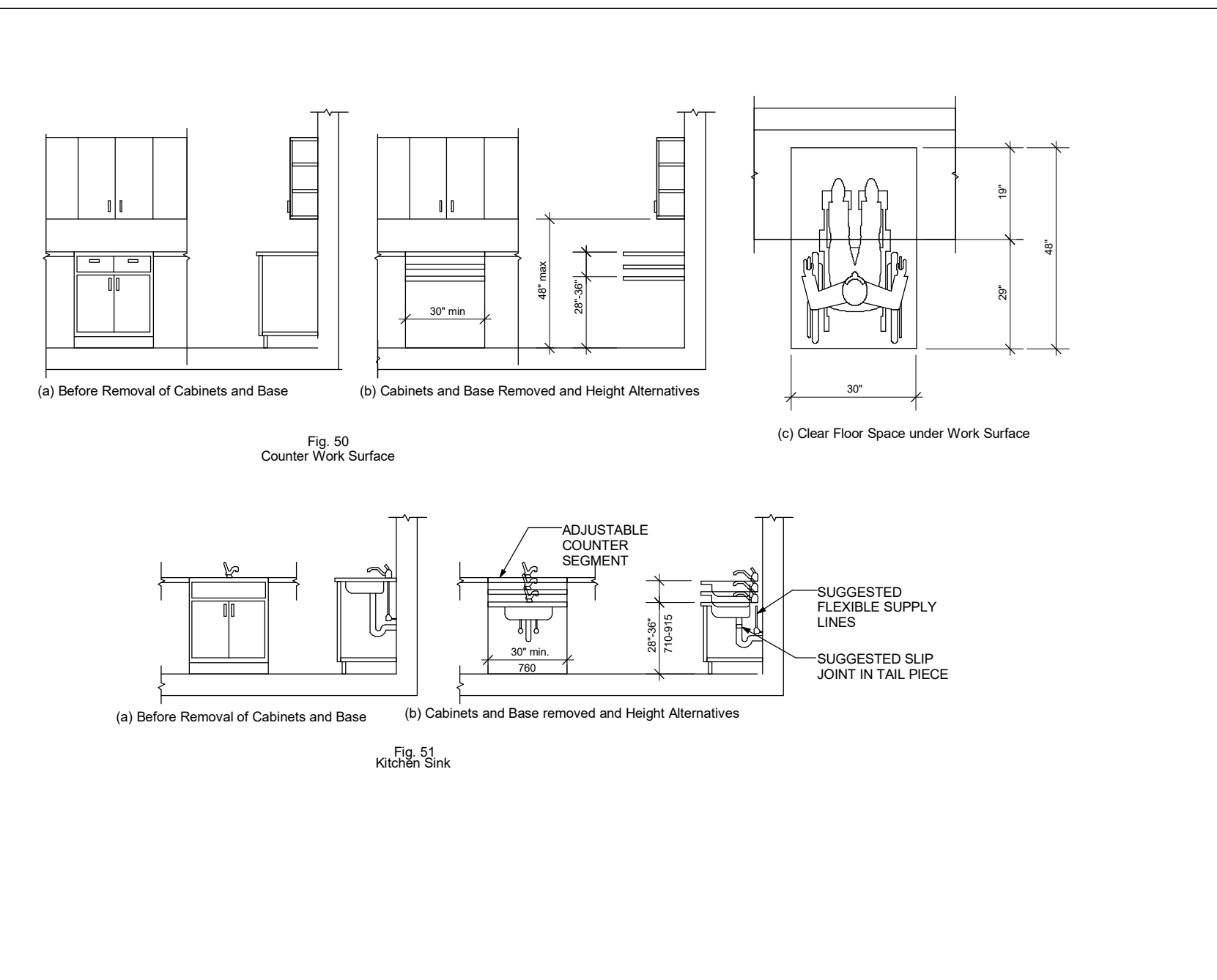
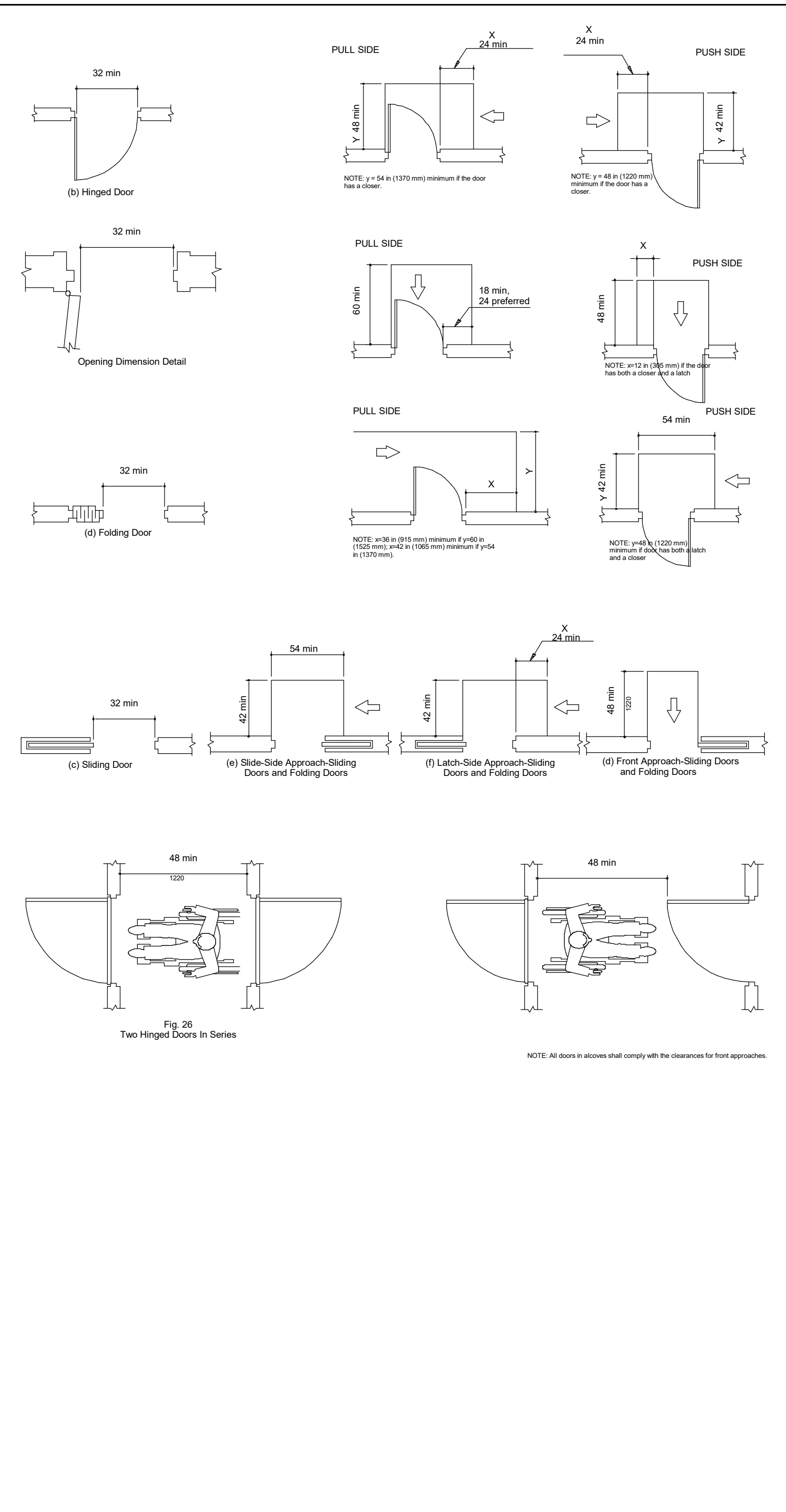


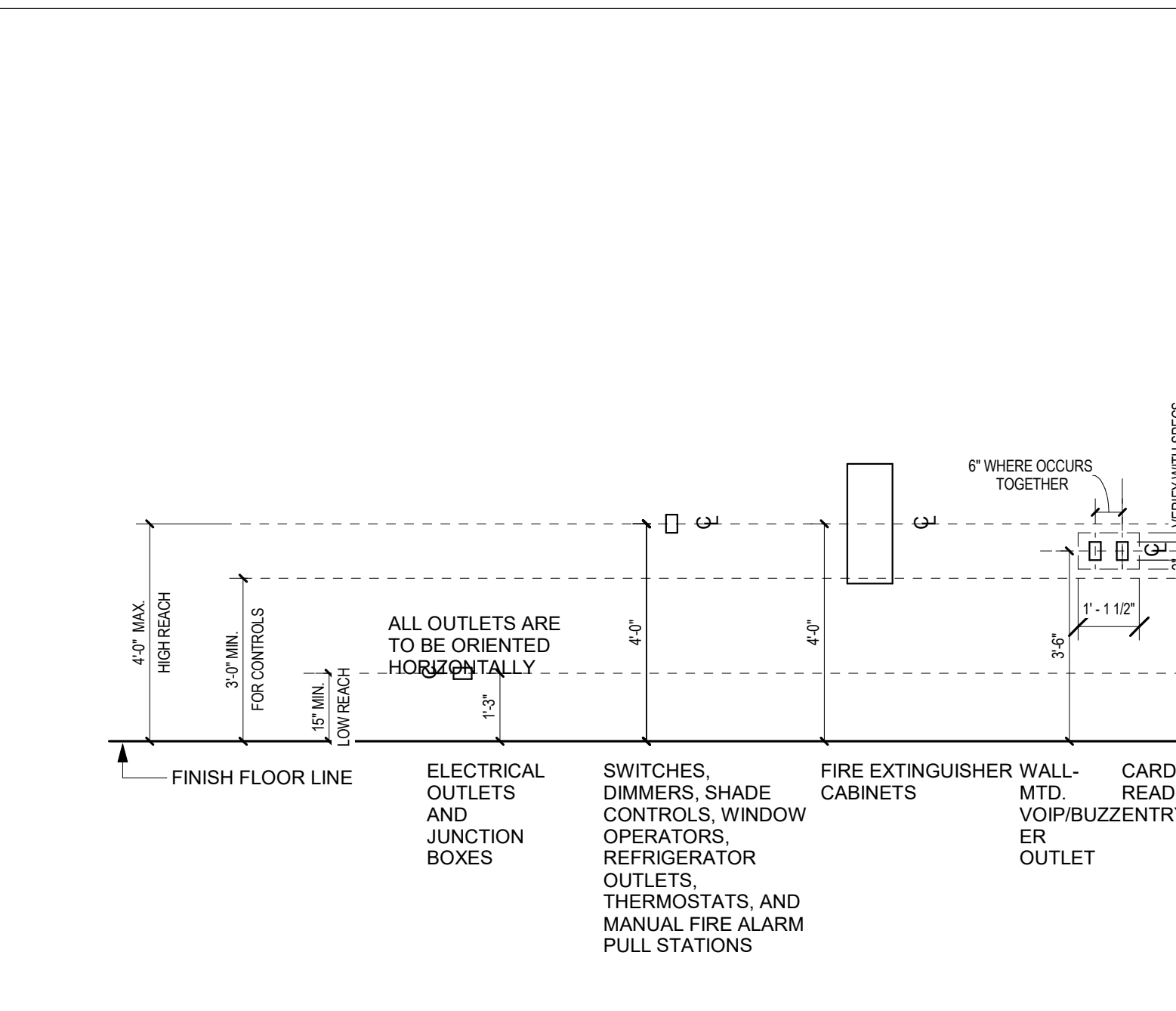
CLEARANCES AND TURNING RADIUS



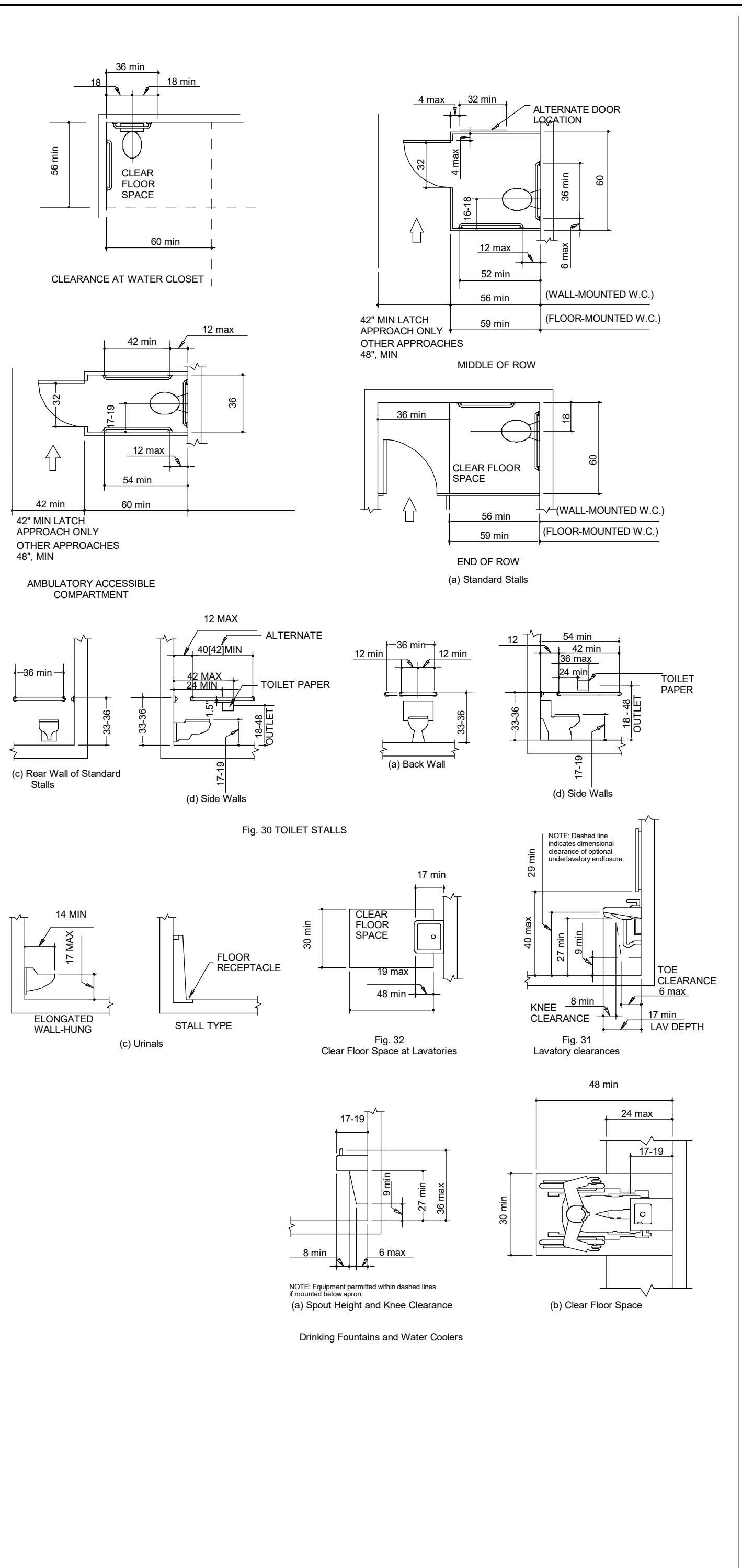
KITCHEN ACCESSIBILITY



DOOR CLEARANCES



MOUNTING HEIGHTS



BATHROOM CLEARANCES

**ACCESSIBILITY**

**1103.1 Where required.** Sites, buildings, structures, facilities, elements and spaces, temporary or permanent, shall be accessible to individuals with disabilities.

**1103.2.3.2 Buildings of Group R-2 with more than three dwelling units** in a single structure shall comply with accessibility requirements for R-2.

**1103.2.9 Equipment spaces.** Spaces frequented only by service personnel for maintenance, repair or occasional monitoring of equipment are not required to comply with this chapter.

**1104.3 Connected spaces.** Where a building or portion of a building is required to be accessible, at least one accessible route shall be provided to each portion of the building, to accessible building entrances connecting accessible pedestrian walkways and to the public way.

**1104.4.5 Limited use limited access elevators.** The use of a Limited Use Limited Access Elevator shall be permitted in accordance with the provisions of Section 1109.7.

**1104.5 Location.** Accessible routes shall coincide with or be located in the same area as a general circulation path. Where the circulation path is interior, the accessible route shall be interior. Where only one accessible route is provided, the accessible route shall not pass through kitchens, storage rooms, restrooms, closets or similar spaces.

**105.1.7 Public entrances.** In addition to accessible entrances required by Sections 1105.1.1 through 1105.1.7, at least 60 percent of all public entrances shall be accessible. The primary entrance(s) used by the general public shall be accessible.

**1105.1.7 Dwelling units and sleeping units.** At least one accessible entrance shall be provided to each dwelling unit and sleeping unit in a facility.

**1106.1 Required.** Where parking is provided, accessible parking spaces shall be provided in compliance with Table 1106.1.

Total parking spaces provided: 1 to 25  
Required Number of Accessible Spaces: 1

**1106.2 Group R-2.** In Group R-2 occupancies that are required to have Accessible or Type A dwelling units or sleeping units, at least 2 percent, but not less than one, of each type of parking space provided shall be accessible.

**1107.2 Design.** Dwelling units and sleeping units that are required to be Accessible units and Type A units shall comply with the applicable portions of Chapter 10 of ICC A117.1. Units required to be Type A units are permitted to be designed and constructed as Accessible units.

**1107.4 Accessible route.** Not fewer than one accessible route shall connect accessible building or facility entrances with the primary entrance of each Accessible unit and Type A unit within the building or facility and with those exterior and interior spaces and facilities that serve the units.

**1107.6.2 Group R-2. Accessible units and Type A units** shall be provided in Group R-2 occupancies in accordance with Sections 1107.6.2.1 through 1107.6.2.3.

**1107.6.2.2 Apartment houses.** Type A units shall be provided in apartment houses in accordance with Section 1107.6.2.2.1.

**1107.6.2.2.1 Type A units.** In Group R-2, apartment houses containing four or more dwelling units or sleeping, all ground floor dwelling units in a building without elevator service and all dwelling units in an elevator-serviced building shall be Type A units. For the purpose of applying this requirement, the ground floor shall mean, in a building containing dwelling units, the first floor with a dwelling unit or portion of a dwelling unit, regardless of whether that floor is at grade.

**1109.2 Toilet and bathing facilities.** Each toilet room and bathing room shall be accessible. Except as provided for in Sections 1109.2.2 and 1109.2.3, at least one of each type of fixture, element, control or dispenser in each accessible toilet room and bathing room shall be accessible. Exceptions: Where multiple single-user toilet rooms or bathing rooms are clustered at a single location, at least 50 percent but not less than one room for each use at each cluster shall be accessible.

**1109.3 Sinks.** Where sinks are provided, at least 5 percent but not less than one provided in accessible spaces shall be accessible. Exception: Mop or service sinks are not required to be accessible.

**1109.5.1 Minimum number.** Not fewer than two drinking fountains shall be provided. One drinking fountain shall comply with the requirements for people who use a wheelchair and one drinking fountain shall comply with the requirements for standing persons. Exceptions: A single drinking fountain with two separate spouts that complies with the requirements for people who use a wheelchair and standing persons shall be permitted to be substituted for two separate drinking fountains.

**1109.7 Elevators.** Passenger elevators on an accessible route shall be accessible and comply with Chapter 30. Exceptions: A limited use/limited application elevator that complies with ANSI/ASME A17.1 adopted by reference in the building subcode shall be allowed to provide a vertical accessible route in the following buildings or tenancies, provided that the travel distance of the device does not exceed 25 feet: In small buildings as defined in Section 1104.4.1;

**1109.11 Seating at tables, counters and work surfaces.** Where seating or standing space at fixed or built-in tables, counters or work surfaces is provided in accessible spaces, at least 5 percent of the seating and standing spaces, but not less than one, shall be accessible.

ACCESSIBILITY NOTES



PROJECT NAME  
**135 SUMMER STREET  
PASSAIC NJ 07055**

CHEN O'NEIL ARCHITECTS, PLLC  
**29 GANUNG DRIVE  
OSSINING, NY 10562  
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APPLICANT:  
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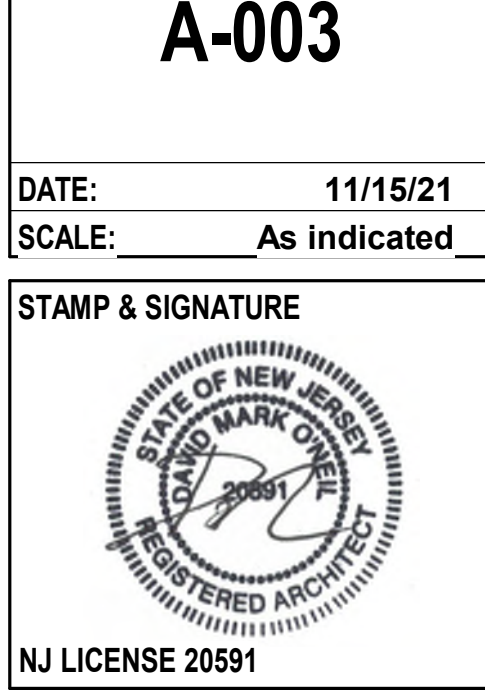
3 PROGRESS SET 09/27/2021

ISSUE/REVISION DATE

DRAWING TITLE  
**ACCESSIBILITY DIAGRAMS  
AND NOTES**

DRAWING NO.  
**A-003**

DATE: 11/15/21  
SCALE: As indicated





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

PROJECT NAME

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4	PROGRESS SET	11/15/2021
3	PROGRESS SET	09/27/2021

ISSUE/REVISION	DATE
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DRAWING TITLE  
**FIRST FLOOR SLAB EDGE P LAN**

DRAWING NO.

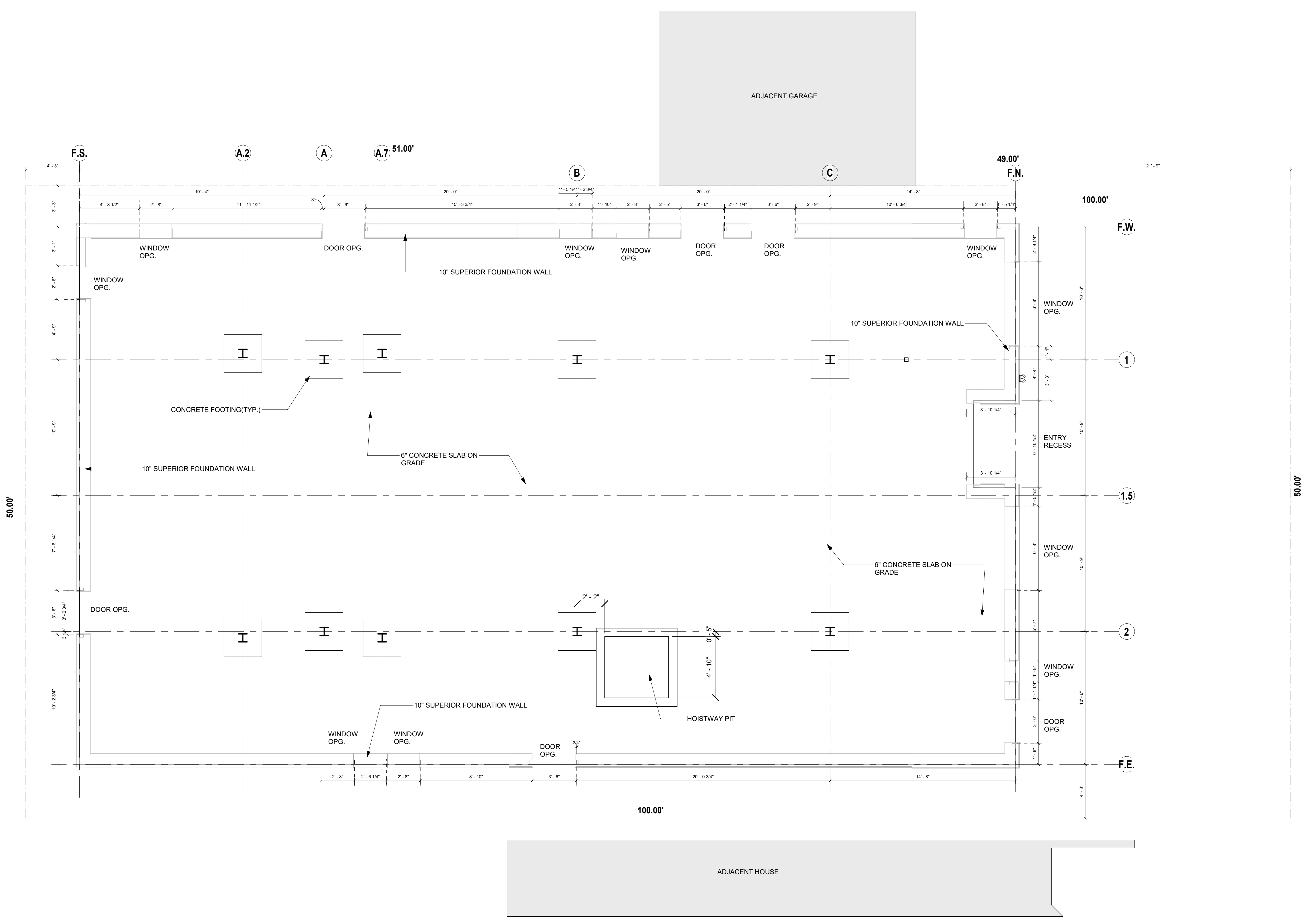
**A-101**

DATE: 11/15/21  
SCALE: 1/4" = 1'-0"

STAMP & SIGNATURE



NJ LICENSE 20591



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
GRID F.E.	= OUTSIDE FACE OF CONCRETE AT EAST FOUNDATION WALL
GRID F.W.	= OUTSIDE FACE OF CONCRETE AT WEST FOUNDATION WALL

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



Paterson Habitat For Humanity  
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Paterson, NJ 07522

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4	PROGRESS SET	11/15/2021
3	PROGRESS SET	09/27/2021

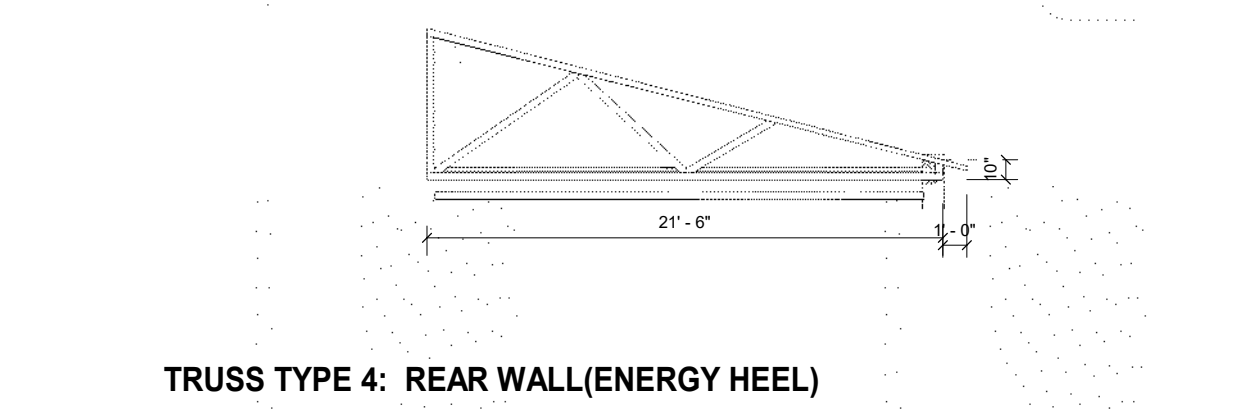
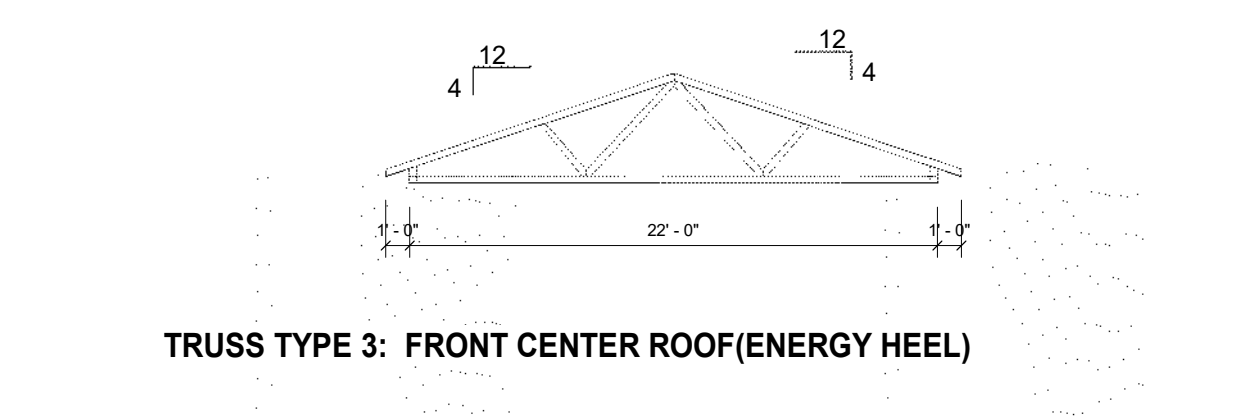
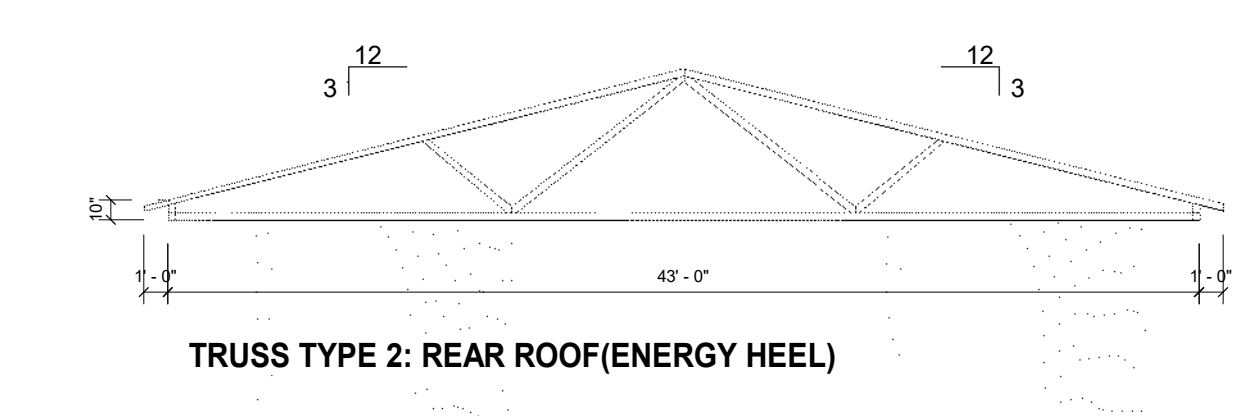
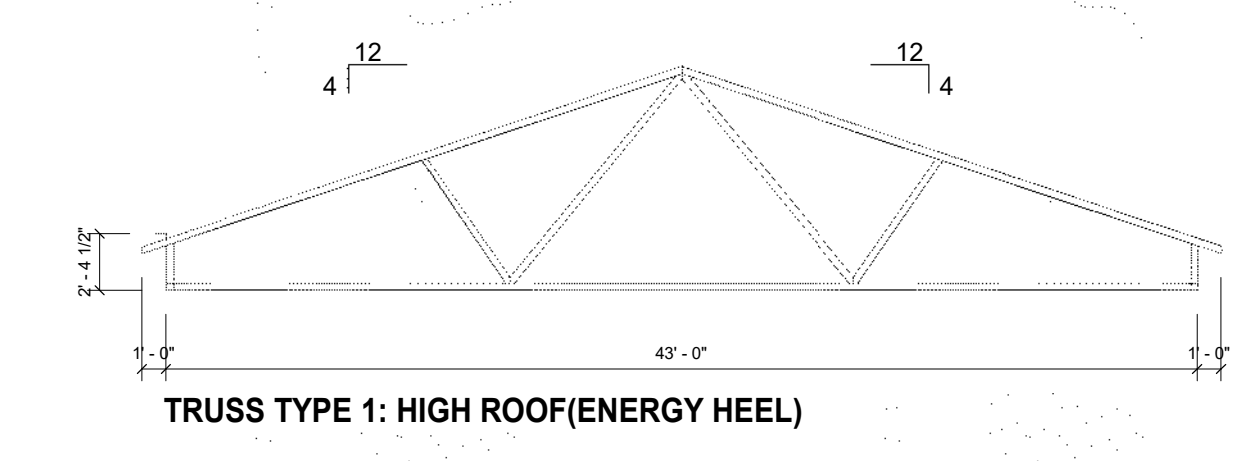
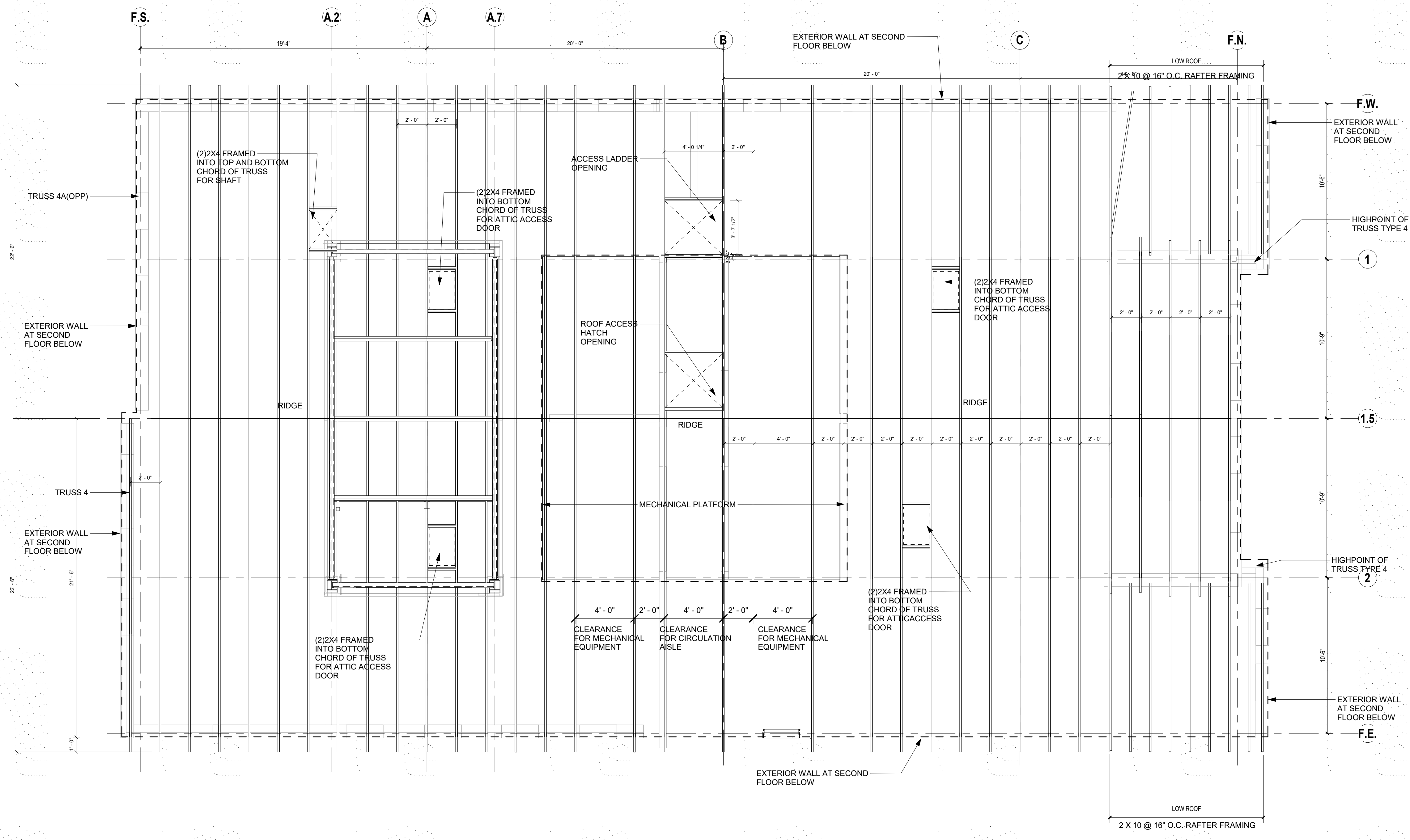
ISSUE/REVISION	DATE
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DRAWING TITLE  
**ROOF LAYOUT PLAN**

DRAWING NO.  
**A-103**

DATE: 11/15/21  
SCALE: As indicated

STAMP & SIGNATURE  
  
NJ LICENSE 20591



TRUSS TYPE 4A: OPP.

DRAWING FOR DIMENSIONAL INFORMATION ONLY:  
SEE PDJ TRUSS DRAWINGS FOR ENGINEERING AND  
ALL OTHER INFORMATION

GRIDLINE NOTES	
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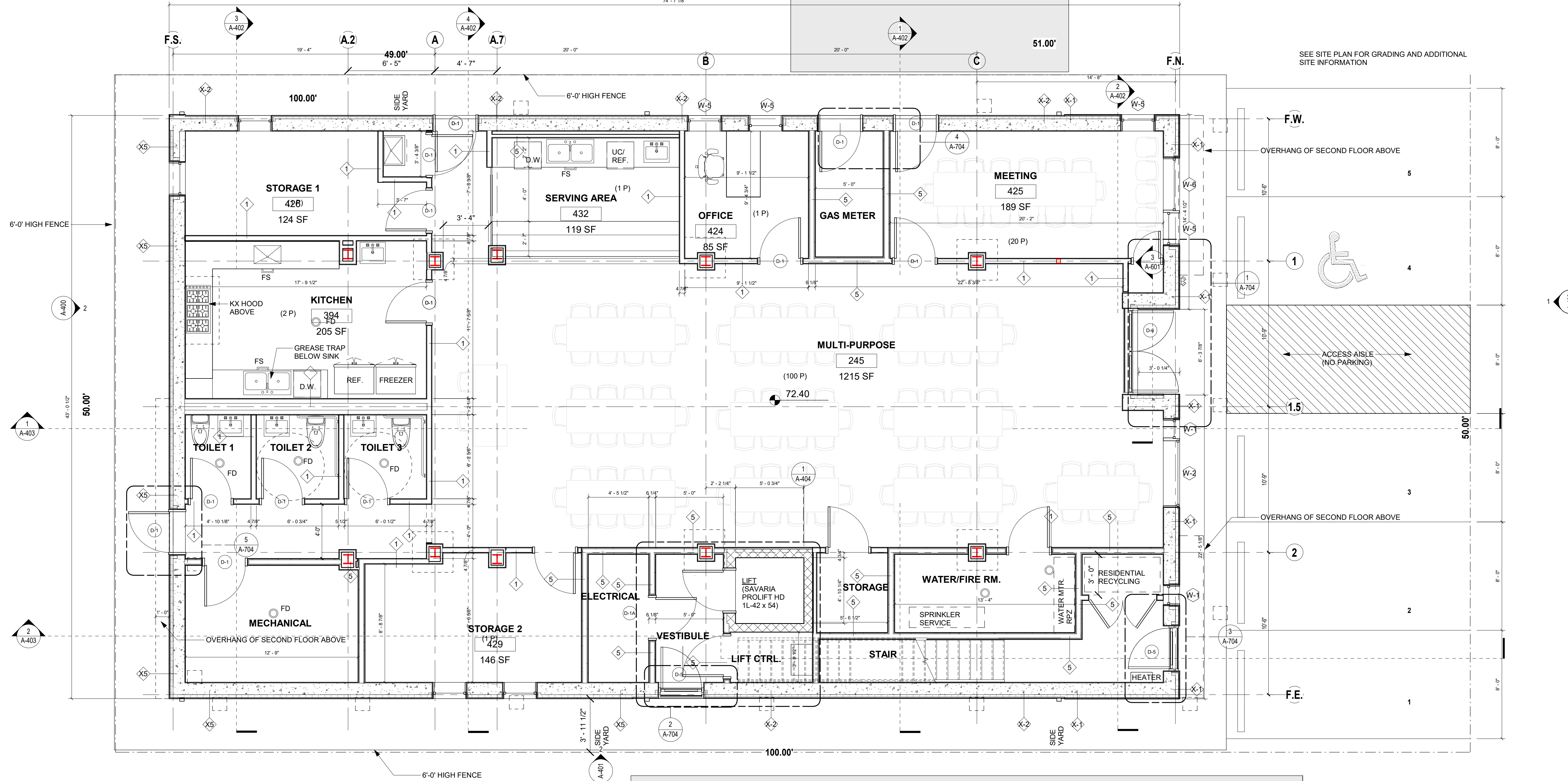
1 ROOF FRAMING PLAN  
1/4" = 1'-0"

**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.

SEE DRAWING A-700 FOR PARTITION, DOOR AND WINDOW TYPES



1 LEVEL 1 CONSTRUCTION PLAN  
1/4" = 1'-0"

OCCUPANT LOAD PER TABLE 1004.5				
ROOM	FUNCTION	OCCUPANT FACTOR		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				
FIXTURE TYPES	OCCUPANCY	M	F	PROVIDED
WATER CLOSETS	ASSEMBLY(1 PER 50 BUSINESS LESS THAN 1,500 SF PER 7.21.4	1	1	2 GENDER NEUTRAL
LAVATORY	ASSEMBLY(1 PER 50 BUSINESS LESS THAN 1,500 SF PER 7.21.4	1	1	2 GENDER NEUTRAL
DRINKING FOUNTAIN	ASSEMBLY/BUSINESS	-	-	POTABLE WATER/SINK
UTILITY SINK	1 PER FLOOR	-	-	1 PER FLOOR

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

PROJECT NAME  
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PASSAIC NJ 07055**

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ISSUE/REVISION	DATE
4	PROGRESS SET 11/15/2021
3	PROGRESS SET 09/27/2021

DRAWING TITLE  
**FIRST FLOOR  
CONSTRUCTION PLAN**

DRAWING NO.  
**A-201**

DATE: **11/15/21**  
SCALE: **As indicated**

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NJ LICENSE 20591

**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.

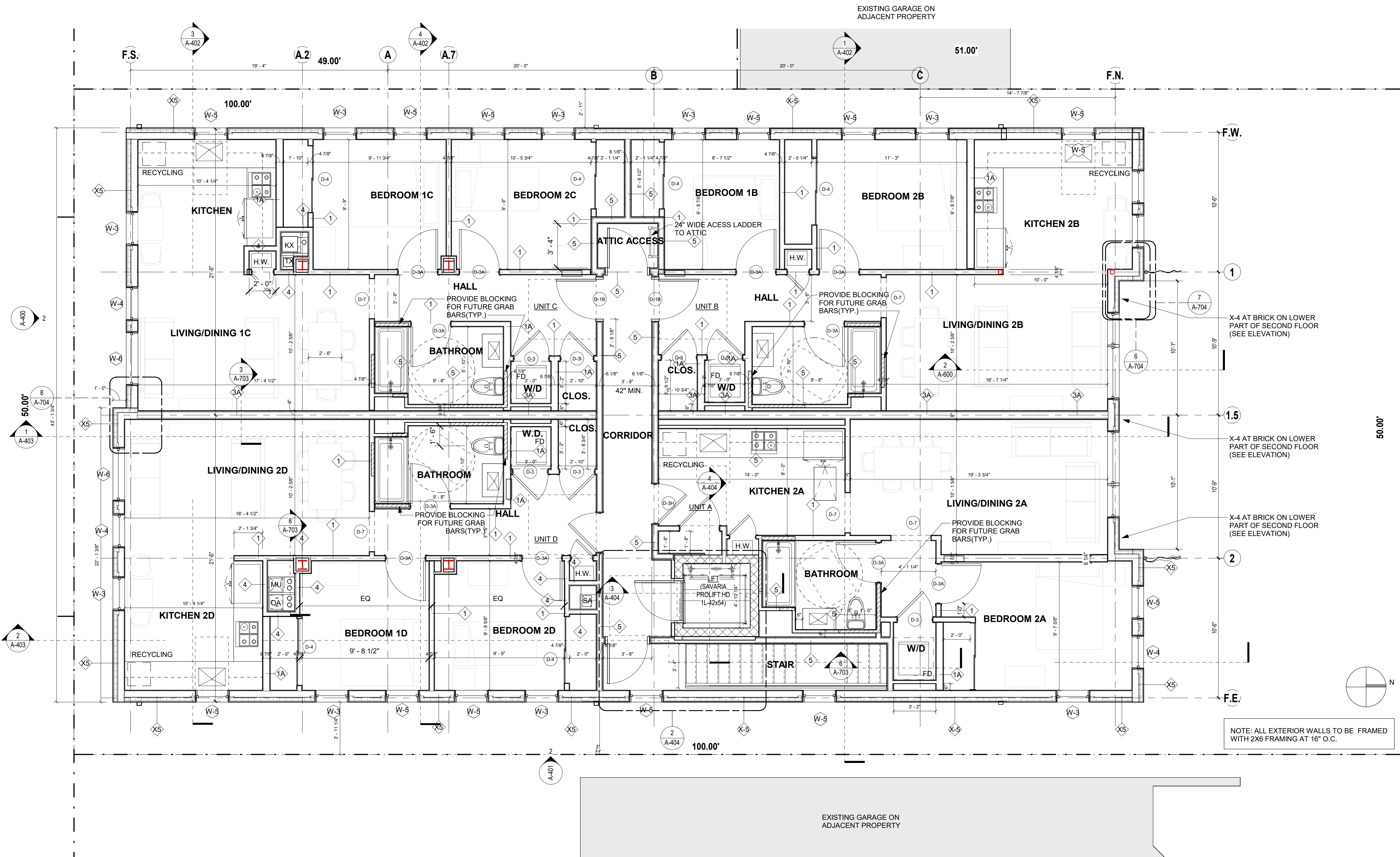
**1207.3 Room area.** Every dwelling unit shall have not less than one room that shall have not less than 120 square feet of net floor area. Other habitable rooms shall have a net floor area of not less than 70 square feet.

