
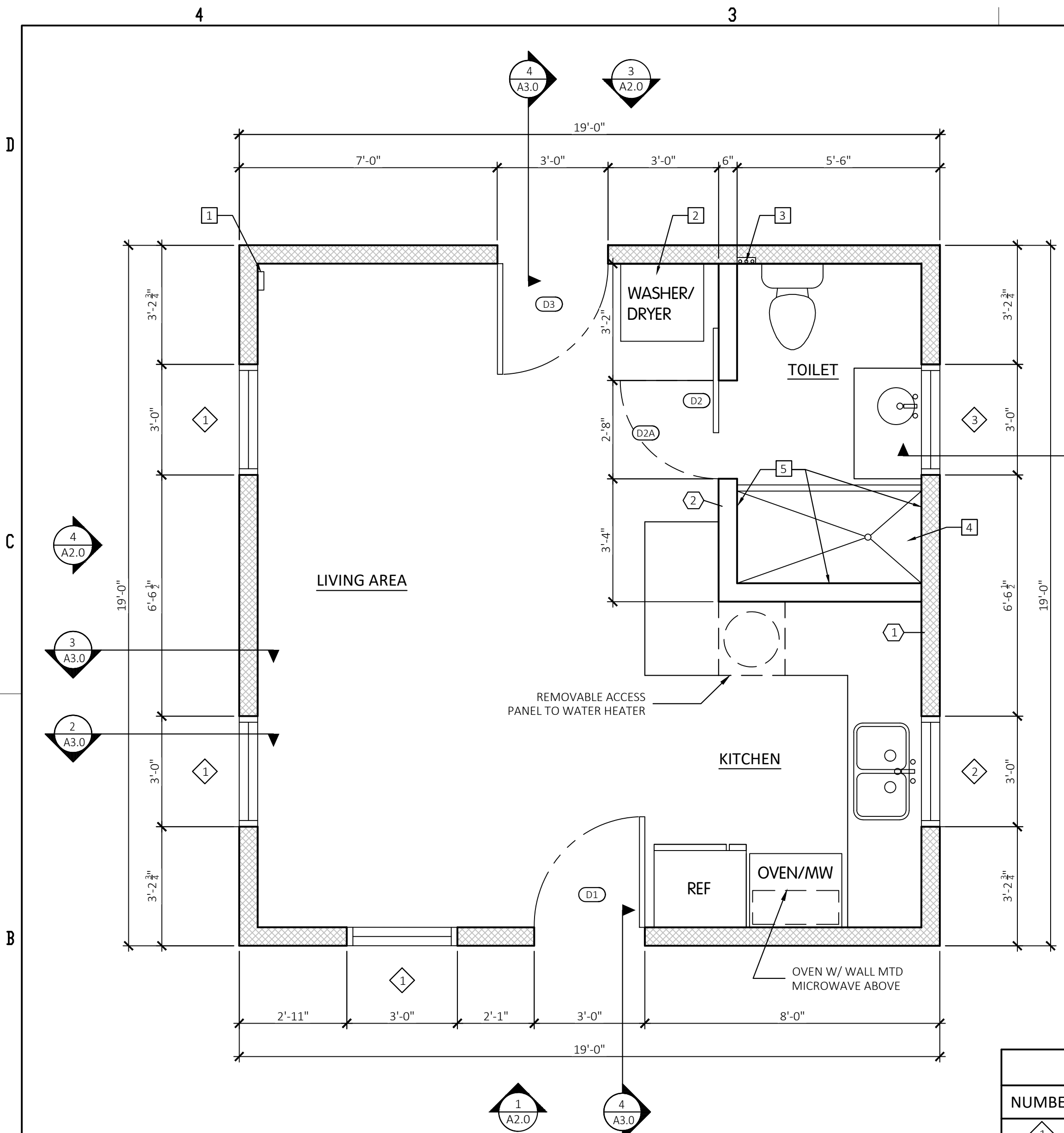


BOXABL

STUDIO CASITA TWO DOOR MODEL BXB-000009

| | | | |
|---|---|--|---|
| | | | |
| BUILDING DATA | BUILDING INFORMATION | FIELD SCOPE OF WORK | |
| <p>OCCUPANCY CLASSIFICATION: IRC ACCESSORY STRUCTURE OR DWELLING UNIT</p> <p>TOTAL BUILDING AREA: 361 SQFT</p> <p>BUILDING HEIGHT: 10'-9"</p> <p>CONSTRUCTION TYPE: TYPE VB (STRUCTURAL INSULATING PANELS)</p> <p>CLIMATE ZONE:</p> <p><u>TESTS PASSED:</u></p> <ul style="list-style-type: none"> NFPA 286 CORNER BURN TEST ASTM E84 NON-COMBUSTIBLE MATERIAL CONSTRUCTION ICC EVALUATION REPORT ESR 4725 | <p><u>ADDRESS:</u></p> <p>ADDRESS: 1234 STREET</p> <p>CITY: CITY</p> <p>COUNTY: COUNTY</p> <p>STATE: STATE</p> <p><u>BUILDING CODES:</u></p> <ul style="list-style-type: none"> RESIDENTIAL BUILDING CODE: RESIDENTIAL MECHANICAL CODE: NATIONAL ELECTRIC CODE: RESIDENTIAL PLUMBING CODE: ENERGY CONSERVATION CODE: | <ul style="list-style-type: none"> BOXABL UNITS ARE FABRICATED WITH A FLAT ROOF. IT IS THE RESPONSIBILITY OF THE OWNER/INSTALLER TO INSTALL A CODE APPROVED PITCHED ROOF ON-SITE FOUNDATION SYSTEMS MAY BE REQUIRED BY YOUR LOCAL AHJ, SOME FOUNDATION DESIGNS ARE FOUND IN THIS PLAN SET, MORE CAN BE FOUND AT BOXABL.COM/FOUNDATIONS. IT IS THE OWNER'S RESPONSIBILITY TO HAVE AN APPROPRIATE FOUNDATION BUILT FOR THE SITE CONDITIONS THE OWNER IS RESPONSIBLE FOR CONNECTING BOXABL UNITS TO LOCAL UTILITIES. UTILITY CONNECTION SIZES & LOCATIONS CAN BE FOUND ON THE MEP SUBSEQUENT SHEETS. THE OWNER IS RESPONSIBLE FOR ERECTING THE BOXABL HINGED PANEL SYSTEM AND INTERLOCKING PANELS USING HARDWARE PROVIDED PER INSTALLATION INSTRUCTIONS SPECIFIC TO THEIR MODEL. FINAL SHOWER INSTALLATION ON-SITE MAY BE REQUIRED SUCH AS PANEL INSTALLATION OR CAULKING. SEE SPECIFIC UNIT OWNERS MANUAL FOR DETAILS. THE OWNER IS RESPONSIBLE FOR THE INSTALLATION OF MISCELLANEOUS ITEMS WHICH MAY INCLUDE BUT ARE NOT LIMITED TO: THE BATHROOM MIRROR, BATHROOM DOOR, EXTERIOR LIGHT SCONCES, INTERIOR PENDANT LIGHT, SMOKE DETECTOR, REFRIGERATOR, WASHER DRYER UNIT, OVER THE FRIDGE CABINETRY & HIDE PANELS AND THE BREAKFAST BAR COUNTERTOP. FINISH + SEAL PLUMBING VENTS ON SITE. BOXABL TO PROVIDE FACTORY INSTALLED HUB FITTINGS IN ROOF PANELS TO ACCOMMODATE THE VERTICAL PLUMBING VENTS | |
| GENERAL NOTES | | FACTORY SCOPE OF WORK | |
| <p>THE ARCHITECT AND HIS CONSULTANTS DO NOT WARRANTY OR GUARANTEE THE COMPLETENESS OF THE WORK BEYOND A REASONABLE DILIGENCE. IF ANY ERRORS, DISCREPANCIES, OR OMISSIONS ARE FOUND TO EXIST IN THE WORK PRODUCT, THE ARCHITECT SHALL BE PROMPTLY NOTIFIED SO THAT HE MAY HAVE THE OPPORTUNITY TO TAKE WHATEVER STEPS NECESSARY TO RESOLVE THE ISSUE. FAILURE TO PROMPTLY NOTIFY THE ARCHITECT OF SUCH CONDITIONS, SHALL ABSOLVE THE ARCHITECT FROM ANY RESPONSIBILITY OF SUCH FAILURE. ACTION TAKEN WITHOUT THE KNOWLEDGE AND CONSENT OF THE ARCHITECT, IN CONTRADICTION TO THE WORK PRODUCT, OR THE RECOMMENDATIONS OF THE ARCHITECT SHALL BECOME THE RESPONSIBILITY OF THE PARTIES RESPONSIBLE FOR TAKING SUCH ACTION.</p> <p>THESE DRAWINGS WERE PREPARED BASED ON THE ASSUMPTION THAT ANY CONTRACTOR, SUBCONTRACTOR, SUPPLIER, OR VENDOR INVOLVED IN THE CONSTRUCTION OF THE WORK DESCRIBED HEREIN HAS EXPERIENCE IN THEIR RESPECTIVE AREAS OR DISCIPLINES THAT MAKE UP THE SCOPE OF THE PROJECT.</p> <p>MANUFACTURERS COMPLIANCE CERTIFICATE CAN BE FOUND INSIDE THE ELECTRICAL SUB PANEL DOOR.</p> <p>THESE UNITS ARE PREFABRICATED FACTORY BUILT BUILDINGS. PLUMBING, ELECTRICAL, & HVAC ARE PRE-INSTALLED, AND ARE CONNECTED TO INCOMING UTILITIES WHEN THE UNIT IS SET ON SITE.</p> <p>FOUNDATION SYSTEM IS PERMITTED & INSTALLED SEPARATELY BY THE UNIT OWNER.</p> <p>THIS SET IS INTENDED TO BE USED IN CONJUNCTION WITH THE MANUFACTURERS PANEL DRAWINGS AND STRUCTURAL DRAWINGS.</p> | | <ul style="list-style-type: none"> ALL EXTERIOR AND INTERIOR WALLS, FLOORS AND ROOFS ARE PRE-BUILT IN THE FACTORY AND PRE-FINISHED. SOME TOUCH UP WORK MAY BE NECESSARY AT PANEL HINGE POINTS ON-SITE. ALL INTERIOR ELECTRICAL DEVICES ARE PRE-INSTALLED AND TESTED EXCEPT FOR SMOKE DETECTORS, INTERNAL PENDANT LIGHT, AND EXTERIOR SCONCE WHICH ARE PROVIDED BUT FIELD INSTALLED. ALL INTERIOR PLUMBING WATER LINES & DRAINS ARE FACTORY INSTALLED APART FROM THE REFRIGERATOR WATER LINE CONNECTION AND WASHER-DRYER INSTALLATION. ALL APPLIANCES EXCEPT FOR THE REFRIGERATOR, RANGE, AND WASHER-DRYER UNIT ARE PRE-INSTALLED. REFRIGERATOR AND WASHER-DRYER UNIT ARE INCLUDED BUT SITE-INSTALLED. OTHER MISCELLANEOUS COMPONENTS PER "CUSTOMER INSTALL KIT" ARE INCLUDED BUT MUST BE FIELD INSTALLED. THESE MAY INCLUDE BUT NOT BE LIMITED TO: <ul style="list-style-type: none"> BREAKFAST BAR COUNTERTOP COMPONENTS WASHER DRYER CABINET BOX OVER THE REFRIGERATOR CABINET MISC. ACCENT LIGHTING SMOKE DETECTORS INTERIOR AND EXTERIOR TRIM COMPONENTS | |
| DATE: | REV: | DESCRIPTION: | |
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| <p>BOXABL INC.</p> <p>5345 EAST NORTH BELT ROAD NORTH LAS VEGAS, NV 89115, USA</p> <p>+1(702) 500-9000 HELLO@BOXABL.COM</p> | | | <p>MODEL: 2 DOOR CASITA BXB-000009</p> <hr/> <p>SHEET: G1.0</p> |
| | | | <p>PROPRIETARY AND CONFIDENTIAL</p> <p>THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF BOXABL INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF BOXABL INC. IS PROHIBITED.</p> |
| | | |  |



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

| LEGEND | | | |
|--------|---------------|--|------------------------|
| | KEY NOTE | | WINDOW TAG SEE A1.0 |
| | SIP PANEL | | DOOR TAG SEE A1.0 |
| | INTERIOR WALL | | |

| FLOOR PLAN KEYNOTES | |
|---------------------|--|
| 1 | WALL MOUNTED SMOKE DETECTOR 20' AWAY FROM COOKING APPLIANCE |
| 2 | VENTLESS COMBO WASHER/DRYER UNIT |
| 3 | WASHER OUTLET BOX. RUN HOSES THRU PARTITIONS TO CONNECT TO WASHER/DRYER UNIT |
| 4 | 30" x 60" SHOWER WITH 2" CURB (SEE P2.0 + P3.0 FOR SHOWER OPTION; SHEET 2.1 + 3.1 FOR BATHTUB OPTION) |
| 5 | BATHTUB AND/OR SHOWER FLOORS OR WALLS SHALL BE FINISHED WITH A NON-ABSORBENT SURFACE 6'-0" A.F.F. |

NOTES

- SEE MANUFACTURER'S DRAWINGS FOR UTILITY CONNECTIONS, PANEL DETAILS, MODULAR CONNECTIONS & ALL RELATED STRUCTURAL DETAILS
- FINAL DIMENSIONS ARE WITHIN ± 1" OF DIMENSIONS SHOWN BASED ON MANUFACTURING TOLERANCES

| NATURAL LIGHT SCHEDULE (8% REQUIRED) | | | | |
|--------------------------------------|---------------|------------------------|------------------------|-------------------|
| BASED OFF 2018 IRC, SECTION R303.1 | | | | |
| ROOM | TOTAL SQ. FT. | NATURAL LIGHT PROVIDED | NATURAL LIGHT REQUIRED | ACTUAL PERCENTAGE |
| LIVING AREA | 208 SF | 54 SF | 16.64 SF | 26% |
| KITCHEN | 66 SF | 12 SF | 5.28 SF | 18% |
| TOILET | 44 SF | 6 SF * | 1.32 SF | 13% |

| NATURAL VENTILATION SCHEDULE (4% REQUIRED) | | | | |
|---|---------------|------------------------------|-----------------------|-------------------|
| BASED OFF 2018 IRC, SECTION R303.1 | | | | |
| LIVING ROOM & KITCHEN CONSIDERED AN ADJOINING SPACE | | | | |
| ROOM | TOTAL SQ. FT. | WINDOW VENT SQ. FT. PROVIDED | VENTILATION REQUIRED | ACTUAL PERCENTAGE |
| LIVING AREA | 274 SF | 27 SF | 11 SF | 9.9% |
| KITCHEN | | | | |
| TOILET | 44 SF | 0 SF * | MECH. VENTED - 70 CFM | N/A |

* ARTIFICIAL LIGHT AND VENTILATION PROVIDED PER EXCEPTION OF IRC SECTION R303.3

| WINDOW & DOOR SCHEDULE | | | | | | | | |
|------------------------|---------|----------------------|----------------|------------|----------|------------------------|---------|-------------------|
| NUMBER | PRODUCT | CONFIGURATION | SIZE | MATERIAL | U-FACTOR | SOLAR HEAT GAIN (SHGC) | DPI | NOTES |
| 1 | WINDOW | SINGLE HUNG | 3'-0" X 6'-0" | VINYL | 0.25 | 0.21 | +20/-20 | |
| 2 | WINDOW | FIXED | 3'-0" X 4'-0" | VINYL | 0.22 | 0.23 | +20/-20 | |
| 3 | WINDOW | FIXED | 3'-0" X 2'-0" | VINYL | 0.22 | 0.23 | +20/-20 | |
| D1 | DOOR | ENTRY DOOR | 3'-0" X 8'-0" | FIBERGLASS | 0.15 | 0 | +55/-60 | |
| D2 | DOOR | TOILET DOOR | 2'-10" X 8'-0" | BARN DOOR | 0 | 0 | 0 | BARN-STYLE SLIDER |
| D2A | DOOR | OPTIONAL TOILET DOOR | 2'-8" X 8'-0" | | 0 | 0 | 0 | SWINGING DOOR |
| D3 | DOOR | REAR DOOR | 3'-0 X 8'-0" | FIBERGLASS | 0.15 | 0 | +55/-60 | |

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NORTH LAS VEGAS, NV 89115, USA
+1(702) 500-9000 HELLO@BOXABL.COM

**MODEL: 2 DOOR CASITA
BXB-000009**

SHEET: A1.0

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EXTERIOR FINISHES:
24 GAUGE METAL PANEL INSTALLED BY MANUFACTURER

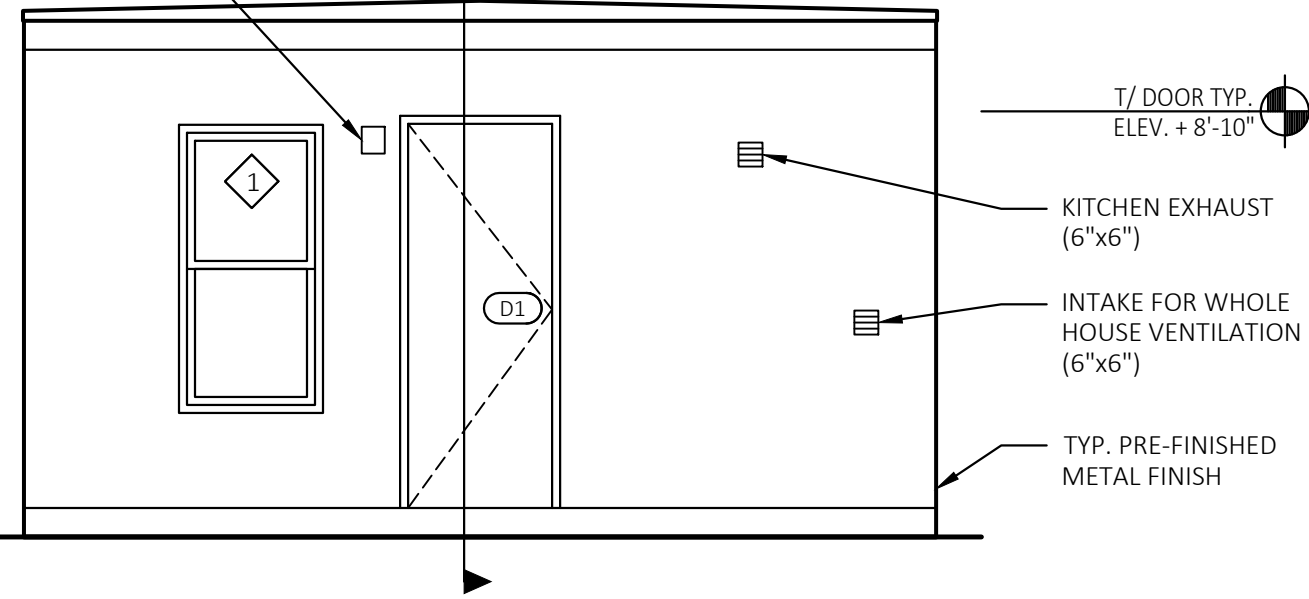
FOAM WEDGE ROOF:
2-1/2" TH @ ROOF EDGES; 5" TH @ CENTER
(1/4 : 12 SLOPE)

EXTERIOR WALL SCONCE:
TO BE WIRED TO A PHOTOCELL
OR ASTRONOMICAL SWITCH

T/ UNIT
ELEV. + 10'-9"

T/ WINDOW
ELEV. + 8'-7"

B/ UNIT
ELEV. + 0'-0"

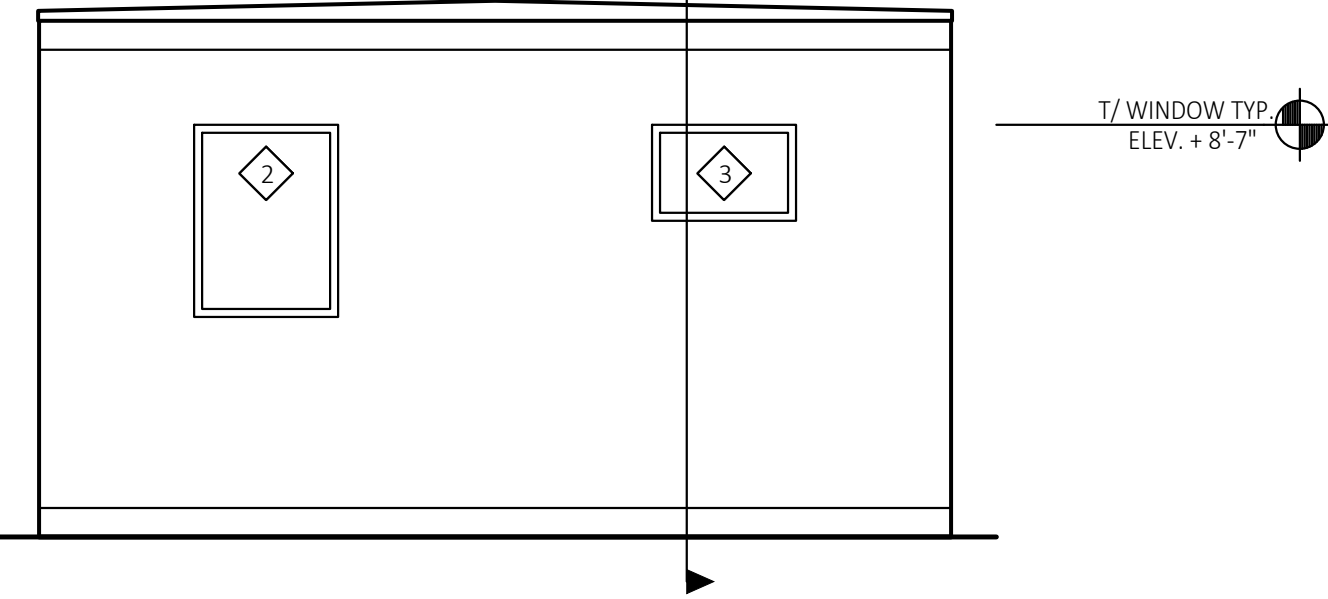


1 FRONT ELEVATION
A2.0 SCALE: 1/4" = 1'-0" OPENING PERCENTAGE = 20.56%

T/ UNIT
ELEV. + 10'-9"

T/ WINDOW
ELEV. + 8'-7"

B/ UNIT
ELEV. + 0'-0"

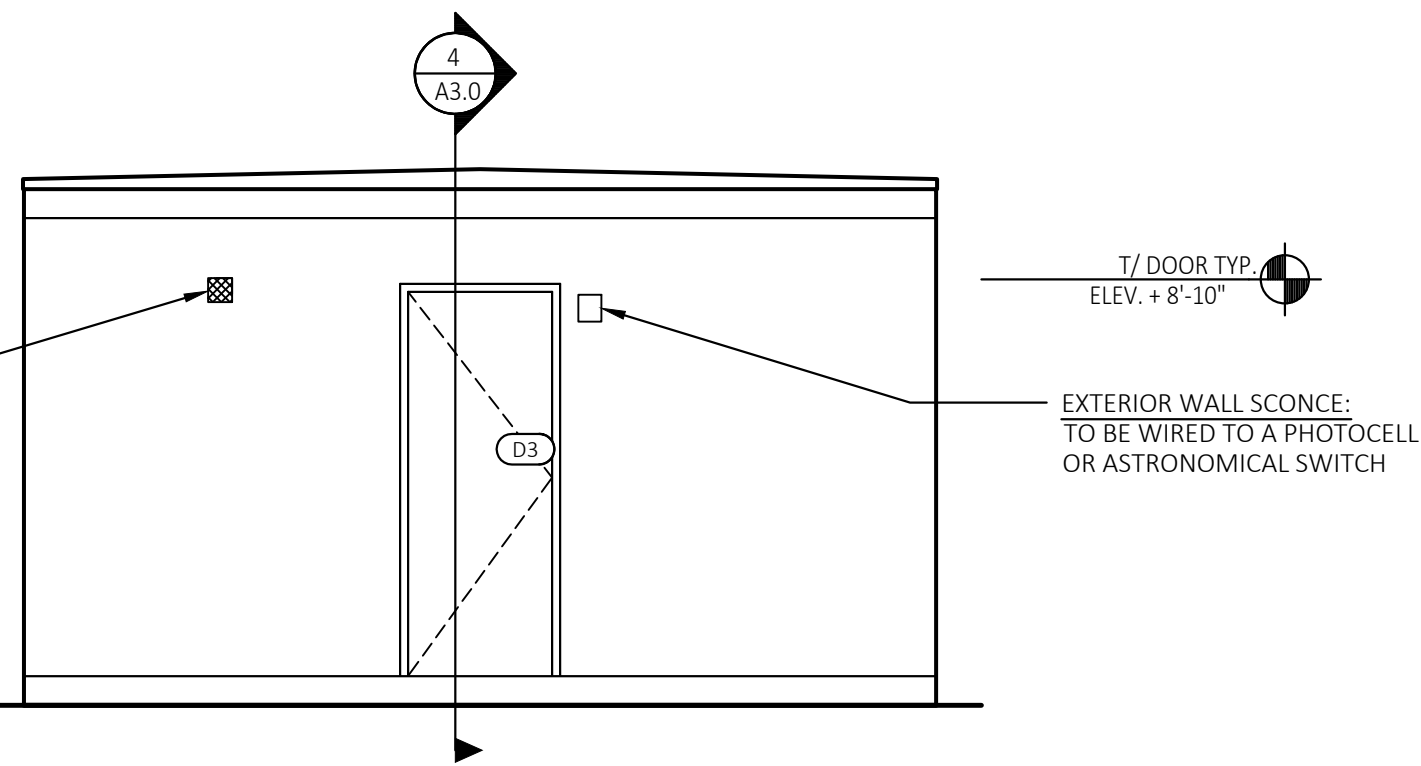


2 RIGHT ELEVATION
A2.0 SCALE: 1/4" = 1'-0" OPENING PERCENTAGE = 8.81%

T/ UNIT
ELEV. + 10'-9"

TOILET EXHAUST
FAN (6"x6")

B/ UNIT
ELEV. + 0'-0"

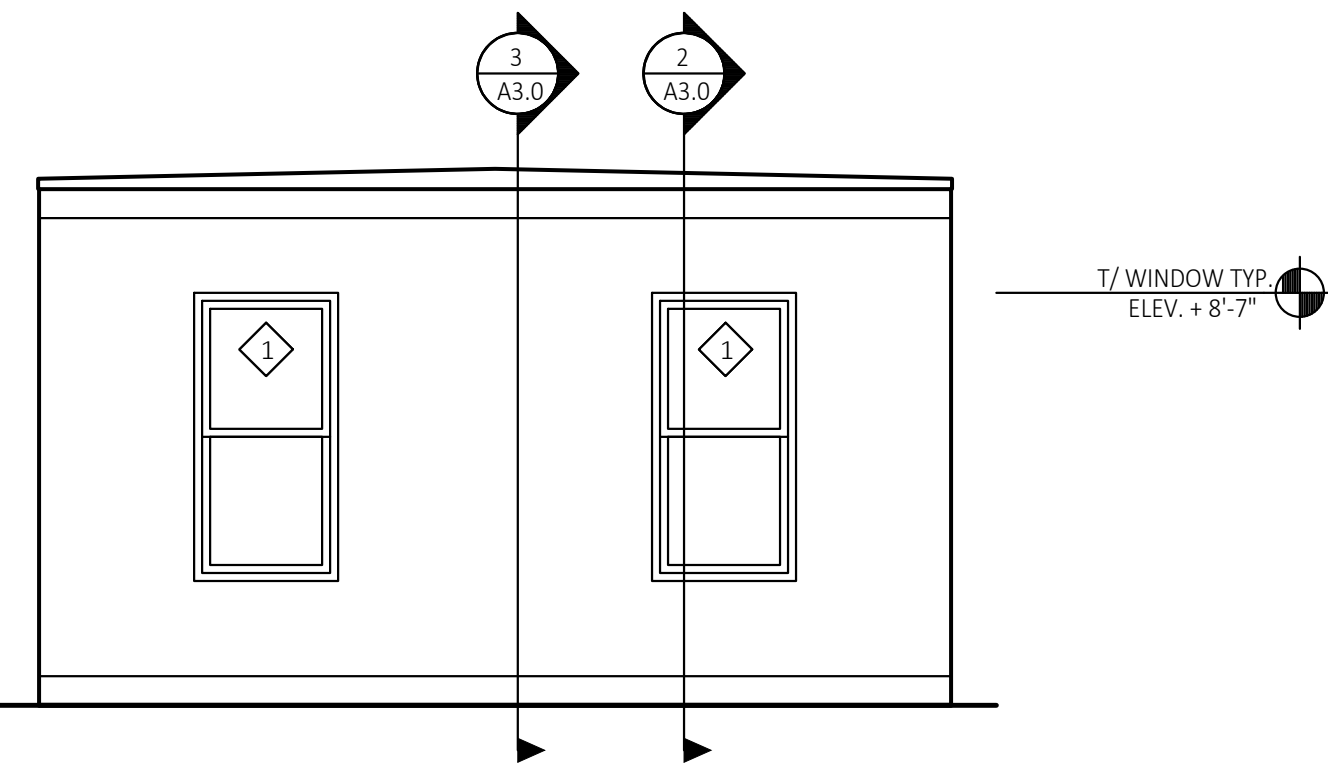


3 BACK ELEVATION
A2.0 SCALE: 1/4" = 1'-0" OPENING PERCENTAGE = 11.75%

T/ UNIT
ELEV. + 10'-9"

T/ WINDOW
ELEV. + 8'-7"

B/ UNIT
ELEV. + 0'-0"



4 LEFT ELEVATION
A2.0 SCALE: 1/4" = 1'-0" OPENING PERCENTAGE = 17.62%

NOTE:
AIR EXHAUST AND INTAKE OPENINGS SHALL BE PROTECTED
WITH CORROSION-RESISTANT SCREENS, LOUVERS OR GRILLES
HAVING AN OPENING SIZE OF NOT LESS THAN 1/4 INCH AND
A MAXIMUM OPENING SIZE OF 1/2 INCH, IN ANY DIMENSION

| MAXIMUM AREA OF EXT. WALL OPENINGS ON FIRE SEPARATION DISTANCE AND DEGREE OF OPENING PROTECTION | | |
|--|------------------------------|----------------|
| BASED OFF IRC TABLE R302.1(1) EXTERIOR WALLS | | |
| FIRE SEPARATION DISTANCE (FEET) | DEGREE OF OPENING PROTECTION | ALLOWABLE AREA |
| 0 TO LESS THAN 3 | UNPROTECTED, NONSPRINKLERED | NOT PERMITTED |
| 3 TO LESS THAN 5 | UNPROTECTED, NONSPRINKLERED | NOT PERMITTED |
| 5 TO LESS THAN 10 | UNPROTECTED, NONSPRINKLERED | 10% |
| 10 TO LESS THAN 15 | UNPROTECTED, NONSPRINKLERED | 15% |
| 15 TO LESS THAN 20 | UNPROTECTED, NONSPRINKLERED | 25% |

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MODEL: 2 DOOR CASITA
BXB-000009

SHEET: A2.0

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TYPICAL ROOF COVERING (PITCHED ROOF):

SLOPED ROOF TRUSS KIT & ROOF COVERING (ASPHALT SHINGLES, CLAY TILES, ETC.) TO BE PURCHASED SEPERATELY BY THE UNIT OWNER. ROOFS TO BE INSTALLED + INSPECTED ON SITE.

TYPICAL ROOF COVERING (FLAT ROOF):

GAF TPO FULLY ADHERED SINGLE PLY MEMBRANE OR APPROVED ADHERE EPDM ROOFING MEMBRANE WITH ALL REQUIRED FLASHINGS, AND ACCESSORIES AS NECESSARY FOR A COMPLETE AND WATERTIGHT INSTALLATION. BASE INSULATION: 2-1/2" TH @ ROOF EDGES, 5" TH @ CENTER (1/4: 12 SLOPE) (FOAM WEDGE ROOF). ROOFS TO BE INSTALLED + INSPECTED ON SITE.

STANDARD WALL CONSTRUCTION TYPES

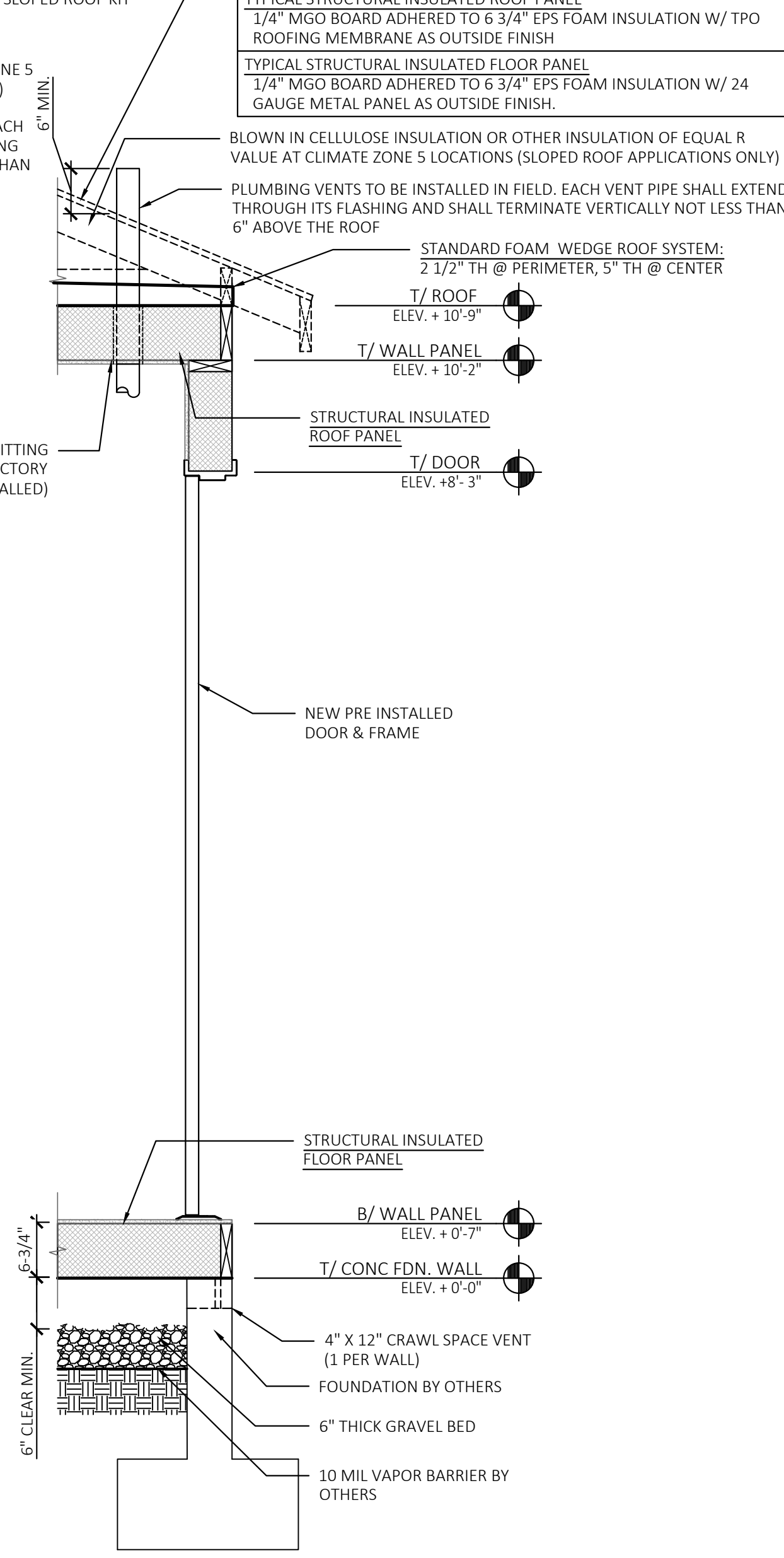
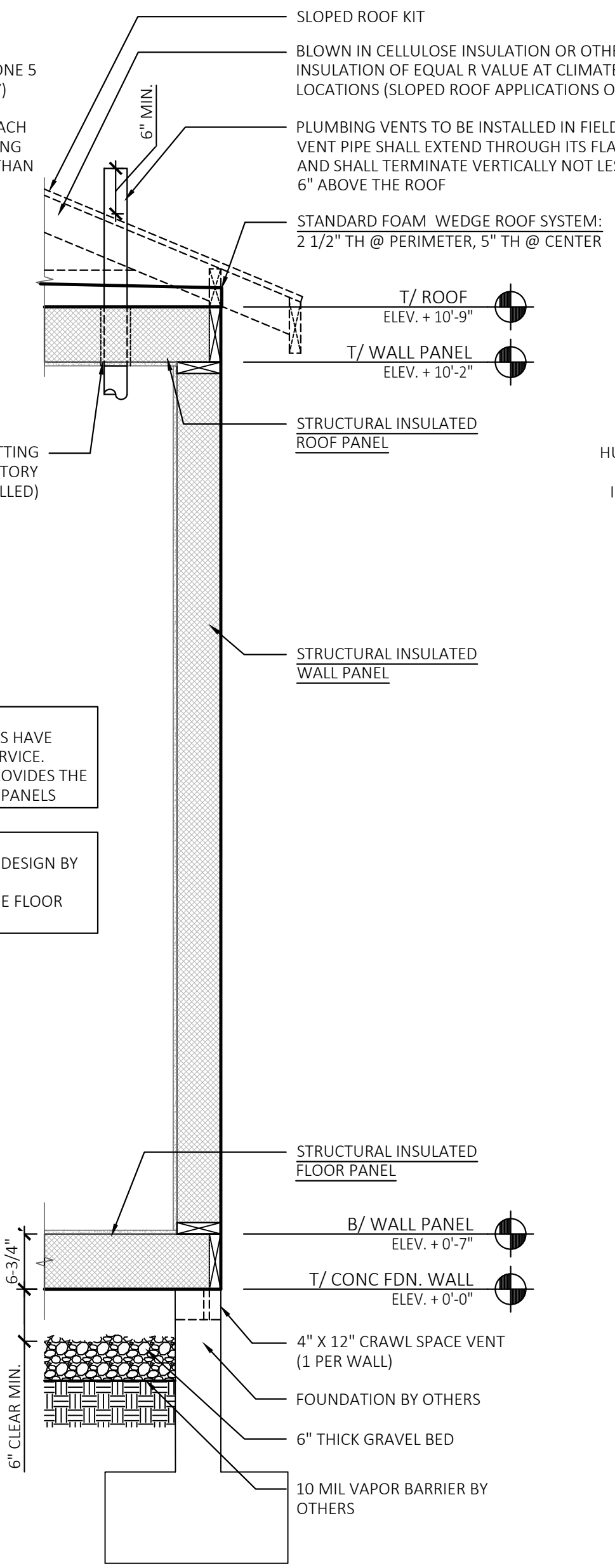
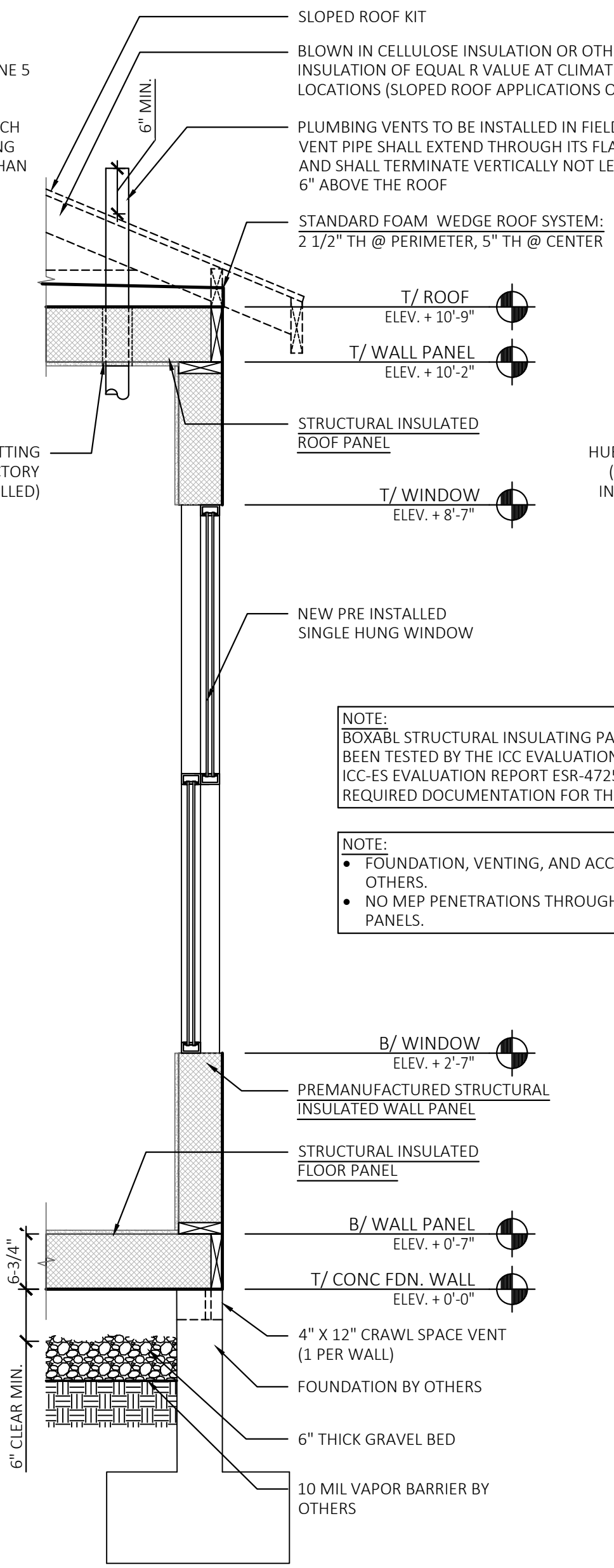
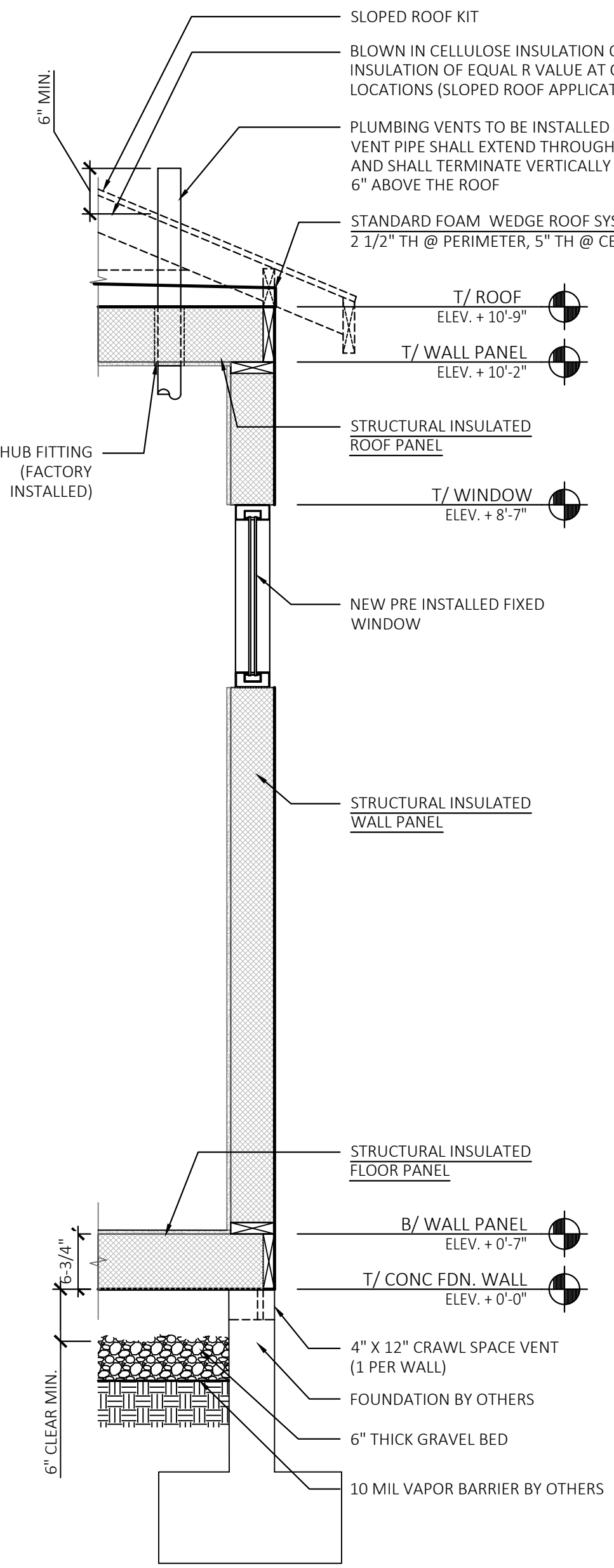
- TYPICAL STRUCTURAL INSULATED WALL PANEL
1/4" MGO BOARD ADHERED TO 5 3/4" EPS FOAM INSULATION W/ 24 GAUGE METAL PANEL AS OUTSIDE FINISH.
- TYPICAL STRUCTURAL INSULATED ROOF PANEL
1/4" MGO BOARD ADHERED TO 6 3/4" EPS FOAM INSULATION W/ TPO ROOFING MEMBRANE AS OUTSIDE FINISH
- TYPICAL STRUCTURAL INSULATED FLOOR PANEL
1/4" MGO BOARD ADHERED TO 6 3/4" EPS FOAM INSULATION W/ 24 GAUGE METAL PANEL AS OUTSIDE FINISH.

D

C

B

A



NOTE:
BOXABL STRUCTURAL INSULATING PANELS HAVE BEEN TESTED BY THE ICC EVALUATION SERVICE. ICC-ES EVALUATION REPORT ESR-4725 PROVIDES THE REQUIRED DOCUMENTATION FOR THESE PANELS

NOTE:
• FOUNDATION, VENTING, AND ACCESS DESIGN BY OTHERS.
• NO MEP PENETRATIONS THROUGH THE FLOOR PANELS.

