How is the unit set? Crane? Forklift?
Stem Wall design? Who's contracted to supply design?

BOXABL

STUDIO CASITA
TWO DOOR
MODEL
BXB-000009

BUILDING DATA

OCCUPANCY CLASSIFICATION:	IRC ACCESSORY STRUCTURE OR DWELLING UNIT
TOTAL BUILDING AREA:	361 SQFT
BUILDING HEIGHT:	10'-9"
CONSTRUCTION TYPE:	TYPE VB (STRUCTURAL INSULATING PANELS)
CLIMATE ZONE:	

TESTS PASSED:

- NFPA 286 CORNER BURN TEST
- ASTM E84 NON-COMBUSTIBLE MATERIAL CONSTRUCTION
- ICC EVALUATION REPORT ESR 4725

BUILDING INFORMATION

ADDRESS:

ADDRESS:	1234 STREET
CITY:	CITY
COUNTY:	COUNTY
STATE:	STATE

BUILDING CODES:

- RESIDENTIAL BUILDING CODE:
- RESIDENTIAL MECHANICAL CODE:
- NATIONAL ELECTRIC CODE:
- RESIDENTIAL PLUMBING CODE:
- ENERGY CONSERVATION CODE:

What codes does SMH abide by?

FIELD SCOPE OF WORK

- 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

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.

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.

MANUFACTURERS COMPLIANCE CERTIFICATE CAN BE FOUND INSIDE THE ELECTRICAL SUB PANEL DOOR.
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.

FOUNDATION SYSTEM IS PERMITTED & INSTALLED SEPARATELY BY THE UNIT OWNER.

THIS SET IS INTENDED TO BE USED IN CONJUNCTION WITH THE MANUFACTURERS PANEL DRAWINGS AND STRUCTURAL DRAWINGS.

FACTORY SCOPE OF WORK

- 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:
  - 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:

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: G1.0

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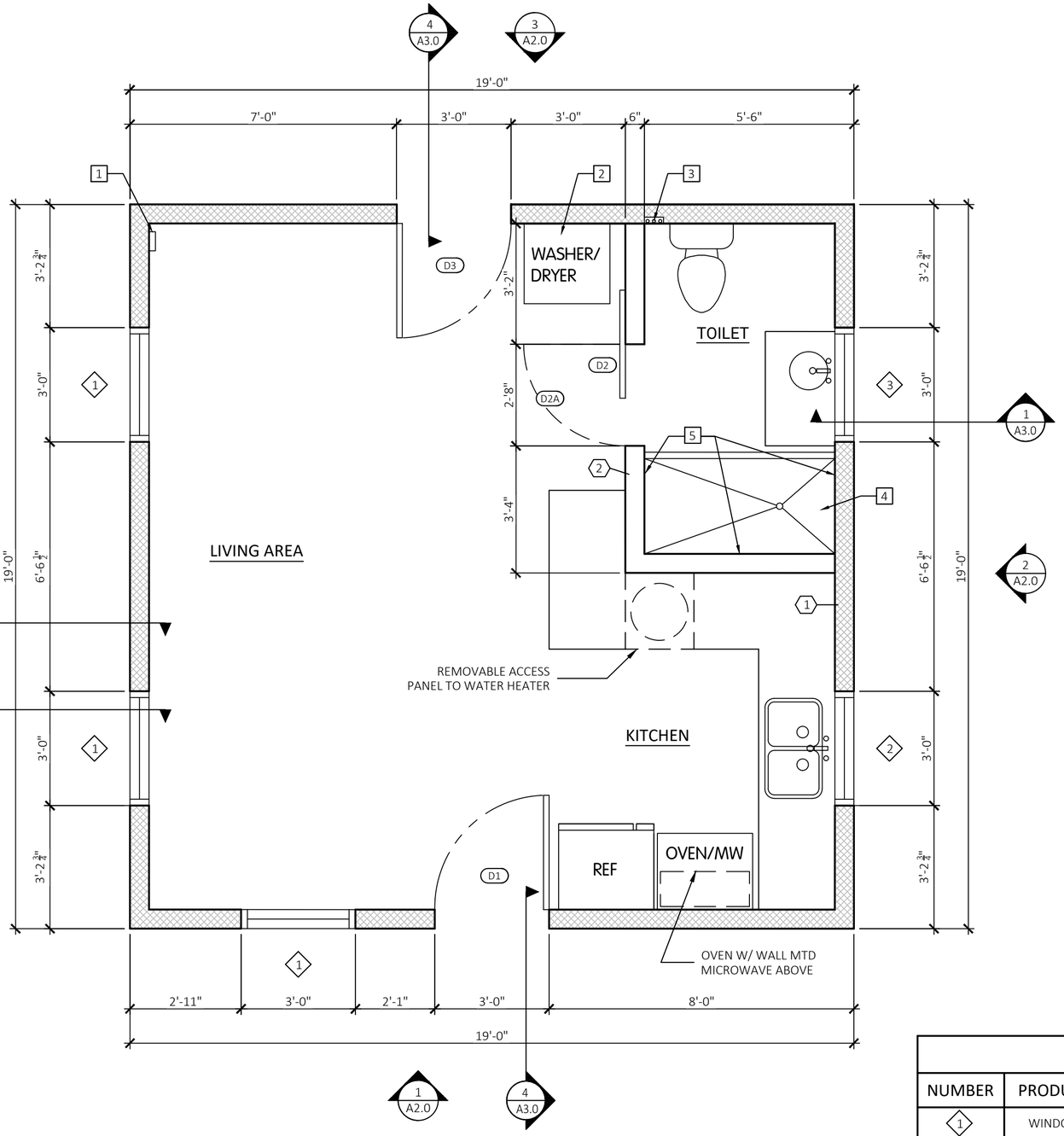

1 A1.0 FLOOR PLAN

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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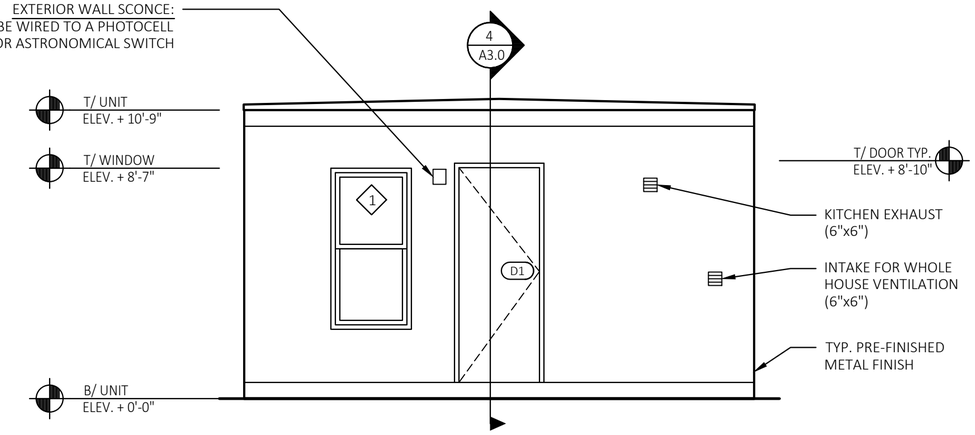
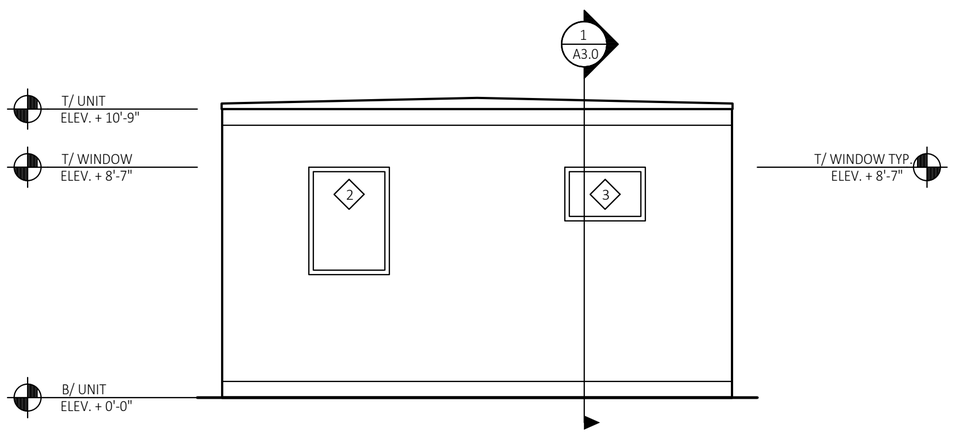
EXTERIOR FINISHES:
24 GAUGE METAL PANEL INSTALLED BY MANUFACTURER

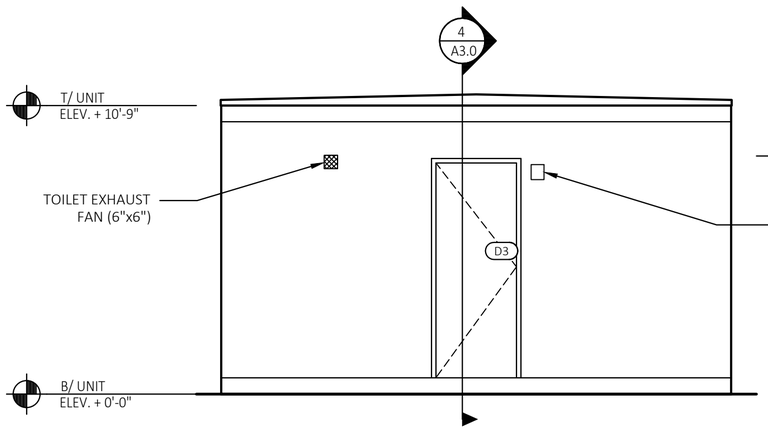
FOAM WEDGE ROOF:
2-1/2" TH @ ROOF EDGES; 5" TH @ CENTER
(1/4 : 12 SLOPE)



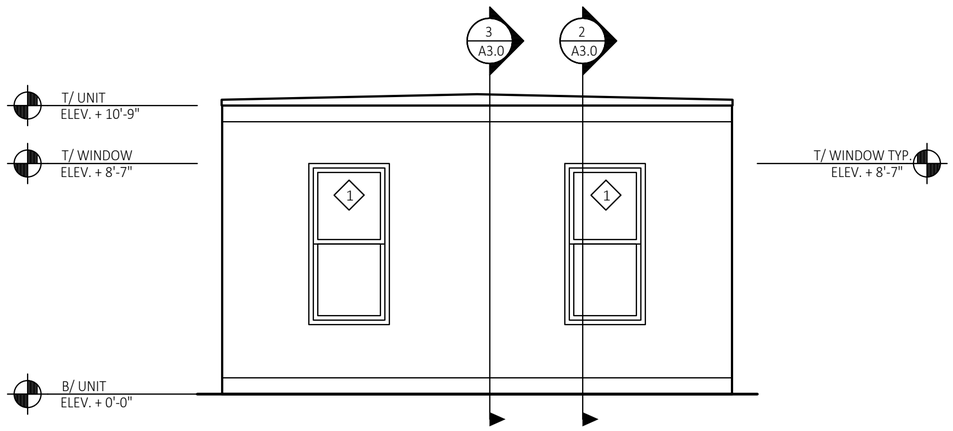
1 A2.0 FRONT ELEVATION — *OPENING PERCENTAGE = 20.56%*
SCALE: 1/4" = 1'-0"



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



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



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

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

Whos providing and installing?

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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TYPICAL ROOF COVERING (PITCHED ROOF):

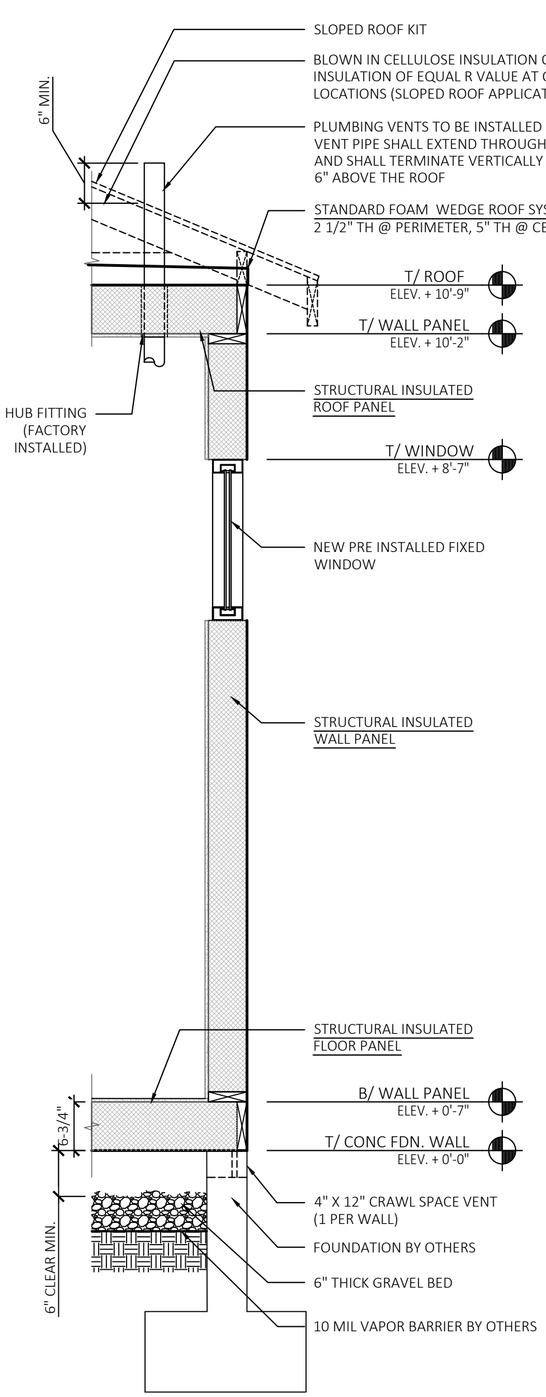
SLOPED ROOF TRUSS KIT & ROOF COVERING (ASPHALT SHINGLES, CLAY TILES, ETC.) TO BE PURCHASED SEPERATELY BY THE UNIT OWNER. ROOFS TO BE INSTALLED + INSPECTED ON SITE.

TYPICAL ROOF COVERING (FLAT ROOF):

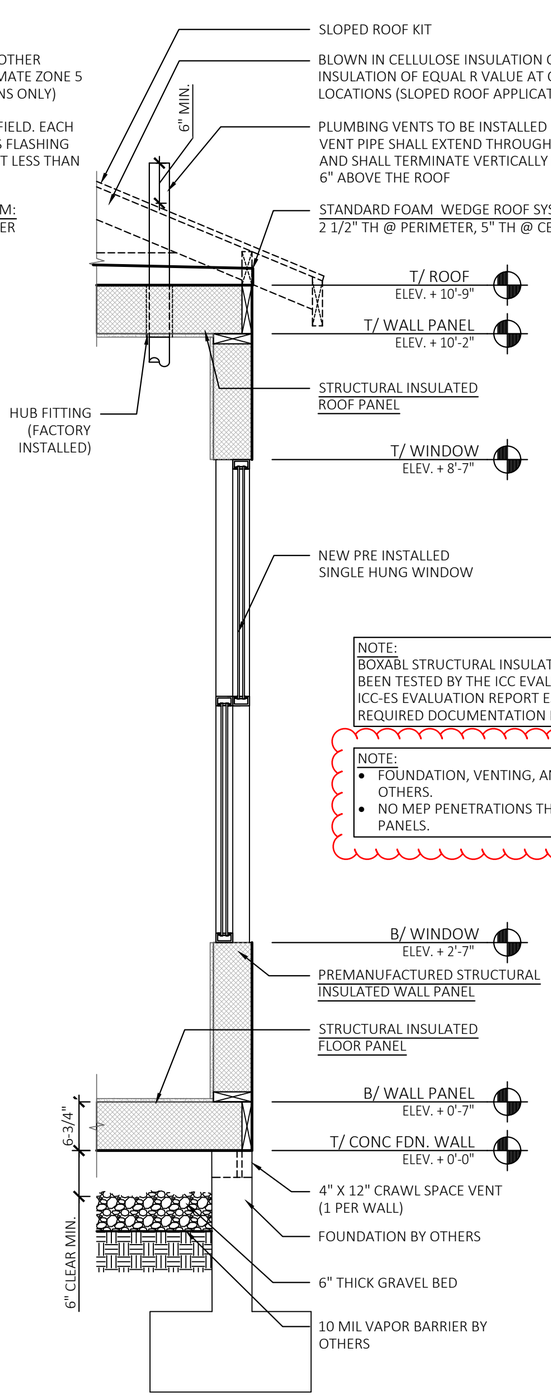
GAF TPO FULLY ADHERED SINGLE PLY MEMBRANE OR APPROVED ADHERE EPDM ROOFING MEMBRANE WITH ALL REQUIRED FLASHINGS, AND ACCESSORIES AS NECESSARY FOR A COMPLETE AND WATERTIGHT INSTALLATION. BASE INSULATION: 2-1/2" TH @ ROOF EDGES, 5" TH @ CENTER (1/4: 12 SLOPE) (FOAM WEDGE ROOF). ROOFS TO BE INSTALLED + INSPECTED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



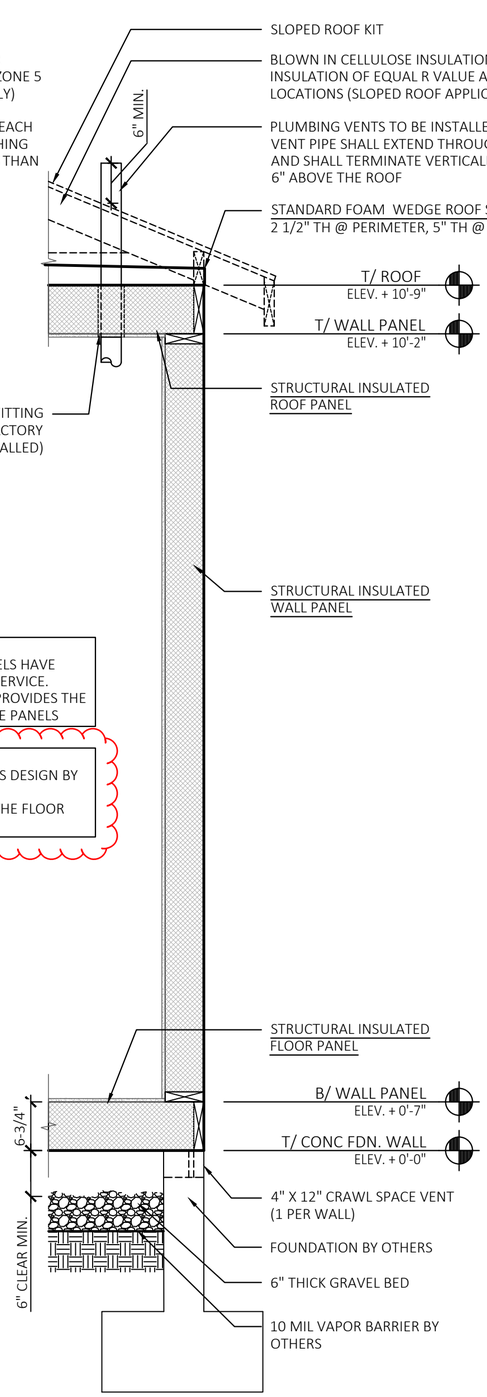
1 A3.0 WALL SECTION
SCALE: 3/4" = 1'-0"



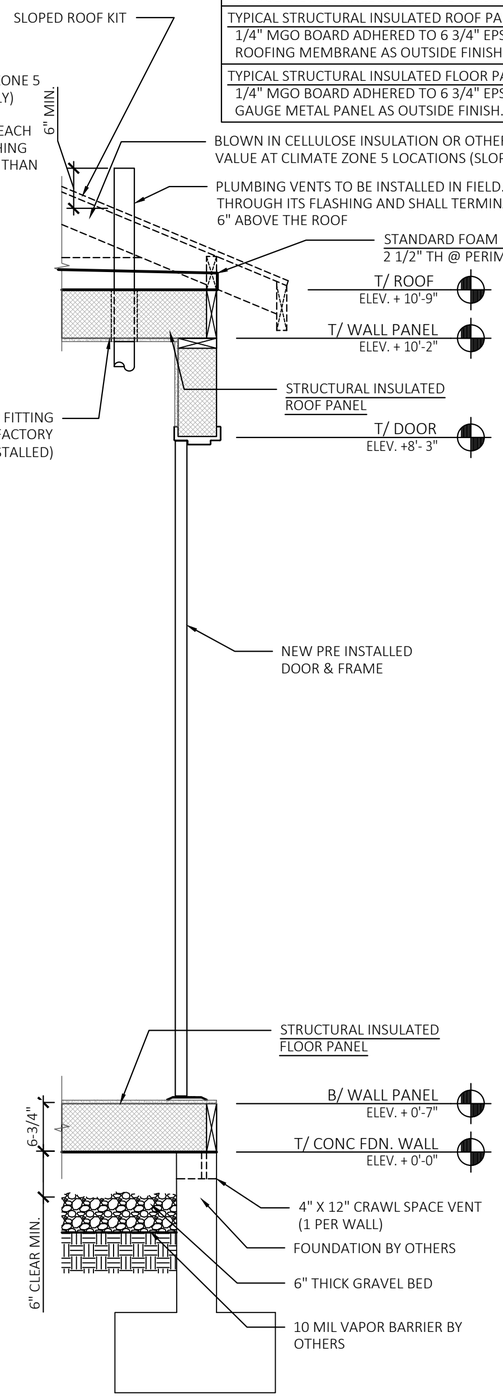
2 A3.0 WALL SECTION
SCALE: 3/4" = 1'-0"

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.



