.
- As an alternative, a minimum 4-inch-wide strip of self-adhering polymer modified bitumen membrane complying with ASTM D1970 and installed in accordance with the manufacturer's installation instructions for the deck material shall be applied over all joints in the roof decking. An approved underlayment for the applicable roof covering for design wind speeds less than 120 mph shall be applied over the 4-inch-wide membrane strips. As an alternative, two layers of underlayment complying with ASTM D226 Type II or ASTM D4869 Type IV shall be permitted to be installed as follows: Apply a 19-inch strip of underlayment parallel with the eave. Starting at the eave, apply 36-inch-wide strips of underlayment felt, overlapping successive sheets 19 inches. The underlayment shall be attached with corrosion-resistant fasteners in a grid pattern of 12 inches between side laps with a 6-inch spacing at side and end laps. End be attached using metal or plastic cap nails with a nominal cap diameter of not less than 1 inch. Metal caps shall have a thickness of not less than 32-gage sheet metal. Power-driven metal caps shall have a thickness of not less than 0.10 inch. Thickness of the outside edge of plastic caps shall be not less than 0.035 inch. The cap nail shank shall be not less than 0.083 inch for ring shank cap nails and 0.091 inch for smooth shank cap nails. The cap nail shank shall have a length sufficient to penetrate through the roof sheathing or not less than 3/4 inch into the roof sheathing

1507.1.2 Ice barriers. In areas where the average daily temperature in January is 25°F (-4°C) or less, an ice barrier shall be installed for asphalt shingles, metal roof shingles, mineral-surfaced roll roofing, slate and slate-type shingles, wood shingles, and wood shakes. The ice barrier shall consist of not less than two layers of underlayment cemented together, or a self-adhering polymer modified bitumen sheet shall be used in place of normal underlayment and extend from the lowest edges of all roof surfaces to a point not less than 24 inches (610 mm) inside the exterior wall line of the building.

1507.2 Asphalt shingles. The installation of asphalt shingles shall comply with the provisions of this section.
1507.2.1 Deck requirements. Asphalt shingles shall be fastened to solidly sheathed decks.

1507.2.2 Slope. Asphalt shingles shall only be used on roof slopes of two units vertical in 12 units horizontal (17-percent slope) or greater. For roof slopes from two units vertical in 12 units horizontal (17-percent slope) up to four units vertical in 12 units horizontal (33-percent slope), double underlayment application is required in accordance with Section 1507.2.8.
1507.2.3 Underlayment. Underlayment shall comply with Section 1507.1.1.
1507.2.4 Asphalt shingles. Asphalt shingles shall comply with ASTM D3462.

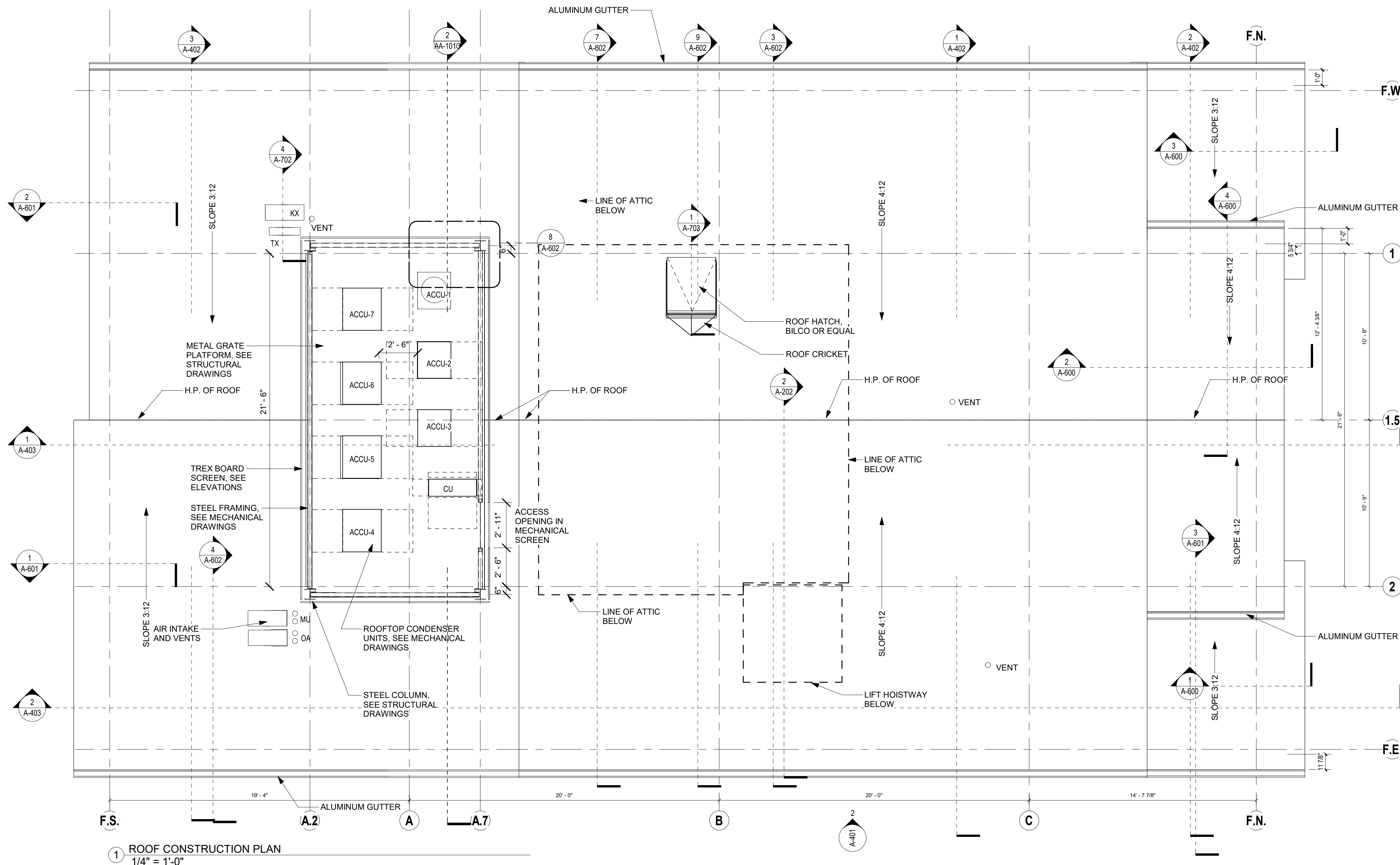
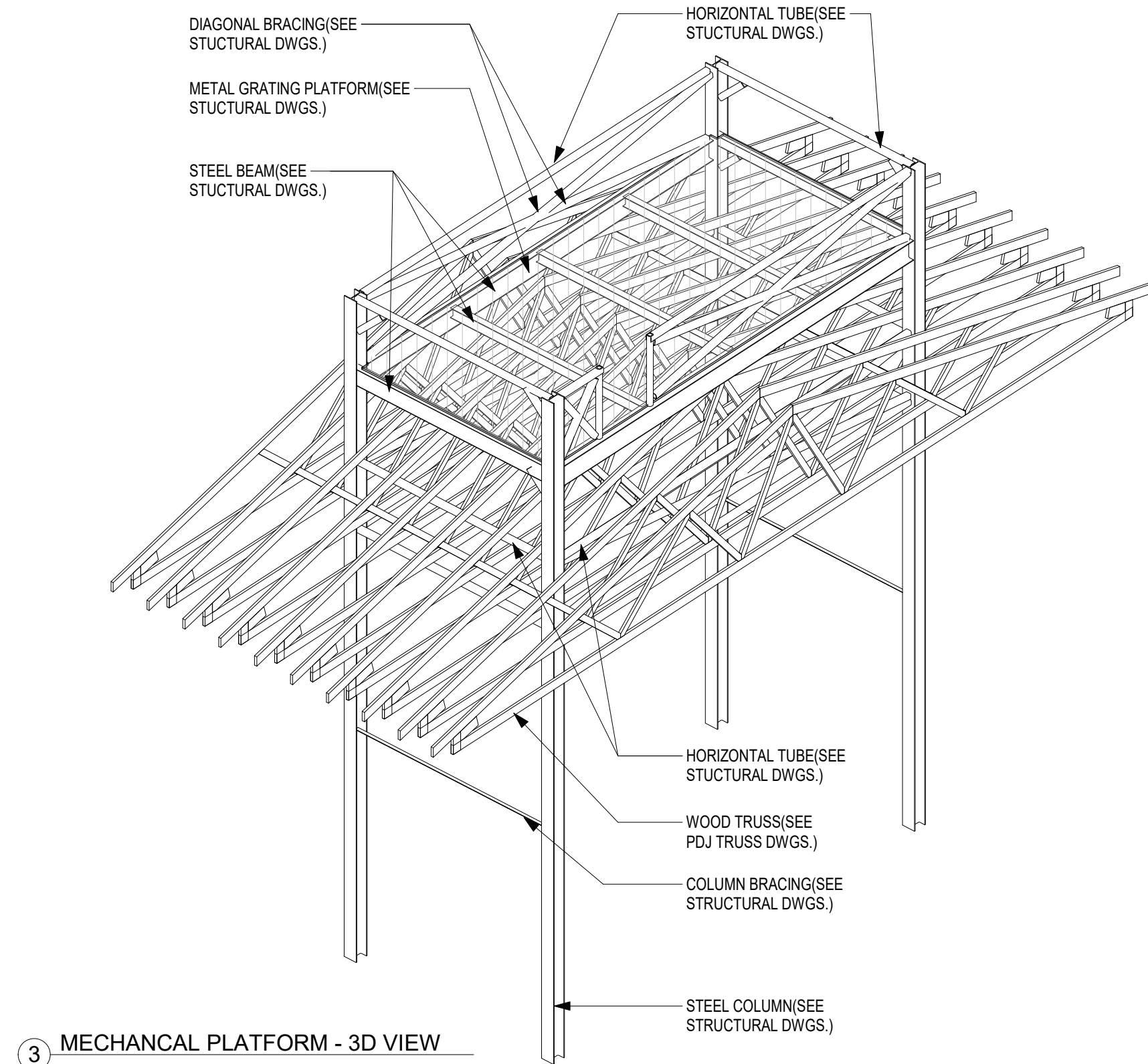
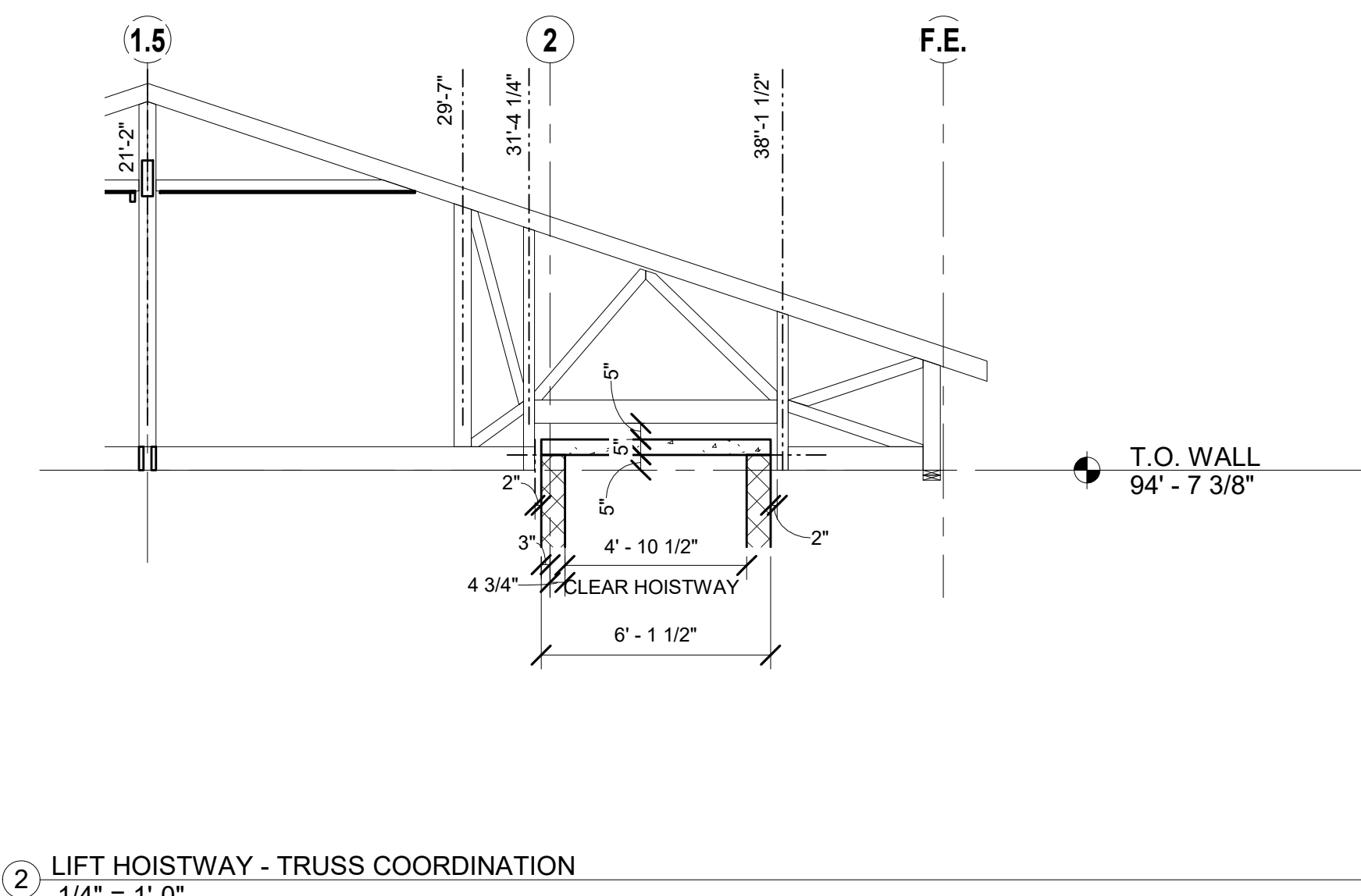
1507.2.5 Fasteners. Fasteners for asphalt shingles shall be galvanized, stainless steel, aluminum or copper roofing nails, minimum 12-gage [0.105 inch shank with a minimum 3/8-inch-diameter head, of a length to penetrate through the roofing materials and not less than 3/4 inch into the roof sheathing. Where the roof sheathing is less than 3/4 inch thick, the nails shall penetrate through the sheathing. Fasteners shall comply with ASTM F1667.

1507.2.6 Attachment. Asphalt shingles shall have the minimum number of fasteners required by the manufacturer, but not less than four fasteners per strip shingle or two fasteners per individual shingle.

1507.2.8 Flashings. Flashing for asphalt shingles shall comply with this section. Flashing shall be applied in accordance with this section and the asphalt shingle manufacturer's printed instructions.

1507.2.8.1 Base and cap flashing. Base and cap flashing shall be installed in accordance with the manufacturer's instructions. Base flashing shall be of either corrosion-resistant metal of minimum nominal 0.019-inch thickness or mineral-surfaced roll roofing weighing not less than 77 pounds per 100 square feet (3.76 kg/m²). Cap flashing shall be corrosion-resistant metal of minimum nominal 0.019-inch thickness.

1507.2.8.2 Valleys. Valley linings shall be installed in accordance with the manufacturer's instructions before applying shingles. Valley linings of the following types shall be permitted:
1. For open valleys (valley lining exposed) lined with metal, the valley lining shall be not less than 24 inches (610 mm) wide and of any of the corrosion-resistant metals in Table 1507.2.8.2.
2. For open valleys, valley lining of two plies of mineral-surfaced roll roofing complying with ASTM D3909 or ASTM D6380 shall be permit- ted. The bottom layer shall be 18 inches and the top layer not less than 36 inches wide.
3. For closed valleys (valleys covered with shingles), valley lining of one ply of smooth roll roofing complying with ASTM D6380, and not less than 36 inches (914 mm) wide or types as described in Item 1 or 2 above shall be permitted. Self-adhering polymer modified bitumen underlayment bearing a label indicating compliance with ASTM D1970 shall be permitted in lieu of the lining material.



GRIDLINE NOTES	
GRID 1.5	= CENTERLINE OF BUILDING
GRID F.N.	= OUTSIDE FACE OF CONCRETE AT NORTH FOUNDATION WALL
GRID F.S.	= OUTSIDE FACE OF CONCRETE AT SOUTH FOUNDATION WALL
GRID F.E.	= OUTSIDE FACE OF CONCRETE AT EAST FOUNDATION WALL
GRID F.W.	= OUTSIDE FACE OF CONCRETE AT WEST FOUNDATION WALL

ISSUE/REVISION	DATE
6 ISSUE FOR FILING	01/14/2022
5 90% CD SET	12/1/2021
4 75% CD SET	11/15/2021
3 DESIGN DEVELOPMENT	09/27/2021
2 SITE PLAN REV. 1	12/15/2020
1 SITE PLAN SUBMISSION	10/27/2020

DRAWING TITLE
ROOF CONSTRUCTION PLAN

DRAWING NO.
A-202

DATE: 01/14/22
SCALE: As indicated

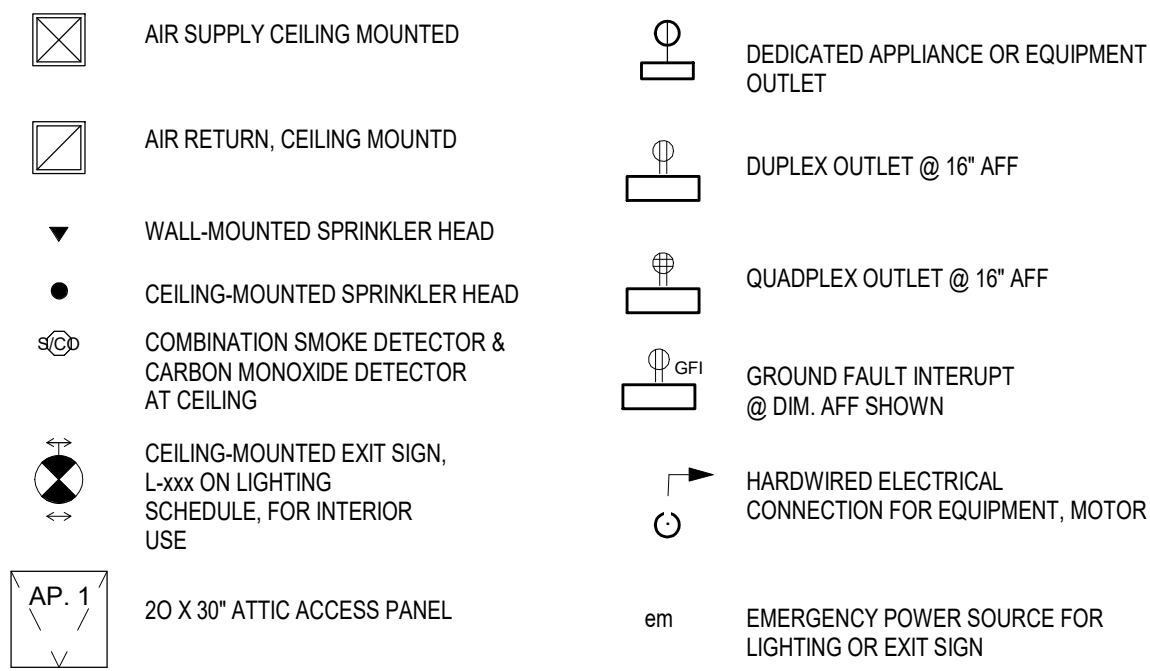
STAMP & SIGNATURE

REGISTERED ARCHITECT
NJ LICENSE 20591

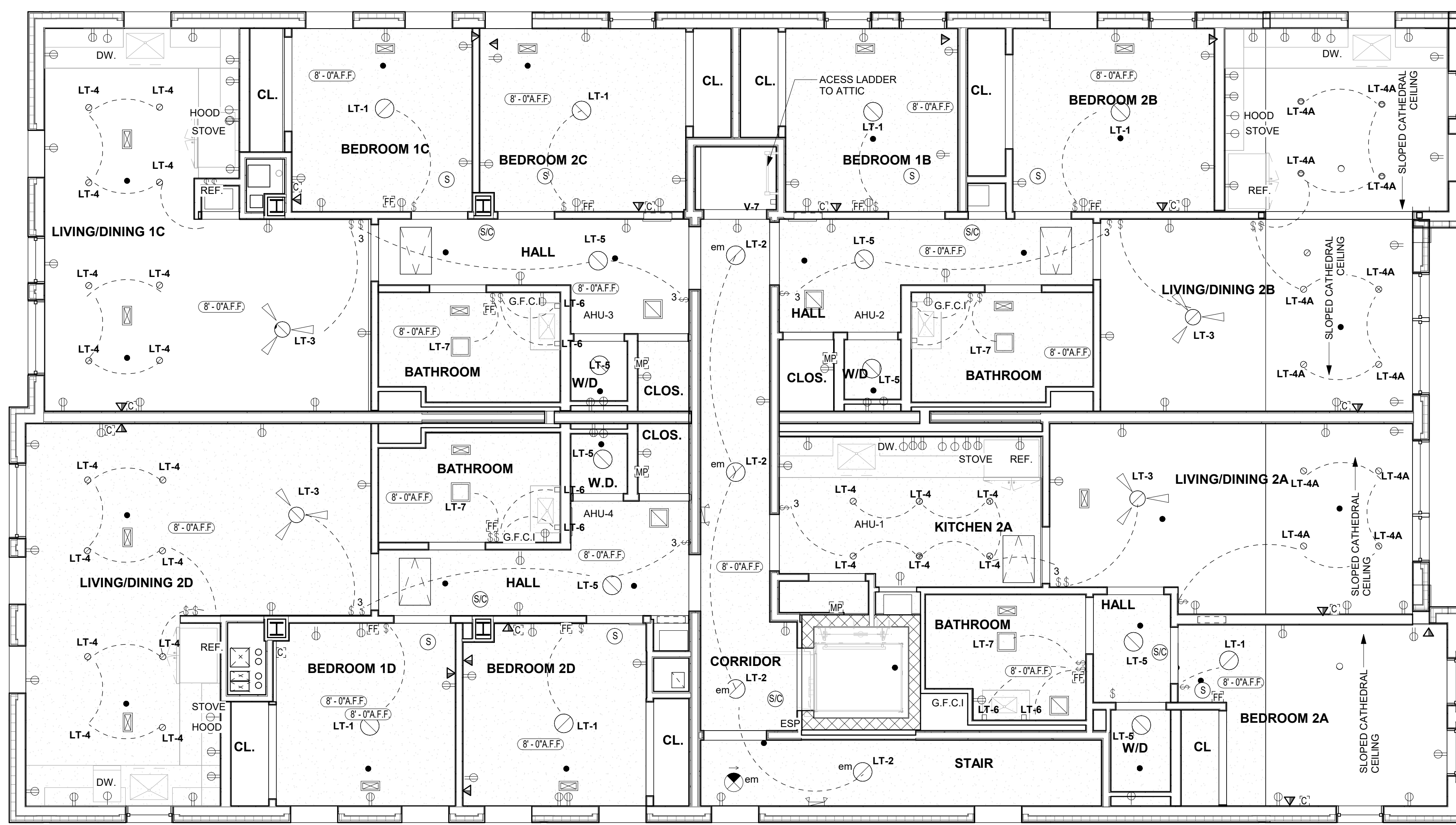
RESIDENTIAL LIGHT FIXTURE TYPES			
FIXTURE TYPE	DESCRIPTION	MANUFACTURER	MODEL
LT-1	CEILING MOUNTED LED LIGHT FIXTURE - BEDROOM	SEE ELECTRICAL SPECS.	
LT-2	CEILING MOUNTED LED AT RESIDENTIAL CORRIDOR(BATTERY BACK-UP)	TECH LIGHTING	CIRQUE LARGE FLUSH MOUNT (BRUSHED NICKEL)
LT-3	LIGHT/FAN DINING ROOM	HUNTER	48" AVIA LOW PROFILE LED(BRUSHED NICKEL)
LT-4	RECESSED LED DOWNLIGHT	COOPER LIGHTING	HALO PR4 (WHITE TRIM)
LT-4A	RECESSED LED DOWNLIGHT	COOPER LIGHTING	PORTFOLIO LDA4A 4L (WHITE TRIM)
LT-5	CEILING MOUNTED LED LIGHT FIXTURE	TECH LIGHTING	CIRQUE LARGE (SATIN NICKEL)
LT-6	BATHROOM WALL MOUNTED SCONCE	TECH LIGHTING	KICHLER LIGHTING 45495-CROSBY (BRUSHED NICKEL)
LT-7	BATHROOM EXHAUST FAN/CEILING LIGHT		PANASONIC

SEE ELECTRICAL DRAWINGS FOR LIGHTING CONTROLS, LAMPING, AND POWER CIRCUITING

RCP LEGEND



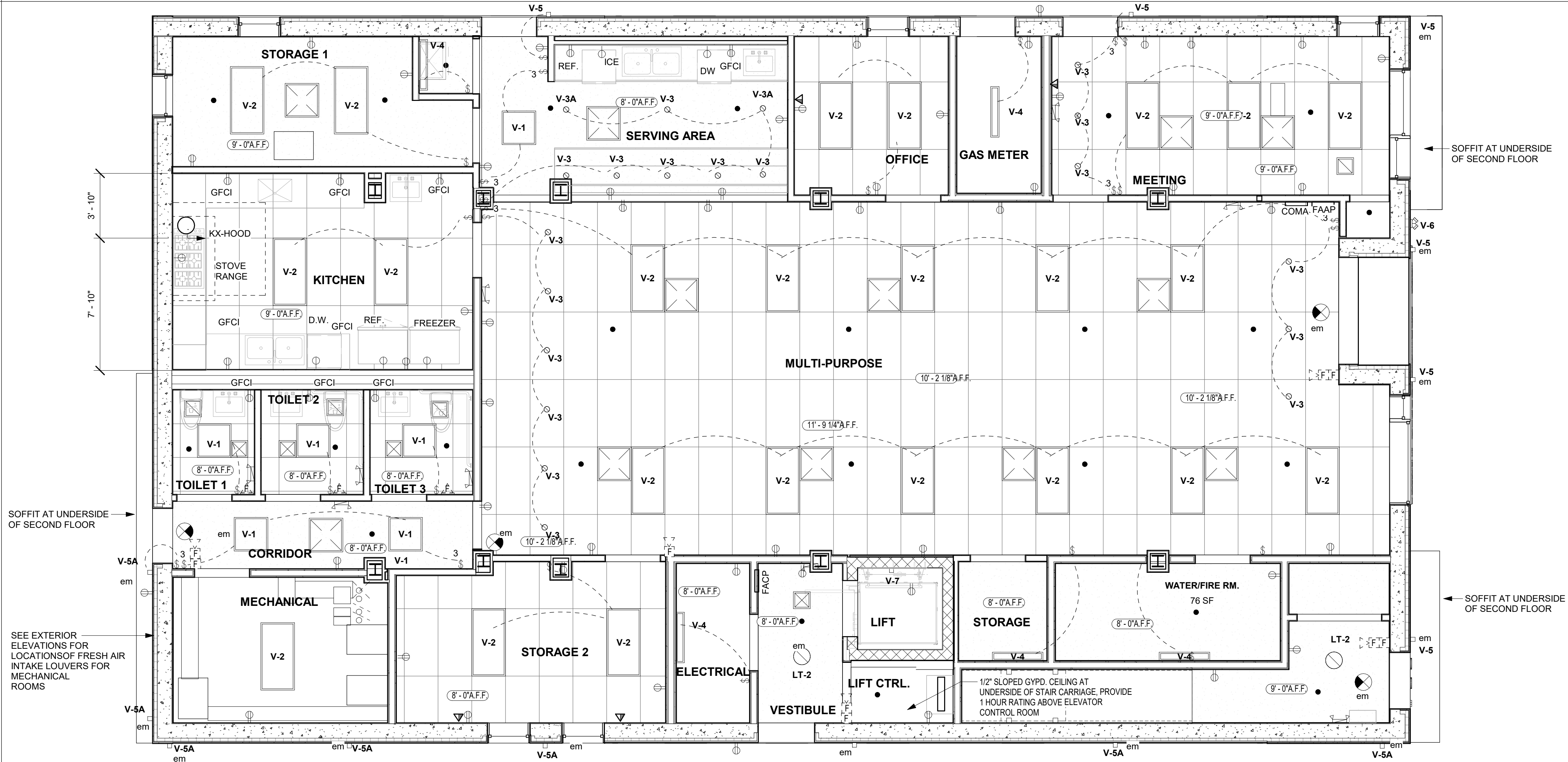
ALL FIXTURES TO BE INSTALLED IN COMPLIANCE WITH 2018 ENERGY CODE, NJ EDITION.



2 SECOND FLOOR RELECTED CEILING PLAN
1/4" = 1'-0"

VFW LIGHT FIXTURE TYPES			
FIXTURE	DESCRIPTION	MANUFACTURER	MODEL
V-1	SURFACE MTD 2 X 2 LED FIXTUR	COOPER LIGHTING	METALUX 22FP LED
V-2	SURFACE MTD 2 X 4 LED FIXTURE	COOPER LIGHTING	METALUX 24FP LED
V-3	SURFACE MOUNTED 4" DIA LED FIXTURE	COOPER LIGHTING	HALO MD4 SERIES
V-3A	SURFACE MOUNTED 4" DIA LED FIXTURE(BATTERY BACK-UP)	COOPER LIGHTING	HALO SMD4 SERIES
V-4	WALL MOUNTED LED LIGHT FIXTURE(STORAGE)	COOPER LIGHTING	METALUX MC
V-5	EXTERIOR WALL MOUNTED LED FIXTURE	LUCIFER LIGHTING	SQUILINDER(B LACK)
V-5A	EXTERIOR WALL MOUNTED LED FIXTURE(BATTERY BACK-UP)	LUCIFER LIGHTING	SQUILINDER(B LACK)
V-6	EXTERIOR WALL MOUNTED LED FIXTURE(FLAG SPOTLIGHT)	COOPER LIGHTING	INVUE VFS
V-7	BATHROOM EXHAUST FAN/CEILING LIGHT	ELCAST	CVT-701 WM

SEE ELECTRICAL DRAWINGS FOR LIGHTING CONTROLS, LAMPING, AND POWER CIRCUITING



1 FIRST FLOOR REFLECTED CEILING PLAN
1/4" = 1'-0"



PROJECT NAME
**MIXED USE BUILDING
VFW HALL / RESIDENTIAL
135 SUMMER STREET
PASSAIC NJ 07055**

CHEN O'NEIL ARCHITECTS, PLLC
29 GANUNG DRIVE
OSSINING, NY 10562
646-812-5566

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STRUCTURAL ENGINEER:
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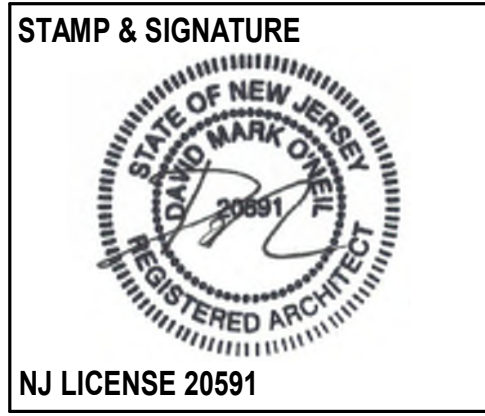
APPLICANT:
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Paterson, NJ 07522
t: (973) 595-6868

ISSUE/REVISION	DATE
6	ISSUE FOR FILING 01/14/2022
5	90% CD SET 12/1/2021
4	75% CD SET 11/15/2021
3	DESIGN DEVELOPMENT 09/27/2021
1	SITE PLAN SUBMISSION 10/27/2020

DRAWING TITLE
**1ST AND 2ND FLOOR
REFLECTED CEILING
PLANS**

DRAWING NO.
A-300

DATE: 01/14/22
SCALE: 1/4" = 1'-0"



EXTERIOR WALLS

1402.2 Weather protection. Exterior walls shall provide the building with a weather-resistant exterior wall envelope. The exterior wall envelope shall include flashing, as described in Section 1404.4. The exterior wall envelope shall be designed and constructed in such a manner as to prevent the accumulation of water within the wall assembly by providing a water-resistive barrier behind the exterior veneer, as described in Section 1403.2, and a means for draining water that enters the assembly to the exterior. Protection against condensation in the exterior wall assembly shall be provided in accordance with Section 1404.3.

1402.3 Structural. Exterior walls, and the associated openings, shall be designed and constructed to resist safely the superimposed loads required by Chapter 16.

1402.3 Structural. Exterior walls, and the associated openings, shall be designed and constructed to resist safely the superimposed loads required by Chapter 16.

1403.2 Water-resistive barrier. Not fewer than one layer of No. 15 asphalt felt, complying with ASTM D226 for Type 1 felt or other approved materials, shall be attached to the studs or sheathing, with flashing as described in Section 1404.4, in such a manner as to provide a continuous water-resistive barrier behind the exterior wall veneer.

1403.4 Masonry. Exterior walls of masonry construction shall be designed and constructed in accordance with this section and Chapter 21. Masonry units, mortar and metal accessories used in anchored and adhered veneer shall meet the physical requirements of Chapter 21. The backing of anchored and adhered veneer shall be of concrete, masonry, steel framing or wood framing. Continuous insulation meeting the applicable requirements of this code shall be permitted between the backing and the masonry veneer.

1403.5.1 Aluminum siding. Aluminum siding shall conform to the requirements of AAMA 1402.

1403.9 Vinyl siding. Vinyl siding shall be certified and labeled as conforming to the requirements of ASTM D3679 by an approved quality control agency.

1403.10 Fiber-cement siding. Fiber-cement siding shall conform to the requirements of ASTM C1186, Type A (or ISO 8336, Category A), and shall be so identified on labeling listing an approved quality control agency.

1403.11 Exterior insulation and finish systems. Exterior insulation and finish systems (EIFS) and exterior insulation and finish systems (EIFS) with drainage shall comply with Section 1407.

1404.4 Flashing. Flashing shall be installed in such a manner so as to prevent moisture from entering the wall or to redirect that moisture to the exterior. Flashing shall be installed at the perimeters of exterior door and window assemblies, penetrations and terminations of exterior wall assemblies, exterior wall intersections with roofs, chimneys, porches, decks, balconies and similar projections and at built-in gutters and similar locations where moisture could enter the wall. Flashing with projecting flanges shall be installed on both sides and the ends of copings, under sills and continuously above projecting trim. Where self-adhered membranes are used as flashings of fenestration in wall assemblies, those self-adhered flashings shall comply with AAMA 711. Where fluid applied membranes are used as flashings for exterior wall openings, those fluid applied membrane flashings shall comply with AAMA 714.

1404.4.2 Masonry. Flashing and weep holes in anchored veneer designed in accordance with Section 1404.6 shall be located not more than 10 inches (254 mm) above finished ground level above the foundation wall or slab. At other points of support including structural floors, shelf angles and lintels, flashing and weep holes shall be located in the first course of masonry above the support.

1404.13 Exterior windows and doors. Windows and doors installed in exterior walls shall conform to the testing and performance requirements of Section 1709.5 Installation. Windows and doors shall be installed in accordance with approved manufacturer's instructions. Fastener size and spacing shall be provided in such instructions and shall be calculated based on maximum loads and spacing used in the tests.

1404.14 Vinyl siding. Vinyl siding conforming to the requirements of this section and complying with ASTM D3679. Vinyl siding shall be secured to the building so as to provide weather protection for the exterior walls of the building. Application. The siding shall be applied over sheathing or materials listed in Section 2304.6. Siding shall be applied to conform to the water-resistive barrier requirements in Section 1402. Siding and accessories shall be installed in accordance with approved manufacturer's instructions. Unless otherwise specified in the approved manufacturer's instructions, nails used to fasten the siding and accessories shall have a minimum 0.313-inch head diameter and 1/8-inch shank diameter.

1404.15 Cement plaster. Cement plaster applied to exterior walls shall conform to the requirements specified in Chapter 25.

1404.16 Fiber-cement siding. Fiber-cement siding complying with Section 1403.10 shall be permitted on exterior walls of Type V construction for wind pressure resistance or wind speed exposures as indicated by the manufacturer's listing and label and approved installation instructions. Where specified, the siding shall be installed over sheathing or materials listed in Section 2304.6 and shall be installed to conform to the water-resistive barrier requirements in Section 1402. Siding and accessories shall be installed in accordance with approved manufacturer's instructions. Unless otherwise specified in the approved manufacturer's instructions, nails used to fasten the siding to wood studs shall be corrosion-resistant round head smooth shank and shall be long enough to penetrate the studs not less than 1 inch. For cold-formed steel light-frame construction, corrosion-resistant fasteners shall be used. Screw fasteners shall penetrate the cold-formed steel framing not fewer than three exposed full threads. Other fasteners shall be installed in accordance with the approved construction documents and manufacturer's instructions.

1405.1.1.1 Fire separation 5 feet or less. Where installed on exterior walls having a fire separation distance of 5 feet or less, combustible exterior wall coverings shall not exhibit sustained flaming as defined in NFPA 268.

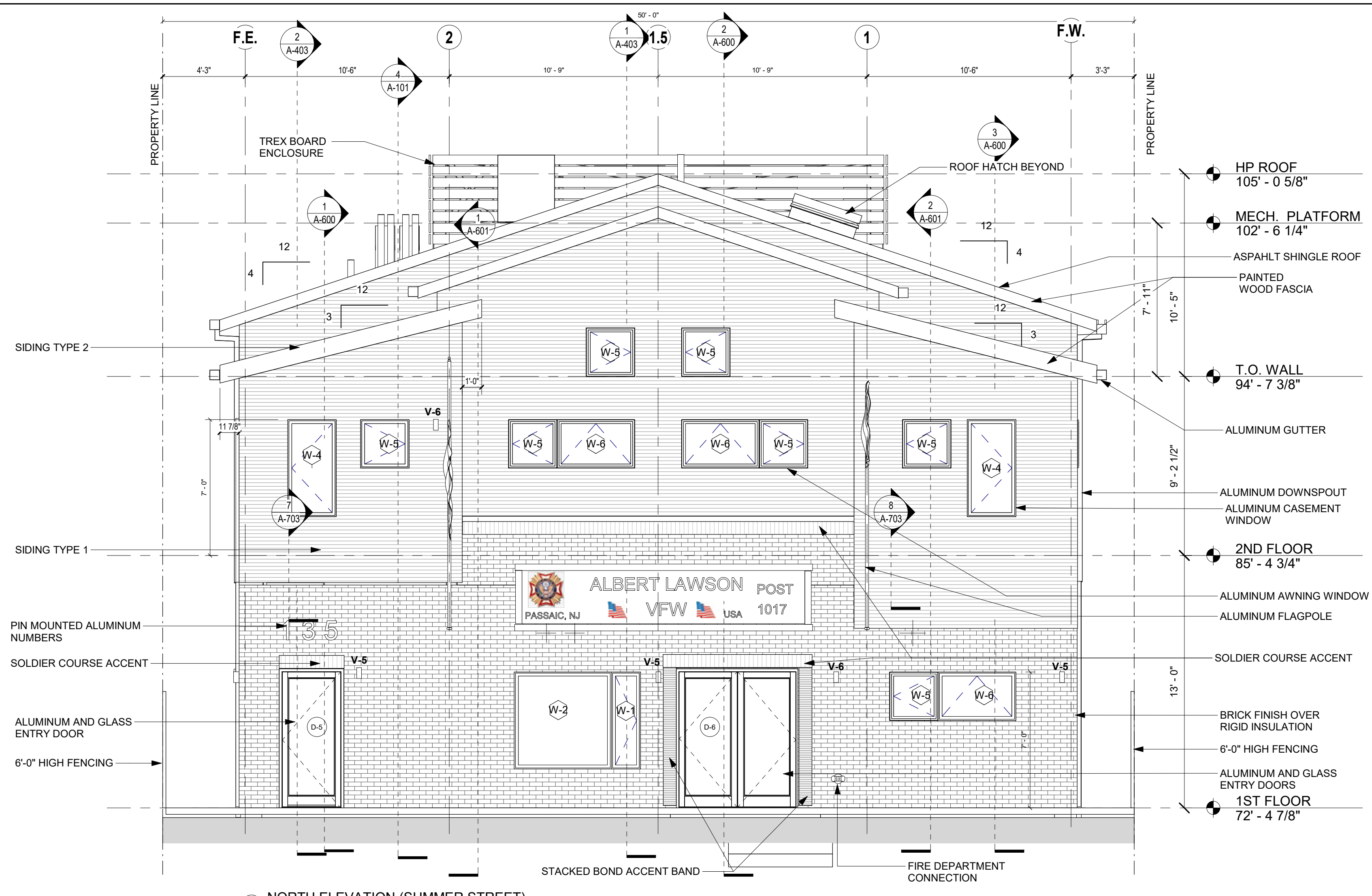
1405.1.1.1.2 Fire separation greater than 5 feet. For fire separation distances greater than 5 feet, any exterior wall covering shall be permitted that has been exposed to a reduced level of incident radiant heat flux in accordance with the NFPA 268 test method without exhibiting sustained flaming. The minimum fire separation distance required for the exterior wall covering shall be determined from Table 1405.1.1.1.2 based on the maximum tolerable level of incident radiant heat flux that does not cause sustained flaming of the exterior wall covering.

1407.2 EIFS Performance characteristics. EIFS shall be constructed such that it meets the performance characteristics required in ASTM E2568.

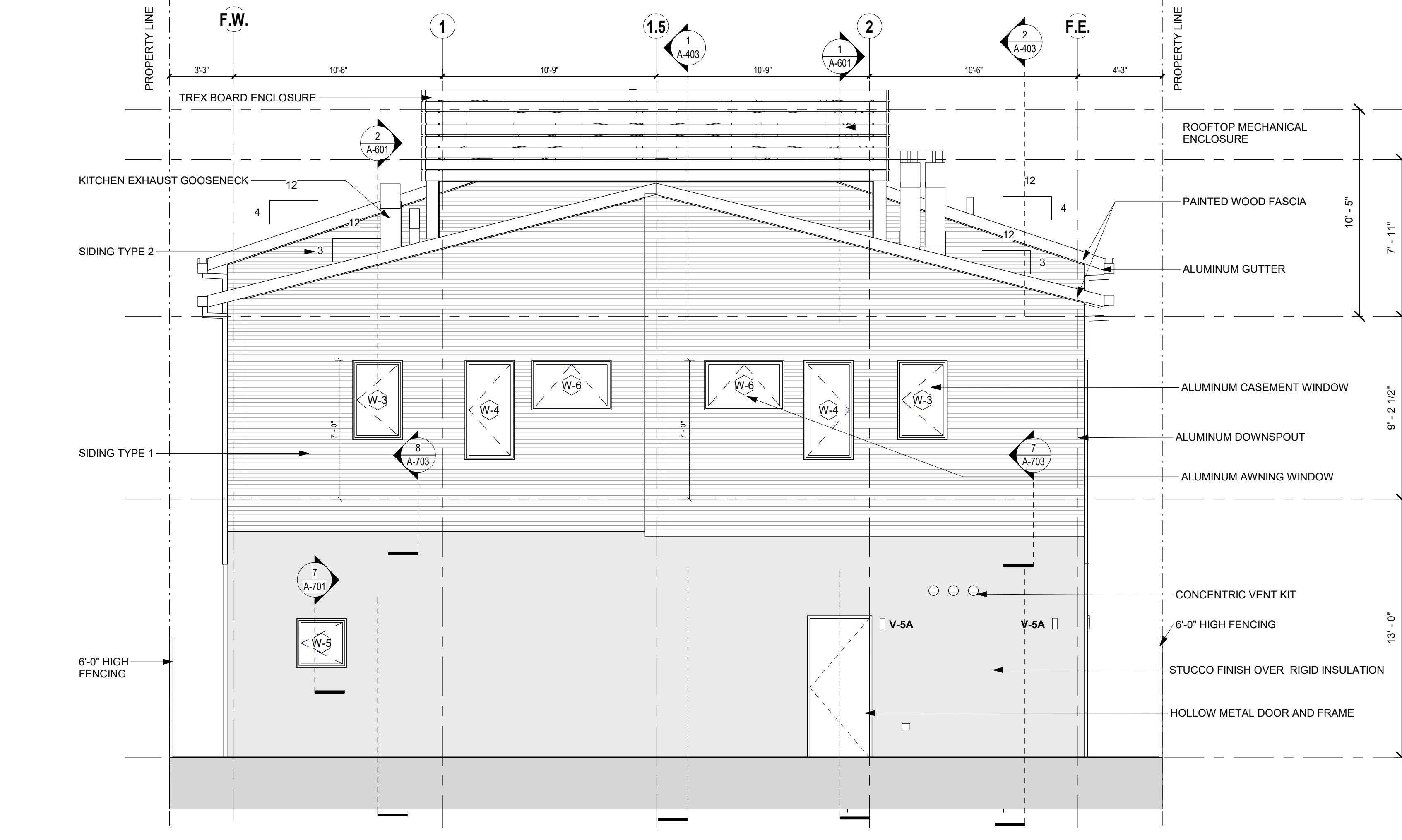
1407.4.1.1 Water-resistive barrier. For EIFS with drainage, the water-resistive barrier shall comply with Section 1403.2 or ASTM E2570.

1409.1 Plastic composite decking. Exterior deck boards, stair treads, handrails and guards constructed of plastic composites, including plastic lumber, shall comply with Section 2612.