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

2 WALL SECTION SCALE: 3/4" = 1'-0"

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

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

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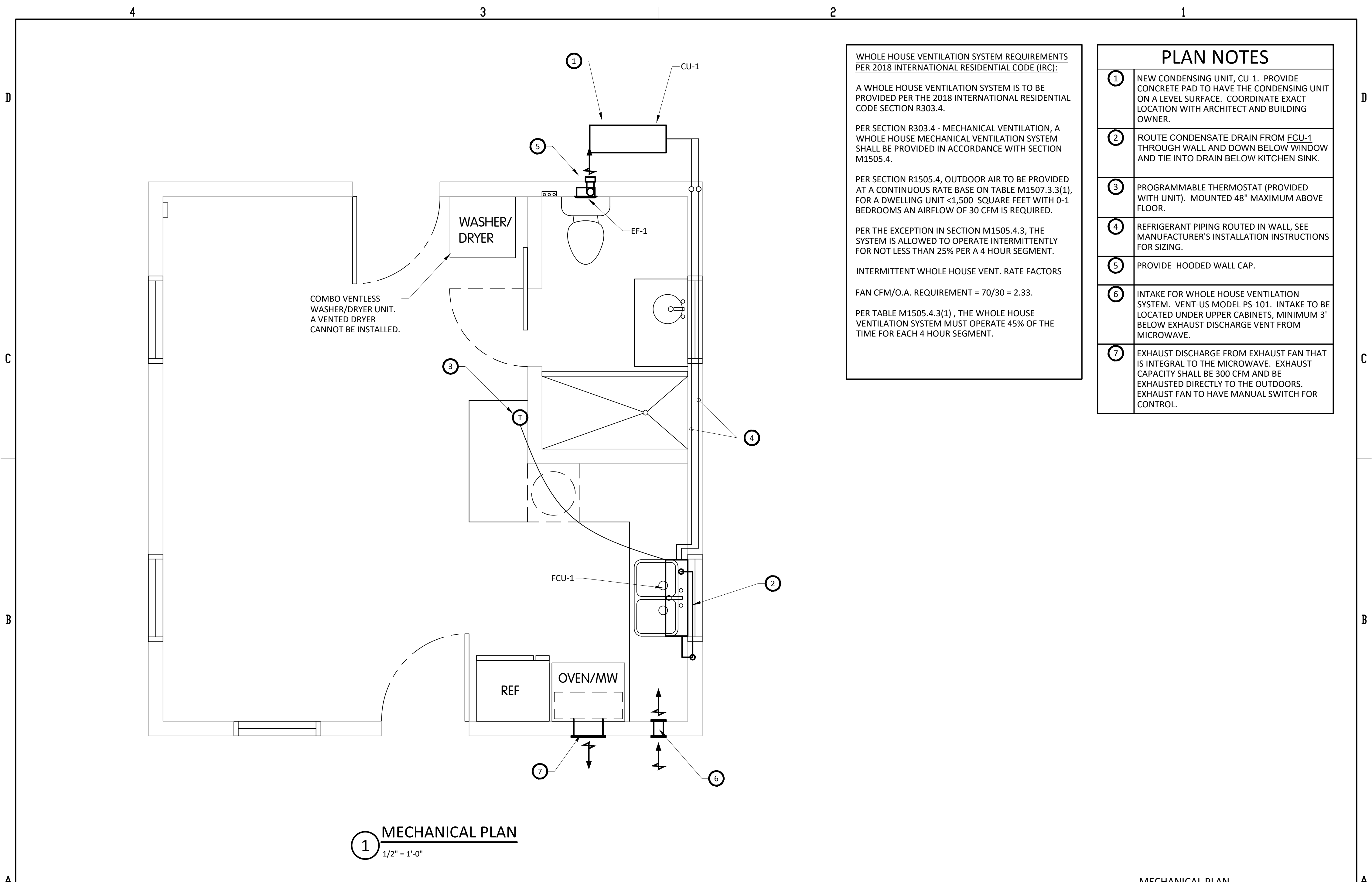
MODEL: 2 DOOR CASITA
BXB-000009

SHEET: A3.0

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WHOLE HOUSE VENTILATION SYSTEM REQUIREMENTS PER 2018 INTERNATIONAL RESIDENTIAL CODE (IRC):

A WHOLE HOUSE VENTILATION SYSTEM IS TO BE PROVIDED PER THE 2018 INTERNATIONAL RESIDENTIAL CODE SECTION R303.4.

PER SECTION R303.4 - MECHANICAL VENTILATION, A WHOLE HOUSE MECHANICAL VENTILATION SYSTEM SHALL BE PROVIDED IN ACCORDANCE WITH SECTION M1505.4.

PER SECTION R1505.4, OUTDOOR AIR TO BE PROVIDED AT A CONTINUOUS RATE BASE ON TABLE M1507.3.3(1), FOR A DWELLING UNIT <1,500 SQUARE FEET WITH 0-1 BEDROOMS AN AIRFLOW OF 30 CFM IS REQUIRED.

PER THE EXCEPTION IN SECTION M1505.4.3, THE SYSTEM IS ALLOWED TO OPERATE INTERMITTENTLY FOR NOT LESS THAN 25% PER A 4 HOUR SEGMENT.

INTERMITTENT WHOLE HOUSE VENT. RATE FACTORS

FAN CFM/O.A. REQUIREMENT = 70/30 = 2.33.

PER TABLE M1505.4.3(1), THE WHOLE HOUSE VENTILATION SYSTEM MUST OPERATE 45% OF THE TIME FOR EACH 4 HOUR SEGMENT.

| PLAN NOTES | |
|------------|---|
| 1 | NEW CONDENSING UNIT, CU-1. PROVIDE CONCRETE PAD TO HAVE THE CONDENSING UNIT ON A LEVEL SURFACE. COORDINATE EXACT LOCATION WITH ARCHITECT AND BUILDING OWNER. |
| 2 | ROUTE CONDENSATE DRAIN FROM FCU-1 THROUGH WALL AND DOWN BELOW WINDOW AND TIE INTO DRAIN BELOW KITCHEN SINK. |
| 3 | PROGRAMMABLE THERMOSTAT (PROVIDED WITH UNIT). MOUNTED 48" MAXIMUM ABOVE FLOOR. |
| 4 | REFRIGERANT PIPING ROUTED IN WALL, SEE MANUFACTURER'S INSTALLATION INSTRUCTIONS FOR SIZING. |
| 5 | PROVIDE HOODED WALL CAP. |
| 6 | INTAKE FOR WHOLE HOUSE VENTILATION SYSTEM. VENT-US MODEL PS-101. INTAKE TO BE LOCATED UNDER UPPER CABINETS, MINIMUM 3' BELOW EXHAUST DISCHARGE VENT FROM MICROWAVE. |
| 7 | EXHAUST DISCHARGE FROM EXHAUST FAN THAT IS INTEGRAL TO THE MICROWAVE. EXHAUST CAPACITY SHALL BE 300 CFM AND BE EXHAUSTED DIRECTLY TO THE OUTDOORS. EXHAUST FAN TO HAVE MANUAL SWITCH FOR CONTROL. |

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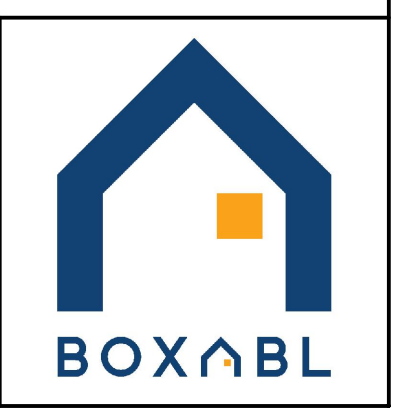
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MODEL: 2 DOOR CASITA
BXB-000009

SHEET: M2.0

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FAN COIL UNIT SCHEDULE

| DESIG'N. | MFG'R. | MODEL NO. | AIR QUANTITY (CFM) | COOLING | | | | HEATING | | | ELECTRICAL | | | | COMPRESSOR | TYPE OF MOUNTING | HSPF | SEER | REMARKS | |
|----------|--------|------------|--------------------|--------------------|--------------------|-------------------------|-------------|--------------------|-------------|-------------|-----------------------|---------|-----------|-----|------------|------------------|-----------------|----------|---------|------|
| | | | | E.A.T. DB °F/WB °F | L.A.T. DB °F/WB °F | TOTAL CAPACITY (BTU/HR) | REFRIGERANT | REFRIGERANT CHARGE | E.A.T. (°F) | L.A.T. (°F) | TOTAL CAPACITY @ 47°F | VOLTAGE | PHASE (Ø) | MCA | | | | | | MOCP |
| CU-1 | LG | LSU120HFV3 | | | | | | | | | | | 230 | 1 | 10 | 15 | ROTARY INVERTER | ON GRADE | | |
| FCU-1 | LG | LSU120HFV3 | 459 | 75.0/62.3 | 55.0/53.4 | 12,000 | R410A | 1 LB 12 OZ | 60.0 | 88.2 | 12,200 | | | | | | WALL HUNG | 8.50 | 17.00 | |

NOTE: UNITS TO BE MANUFACTURED BY MITSUBISHI, LG OR AN APPROVED EQUIVALENT UNIT.

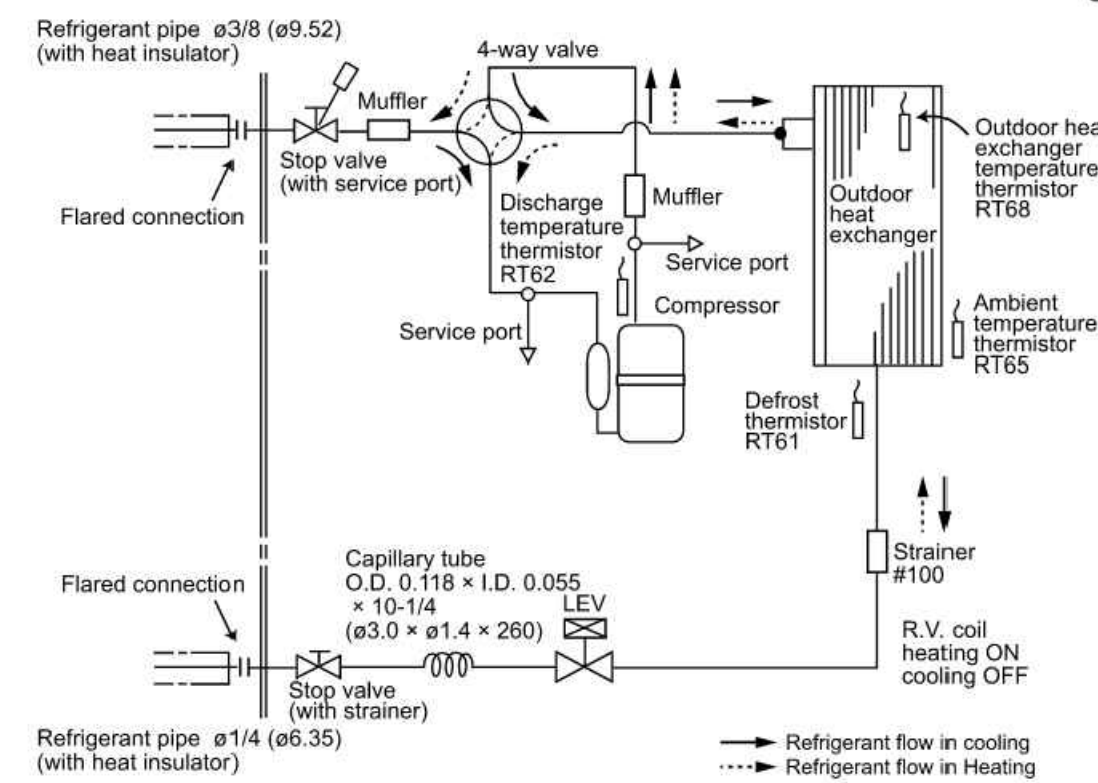
EXHAUST FAN SCHEDULE

| DESIGN | SERVICE | MFG'R | MODEL NO. | TYPE | CFM | STATIC PRESSURE ("W.C.) | DRIVE | ELECTRICAL | | | BACKDRAFT DAMPER | OPER. WEIGHT (LBS.) | EFFICACY RATING CFM/WATT | REMARKS |
|--------|----------|---------|-----------|------|-----|-------------------------|--------|--------------|-----------|---------|------------------|---------------------|--------------------------|---------|
| | | | | | | | | H.P. (WATTS) | PHASE (Ø) | VOLTAGE | | | | |
| EF-1 | RESTROOM | ADDVENT | ABF 70 | WALL | 70 | 0.250 | DIRECT | (21.0) | 1 | 115 | GRAVITY | 8 | 3.33 | |
| | | DELTA | SLM 70 | WALL | 54 | 0.250 | DIRECT | (11.6) | 1 | 115 | GRAVITY | 8 | 4.7 | |

NOTE: UNITS TO BE MANUFACTURED BY ADDVENT, DELTA, OR AN APPROVED EQUIVALENT UNIT.

MUZ-WR09NA MUZ-WR12NA

Unit: Inch (mm)



REFRIGERATION PIPING SYSTEM SCHEMATIC DETAIL

NOT TO SCALE

MECHANICAL DETAILS

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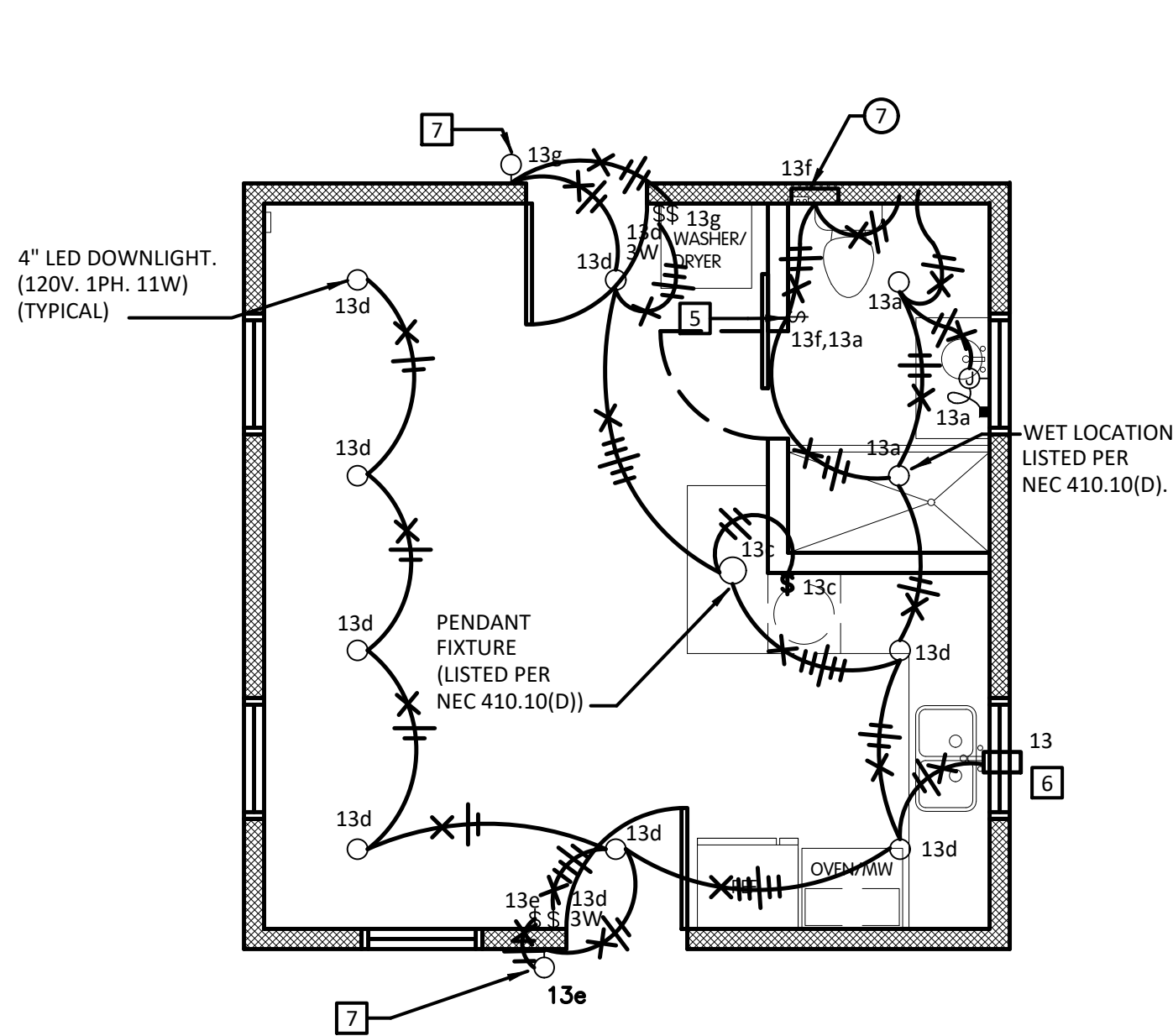
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MODEL: 2 DOOR CASITA
BXB-000009

SHEET: M3.0

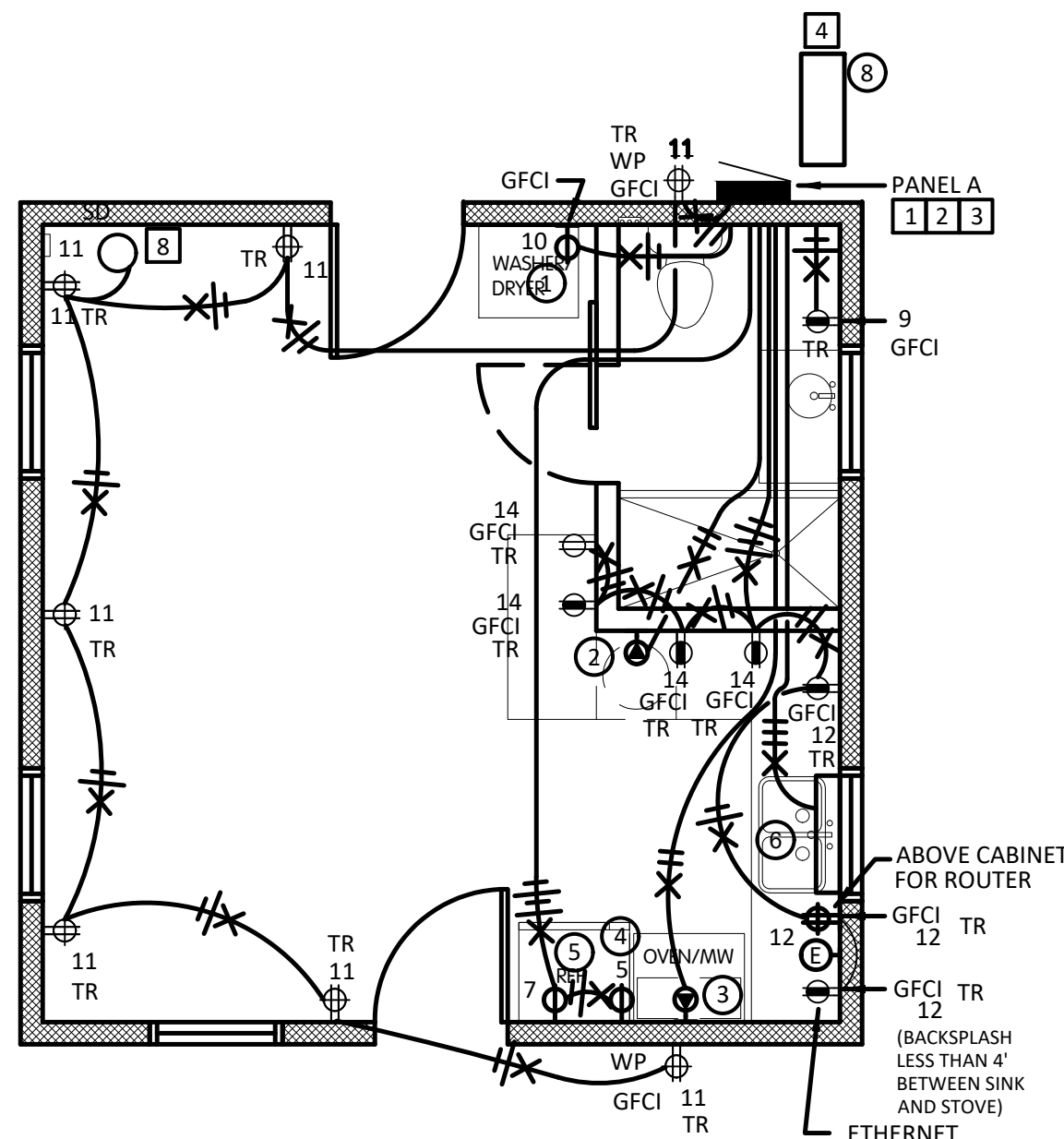
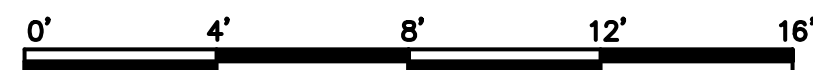
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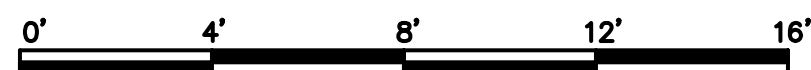
LIGHTING PLAN

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



POWER PLAN

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



POWER NOTES:

- 1 LOAD CENTER FULLY ASSEMBLED AND INSTALLED IN FACTORY WITH EMERGENCY SERVICE/ MAIN SERVICE DISCONNECT AS PART OF LOAD CENTER.
- 2 ELECTRICIAN TO PROVIDE ELECTRICAL FEEDER/ELECTRICAL SERVICE FROM SITE TO LOAD CENTER.
- 3 ELECTRICIAN TO PROVIDE SERVICE GROUND/BUILDING GROUND PER NEC REQUIREMENTS.
- 4 ELECTRICIAN TO WIRE OUTDOOR CONDENSER UNIT EXTEND WIRING AND INTERCONNECT WIRING FROM INDOOR FAN COIL PER MANUFACTURERS DIRECTIONS. COORDINATE INSTALLATION WITH MECHANICAL CONTRACTOR AS TO NOT IMPEDE CODE REQUIRED CLEARANCE FOR ELECTRICAL PANELS/SERVICE DISCONNECTS. PROVIDE GFCI PROTECTION PER 210.8 (F).
- 5 PROVIDE COMBO BATH FAN/LIGHT SWITCH WITH VENTILATION CONTROL & DELAY TIMER. (LEGRAND RADIANT 4 BUTTON DIGITAL TIMER # RT2BKCV4 OR EQUAL)
- 6 WHOLE HOUSE VENTILATION SYSTEM FAN 120V., 1PH., 7W. WIRE AHEAD OF ALL LOCAL SWITCHING.
- 7 OUTDOOR WALL LAMP WITH INTEGRAL PHOTOCCELL OR WITH ASTRONOMICAL TIMELOCK (FURNISHED WITH UNIT INSTALLED ON SITE)
- 8 COMBINATION SMOKE/FIRE/CARBON MONOXIDE ALARM WITH BATTERY BACKUP. UNIVERSAL SECURITY INSTRUMENTS # MIC1509S HARDWIRED 3 IN 1 SMART ALARM WITH 10 YEAR SEALED BATTERY OR EQUAL. DETECTOR SHALL BE LOCATED MINIMUM OF 20 FEET FROM COOKING APPLIANCE. SHIPPED LOOSE, INSTALLED AND TESTED ONSITE.

CIRCUIT PROTECTION NOTES:

- ARC FAULT CIRCUIT INTERRUPTER PROTECTION SHALL BE PROVIDED FOR ALL 15 AND 20A BRANCH CIRCUITS SUPPLYING OUTLETS AND DEVICES IN ACCORDANCE WITH NEC 210.12(A).
- GROUND FAULT CIRCUIT INTERRUPTER PROTECTION SHALL BE PROVIDED FOR ALL 15A AND 20A RECEPTACLES AND EQUIPMENT IN ACCORDANCE WITH NEC 210.8.
- ALL RECEPTACLES SHOWN WITH TR SHALL BE TAMPER RESISTANT PER NEC 406.12.

| EQUIPMENT SCHEDULE | | | | | | | | | | |
|--------------------|------------------------|---------|-------|----------|-----------------|----------------|------|------|----------|------------|
| MARK | EQUIPMENT DESCRIPTION | VOLTAGE | PHASE | AMPS | RECEPTACLE TYPE | CIRCUIT DATA | | | | HEIGHT |
| | | | | | | CIRCUIT NUMBER | QTY. | SIZE | EQ. GND. | |
| 1 | WASHER DRYER | 120 | 1 | 10.0 | 5-20R | A-10 | 2 | #12 | #12 | 18" A.F.F. |
| 2 | WATER HEATER | 240 | 1 | 18.75 | 6-30R | A-(6,8) | 2 | #10 | #10 | 18" A.F.F. |
| 3 | RANGE | 240 | 1 | 40.0 | 14-50R* | A-(2,4) | 2 | #6 | #10 | 18" A.F.F. |
| 4 | REFRIGERATOR | 120 | 1 | 12 | 5-20R | A-5 | 2 | #12 | #12 | 18" A.F.F. |
| 5 | MICROWAVE | 120 | 1 | 12 | 5-20R | A-7 | 2 | #12 | #12 | 84" A.F.F. |
| 6 | FAN COIL UNIT FCU-1 | 240 | 1 | 1.0 | - | WIRE TO CU-1 | 3 | #14 | #14 | - |
| 7 | EXHAUST FAN EF-1 | 120 | 1 | 11 WATTS | - | A-13f | 2 | #12 | #12 | - |
| 8 | OUTDOOR CONDENSER CU-1 | 240 | 1 | 15.0 | - | A-(15,17) | 2 | #10 | #10 | - |

*14-50R IS A THREE PHASE RECEPTACLE ONLY TWO PHASES USED. COORDINATE PHASING.

| PANEL DATA SCHEDULE | | | | PANEL NAME: <u>A</u> | | | | DEMAND LOAD | | FLUSH SURFACE <input type="checkbox"/> | |
|--|----------------|-------|----------|-----------------------|-----------------|----------|----------------|-------------|-------------------------------|--|------------------|
| LOCATION OUTDOOR | | | | CONNECTED LOAD | | | | DEMAND LOAD | | KEY: L: LIGHTING 0.19 KVA | |
| SERVICE 120/240V., 1PH., 3W. | | | | PHASE A 12.94 KVA | | | | 10.62 KVA | | R: RECEPTACLES 5.63 KVA | |
| MAIN BREAKER 100A-2P MINIMUM | | | | PHASE B 12.45 KVA | | | | 10.20 KVA | | M: MOTORS 6.90 KVA | |
| MAIN LUGS ONLY | | | | TOTAL 25.39 KVA | | | | 20.82 KVA | | P: PANELS 0.00 KVA | |
| NEUTRAL BUS 100A MINIMUM | | | | RMS SYM AMPS 106 AMPS | | | | 87 AMPS | | T: TRANSFORMERS 0.00 KVA | |
| GROUND BUS YES | | | | TOTAL 25.39 KVA | | | | 20.82 KVA | | E: EQUIPMENT 8.10 KVA | |
| SHORT CIRCUIT RATING 10,000 | | | | RMS SYM AMPS 106 AMPS | | | | 87 AMPS | | S & X: SPARE & SPACE 0.00 KVA | |
| NOTES: NEMA 3R - SERVICE ENTRANCE RATED - MINIMUM OF 3 # 2 AWG SERVICE | | | | | | | | | | | |
| * DENOTES LOCK-OUT CLIP: ** DENOTES GFI BREAKER: *** DENOTES VIA TIMECLOCK: **** DENOTES VIA CONTACTOR | | | | | | | | | | | |
| CIRCUIT USE | CONNECTED LOAD | | CCT. NO. | CIRCUIT BREAKER | CIRCUIT BREAKER | CCT. NO. | CONNECTED LOAD | | CIRCUIT USE | | |
| | A | B | | | | | A | B | | | |
| R: INTEGRAL WHOLE BUILDING | 0 | 0 | 1 | 20A-2P | 50A-2P | 2 | 4,800 | 4,800 | E: RANGE | | |
| R: SURGE PROTECTION DEVICE | 0 | 0 | 3 | SPD | | 4 | 4,800 | 4,800 | E: WATER HEATER | | |
| R: REFRIGERATOR | 1,440 | 1,440 | 5 | 20A-1P AFCI | 30A-2P | 6 | 2,250 | 2,250 | M: | | |
| R: MICROWAVE | 1,440 | 1,440 | 7 | 20A-1P AFCI | | 8 | 2,250 | 2,250 | E: WASHER/DRYER | | |
| R: BATHROOM RECEPTACLE | 360 | 360 | 9 | 20A-1P AFCI | 20A-1P AFCI | 10 | 1,200 | 1,500 | R: ROUTER/KITCHEN SMALL APPL. | | |
| R: LIVING ROOM/EXTERIOR RECEPT. | 1,260 | 1,260 | 11 | 20A-1P AFCI | 20A-1P AFCI | 12 | 1,500 | 1,500 | R: DINING/KITCHEN SMALL APPL. | | |
| L: BATH/KITCHEN/LIVING ROOM LTS | 192 | 192 | 13 | 15A-1P AFCI | 20A-1P AFCI | 14 | 1,500 | 1,500 | X: BLANKSPACE | | |
| M: CU-1/FCU-1 | 1,200 | 1,200 | 15 | 30A-2P | BLANKSPACE | 16 | 0 | 0 | X: BLANKSPACE | | |
| M: | 1,200 | 1,200 | 17 | BLANKSPACE | BLANKSPACE | 18 | 0 | 0 | X: BLANKSPACE | | |
| X: BLANKSPACE | 0 | 0 | 19 | BLANKSPACE | BLANKSPACE | 20 | 0 | 0 | X: BLANKSPACE | | |
| SUB TOTAL | | | | | | | 3,192 | 3,900 | 9,750 | 8,550 | SUB TOTAL |

| DATE: | REV: | DESCRIPTION: |
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| | | |
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| | | |
| | | |

BOXABL INC.

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NORTH LAS VEGAS, NV 89115, USA

+1(702) 500-9000 HELLO@BOXABL.COM

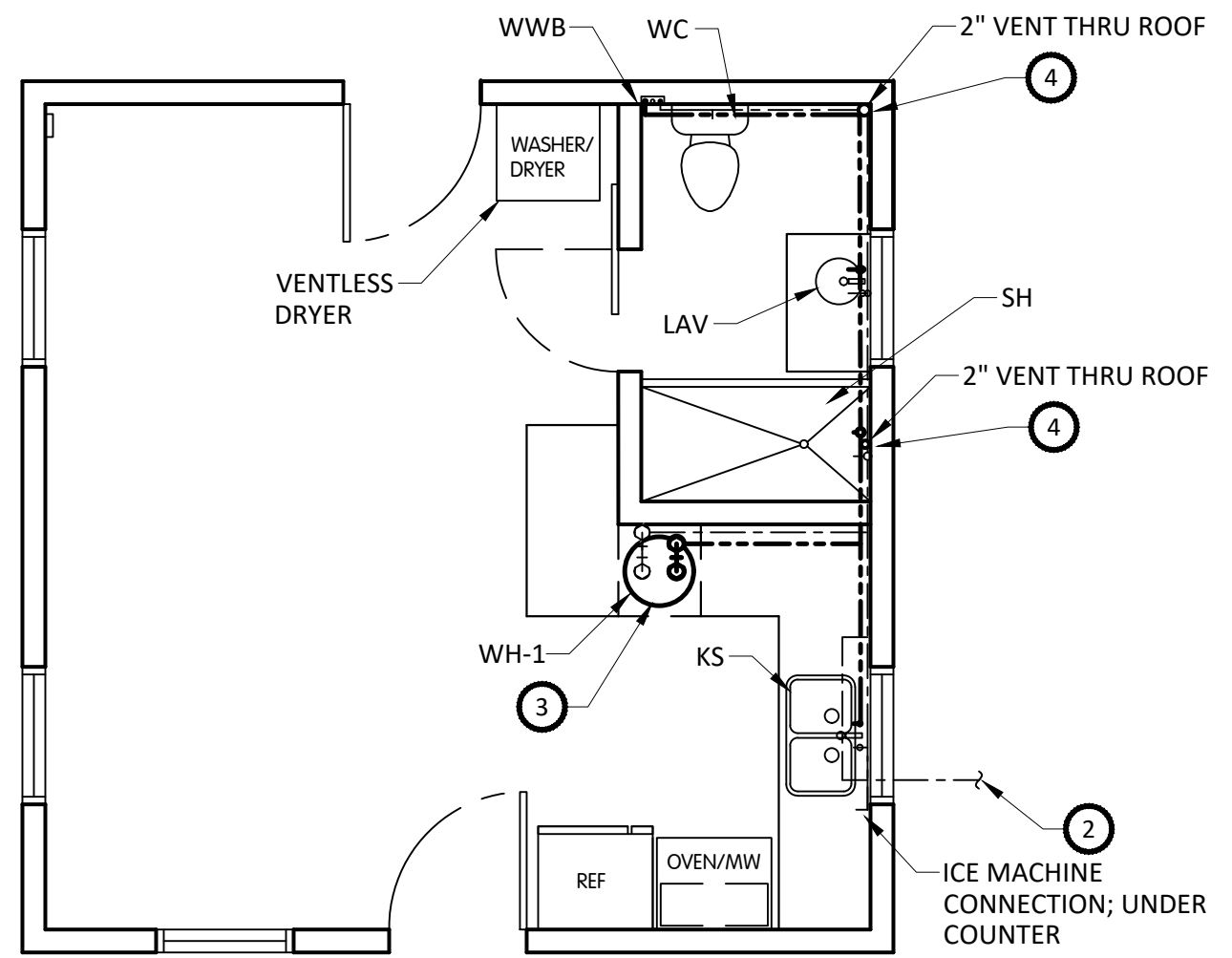
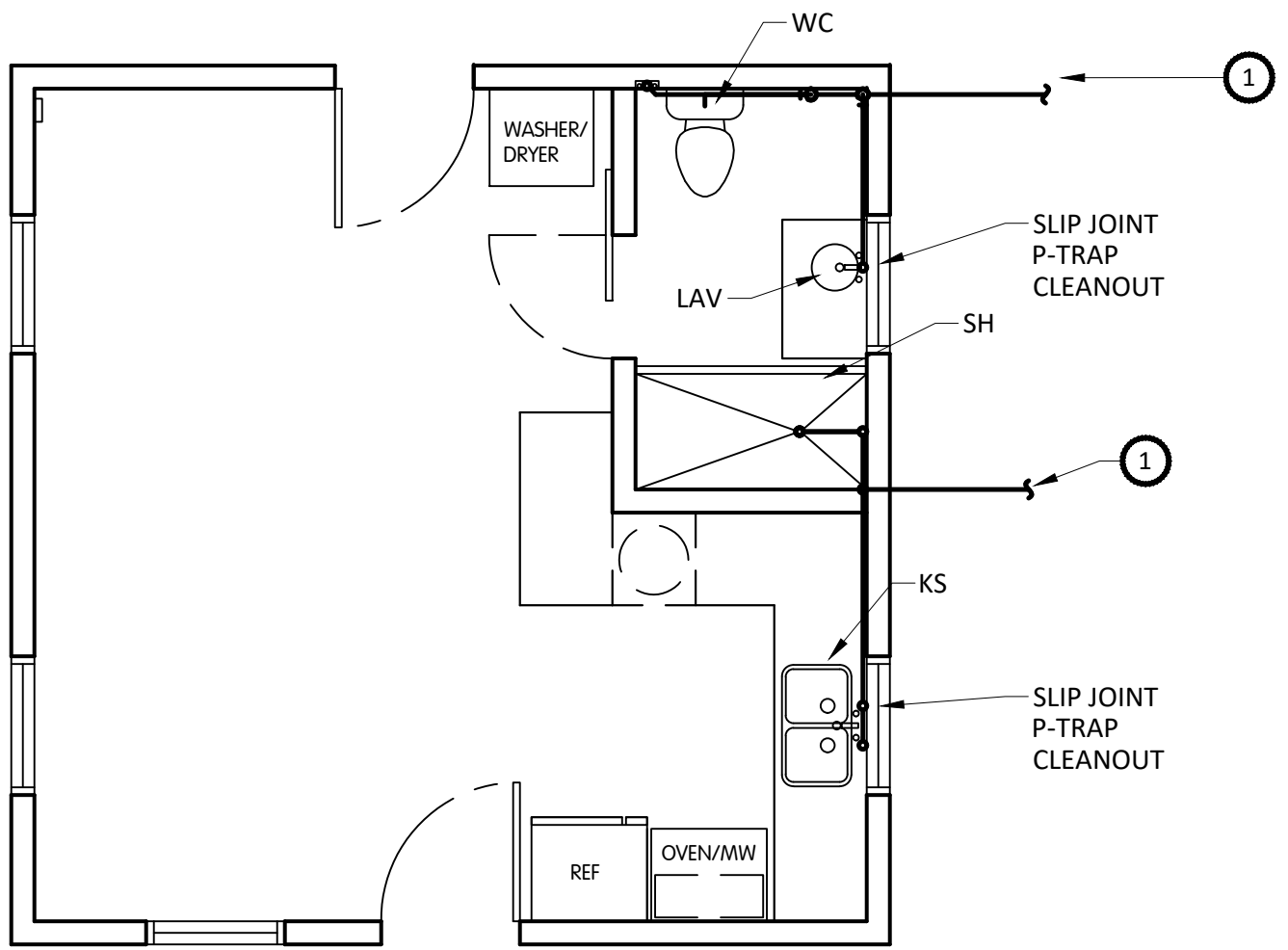
MODEL: 2 DOOR CASITA
BXB-000009

SHEET: E2.0

PROPRIETARY AND CONFIDENTIAL

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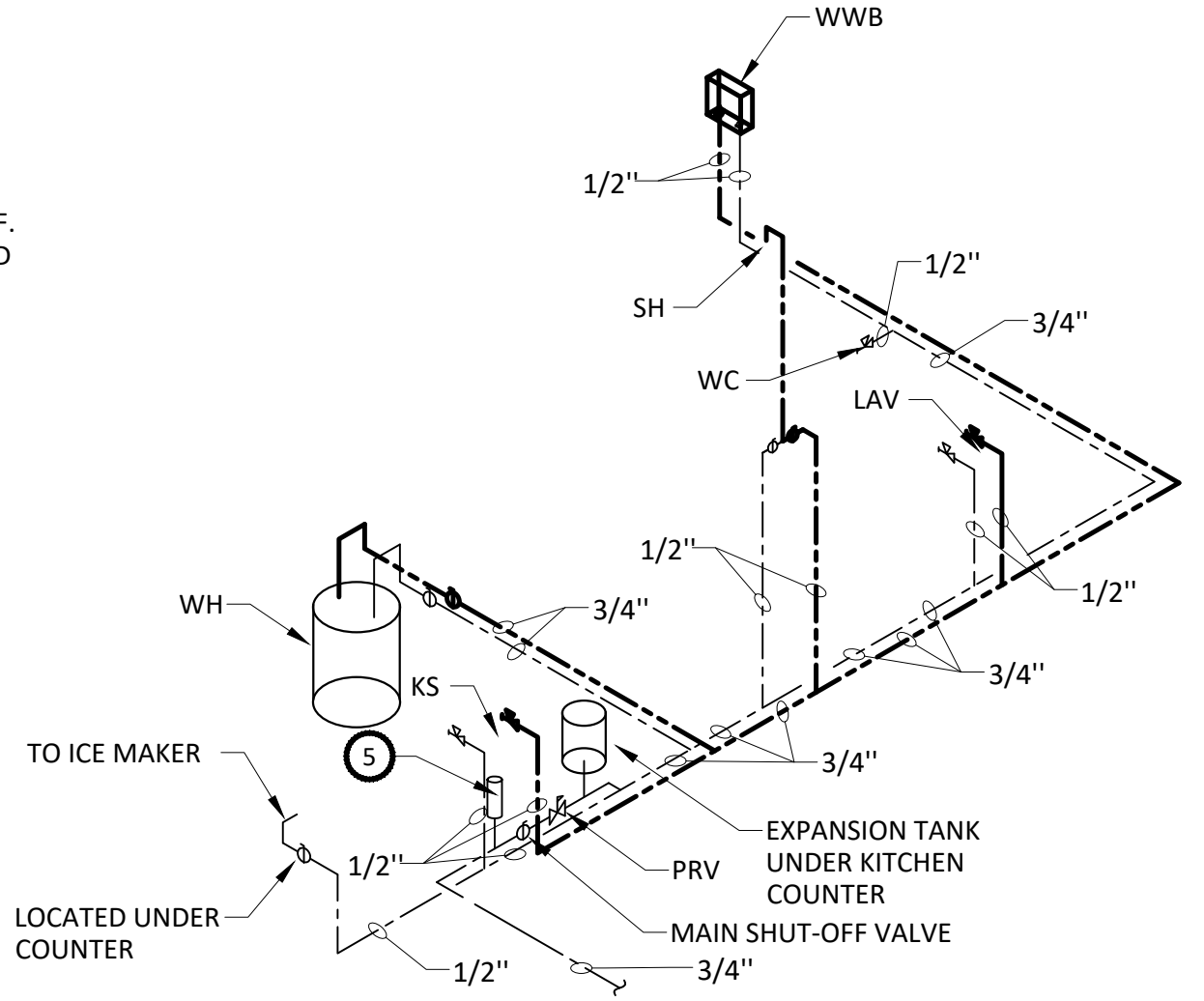
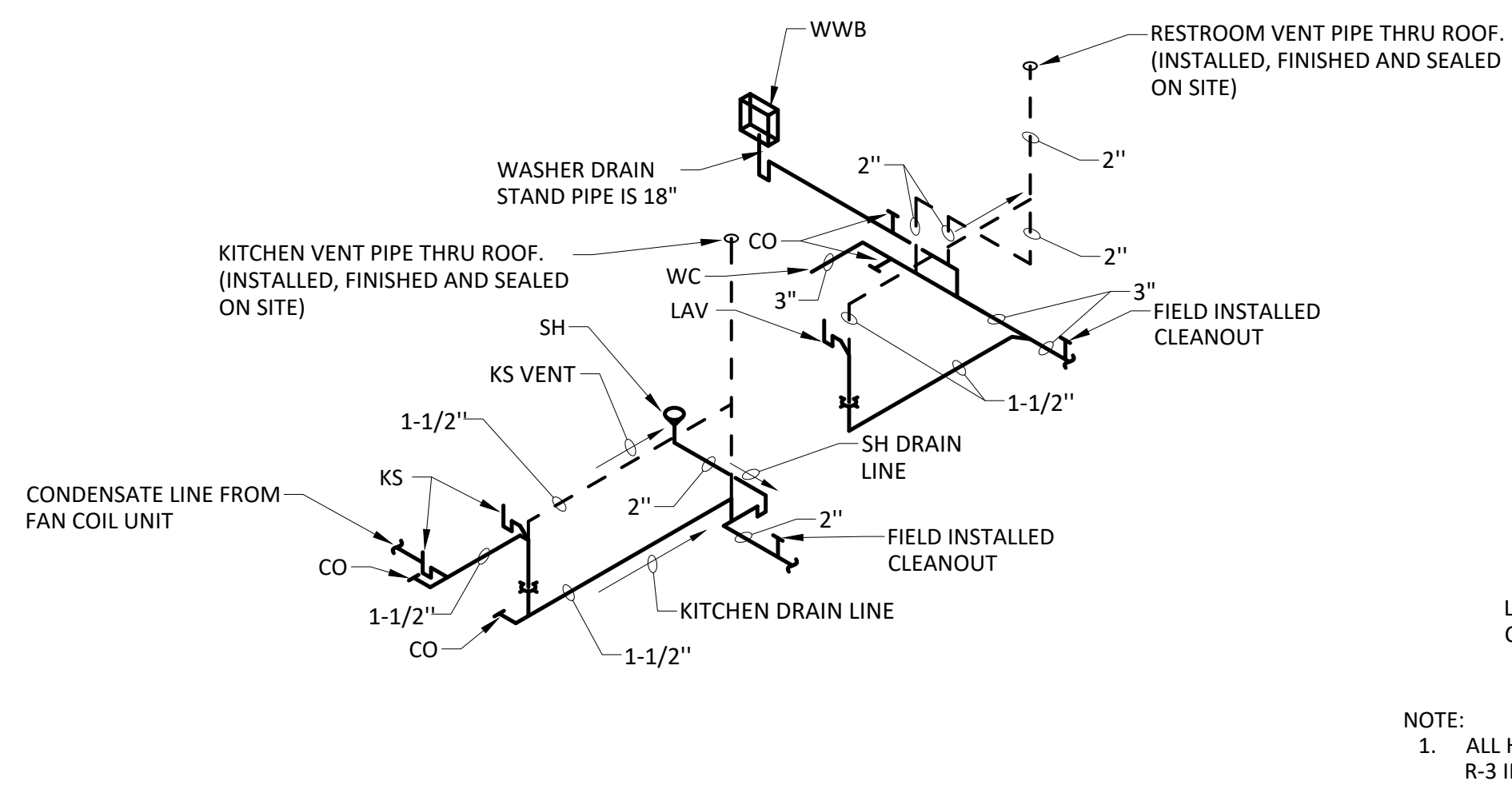


| PLAN NOTES | |
|------------|---|
| 1 | PROVIDE 2" & 3" SANITARY PIPING TO THE NEW BOXABL HOUSE. COORDINATE WITH CIVIL DRAWINGS THE EXACT LOCATION OF THE NEW SANITARY PIPING. |
| 2 | PROVIDE 3/4" DOMESTIC COLD WATER TO NEW BOXABL HOUSE. COORDINATE WITH CIVIL DRAWINGS THE EXACT LOCATION OF THE NEW DOMESTIC COLD WATER PIPING. |
| 3 | ACCESS TO THE TANK WATER HEATER IS THRU A REMOVABLE PANEL IN THE CABINET. |
| 4 | 2" VENT THRU ROOF, SEE PIPING ISOMETRICS FOR ALL VENT PIPING. 2" COUPLING HUB AT EXTERIOR ROOF PANEL FOR ROOF VENT CONNECTION ON SITE. VENT SHALL BE 10' ABOVE BOTTOM OF FLOOR OF UNIT. |
| 5 | WHOLE HOUSE WATER HAMMER ARRESTOR MIFAB MODEL CL-A-NPB. WATER HAMMER ARRESTOR TO BE MANUFACTURED BY MIFAB OR AN APPROVED EQUIVALENT. |

NO PLUMBING PIPES/LINES SHALL RUN WITHIN THE WALL/FLOOR/ROOF PANELS

1 PLUMBING SANITARY PLAN
1/4" = 1'-0"

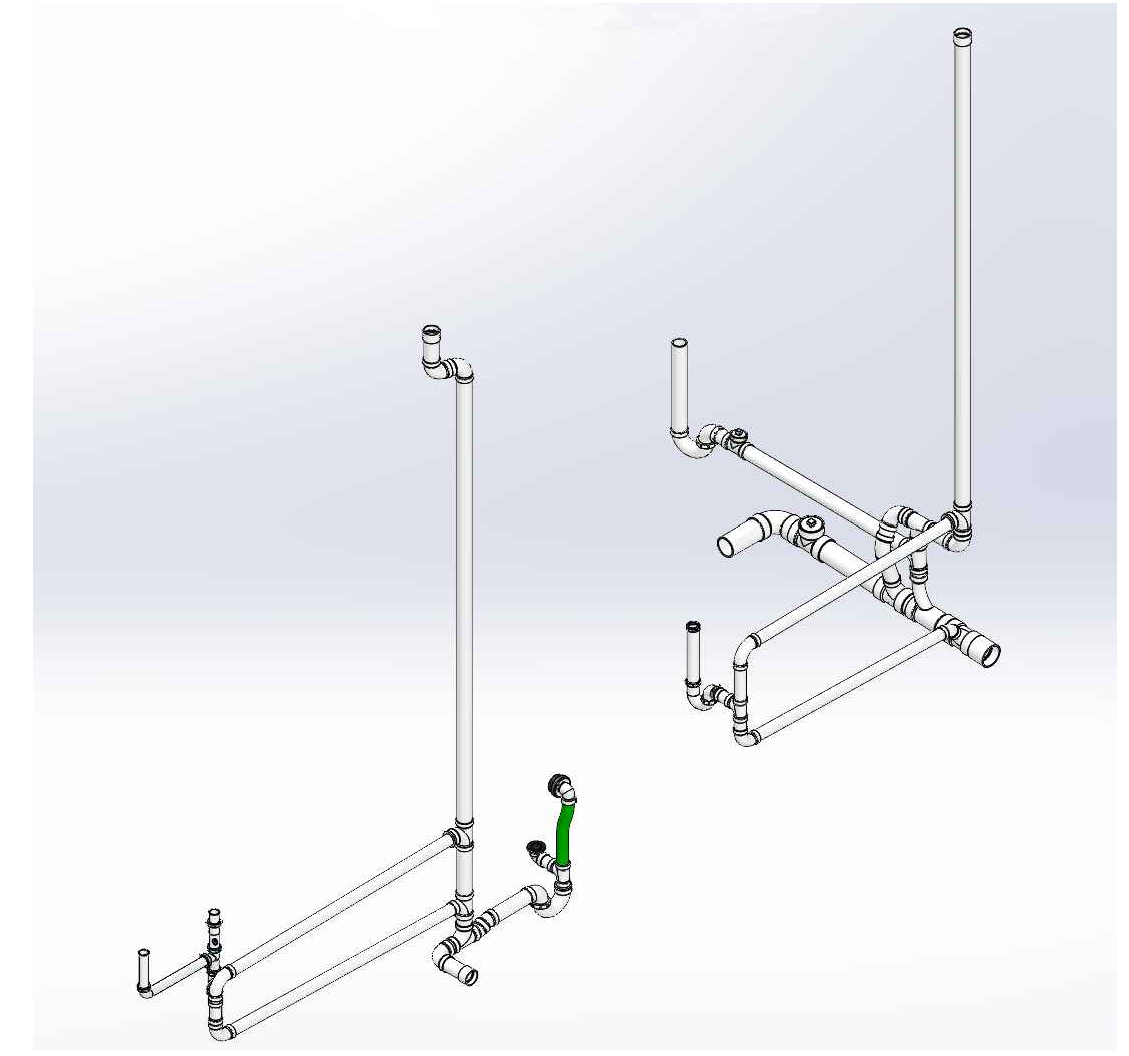
2 PLUMBING DOMESTIC WATER PLAN
1/4" = 1'-0"



NOTE:
1. ALL HOT WATER PIPES SHALL BE WRAPPED WITH INSULATION WITH A MINIMUM R-3 INSULATING VALUE.