3 A3.0 WALL SECTION
SCALE: 3/4" = 1'-0"



4 A3.0 WALL SECTION
SCALE: 3/4" = 1'-0"

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SHEET: A3.0

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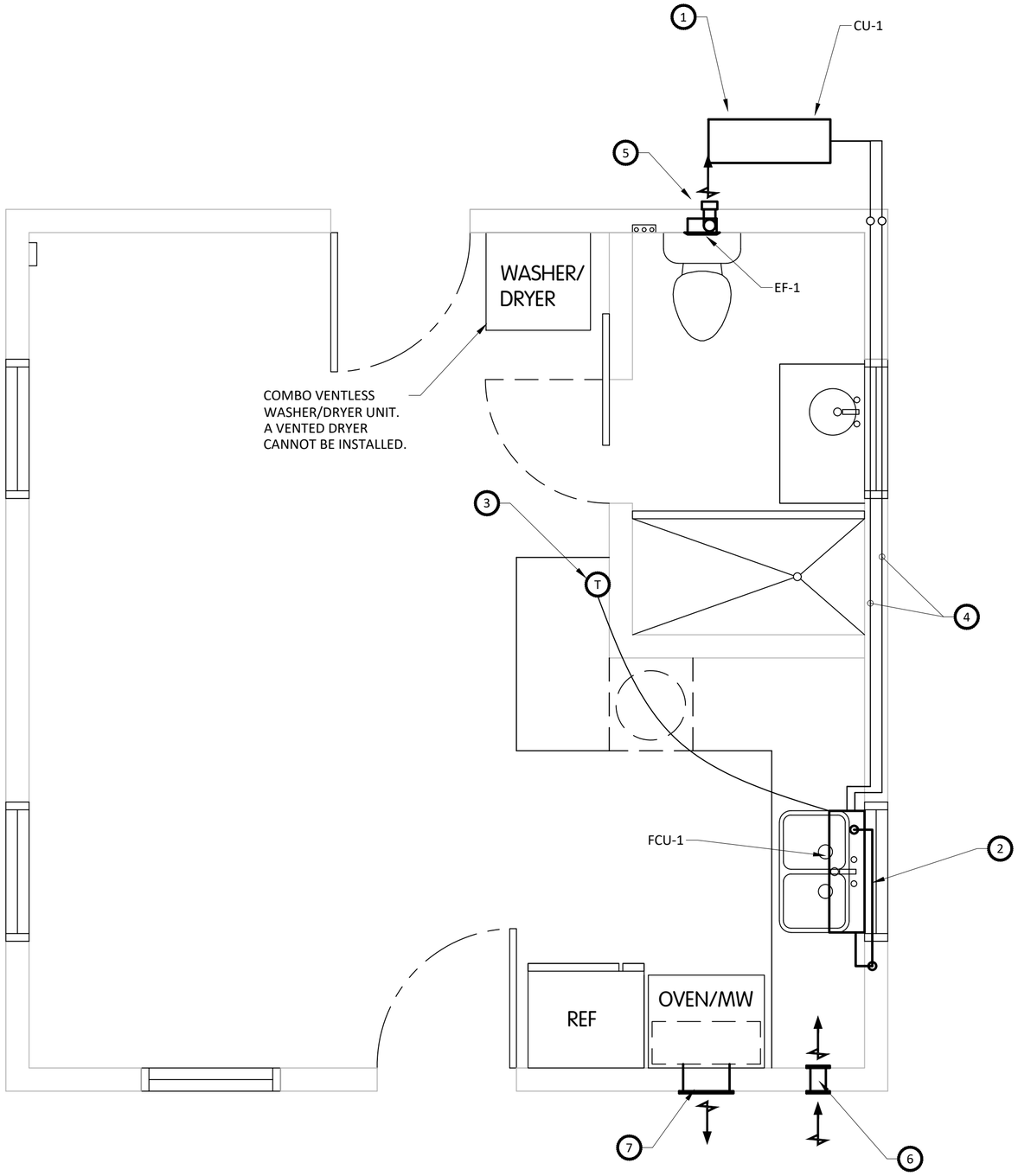

1 MECHANICAL PLAN

1/2" = 1'-0"

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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MODEL: 2 DOOR CASITA
BXB-000009

SHEET: M2.0

BOXABL

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	ROTORY 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 MANUFACTURER BY MITSUBISHI, LG OR AN APPROVED EQUIVALENT UNIT.

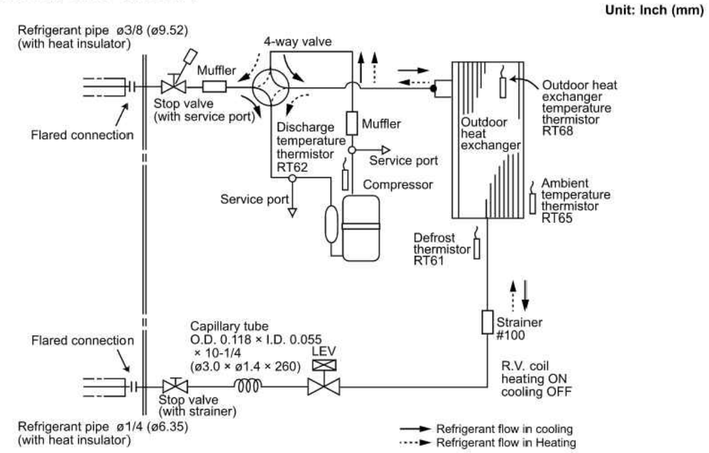
EXHAUST FAN SCHEDULE

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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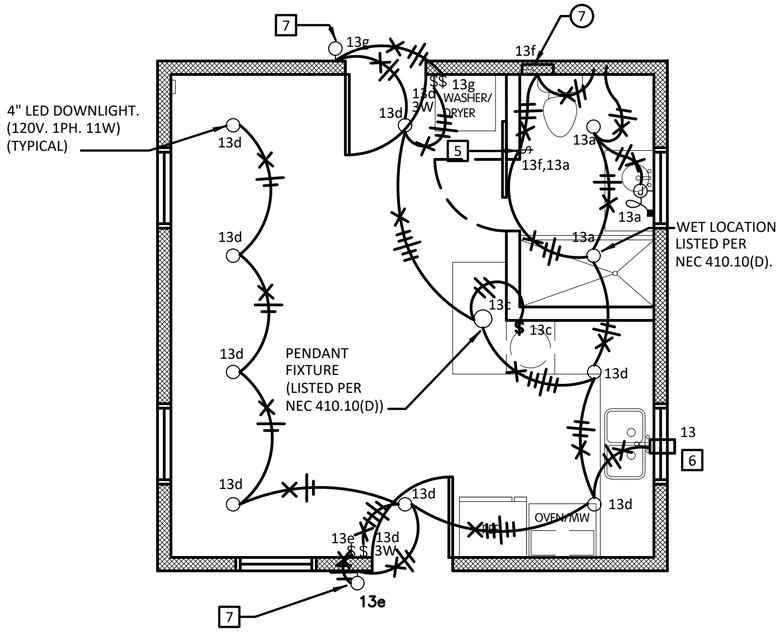
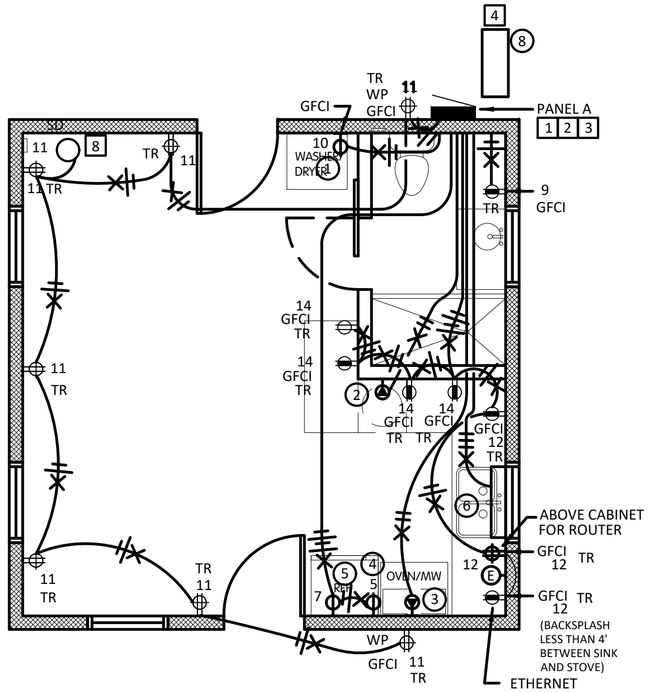


LIGHTING PLAN

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

0' 4' 8' 12' 16'



POWER PLAN

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

0' 4' 8' 12' 16'

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 # RT2BKCCV4 OR EQUAL)
6. WHOLE HOUSE VENTILATION SYSTEM FAN 120V., 1PH., 7W. WIRE AHEAD OF ALL LOCAL SWITCHING.
7. OUTDOOR WALL LAMP WITH INTEGRAL PHOTOCELL OR WITH ASTRONOMICAL TIMECLOCK (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: CIRCUIT NUMBER	CONDUCTORS: QTY.	SIZE	EQ. GND.		HEIGHT
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: _A_

LOCATION OUTDOOR
SERVICE 120/240V.,1PH.,3W.
MAIN BREAKER 100A-2P MINIMUM
MAIN LUGS ONLY
NEUTRAL BUS 100A MINIMUM
GROUND BUS YES
SHORT CIRCUIT RATING 10,000

CONNECTED LOAD		DEMAND LOAD	
PHASE A	12.94 KVA	10.62	KVA
PHASE B	12.45 KVA	10.20	KVA
TOTAL	25.39 KVA	20.82	KVA
RMS SYM AMPS	106 AMPS	87	AMPS

DEMAND LOAD — FLUSH ☐ SURFACE ■

KEY: L: LIGHTING	0.19	KVA
R: RECEPTACLES	5.63	KVA
M: MOTORS	6.90	KVA
P: PANELS	0.00	KVA
T: TRANSFORMERS	0.00	KVA
E: EQUIPMENT	8.10	KVA
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 A	CONNECTED LOAD B	CCT. NO.	CIRCUIT BREAKER	CIRCUIT BREAKER	CCT. NO.	CONNECTED LOAD A	CONNECTED LOAD B	CIRCUIT USE
R: INTEGRAL WHOLE BUILDING	0		1	20A-2P	50A-2P	2	4,800		E: RANGE
R: SURGE PROTECTION DEVICE		0	3	SPD		4		4,800	E:
R: REFRIGERATOR	1,440		5	20A-1P AFCI	30A-2P	6	2,250		M: WATER HEATER
R: MICROWAVE		1,440	7	20A-1P AFCI		8		2,250	M:
R: BATHROOM RECEPTACLE	360		9	20A-1P AFCI	20A-1P AFCI	10	1,200		E: WASHER/DRYER
R: LIVING ROOM/EXTERIOR RECEPTS.		1,260	11	20A-1P AFCI	20A-1P AFCI	12		1,500	R: ROUTER/KITCHEN SMALL APPL.
L: BATH/KITCHEN/LIVING ROOM LTS	192		13	15A-1P AFCI	20A-1P AFCI	14	1,500		R: DINING/KITCHEN SMALL APPL.
M: CU-1/FCU-1		1,200	15	30A-2P	BLANKSPACE	16		0	X: BLANKSPACE
M:	1,200		17		BLANKSPACE	18	0		X: BLANKSPACE
X: BLANKSPACE		0	19	BLANKSPACE	BLANKSPACE	20		0	X: BLANKSPACE
SUB TOTAL	3,192	3,900					9,750	8,550	SUB TOTAL

DATE:	REV:	DESCRIPTION:

BOXABL INC.

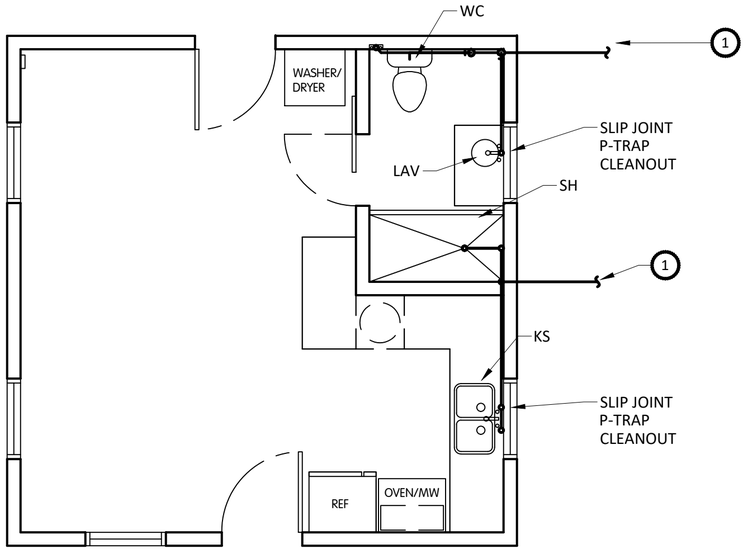
5345 EAST NORTH BELT ROAD
NORTH LAS VEGAS, NV 89115, USA

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

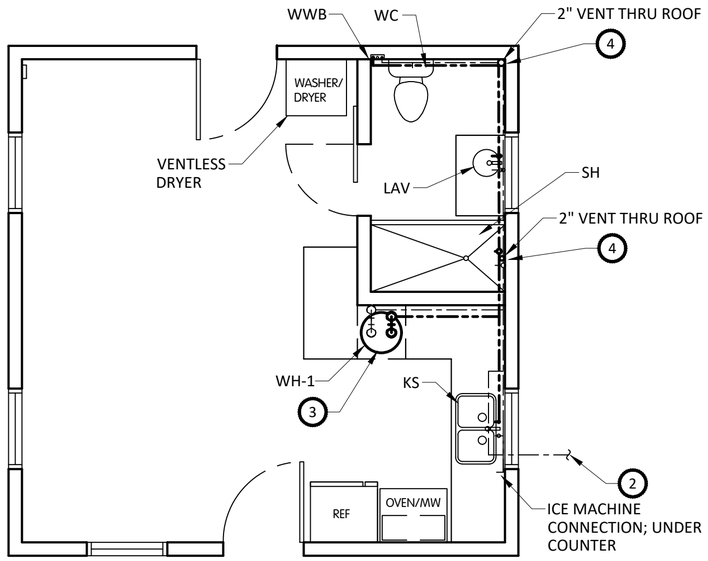
MODEL: 2 DOOR CASITA
BXB-000009

SHEET: E2.0

BOXABL



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

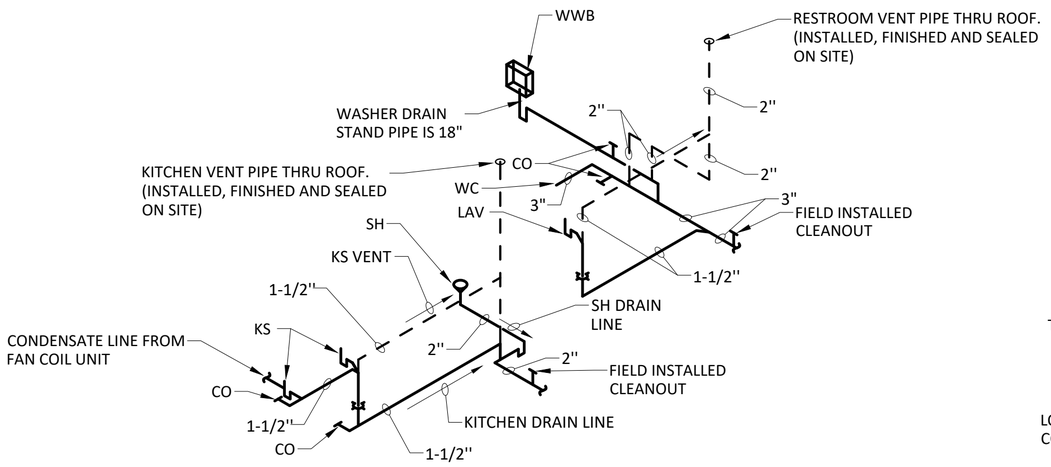


2 PLUMBING DOMESTIC WATER PLAN
1/4" = 1'-0"

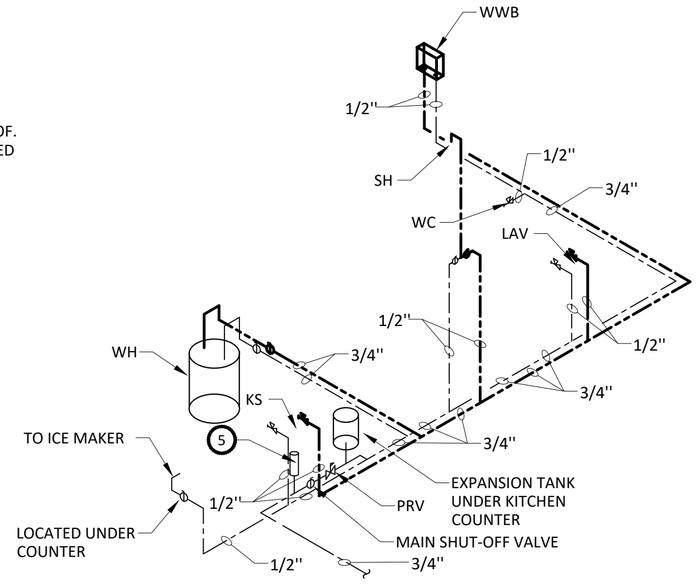
PLAN NOTES

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.

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

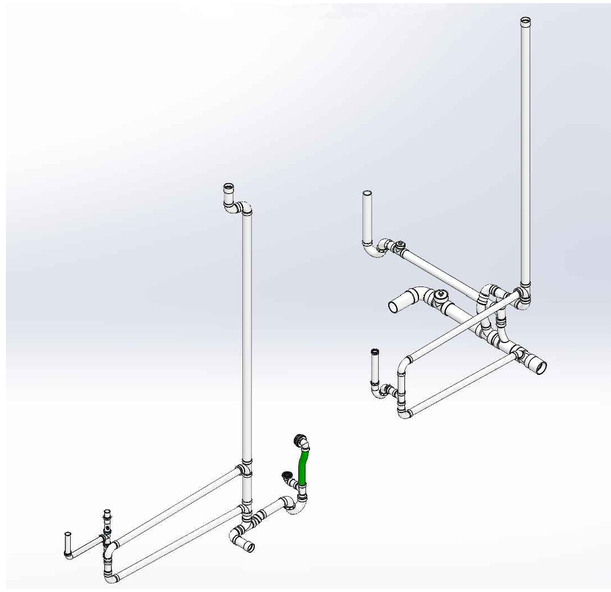


3 PLUMBING SANITARY ISOMETRIC
NOT TO SCALE



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

4 PLUMBING DOMESTIC WATER ISOMETRIC
NOT TO SCALE



PIPING DIAGRAMS
NOT TO SCALE

PLUMBING PLANS

DATE:	REV:	DESCRIPTION:

BOXABL INC.

