	4		3		
	ENERGY	CALCULATIONS			
D	THESE VALUES WERE USED TO CREATE THE NOTE: AIR FILM VALUES SOURCED FROM THE 202 26.21, TABLE 10	E RESCHECK COMPLIANCE CERTIFICATE 1 ASHRAE FUNDAMENTALS, CHAPTER 26, 1	PAGE		
	WALL ASSEMBLY OUTSIDE AIR FILM: 0.25 5.75" EPS WALL PANEL: 22.54 (ASSUMES F 3.5 TO 4.0 1/4" MGO BOARD: 0 INSIDE AIR FILM: 0.68 • TOTAL FOR WALL ASSEMBLY: R= 23.4	R VALUE OF 3.92/INCH) VARIES ANYWHERE 7 U= 0.0426	FROM		
	FLOOR ASSEMBLY OUTSIDE AIR FILM: 0.25 6.75" EPS WALL PANEL: 26.46 (ASSUMES F 3.5 TO 4.0 1/4" MGO BOARD: 0 INSIDE AIR FILM: 0.92 • TOTAL FOR FLOOR ASSEMBLY: R= 27.0	R VALUE OF 3.92/INCH) VARIES ANYWHERE	FROM	T	WO E
С	ROOF ASSEMBLY OUTSIDE AIR FILM: 0.25 6.75" EPS WALL PANEL: 26.46 (ASSUMES F 3.5 TO 4.0 1/4" MGO BOARD: 0 INSIDE AIR FILM: 0.61 • TOTAL FOR ROOF ASSEMBLY: R= 27.3	R VALUE OF 3.92/INCH) VARIES ANYWHERE 2 U= 0.0366	FROM	BI	
	 ROOF ASSEMBLY (CLIMATE ZONES 5 0) BLOWN IN CELLULOSE INSULATION: R = 14. 6.75" EPS WALL PANEL: 26.46 (ASSUMES F 3.5 TO 4.0 1/4" MGO BOARD: 0 INSIDE AIR FILM: 0.61 TOTAL FOR ROOF ASSEMBLY: R= 41.4 	<u>OR HIGHER)</u> 4 R VALUE OF 3.92/INCH) VARIES ANYWHERE 7 U= 0.0241	FROM	ADDRESS: ADDRESS: CITY: COUNTY: STATE:	
B	 CLIMATE ZONE 5 OR HIGHER: ADD 4" BLO INSULATION OF EQUAL R VALUE ENVELOPE CALCULATIONS WERE DONE US BASED ON OUR RESCHECK ANALYSIS, THE CHASES, AND OTHER VOIDS WERE NEGLIC OVERALL THERMAL PERFORMANCE OF TH R VALUES NOTED ABOVE (R 3.92/IN) ARE FOR EXPANDED POLYSTYRENE INSULATIO 	WN IN CELLULOSE INSULATION (R = 14.4) (SING THE PERFORMANCE METHOD LOSS OF THERMAL EFFICIENCY DUE TO IN GIBLE, AND DID NOT HAVE A NEGATIVE EFF IE UNIT. REFERENCED IN ICC EVALUATION REPORT IN N THIS INSULATION IS LISTED AS THE INSU	DR OTHER	BUILDING CODE: BUILDING CODE: MECHANICAL CODE: ELECTRICAL CODE: PLUMBING CODE: ENERGY CODE: UNLIMITED OPENINGS IN BETWEEN UNITS	EXTERIOR WALLS REQUIRI
	USED IN THE ICC ES EVALUATION REPORT	ESR 4725 FOR STRUCTURAL INSULATION P	ANELS.		BUILDING DA
			OC TC BL CC CL	CCUPANCY CLASSIFICATION: DTAL BUILDING AREA: JILDING HEIGHT: DNSTRUCTION TYPE: IMATE ZONE:	IRC ACCESSORY STRUCT 361 SQ FT 10'-9" V-B (STRUCTURAL INSU 1-6 (SOME CLIMATE REG
A			<u>T</u> • •	ESTS PASSED: NFPA 286 CORNER BURN T ASTM E84 NON-COMBUST ICC EVALUATION REPORT E	EST IBLE MATERIAL CONSTRUC ISR 4725
	DATE: REV: DESCRIPTION:		B	OXABL I	NC.
			534 NOPT	5 EAST NORTH BELT	ROAD
			+1(702)	500-9000 HFILO@	BOXABL COM

BOXABL STUDIO CASITA DOOR - MODEL BXB-000009

 • TOTAL FOR ROOF ASSEMBLY: R= 27.32 U= 0.0366 	BUILDING INFORMATION	GENERAL NOTES
 ROOF ASSEMBLY (CLIMATE ZONES 5 OR HIGHER) BLOWN IN CELLULOSE INSULATION: R = 14.4 6.75" EPS WALL PANEL: 26.46 (ASSUMES R VALUE OF 3.92/INCH) VARIES ANYWHERE FROM 3.5 TO 4.0 1/4" MGO BOARD: 0 INSIDE AIR FILM: 0.61 TOTAL FOR ROOF ASSEMBLY: R= 41.47 U= 0.0241 CLIMATE ZONE 5 OR HIGHER: ADD 4" BLOWN IN CELLULOSE INSULATION (R = 14.4) OR OTHER INSULATION OF EQUAL R VALUE ENVELOPE CALCULATIONS WERE DONE USING THE PERFORMANCE METHOD BASED ON OUR RESCHECK ANALYSIS, THE LOSS OF THERMAL EFFICIENCY DUE TO INTERNAL CHASES, AND OTHER VOIDS WERE DONE USING THE PERFORMANCE METHOD BASED ON OUR RESCHECK ANALYSIS, THE LOSS OF THERMAL EFFICIENCY DUE TO INTERNAL CHASES, AND OTHER VOIDS WERE NEGLIGIBLE, AND DID NOT HAVE A NEGATIVE EFFECT ON THE OVERALL THERMAL PERFORMANCE OF THE UNIT. R VALUES NOTED ABOVE (R 3.92/IN) ARE REFERENCED IN ICC EVALUATION REPORT ESR 1962, FOR EXPANDED POLYSTYRENE INSULATION. THIS INSULATION IS LISTED AS THE INSULATION USED IN THE ICC ES EVALUATION REPORT ESR 4725 FOR STRUCTURAL INSULATION PANELS.	ADDRESS: ADDRESS: CITY: COUNTY: STATE: BUILDING CODE: • BUILDING CODE: • MECHANICAL CODE: • PLUMBING CODE: • ELECTRICAL CODE: • PLUMBING CODE: • ELECTRICAL CODE: • ENERGY CODE: • UNLIMITED OPENINGS IN EXTERIOR WALLS REQUIRE A MINIMUM SEPARATION OF 5'-0" BETWEEN UNITS BUILDING DATA OCCUPANCY CLASSIFICATION: IRC ACCESSORY STRUCTURE OR DWELLING UNIT TOTAL BUILDING AREA: 361 SQ FT BUILDING HEIGHT: 10'-9" CONSTRUCTION TYPE: V-B (STRUCTURAL INSULATING PANELS) CLIMATE ZONE: 1-6 (SOME CLIMATE REGIONS MAY REQUIRE ADD. INSULATION)	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 ACCESSORY DWELLING UNITS. 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.
DATE: REV: DESCRIPTION:	TESTS PASSED: • NFPA 286 CORNER BURN TEST • ASTM E84 NON-COMBUSTIBLE MATERIAL CONSTRUCTION • ICC EVALUATION REPORT ESR 4725 BOXABLINC. S345 EAST NORTH BELT ROAD NORTH LAS VEGAS. NV 89115. USA	ITA 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
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1.11 EXAMPLE NACE 1 1 P2.0 PLOADER, TANS, TANS, TANK, TA	G1.0	COVER SHEET				P1.0	PLUMBING NOTES, SYMBOLS	, AND ABBREVIATIONS				
12.22 SCHTON WORK NUMBER VIEW 1	G1.1	DRAWING INDEX				P2.0	PLUMBING PLANS (SHOWER					
6.2.3 PNI_CONSTRUCTION DECLOSE 0 0 7.30 PNI_MENTO_LASS_NENCES 0 0 0 621 ENERGY SAILS 0	G1.2	SCOPE OF WORK AND STRUCTURAL DESIGN CRITERIA				P2.1	ALTERNATE PLUMBING PLAN	S (BATHTUB)				
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4.31 PUTBOR 1: NUMERON: ANALI PROFESS 12 SLOPE 1 <td< td=""><td>A2.0</td><td>EXTERIOR ELEVATIONS - FOAM WEDGE ROOF</td><td></td><td></td><td></td><td>M2.0</td><td>MECHANICAL PLANS</td><td></td><td></td><td></td><td></td><td></td></td<>	A2.0	EXTERIOR ELEVATIONS - FOAM WEDGE ROOF				M2.0	MECHANICAL PLANS					
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A25 1X1 UNULL VALUES - CRUADITY REGION I	A2.4	EXTERIOR ELEVATIONS - SHED (MONOSLOPE) ROOF										
A26.6 1 KIL UDUL LIVAUIONS ARAREL INDOK I	A2.5	EXTERIOR ELEVATIONS - QUAD HIP ROOF	$\downarrow \downarrow$	$\downarrow \downarrow$								\square
A200 WALL SICHONS I	A2.6	EXTERIOR ELEVATIONS - PARAPET ROOF	$\downarrow \downarrow$	$\downarrow \downarrow$								\square
A3.1 GENERAL CLADDING DETAILS - LATISIONS A PANELSONG I	A3.0	WALL SECTIONS	$\downarrow \downarrow$	++								
A32 GENERAL CLADBING DETAILS - STUCCO I	A3.1	GENERAL CLADDING DETAILS - LAP SIDING & PANEL SIDING	$\downarrow \downarrow$								\downarrow	
Image: control system PECTRICAL S1 WinD vs ShOW (IMITS PECTRICAL S1.3 WinD vs ShOW (IMITS PECTRICAL S1.3 WinD vs ShOW (IMITS PECTRICAL S1.3 STEMAL vs ShOW (IMITS PECTRICAL S1.4 ALL OWART ACCESSNOW (INTERS - NO SOLAR OR ASPHALT REFROCT PECTRICAL S1.4 ALL OWART ACCESSNOW (INTERS - NO SOLAR OR ASPHALT REFROCT PECTRICAL S1.4 ALL OWART ACCESSNOW (INTERS - NO SOLAR OR ASPHALT REFROCT PECTRICAL S1.4 ALL OWART ACCESSNOW (INTERS - NO SOLAR OR ASPHALT REFROCT ON SOLAR OR ASPHALT REFROCT ON SOLAR OR ASPHALT REFROCT PECTRICAL S1.4 ALL OWART ACCESSNOW (INTERS - NO SOLAR OR ASPHALT REFROCT ON S	A3.2	GENERAL CLADDING DETAILS - STUCCO	$\downarrow \downarrow$	++							<u> </u>	
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11 WINU VS SNOW UMINTS 1 1 P1.00 SMMOUL USE, GENERAL PLANS 1	TRUCTURAL					ELECTRICAL						
51.1 WIND & SNOW LIMITS I F2.0 FLCTREAL PLANS I	S1	COVER SHEET	+	++	$ \rightarrow $	E1.0	SYMBOL LIST, GENERAL NOT	S & SPECIFICATIONS			<u> </u>	\square
S1.3 SEISMIC W. SNOW UMINIS NO SOLAR OR ASPHALI REROOT I	S1.1	WIND vs SNOW LIMITS	+ $+$	++	+	E2.0	ELECTRICAL PLANS				<u> </u>	
S1:3 SHEBMIC'S ANDOW UMUIS - NO SOLAR OR ASHALL SHOOP I	S1.2	SEISMIC vs SNOW LIMITS	+ $+$	++	+						<u> </u>	
31.4 ALLOWABLE ACCLOSING MINONS I <t< td=""><td>S1.3</td><td>SEISMIC vs SNOW LIMITS - NO SOLAR OR ASPHALT REROOF</td><td>+ $+$</td><td>++</td><td>+</td><td></td><td></td><td></td><td></td><td> </td><td><u> </u></td><td> </td></t<>	S1.3	SEISMIC vs SNOW LIMITS - NO SOLAR OR ASPHALT REROOF	+ $+$	++	+						<u> </u>	
3.1.5 WALL LEAVING HAS FASTENER INCLUME DEPLIS I 22 WALL LEAVING STONS I I 53 SLAB-ON-GRADE FOUNDATION I I 54 FOUNDATION CONNECTION HATE LAYOUT - SIDD ROOF I I 54 FOUNDATION CONNECTION HATE LAYOUT - SIDD ROOF I I 55 FOOR, WALL ROOF PANEL PLAN AND DE FAILS I I 55 HINGE BEAM DETAILS I I I 56 HINGE BEAM DETAILS I I I 57 HINGE BEAM DETAILS I I I 58 3:12 GABLE ROOF TRUSSES I I I 51 HINGE BEAM DETAILS I I I 51 10 GABLE ROOF TRUSSES I I I 51 11 GABLE ROOF TRUSSES I I I I 511 6:12 GABLE ROOF TRUSSES I I I I 513 12 GABLE ROOF TRUSSES I I I I 514 9:12 GABLE ROOF TRUSSES I I I I <tdi< td=""><td>S1.4</td><td>ALLOWABLE ACCESSORY OPTIONS</td><td>+ +</td><td>+ +</td><td>+</td><td></td><td></td><td></td><td></td><td> </td><td><u> </u></td><td> </td></tdi<>	S1.4	ALLOWABLE ACCESSORY OPTIONS	+ +	+ +	+						<u> </u>	
32 WALLELEVALUENS V	S1.5		+ +	+	+							
33 SUMAURANUE FOUNDATION I <td>S2</td> <td></td> <td>+ +</td> <td>++</td> <td>++</td> <td>_</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	S2		+ +	++	++	_						
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S18 TAPERED INSULATION ROOP PLAN W/PARAPET Image: S18 Image: S18 Image:	S17	TAPERED INSULATION ROOF PLAN	++	++	++	_						
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E: REV: DESCRIPTION: Image: State in the			+ +	++	+							
E: REV: DESCRIPTION: BOXABLINC. BOXABLINC. S345 EAST NORTH BELT ROAD NORTH LAS VEGAS, NV 89115, USA MODEL: 2 DOOR CASITA BXB-000009 HI(702) 500-9000 HELLO@BOXABL.COM												
DUAADL IINC. BXB-00009 5345 EAST NORTH BELT ROAD NORTH LAS VEGAS, NV 89115, USA BXB-00009 +1(702) 500-9000 HELLO@BOXABL.COM	DATE: REV:	DESCRIPTION:	-		ſ			MODEL: 2 DO	OR C	ASITA	4	
5345 EAST NORTH BELT ROAD NORTH LAS VEGAS, NV 89115, USA +1(702) 500-9000 HELLO@BOXABL.COM			4			JUAAE	DL IINU.	BXR-	0000)9		
5345 EAST NORTH BELT ROAD NORTH LAS VEGAS, NV 89115, USA +1(702) 500-9000 HELLO@BOXABL.COM												
NORTH LAS VEGAS, NV 89115, USA +1(702) 500-9000 HELLO@BOXABL.COM SHEET: G1.1 DRAWING INDEX			1		53	45 EAST NORT	TH BELT ROAD					
+1(702) 500-9000 HELLO@BOXABL.COM SHEET: G1.1 DRAWING INDEX			1		NOR	IH LAS VEGAS	, NV 89115, USA					
			-		1/701			SHEET: G1.1	DRA\	NING	IN	DEX
					+1(702	2) 200-9000						