**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 over 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.

SEE DRAWING A-700 FOR PARTITION, DOOR AND WINDOW TYPES



**1 LEVEL 2 CONSTRUCTION PLAN**  
1/4" = 1'-0"

GRIDLINE NOTES	
GRID 1.5	= CENTERLINE OF BUILDING
GRID F.N.	= OUTSIDE FACE OF CONCRETE AT NORTH FOUNDATION WALL
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Paterson Habitat For Humanity  
146 North 1st Street  
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4 PROGRESS SET 11/15/2021  
3 PROGRESS SET 09/27/2021

ISSUE/REVISION DATE

DRAWING TITLE  
**SECOND FLOOR  
CONSTRUCTION PLAN**

DRAWING NO.  
**A-202**

DATE: 11/15/21  
SCALE: As indicated

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STATE OF NEW JERSEY  
REGISTERED ARCHITECT  
20591  
NJ LICENSE 20591



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

PROJECT NAME

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 PASSAIC NJ 07055**

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4	PROGRESS SET	11/15/2021
3	PROGRESS SET	09/27/2021
2	SITE PLAN REV. 1	12/15/2020
1	SITE PLAN SUBMISSION	10/27/2020

ISSUE/REVISION DATE

DRAWING TITLE  
**ATTIC AND ROOF CONSTRUCTION PLAN**

DRAWING NO.

**A-203**

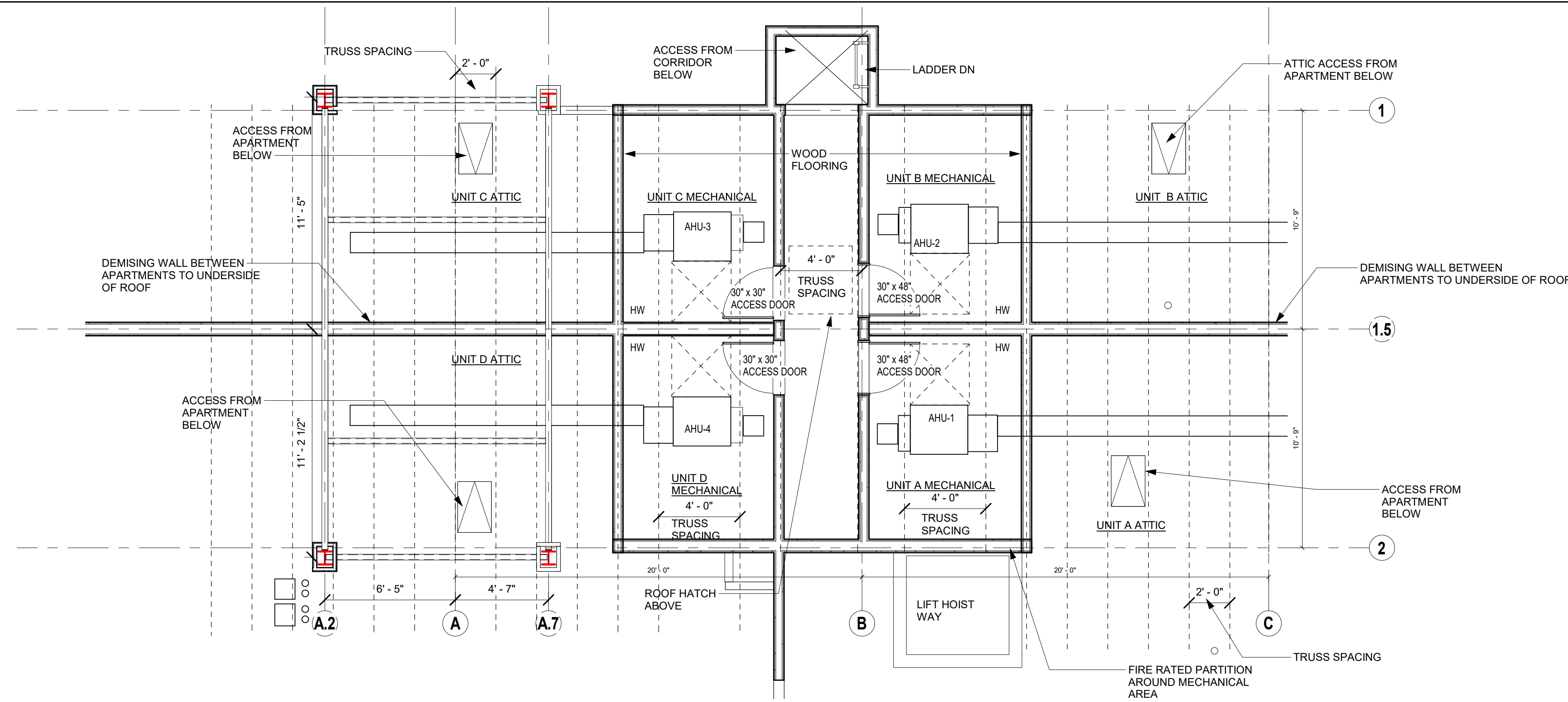
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SCALE: 1/4" = 1'-0"

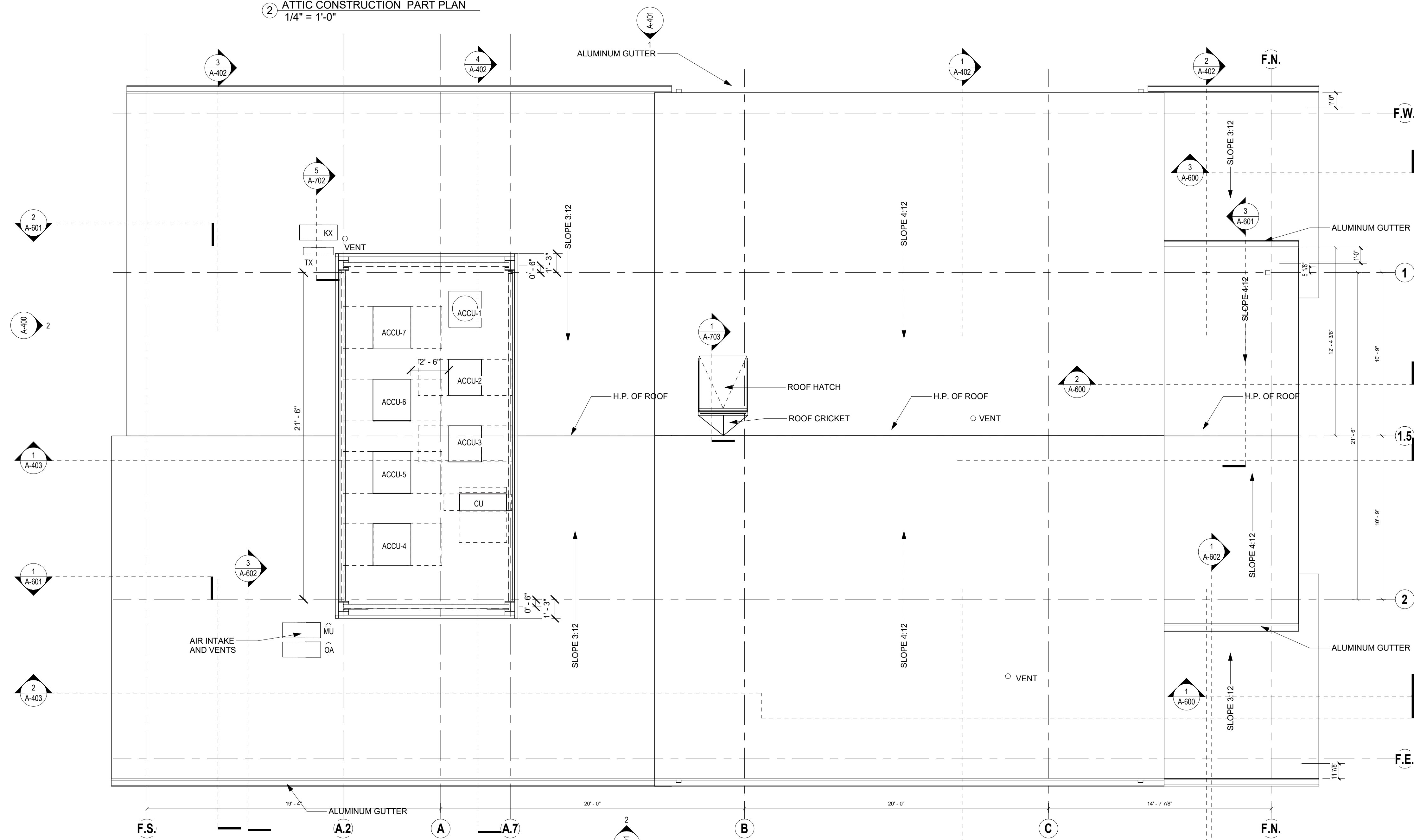
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NJ LICENSE 20591



② ATTIC CONSTRUCTION PART PLAN  
 1/4" = 1'-0"



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

GRIDLINE NOTES	
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146 North 1st Street  
Paterson, NJ 07522

PROJECT NAME

135 SUMMER STREET  
PASSAIC NJ 07055

CHEN O'NEIL ARCHITECTS, PLLC

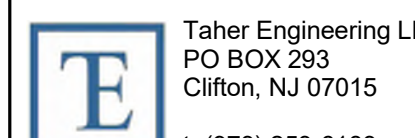
29 GANUNG DRIVE  
OSSINING, NY 10562  
646-812-5566

MEP/FPF ENGINEER:



Golden & Moran Engineering  
22 Angelo Drive  
Sparta, NJ 07871  
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STRUCTURAL ENGINEER:



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

NO.	DESCRIPTION	DATE
4	PROGRESS SET	11/15/2021
3	PROGRESS SET	09/27/2021
1	SITE PLAN SUBMISSION	10/27/2020

ISSUE/REVISION DATE

DRAWING TITLE

FIRST FLOOR REFLECTED CEILING PLAN

DRAWING NO.

A-300

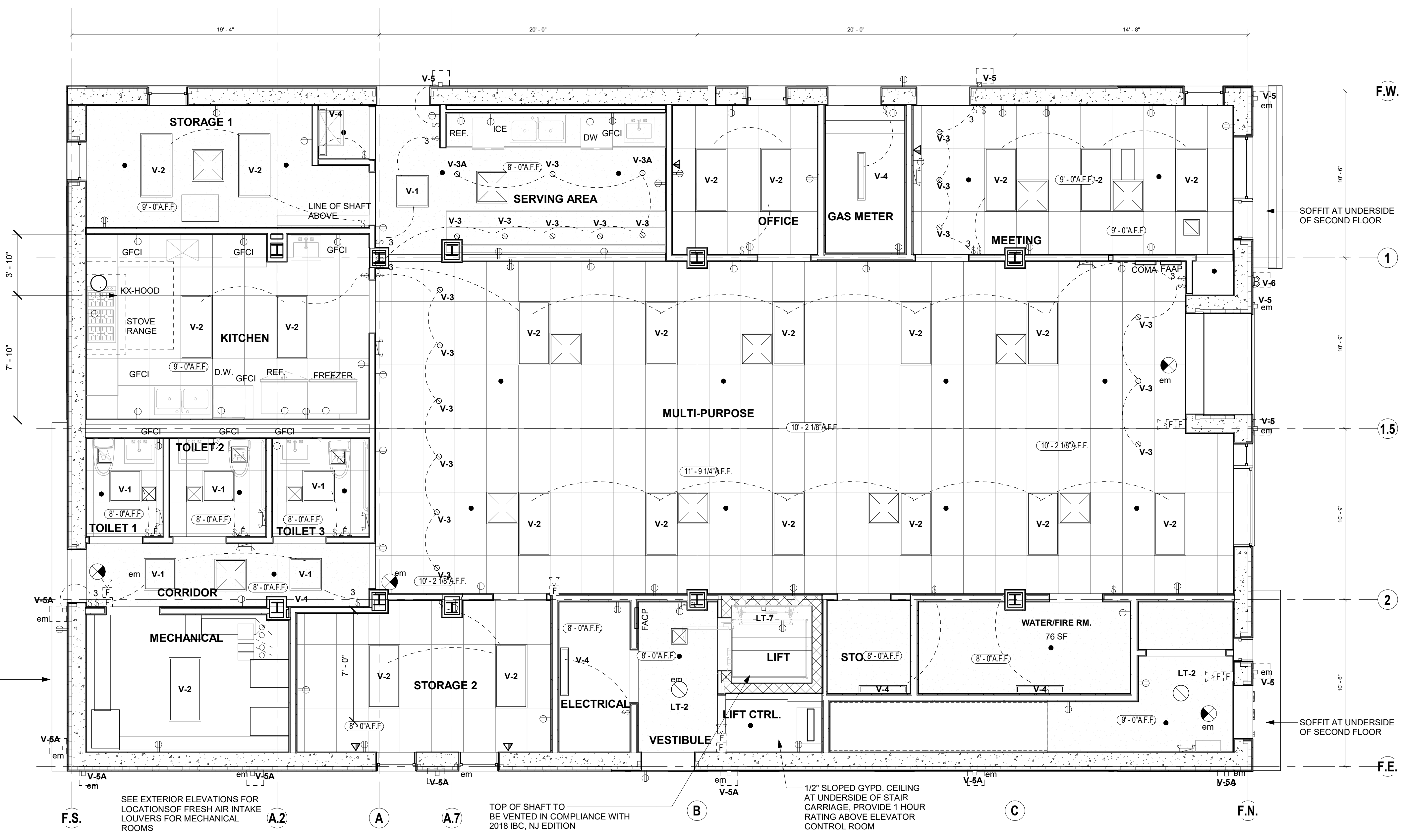
DATE: 11/15/21

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

STAMP & SIGNATURE



NJ LICENSE 20591



VFW LIGHT FIXTURE TYPES	
Type Mark	Comments
V-1	SURFACE MTD 2 X 2 LED FIXTUR
V-2	SURFACE MTD 2 X 4 LED FIXTURE
V-3	
V-3A	SURFACE MOUNTED 4" DIA LED FIXTURE(BATTERY BACK-UP)
V-4	WALL MOUNTED LED LIGHT FIXTURE(STORAGE)
V-5	EXTERIOR WALL MOUNTED LED FIXTURE(BATTERY BACK-UP)
V-5A	EXTERIOR WALL MOUNTED LED FIXTURE(BATTERY BACK-UP)
V-6	EXTERIOR WALL MOUNTED LED FIXTURE(FLAG SPOTLIGHT)

RCP LEGEND

- AIR SUPPLY CEILING MOUNTED
- AIR RETURN, CEILING MOUNTED
- WALL-MOUNTED SPRINKLER HEAD
- CEILING-MOUNTED SPRINKLER HEAD
- COMBINATION SMOKE DETECTOR & CARBON MONOXIDE DETECTOR AT CEILING
- CEILING-MOUNTED EXIT SIGN, L-xxx ON LIGHTING SCHEDULE, FOR INTERIOR USE
- 20 X 30" ATTIC ACCESS PANEL
- DEDICATED APPLIANCE OR EQUIPMENT OUTLET
- DUPLEX OUTLET @ 16" AFF
- QUADPLEX OUTLET @ 16" AFF
- GROUND FAULT INTERRUPT @ DIM. AFF SHOWN
- HARDWIRED ELECTRICAL CONNECTION FOR EQUIPMENT, MOTOR
- EMERGENCY POWER SOURCE FOR LIGHTING OR EXIT SIGN

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

SEE EXTERIOR ELEVATIONS FOR LOCATIONS OF FRESH AIR INTAKE LOUVERS FOR MECHANICAL ROOMS

TOP OF SHAFT TO BE VENTED IN COMPLIANCE WITH 2018 IBC, NJ EDITION

1/2" SLOPED GYPD. CEILING AT UNDERSIDE OF STAIR CARRIAGE. PROVIDE 1 HOUR RATING ABOVE ELEVATOR CONTROL ROOM



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**POWER PLAN LEGEND:**

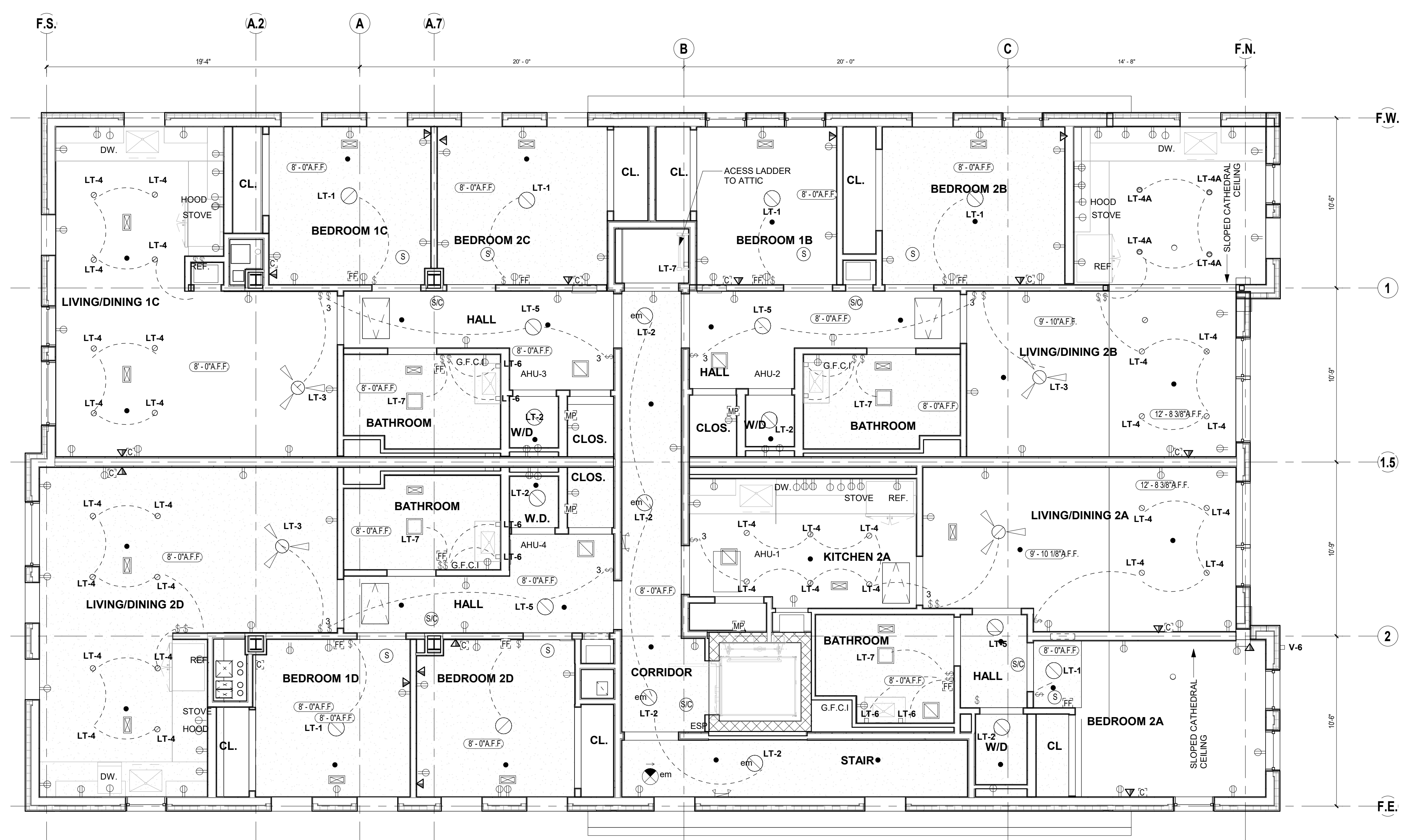
- RECESSED FLOOR OUTLET
- QUAD OUTLET
- GFI
- STANDARD WALL OUTLET
- 220V WALL OUTLET
- SWITCHED OUTLET
- STANDARD LIGHT SWITCH
- THREE-WAY SWITCH
- DIMMING LIGHT SWITCH
- TRACK LIGHTING
- SURFACE MTD FIXTURE (OWNER SUPPLIED)
- CLOSET LIGHT W/ DOOR ACTIVATED SWITCH
- WALL SCONCE (OWNER SUPPLIED)
- RECESSED DOWNLIGHT
- RECESSED DOWNLIGHT (FOR WET LOCATIONS)
- RECESSED ADJUSTABLE DOWNLIGHT
- FLUORESCENT LIGHT
- TV OUTLET
- DATA OUTLET
- ELECT PANEL
- CEILING FAN
- COMBINATION SMOKE/CARBON MONOXIDE DETECTOR

**NOTES:**

- ALL OUTLETS AND LIGHT SWITCHES TO BE GANGED WHEREVER APPLICABLE

RESIDENTIAL LIGHT FIXTURE TYPES	
FIXTURE TYPE	DESCRIPTION
LT-1	CEILING MOUNTED LED LIGHT FIXTURE - BEDROOM
LT-2	CEILING MOUNTED LED AT RESIDENTIAL CORRIDOR(BATTERY BACK-UP)
LT-3	LIGHT/FAN DINING ROOM
LT-4	RECESSED LED DOWNLIGHT
LT-4A	RECESSED LED DOWNLIGHT
LT-5	CEILING MOUNTED LED LIGHT
LT-6	BATHROOM WALL MOUNTED SCONCE
LT-7	BATHROOM EXHAUST FAN/CEILING LIGHT

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



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

ISSUE/REVISION	DATE
4	PROGRESS SET 11/15/2021
3	PROGRESS SET 09/27/2021
1	SITE PLAN SUBMISSION 10/27/2020

DRAWING TITLE  
**SECOND FLOOR REFLECTED CEILING PLAN**

DRAWING NO.  
**A-301**

DATE: 11/15/21  
SCALE: As indicated

STAMP & SIGNATURE  
  
NJ LICENSE 20591

**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.

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**1402.3 Water-resistive barrier.** Not fewer than one layer of No. 15 asphalt felt, complying with ASTM D226 for Type I 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 the wall, flashing and weep holes 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 flashing 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.

**1405.1.1.1.1 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 288.

**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 288 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.

**ROOFS**

**1502.4 Gutters.** Gutters and leaders placed on the outside of buildings, other than Group R-3, private garages and buildings 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.

**ROOFS**

**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 D7158<sup>1</sup>**

GRID LINE	= 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

**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 exposure. 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 (152 mm) 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-gauge 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-gauge (0.105 inch shank with a minimum 7/8-inch-diameter head, or 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/m<sup>2</sup>). 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:

- 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.
- For open valleys, valley lining of two piles of mineral-surfaced roll roofing complying with ASTM D3909 or ASTM D6380 shall be permitted. The bottom layer shall be 18 inches and the top layer not less than 36 inches wide.
- 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
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 Paterson, NJ 07522

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 135 SUMMER STREET  
 PASSAIC NJ 07055

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

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ISSUE/REVISION	DATE
4	PROGRESS SET 11/15/2021
3	PROGRESS SET 09/27/2021
1	SITE PLAN SUBMISSION 10/27/2020

**DRAWING TITLE**  
 NORTH AND SOUTH ELEVATIONS

**DRAWING NO.**  
 A-400

**DATE:** 11/15/21  
**SCALE:** As indicated

**STAMP & SIGNATURE**



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PASSAIC NJ 07055**

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4	PROGRESS SET	11/15/2021
3	PROGRESS SET	09/27/2021
2	SITE PLAN REV. 1	12/15/2020
1	SITE PLAN SUBMISSION	10/27/2020

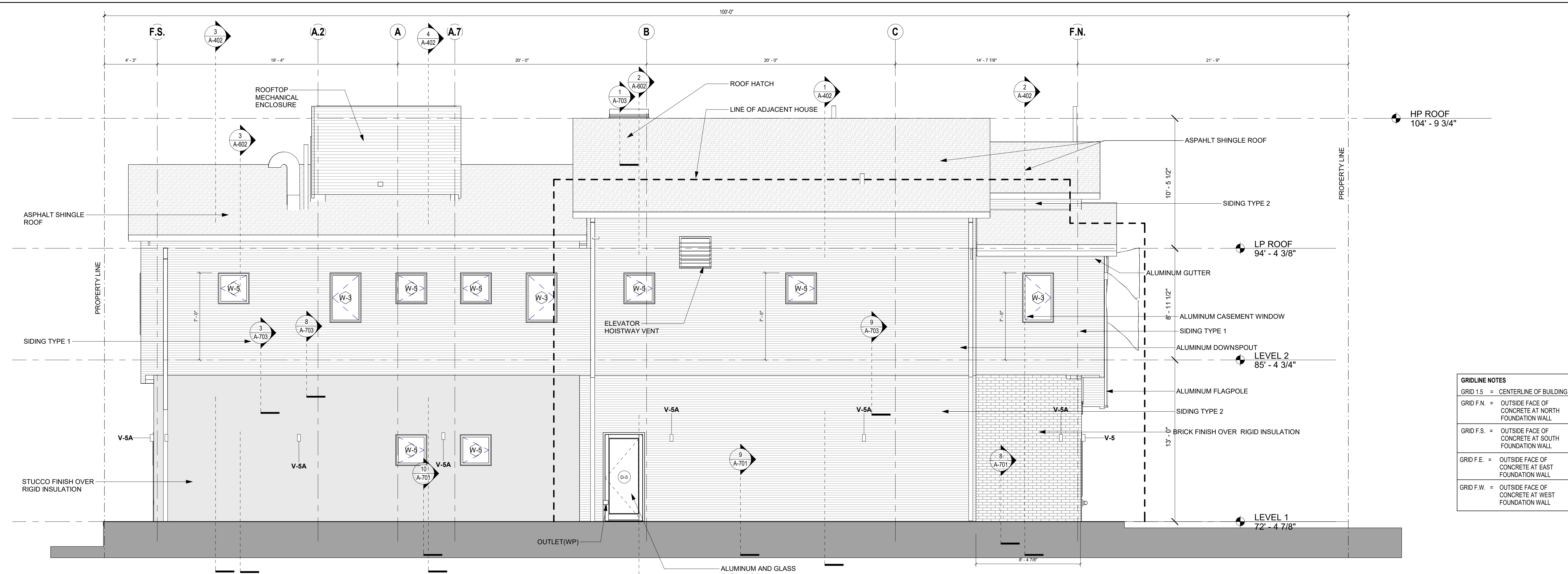
ISSUE/REVISION	DATE
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DRAWING TITLE  
**EAST AND WEST ELEVATIONS**

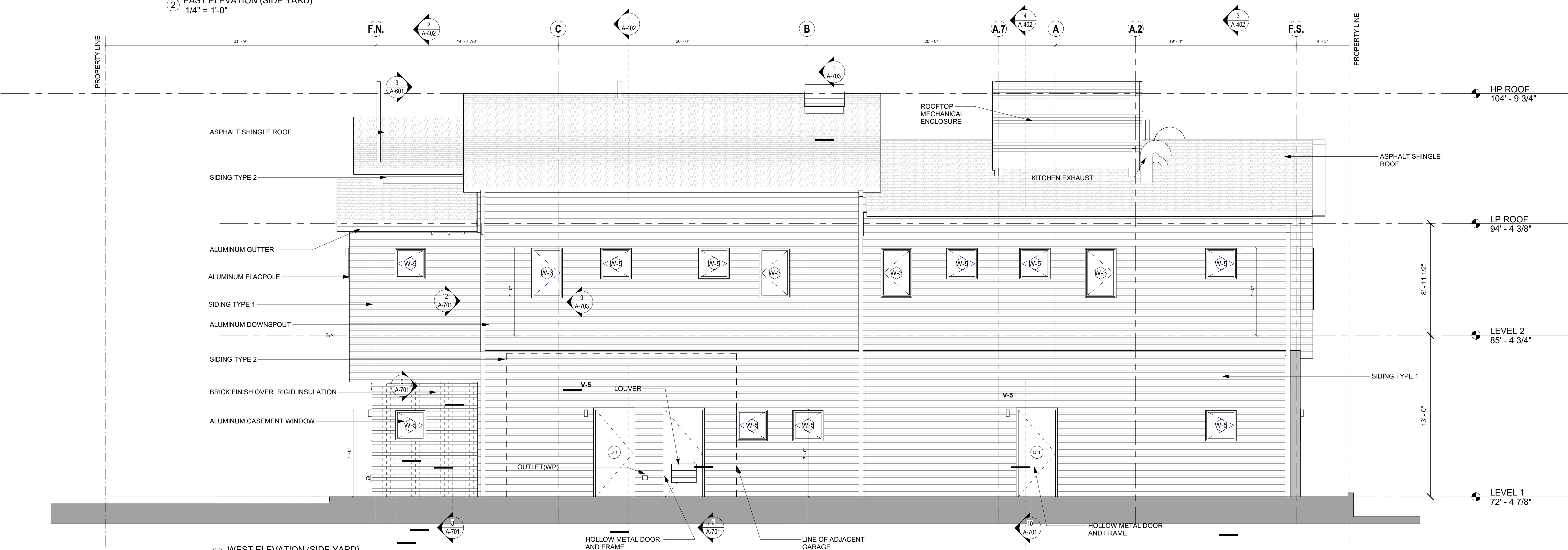
DRAWING NO.  
**A-401**

DATE: 11/15/21  
SCALE: 1/4" = 1'-0"

STAMP & SIGNATURE  
  
NJ LICENSE 20591



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



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



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3	PROGRESS SET	09/27/2021
1	SITE PLAN SUBMISSION	10/27/2020

ISSUE/REVISION	DATE
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DRAWING TITLE

E-W BUILDING SECTIONS

DRAWING NO.

**A-402**

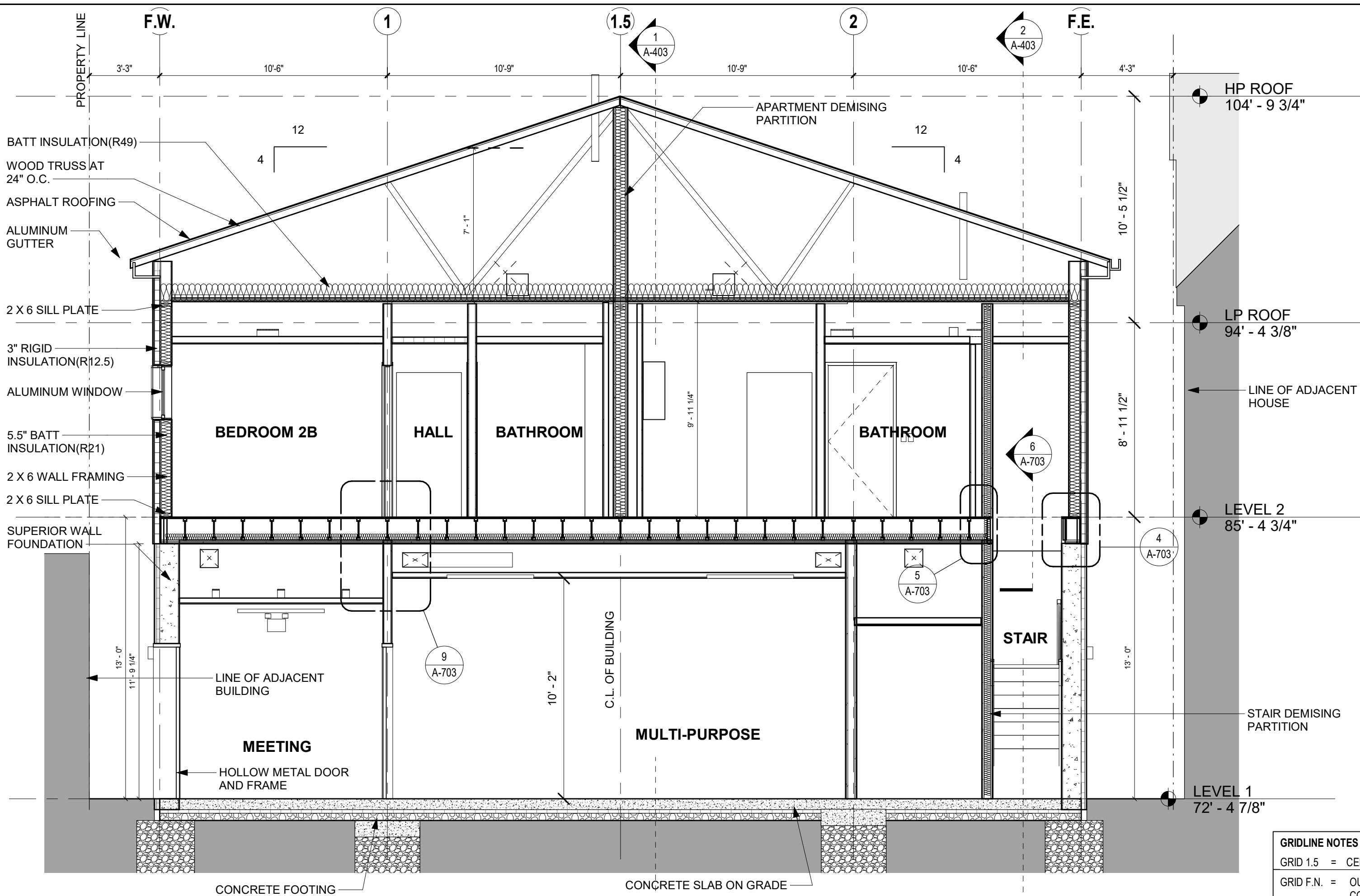
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SCALE: 1/4" = 1'-0"

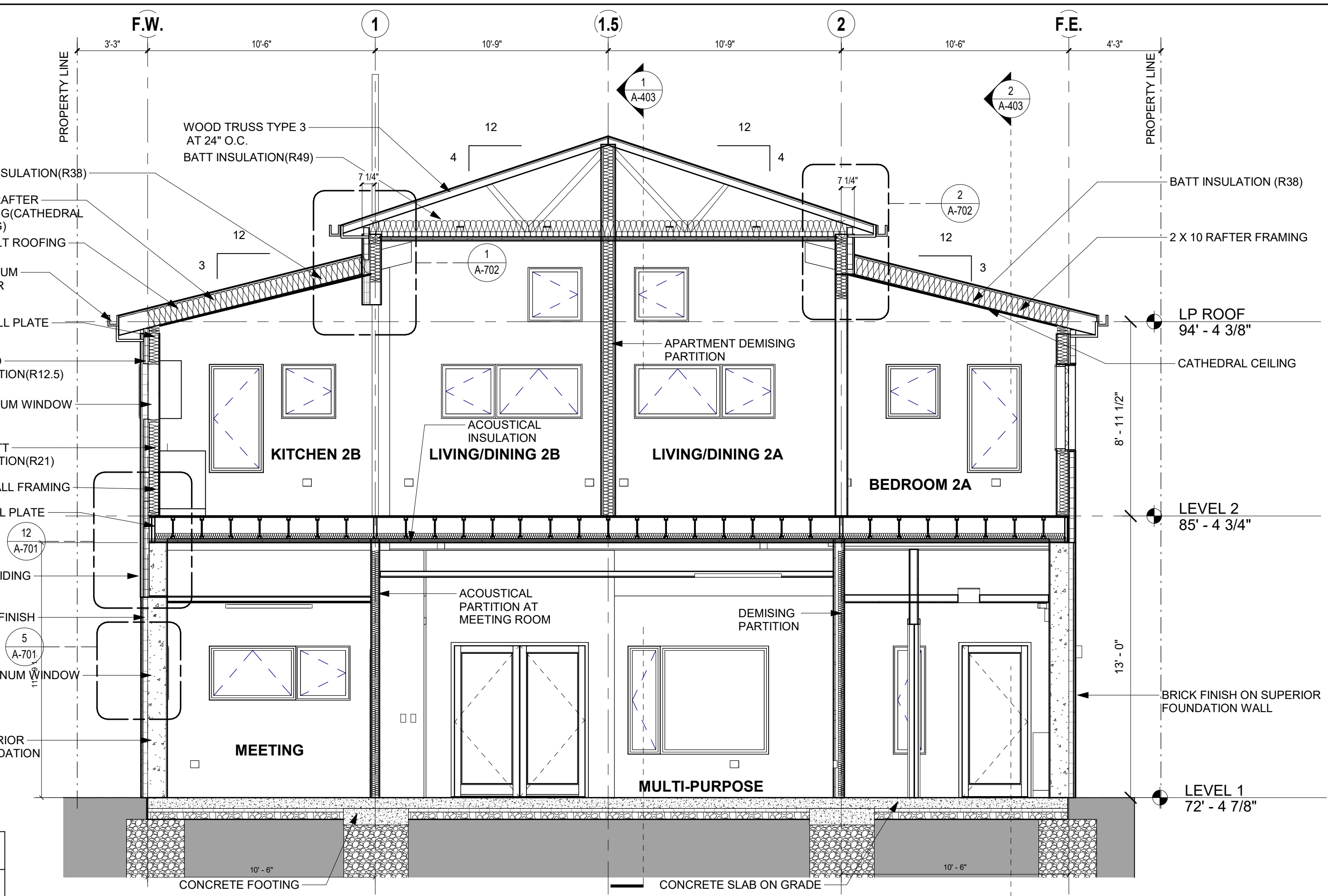
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NJ LICENSE 20591



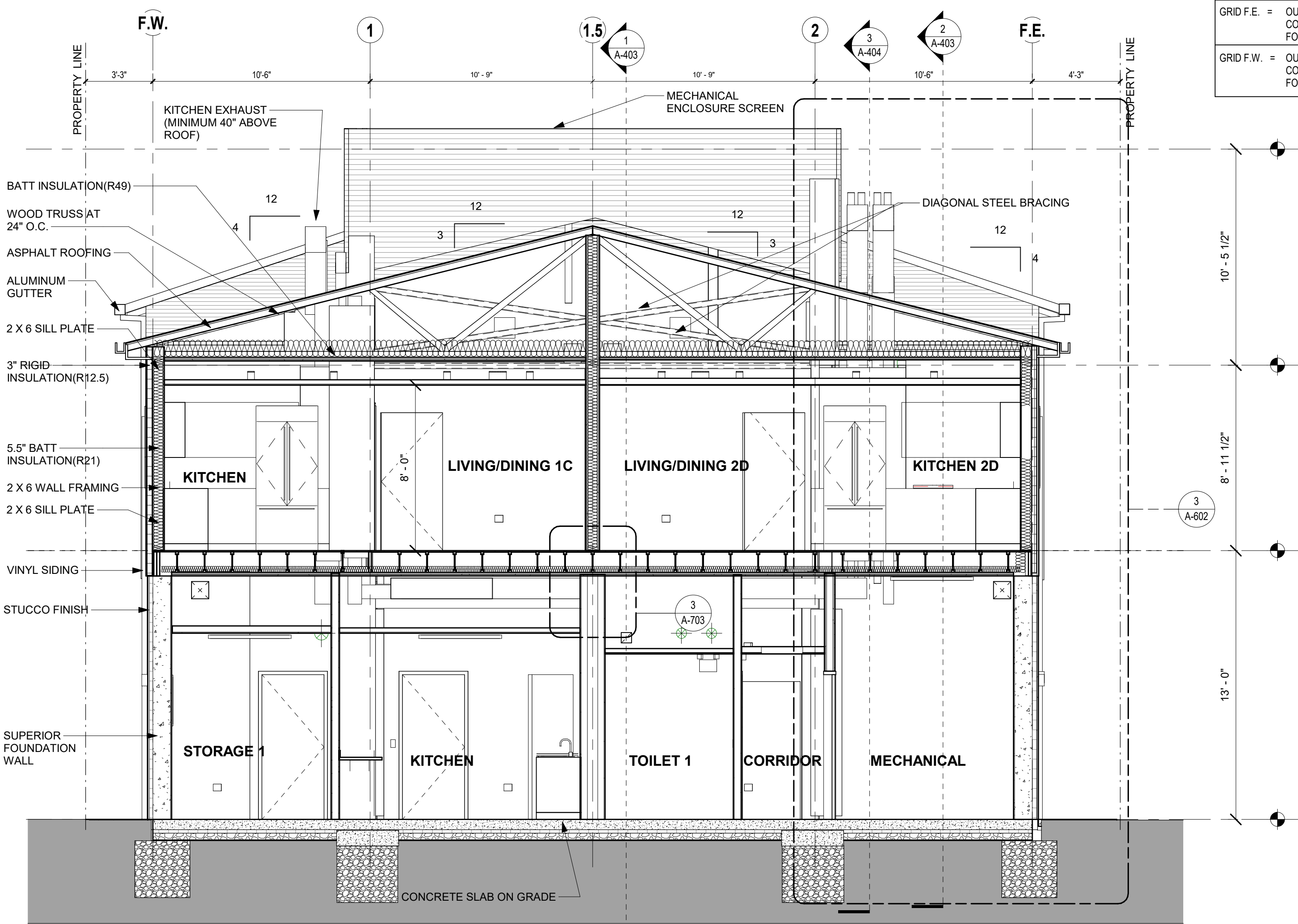
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1/4" = 1'-0"



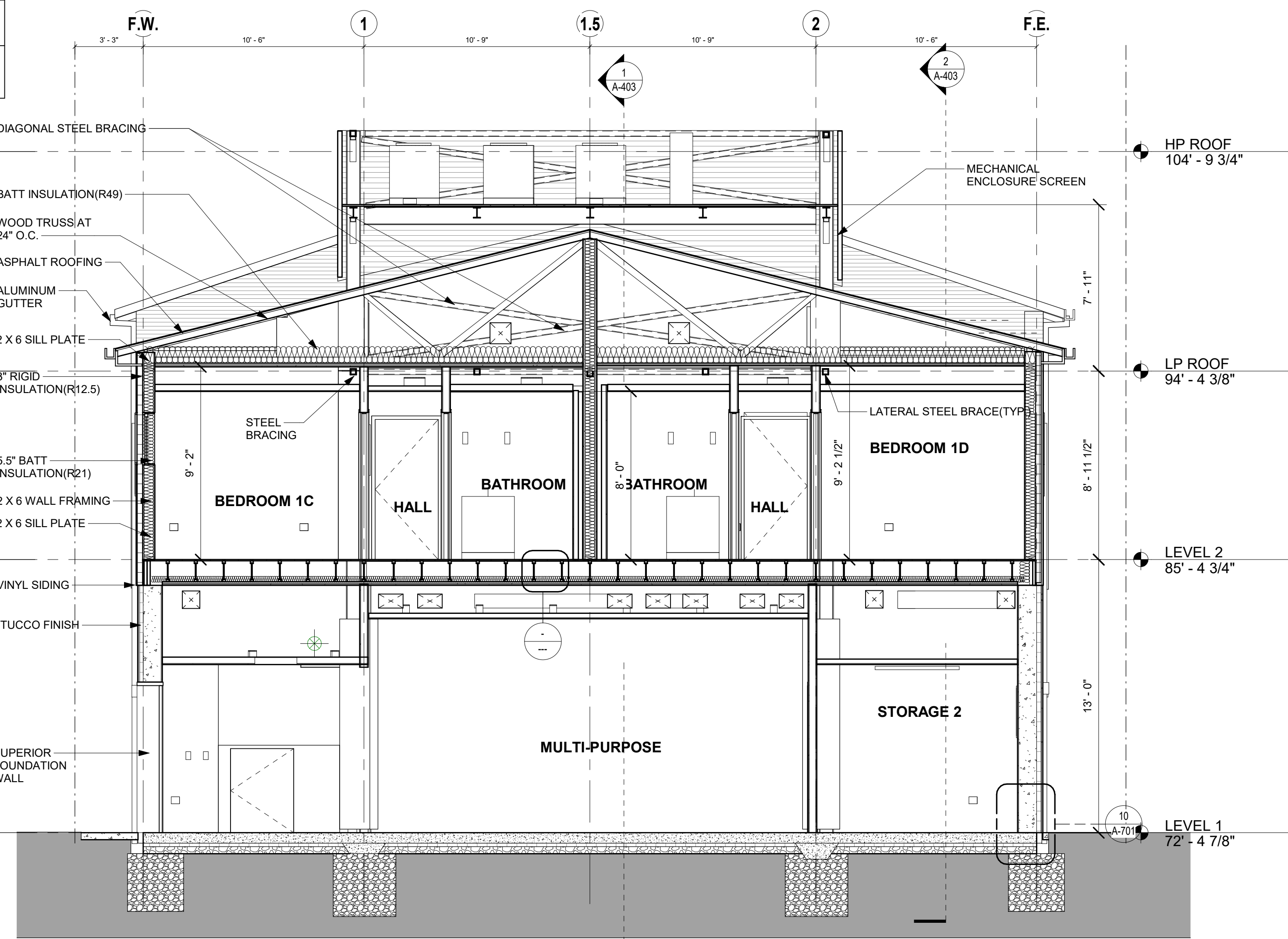
2 BUILDING CROSS SECTION - FRONT ROOFS  
1/4" = 1'-0"

**GRIDLINE NOTES**

GRID 1.5	= CENTERLINE OF BUILDING
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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  
146 North 1st Street  
Paterson, NJ 07522

PROJECT NAME

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

4	PROGRESS SET	11/15/2021
3	PROGRESS SET	09/27/2021
1	SITE PLAN SUBMISSION	10/27/2020

ISSUE/REVISION	DATE
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DRAWING TITLE

N-S BUILDING SECTIONS

DRAWING NO.