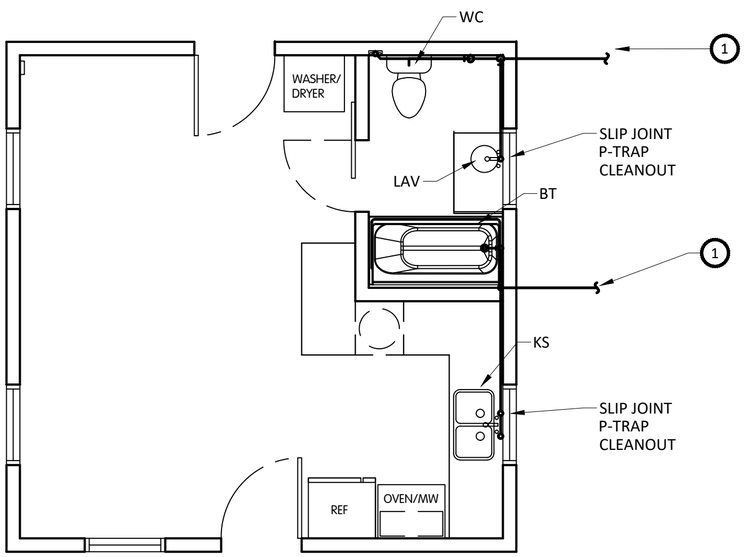
5345 EAST NORTH BELT ROAD
NORTH LAS VEGAS, NV 89115, USA

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

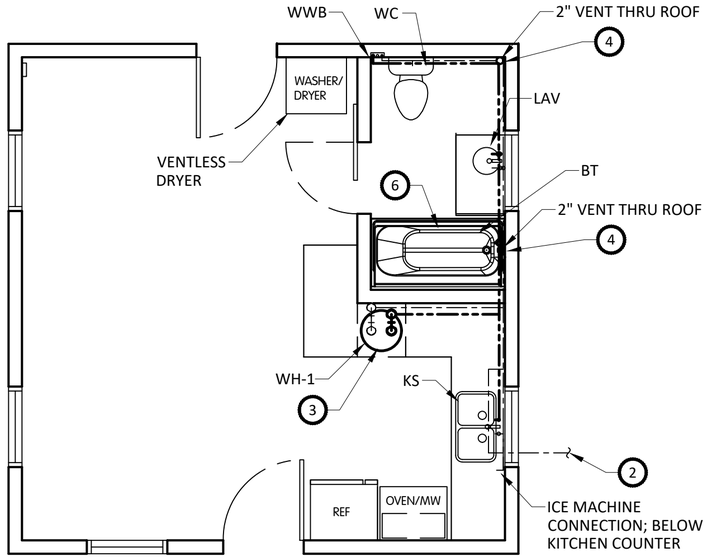
MODEL: 2 DOOR CASITA
BXB-000009

SHEET: P2.0 (SHOWER)

BOXABL



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



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

PLAN NOTES

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3	ACCESS TO THE TANK WATER HEATER IS THRU A REMOVABLE PANEL IN THE CABINET.
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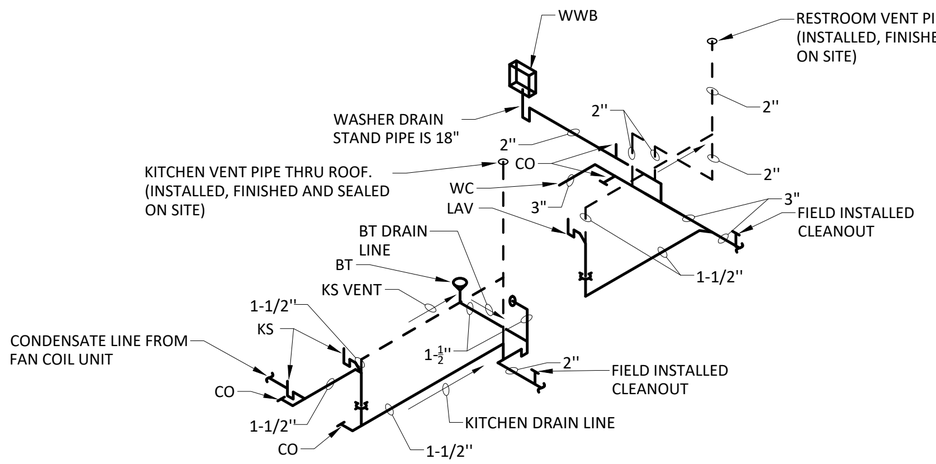
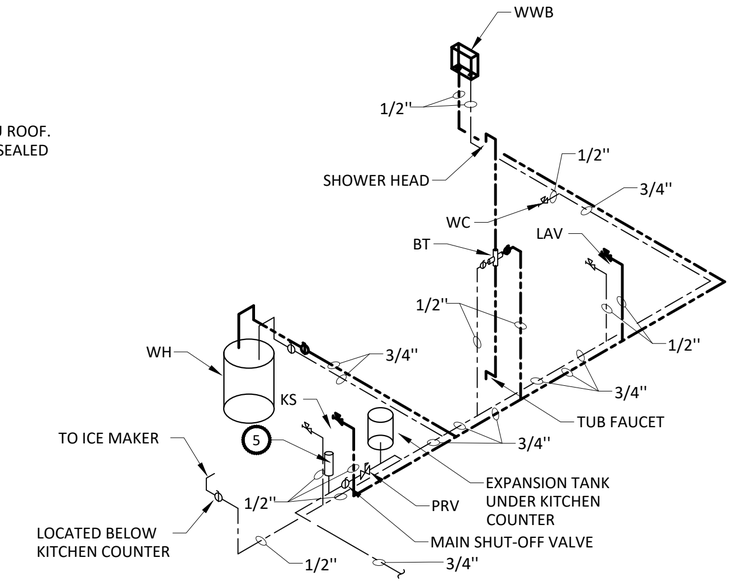
5	WHOLE HOUSE WATER HAMMER ARRESTOR MIFAB MODEL CL-A-NPB. WATER HAMMER ARRESTOR TO BE MAUFACTURED BY MIFAB OR AN APPROVED EQUIVALENT.
6	PROVIDE BATH TUB, COORDINATE EXACT MODEL, COLOR AND SIZE WITH OWNER.

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



3 PLUMBING SANITARY ISOMETRIC
NOT TO SCALE



NOTE:
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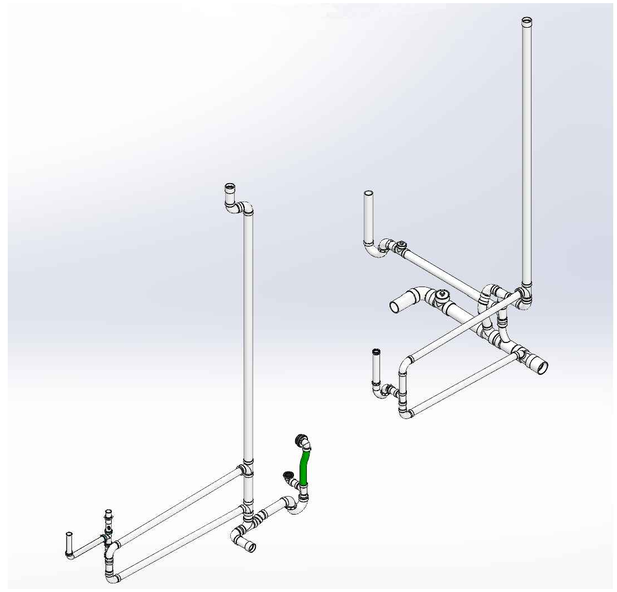
4 PLUMBING DOMESTIC WATER ISOMETRIC
NOT TO SCALE



PIPING DIAGRAMS
NOT TO SCALE

PLUMBING PLANS

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NORTH LAS VEGAS, NV 89115, USA

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

MODEL: 2 DOOR CASITA
BXB-000009

SHEET: P2.1 (BATHTUB)

BOXABL

FIXTURE SCHEDULES

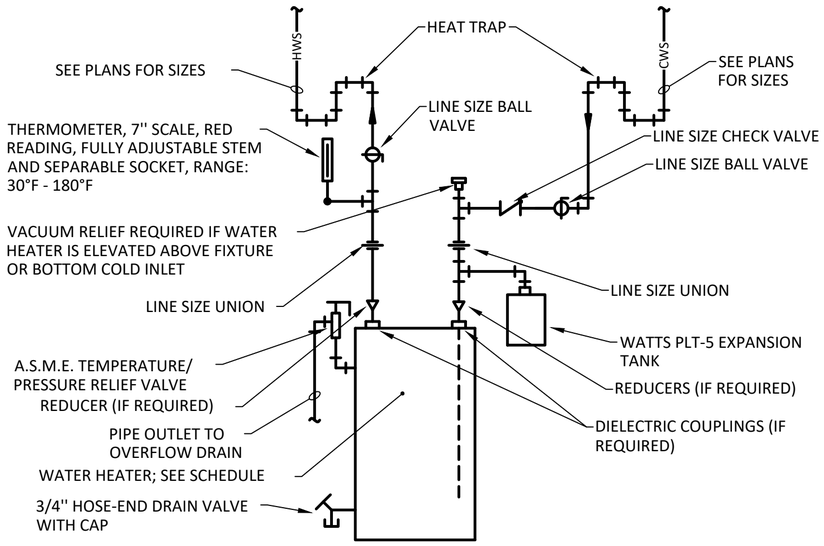
FIXTURE	TYPE	MFG'R.	MODEL NO.	COLOR	FAUCET	TRAP	TRIM	SUPPLY FITTING	REMARKS
WC	WATER CLOSET	SANIFLO	083 & 005	WHITE	N/A	INTERGRAL P-TRAP	N/A	3/8"	1.28 GALLONS/FLUSH
LAV	LAVATORY	BEELEE	BL6790BH	MATTE BLACK	1.2 GPM	N/A	MATTE BLACK	3/8"	
KS	KITCHEN FAUCET	MOEN	5925BL	MATTE BLACK	1.5 GPM	N/A	MATTE BLACK	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 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.



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) Cold	Hot	Total	Total Load Values in water supply fixture units (wsfu) 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	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
	Kithcen 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

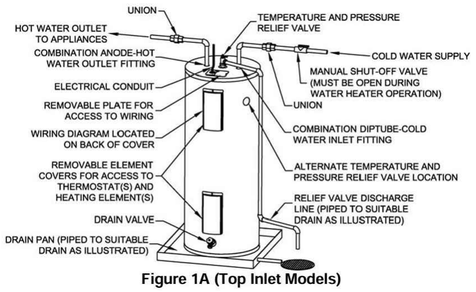


Figure 1A (Top Inlet Models)

General Features	
Rated Nominal Volume (Gallons):	28
DOE Rated Storage Volume (Gallons):	23
Fuel Type:	Electric
Energy Star:	No
Connectivity:	Not WiFi Compatible

Performance	
Element Watts:	4500
First Hour Delivery Rating (Gal.):	45
Uniform Energy Factor (UEF):	0.95
Recovery at 90°F Rise (GPH):	21

Weights and Dimensions	
Overall Height (in.):	31.813
Height (Floor To Top of Heater - in.):	29.563
Jacket Diameter (in.):	20
Weight (lbs.):	108

Venting and Connection Requirements	
Venting:	Non-Vented
Water Connection Size (in.):	3/4" NPT

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)

BOXABL

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	

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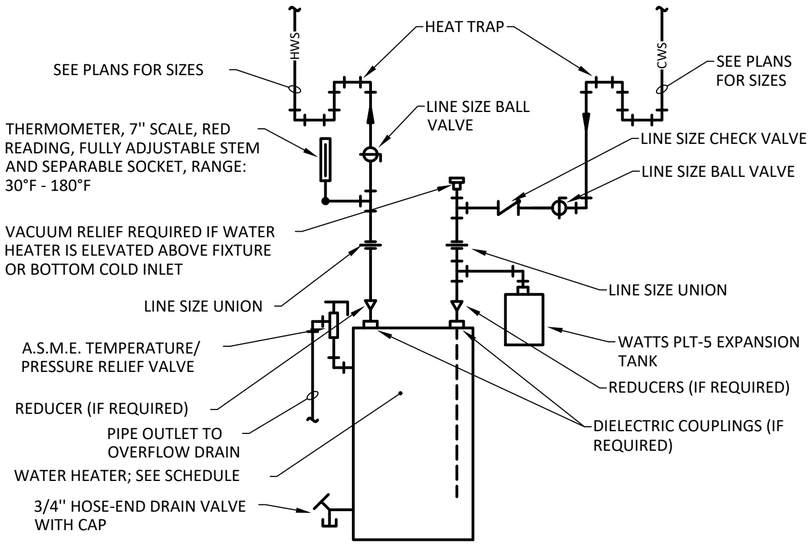


DOMESTIC WATER HEATER PIPING DETAIL - ELECTRIC

NOT TO SCALE

WATER SUPPLY FIXTURE UNITS

Quantity	Fixture Tag	Fixture	Occupancy	Type of Supply Control	Load Values in water supply fixture units (wsfu) Cold	Hot	Total	Total Load Values in water supply fixture units (wsfu) 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	Kithcen 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

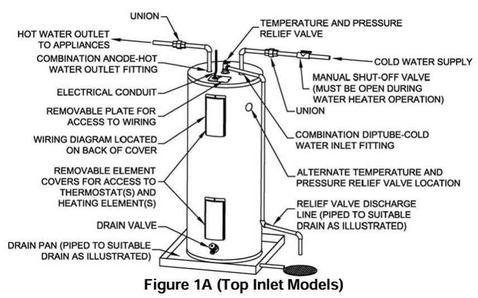


Figure 1A (Top Inlet Models)

General Features

Rated Nominal Volume (Gallons):	28
DOE Rated Storage Volume (Gallons):	23
Fuel Type:	Electric
Energy Star:	No
Connectivity:	Not WiFi Compatible

Weights and Dimensions

Overall Height (in.):	31.813
Height (Floor To Top of Heater - in.):	29.563
Jacket Diameter (in.):	20
Weight (lbs.):	108

Performance

Element Watts:	4500
First Hour Delivery Rating (Gal.):	45
Uniform Energy Factor (UEF):	0.95
Recovery at 90°F Rise (GPH):	21

Venting and Connection Requirements

Venting:	Non-Vented
Water Connection Size (in.):	3/4" NPT

DOMESTIC WATER HEATER TECHNICAL INFORMATION

NOT TO SCALE

PLUMBING DETAILS

DATE:	REV:	DESCRIPTION:

BOXABL INC.

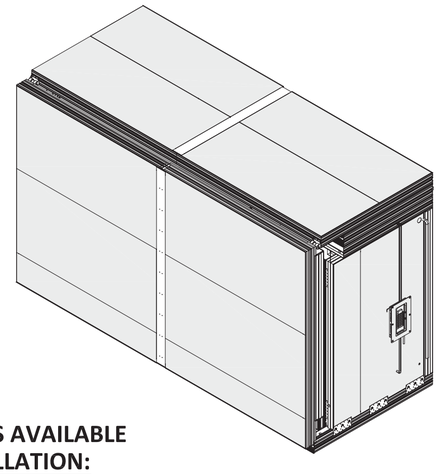
5345 EAST NORTH BELT ROAD
NORTH LAS VEGAS, NV 89115, USA

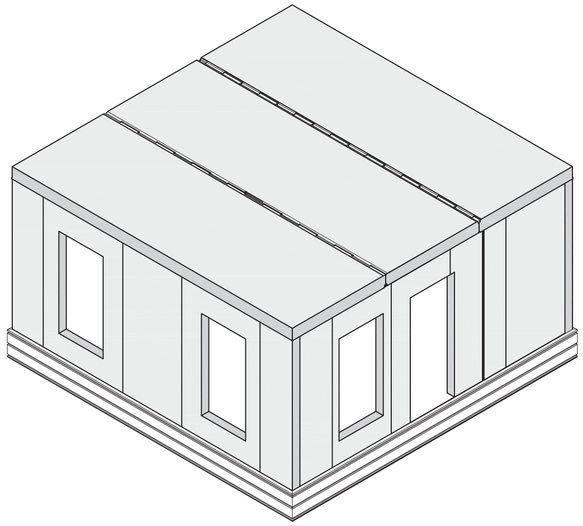
+1(702) 500-9000 HELLO@BOXABL.COM

MODEL: 2 DOOR CASITA
BXB-000009

SHEET: P3.1 (BATHTUB)

BOXABL





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:

1 TRUSSES TO BE FABRICATED BY A CERTIFIED MEMBER OF THE TRUSS PLATE INSTITUTE AND SHALL COMPLY WITH THEIR STANDARDS.

2 CONNECTING PLATES SHALL BE IBC/ICBO APPROVED.

3 ALL TRUSSES MEMBERS SHALL HAVE LUMBER GRADE STAMPS.

4 THE TRUSS DESIGN AND ERECTION DRAWINGS SHALL BE MADE BY A PROFESSIONAL STRUCTURAL ENGINEER LICENSED IN THE STATE IN QUESTION.

5 ERECTION PLANS SHALL SHOW THE TRUSS SPACING, TRUSS MARK (CALCULATION) NUMBERS, CONCENTRATED LOADS, & PERMANENT BRACING/BLOCKING AS REQUIRED BY THE TRUSS DESIGN.

6 SHOP DRAWINGS SHALL INCLUDE DIMENSIONS, CONFIGURATIONS, NOMINAL LUMBER SIZE AND GRADE, SPECIFICATIONS FOR CONNECTOR PLATES, THEIR SIZE AND LOCATIONS.

7. SEE SHEET S6, S7, & S8 FOR MORE INFO.

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.

Geo Tech Report?

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.

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: ¼ : 12.
MAXIMUM TAPERED INSULATION SLOPE 5/16 : 12 UNLESS FLOOR/FOUNDATION CONN. PL'S FOR TRUSS OPTIONS ARE USED PER THE S4 SERIES OF DRAWINNGS.

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.

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 LIABITY FOR THE STRUCTURAL PERFORMANCE OF THE CASITA.

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 SHOUD 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.

LIMITATIONS: WIND [7] - 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)	
				ASPHALT SHINGLES METAL ROOF	CONCRETE TILE [2]
WIND EXPOSURE [1]		B	C	B applies to concrete tile also	C applies to asphalt shingles also
MAX. ALLOWED WIND SPEED [5]		140 mph	120 mph	136 mph	112 mph
MAXIMUM ALLOWED GROUND SNOW LOAD (Pg)	SEISMIC CATEGORY A, B, C	41 psf [3]	41 psf [3]	87 psf [8]	72 psf [8]
	SEISMIC CATEGORY D, E, F	18.5 psf [3]	18.5 psf [3]	0 psf [4] ignore wind exposure	0 psf [4] ignore wind exposure
MAXIMUM ALLOWED SEISMIC S_{MS}	SEISMIC CATEGORY A, B, C	3.12	3.12	5.93 ignore wind exposure 4.29 IF STUCCO USED ignore wind exposure	4.42 ignore wind exposure 3.44 IF STUCCO USED ignore wind exposure
	SEISMIC CATEGORY D,E, F	3.12	3.12	1.8 1.56 IF STUCCO USED ignore wind exposure	0 ignore wind exposure
MAXIMUM ALLOWED SEISMIC S_S	SEISMIC CATEGORY A, B, C	2.60	2.60	4.94 ignore wind exposure 3.58 IF STUCCO USED ignore wind exposure	3.68 ignore wind exposure 2.87 IF STUCCO USED ignore wind exposure
	SEISMIC CATEGORY D,E, F	2.60	2.60	1.5 1.04 IF STUCCO USED ignore wind exposure	0 ignore wind exposure

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 Sms & Ss 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)

DATE:	REV:	DESCRIPTION:

GENERAL NOTES

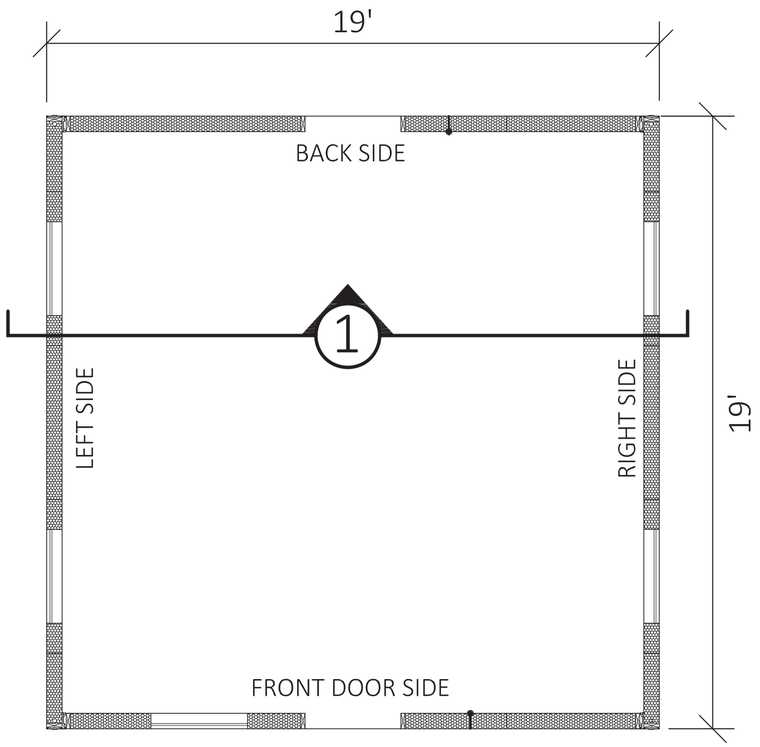
UNITS:	FT-IN
SHEET FORMAT:	ARCH C
SHEET SCALE:	NONE
CREATED BY:	MN
RELEASE DATE:	5/28/2024
SHEET:	S1