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4	3
FACTORY SCOPE OF	NORK
 FACTORY SCOPE OF Y ALL EXTERIOR AND INTERIOR WALLS, FLOORS AND ROOFS A AND PRE-FINISHED. SOME TOUCH UP WORK MAY BE NECES ON-SITE. ALL INTERIOR ELECTRICAL DEVICES ARE PRE-INSTALLED AND DETECTORS, INTERNAL PENDANT LIGHT, AND EXTERIOR SCO FIELD INSTALLED. ALL INTERIOR PLUMBING WATER LINES & DRAINS ARE FACT REFRIGERATOR WATER LINE CONNECTION AND WASHER-DF ALL APPLIANCES EXCEPT FOR THE REFRIGERATOR AND WASHER-DF ALL APPLIANCES EXCEPT FOR THE REFRIGERATOR AND WASHER-DRYER UNIT SITE-INSTALLED. REFRIGERATOR AND WASHER-DRYER UNIT SITE-INSTALLED. OTHER MISCELLANEOUS COMPONENTS PER "CUSTOMER IN MUST BE FIELD INSTALLED. THESE MAY INCLUDE BUT NOT E BREAKFAST BAR COUNTERTOP COMPONENTS WASHER DRYER CABINET BOX OVER THE REFRIGERATOR CABINET MISC. ACCENT LIGHTING SMOKE DETECTORS 	WORK RE PRE-BUILT IN THE FACTORY SARY AT PANEL HINGE POINTS I TESTED EXCEPT FOR SMOKE INCE WHICH ARE PROVIDED BUT ORY INSTALLED EXCEPT FOR THE IYER INSTALLATION. HER-DRYER UNIT ARE ARE INCLUDED BUT STALL KIT" ARE INCLUDED BUT E LIMITED TO: INSTALL KIT" ARE INCLUDED BUT E LIMITED TO:
 SMOKE DETECTORS INTERIOR AND EXTERIOR TRIM COMPONENTS 	FIRE SUPPRESSION: AUTO PROV AND
	CODE:2018 IBC
FIELD SCOPE OF W	ORK <u>APPLIED LOADS</u>
 BOXABL UNITS ARE FABRICATED WITH A FLAT ROOF FOR SHOF THE OWNER/INSTALLER TO INSTALL A CODE APPROVED IN FOUNDATION SYSTEMS MAY BE REQUIRED BY YOUR LOCAL ARE FOUND IN THIS PLAN SET, MORE CAN BE FOUND AT BOTHE OWNER'S RESPONSIBILITY TO HAVE AN APPROPRIATE FOR CONDITIONS THE OWNER IS RESPONSIBLE FOR CONNECTING BOXABL UN CONNECTION SIZES & LOCATIONS CAN BE FOUND ON THE NOTHE OWNER IS RESPONSIBLE FOR ERECTING THE BOXABL HI INTERLOCKING PANELS USING HARDWARE PROVIDED PER IN SPECIFIC TO THEIR MODEL FINAL SHOWER INSTALLATION ON-SITE MAY BE REQUIRED S CAULKING. SEE SPECIFIC UNIT OWNERS MANUAL FOR DETA 	 ROOF LIVE LOAD: 20 PS PPING. IT IS THE RESPONSIBILITY SNOW LOAD: SEE T ROOF DEAD LEAD: SIP R SITE I FOR H WEIG TS TO LOCAL UTILITIES. UTILITY IEP SUBSEQUENT SHEETS. NGED PANEL SYSTEM AND STALLATION INSTRUCTIONS IJCH AS PANEL INSTALLATION OR IS.
 THE OWNER IS RESPONSIBLE FOR THE INSTALLATION OF MIXINCLUDE BUT ARE NOT LIMITED TO: THE BATHROOM MIRROUGHT SCONCES, INTERIOR PENDANT LIGHT, SMOKE DETECT DRYER UNIT, OVER THE FRIDGE CABINETRY & HIDE PANELS A COUNTERTOP. FINISH + SEAL PLUMBING VENTS ON SITE. BOXABL TO PROVINFITTINGS IN ROOF PANELS TO ACCOMMODATE THE VERTICAL 	SCELLANEOUS ITEMS WHICH MAY R, BATHROOM DOOR, EXTERIOR DR, REFRIGERATOR, WASHER ND THE BREAKFAST BARSEISMIC FACTORS:I = 1SEE TABLE AT RIGHT FOR Sms & Ss LIMITS SITE CLASS = D (default)Fa = 1.2 (MINIMUM)DE FACTORY INSTALLED HUB L PLUMBING VENTS.SITE CLASS = D (default)Fa = 1.2 (MINIMUM)BASIC SEISMIC DESIGN CATEGORYY = E (MAX ALLOWED).BASIC SEISMIC FORCE RESISTING SYSEM = LIGHT - FR. STEELR = 6.5PER ICC-ESR #4725ANALYSIS PROCEDURE: EQUIV. LATERAL FORCE
DATE: REV: DESCRIPTION:	
	BOXABL INC.
	5345 EAST NORTH BELT ROAD NORTH LAS VEGAS, NV 89115, USA
	+1(702) 500-9000 HELLO@BOXABL.COM

HELLO@BOXABL.COM

3

STRUCTURAL DESIGN CRITERIA

LIMITATIONS: WIND² - SNOW - SEISMIC⁴

PROVIDED BY AHJ

- ABL
- 000009
- E DETERMINED
- **DETERMINED**
- APPROVAL STAMP
- SE
- MPH
- DING IS NOT DESIGNED TO BE LOCATED WILDLAND-URBAN INTERFACE FIRE AREA
- OMATIC FIRE SPRINKLERS ARE NOT IDED. FIRE SPRINKLERS WILL BE REVIEWED INSTALLED UNDER LOCAL AUTHORITIES
- SF
- TABLE AT RIGHT FOR LIMITS AND SHEET S1.1 OOF: 4 PSF + 3 PSF ALLOTTED FOR INSTALLED TPO.
- HIGH-PITCHED ROOFS THE ADDITIONAL GHT VARIES. SEE S1.2 FOR ROOFING ERIAL WEIGHT LIMITS
- SF
- IMITS IN TABLE AT RIGHT.) QH = QZ = 16.0 PSF (MAX) 7-16 26.10.2