**A-403**

DATE: 11/15/21

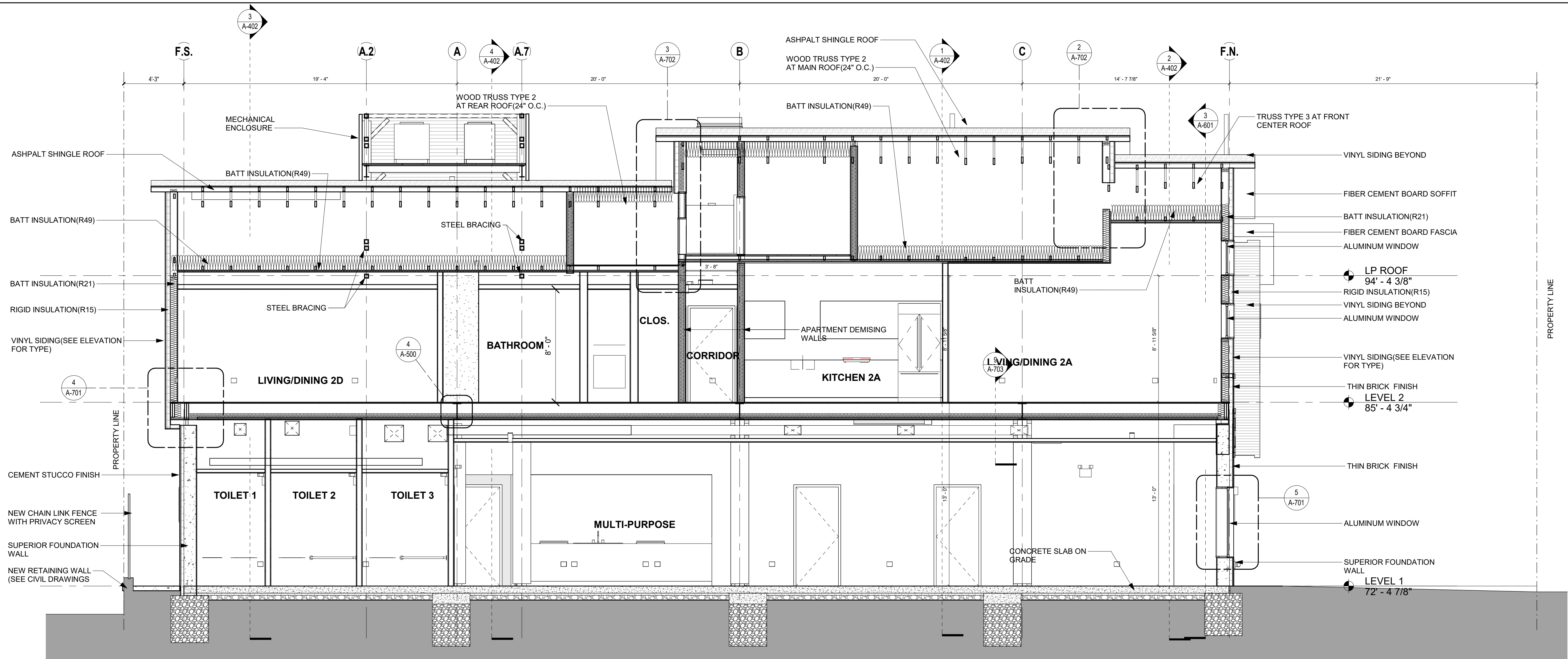
SCALE: 1/4" = 1'-0"

STAMP & SIGNATURE

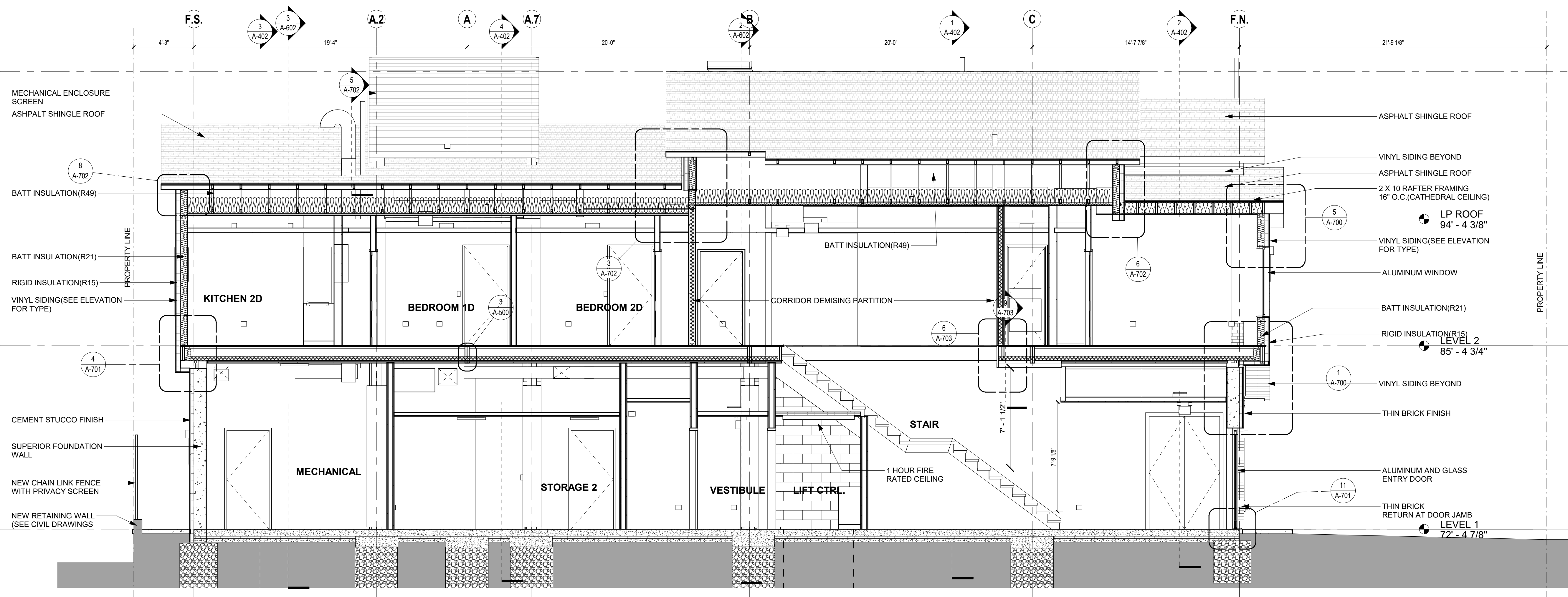


NJ LICENSE 20591

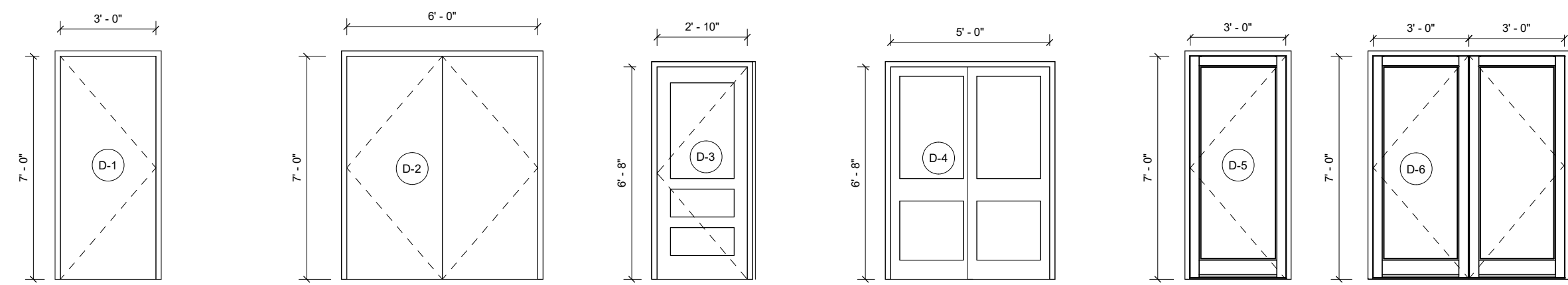
GRIDLINE NOTES	
GRID 1.5	= CENTERLINE OF BUILDING
GRID F.N.	= OUTSIDE FACE OF CONCRETE AT NORTH FOUNDATION WALL
GRID F.S.	= OUTSIDE FACE OF CONCRETE AT SOUTH FOUNDATION WALL
GRID F.E.	= OUTSIDE FACE OF CONCRETE AT EAST FOUNDATION WALL
GRID F.W.	= OUTSIDE FACE OF CONCRETE AT WEST FOUNDATION WALL



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



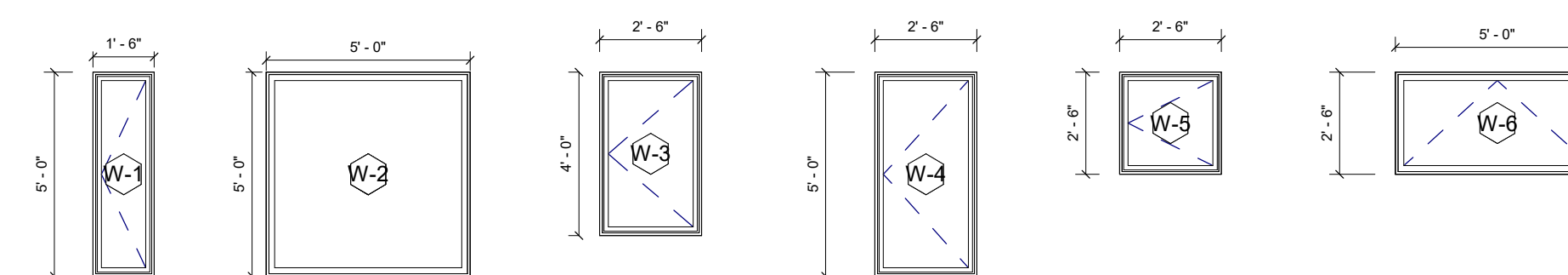
2 BUILDING LONGITUDINAL SECTION (SIDE ROOFS)  
1/4" = 1'-0"



1 TYPICAL DOOR TYPES  
1/4" = 1'-0"

DOOR SCHEDULE

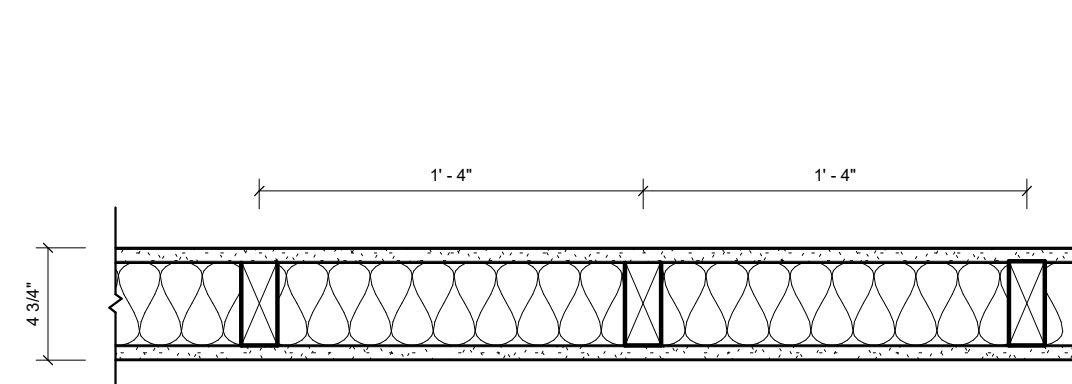
Door Type	Location	DOOR WIDTH	DOOR HEIGHT	THICKNES S	DOOR MATERIAL	DOOR FINISH	FRAME MATERIAL	FRAME FINISH	JAMB/HEA D DTL	SADDLE DTL	RATING	COMMENTS
D-1	VFW Non-rated door	3' - 0"	7' - 0"	0' - 1 3/4"	Hollow Metal	Paint	Hollow Metal	Paint				Doors at exterior locations to have closers
D-1A	Rated Hollow Metal	3' - 0"	7' - 0"	0' - 1 3/4"	Hollow Metal	Paint	Hollow Metal	Paint			90 min	Doors to have surface mounted closer
D-1B	Rated Apt. Entry	3' - 0"	6' - 8"	0' - 1 3/4"	Hollow Metal	Paint	Hollow Metal	Paint			90 min	Door to have closer
D-2	Non-rated Pair Storage Doors	6' - 0"	7' - 0"	0' - 1 3/4"	Hollow Metal	Paint	Hollow Metal	Paint				
D-3					Wood	Paint	Wood	Paint				
D-3A		3' - 0"	7' - 0"	0' - 1 3/8"	Wood	Paint	Wood	Paint				
D-3B		3' - 0"	0' - 8"									
D-3C		3' - 0"	4' - 0"	0' - 1 3/4"	Hollow Metal	Paint	Hollow Metal	Paint				Doors at exterior locations to have closers
D-3D		3' - 0"	6' - 8"	0' - 1 3/4"	Hollow Metal	Paint	Hollow Metal	Paint			90 min	Doors to have surface mounted closer
D-3E		2' - 6"	4' - 0"	0' - 1"								
D-3F		2' - 6"	2' - 6"	0' - 1"								
D-3G		1' - 8"	7' - 0"	0' - 1 3/8"	Wood	Paint	Wood	Paint				
D-3H		3' - 0"	6' - 8"	0' - 1 3/8"								
D-3I		2' - 6"	7' - 0"	0' - 1 3/8"	Wood	Paint	Wood	Paint				
D-3J		0' - 0"	0' - 0"									
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		Aluminum					Door to have concealed closer
D-6	Exterior Entry Doors: Alum/Glass	3' - 0"	7' - 0"	0' - 1 3/4"	Alum/Glass		Aluminum					Doors to Have Egress Hardware, concealed closer



2 TYPICAL WINDOW TYPES  
1/4" = 1'-0"

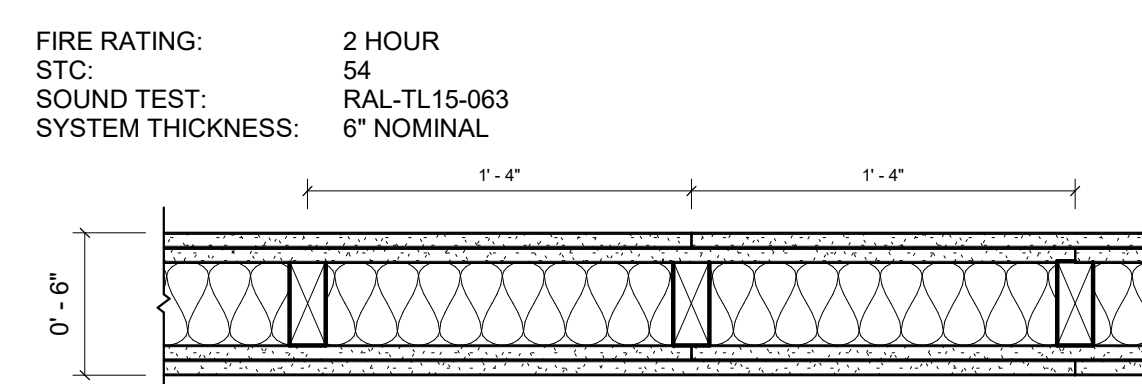
WINDOW SCHEDULE

Level	TYPE	HEIGHT	WIDTH	COMMENT
LEVEL 1				
LEVEL 1	W-1	5' - 0"	1' - 6"	CASEMENT
LEVEL 1	W-2	5' - 0"	5' - 0"	FIXED
LEVEL 1	W-3	4' - 0"	2' - 6"	CASEMENT
LEVEL 1	W-4	5' - 0"	2' - 6"	CASEMENT
LEVEL 1	W-5	2' - 6"	2' - 6"	CASEMENT
LEVEL 1	W-6	2' - 6"	4' - 0"	AWNING
LEVEL 2				
LEVEL 2	W-3	4' - 0"	2' - 6"	CASEMENT
LEVEL 2	W-4	5' - 0"	2' - 6"	CASEMENT
LEVEL 2	W-5	2' - 6"	2' - 6"	CASEMENT
LEVEL 2	W-6	2' - 6"	4' - 0"	AWNING
LP ROOF				
LP ROOF	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  
 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

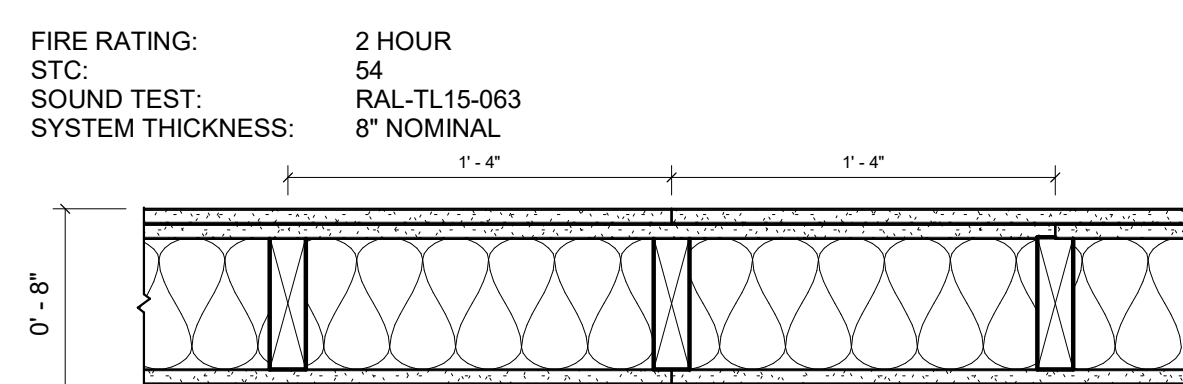
- 1 NON RATED PARTITION (2x4)
- 1A NON RATED PARTITION (2x6)



FIRE RATING: 2 HOUR  
 STC: 54  
 SOUND TEST: RAL-TL15-063  
 SYSTEM THICKNESS: 6" NOMINAL

**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)

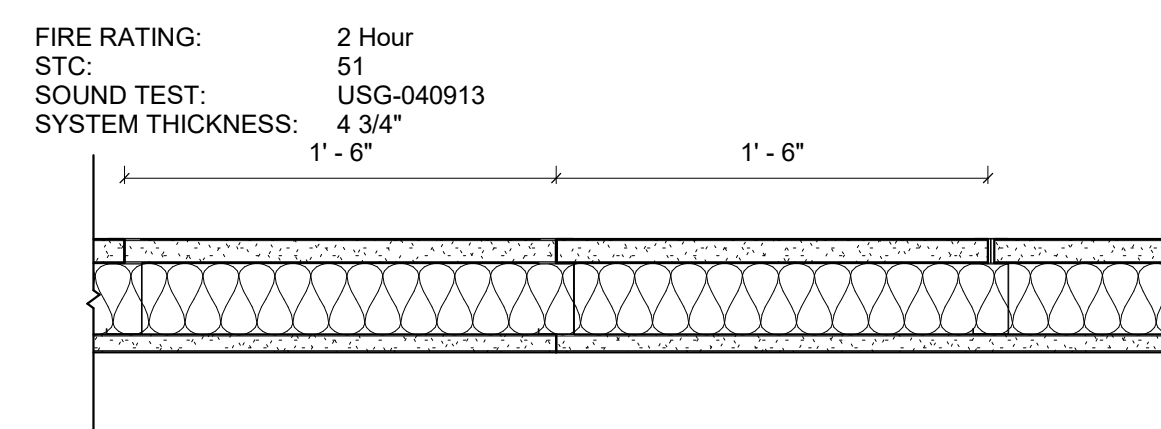
- 2 2 HOUR FIRE RATED PARTITION UL-DES U301



FIRE RATING: 2 HOUR  
 STC: 54  
 SOUND TEST: RAL-TL15-063  
 SYSTEM THICKNESS: 8" NOMINAL

**ASSEMBLY OPTION:**  
 GYPSUM BOARD: TWO LAYERS 5/8" THICK GYPSUM BOARD (UL TYPE X)  
 WOOD STUDS: 2X6 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)

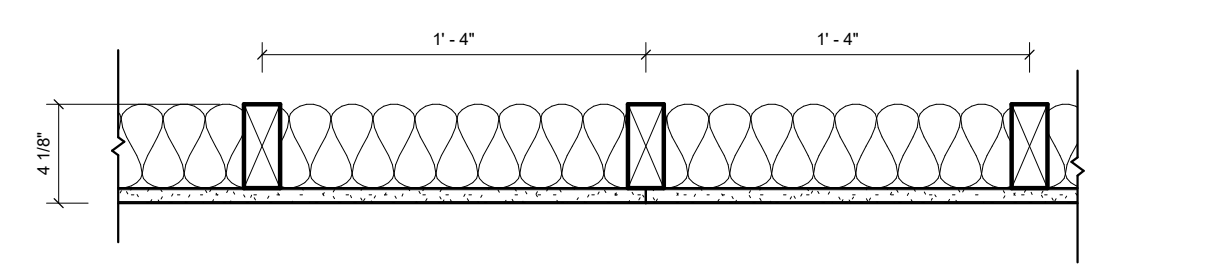
- 3 2 HOUR FIRE RATED PARTITION UL-DES U301



FIRE RATING: 2 Hour  
 STC: 51  
 SOUND TEST: USG-040913  
 SYSTEM THICKNESS: 4 3/4"

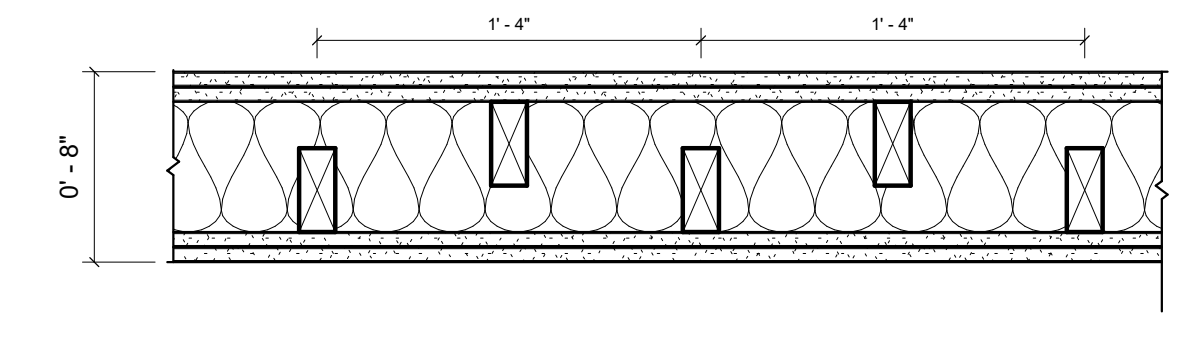
**ASSEMBLY OPTION:**  
 GYPSUM BOARD: ONE LAYER 1" THICK GYPSUM LINER PANEL (UL TYPE SLX™)  
 STEEL STUDS: 4" CH STUDS, 20 GA. MSG., SPACED 16" O.C.  
 INSULATION: 3" MINERAL WOOL INSULATION IN CAVITY  
 GYPSUM BOARD: ONE LAYER 3/4" THICK GYPSUM BOARD (UL TYPE ULTRACODE™)

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



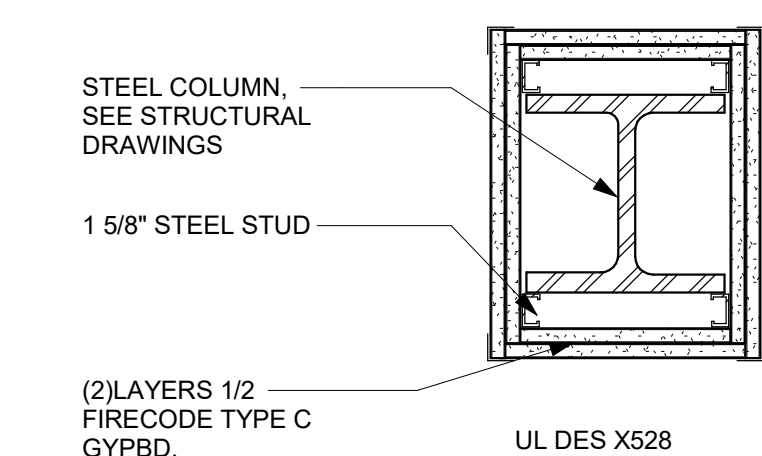
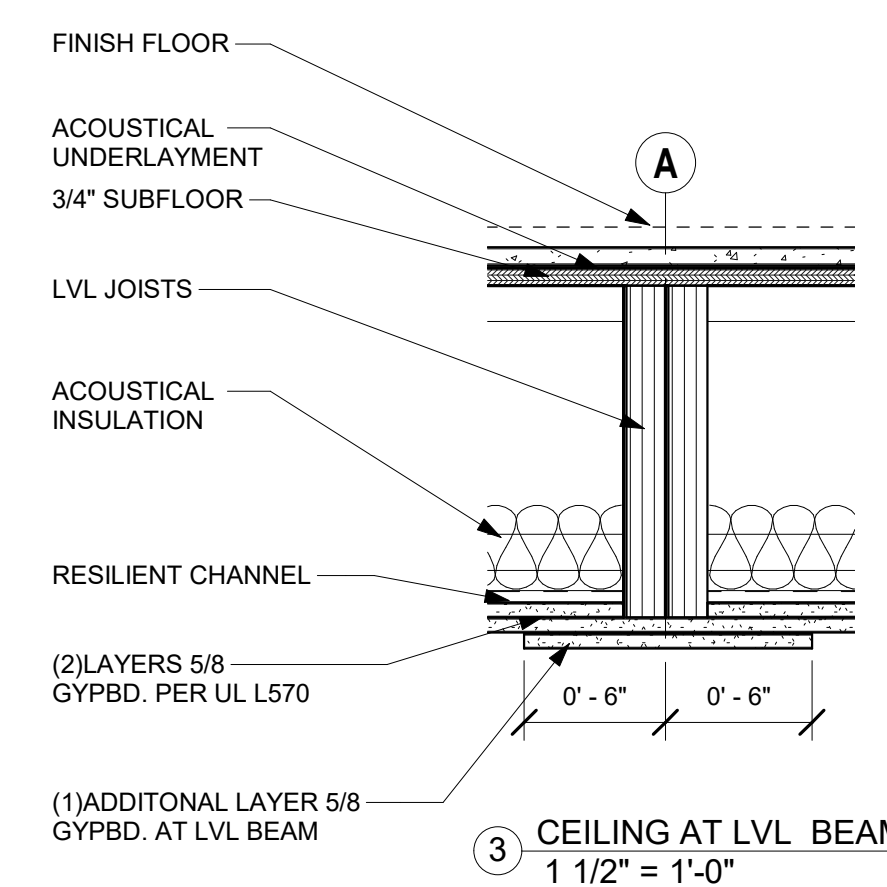
**ASSEMBLY OPTION:**  
 GYPSUM BOARD: ONE LAYERS 5/8" THICK GYPSUM BOARD  
 WOOD STUDS: 2X4 WOOD STUDS, 16" O.C.  
 INSULATION: 3-1/2" GLASS FIBER BATT INSULATION IN CAVITY (SEE PLANS FOR LOCATIONS)  
 NON-RATED FURRED PARTITION

- 5

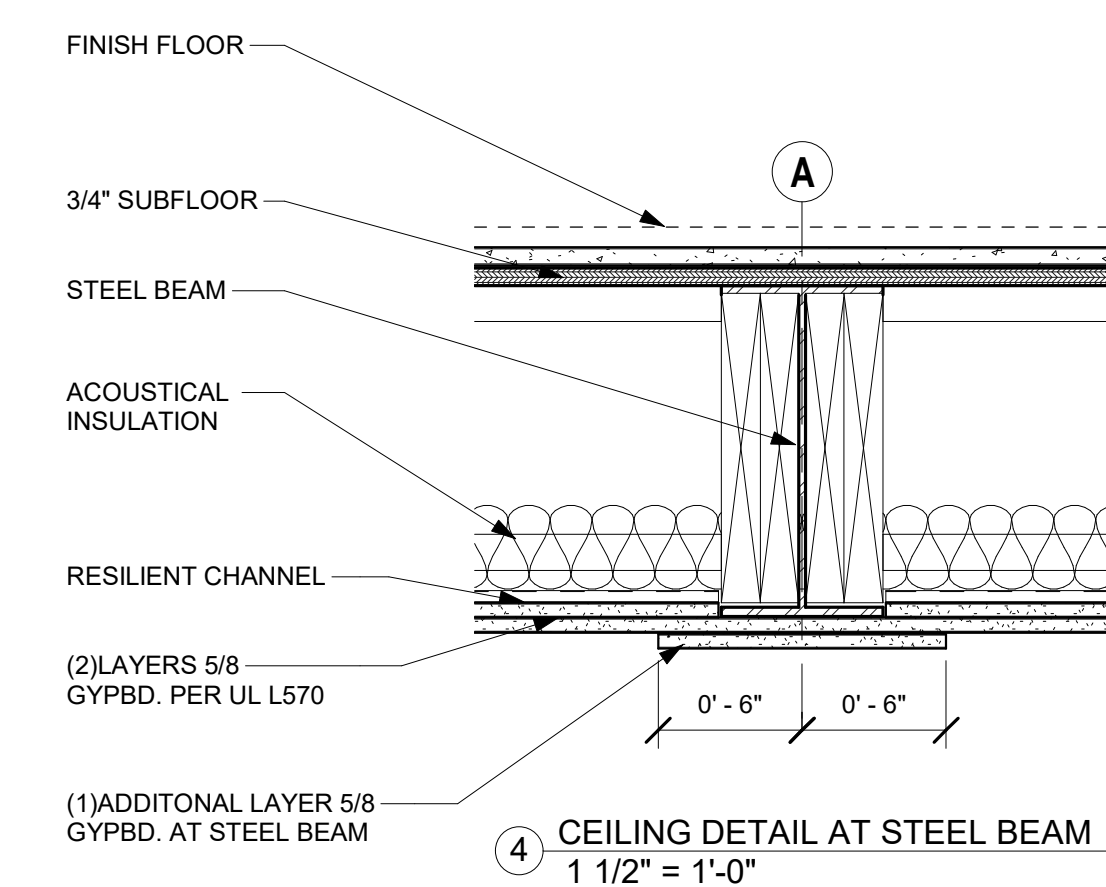


**ASSEMBLY OPTIONS:**  
 GYPSUM BOARD: TWO LAYERS 5/8" THICK GYPSUM BOARD (UL TYPE X)  
 WOOD STUDS: 2X4 WOOD STUDS, 16" O.C.  
 INSULATION: 3-1/2" GLASS FIBER BATT INSULATION IN CAVITY  
 GYPSUM BOARD: TWO LAYERS 5/8" THICK GYPSUM BOARD (UL TYPE X)

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



- 5 1 HOUR RATED COLUMN ENCLOSURE 1 1/2" = 1'-0"



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

NOTES:

STUD AND INSULATION SIZES ARE MINIMUM UNLESS OTHERWISE STATED IN DESIGN.

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.



PROJECT NAME

135 SUMMER STREET  
PASSAIC NJ 07055

CHEN O'NEIL ARCHITECTS, PLLC

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

MEP/FP ENGINEER:  
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CIVIL ENGINEER:  
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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

NO.	DESCRIPTION	DATE
4	PROGRESS SET	11/15/2021
3	PROGRESS SET	09/27/2021

ISSUE/REVISION DATE

DRAWING TITLE  
**DOOR, WINDOW AND INTERIOR PARTITION TYPES**

DRAWING NO.

**A-500**

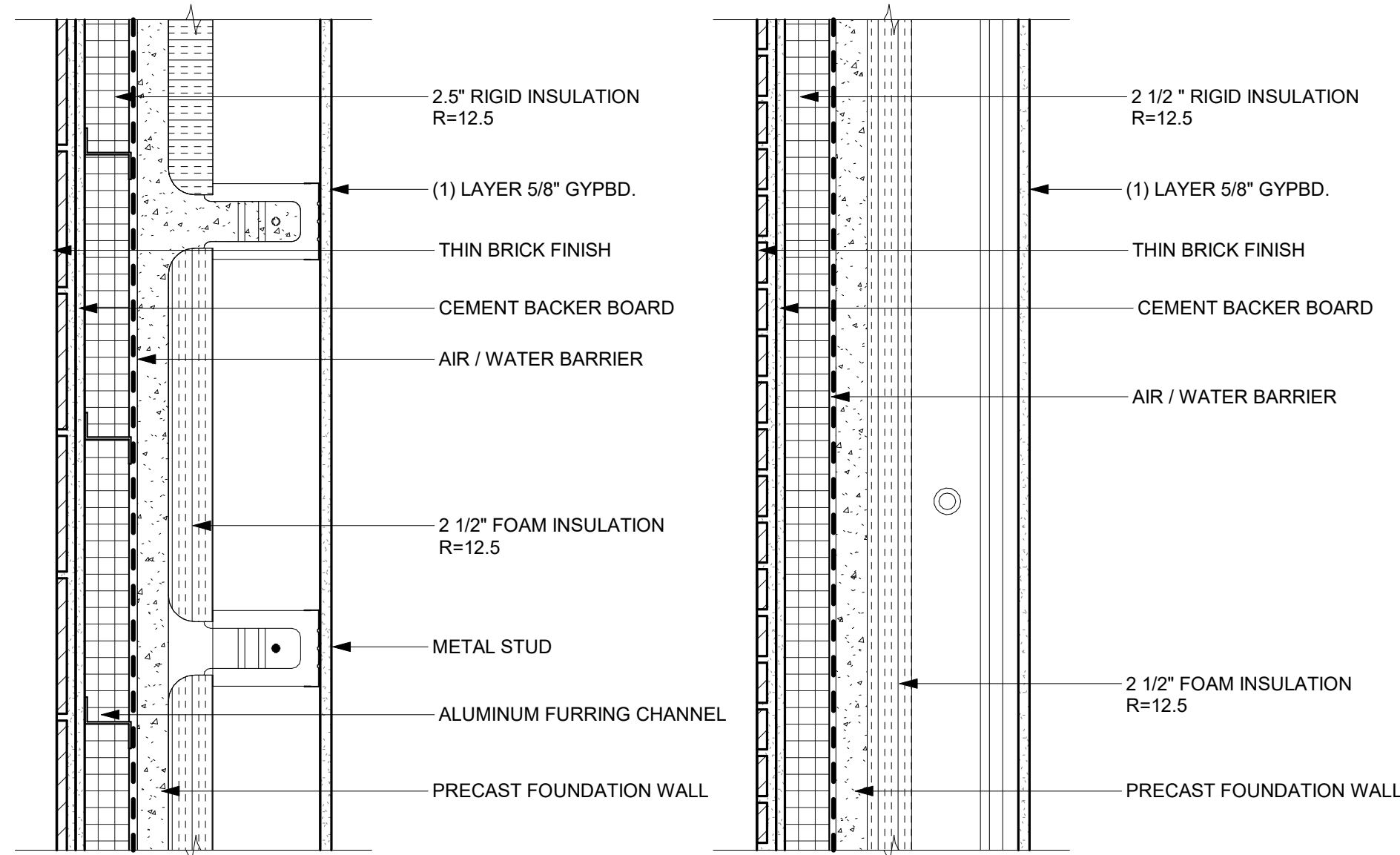
DATE: 11/15/21

SCALE: As indicated

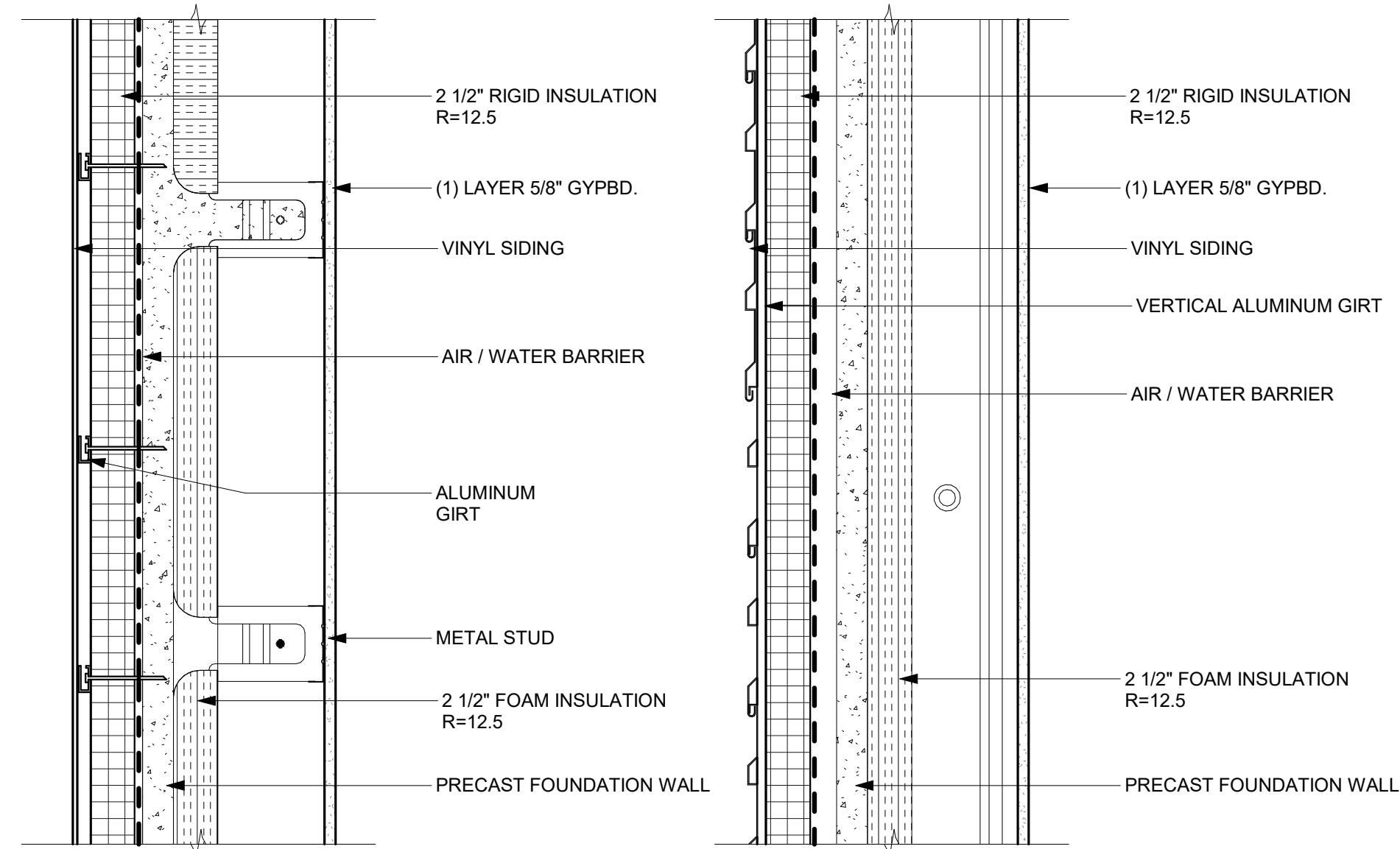
STAMP & SIGNATURE



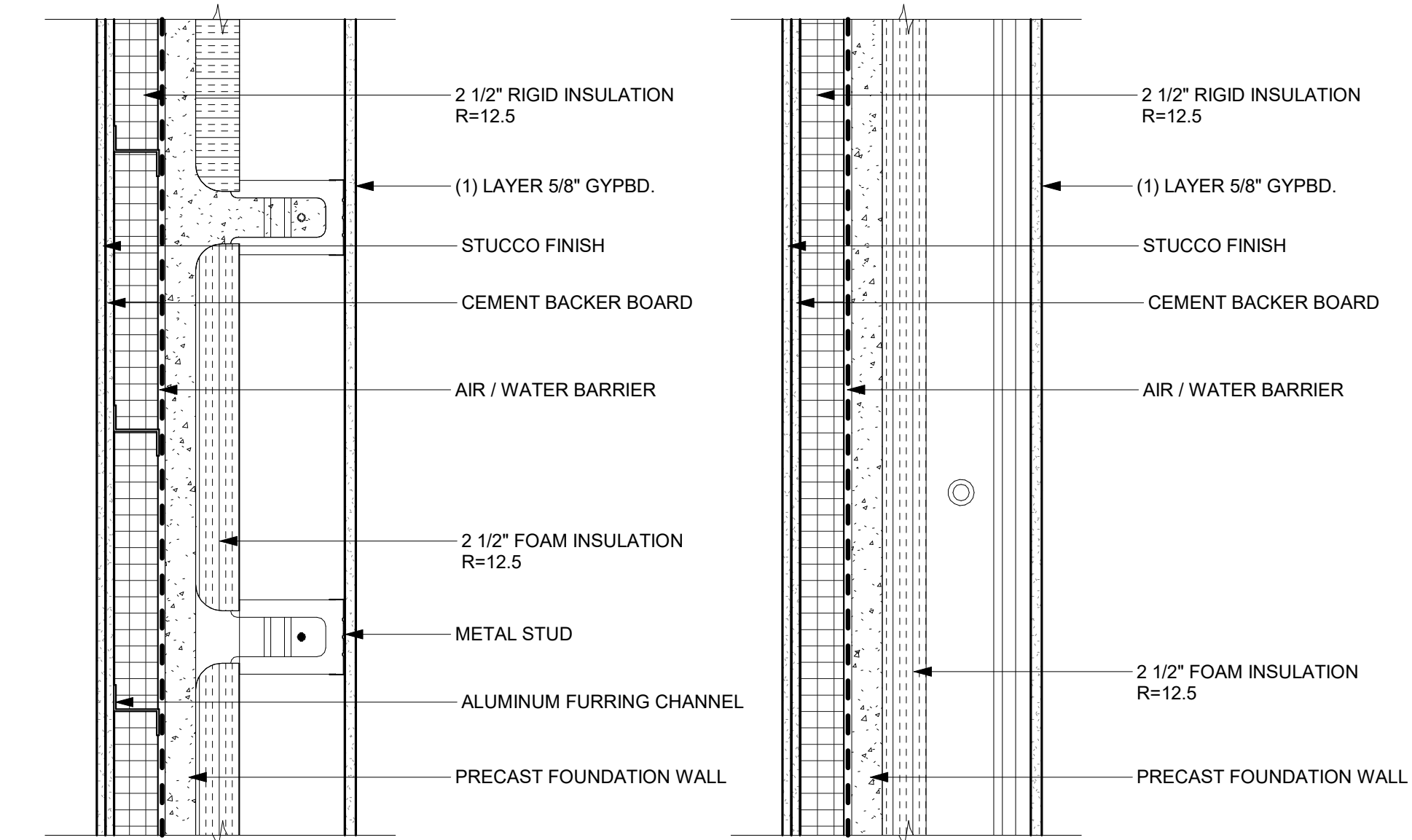
NJ LICENSE 20591



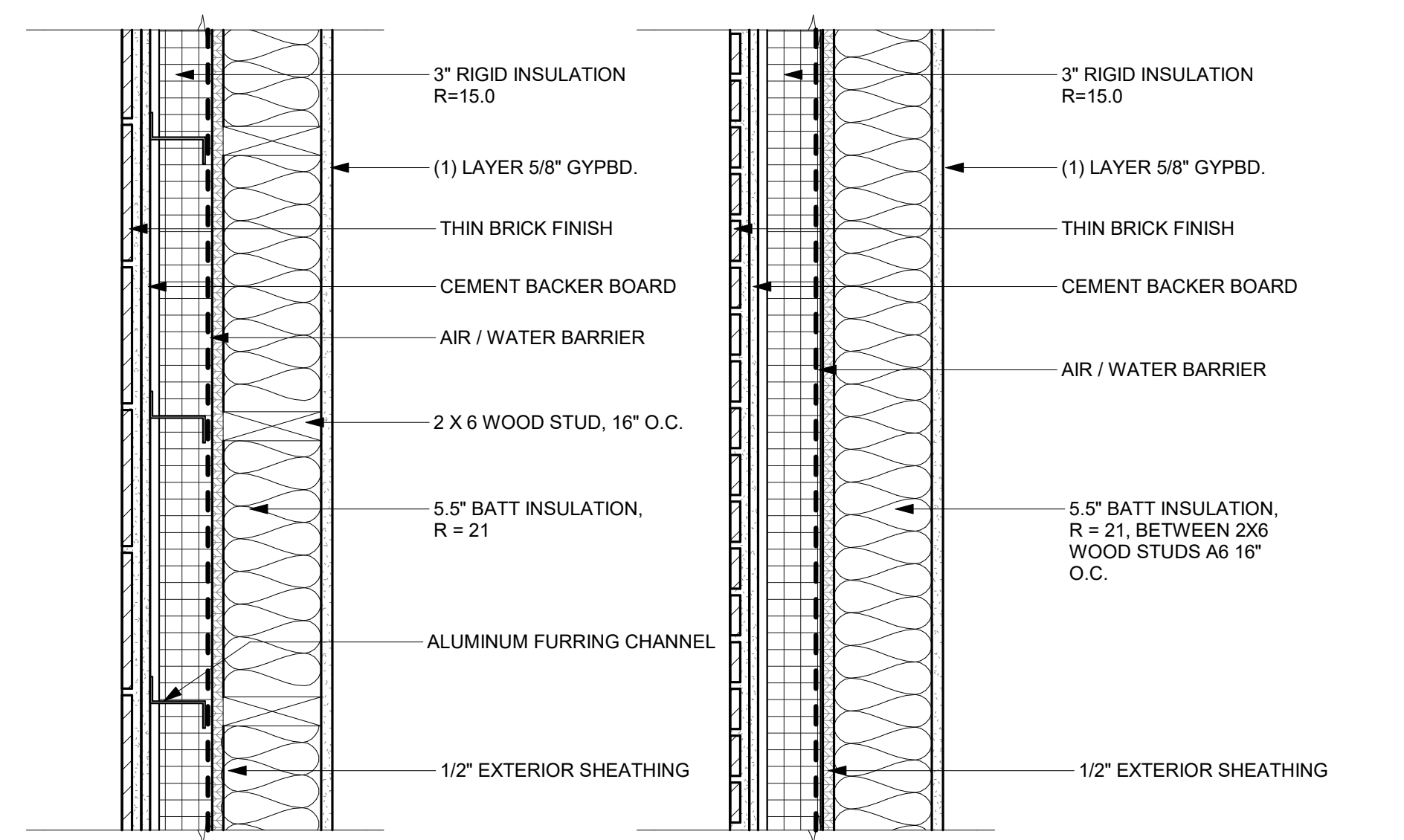
**X1 BRICK CLAD FOUNDATION WALL**  
MINIMUM CONTINUOUS INSULATION = R-11.4 c.i. (COMMERCIAL)