GRIDLINE NOTES	
GRID 1.5	= CENTERLINE OF BUILDING
GRID F.N.	= OUTSIDE FACE OF CONCRETE AT NORTH FOUNDATION WALL
GRID F.S.	= OUTSIDE FACE OF CONCRETE AT SOUTH FOUNDATION WALL
GRID F.E.	= OUTSIDE FACE OF CONCRETE AT EAST FOUNDATION WALL
GRID F.W.	= OUTSIDE FACE OF CONCRETE AT WEST FOUNDATION WALL



1 NORTH ELEVATION (SUMMER STREET)
1/4" = 1'-0"



2 SOUTH ELEVATION (REAR YARD)
1/4" = 1'-0"

Paterson Habitat For Humanity
146 North 1st Street
Paterson, NJ 07522

PROJECT NAME
**MIXED USE BUILDING
VFW HALL / RESIDENTIAL
135 SUMMER STREET
PASSAIC NJ 07055**

CHEN O'NEIL ARCHITECTS, PLLC
29 GANUNG DRIVE
OSSINING, NY 10562
646-812-5566

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STRUCTURAL ENGINEER:
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ISSUE/REVISION	DATE
6 ISSUE FOR FILING	01/14/2022
5 90% CD SET	12/1/2021
4 75% CD SET	11/15/2021
3 DESIGN DEVELOPMENT	09/27/2021
1 SITE PLAN SUBMISSION	10/27/2020

DRAWING TITLE
NORTH AND SOUTH ELEVATIONS

DRAWING NO.
A-400

DATE: 01/14/22
SCALE: As indicated

STAMP & SIGNATURE

NJ LICENSE 20591



Paterson Habitat For Humanity
 146 North 1st Street
 Paterson, NJ 07522

PROJECT NAME
**MIXED USE BUILDING
 VFW HALL / RESIDENTIAL**
 135 SUMMER STREET
 PASSAIC NJ 07055

CHEN O'NEIL ARCHITECTS, PLLC
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6	ISSUE FOR FILING	01/14/2022
5	90% CD SET	12/1/2021
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3	DESIGN DEVELOPMENT	09/27/2021
2	SITE PLAN REV. 1	12/15/2020
1	SITE PLAN SUBMISSION	10/27/2020

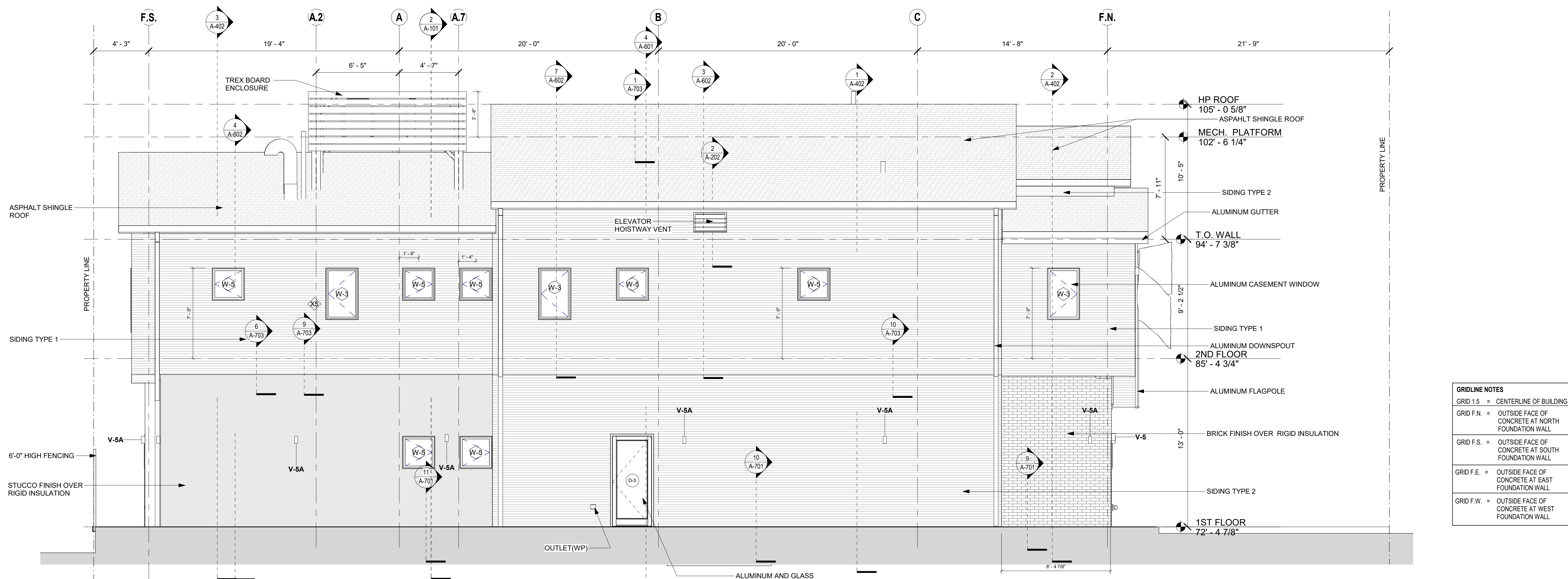
ISSUE/REVISION	DATE
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DRAWING TITLE
EAST AND WEST ELEVATIONS

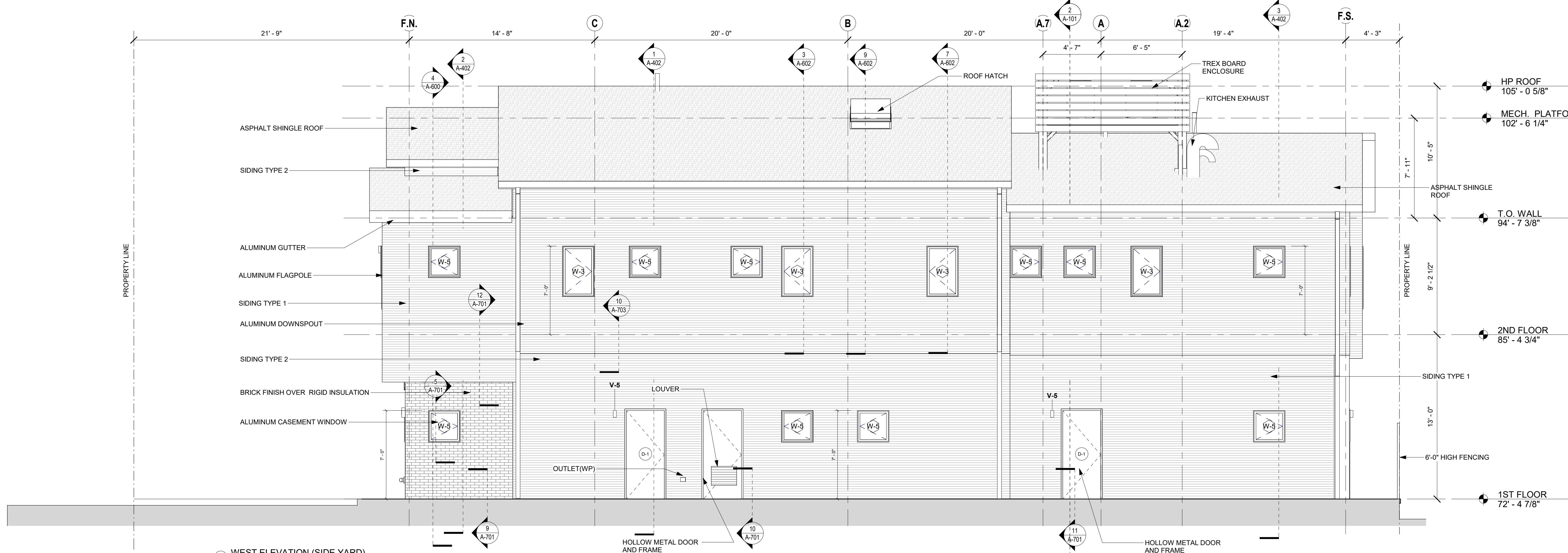
DRAWING NO.
A-401

DATE: 01/14/22
 SCALE: 1/4" = 1'-0"

STAMP & SIGNATURE



2 EAST ELEVATION (SIDE YARD)
 1/4" = 1'-0"



1 WEST ELEVATION (SIDE YARD)
 1/4" = 1'-0"



Paterson Habitat For Humanity
146 North 1st Street
Paterson, NJ 07522

PROJECT NAME
**MIXED USE BUILDING
VFW HALL / RESIDENTIAL**
135 SUMMER STREET
PASSAIC NJ 07055

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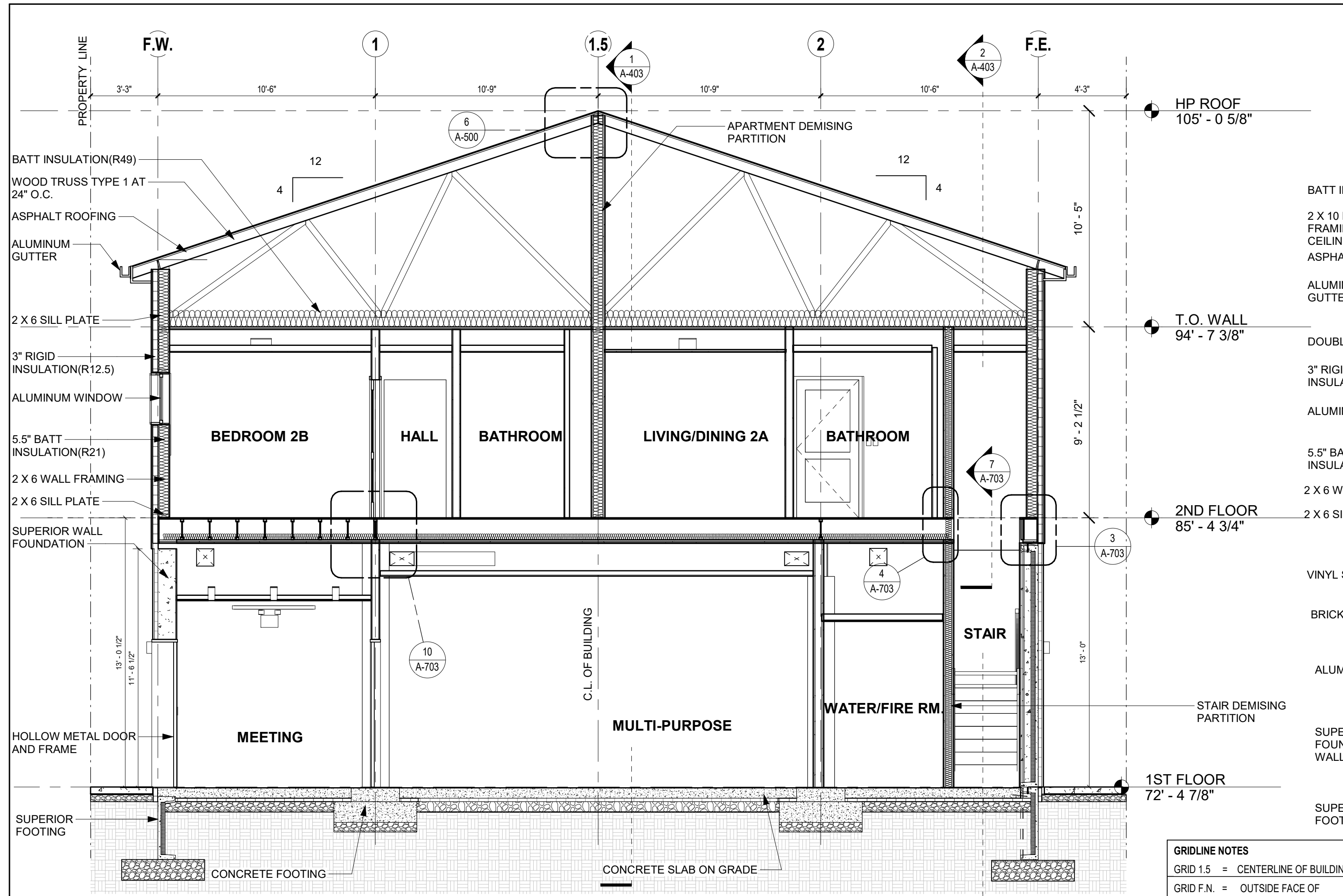
ISSUE/REVISION DATE

DRAWING TITLE
EAST / WEST BUILDING SECTIONS

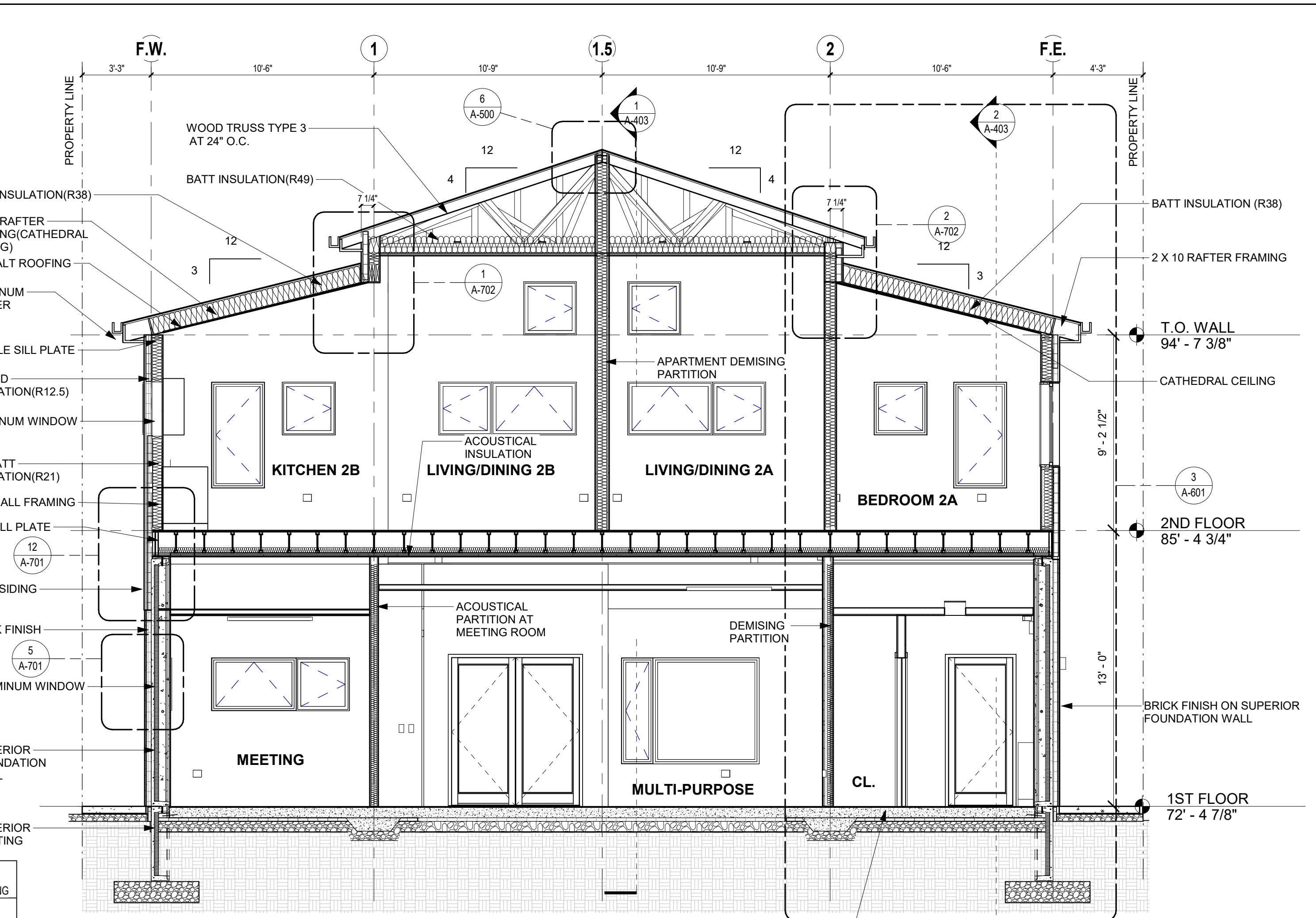
DRAWING NO.
A-402

DATE: 01/14/22
SCALE: 1/4" = 1'-0"

STAMP & SIGNATURE



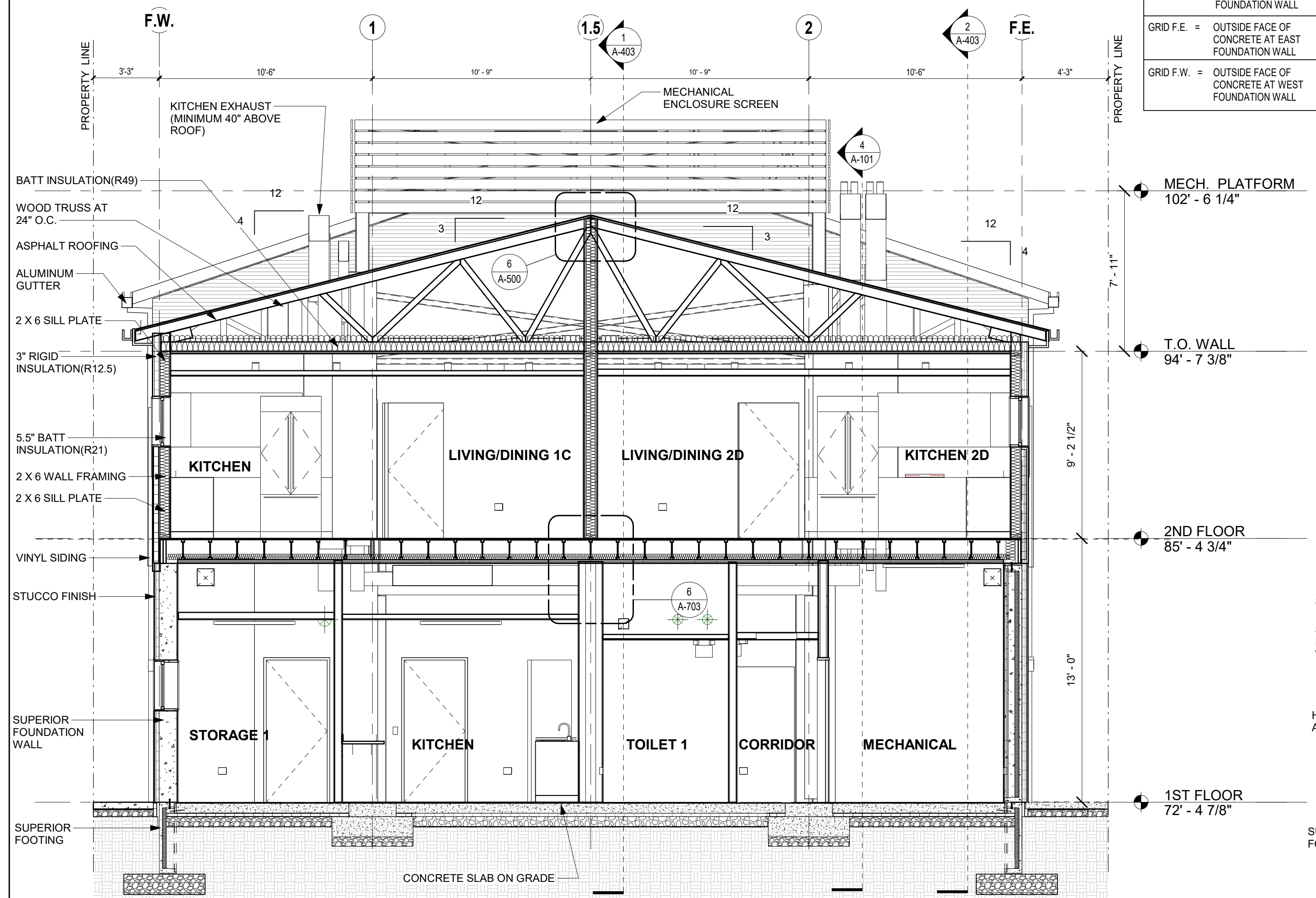
1 BUILDING CROSS SECTION - HIGH ROOF
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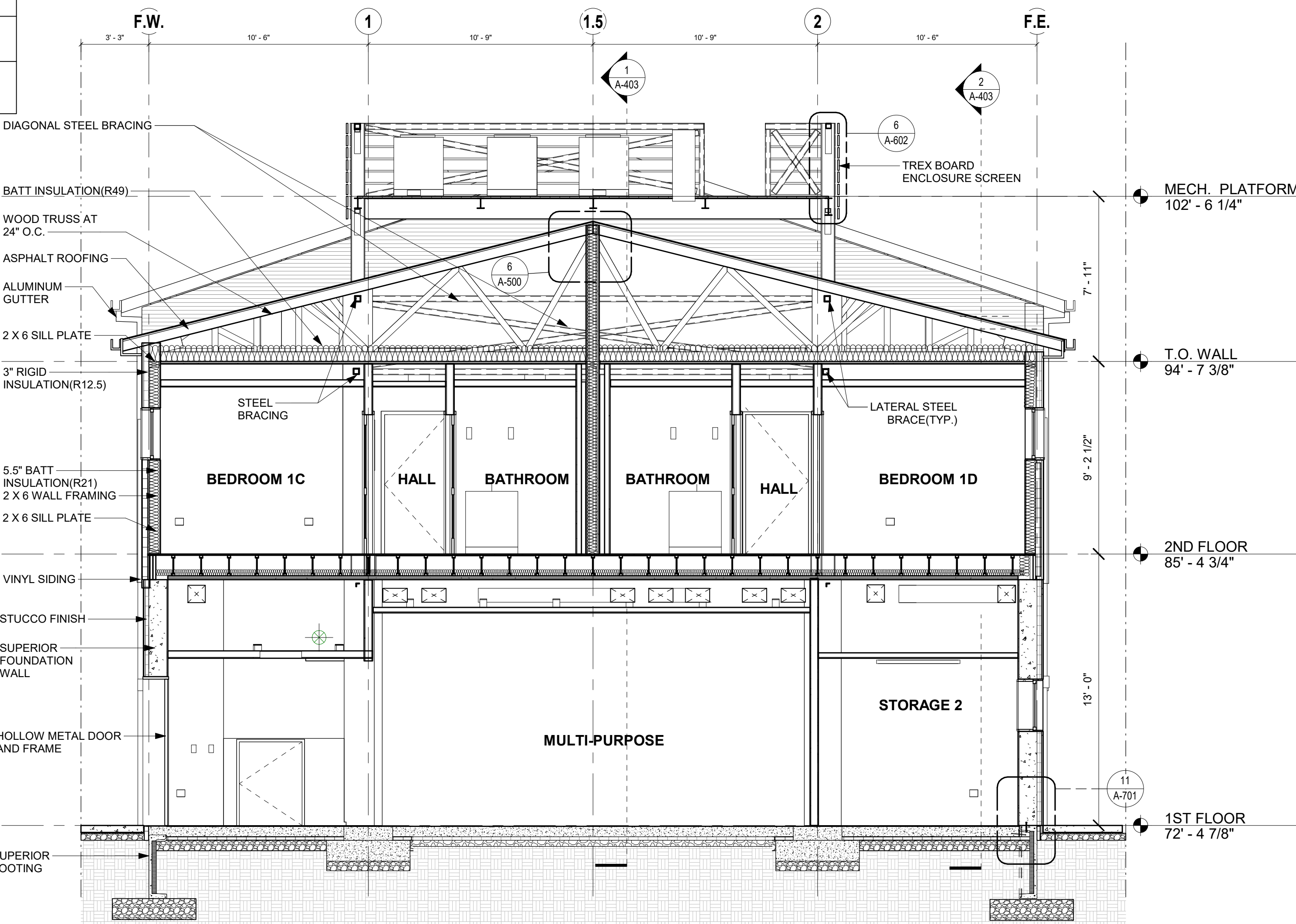
2 BUILDING CROSS SECTION - FRONT ROOFS
1/4" = 1'-0"

GRIDLINE NOTES

GRID 1.5	= CENTERLINE OF BUILDING
GRID F.N.	= OUTSIDE FACE OF CONCRETE AT NORTH FOUNDATION WALL
GRID F.S.	= OUTSIDE FACE OF CONCRETE AT SOUTH FOUNDATION WALL
GRID F.E.	= OUTSIDE FACE OF CONCRETE AT EAST FOUNDATION WALL
GRID F.W.	= OUTSIDE FACE OF CONCRETE AT WEST FOUNDATION WALL



3 BUILDING CROSS SECTION - REAR ROOF
1/4" = 1'-0"



4 BUILDING CROSS SECTION - MECHANICAL PLATFORM
1/4" = 1'-0"



Paterson Habitat For Humanity
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Paterson, NJ 07522

PROJECT NAME

**MIXED USE BUILDING
VFW HALL / RESIDENTIAL**
135 SUMMER STREET
PASSAIC NJ 07055

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ISSUE/REVISION DATE

DRAWING TITLE

NORTH / SOUTH BUILDING SECTIONS

DRAWING NO.

A-403

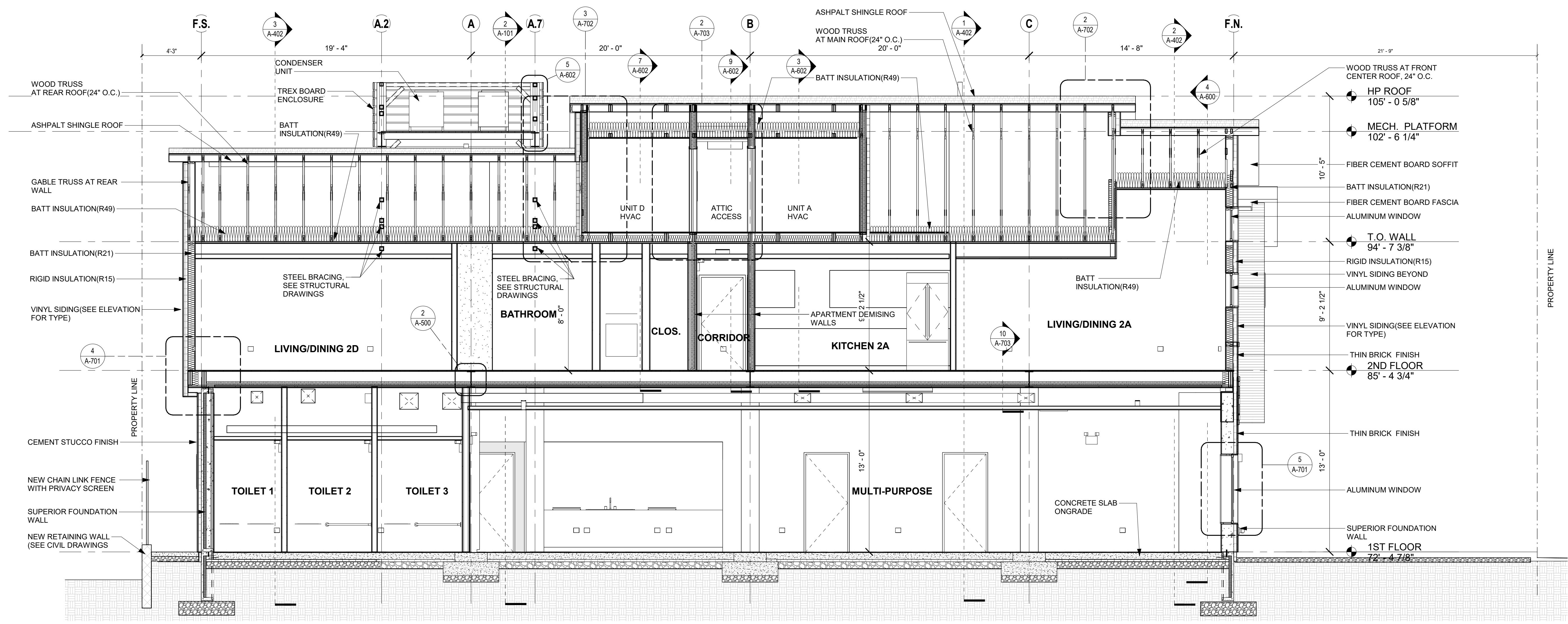
DATE: 01/14/22

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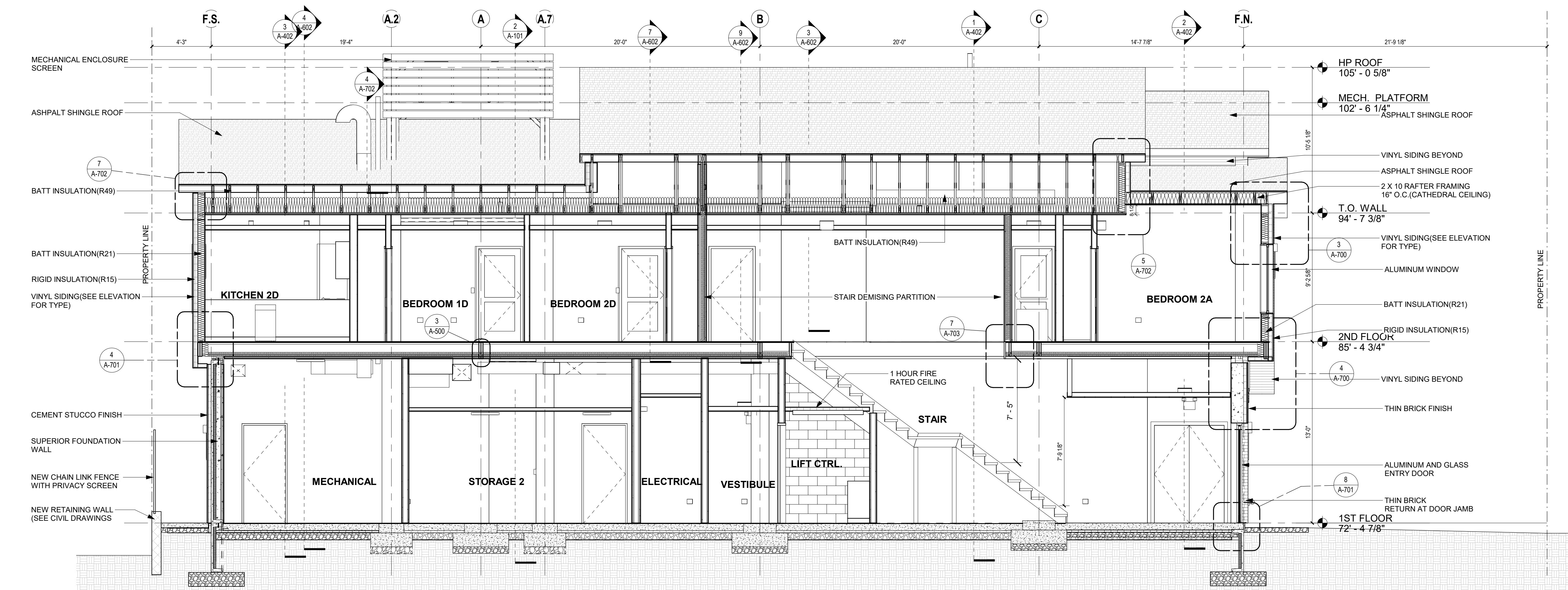
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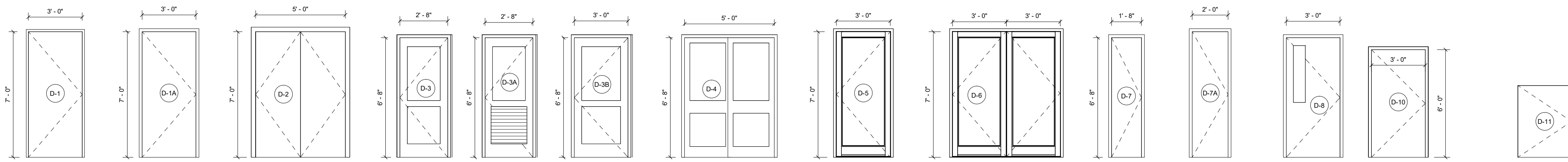
NJ LICENSE 20591



1 BUILDING LONGITUDINAL SECTION (NORTH / SOUTH)
1/4" = 1'-0"

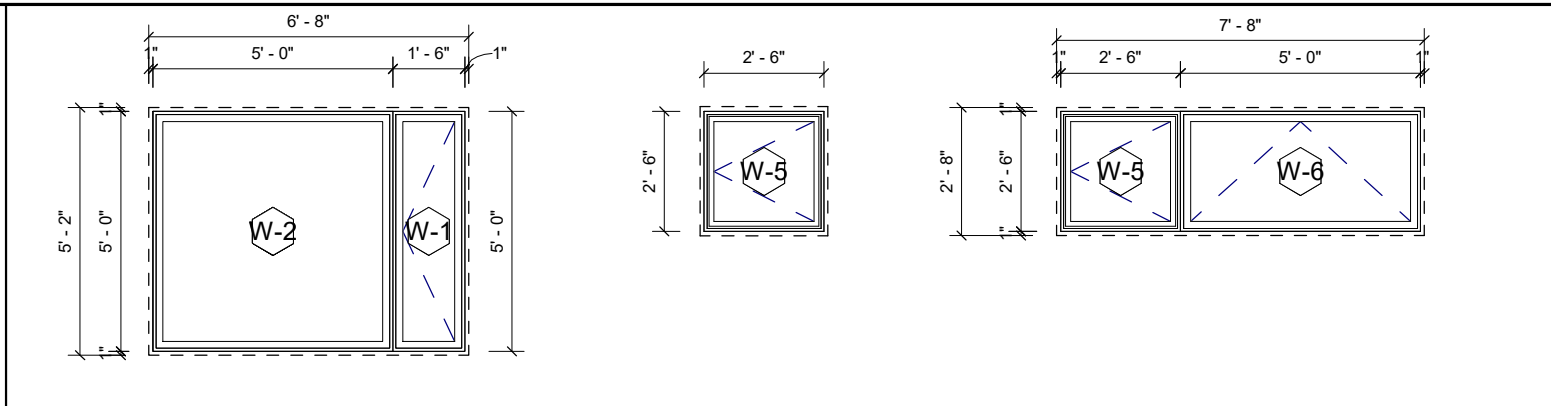


2 BUILDING LONGITUDINAL SECTION (SIDE ROOFS)
1/4" = 1'-0"

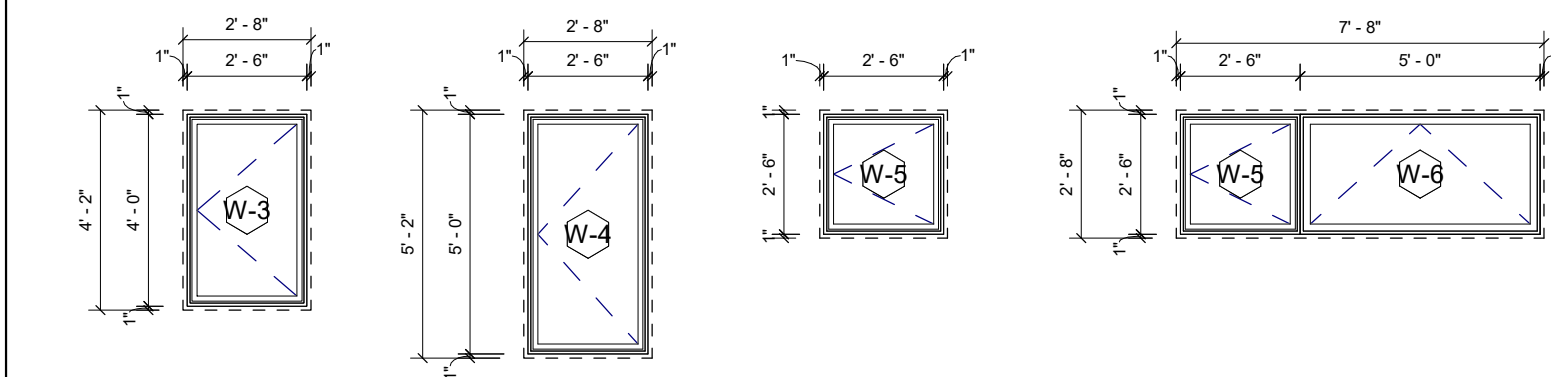


TYPICAL DOOR TYPES

DOOR SCHEDULE												
Door Type	Location	DOOR WIDTH	DOOR HEIGHT	THICKNESS	DOOR MATERIAL	DOOR FINISH	FRAME MATERIAL	FRAME FINISH	JAMB/HEAD DTL	SADDLE DTL	RATING	COMMENTS
D-1	VFW Non-rated door	3' - 0"	7' - 0"	0' - 1 3/4"	Hollow Metal	Paint	Hollow Metal	Paint				Doors at exterior locations to have closers
D-1A	Rated Hollow Metal	3' - 0"	7' - 0"	0' - 1 3/4"	Hollow Metal	Paint	Hollow Metal	Paint			90 MIN.	
D-1B	Rated Apt. Entry	3' - 0"	6' - 8"	0' - 1 3/4"	Hollow Metal	Paint	Hollow Metal	Paint			45 MIN.	Surface mounted closer
D-2	Residential lobby closet	5' - 0"	7' - 0"	0' - 2"	Hollow Metal	Paint	Hollow Metal	Paint				
D-3	Apt. Closet doors	2' - 8"	6' - 8"	0' - 1 3/8"	Wood	Paint	Wood	Paint				
D-3A	Laundry closet door with louver	2' - 8"	6' - 8"	0' - 1 3/8"	Wood	Paint	Wood	Paint				
D-3B	3-0" wide apartment interior	3' - 0"	6' - 8"	0' - 1 3/8"	Wood	Paint	Wood	Paint				
D-4	Apt. Closet Sliding Doors	5' - 0"	6' - 8"	0' - 0 3/4"	Wood	Paint	Wood	Paint				
D-5	Exterior Entry Doors: Alum/Glass	3' - 0"	7' - 0"	0' - 1 3/4"	Alum/Glass	Paint	Aluminum	Paint				Door to have concealed closer
D-6	Exterior Entry Doors: Alum/Glass	3' - 0"	7' - 0"	0' - 1 3/4"	Alum/Glass	Paint	Aluminum	Paint				Door to have concealed closer
D-7	HW closet	1' - 8"	6' - 8"	0' - 1 3/8"		Paint		Paint				
D-7A	Meeting room closet	2' - 0"	7' - 0"	0' - 1 3/4"		Paint		Paint				
D-8	Rated Hoistway Door	3' - 0"	6' - 8"	0' - 1 3/4"	Alum/Glass	Paint	Aluminum	Paint			90 MIN.	Door to have concealed closer
D-10	RATED ACCESS DOOR 36" X 60"	3' - 0"	5'-0"	0' - 1 3/4"		Paint		Paint			90 MIN.	Surface mounted closer
D-11	SERVING AREA MILLWORK DOOR	3' - 0"	4' - 0"	0' - 1 3/4"		Paint		Paint				



WINDOW OPENINGS IN SUPERIOR WALL



WINDOW OPENINGS IN WOOD FRAMING

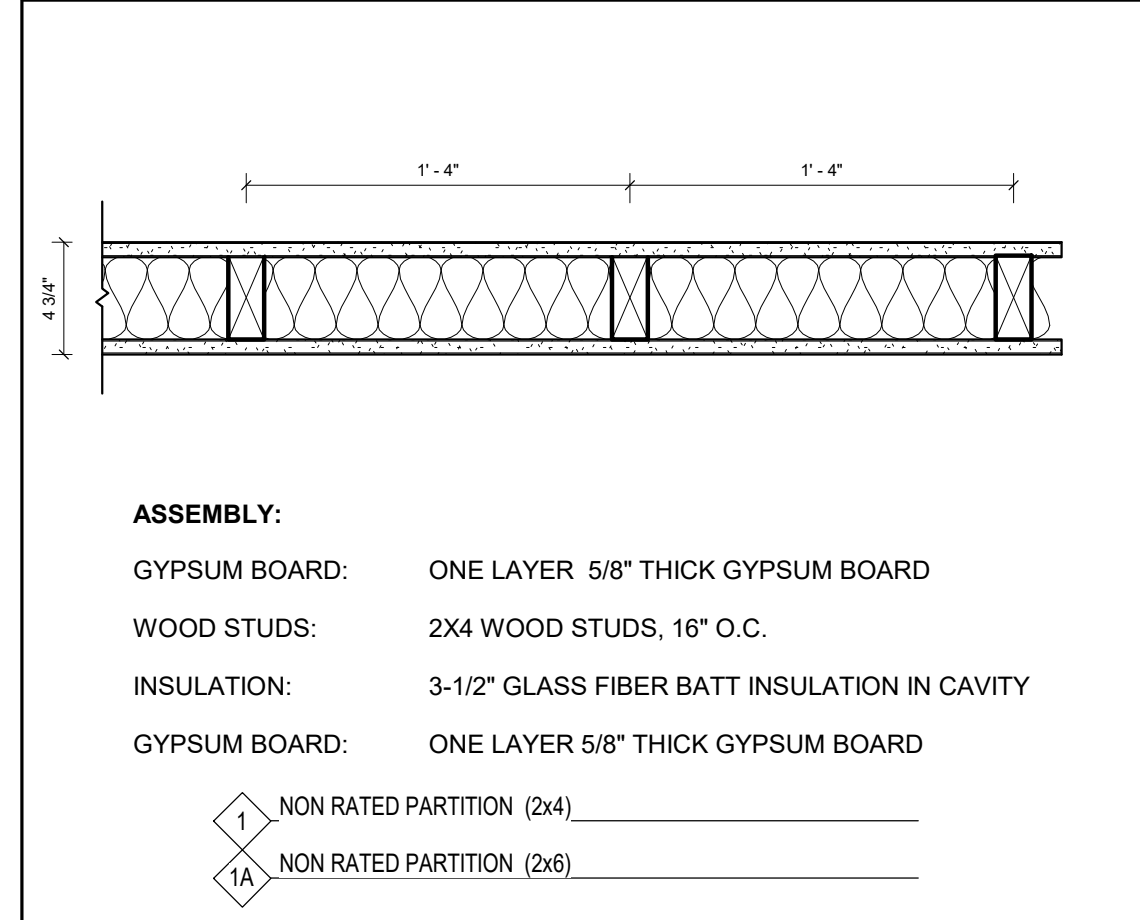
WINDOW SCHEDULE				
Level	TYPE	HEIGHT	WIDTH	COMMENT

1ST FLOOR				
1ST FLOOR	W-1	5' - 0"	1' - 6"	CASEMENT
1ST FLOOR	W-2	5' - 0"	5' - 0"	FIXED
1ST FLOOR	W-3	4' - 0"	2' - 6"	CASEMENT
1ST FLOOR	W-4	5' - 0"	2' - 6"	CASEMENT
1ST FLOOR	W-5	2' - 6"	2' - 6"	CASEMENT
1ST FLOOR	W-6	2' - 6"		AWNING

2ND FLOOR				
2ND FLOOR	W-3	4' - 0"	2' - 6"	CASEMENT
2ND FLOOR	W-4	5' - 0"	2' - 6"	CASEMENT
2ND FLOOR	W-5	2' - 6"	2' - 6"	CASEMENT
2ND FLOOR	W-6	2' - 6"	4' - 0"	AWNING

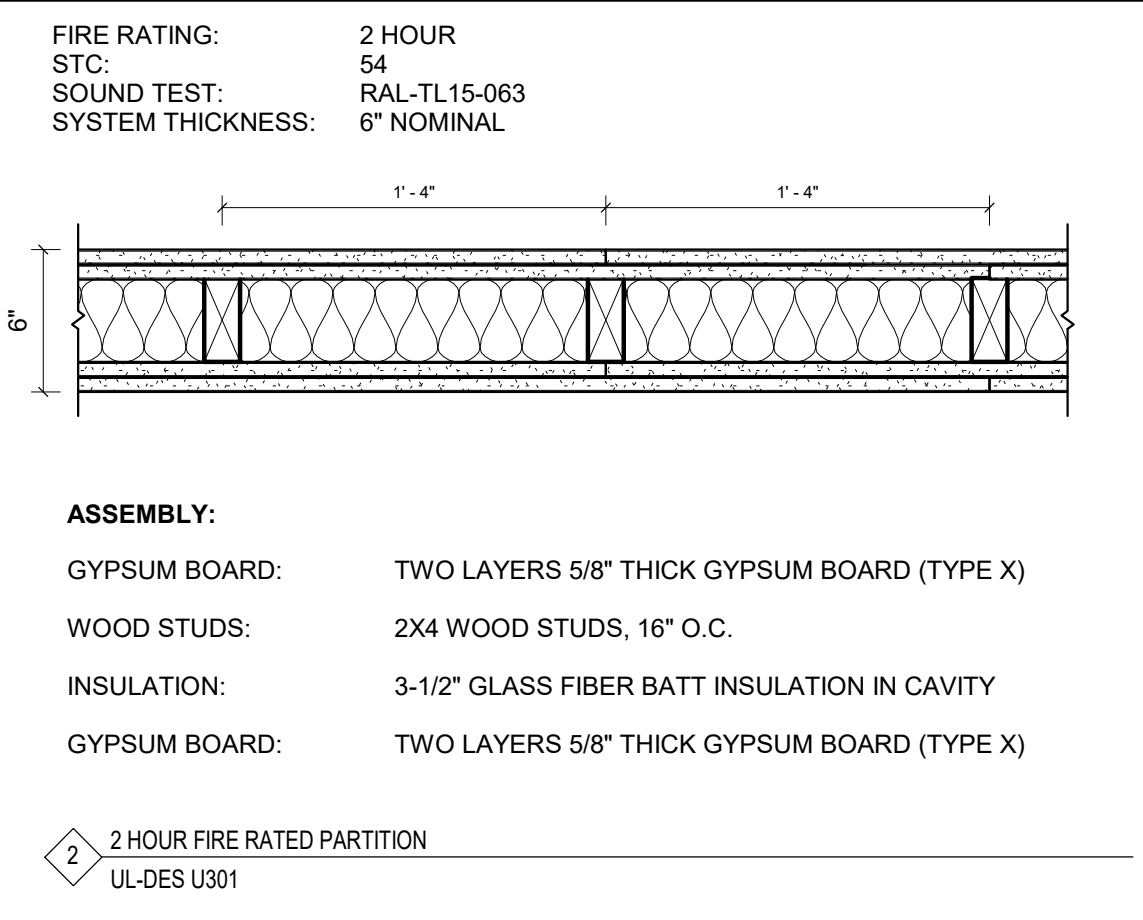
T.O. WALL				
T.O. WALL	W-5	2' - 6"	2' - 6"	CASEMENT

HP ROOF				
HP ROOF	W-1	4' - 7 1/2"	2' - 7 1/2"	CASEMENT
HP ROOF	W-2	3' - 7 1/2"	2' - 6"	CASEMENT



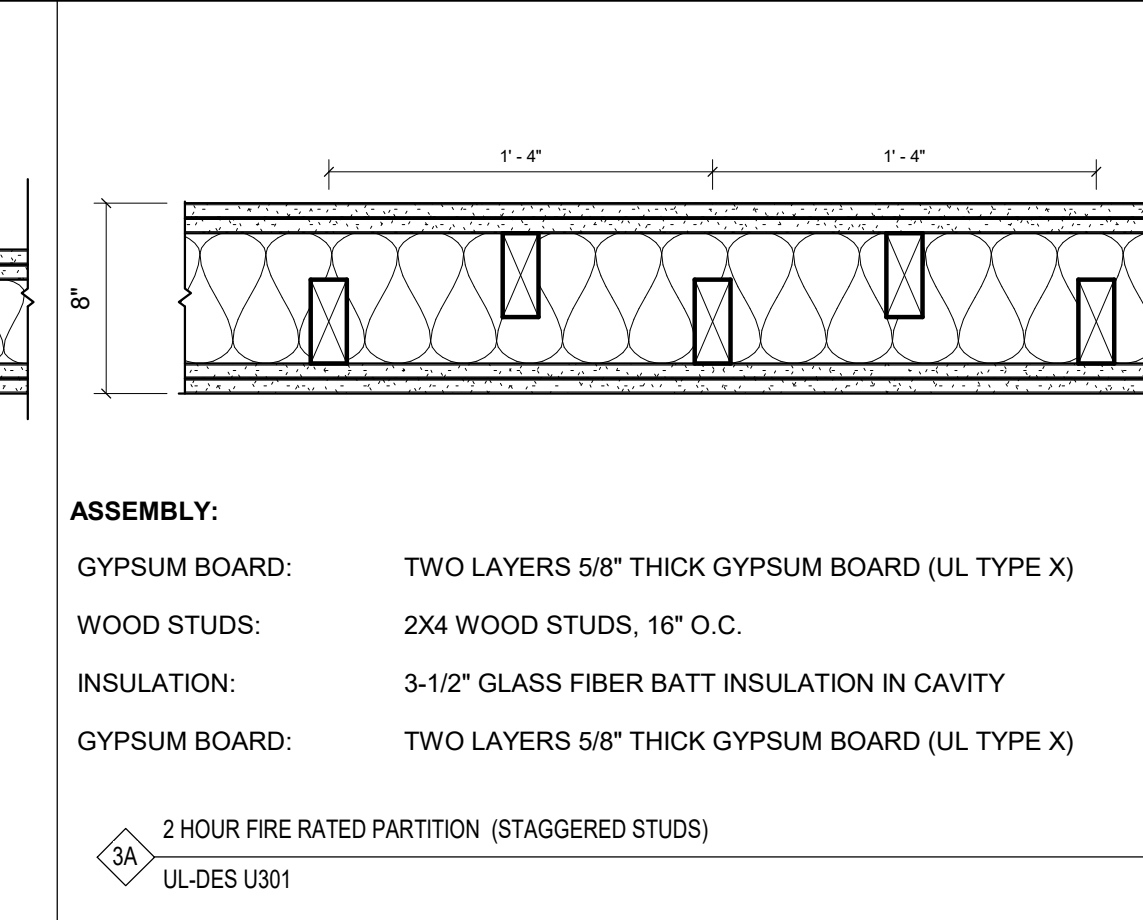
ASSEMBLY:
 GYPSUM BOARD: ONE LAYER 5/8" THICK GYPSUM BOARD
 SHEATHING: MINIMUM 7/16-INCH THICK ORIENTED STRAND BOARD (OSB) OR 15/32-INCH THICK STRUCTURAL SHEATHING (PLYWOOD)
 WOOD STUDS: 2X4 WOOD STUDS, 16" O.C.
 INSULATION: 3-1/2" GLASS FIBER BATT INSULATION IN CAVITY
 GYPSUM BOARD: ONE LAYER 5/8" THICK GYPSUM BOARD

1 NON RATED PARTITION (2x4)
 1A NON RATED PARTITION (2x6)



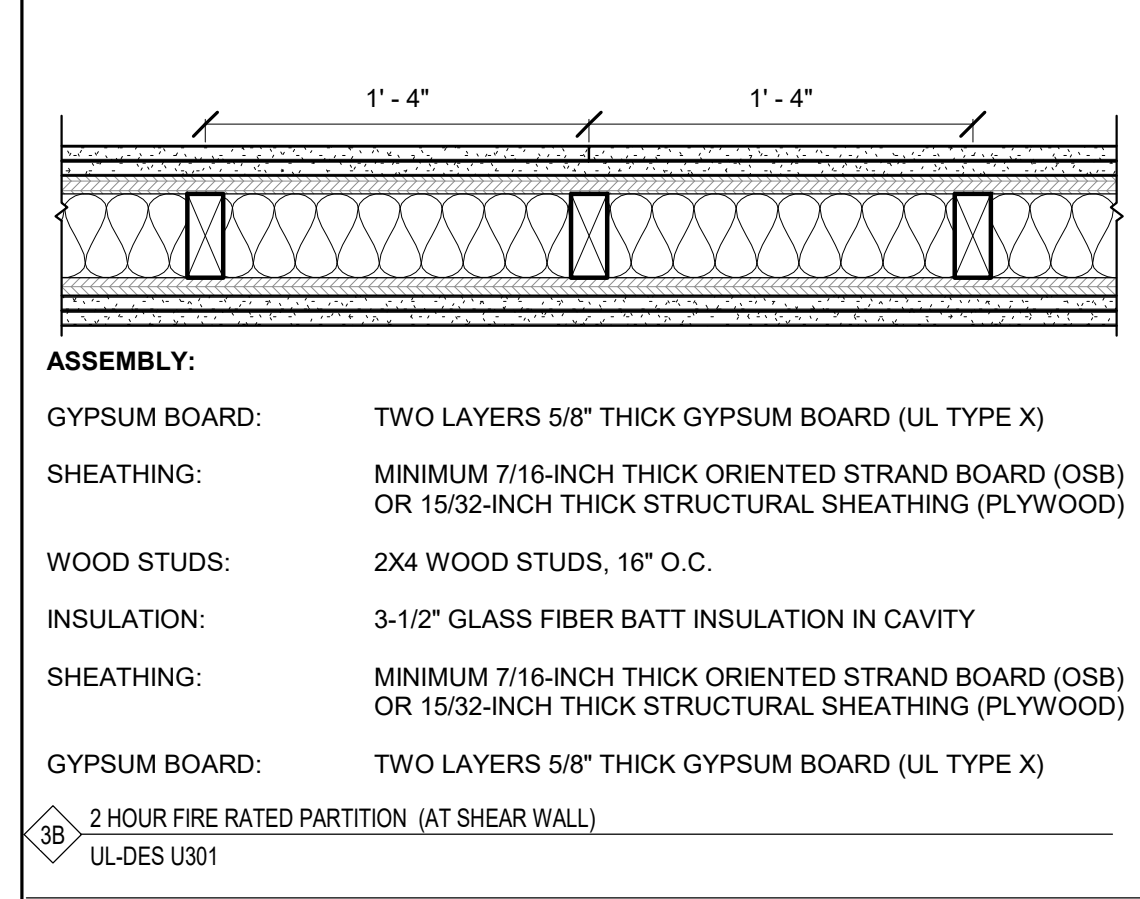
ASSEMBLY:
 GYPSUM BOARD: TWO LAYERS 5/8" THICK GYPSUM BOARD (TYPE X)
 WOOD STUDS: 2X4 WOOD STUDS, 16" O.C.
 INSULATION: 3-1/2" GLASS FIBER BATT INSULATION IN CAVITY
 GYPSUM BOARD: TWO LAYERS 5/8" THICK GYPSUM BOARD (TYPE X)