SEE FOOTNO S1.1 FOR DET OF WIND LO LOADS & SEISI AT SITE OF IN	TE 6 & SHEET ERMINATION ADS, SNOW MIC FACTORS ISTALLATION	LOW ROO	PITCH OFS	HIGH PITCH ROOFS			
WIND EX	(POSURE ¹	В	С				
MAX. AL WIND S	LOWED 5 SPEED	140 mph	120 mph	SEE SHEET S	1.1 AND S1.2		
MAXIMUM	SEISMIC CATEGORY A, B, C 40 psf		40 psf				
GROUND SNOW LOAD (Pg)	SEISMIC CATEGORY D, E, F 4	40 psf	40 psf	SEE SHEET S1.2	SEE SHEET S1.2		
	SEISMIC CATEGORY	3.00	3.00	.75 (HIGHER THAN THIS TRIGGERS CAT. D)	.75 (HIGHER THAN THIS TRIGGERS CAT. D)		
SEISMIC Sms	SEISMIC CATEGORY	3.00	3.00	SEE SHEET S1.2	SEE SHEET S1.2		
MAXIMUM	SEISMIC CATEGORY	2.50	2.50	.63 (HIGHER THAN THIS TRIGGERS CAT. D)	.63 (HIGHER THAN THIS TRIGGERS CAT. D)		
SEISMIC Ss	SEISMIC CATEGORY	2.50	2.50	SEE SHEET S1.2	SEE SHEET S1.2		

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. CASITAS LOCATED ON HILLS OR WITHIN 1,000 FT OF AN ESCARPMENT WILL REQUIRE SPECIAL EVALUATION BY THE STRUCTURAL ENGINEER.
- 3. IF LOCATED TIGHT IN AMONG CONIFER TREES MULTIPLY LOAD BY 0.83
- 4. IF SEISMIC FACTOR Ss \geq .75 / Fa (Fa = 1.2 MIN.) OR, IF SD1 \geq .2, THEN THE SITE IS CATEGORY "D" OR GREATER. SEE FOOTNOTE 6 FOR HOW TO DETERMINE THESE SEISMIC FACTORS.

- 5. BASIC (ULTIMATE) WIND SPEED AS DEFINED BY THE INTERNATIONAL BUILDING CODE.
- 6. FIND WIND SPEED, GROUND SNOW LOAD AND SEISMIC Sms & Ss VALUES AT ASCEHAZARDTOOL.ORG USING ASCE/SEI 7-16, RISK CATEGORY II, ASSUMED 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.

AMED WALLS w/SHEAR PANELS OF MGO &

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2		1	

PRE-CONSTRUCTION DISCLOSURE (DELINEATION OF PLAN REVIEW AND INSPECTION)

	CALIFORNIA FACTORY	RY-BUILT HOUSING									
	BXB-000009 - 2 DOOR CASITA - CALIFORNIA			BC	DXABL						
D	SECTION / DESCRIPTION	PL REV	AN IEW	CODE SECTION	INSPE	CTION	CODE SECTION				
		DAA	LEA		QAA	LEA					
	FBH COMPLIANCE WITH TITLE 24, CCR PARTS 2, 2.5, 3, 4, 5, 6, 11	Х		TITLE 25, CCR §3070	х	Х	TITLE 25, CCR §3070 HSC §19992				
	DESIGN CODES, DESIGN LOADS, DESIGN CRITERIA	Х		TITLE 25, CCR §3070	Х		TITLE 25, CCR §3070				
	COMPLIANCE WITH LOCAL PLANNING AND ZONING REQUIREMENTS, INCLUDES: - LOCAL ZONE USE REQUIREMENTS - LOCAL SNOW LOAD REQUIREMENTS - LOCAL WIND PRESSURE REQUIREMENTS - STATE FIRE ZONE REQUIREMENTS - LOCAL FIRE ZONE REQUIREMENTS - BUILDING SETBACK REQUIREMENTS - SIDE AND REAR YARD REQUIREMENTS - SITE DEVELOPMENT REQUIREMENTS - PROPERTY LINE REQUIREMENTS - ARCHITECTURAL AND AESTHETIC REQUIREMENTS		x	HSC §19993		X	HSC §19993				
	INSTALLATION INSTRUCTIONS AND DETAILS	Х		TITLE 25, CCR §3028		Х	HSC §19992				
~	MECHANICAL, ELECTRICAL, PLUMBING, STRUCTURAL, FIRE SAFETY, FIRE PROTECTION, FIRE ALARM SYSTEMS AND COMPLIANCE WITH CALIFORNIA GREEN AND ENERGY CODES; FACTORY-BUILT COMPONENTS	x		TITLE 25, CCR §3070	Х		TITLE 25, CCR §3070				
م	MECHANICAL, ELECTRICAL, PLUMBING, STRUCTURAL, FIRE SAFETY, FIRE PROTECTION, FIRE ALARM SYSTEMS AND COMPLIANCE WITH CALIFORNIA GREEN AND ENERGY CODES; INTER-MODULAR CONNECTIONS	x		TITLE 25, CCR §3070		Х	HSC §19992				
	MECHANICAL, ELECTRICAL, PLUMBING, STRUCTURAL, FIRE SAFETY, FIRE PROTECTION, FIRE ALARM SYSTEMS AND COMPLIANCE WITH CALIFORNIA GREEN AND ENERGY CODES; SITE-BUILT COMPONENTS		х	TITLE 25, CCR §3070		х	HSC §19992				
	GRADING AND EXCAVATION		Х			Х	HSC §19992				
	SITE PLAN: FOR THE ONLY PURPOSE OF CHECKING FIRE-RATING OF EXTERIOR WALLS	Х		TITLE 25, CCR §3070	Х		TITLE 25, CCR §3070				
	SITE PLAN: ALL OTHER ELEMENTS OF SITE PLAN		Х	HSC §19993		Х	HSC §19993				
	CUSTOM FOUNDATIONS		Х	TITLE 25, CCR §3028		Х	HSC §19992				
	PRE-APPROVED FOUNDATIONS	Х				Х					
	FACTORY-BUILT UNITS CONNECTIONS TO THE FOUNDATION	Х		TITLE 25, CCR §3028		Х	HSC §19992				
	FACTORY-BUILT UNITS CONNECTIONS TO SITE-BUILT STRUCTURES	Х		TITLE 25, CCR §3028		Х	HSC §19992				
	FIRE SPRINKLERS (IF REQUIRED)		Х	TITLE 25, CCR §3070		Х	HSC §19992				
	SITE -BUILT STRUCTURES (BASEMENTS, DECKS, GARAGES, STAIRS, RAMPS, RAILS, ETC.)		Х			Х	HSC §19992				
D	CONNECTIONS TO PUBLIC UTILITIES		Х			Х	HSC §19992				
D	ALL FINISH WORK THAT WAS NOT INCLUDED IN THE FACTORY-BUILT UNITS OR REQUIRED TO BE DONE AFTER INSTALLATION (PAINTING, FLOORING, ROOFING, SIGNAGE, ETC.)	х		TITLE 25, CCR §3028		Х	HSC §19992				
	CUSTOM PITCHED OR TRUSSED ROOF CONSTRUCTION AND ROOFING		Х			Х					
	PRE-APPROVED PITCHED OR TRUSSED ROOF CONSTRUCTION & ROOFING	Х				Х					
	EXTENSION OF VENT PIPES THROUGH AND ABOVE SITE INSTALLED PITCHED OR TRUSSED ROOF	Х				Х					
	INSTALLATION AND TESTING OF SMOKE DETECTOR - CO ALARM COMBO	Х				Х					
	INSTALLATION AND TESTING OF OUTDOOR HVAC CONDENSING UNIT	Х				Х					
	FLUSHING OF PEX LINES	Х				Х	CA PLUM CODE 604.1.2				

ATE:	REV:	DESCRIPTION:

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NOTE	<u>S:</u>
1. V C R	VHEN DRAWINGS AND OTHER DOCUMENTS INCLUDE BOTH FACTORY BUILT AND SITE BUILT CONSTRUCTION, DAA'S APPROVAL STAMP APPLIES ONLY THE ITEMS MARKED TO BE EVIEWED BY DAA IN THE LIST ABOVE.
2. F A	OR ANY ITEMS NOT INCLUDED IN THE LIST ABOVE, PLAN REVIEW AND INSPECTION WILL BE CCORDING TO THE FOLLOWING RULES:
2.A. 2.B. 2.C. 3. S	FACTORY BUILT ELEMENTS WILL BE REVIEWED BY DAA AND INSPECTED BY QAA CONNECTIONS BETWEEN FACTORY BUILT COMPONENTS OR BETWEEN FACTORY BUILT AND SITE BUILT COMPONENTS WILL BE REVIEWED BY DAA AND INSPECTED BY LEA. SITE BUILT ELEMENTS WILL BE REVIEWED AND INSPECTED BY LEA EXCEPT FOR STRUCTURAL (SEE FOOTNOTE 3) TRUCTURAL DRAWINGS AND CALCULATIONS (EXCLUDING FOUNDATIONS) WILL BE ENTIRELY EVIEWED BY DAA TO MAINTAIN THE TRUCTURAL INTEGRITY OF THE STRUCTURE.
3.A. 3.B. 3.C. 4. A 5. S	LEA WILL REVIEW FOUNDATION PLANS AND CALCULATIONS. QAA WILL INSPECT FACTORY BUILT STRUCTURAL ELEMENTS. LEA WILL INSPECT ALL FIELD CONSTRUCTION AND CONNECTIONS. ALL OTHER SITE WORK NOTE MENTIONED ABOVE WILL BE REVIEWED AND INSPECTED BY LEA EE PRE-APPROVED FOUNDATION & ROOF DESIGNS ON STRUCTURAL SHEETS
	ABBREVIATIONS
FBH	FACTORY-BUILT HOUSING
HCD	CALIFORNIA DEPARTMENT OF HOUSING AND COMMUNITY DEVELOPMENT
DAA	HCD APPROVED DESIGN APPROVAL AGENCY
QAA	HCD APPROVED QUALITY ASSURANCE AGENCY
LEA	LOCAL ENFORCING AGENCY