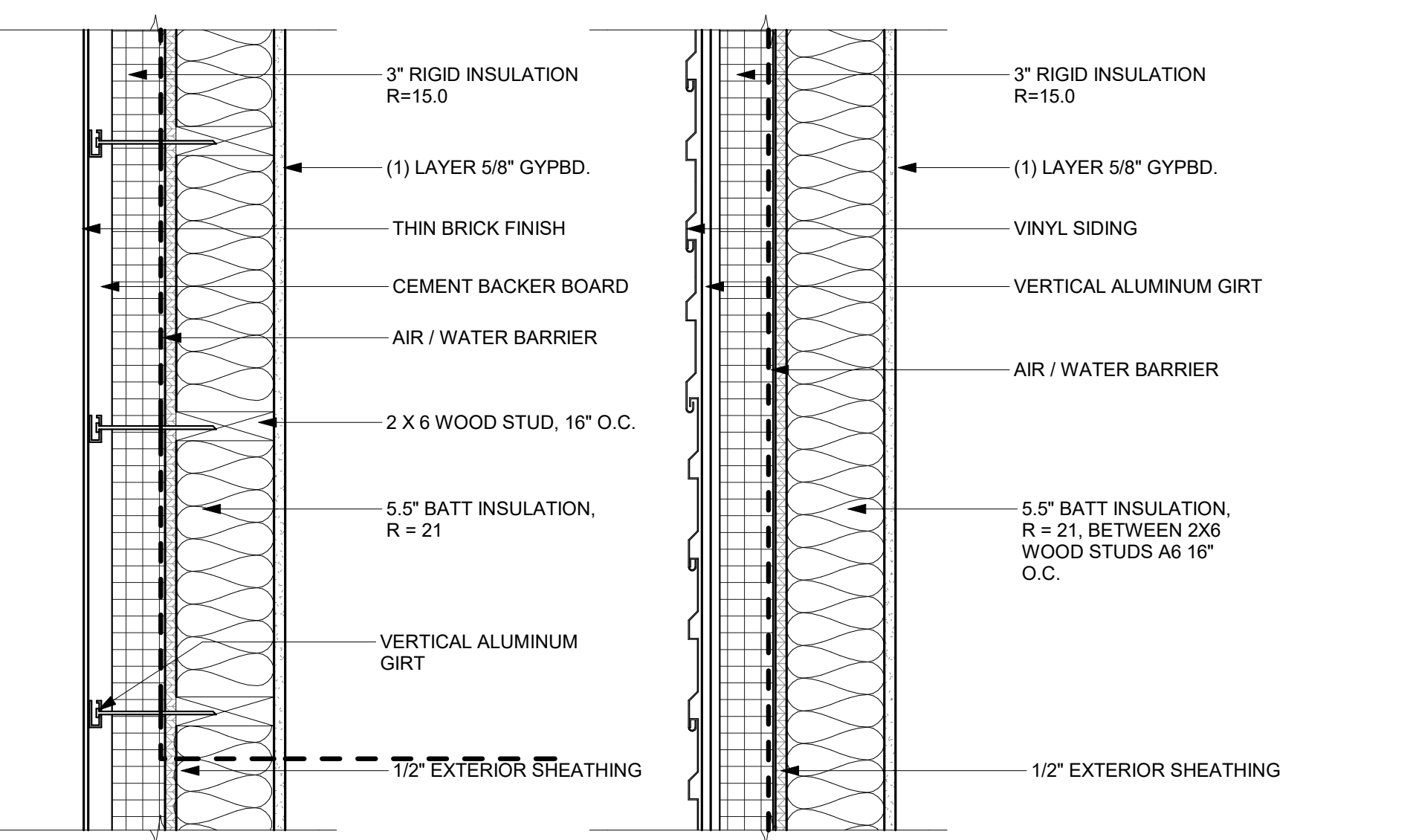
**X2 VINYL SIDING CLAD FOUNDATION WALL**  
MINIMUM CONTINUOUS INSULATION = R-11.4 c.i. (COMMERCIAL)



**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)



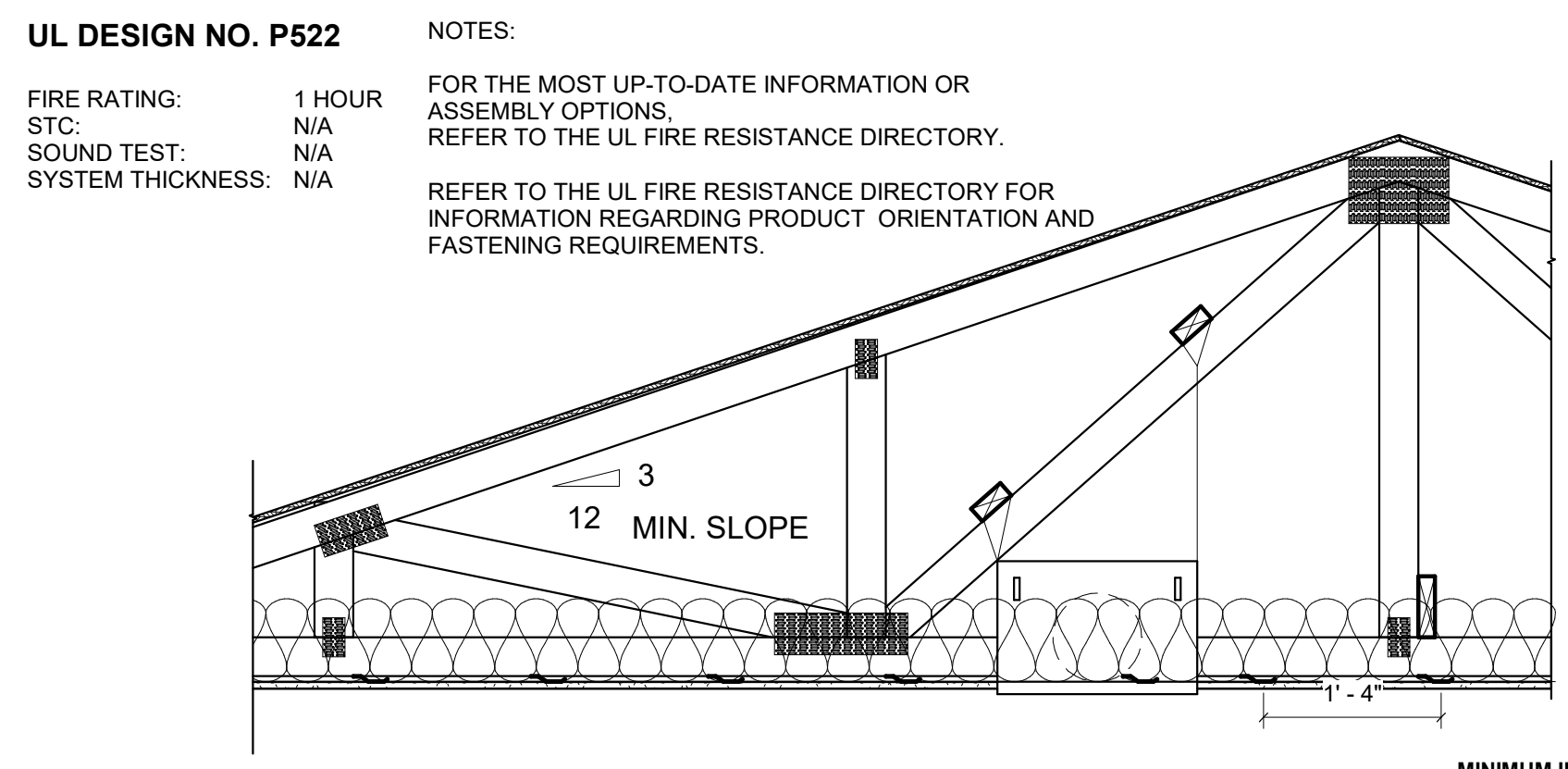
**X5 VINYL SIDING CLAD STUD WALL**  
MINIMUM INSULATION = R-13 + R-7.5 c.i. (RESIDENTIAL)

**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
<b>Roofs</b>						
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
<b>Walls, above grade</b>						
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.c.o	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
<b>Walls, below grade</b>						
Walls, below grade	C-0.119	R-7.5 c.i.	C-0.092	R-10 c.i.	C-1.140	NR
<b>Floors</b>						
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
<b>Slab-on-Grade Floors</b>						
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.
<b>Opaque</b>						
Swinging	U-0.370		U-0.370		U-0.370	
Non-swinging	U-0.310		U-0.310		U-0.360	
<b>Fenestration</b>						
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			0.62
Metal framing, operable			0.46			0.70
Wood-framed and other			0.68			0.77
<b>Skylight, 0% to 3% of Roof</b>						
All types	0.50	0.40	NR	0.50	0.40	NR

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



**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.

**ASSEMBLY OPTIONS:**

ROOFING SYSTEM: ANY UL CLASS A, B OR C ROOFING SYSTEM (TGFR) 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

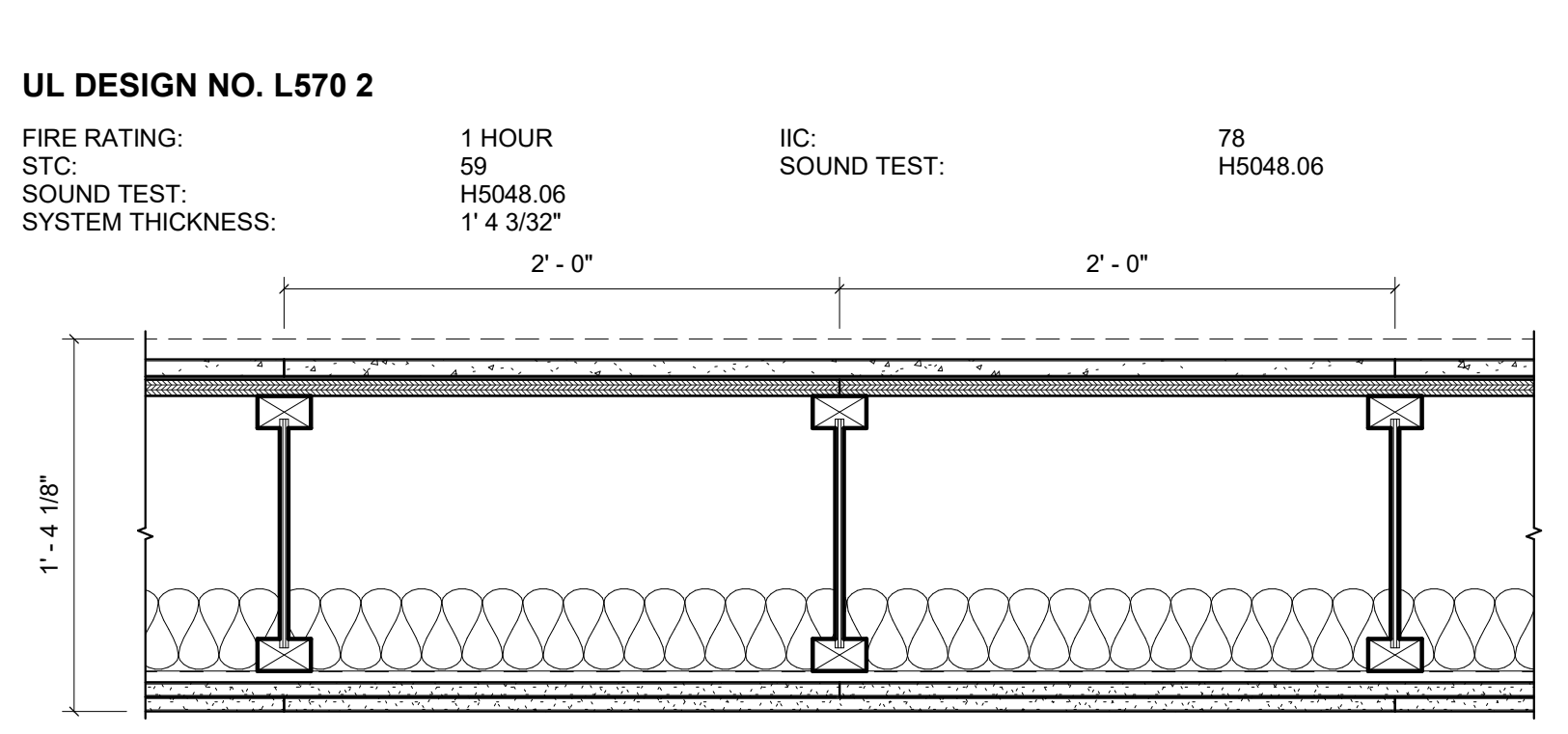
AIR DUCT: ANY UL CLASS 0 OR CLASS 1 FLEXIBLE AIR DUCT

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™)



PROJECT NAME  
**135 SUMMER STREET  
PASSAIC NJ 07055**

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

MEP/FP ENGINEER:  
**KEAO**  
ENGINEERS  
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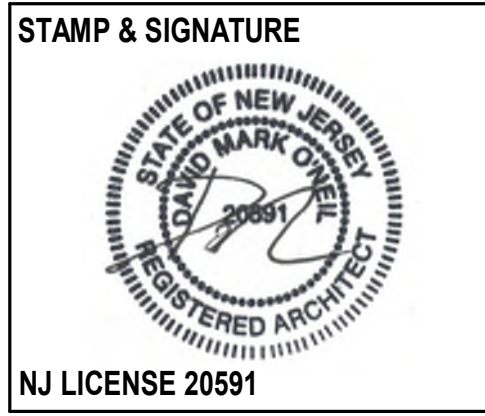
4	PROGRESS SET	11/15/2021
3	PROGRESS SET	09/27/2021
1	SITE PLAN SUBMISSION	10/27/2020

ISSUE/REVISION	DATE
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**DRAWING TITLE**  
EXTERIOR PARTITION TYPES, EN CODE EXTERIOR ENVELOPE

**DRAWING NO.**  
**A-501**

**DATE:** 11/15/21  
**SCALE:** As indicated







COMcheck Software Version 4.1.5.1

Envelope Compliance Certificate

Project Information

Energy Code: 2018 IECC
Project Title: Commercial Building with Residential Units
Location: Passaic, New Jersey
Climate Zone: 5a
Project Type: New Construction
Vertical Glazing / Wall Area: 7%

Construction Site: 135 Summer Street Passaic, NJ 07055
Owner/Agent: Habitat For Humanity
Designer/Contractor: Chen O'Neil Architects

Additional Efficiency Package(s)
High efficiency HVAC. Systems that do not meet the performance requirement will be identified in the mechanical requirements checklist report.

Building Area Floor Area
1-1st Floor (Retail) : Nonresidential 3184
2-2nd Floor (Multifamily) : Nonresidential 3264

Envelope Assemblies

Table with 6 columns: Assembly, Gross Area or Perimeter, Cavity R-Value, Cont. R-Value, Proposed U-Factor, Budget U-Factor. Rows for Roof 1, Roof 2, Floor 1.

NORTH
Exterior Wall 1: Solid Concrete 3" Thickness, Normal Density, Furring: Metal, (Bldg. Use 1 - 1st Floor)

Window 1: Metal Frame with Thermal Break-Fixed, Perf. Specs.: Product ID NA, SHGC 0.38, VT 0.40, (Bldg. Use 1 - 1st Floor) (b)

Window 2: Metal Frame with Thermal Break-Operable, Perf. Specs.: Product ID NA, SHGC 0.38, VT 0.40, (Bldg. Use 1 - 1st Floor) (b)

Door 1: Glass (> 50% glazing): Metal Frame, Entrance Door, Perf. Specs.: Product ID NA, SHGC 0.37, VT 0.40, (Bldg. Use 1 - 1st Floor) (b)

Exterior Wall 2: Wood-Framed, 24" o.c., (Bldg. Use 1 - 1st Floor)
Exterior Wall 3: Wood-Framed, 16" o.c., (Bldg. Use 2 - 2nd Floor)

Window 3: Metal Frame with Thermal Break-Operable, Perf. Specs.: Product ID NA, SHGC 0.38, VT 0.40, (Bldg. Use 2 - 2nd Floor) (b)

EAST
Exterior Wall 7: Solid Concrete 3" Thickness, Normal Density, Furring: Metal, (Bldg. Use 1 - 1st Floor)
Window 8: Metal Frame with Thermal Break-Operable, Perf. Specs.: Product ID NA, SHGC 0.38, VT 0.40, (Bldg. Use 1 - 1st Floor) (b)

Project Title: Commercial Building with Residential Units
Data filename: C:\Users\yruc\Desktop\Chen O'Neil Architects\COA\_PHFH\_Habitat\HH\_VFW\HH\_VFW\_NJ CODE\1 Page 1 of 9

Table with 4 columns: Section # & Req.ID, Framing / Rough-In Inspection, Complies?, Comments/Assumptions. Rows for C303.1.3 (FR12), C303.1.3 (FR13), C402.4.3 (FR10), C402.4.3 (FR8), C402.4.4 (FR14), C402.5.7 (FR17).

Additional Comments/Assumptions:

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

Project Title: Commercial Building with Residential Units
Data filename: C:\Users\yruc\Desktop\Chen O'Neil Architects\COA\_PHFH\_Habitat\HH\_VFW\HH\_VFW\_NJ CODE\1 Page 5 of 9

Table with 4 columns: Section # & Req.ID, Mechanical Rough-In Inspection, Complies?, Comments/Assumptions. Rows for C402.5.5, C403.2.4.3 (ME3).

Additional Comments/Assumptions:

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

Project Title: Commercial Building with Residential Units
Data filename: C:\Users\yruc\Desktop\Chen O'Neil Architects\COA\_PHFH\_Habitat\HH\_VFW\HH\_VFW\_NJ CODE\1 Page 6 of 9

Table with 4 columns: Section # & Req.ID, Insulation Inspection, Complies?, Comments/Assumptions. Rows for C303.1 (IN3), C402.2.1 (IN20), C303.1 (IN10), C303.2 (IN7), C303.2.1 (IN14), C105 (IN6), C402.2.3 (IN8), C402.2.6 (IN18), C105 (IN2), C402.5.1 (IN1).

Additional Comments/Assumptions:

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

Project Title: Commercial Building with Residential Units
Data filename: C:\Users\yruc\Desktop\Chen O'Neil Architects\COA\_PHFH\_Habitat\HH\_VFW\HH\_VFW\_NJ CODE\1 Page 7 of 9

Table with 4 columns: Section # & Req.ID, Final Inspection, Complies?, Comments/Assumptions. Rows for C402.5 (FI55), C402.5.6 (FI37), C402.5.6 (FI37), C402.5.6 (FI37), C402.5.6 (FI37).

Additional Comments/Assumptions:

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

Project Title: Commercial Building with Residential Units
Data filename: C:\Users\yruc\Desktop\Chen O'Neil Architects\COA\_PHFH\_Habitat\HH\_VFW\HH\_VFW\_NJ CODE\1 Page 8 of 9

Table with 6 columns: Assembly, Gross Area or Perimeter, Cavity R-Value, Cont. R-Value, Proposed U-Factor, Budget U-Factor. Rows for Exterior Wall 8, Window 6, Exterior Wall 11, SOUTH, Exterior Wall 4, Window 4, Door 2, Exterior Wall 5, Exterior Wall 6, Window 5, WEST, Exterior Wall 9, Window 7, Door 3, Door 4, Exterior Wall 10, Exterior Wall 12.

(a) Budget U-factors are used for software baseline calculations ONLY, and are not code requirements.
(b) Fenestration product performance must be certified in accordance with NFRC and requires supporting documentation.
(c) Slab-On-Grade proposed and budget U-factors shown in table are F-factors.

Envelope PASSES: Design 19% better than code

Envelope Compliance Statement
Compliance Statement: The proposed envelope design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application.

Table with 4 columns: Name - Title, Signature, Date

Project Title: Commercial Building with Residential Units
Data filename: C:\Users\yruc\Desktop\Chen O'Neil Architects\COA\_PHFH\_Habitat\HH\_VFW\HH\_VFW\_NJ CODE\1 Page 2 of 9

Table with 4 columns: Section # & Req.ID, Insulation Inspection, Complies?, Comments/Assumptions. Rows for C406 (FR9).

Additional Comments/Assumptions:

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

Project Title: Commercial Building with Residential Units
Data filename: C:\Users\yruc\Desktop\Chen O'Neil Architects\COA\_PHFH\_Habitat\HH\_VFW\HH\_VFW\_NJ CODE\1 Page 3 of 9

Table with 4 columns: Section # & Req.ID, Final Inspection, Complies?, Comments/Assumptions. Rows for C402.5 (FI55), C402.5.6 (FI37), C402.5.6 (FI37), C402.5.6 (FI37).

Additional Comments/Assumptions:

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

Project Title: Commercial Building with Residential Units
Data filename: C:\Users\yruc\Desktop\Chen O'Neil Architects\COA\_PHFH\_Habitat\HH\_VFW\HH\_VFW\_NJ CODE\1 Page 4 of 9

Table with 4 columns: Section # & Req.ID, Framing / Rough-In Inspection, Complies?, Comments/Assumptions. Rows for C303.1.3 (FR12), C303.1.3 (FR13), C402.4.3 (FR10), C402.4.3 (FR8), C402.4.4 (FR14), C402.5.7 (FR17).

Additional Comments/Assumptions:

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

Project Title: Commercial Building with Residential Units
Data filename: C:\Users\yruc\Desktop\Chen O'Neil Architects\COA\_PHFH\_Habitat\HH\_VFW\HH\_VFW\_NJ CODE\1 Page 5 of 9

Table with 4 columns: Section # & Req.ID, Mechanical Rough-In Inspection, Complies?, Comments/Assumptions. Rows for C402.5.5, C403.2.4.3 (ME3).

Additional Comments/Assumptions:

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

Project Title: Commercial Building with Residential Units
Data filename: C:\Users\yruc\Desktop\Chen O'Neil Architects\COA\_PHFH\_Habitat\HH\_VFW\HH\_VFW\_NJ CODE\1 Page 6 of 9

Table with 4 columns: Section # & Req.ID, Insulation Inspection, Complies?, Comments/Assumptions. Rows for C303.1 (IN3), C402.2.1 (IN20), C303.1 (IN10), C303.2 (IN7), C303.2.1 (IN14), C105 (IN6), C402.2.3 (IN8), C402.2.6 (IN18), C105 (IN2), C402.5.1 (IN1).

Additional Comments/Assumptions:

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

Table with 4 columns: Section # & Req.ID, Final Inspection, Complies?, Comments/Assumptions. Rows for C402.5 (FI55), C402.5.6 (FI37), C402.5.6 (FI37), C402.5.6 (FI37), C402.5.6 (FI37).

Additional Comments/Assumptions:

Project Title: Commercial Building with Residential Units
Data filename: C:\Users\yruc\Desktop\Chen O'Neil Architects\COA\_PHFH\_Habitat\HH\_VFW\HH\_VFW\_NJ CODE\1 Page 7 of 9



COMcheck Software Version 4.1.5.1

Inspection Checklist

Energy Code: 2018 IECC

Requirements: 0.0% were addressed directly in the COMcheck software

Text in the "Comments/Assumptions" column is provided by the user in the COMcheck Requirements screen. For each requirement, the user certifies that a code requirement will be met and how that is documented, or that an exception is being claimed.

Table with 4 columns: Section # & Req.ID, Plan Review, Complies?, Comments/Assumptions. Rows for C103.2 (PR1), C402.4.1 (PR10), C402.4.1 (PR11), C402.4.2 (PR14), C406 (FR9).

Additional Comments/Assumptions:

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

Project Title: Commercial Building with Residential Units
Data filename: C:\Users\yruc\Desktop\Chen O'Neil Architects\COA\_PHFH\_Habitat\HH\_VFW\HH\_VFW\_NJ CODE\1 Page 3 of 9

Table with 4 columns: Section # & Req.ID, Final Inspection, Complies?, Comments/Assumptions. Rows for C402.5 (FI55), C402.5.6 (FI37), C402.5.6 (FI37), C402.5.6 (FI37).

Additional Comments/Assumptions:

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

Project Title: Commercial Building with Residential Units
Data filename: C:\Users\yruc\Desktop\Chen O'Neil Architects\COA\_PHFH\_Habitat\HH\_VFW\HH\_VFW\_NJ CODE\1 Page 4 of 9

Table with 4 columns: Section # & Req.ID, Framing / Rough-In Inspection, Complies?, Comments/Assumptions. Rows for C303.1.3 (FR12), C303.1.3 (FR13), C402.4.3 (FR10), C402.4.3 (FR8), C402.4.4 (FR14), C402.5.7 (FR17).

Additional Comments/Assumptions:

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

Project Title: Commercial Building with Residential Units
Data filename: C:\Users\yruc\Desktop\Chen O'Neil Architects\COA\_PHFH\_Habitat\HH\_VFW\HH\_VFW\_NJ CODE\1 Page 5 of 9

Table with 4 columns: Section # & Req.ID, Mechanical Rough-In Inspection, Complies?, Comments/Assumptions. Rows for C402.5.5, C403.2.4.3 (ME3).

Additional Comments/Assumptions:

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

Project Title: Commercial Building with Residential Units
Data filename: C:\Users\yruc\Desktop\Chen O'Neil Architects\COA\_PHFH\_Habitat\HH\_VFW\HH\_VFW\_NJ CODE\1 Page 6 of 9

Table with 4 columns: Section # & Req.ID, Insulation Inspection, Complies?, Comments/Assumptions. Rows for C303.1 (IN3), C402.2.1 (IN20), C303.1 (IN10), C303.2 (IN7), C303.2.1 (IN14), C105 (IN6), C402.2.3 (IN8), C402.2.6 (IN18), C105 (IN2), C402.5.1 (IN1).

Additional Comments/Assumptions:

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

Table with 4 columns: Section # & Req.ID, Final Inspection, Complies?, Comments/Assumptions. Rows for C402.5 (FI55), C402.5.6 (FI37), C402.5.6 (FI37), C402.5.6 (FI37), C402.5.6 (FI37).

Additional Comments/Assumptions:

Project Title: Commercial Building with Residential Units
Data filename: C:\Users\yruc\Desktop\Chen O'Neil Architects\COA\_PHFH\_Habitat\HH\_VFW\HH\_VFW\_NJ CODE\1 Page 7 of 9



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

PROJECT NAME

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:

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) 595-8868

ISSUE/REVISION DATE

4 PROGRESS SET 11/15/2021
3 PROGRESS SET 09/27/2021

DRAWING TITLE

COMCHECK - EXTERIOR ENVELOPE

DRAWING NO.

A-502

DATE: SCALE:

11/15/21

STAMP & SIGNATURE

STATE OF NEW JERSEY
REGISTERED ARCHITECT

NJ LICENSE 20591



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

PROJECT NAME  
**135 SUMMER STREET  
PASSAIC NJ 07055**

CHEN O'NEIL ARCHITECTS, PLLC  
29 GANUNG DRIVE  
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STRUCTURAL ENGINEER:  
**E**  
Taher Engineering LLC  
PO BOX 293  
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APPLICANT:  
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146 North 1st Street  
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4	PROGRESS SET	11/15/2021
3	PROGRESS SET	09/27/2021

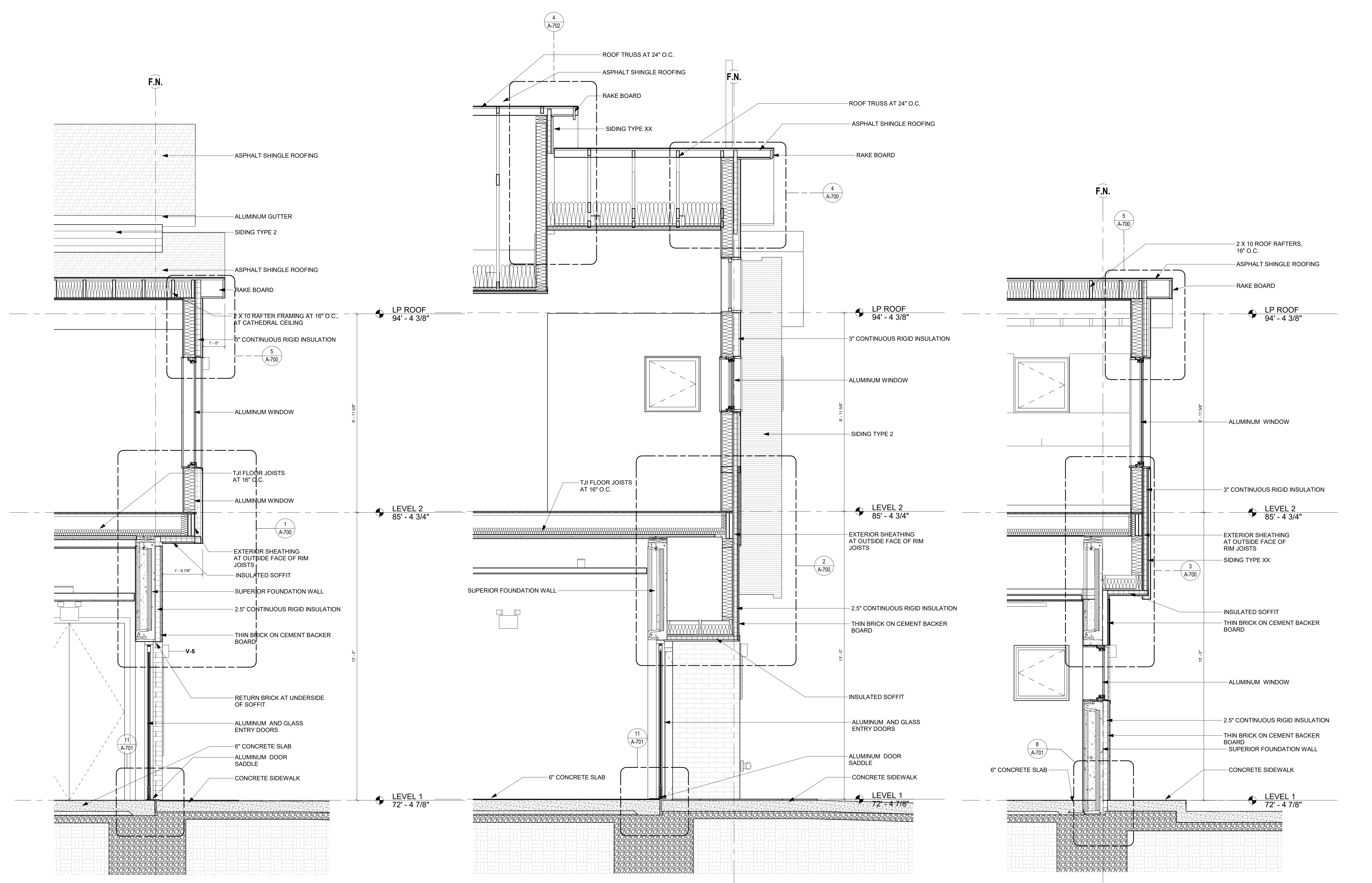
ISSUE/REVISION	DATE
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DRAWING TITLE  
**NORTH WALL SECTIONS**

DRAWING NO.  
**A-600**

DATE: 11/15/21  
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"



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**135 SUMMER STREET  
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**E** Taher Engineering LLC  
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146 North 1st Street  
Paterson, NJ 07522  
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4	PROGRESS SET	11/15/2021
3	PROGRESS SET	09/27/2021

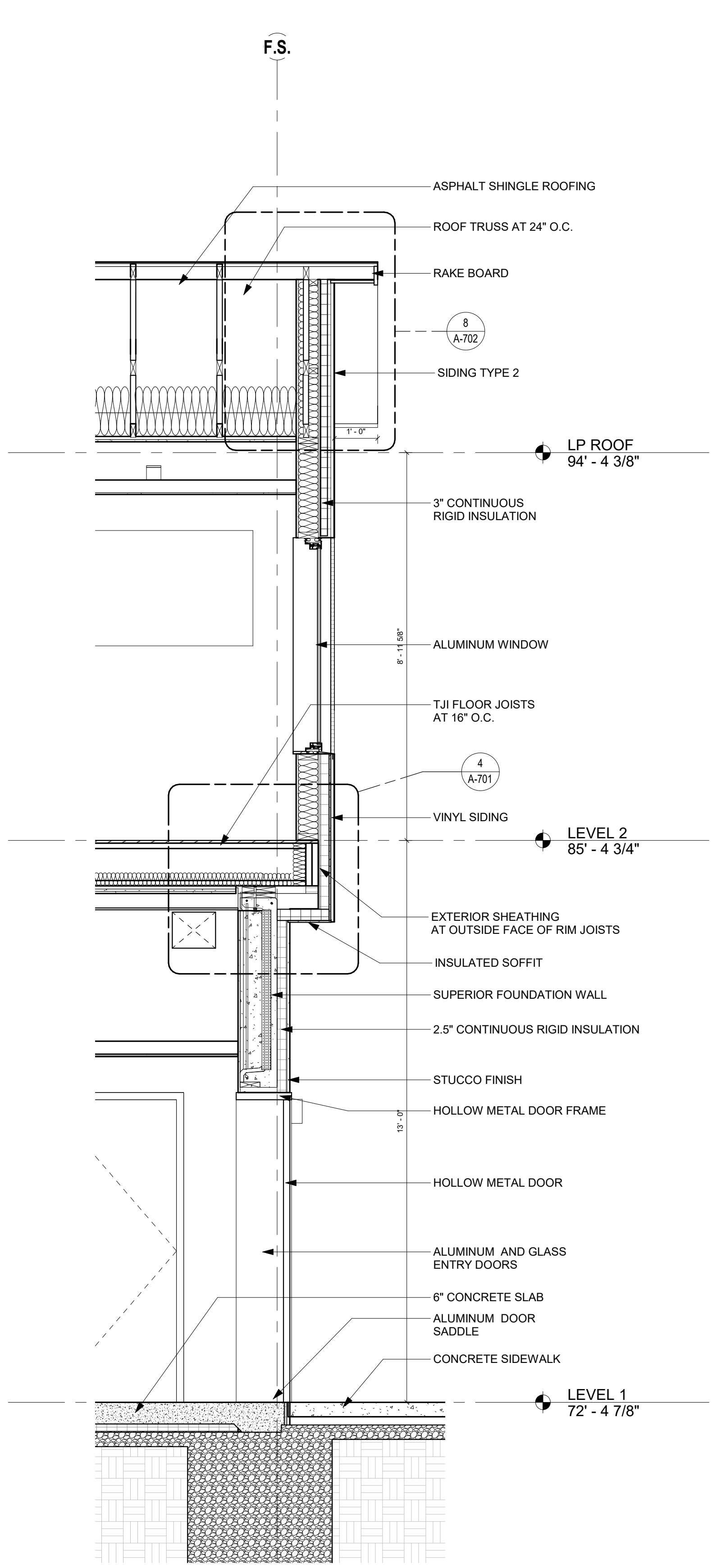
ISSUE/REVISION	DATE
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**NORTH AND SOUTH WALL SECTIONS**

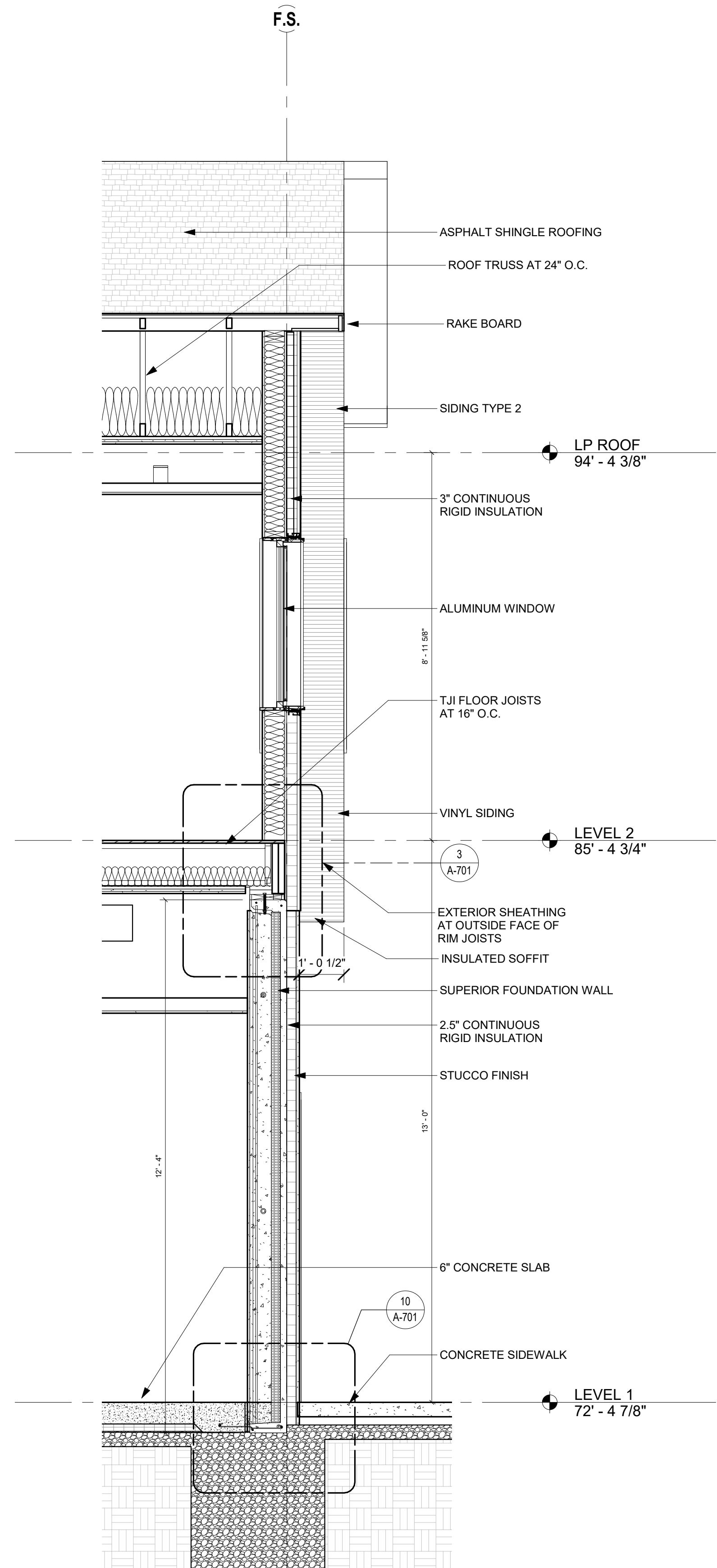
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DATE: 11/15/21  
SCALE: As indicated

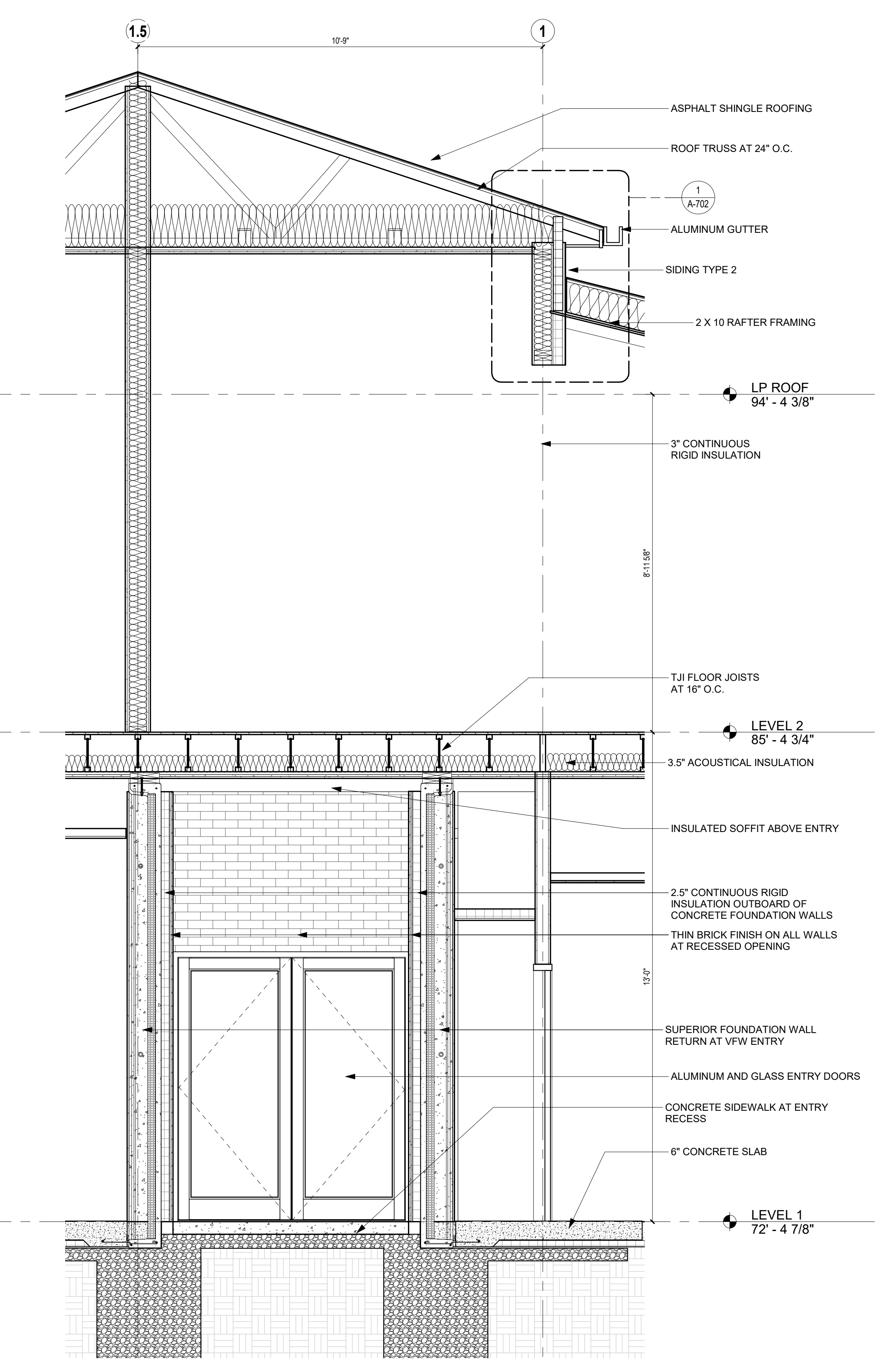
STAMP & SIGNATURE  
  
NJ LICENSE 20591



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



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



③ CROSS SECTION AT VFW ENTRY RETURN WALLS  
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



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APPLICANT:

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4 PROGRESS SET 11/15/2021

3 PROGRESS SET 09/27/2021

ISSUE/REVISION DATE

DRAWING TITLE

EAST WALL  
SECTIONS(WEST SIM.)