2 2 HOUR FIRE RATED PARTITION
 UL-DES U301



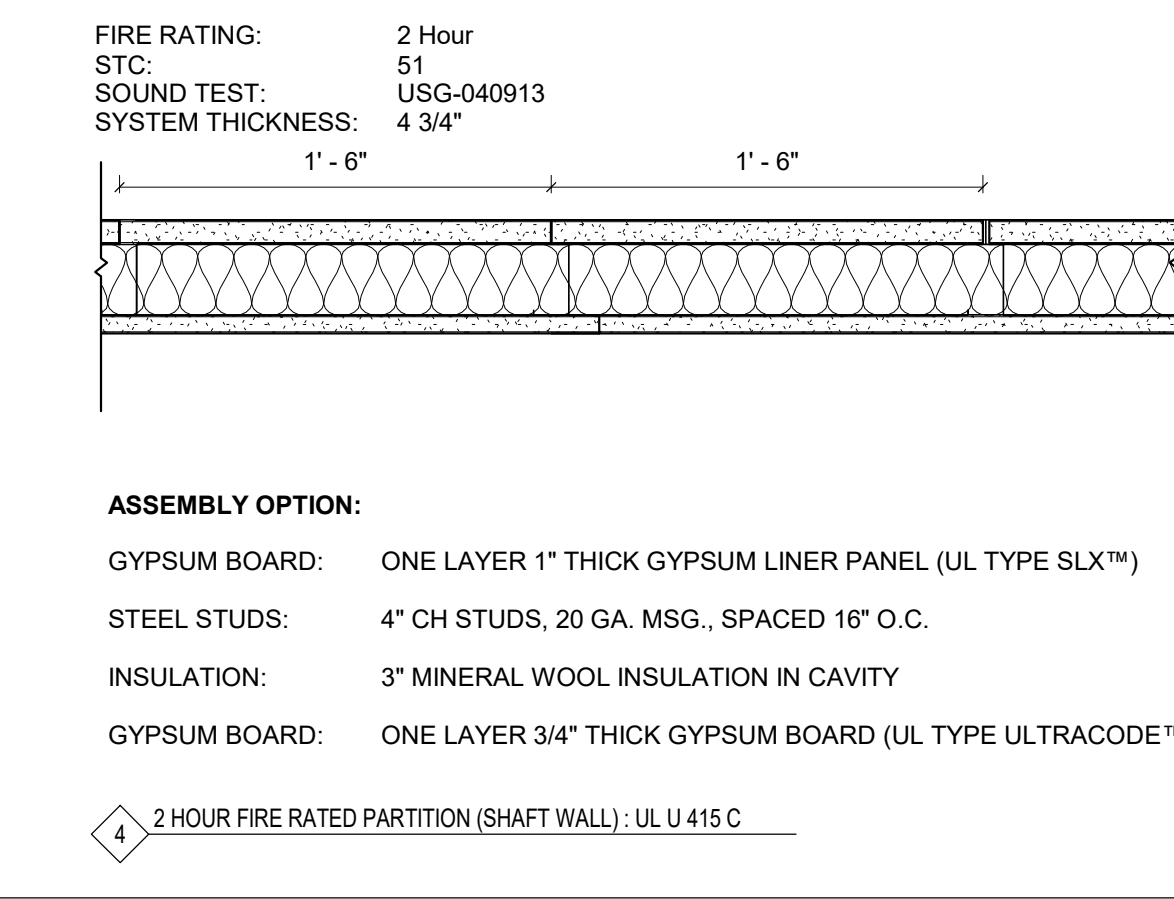
ASSEMBLY:
 GYPSUM BOARD: TWO LAYERS 5/8" THICK GYPSUM BOARD (UL TYPE X)
 WOOD STUDS: 2X4 WOOD STUDS, 16" O.C.
 INSULATION: 3-1/2" GLASS FIBER BATT INSULATION IN CAVITY
 GYPSUM BOARD: TWO LAYERS 5/8" THICK GYPSUM BOARD (UL TYPE X)

3A 2 HOUR FIRE RATED PARTITION (STAGGERED STUDS)
 UL-DES U301



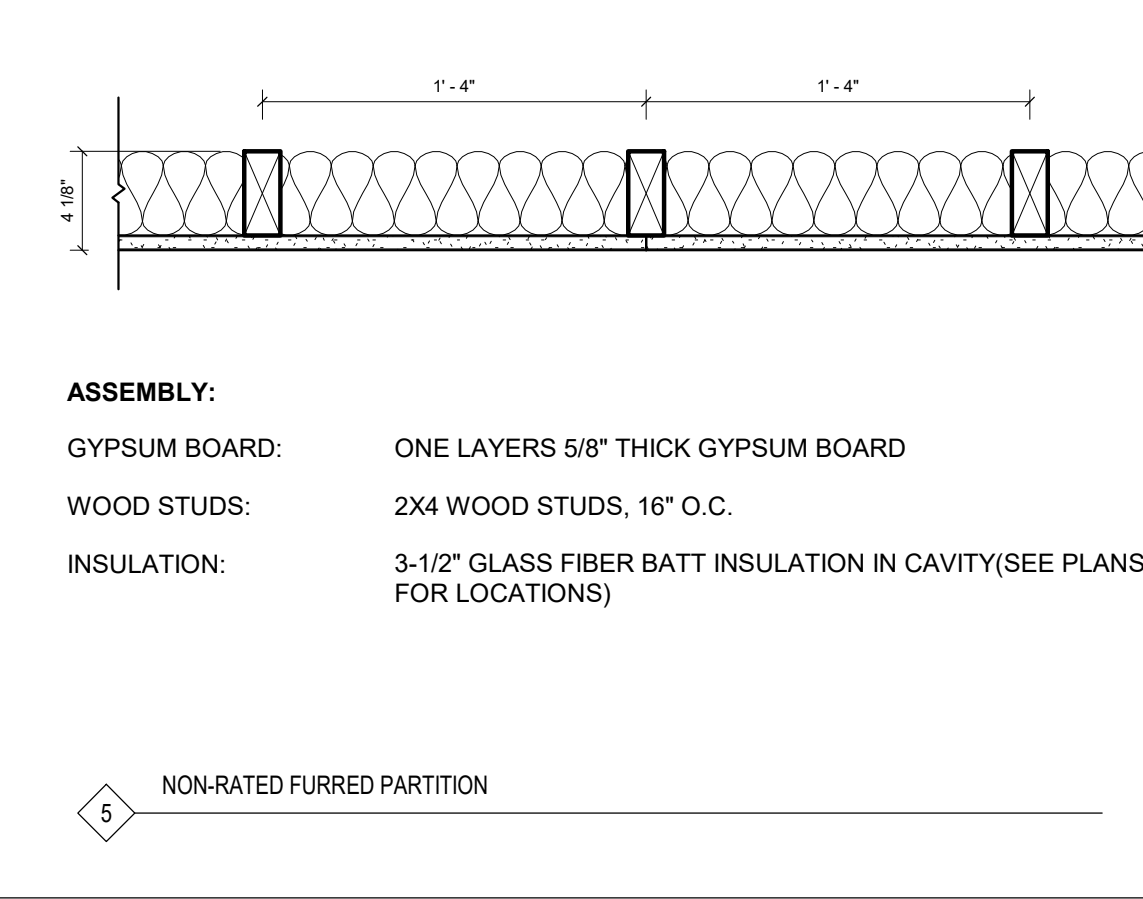
ASSEMBLY:
 GYPSUM BOARD: TWO LAYERS 5/8" THICK GYPSUM BOARD (UL TYPE X)
 SHEATHING: MINIMUM 7/16-INCH THICK ORIENTED STRAND BOARD (OSB) OR 15/32-INCH THICK STRUCTURAL SHEATHING (PLYWOOD)
 WOOD STUDS: 2X4 WOOD STUDS, 16" O.C.
 INSULATION: 3-1/2" GLASS FIBER BATT INSULATION IN CAVITY
 SHEATHING: MINIMUM 7/16-INCH THICK ORIENTED STRAND BOARD (OSB) OR 15/32-INCH THICK STRUCTURAL SHEATHING (PLYWOOD)
 GYPSUM BOARD: TWO LAYERS 5/8" THICK GYPSUM BOARD (UL TYPE X)

3B 2 HOUR FIRE RATED PARTITION (AT SHEAR WALL)
 UL-DES U301



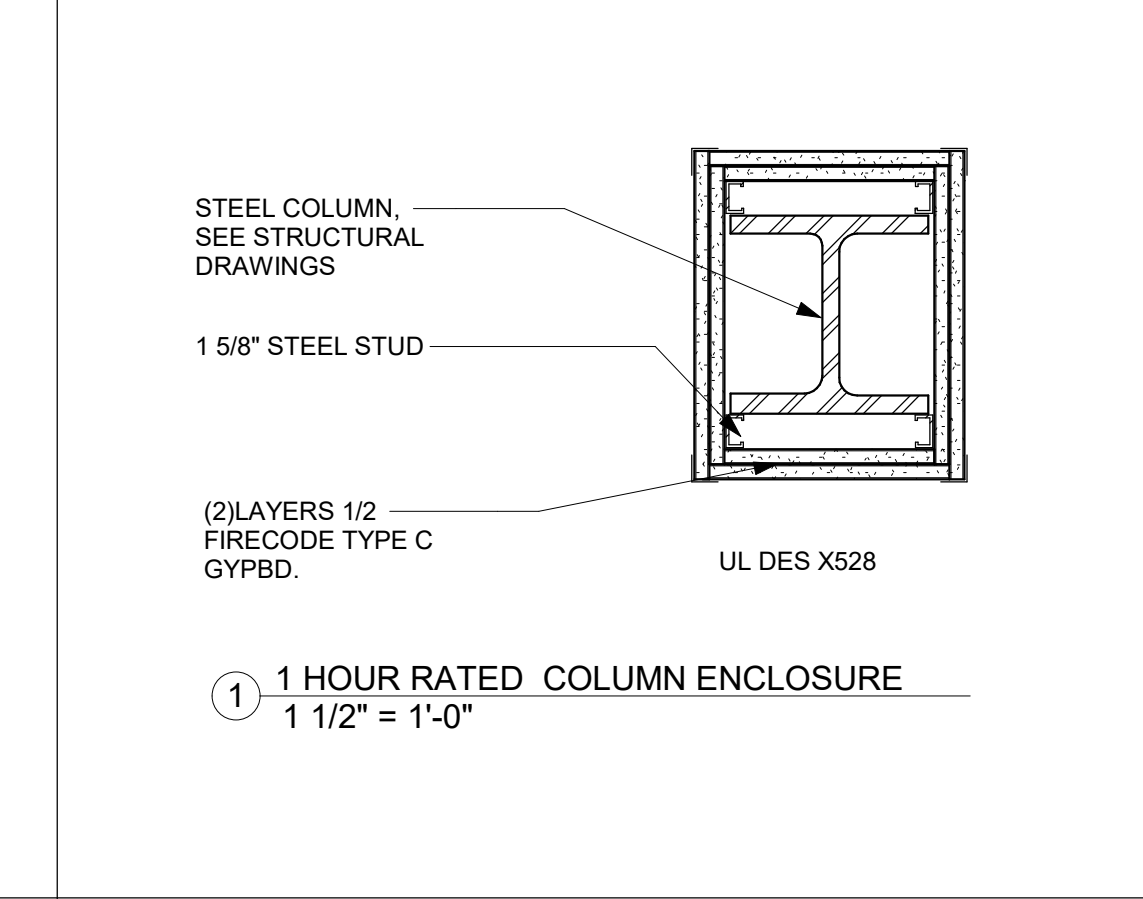
ASSEMBLY OPTION:
 GYPSUM BOARD: ONE LAYER 1" THICK GYPSUM LINER PANEL (UL TYPE SLX™)
 STEEL STUDS: 4" CH STUDS, 20 GA. MSG., SPACED 16" O.C.
 INSULATION: 3" MINERAL WOOL INSULATION IN CAVITY
 GYPSUM BOARD: ONE LAYER 3/4" THICK GYPSUM BOARD (UL TYPE ULTRACODE™)

4 2 HOUR FIRE RATED PARTITION (SHAFT WALL) : UL U 415 C



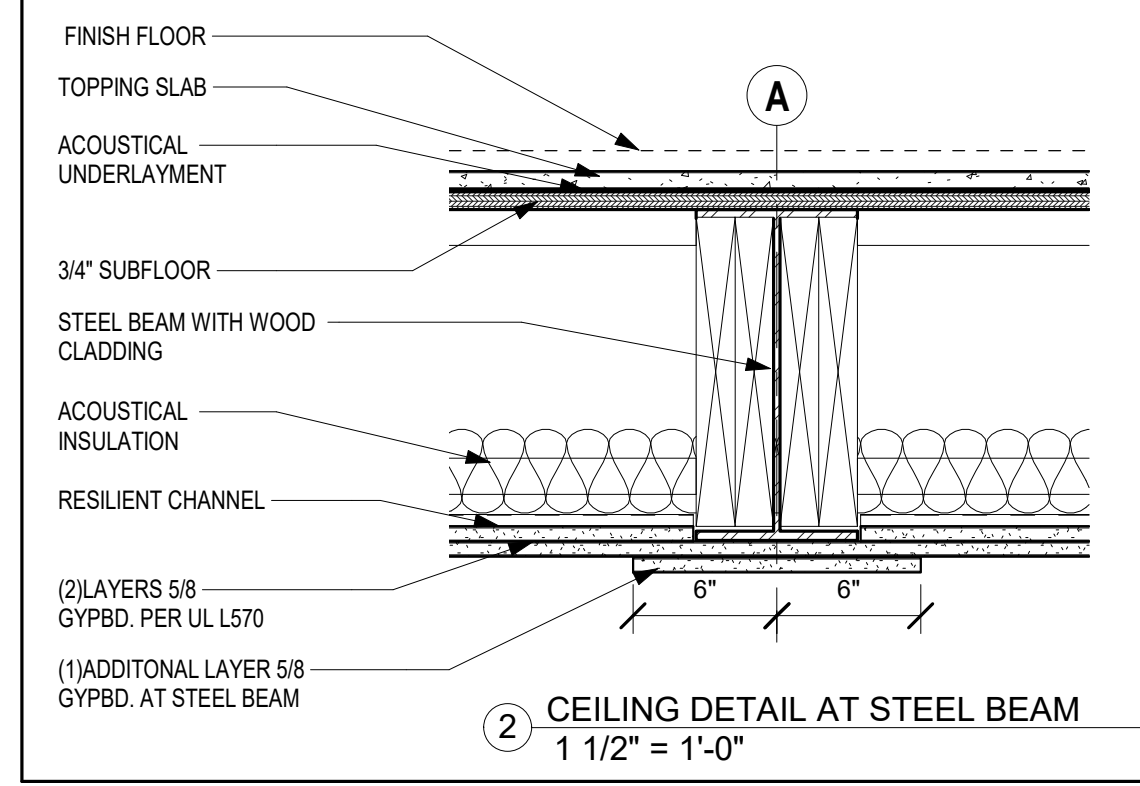
ASSEMBLY:
 GYPSUM BOARD: ONE LAYER 5/8" THICK GYPSUM BOARD
 WOOD STUDS: 2X4 WOOD STUDS, 16" O.C.
 INSULATION: 3-1/2" GLASS FIBER BATT INSULATION IN CAVITY (SEE PLANS FOR LOCATIONS)

5 NON-RATED FURRED PARTITION



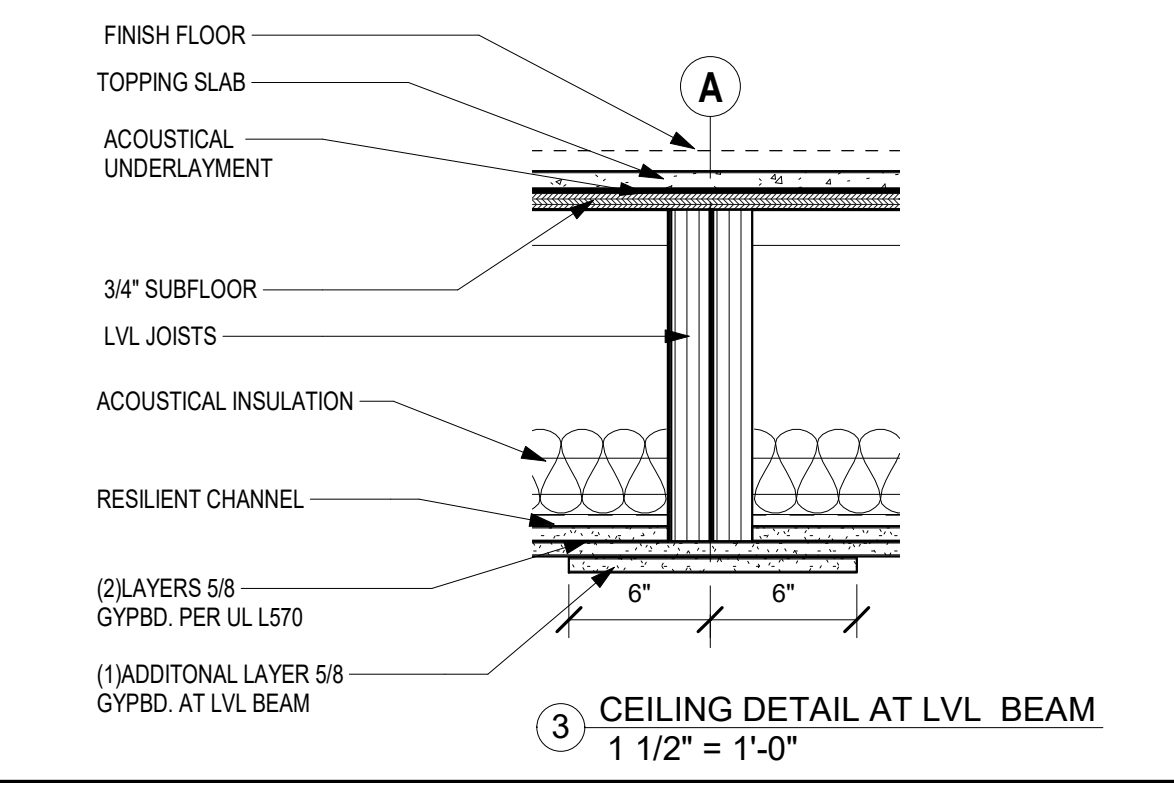
ASSEMBLY:
 GYPSUM BOARD: TWO LAYERS 1/2" FIRE CODE TYPE C GYPBD.

6 1 HOUR RATED COLUMN ENCLOSURE
 1 1/2" = 1'-0"



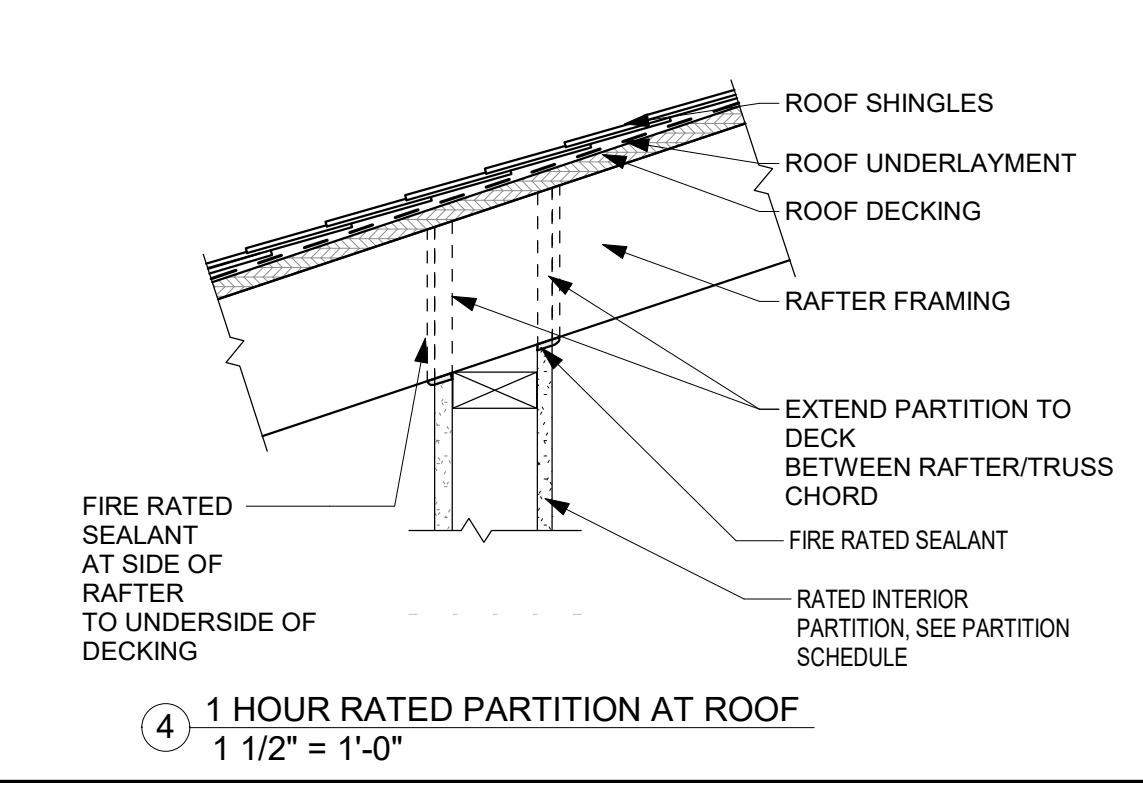
(2) LAYERS 5/8" GYPBD. PER UL L570
 (1) ADDITIONAL LAYER 5/8" GYPBD. AT STEEL BEAM

2 CEILING DETAIL AT STEEL BEAM
 1 1/2" = 1'-0"



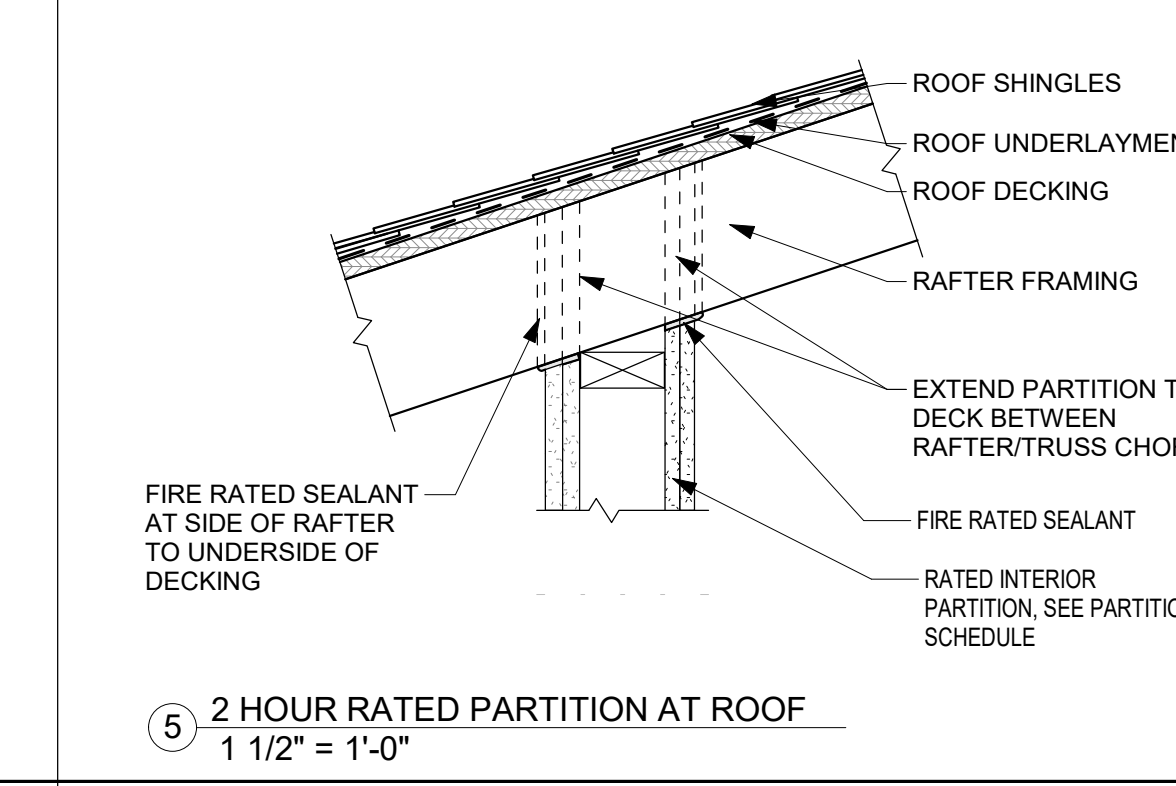
(2) LAYERS 5/8" GYPBD. PER UL L570
 (1) ADDITIONAL LAYER 5/8" GYPBD. AT LVL BEAM

3 CEILING DETAIL AT LVL BEAM
 1 1/2" = 1'-0"



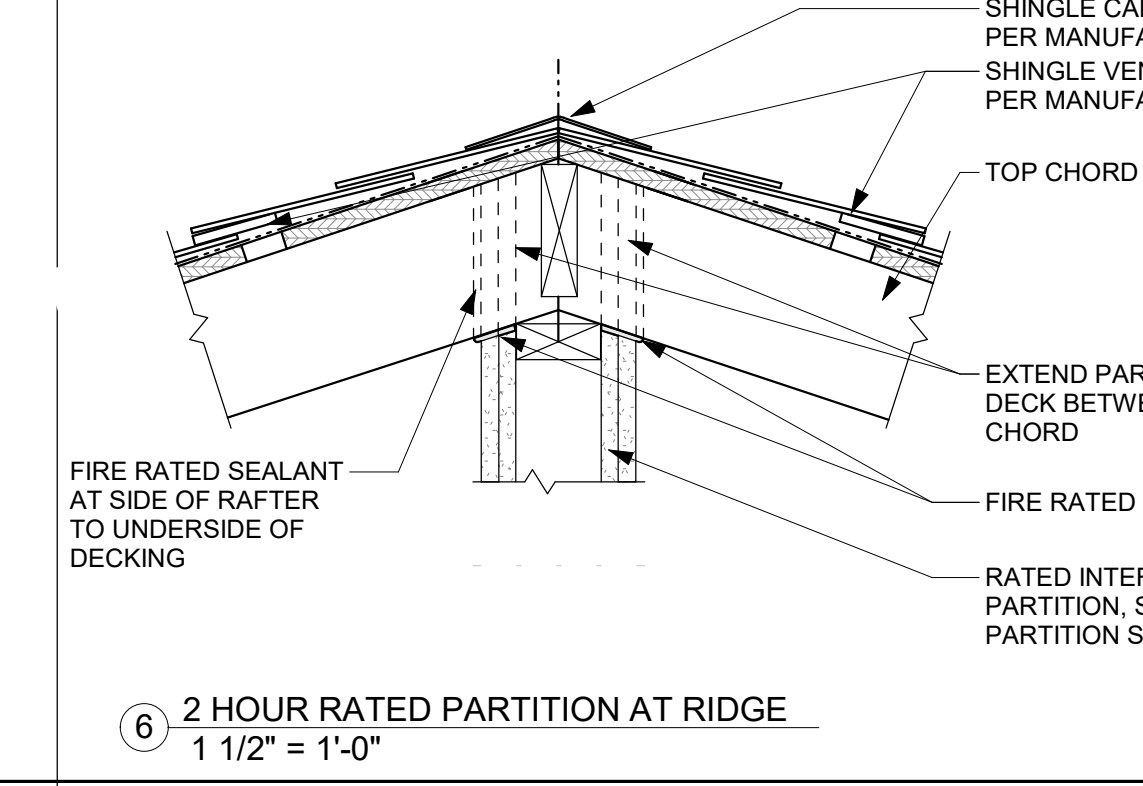
FIRE RATED SEALANT AT SIDE OF RAFTER TO UNDERSIDE OF DECKING

4 1 HOUR RATED PARTITION AT ROOF
 1 1/2" = 1'-0"



FIRE RATED SEALANT AT SIDE OF RAFTER TO UNDERSIDE OF DECKING

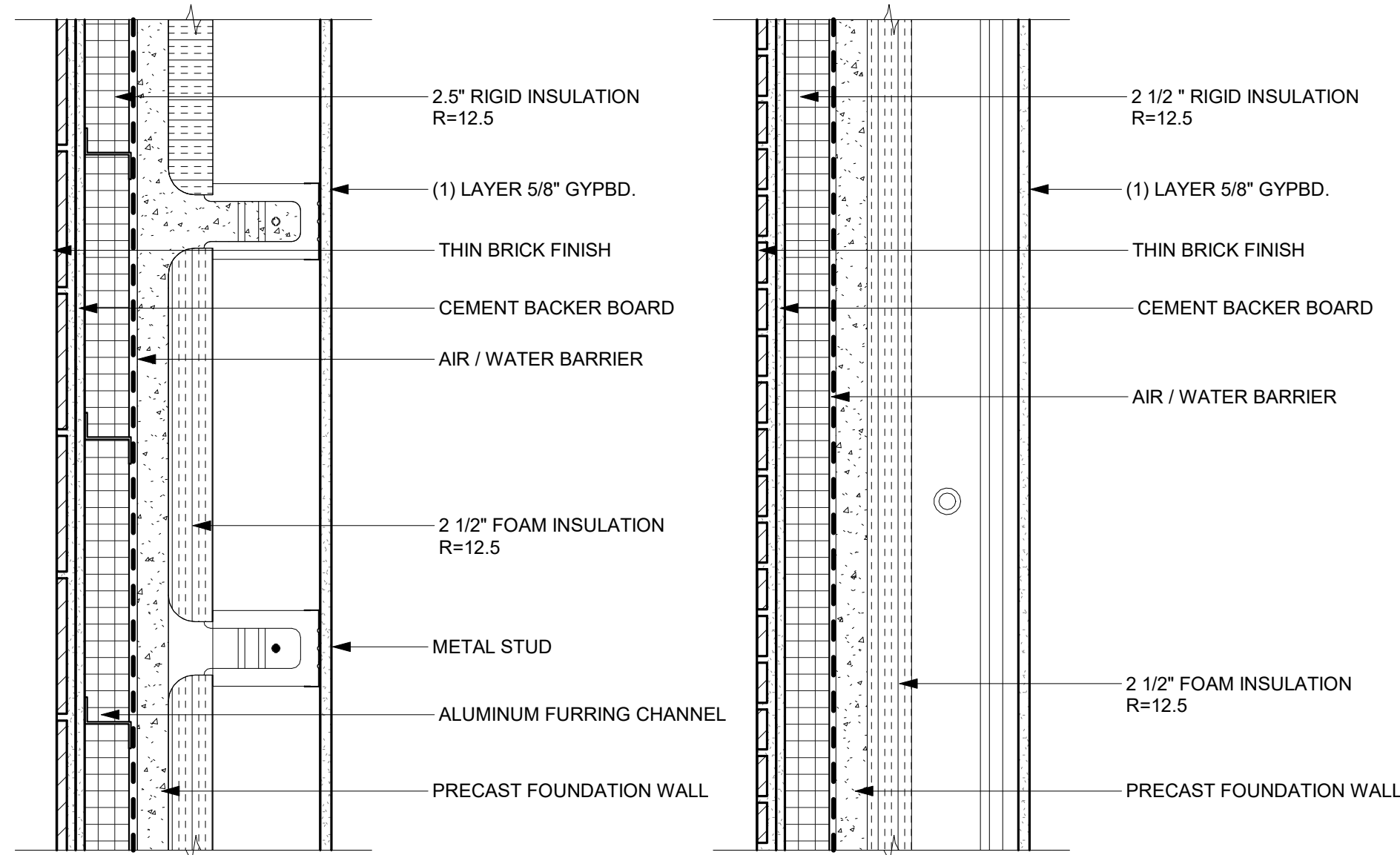
5 2 HOUR RATED PARTITION AT ROOF
 1 1/2" = 1'-0"



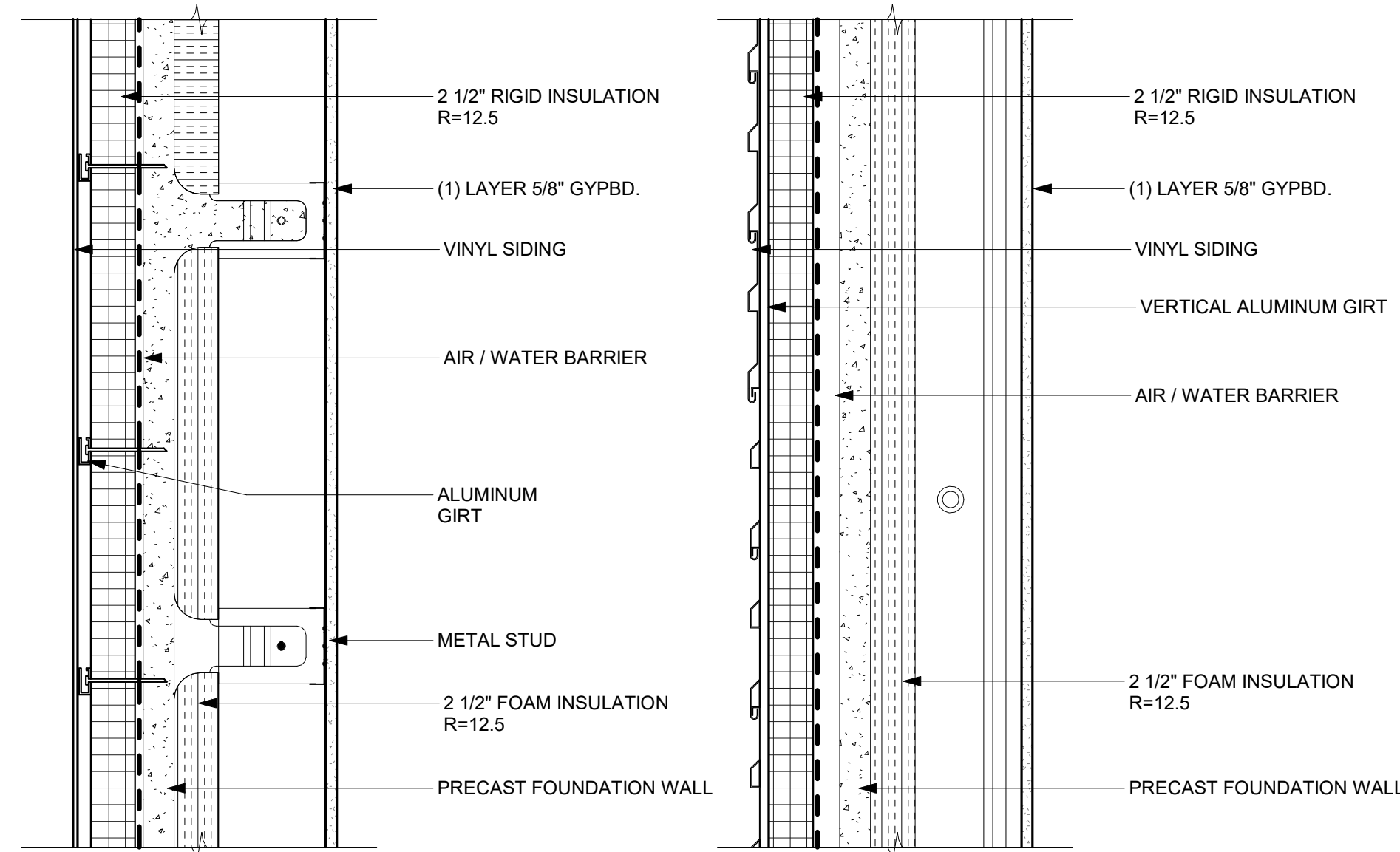
FIRE RATED SEALANT AT SIDE OF RAFTER TO UNDERSIDE OF DECKING

6 2 HOUR RATED PARTITION AT RIDGE
 1 1/2" = 1'-0"

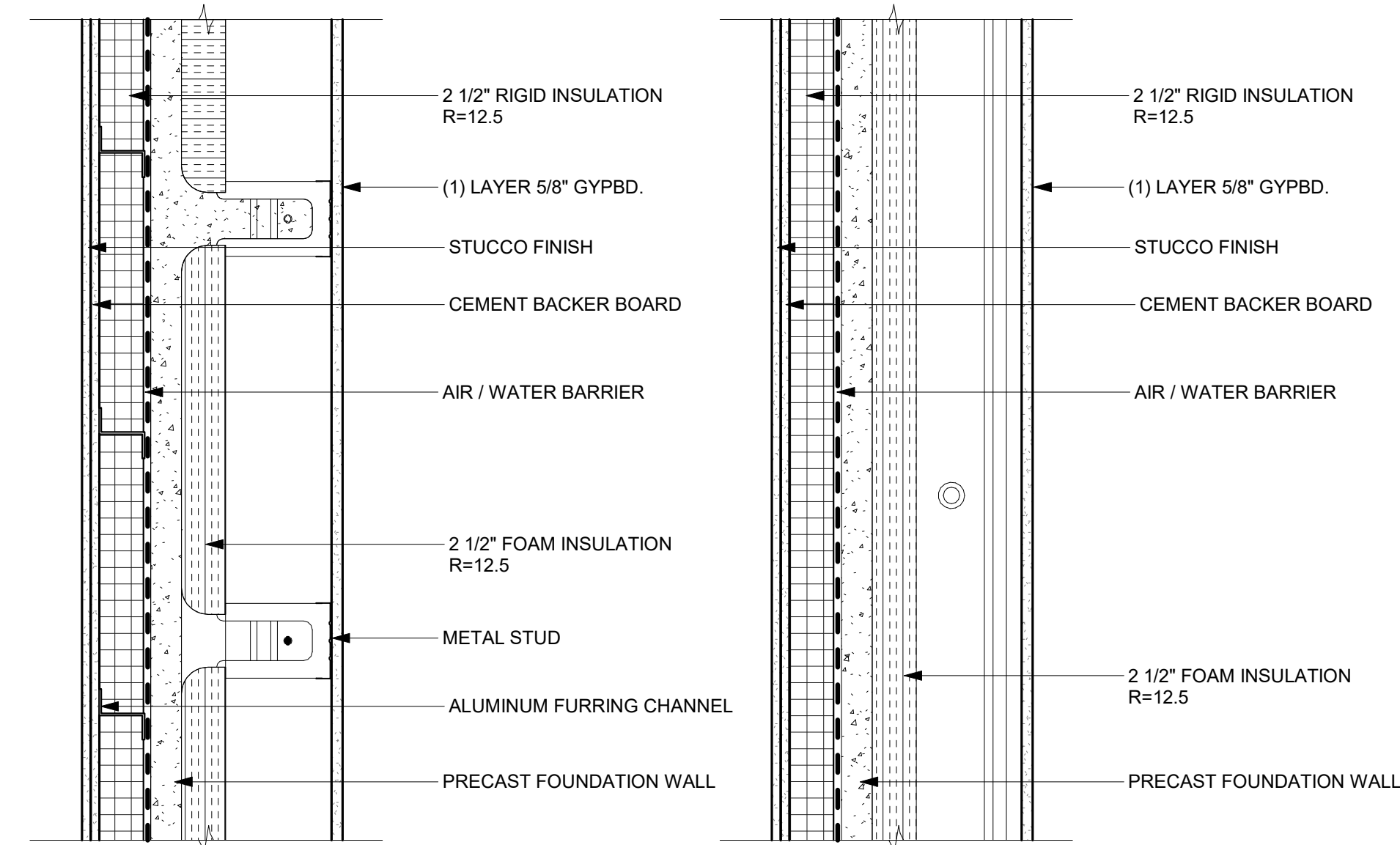
ISSUE/REVISION	DATE
6	ISSUE FOR FILING 01/14/2022
5	90% CD SET 12/1/2021
4	75% CD SET 11/15/2021
3	DESIGN DEVELOPMENT 09/27/2021



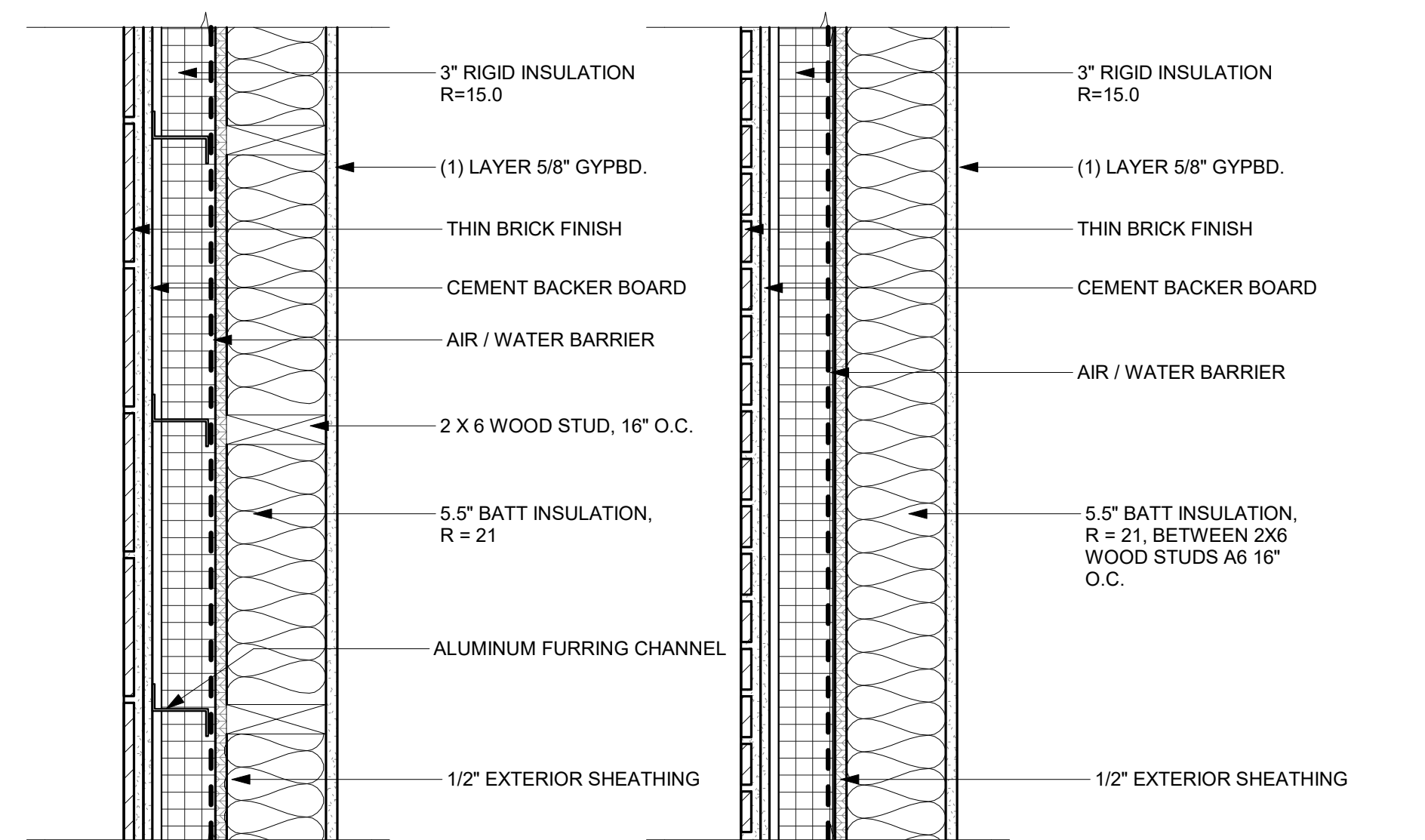
X1 BRICK CLAD FOUNDATION WALL
MINIMUM CONTINUOUS INSULATION = R-11.4 c.i. (COMMERCIAL)



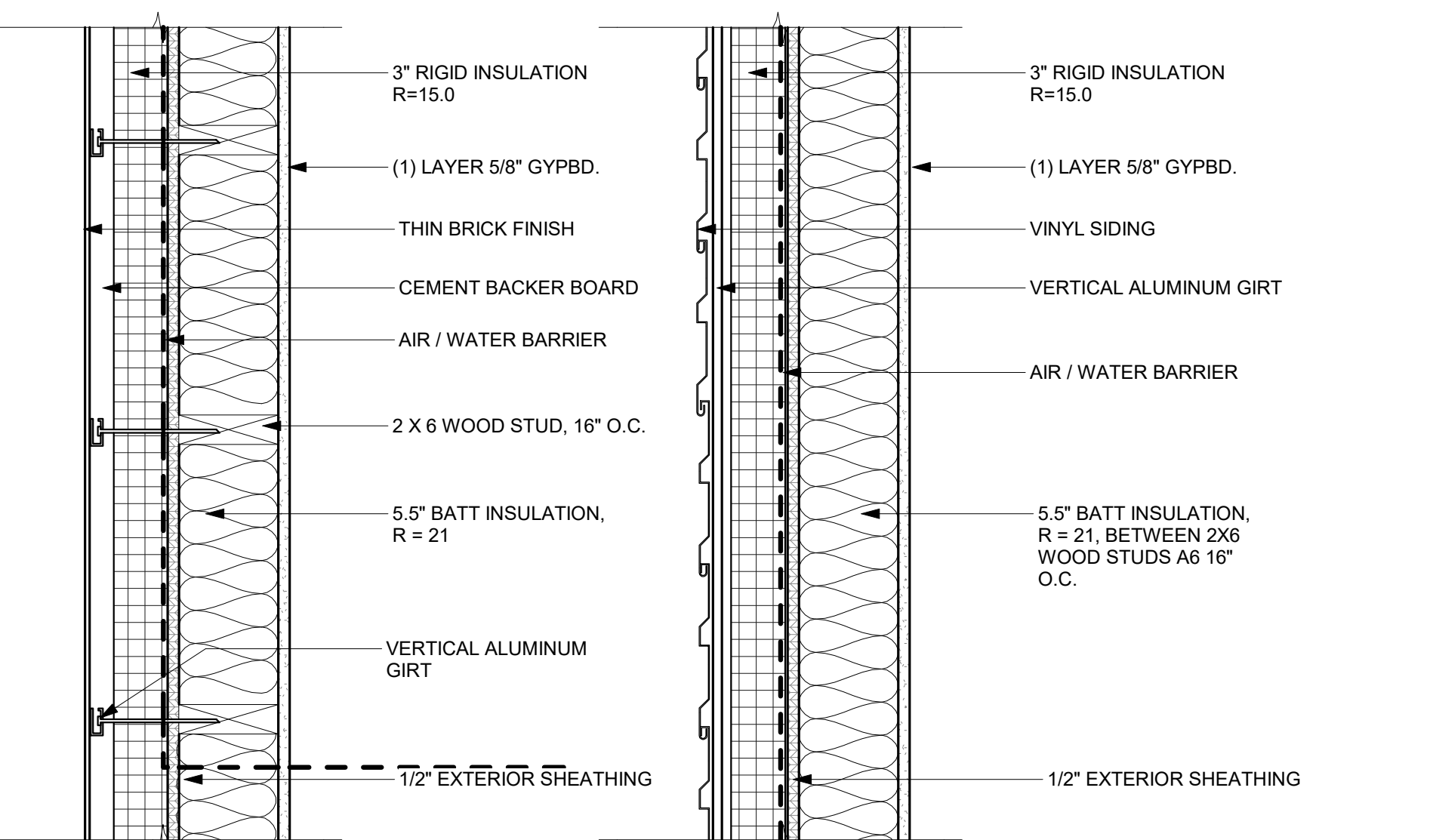
X2 VINYL SIDING CLAD FOUNDATION WALL
MINIMUM CONTINUOUS INSULATION = R-11.4 c.i. (COMMERCIAL)



X3 STUCCO CLAD FOUNDATION WALL
MINIMUM CONTINUOUS INSULATION = R-11.4 c.i. (COMMERCIAL)



X4 BRICK CLAD STUD WALL
MINIMUM INSULATION = R-13 + R-7.5 c.i. (RESIDENTIAL)



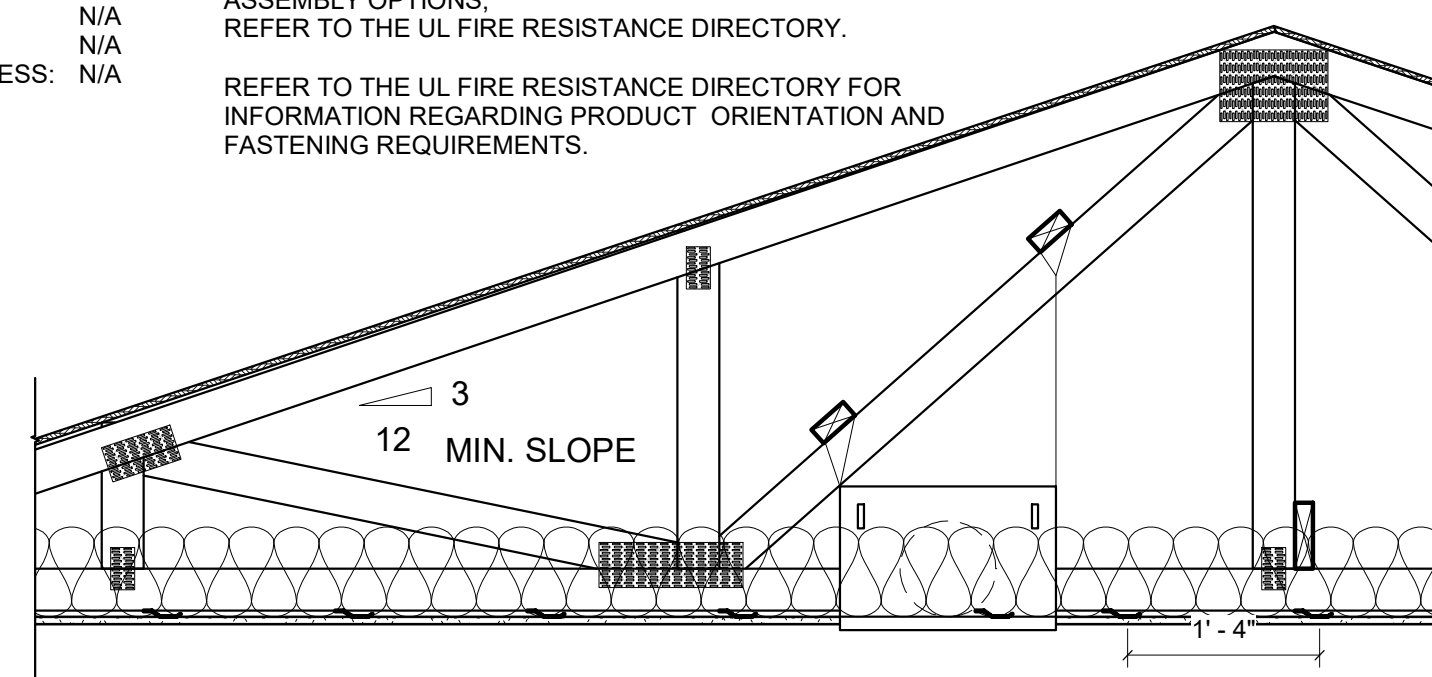
X5 VINYL SIDING CLAD STUD WALL
MINIMUM INSULATION = R-13 + R-7.5 c.i. (RESIDENTIAL)

UL DESIGN NO. P522

FIRE RATING: 1 HOUR
STC: N/A
SOUND TEST: N/A
SYSTEM THICKNESS: N/A

NOTES:

FOR THE MOST UP-TO-DATE INFORMATION OR ASSEMBLY OPTIONS, REFER TO THE UL FIRE RESISTANCE DIRECTORY.
REFER TO THE UL FIRE RESISTANCE DIRECTORY FOR INFORMATION REGARDING PRODUCT ORIENTATION AND FASTENING REQUIREMENTS.