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D				(1)	SIP PANI INTERIO						
				F							
	1	WALL	MOUNT	ed smok							
	2	VENT	LESS CON	ABO WAS	HER/DR	YER UNIT					
	3	WASH UNIT	IER OUTL	ET BOX. I	RUN HOS	SES THRU PARTITIC	NS TO CONI	NECT TO W	ASHER/DRYER		
	4	30" x SEE SH	60" SHO\ HEET P2.(WER WITI 0 + P3.0 F	H 2" CUR OR SHO	RB. WER; SHEET P2.1 -	-P3.1 FOR BA	THTUB			
	5	BATH NON-/	TUB AND Absorbe	/OR SHO ENT SURF	WER FLC ACE 6'-0'	OORS OR WALLS SH '' A.F.F.	ALL BE FINIS	HED WITH	A		
						NOTES					
С	• SE	E MAN	NUFACTU	IRER'S DR	AWINGS	FOR UTILITY CON	NECTIONS, P	ANEL DETA	ILS, MODULAR		
	• FII TC	NAL DI DLERAI	MENSION NCES	NS ARE W	'ITHIN ±	1" OF DIMENSION	S SHOWN BA	SED ON M	ANUFACTURING		
]	NATU	RALL	IGHT	SCHEDULE	(8% RE		ED)		
				BASEL) OFF :	2018 IRC, SEC	TION R30	3.1			
	ROOM		TOT SQ.	AL FT.	L NATURAL LIGHT F. PROVIDED		AL LIGHT UIRED	ACTUAL PERCENTAGE			
	LIVII	NG ARE	ĒA	208	SF	54 SF	16.	64 SF	26%		
	KITCHEN 66		66 9	SF	12 SF	5.28 SF		18%			
		NAI	UKAL					$\frac{6}{2}$ KEQU	JIKEDJ		
		LIVII	NG RO	OM & P	KITCHE	N CONSIDERE	D AN AD	3.1 IOINING	SPACE		
В	R	00M		tot SQ.	AL FT.	WINDOW VENT SQ. FT. PROVIDED	VENTILATION REQUIRED		ACTUAL PERCENTAGE		
	LIVII KI ⁻	NG ARE	ĒA	274	SF	27 SF	1	1 SF	9.9%		
	Т	OILET		44 \$	SF	0 SF *	MECH 70	. VENTED CFM	N/A		
	* /	ARTIFIC	CIAL LIGH	t and ve	NTILATI	ON PROVIDED PER	EXCEPTION	OF IRC SEC	TION R303.3		
								WIN		OR SCHEDU	ILE
	NUME	BER	PRO	DUCT	CON	FIGURATION	SIZE		MATERIAL	U-FACTOR	SOLAR HEAT GAIN (SHGC)
		•	WIN	DOW	SI	NGLE HUNG	3'-0" X 6	'-0"	VINYL	0.29	0.23
	2	•	WIN	DOW		FIXED	3'-0" X 4	-'-0"	VINYL	0.26	0.25
	3	•	WIN	DOW		FIXED	3'-0" X 2	'-0''	VINYL	0.26	0.25
	D1		DC	OR	EI	NTRY DOOR	3'-0" X 8	-0"	FIBERGLASS	0.17	0
	D2		DC	OR	ТС	DILET DOOR	2'-8" X 8	.'-0"		0	0
Α	D3		DC	OR	R	EAR DOOR	3'-0 X 8'	-0"	FIBERGLASS	0.17	0
	DATE:	RE\	/:	DESC	RIPTIO	N:				_	
									_	DUXAD	





NOTES

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: DESCI	RIPTION:							1		
DOOR	REAR DOOR	3'-0 X 8'-0"	FIBERGLASS	0.17	0	+55/-60				
DOOR	TOILET DOOR	2'-8" X 8'-0"		0	0	0	SWINGING DOOR			
DOOR	ENTRY DOOR 3'-0" X 8'-0"		FIBERGLASS	0.17	0	+55/-60				
WINDOW	FIXED	3'-0" X 2'-0"	VINYL	0.26	0.25	+20/-20				
WINDOW FIXED		3'-0" X 4'-0"	VINYL	0.26	0.25	+20/-20				
WINDOW	WINDOW SINGLE HUNG		VINYL	0.29	0.23	+20/-20				

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

+1(702) 500-9000

HELLO@BOXABL.COM

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

MODEL: 2 DOOR CASITA BXB-000009	PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF BOXABL INC. ANY REPRODUCTION IN PART	
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O BE PROTECTED S NOT LESS THAN 1/4"	GENERA CEMENT F ACCEPTA	L EXTERIOR WALL SIDING NOTES (REFER TO A PLASTER (MAX. WT = 6 PSF) OR CEMENT FIBER PANEL BLE OPTIONS.	3.1 + A3.2 FOR CLADDING DETAIL S (HARDIE, LP, OR SIMILAR) ARE	<u>S):</u>	
	FOR CEME	ENT PLASTER: ATTACHED LATH OVER PAPER BACKING CING SHEET METAL SCREWS AT 9" OC EA WAY.	TO WALL WITH WAFER HEAD STYLE #10)	
LASHING TAPE TO ALL TURER'S INSTALLATION	ATTACHN SCREWS A	1ENT FOR CEMENT FIBER PANELS: WAFER HEAD STYLI AT 9" O.C. EA WAY.	#10 SELF-PIERCING SHEET METAL		
MENDATIONS	J FASTENER STAINLES VERY HUN	IN BOTH CASES SHOULD BE CORROSION RESISTANT S STEEL IS PARTICULARLY IMPORTANT FOR LOCATION WID CLIMATES.	, GALVANIZED, OR STAINLESS STEEL. S NEAR THE OCEAN, LARGE LAKE, OR IN		
	CEMENT F INSTALLA DRAWING	PLASTER AND CEMENT FIBER PANELS TO BE INSTALLE TION PROCEDURES. CLADDING DETAILS ARE SHOWN SS.	D PER THE MANUFACTURER'S ON THE SITE-SPECIFIC ARCHITECTURAL		
MODEL	2 DC	OR CASITA	PROPRIETARY AND CON	IFIDENTIAL	
	BXB	-000009	THE INFORMATION CON IN THIS DRAWING IS THE PROPERTY OF BOXABL IN REPRODUCTION IN PART	ITAINED E SOLE NC. ANY	
SHEET:	A2.0	EXTERIOR ELEVATIONS - FOAM WEDGE ROOF	OR AS A WHOLE WITHO WRITTEN PERMISSION C BOXABL INC. IS PROHIBI	UTTHE)F TED.	BOXABL







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PRE-FABRICATED WALL PANEL

5/16" TH APA RATED EXTERIOR

GRADE PLYWOOD SHEATHING ATTACHED TO PRE-FABRICATED SIP

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\A3.1

6" SIP

WALL PANEL

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SHEET: A3.1 GENERAL CLADDING DETA - LAP SIDING & PANEL SIDI	ILS WRITTEN PERMISSION OF NG	BOXABL
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GENERAL

- 1. ALL WORK SHALL BE IN ACCORDANCE WITH ALL AUTHORITIES HAVING JURISDICTION AND SUBJECT TO INSPECTION.
- 2. HOOK-UP CHARGES, PERMITS AND ALL OTHER EXPENSES RELATED TO COMPLETE AND FUNCTIONING PLUMBING SYSTEM ARE INCLUDED AS P. THE PLUMBING WORK.
- 3. ALL AUTHORITIES HAVING JURISDICTION SHALL BE NOTIFIED AT LEAST WORKING DAYS PRIOR TO COMMENCEMENT OF WORK.
- 4. THE WORK INCLUDED PROVIDING THE PLUMBING SYSTEM AND PROVID NEW MATERIALS, FITTINGS AND ACCESSORIES NECESSARY FOR A COM FUNCTIONING PLUMBING SYSTEM.
- 5. THE INTENT OF THE DRAWINGS IS TO INDICATE THE GENERAL EXTENT WORK REQUIRED FOR THE PROJECT. THE DRAWINGS FOR PLUMBING ARE DIAGRAMMATIC, SHOWING THE GENERAL LOCATION, TYPE, FIXTUR EQUIPMENT REQUIRED. THE DRAWINGS SHALL NOT BE SCALED FOR E MEASUREMENTS. REFER TO MANUFACTURER'S STANDARD ROUGH-IN DRAWINGS FOR PLUMBING FIXTURES FOR EXACT LOCATIONS.

BASIC MATERIALS AND METHODS

- 1. MATERIALS SHALL BEAR UNDERWRITER LABEL WHERE SUCH STANDAR HAVE BEEN ESTABLISHED AND LISTED BY UNDERWRITER LABORATORII MATERIALS, EQUIPMENT AND APPLIANCES SHALL CONFORM TO THE LA STANDARDS OF: -AMERICAN NATIONAL STANDARDS INSTITUTE ANSI
- ASHRAE -AMERICAN SOCIETY OF HEATING, REFRIGERATION AN CONDITIONING ENGINEERS
- ASME -AMERICAN SOCIETY OF MECHANICAL ENGINEERS ASTM -AMERICAN SOCIETY FOR TESTING ENGINEERS NATIONAL ELECTRICAL MANUFACTURER'S ASSOCIATIO NEMA

COORDINATION

- 1. COORDINATE WITH THE WORK OF OTHER TRADES.
- 2. REFER TO ARCHITECTURAL DRAWINGS OR CONSULT ARCHITECT FOR LOCATION OF FIXTURES, EQUIPMENT, ETC., AND FINAL FINISHED ELEVA PRIOR TO ANY INSTALLATION WORK.
- 3. COORDINATE WITH GENERAL CONTRACTOR WHO SHALL CONSULT WIT OWNER FOR ALLOWABLE DAYS THAT WORK CAN BE PERFORMED AND SCHEDULE SYSTEM SHUT DOWNS AS REQUIRED FOR RELOCATION OF RISERS. ETC.

INSTALLATION - GENERAL

- 1. LISTED AND APPROVED THROUGH PENETRATION SYSTEM SHALL BE US ALL PLUMBING PENETRATIONS OF FIRE RATED ASSEMBLIES.
- 2. EXPOSED PIPING IN FINISHED AREA SHALL BE WITH CHROME PLATED ESCUTCHEON AT PIPE ENTRY TO FINISHED AREA.
- 3. ALL PIPING SHALL BE CONCEALED IN CABINETS AND FIXED FURNISHING UNLESS OTHERWISE INDICATED.
- 4. CUT AND PATCH EXISTING FLOOR, WALL OR CEILING CONSTRUCTION A REQUIRED FOR THE INSTALLATION WORK.
- 5. SLEEVE OR CORE-DRILL FLOOR SLABS, WALLS, ETC. AS REQUIRED FOR PIPING AND FIRE STOP OPENING AROUND PIPE. VERIFY LOCATION OF STRUCTURAL BEAMS, JOIST, ETC. BEFORE DRILLING.
- 6. WHEREVER FOUNDATION WALLS, OUTSIDE WALLS, ROOF, ETC. ARE PENETRATED FOR INSTALLATION OF SYSTEMS, THEY SHALL BE PATCHI MATCH EXISTING CONSTRUCTION AND SEALED WEATHER TIGHT. WOR SHALL BE PERFORMED BY CRAFTSMAN SKILLED IN THEIR RESPECTIVE TRADES
- 7. ALL PIPING SHALL BE RUN PARALLEL TO BUILDING LINES AND SUPPORT AND ANCHORED AS REQUIRED TO FACILITATE EXPANSION AND CONTRACTION. ALL PIPING SHALL BE CONCEALED EXCEPT IN UNFINISH SPACES. INSTALL AS REQUIRED TO MEET ALL CONSTRUCTION CONDIT AND TO ALLOW FOR INSTALLATION OF OTHER WORK INCLUDING DUCTS AND ELECTRICAL CONDUIT. AT ALL CONNECTIONS BETWEEN FERROUS PIPING AND NONFERROUS PIPING, PROVIDE AN ISOLATING DIELECTRIC UNION.
- 8. PROVIDE ALL FITTINGS, ACCESSORIES, OFFSETS AND MATERIALS NECESSARY TO FACILITATE THE PLUMBING SYSTEMS FUNCTIONING AS INDICATED BY THE DESIGN AND THE EQUIPMENT INDICATED.
- 9. PIPING ROUTED IN EXTERIOR WALLS SHALL BE ROUTED ON THE INTERIOR SIDE OF BUILDING WALL INSULATION.
- 10. ACCESS PANELS SHALL BE PROVIDED WHERE CONCEALED CONTROL DEVICES, VALVES, CLEANOUTS, ETC. ARE CONCEALED WITHIN CEILINGS AND WALLS. WHERE ACCESS FOR ADJUSTMENT AND MAINTENANCE IS POSSIBLE THRU LAY-IN SUSPENDED CEILINGS, ACCESS PANELS ARE NOT REQUIRED.