DRAWING NO.

A-602

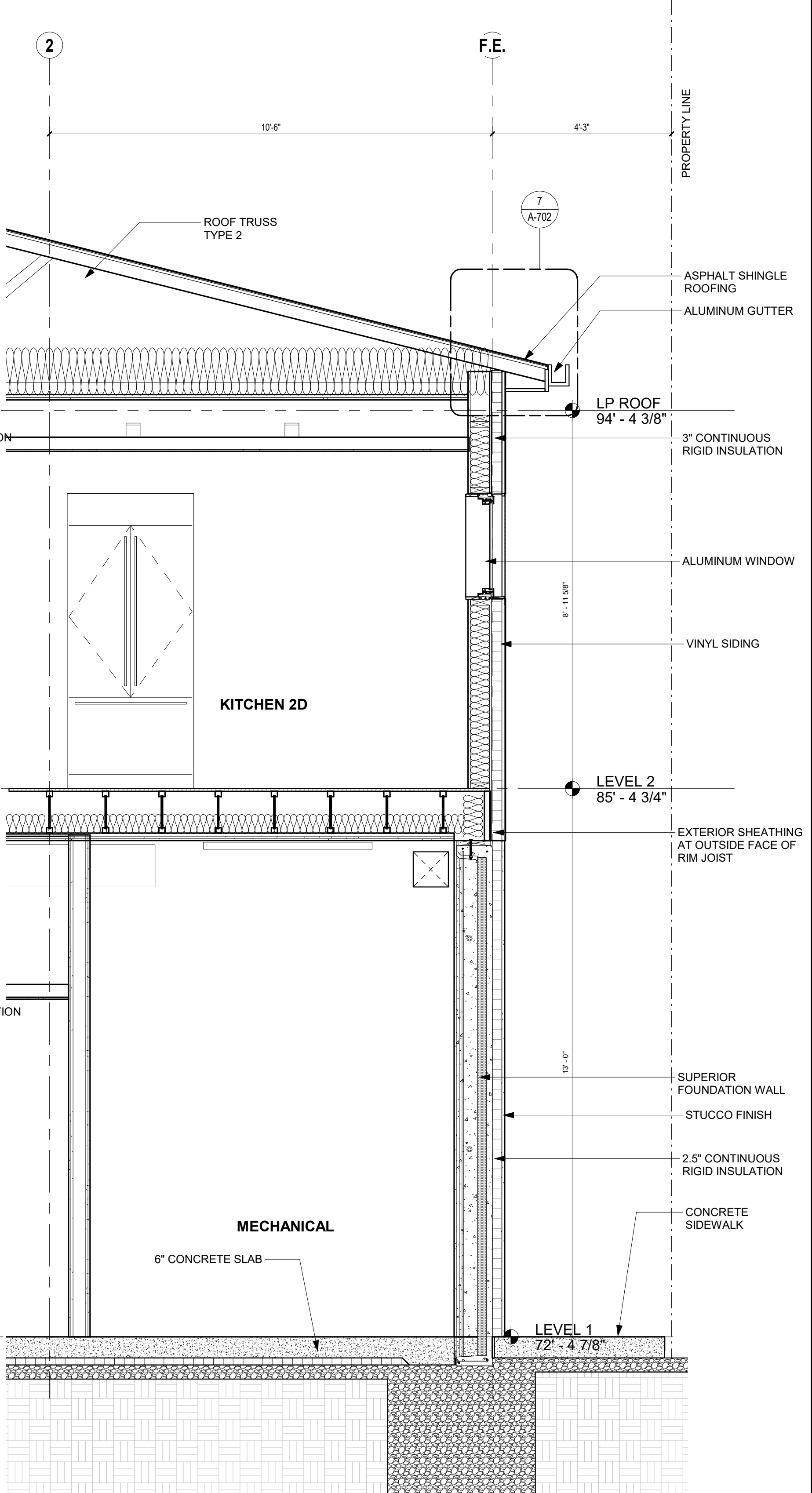
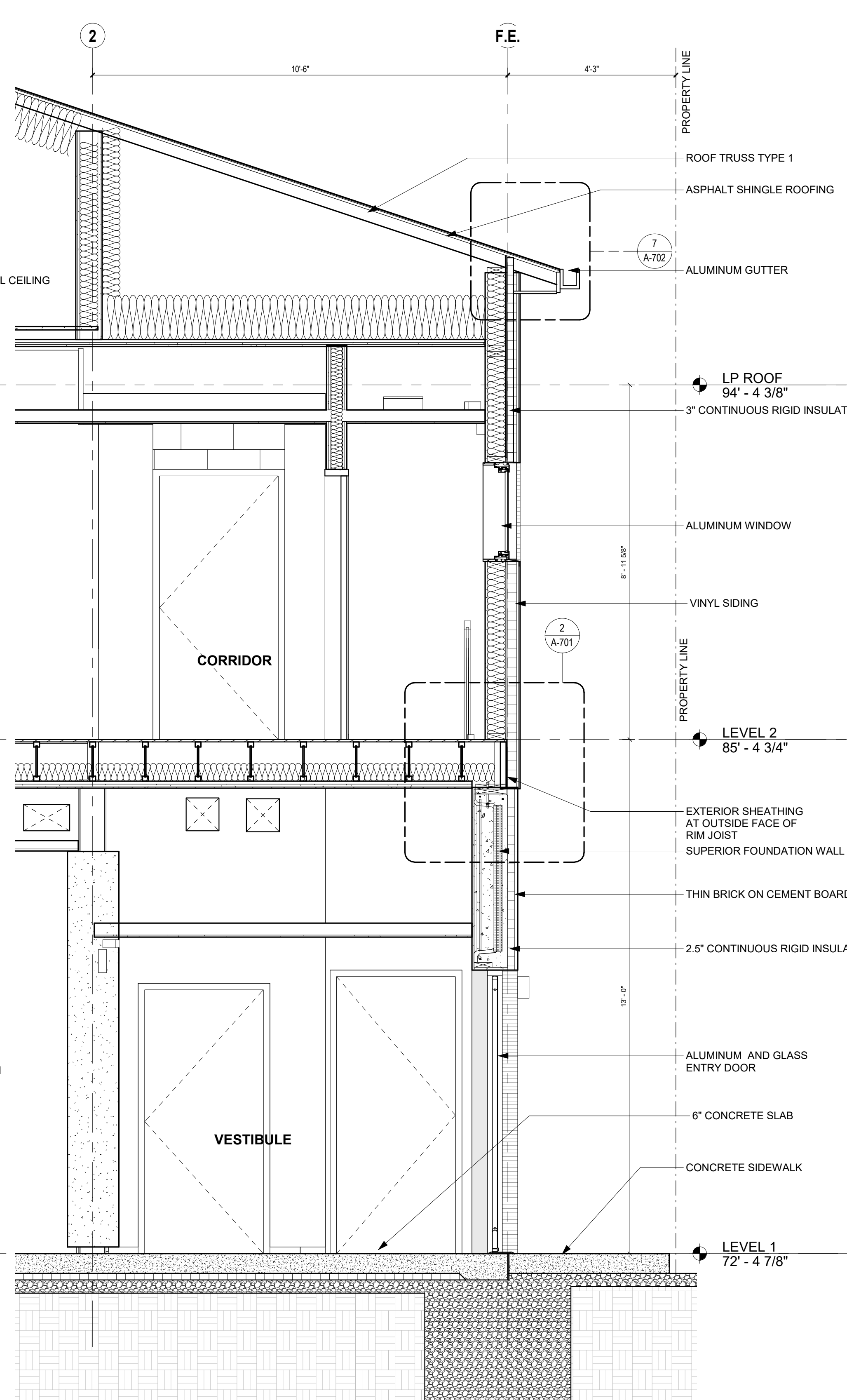
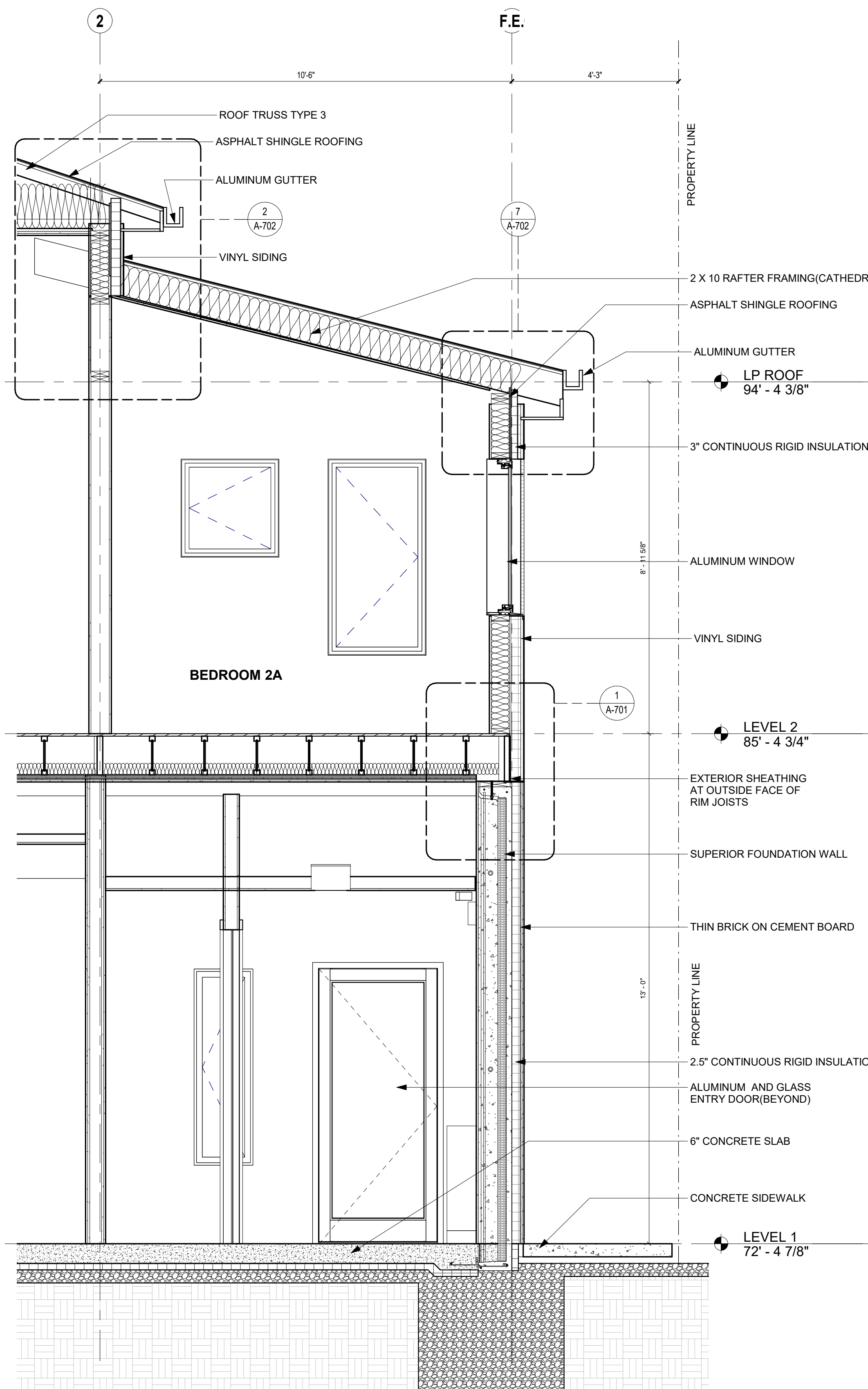
DATE: 11/15/21

SCALE: As indicated

STAMP & SIGNATURE



NJ LICENSE 20591



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



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

PROJECT NAME

135 SUMMER STREET  
PASSAIC NJ 07055

CHEN O'NEIL ARCHITECTS, PLLC

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

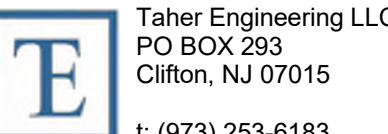
MEP/FP ENGINEER:



CIVIL ENGINEER:

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

STRUCTURAL ENGINEER:



APPLICANT:

Paterson Habitat for Humanity  
146 North 1st Street  
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4 PROGRESS SET 11/15/2021

3 PROGRESS SET 09/27/2021

ISSUE/REVISION DATE

DRAWING TITLE

WALL SECTION DETAILS -  
NORTH WALL

DRAWING NO.

A-700

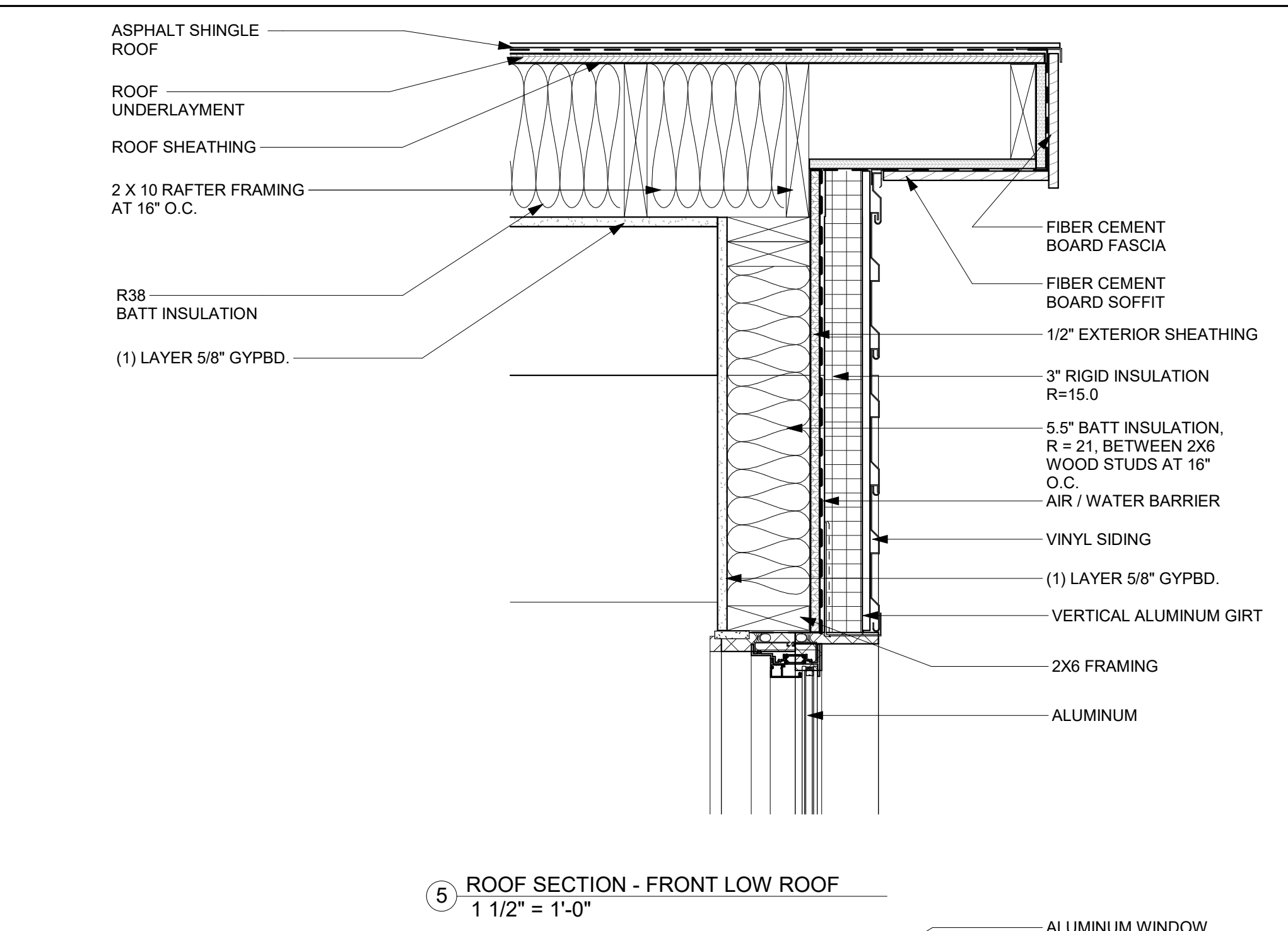
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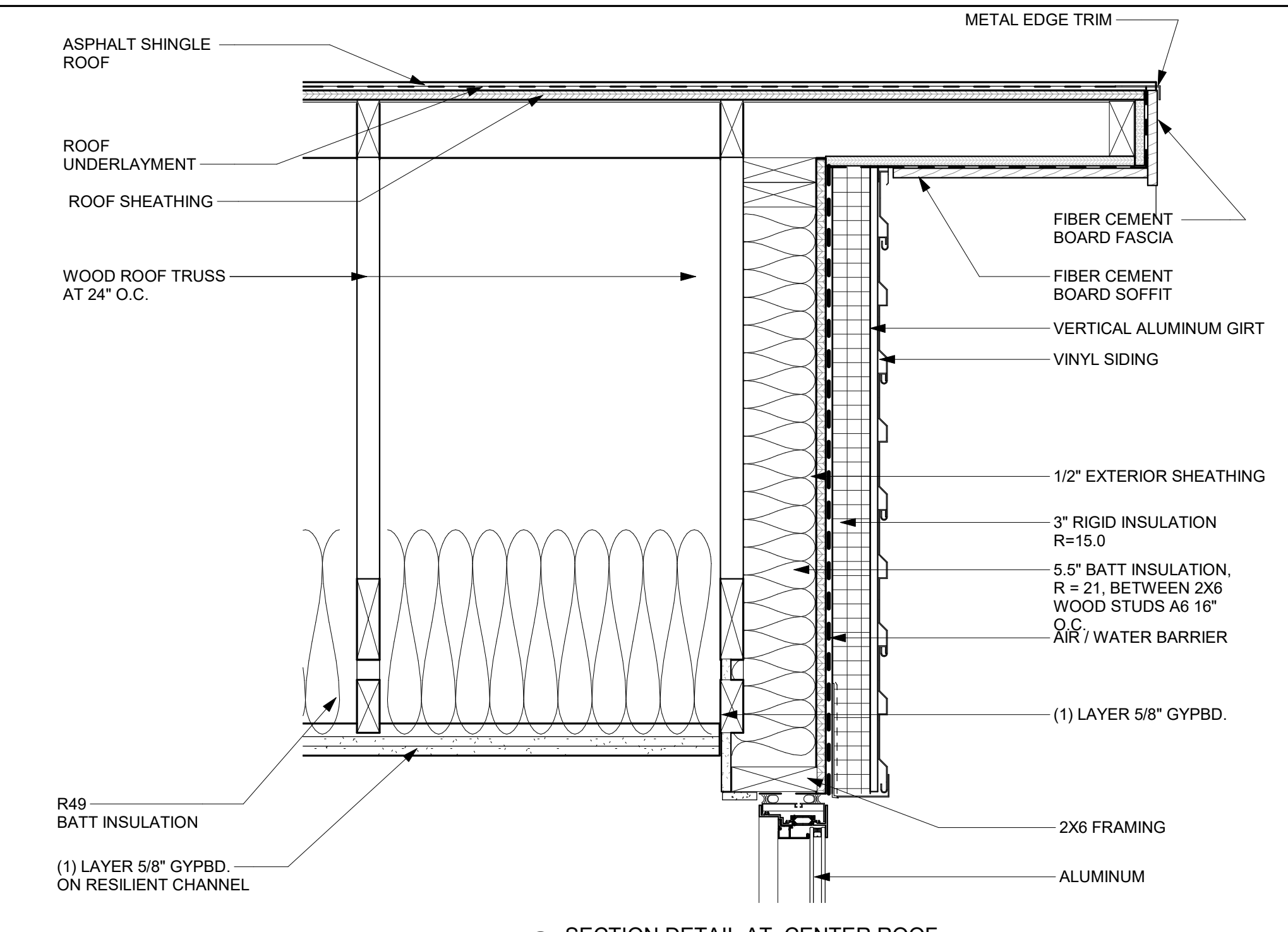
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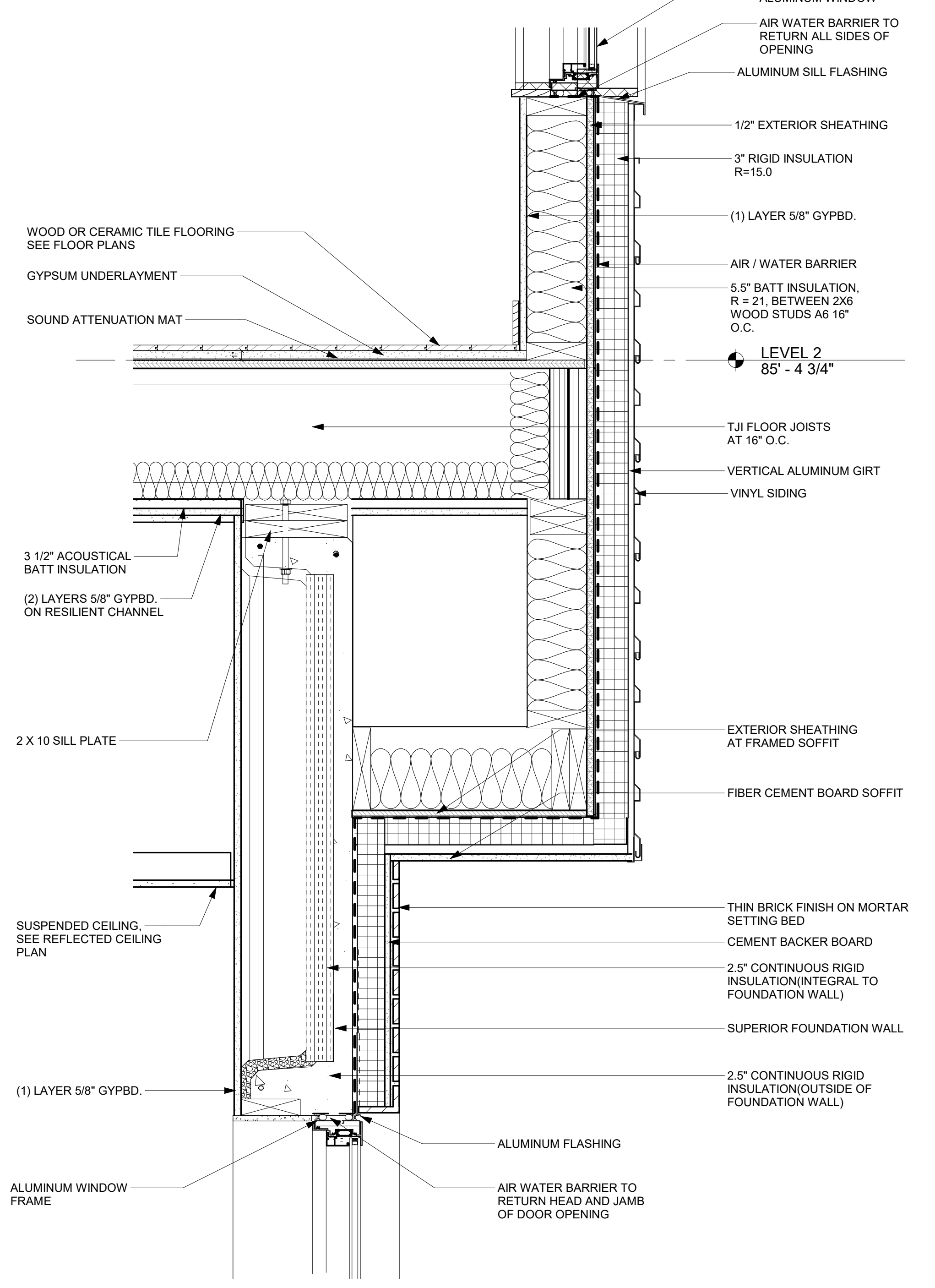
NJ LICENSE 20591