3 PLUMBING SANITARY ISOMETRIC
NOT TO SCALE

4 PLUMBING DOMESTIC WATER ISOMETRIC
NOT TO SCALE



PIPING DIAGRAMS
NOT TO SCALE

PLUMBING PLANS

| DATE: | REV: | DESCRIPTION: |
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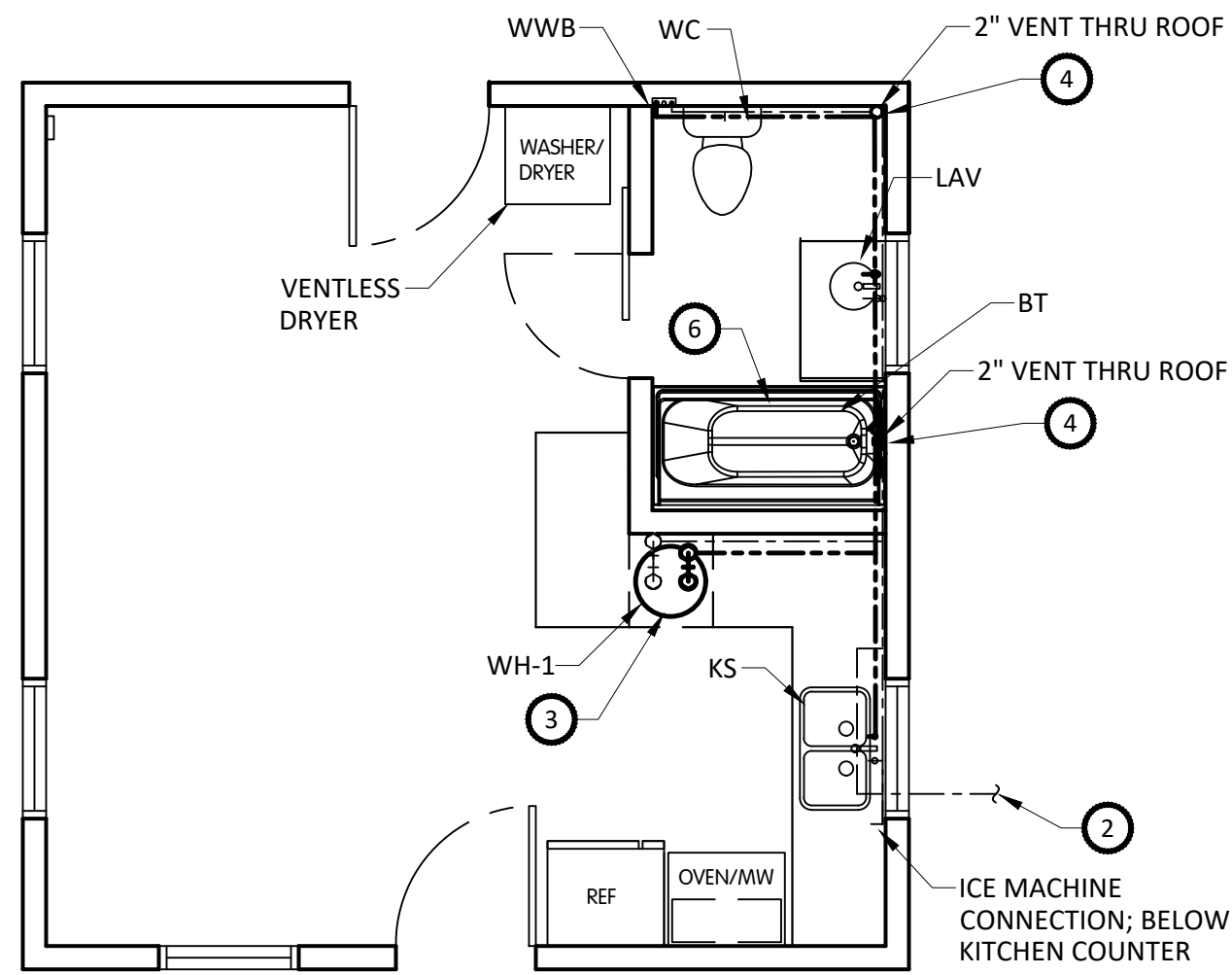
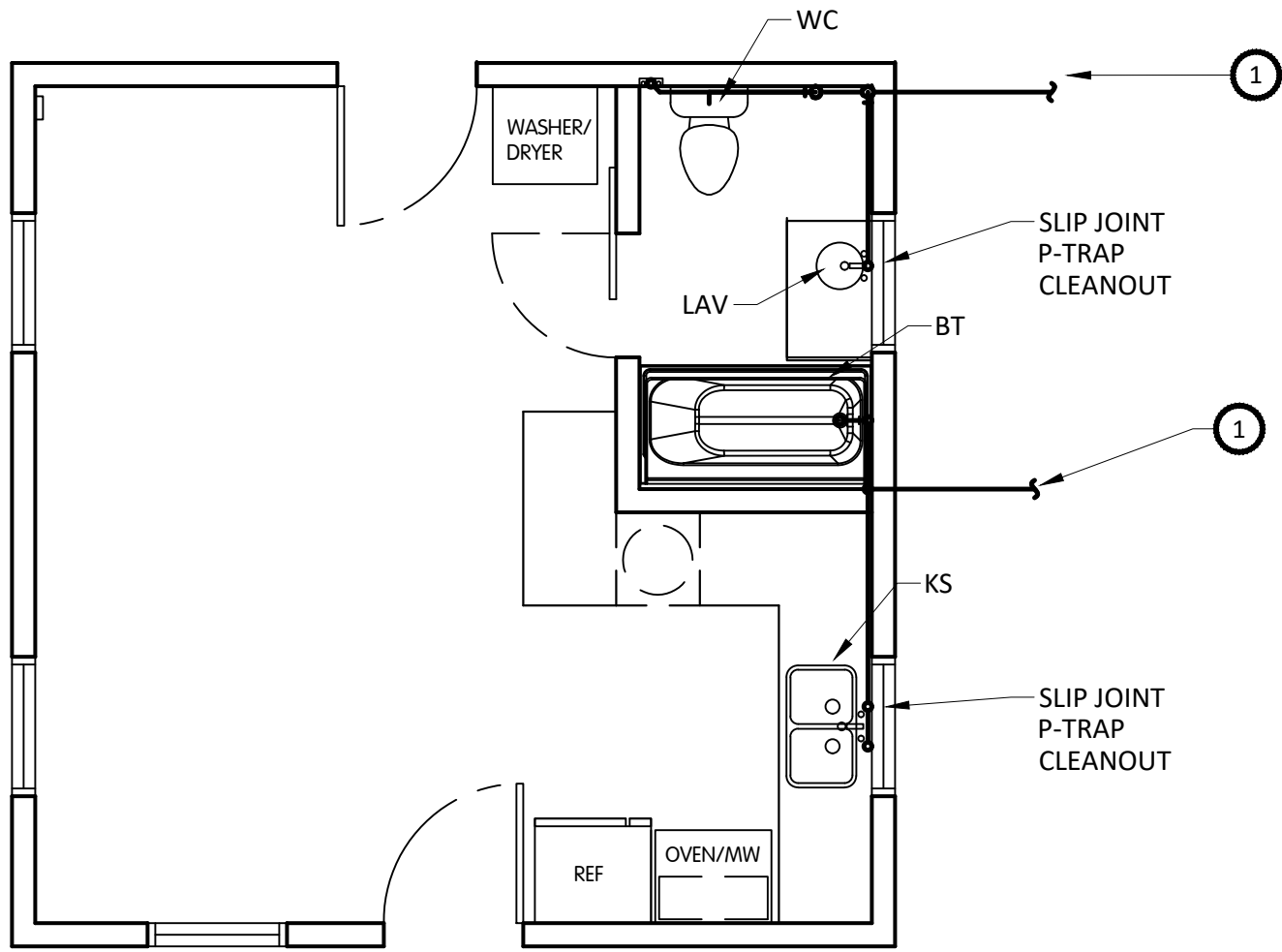
BOXABL INC.
5345 EAST NORTH BELT ROAD
NORTH LAS VEGAS, NV 89115, USA
+1(702) 500-9000 HELLO@BOXABL.COM

MODEL: 2 DOOR CASITA
BXB-000009

SHEET: P2.0 (SHOWER)

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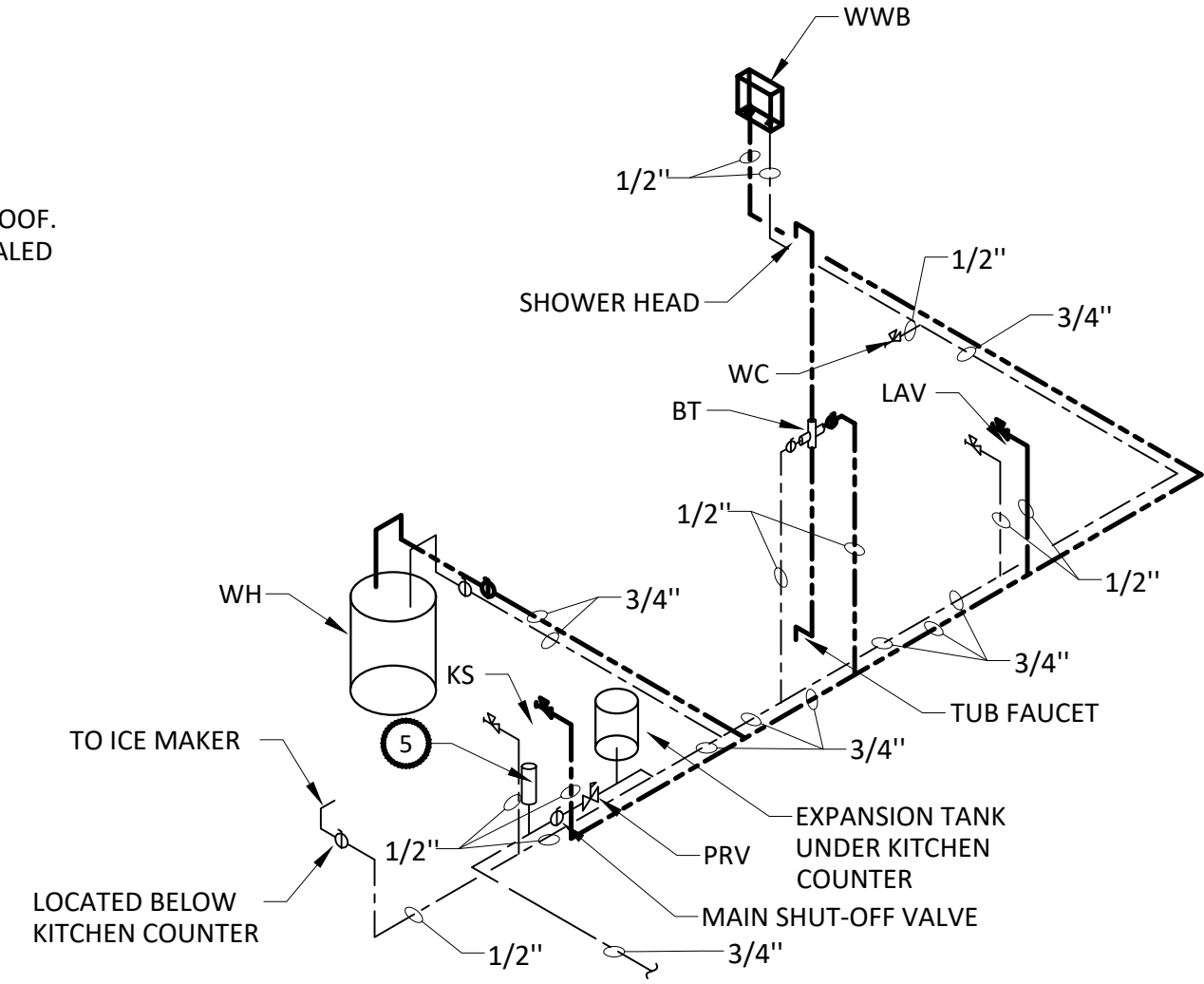
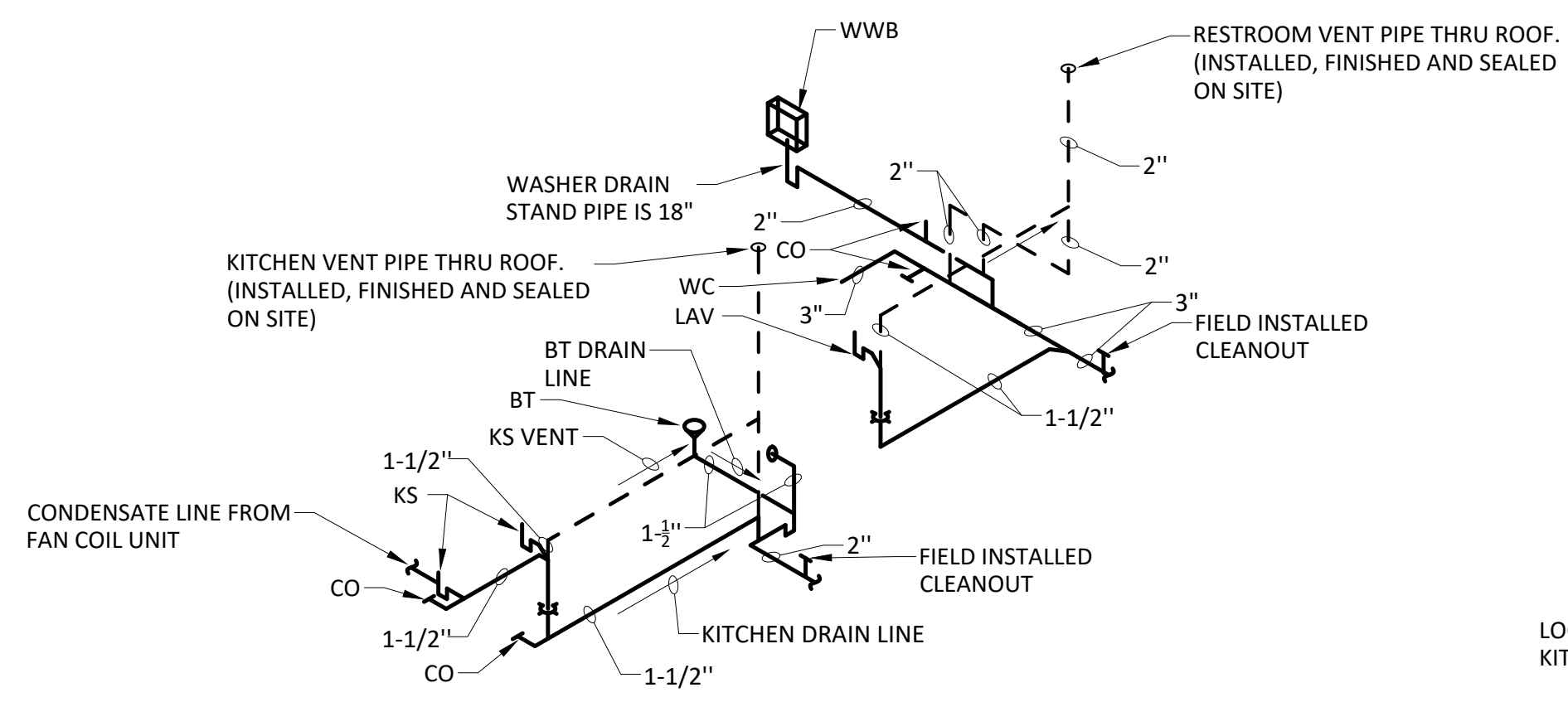


| PLAN NOTES | |
|------------|---|
| 1 | PROVIDE 2" & 3" SANITARY PIPING TO THE NEW BOXABL HOUSE. COORDINATE WITH CIVIL DRAWINGS THE EXACT LOCATION OF THE NEW SANITARY PIPING. |
| 2 | PROVIDE 3/4" DOMESTIC COLD WATER TO NEW BOXABL HOUSE. COORDINATE WITH CIVIL DRAWINGS THE EXACT LOCATION OF THE NEW DOMESTIC COLD WATER PIPING. |
| 3 | ACCESS TO THE TANK WATER HEATER IS THRU A REMOVABLE PANEL IN THE CABINET. |
| 4 | 2" VENT THRU ROOF, SEE PIPING ISOMETRICS FOR ALL VENT PIPING. 2" COUPLING HUB AT EXTERIOR ROOF PANEL FOR ROOF VENT CONNECTION ON SITE. VENT SHALL BE 10' ABOVE BOTTOM OF FLOOR OF UNIT. |
| 5 | WHOLE HOUSE WATER HAMMER ARRESTOR MIFAB MODEL CL-A-NPB. WATER HAMMER ARRESTOR TO BE MAUFACTURED BY MIFAB OR AN APPROVED EQUIVALENT. |
| 6 | PROVIDE BATH TUB, COORDINATE EXACT MODEL, COLOR AND SIZE WITH OWNER. |

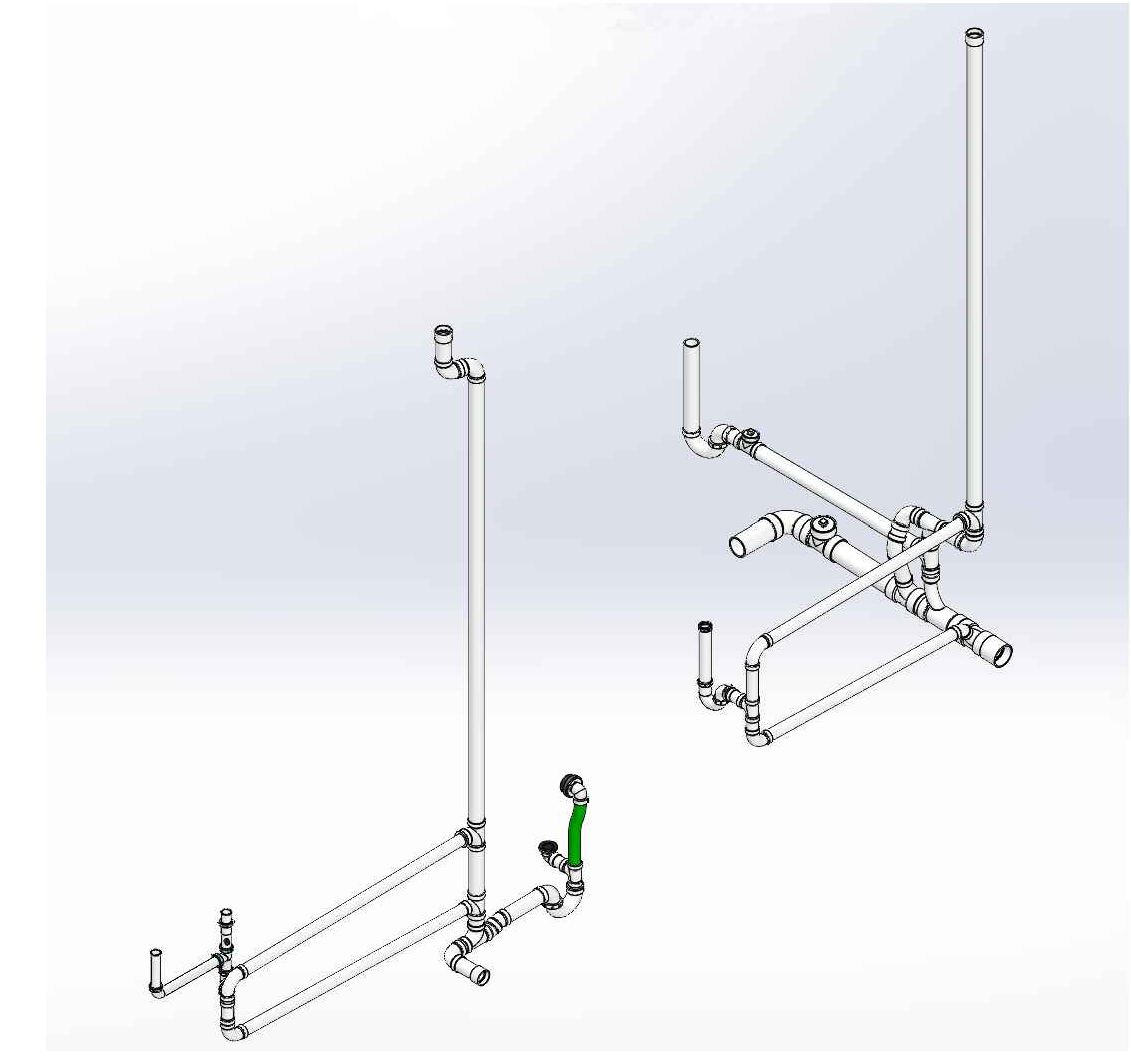
NO PLUMBING PIPES/LINES SHALL RUN WITHIN THE WALL/FLOOR/ROOF PANELS

1 PLUMBING SANITARY PLAN
1/4" = 1'-0"

2 PLUMBING DOMESTIC WATER PLAN
1/4" = 1'-0"



NOTE:
1. ALL HOT WATER PIPES SHALL BE WRAPPED WITH INSULATION WITH A MINIMUM R-3 INSULATING VALUE.



3 PLUMBING SANITARY ISOMETRIC
NOT TO SCALE

4 PLUMBING DOMESTIC WATER ISOMETRIC
NOT TO SCALE

PIPING DIAGRAMS
NOT TO SCALE

PLUMBING PLANS

| DATE: | REV: | DESCRIPTION: |
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BOXABL INC.
5345 EAST NORTH BELT ROAD
NORTH LAS VEGAS, NV 89115, USA
+1(702) 500-9000 HELLO@BOXABL.COM

MODEL: 2 DOOR CASITA
BXB-000009
SHEET: P2.1 (BATHTUB)

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FIXTURE SCHEDULES

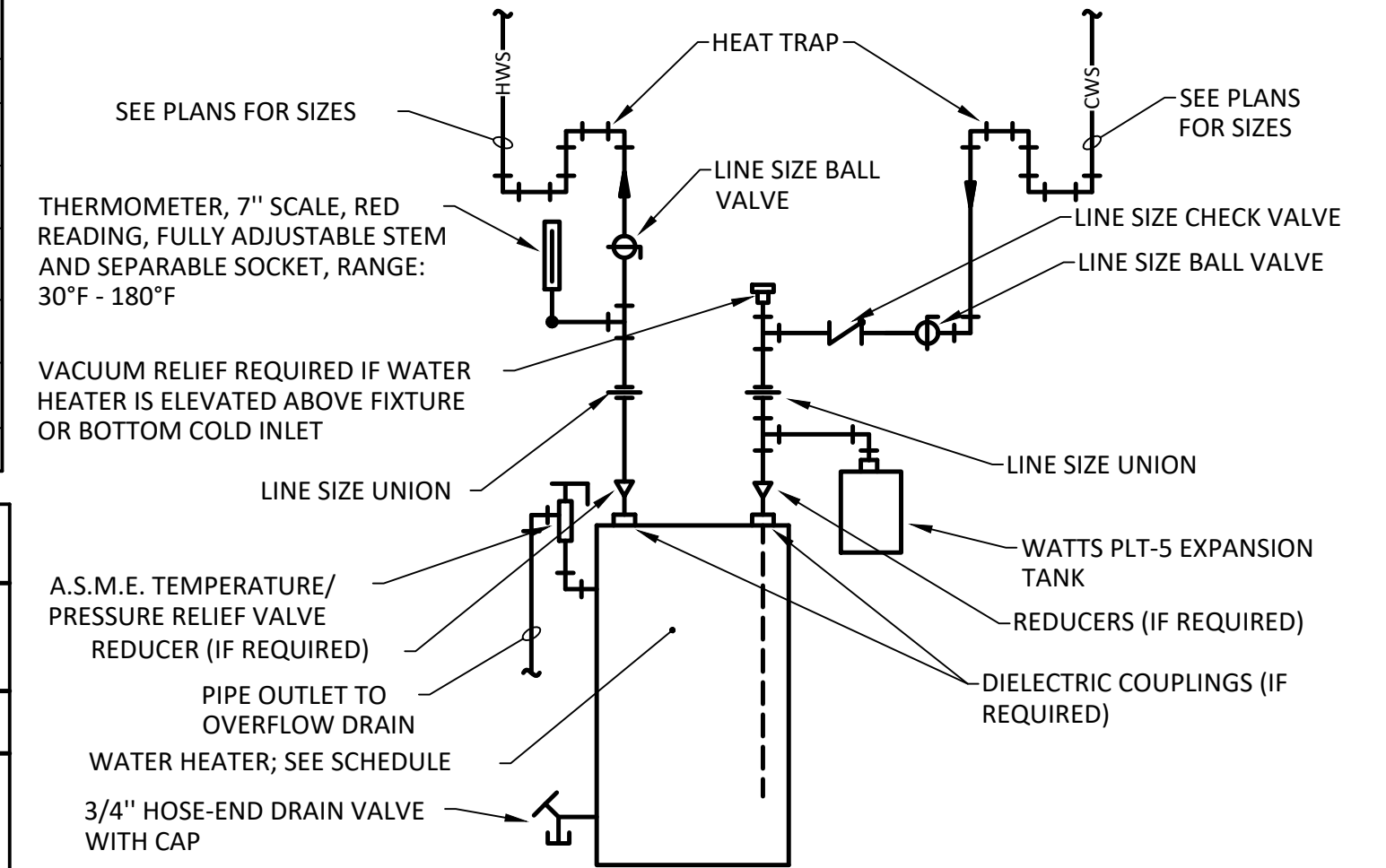
| FIXTURE | TYPE | MFG'R. | MODEL NO. | COLOR | FAUCET | TRAP | TRIM | SUPPLY FITTING | REMARKS |
|---------|-----------------|-------------|-----------|-------------|----------|------------------|-------------|----------------|--------------------|
| WC | WATER CLOSET | SANIFLO | 083 & 005 | WHITE | N/A | INTERGRAL P-TRAP | N/A | 3/8" | 1.28 GALLONS/FLUSH |
| LAV | LAVATORY | BEELEE | BL6790BH | MATTE BLACK | 1.2 GPM | N/A | MATTE BLACK | 3/8" | |
| KS | KITCHEN FAUCET | MOEN | 5925BL | MATTE BLACK | 1.5 GPM | N/A | MATTE BLACK | 3/8" | |
| SH | SHOWER | MOEN | T2472EPBL | MATTE BLACK | 1.75 GPM | N/A | MATTE BLACK | 1/2" | |
| WWB-1 | WASHER WALL BOX | SIOUX CHIEF | 688-G10 | WHITE | N/A | N/A | N/A | 2 @1/2" | |

NOTE: FIXTURES TO BE PROVIDED BY MANUFACTURER AS SCHEDULED OR AN APPROVED EQUIVALENT.

WATER HEATER SCHEDULE

| DESIG'N. | TYPE | MFG'R. | MODEL NO. | STORAGE GALLON CAPACITY | FIRST HOUR RATING GALLONS | ELECTRICAL | | | RECOVERY AT 80°F RISE | TANK LINING | WARRANTY | UEF | REMARKS |
|----------|------|----------------|-----------|-------------------------|---------------------------|------------|---------|--------|-----------------------|-------------|----------|------|---------|
| | | | | | | KW | VOLTAGE | PHASE | | | | | |
| WH-1 | TANK | BRADFORD WHITE | RE130L6 | 28 | 45 | 4.5 | 240 | SINGLE | 23 | YES | YES | 0.95 | |

NOTE: WATER HEATER TO BE MANUFACTURED BY BRADFORD WHITE OR AN APPROVED EQUAL. WATER HEATER IS UNVENTED TYPE AND IS NOT PROVIDED WITH A FLUE COLLAR. WATER HEATER DOES NOT HAVE A VENT CONNECTION PER MANUFACTURER INSTALLATION MANUAL. WATER HEATER IS LISTED TO UL 174 WHICH DOES NOT STATE ANY REQUIREMENT FOR ELECTRIC WATER HEATER VENTILATION.



DOMESTIC WATER HEATER PIPING DETAIL - ELECTRIC
NOT TO SCALE

WATER SUPPLY FIXTURE UNITS

| Quantity | Fixture Tag | Fixture | Occupancy | Type of Supply Control | Load Values in water supply fixture units (wsfu) | | | Total Load Values in water supply fixture units (wsfu) | | | |
|-------------------|-------------|------------------------|-----------|------------------------|--|------|-------|--|------|-------|------|
| | | | | | Cold | Hot | Total | Cold | Hot | Total | |
| 1 | DW | Dishwashing machine | Private | Automatic | 0.00 | 1.40 | 1.40 | 1.40 | 0.00 | 1.40 | 1.40 |
| 1 | IM | Ice Machine | Private | 3/8" valve | 0.50 | 0.00 | 0.50 | 0.50 | 0.00 | 0.50 | |
| 1 | KS | Kitchen Sink | Private | Faucet | 1.00 | 1.00 | 1.40 | 1.00 | 1.00 | 1.40 | |
| 1 | LAV | Lavatory | Private | Faucet | 0.50 | 0.50 | 0.70 | 0.50 | 0.50 | 0.70 | |
| 1 | SH | Shower head | Private | Mixing valve | 1.00 | 1.00 | 1.40 | 1.00 | 1.00 | 1.40 | |
| 1 | WM | Washing Machine (8 lb) | Private | Automatic | 1.00 | 1.00 | 1.40 | 1.00 | 1.00 | 1.40 | |
| 1 | WC | Water closet | Private | Flush tank | 2.20 | 0.00 | 2.20 | 2.20 | 0.00 | 2.20 | |
| Total WSFU | | | | | | | | 6.20 | 4.90 | 9.00 | |

UNION

DRAINAGE FIXTURE UNITS

| Tag | Fixture Type | Drainage Fixture Unit Value As Load Factors | Minimum Size of Trap (inches) | Total Drainage Fixture Unit Value As Load Factors |
|--------------------|--|---|-------------------------------|---|
| | Automatic clothes washers, residential | 2.00 | 2.00 | 2.00 |
| | Dishwashing machine, domestic | 2.00 | 1.50 | 2.00 |
| | Kitchen sink, domestic | 2.00 | 1.50 | 2.00 |
| | Lavatory | 1.00 | 1.25 | 1.00 |
| | Shower Flow Rate 5.7 gpm or less | 2.00 | 2.00 | 2.00 |
| | Water closet, private (1.6 gpf) | 3.00 | 3.00 | 3.00 |
| Total DFU's | | | | 12.00 |

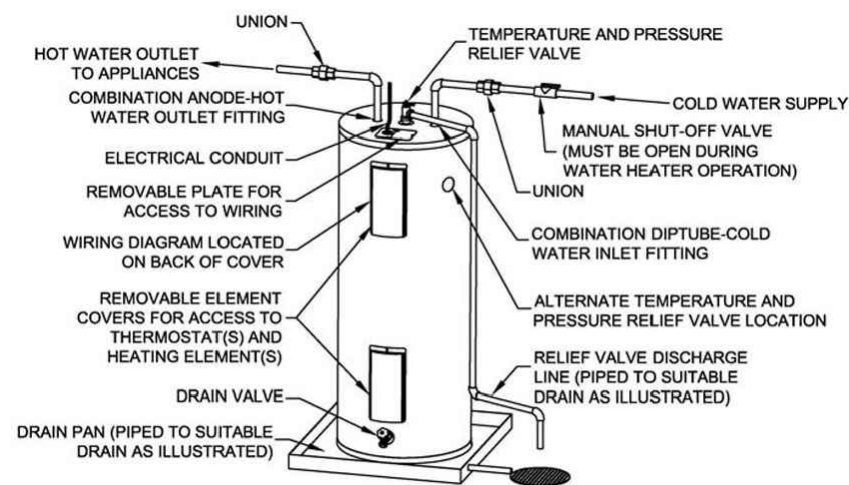


Figure 1A (Top Inlet Models)

| General Features | | Performance | |
|--|---------------------|-------------------------------------|------------|
| Rated Nominal Volume (Gallons): | 28 | Element Watts: | 4500 |
| DOE Rated Storage Volume (Gallons): | 23 | First Hour Delivery Rating (Gal.): | 45 |
| Fuel Type: | Electric | Uniform Energy Factor (UEF): | 0.95 |
| Energy Star: | No | Recovery at 90°F Rise (GPH): | 21 |
| Connectivity: | Not WiFi Compatible | | |
| Weights and Dimensions | | Venting and Connection Requirements | |
| Overall Height (in.): | 31.813 | Venting: | Non-Vented |
| Height (Floor To Top of Heater - in.): | 29.563 | Water Connection Size (in.): | 3/4" NPT |
| Jacket Diameter (in.): | 20 | | |
| Weight (lbs.): | 108 | | |

DOMESTIC WATER HEATER TECHNICAL INFORMATION
NOT TO SCALE

PLUMBING DETAILS

| DATE: | REV: | DESCRIPTION: |
|-------|------|--------------|
| | | |
| | | |
| | | |
| | | |

BOXABL INC.

5345 EAST NORTH BELT ROAD
NORTH LAS VEGAS, NV 89115, USA

+1(702) 500-9000 HELLO@BOXABL.COM

MODEL: 2 DOOR CASITA
BXB-000009

SHEET: P3.0 (SHOWER)

PROPRIETARY AND CONFIDENTIAL

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FIXTURE SCHEDULES

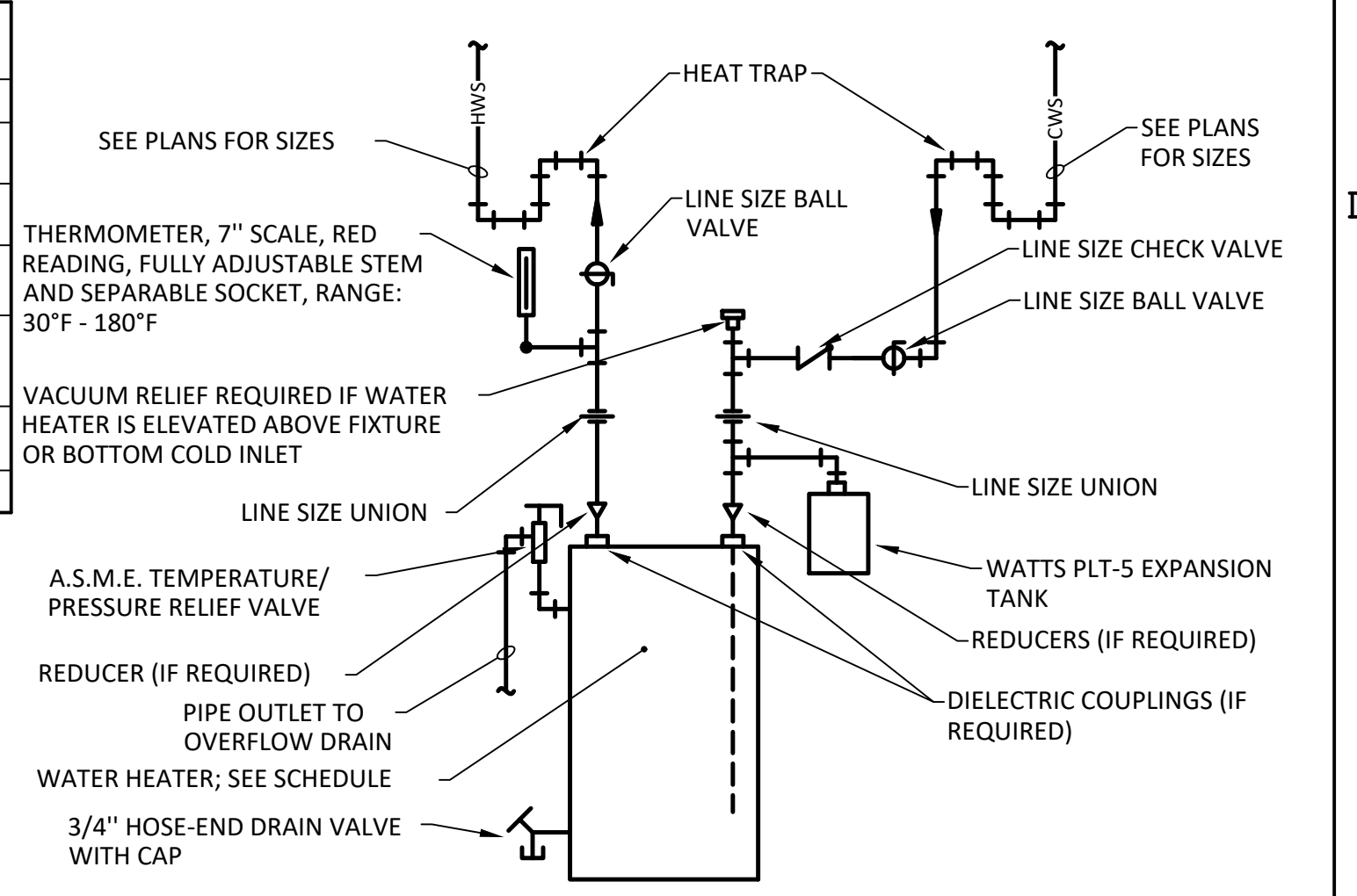
| FIXTURE | TYPE | MFG'R. | MODEL NO. | COLOR | FAUCET | TRAP | TRIM | SUPPLY FITTING | REMARKS |
|---------|-----------------|------------------------------------|--|---|----------|------------------|-------------|----------------|--|
| WC | WATER CLOSET | SANIFLO | 083 & 005 | WHITE | N/A | INTERGRAL P-TRAP | N/A | 3/8" | 1.28 GALLONS/FLUSH |
| LAV | LAVATORY | BEELEE | BL6790BH | MATTE BLACK | 1.2 GPM | N/A | MATTE BLACK | 3/8" | |
| KS | KITCHEN FAUCET | MOEN | 5925BL | MATTE BLACK | 1.5 GPM | N/A | MATTE BLACK | 3/8" | |
| BT | TUB/SHOWER | FAUCET: MOEN FIXTURE: AQUAMATIC | FAUCET: T2473EPBL FIXTURE: 6032STTM OR 2603SMTH | FAUCET: MATTE BLACK FIXTURE: PER OWNER | 1.75 GPM | N/A | MATTE BLACK | 1/2" | PROVIDE WITH INTEGRAL GRAB BAR SUPPORT |
| WWB-1 | WASHER WALL BOX | SIoux CHIEF | 688-G10 | WHITE | N/A | N/A | N/A | 2 @ 1/2" | |

NOTE: FIXTURES TO BE PROVIDE BY MANUFACTURER AS SCHEDULED OR AN APPROVED EQUIVALENT.

WATER HEATER SCHEDULE

| DESIG'N. | TYPE | MFG'R. | MODEL NO. | STORAGE GALLON CAPACITY | FIRST HOUR RATING GALLONS | ELECTRICAL | | | RECOVERY AT 80°F RISE | TANK LINING | WARRANTY | UEF | REMARKS |
|----------|------|----------------|-----------|-------------------------|---------------------------|------------|---------|--------|-----------------------|-------------|----------|------|---------|
| | | | | | | KW | VOLTAGE | PHASE | | | | | |
| WH-1 | TANK | BRADFORD WHITE | RE130L6 | 28 | 45 | 4.5 | 240 | SINGLE | 23 | YES | YES | 0.95 | |

NOTE: WATER HEATER TO BE MANUFACTURED BY BRADFORD WHITE OR AN APPROVED EQUAL. WATER HEATER IS UNVENTED TYPE AND IS NOT PROVIDED WITH A FLUE COLLAR. WATER HEATER DOES NOT HAVE A VENT CONNECTION PER MANUFACTURER INSTALLATION MANUAL. WATER HEATER IS LISTED TO UL 174 WHICH DOES NOT STATE ANY REQUIREMENT FOR ELECTRIC WATER HEATER VENTILATION.