MINIMUM INSULATION = R- 49

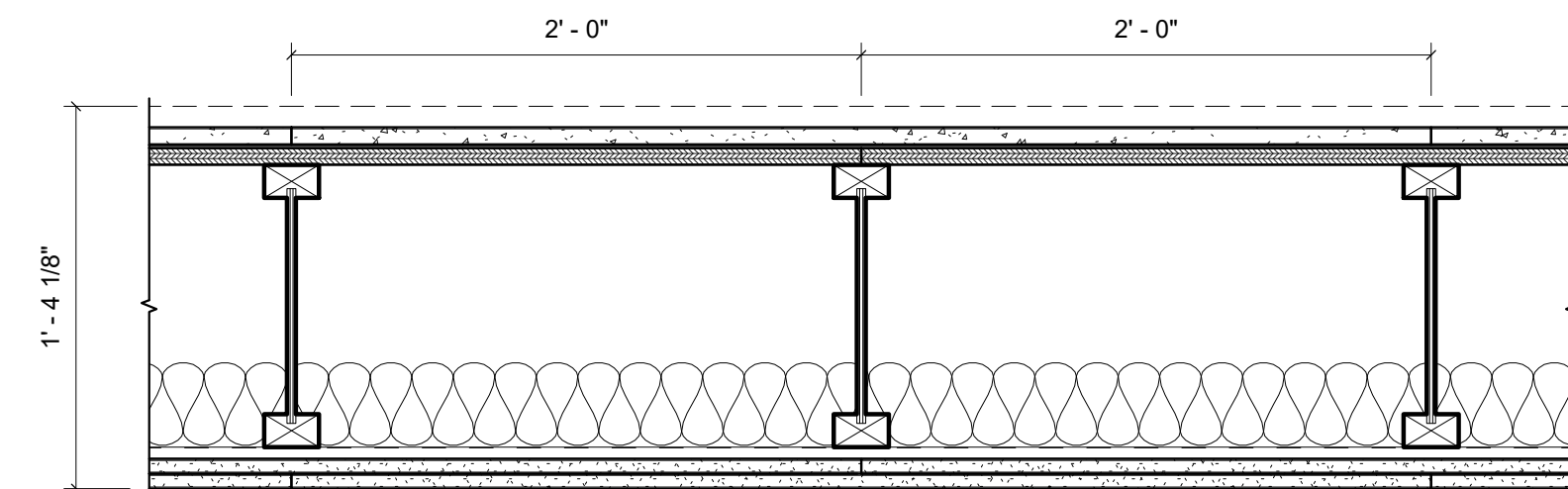
ASSEMBLY OPTIONS:

- ROOFING SYSTEM: ANY UL CLASS A, B OR C ROOFING SYSTEM (TGFU) OR PREPARED ROOF COVERING (TFWZ)
- ROOF SHEATHING: NOM. 15/32" THICK WOOD STRUCTURAL PANELS, MIN. GRADE "C-D" OR "SHEATHING"
- TRUSSES: PITCHED OR PARALLEL CHORD WOOD TRUSSES, SPACED 24" MAX. O.C., FABRICATED FROM NOM. 2x4 LUMBER, ORIENTED VERTICALLY OR HORIZONTALLY. MIN. TRUSS DEPTH SHALL BE 5 1/4" WITH A MIN. ROOF SLOPE OF 3/12
- AIR DUCT: ANY UL CLASS 0 OR CLASS 1 FLEXIBLE AIR DUCT
- CEILING DAMPER: MAX. NOM. AREA, 324 SQ. IN., MAX. SQUARE SIZE, 18" BY 18", RECTANGULAR SIZES NOT TO EXCEED 324 SQ. IN. WITH WIDTH OF 18" MAX., DAMPER HEIGHT 14" MAX.
- CAVITY INSULATION: 3-1/2" THICK MIN. BATTS AND BLANKETS DRAPED OVER RESILIENT CHANNEL AND GYPSUM BOARD CEILING MEMBRANE
- RESILIENT CHANNELS: 1/2" DEEP, 25 GA., INSTALLED PERPENDICULAR TO THE TRUSSES SPACED 16" MAX. O.C.
- GYPSUM BOARD: ONE LAYER 5/8" THICK GYPSUM BOARD (TYPE X)

UL DESIGN NO. L570 2

FIRE RATING: 1 HOUR
STC: 59
SOUND TEST: H5048.06
SYSTEM THICKNESS: 1' 4 3/32"

IIC: 78
SOUND TEST: H5048.06



ASSEMBLY OPTIONS:

- FINISH FLOORING: CARPET & PAD (BY OTHERS)
- FLOOR TOPPING MIXTURE: 3/4" USG LEVELROCK® BRAND 2500 SERIES UNDERLAYMENT
- FLOOR MAT: 1/8" USG LEVELROCK® BRAND SAM-N12™ SOUND ATTENUATION MAT
- SUBFLOORING: 23/32" PLYWOOD PANEL
- STRUCTURAL WOOD MEMBERS: 11-7/8" WOOD I-JOISTS, SPACED 24" O.C.
- INSULATION: 3-1/2" UNFACED GLASS FIBER
- RESILIENT CHANNELS: 25 GA. RESILIENT CHANNELS SPACED 16" O.C. (SOUND TESTED WITH RC DELUXE®)
- GYPSUM BOARD: TWO LAYERS 5/8" USG SHEETROCK® BRAND ECOSMART PANELS FIRECODE® X (UL TYPE ULIX™)

BUILDING ENVELOPE REQUIREMENTS

ASHRAE 90.1 2016 Edition
Table 5.5-5 Building Envelope requirements for Climate Zone 5(A,B,C)

Opaque Elements	Non-Residential		Residential		Semi-Heated	
	Assembly Maximum	Insulation Minimum R-Value	Assembly Maximum	Insulation Minimum R-Value	Assembly Maximum	Insulation Minimum R-Value
Roofs						
Insulation entirely above deck	U-0.032	R-30 c.i.	U-0.032	R-30 c.i.	U-0.063	R-15 c.i.
Metal Building	U-0.037	R-19 + R-11 Ls or R-25 + R-8 Ls	U-0.037	R-19 + R-11 Ls or R-25 + R-8 Ls	U-0.082	R-19
Attics and Other	U-0.021	R-49	U-0.021	R-49	U-0.034	R-30
Walls, above grade						
Mass	U-0.090	R-11.4 c.i.	U-0.080	R-13.3 c.i.	U-0.151 (b)	R-5.7 c.i. (b)
Metal building	U-0.050	R-0 + R-19 c.i.	U-0.050	R-0 + R-19 c.i.	U-0.094	R-0 + R-9.8 c.i.
Metal-framed	U-0.055	R-13+ R-10 c.i.	U-0.055	R-13+ R-10 c.i.	U-0.084	R-13 + R-3.8 c.i.
Wood-framed and other	U-0.051	R-13 + R-7.5 c.i. or R-19 + R-5 c.i.	U-0.051	R-13 + R-7.5 c.i. or R-19 + R-5 c.i.	U-0.089	R-13
Walls, below grade						
Walls, below grade	C-0.119	R-7.5 c.i.	C-0.092	R-10 c.i.	C-1.140	NR
Floors						
Mass	U-0.057	R-14.6 c.i.	U-0.051	R-16.7 c.i.	U-0.107	R-6.3 c.i.
Steel joist	U-0.038	R-30	U-0.038	R-30	U-0.052	R-19
Wood-framed and other	U-0.033	R-30	U-0.033	R-30	U-0.051	R-19
Slab-on-Grade Floors						
Unheated	F-0.520	R-15 for 24 in.	F-0.510	R-15 for 24 in.	F-0.790	NR
Heated	F-0.688	R-20 for 48 in.	F-0.688	R-20 for 48 in.	F-0.900	R-10 for 24 in.
Opaque						
Swinging	U-0.370		U-0.370		U-0.370	
Non-swinging	U-0.310		U-0.310		U-0.360	
Fenestration						
Vertical Fenestration 0% to 40% of Wall	(for all frame types)		(for all frame types)		(for all frame types)	
Nonmetal framing, all	0.31	0.38	1.10	0.31	0.38	1.10
Metal framing, fixed	0.38			0.38		0.62
Metal framing, operable	0.46			0.46		0.70
Wood-framed and other	0.68			0.68		0.77
Skylight, 0% to 3% of Roof						
All types	0.50	0.40	NR	0.50	0.40	NR

c.i. = continuous insulation
FC = filled cavity
Ls = liner system

Paterson Habitat For Humanity
146 North 1st Street
Paterson, NJ 07522

PROJECT NAME
**MIXED USE BUILDING
VFW HALL / RESIDENTIAL
135 SUMMER STREET
PASSAIC NJ 07055**

CHEN O'NEIL ARCHITECTS, PLLC
29 GANUNG DRIVE
OSSINING, NY 10562
646-812-5566

MEP/FP ENGINEER:
KEAO
ENGINEERS
Engineering Excellence since 1984
186 Wood Ave South, 1ST Floor
Iselin, NJ 08830
t: 732-635-0044

CIVIL ENGINEER:
Golden & Moran Engineering
22 Angelo Drive
Sparta, NJ 07871
t: (973) 714-2131

STRUCTURAL ENGINEER:
E Taher Engineering LLC
PO BOX 293
Clifton, NJ 07015
t: (973) 253-6183

APPLICANT:
Paterson Habitat for Humanity
146 North 1st Street
Paterson, NJ 07522
t: (973) 595-6868

6	ISSUE FOR FILING	01/14/2022
5	90% CD SET	12/1/2021
4	75% CD SET	11/15/2021
3	DESIGN DEVELOPMENT	09/27/2021
1	SITE PLAN SUBMISSION	10/27/2020

ISSUE/REVISION	DATE
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DRAWING TITLE
EXTERIOR PARTITION TYPES, ASSEMBLY VALUES

DRAWING NO.
A-501

DATE: 01/14/22
SCALE: As indicated

STAMP & SIGNATURE

NJ LICENSE 20591



Paterson Habitat For Humanity
146 North 1st Street
Paterson, NJ 07522

PROJECT NAME

**MIXED USE BUILDING
VFW HALL / RESIDENTIAL**
135 SUMMER STREET
PASSAIC NJ 07055

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5	90% CD SET	12/1/2021
4	75% CD SET	11/15/2021
3	DESIGN DEVELOPMENT	09/27/2021

ISSUE/REVISION DATE

DRAWING TITLE

NORTH WALL SECTIONS

DRAWING NO.

A-600

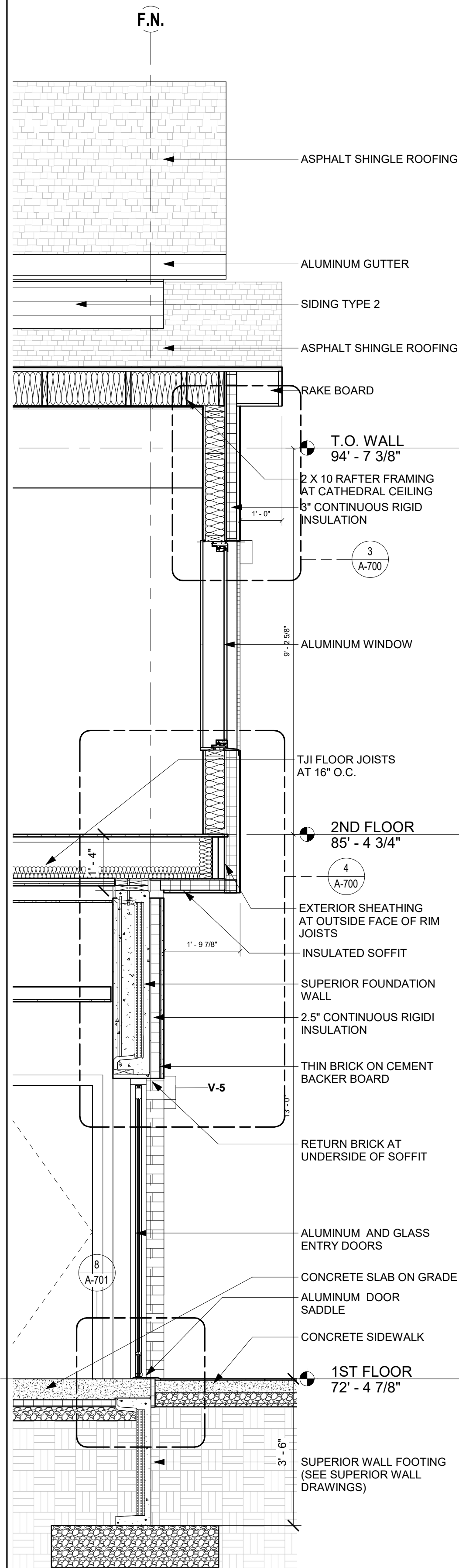
DATE: 01/14/22

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

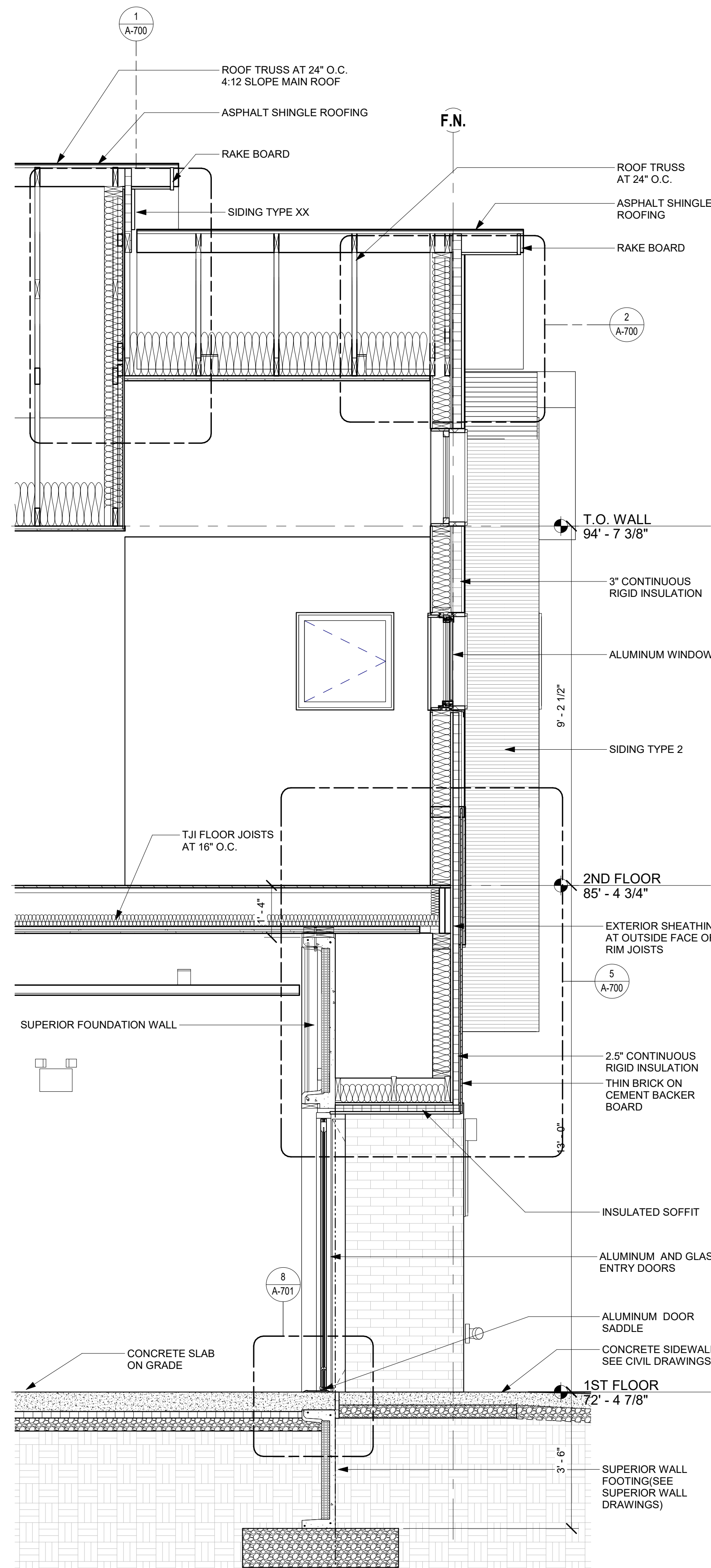
STAMP & SIGNATURE



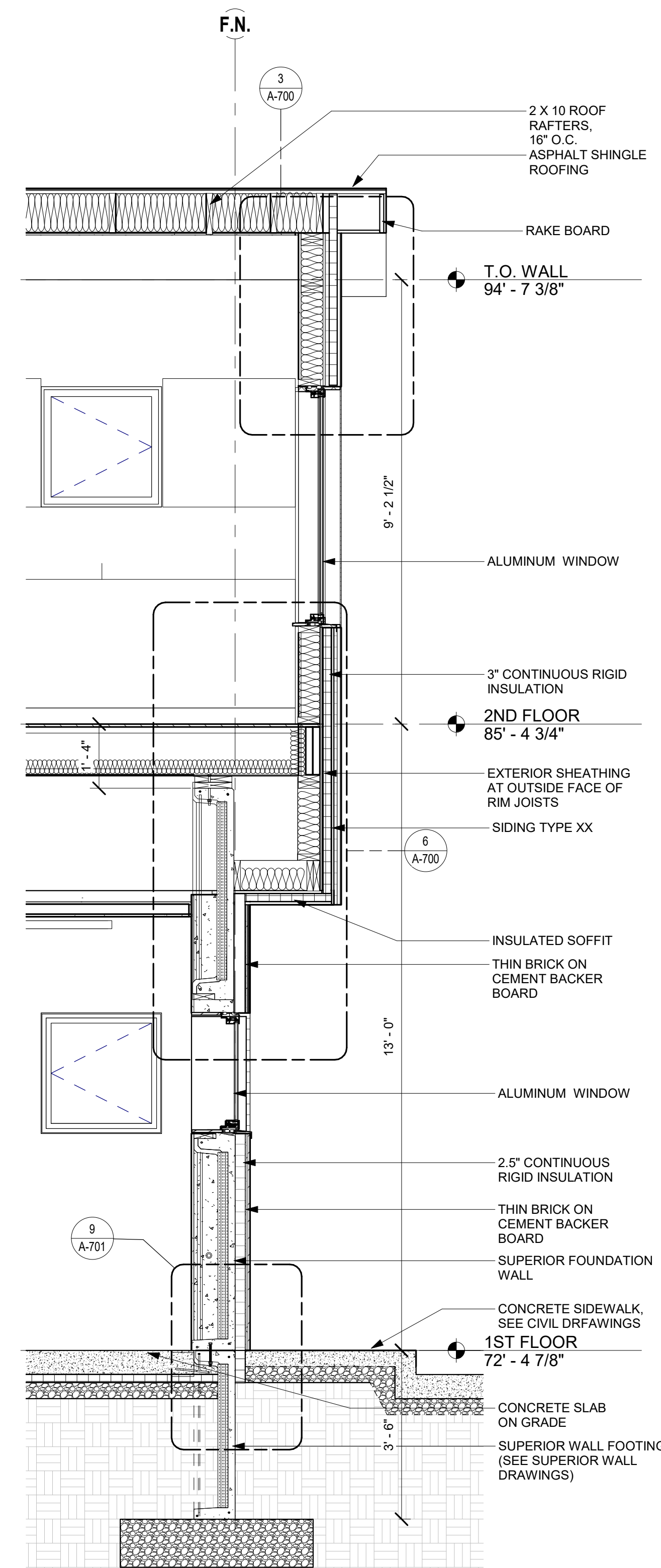
NJ LICENSE 20591



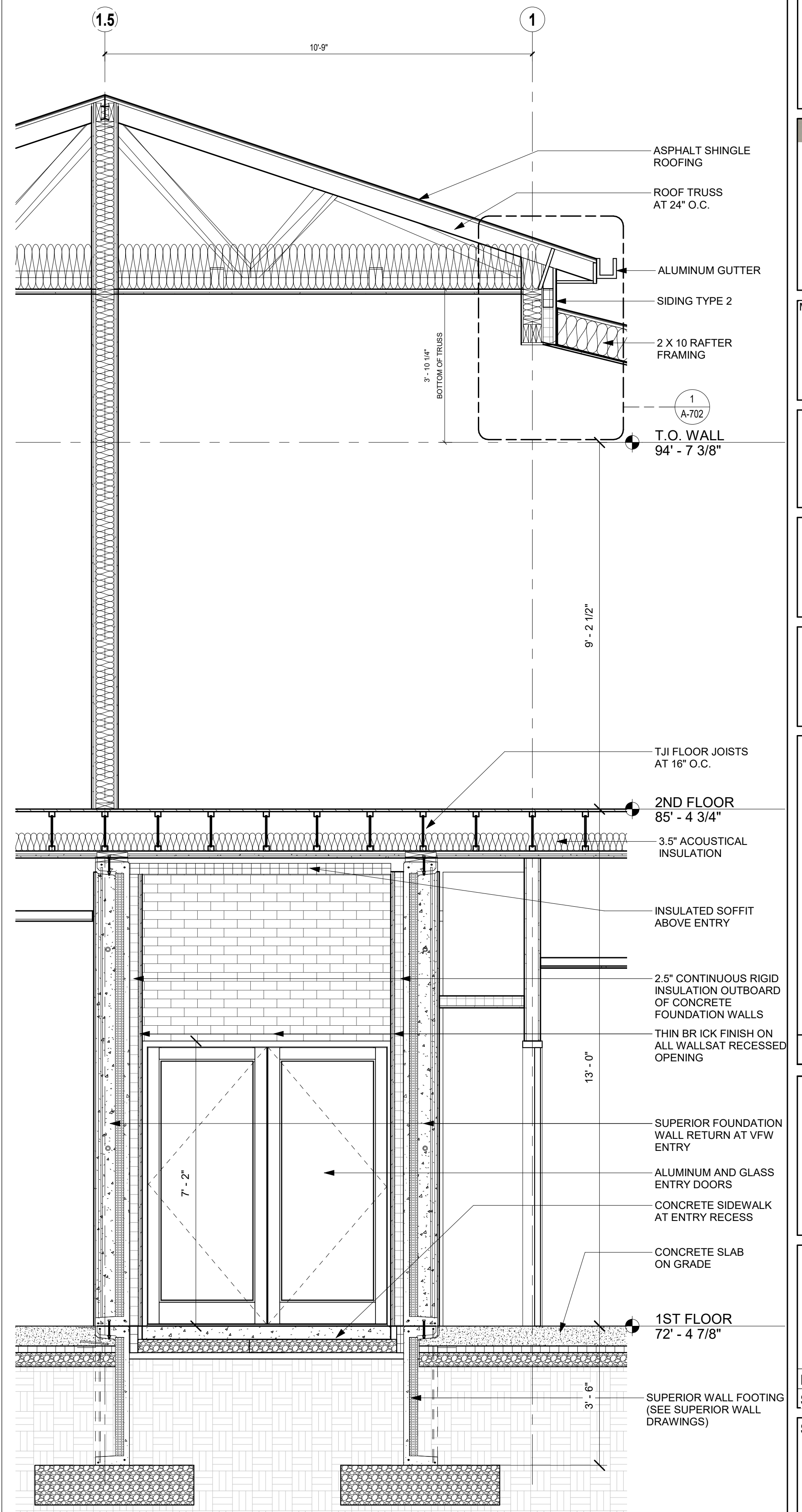
1 NORTH WALL SECTION AT RESIDENTIAL ENTRY
1/2" = 1'-0"



2 NORTH WALL SECTION AT VFW ENTRY
1/2" = 1'-0"



3 NORTH WALL WALL SECTION AT VFW MEETING ROOM
1/2" = 1'-0"



4 CROSS SECTION AT VFW ENTRY RETURN WALLS
1/2" = 1'-0"



Paterson Habitat For Humanity
146 North 1st Street
Paterson, NJ 07522

PROJECT NAME
**MIXED USE BUILDING
VFW HALL / RESIDENTIAL
135 SUMMER STREET
PASSAIC NJ 07055**

CHEN O'NEIL ARCHITECTS, PLLC
29 GANUNG DRIVE
OSSINING, NY 10562
646-812-5566

MEP/FP ENGINEER:
KEAO
ENGINEERS
Engineering Excellence since 1984
186 Wood Ave South, 1ST Floor
Iselin, NJ 08830
t: 732-635-0044

CIVIL ENGINEER:
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Sparta, NJ 07871
t: (973) 714-2131

STRUCTURAL ENGINEER:
E Taher Engineering LLC
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Clifton, NJ 07015
t: (973) 253-6183

APPLICANT:
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t: (973) 595-6868

6	ISSUE FOR FILING	01/14/2022
5	90% CD SET	12/1/2021
4	75% CD SET	11/15/2021
3	DESIGN DEVELOPMENT	09/27/2021

ISSUE/REVISION	DATE
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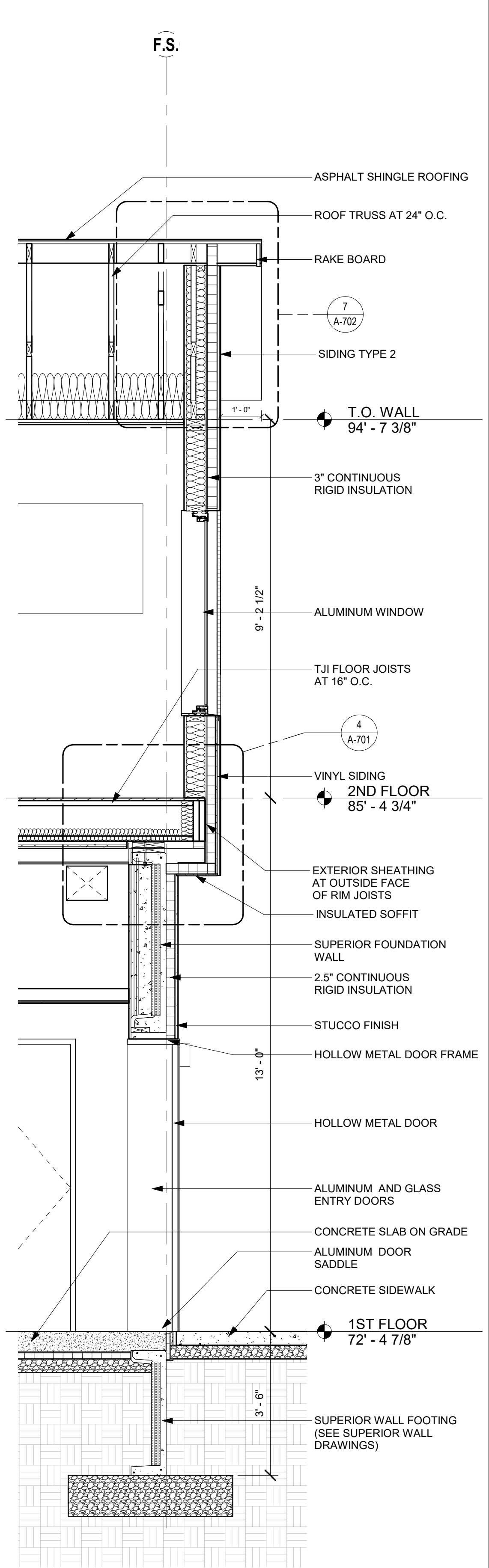
DRAWING TITLE
SOUTH AND EAST WALL SECTIONS

DRAWING NO.
A-601

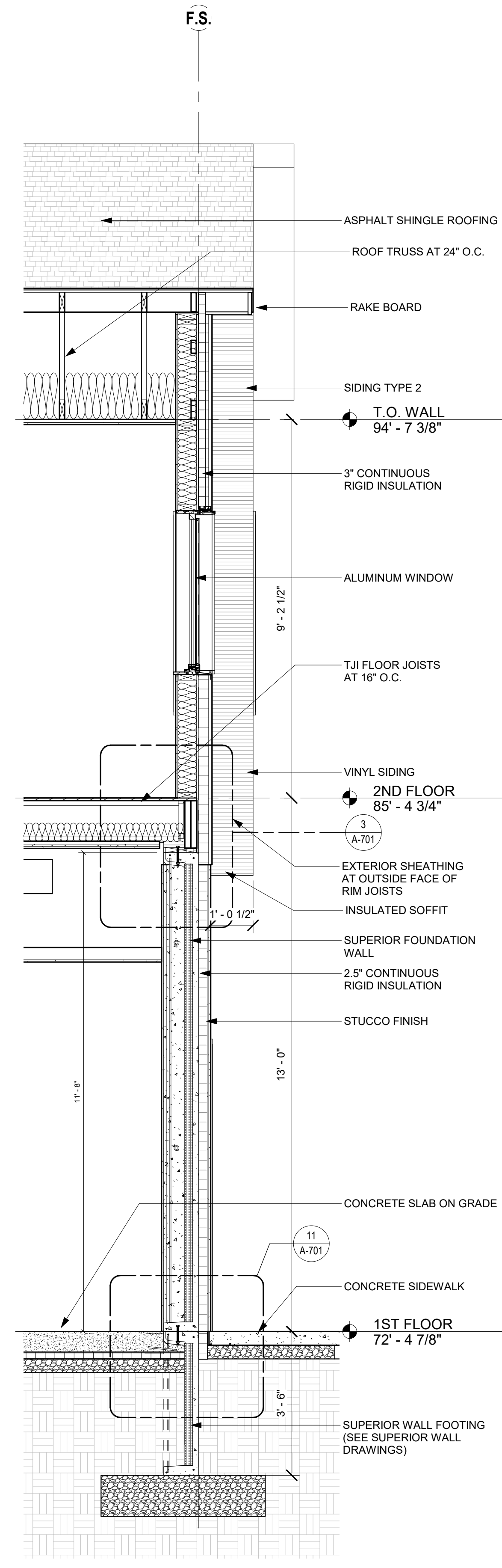
DATE: **01/14/22**
SCALE: **As indicated**

STAMP & SIGNATURE

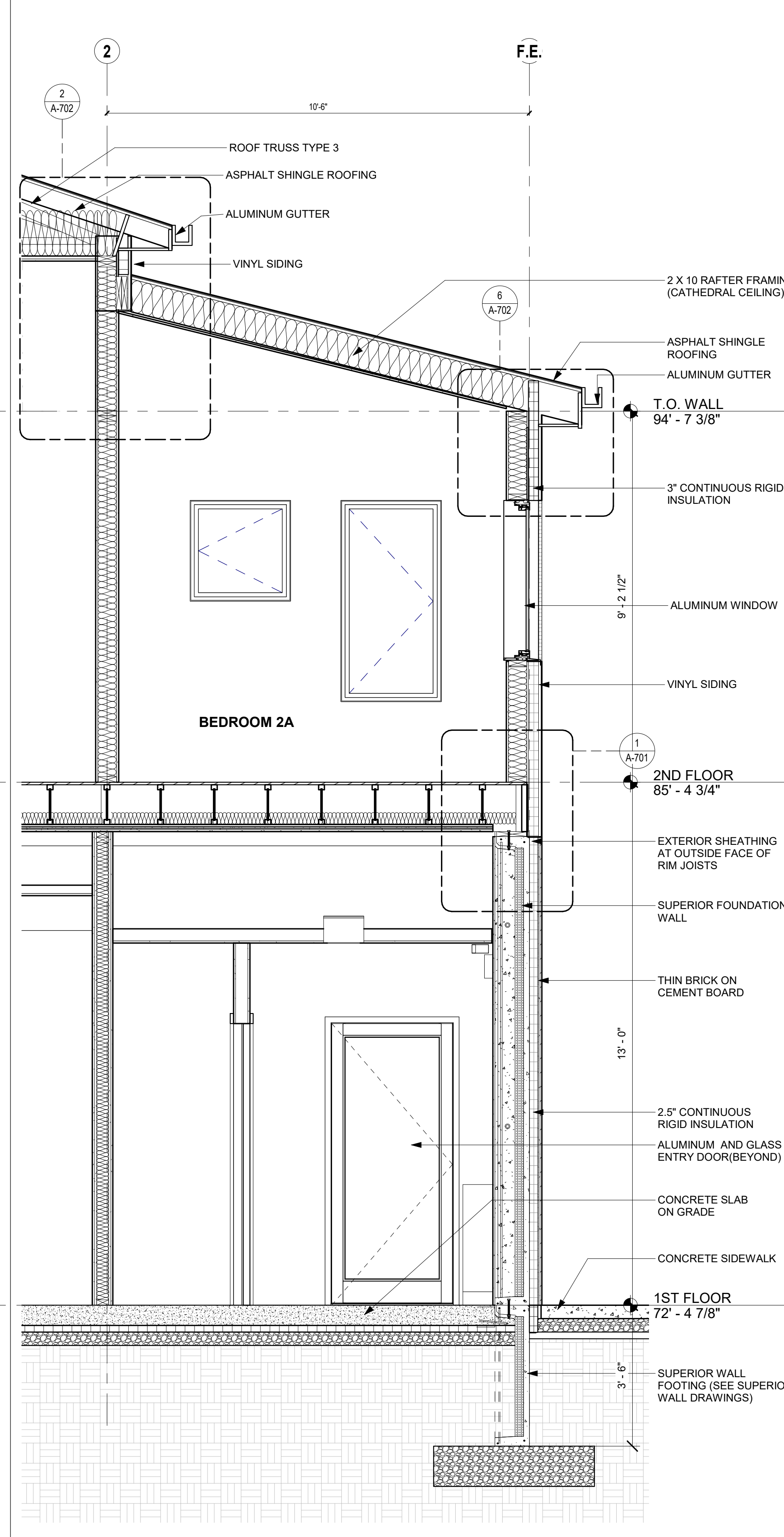
NJ LICENSE 20591



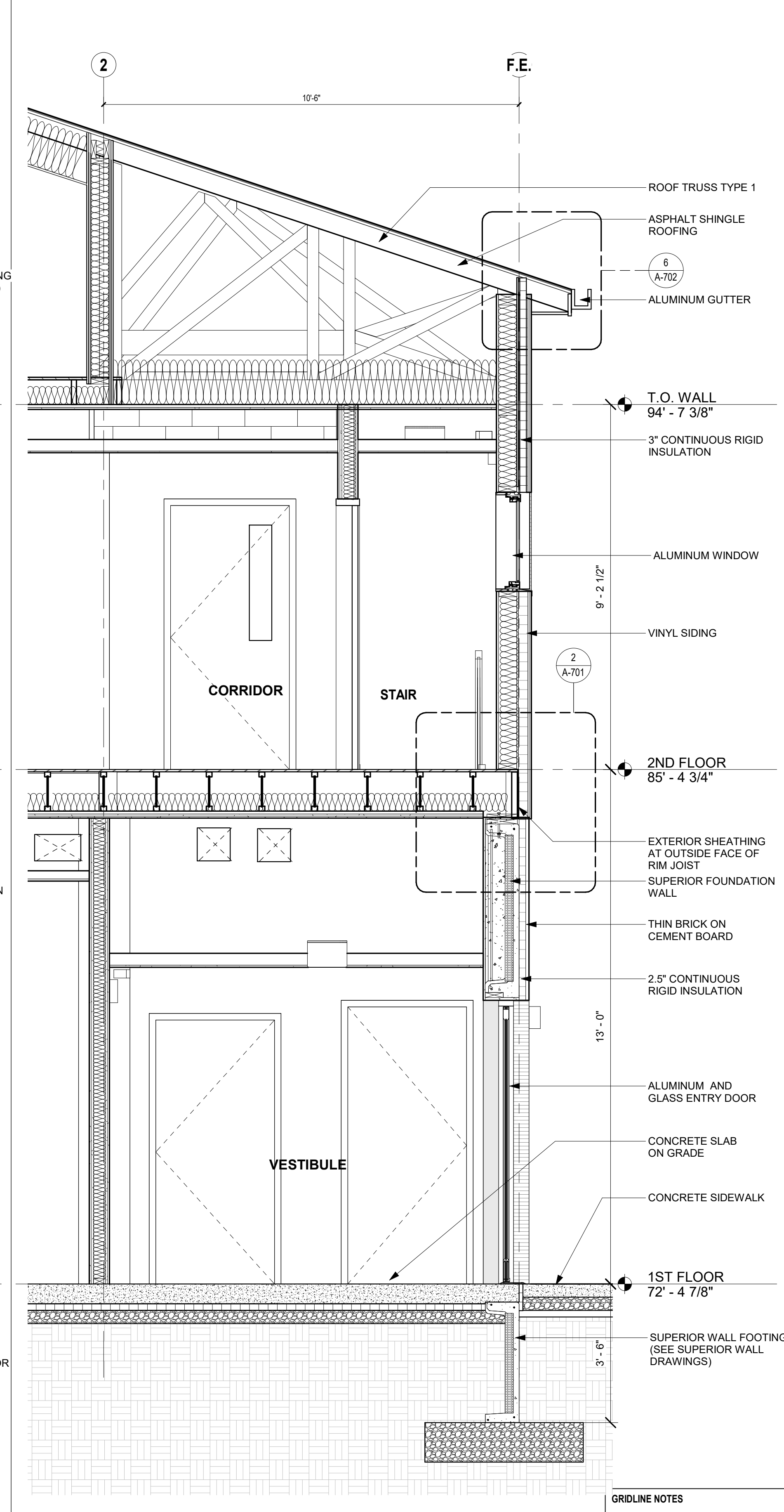
1 SOUTH WALL SECTION AT VFW DOOR
1/2" = 1'-0"