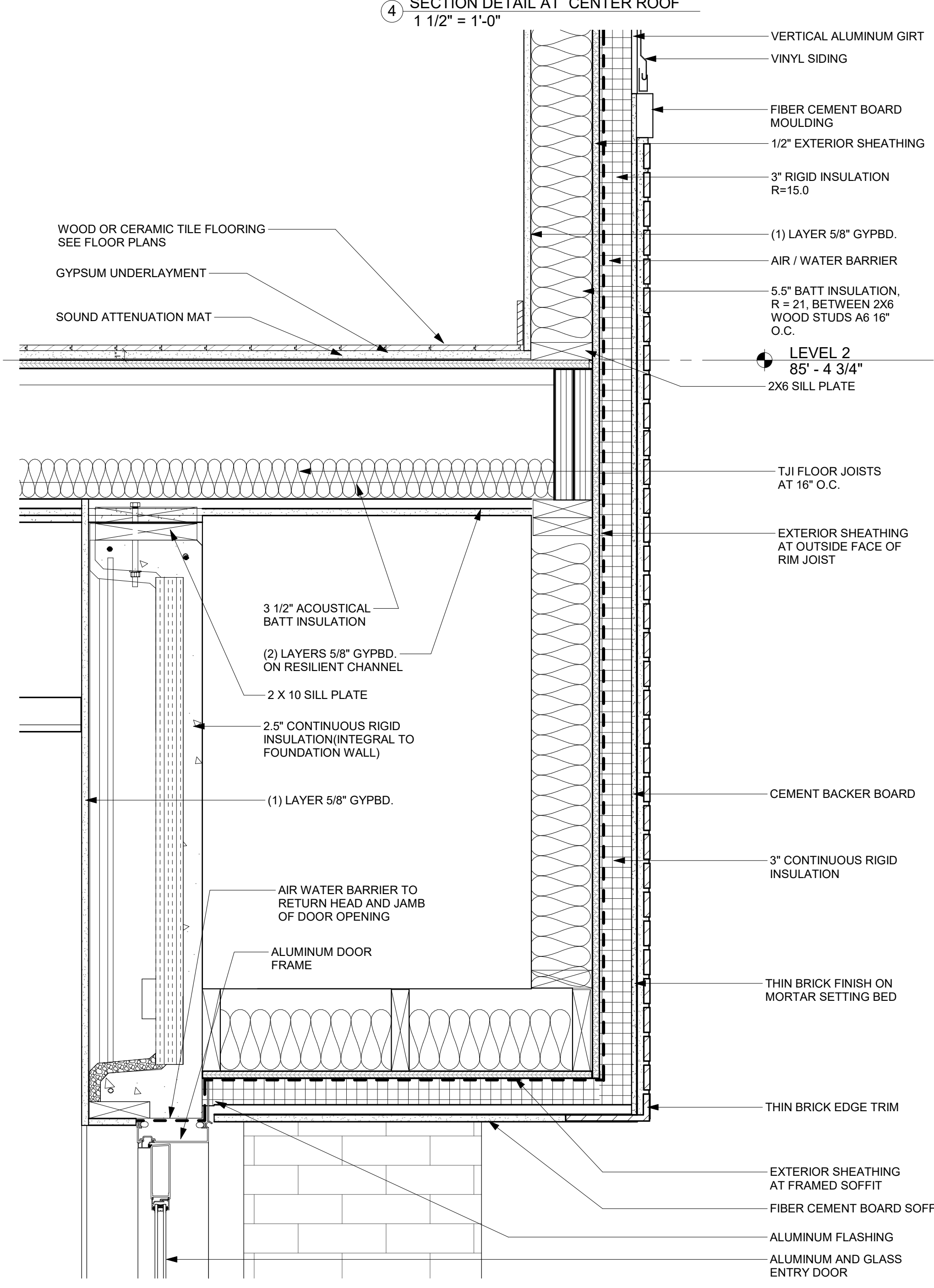
5 ROOF SECTION - FRONT LOW ROOF  
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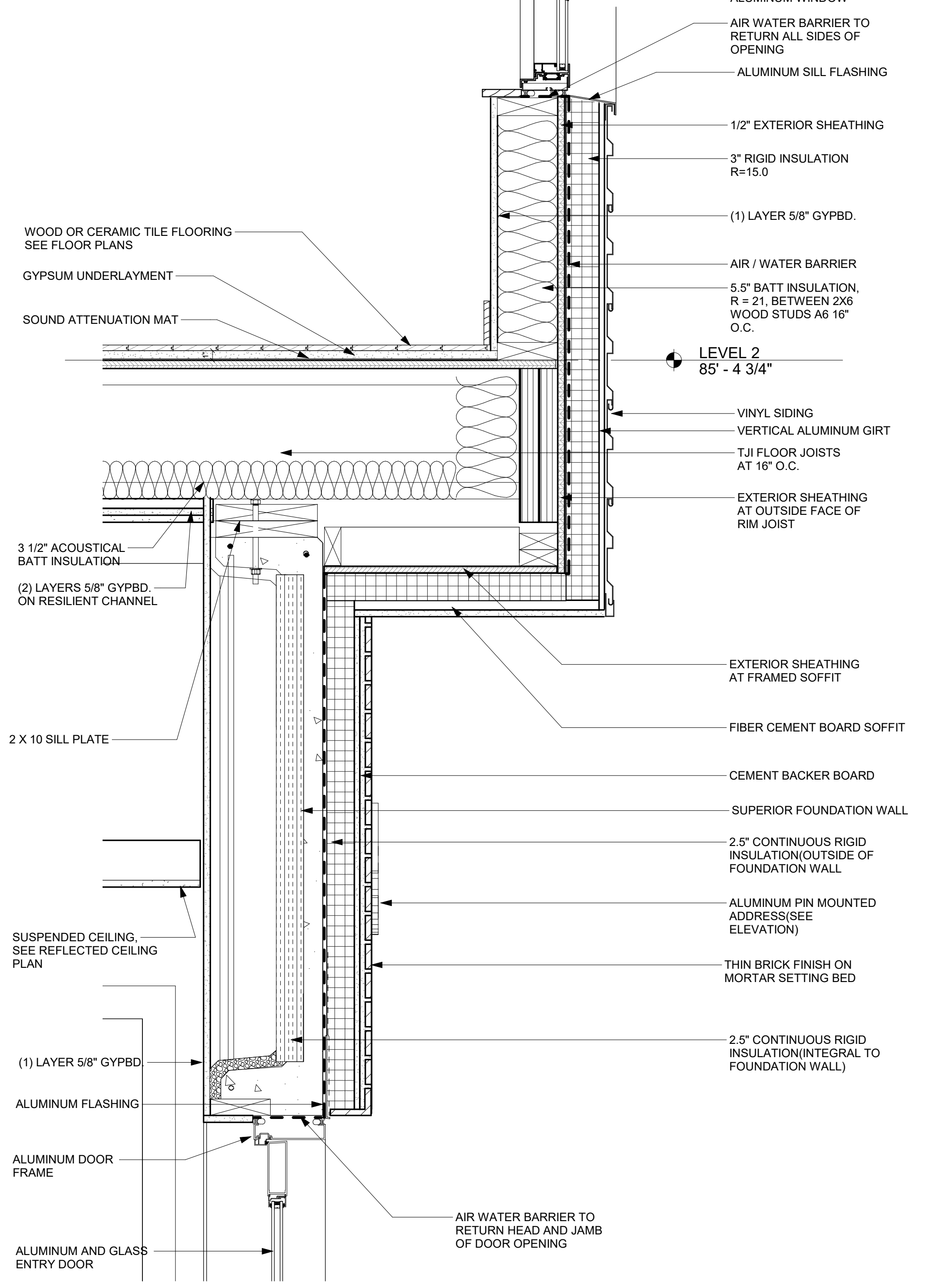
4 SECTION DETAIL AT CENTER ROOF  
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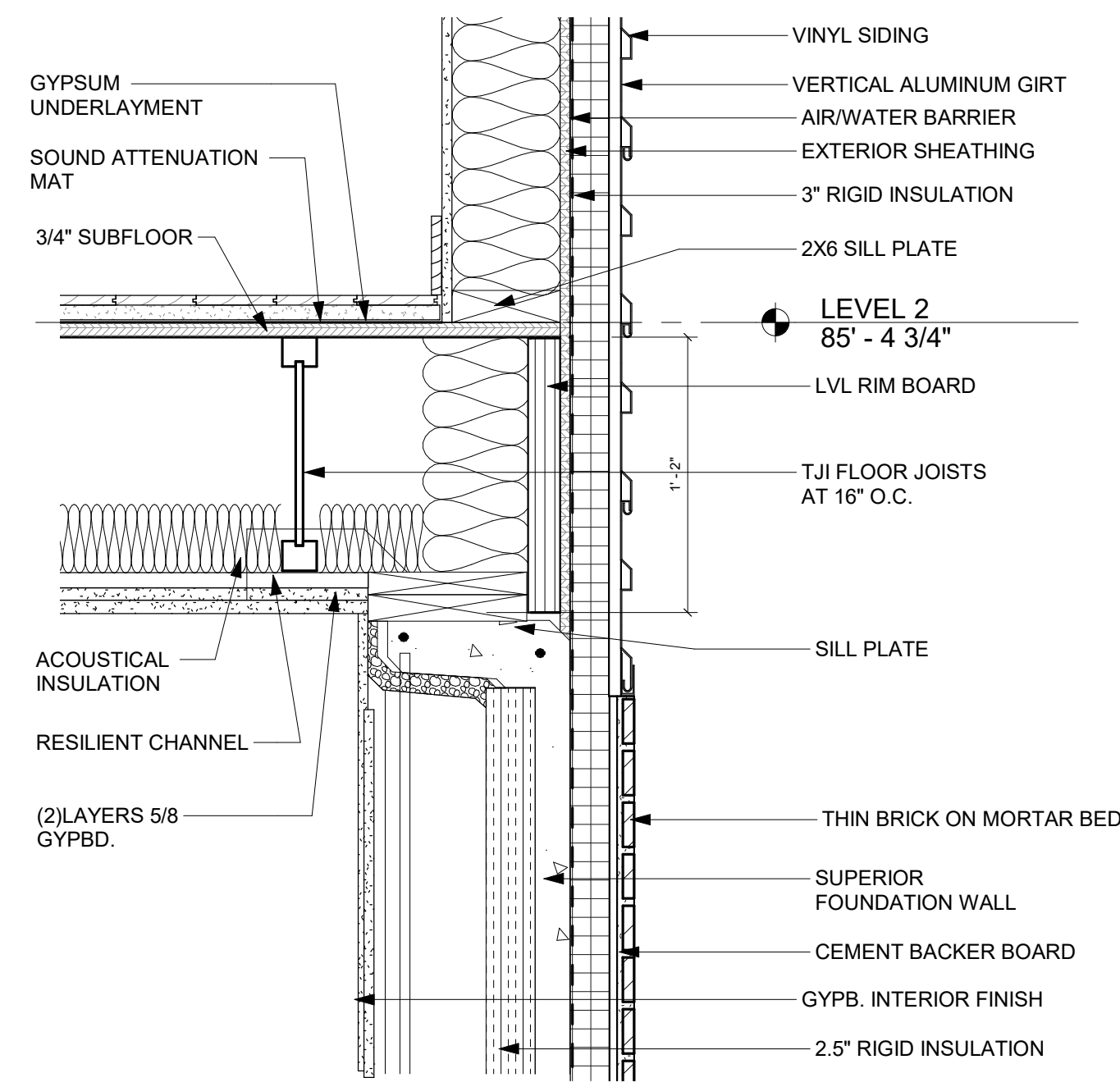
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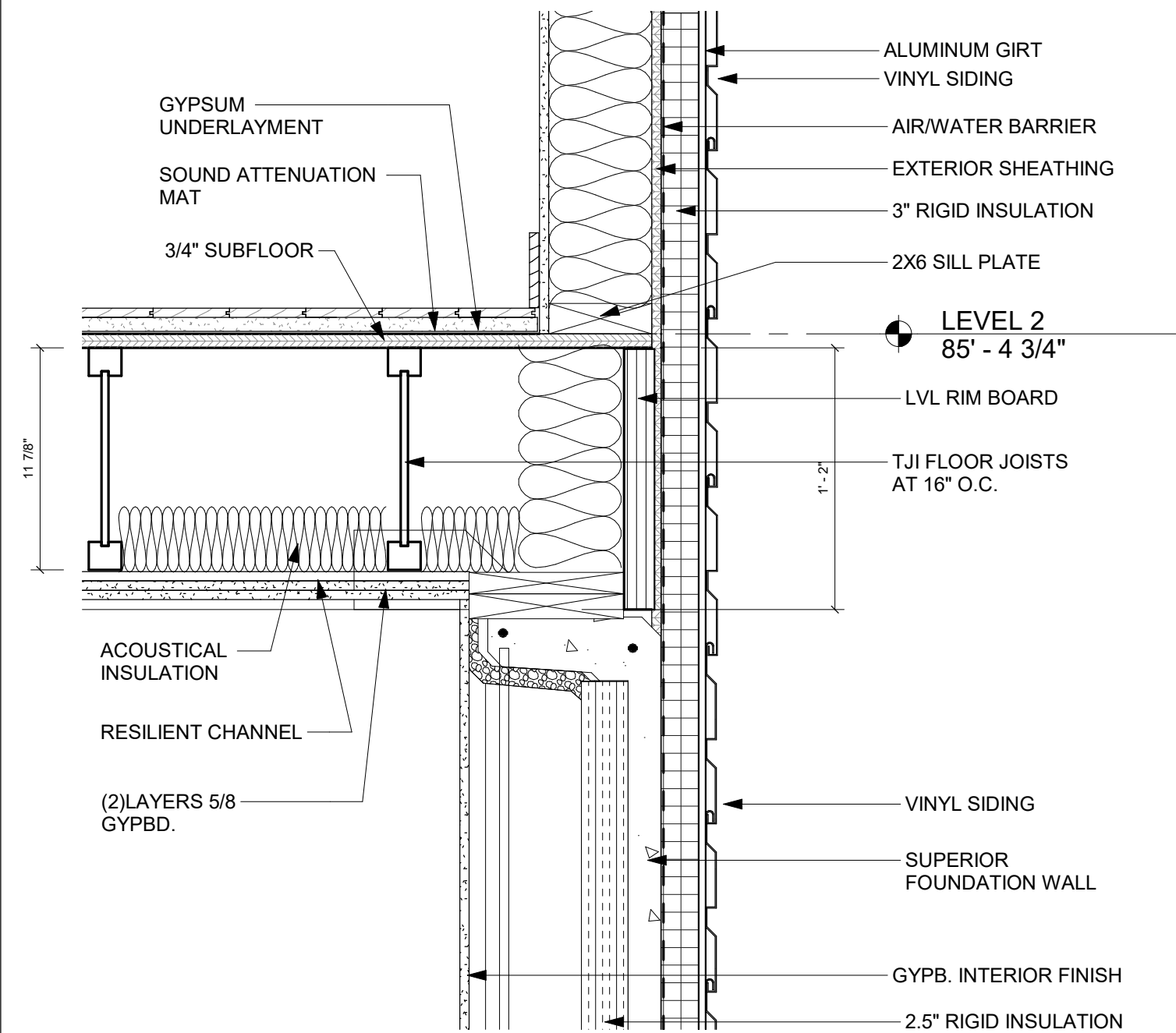
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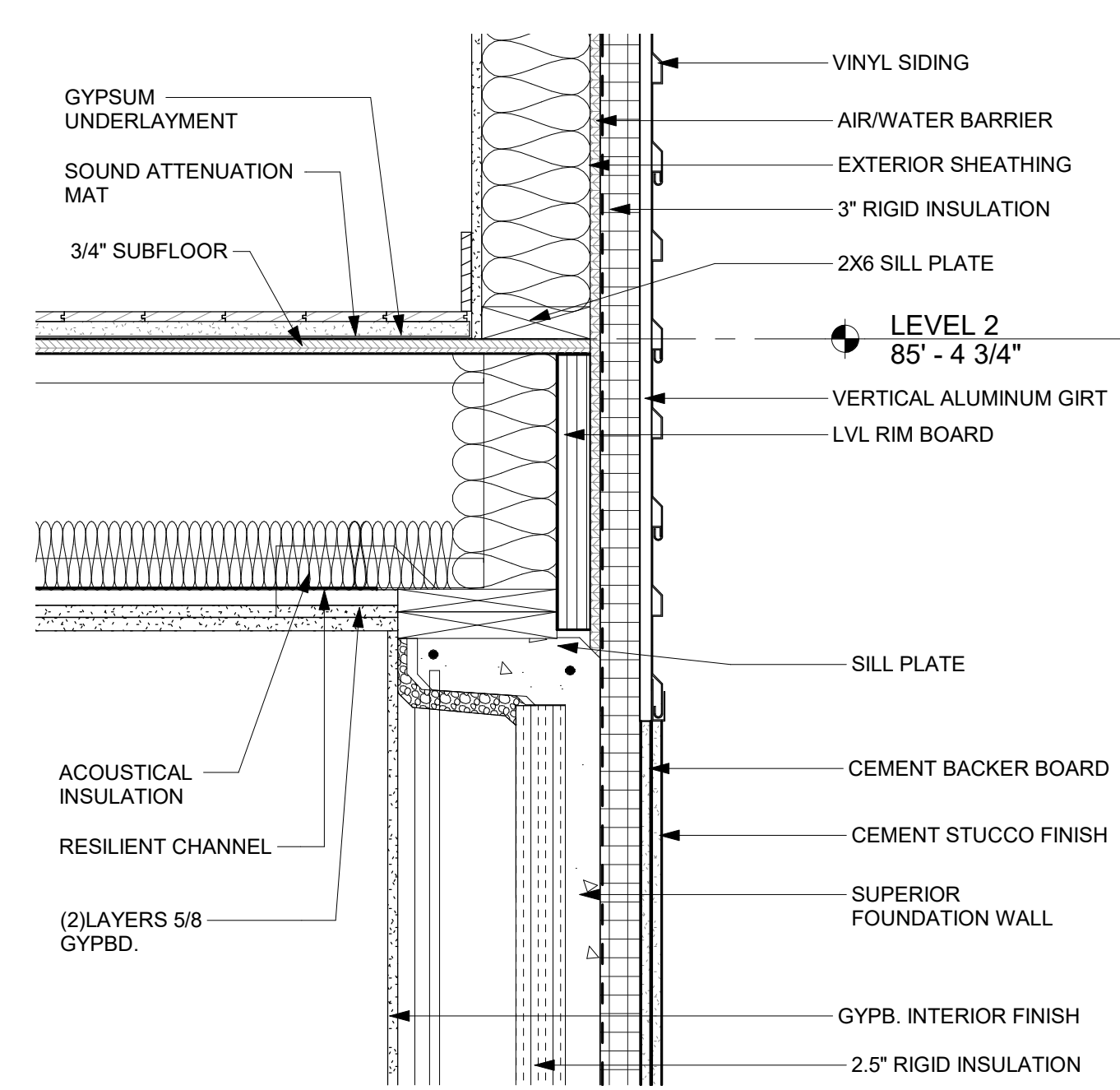
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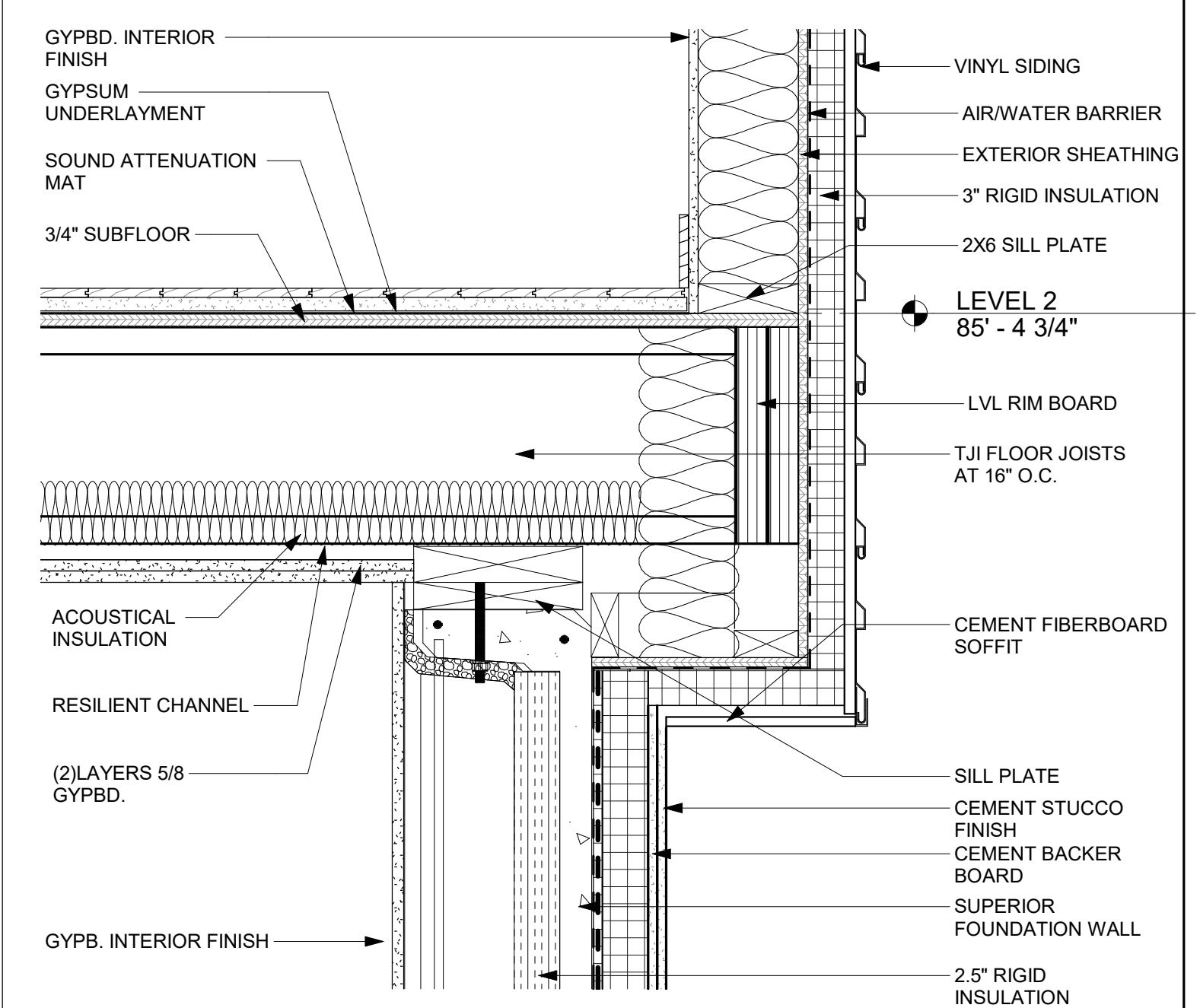
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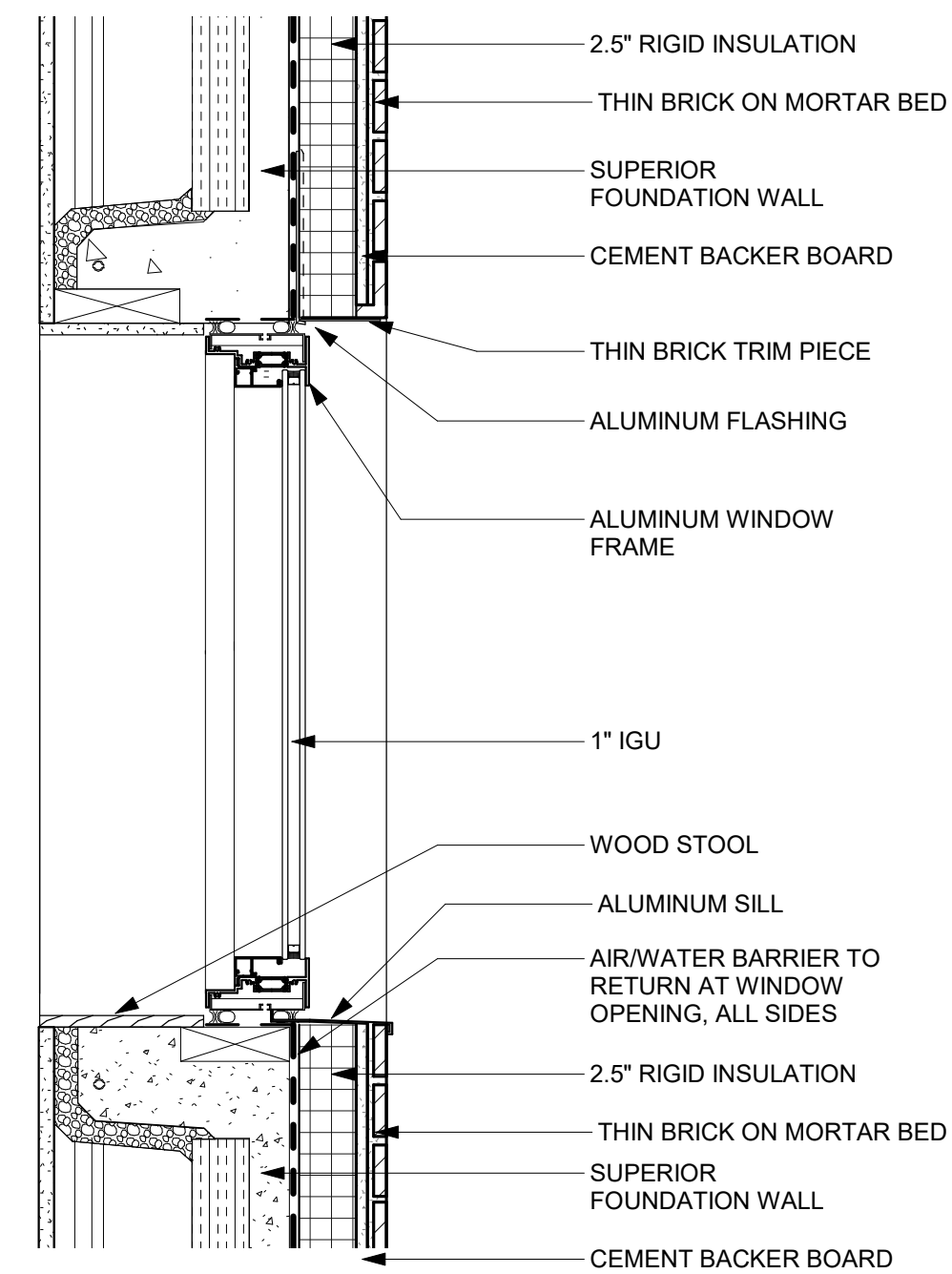
2 SECTION DETAIL AT SECOND FLOOR - SIDING  
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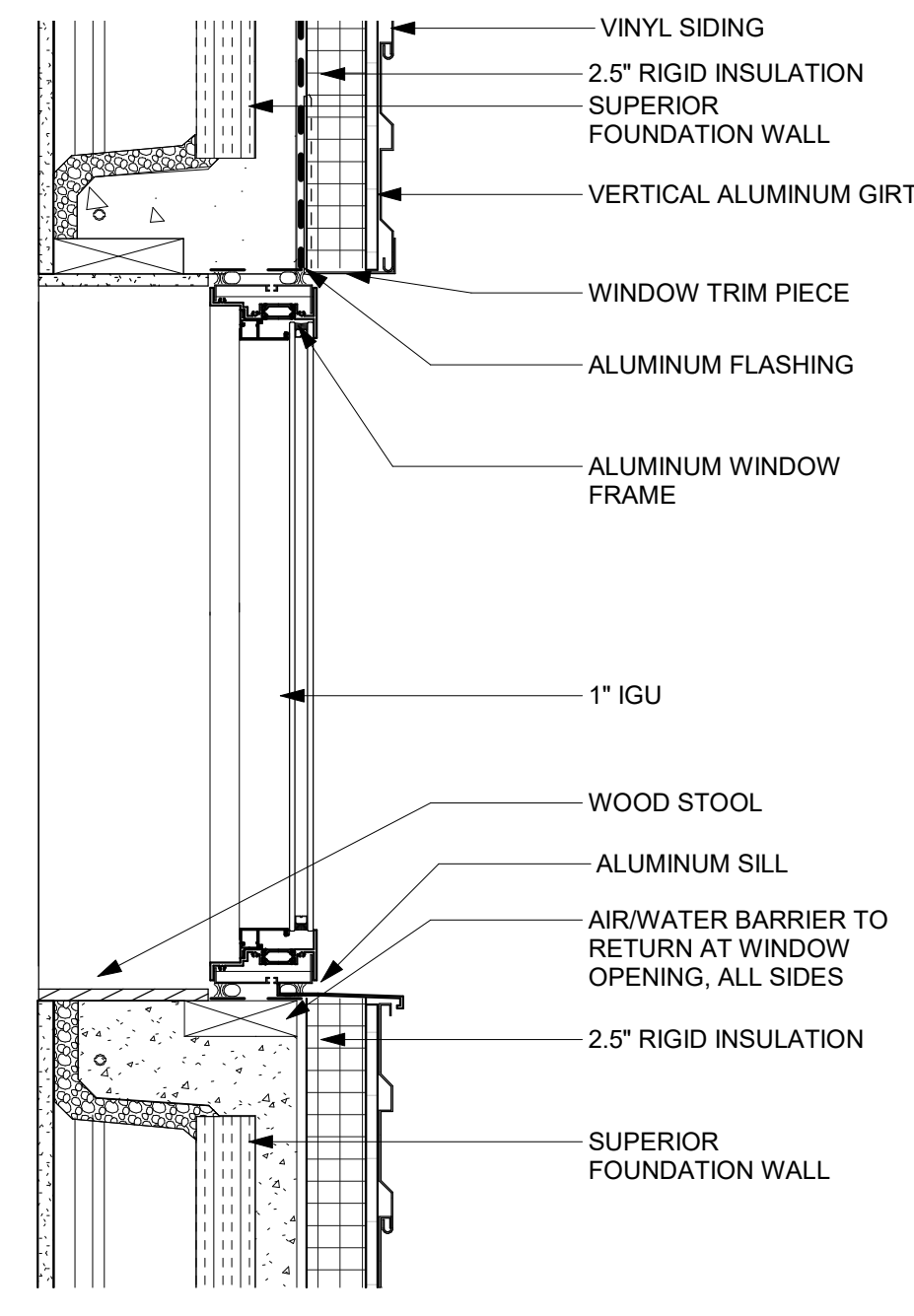
3 SECTION DETAIL AT SECOND FLOOR - STUCCO  
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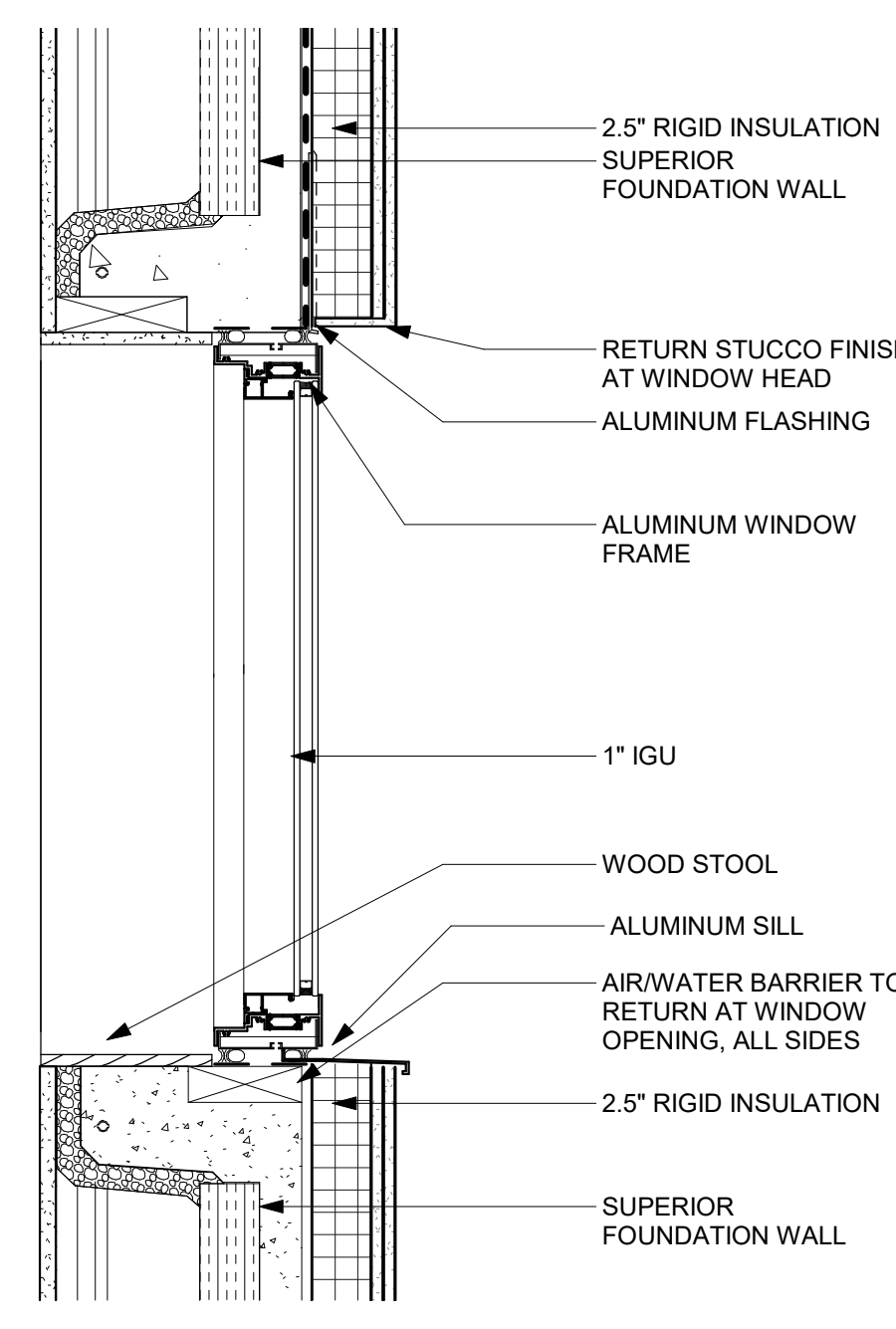
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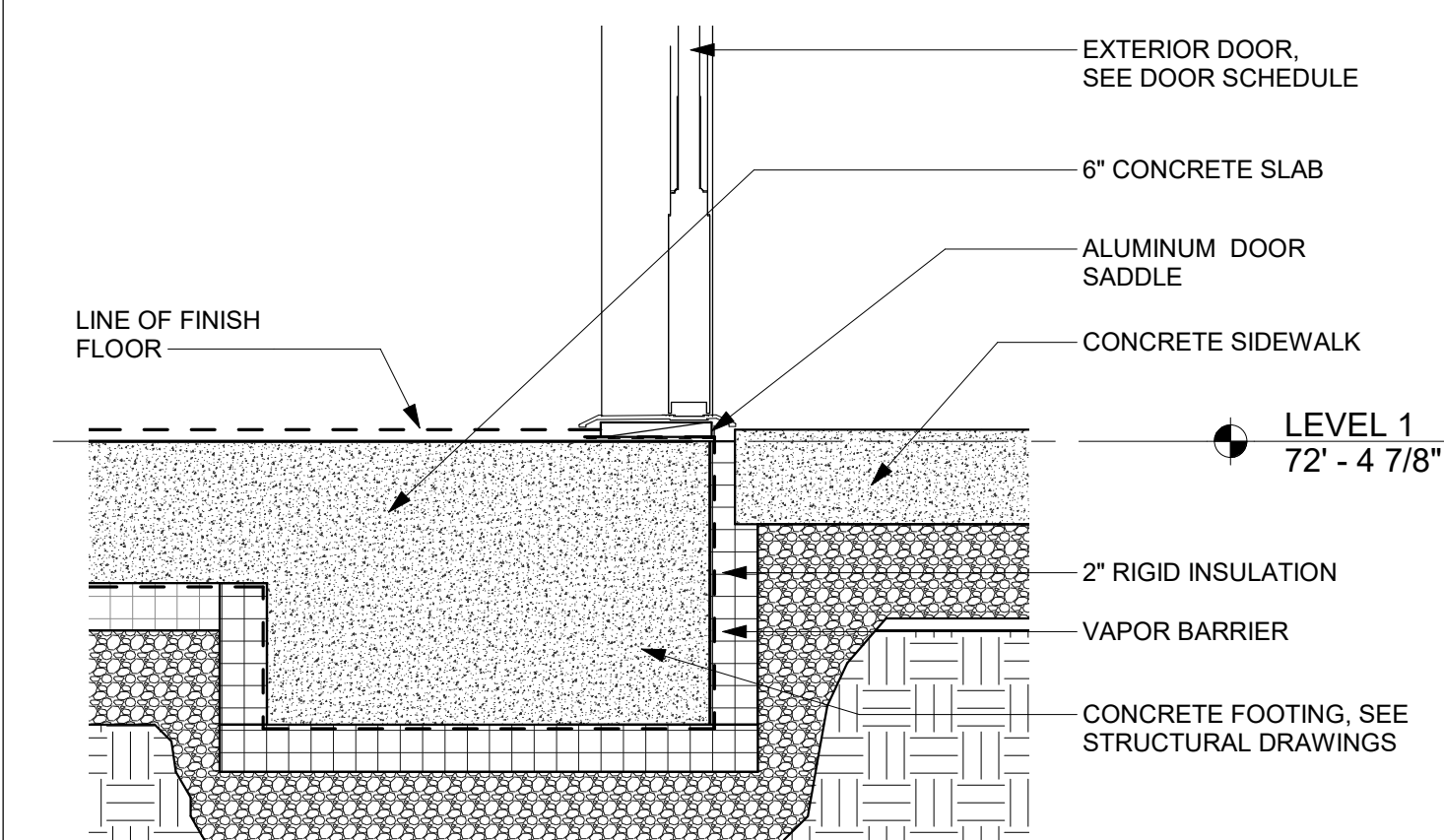
5 FOUNDATION WINDOW AT BRICK WALL  
1 1/2" = 1'-0"



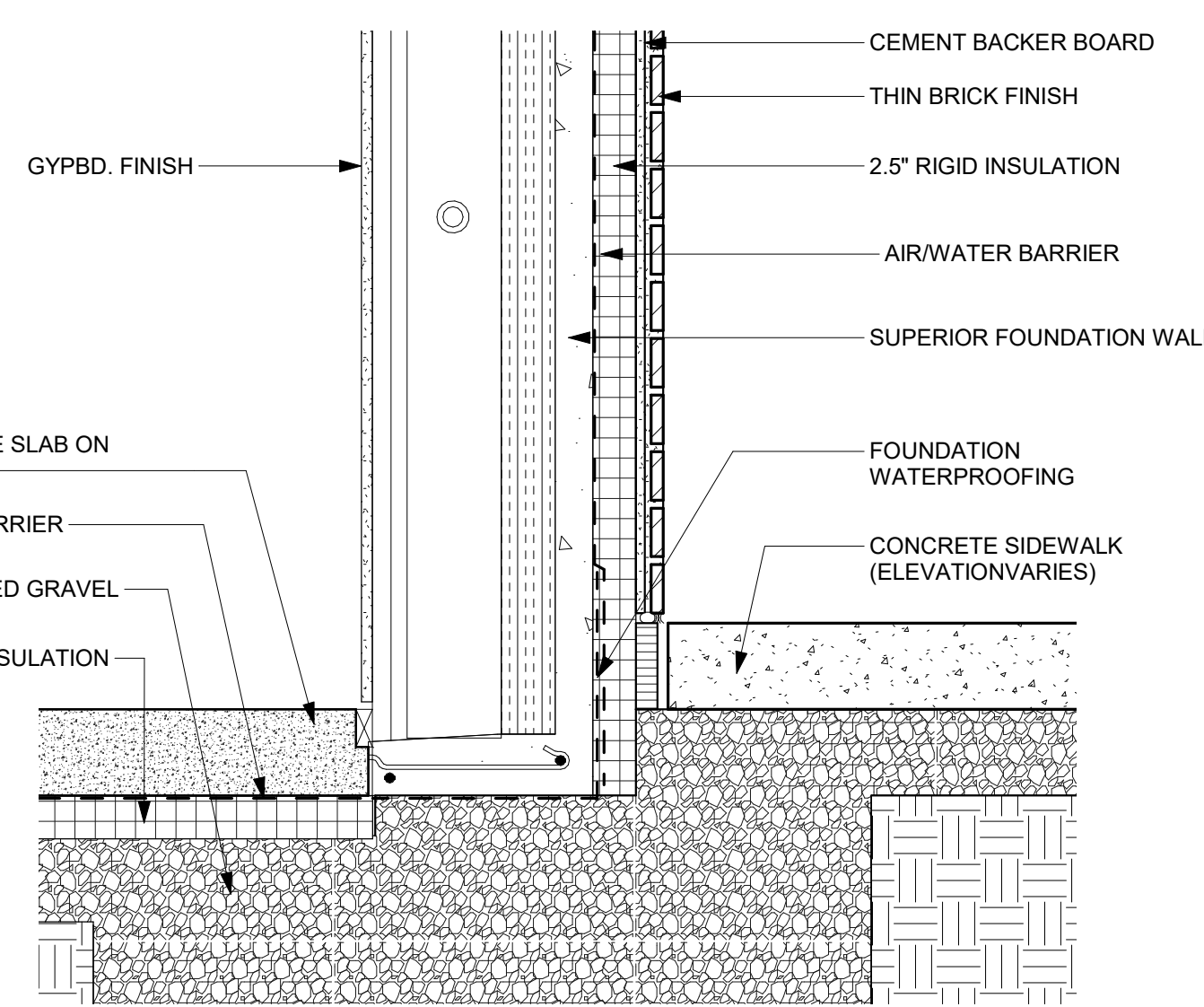
6 FOUNDATION WINDOW AT VINYL SIDING  
1 1/2" = 1'-0"



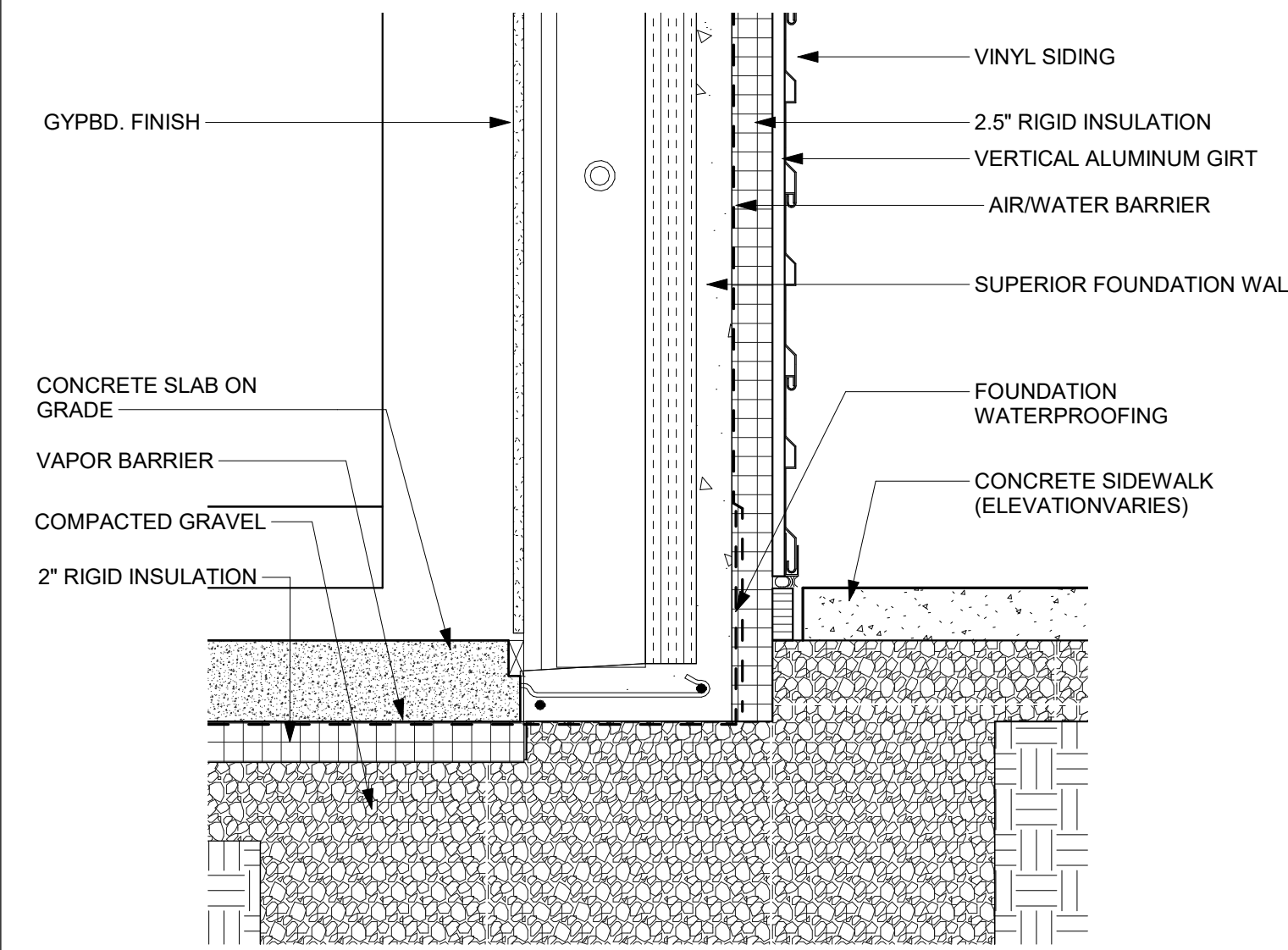
7 FOUNDATION WINDOW AT STUCCO WALL  
1 1/2" = 1'-0"



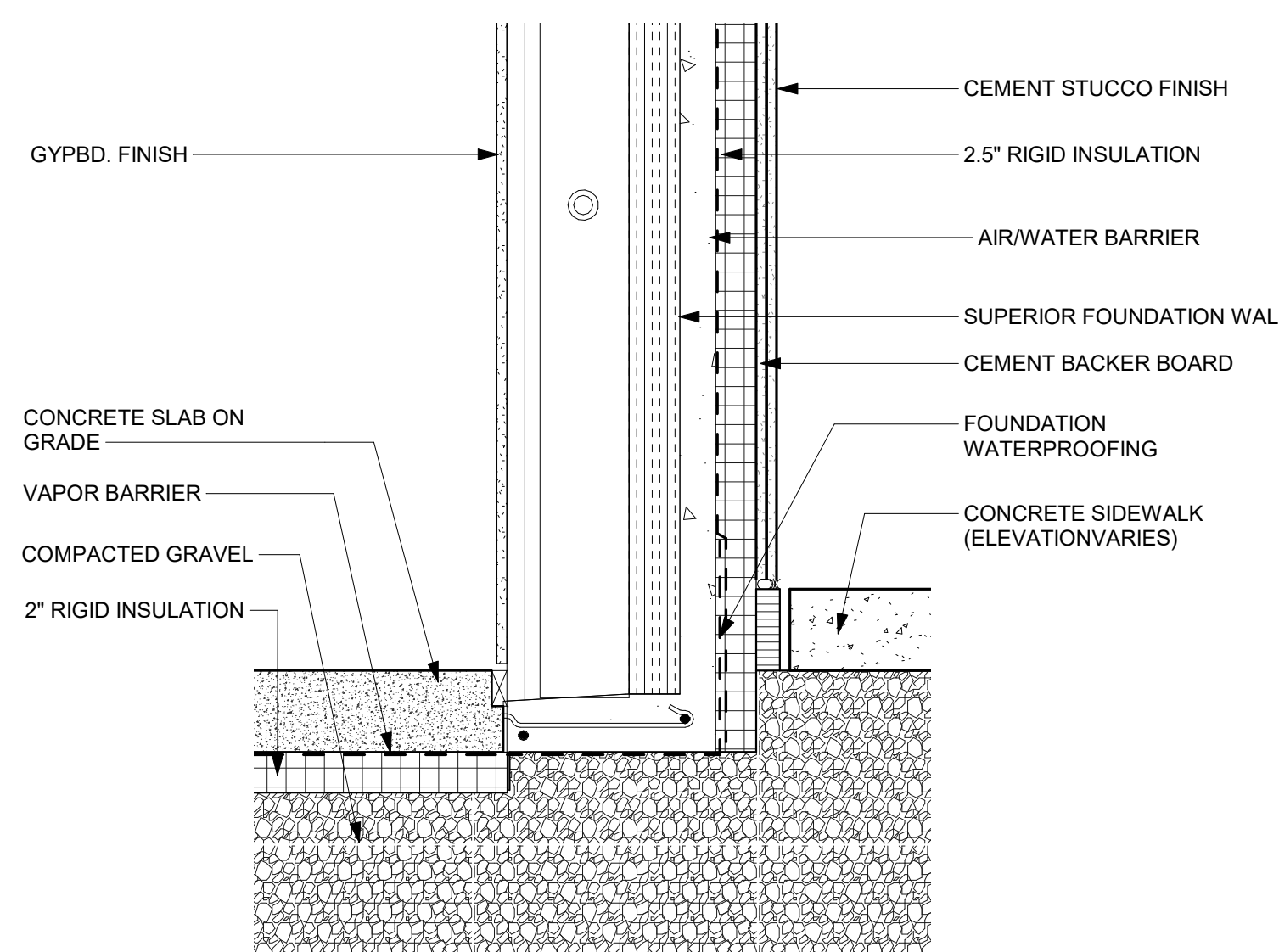
11 TYPICAL DOOR SILL DETAIL  
1 1/2" = 1'-0"



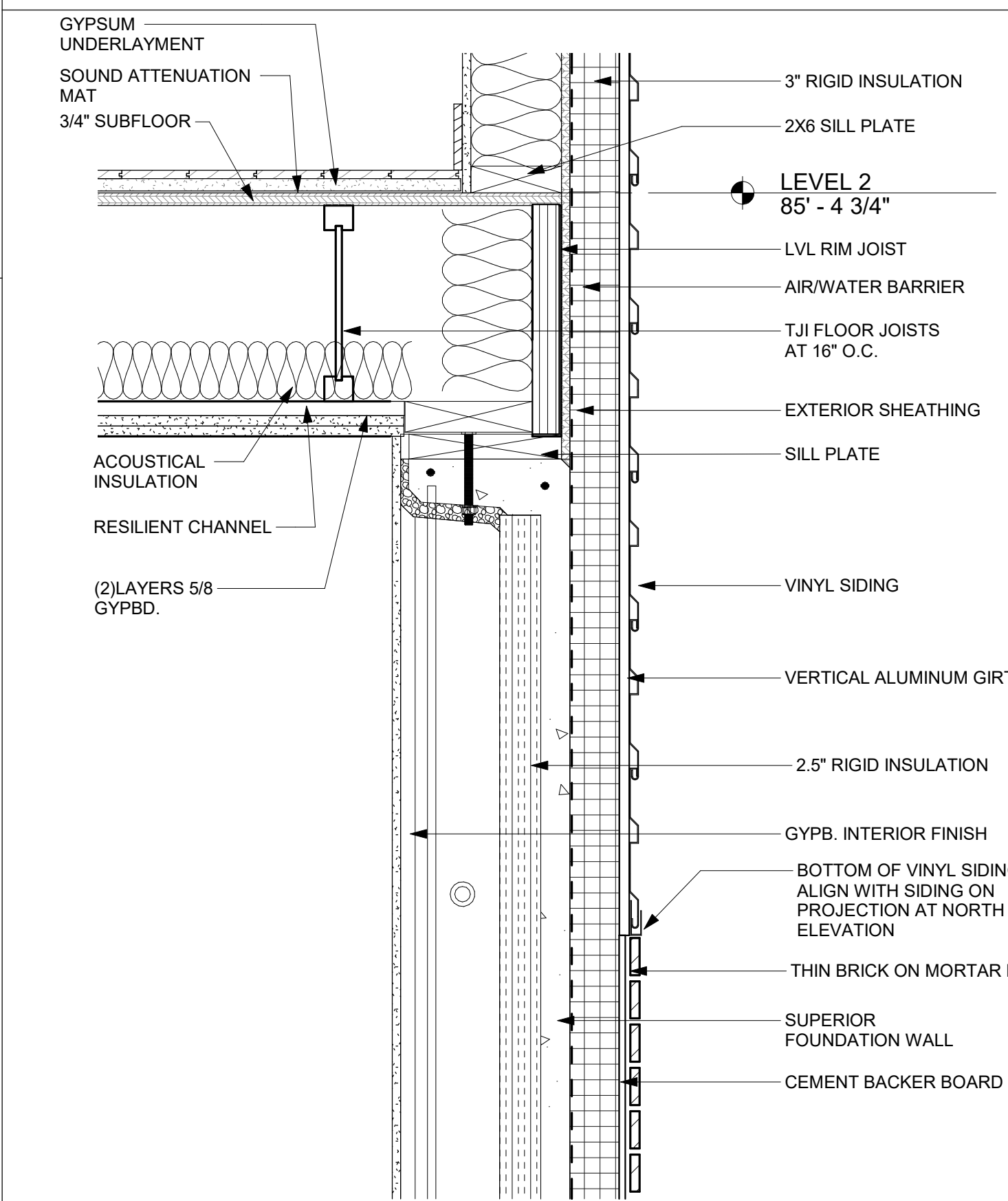
8 FOUNDATION WITH BRICK CLADDING  
1 1/2" = 1'-0"



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



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



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



PROJECT NAME  
**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  
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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

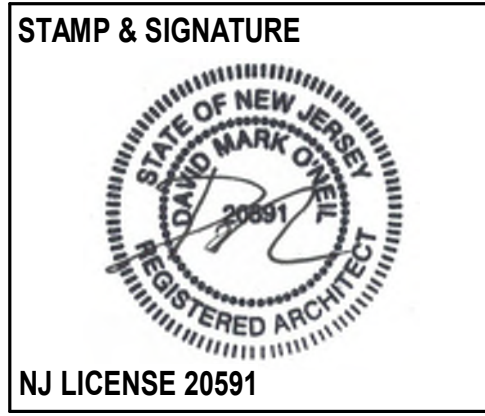
4	PROGRESS SET	11/15/2021
3	PROGRESS SET	09/27/2021
2	SITE PLAN REV. 1	12/15/2020

ISSUE/REVISION	DATE
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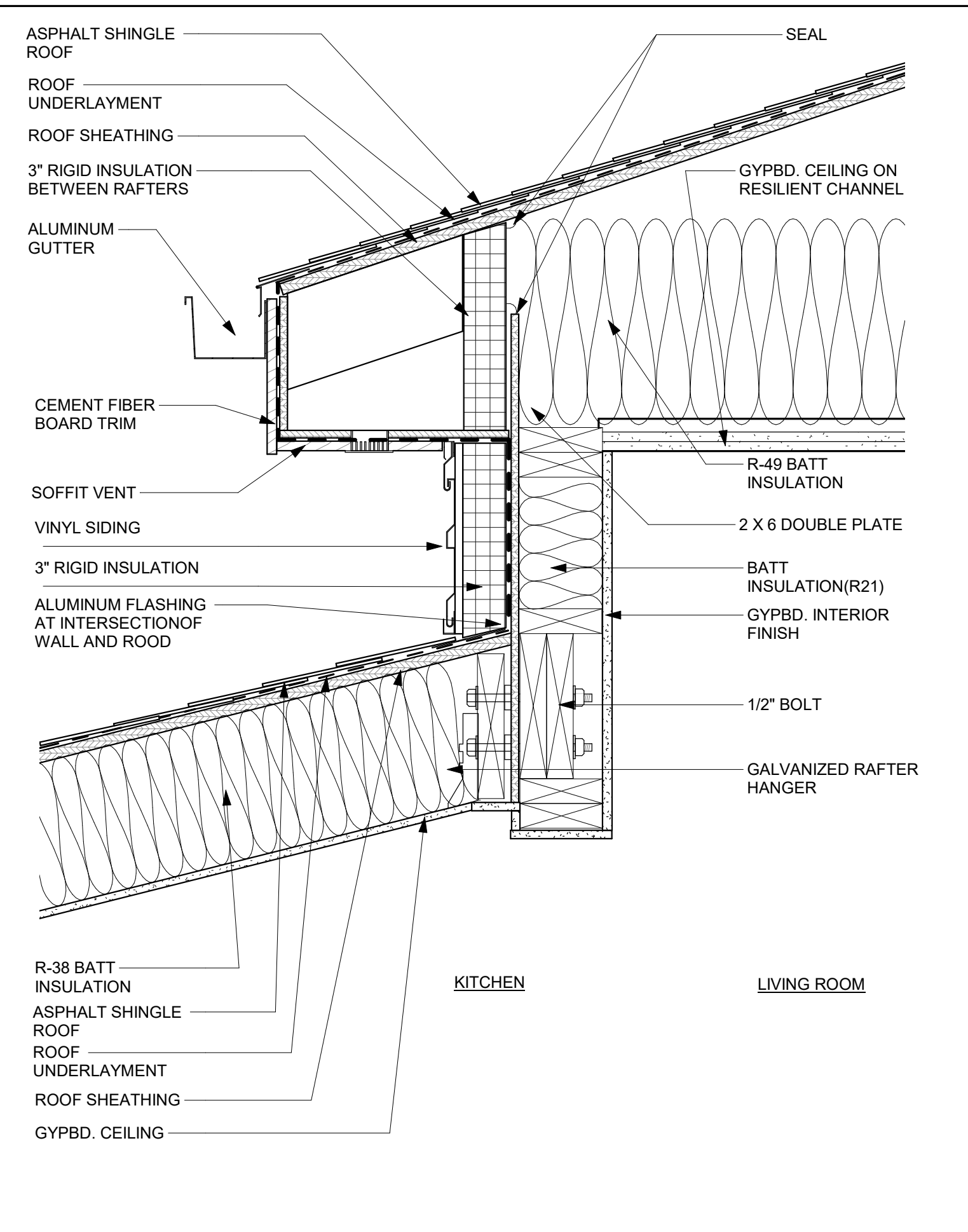
DRAWING TITLE  
**TYPICAL EXTERIOR WALL  
DETAILS**

DRAWING NO.  
**A-701**

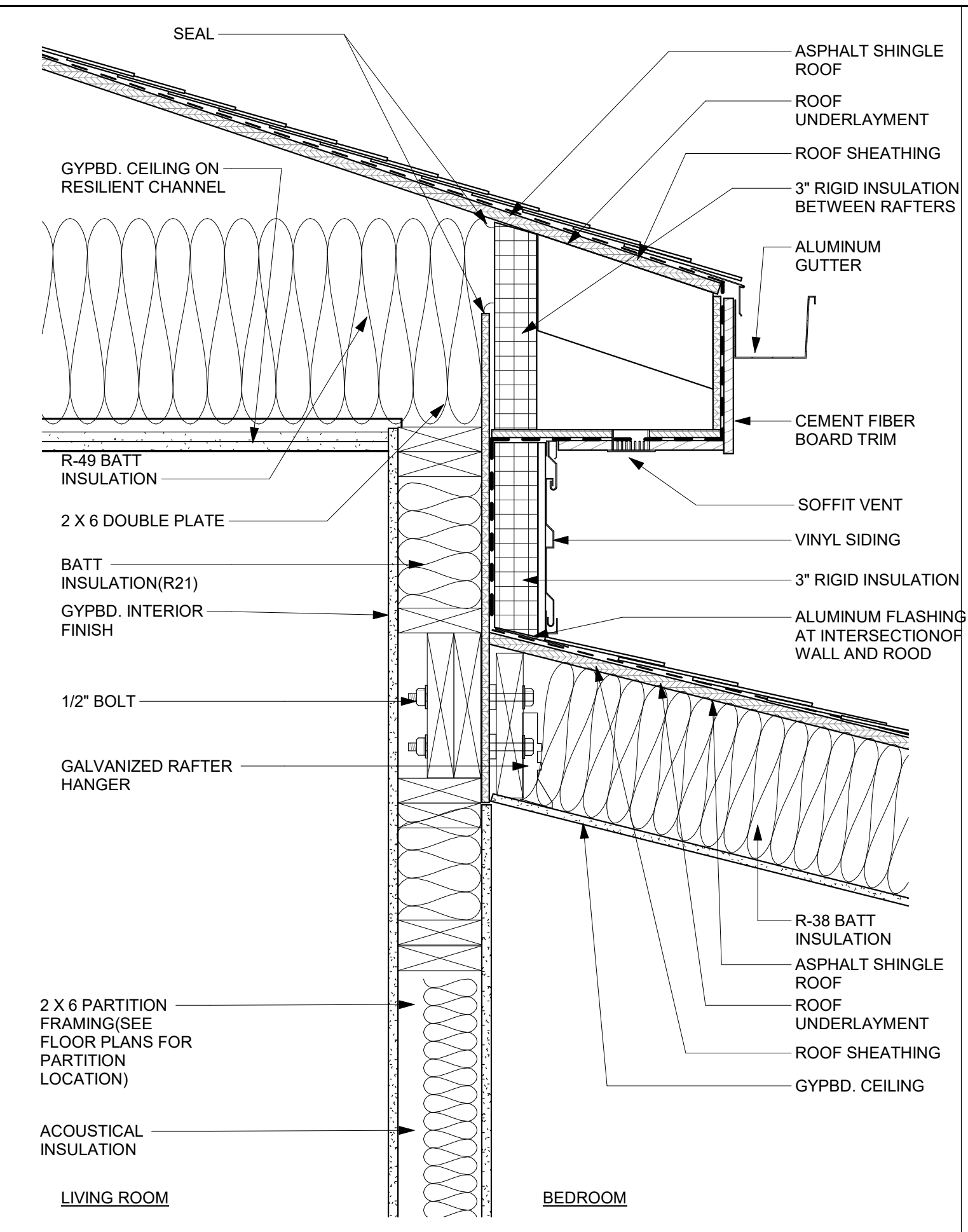
DATE: 11/15/21  
SCALE: 1 1/2" = 1'-0"