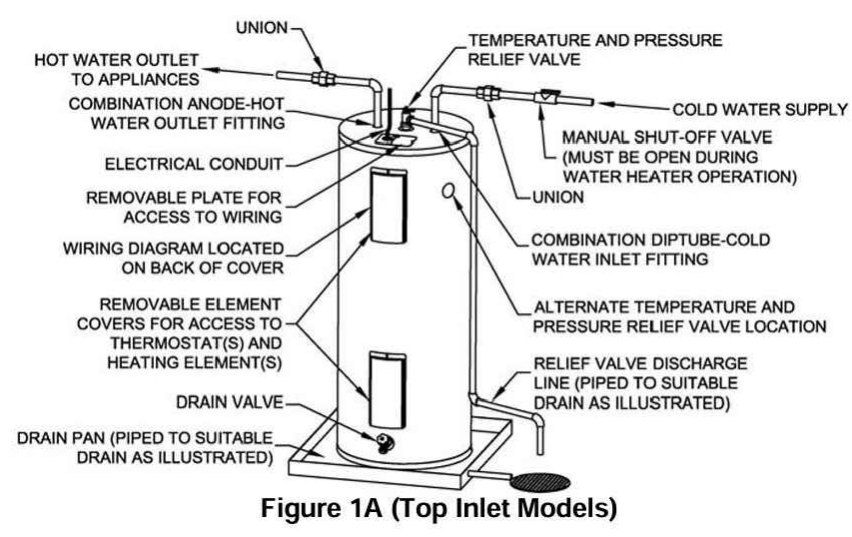


WATER SUPPLY FIXTURE UNITS

| Quantity | Fixture Tag | Fixture | Occupancy | Type of Supply Control | Load Values in water supply fixture units (wsfu) | | | Total Load Values in water supply fixture units (wsfu) | | |
|-------------------|-------------|------------------------|-----------|------------------------|--|------|-------|--|------|-------|
| | | | | | Cold | Hot | Total | Cold | Hot | Total |
| 1 | DW | Dishwashing machine | Private | Automatic | 0.00 | 1.40 | 1.40 | 0.00 | 1.40 | 1.40 |
| 1 | IM | Ice Machine | Private | 3/8" valve | 0.50 | 0.00 | 0.50 | 0.50 | 0.00 | 0.50 |
| 1 | KS | Kitchen Sink | Private | Faucet | 1.00 | 1.00 | 1.40 | 1.00 | 1.00 | 1.40 |
| 1 | LAV | Lavatory | Private | Faucet | 0.50 | 0.50 | 0.70 | 0.50 | 0.50 | 0.70 |
| 1 | BT | Tub/Shower | Private | Mixing valve | 1.00 | 1.00 | 1.40 | 1.00 | 1.00 | 1.40 |
| 1 | WM | Washing Machine (8 lb) | Private | Automatic | 1.00 | 1.00 | 1.40 | 1.00 | 1.00 | 1.40 |
| 1 | WC | Water closet | Private | Flush tank | 2.20 | 0.00 | 2.20 | 2.20 | 0.00 | 2.20 |
| Total WSFU | | | | | | | | 6.20 | 4.90 | 9.00 |

DRAINAGE FIXTURE UNITS

| Quantity | Fixture Tag | Fixture Type | Drainage Fixture Unit Value As Load Factors | Minimum Size of Trap (inches) | Total Drainage Fixture Unit Value As Load Factors |
|--------------------|-------------|--|---|-------------------------------|---|
| 1 | WM | Automatic clothes washers, residential | 2.00 | 2.00 | 2.00 |
| 1 | DW | Dishwashing machine, domestic | 2.00 | 1.50 | 2.00 |
| 1 | KS | Kitchen sink, domestic | 2.00 | 1.50 | 2.00 |
| 1 | LAV | Lavatory | 1.00 | 1.25 | 1.00 |
| 1 | BT | Tub/Shower Flow Rate 5.7 gpm or less | 2.00 | 2.00 | 2.00 |
| 1 | WC | Water closet, private (1.6 gpf) | 3.00 | 3.00 | 3.00 |
| Total DFU's | | | | | 12.00 |



DOMESTIC WATER HEATER TECHNICAL INFORMATION

NOT TO SCALE

| General Features | | Performance | |
|--|---------------------|--|------------|
| Rated Nominal Volume (Gallons): | 28 | Element Watts: | 4500 |
| DDE Rated Storage Volume (Gallons): | 23 | First Hour Delivery Rating (Gal.): | 45 |
| Fuel Type: | Electric | Uniform Energy Factor (UEF): | 0.95 |
| Energy Star: | No | Recovery at 90°F Rise (GPH): | 21 |
| Connectivity: | Not WiFi Compatible | Venting and Connection Requirements | |
| Weights and Dimensions | | Venting: | Non-Vented |
| Overall Height (in.): | 31.813 | Water Connection Size (in.): | 3/4" NPT |
| Height (Floor To Top of Heater - in.): | 29.563 | | |
| Jacket Diameter (in.): | 20 | | |
| Weight (lbs.): | 108 | | |

| DATE: | REV: | DESCRIPTION: |
|-------|------|--------------|
| | | |
| | | |
| | | |
| | | |

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NORTH LAS VEGAS, NV 89115, USA

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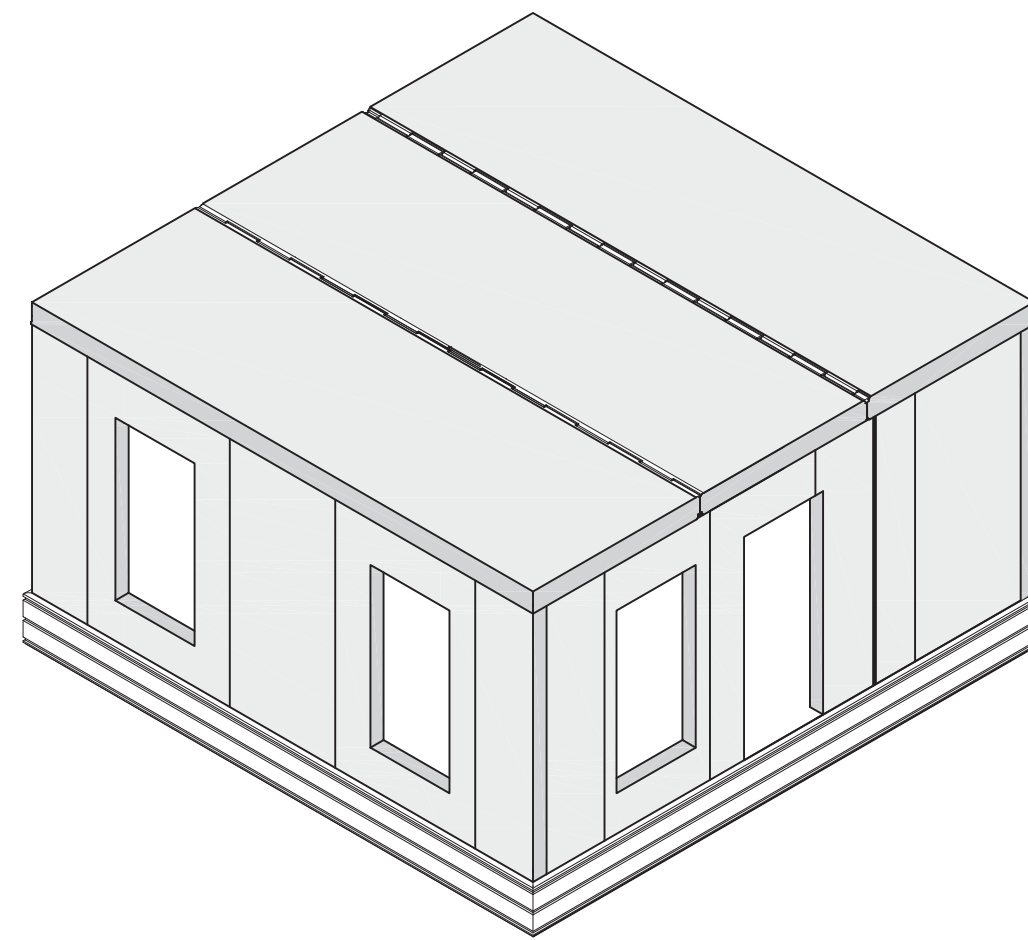
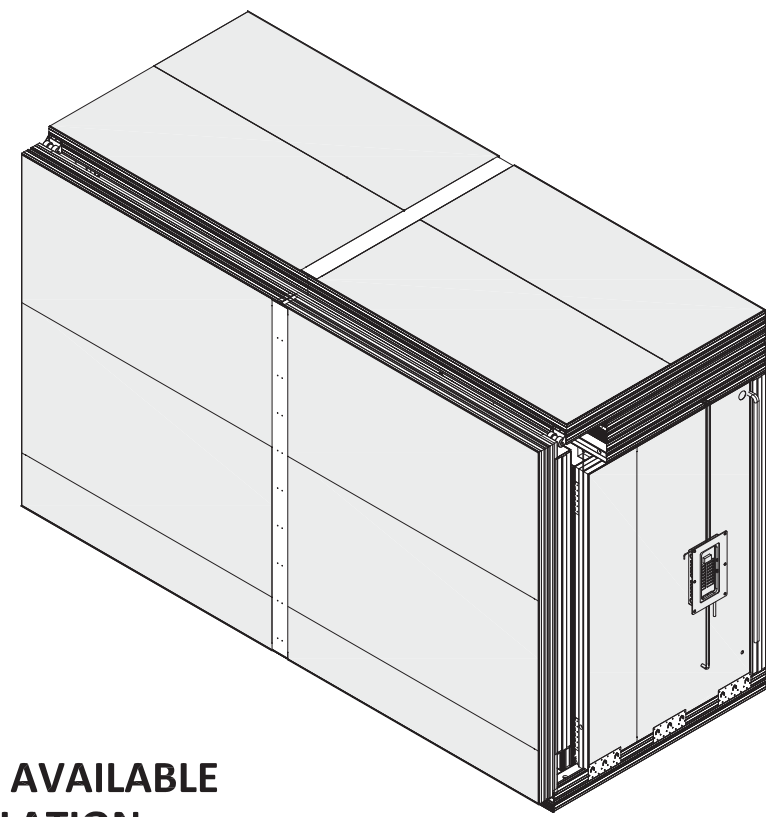
MODEL: 2 DOOR CASITA
BXB-000009

SHEET: P3.1 (BATHTUB)

PLUMBING DETAILS

PROPRIETARY AND CONFIDENTIAL

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF BOXABL INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF BOXABL INC. IS PROHIBITED.



2-Door Studio Casita

Model # BXB-000009

SITE STRUCTURAL REQUIREMENTS

WIND, SNOW, & SEISMIC LIMITS
CASITA-TO-FOUNDATION CONNECTIONS
OPTIONAL TRUSS INFORMATION

BOXABL SERVICES AVAILABLE FOR ROOF INSTALLATION:

- ROOF PITCH OPTIONS
- EPS OVER STANDARD TPO ROOFING

OPTIONAL PRE-ENGINEERED WOOD TRUSSES:

- TRUSSES TO BE FABRICATED BY A CERTIFIED MEMBER OF THE TRUSS PLATE INSTITUTE AND SHALL COMPLY WITH THEIR STANDARDS.
- CONNECTING PLATES SHALL BE IBC/ICBO APPROVED.
- ALL TRUSSES MEMBERS SHALL HAVE LUMBER GRADE STAMPS.
- THE TRUSS DESIGN AND ERECTION DRAWINGS SHALL BE MADE BY A PROFESSIONAL STRUCTURAL ENGINEER LICENSED IN THE STATE IN QUESTION.
- ERECTION PLANS SHALL SHOW THE TRUSS SPACING, TRUSS MARK (CALCULATION) NUMBERS, CONCENTRATED LOADS, & PERMANENT BRACING/BLOCKING AS REQUIRED BY THE TRUSS DESIGN.
- SHOP DRAWINGS SHALL INCLUDE DIMENSIONS, CONFIGURATIONS, NOMINAL LUMBER SIZE AND GRADE, SPECIFICATIONS FOR CONNECTOR PLATES, THEIR SIZE AND LOCATIONS.
- SEE SHEET S6, S7, & S8 FOR MORE INFO.

ROOF REQUIREMENTS & LIMITATIONS:

A SLOPED ROOF SYSTEM MUST BE INSTALLED ON-SITE USING ONE OF THE OPTIONS SHOWN ON SHEET S5 THRU S9. MAXIMUM ALLOWED TRUSS ROOF PITCHES, AS NOTED ON S6, S7 AND S8 ARE ACCOUNTED FOR IN THE STRUCTURAL CALCULATIONS FOR THE CASITAS WITH THESE OPTIONS.

MAXIMUM ROOFING WEIGHT OVER OPTIONAL TRUSSES : 16 psf
MINIMUM TAPERED INSULATION SLOPE: $\frac{1}{4}$: 12.
MAXIMUM TAPERED INSULATION SLOPE $\frac{5}{16}$: 12 UNLESS FLOOR/FOUNDATION CONN. PL'S FOR TRUSS OPTIONS ARE USED PER THE S4 SERIES OF DRAWINGS.

MAXIMUM TAPERED ROOFING WEIGHT:
2 psf + 0.7 psf x (MAX. ALLOW. GROUND SNOW LOAD - ACTUAL GROUND SNOW LOAD)

MAXIMUM WEIGHT OF OPTIONAL ROOF TRUSS SYSTEM, INCLUDING SHEATHING & ROOFING = 16 psf UNLESS APPROVED BY THE ENGINEER (INCLUDES A MAXIMUM ALLOWED WT OF CONCRETE TILE (IF USED) = 7 psf.

SEE SHEETS S5, S6, S7, S8 & S9 FOR FULL RANGE OF ROOF OPTIONS INCLUDING REQ'D MINIMUM SLOPE FOR TAPERED INSULATION ROOFS & MINIMUM & MAXIMUM SLOPES FOR ROOF TRUSSES.

OPTIONAL EXTERIOR WALL CLADDING OPTIONS:

ONE-COAT STUCCO (MAX. WT = 6 psf) OR HARDI[®] PANELS (INCLUDING STUCCO TEXTURED PANELS) ARE ACCEPTABLE OPTIONS. FOR ONE-COAT STUCCO : ATTACHED LATH OVER PAPER BACKING TO WALL WITH WAFER HEAD STYLE #10 SELF-PIERCING SHEET METAL SCREWS AT 9" oc EA WAY.
FOR HARDI[®] PANELS : USE SAME FASTENERS & SPACING AS FOR STUCCO.

FASTENERS IN BOTH CASES SHOULD BE CORROSION RESISTANT, GALVANIZED, OR STAINLESS STEEL. STAINLESS STEEL IS PARTICULARLY IMPORTANT FOR LOCATIONS NEAR THE OCEAN, LARGE LAKE, OR IN VERY HUMID CLIMATES.

STUCCO TO BE INSTALLED PER RECOMMENDATION OF THE MANUFACTURER, THE STUCCO MANUFACTURER'S RECOMMENDATIONS AND PER THE ARCHITECTURAL DRAWINGS - LIKEWISE FOR HARDI[®] PANELS.

BOXABL ASSUMES NO RESPONSIBILITY FOR WATER INFILTRATION.

SEE ARCHITECTURAL DRAWINGS FOR MORE INFO.

BUILDING PERMIT INFO:

THESE DRAWINGS ARE ONLY FOR USE WHERE STRUCTURAL ENGINEERING IS NOT REQUIRED BY LOCAL, COUNTY, OR STATE AUTHORITIES HAVING JURISDICTION, AND ARE ONLY INTENDED TO AID CUSTOMERS IN UNDERSTANDING : LIMITATIONS REGARDING WIND, SNOW, SEISMIC & MATERIAL WEIGHT, FOUNDATION TYPE OPTIONS (TO BE DESIGNED BY OTHERS), THE CONNECTION REQUIREMENTS TO THE FOUNDATIONS, ADD-ON TRUSS OPTION REQUIREMENTS AND LIMITATIONS.

FOR PERMITS REQUIRING STRUCTURAL ENGINEERING, OR IF DESIRED BY THE CUSTOMER, CONTACT BOXABL, INC.

IF THE CUSTOMER DECLINES THE OPTION FOR AN ENGINEER- SEALED & SIGNED SET OF DRAWINGS AND/OR LOCATES A CASITA IN AN AREA WHERE THE WIND, SNOW OR SEISMIC LIMITS ARE EXCEEDED, BOXABL, INC. SHALL NOT ACCEPT RESPONSIBILITY OR LIABILITY FOR THE STRUCTURAL PERFORMANCE OF THE CASITA.

LIMITATIONS: WIND - SNOW - SEISMIC

| SEE FOOTNOTE 6 FOR DETERMINATION OF WIND LOADS, SNOW LOADS & SEISMIC FACTORS AT SITE OF INSTALLATION | TAPERED INSULATION ROOF SEE SHEET S5 | | TRUSS ROOF SEE SHEET S6 to S8 | | |
|--|---|---------------------|--|--|--|
| | B | C | ASPHALT SHINGLES METAL ROOF | CONCRETE TILE ² | |
| WIND EXPOSURE ¹ | B | C | B <small>applies to concrete tile also</small> | C <small>applies to asphalt shingles also</small> | |
| MAX. ALLOWED WIND SPEED ⁵ | 140 mph | 120 mph | 136 mph | 112 mph | |
| MAXIMUM ALLOWED GROUND SNOW LOAD (Pg) | 41 psf ³ | 41 psf ³ | 87 psf ⁸ | 72 psf ⁸ | |
| MAXIMUM ALLOWED SEISMIC S _{MS} | SEISMIC CATEGORY A, B, C | 3.12 | 3.12 | 5.93 <small>ignore wind exposure</small> 4.29 <small>if STUCCO USED</small> | 4.42 <small>ignore wind exposure</small> 3.44 <small>if STUCCO USED</small> |
| | SEISMIC CATEGORY D, E, F | 3.12 | 3.12 | 1.8 <small>ignore wind exposure</small> 1.56 <small>if STUCCO USED</small> | 0 <small>ignore wind exposure</small> |
| MAXIMUM ALLOWED SEISMIC S _S | SEISMIC CATEGORY A, B, C | 2.60 | 2.60 | 4.94 <small>ignore wind exposure</small> 3.58 <small>if STUCCO USED</small> | 3.68 <small>ignore wind exposure</small> 2.87 <small>if STUCCO USED</small> |
| | SEISMIC CATEGORY D, E, F | 2.60 | 2.60 | 1.5 <small>ignore wind exposure</small> 1.04 <small>if STUCCO USED</small> | 0 <small>ignore wind exposure</small> |

¹ EXPOSURE B IS URBAN AND SUBURBAN AREAS, WOODED AREAS, OR OTHER TERRAIN w/ NUMEROUS, CLOSELY SPACED OBSTRUCTIONS THAT HAVE A SIZE OF A SINGLE-FAMILY DWELLING. THESE CONDITIONS PREVAIL IN THE UPWIND DIRECTION FOR A DISTANCE GREATER THAN 1,500 FT.
EXPOSURE C IS OPEN TERRAIN w/ SCATTERED OBSTRUCTIONS THAT HAVE HEIGHTS GENERALLY LESS THAN 30 FT. THIS INCLUDES FLAT, OPEN COUNTRY AND GRASSLANDS.

EXPOSURE D (NOT ALLOWED) IS FLAT, UNOBSTRUCTED AREAS (MUD FLATS, SALT FLATS) AND WATER SURFACES. THESE CONDITIONS PREVAIL IN THE UPWIND DIRECTION FOR A DISTANCE > 5,000 FT. THIS EXPOSURE ALSO APPLIES WHERE EXPOSURE B OR C OCCURS WITHIN THE FIRST 600 FT OF THE SITE.

² MAXIMUM ALLOWED CONCRETE TILE WEIGHT = 7 psf

³ MAY BE INCREASED IF WIND SPEED IS LESS THAN INDICATED IN TABLE - CONTACT BOXABL FOR EVALUATION. ALSO, IF LOCATED TIGHT IN AMONG CONIFER TREES MULTIPLY LOAD BY 0.83

⁴ ROOF TRUSSES IN SEISMIC CATEGORY D & E MUST BE PARALLEL TO THE KITCHEN SIDE OF THE CASITA, (SEE S10 & S11) AND BE LOCATED IN AN AREA WITH NO SNOW LOAD

⁵ BASIC (ULTIMATE) WIND SPEED AS DEFINED BY THE INTERNATIONAL BUILDING CODE.

⁶ FIND WIND SPEED, GROUND SNOW LOAD, SEISMIC CATEGORY & SEISMIC S_{MS} & S_S VALUES AT ASCEHAZARDTOOL.ORG USING ASCE/SEI 7-22, RISK CATEGORY II, "SOIL CLASS "D". VERIFY BASIC (ULTIMATE) WIND AND GROUND SNOW LOAD VALUES WITH THE LOCAL OR COUNTY BUILDING DEPARTMENT. CUSTOMER IS RESPONSIBLE FOR VERIFYING THEIR WIND, SNOW & SEISMIC FACTORS ARE WITHIN THE ALLOWABLE LIMITS IN TABLE ABOVE.

⁷ CASITAS LOCATED ON HILLS OR WITHIN 1,000 FT OF AN ESCARPMENT WILL REQUIRE SPECIAL EVALUATION BY THE STRUCTURAL ENGINEER.

⁸ MAY BE INCREASED IF WIND SPEED IS LESS THAN INDICATED IN TABLE - CONTACT BOXABL FOR EVALUATION.

CUSTOMER IS RESPONSIBLE FOR VERIFYING THEIR WIND, SNOW AND SEISMIC CONDITIONS ARE WITHIN ALLOWABLE LIMITS INDICATED AT ABOVE, AS WELL AS INVESTIGATING FOR SOIL LIQUIFACTION (FORBIDDEN) OR EXPANSIVE SOIL CONDITIONS (SEE S3.3)

FOUNDATIONS :

FOUNDATIONS SHOULD BE ON RELATIVELY FLAT, LEVEL GROUND, EXTENDING AT LEAST 8 FT AROUND PERIMETER & NOT LOCATED IN AREAS WHERE SOIL IS SUBJECT TO LIQUIFACTION.

FOR EXPANSIVE SOILS, SEE SHEET S3.3.

A SAMPLE OF SUITABLE FOUNDATION TYPES ARE SHOWN ON SHEETS S3.0 THRU S3.3.

SITE-SPECIFIC, ENGINEERED DESIGNS TO BE PROVIDED BY OTHERS.

| DATE: | REV: | DESCRIPTION: |
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GENERAL NOTES

| | |
|---------------|-----------|
| UNITS: | FT-IN |
| SHEET FORMAT: | ARCH C |
| SHEET SCALE: | NONE |
| CREATED BY: | MN |
| RELEASE DATE: | 5/28/2024 |
| SHEET: | S1 |

MODEL: 2 DOOR CASITA

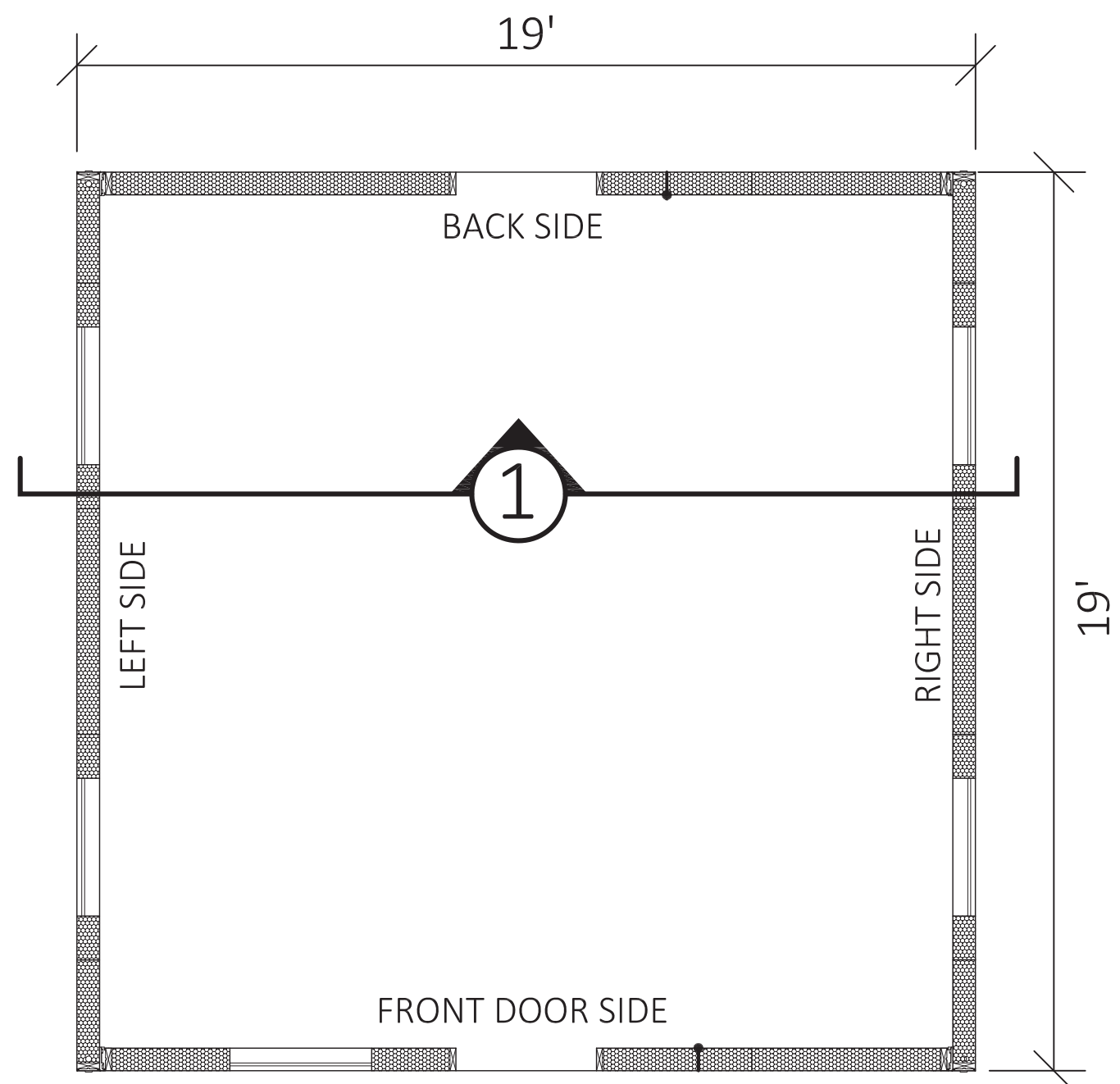
MODEL #: BXB-000009

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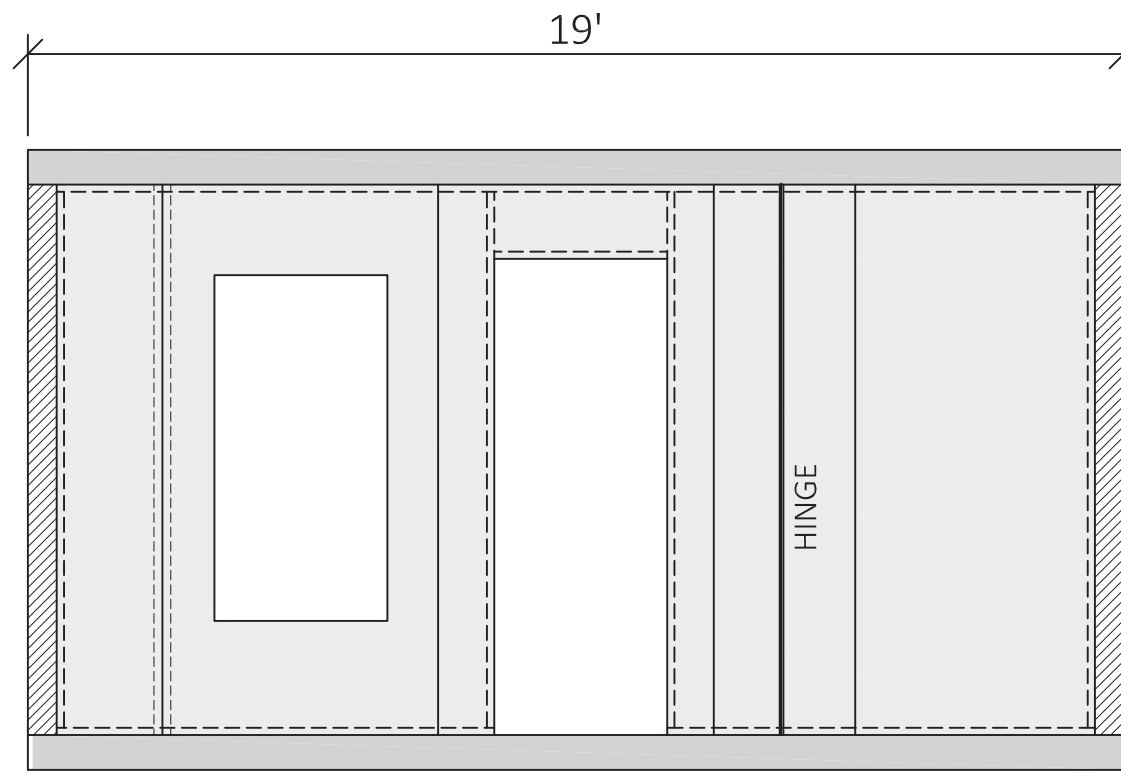
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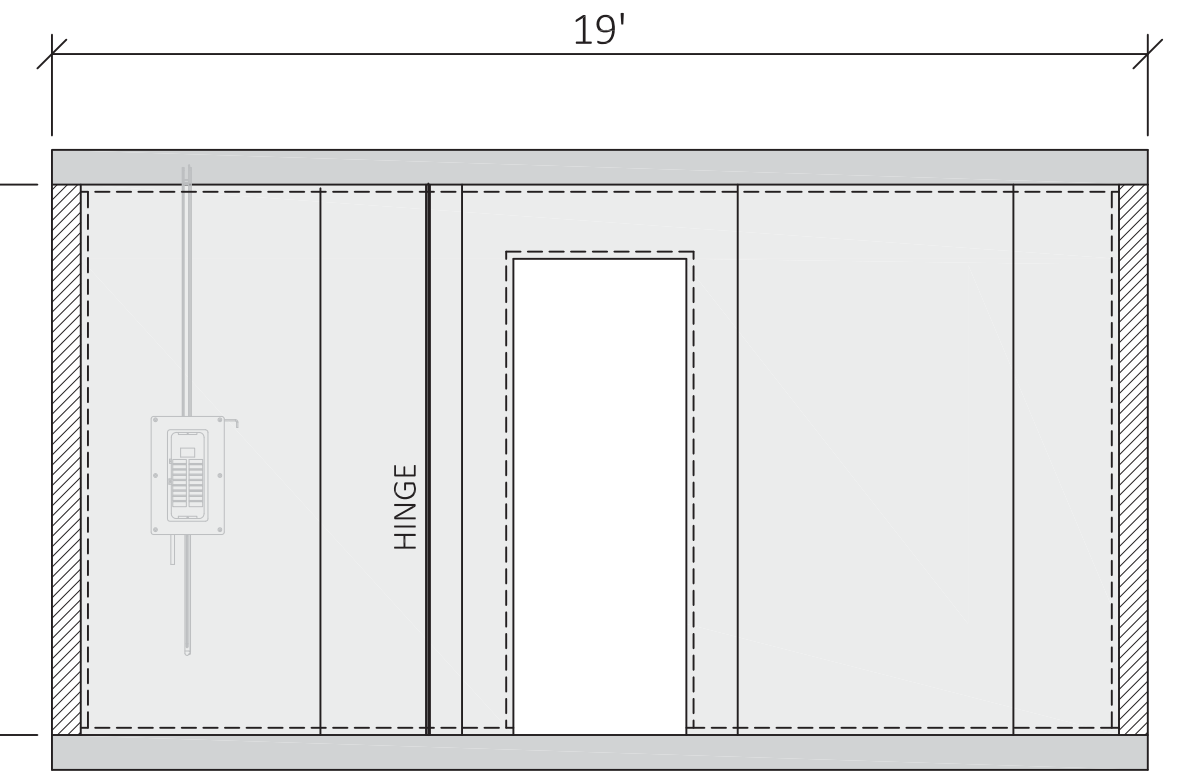


WALL PLAN



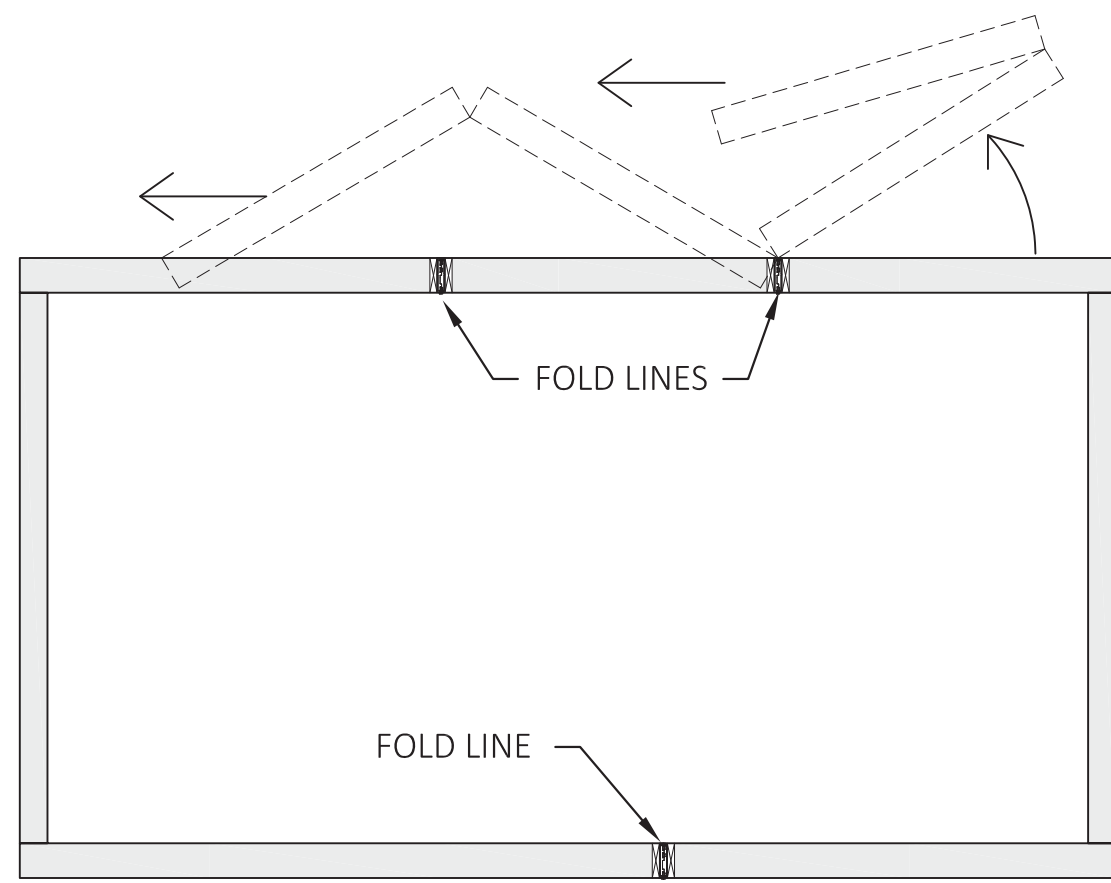
FRONT DOOR SIDE

EXTERIOR VIEW

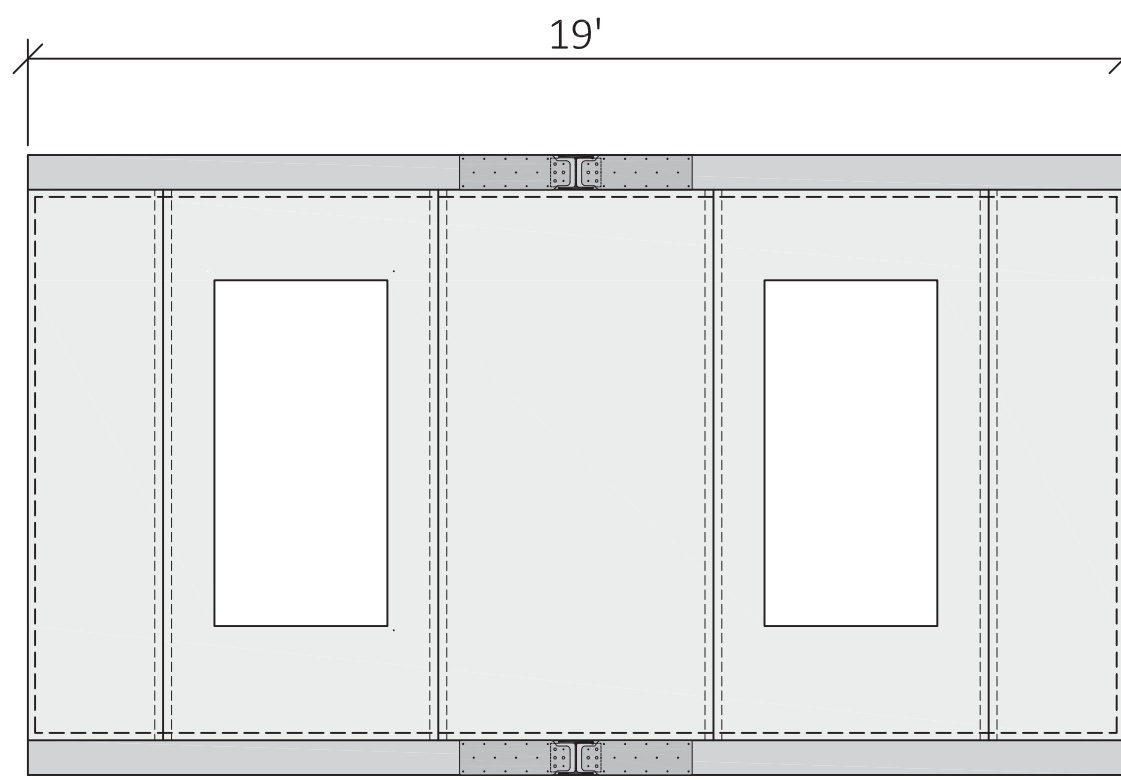


BACK SIDE

EXTERIOR VIEW

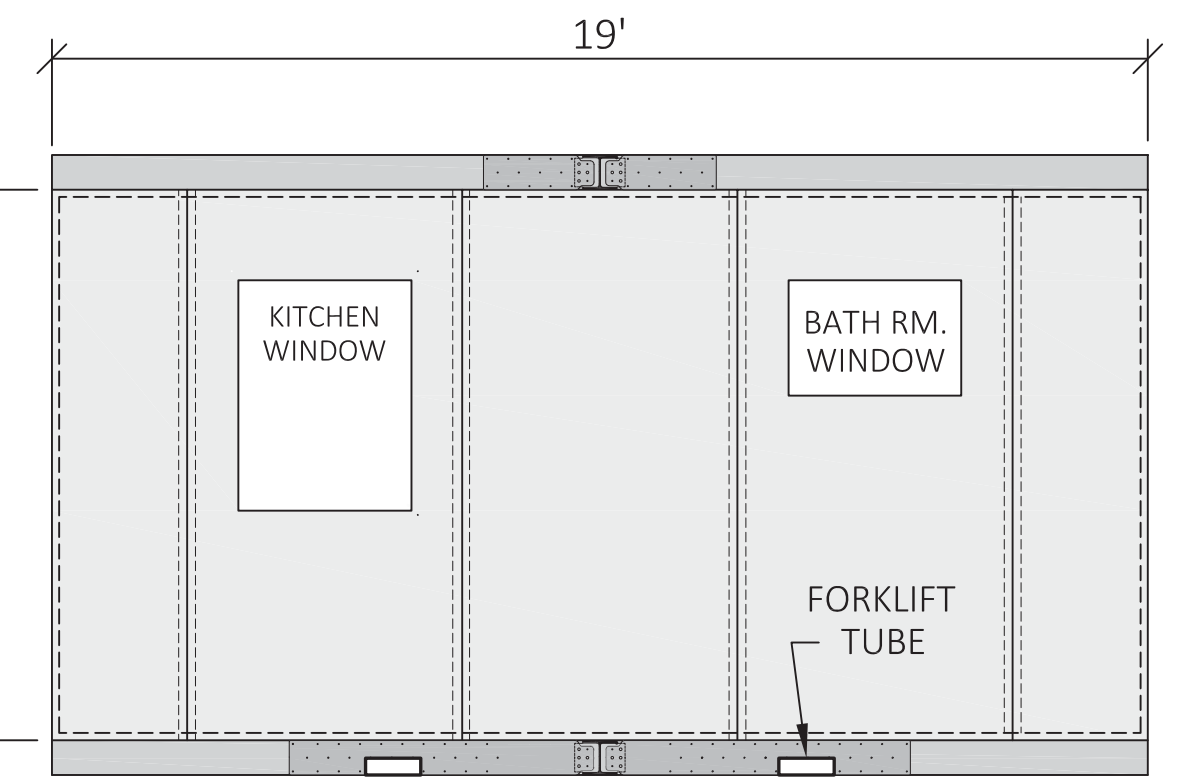


SECTION 1



LEFT SIDE

EXTERIOR VIEW



RIGHT SIDE

EXTERIOR VIEW

| DATE: | REV: | DESCRIPTION: |
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| | | |
| | | |
| | | |
| | | |

WALL ELEVATIONS

| | |
|---------------|-----------|
| UNITS: | FT-IN |
| SHEET FORMAT: | ARCH C |
| SHEET SCALE: | NONE |
| CREATED BY: | MN |
| RELEASE DATE: | 1/31/2024 |
| SHEET: | S2 |

MODEL: 2 DOOR CASITA
MODEL #: BXB-000009

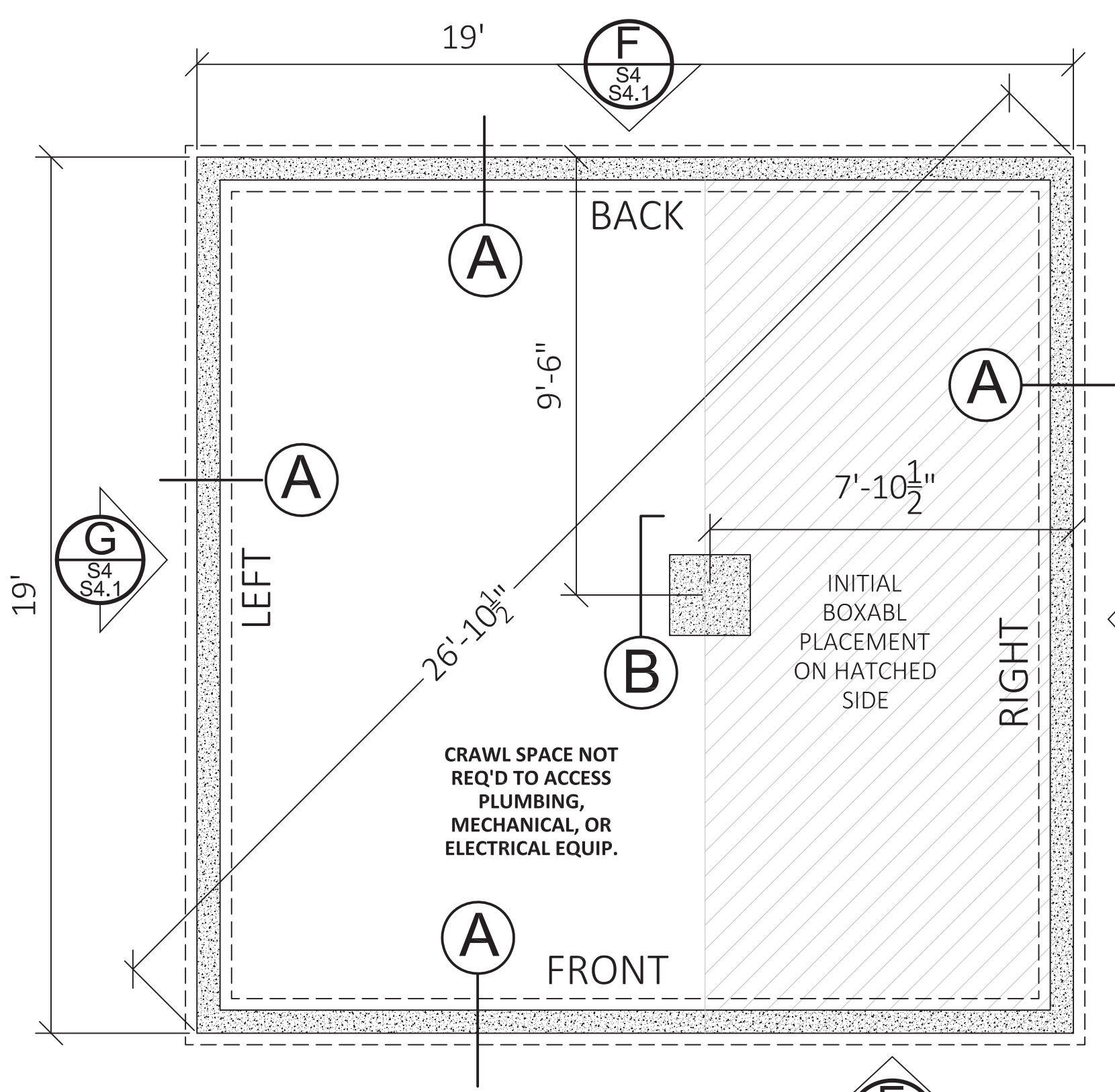
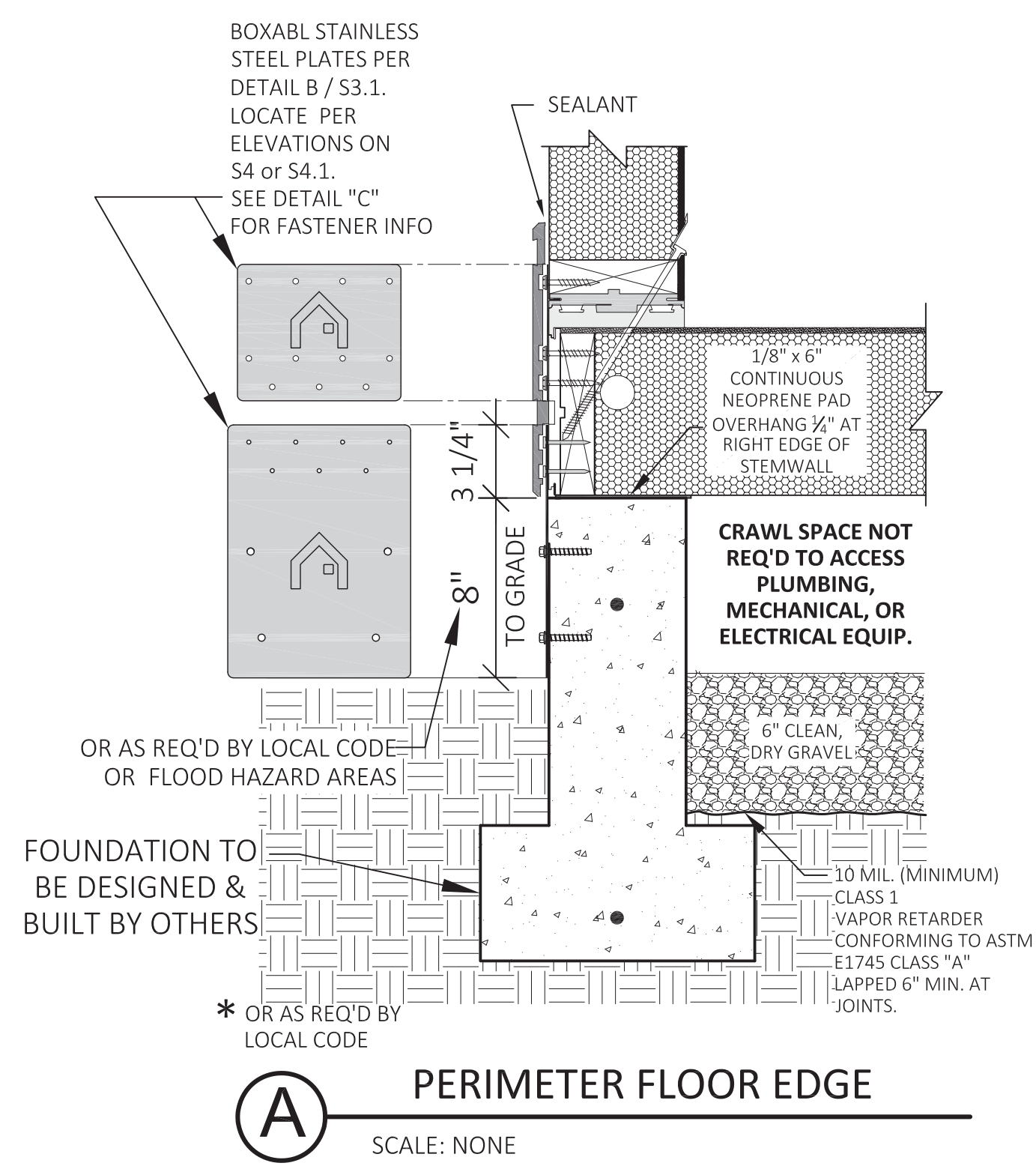
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STEMWALL FOOTING OPTION

DESIGNED BY OTHERS

SEE S3.3 FOR FOUNDATION CONCEPT FOR EXPANSIVE SOIL CONDITIONS



NOTES:

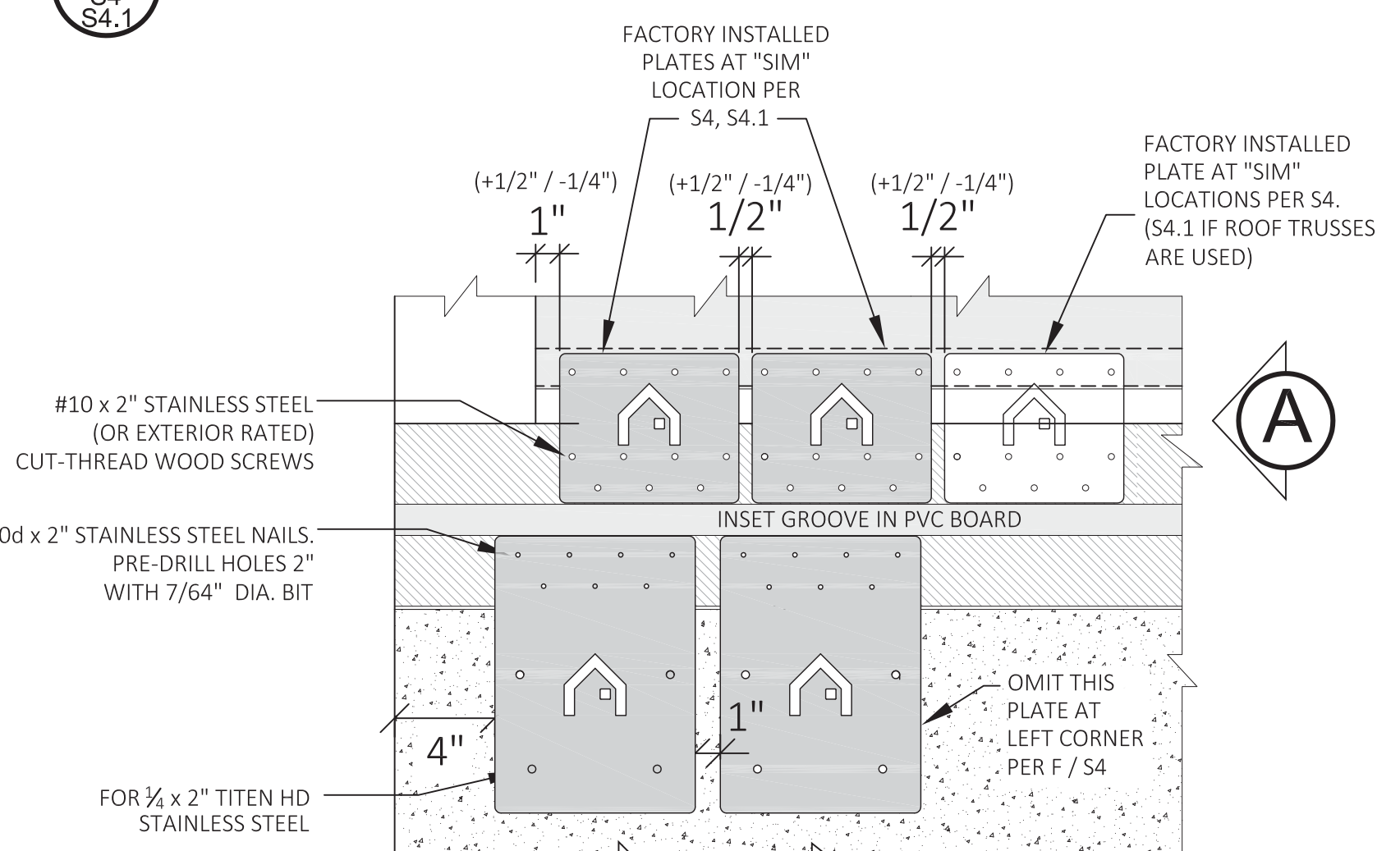
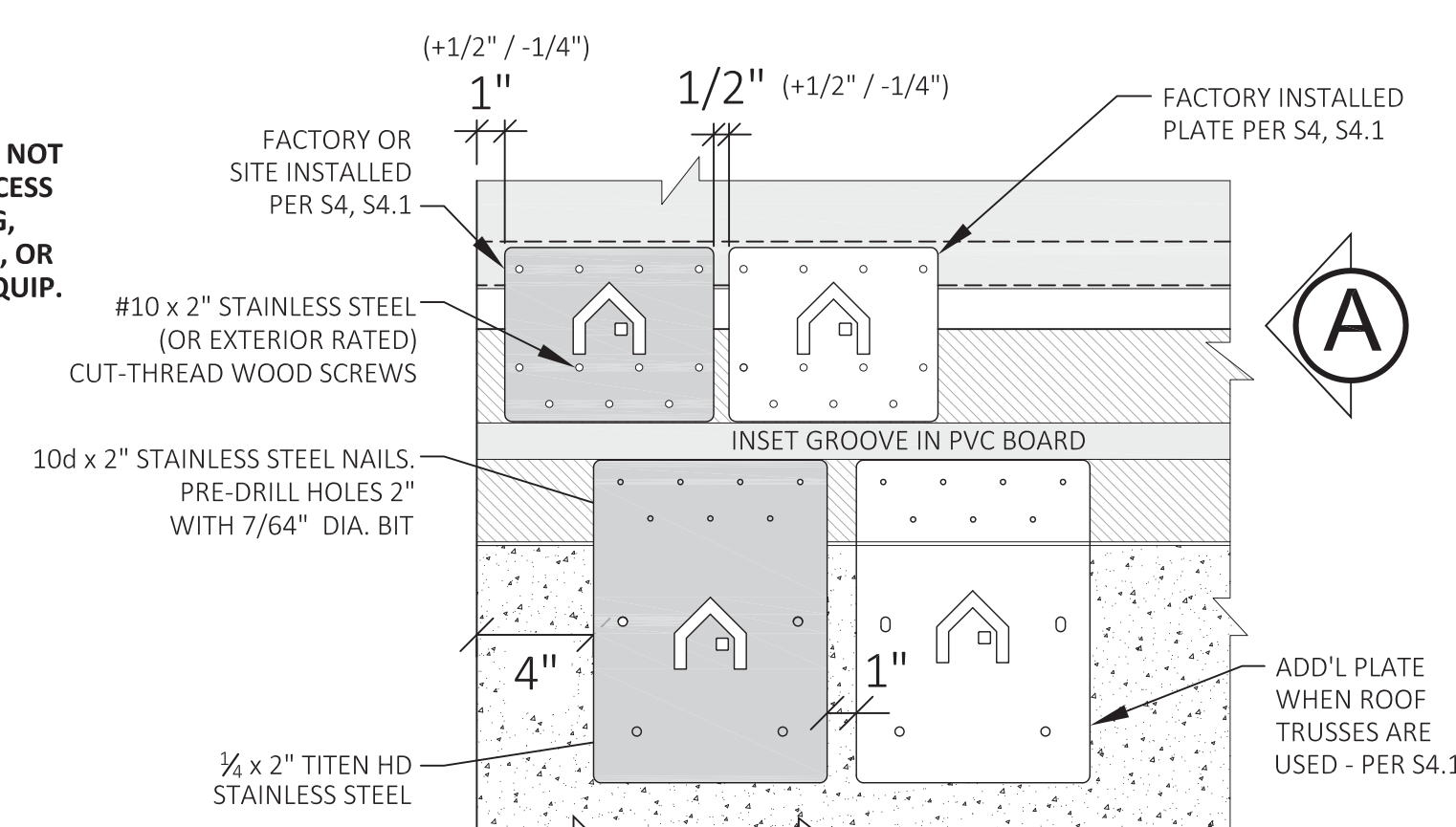
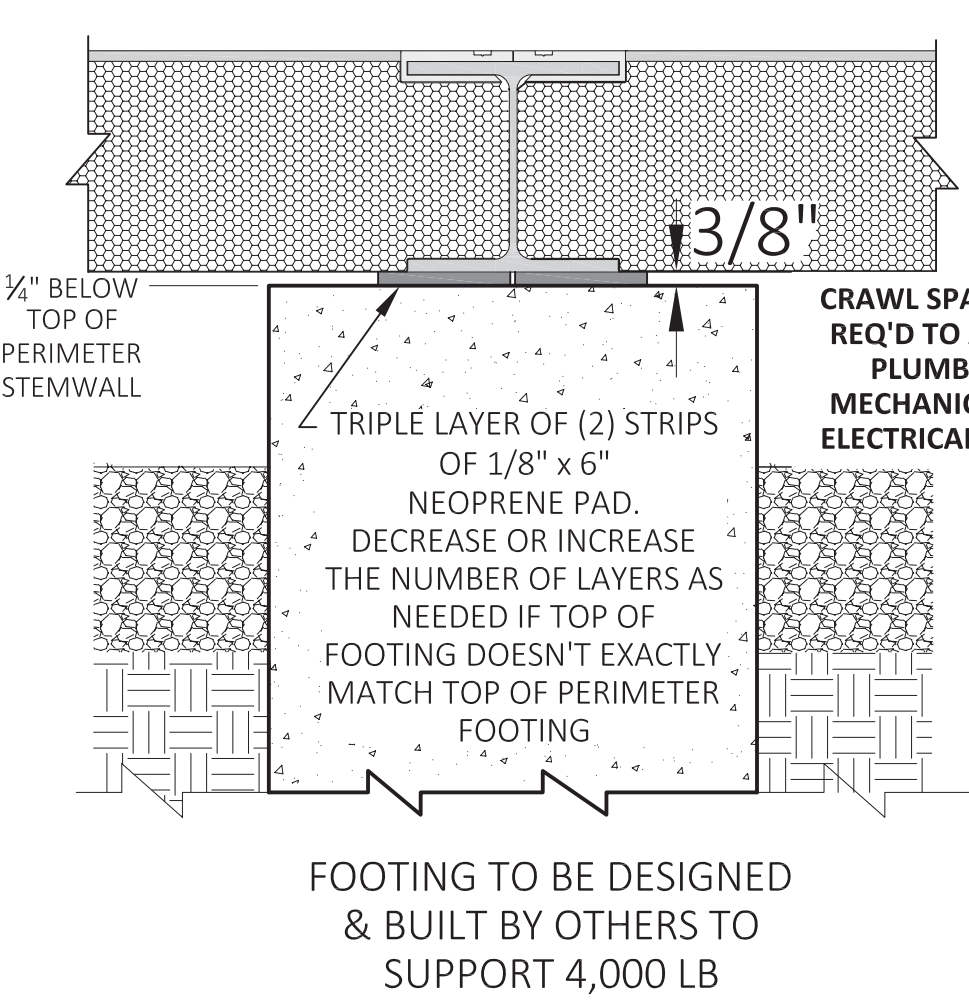
NOT FOR USE WITH SOIL SUBJECT TO LIQUIFACTION OR EXPANSION. SEE S3.3 FOR EXPANSIVE SOIL FOUNDATION OPTION.

TOP SURFACE OF PERIMETER CONCRETE STEMWALL SHALL BE FLAT AND LEVEL TO WITHIN 1/8" BETWEEN ANY TWO POINTS AROUND THE PERIMETER.

PERIMETER & DIAGONAL DIMENSIONS HAVE NO MARGIN FOR ERROR FOR ANCHORAGE HARDWARE TO WORK AS INTENDED.

CONCRETE TO HAVE A MIN. 28 DAY COMPRESSIVE STRENGTH, f'c = 2,500 psi.

FOUNDATION PLAN



B INTERIOR BEAM SUPPORT
SCALE: NONE

C HOLD-DOWN'S AT LEFT & RIGHT WALL
SEE S4 & S4.1 FOR LOCATION REFERENCE

D HOLD-DOWN'S AT FRONT & BACK WALL
SEE S4 & S4.1 FOR LOCATION REFERENCE

| DATE: | REV: | DESCRIPTION: |
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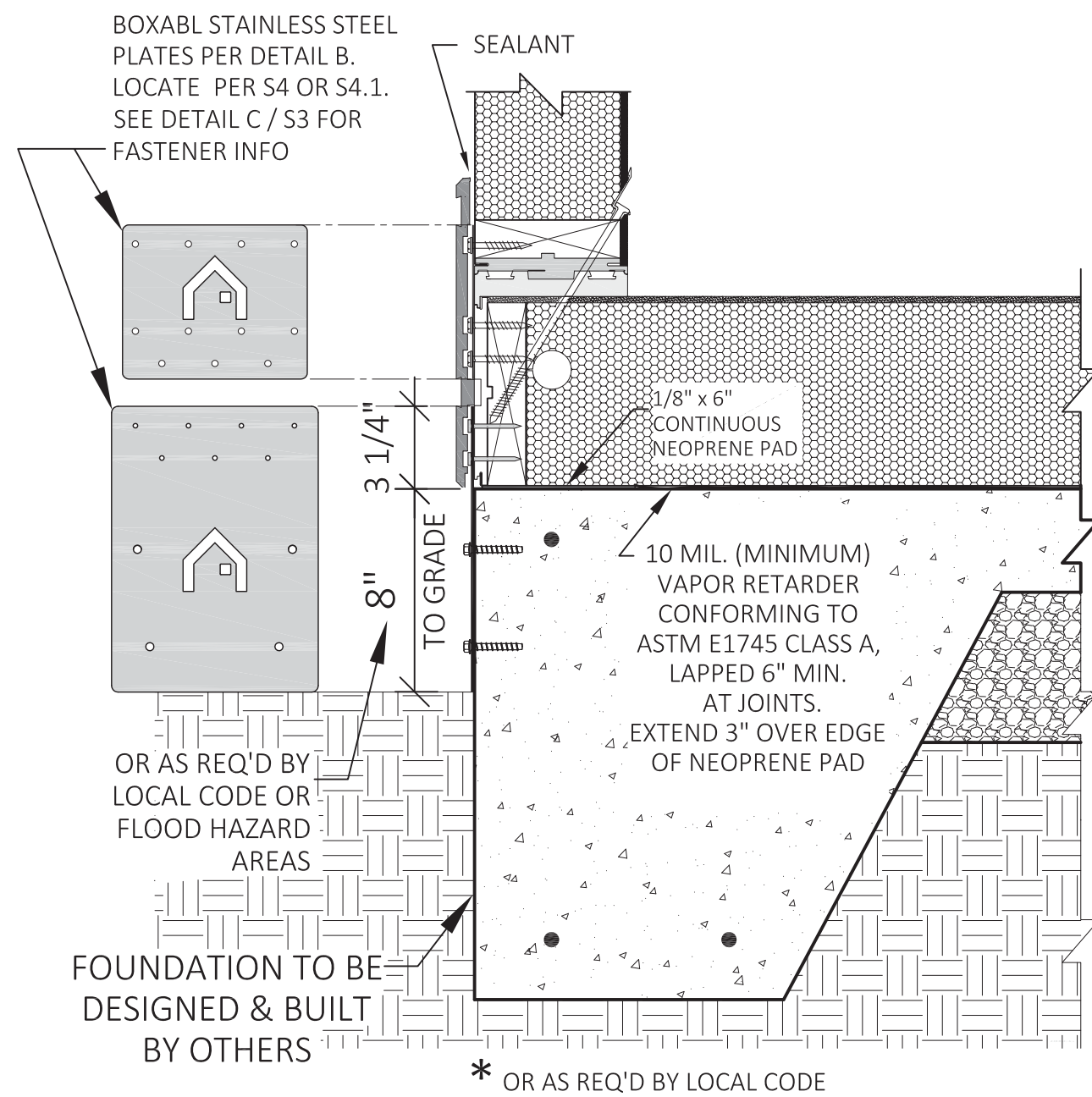
CONNECTIONS TO CONCRETE STEMWALLS

| | |
|---------------|-----------|
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| SHEET FORMAT: | ARCH C |
| SHEET SCALE: | NONE |
| CREATED BY: | MN |
| RELEASE DATE: | 5/07/2024 |
| SHEET: | S3 |

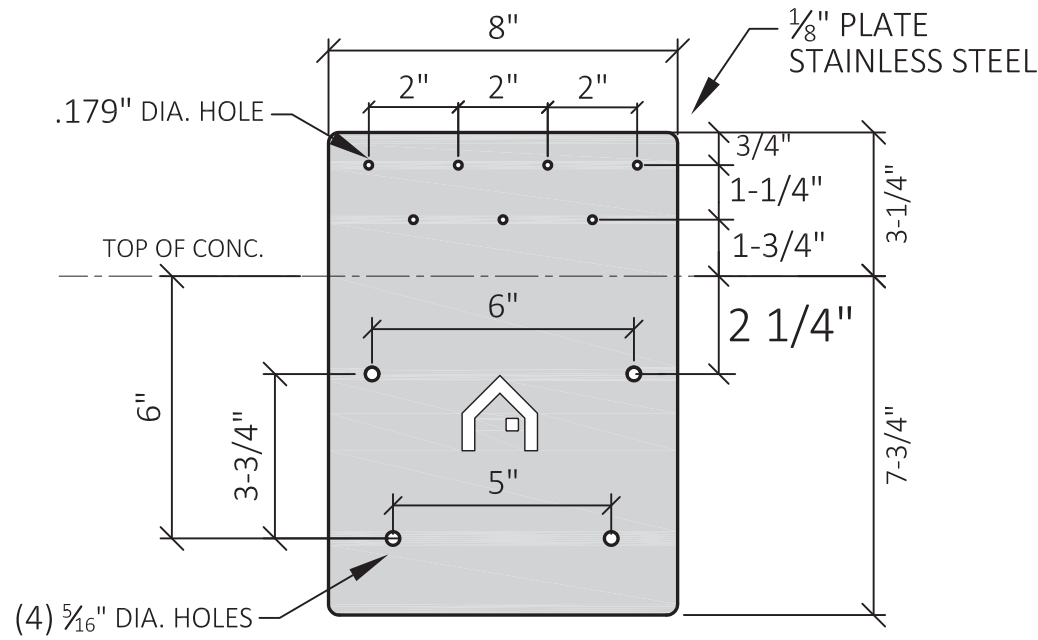
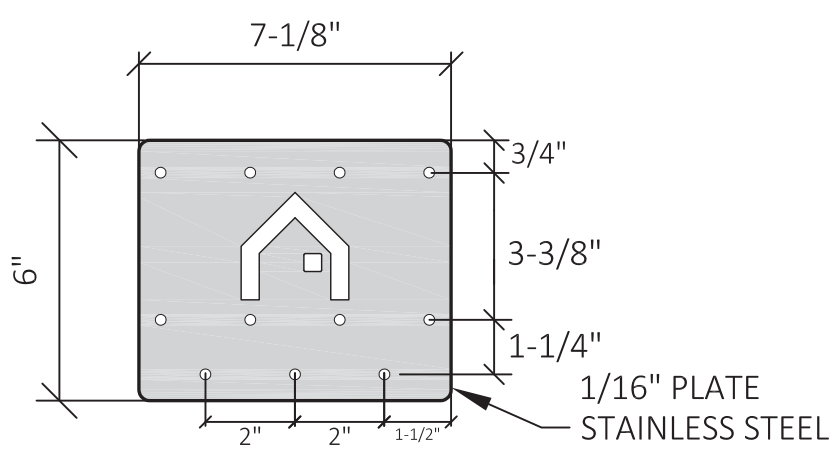
MODEL: 2 DOOR CASITA
MODEL #: BXB-000009

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NORTH LAS VEGAS, NV 89115, USA
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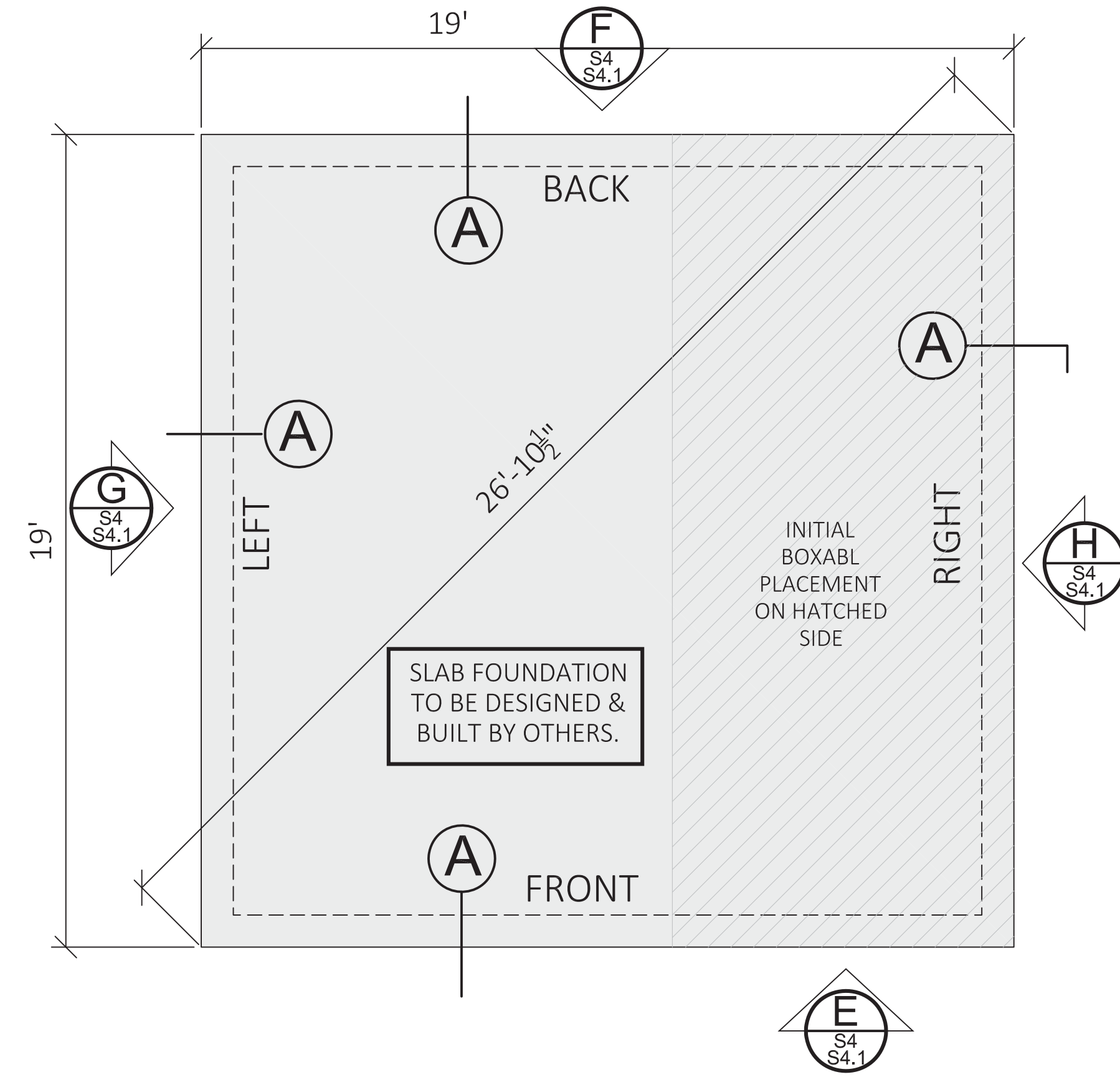




A PERIMETER FLOOR EDGE
SCALE: NONE



B



FOUNDATION PLAN

SEE DETAILS C & D ON S3 FOR FASTENER INFO & CORNER LOCATION OF ANCHOR PLATES. SEE ALSO S4 OR S4.1 FOR ADD'L LOCATION INFO

CONCRETE SLAB FOUNDATION OPTION
DESIGNED BY OTHERS
SEE S3.3 FOR FOUNDATION CONCEPT FOR EXPANSIVE SOIL CONDITIONS

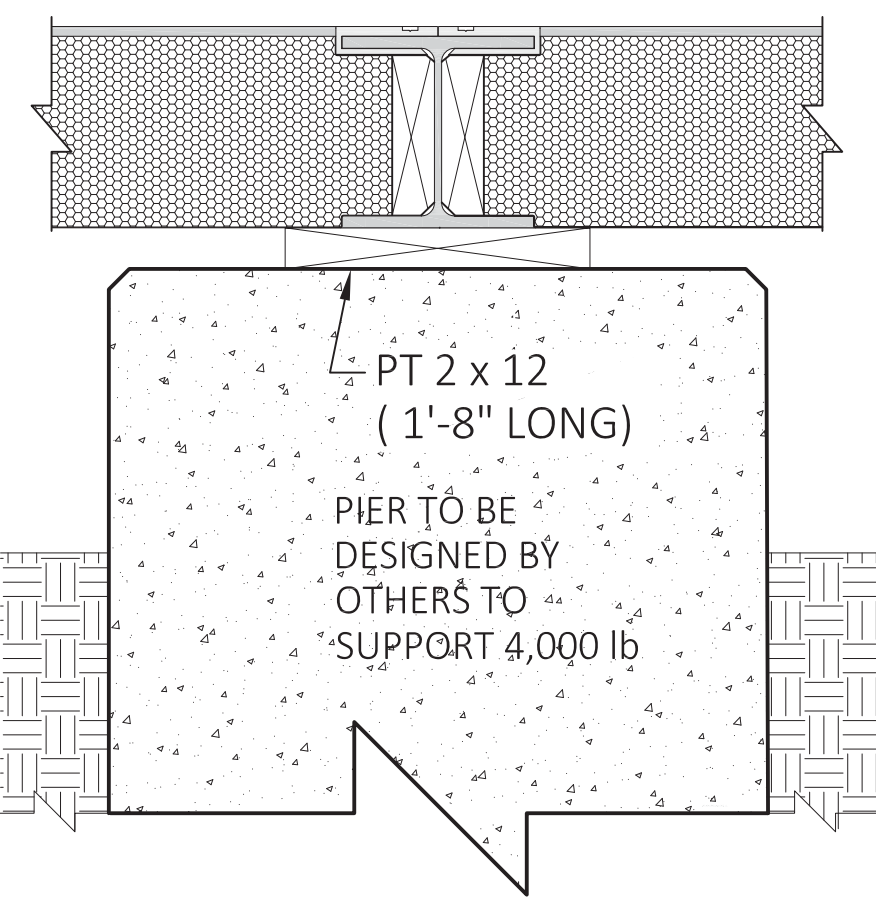
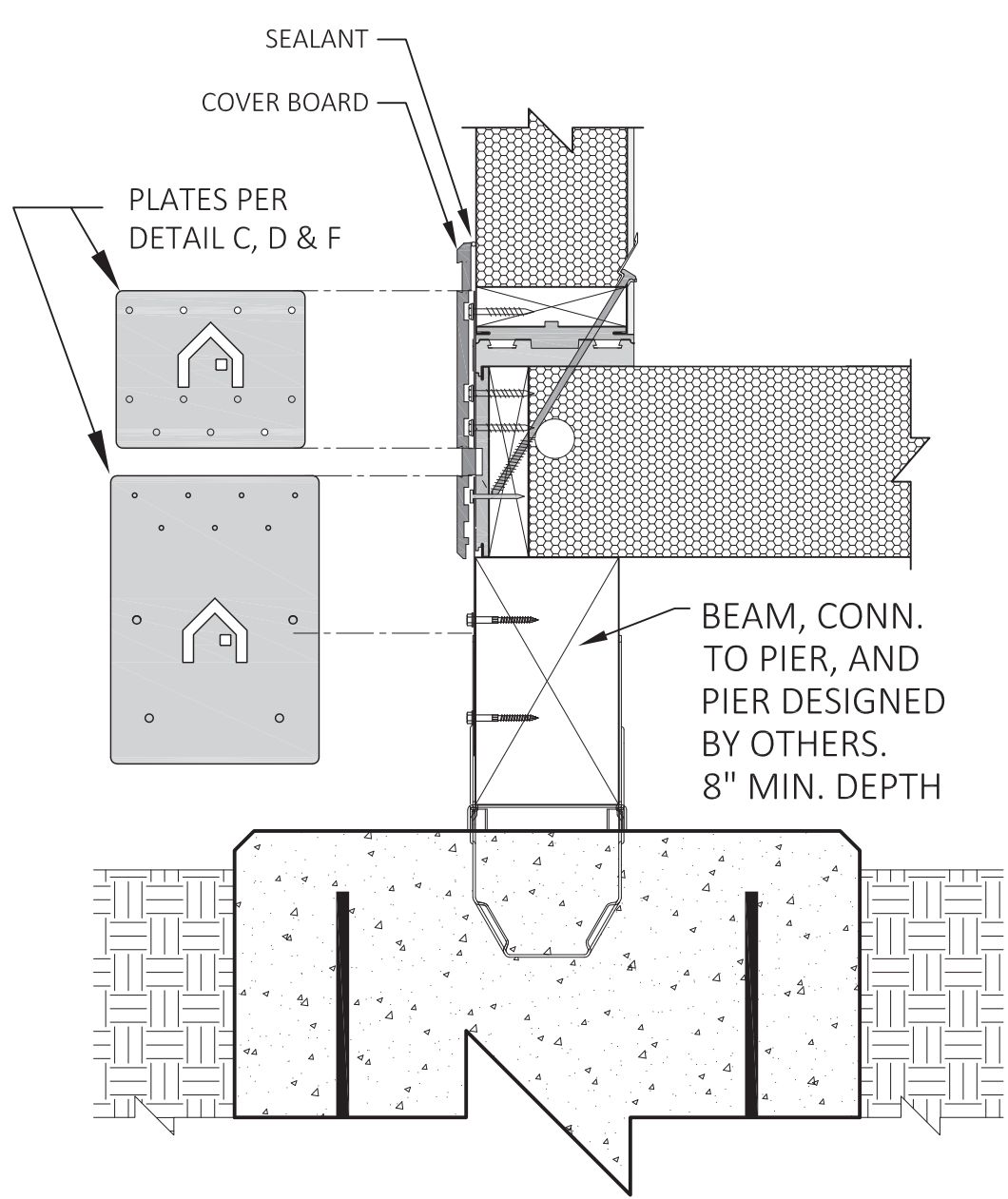
NOTES:
NOT FOR USE WITH SOIL SUBJECT TO LIQUIFACTION.
SEE S3.3 FOR EXPANSIVE SOIL FOUNDATION OPTION.
TOP SURFACE OF CONCRETE SHALL BE FLAT AND LEVEL TO WITHIN 1/8" BETWEEN ANY TWO POINTS AROUND THE PERIMETER.
PERIMETER & DIAGONAL DIMENSIONS HAVE NO MARGIN FOR ERROR FOR ANCHORAGE HARDWARE TO WORK AS INTENDED.
CONCRETE TO HAVE A MIN. 28 DAY COMPRESSIVE STRENGTH, f'c = 2,500 psi.

| DATE: | REV: | DESCRIPTION: |
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CONNECTIONS TO THICKENED SLAB EDGE

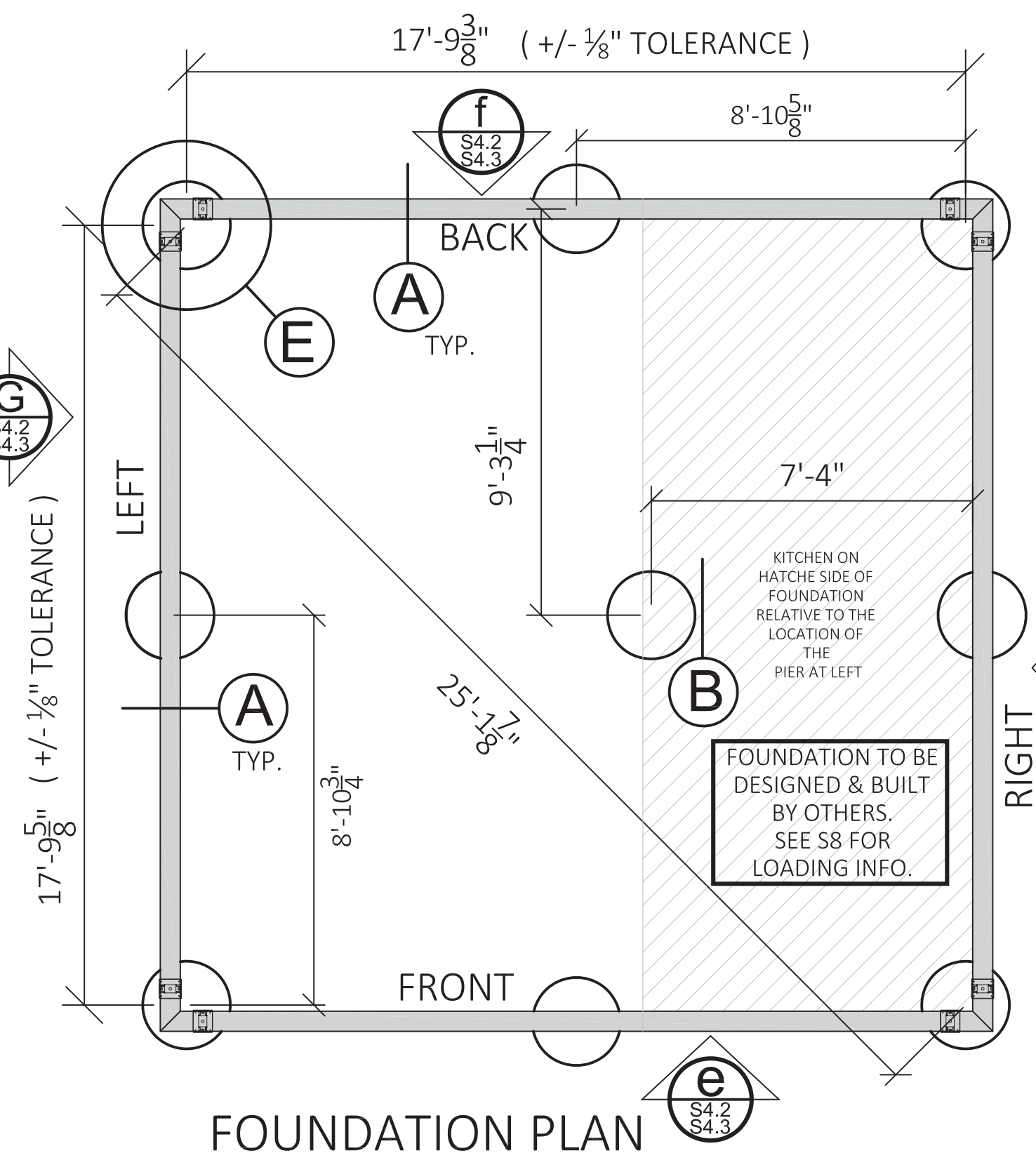
| | | |
|-------------------------|----------------------|---|
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| SHEET FORMAT: ARCH C | MODEL #: BXB-000009 | 5345 EAST NORTH BELT ROAD NORTH LAS VEGAS, NV 89115, USA |
| SHEET SCALE: NONE | | +1(702) 500-9000 HELLO@BOXABL.COM |
| CREATED BY: MN | | |
| RELEASE DATE: 1/31/2024 | | |
| SHEET: S3.1 | | |





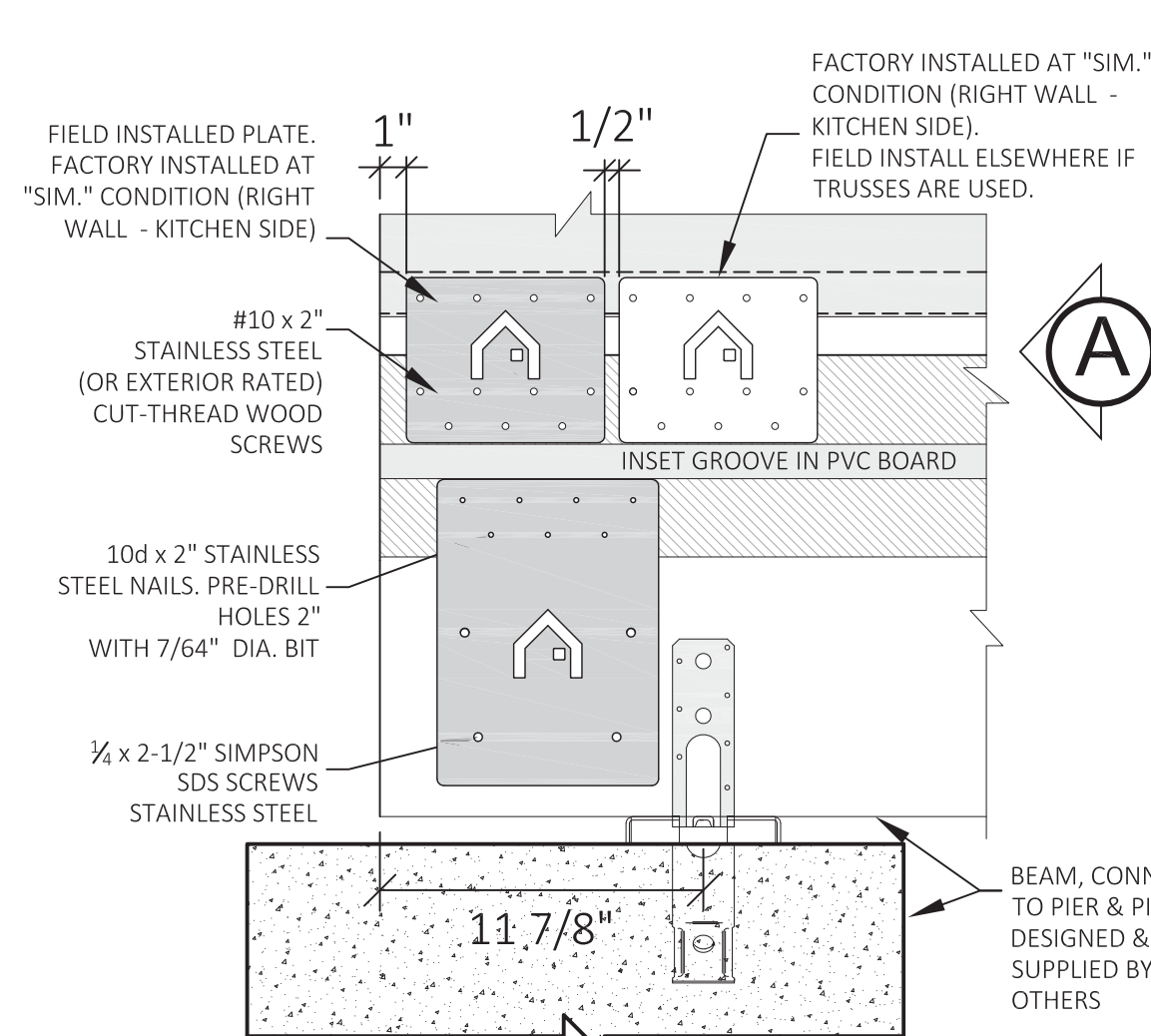
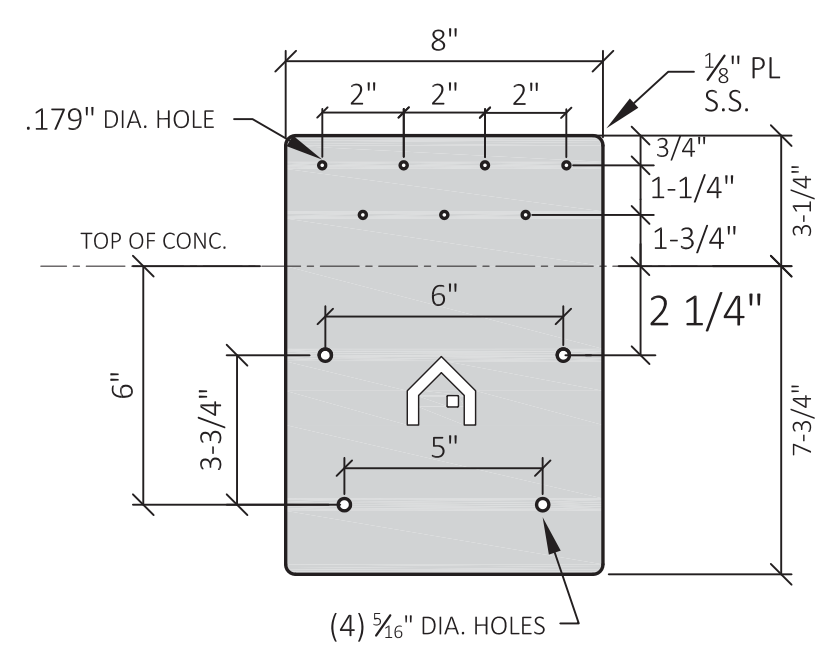
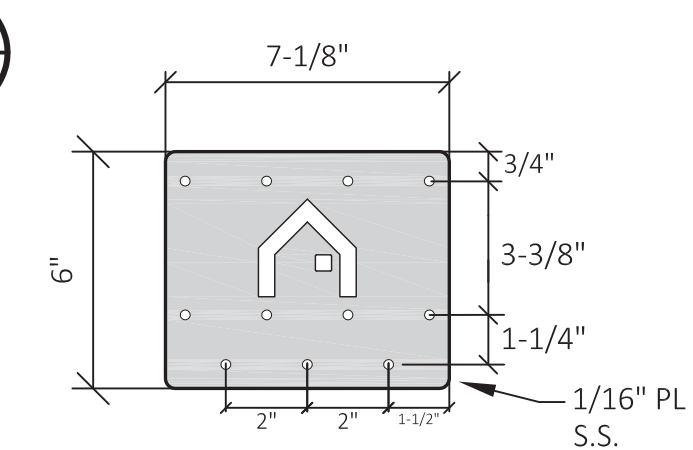
A TYPICAL PERIMETER PIER
SCALE: NONE

B INTERIOR FOOTING
SCALE: NONE

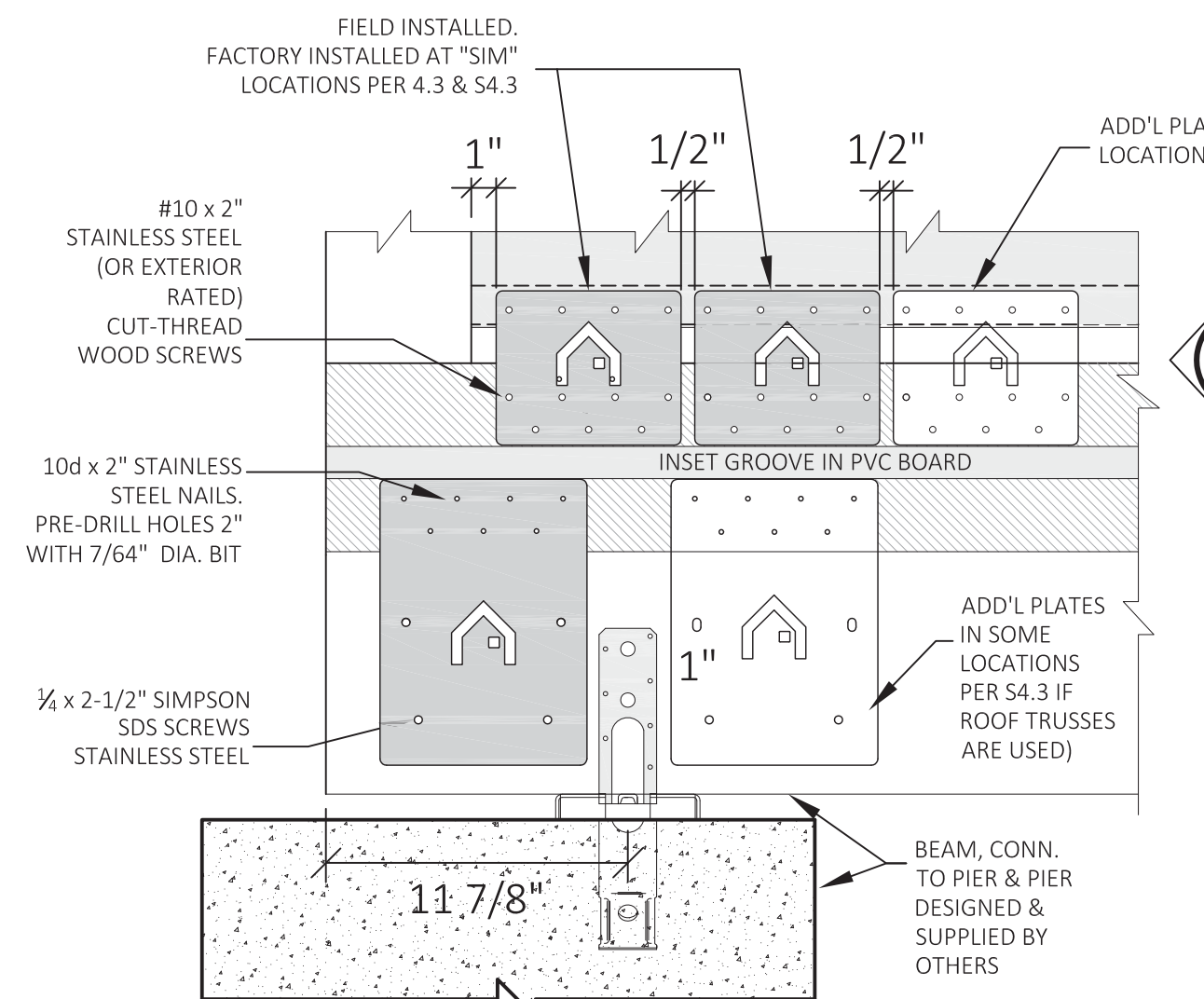


FOUNDATION PLAN

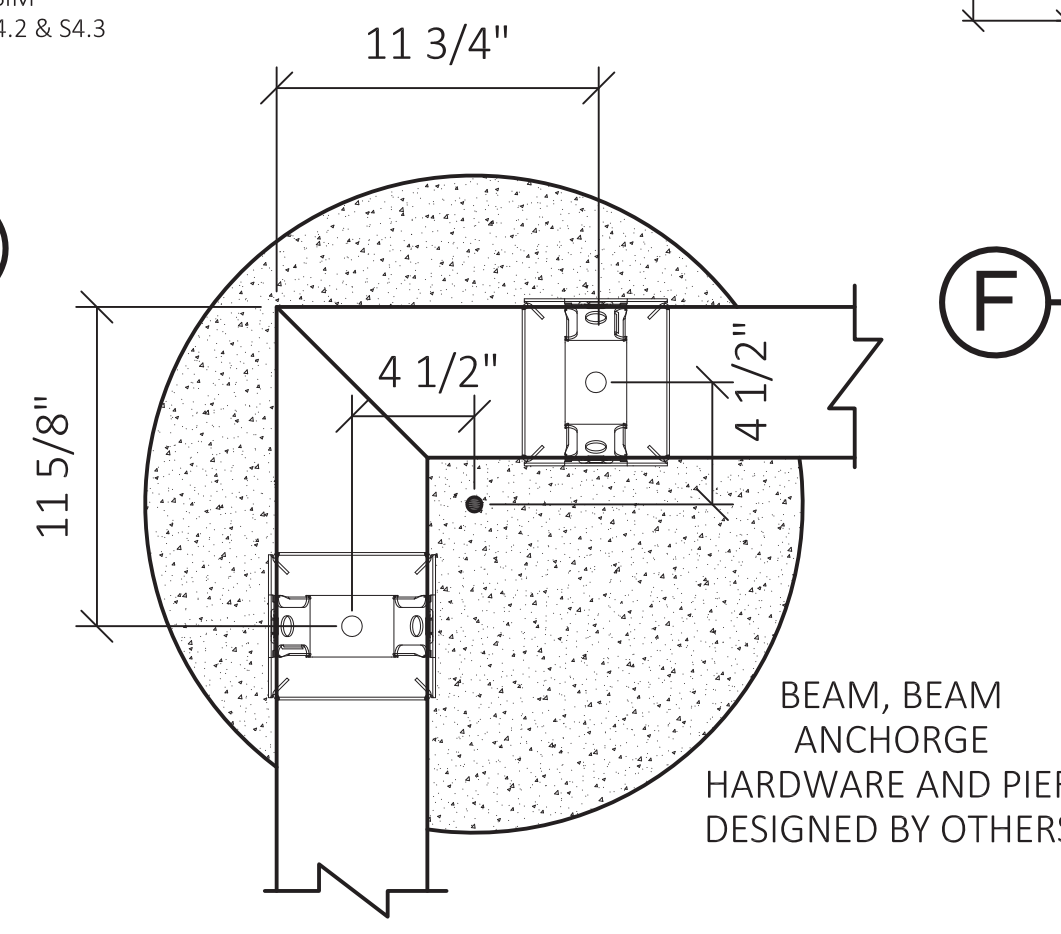
CONCRETE PIER & WOOD BEAM FOUNDATION OPTION
DESIGNED BY OTHERS
DO NOT USE FOR SOILS SUBJECT TO LIQUIFACTION. FOR EXPANSIVE SOILS SEE S3.3.