MODEL: 2 DOOR CASITA

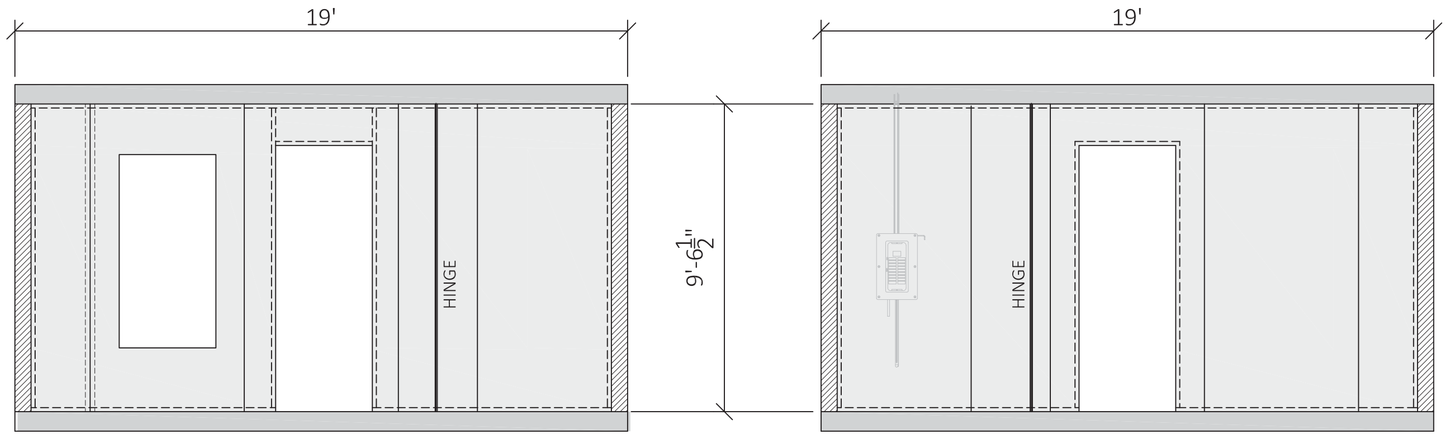
MODEL #: BXB-000009

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

BOXABL



WALL PLAN

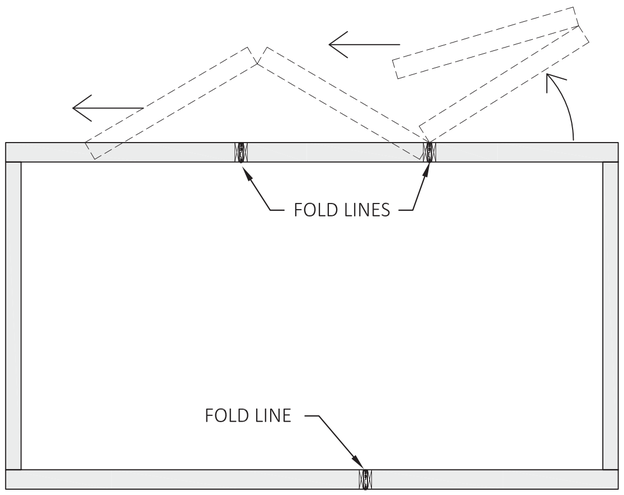


FRONT DOOR SIDE

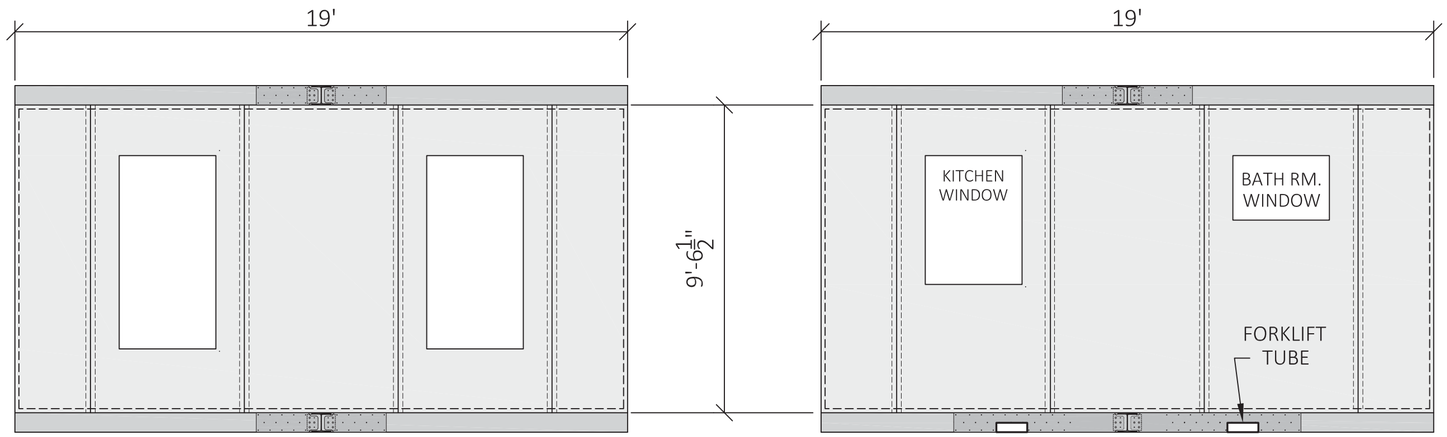
EXTERIOR VIEW

BACK SIDE

EXTERIOR VIEW



1 SECTION



LEFT SIDE

EXTERIOR VIEW

RIGHT SIDE

EXTERIOR VIEW

DATE:	REV:	DESCRIPTION:

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

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

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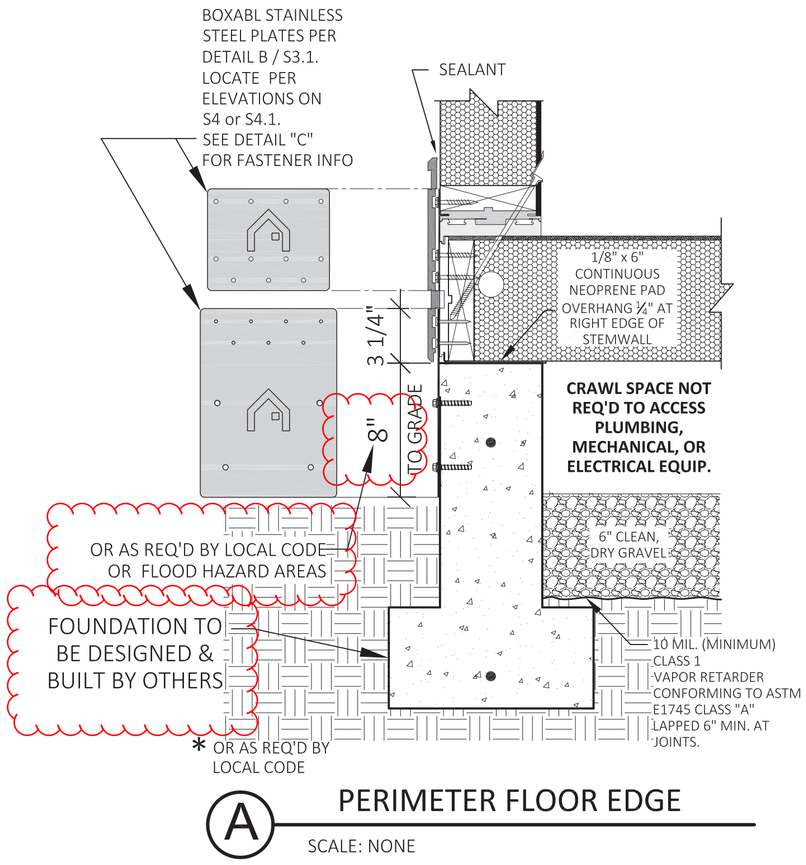
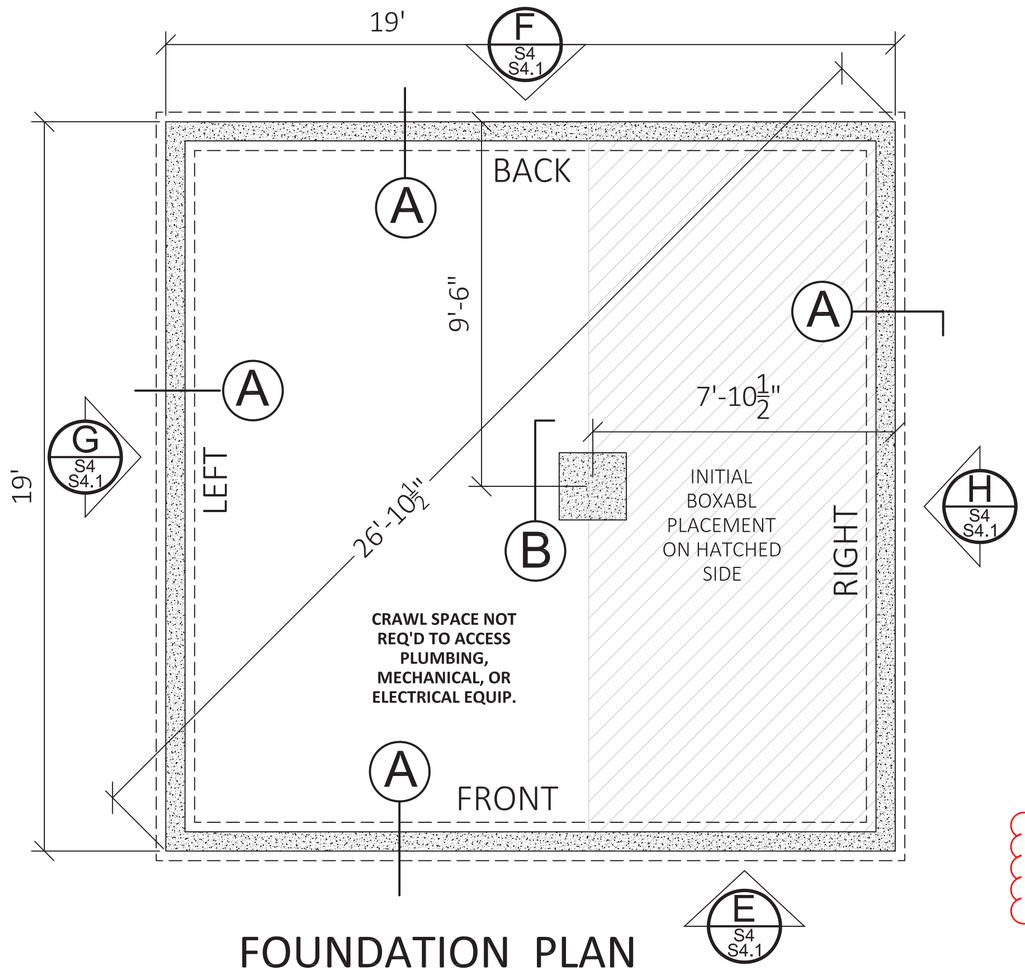


A PERIMETER FLOOR EDGE

SCALE: NONE



FOUNDATION PLAN

STEMWALL FOOTING OPTION

DESIGNED BY OTHERS

SEE S3.3 FOR FOUNDATION CONCEPT FOR EXPANSIVE SOIL CONDITIONS

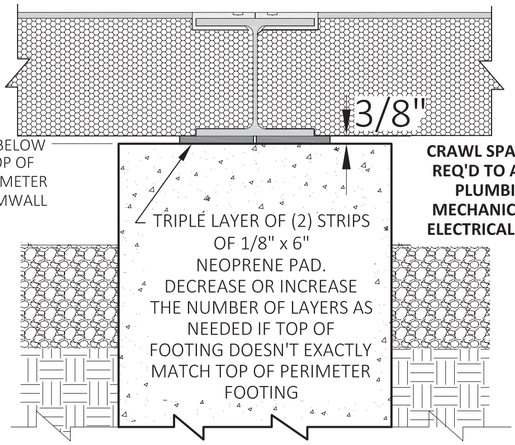
NOTES:

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 ⅛" BETWEEN ANY TWO POINTS AROUND THE PERIMETER.

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

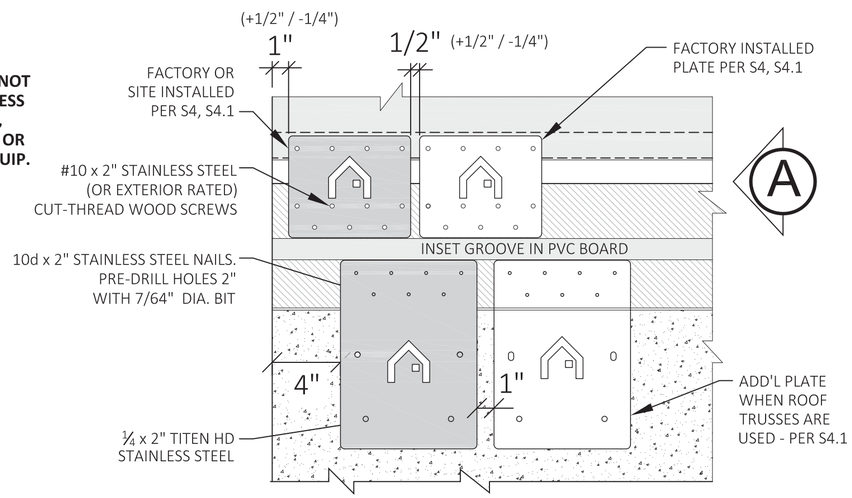
CONCRETE TO HAVE A MIN. 28 DAY COMPRESSIVE STRENGTH, f'c = 2,500 psi.



FOOTING TO BE DESIGNED & BUILT BY OTHERS TO SUPPORT 4,000 LB

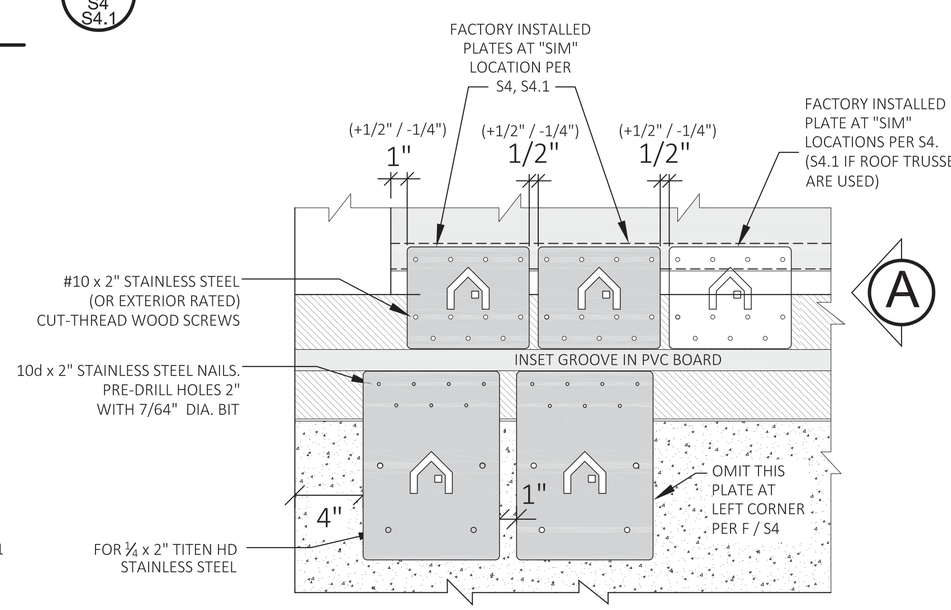
B INTERIOR BEAM SUPPORT

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:

CONNECTIONS TO CONCRETE STEMWALLS

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

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

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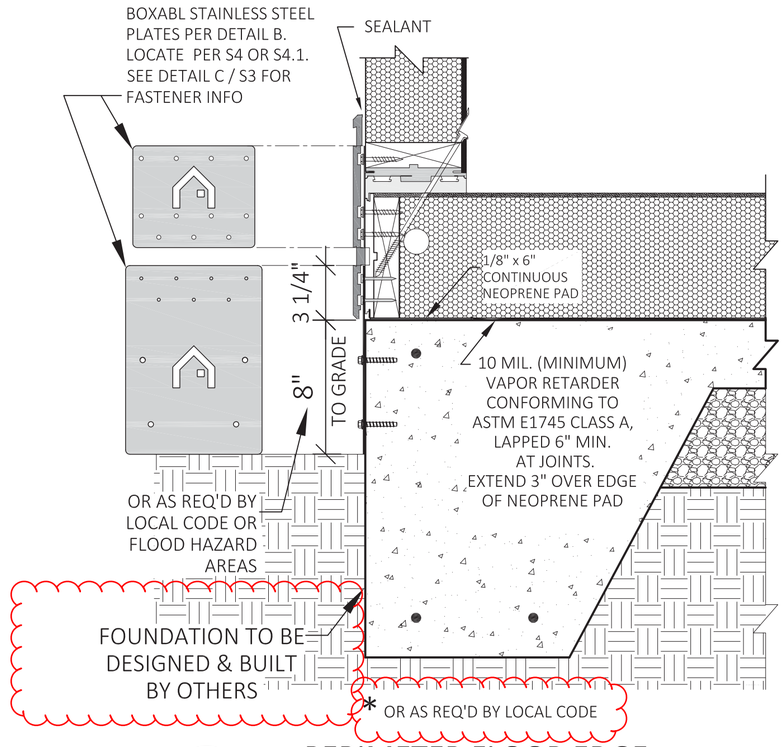
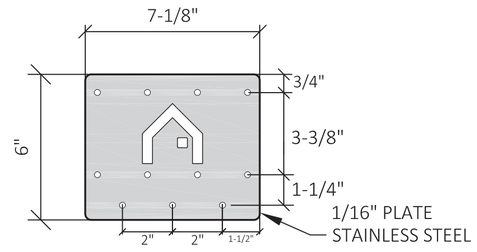
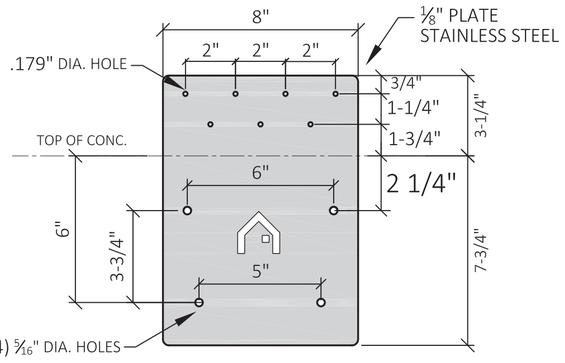


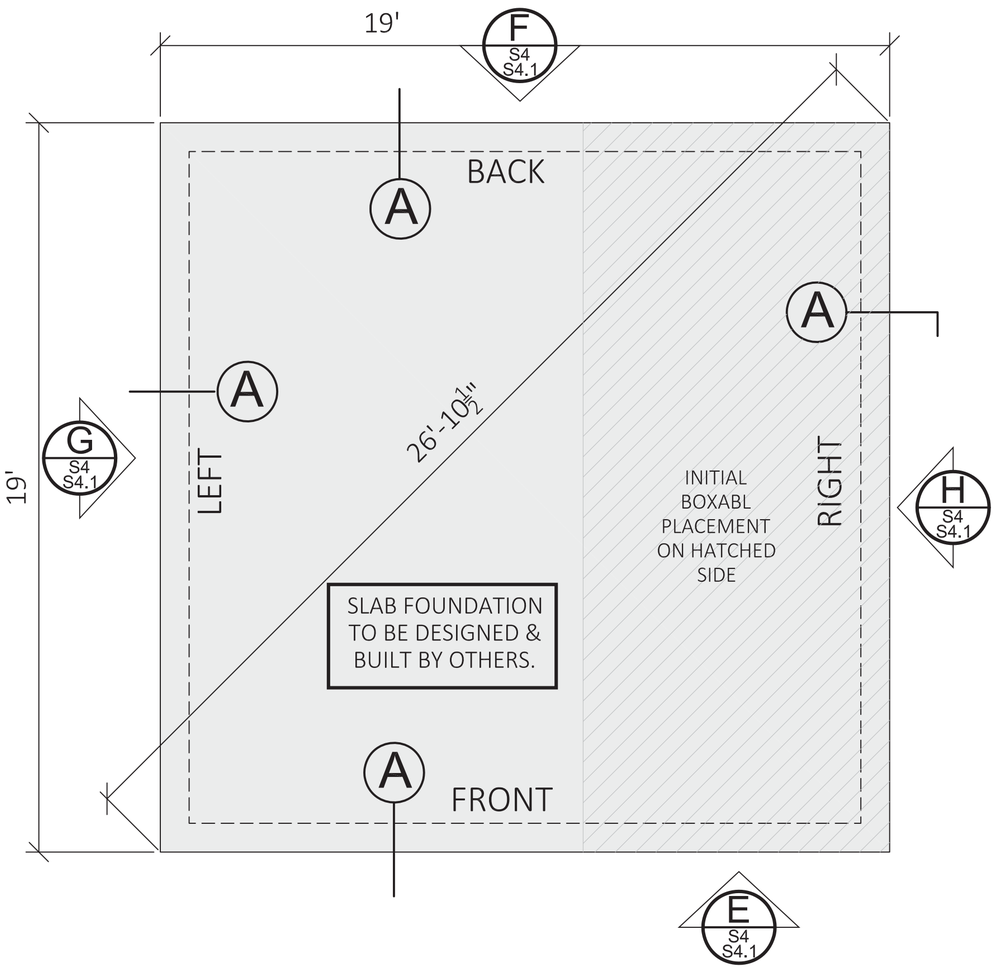
A — PERIMETER FLOOR EDGE

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 ⅛" 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:

CONNECTIONS TO THICKENED SLAB EDGE

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

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

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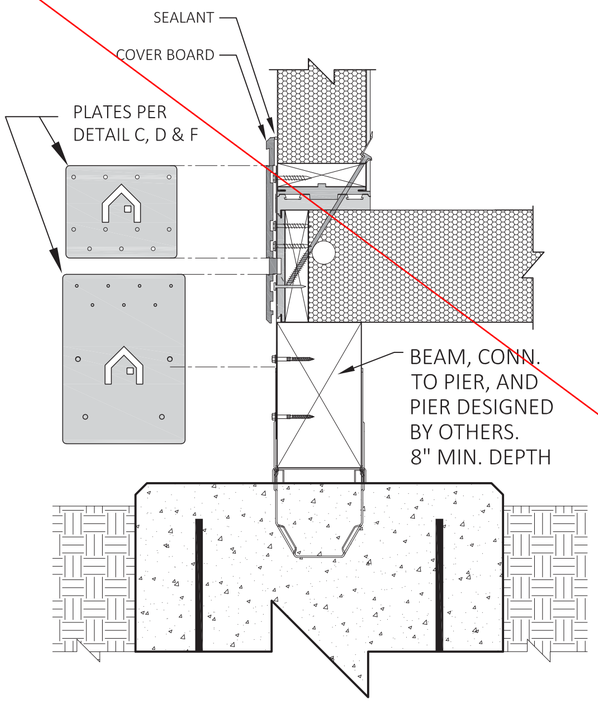
CONCRETE PIER & WOOD BEAM FOUNDATION OPTION

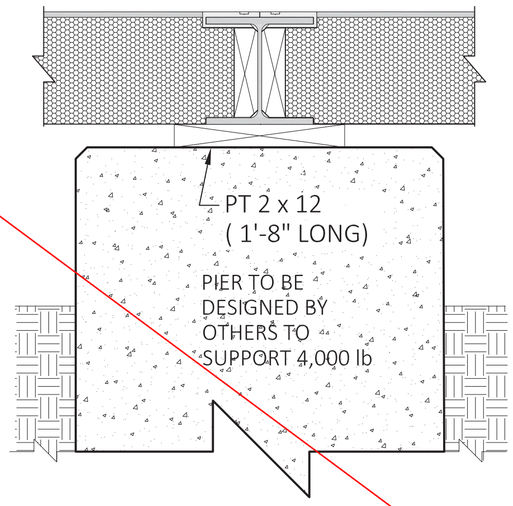
DESIGNED BY OTHERS

DO NOT USE FOR SOILS SUBJECT TO LIQUIFACTION.
FOR EXPANSIVE SOILS SEE S3.3.



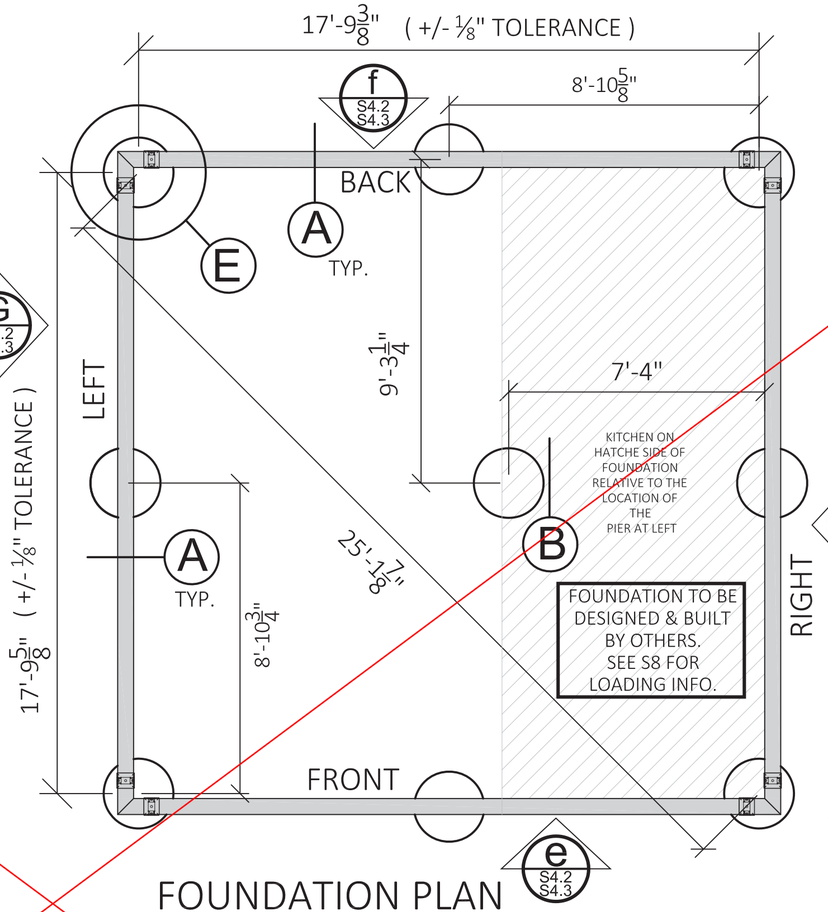
A TYPICAL PERIMETER PIER

SCALE: NONE

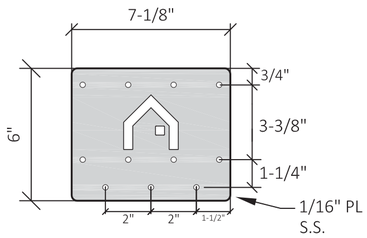


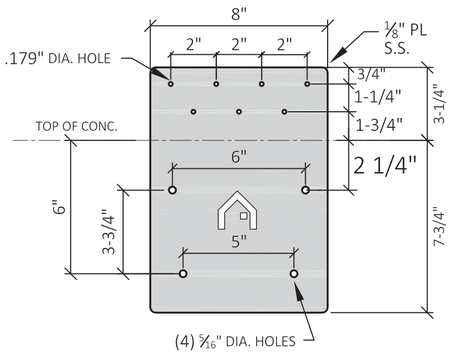
B INTERIOR FOOTING

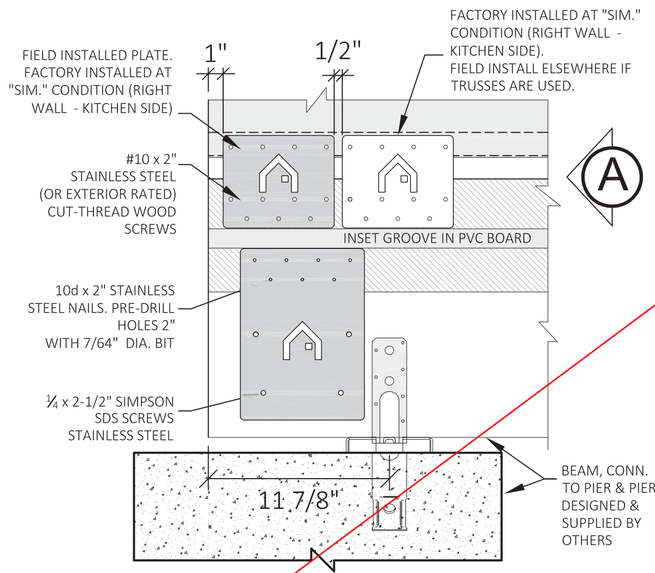
SCALE: NONE



FOUNDATION PLAN

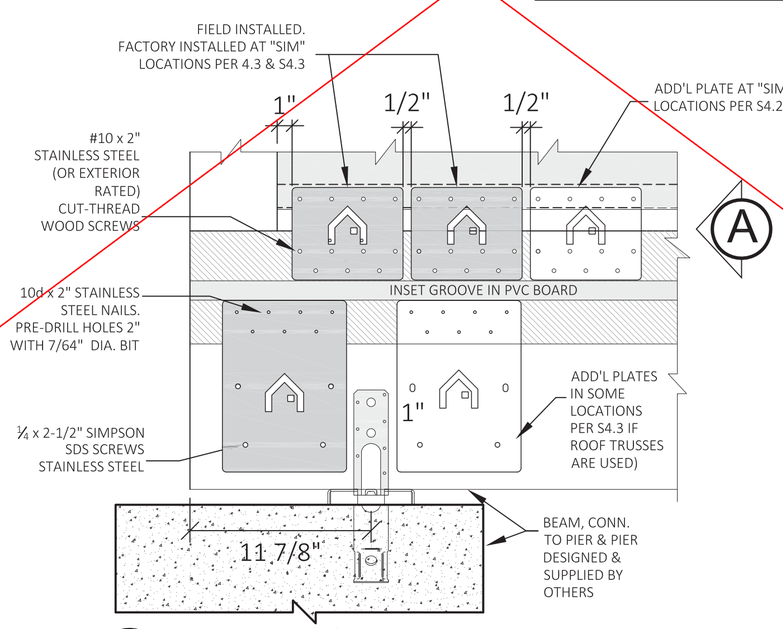






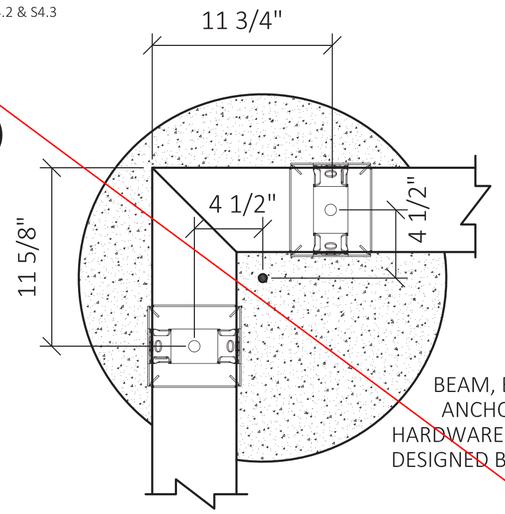
C HOLD-DOWN'S AT LEFT & RIGHT WALL

SEE S4.2 & S4.3 FOR LOCATION REFERENCE



D HOLD-DOWN'S AT FRONT & BACK WALL

SEE S4.2 & S4.3 FOR LOCATION REFERENCE



F

E CORNER PIERS

SCALE: NONE

DATE:	REV:	DESCRIPTION:

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

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

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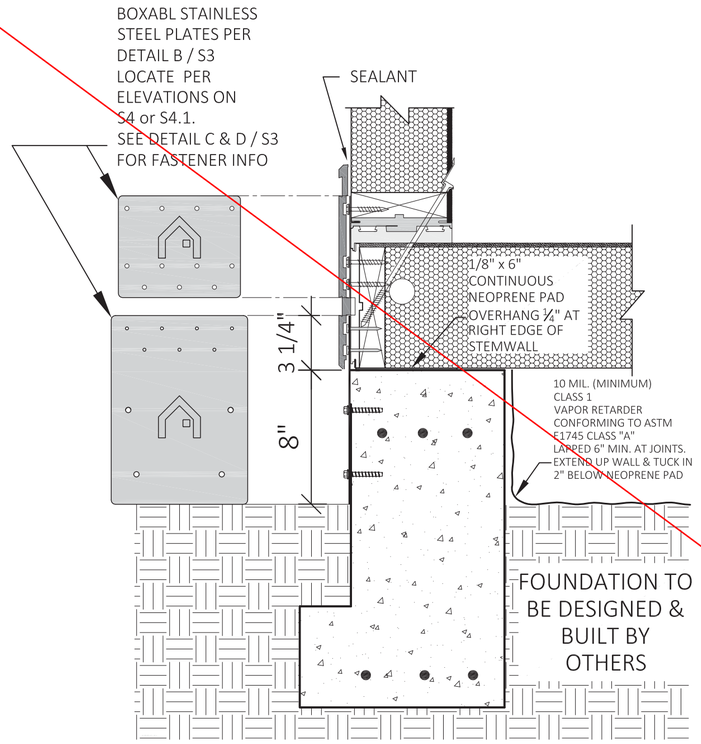
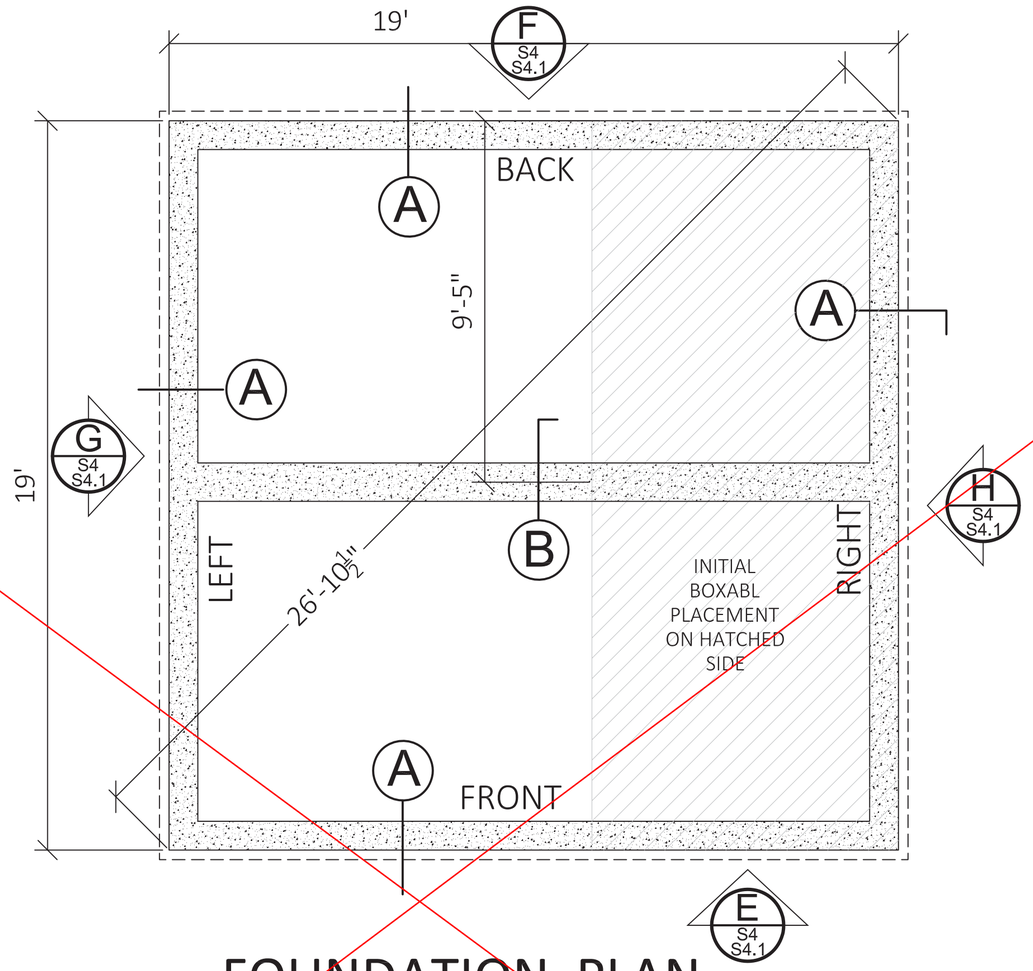
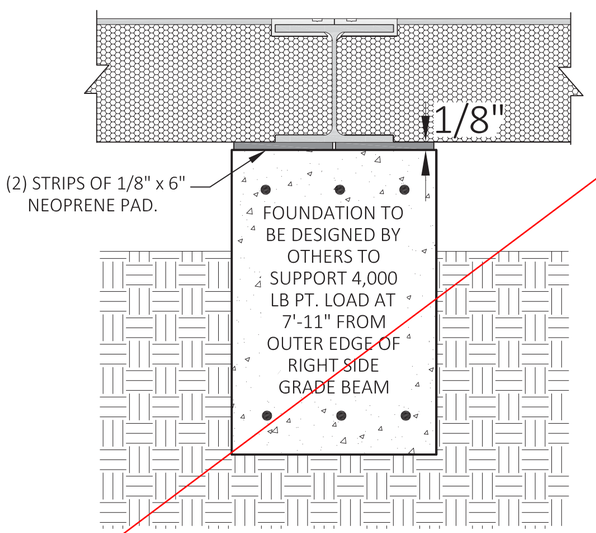


A PERIMETER FLOOR EDGE

SCALE: NONE



FOUNDATION PLAN



B INTERIOR BEAM SUPPORT

SCALE: NONE

GRADE BEAM OPTION

DESIGNED BY OTHERS.

FOR EXPANSIVE SOIL CONDITIONS

NOTES:

TOP SURFACE OF PERIMETER CONCRETE STEMWALL SHALL BE FLAT AND LEVEL TO WITHIN ⅛" 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.

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, PARTICULARY 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 GEOTECHNICL ENGINEER AND DESIGNED BY A LICENSED STRUCTURAL ENGINEER.

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

DATE:	REV:	DESCRIPTION:

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

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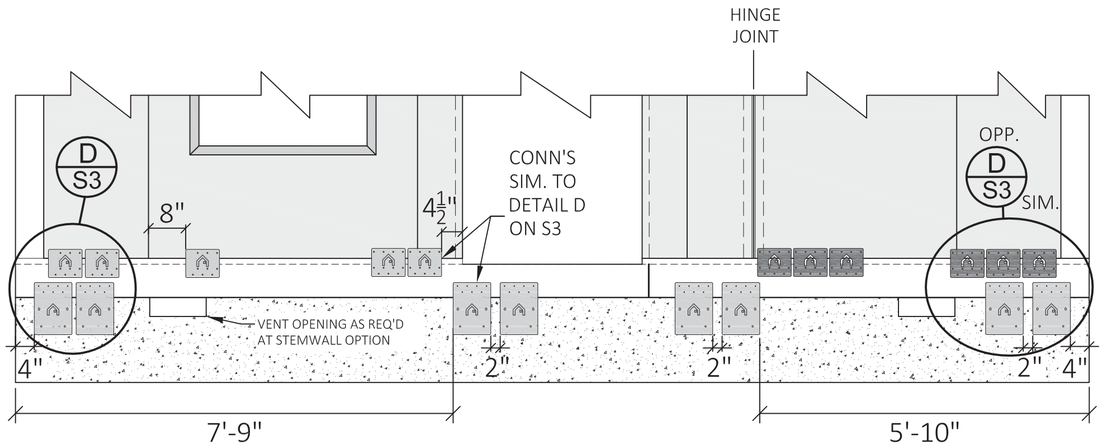
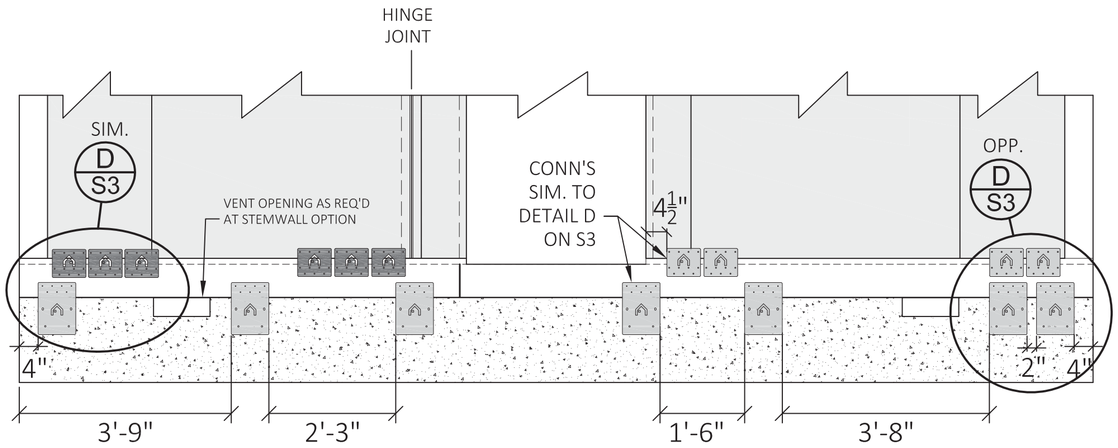