DATE:	REV:	DESCRIPTION:		
			BOXA	BL INC.
			5345 FAST NOI	RTH BELT ROAD
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	11. THOROUGHLY CLEAN ITEMS BEFORE INSTALLATION, CAP PIPE OPENINGS TO	F	PLUMBING SYMBOLS
	EXCLUDE DIRT UNTIL FIXTURES ARE INSTALLED AND FINAL CONNECTIONS	CWS	
	INSTALL SUPPLIES IN PROPER ALIGNMENT WITH FIXTURES. INSTALL SILICONE		
A	SEALANT BETWEEN FIXTURES AND ADJACENT MATERIAL FOR SANITARY		
ARTOF	JUINT.	V	SANITARY VENT PIPING
	DOMESTIC WATER PIPING		
THREE	1 PROVIDE PRESSURE REDUCING VALVE ON PLUMBING SYSTEMS WHERE THE		
	INCOMING WATER SERVICE PRESSURE IS IN EXCESS OF 80 PSI.		SANITARY VENT PIPING
		BEP	BACKELOW PREVENTER
	HAMMER ARRESTORS PER DRAWINGS.	CO	
05		CP	
WORK	3. PROVIDE ISOLATION VALVES FOR EACH BRANCH OFF MAIN SUPPLY.	DN	DOWN
RE AND	4. SHUT-OFF VALVES WITH UNIONS SHALL BE PROVIDED FOR SERVICE TO EACH	DW	DISHWASHER
EXACT	PLUMBING FIXTURE OR OTHER EQUIPMENT ITEM TO FACILITATE ISOLATION	FT	EXPANSION TANK
		ED ED	
	5. VALVE LOCATION TAGS REQUIRED ON ALL SHUT-OFFS AND LOCATION CHART	GALV	GALVANIZED
	REQUIRED.	INV. FL.	
RDS	6. THE DOMESTIC WATER SYSTEM SHALL BE FLUSHED, PRESSURE TESTED AND	IM	
ES, INC. ATEST	PURIFIED. TEST WATER UNDER 80-100 PSIG HYDROSTATIC PRESSURE FOR 15 MINUTES MINIMUM WHEN TESTING INDICATES MATERIALS OR WORKMANSHIP	LAV	
	IS DEFICIENT, REPLACE OR REPAIR AS REQUIRED, AND REPEAT UNTIL	NC	
	STANDARDS ARE ACHIEVED. ALL PIPING SYSTEMS SHALL BE SUBJECTED TO	PRV	
DAIR	LOCAL AUTHORITIES.	PSIG	POUNDS PER SQUARE INCH
		s s	SANITARY
N	7. HOT WATER PIPING SHALL BE INSULATED AND HAVE A MINIMUM WALL THICKNESS OF NOT LESS THAN THE DIMETER OF THE PIPE PER 2022 CPC	SHR	SHOWER
	609.12.2.	SK	SINK
	SANITARY SEWER STORM SEWER AND VENT PIPING	TMV	THERMOSTATIC MIXING VALVE
	CANTART DEWER, OTORIN DEWER, AND VERT THINKS	V	VENT
	1. ALL OPENINGS IN DRAINAGE AND/OR VENT SYSTEMS AS A RESULT OF	VTR	
	PLUG THAT IS SECURELY LOCKED IN PLACE UNTIL FINAL FINISHED	W	WASTE
	CONNECTIONS ARE INSTALLED.	WC	WATER CLOSET
H THE	2 PROVIDE PVC VENT PIPING THRU ROOF PER DETAILS ON ARCHITECTURAL	WH	WATER HEATER
то	SHEETS.		
	3 CONDENSATE AND INDIRECT DRAIN PIPING SHALL BE TYPE PVC OR CLEAR		LINE SIZE BALANCING VALVE
	 4. DRAINAGE PIPING UNDERGROUND AND OUTSIDE THE BUILDING SHALL BE PVC 	φ	LINE SIZE BALL VALVE (2'' & SMALLER) OR LINE BUTTERFLY VALVE (2-1/2'' & LARGER)
	PIPE AND FITTINGS. (ALTERNATE MATERIALS MAY BE ALLOWED IF APPROVED	N	LINE SIZE CHECK VALVE
SED ON	BY LOCAL CODE AUTHORITIES.)		LINE SIZE UNION
	5. DRAINAGE PIPING INSIDE THE BUILDING SHALL BE PVC PIPE AND FITTINGS	S_	
	WITH SCHEDULE 40 PVC VENTS TO A VENT THRU ROOF.		
35	6. PROVIDE CLEANOUTS AT THE END OF EACH HORIZONTAL RUN, AND AT THE BASE OF ALL VERTICAL WASTE AND DRAIN PIPES. CLEANOUTS SHALL BE OF	 ·	PRESSURE RELIEF VALVE
00	THE SAME SIZE AS THE PIPES THEY SERVE. FIELD VERIFY LOCATION OF ALL		REDUCER
S	EXISTING CLEANOUTS AND ADJUST TO NEW FINISHED FLOOR ELEVATIONS AND PROVIDE ACCESS PANELS FOR ALL WALLS AND CEILINGS.	Щ	THERMOMETER
२	 ALL DRAINAGE PIPING SHALL BE UNIFORMLY PITCHED, 1/4" PER FOOT UNLESS OTHERWISE REQUIRED BY EXISTING CONDITIONS, MINIMUM SLOPE SHALL BE PER CODE. 		
	8. ALL FLOOR DRAINS SHALL BE CONNECTED TO THE SANITARY SEWER SYSTEM.		
ED TO	9. THE DRAINAGE SYSTEMS SHALL BE FLUSHED AND PRESSURE TESTED.		
K	SUBSTITUTIONS		
	1. THE NAMING OF MANUFACTURER'S IN THE SPECIFICATIONS SHALL NOT BE CONSTRUED AS ELIMINATING THE MATERIALS, PRODUCTS OR SERVICES OF OTHER MANUFACTURER'S AND SUPPLIERS HAVING EQUIVALENT ITEMS. ANY SUBSTITUTED ITEMS MUST BE EQUAL TO THOSE SPECIFIED, PROVIDE COST SAVINGS AND BE AVAILABLE TO MEET THE CONSTRUCTION SCHEDULE.		

COLD WATER SUPPLY PIPING HOT WATER SUPPLY PIPING SANITARY WASTE PIPING SANITARY VENT PIPING COLD WATER SUPPLY PIPING HOT WATER SUPPLY PIPING SANITARY VENT PIPING BACKFLOW PREVENTER CLEANOUT CHROME PLATED DOWN DISHWASHER EXPANSION TANK FLOOR DRAIN GALVANIZED INVERT ELEVATION ICE MAKER LAVATORY NEW CONNECTION PRESSURE REDUCING VALVE POUNDS PER SQUARE INCH SANITARY SHOWER SINK THERMOSTATIC MIXING VALVE VENT VENT THRU ROOF WASTE WATER CLOSET WATER HEATER LINE SIZE BALL GATE VALVE LINE SIZE BALANCING VALVE LINE SIZE BALL VALVE (2" & SMALLER) OR LINE SIZE BUTTERFLY VALVE (2-1/2" & LARGER) LINE SIZE CHECK VALVE LINE SIZE UNION PRESSURE REDUCING VALVE PRESSURE RELIEF VALVE REDUCER THERMOMETER

SHEET:

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PLUMBING NOTES, SYMBOLS & ABBREVIATIONS MODEL: 2 DOOR CASITA **PROPRIETARY AND CONFIDENTIAL** THE INFORMATION CONTAINED BXB-00009 IN THIS DRAWING IS THE SOLE PROPERTY OF BOXABL INC. ANY **REPRODUCTION IN PART**