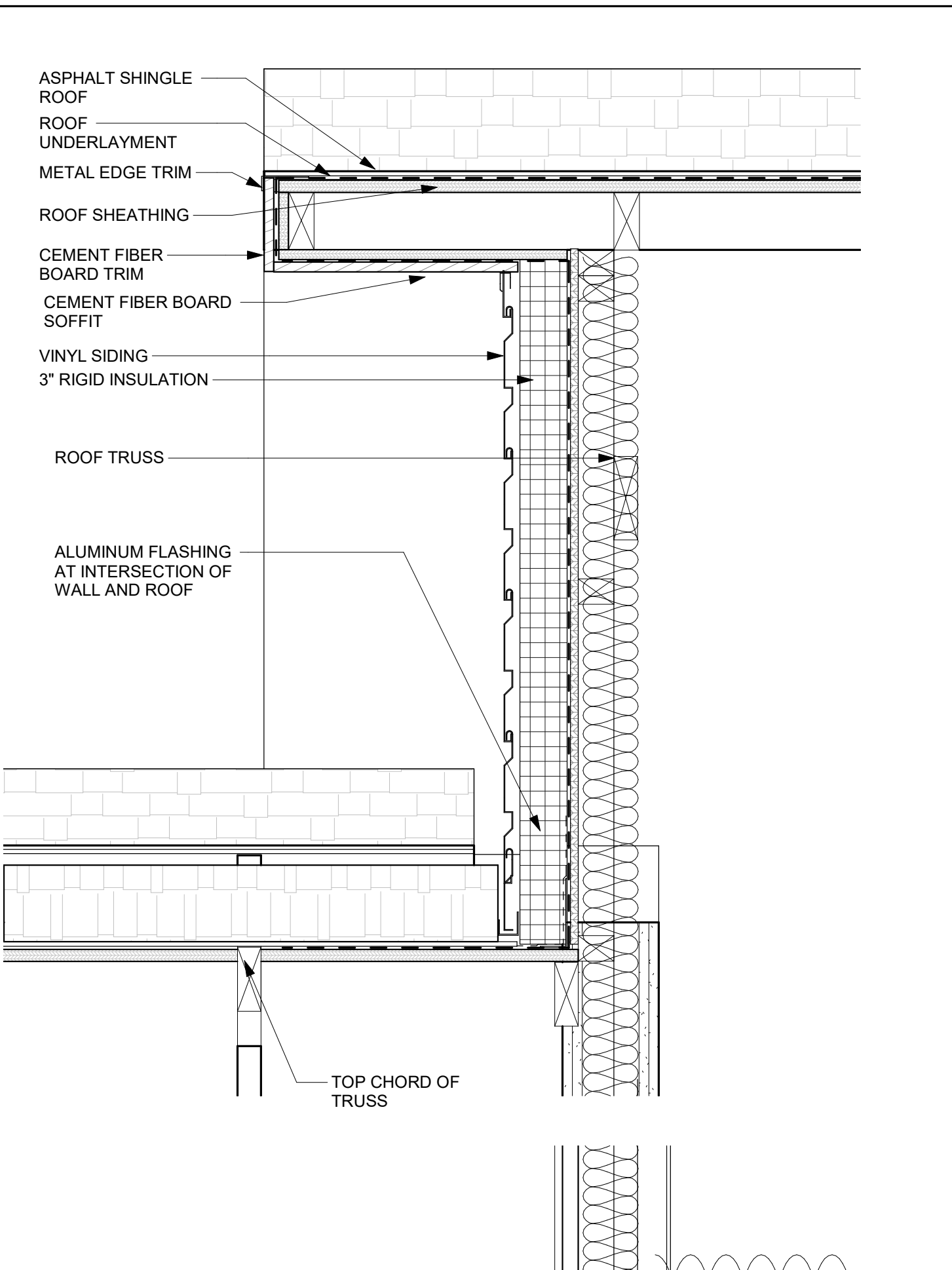
NJ LICENSE 20591



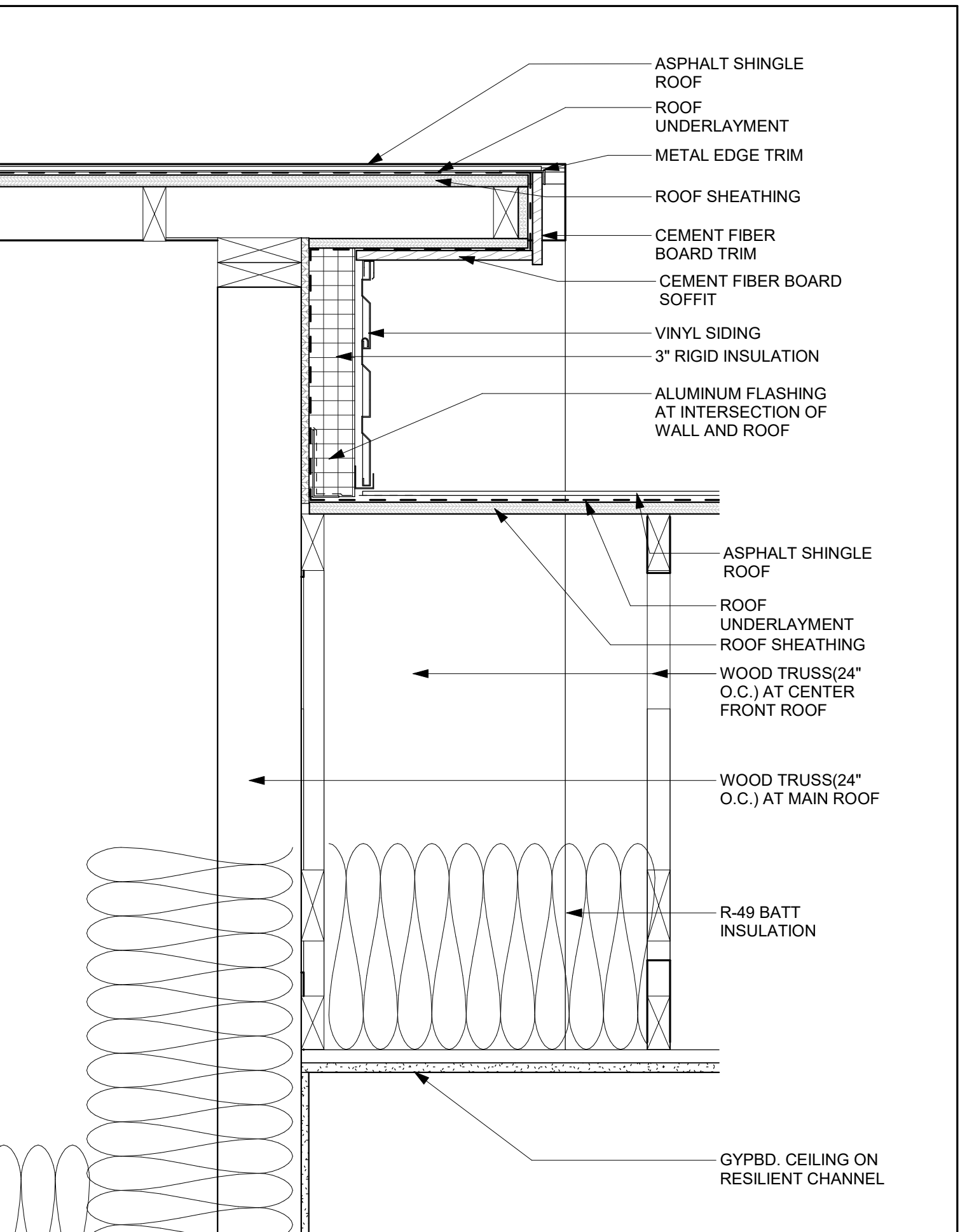
1 SECTION DETAIL AT WEST FRONT ROOF TRANSITION  
 1 1/2" = 1'-0"



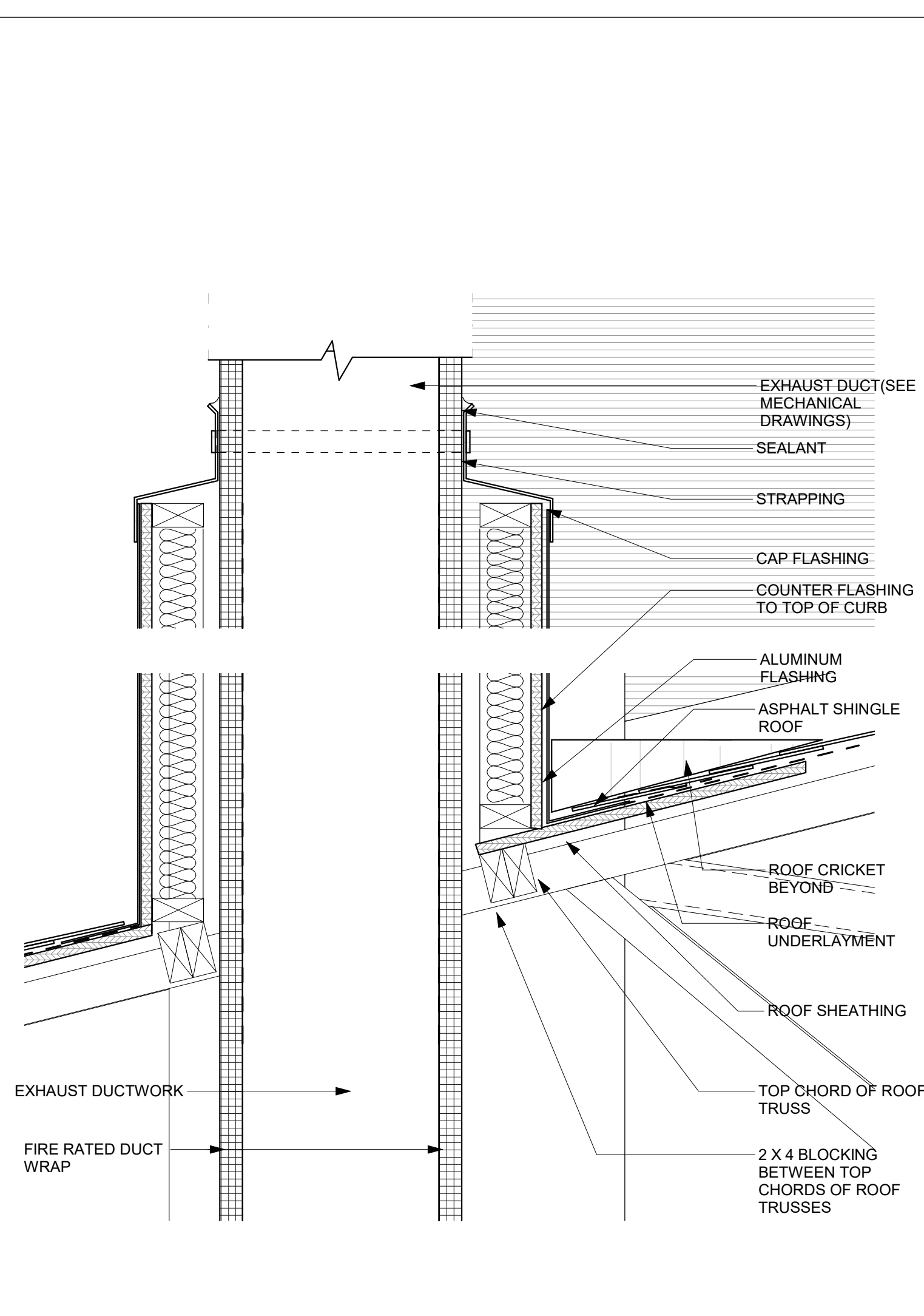
2 SECTION DETAIL AT EAST FRONT ROOF TRANSITION  
 1 1/2" = 1'-0"



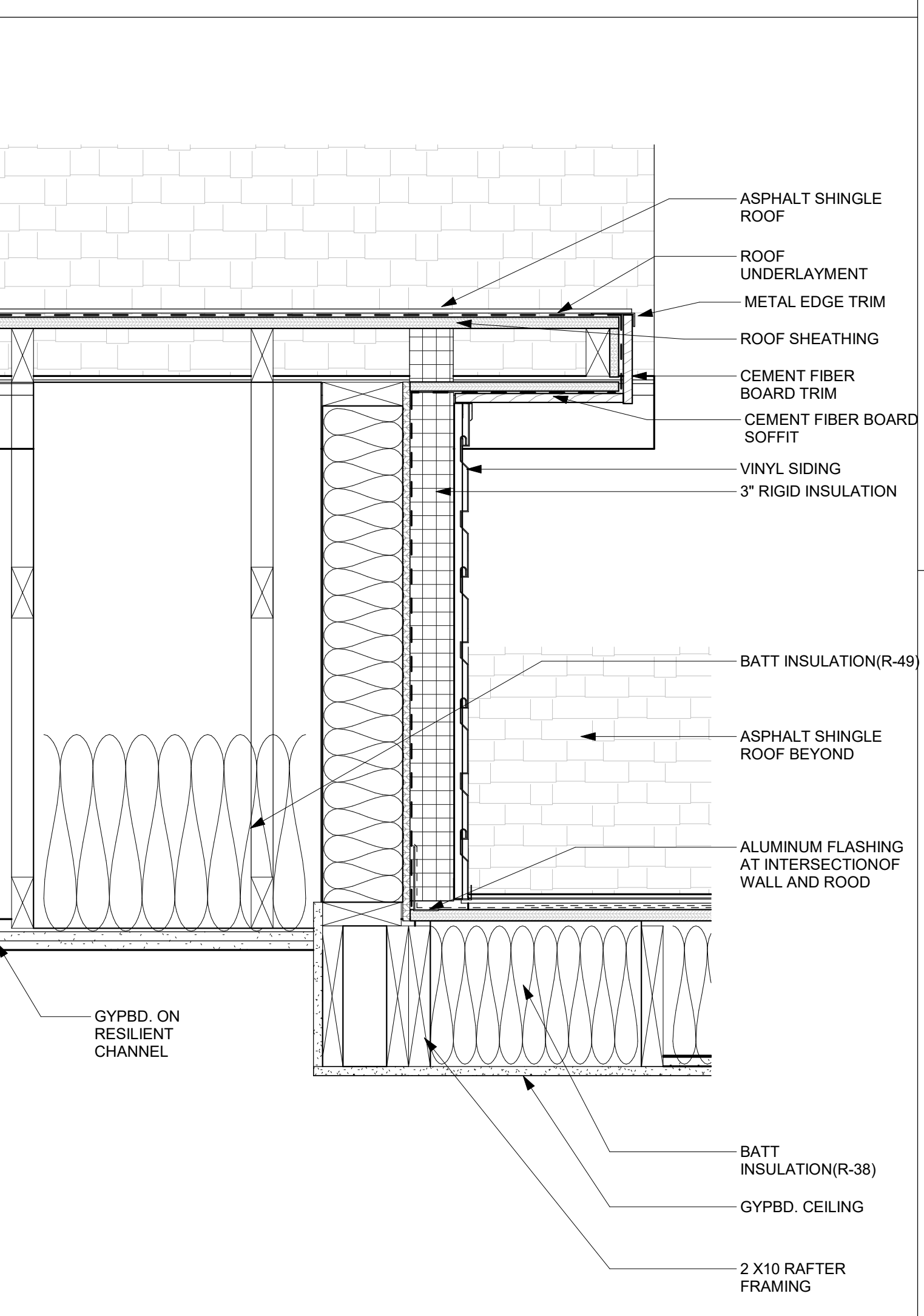
3 SECTION DETAIL AT MAIN ROOF (REAR)  
 1 1/2" = 1'-0"



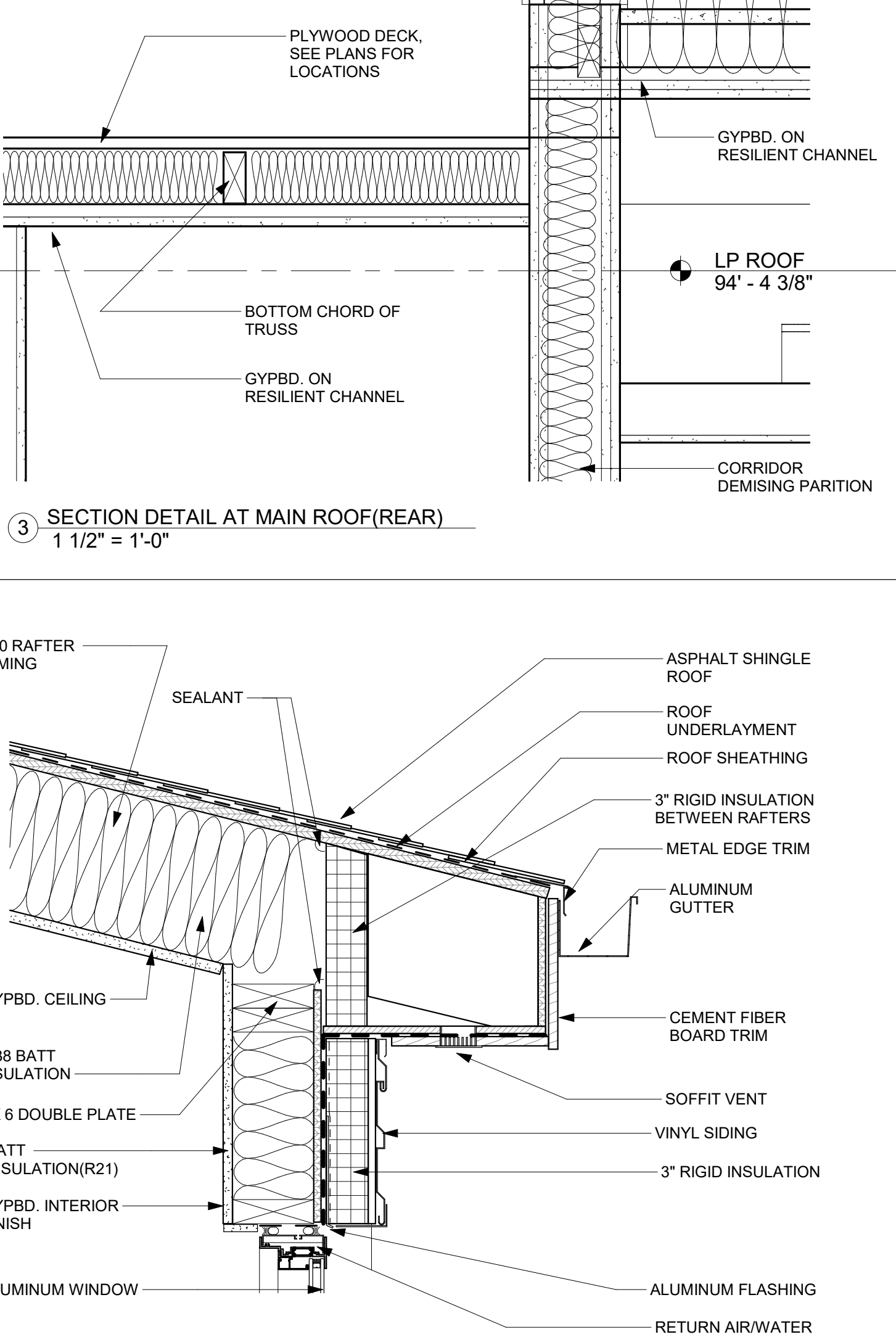
4 SECTION DETAIL AT MAIN ROOF (FRONT)  
 1 1/2" = 1'-0"



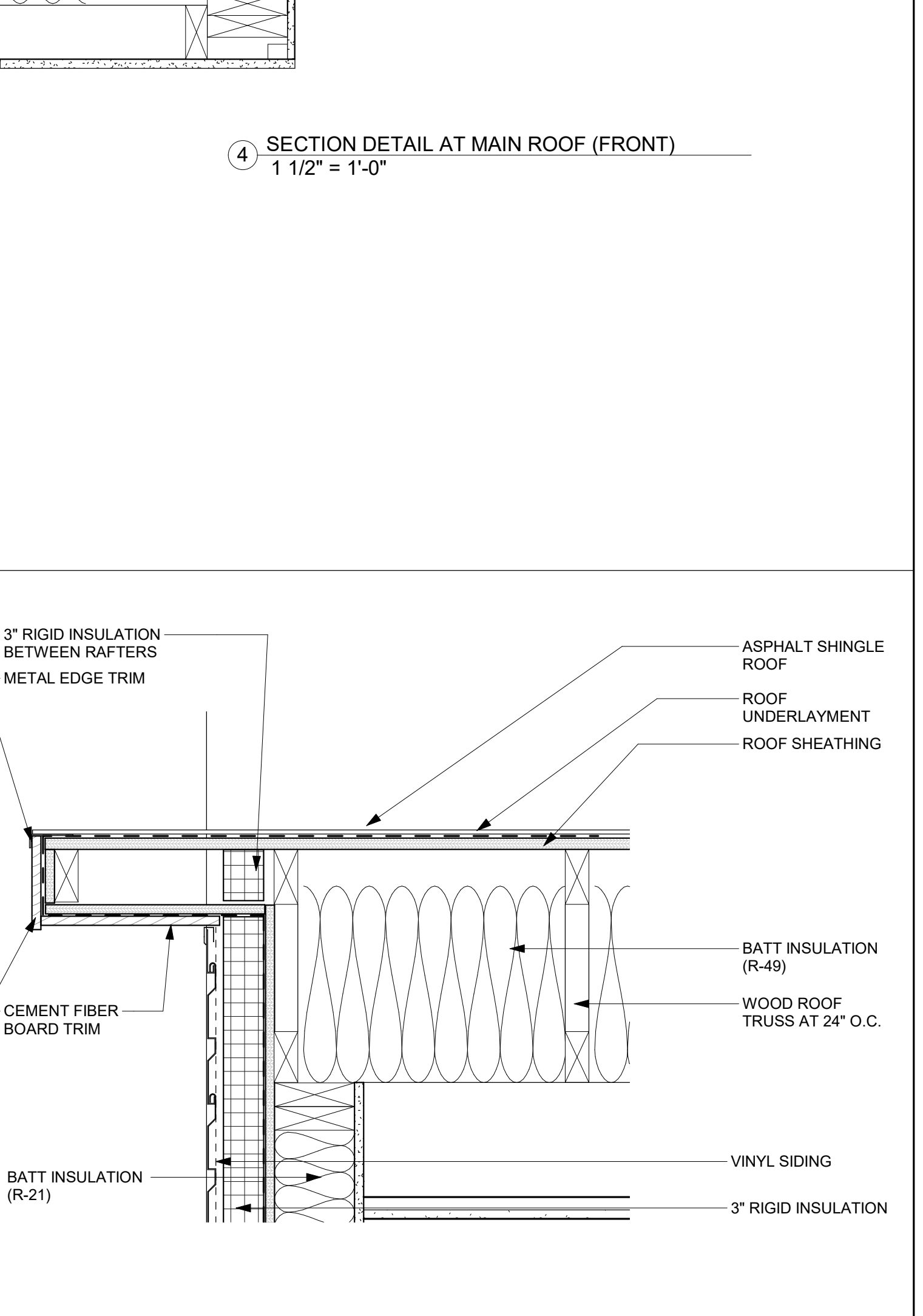
5 SECTION DETAIL AT EXHAUST FANS  
 1 1/2" = 1'-0"



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



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



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

3	PROGRESS SET	09/27/2021
ISSUE/REVISION	DATE	
DRAWING TITLE		
<b>TYPICAL ROOF DETAILS</b>		
DRAWING NO.		
<b>A-702</b>		
DATE: 11/15/21		
SCALE: 1 1/2" = 1'-0"		
STAMP & SIGNATURE		

NJ LICENSE 20591



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

PROJECT NAME

135 SUMMER STREET  
PASSAIC NJ 07055

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4 PROGRESS SET 11/15/2021

3 PROGRESS SET 09/27/2021

ISSUE/REVISION DATE

DRAWING TITLE

TYPICAL SECTION  
DETAILS

DRAWING NO.

A-703

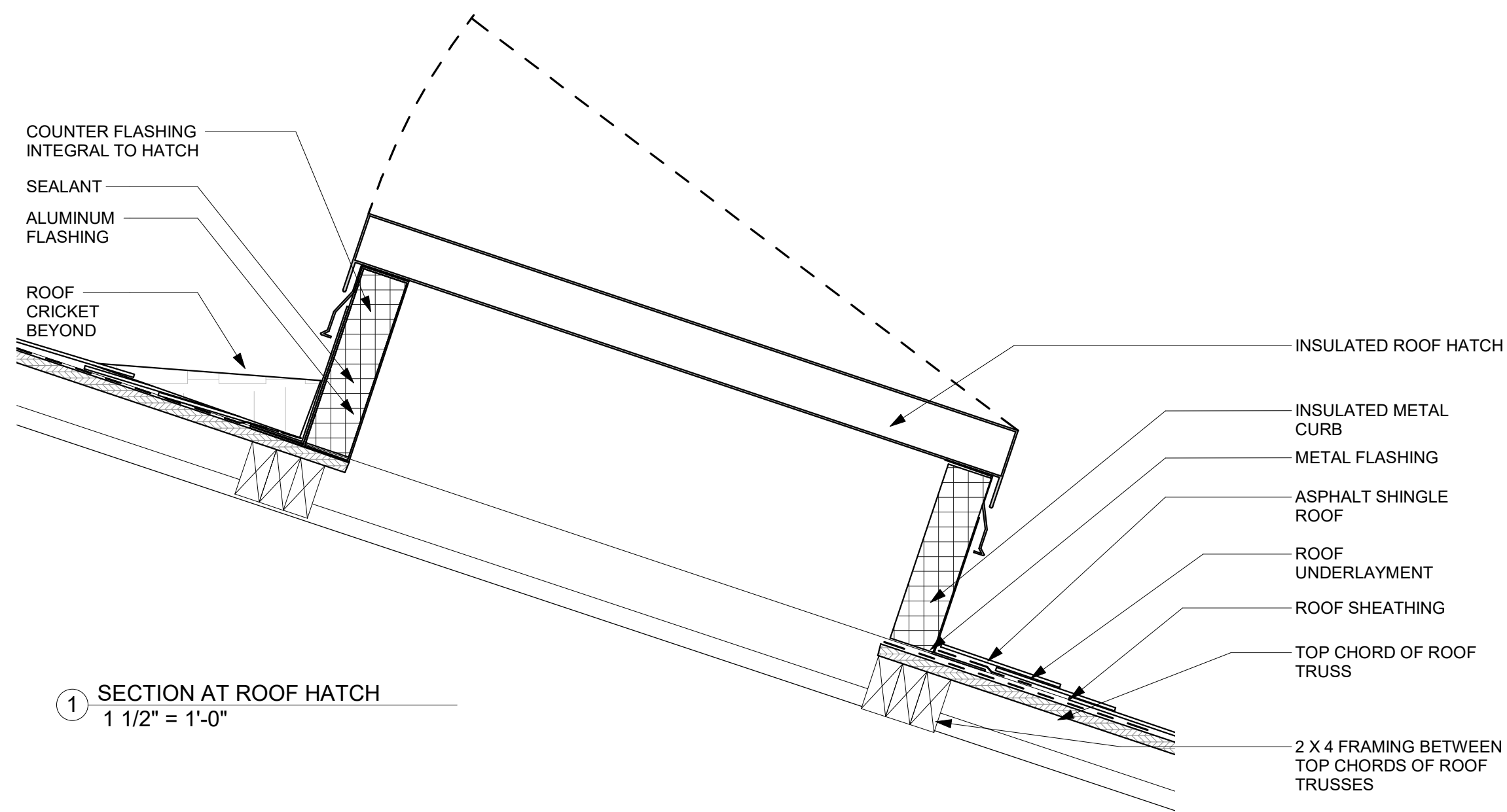
DATE: 11/15/21

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

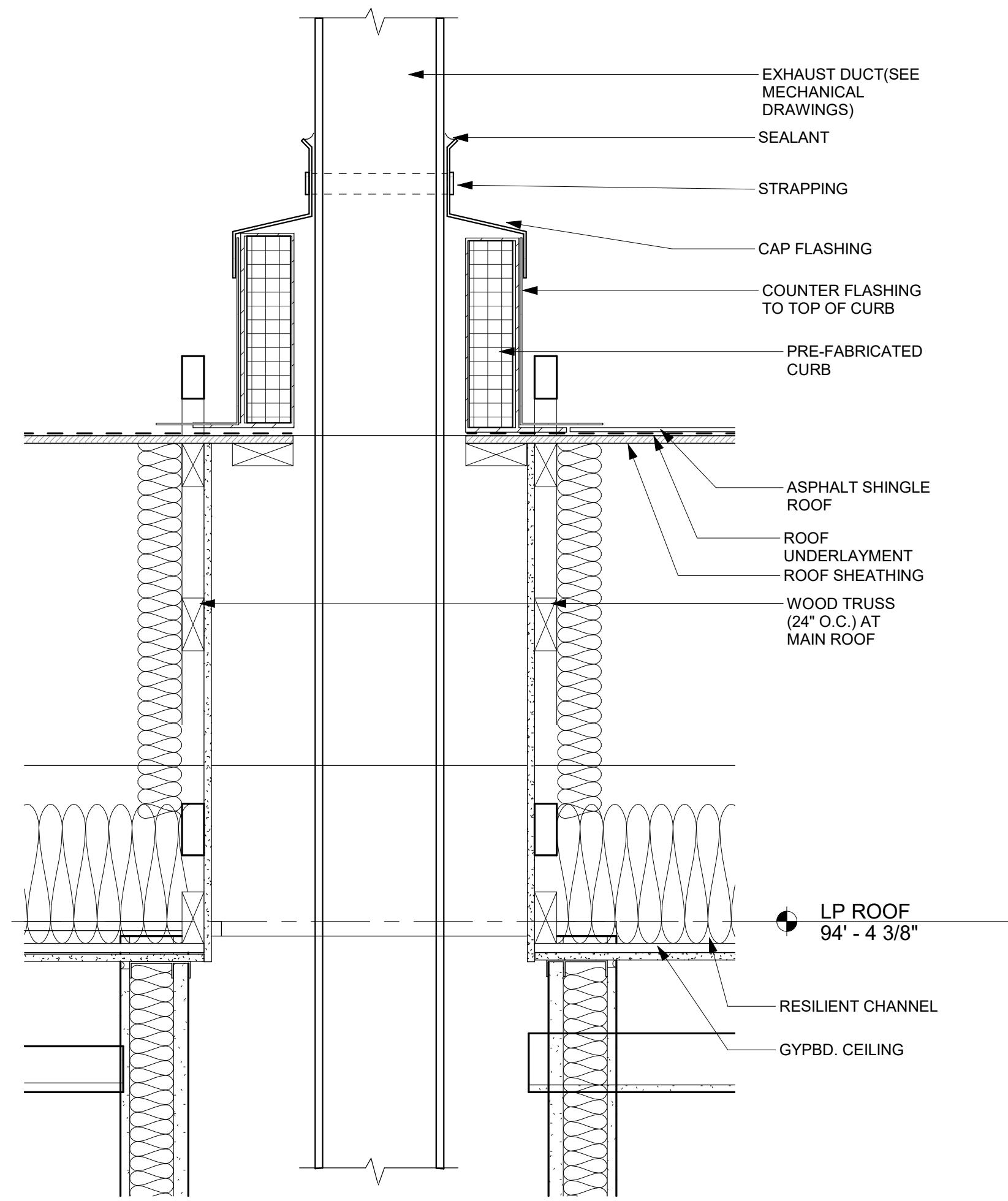
STAMP & SIGNATURE



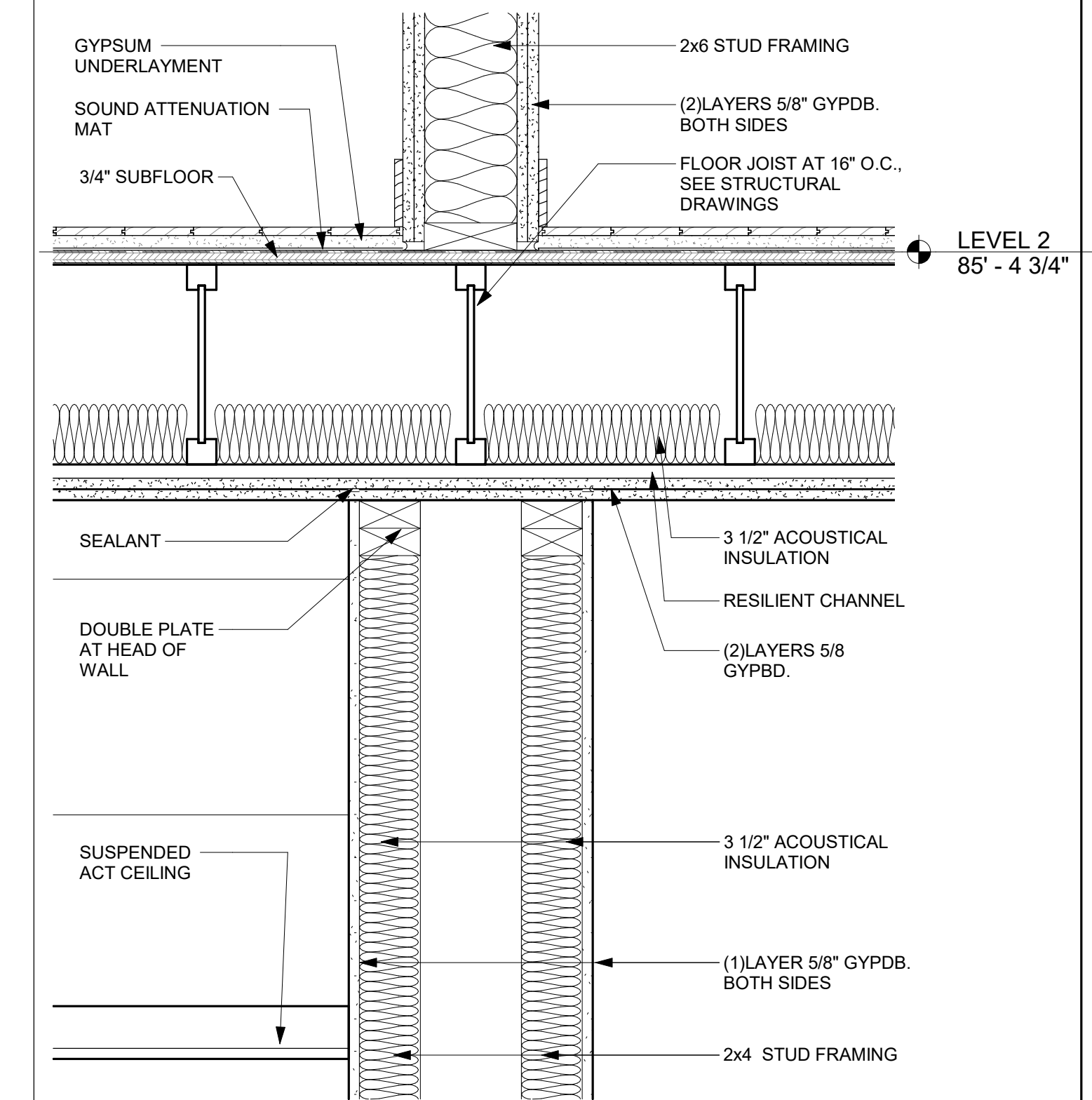
NJ LICENSE 20591



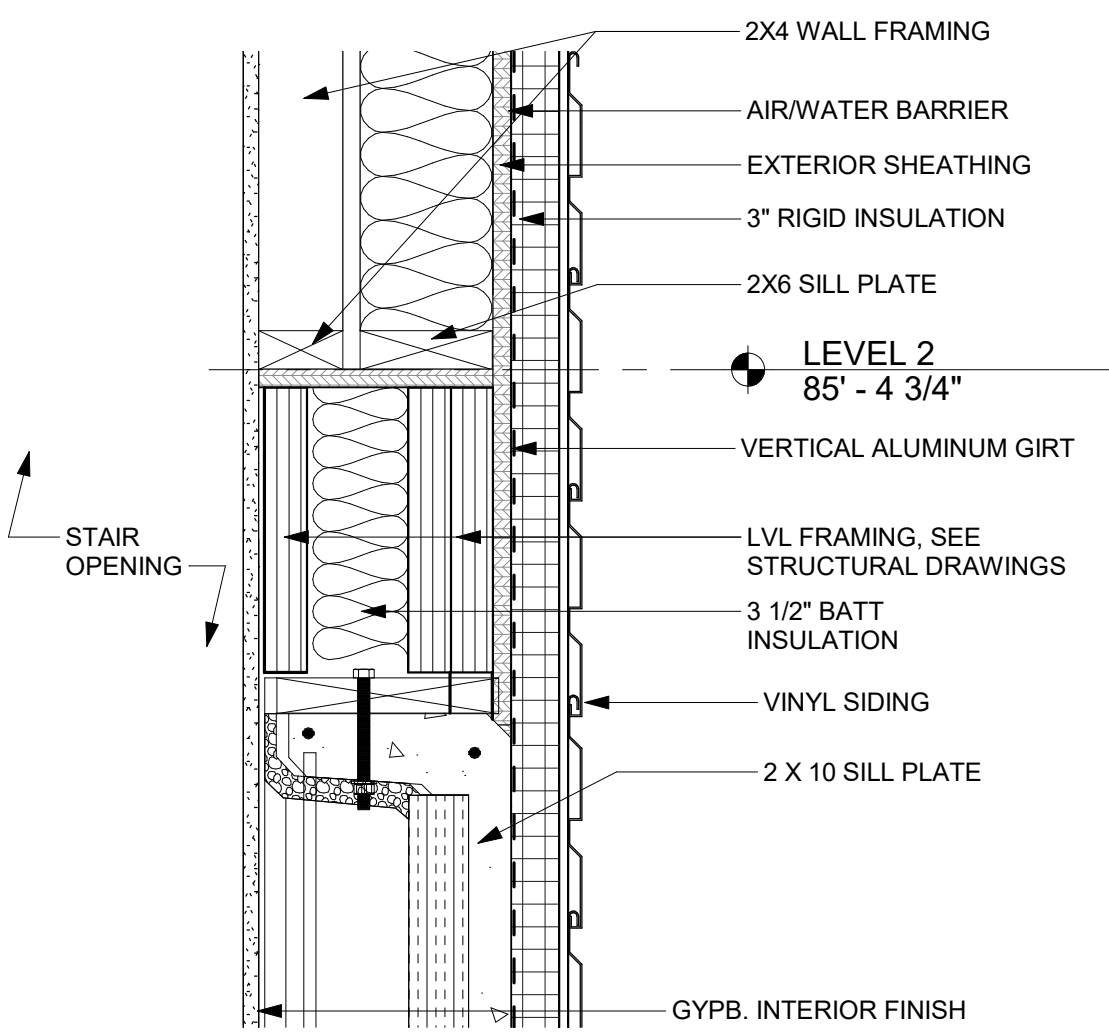
1 SECTION AT ROOF HATCH  
1 1/2" = 1'-0"



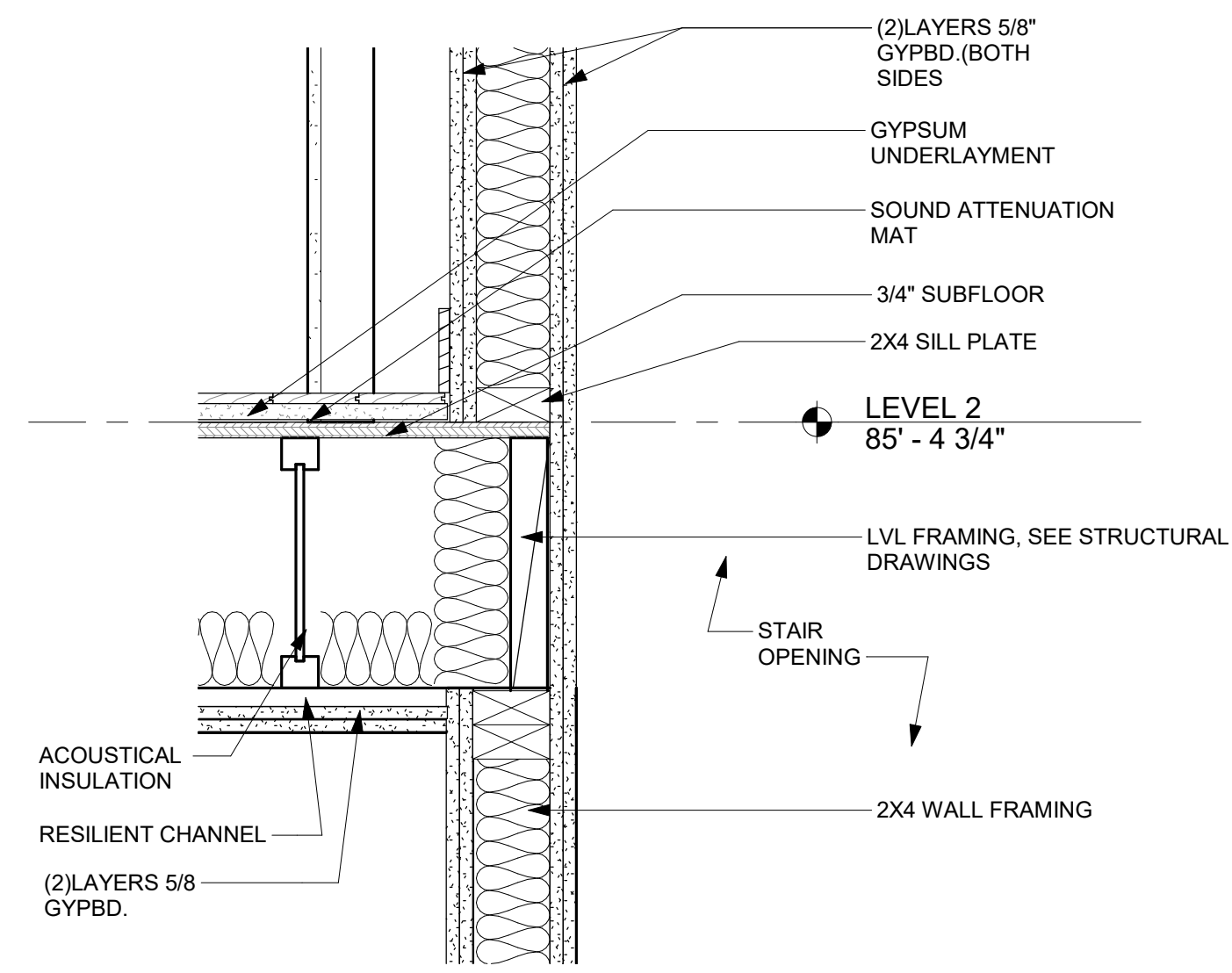
2 SHAFT AT UNDERSIDE OF ROOF  
1 1/2" = 1'-0"



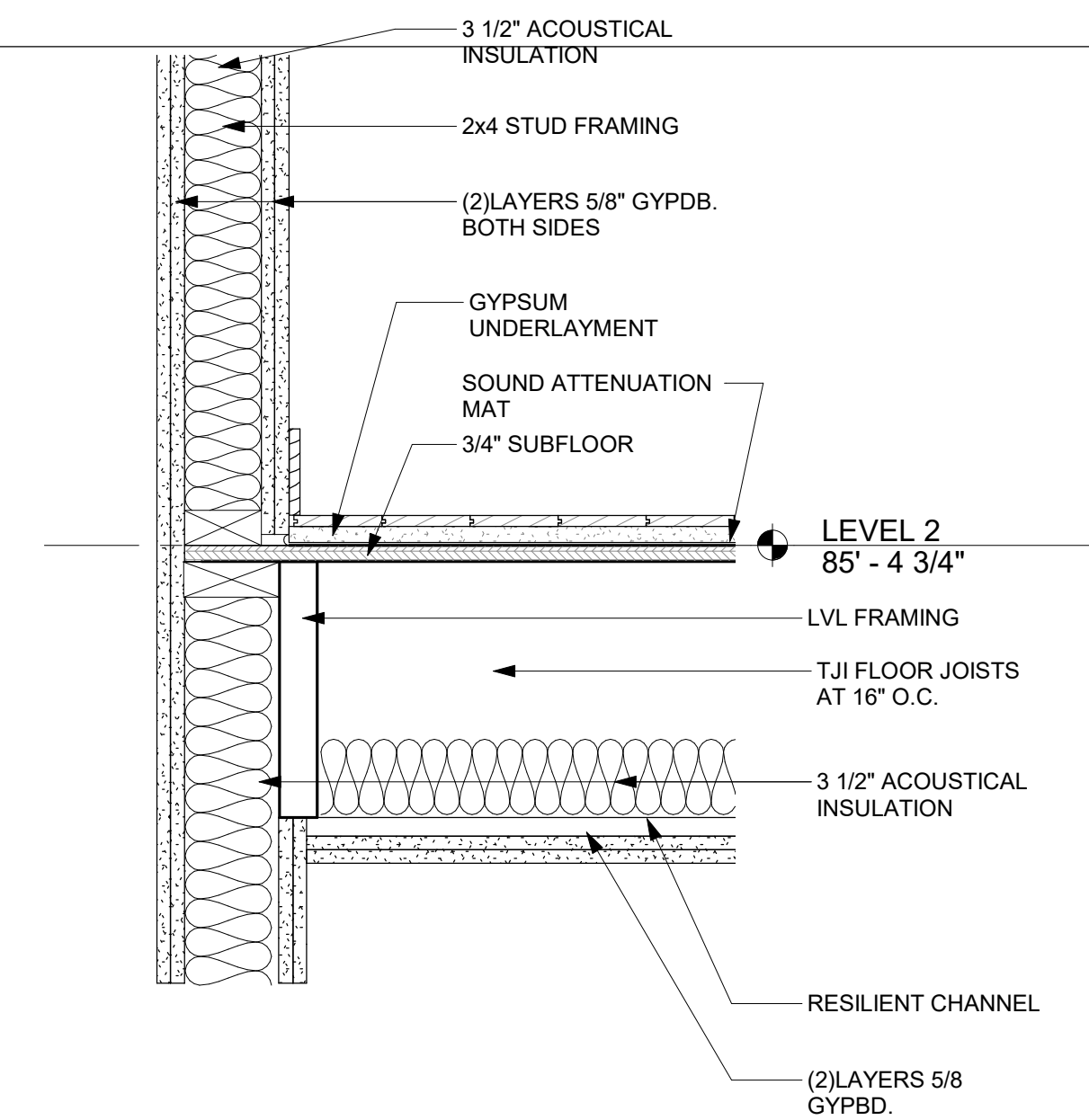
3 SECTION AT CENTER WALL  
1 1/2" = 1'-0"