E FRONT WALL



F BACK WALL

CONCRETE FOUNDATION OPTION

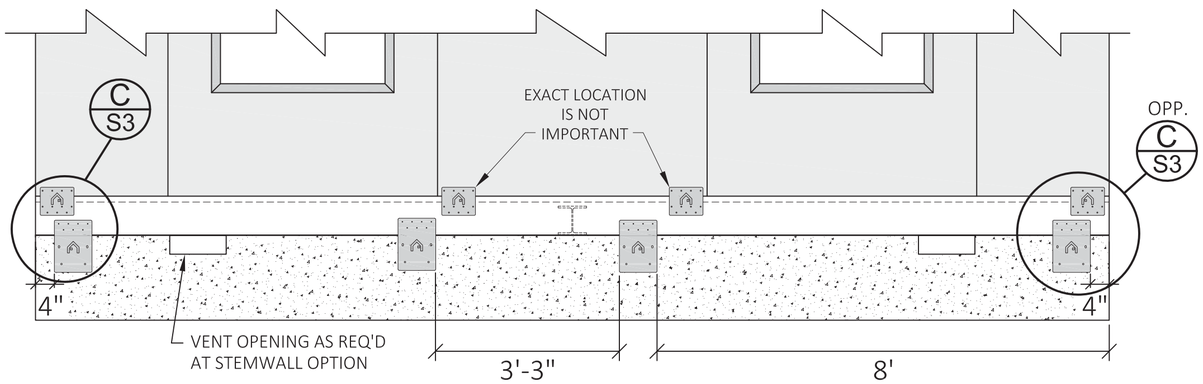
DESIGNED & BUILT BY OTHERS

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

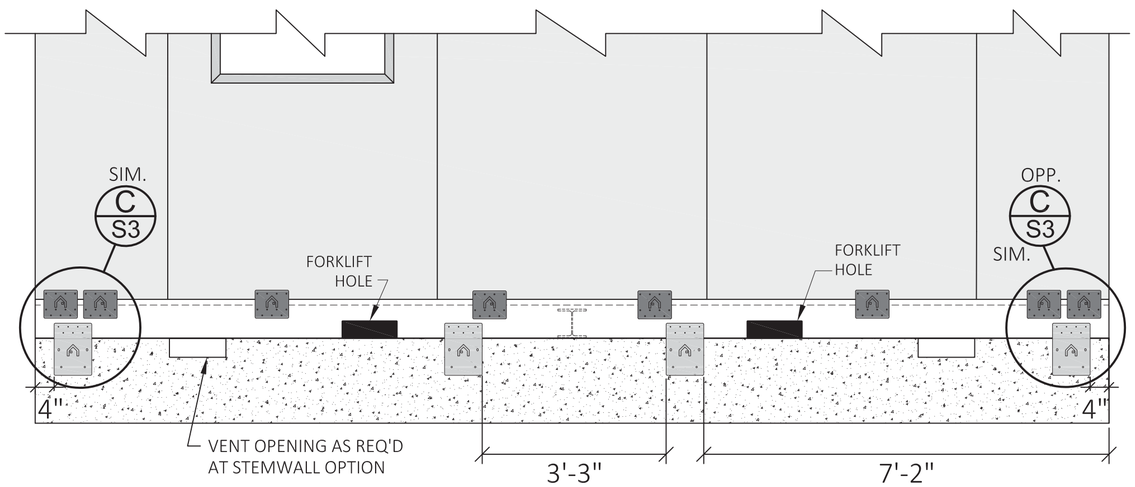
FIELD INSTALLED BOXABL PLATES

ANCHOR PLATE REQ'TS FOR LOW ROOF SLOPE CONDITION

SEE S4.1 IF TRUSSES ARE USED



G LEFT WALL



H RIGHT WALL

KITCHEN SIDE

DATE:	REV:	DESCRIPTION:

ANCHOR PL LOCATIONS TO CONCRETE

(TRUSSES NOT USED)

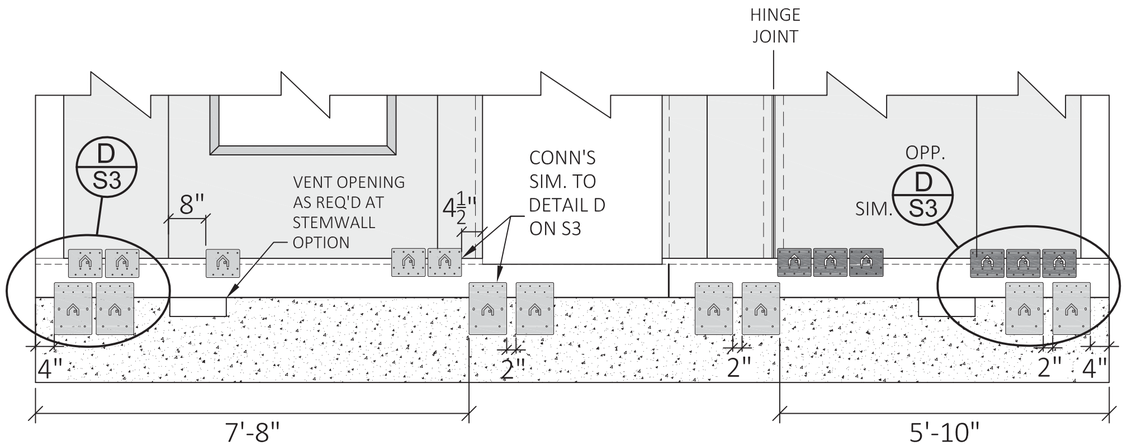
UNITS:	FT-IN
SHEET FORMAT:	ARCH C
SHEET SCALE:	NONE
CREATED BY:	MN
RELEASE DATE:	1/31/2024
SHEET:	S4

MODEL: 2 DOOR CASITA

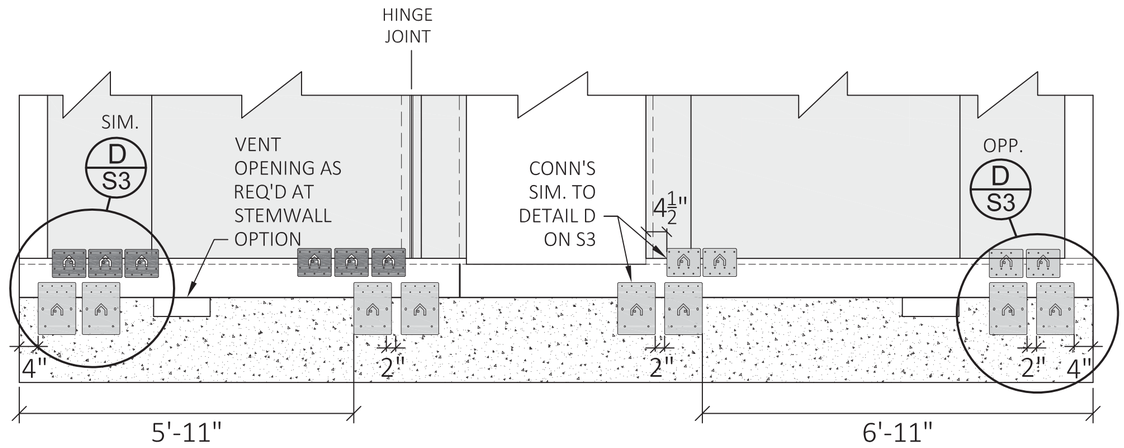
MODEL #: BXB-000009

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

BOXABL



E FRONT WALL



F BACK WALL

CONCRETE FOUNDATION OPTION

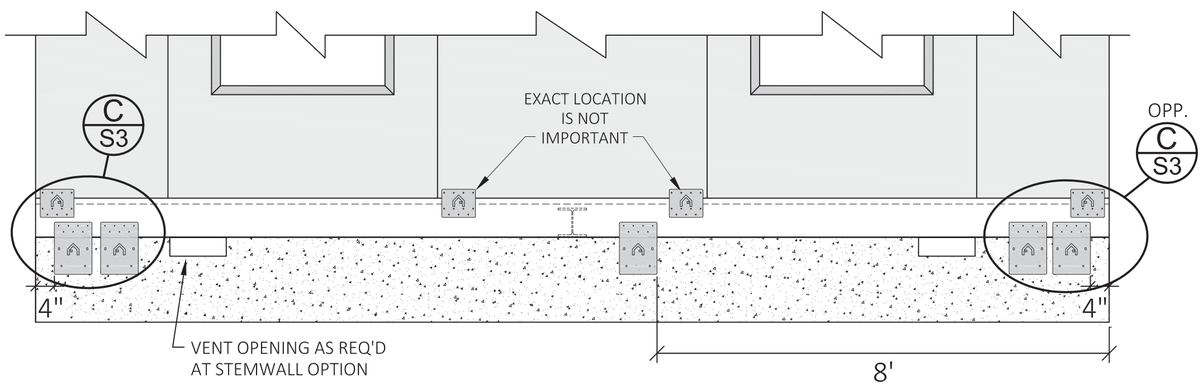
DESIGNED & BUILT BY OTHERS

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

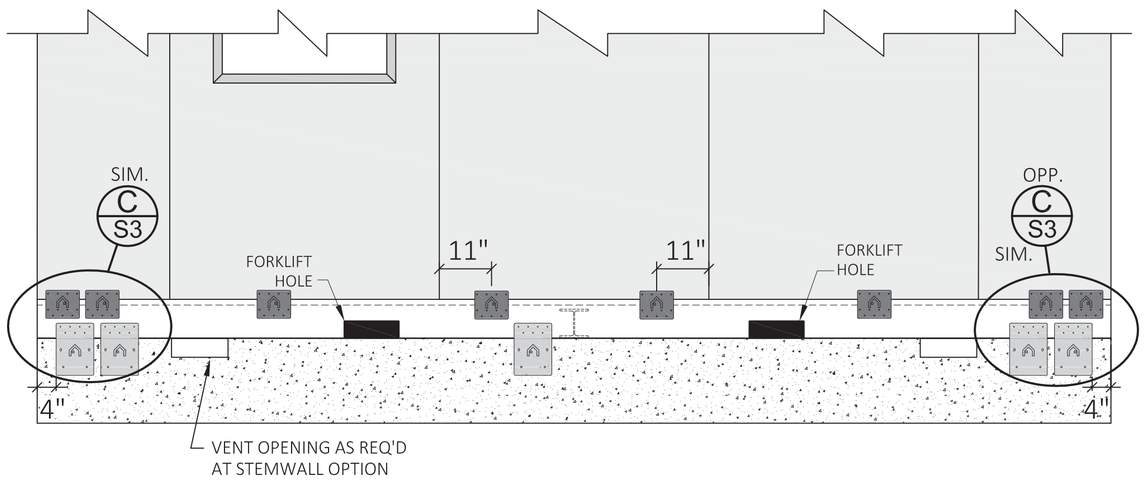
FIELD INSTALLED BOXABL PLATES

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:

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

BOXABL INC.
5345 EAST NORTH BELT ROAD
NORTH LAS VEGAS, NV 89115, USA
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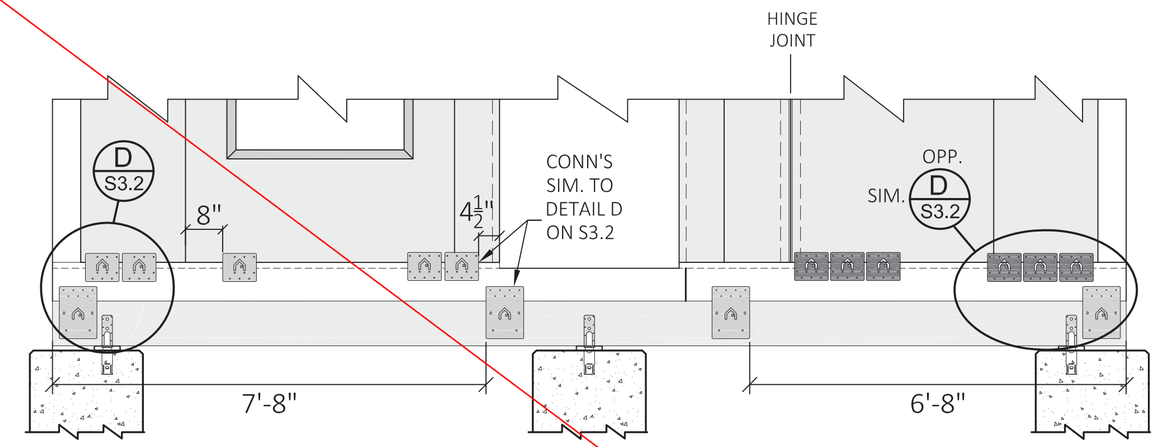
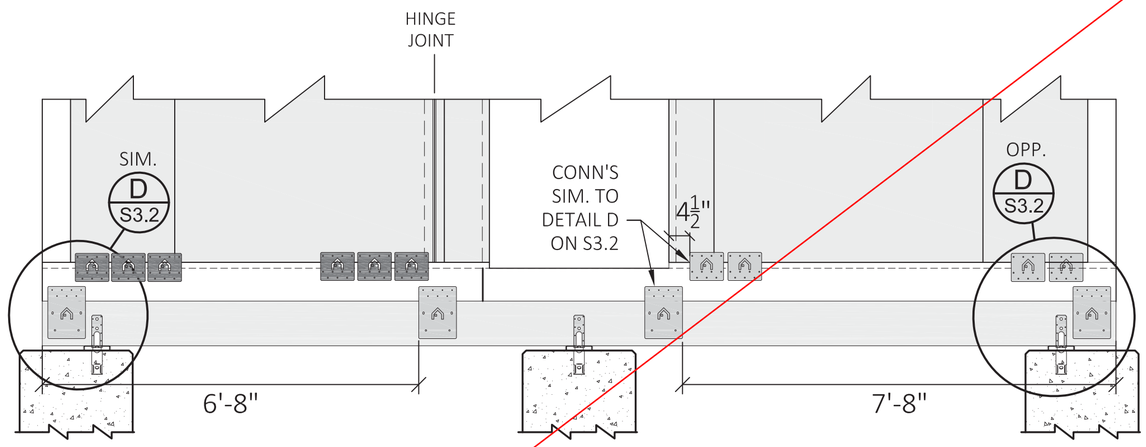


e FRONT WALL



f BACK WALL

CONCRETE PIER & BEAM OPTION

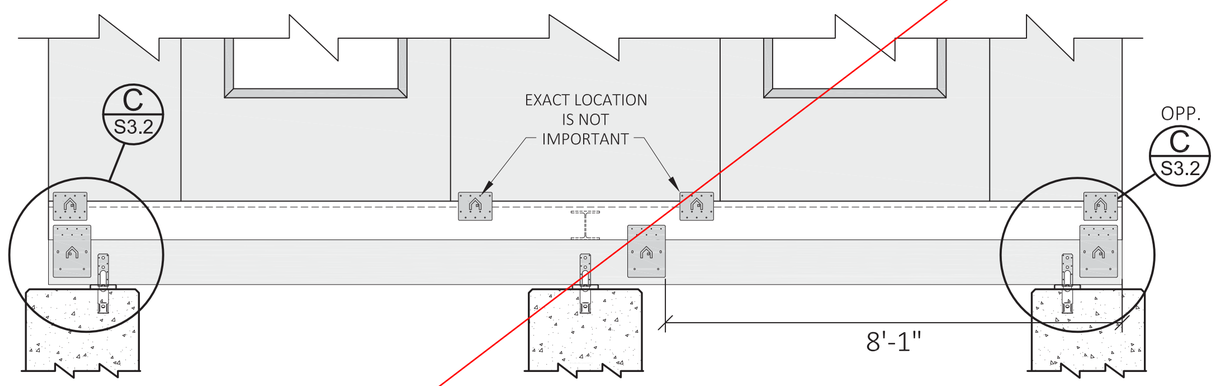
DESIGNED & BUILT BY OTHERS

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

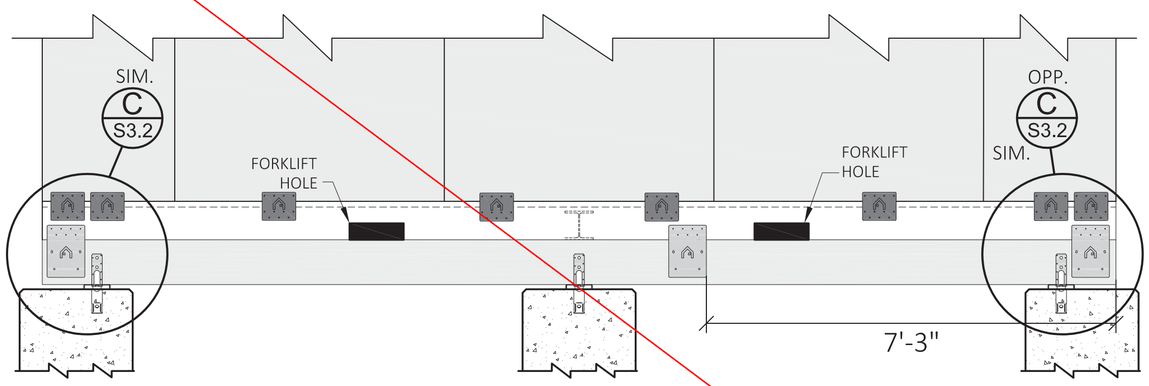
FIELD INSTALLED BOXABL PLATES

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:

ANCHOR PL LOCATIONS TO WOOD SUPPORTS

(TRUSSES NOT USED)

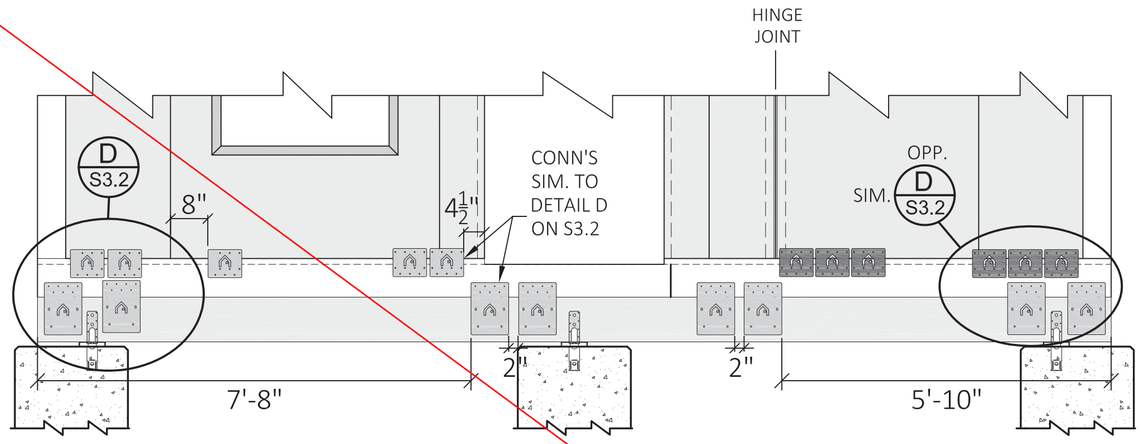
UNITS:	FT-IN
SHEET FORMAT:	ARCH C
SHEET SCALE:	NONE
CREATED BY:	MN
RELEASE DATE:	1/31/2024
SHEET:	S4.2