2 SOUTH WALL SECTION AT UNIT C
1/2" = 1'-0"



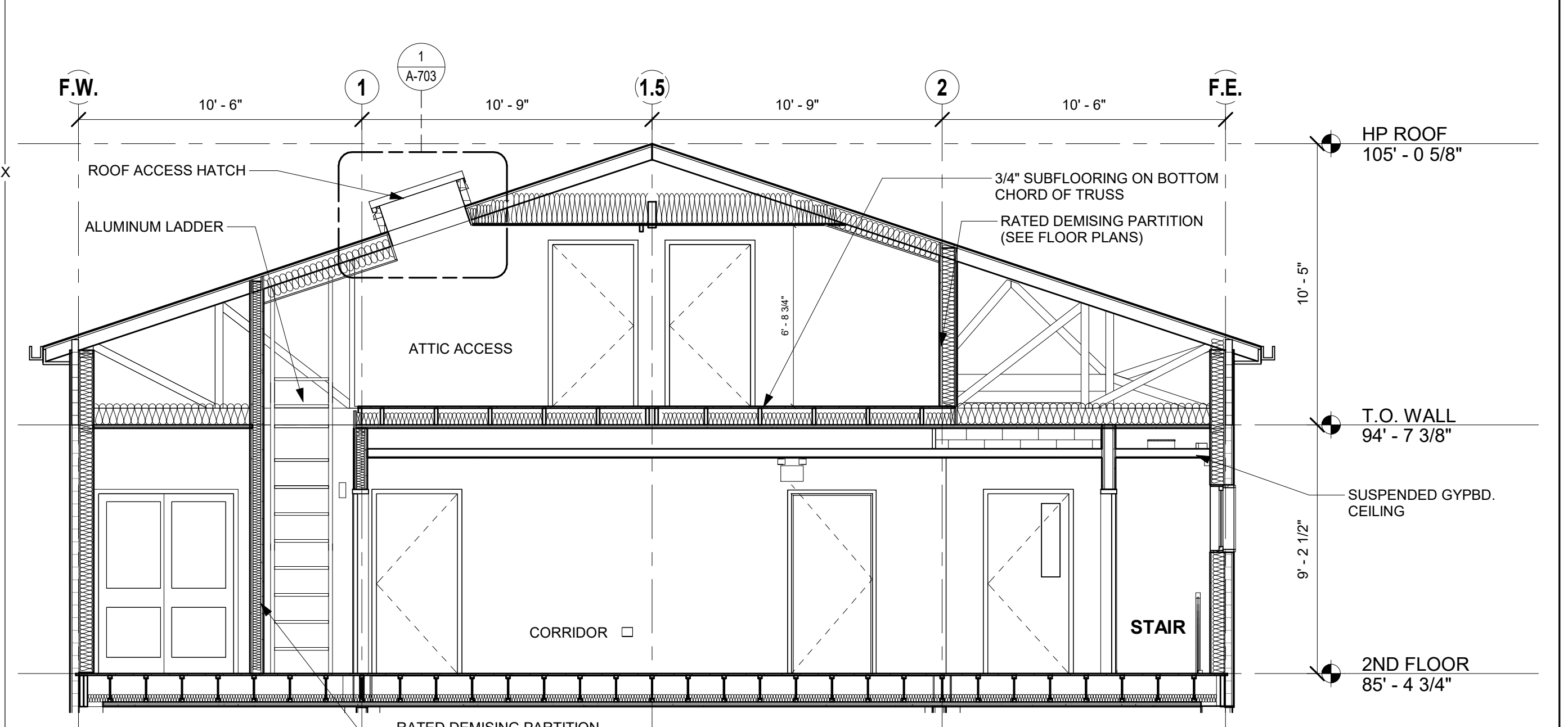
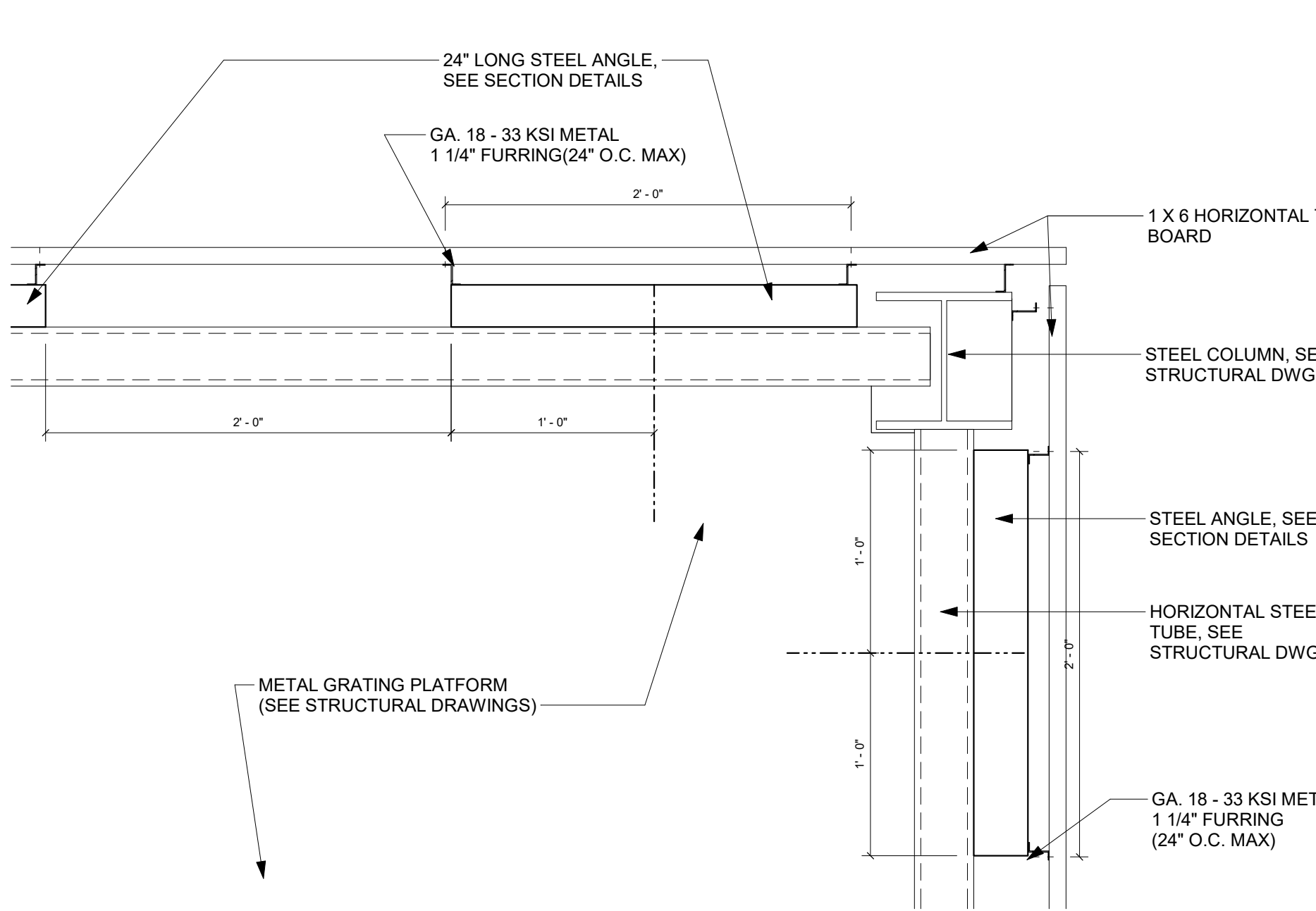
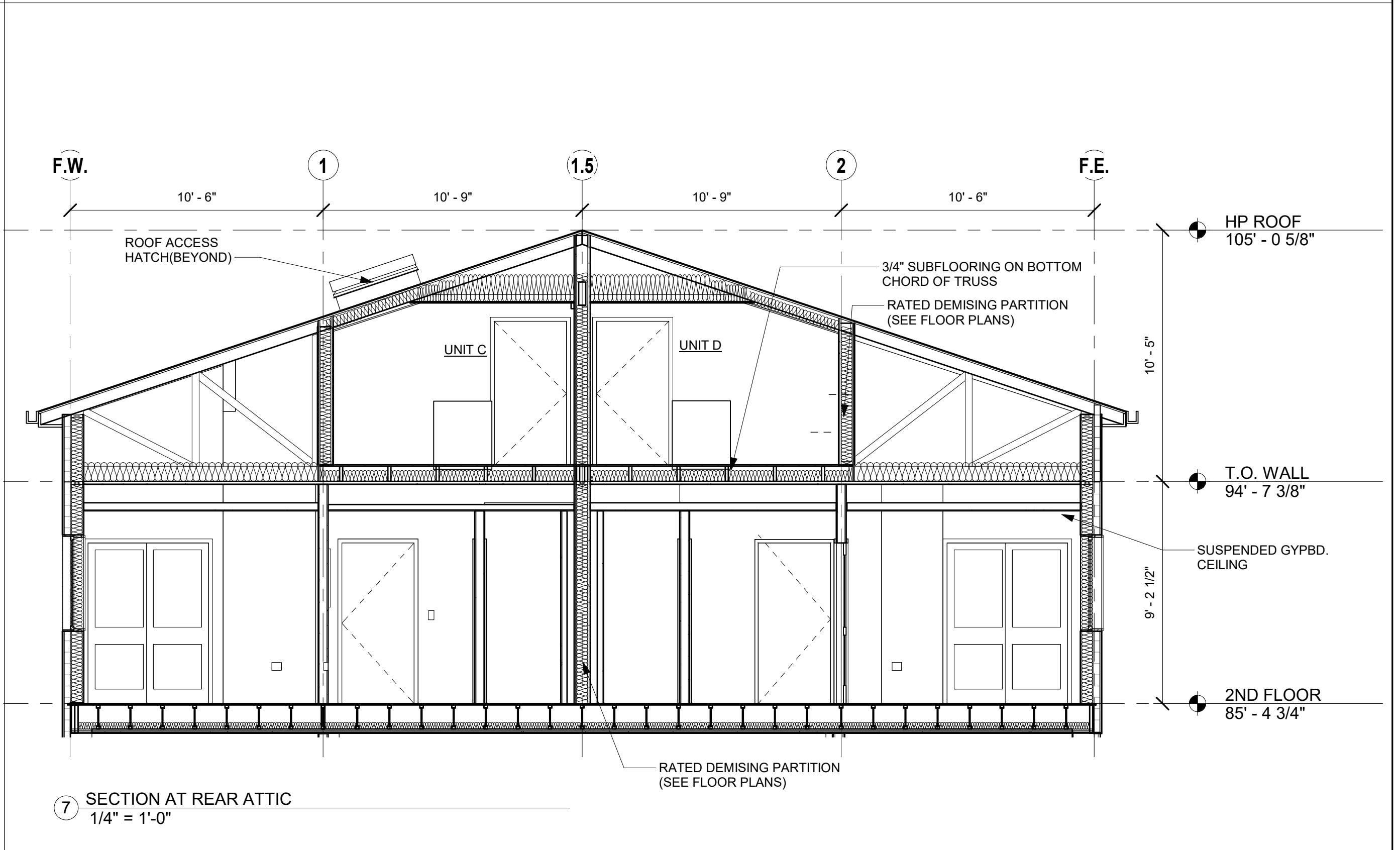
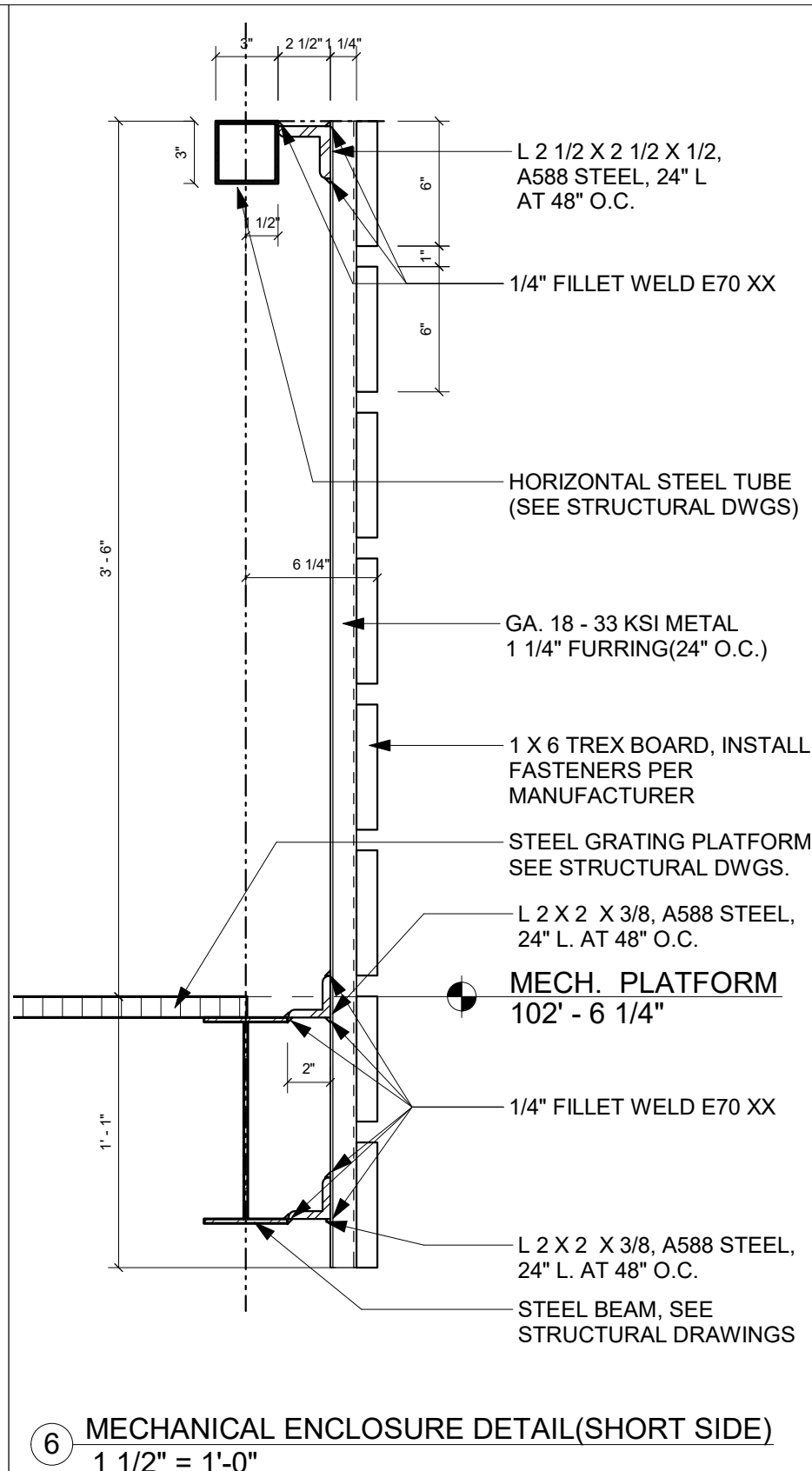
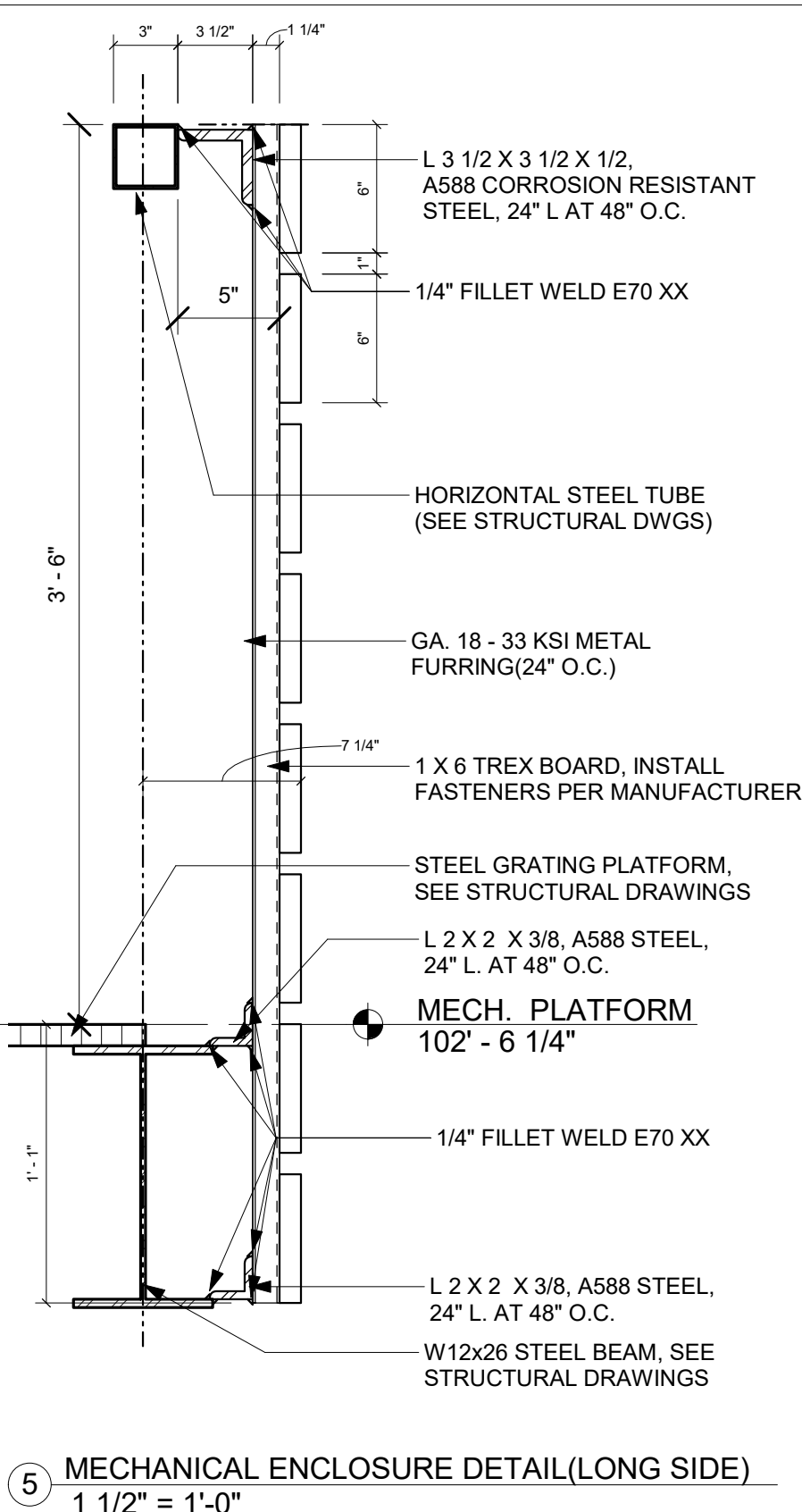
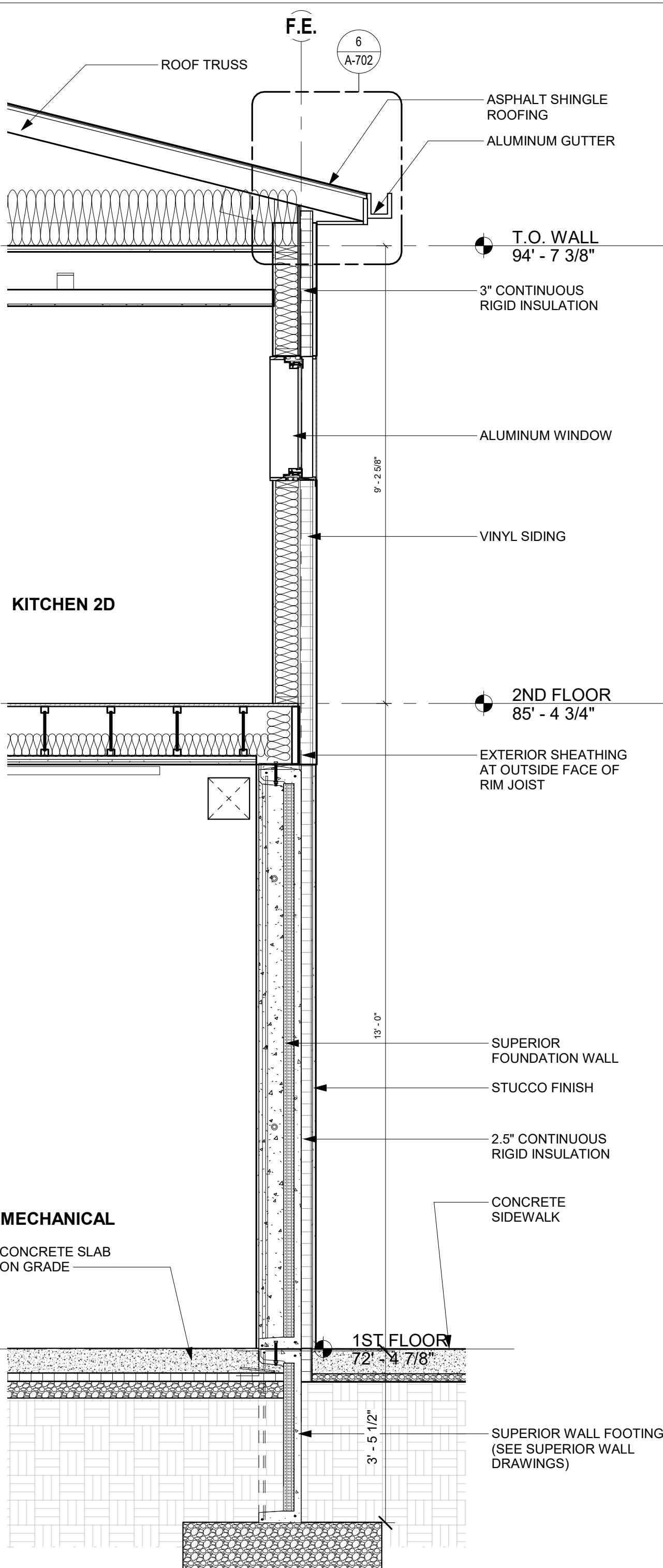
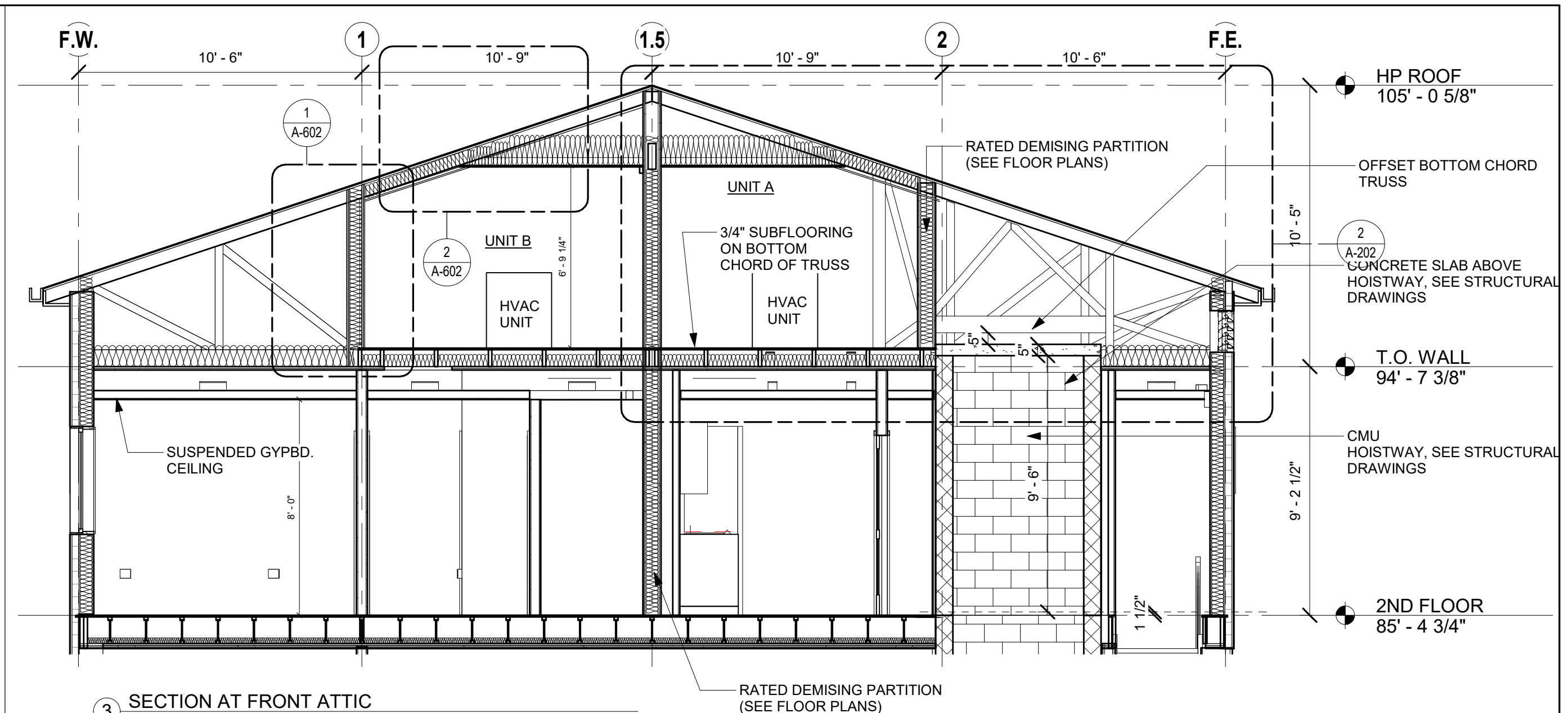
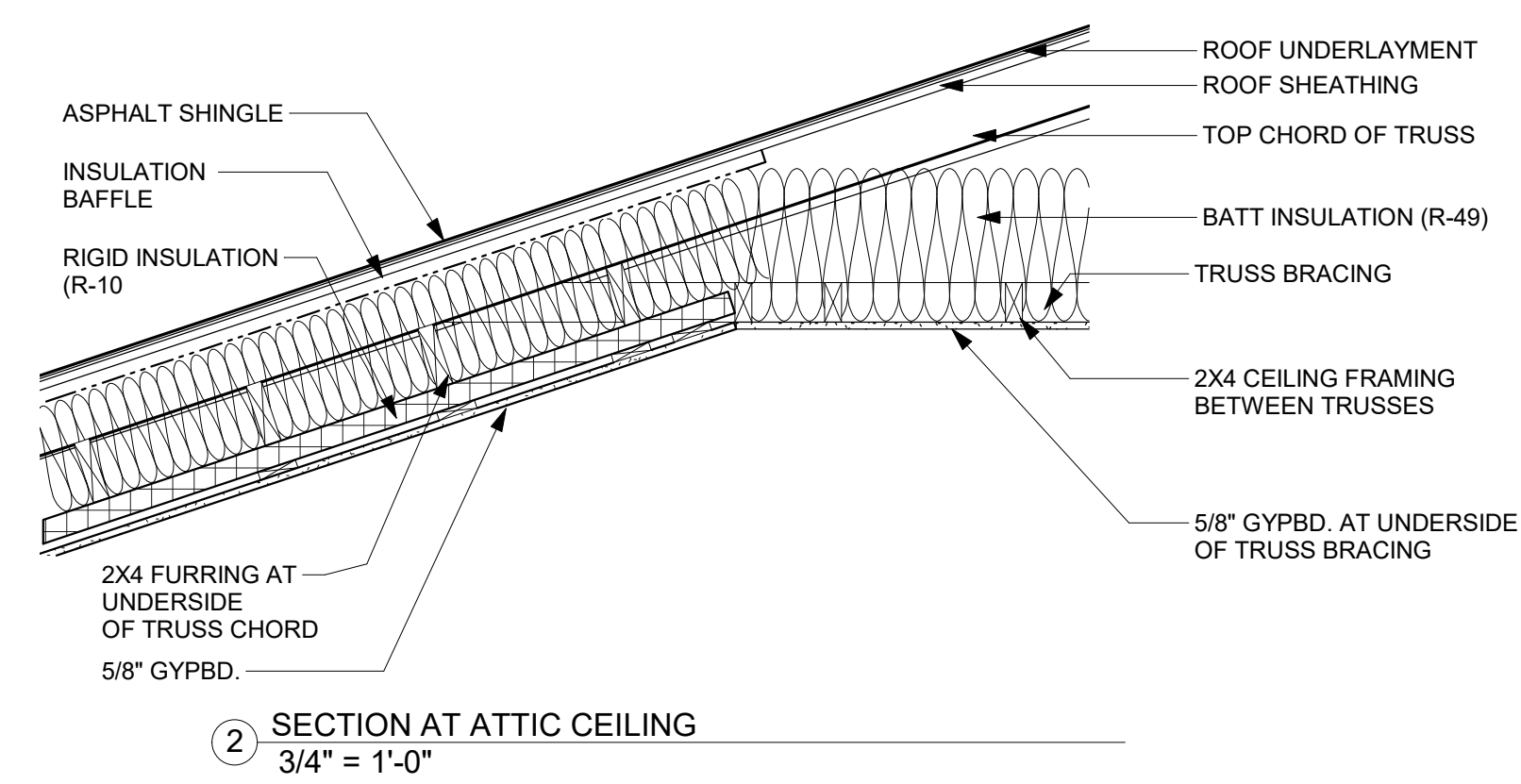
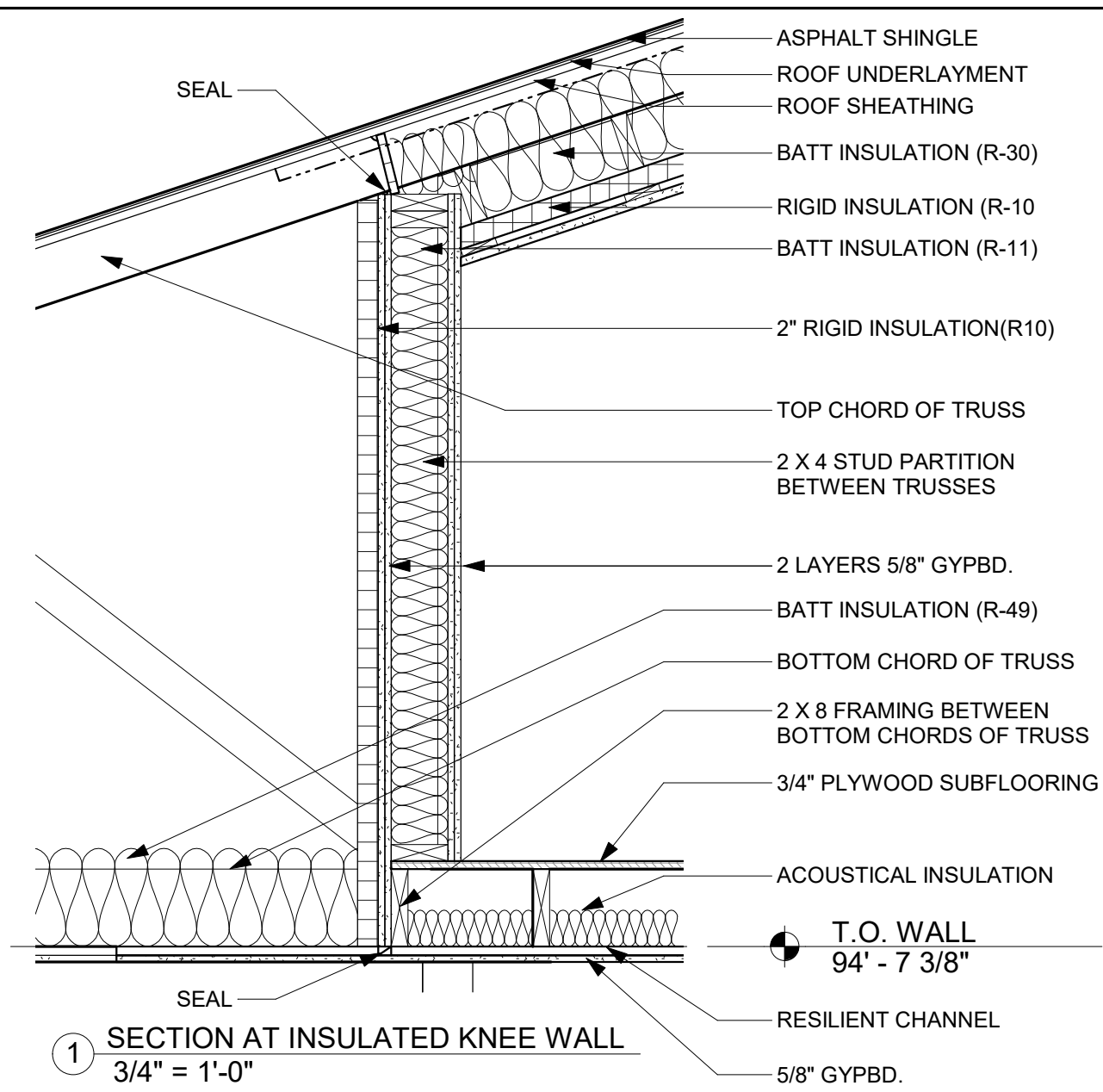
3 EAST WALL SECTION AT RESIDENTIAL ENTRY
1/2" = 1'-0"



4 EAST WALL SECTION AT CORRIDOR
1/2" = 1'-0"

GRIDLINE NOTES

GRID 1.5	= CENTERLINE OF BUILDING
GRID F.N.	= OUTSIDE FACE OF CONCRETE AT NORTH FOUNDATION WALL
GRID F.S.	= OUTSIDE FACE OF CONCRETE AT SOUTH FOUNDATION WALL
GRID F.E.	= OUTSIDE FACE OF CONCRETE AT EAST FOUNDATION WALL
GRID F.W.	= OUTSIDE FACE OF CONCRETE AT WEST FOUNDATION WALL



6	ISSUE FOR FILING	01/14/2022
5	90% CD SET	12/1/2021
4	75% CD SET	11/15/2021
3	DESIGN DEVELOPMENT	09/27/2021

ISSUE/REVISION	DATE
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DRAWING TITLE
ROOF AND PLATFORM SECTIONS

DRAWING NO.
A-602

DATE: 1/6/22
SCALE: As indicated

STAMP & SIGNATURE

NJ LICENSE 20591



Paterson Habitat For Humanity
146 North 1st Street
Paterson, NJ 07522

PROJECT NAME

MIXED USE BUILDING
VFW HALL / RESIDENTIAL
135 SUMMER STREET
PASSAIC NJ 07055

ARCHITECT

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6	ISSUE FOR FILING	01/14/2022
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3	DESIGN DEVELOPMENT	09/27/2021

ISSUE/REVISION DATE

DRAWING TITLE

WALL SECTION DETAILS - NORTH WALL

DRAWING NO.

A-700

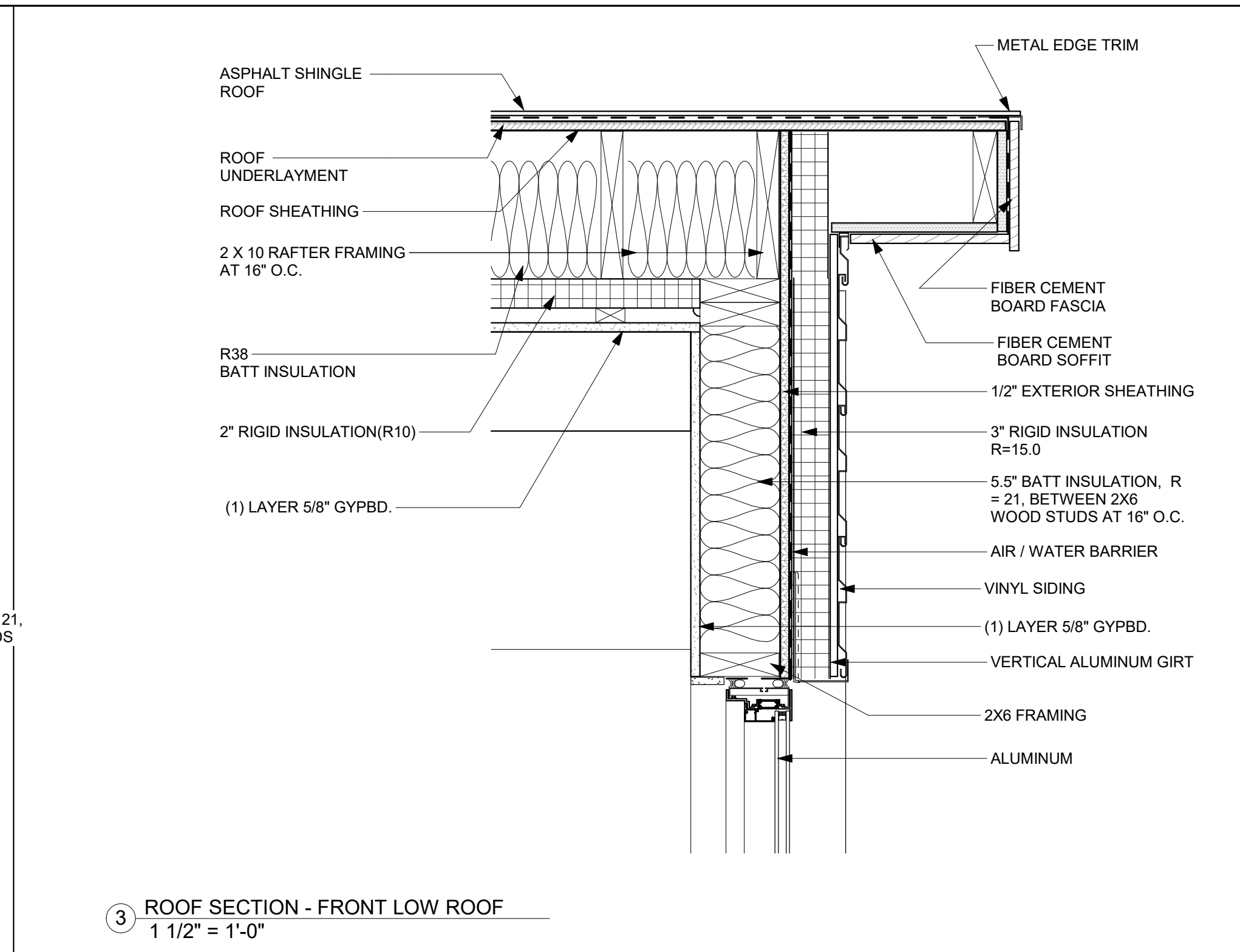
DATE: 01/14/22

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

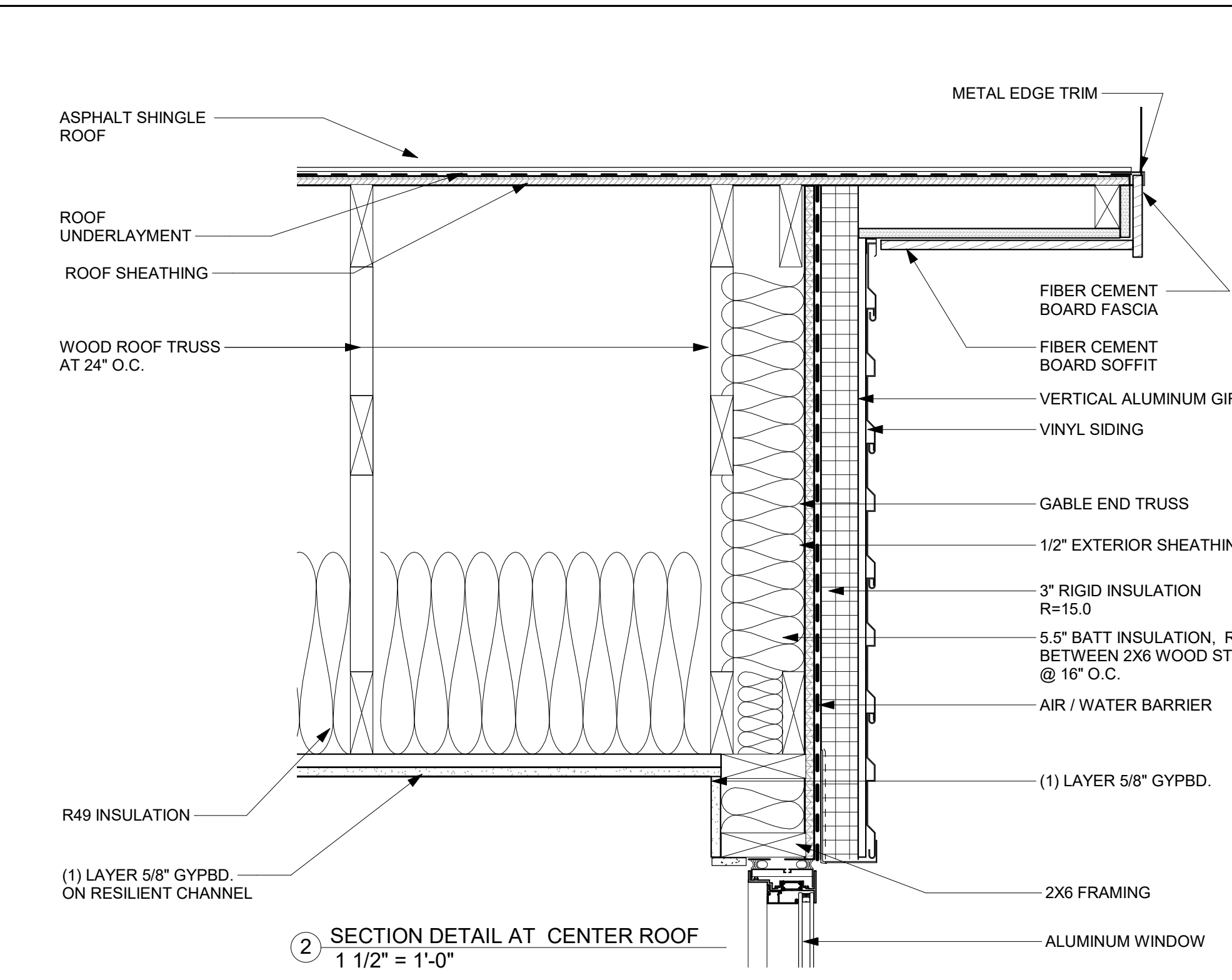
STAMP & SIGNATURE



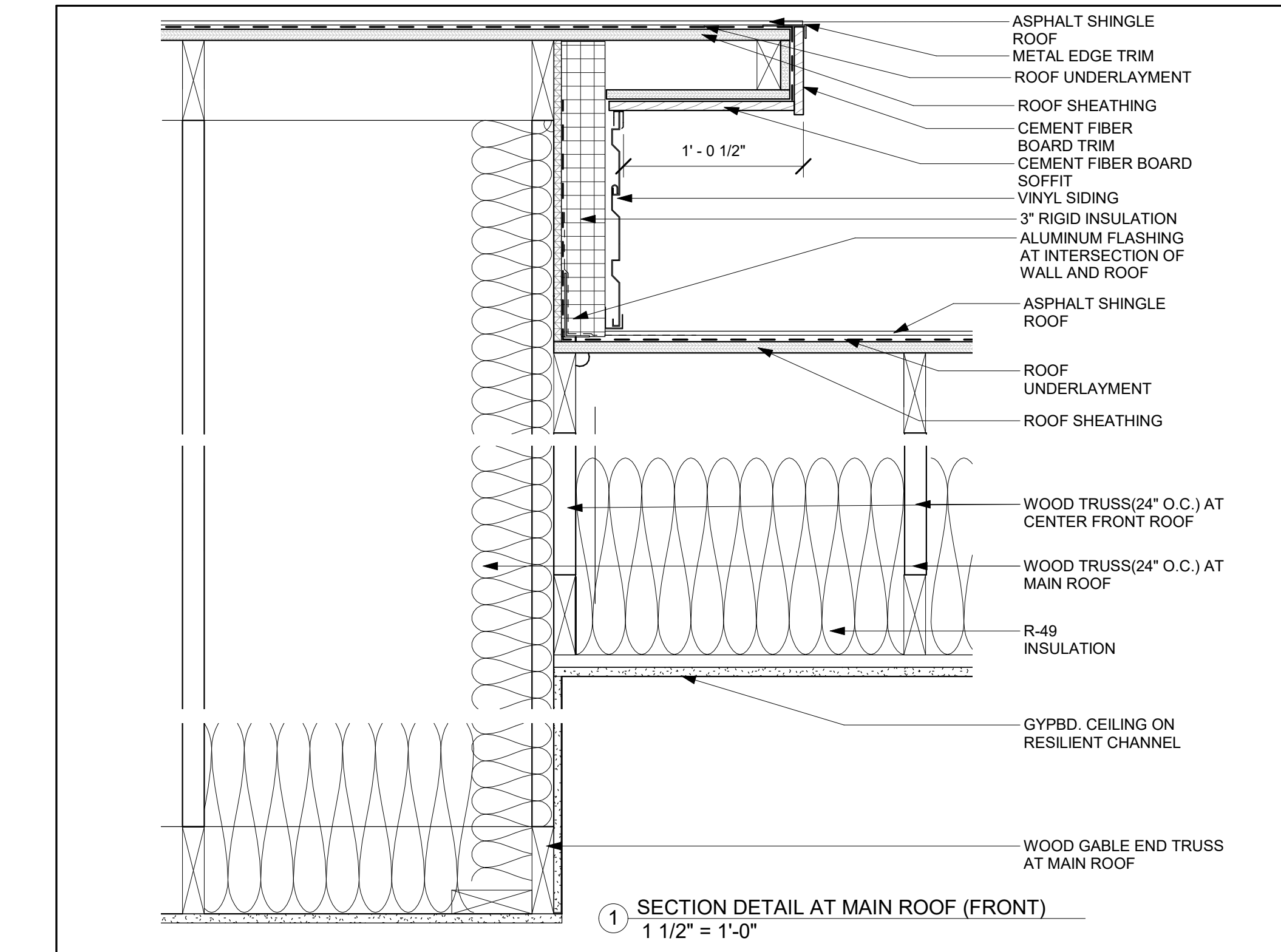
NJ LICENSE 20591



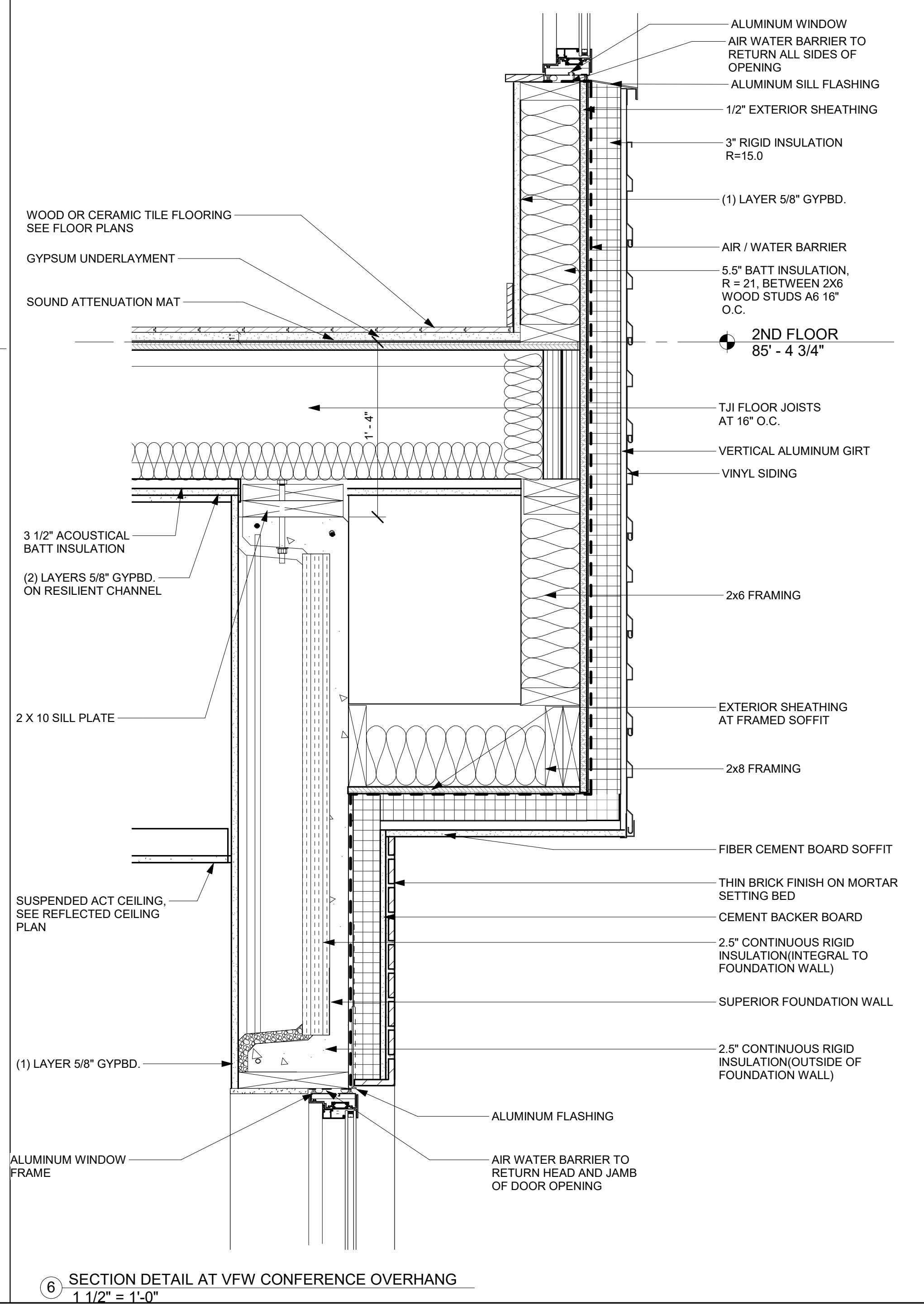
3 ROOF SECTION - FRONT LOW ROOF
1 1/2" = 1'-0"



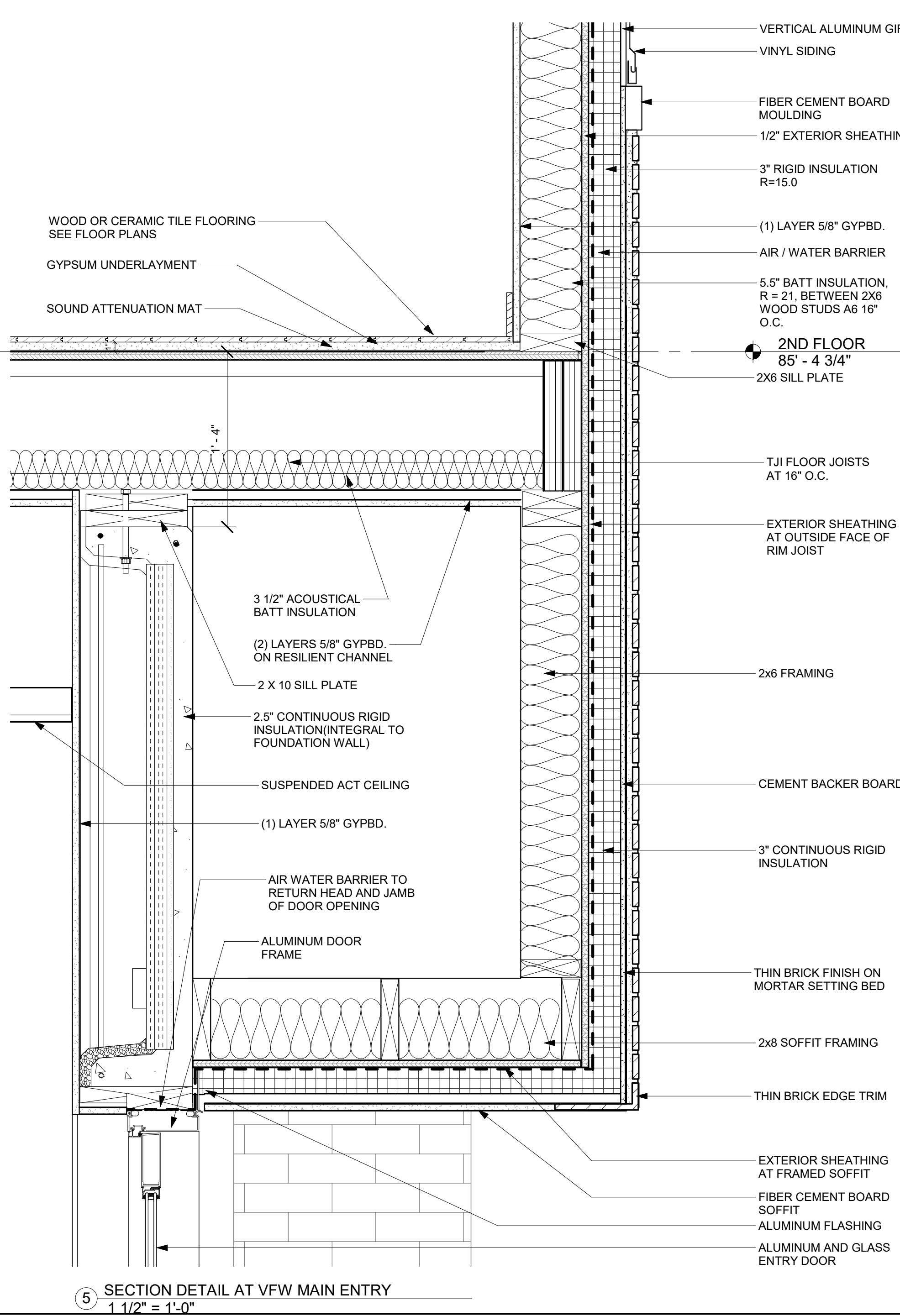
2 SECTION DETAIL AT CENTER ROOF
1 1/2" = 1'-0"



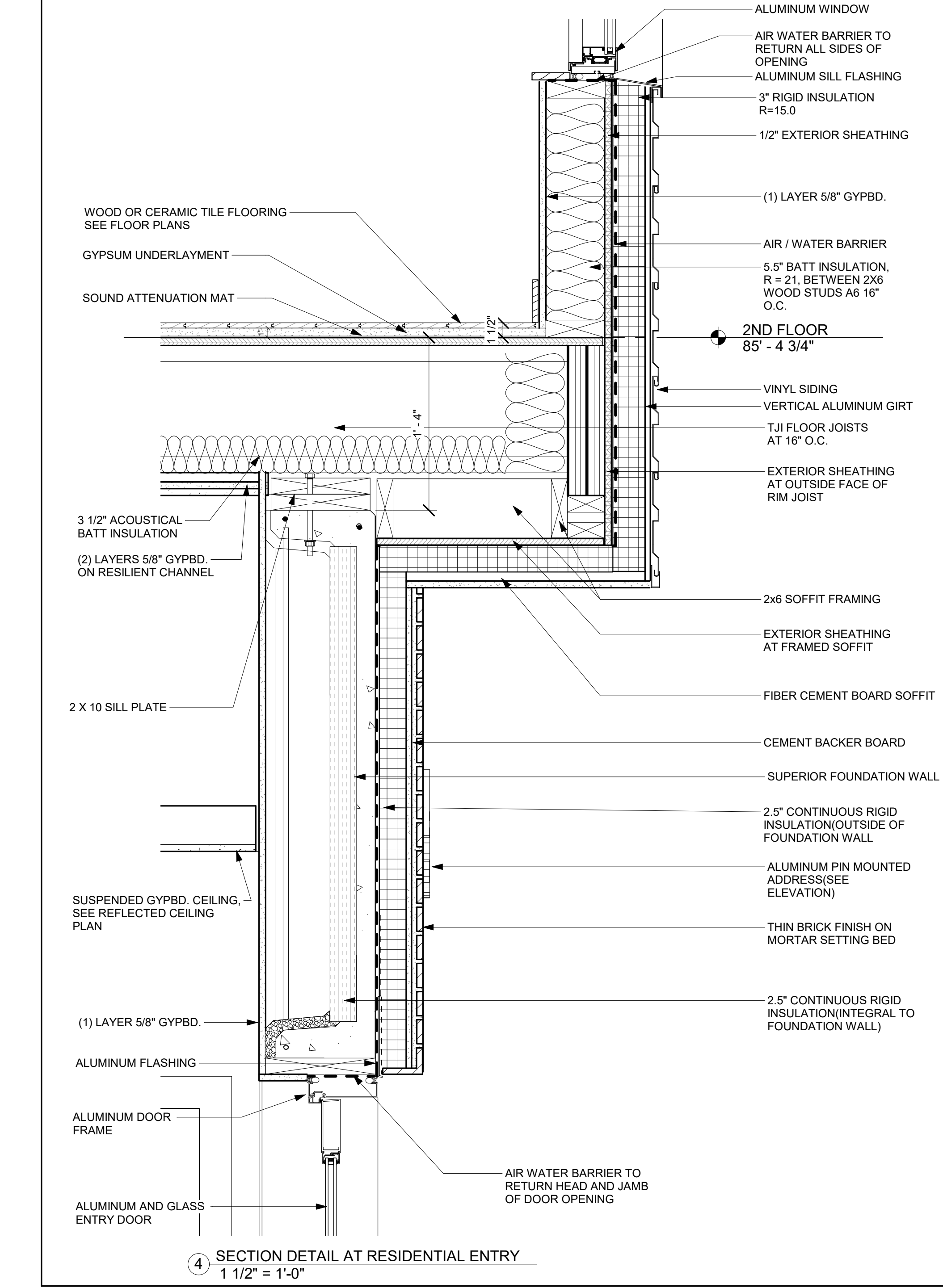
1 SECTION DETAIL AT MAIN ROOF (FRONT)
1 1/2" = 1'-0"