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	PLUMBING P	LANS	
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	FIXTU	URE		ТҮРЕ	MFG'R.	MODEL NO.	COLOR	FAUCE	Т	Г	rap	TRIM		SUPPLY FITTING		
	W	С	WAT	ER CLOSET	SANIFLO	083 & 005	WHITE	N/A		INTE		N/A		3/8"	1.2	28 GALL
D		V	1.0		REFIER	BI 6790BH			<u>л</u>			MATTE		2/8"		
-		.v			DEELEE	BL0790BH			VI		N/A	BLACK		5/0		
	К	s	KITCH	IEN FAUCET	MOEN	5925BL	MATTE BLA	CK 1.5 GPI	М		N/A	MATTE BLACK		3/8"		
	SH	4	SI	HOWER	MOEN	T2472EPBL	MATTE BLA	CK 1.75 GP	M		N/A	MATTE		1/2"		
											,	BLACK		,		
	ww	′B-1	WASHE	ER WALL BOX	SIOUX CHIE	688-G10	WHITE	N/A			N/A	N/A		2 @1/2"		
	NOTE: F	FIXTURES	TO BE P	ROVIDE BY MAN	IUFACTURER /	AS SCHEDULED OR A	N APPROVED	EQUIVALENT.								
							,		2 F		TER	SCH				
							1					301			1	
	DESI	G'N	TVPF	MEG'R	MODEL		FIRST HOUR	R	ELEC	CTRICAL		REC	OVERY		\/ΔR	RANTY
	DESI	U N.		WING N.	WODEL	CAPACITY	GALLONS	KW	VO	OLTAGE	PHASE	AT 80)°F RISE			
	WH	I-1	TANK	BRADFOR	D RE130	.6 28	45	4.5		240	SINGLE		23	YES	١	/ES
	NOT	E: WATER	HEATER	R TO BE MANUE	ACTURED BY E	BRADFORD WHITE C	│)R AN APPRO\	/ED EQUAL.								
		WATER	HEATER	IS UNVENTED TYP	PE AND IS NOT	PROVIDED WITH A FL	UE COLLAR. WA	TER HEATER DOE		HAVE A V	ENT CONNEC	CTION PER N	/IANUFA	CTURER INSTALLA	ATION N	ЛАNUAL
		REQUIR		OR ELECTRIC WA		NTILATION. PER CPC	SECTION 509.2	.1, VENTING IS NO	I REQU	UIKED.						
						WATER	SUPPLY F	IXTURE UN	ITS							
•						Туре	of	Load Values	in wate	er supply f	ixture units	Total Load V	/alues in	water supply fixtu	ıre	
C	Quantity	Fixture	e Tag	Fixture	Occ	upancy Supp	ly Control	(wsfu)	Hot	То	tal (units (wsfu)	Hot	Total		
		1 DW		Dishwashing mac	hine Priv	ate Autor	natic	0.00	TIOL	1.40	1.40	0.0	00	1.40	1.40	THE
		1 IM		Ice Macine	Priv	ate 3/8" \	alve	0.25		0.00	0.25	0.2	25	0.00	0.25	REA AND
		1 KS		Kitchen sink	Priv	ate Fauc	et et	1.00		1.00	1.40	1.0	00	1.00	1.40	30°F
		1 LAV		Lavatory Shower head	Priv	ate Fauc ate Mixin	et a valve	0.50		0.50	0.70	0.8	50 D0	0.50	0.70	
		1 WM		Washing machine	e (8 lb) Priv	ate Autor	natic	1.00		1.00	1.40	1.(00	1.00	1.40	VAC HEA
		1 WC		Water closet	Priv	ate Flush	i tank	2.20		0.00	2.20	2.2	20	0.00	2.20	ORI
						Total	WSFU					5.9	95	4.90	8.75	
						DRAII	NAGE FIXTURE	UNITS								A.S
								Drainage Fixture	Unit	Minimu	um Size of Tr	ap Tota	Drainag	e Fixture Unit		PRI
	Quantity	/ Fixture T	ag Fixtu	re Type				Value As Load Fa	ctors		(inches)	Va	lue As L	oad Factors	-	RE
	1	1 WM	Autor	natic clothes was vashing machine	hers, residentia			2.00			2.00		2.	00	PI	PE OUT
	1	1 KS	Kitch	en sink, domestic	domootio			2.00			1.50		2.	00		WAT
	1	1 LAV	Lavat	ory				1.00			1.25		1.	00		
	1	1 SH1	Show Wate	ver Flow Rate 5.7 (r closet private (1	gpm or less			2.00			1.50		2.	00		
B		IVVC	vvale		.o gpi)			5.00					5.	00		
-			Total	DFU's									12	.00		
	÷	HOT WATER OU			TEMPERATURE AND F	RESSURE	General Features	3								
		TO APPLIAN COMBINATIO	NCES				Rated Nominal Volum	e (Gallons):			28	Performan	ce			
		ELECT	RICAL CONDU			HUT-OFF VALVE OPEN DURING	DOE Rated Storage Vo	olume (Gallons):			23	Element Watts				
		REMOVAE	BLE PLATE FO	OR 9		LATER OPERATION)	Fuel Type:				Electric	First Hour Deliv	very Rating (Gal.):		
		WIRING DIAC	GRAM LOCAT	ED		I DIPTUBE-COLD FITTING	Connectivity:			Not V	WiFi Compatible	Recovery at 90	°F Rise (GPH):			
		REMOV	ABLE ELEME													
		THERN	IOSTAT(S) A		RELIEF VALV		Weights and Dim	nensions				Venting and	d Connectior	n Requirements		
			DRAIN VAL	VE	DRAIN AS ILL	JSTRATED)	Overall Height (in.):				31.813	Venting:				Nor
	DR	DRAIN AS I	LLUSTRATED				Height (Floor To Top o	of Heater - in.):			29.563	Water Connect	ion Size (in.):			3
]	Figure 1A (Top I	nlet Models)		Jacket Diameter (in.): Weight (lbs.):				20					
					-											
					Ľ	VUIVIESTIC W	AIEK HEA	AIEK IECHI	NICA	AL INF	UKIVIAI	ION				
Α					N	UT TO SCALE										
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FIXTURE		TYPE			1FG'R.			N	10DEL NO.			COL	_OR	F	AUCE	T		TRAP	Т	RIM	
WC		WATER CL	OSET	SA	NIFLO			C	083 & 005			WH	IITE		N/A		INT P-	ERGRAL -TRAP	1	N/A	
LAV		LAVATO	RY	В	EELEE			E	3L6790BH			MATTE	BLACK	1	2 GPI	м		N/A	M B	ATTE _ACK	
KS		KITCHEN FA	UCET	N	/IOEN				5925BL			MATTE	BLACK	1	5 GPI	м		N/A	M Bl	ATTE _ACK	
ВТ		TUB/SHO	WER	FAUC FIXTURE:	et: MC Aqua)EN MATIC	F FIXTURE	AUCI : 603	ET: T2473EP 2STTM OR 2	BL 603SN	FAUC 1TH FIXT	CET: MA URE: P	ATTE BLA ER OWNE	CK ER 1.	.75 GP	M		N/A	M Bi	ATTE _ACK	
WWB-1	v	VASHER WA	LL BOX	SIOU	JX CHI	ĒF			688-G10			WH	IITE		N/A			N/A	1	N/A	
NOTE: FI)	XTUI	RES TO BE P	ROVIDE	BY MANUF.	ACTUR	ER AS SC	HEDULED	OR A	N APPROVE	D EQU	IIVALENT.										
										W	ATE	R F	IEA	TER	S	CHE	ED	ULE			
DESIG'	N.	TYPE		MFG'R.	MOD	DEL NO.	STORA GALLC CAPAC	.GE DN ITY	FIRST HOU RATING GALLONS	JR S	KW	ELEC VO	CTRICAL	PHASI	E	RECOV AT 80°F	ERY RISE	TANK LINI	NG W	/ARR	ΑΝΤ
WH-1	1	TANK	В	RADFORD WHITE	RE1	L30L6	28		45		4.5		240	SINGL	E	23		YES		YE	S
NOTE:	WA WA	TER HEATE	R TO BE	MANUFACT	URED ND IS N	BY BRAD OT PROV	FORD WH	IITE C	OR AN APPRO	OVED E	EQUAL. HEATER DOE	ES NOT	HAVE A VI	ENT CONNE	CTION	PER MAI	NUFAC	TURER INST	ALLATIC	N MA	ANUA
	REC	UIREMENT	OR ELEC	TRIC WATER	HEATE	R VENTILA	ATION. PER	R CPC	SECTION 509.	.2.1, VE	NTING IS NO	OT REQU	JIRED.								
							WAT	ER	SUPPLY	FIXT			ar europhu f	ivturo unito	Total	l oad Val		water cupply	fivture		
Quantity	Fi	xture Tag	Fixture			Occupan	су	Supp	bly Control		∟oau values (wsfu) Cold	un wate	supply t		units	∟oad Vali (wsfu)		water supply			
	1 D'	W	Dishwas	hing machin	е	Private		Auto	matic		0.00	Hot D	To 1.40	1.40	Cold	0.00	HOT	1.40	. <u>.</u> 1	.40	
	1 IN	1	Ice Maci	ine		Private Drivate		3/8"	valve		0.25	5	0.00	0.25		0.25		0.00	0	.25	THE
	1 KS	AV	Lavatory	SINK		Private Private		Fauc	cet		0.50))	1.00 0.50	1.40 0.70		1.00 0.50		1.00 0.50	1 C	.40 .70	AND
	1 B	Г	Tub/Sho	wer		Private		Mixir	ng valve		1.00	כ	1.00	1.40		1.00		1.00	1	.40	30°F
	1 W	/M /C	Washing Water c	g machine (8 loset	lb)	Private Private		Auto Flusl	matic h tank		1.00 2.20))	1.00 0.00	1.40 2.20		1.00 2.20		1.00 0.00	1	.40 .20	VAC HEA
								Total	IWSFU							5.95		4.90	8	9.75	OR E
								DRAII	NAGE FIXTUF		TS										
Quantity	Fixtu	ure Tag Fixtu	re Type							Drai Value	inage Fixture e As Load F	e Unit actors	Minimu	um Size of T (inches)	rap	Total D Value	rainage e As Lo	Fixture Unit			A.S. PRE
1	WM	Auto	matic clo	thes washers	s, reside	ential				Value	2.00			2.00		Value	2.0	0			REI
1	DW	Dish	washing r en sink	nachine, dor domestic	nestic						2.00			1.50			2.0	0	!	PIPE	OUTI
1	LAV	Lavat	ory	donnoodio							1.00			1.25			1.0	0		V	VATE
1	BT	Tub/s	Shower F	low Rate 5.7	gpm or	less					2.00			1.50			2.0	0			
1	WC	vvate	er closet,	private (1.6 g	jpi)						3.00						3.0	0			١
		Total	DFU's														12.0	00			
HOT WAT TO A	TER OL			TEMPERAT RELIEF VA	IURE AND I	PRESSURE			General Features												
COM	IBINAT	ION ANODE-HOT OUTLET FITTING		57			TER SUPPLY		Rated Nominal Volume (G	Gallons):				28 F	Performar	nce					45(
PE	ELECT				WATER H	OPEN DURIN	G ATION)		Fuel Type:	ne (ounono).				Electric F	irst Hour De	livery Rating (Gal	.):				4
WIRIN		GRAM LOCATED_				N DIPTUBE-CO	LD	i i i	Energy Star:					No L	Iniform Ener	gy Factor (UEF):					0.9
F		ACK OF COVER	X		TERNATE	TEMPERATUR	EAND)	Connectivity:				Not WIFI Con	npatible R	ecovery at 9	00°F Rise (GPH):					2
CON	THER	MOSTAT(S) AND NG ELEMENT(S)	\sqrt{n}		LIEF VALV	ELIEF VALVE I E DISCHARGE	LOCATION	,	Weights and Dimen	nsions				٧	/enting ar	nd Connectio	n Requirer	ments			
DRAIN PAN	I (PIPEI				RAIN AS ILL	USTRATED)			Overall Height (in.):	autor in V				31.813 V	/enting:	otion Size (in)-				1	Non-Vente
DRA	AÌN AS								Jacket Diameter (in.):	icate: - III.).				29.303	vater conne	cuon size (in.).					3/4 Nr
		гіу	ule IA (I	op met wo	ideis) F		ςτις Μ		weight (lbs.): ΓΕΒ ΗΕΔΊ	TFR ⁻	τεςμνι) NI						
						IOT TO S	CALE	v /~\							/ I N						
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BOXABL INC. IS PROHIBITED.

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									AN CO	DIL UN	IT SCH	EDULE								
			410			COOLIN	G			HEATING			ELECTI	RICAL						
DESIG'N.	MFG'R.	MODEL NO.	QUANTITY (CFM)	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	МОСР	COMPRESSOR	TYPE OF MOUNTING	HSPF	SEER	REMARKS
CU 1	MITSUBISHI	MUZ-WR12NA										230	1	10	15	ROTORY				
0-1	LG	LSU120HFV3										230	1	10	15	INVERTER	ON GRADE			
	MITSUBISHI	MSZ-WR12NA	400	75 0/62 2		12,000	D 4104	1 1 0 12 07	CO O	00.7	12 200							8.50	16.00	
rcu-1	LG	LSN120HFV3	459	73.0/62.3	55.0/53.4	12,000	N410A	1 LD 12 OZ	60.0	06.2	12,200							8.50	17.00	

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

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Table Pipe In:	4-5c: Re sulation (sidenti (thickn	al Spa ess in	ce-Cooling systems inches) (Refrigerant)
Fluid Operating Temperature Range °F	Insulation Conduct. (Btu-in/h-ft ² -°F)	Insulation Mean Rating Temperature (°F)	Pipe Diameter < 1"	REMARKS
40-60	0.21-0.27	75	0.75	

Note: Insulation used for refrigerant suction lines outside of a conditioned space, must include a Class I or Class II vapor retarded. The vapor retarded and insulation must be protected from physical damage, UV deterioration and moister with a covering that can be removed for equipment maintenance without destroying the insulation.