MODEL: 2 DOOR CASITA

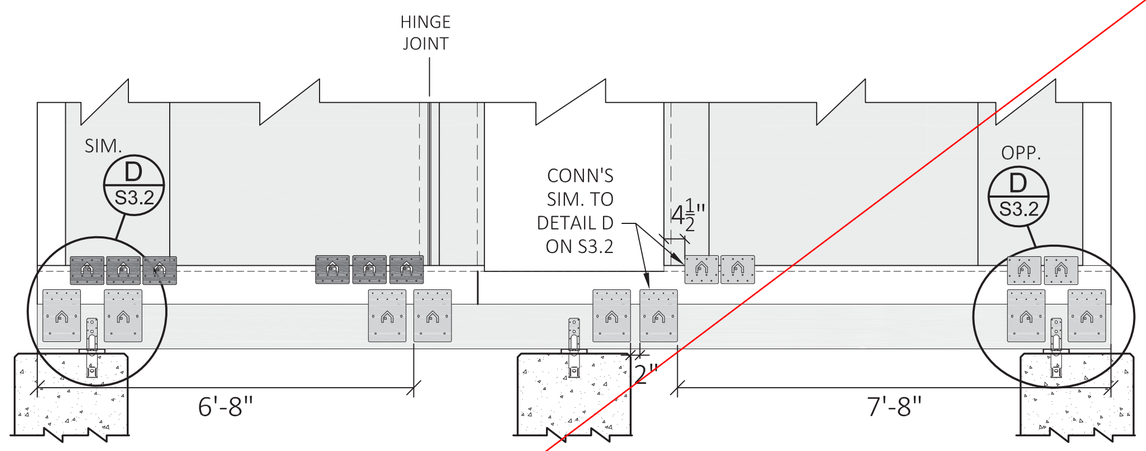
MODEL #: BXB-000009

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

BOXABL



e FRONT WALL



f BACK WALL

CONCRETE PIER & BEAM OPTION

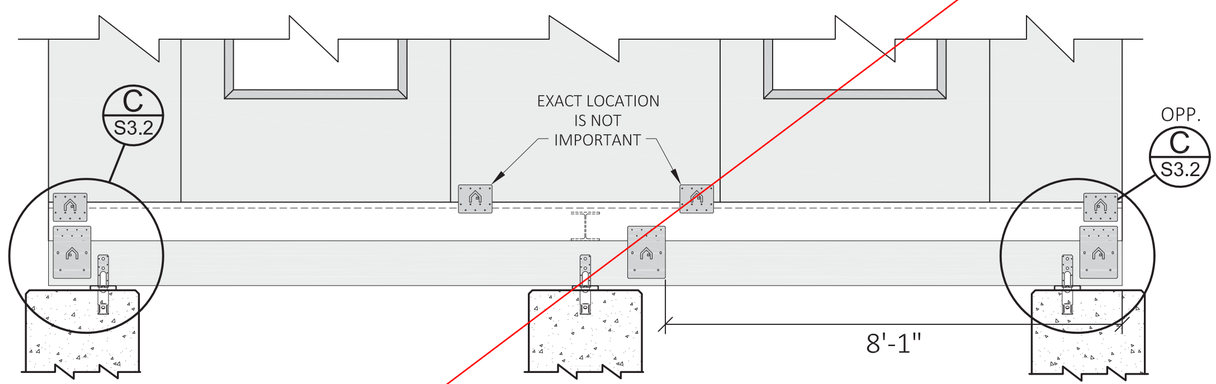
DESIGNED & BUILT BY OTHERS

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

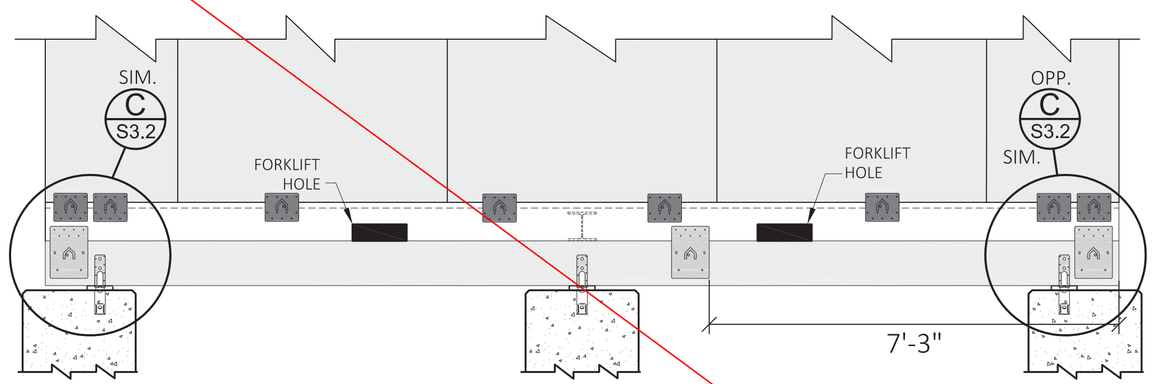
FIELD INSTALLED BOXABL PLATES

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:

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

BOXABL INC.
5345 EAST NORTH BELT ROAD
NORTH LAS VEGAS, NV 89115, USA
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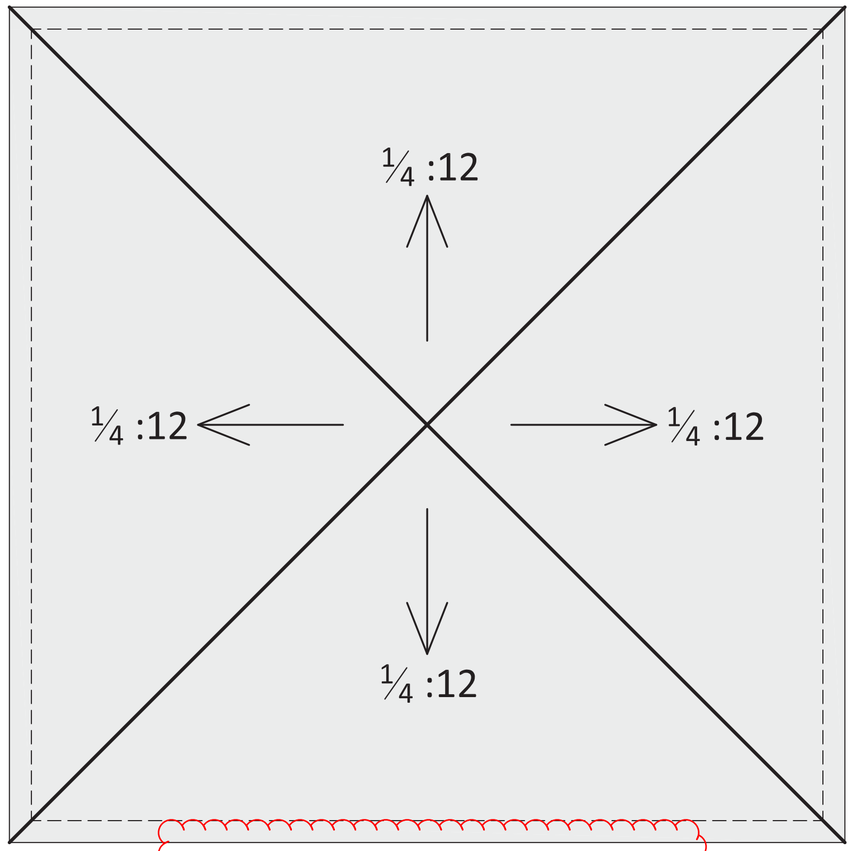

TPO ROOFING
OVER
TAPERED INSULATION
GLUED TO ROOF.
PER DESIGN BY OTHERS

DATE:	REV:	DESCRIPTION:

LOW SLOPE ROOF OPTION

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

MODEL: 1 DOOR CASITA

MODEL #: BXB-000002

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

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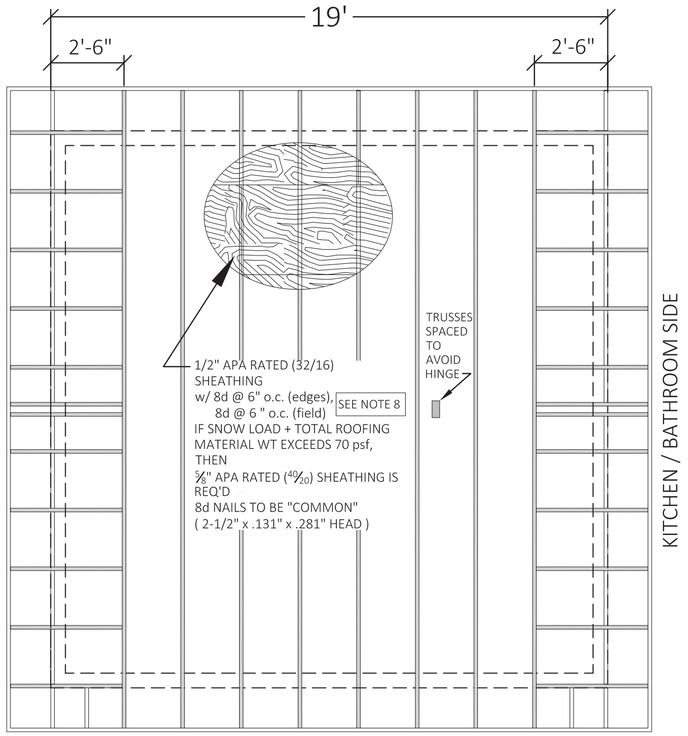
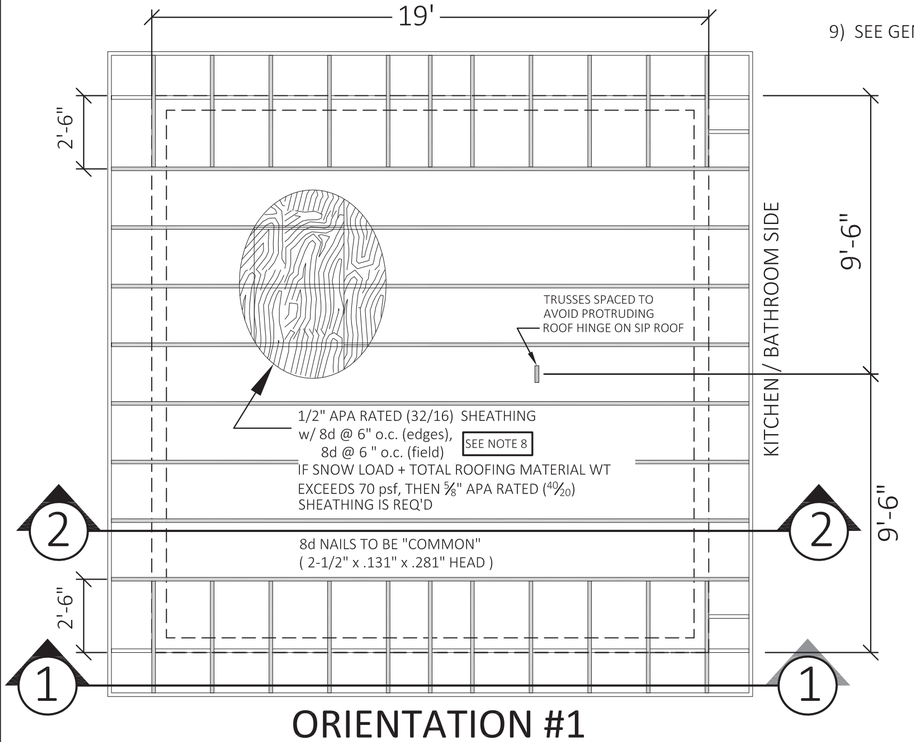


ORIENTATION #2

(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 TRUSSS 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.

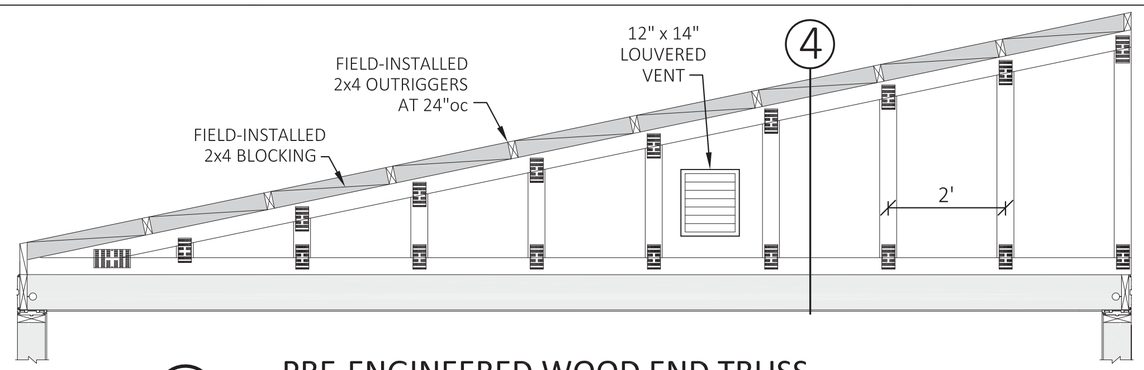
5) FOR ROOF PITCHES STEEPER THAN 5: 12 CONTACT BOXABL FOR SPECIAL DESIGN.

6) STABILITY DURING ERECTION TO BE DESIGNED & SUPPLIED BY OTHERS.

7) CLAY OR CONCRETE TILE NOT ALLOWED IN SEISMIC CATEGORIES D, E, or F.

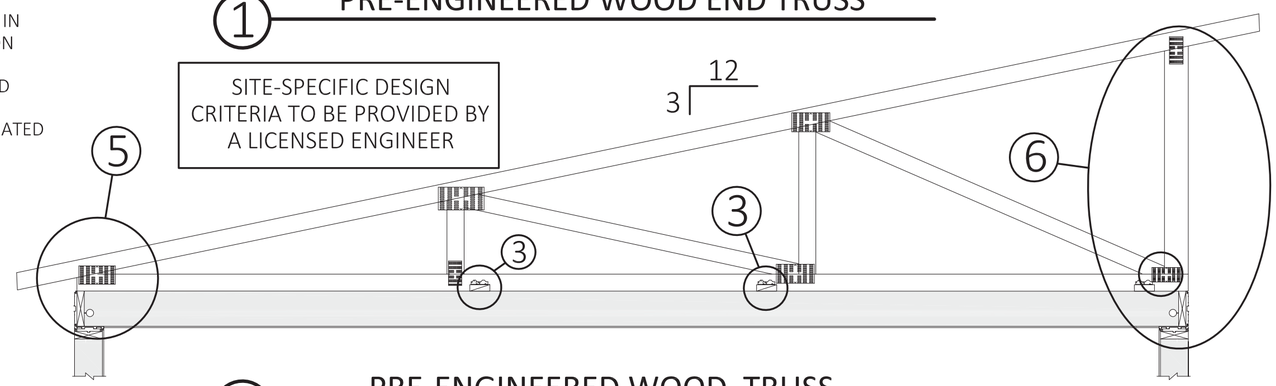
8) IF THE ULTIMATE DESIGN WIND SPEED IS OVER 130 mph, Exp. B OR 110 mph, Exp. C, THEN REDUCE SHEATHING EDGE AND FIELD NAIL SPACING TO 4"oc WITHIN 4 ft OF THE PERIMETER EDGE.

9) SEE GENERAL NOTES SHEET FOR MORE INFO.

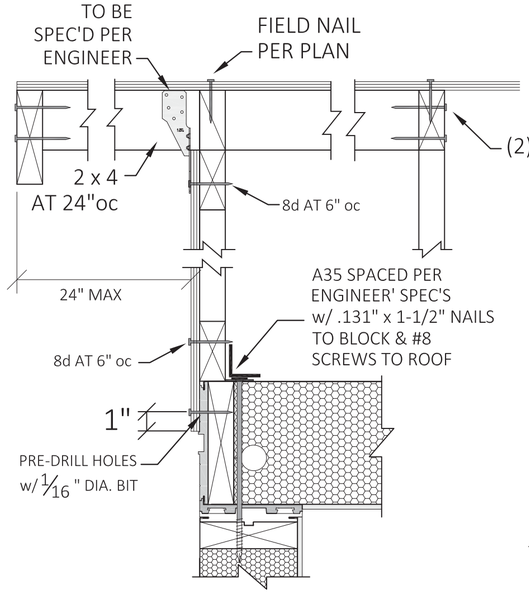


1 PRE-ENGINEERED WOOD END TRUSS

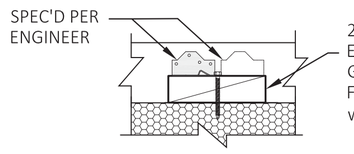
SITE-SPECIFIC DESIGN CRITERIA TO BE PROVIDED BY A LICENSED ENGINEER



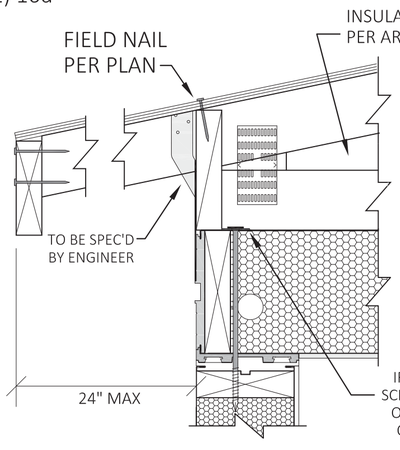
2 PRE-ENGINEERED WOOD TRUSS



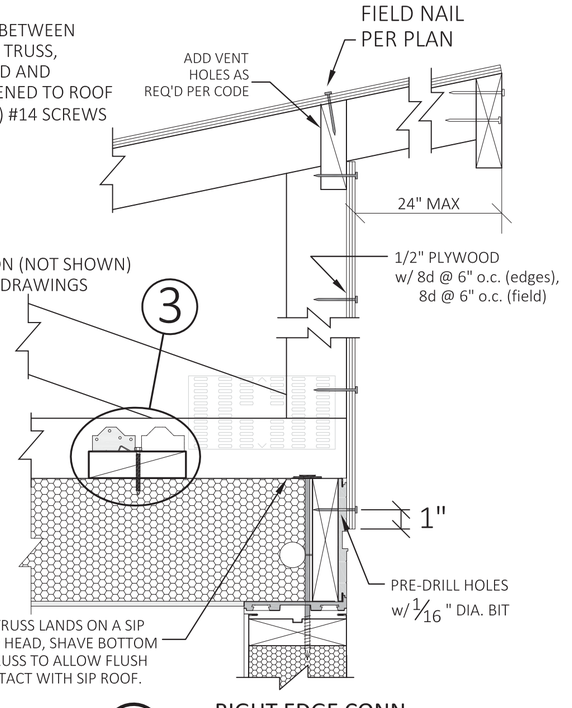
4 GABLE END TRUSS TO ROOF EDGE



3 TRUSS BOT. CHORD BRACING AGAINST UPLIFT BUCKLING



5 LEFT EDGE CONNECTION



6 RIGHT EDGE CONN.

DATE:	REV:	DESCRIPTION:

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

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

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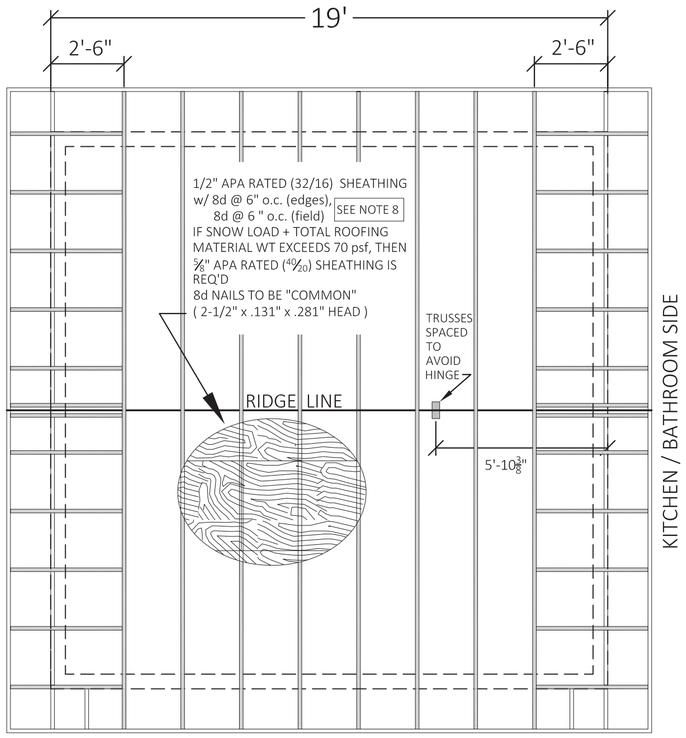
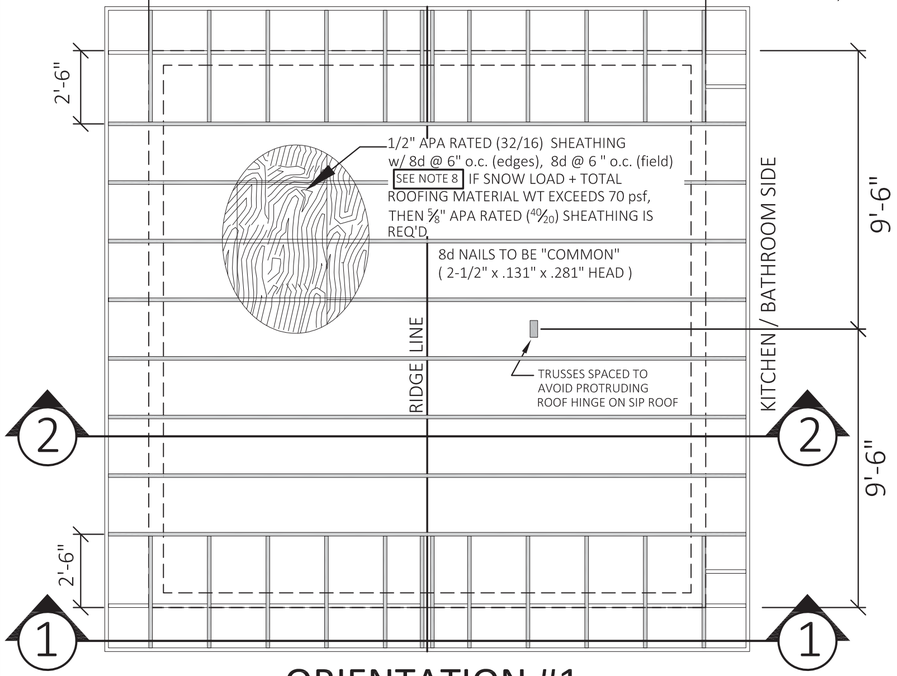


ORIENTATION #2

(REQUIRED IN SEISMIC CATEGORIES D and E)



ORIENTATION #1

(NOT ALLOWED IN SEISMIC CATEGORIES D or E)

NOTES:

1) TRUSS MNFR TO DESIGN TRUSSS 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 AND COORDINATED WITH THE TRUSS MNFR'S SHOP DRAWINGS

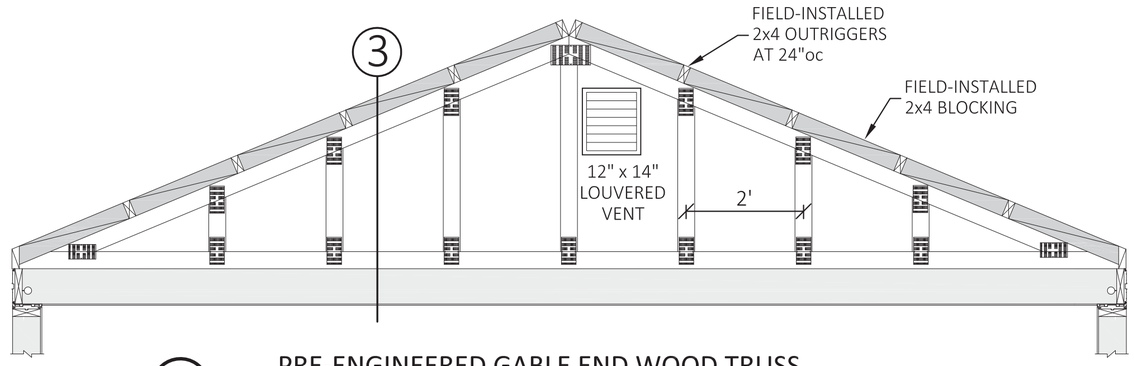
5) FOR ROOF PITCHES STEEPER THAN 5: 12 CONTACT BOXABL FOR SPECIAL DESIGN.