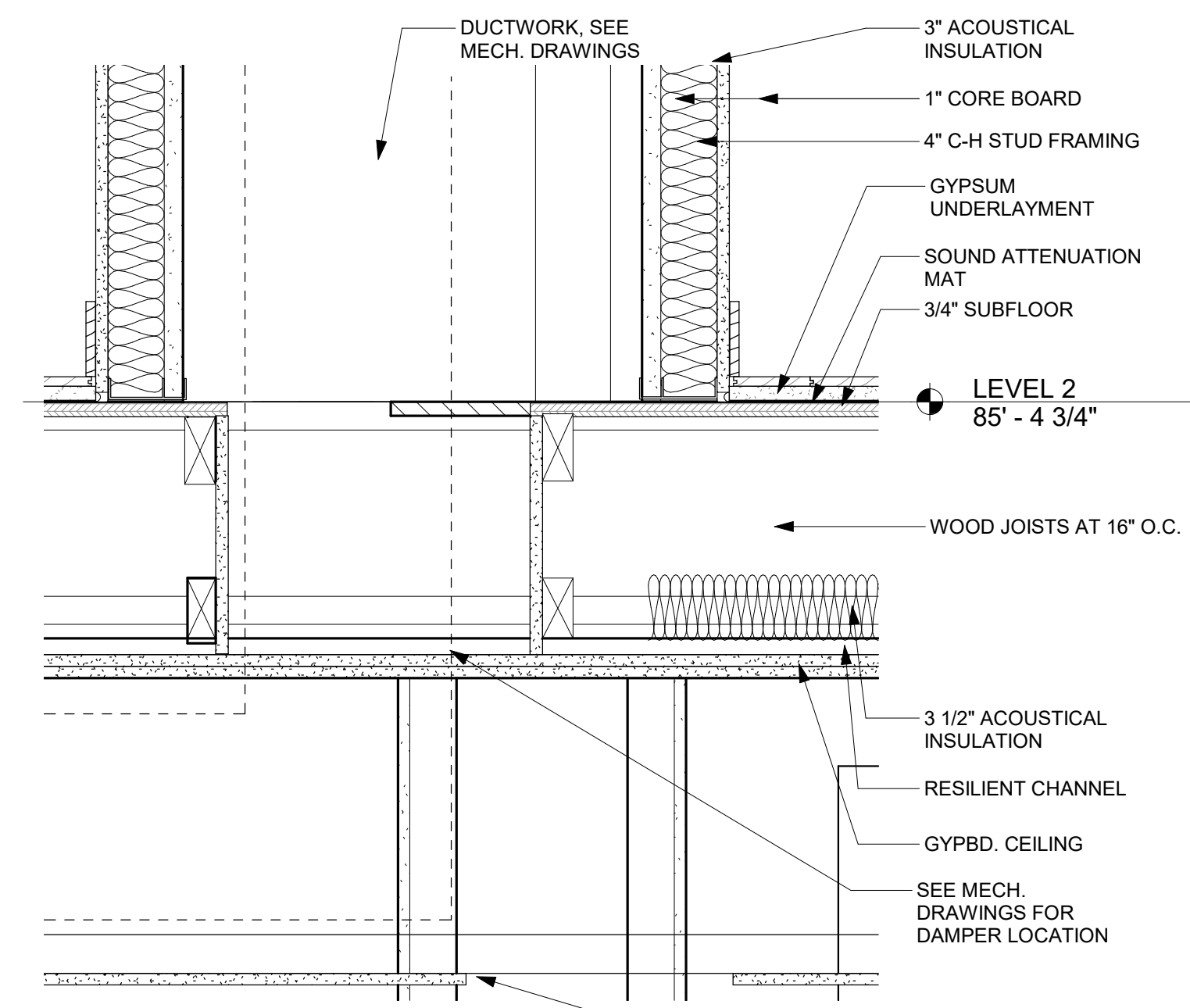
4 EXTERIOR WALL SECTION AT STAIR OPENING  
1 1/2" = 1'-0"



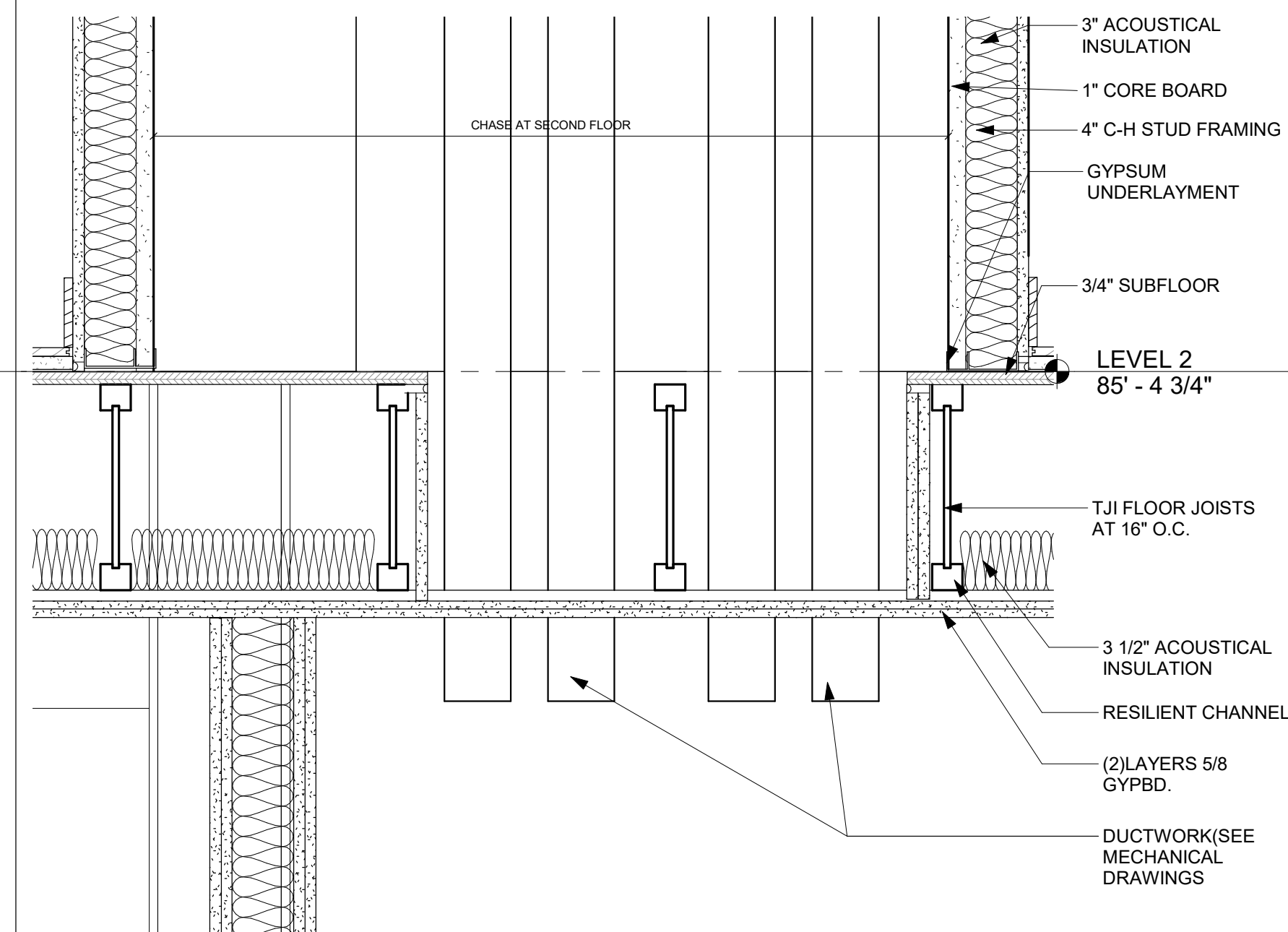
5 SECTION AT STAIR OPENING - SECOND FLOOR  
1 1/2" = 1'-0"



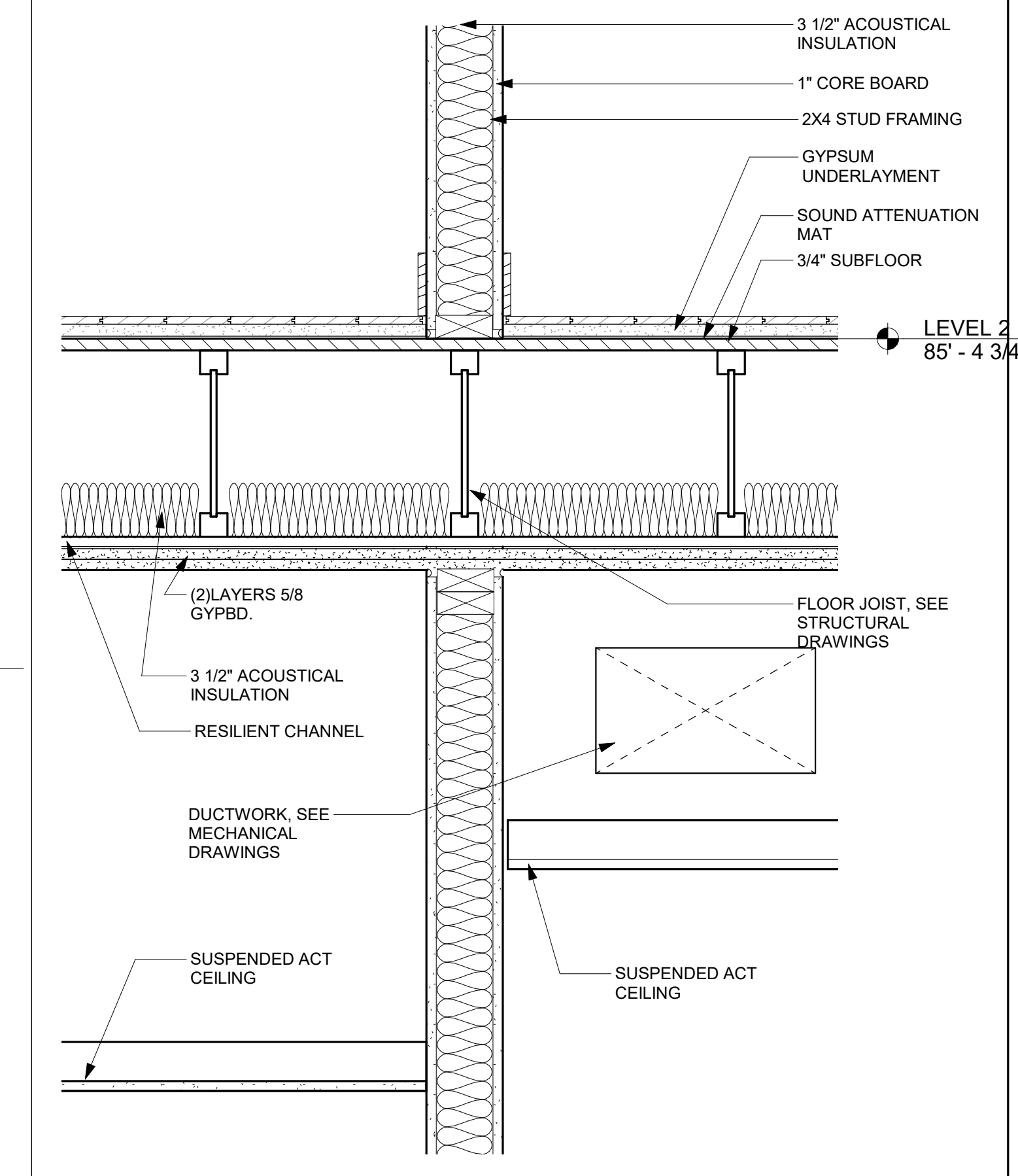
6 SECTION AT STAIR OPENING  
1 1/2" = 1'-0"



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

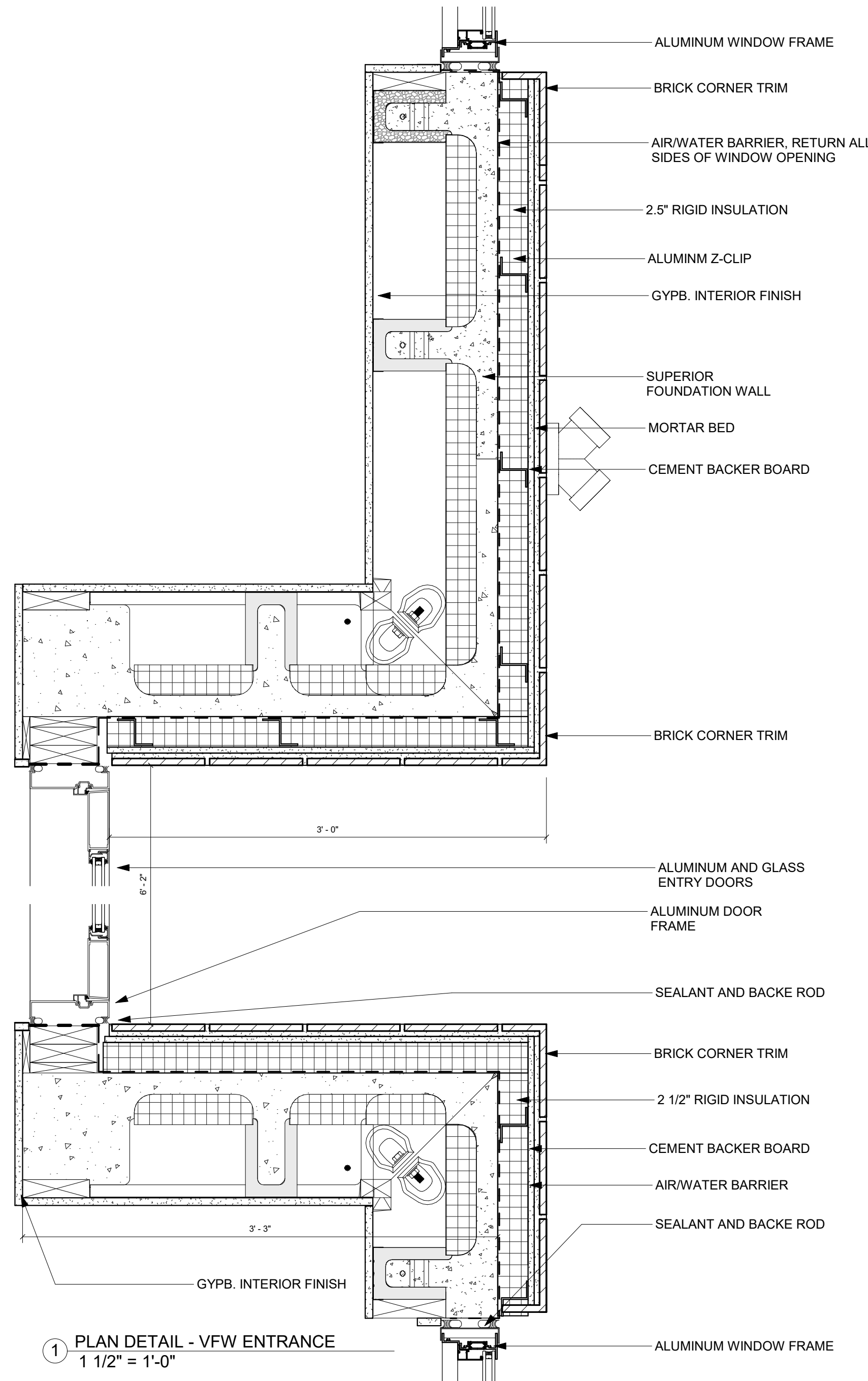


8 SECTION AT SHAFT OPENING  
1 1/2" = 1'-0"

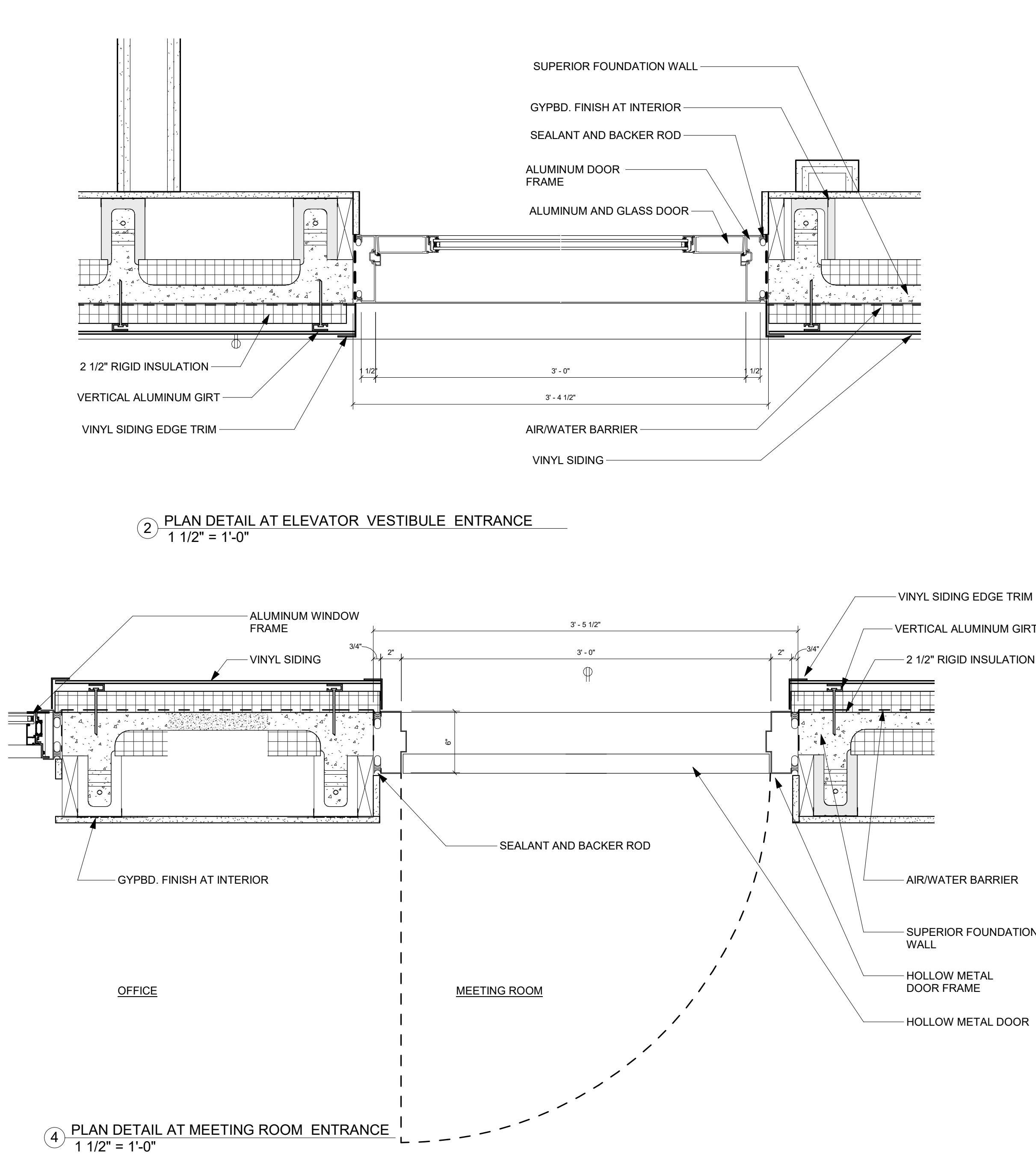


9 SECTION AT COLUMN LINE  
1 1/2" = 1'-0"

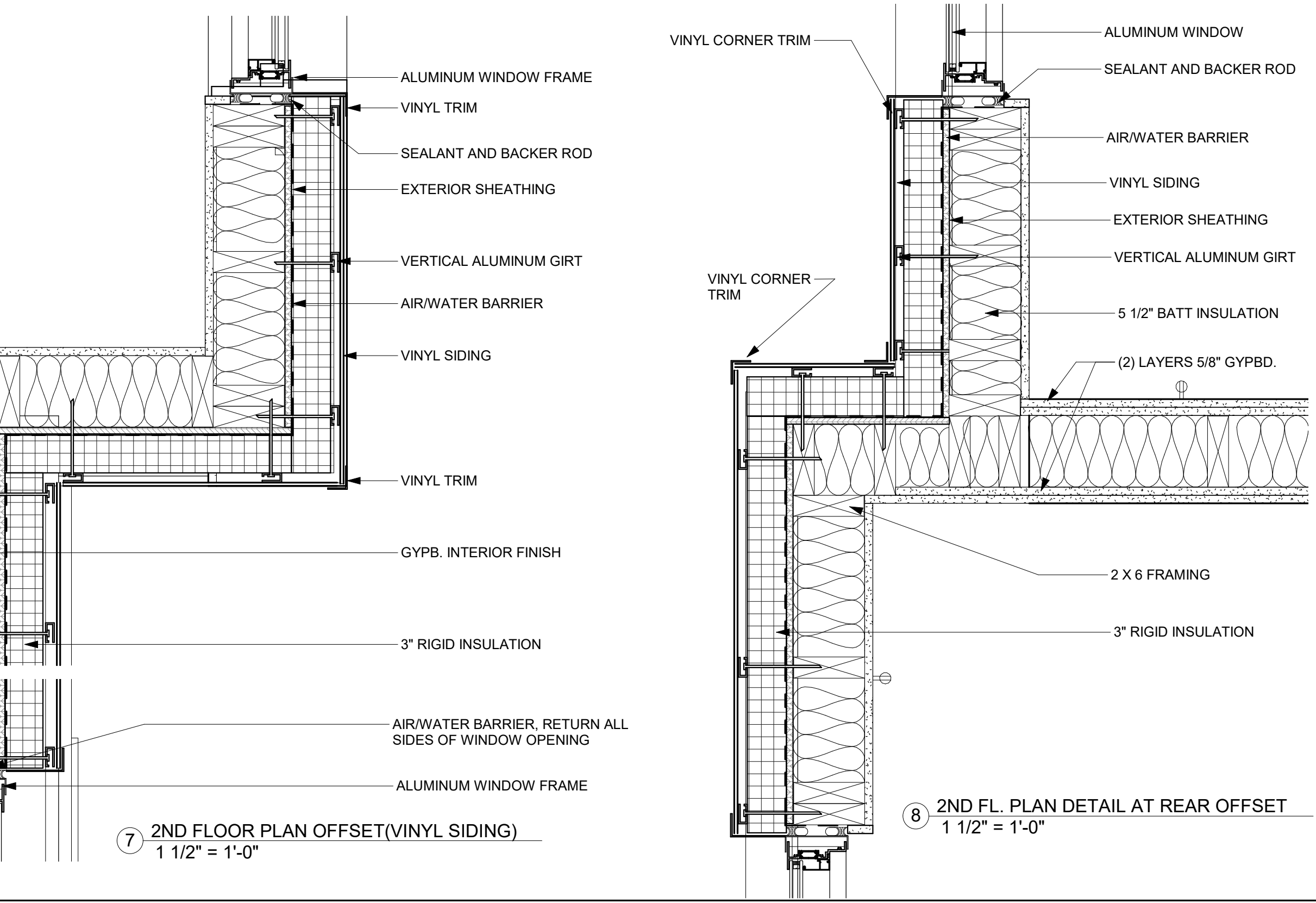




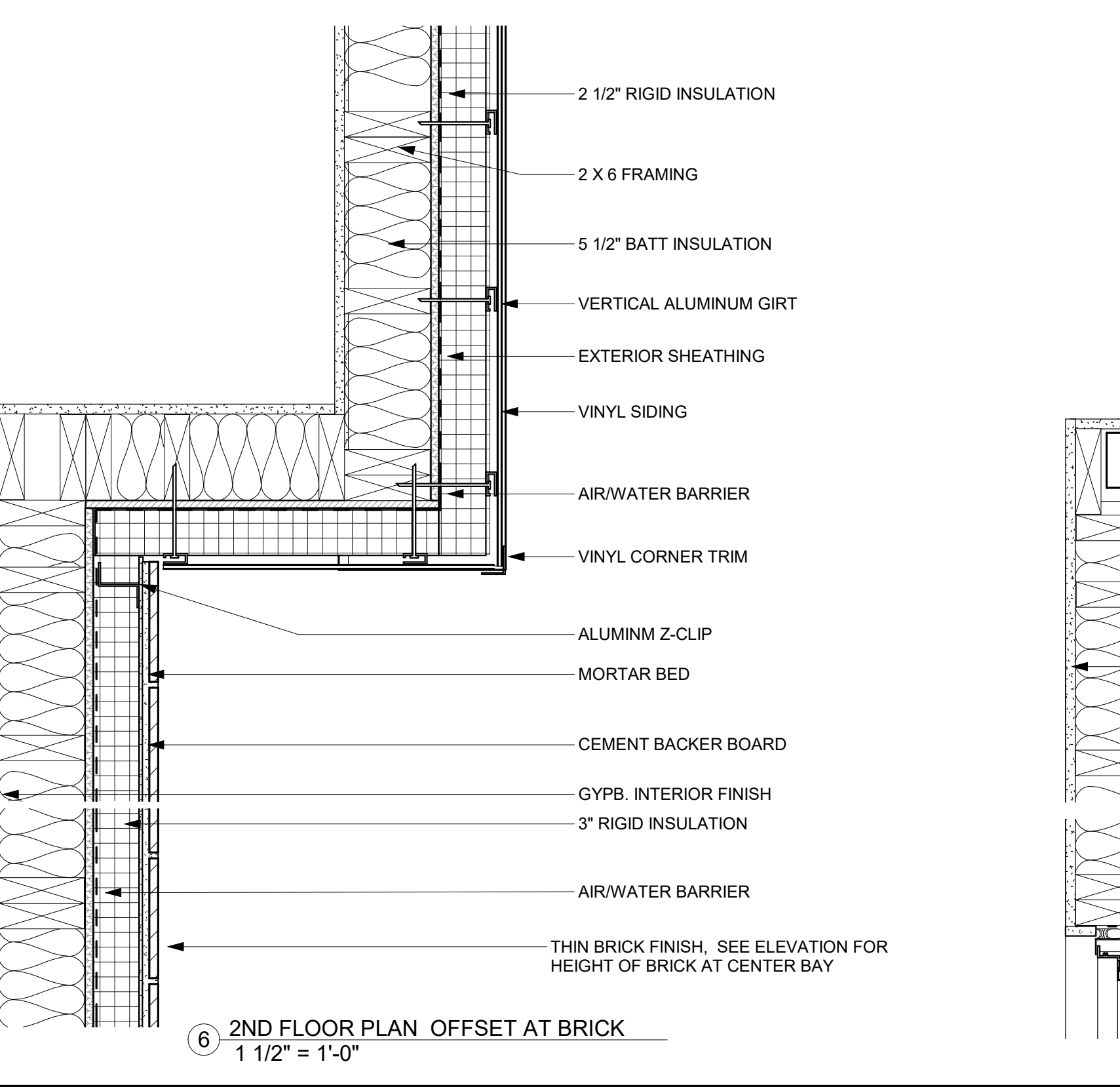
1 PLAN DETAIL - VFW ENTRANCE  
1 1/2" = 1'-0"



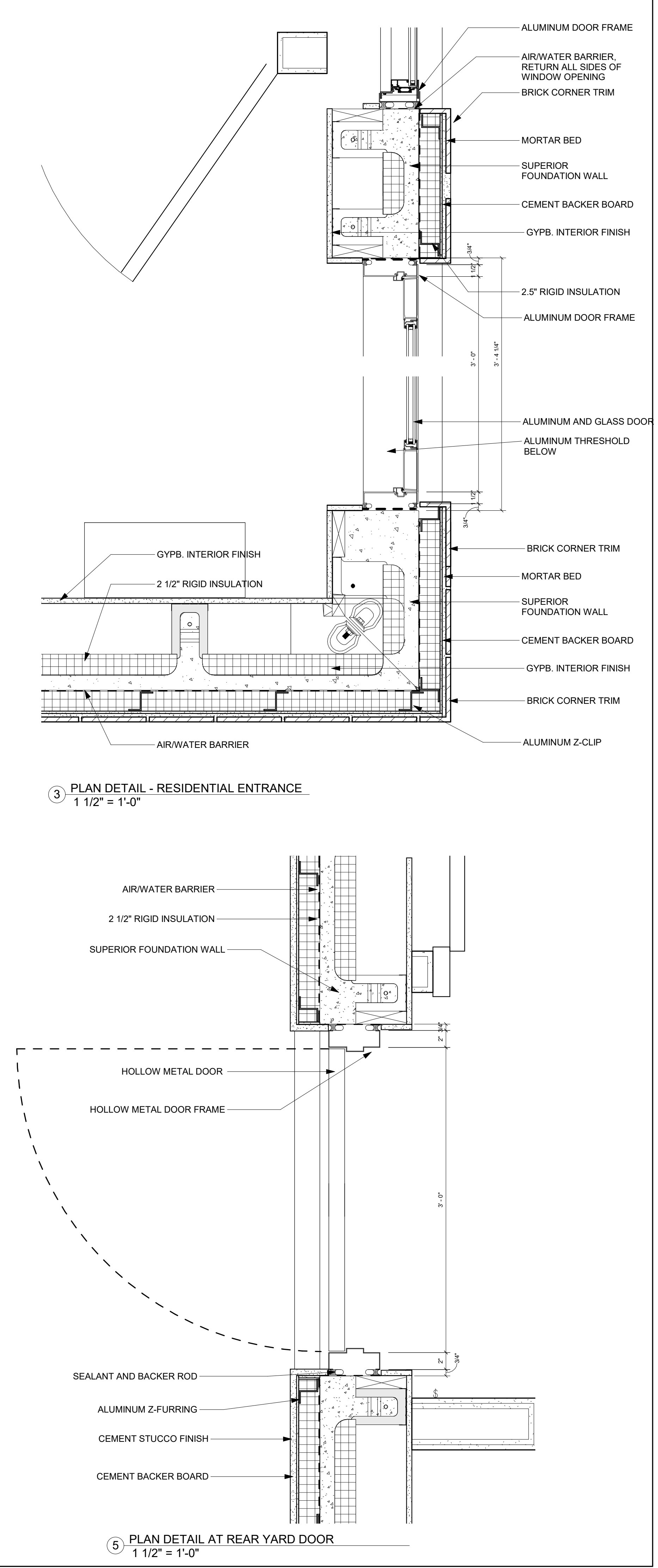
2 PLAN DETAIL AT ELEVATOR VESTIBULE ENTRANCE  
1 1/2" = 1'-0"



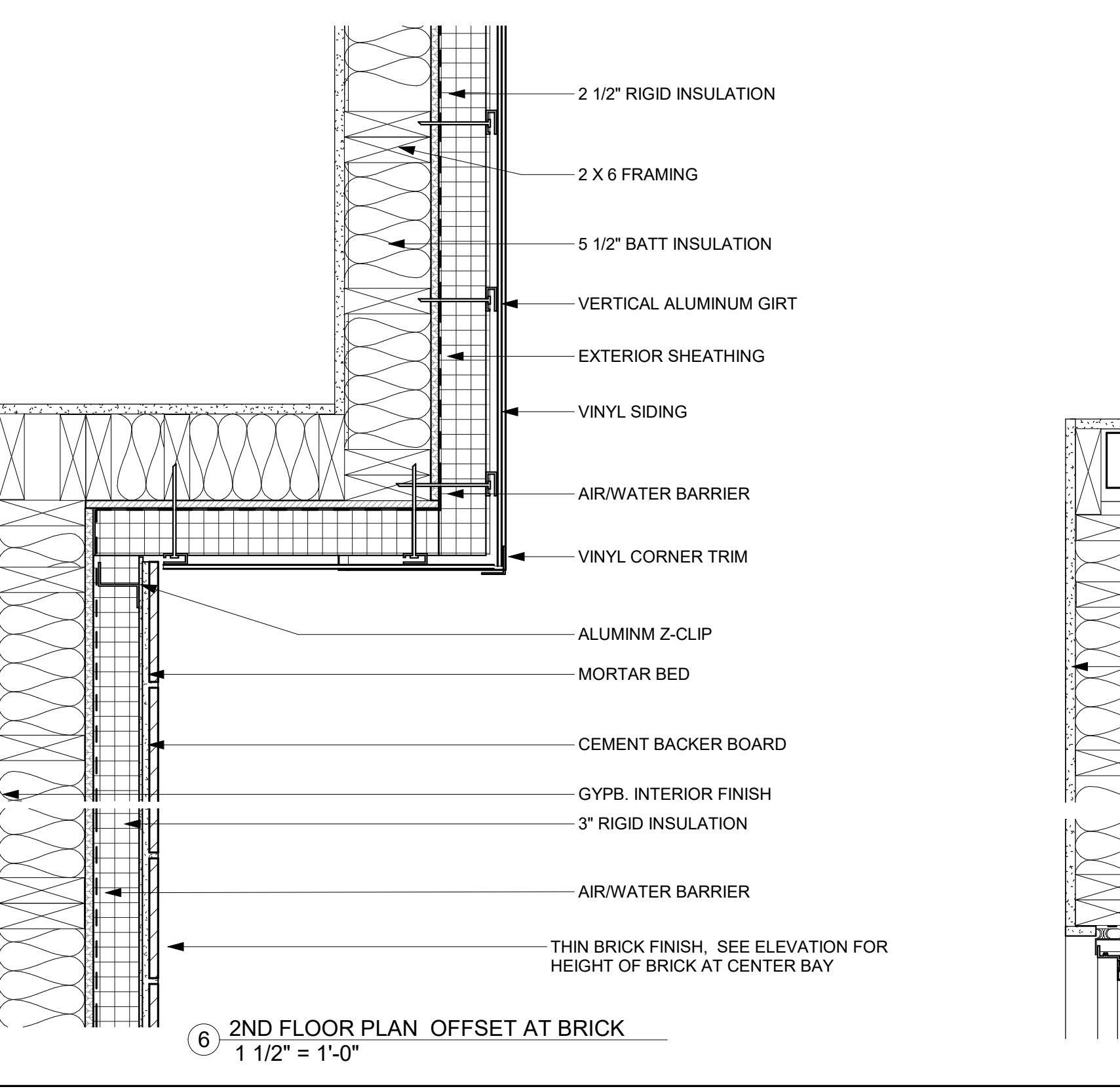
3 PLAN DETAIL - RESIDENTIAL ENTRANCE  
1 1/2" = 1'-0"



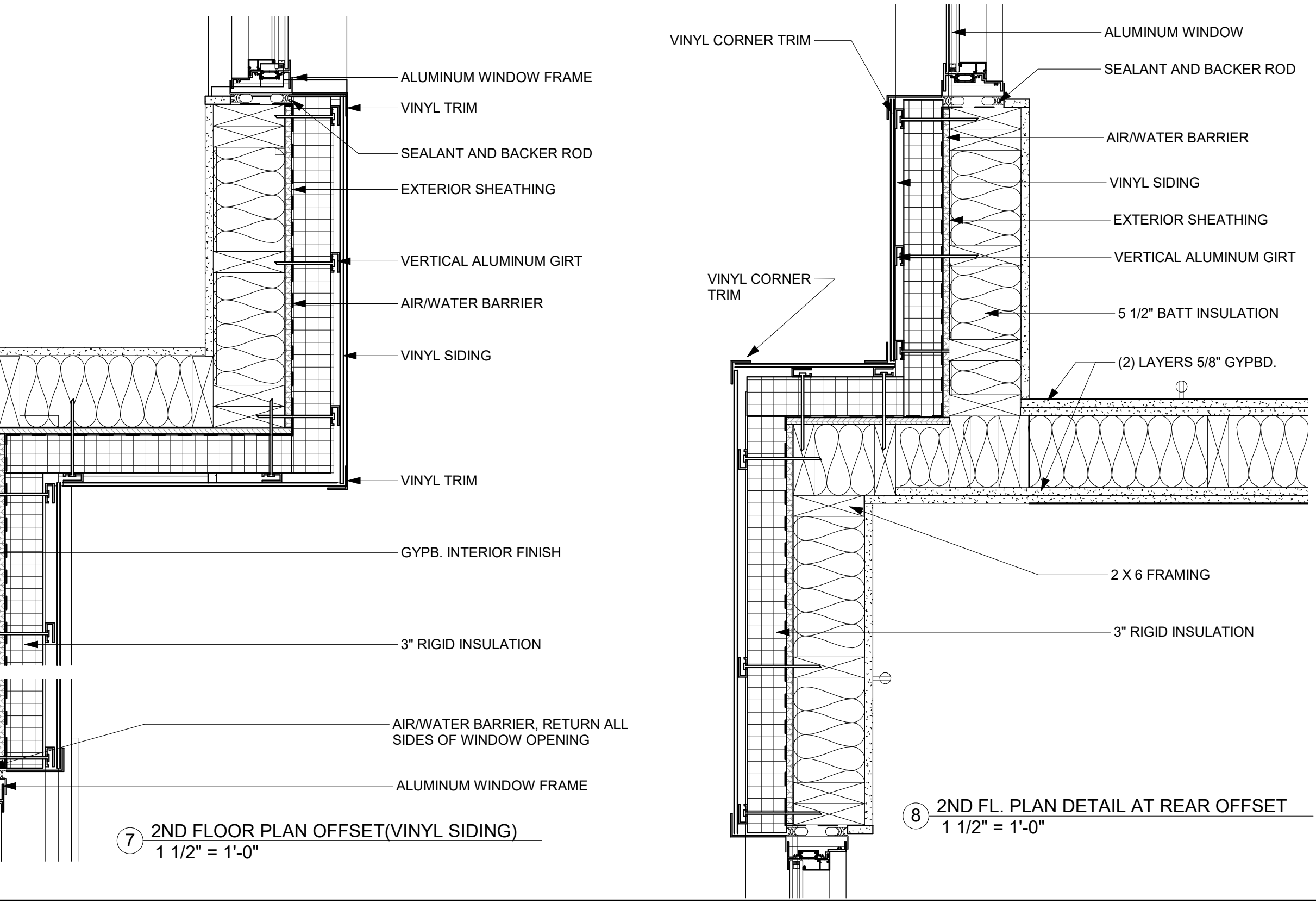
4 PLAN DETAIL AT MEETING ROOM ENTRANCE  
1 1/2" = 1'-0"



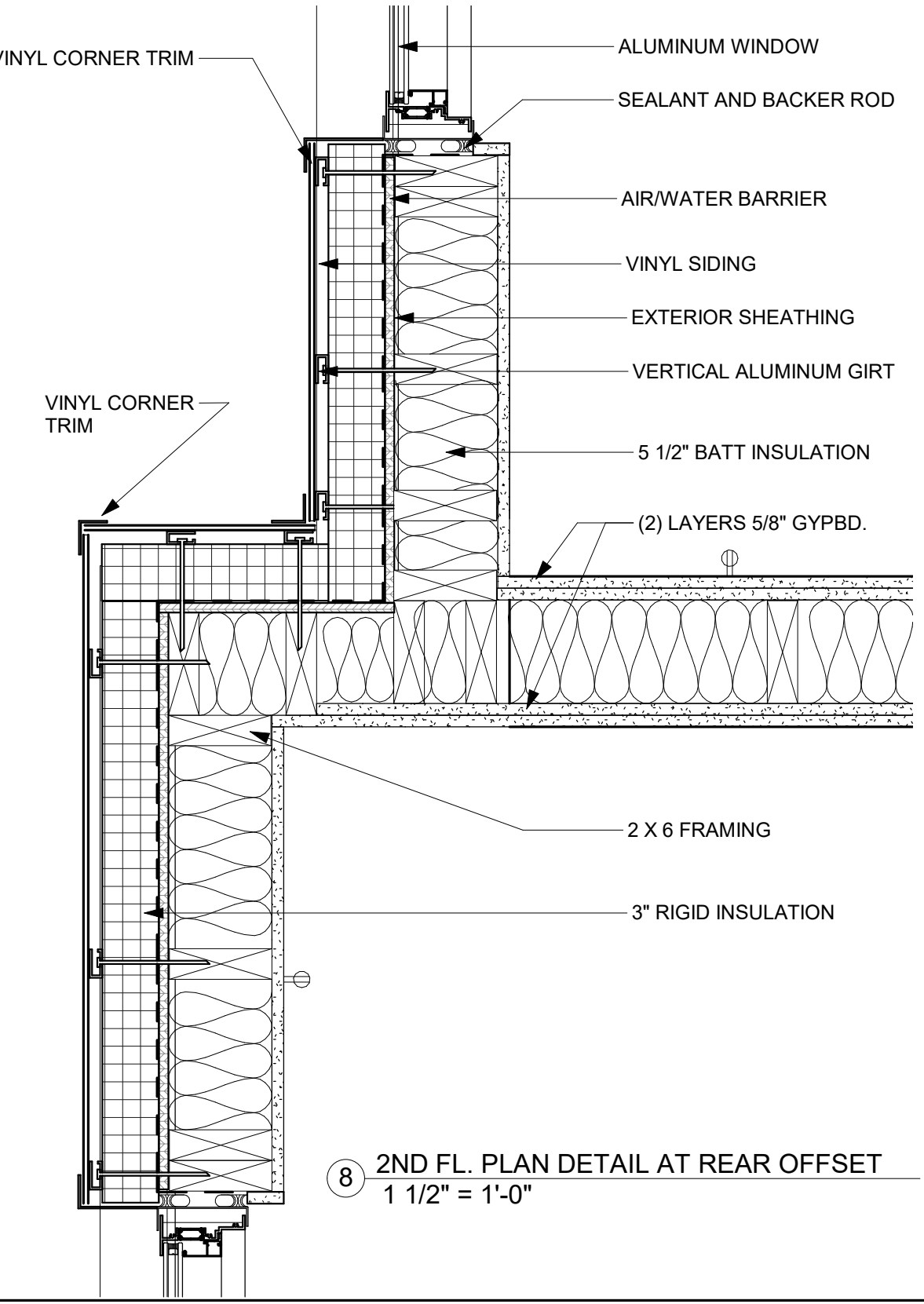
5 PLAN DETAIL AT REAR YARD DOOR  
1 1/2" = 1'-0"



6 2ND FLOOR PLAN OFFSET AT BRICK  
1 1/2" = 1'-0"



7 2ND FLOOR PLAN OFFSET (VINYL SIDING)  
1 1/2" = 1'-0"



8 2ND FL. PLAN DETAIL AT REAR OFFSET  
1 1/2" = 1'-0"

ISSUE/REVISION	DATE
4 PROGRESS SET	11/15/2021
3 PROGRESS SET	09/27/2021

DRAWING TITLE  
**EXTERIOR PLAN DETAILS**

DRAWING NO.  
**A-704**

DATE: 11/15/21  
SCALE: 1 1/2" = 1'-0"

STAMP & SIGNATURE