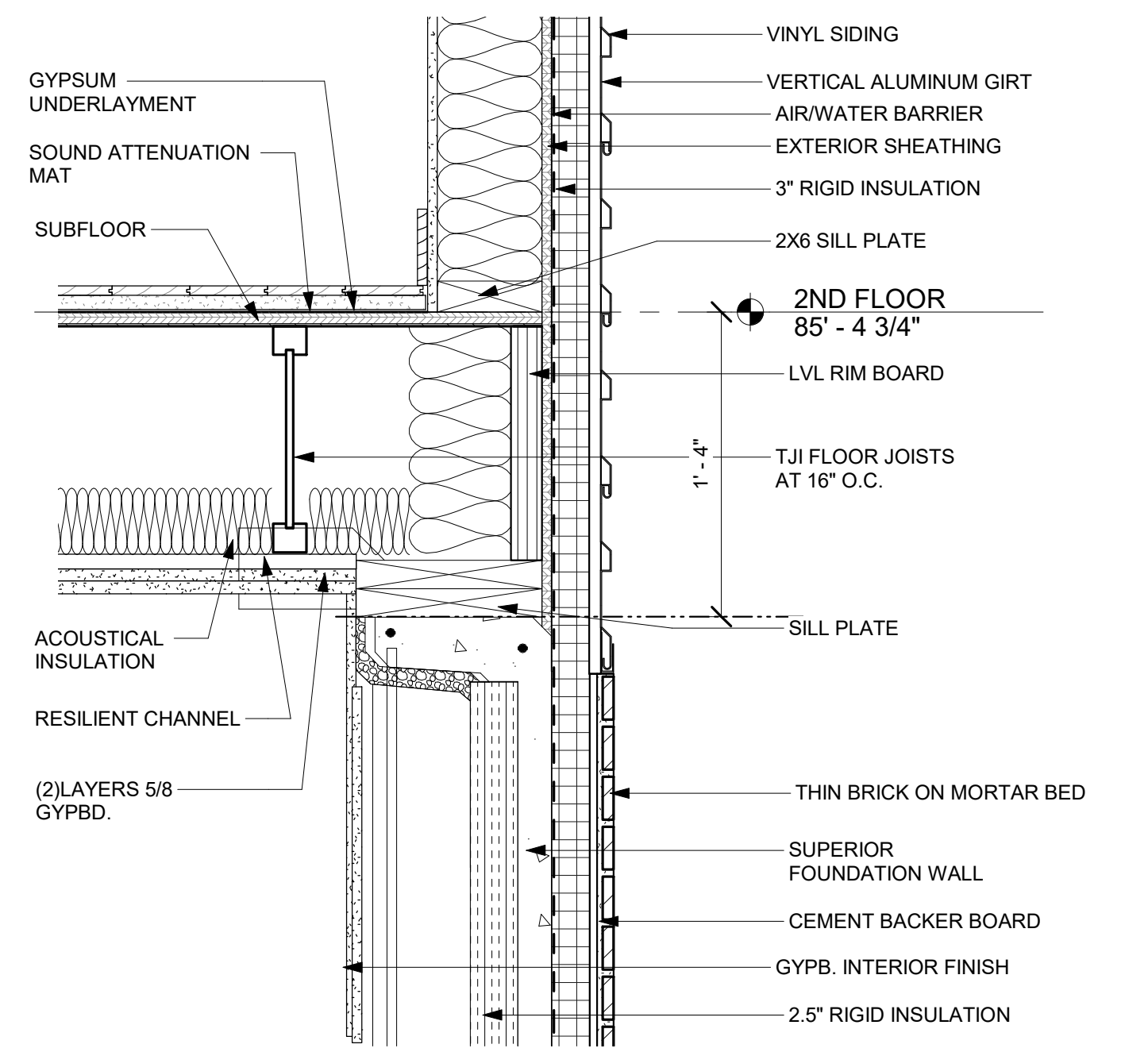
6 SECTION DETAIL AT VFW CONFERENCE OVERHANG
1 1/2" = 1'-0"



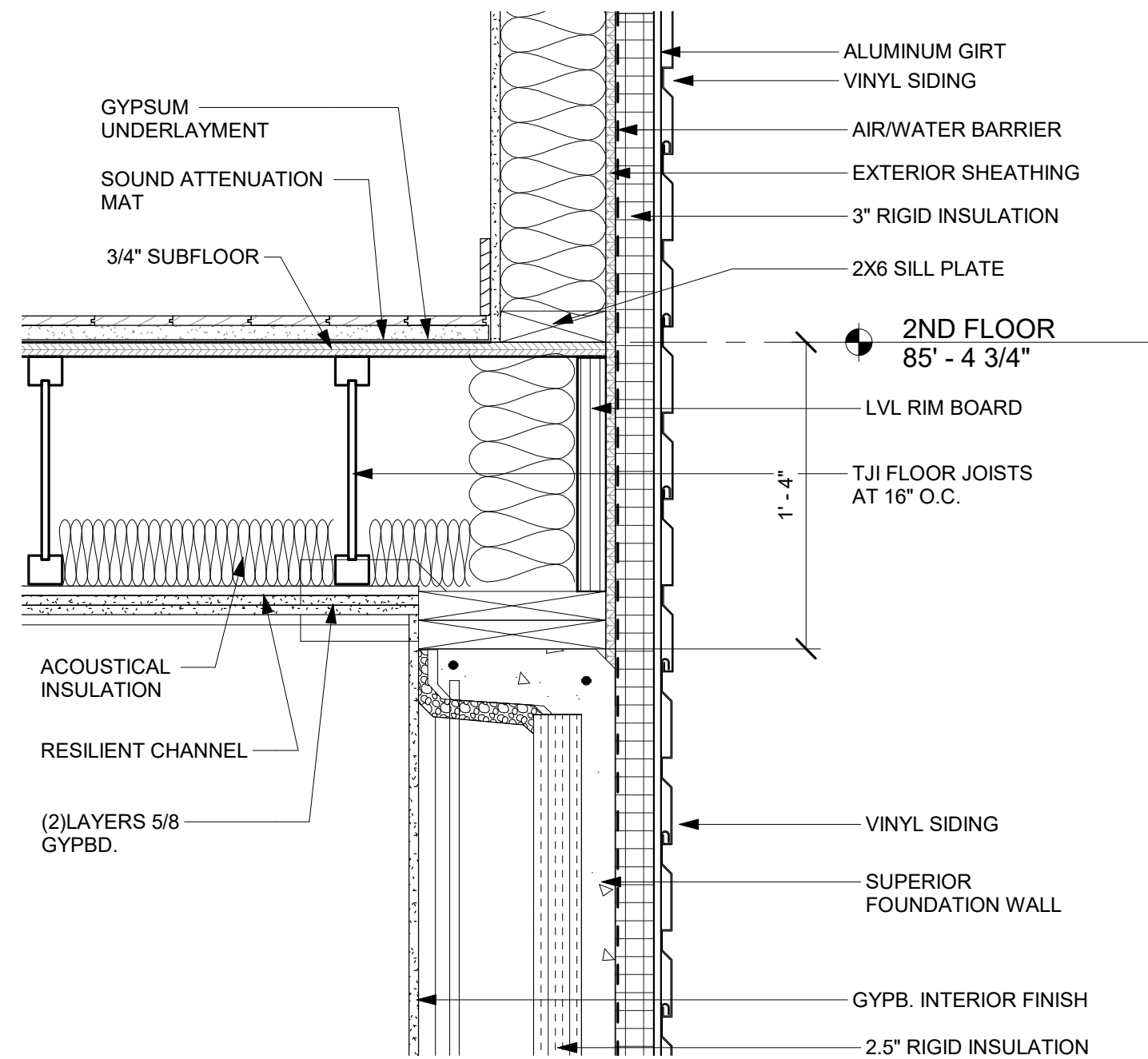
5 SECTION DETAIL AT VFW MAIN ENTRY
1 1/2" = 1'-0"



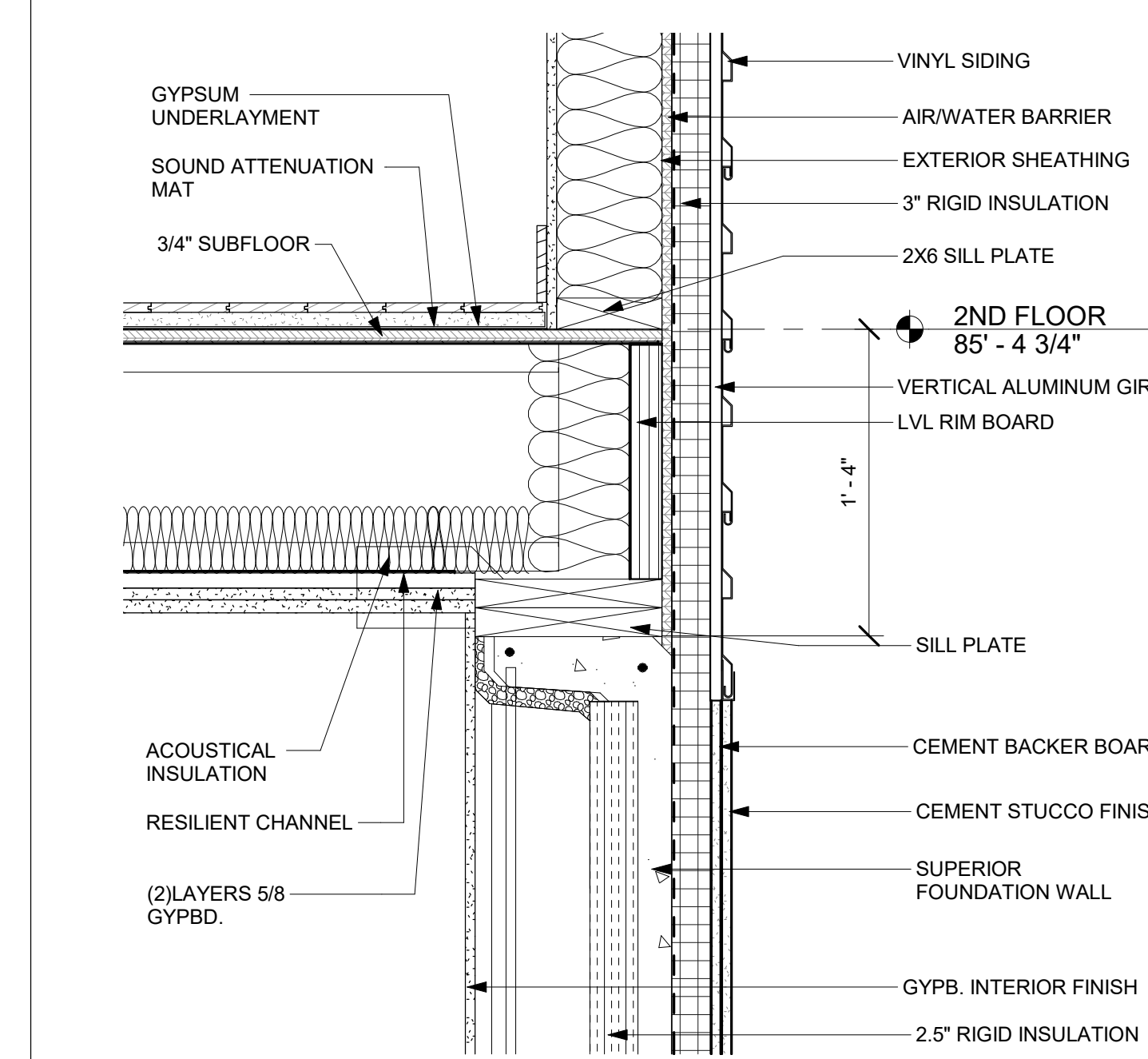
4 SECTION DETAIL AT RESIDENTIAL ENTRY
1 1/2" = 1'-0"



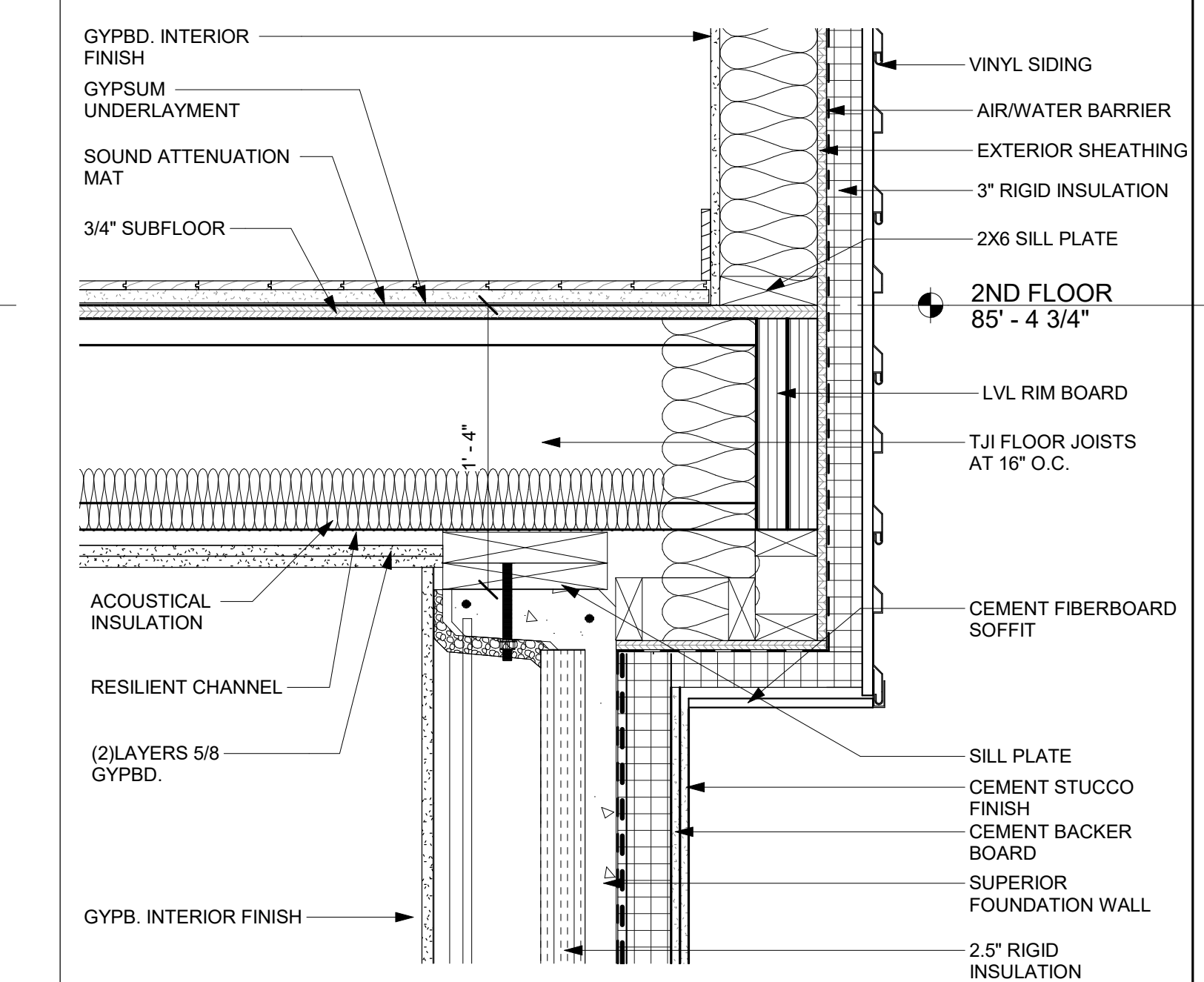
1 SECTION DETAIL AT SECOND FLOOR - BRICK
1 1/2" = 1'-0"



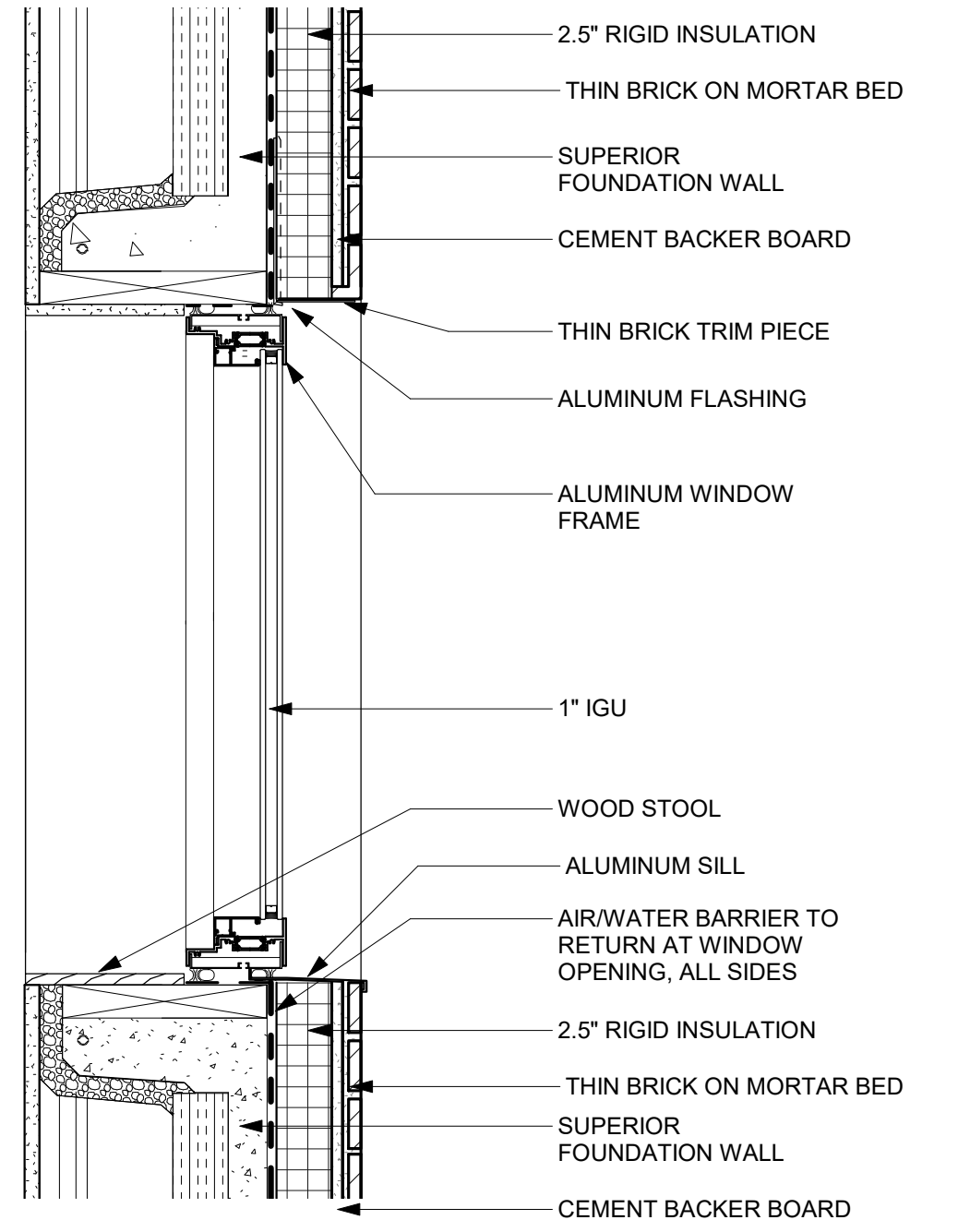
2 SECTION DETAIL AT SECOND FLOOR - SIDING
1 1/2" = 1'-0"



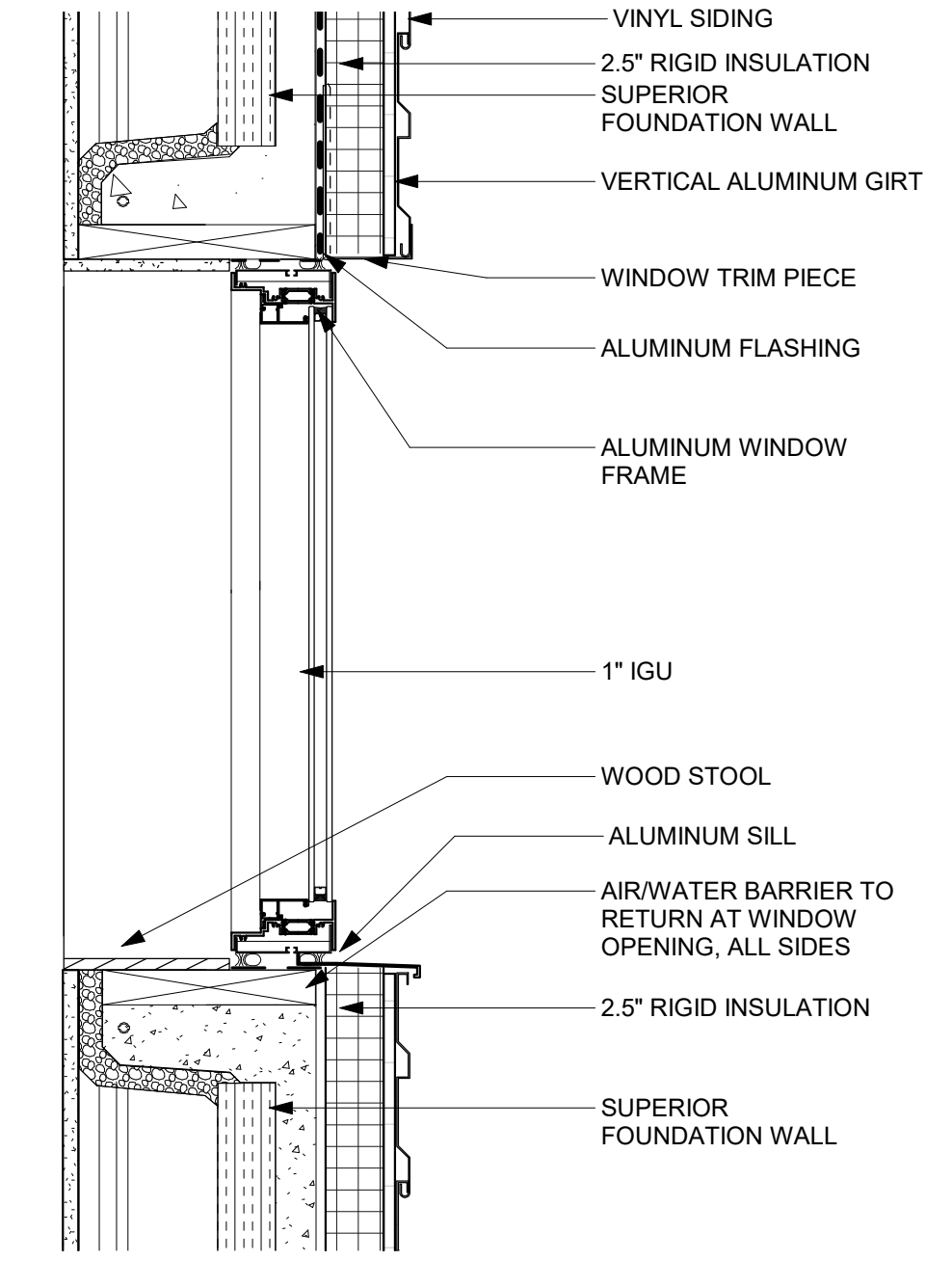
3 SECTION DETAIL AT SECOND FLOOR - STUCCO
1 1/2" = 1'-0"



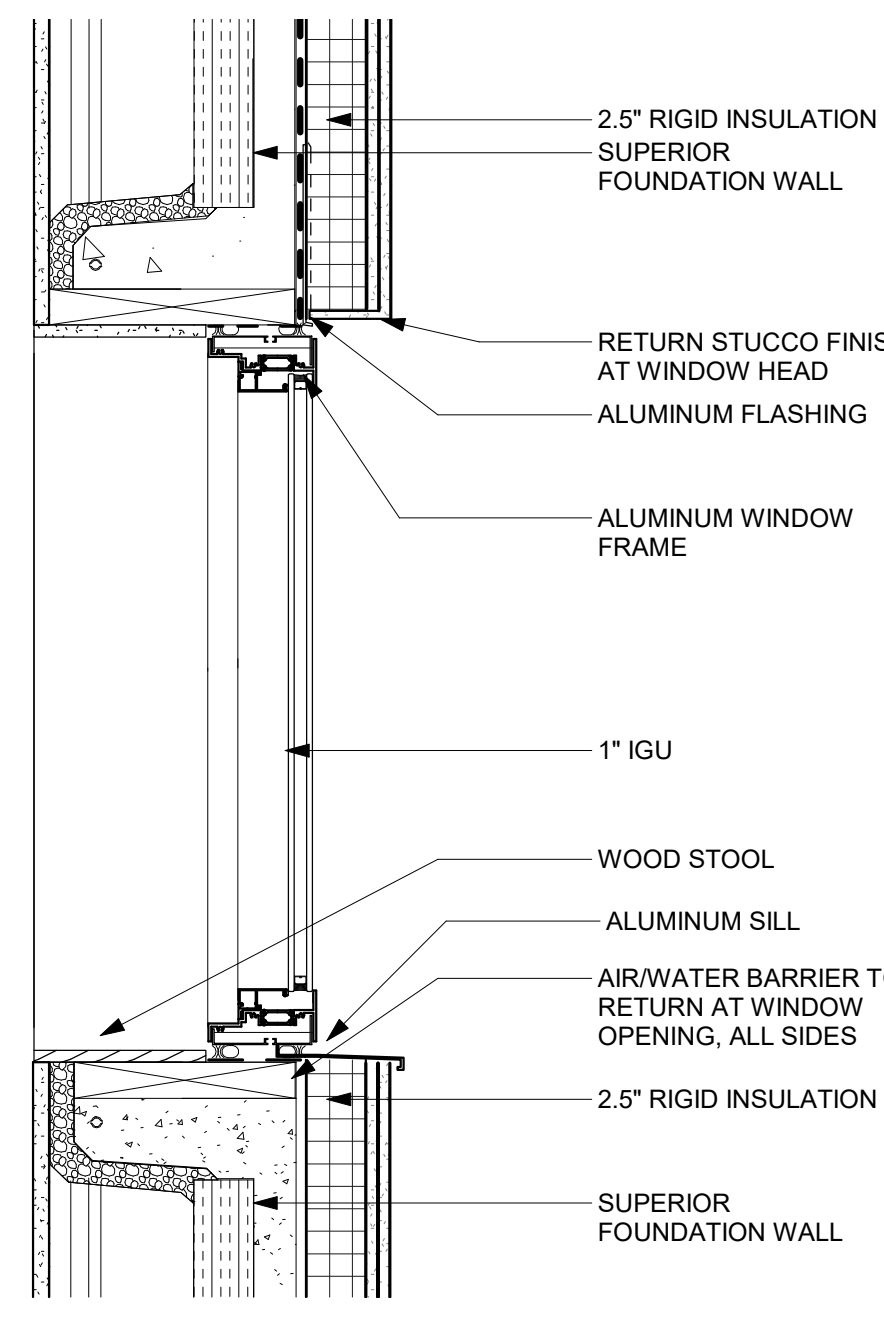
4 SECTION DETAIL AT REAR YARD OVERHANG
1 1/2" = 1'-0"



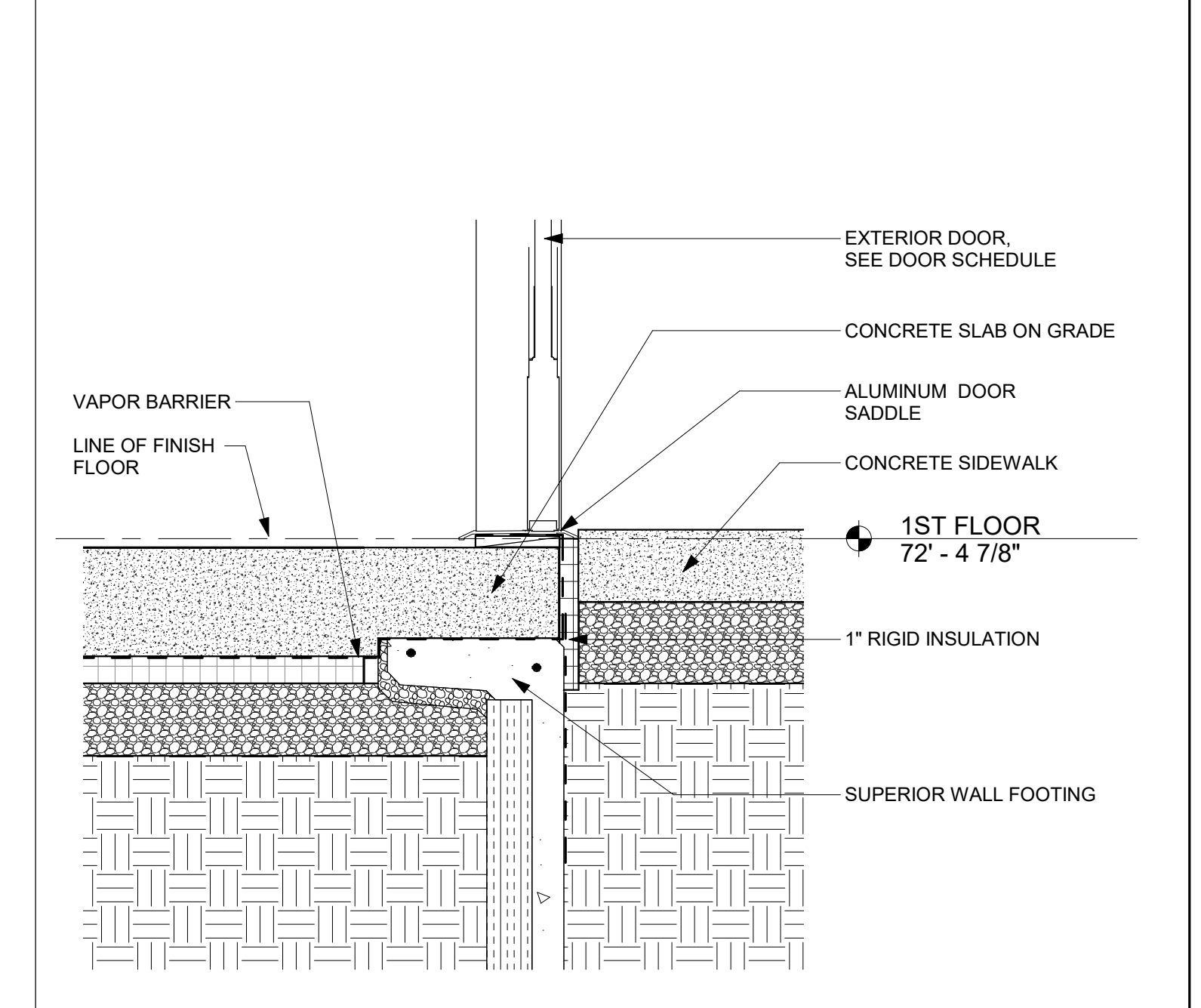
5 FOUNDATION WINDOW AT BRICK WALL
1 1/2" = 1'-0"



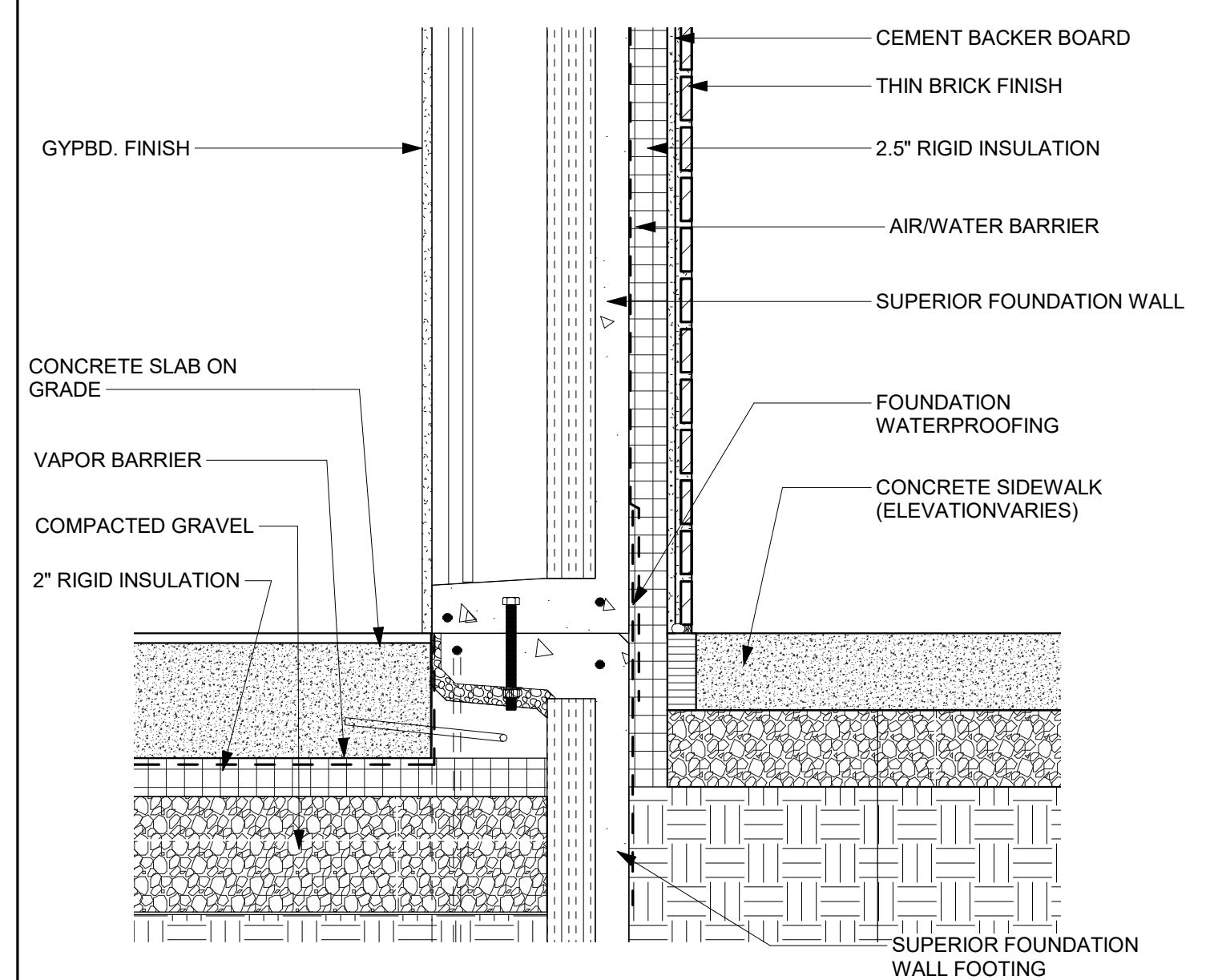
6 FOUNDATION WINDOW AT VINYL SIDING
1 1/2" = 1'-0"



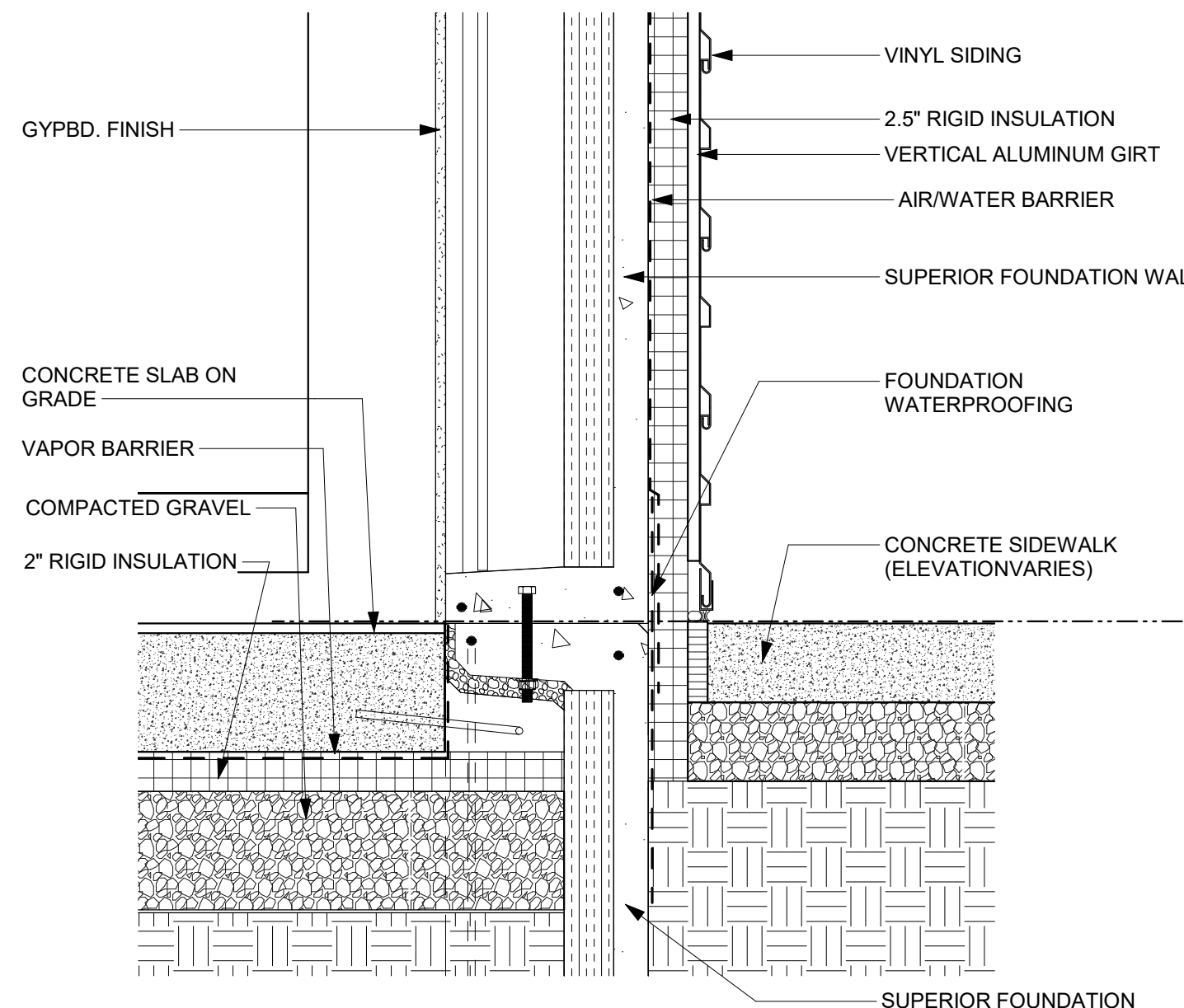
7 FOUNDATION WINDOW AT STUCCO WALL
1 1/2" = 1'-0"



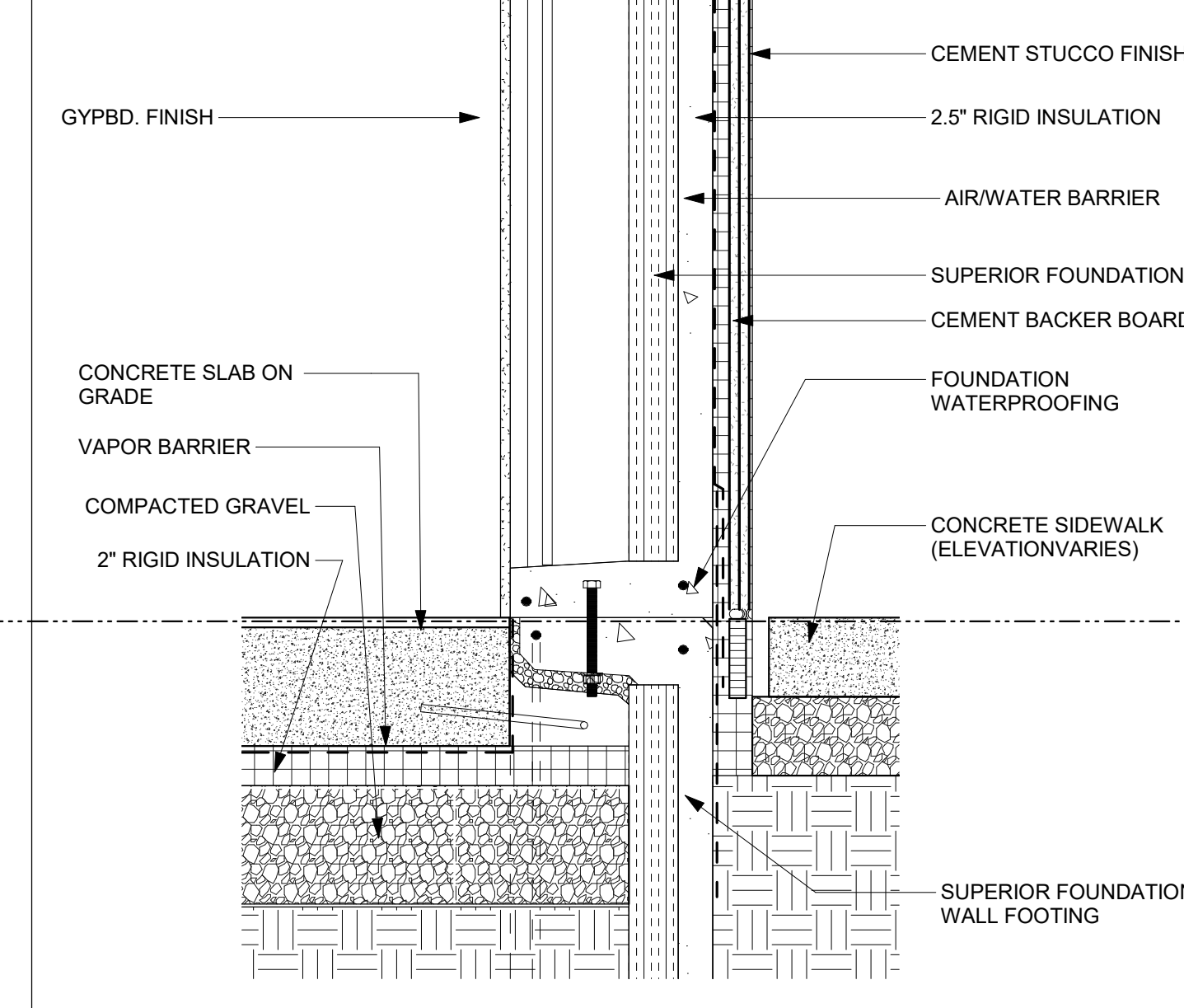
8 TYPICAL DOOR SILL DETAIL
1 1/2" = 1'-0"



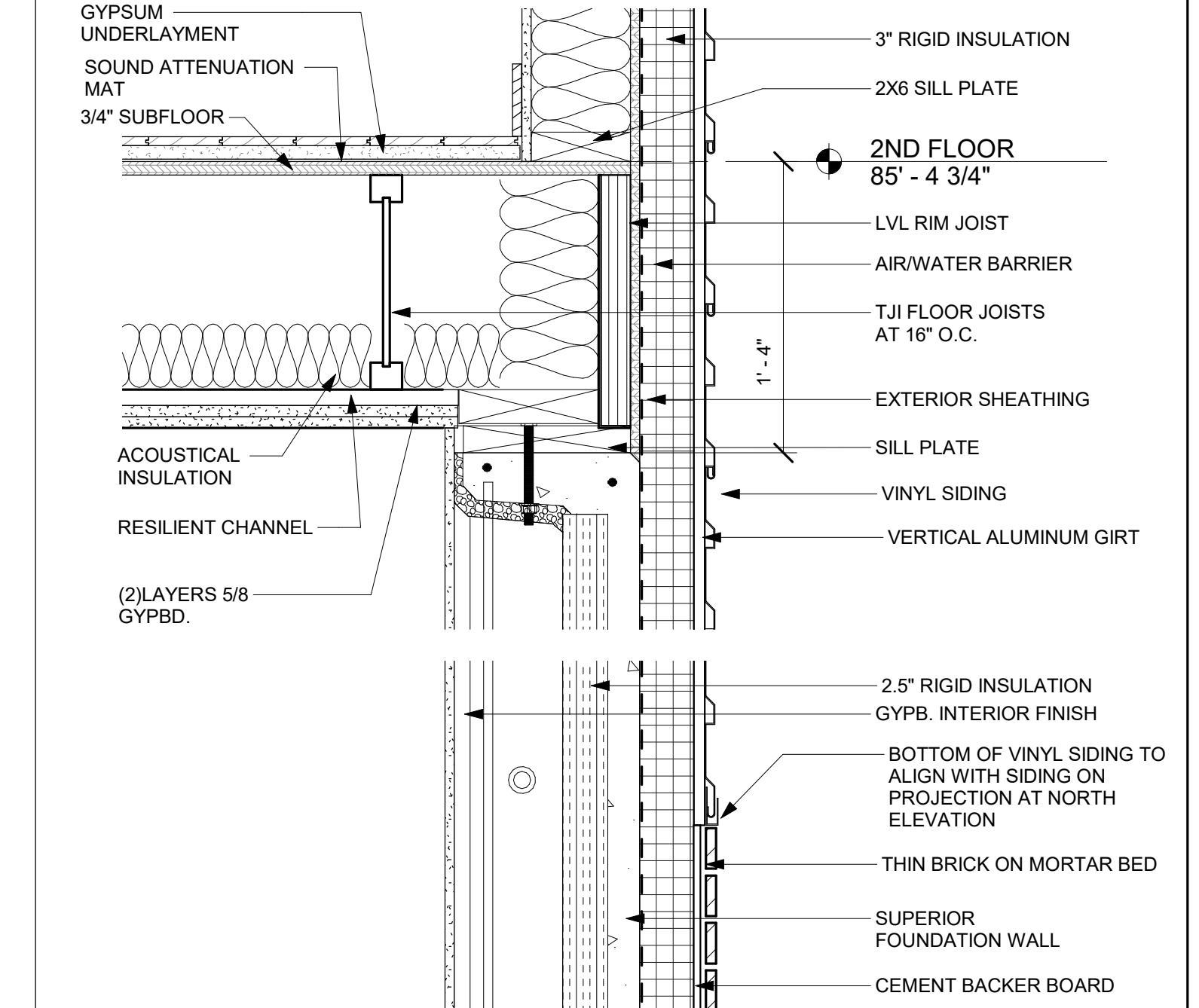
9 FOUNDATION WITH BRICK CLADDING
1 1/2" = 1'-0"



10 FOUNDATION WITH SIDING
1 1/2" = 1'-0"



11 FOUNDATION WITH STUCCO
1 1/2" = 1'-0"



12 WEST WALL SECTION AT BRICK RETURN
1 1/2" = 1'-0"

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ISSUE/REVISION	DATE
6 ISSUE FOR FILING	01/14/2022
5 90% CD SET	12/1/2021
4 75% CD SET	11/15/2021
3 DESIGN DEVELOPMENT	09/27/2021
2 SITE PLAN REV. 1	12/15/2020