C HOLD-DOWN'S AT LEFT & RIGHT WALL
SEE S4.2 & S4.3 FOR LOCATION REFERENCE



D HOLD-DOWN'S AT FRONT & BACK WALL
SEE S4.2 & S4.3 FOR LOCATION REFERENCE



E CORNER PIERS
SCALE: NONE

| DATE: | REV: | DESCRIPTION: |
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CONNECTIONS TO WOOD SUPPORTS

| | |
|---------------|-------------|
| UNITS: | FT-IN |
| SHEET FORMAT: | ARCH C |
| SHEET SCALE: | NONE |
| CREATED BY: | MN |
| RELEASE DATE: | 1/31/2024 |
| SHEET: | S3.2 |

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|----------------------|
| MODEL: 2 DOOR CASITA |
| MODEL #: BXB-000009 |

| |
|---|
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| +1(702) 500-9000 HELLO@BOXABL.COM |



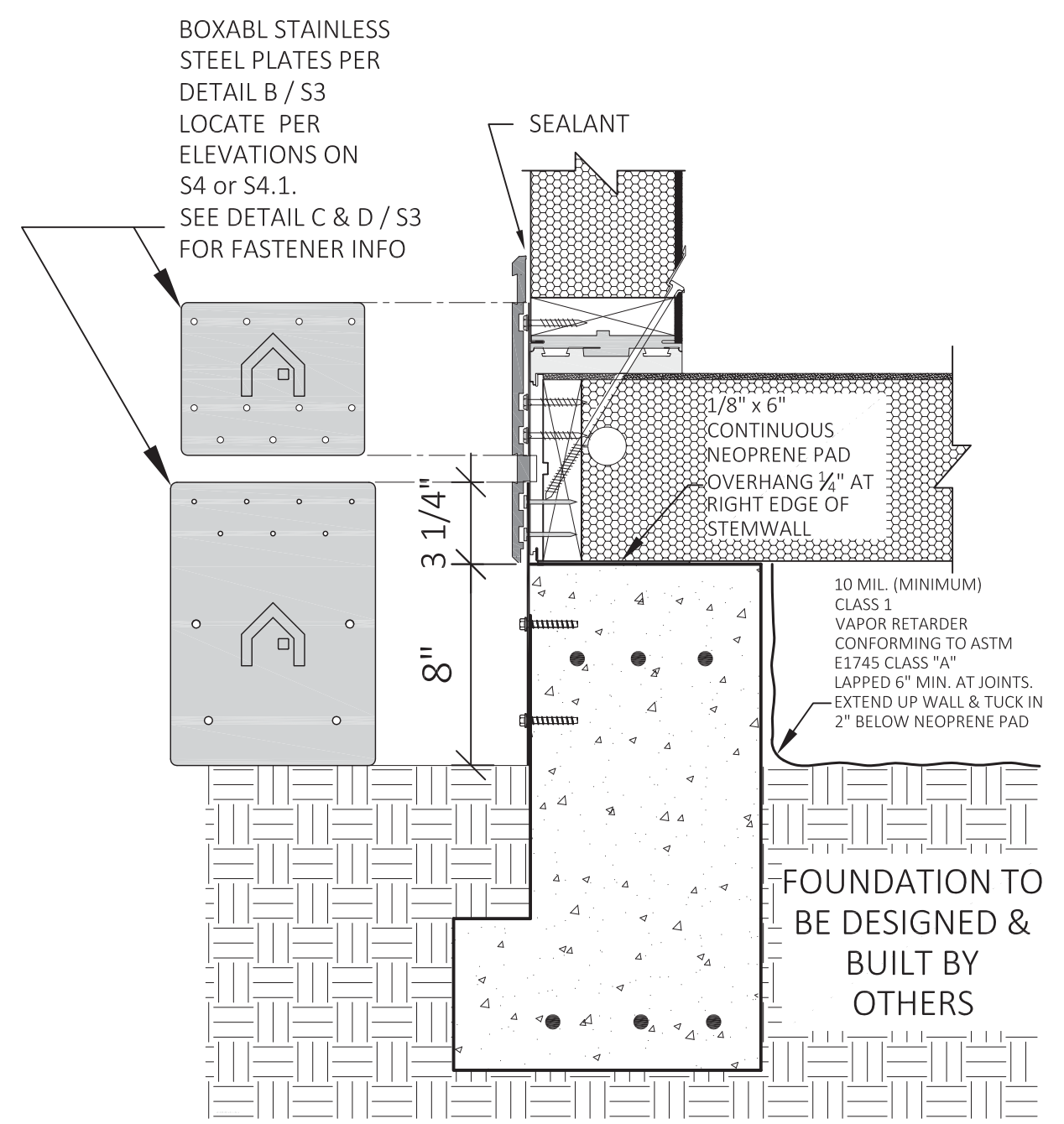
GRADE BEAM OPTION

DESIGNED BY OTHERS.

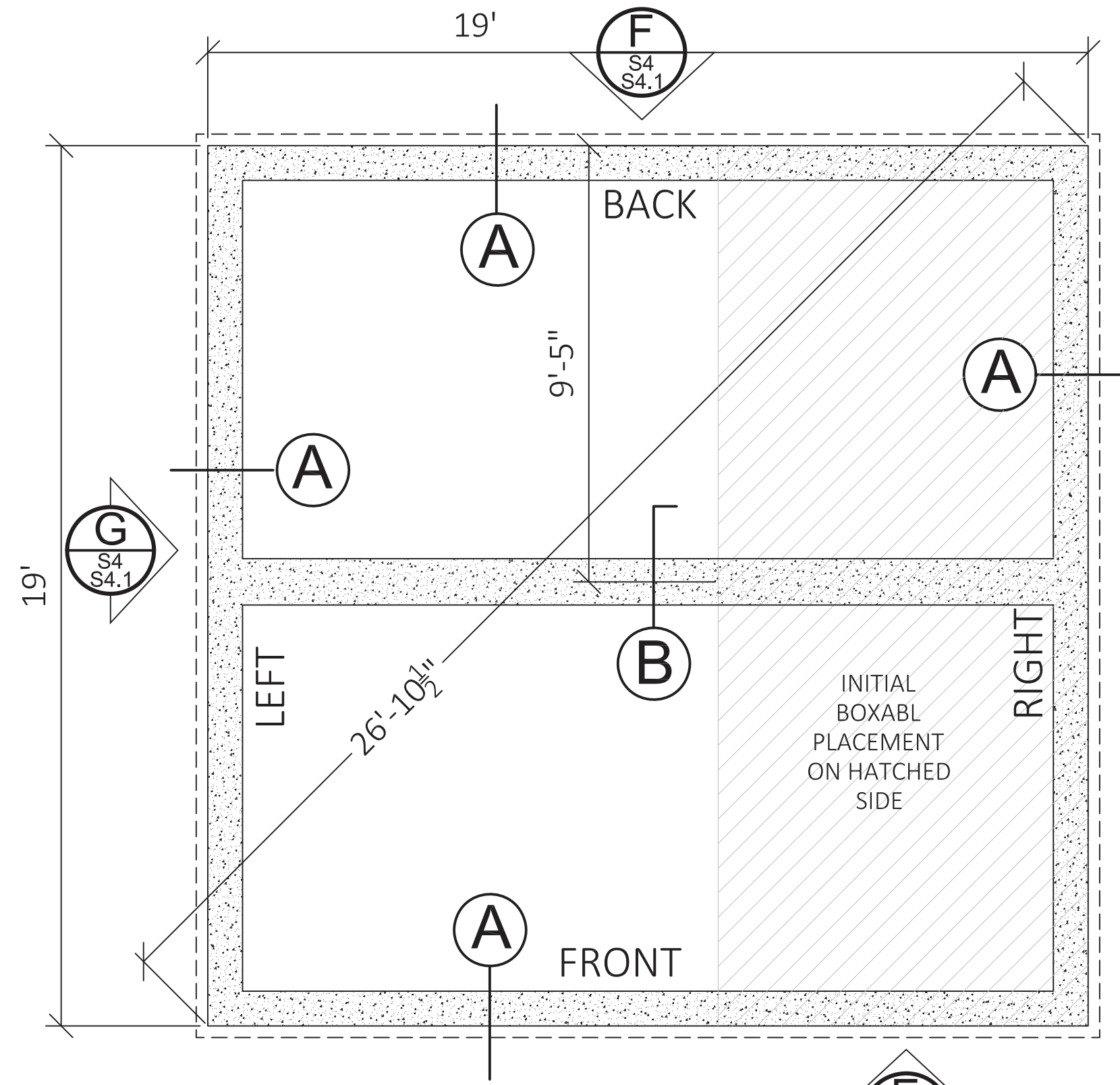
FOR EXPANSIVE SOIL CONDITIONS

NOTES:

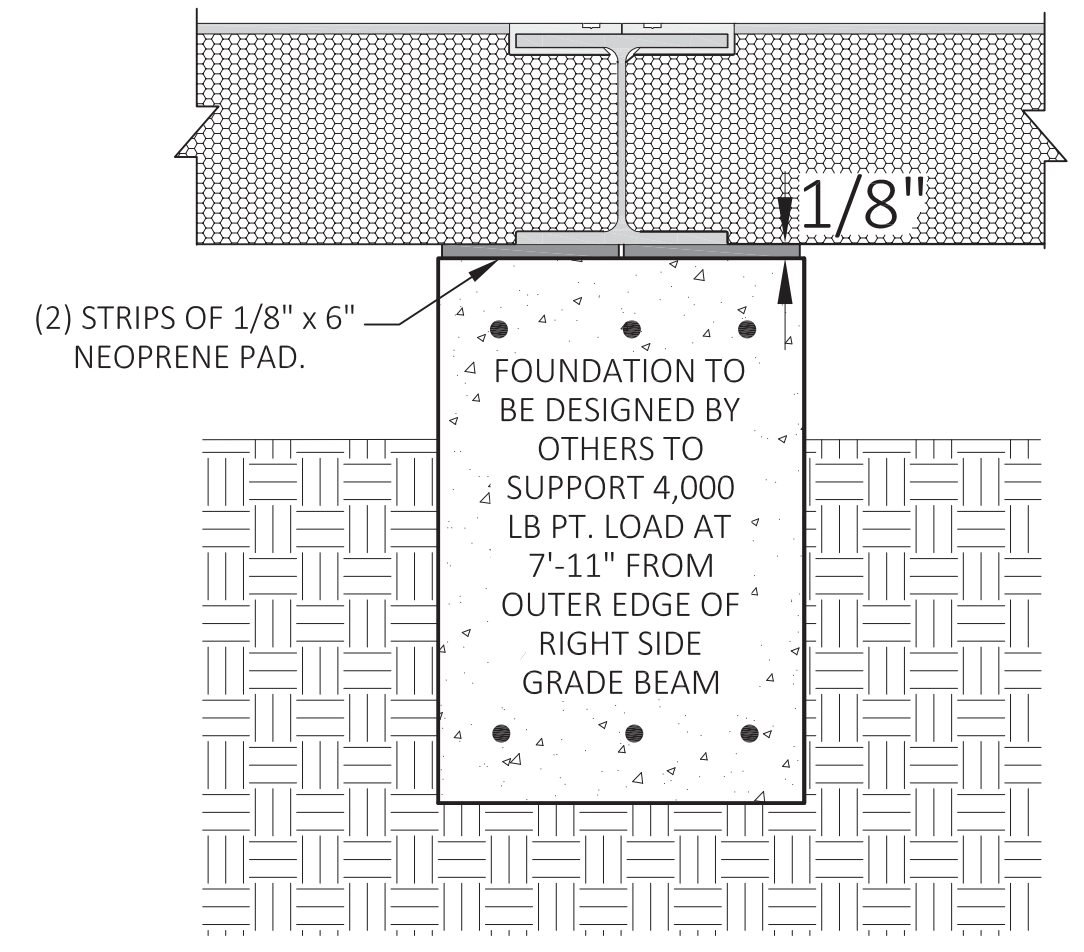
- TOP SURFACE OF PERIMETER CONCRETE STEMWALL SHALL BE FLAT AND LEVEL TO WITHIN 1/8" BETWEEN ANY TWO POINTS AROUND THE PERIMETER.
- PERIMETER & DIAGONAL DIMENSIONS HAVE NO MARGIN FOR ERROR FOR ANCHORAGE HARDWARE TO WORK AS INTENDED.
- CONCRETE TO HAVE A MIN. 28 DAY COMPRESSIVE STRENGTH, f'c = 2,500 psi.



A PERIMETER FLOOR EDGE
SCALE: NONE



FOUNDATION PLAN



B INTERIOR BEAM SUPPORT
SCALE: NONE

EXPANSIVE SOIL NOTES:

MANY FOUNDATION OPTIONS ARE AVAILABLE TO DEAL WITH EXPANSIVE SOILS. THE MOST EFFECTIVE BEING THE MOST COSTLY, AND VICE-VERSA. THEREFORE, THE OWNER SHOULD BE INVOLVED IN THE DECISION IN WITH THE CONTRACTOR. RECOMMENDATIONS BY A LOCAL GEOTECHNICAL ENGINEER IS RECOMMENDED, PARTICULARLY IN SEVERE CASES, AND IF STRUCTURE TILTING IS UNACCEPTABLE.

THE GENERIC DETAILS SHOWN ON THIS SHEET REPRESENT A LOWER COST OPTION. GRADE BEAM DIMENSIONS AND REINFORCEMENT NEED TO BE DESIGNED BY A LICENSED PROFESSIONAL STRUCTURAL ENGINEER. THIS OPTION DOES NOT PREVENT THE BOXABL CASITA FROM TILTING CAUSED BY DIFFERENTIAL SOIL EXPANSION - THEREFORE IT'S IMPORTANT THAT PLUMBING LINES CAN ACCOMODATE MOVEMENT, AND PLUMBING CONNECTIONS ARE FLEXIBLE TO ACCOMODATE MOVEMENT. SEE PLUMBING DRAWINGS (BY OTHERS) FOR DESIGN MEASURES TO ACCOMODATE EXPANSIVE SOIL.

IF TILTING IS NOT ACCEPTABLE, THE GRADE BEAMS WILL NEED TO BE ANCHORED TO 6 TO 8 VERTICAL MOVEMENT-RESISTNG CONCRETE OR HELICAL PIERS WITH THE GRADE BEAMS POURED OVER A COMPRESSIBLE MATERIAL THAT ACCOMODATES SOIL EXPANSION WITHOUT LOADING THE GRADE BEAMS. THE SPECIFICS OF THESE MEASURES , OR ALTERNATE SYTEMS, SHOULD BE PROVIDED BY A GEOTECHNICAL ENGINEER AND DESIGNED BY A LICENSED STRUCTURAL ENGINEER.

THE FOUNDATION CONCEPT SHOWN IS NOT SUITABLE FOR SOIL SUBJECT TO LIQUIFACTION.

| DATE: | REV: | DESCRIPTION: |
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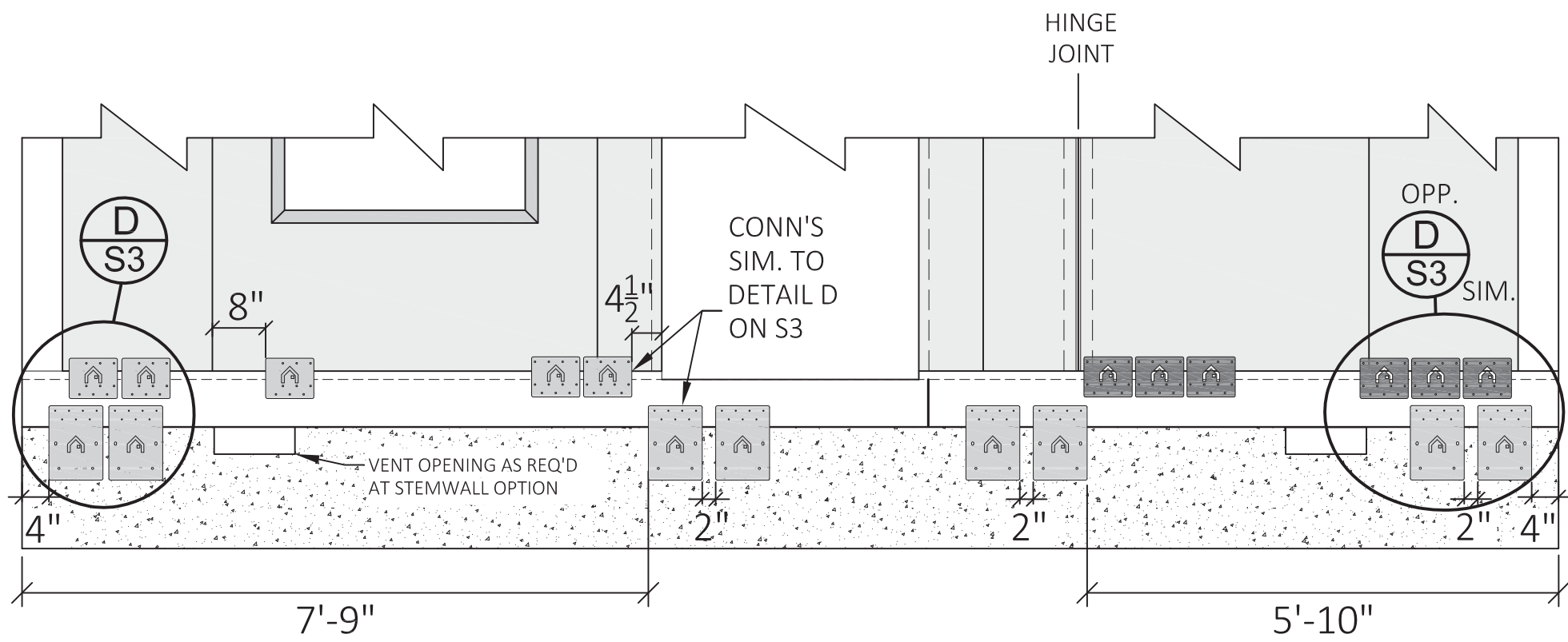
EXPANSIVE SOIL FOUNDATION CONCEPT

| | |
|---------------|-------------|
| UNITS: | FT-IN |
| SHEET FORMAT: | ARCH C |
| SHEET SCALE: | NONE |
| CREATED BY: | MN |
| RELEASE DATE: | 1/31/2024 |
| SHEET: | S3.3 |

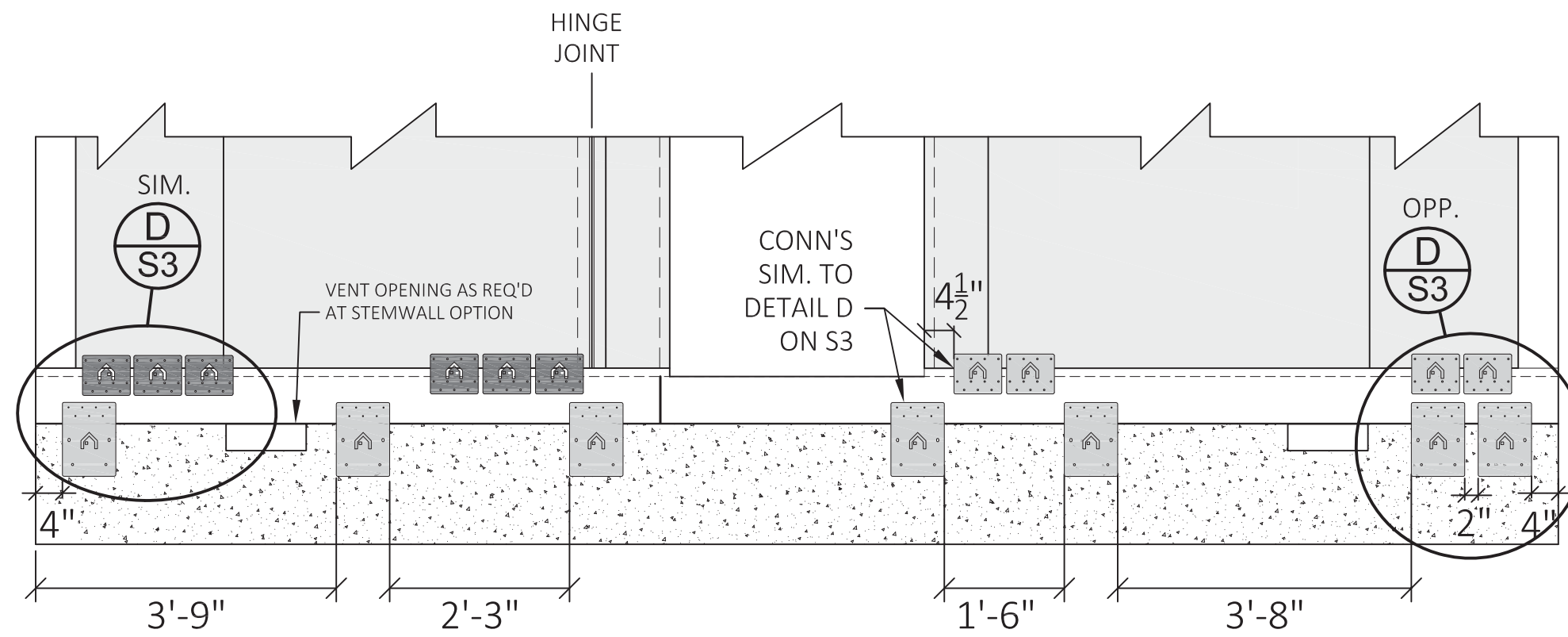
| |
|----------------------|
| MODEL: 2 DOOR CASITA |
| MODEL #: BXB-000009 |

| |
|---|
| BOXABL INC. |
| 5345 EAST NORTH BELT ROAD NORTH LAS VEGAS, NV 89115, USA |
| +1(702) 500-9000 HELLO@BOXABL.COM |







(E) FRONT WALL



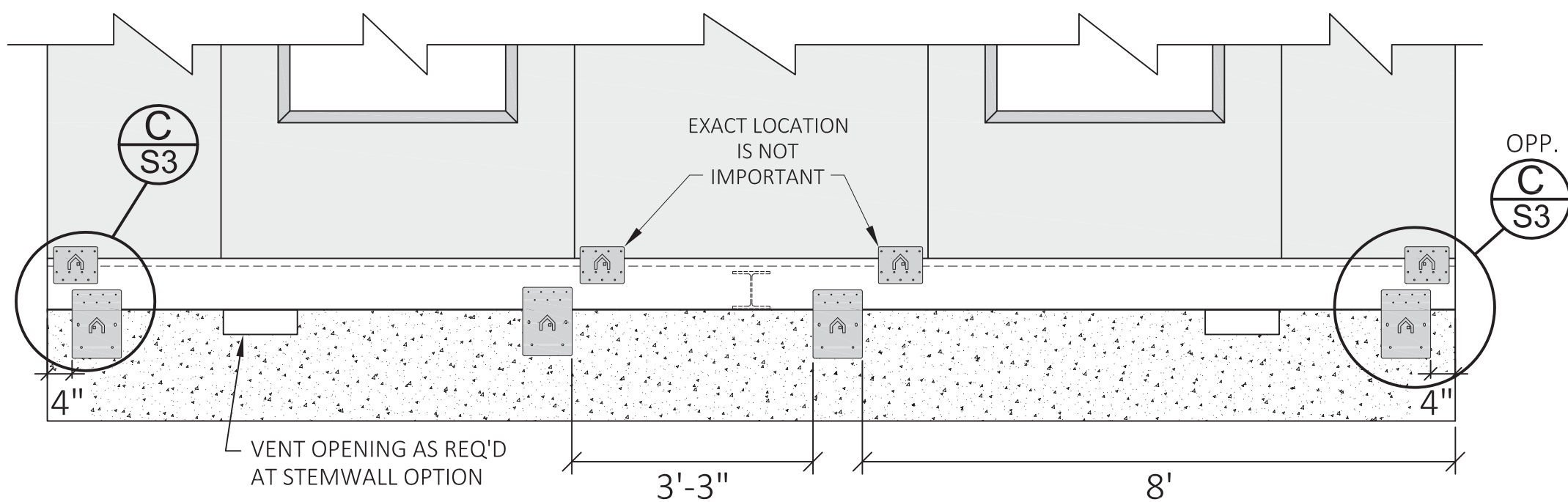
(F) BACK WALL

**CONCRETE FOUNDATION
OPTION
DESIGNED & BUILT BY OTHERS**

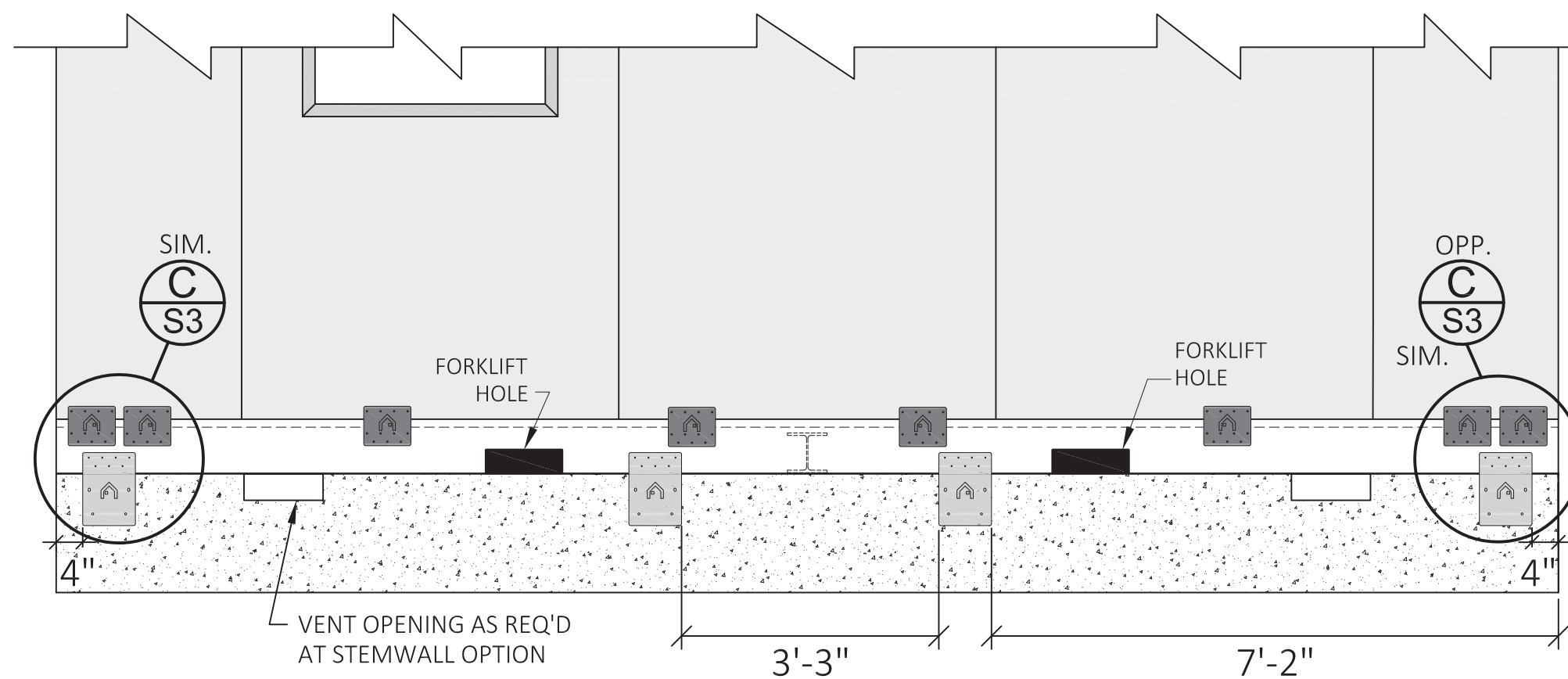
-  FACTORY INSTALLED BOXABL PLATES
(FIELD INSTALL IF ANY ARE MISSING)
-  FIELD INSTALLED BOXABL PLATES

**ANCHOR PLATE REQ'TS FOR
LOW ROOF SLOPE CONDITION**

SEE S4.1 IF TRUSSES ARE USED



(G) LEFT WALL



**(H) RIGHT WALL
KITCHEN SIDE**

| DATE: | REV: | DESCRIPTION: |
|-------|------|--------------|
| | | |
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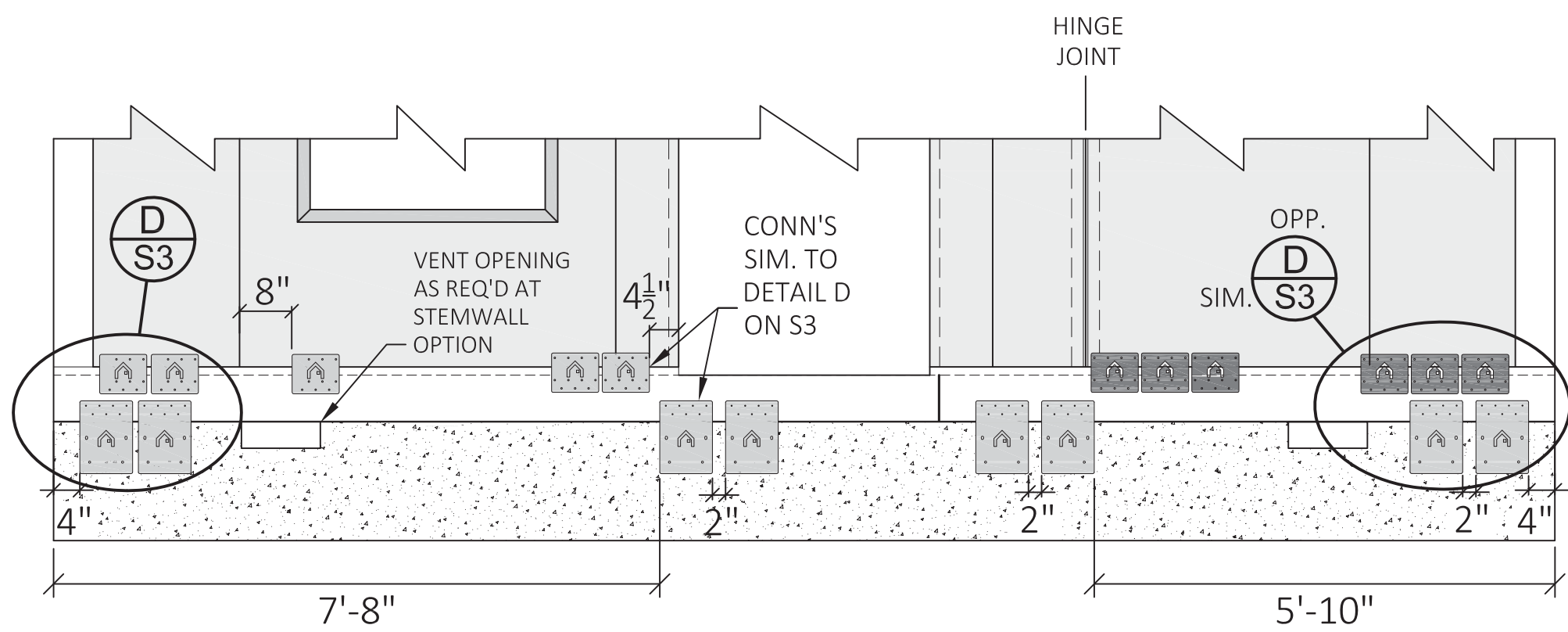
**ANCHOR PL LOCATIONS
TO CONCRETE
(TRUSSES NOT USED)**

| | |
|---------------|-----------|
| UNITS: | FT-IN |
| SHEET FORMAT: | ARCH C |
| SHEET SCALE: | NONE |
| CREATED BY: | MN |
| RELEASE DATE: | 1/31/2024 |
| SHEET: | S4 |

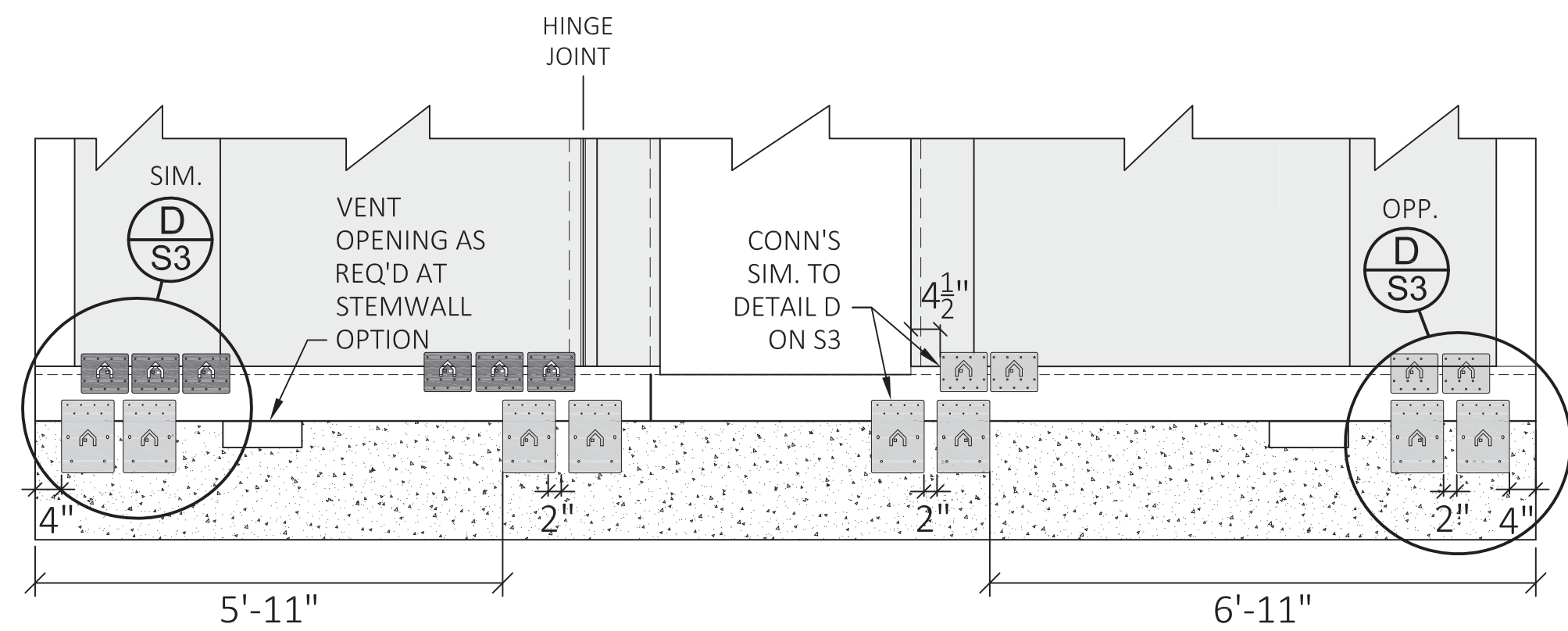
MODEL: 2 DOOR CASITA
MODEL #: BXB-000009

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E FRONT WALL



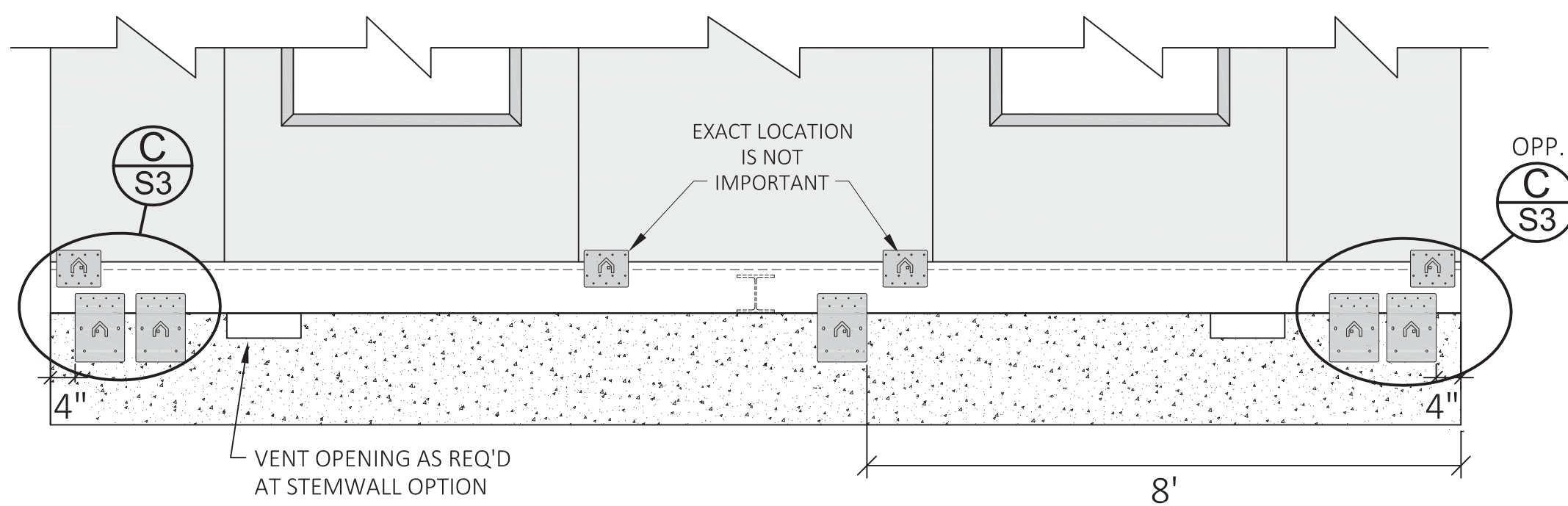
F BACK WALL

**CONCRETE FOUNDATION
OPTION**
DESIGNED & BUILT BY OTHERS

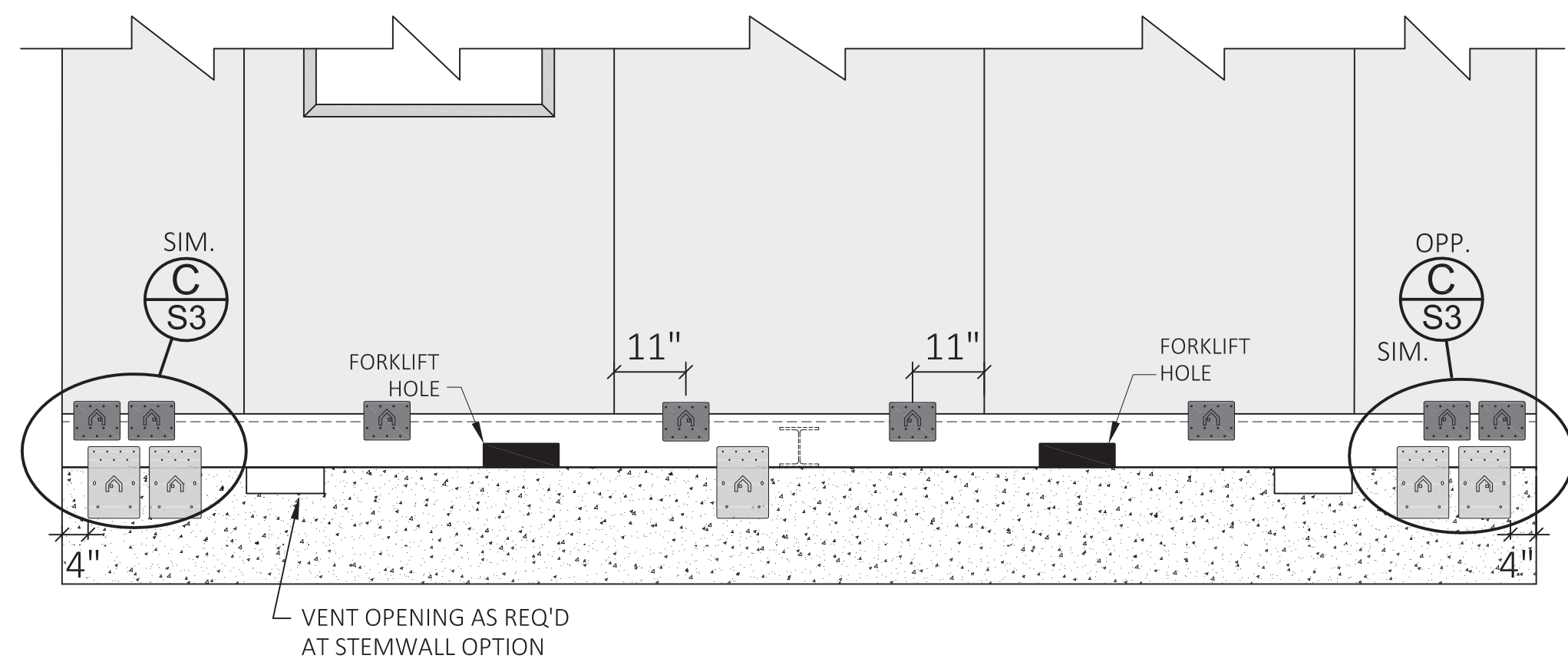
-  FACTORY INSTALLED BOXABL PLATES (FIELD INSTALL IF ANY ARE MISSING)
-  FIELD INSTALLED BOXABL PLATES

**ANCHOR PLATE REQ'TS WHEN ROOF
TRUSSES or PARAPET IS USED**

SEE S4 IF ROOF TRUSSES ARE NOT USED



G LEFT WALL



**H RIGHT WALL
KITCHEN SIDE**

| DATE: | REV: | DESCRIPTION: |
|-------|------|--------------|
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| | | |
| | | |

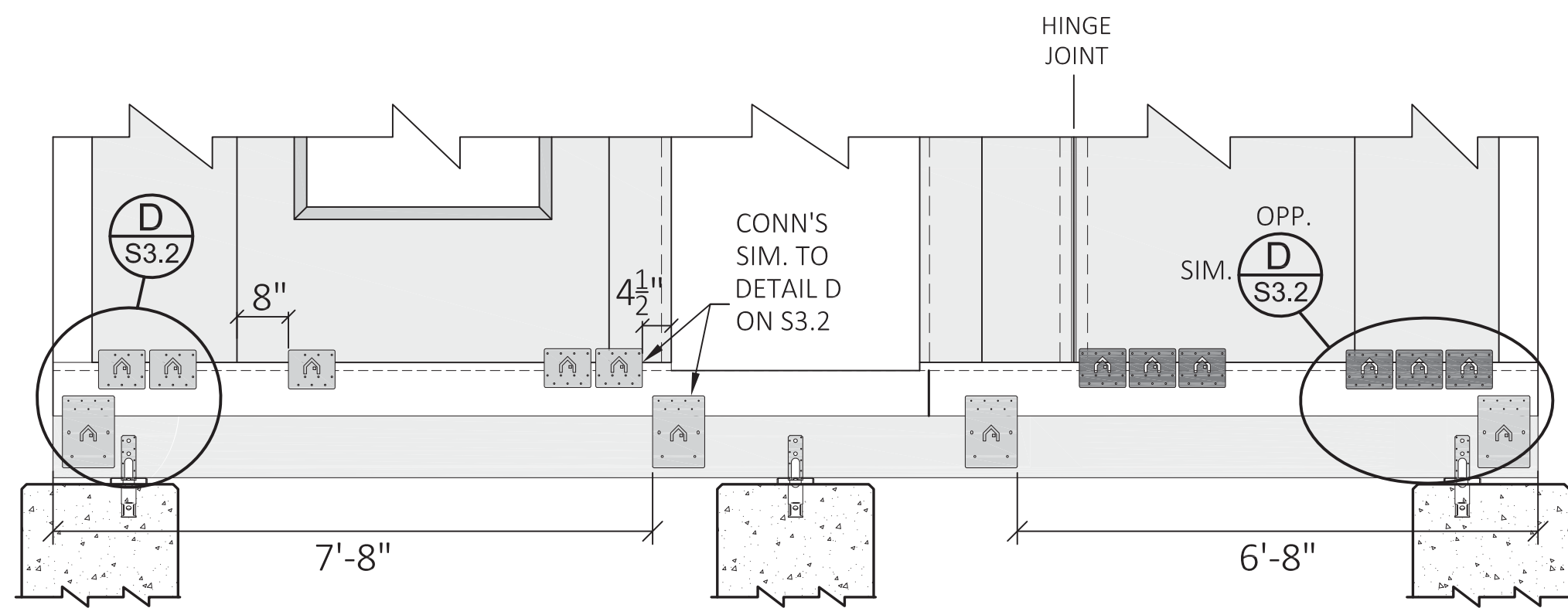
**ANCHOR PL LOCATIONS
TO CONCRETE**
(TRUSSES USED)

| | |
|---------------|-------------|
| UNITS: | FT-IN |
| SHEET FORMAT: | ARCH C |
| SHEET SCALE: | NONE |
| CREATED BY: | MN |
| RELEASE DATE: | 1/31/2024 |
| SHEET: | S4.1 |