6) STABILITY DURING ERECTION TO BE DESIGNED & SUPPLIED BY OTHERS.

7) CLAY OR CONCRETE TILE NOT ALLOWED IN SEISMIC CATEGORIES D OR E.

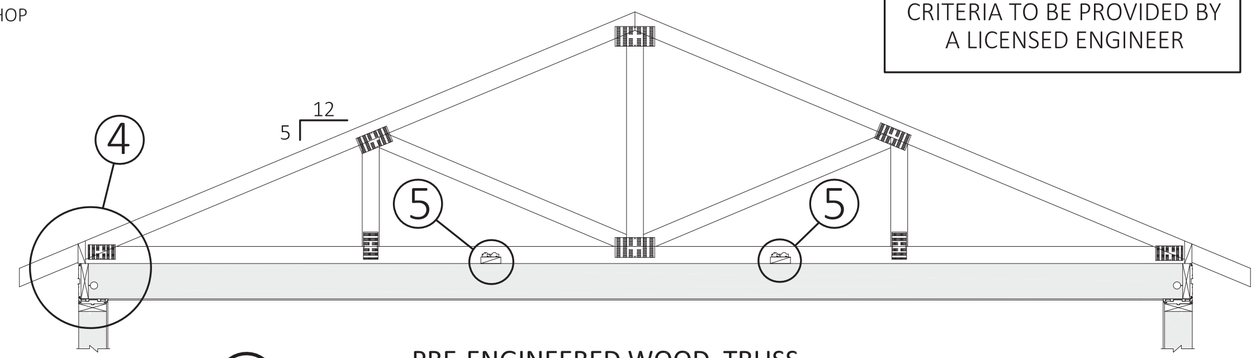
8) IF THE ULTIMATE DESIGN WIND SPEED IS OVER 130 mph, Exp. B OR 110 mph, Exp. C, THEN REDUCE SHEATHING EDGE AND FIELD NAIL SPACING TO 4"oc

9) SEE GENERAL NOTES SHEET FOR MORE INFO.

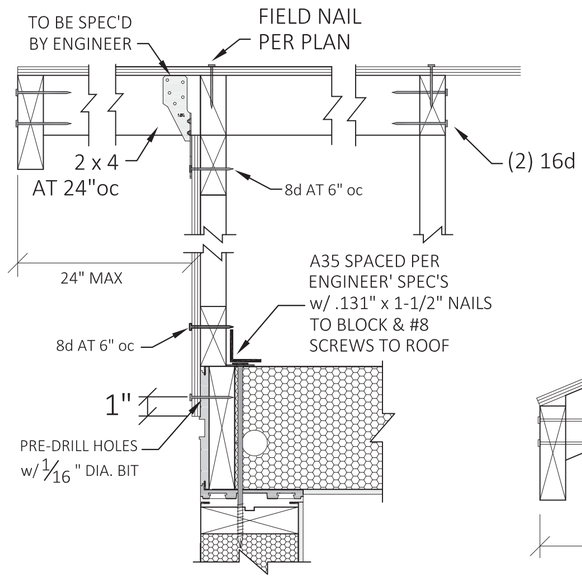


1 PRE-ENGINEERED GABLE END WOOD TRUSS

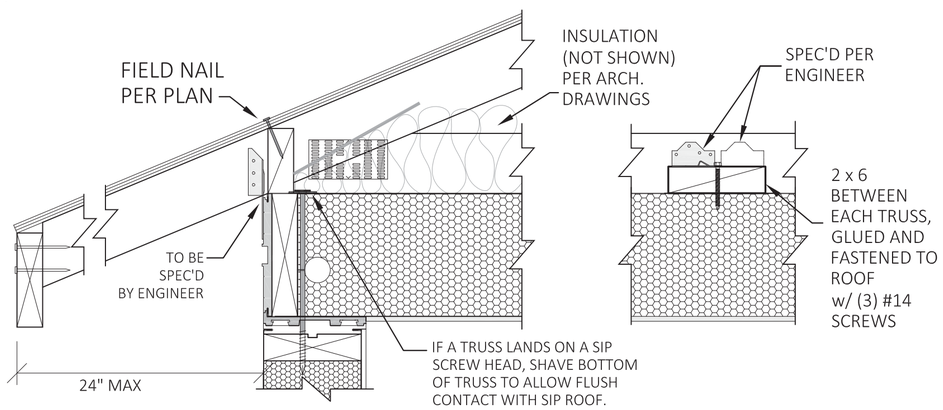
SITE-SPECIFIC DESIGN CRITERIA TO BE PROVIDED BY A LICENSED ENGINEER



2 PRE-ENGINEERED WOOD TRUSS



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:

HIGH SLOPE GABLE ROOF OPTION

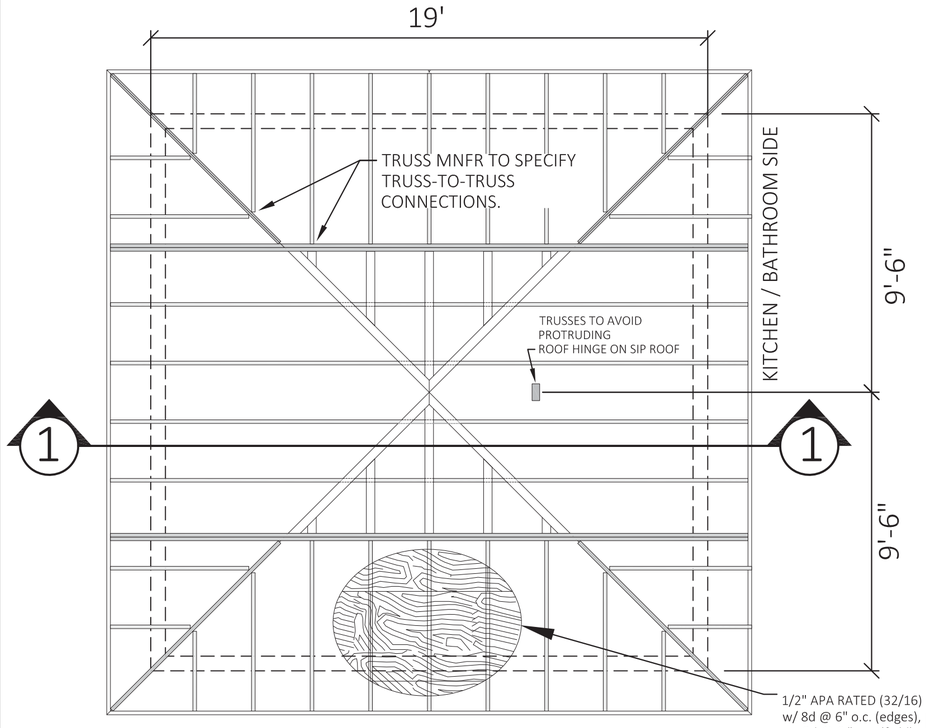
UNITS:	FT-IN
SHEET FORMAT:	ARCH C
SHEET SCALE:	NONE
CREATED BY:	
RELEASE DATE:	5/28/2024
SHEET:	S7

MODEL: 2 DOOR CASITA

MODEL #: BXB-000009

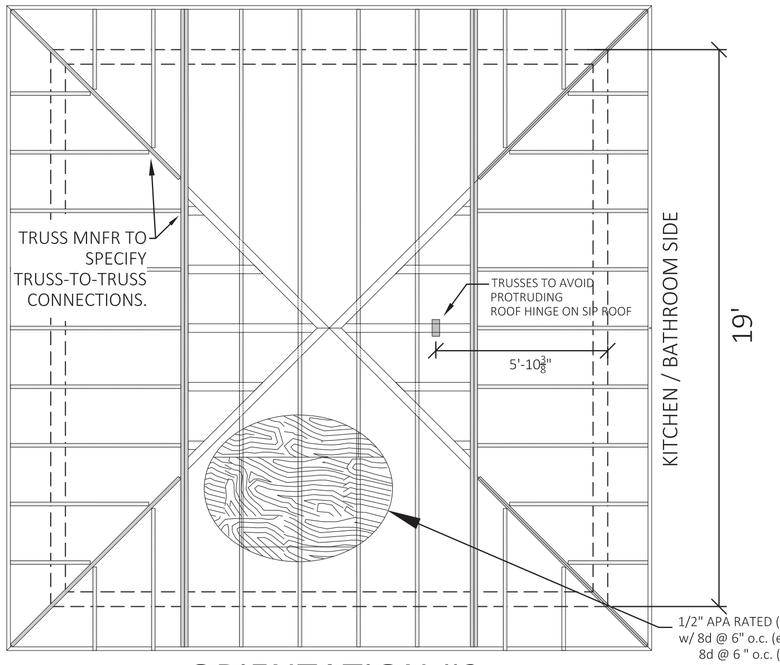
BOXABL INC.
5345 EAST NORTH BELT ROAD
NORTH LAS VEGAS, NV 89115, USA
+1(702) 500-9000 HELLO@BOXABL.COM

BOXABL



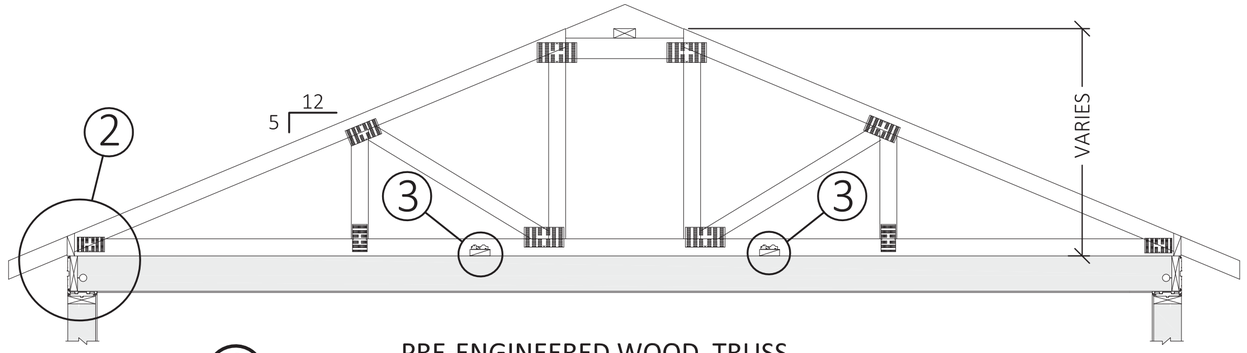
ORIENTATION #1

(NOT ALLOWED IN SEISMIC CATEGORIES D or E)



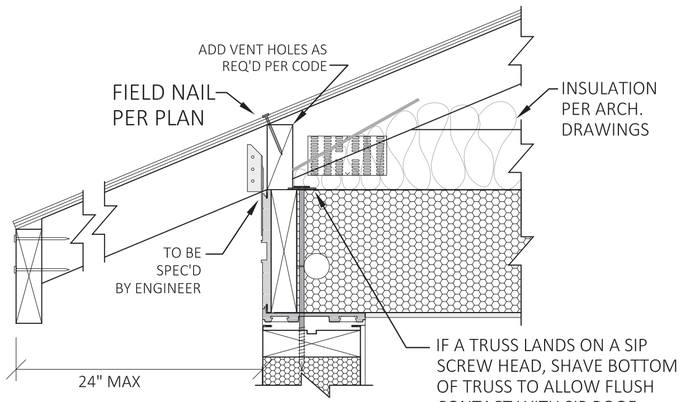
ORIENTATION #2

(REQUIRED IN SEISMIC CATEGORIES D OR E)

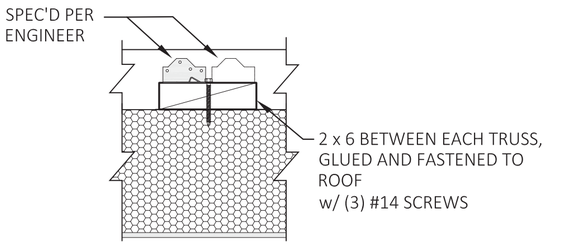


1 PRE-ENGINEERED WOOD TRUSS

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 INDATED 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:

HIGH SLOPE HIP ROOF OPTION

UNITS:	FT-IN
SHEET FORMAT:	ARCH C
SHEET SCALE:	NONE
CREATED BY:	
RELEASE DATE:	5/28/2024
SHEET:	S8

MODEL: 2 DOOR CASITA

MODEL #: BXB-000009

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5345 EAST NORTH BELT ROAD
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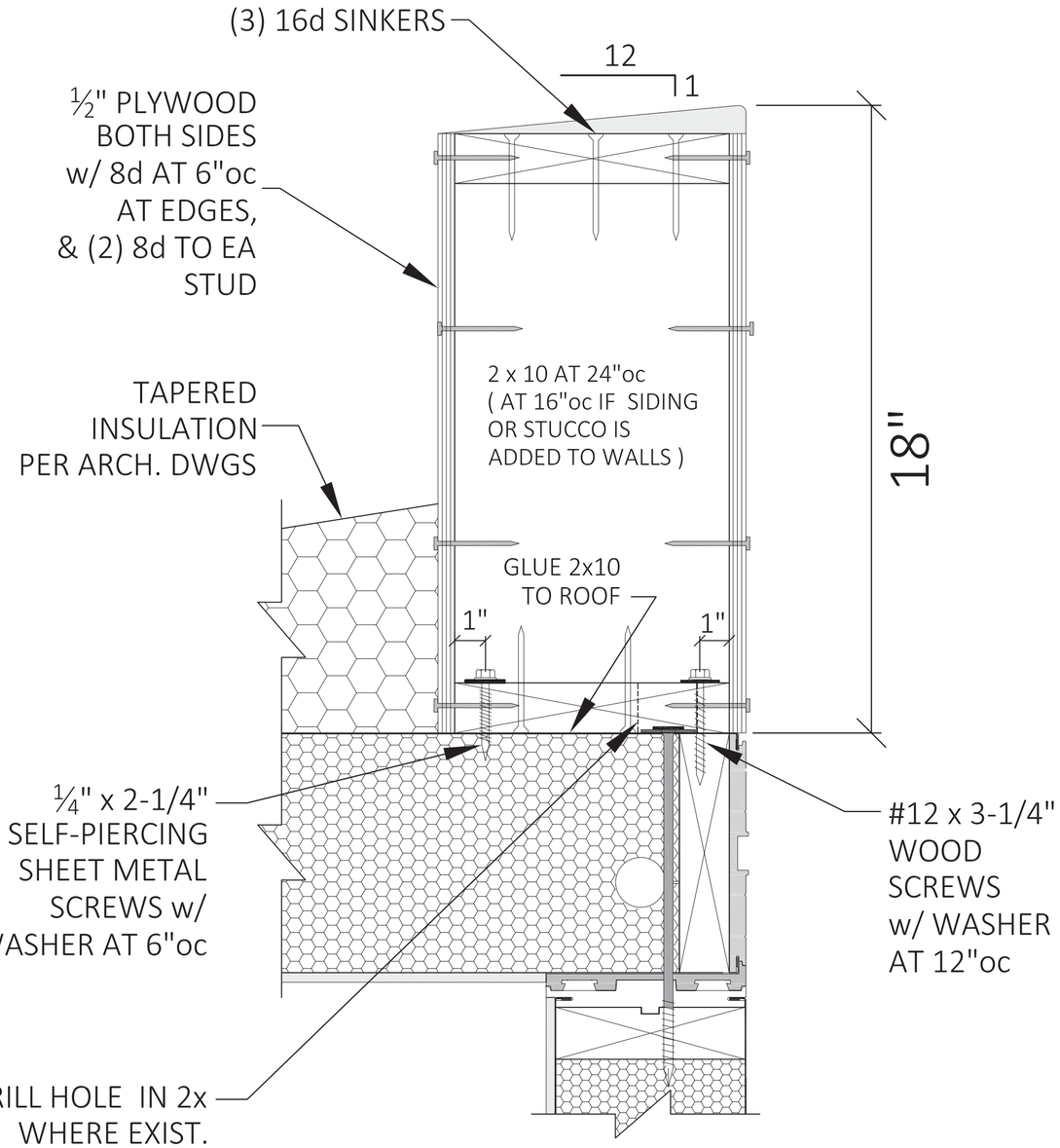
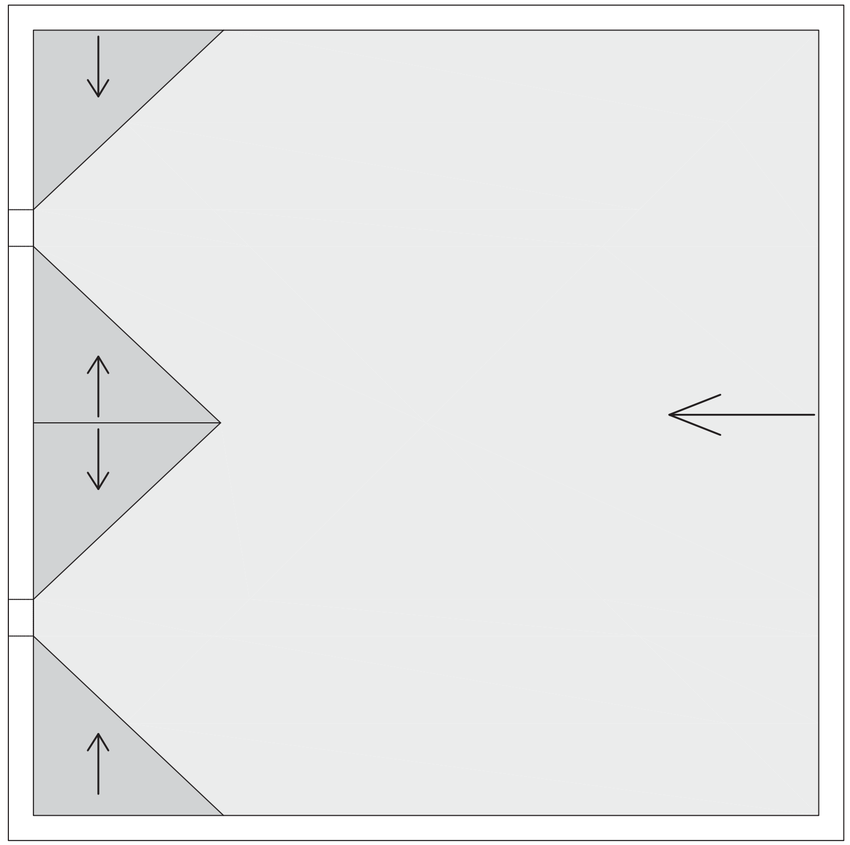


ROOF EDGE



ROOF PLAN

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:

LOW SLOPE
PARAPET ROOF OPTION

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

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