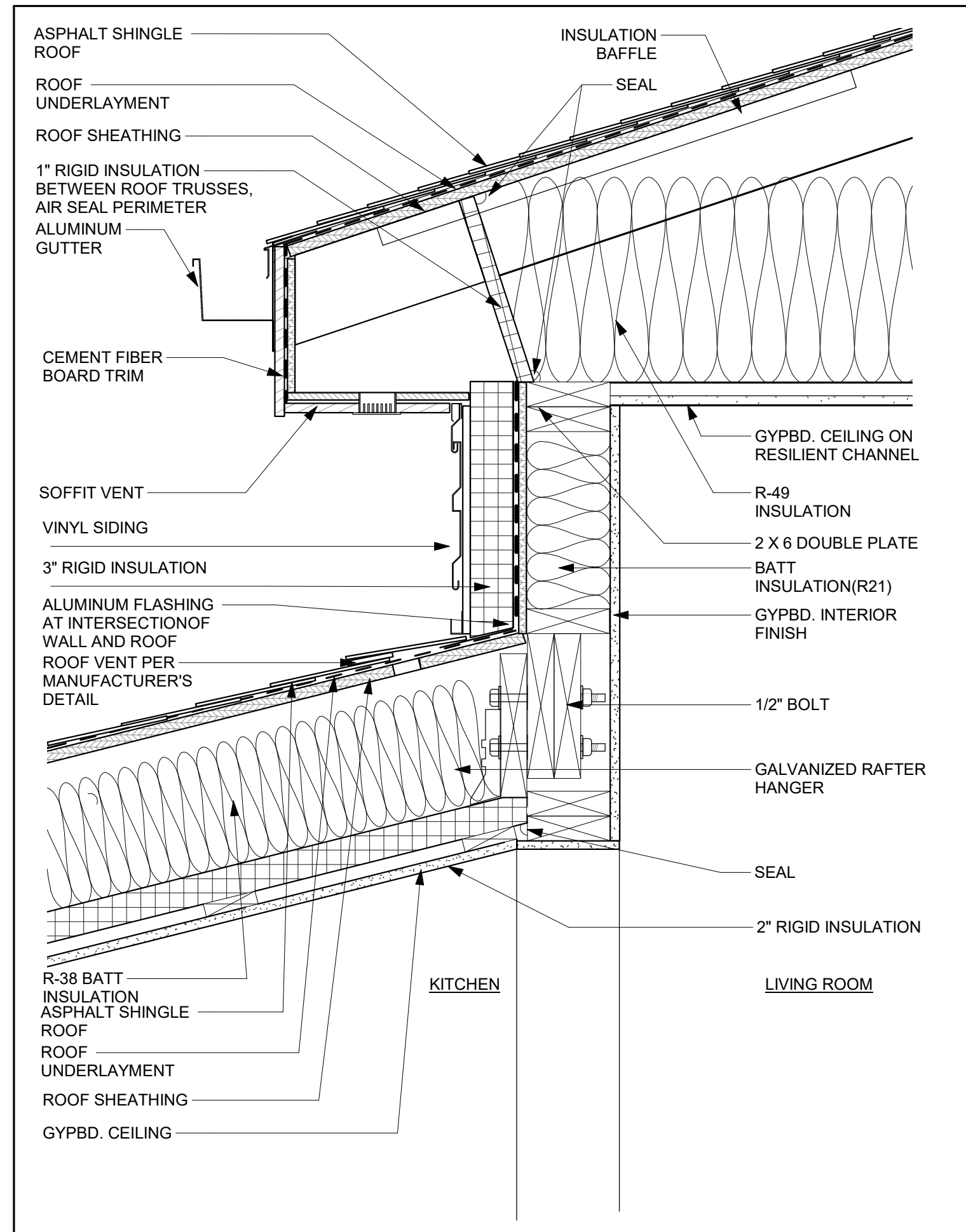
DRAWING TITLE
**TYPICAL EXTERIOR WALL
DETAILS**

DRAWING NO.
A-701

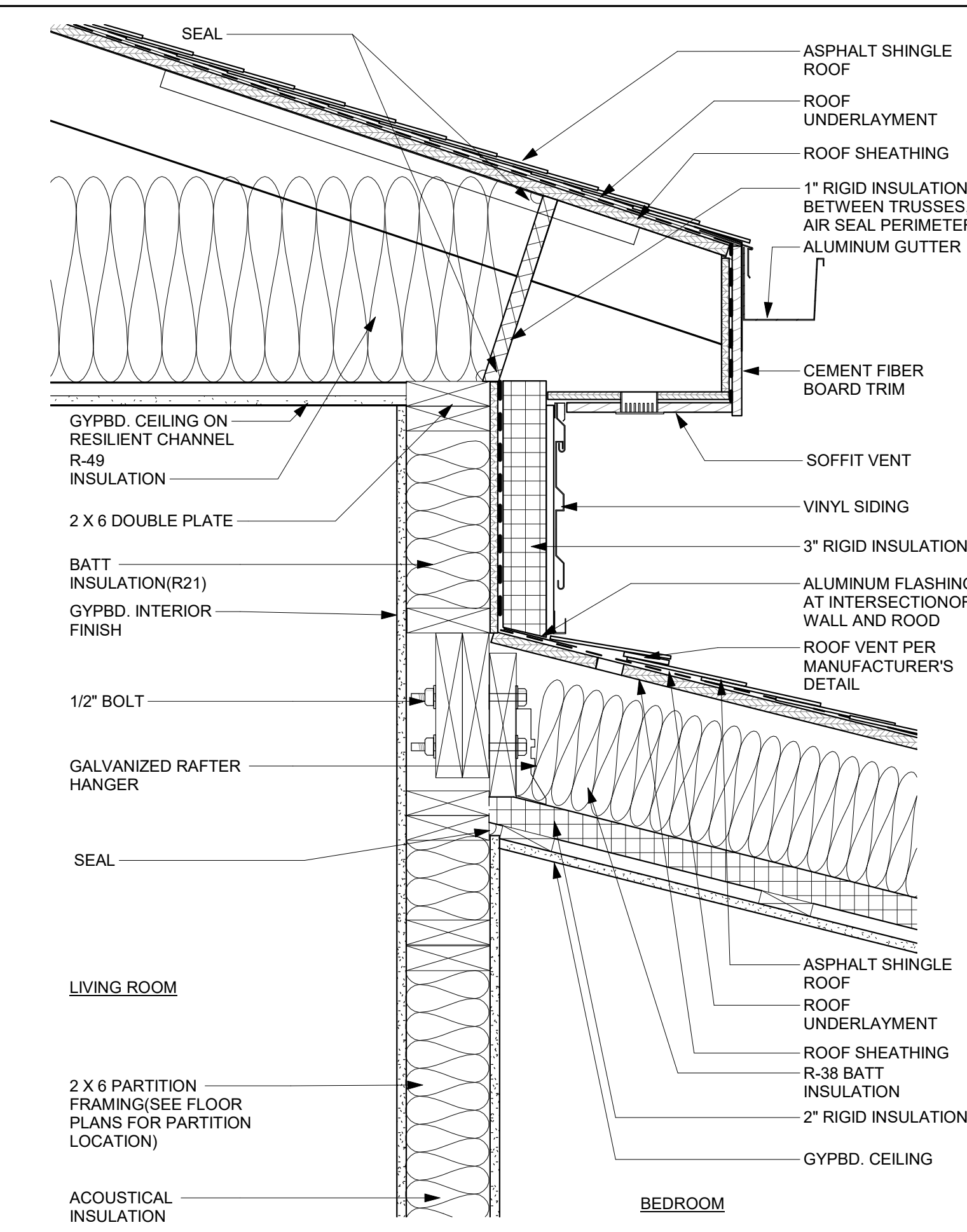
DATE: 01/14/22
SCALE: 1 1/2" = 1'-0"

STAMP & SIGNATURE

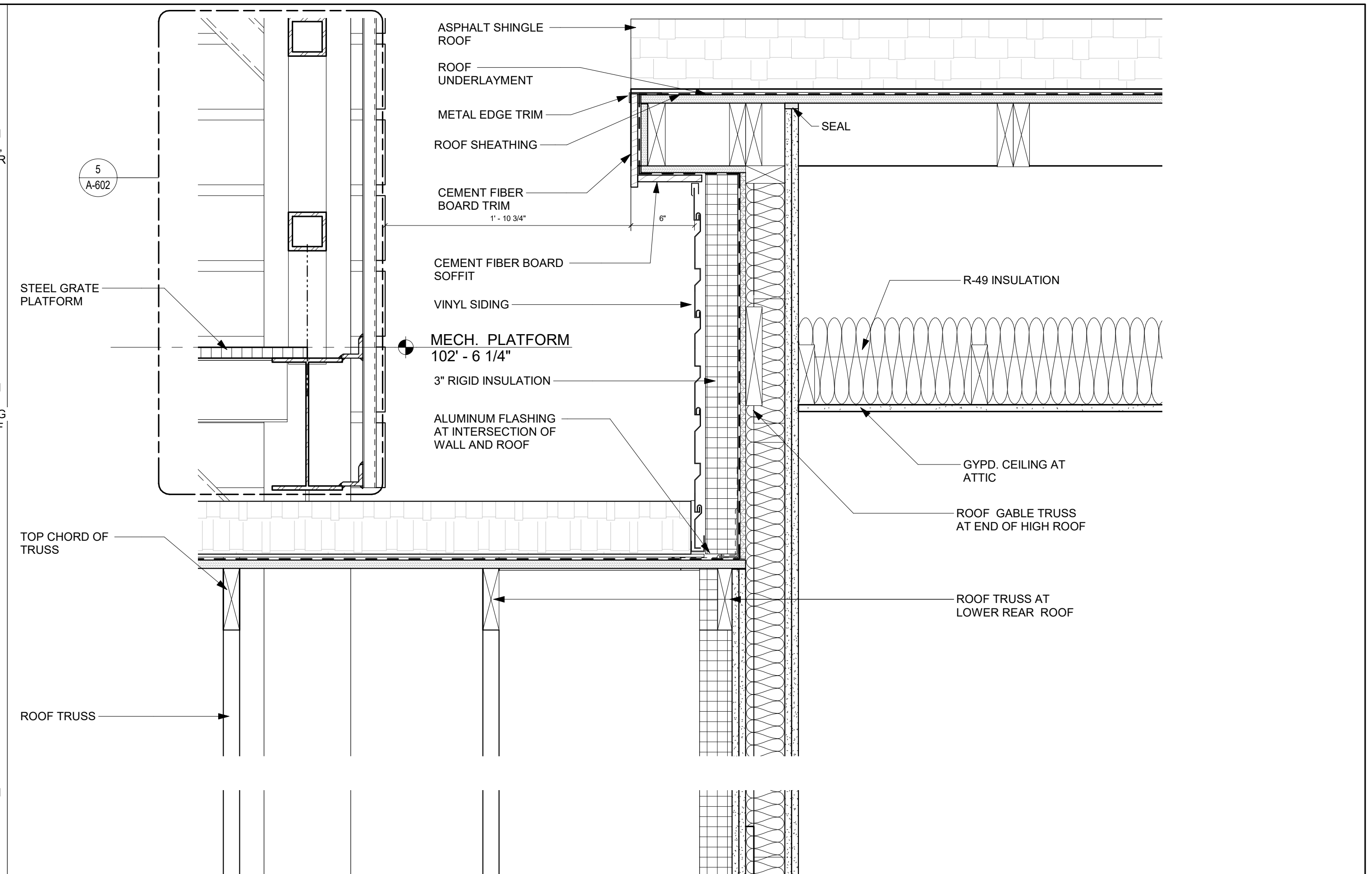
NJ LICENSE 20591



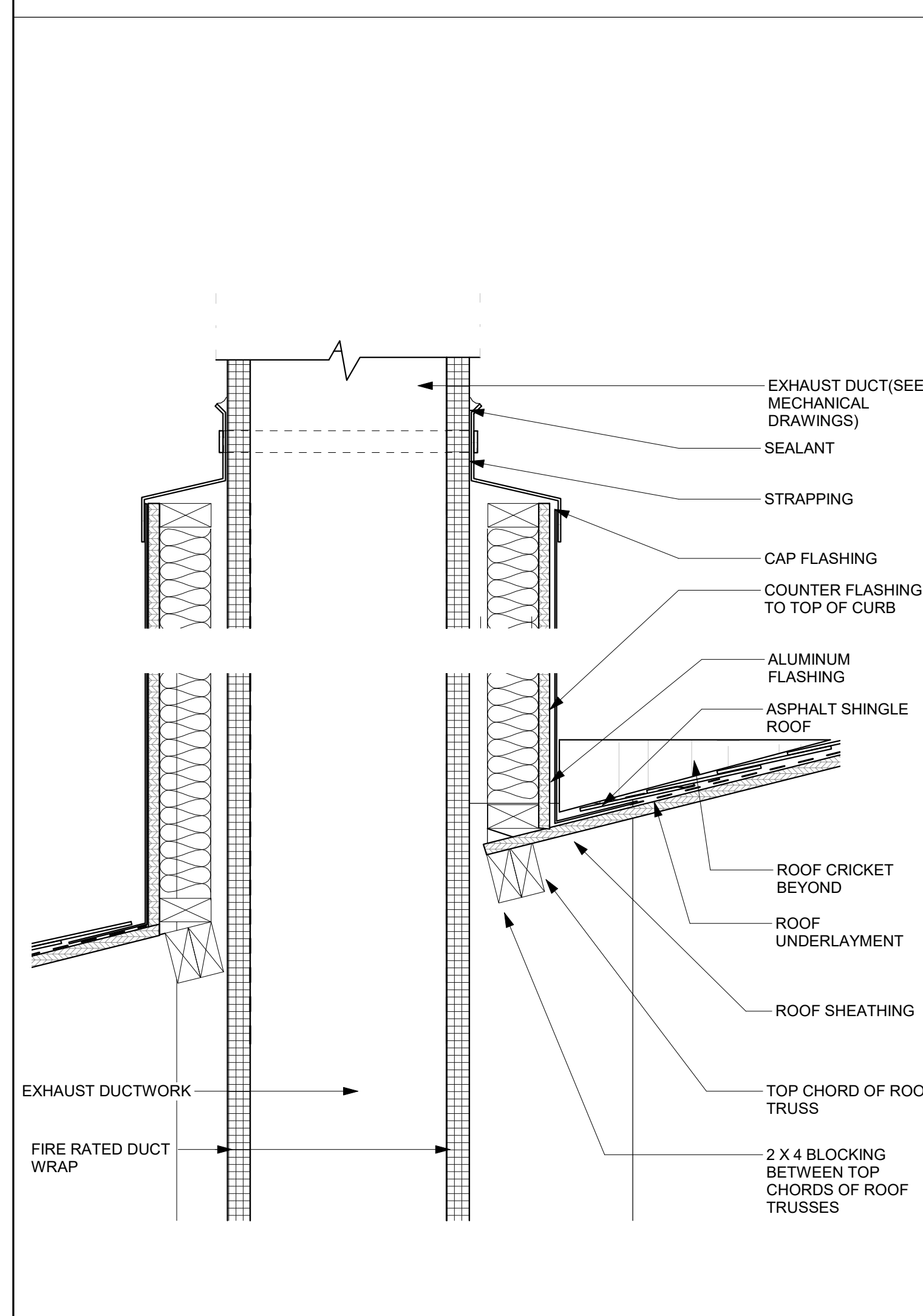
1 SECTION DETAIL AT WEST FRONT ROOF TRANSITION
1 1/2" = 1'-0"



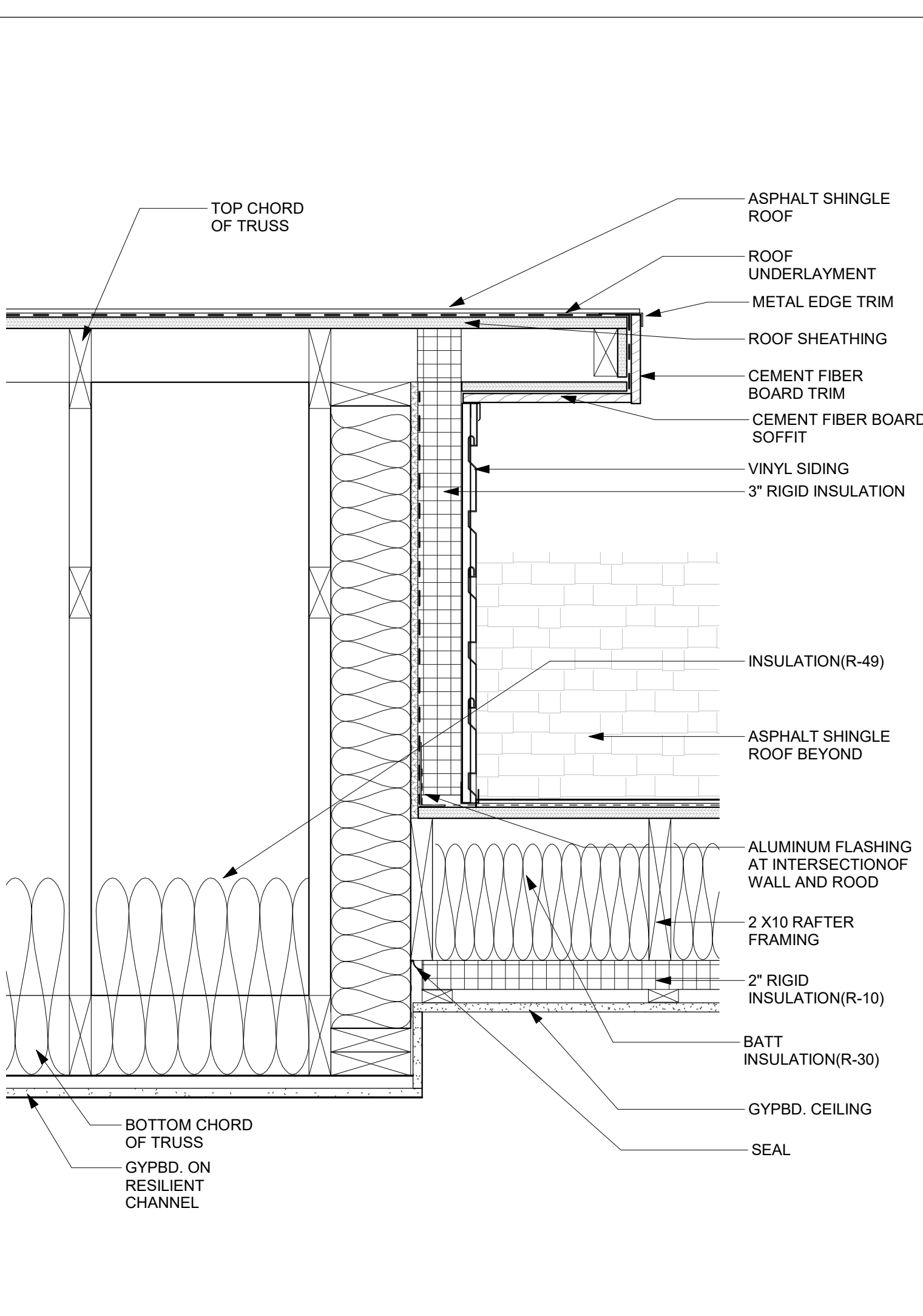
2 SECTION DETAIL AT EAST FRONT ROOF TRANSITION
1 1/2" = 1'-0"



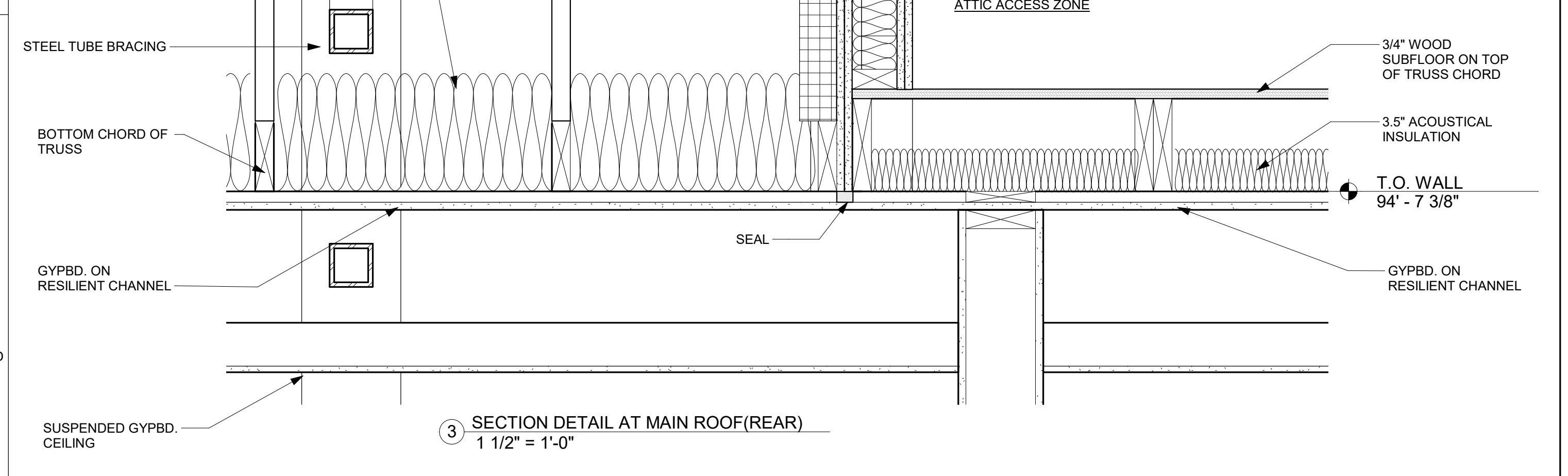
3 SECTION DETAIL AT MAIN ROOF(REAR)
1 1/2" = 1'-0"



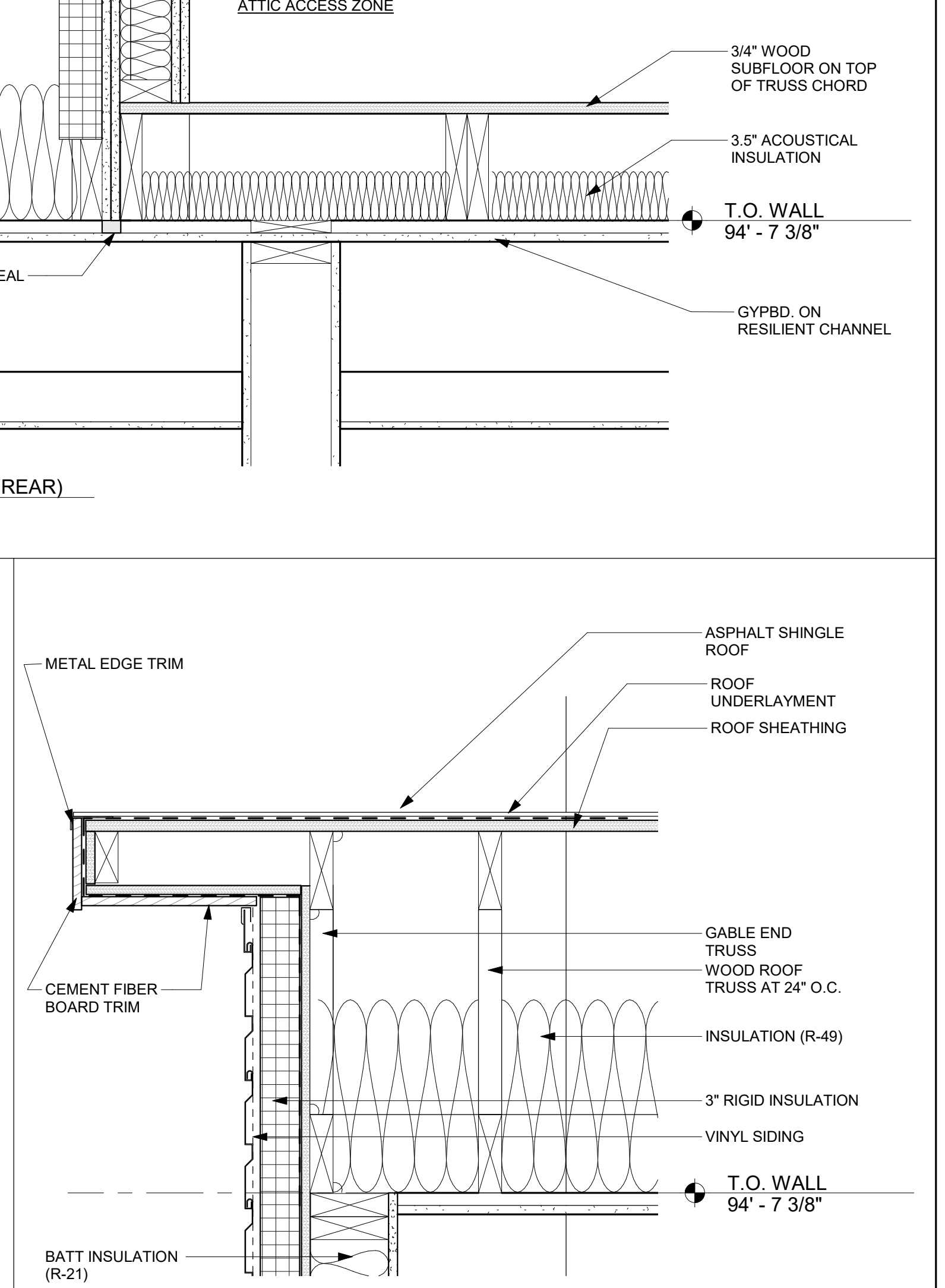
4 SECTION DETAIL AT EXHAUST FANS
1 1/2" = 1'-0"



5 FRONT ROOF OFFSET (LOW ROOF)
1 1/2" = 1'-0"



6 SECTION DETAIL AT CATHEDRAL CEILING EAVE
1 1/2" = 1'-0"



7 ROOF OVERHANG AT REAR
1 1/2" = 1'-0"

6	ISSUE FOR FILING	01/14/2022
5	90% CD SET	12/1/2021
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ISSUE/REVISION	DATE
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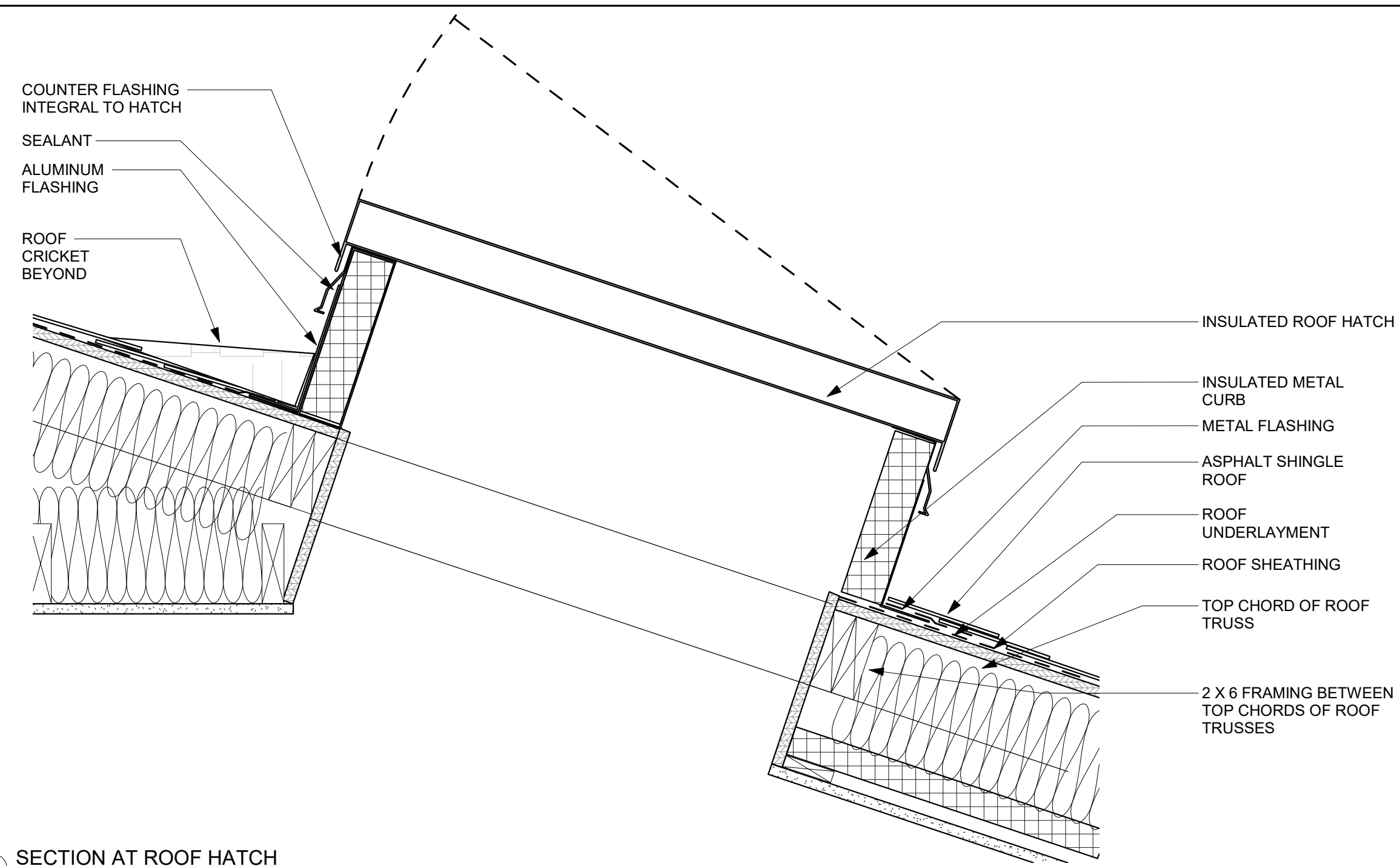
DRAWING TITLE
TYPICAL ROOF DETAILS

DRAWING NO.
A-702

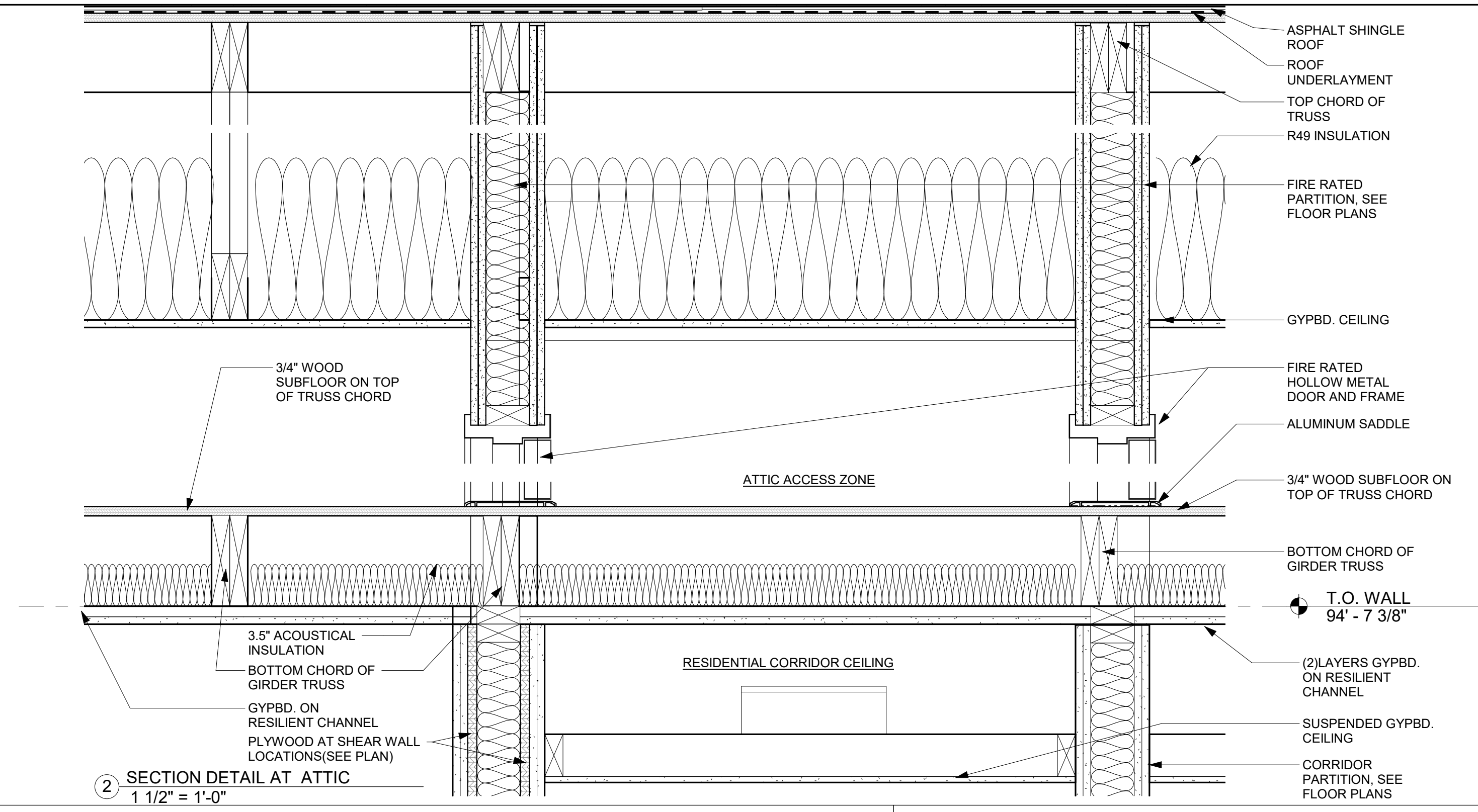
DATE: **01/14/22**
SCALE: **1 1/2" = 1'-0"**

STAMP & SIGNATURE

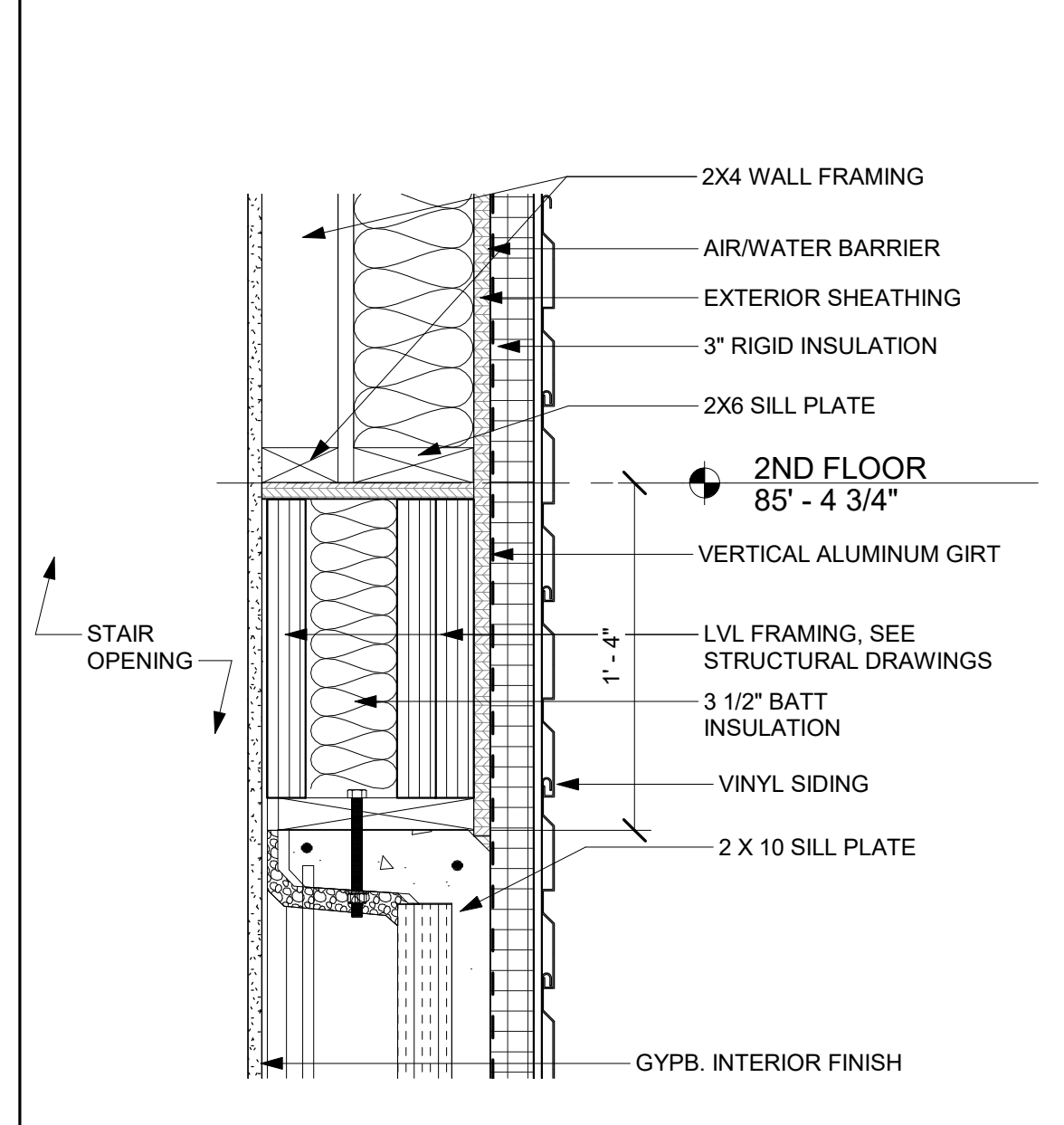
NJ LICENSE 20591



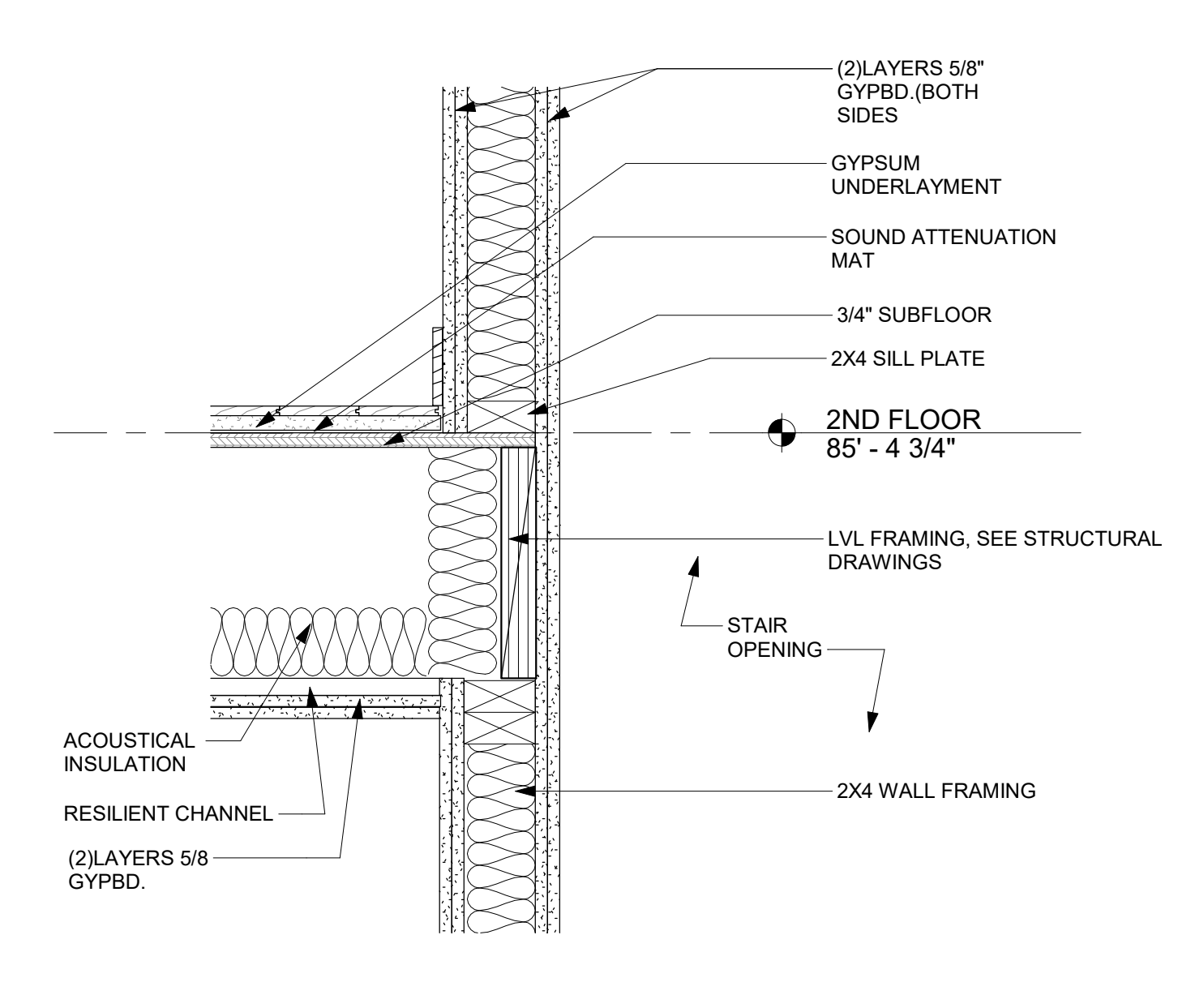
1 SECTION AT ROOF HATCH
1 1/2" = 1'-0"



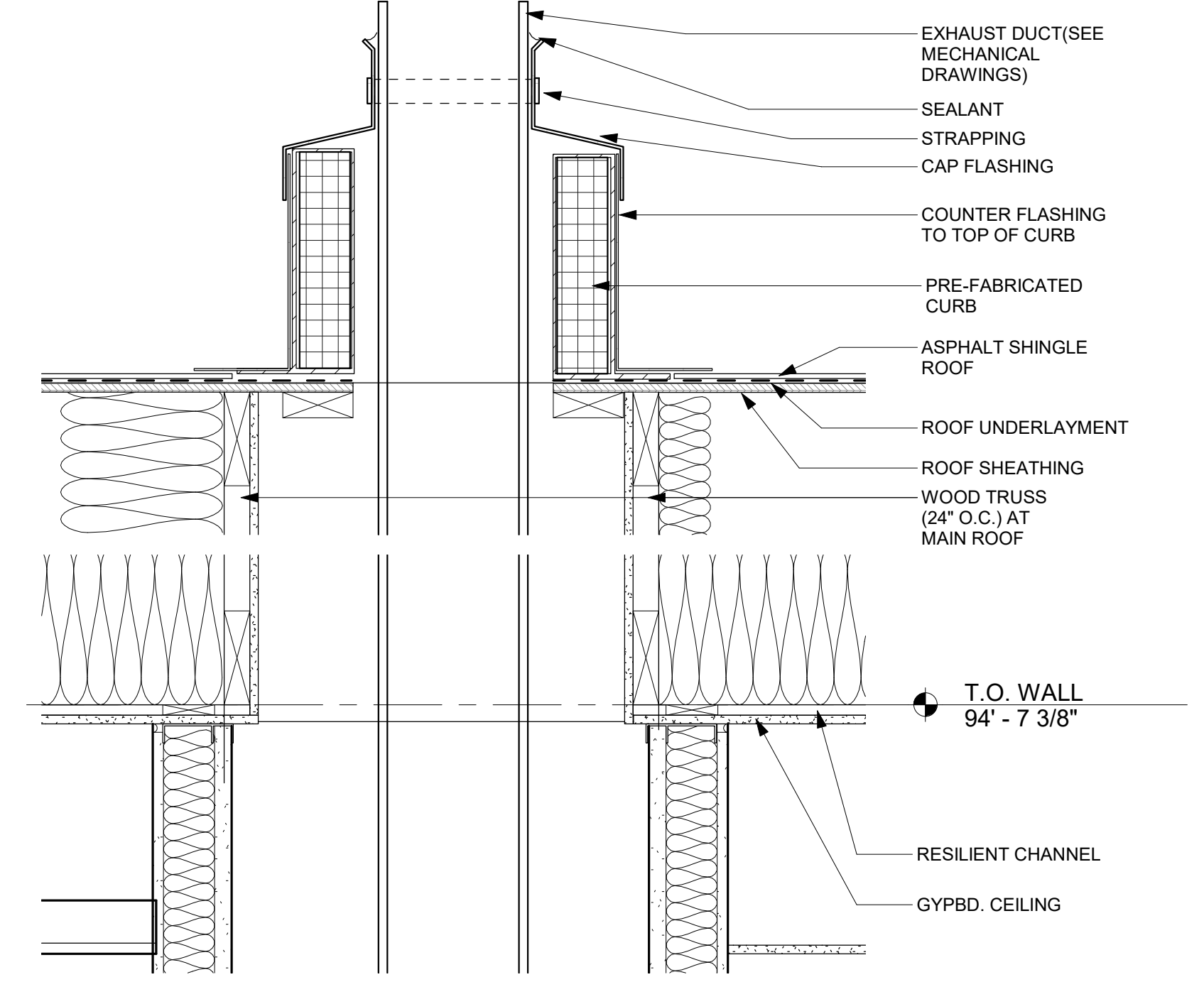
2 SECTION DETAIL AT ATTIC
1 1/2" = 1'-0"



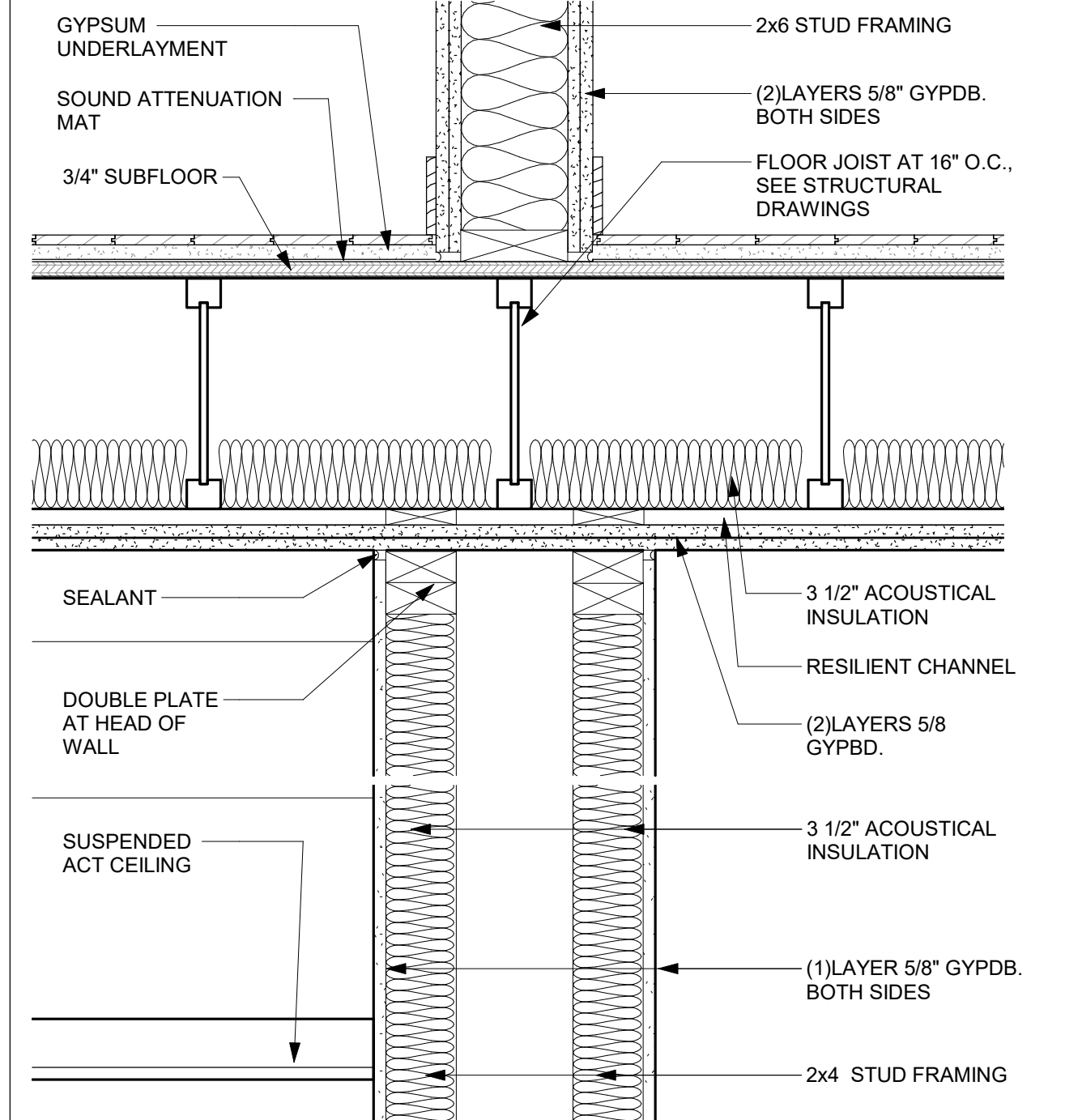
3 EXTERIOR WALL SECTION AT STAIR OPENING
1 1/2" = 1'-0"