						E>	KHAU	IST FA	AN SC	HED	ULE				
DESIG'N	SERVICE	MFG'R	MODEL NO.	ТҮРЕ	CFM	STATIC PRESSURE	DRIVE		ELECTRICAL		BACKDRAFT DAMPER	OPER. WEIGHT	ENERGY STAR	EFFICIENCY RATING	REMARKS
						("W.C.)		H.P. (WATTS)	PHASE (Ø)	VOLTAGE		(LBS.)	COMPLIANT	CFM/WATT	
FF-1	RESTROOM			\\/\/\\	70	0.250	DIRECT		1	115	GRAVITY	Q	VES	6.4	
	RESTROOM	DELTA	SLM 70	WALL	70	0.250	DIRECT	(11.5)	1	115	UNAVITI	0	TES	5.8	
NOTE: UNITS	TO BE MANUF	ACTURED BY	ADDVENT, DELT	A, OR AN APPROV	ED EQUIVALEN	NT UNIT.									

						, ,			
Т	ab	le 4 Cor	-6: M nditic	linimur ners a	m Cool Ind Hea	ing Eff at Purr	ficienci nps for	es for Heat F	Central Air Pumps
Applicance	2	Ту	pe	SEER Required	EER Required	SEER S	pecified		REMARKS
Central air source heat Split System		ystem	14.0	NR	16	5.0			
	Т	[abl	e 4-3	B: Miniı	mum H	leating	Efficie	ency fo	r Heat Pumps
Equipment Type	Refe	erence	Configu	uration/Size	Minimum Hea	ting Efficiency	Heating efficiency Specified		REMARKS
Single-phase air source heat pumps (NAECA)	ngle-phase ir source eat pumps (NAECA) Table C-3 < 65,000 Bth/h cooling				Split 8.	2 HSPF	8.5 H	ISPF	

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MUZ-WR09NA MUZ-WR12NA



REFRIGERATION PIPING SYSTEM SCHEMATIC DETAIL

NOT TO SCALE

	MECHANICAL DETAILS		
MODEL:	2 DOOR CASITA BXB-000009	PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF BOXABL INC. ANY REPRODUCTION IN PART	
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Unit: Inch (mm)

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	L			L		
		WHOLE HOUSE VENTILATION SYSTE	M SHALL BE	PLAN NC	TES	
	CO IN BA TC	OMPRISED OF TOILET EXHAUST FAN ITAKE LOUVER. VENTILATION RATE SED ON EQUATION 15-1 USING 361 ND ONE BEDROOM. PER THESE CA ILET EXHAUST FAN WILL OPERATE 2 HOUR SEGMENT.	70 CFM AND OF 20 CFM IS SQUARE FEET PACITIES THE 9% OF EACH 41	NEW CONDENSING UNIT, CONCRETE PAD TO HAVE ON A LEVEL SURFACE. CO LOCATION WITH ARCHITE OWNER.	CU-1. PROVIDE THE CONDENSING UNIT OORDINATE EXACT CT AND BUILDING	D
			2	TERMINATE CONDENSA TO EXTERIOR. PROVID GRADE. COORDINATE WITH ARCHITECT AND B	TE DRAIN FROM <u>FCU-1</u> E SPLASH BLOCK ON EXACT LOCATION BUILDING OWNER.	
			3	PROVIDE THERMOSTAT, I MOUNT TOP OF THERMO MAXIMUM.	.G MODEL PREMTBVC3. STAT 48" AFF	
			4	REFRIGERANT PIPING RO MANUFACTURER'S INSTA FOR SIZING.	JTED IN WALL, SEE LLATION INSTRUCTIONS	
			5	PROVIDE HOODED WALL	CAP.	
	①CU-1		6	INTAKE FOR WHOLE HOU SYSTEM. VENT-US MODE LOCATED UNDER UPPER BELOW EXHAUST DISCHA MICROWAVE.	SE VENTILATION EL PS-101. INTAKE TO BE CABINETS, MINIMUM 3' RGE VENT FROM	
				EXHAUST DISCHARGE FRO IS INTEGRAL TO THE MICH CAPACITY SHALL BE 300 C EXHAUSTED DIRECTLY TO EXHAUST FAN TO HAVE N CONTROL.	OM EXHAUST FAN THAT ROWAVE. EXHAUST CFM AND BE THE OUTDOORS. MANUAL SWITCH FOR	C
VENTLESS DRYER			8	TIMER SWITCH TO CONT EXHAUST FAN. EXHAUST OF WHOLE HOUSE VENTI HUMIDITY CONTROL IS N 24 4.506.1.	ROL BATHROOM FAN IS A COMPONENT LATION SYSTEM SO A OT REQUIRED PER TITLE	
						B
1 <u>MECHANICAL PLAN</u> 1/4" = 1'-0"		MECHANICAL PLA	Ν			A
ABLINC.	MODEL: 2 DOOR BXB-000	CASITA 009	PROPRIETARY AI THE INFORMATIO IN THIS DRAWING PROPERTY OF BC	ND CONFIDENTIAL ON CONTAINED G IS THE SOLE DXABL INC. ANY		
NORTH BELT ROAD	SHEET:	M2.0	REPRODUCTION OR AS A WHOLE WRITTEN PERMI BOXABL INC. IS P	IN PART WITHOUT THE SSION OF ROHIBITED.		
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GENERAL

- 1. MECHANICAL SYSTEMS SHALL BE INSTALL IN ACCORDANCE WITH ALL APPLICABLE BUILDING CODES.
- 2. DRAWINGS FOR MECHANICAL WORK ARE DIAGRAMMATIC, SHOWING THE GENERAL LOCATION, TYPE, LAYOUT AND EQUIPMENT REQUIRED. THE DRAWINGS SHALL NOT BE SCALED FOR EXACT MEASUREMENTS. REFER TO MANUFACTURERS STANDARD INSTALLATION DRAWINGS FOR EQUIPMENT CONNECTIONS AND INSTALLATION REQUIREMENTS AS REQUIRED. FURNISH AND INSTALL DUCTWORK, CONNECTIONS, ACCESSORIES, OFFSETS AND MATERIALS NECESSARY TO FACILITATE THE SYSTEMS FUNCTIONING AS INDICATED BY THE DESIGN AND THE EQUIPMENT INDICATED. THE WORK SHALL BE IN ACCORDANCE WITH LOCAL CODES AND ORDINANCES AND SUBJECT TO INSPECTION.
- 3. THE MECHANICAL SYSTEMS SHALL BE COMPLETE WITH ALL NECESSARY APPURTENANCES FOR A COMPLETE OPERATING SYSTEM.
- 4. THE CONTRACTOR SHALL WARRANTEE ALL MATERIAL AND GUARANTEE ALL WORKMANSHIP FOR ONE YEAR FROM SUBSTANTIAL COMPLETION.

BASIC MATERIALS AND METHODS

1. MATERIALS SHALL BEAR UNDERWRITERS LABEL OR OTHER CERTIFIED LISTING AGENCIES WHERE SUCH STANDARDS HAVE BEEN ESTABLISHED AND LISTED BY UNDERWRITER'S LABORATORIES, INC. MATERIALS, EQUIPMENT AND APPLIANCES SHALL CONFORM TO THE LATEST STANDARDS

01.	
AMCA	-AIR MOVING AND CONDITIONING ASSOCIATIONS, INC.
SMAC	VA -SHEET METAL AND AIR CONDITIONING CONTRACTOR
	NATIONAL ASSOCIATION, INC.
ASHRA	.E -AMERICAN SOCIETY OF HEATING, REFRIGERATION AND AIR
	CONDITIONING ENGINEERS
ASME	-AMERICAN SOCIETY OF MECHANICAL ENGINEERS
ASTM	-AMERICAN SOCIETY FOR TESTING MATERIALS
NEMA	-NATIONAL ELECTRICAL MANUFACTURER'S ASSOCIATION
ARI	-AIR CONDITIONING AND REFRIGERATION INSTITUTE
ANSI	-AMERICAN NATIONAL STANDARDS INSTITUTE
IAPMC	-INTERNATIONAL ASSOCIATION OF PLUMBING AND MECHANICAL OFFICIALS

COORDINATION

- 1. COORDINATE WITH GENERAL CONTRACTOR FOR ALLOWABLE DAYS OF WEEK AND TIMES OF DAY FOR SYSTEMS SHUT DOWNS AS REQUIRED FOR THE CONSTRUCTION WORK.
- 2. THE MECHANICAL CONTRACTOR SHALL COORDINATE DUCTWORK INSTALLATION WITH ARCHITECTS/OWNERS REPRESENTATIVE IN FIELD AND OTHER TRADES.
- 3. THE MECHANICAL CONTRACTOR SHALL COORDINATE VOLTAGE OF ALL EQUIPMENT WITH ELECTRICAL PRIOR TO ORDERING EQUIPMENT.

INSTALLATION

- 1. CORE-DRILL OR SAW-CUT FLOOR, WALL, ROOF, ETC. AS REQUIRED FOR PIPING OR DUCTWORK AND FIRE-STOP OPENING AROUND PIPE OR DUCTWORK. VERIFY LOCATION OF STRUCTURAL BEAMS, JOISTS, ETC. BEFORE DRILLING OR CUTTING. NOTIFY ARCHITECT OF ANY DISCREPANCIES.
- 2. WHEREVER FOUNDATION WALLS, OUTSIDE WALLS, ROOFS, ETC. ARE CUT FOR INSTALLATION OF SYSTEMS, THEY SHALL BE PATCHED TO MATCH EXISTING CONSTRUCTION AND SEALED WEATHER-TIGHT. WORK SHALL BE PERFORMED BY CRAFTSMEN SKILLED IN THEIR RESPECTIVE TRADES.
- 3. ALL PIPING THAT IS EXPOSED TO VIEW SHALL BE ROUTED AS HIGH AS POSSIBLE AND TIGHT TO THE UNDERSIDE OF THE STRUCTURAL ABOVE.
- 4. ALL OUTSIDE AIR INTAKES SHALL BE A MINIMUM OF 10'-0" AWAY FROM EXHAUST DISCHARGE OPENINGS AND PLUMBING VENT STACKS.