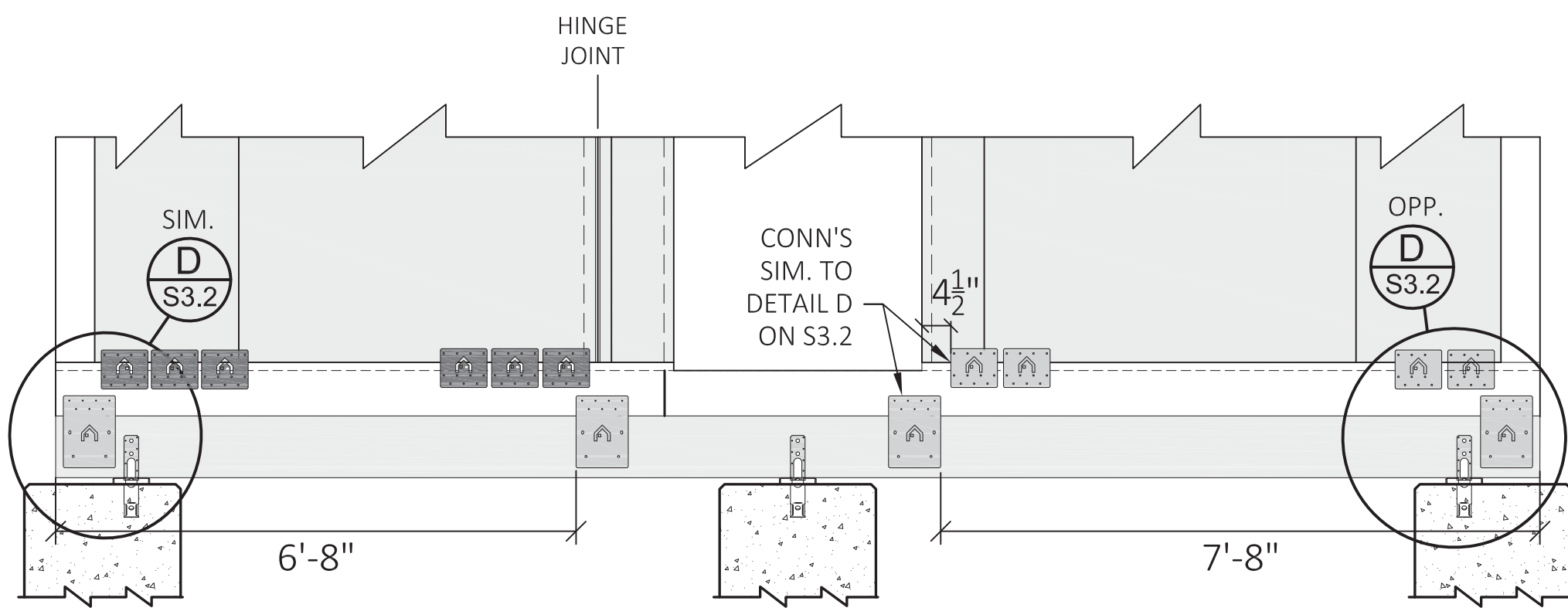
MODEL: 2 DOOR CASITA
MODEL #: BXB-000009

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e FRONT WALL



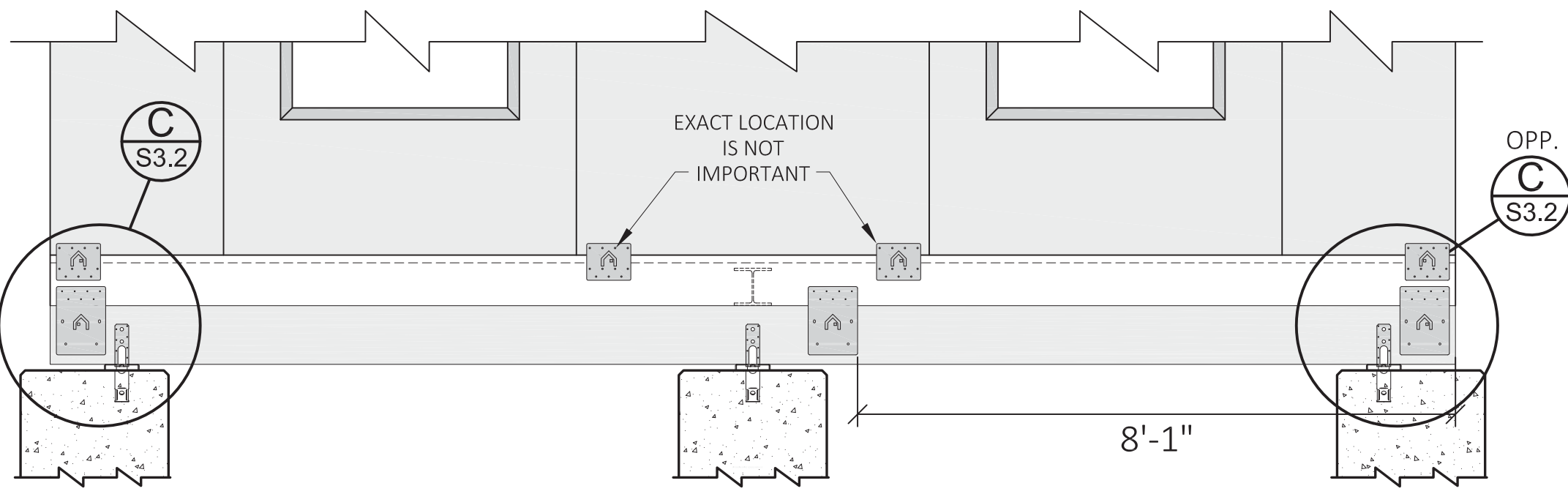
f BACK WALL

**CONCRETE PIER & BEAM
OPTION**
DESIGNED & BUILT BY OTHERS

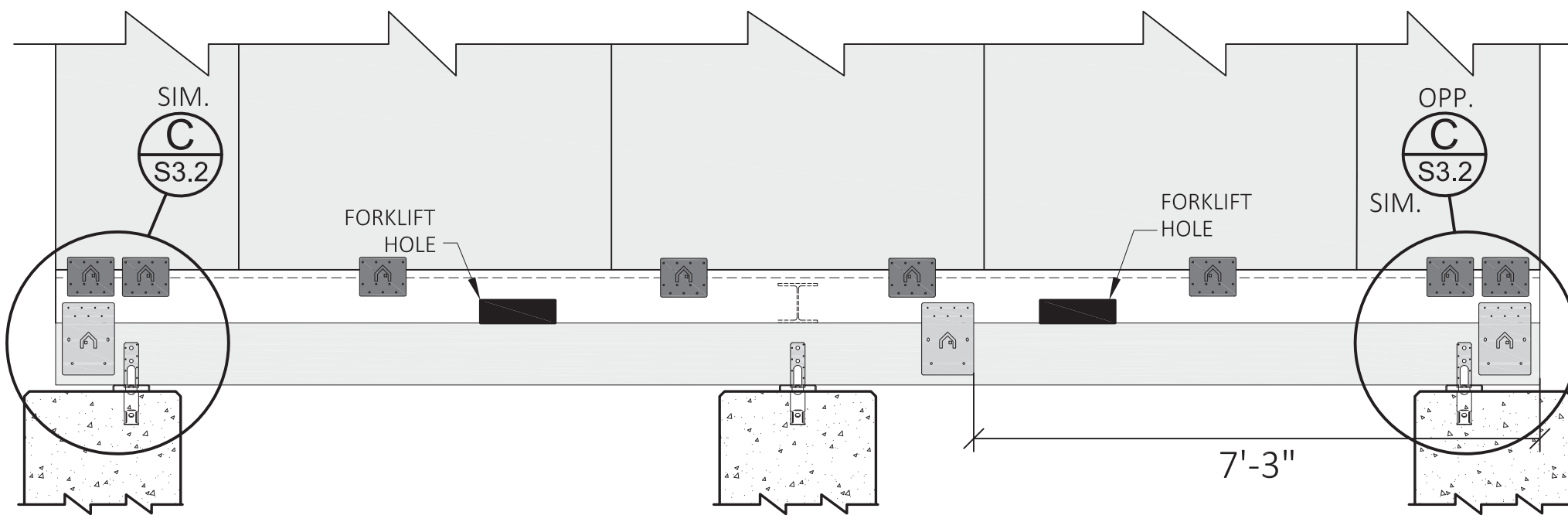
-  FACTORY INSTALLED BOXABL PLATES (FIELD INSTALL IF ANY ARE MISSING)
-  FIELD INSTALLED BOXABL PLATES

**ANCHOR PLATE REQ'TS FOR
LOW SLOPE ROOF CONDITION**

SEE S4.3 IF TRUSSES ARE USED



G LEFT WALL



H RIGHT WALL
KITCHEN SIDE

| DATE: | REV: | DESCRIPTION: |
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| | | |
| | | |
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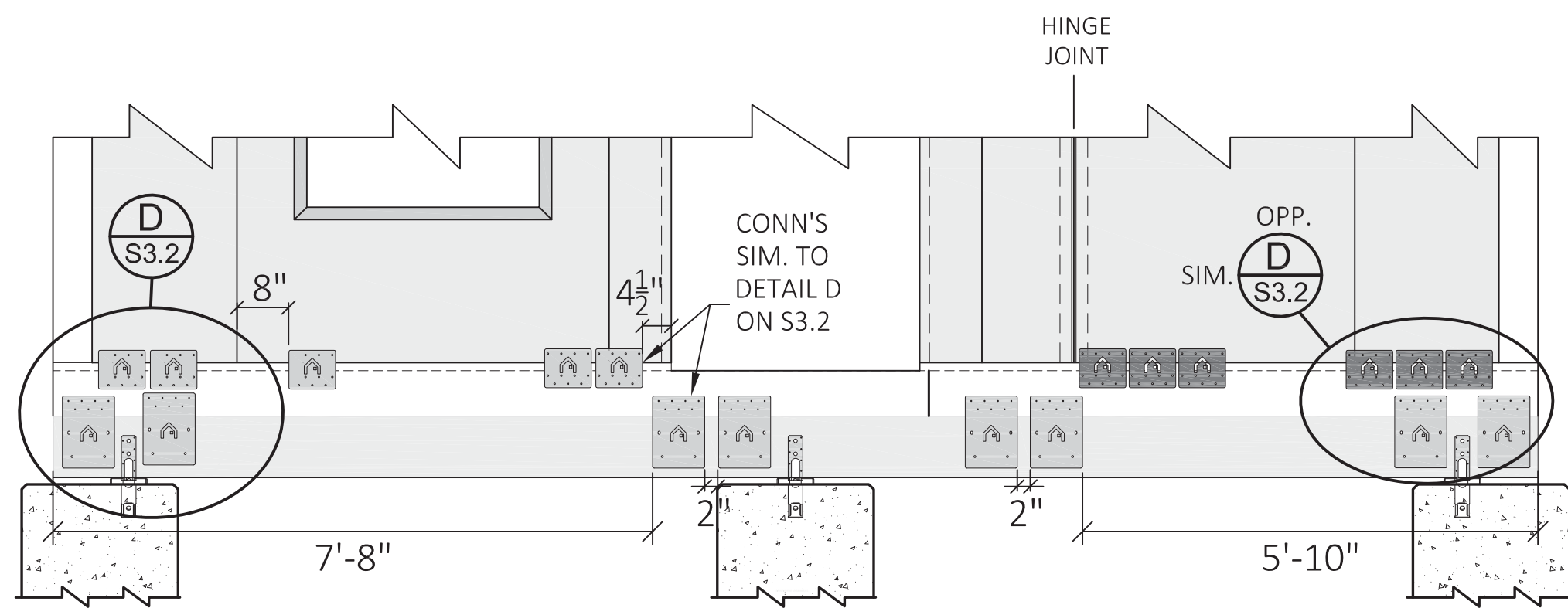
**ANCHOR PL LOCATIONS
TO WOOD SUPPORTS**
(TRUSSES NOT USED)

| | |
|---------------|-------------|
| UNITS: | FT-IN |
| SHEET FORMAT: | ARCH C |
| SHEET SCALE: | NONE |
| CREATED BY: | MN |
| RELEASE DATE: | 1/31/2024 |
| SHEET: | S4.2 |

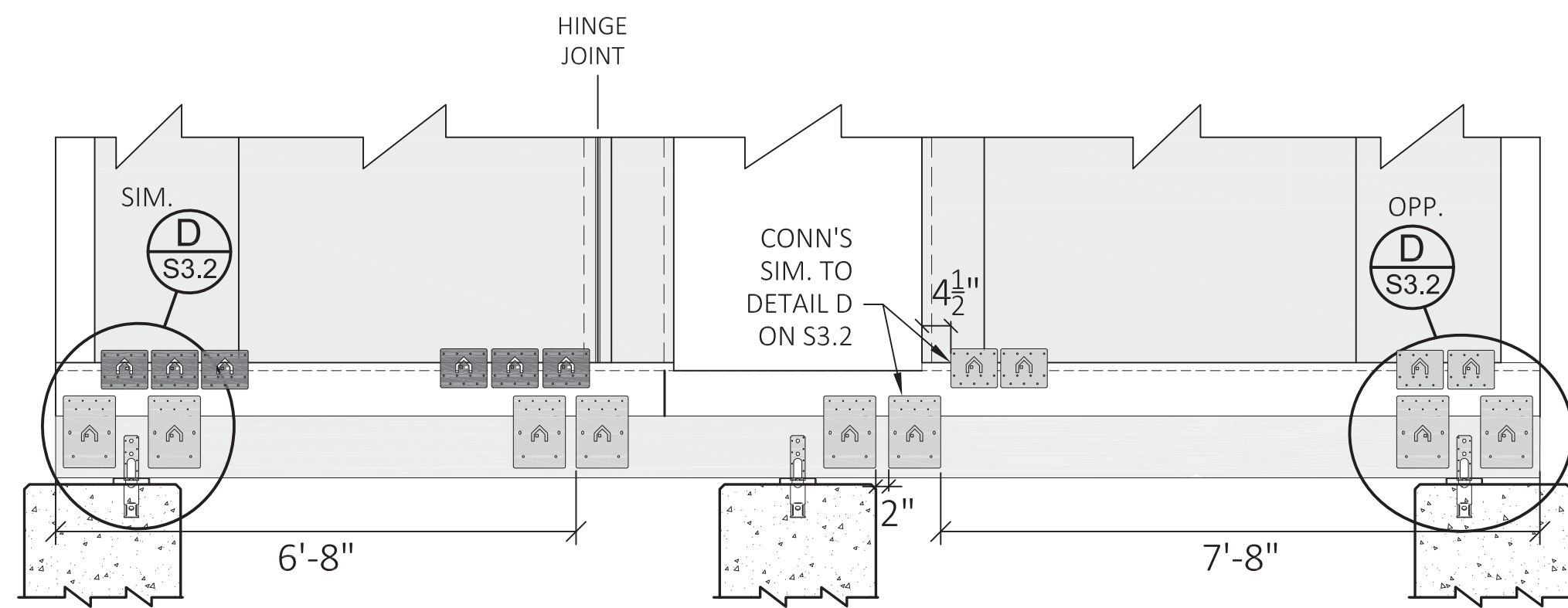
MODEL: 2 DOOR CASITA
MODEL #: BXB-000009

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e FRONT WALL



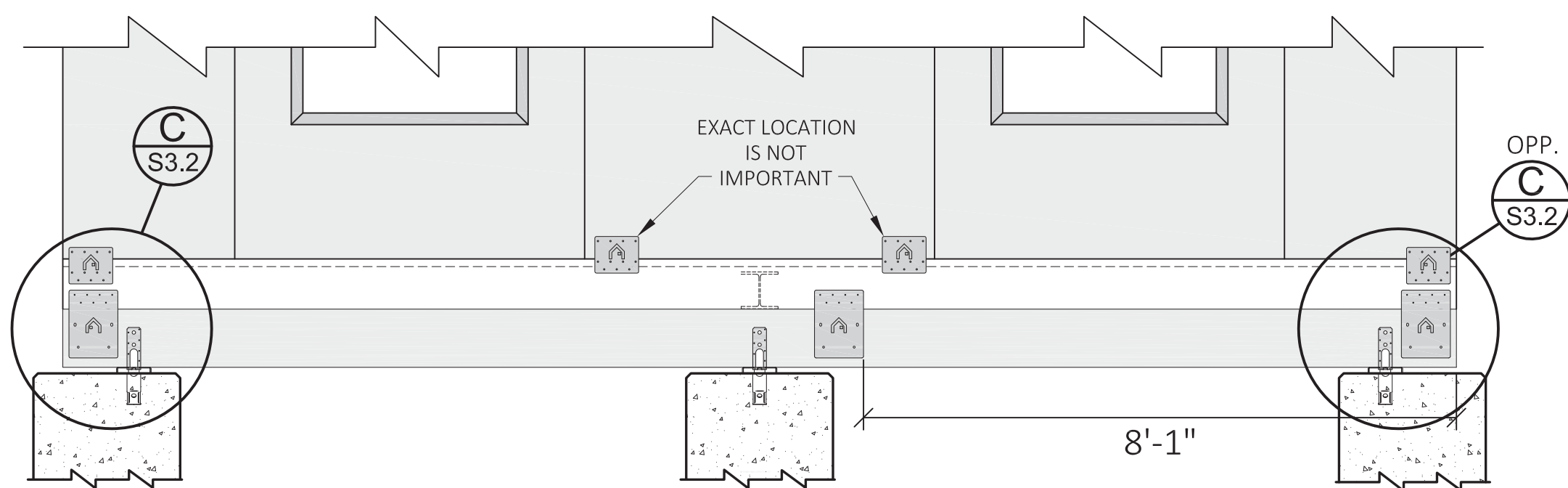
f BACK WALL

**CONCRETE PIER & BEAM
OPTION**
DESIGNED & BUILT BY OTHERS

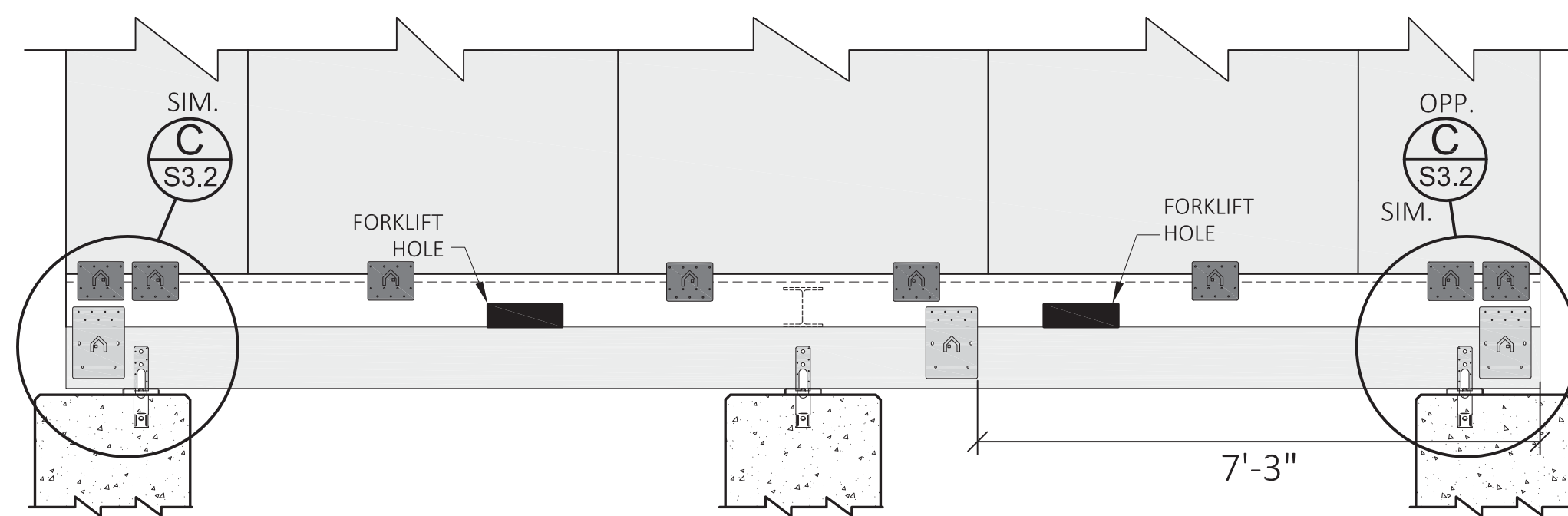
-  FACTORY INSTALLED BOXABL PLATES (FIELD INSTALL IF ANY ARE MISSING)
-  FIELD INSTALLED BOXABL PLATES

**ANCHOR PLATE REQ'TS WHEN
ROOF TRUSSES ARE ADDED**

SEE S4.2 IF TRUSSES ARE NOT USED



G LEFT WALL



H RIGHT WALL
KITCHEN SIDE

| DATE: | REV: | DESCRIPTION: |
|-------|------|--------------|
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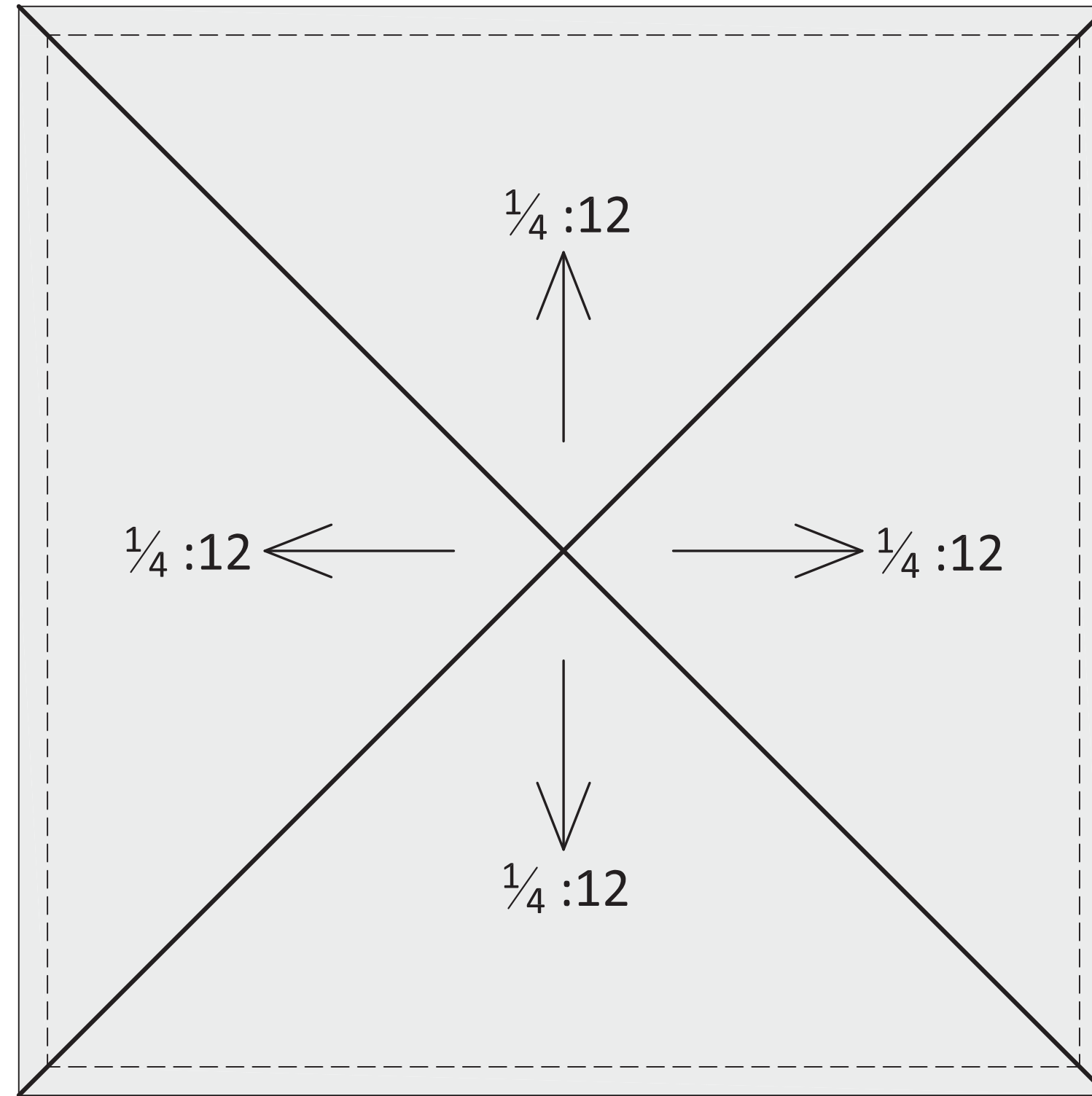
**ANCHOR PL LOCATIONS
TO WOOD SUPPORTS**
(TRUSSES USED)

| | |
|---------------|-------------|
| UNITS: | FT-IN |
| SHEET FORMAT: | ARCH C |
| SHEET SCALE: | NONE |
| CREATED BY: | MN |
| RELEASE DATE: | 1/31/2024 |
| SHEET: | S4.3 |

| | |
|----------|---------------|
| MODEL: | 2 DOOR CASITA |
| MODEL #: | BXB-000009 |

| | |
|---|------------------|
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| +1(702) 500-9000 | HELLO@BOXABL.COM |





TPO ROOFING
 OVER
 TAPERED INSULATION
 GLUED TO ROOF.
 PER DESIGN BY OTHERS

| DATE: | REV: | DESCRIPTION: |
|-------|------|--------------|
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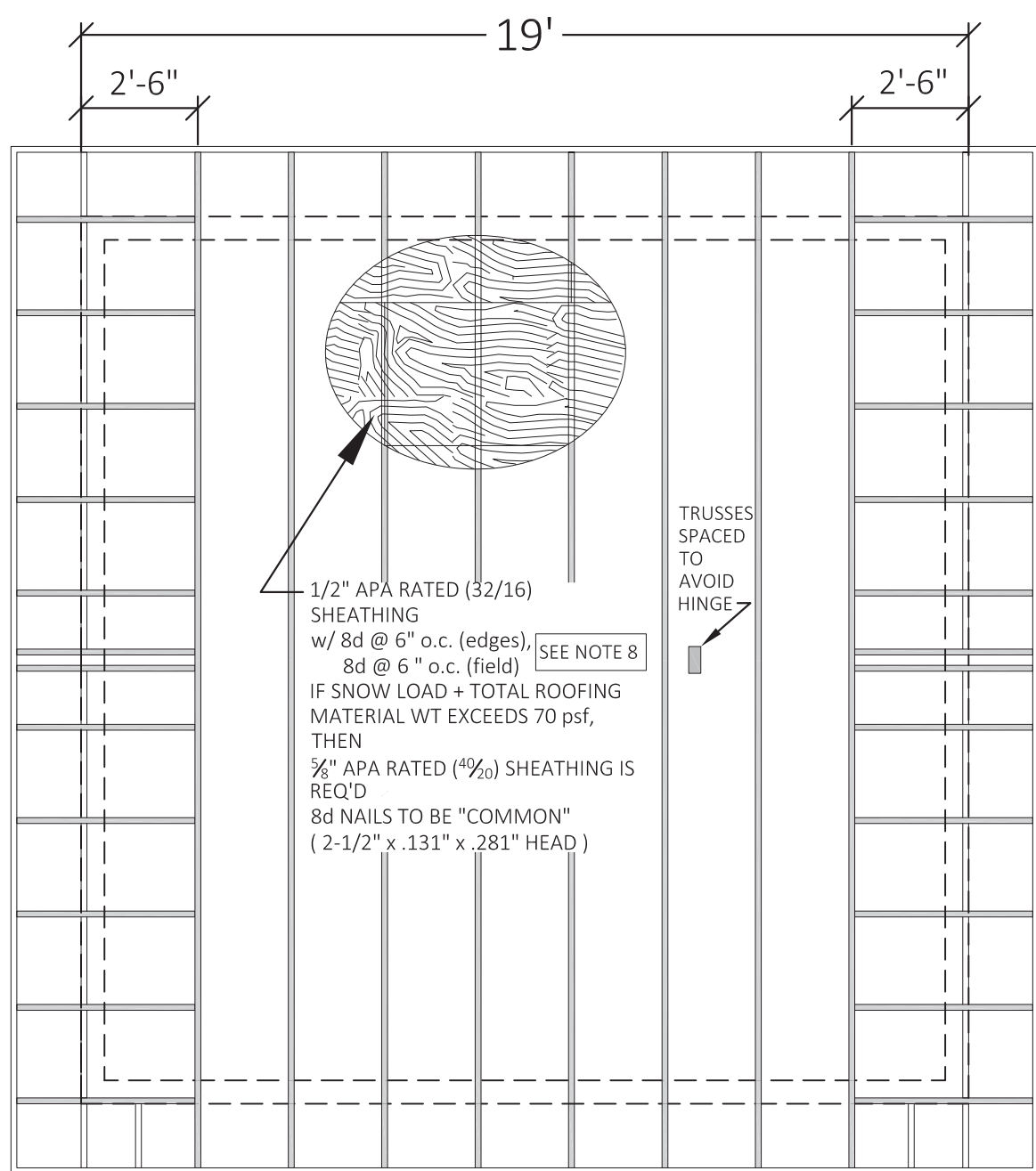
**LOW SLOPE
 ROOF OPTION**

| | |
|---------------|-----------|
| UNITS: | FT-IN |
| SHEET FORMAT: | ARCH C |
| SHEET SCALE: | NONE |
| CREATED BY: | |
| RELEASE DATE: | 5/7/2024 |
| SHEET: | S5 |

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|----------------------|
| MODEL: 1 DOOR CASITA |
| MODEL #: BXB-000002 |

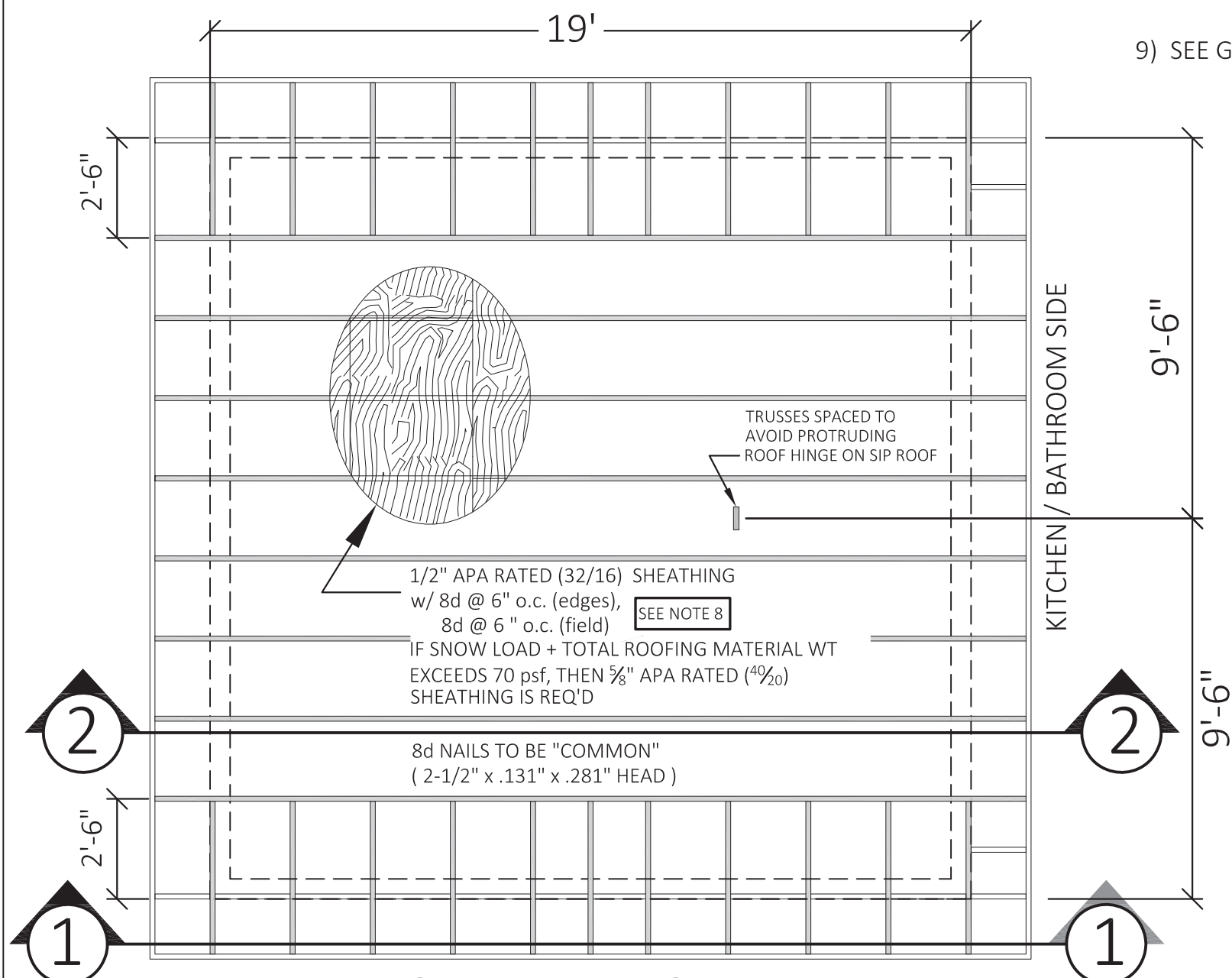
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|---|
| BOXABL INC. |
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| +1(702) 500-9000 HELLO@BOXABL.COM |





ORIENTATION #2

(REQUIRED IN SEISMIC CATEGORIES D, E and F)

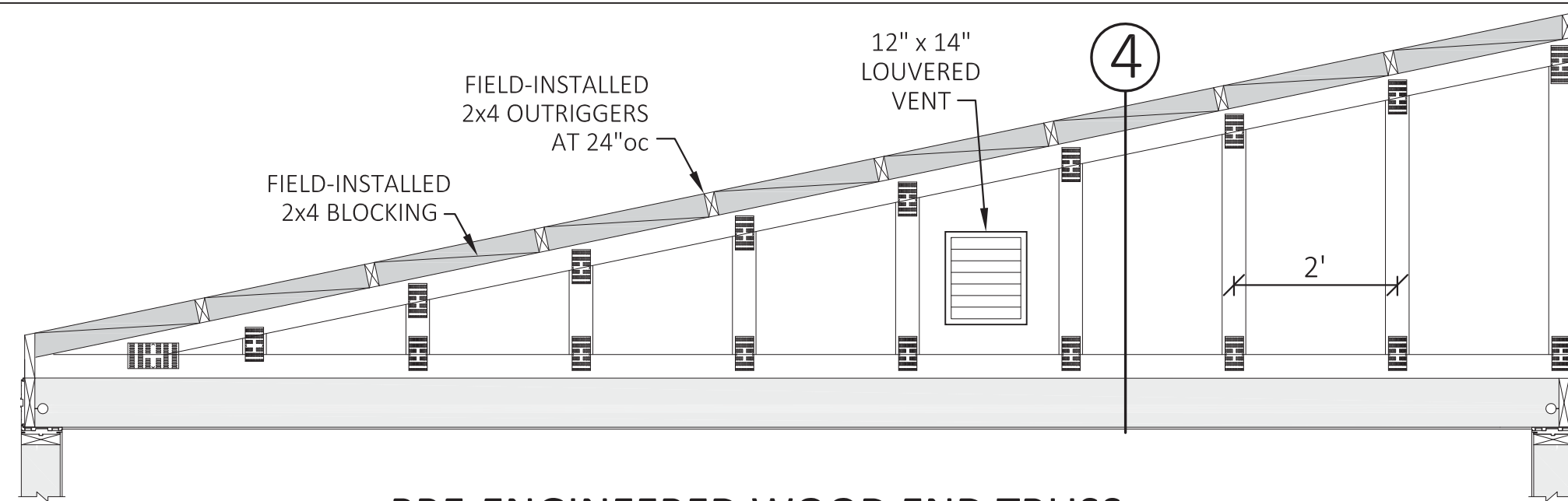


ORIENTATION #1

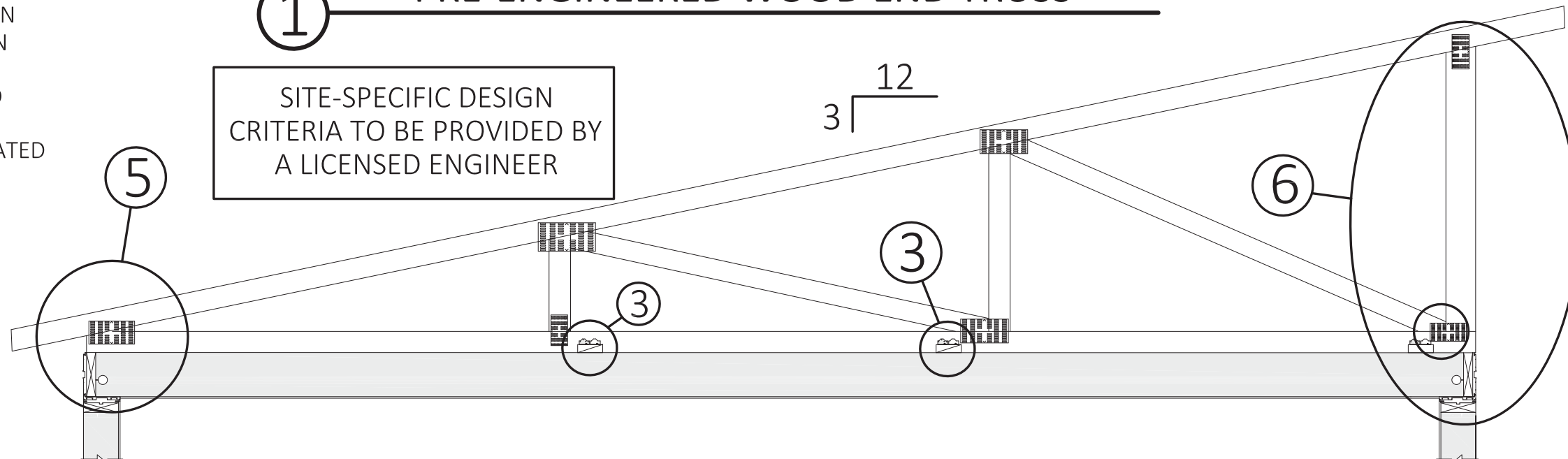
(NOT ALLOWED IN SEISMIC CATEGORIES D, E or F)

NOTES:

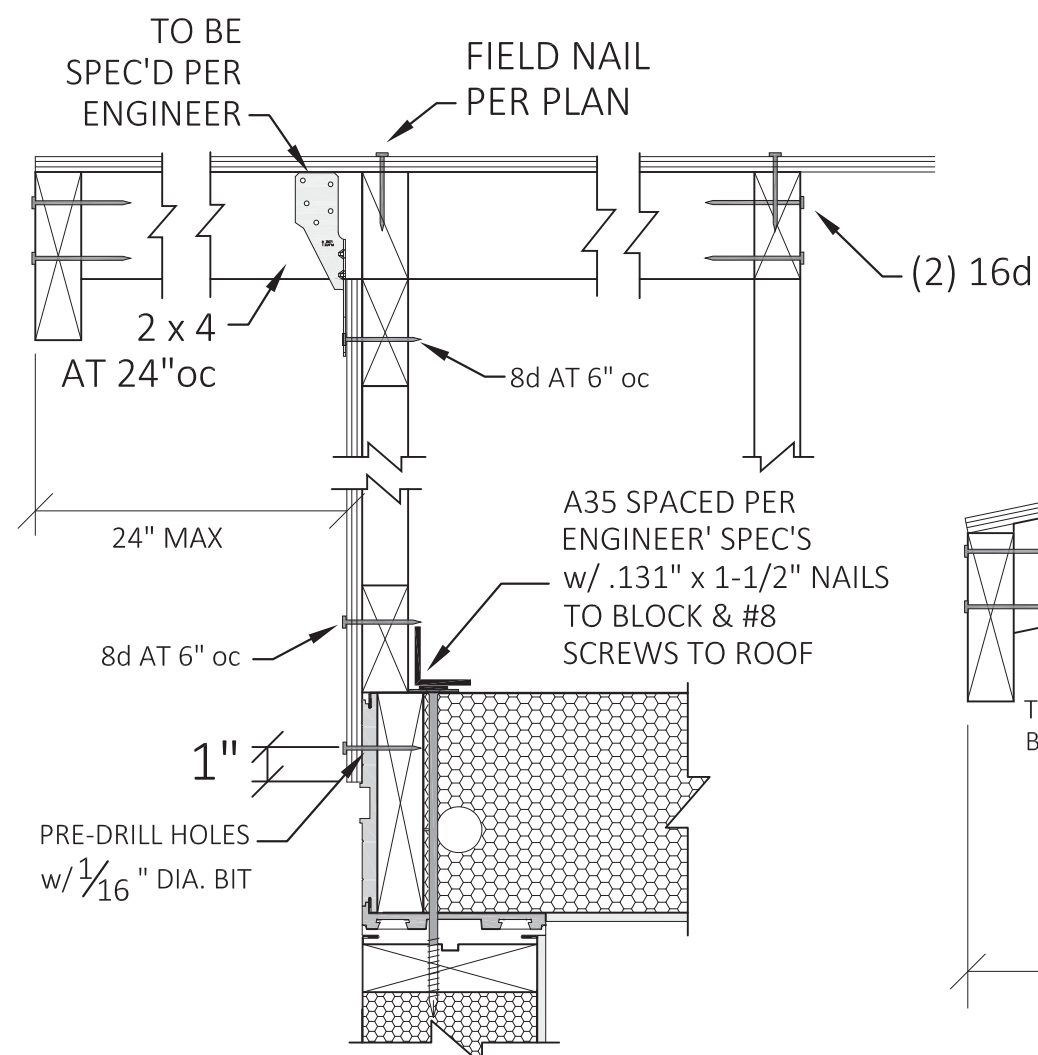
- 1) TRUSS MNFR TO DESIGN TRUSSES ASSUMING SUPPORT ONLY AT THE WALLS.
- 2) ASSUME BOTTOM CHORD OF EACH TRUSS WILL BE RESTRAINED AGAINST LATERAL MOVEMENT IN BOTH HORIZONTAL DIRECTIONS BY THE A34 CLIPS INDATED ON THE TRUSS PROFILES. DESIGN EACH TRUSS TO TRANSMIT LATERAL WIND FROM THE TOP CHORD TO THE BOTTOM CHORD.
- 3) INSTALL SIMPSON STRONG-TIE HARDWARE PER SIMPSON SPECIFICATIONS, U.N.O.
- 4) TO ACCOMMODATE POSSIBLE DEVIATIONS IN ACTUAL TRUSS GEOMETRY & CONSTRUCTION SHOWN ON THESE DRAWING, THE CONNECTION INFO SHOWN TO BE DESIGNED BY A STRUCTURAL ENGINEER LICENSED IN THE STATE OF INSTALLATION & COORDINATED WITH THE TRUSS MNFR'S SHOP DRAWINGS.
- 5) FOR ROOF PITCHES STEEPER THAN 5: 12 CONTACT BOXABL FOR SPECIAL DESIGN.
- 6) STABILITY DURING ERECTION TO BE DESIGNED & SUPPLIED BY OTHERS.
- 7) CLAY OR CONCRETE TILE NOT ALLOWED IN SEISMIC CATEGORIES D, E, or F.
- 8) IF THE ULTIMATE DESIGN WIND SPEED IS OVER 130 mph, Exp. B OR 110 mph, Exp. C, THEN REDUCE SHEATHING EDGE AND FIELD NAIL SPACING TO 4"oc WITHIN 4 ft OF THE PERIMETER EDGE.
- 9) SEE GENERAL NOTES SHEET FOR MORE INFO.