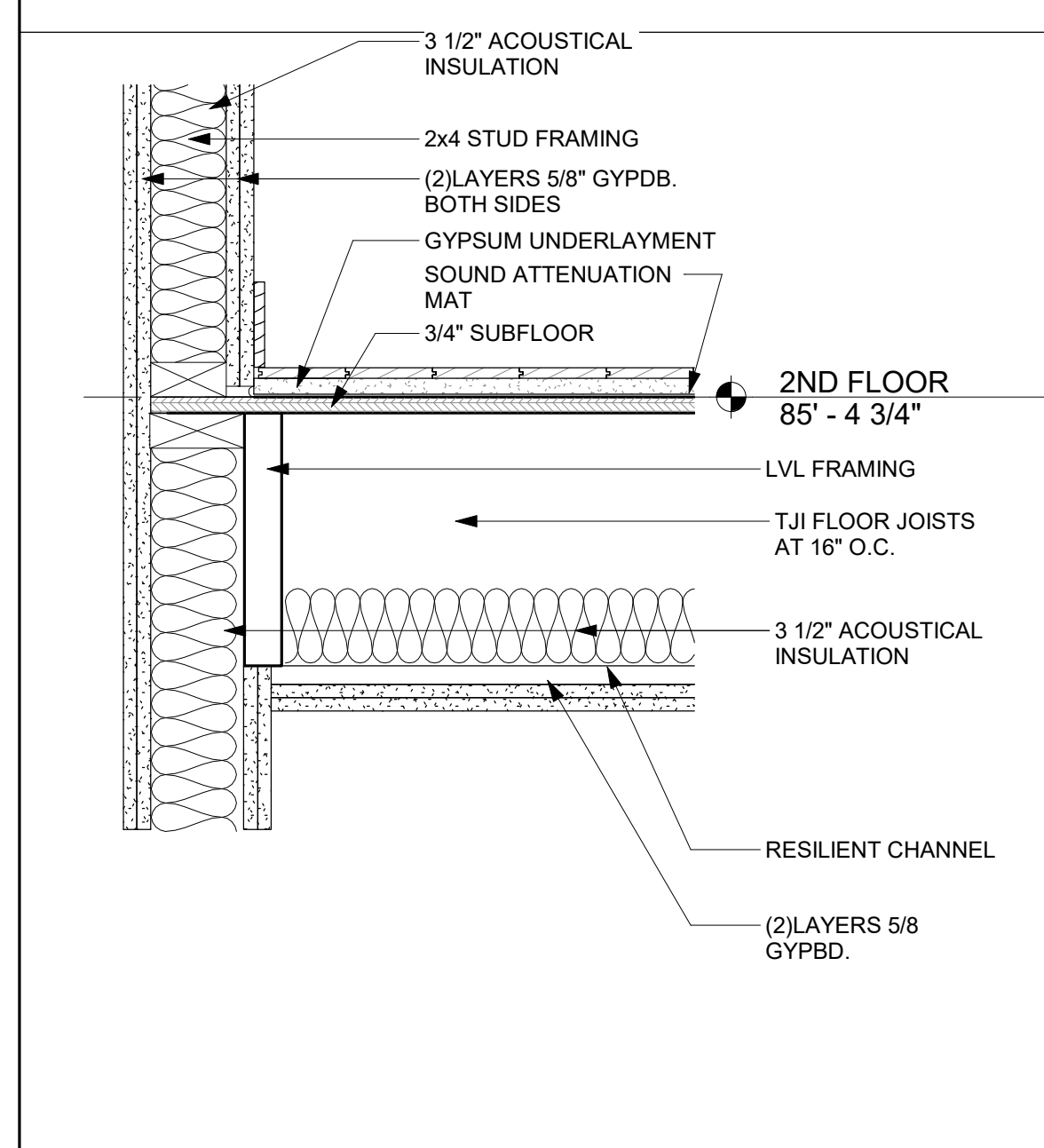
4 SECTION AT STAIR OPENING - SECOND FLOOR
1 1/2" = 1'-0"



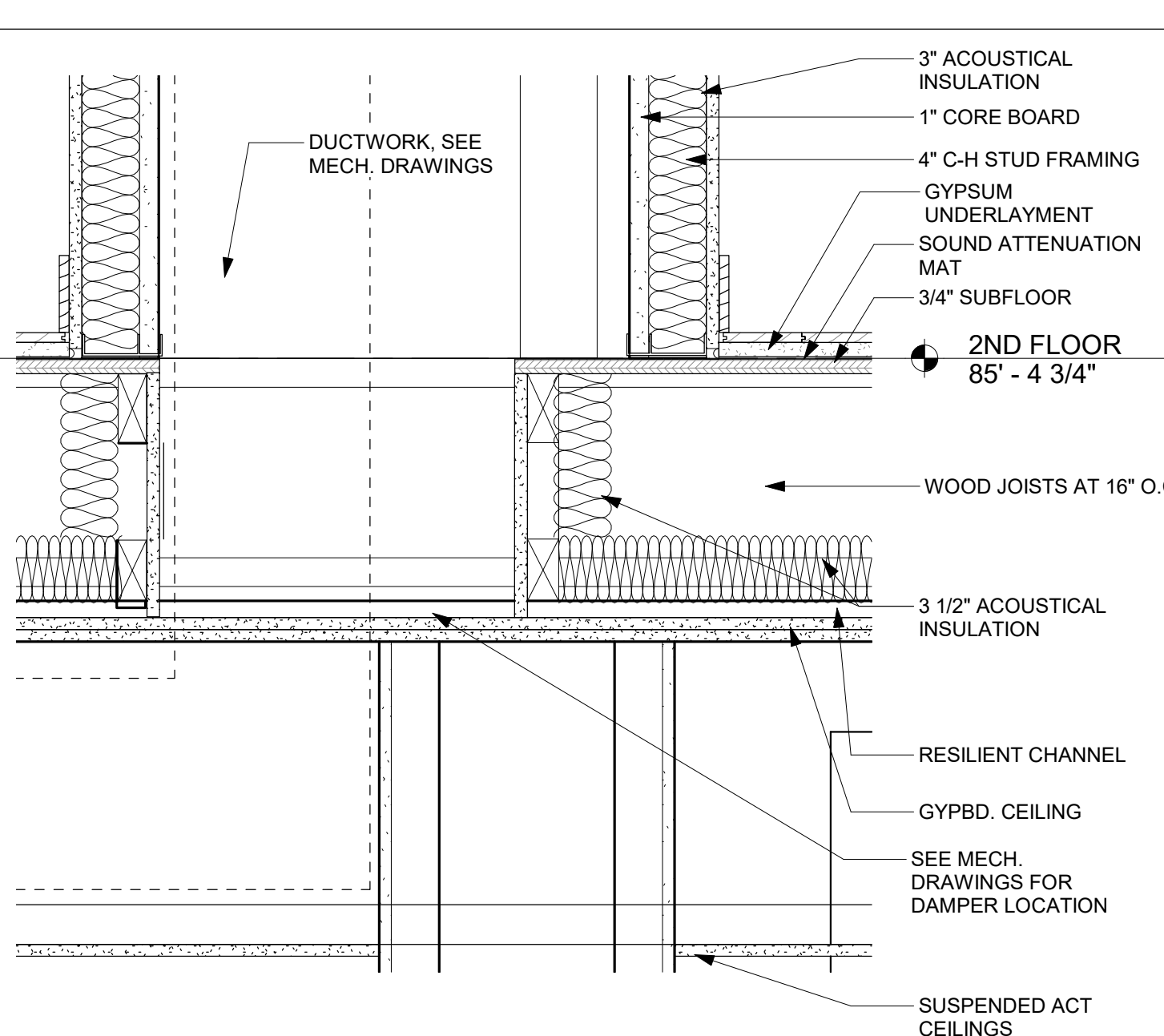
5 SHAFT AT UNDERSIDE OF ROOF
1 1/2" = 1'-0"



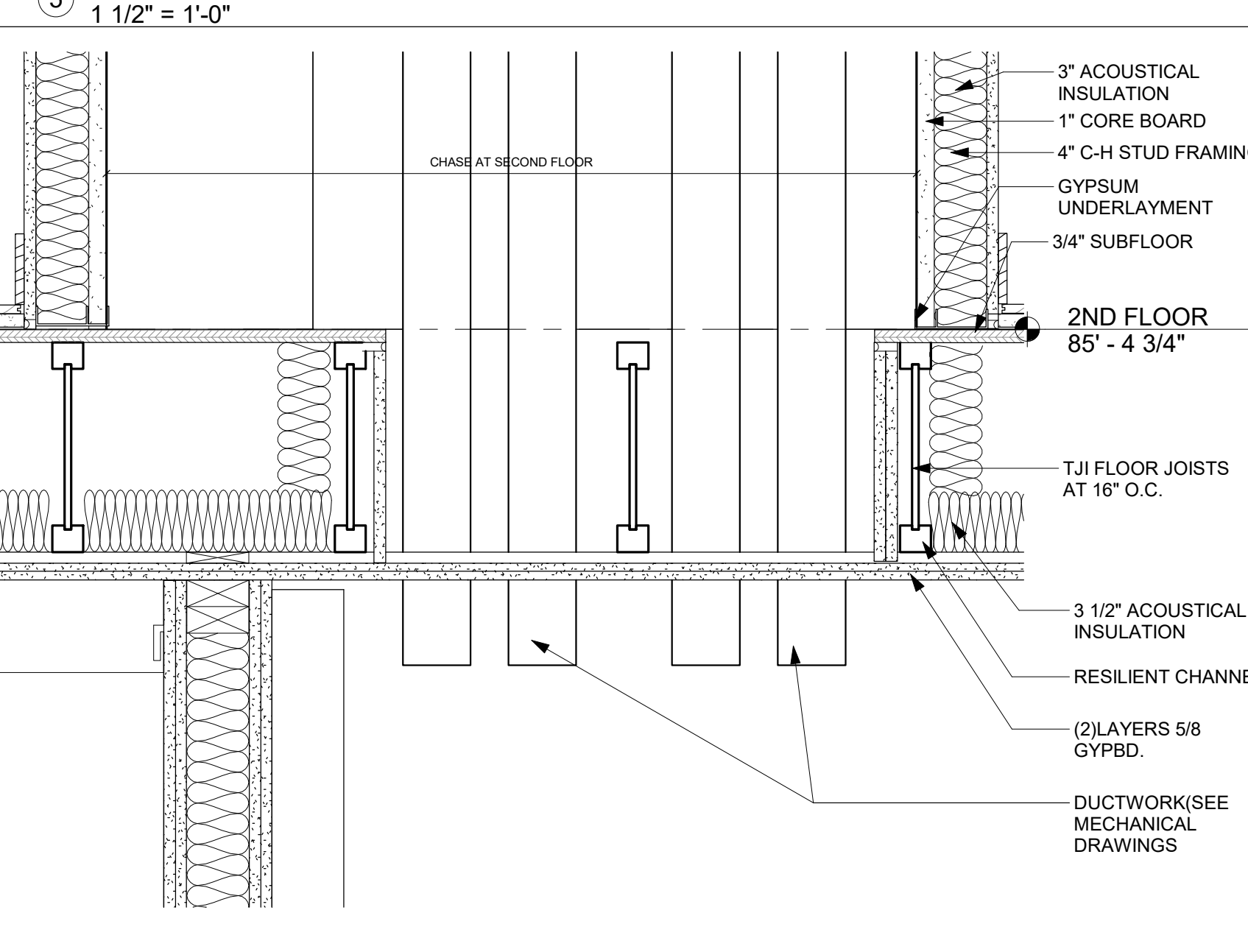
6 SECTION AT CENTER WALL
1 1/2" = 1'-0"



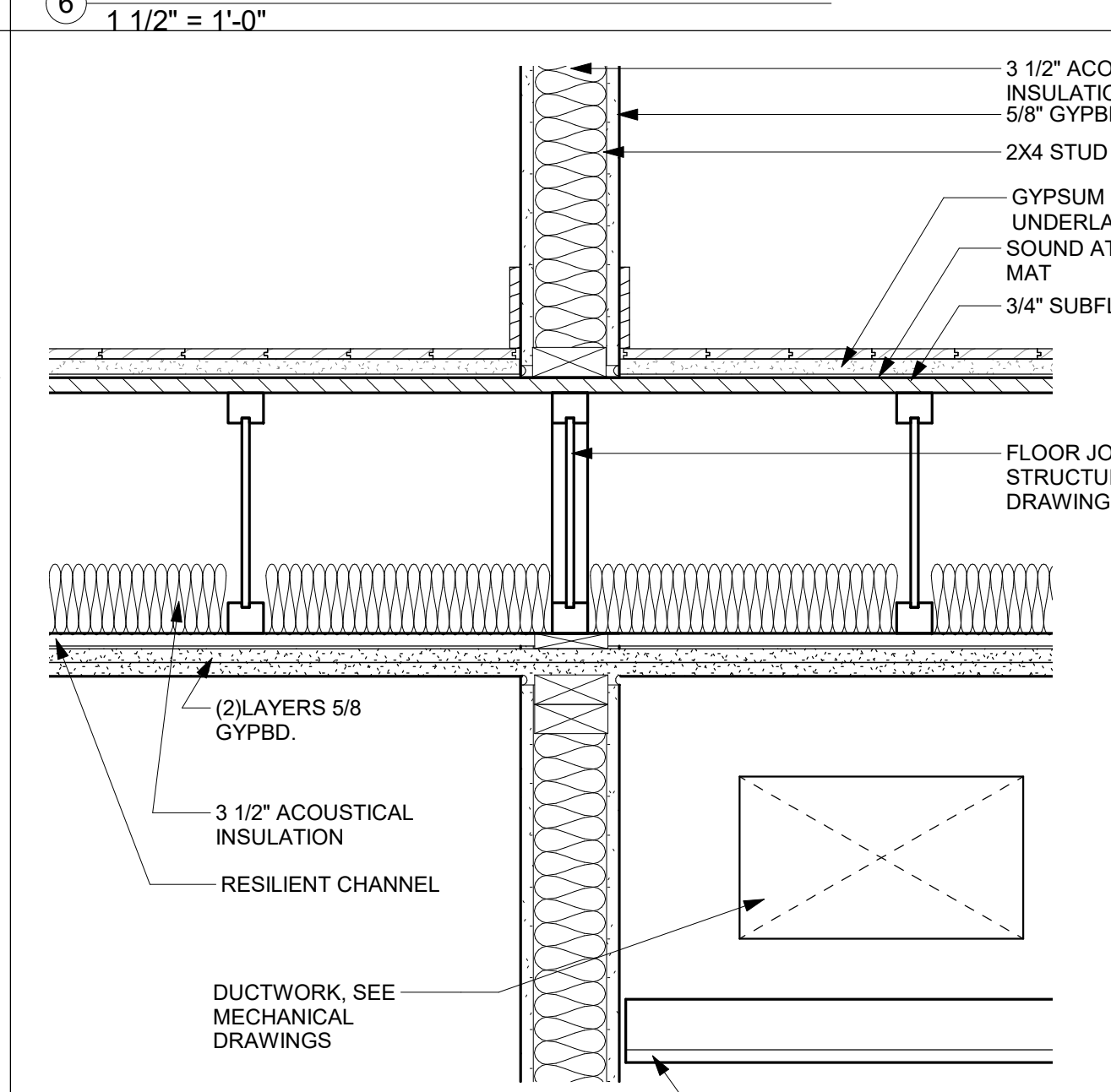
7 SECTION AT STAIR OPENING
1 1/2" = 1'-0"



8 SECTION AT FLOOR OPENING
1 1/2" = 1'-0"



9 SECTION AT SHAFT OPENING
1 1/2" = 1'-0"



10 SECTION AT COLUMN LINE
1 1/2" = 1'-0"



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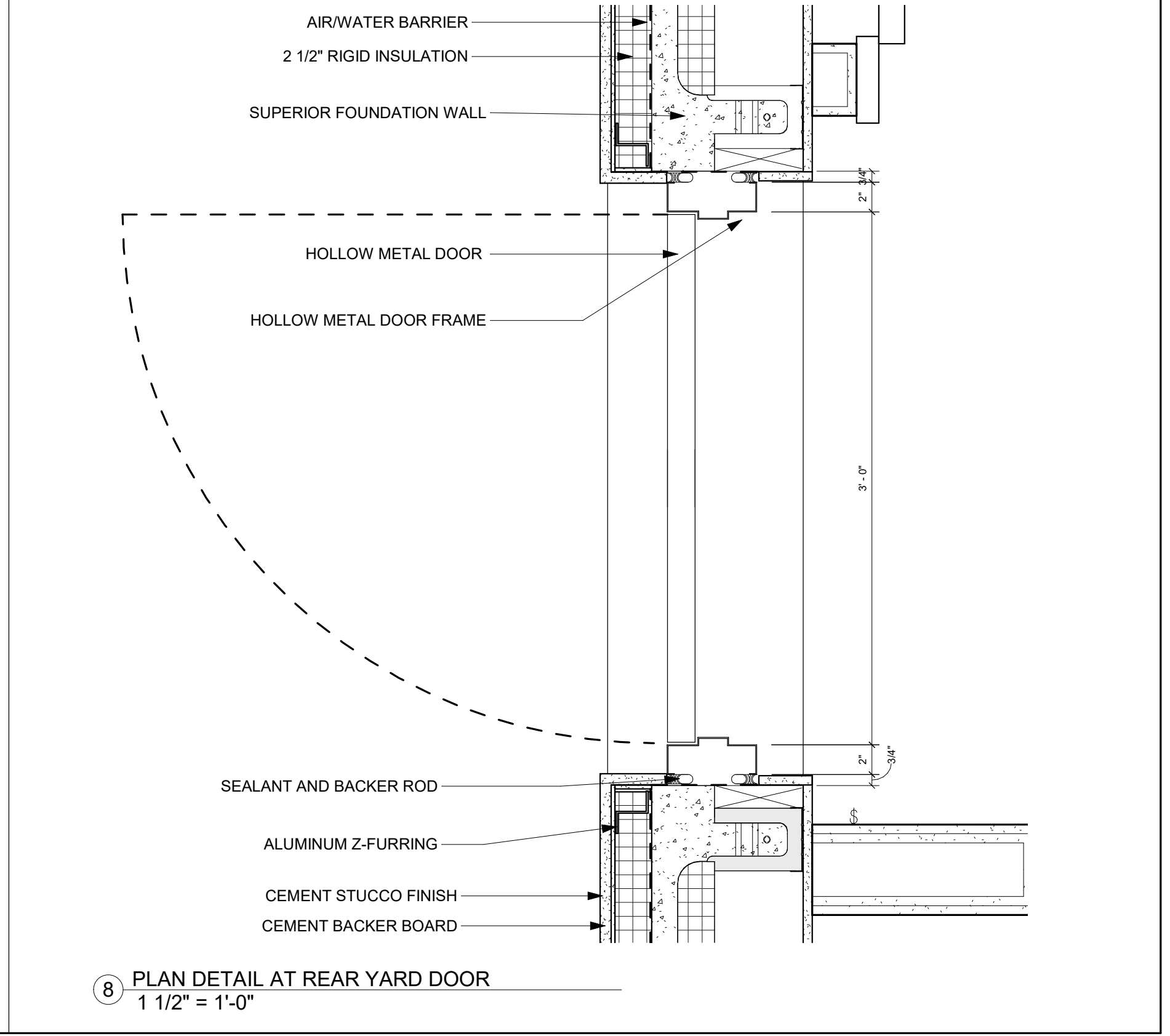
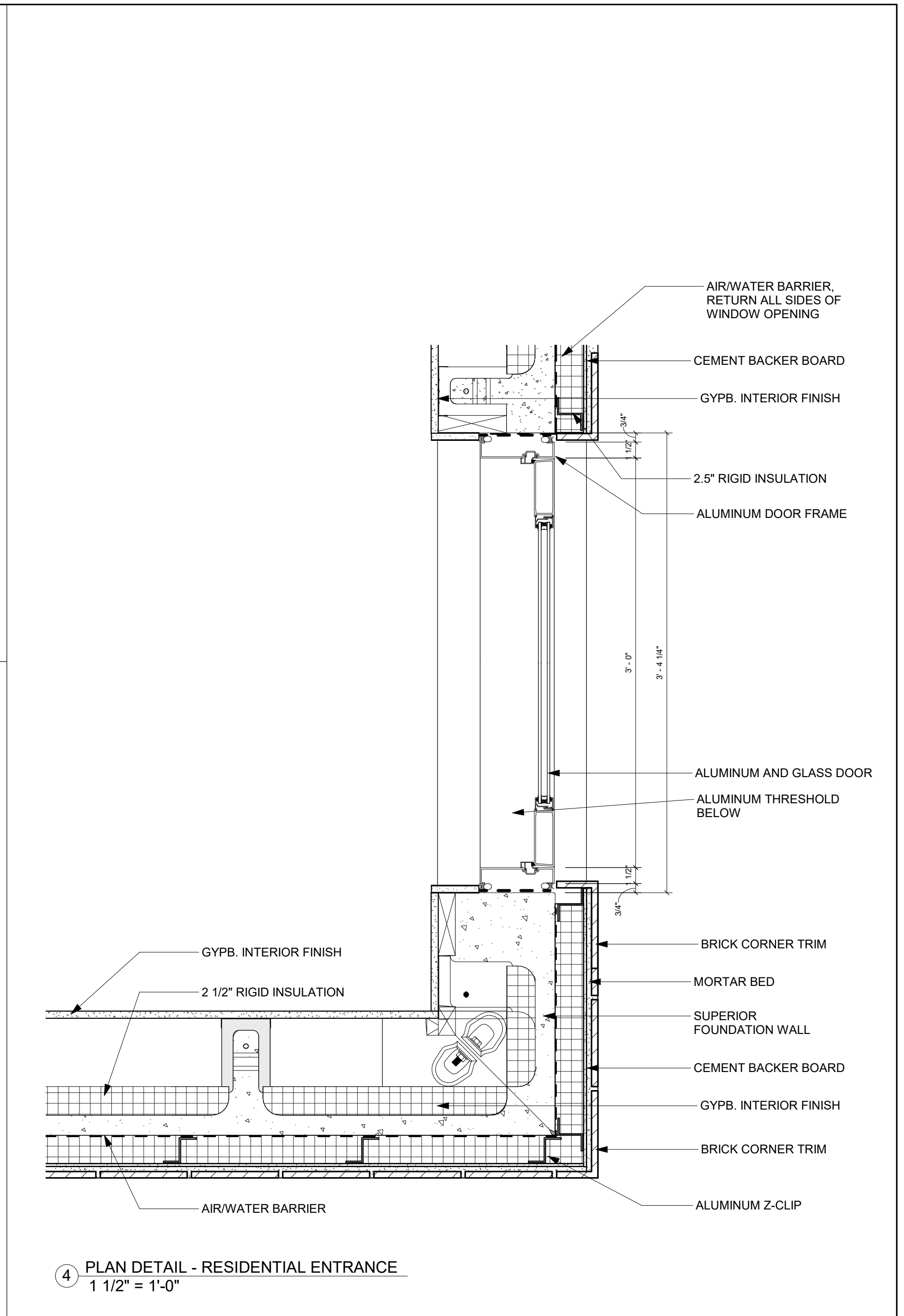
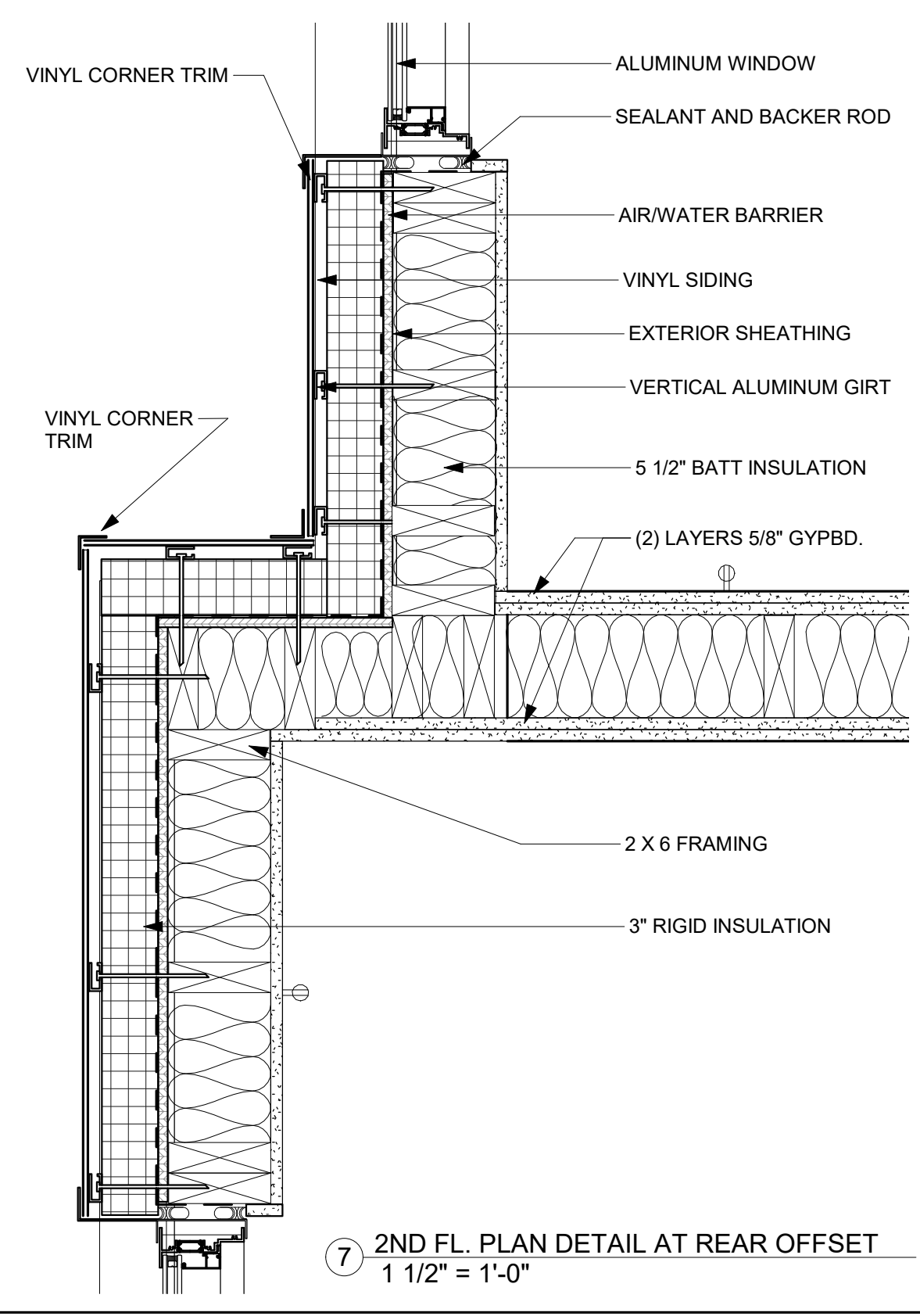
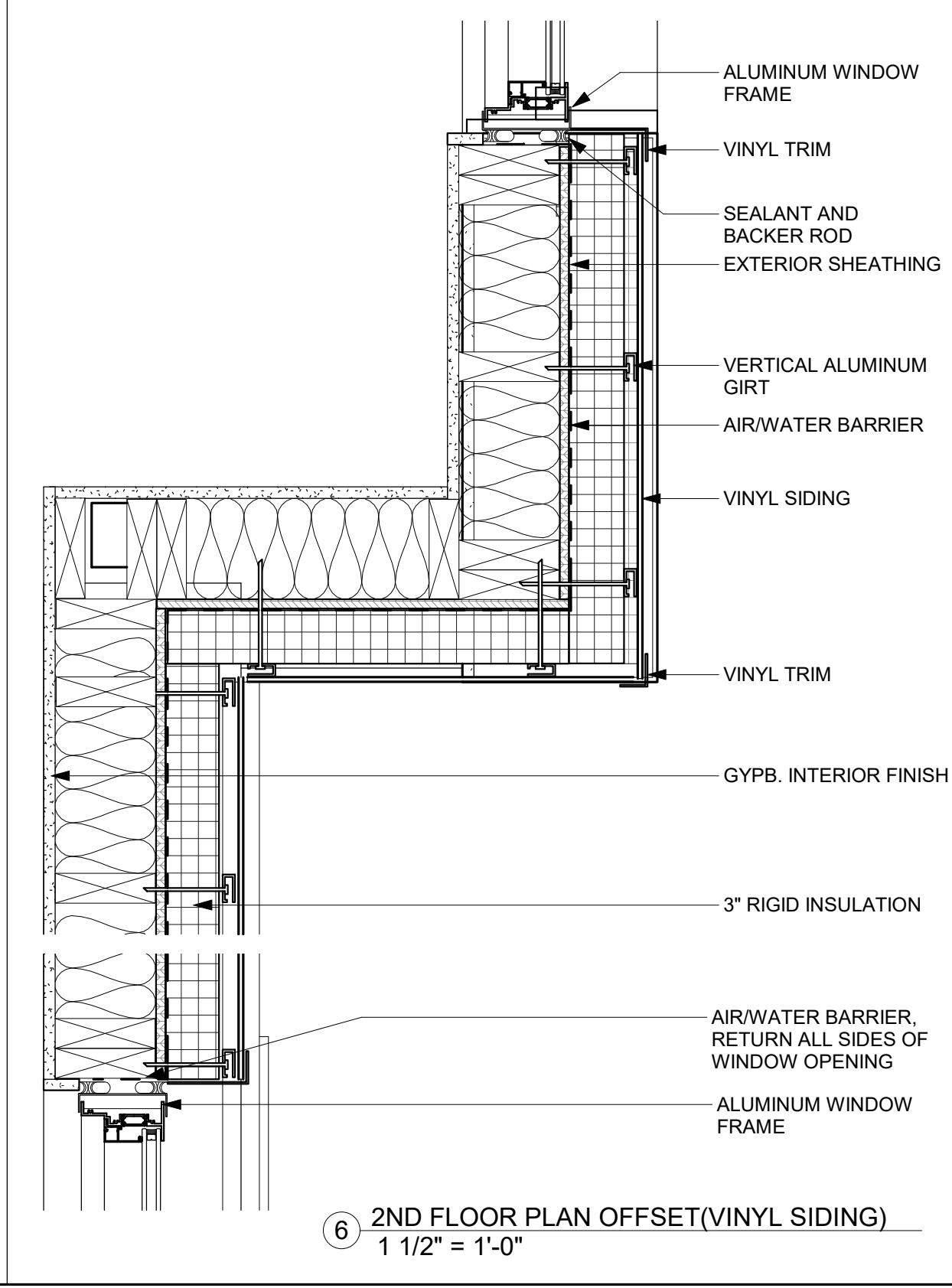
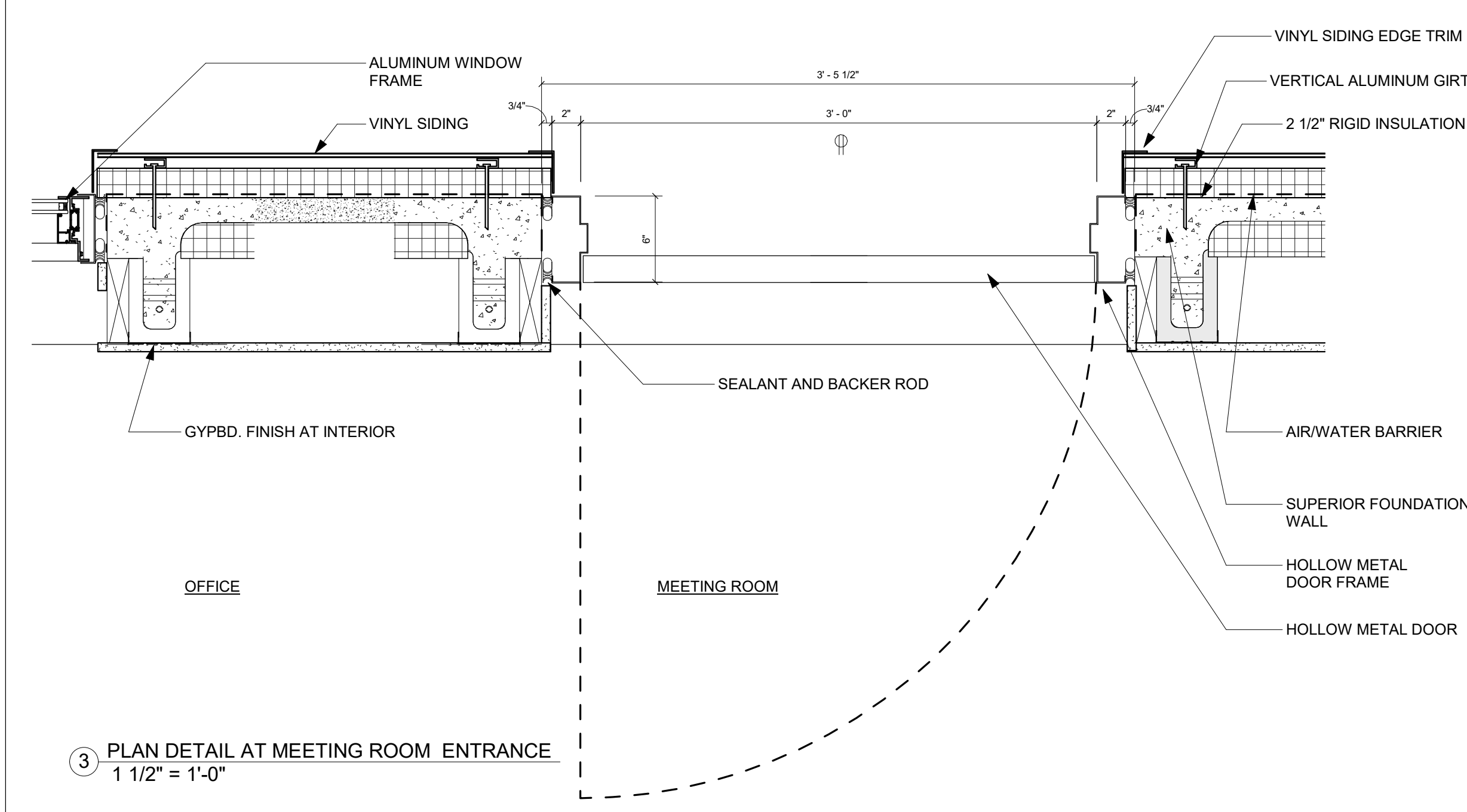
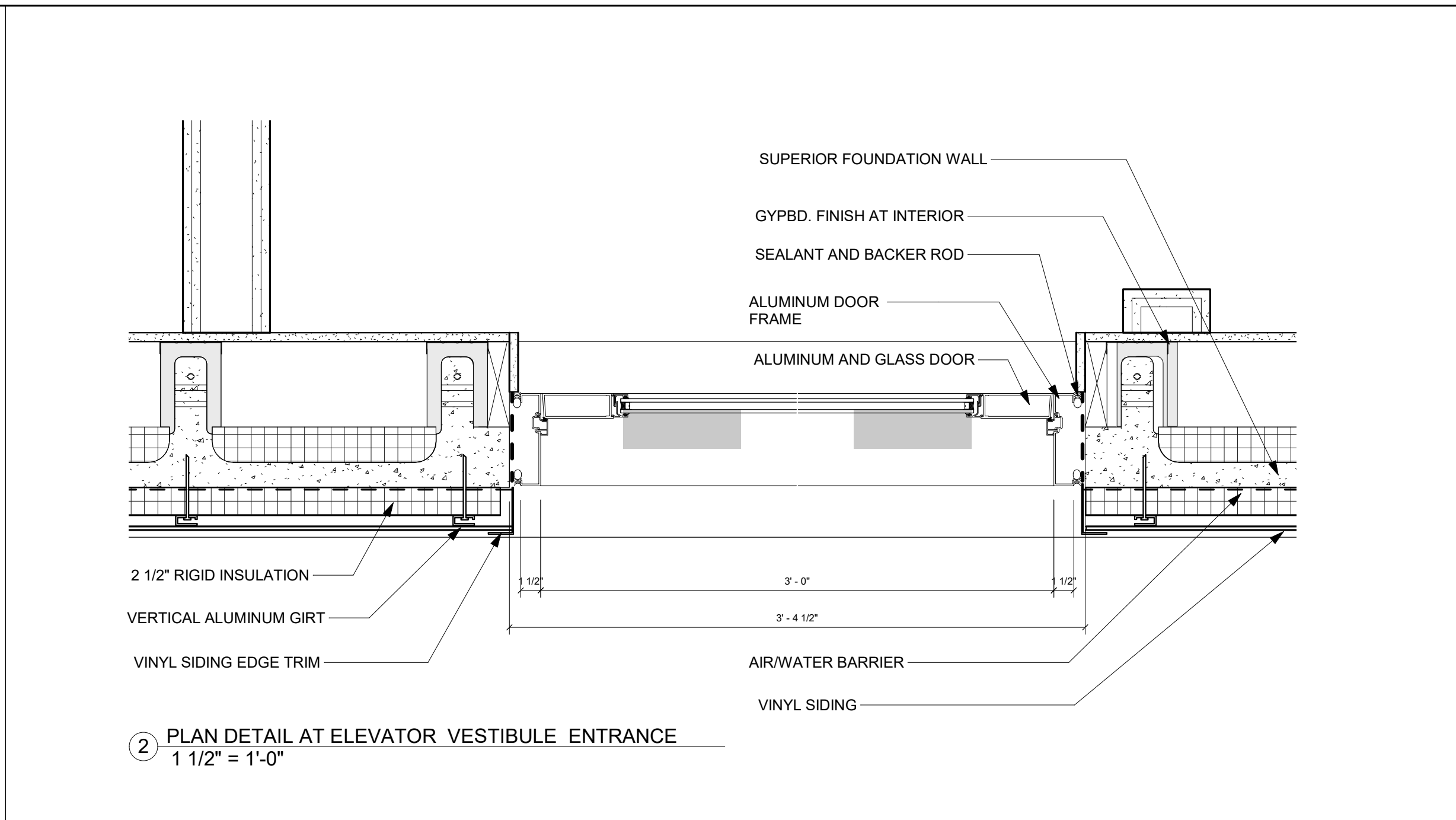
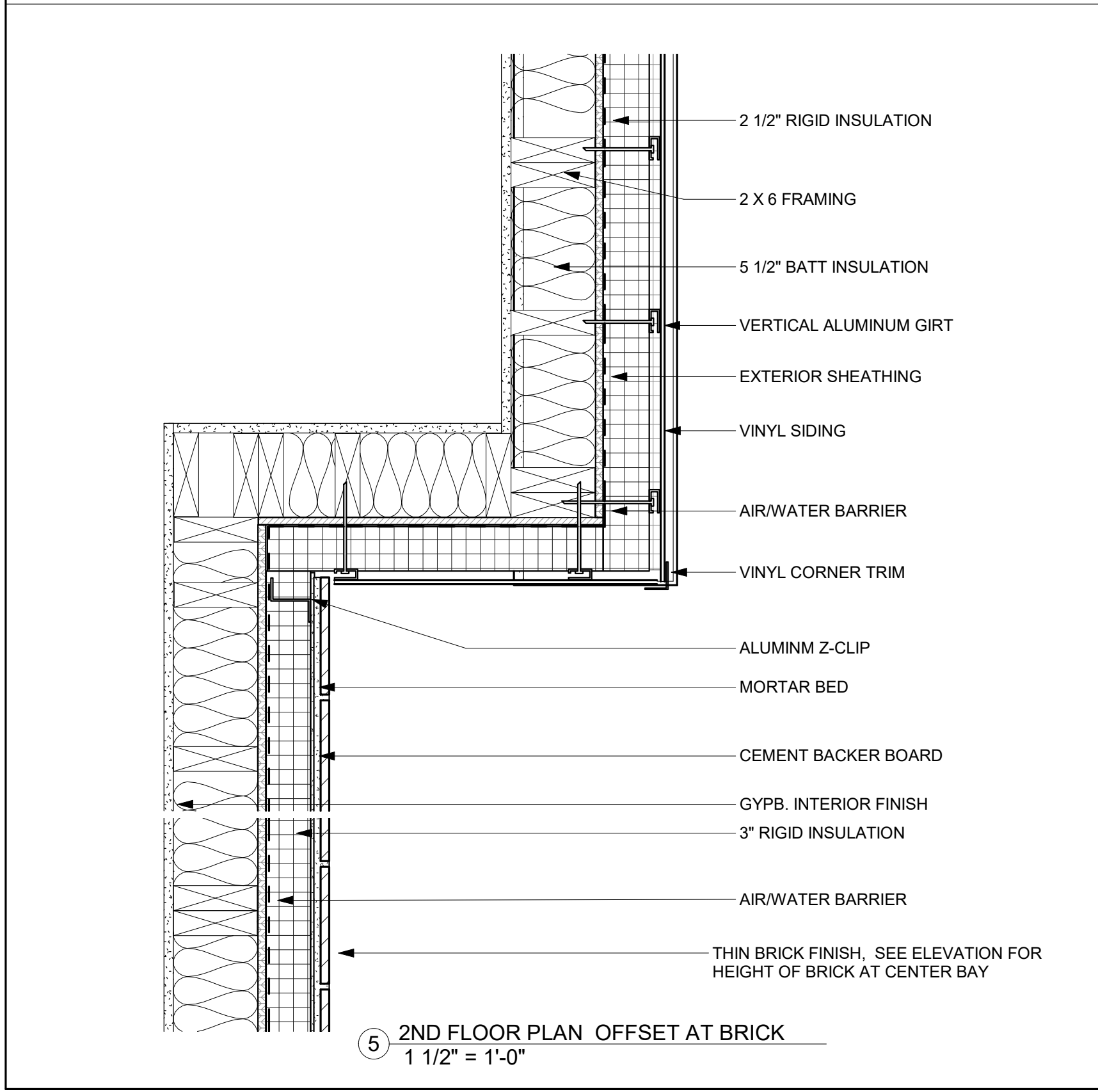
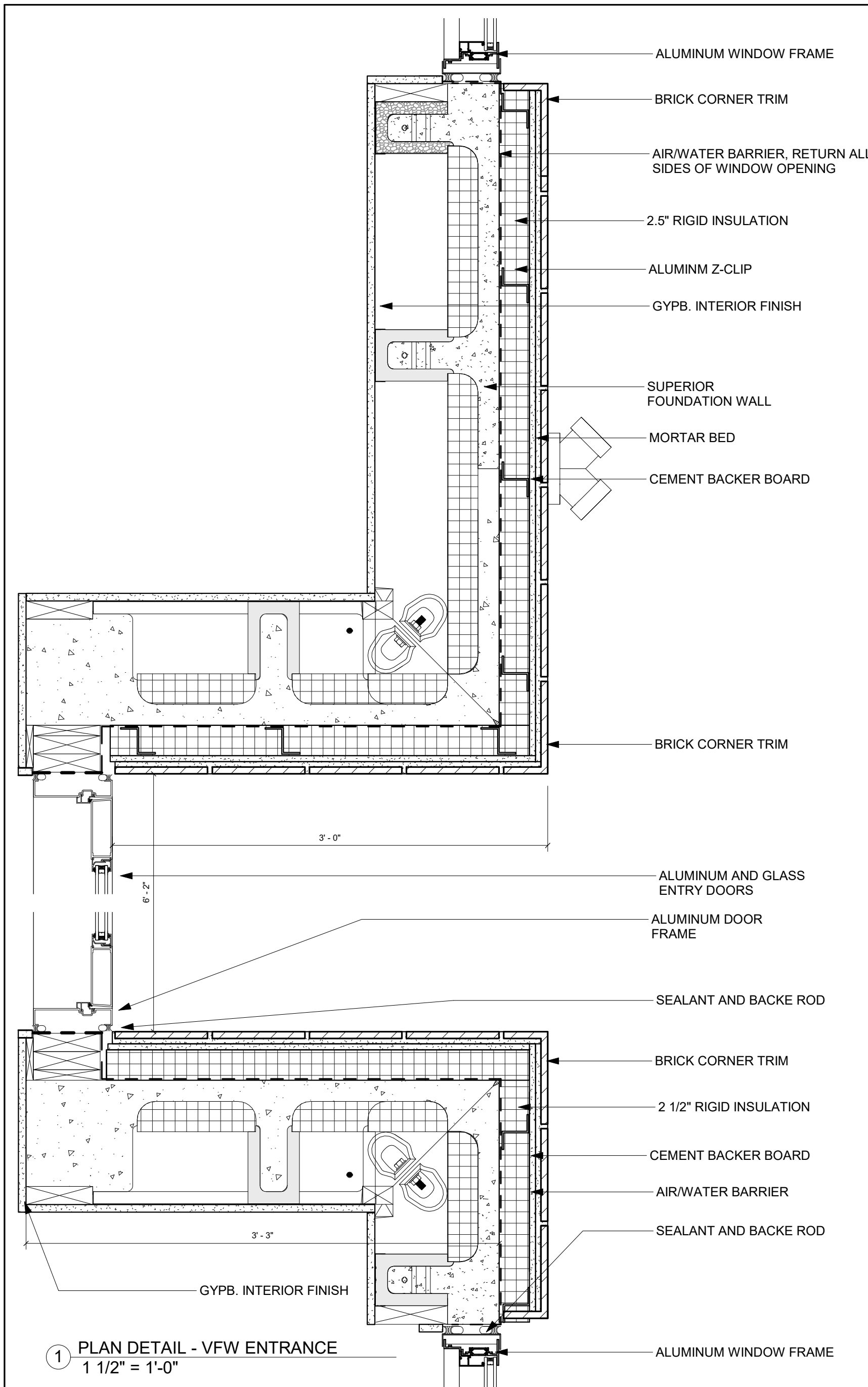
DRAWING TITLE
**TYPICAL SECTION
DETAILS**

DRAWING NO.
A-703

DATE: 01/14/22
SCALE: 1 1/2" = 1'-0"

STAMP & SIGNATURE

NJ LICENSE 20591



6	ISSUE FOR FILING	01/14/2022
5	90% CD SET	12/1/2021
4	75% CD SET	11/15/2021
3	DESIGN DEVELOPMENT	09/27/2021

ISSUE/REVISION	DATE
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DRAWING TITLE
EXTERIOR PLAN DETAILS

DRAWING NO.
A-704

DATE: 01/14/22
 SCALE: 1 1/2" = 1'-0"

STAMP & SIGNATURE

 NJ LICENSE 20591

ENERGY STAR VERSION 3.1 CRITERIA

HOMES PERMITTED ON OR AFTER OCTOBER 1, 2020 SHALL USE VERSION 3.1 (REV. 10 - 11/20/19) FOR COMPLIANCE WITH ENERGY STAR CRITERIA

PROJECT IN CLIMATE ZONE 5, WOOD FRAME CONSTRUCTION INSULATION QUALITY: GRADE 1

NOTE: IF ANY VALUES FOR ENERGY STAR CRITERIA ARE IN CONFLICT WITH PROVISIONS OF THE ENERGY CODE, ENERGY CODE SHALL GOVERN

Table with columns for Envelope, Windows and Doors, Foundations, Floors Over Unconditioned Spaces, Above-Grade Walls, Thermally Isolated Sunrooms, Doors, Glazing, Skylights, Ceilings, Attics, Roofs, and Internal Mass. Each row contains a category and its corresponding requirements.

Table titled 'THERMAL DISTRIBUTION SYSTEMS' with columns for Duct Leakage to Outside, Duct Insulation, Supply and Return Ducts Locations, Duct Insulation for Ducts in Unconditioned Space, Thermostat Type, Heating Systems, Heating Capacity, Gas Furnace, Gas Boiler, Cooling Systems, Cooling Capacity, Air Conditioner, Water Heating Equipment, Use(gallons per day), Gas: Storage Tank Capacity, Gas: DHW EF, Lighting and Appliances, Refrigerators, Dishwashers, Ceiling Fans, Clothes Washer and Dryer, and Internal Gains.

Table titled 'Mandatory Requirements for All Certified Homes' with columns for Party Responsible and Party Responsible. It lists requirements for Party Responsible and Requirements Only Applicable to Path A - HVAC Grading.

Table titled 'Mandatory Requirements for All Certified Homes' with columns for Party Responsible and Party Responsible. It lists requirements for Party Responsible and Requirements Only Applicable to Path B - HVAC Credential.

National Rater Field Checklist ENERGY STAR Certified Homes, Version 3 / 3.1 (Rev. 10)

Form for National Rater Field Checklist, Version 3 / 3.1 (Rev. 10). Includes fields for Home Address, City, State, Permit Date, and a large table of checklist items with checkboxes for Must Correct, Builder Verified, and Rater Verified.

National Water Management System Builder Requirements ENERGY STAR Certified Homes, Version 3 / 3.1 (Rev. 10)

Form for National Water Management System Builder Requirements, Version 3 / 3.1 (Rev. 10). Includes a section for Builder Responsibilities and a large table of checklist items for water management systems.

Footnotes: 1. These requirements are designed to improve moisture control in homes. However, these features alone cannot prevent all moisture problems. For example, leaky pipes or overflowing baths can lead to moisture issues and negatively impact the performance of the home.

National Rater Field Checklist ENERGY STAR Certified Homes, Version 3 / 3.1 (Rev. 10)

Form for National Rater Field Checklist, Version 3 / 3.1 (Rev. 10). Includes fields for Home Address, City, State, Permit Date, and a large table of checklist items for HVAC systems, duct quality, mechanical ventilation, and combustion appliances.

National Rater Design Review Checklist ENERGY STAR Certified Homes, Version 3 / 3.1 (Rev. 10)

Form for National Rater Design Review Checklist, Version 3 / 3.1 (Rev. 10). Includes fields for Home Address, City, State, Permit Date, and a large table of checklist items for design review.

Paterson Habitat For Humanity logo and address: 146 North 1st Street, Paterson, NJ 07522

PROJECT NAME: MIXED USE BUILDING VFW HALL / RESIDENTIAL 135 SUMMER STREET PASSAIC NJ 07055

CHEN O'NEIL ARCHITECTS, PLLC logo and address: 29 GANUNG DRIVE OSSINING, NY 10562 646-812-5566

MEP/FP ENGINEER: KEA logo and address: 186 Wood Ave South, 1ST Floor, Iselin, NJ 08830 t: 732-635-0044

CIVIL ENGINEER: Golden & Moran Engineering 22 Angelo Drive Sparta, NJ 07871 t: (973) 714-2131

STRUCTURAL ENGINEER: Tater Engineering LLC PO BOX 293 Clifton, NJ 07015 t: (973) 253-6183

APPLICANT: Paterson Habitat for Humanity 146 North 1st Street Paterson, NJ 07522 t: (973) 595-6868

ISSUE/REVISION DATE table with columns for issue number, description, and date.

DRAWING TITLE: ENERGY STAR NOTES

DRAWING NO.: EN-002

DATE: 1/6/22 SCALE: As indicated

STAMP & SIGNATURE: State of New Jersey Professional Engineer seal for Tater Engineering LLC.

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