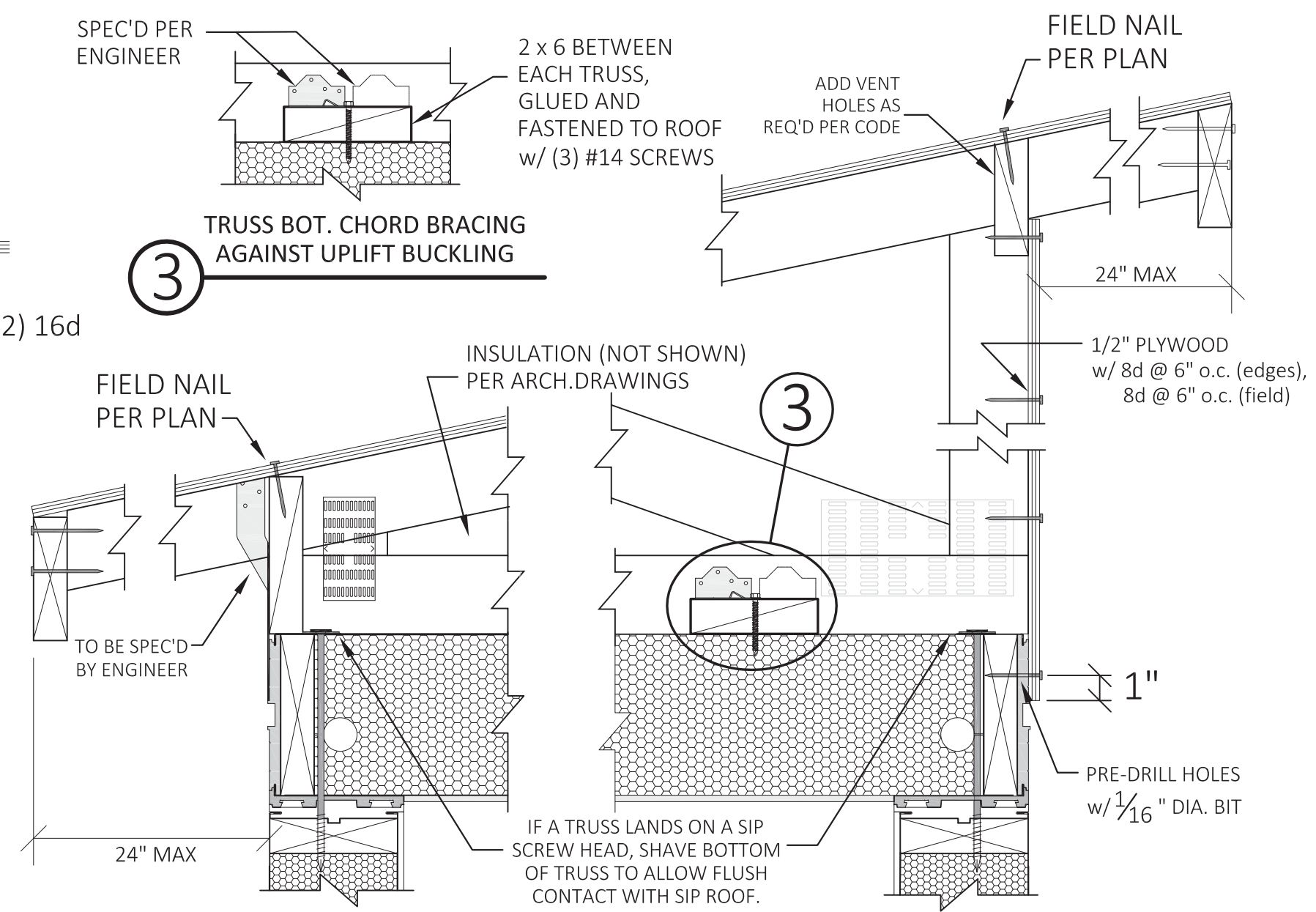
1 PRE-ENGINEERED WOOD END TRUSS



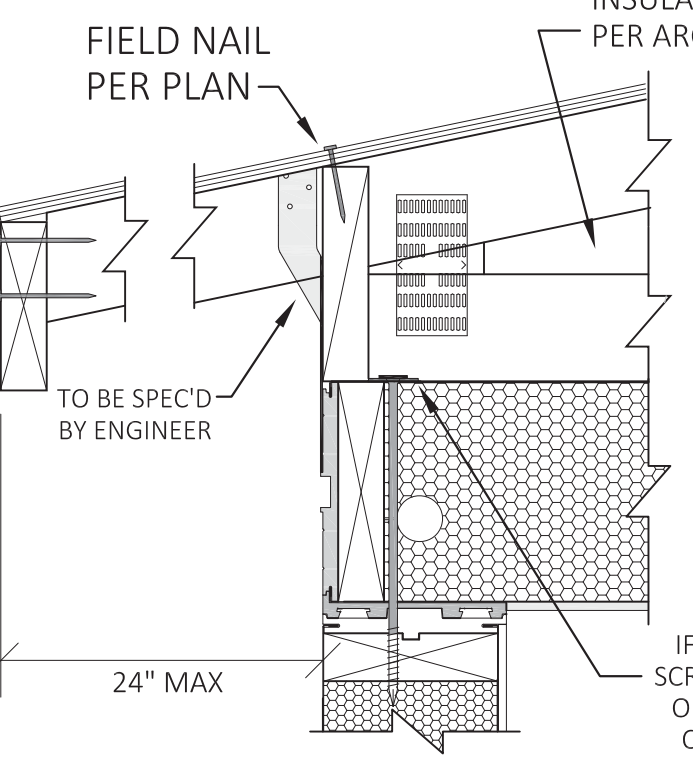
2 PRE-ENGINEERED WOOD TRUSS



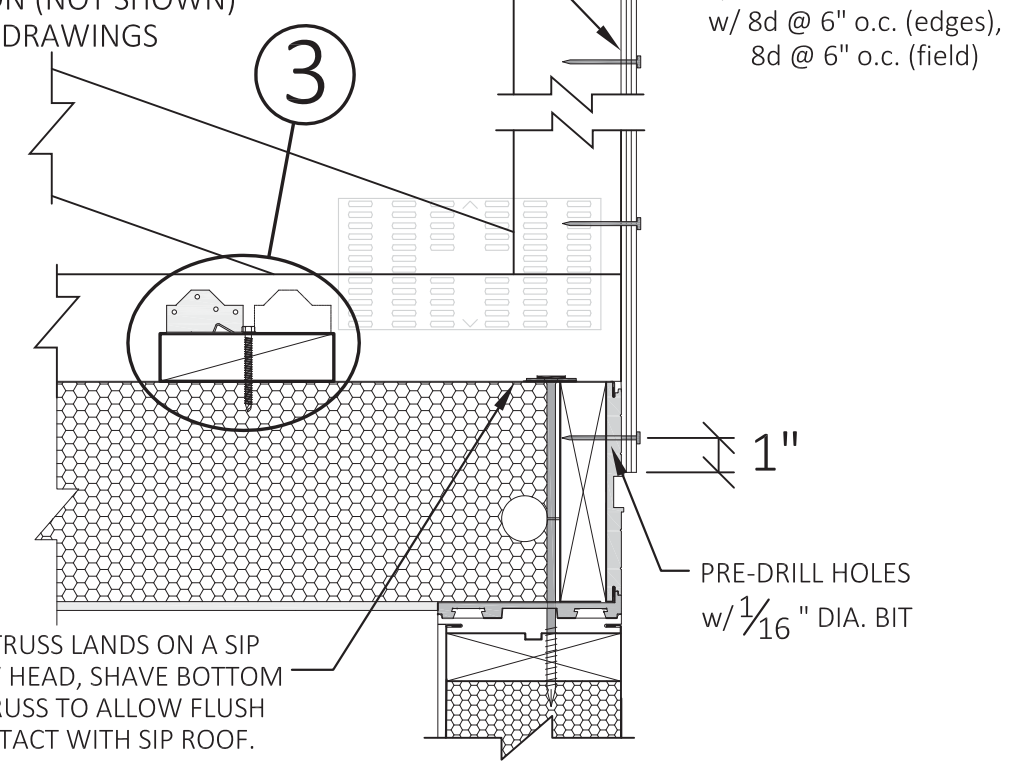
4 GABLE END TRUSS TO ROOF EDGE



3 TRUSS BOT. CHORD BRACING AGAINST UPLIFT BUCKLING



5 LEFT EDGE CONNECTION



6 RIGHT EDGE CONN.

| DATE: | REV: | DESCRIPTION: |
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THIS TRUSS PROFILE HAS NOT YET BEEN SUBMITTED FOR APPROVED BY THE CA. DEPT. OF HOUSING & URBAN DEVELOPMENT. HOWEVER, IT CAN BE USED IF SUBMITTED (ALONG WITH CUSTOM, STAND-ALONE, SITE-SPECIFIC ENGINEERED CASITA DOCUMENTS) FOR LOCAL BUILDING DEPT. APPROVAL

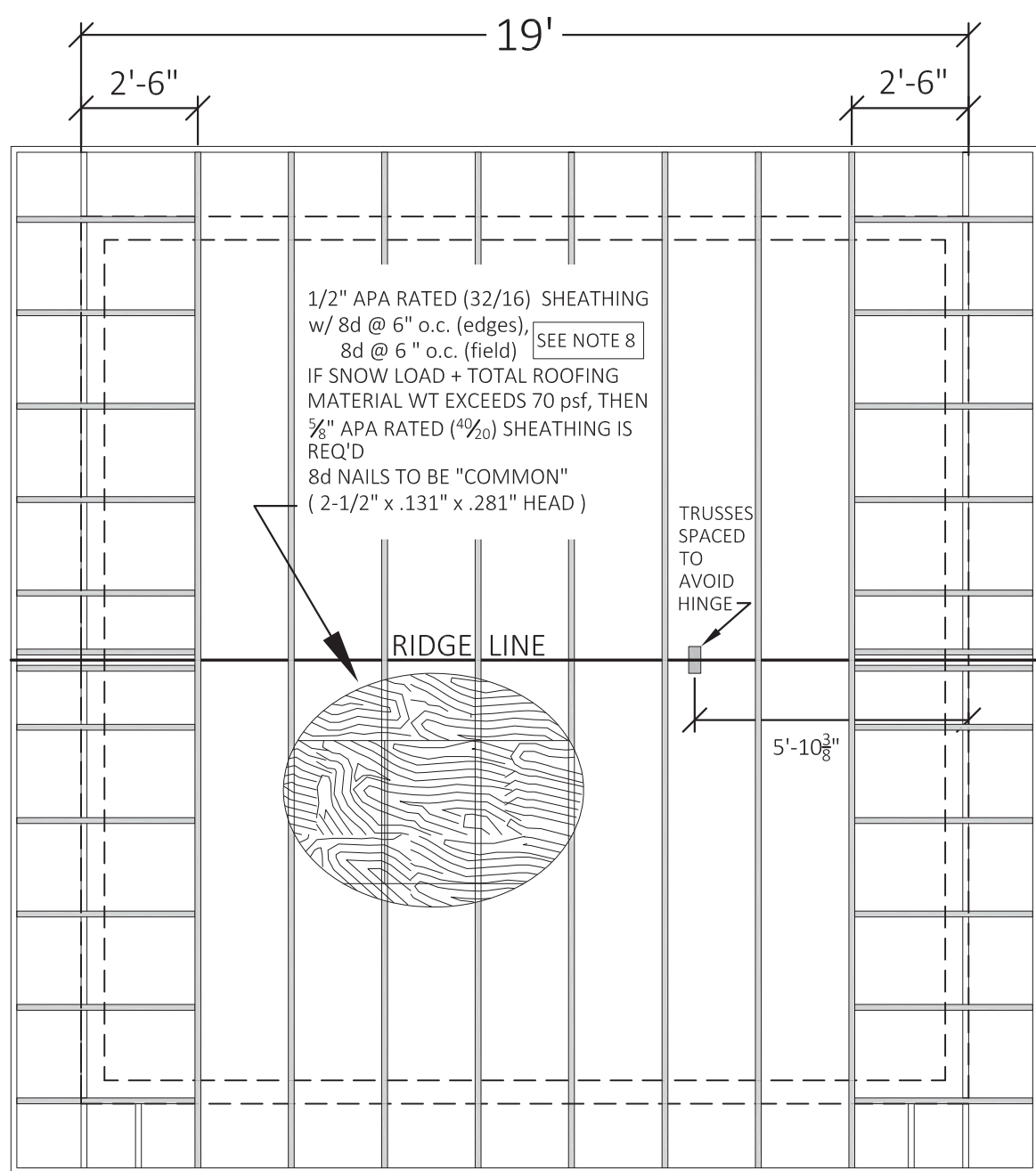
HIGH SLOPE SHED ROOF OPTION

| | |
|---------------|-----------|
| UNITS: | FT-IN |
| SHEET FORMAT: | ARCH C |
| SHEET SCALE: | NONE |
| CREATED BY: | |
| RELEASE DATE: | 5/28/2024 |
| SHEET: | S6 |

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|----------------------|
| MODEL: 2 DOOR CASITA |
| MODEL #: BXB-000009 |

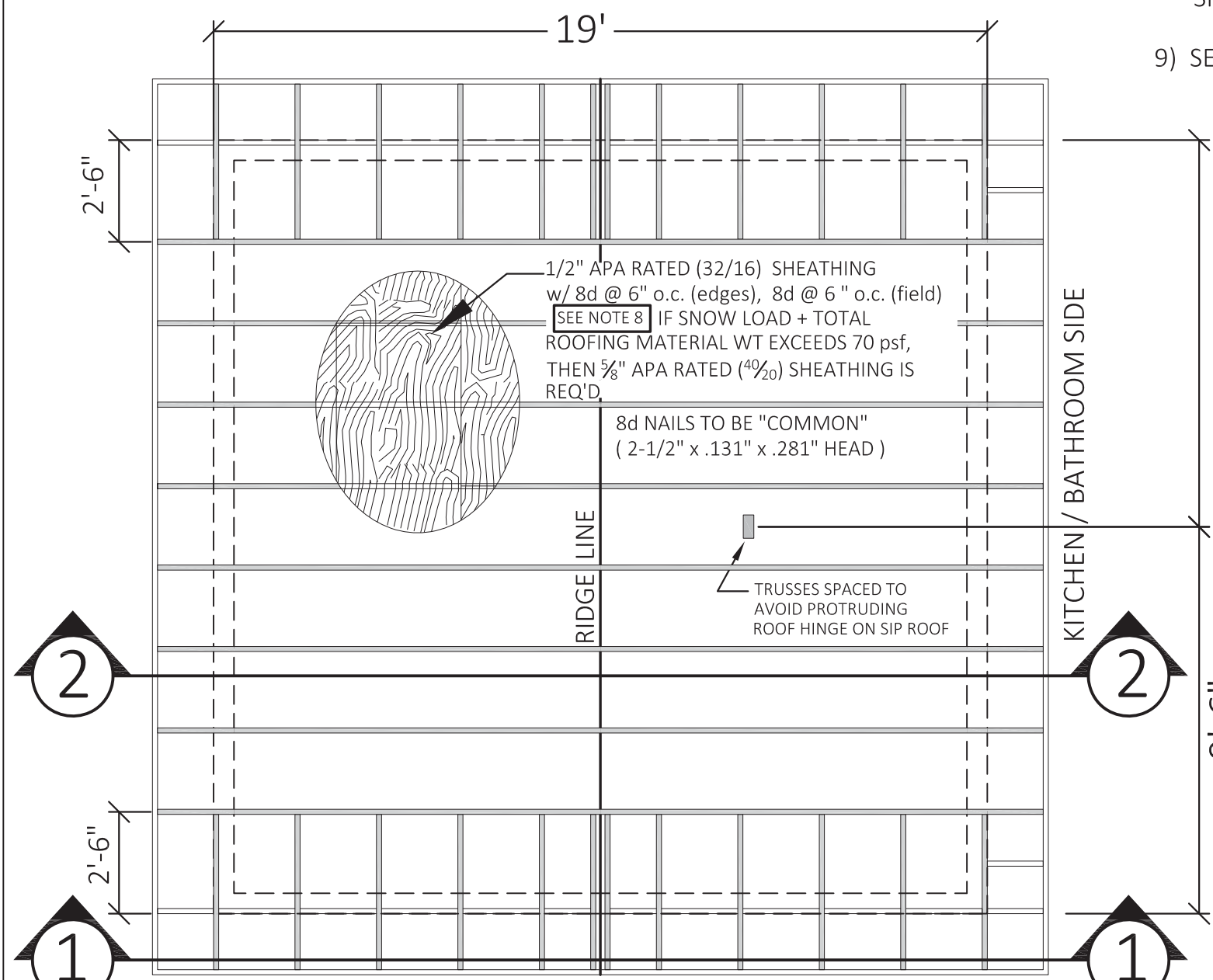
| |
|---|
| BOXABL INC. |
| 5345 EAST NORTH BELT ROAD NORTH LAS VEGAS, NV 89115, USA |
| +1(702) 500-9000 HELLO@BOXABL.COM |





ORIENTATION #2

(REQUIRED IN SEISMIC CATEGORIES D and E)

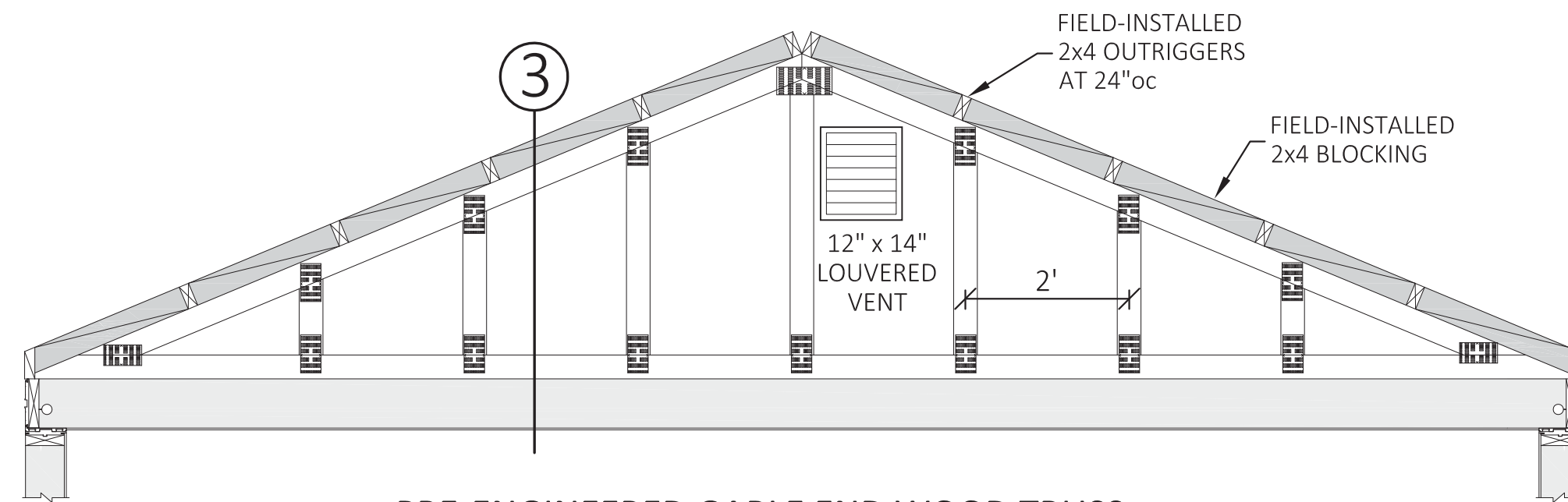


ORIENTATION #1

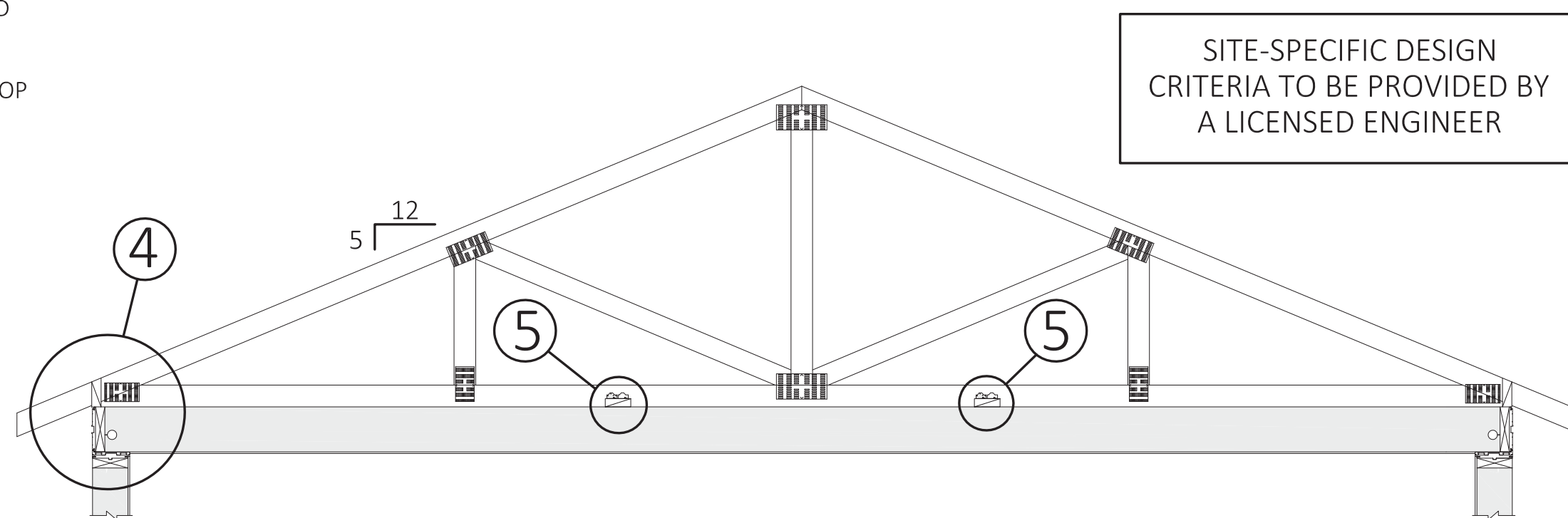
(NOT ALLOWED IN SEISMIC CATEGORIES D or E)

NOTES:

- 1) TRUSS MNFR TO DESIGN TRUSSES ASSUMING SUPPORT ONLY AT THE WALLS.
- 2) ASSUME BOTTOM CHORD OF EACH TRUSS WILL BE RESTRAINED AGAINST LATERAL MOVEMENT IN BOTH HORIZONTAL DIRECTIONS BY THE A34 CLIPS INDICATED ON THE TRUSS PROFILES. DESIGN EACH TRUSS TO TRANSMIT LATERAL WIND FROM THE TOP CHORD TO THE BOTTOM CHORD.
- 3) INSTALL SIMPSON STRONG-TIE HARDWARE PER SIMPSON SPECIFICATIONS, U.N.O.
- 4) TO ACCOMMODATE POSSIBLE DEVIATIONS IN ACTUAL TRUSS GEOMETRY & CONSTRUCTION SHOWN ON THESE DRAWING, THE CONNECTION INFO SHOWN TO BE DESIGNED BY A STRUCTURAL ENGINEER LICENSED IN THE STATE OF INSTALLATION AND COORDINATED WITH THE TRUSS MNFR'S SHOP DRAWINGS
- 5) FOR ROOF PITCHES STEEPER THAN 5:12 CONTACT BOXABL FOR SPECIAL DESIGN.
- 6) STABILITY DURING ERECTION TO BE DESIGNED & SUPPLIED BY OTHERS.
- 7) CLAY OR CONCRETE TILE NOT ALLOWED IN SEISMIC CATEGORIES D OR E.
- 8) IF THE ULTIMATE DESIGN WIND SPEED IS OVER 130 mph, Exp. B OR 110 mph, Exp. C, THEN REDUCE SHEATHING EDGE AND FIELD NAIL SPACING TO 4"oc
- 9) SEE GENERAL NOTES SHEET FOR MORE INFO.

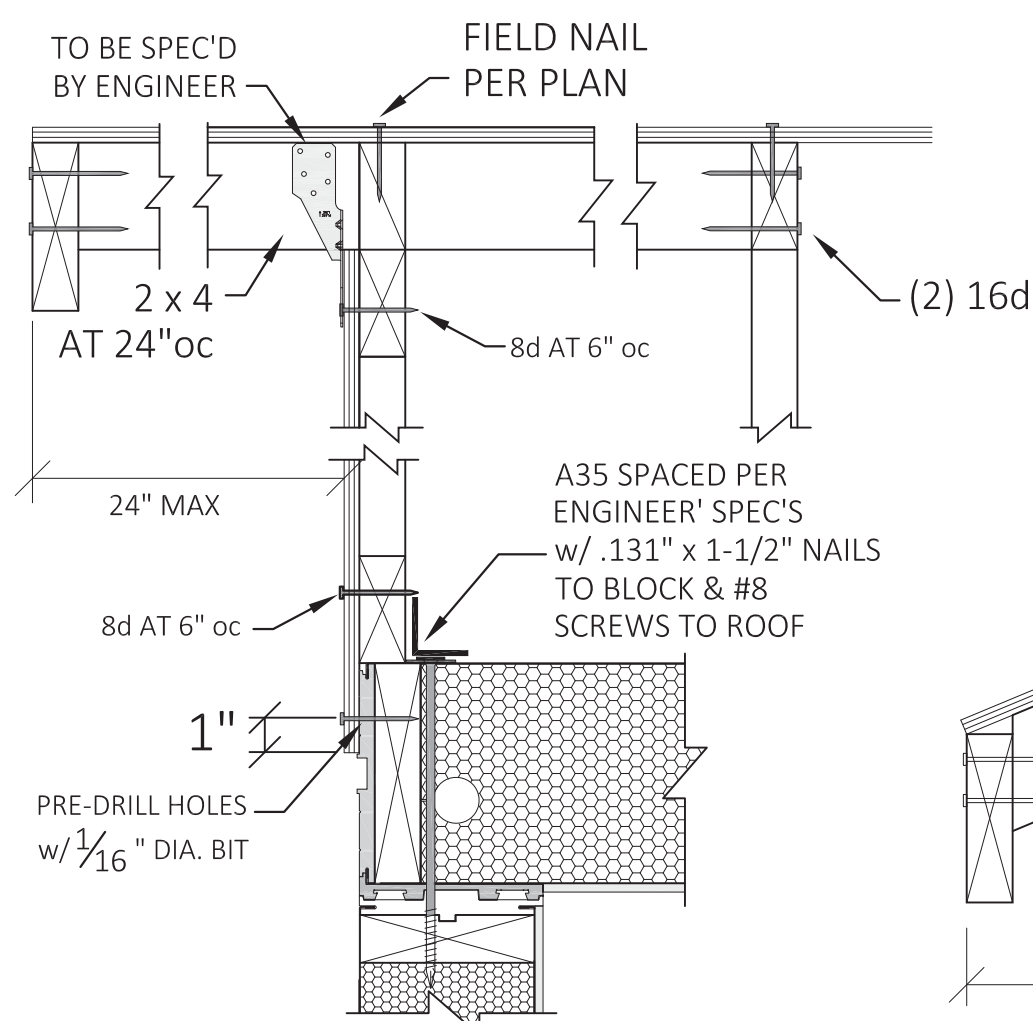


1 PRE-ENGINEERED GABLE END WOOD TRUSS

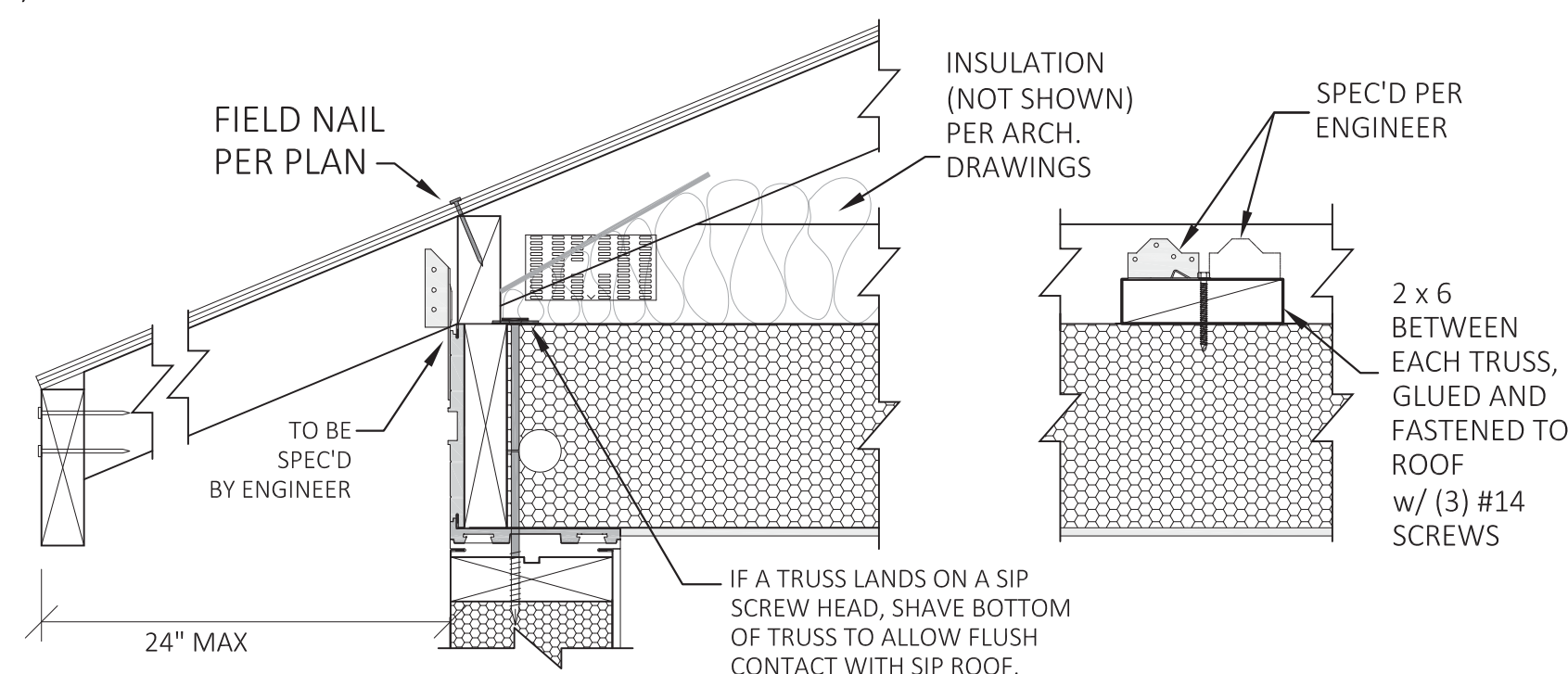


2 PRE-ENGINEERED WOOD TRUSS

SITE-SPECIFIC DESIGN CRITERIA TO BE PROVIDED BY A LICENSED ENGINEER



3 GABLE END TRUSS TO ROOF EDGE




4 TRUSS-TO-SIP ROOF AT EAVE

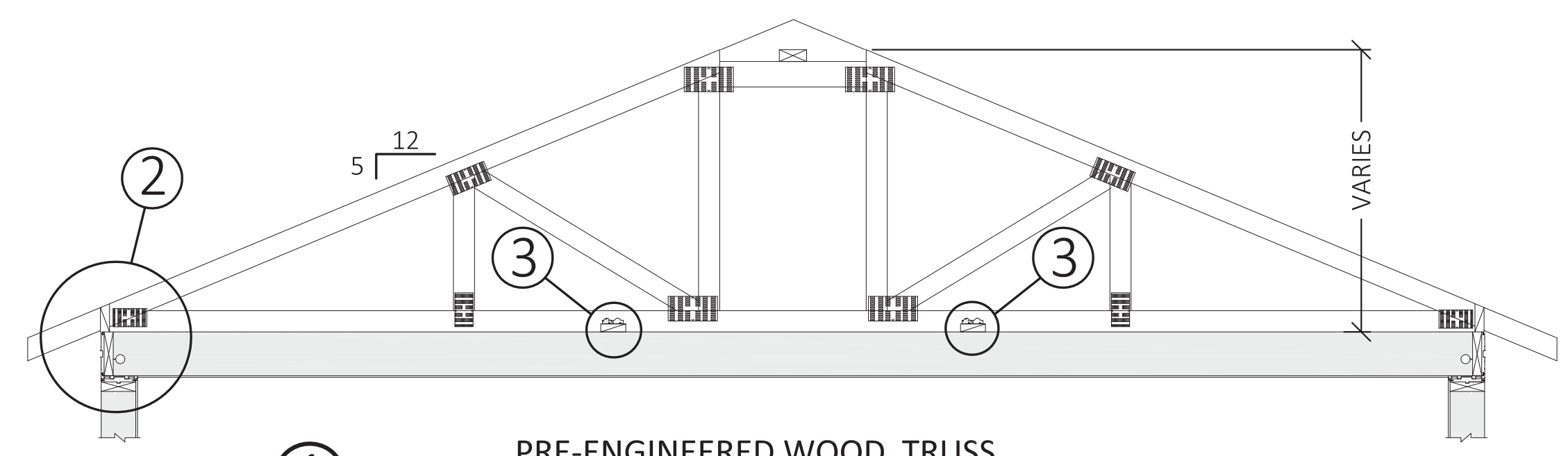
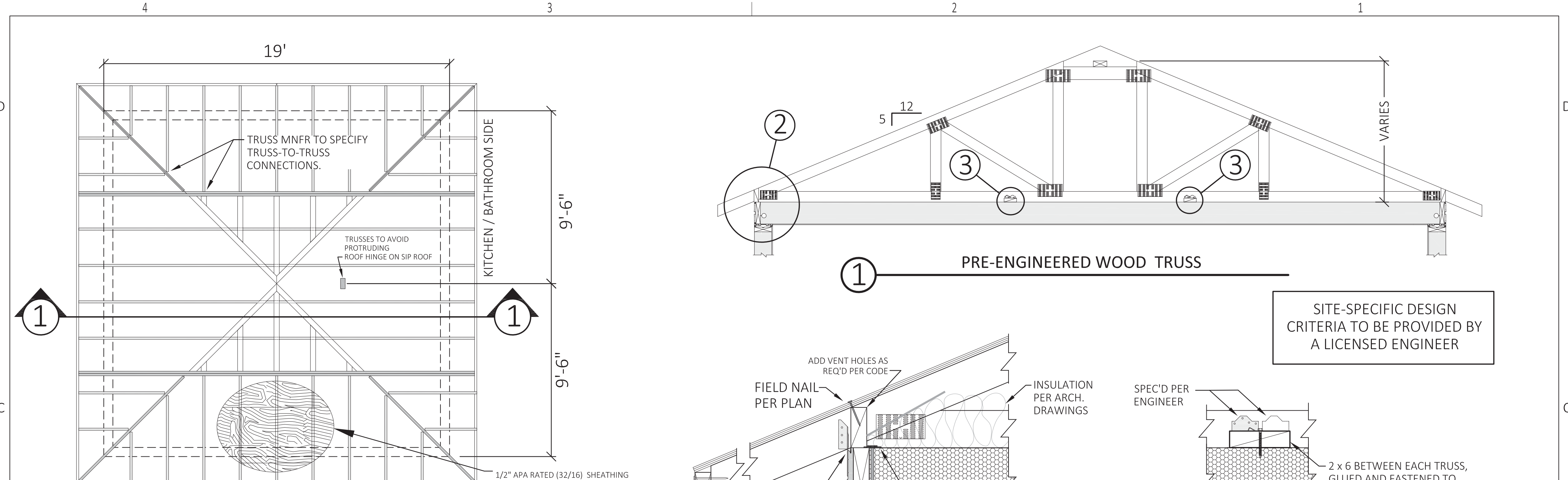
5 TRUSS BOT. CHORD BRACING AGAINST UPLIFT BUCKLING

| DATE: | REV: | DESCRIPTION: |
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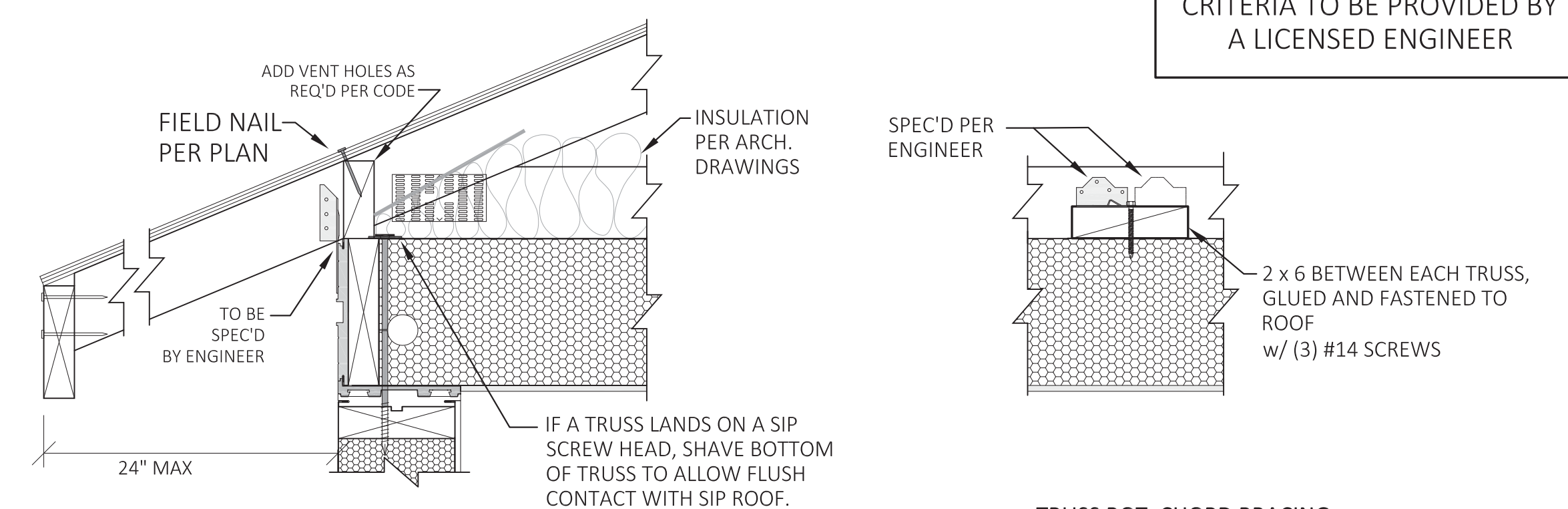
HIGH SLOPE GABLE ROOF OPTION

| | | |
|-------------------------|----------------------|-----------------------------------|
| UNITS: FT-IN | MODEL: 2 DOOR CASITA | BOXABL INC. |
| SHEET FORMAT: ARCH C | MODEL #: BXB-000009 | 5345 EAST NORTH BELT ROAD |
| SHEET SCALE: NONE | | NORTH LAS VEGAS, NV 89115, USA |
| CREATED BY: | | +1(702) 500-9000 HELLO@BOXABL.COM |
| RELEASE DATE: 5/28/2024 | | |
| SHEET: S7 | | |





SITE-SPECIFIC DESIGN CRITERIA TO BE PROVIDED BY A LICENSED ENGINEER

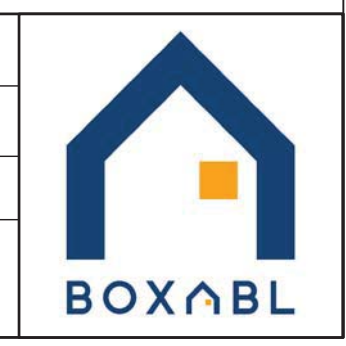


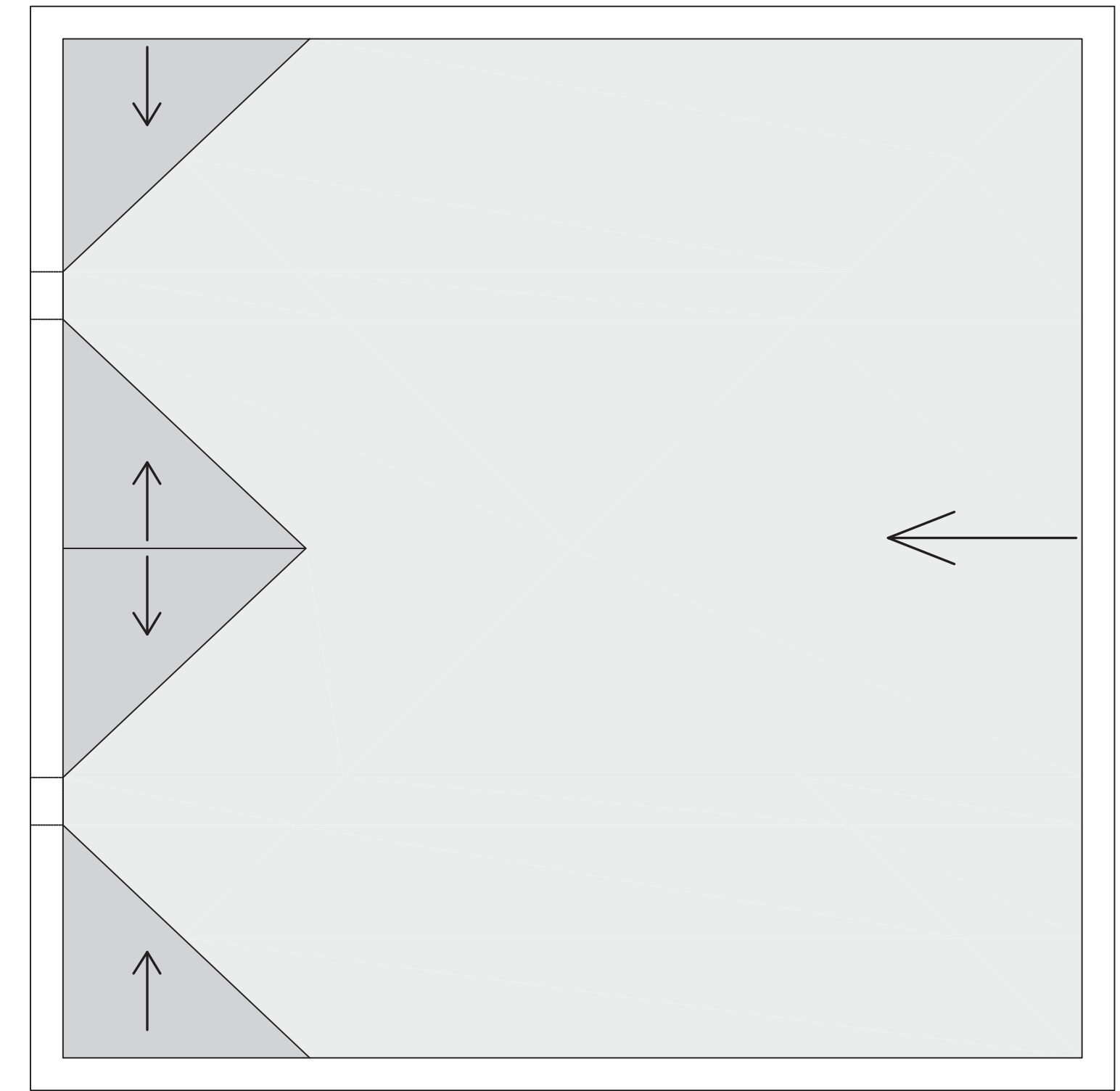
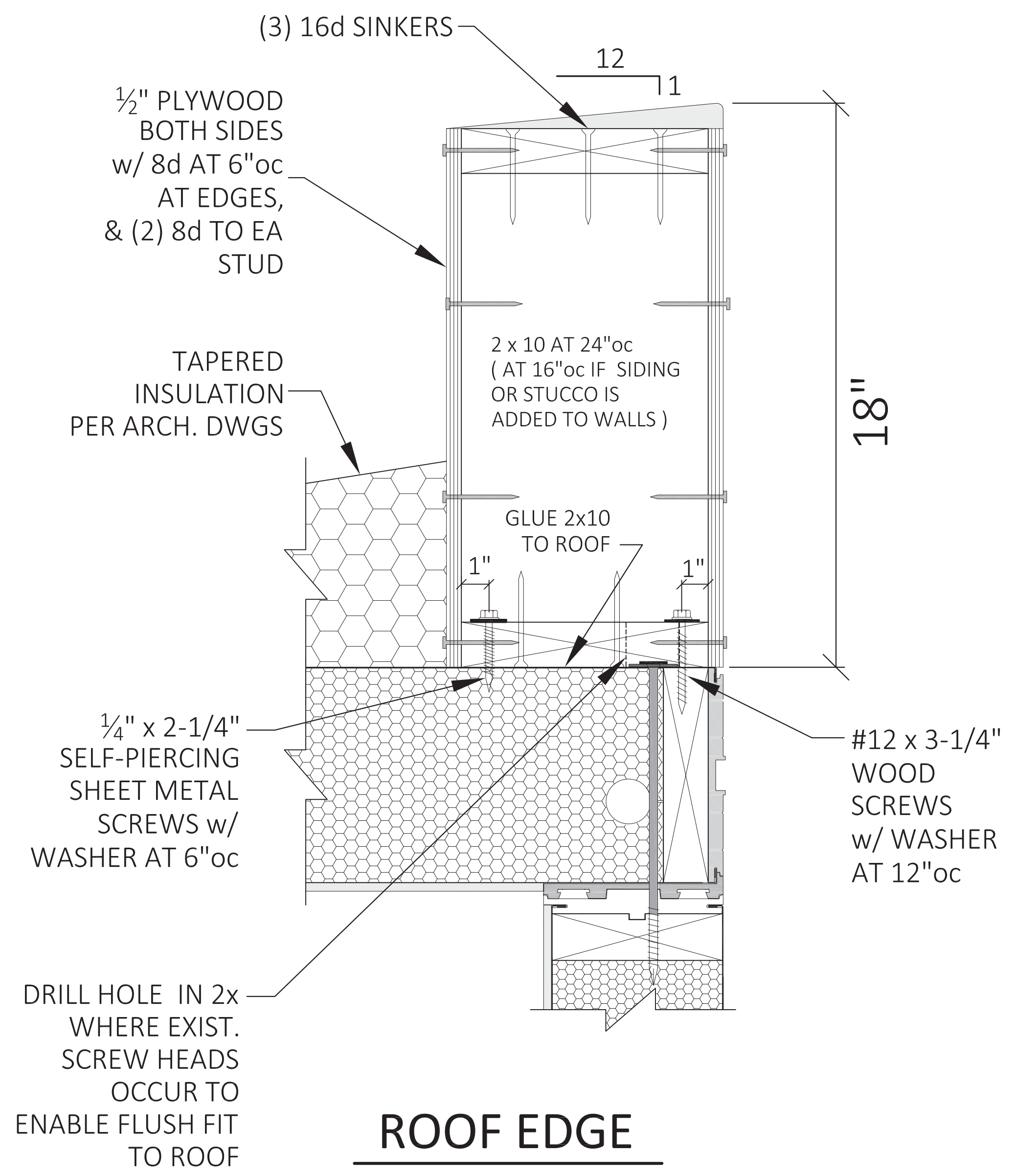
2 TRUSS-TO-SIP ROOF AT EAVE

3 TRUSS BOT. CHORD BRACING AGAINST UPLIFT BUCKLING

- NOTES:**
- 1) ASSUME VERTICAL TRUSS SUPPORT ONLY AT THE WALLS.
 - 2) ASSUME BOTTOM CHORD OF EACH TRUSS WILL BE RESTRAINED AGAINST LATERAL MOVEMENT IN BOTH HORIZONTAL DIRECTIONS BY THE A34 CLIPS INDICATED ON THE TRUSS PROFILES. DESIGN EACH TRUSS TO TRANSMIT LATERAL WIND FROM THE TOP CHORD TO THE BOTTOM CHORD.
 - 3) TRUSS MNFR TO SPECIFY CONNECTION HARDWARE FOR MEMBERS FRAMING INTO 2-PLY GIRDER TRUSSES.
 - 4) INSTALL SIMPSON STRONG-TIE HARDWARE PER SIMPSON SPECIFICATIONS, U.N.O.
 - 5) TO ACCOMMODATE POSSIBLE DEVIATIONS IN ACTUAL TRUSS GEOMETRY & CONSTRUCTION SHOWN ON THESE DRAWING, THE CONNECTION INFO SHOWN SHOULD TO BE DESIGNED BY A STRUCTURAL ENGINEER LICENSED IN THE STATE OF INSTALLATION AND COORDINATED WITH THE TRUSS MNFR'S SHOP DRAWINGS.
 - 6) FOR ROOF PITCHES GREATER THAN 5:12 CONTACT BOXABL FOR SPECIAL DESIGN.
 - 7) STABILITY DURING ERECTION TO BE DESIGNED & SUPPLIED BY OTHERS.
 - 8) CLAY OR CONCRETE TILE ROOFING NOT ALLOWED IN SEISMIC CATEGORIES D, E, OR F
 - 9) IF THE ULTIMATE DESIGN WIND SPEED IS OVER 130 mph, Exp. B OR 110 mph, Exp. C, THEN REDUCE SHEATHING EDGE AND FIELD NAIL SPACING TO 4"oc
 - 10) SEE GENERAL NOTES SHEET FOR MORE INFORMATION.

| DATE: | REV: | DESCRIPTION: | <h1 style="text-align: center;">HIGH SLOPE HIP ROOF OPTION</h1> | | UNITS: | FT-IN | MODEL: | 2 DOOR CASITA | BOXABL INC. | |
|-------|------|--------------|---|-----------|---------------|-----------|---|---------------|-------------|--|
| | | | | | SHEET FORMAT: | ARCH C | 5345 EAST NORTH BELT ROAD NORTH LAS VEGAS, NV 89115, USA | | | |
| | | | | | SHEET SCALE: | NONE | +1(702) 500-9000 HELLO@BOXABL.COM | | | |
| | | | | | CREATED BY: | | MODEL #: BXB-000009 | | | |
| | | | | | RELEASE DATE: | 5/28/2024 | | | | |
| | | | SHEET: | S8 | | | | | | |





SEE ARCHITECTURAL DRAWINGS FOR MORE INFO ON: ROOF SLOPE, TAPERED THICKNESS AND DENSITY, AND COVERING MATERIALS OVER PARAPET SHEATHING AND TAPERED INSULATION.

| DATE: | REV: | DESCRIPTION: |
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**LOW SLOPE
PARAPET ROOF OPTION**

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|---------------|-----------|
| UNITS: | FT-IN |
| SHEET FORMAT: | ARCH C |
| SHEET SCALE: | NONE |
| CREATED BY: | |
| RELEASE DATE: | 5/28/2024 |
| SHEET: | S9 |

MODEL: 1 DOOR CASITA

MODEL #: BXB-000002

BOXABL INC.

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