EQUIPMENT

- 1. THE MECHANICAL CONTRACTOR SHALL INSTALL MECHANICAL SYSTEMS AS SHOWN, NOTED AND SPECIFIED. EQUIPMENT MAY NOT BE SUBSTITUTED UNLESS WRITTEN APPROVAL BY THE ARCHITECT, ENGINEER OR OWNER'S REPRESENTATIVE IS OBTAINED. ANY CHANGES TO THE DUCTWORK LAYOUT WILL NECESSITATE SUBMISSION OF SHEET METAL SHOP DRAWINGS FOR ENGINEER'S REVIEW. ANY UNAUTHORIZED CHANGES WILL BE REMOVED AT CONTRACTOR'S EXPENSE, IF DEEMED NECESSARY BY ARCHITECT, ENGINEER, OR OWNER'S REPRESENTATIVE.
- 2. UPON SELECTION OF THE MECHANICAL APPLIANCES, SUBMIT THE MANUFACTURER'S INSTALLATION INSTRUCTIONS TO THE BUILDING DEPARTMENT, INCLUDING LISTING FOR OUTSIDE INSTALLATION WHERE APPLICABLE.

AIR DISTRIBUTION

- 1. ALL DUCTWORK SHALL BE FABRICATED ACCORDING TO THE SMACNA LOW VELOCITY DUCT MANUAL, ASHRAE HANDBOOK VOLUME "HVAC SYSTEMS AND EQUIPMENT", AND TYPICAL DUCTWORK DETAILS SHOWN IN THESE DRAWINGS. ALL ELBOWS SHALL HAVE PROPER RADIUS. SIZES SHOW ON PLAN ARE INSIDE FREE AREA.
- 2. ALL FLEXIBLE DUCTWORK SHALL FACTORY ASSEMBLED CLASS 1 AIR DUCT (UL 181) WITH FIBERGLASS INSULATION AND REINFORCED OUTER PROTECTIVE COVER/VAPOR BARRIER, FLEX DUCT SHALL MEET NFPA 90A WITH FLAME SPREAD UNDER 25, SMOKE DEVELOPED UNDER 50, AND SHALL BE RATED FOR 2" W.C. PRESSURE AND 0 TO 250 DEGREE TEMPERATURE. MAXIMUM STRETCHED OUT LENGTH SHALL BE AS PER CODES.
- 3. PROVIDE UL APPROVED FIRE DAMPERS FOR ALL PENETRATIONS THROUGH FIRE RATED WALLS, PARTITIONS, CEILINGS, AND FLOORS. INSTALL FIRE DAMPERS AS PER MANUFACTURER'S DIRECTIONS AND PER UL GUIDELINES. PROVIDE ACCESS AS REQUIRED FOR SERVICING OF FIRE DAMPERS.
- 4. ALL CONTRACTOR FABRICATED AND MANUFACTURER FABRICATED COMPONENTS OF THE

DATE:	REV:	DESCRIPTION:

OUTSIDE AIR, SUPPLY AIR, RETURN AIR AND EXHAUST SYSTEMS SHALL BE CONSTRUCT INSTALLED AIR-TIGHT. THE INSTALLED SYSTEMS SHALL BE PRESSURE TESTED AS SPECIF OPENINGS IN SYSTEM COMPONENTS SHALL HAVE SHEET METAL BAFFLES, SET IN SEALA PREVENT LEAKAGE.

AUTOMATIC TEMPERATURE CONTROLS

1. CONTRACTOR SHALL FURNISH AND INSTALL ALL CONTROL WIRING AS REQUIRED. THERMOSTATS SHALL BE AS SPECIFIED OR AS FURNISHED WITH THE EQUIPMENT. PROVIDE TRANSFORMERS AS REQUIRED.

TESTING AND BALANCING

- 1. BALANCING CONTRACTOR SHALL BALANCE SYSTEMS TO AIR QUANTITIES SHOWN ON PLAN. BALANCING CONTRACTOR SHALL USE DUCT MOUNTED MANUAL DAMPERS FOR AIR SYSTEM BALANCING. USE OF A TERMINAL DAMPER IS NOT ACCEPTABLE.
- 2. TESTING AND BALANCING CONTRACTOR SHALL TEST ALL HVAC EQUIPMENT TO ENSURE PROPER OPERATION, TEST ALL CONTROLS TO ENSURE PROPER OPERATION, CALIBRATION AND ADJUSTMENT OF CONTROLS, AND TEST ECONOMIZERS TO ENSURE PROPER OPERATION.
- 3. THE ARCHITECT AND/OR OWNER'S REPRESENTATIVE SHALL BE NOTIFIED 48 HOURS OR MORE PRIOR TO FINAL TESTING AND BALANCING WORK SO THAT THEY AND/OR THE ENGINEER MAY BE PRESENT TO OBSERVE THIS WORK. THE BALANCING CONTRACTOR SHALL SUBMIT WRITTEN REPORTS OF ALL AIR FLOW READINGS, STATIC PRESSURES, GPM RATES, PRESSURE READINGS, TEMPERATURE READINGS, MOTOR AMPERAGE, ETC., TO DOCUMENT PROPERLY OPERATING AND BALANCED MECHANICAL SYSTEMS IN ALL AREAS. A COPY OF THE TEST AND BALANCE REPORT SHALL BE SUBMITTED TO THE AUTHORITIES HAVING JURISDICTION PRIOR TO FINAL INSPECTION AND REQUESTING OCCUPANCY.

CLOSEOUT DOCUMENTATION

- 1. THE CONTRACTOR SHALL FURNISH TO THE BUILDING OWNER WITHIN 90 DAYS OF DATE OF RECEIPT OF THE CERTIFICATE OF OCCUPANCY THE FOLLOWING;
- A. OPERATING AND MAINTENANCE MANUAL, MANUAL SHALL CONSIST OF MANUFACTURER'S RECOMMENDATIONS, PROGRAMMING PROCEDURES AND DATA POINTS, NARRATIVE AND OTHER MEANS OF ILLUSTRATING TO THE OWNER HOW THE BUILDING, EQUIPMENT AND SYSTEMS ARE INTENDED TO BE INSTALLED, MAINTAINED AND OPERATED. AS-BUILT HVAC DRAWINGS.
- BALANCE REPORT OF HVAC SYSTEMS.

BOXABL INC.

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FIED.	PIPE
ANT.	то

MEC	CHANICAL ABBREVIATION
A.D. A.F.F. ACCU CC CV EF F.C.U N.T.S. S.C.D. S.S. T U.N.O. ARCH BLD'G BOT. CU'G. CONC. DET. DN. DWG. E.A.T. GA. H/AC L.A.T. MT'D S.S.T. T.S.P. W/ Ø 0'-0''	ACCESS DOOR ABOVE FINISHED FLOOR AIR COOLED CONDENSING UNIT COOLING COIL CONTROL VALVE EXHAUST AIR FAN FAN COIL UNIT NOT TO SCALE SEE CONSTRUCTION DRAWINGS STAINLESS STEEL THERMOSTAT UNLESS NOTED OTHERWISE ARCHITECT OR ARCHITECTURAL BUILDING BOTTOM CEILING CONCRETE DETAIL DOWN DRAWING ENTERING AIR TEMPERATURE GAUGE HEATING AND AIR CONDITIONING LEAVING AIR TEMPERATURE MOUNTED SATURATED SUCTION TEMPERATURE TOTAL STATIC PRESSURE WITH DIAMETER/ROUND ELEVATION FROM FINISH FLOOR

MECHANICAL SYMBOLS

• •	
-T <u>DEVICE</u>	THERMOSTAT WITH DEVICE CONTROLLED.
CD	CONDENSATE DRAINAGE PIPING
L	REFRIGERANT LIQUID PIPING
s	REFRIGERANT SUCTION PIPING
$-\bowtie$	LINE SIZE GATE VALVE
Φ	LINE SIZE BALL VALVE (2'' & SMALLER) OR LINE SIZE BUTTERFLY VALVE (2-1/2'' & LARGER)
Q	LINE SIZE BALANCING VALVE
N	LINE SIZE CHECK VALVE
	LINE SIZE UNION

Mandatory Measures

1. THERMOSTAT PROVIDED SHALL BE A SET-BACK TYPE, CAPABLE OF ALLOWING THE OCCUPANT TO PROGRAM SET POINTS FOR AT LEAST FOUR PERIODS WITH-IN 24 HOUR TIME SPAN.

MECHANICAL NOTES SYMBOLS & ABBREVIATIONS

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ELECTRICAL SPECIFICATIONS:

- A QUALIFIED ELECTRICIAN SHALL FURNISH AND INSTALL ALL LABOR, TOOLS, MATERIAL, E1. EQUIPMENT, SERVICES, AND RELATED ACCESSORIES NECESSARY FOR THE COMPLETE INSTALLATION OF ELECTRICAL WORK SHOWN ON THE DRAWINGS, SPECIFIED IN THE NOTES. AND REQUIRED BY LOCAL CODE AUTHORITIES.
- ALL WORK SHALL COMPLY WITH THE CURRENT EDITIONS OF THE NATIONAL ELECTRICAL CODE E2. AND INTERNATIONAL RESIDENTIAL CODE.
- OBTAIN AND PAY FOR ALL PERMITS AND FEES RELATING TO ELECTRICAL SYSTEM. E3.
- IT IS INTENDED THAT ALL ITEMS OF WORK AND SYSTEMS BE COMPLETE AND WIRED COMPLETE IN E4. ALL DETAILS, READY FOR SATISFACTORY OPERATION AND SERVICE. APPARATUS REQUIRED SHALL BE FURNISHED, EVEN THOUGH NOT SPECIFICALLY MENTIONED HEREIN, OR SHOWN ON THE DRAWINGS.
- PROVIDE GROUNDING OF ELECTRICAL WORK IN STRICT ACCORDANCE WITH THE APPLICABLE E5. CODES AND THEIR AUTHORITIES.
- E6. COORDINATE ALL WORK WITH OTHER TRADES PRIOR TO ANY INSTALLATION.
- PROVIDE CODE APPROVED CLEARANCES AROUND ELECTRICAL EQUIPMENT. E7.
- MATERIALS AND EQUIPMENT SHALL BE NEW AND SHALL CONFORM TO THE NEMA STANDARDS, E8. NATIONAL ELECTRICAL CODE (NEC) IN EVERY CASE, WHERE SUCH STANDARDS HAVE BEEN ESTABLISHED. ALL ELECTRICAL MATERIALS, DEVICES, APPLIANCES, FITTINGS AND OTHER EQUIPMENT SHALL BE LISTED AND LABELED BY A QUALIFIED TESTING AGENCY AND SHALL BE CONNECTED IN AN APPROVED MANNER WHEN INSTALLED.
- TESTING AFTER WIRES ARE IN PLACE AND CONNECTED TO DEVICES AND EQUIPMENT, THE E9. SYSTEM SHALL BE TESTED FOR SHORTS AND GROUNDS. ALL HOT WIRES, IF SHORTED OR GROUNDED, SHALL BE REMOVED AND REPLACED.
- ALL METERS, INSTRUMENTS, CABLE CONNECTION, EQUIPMENT, OR APPARATUS NECESSARY E10. FOR MAKING ALL TESTS, SHALL BE FURNISHED BY THIS CONTRACTOR AT HIS OWN EXPENSE.
- AFTER THE COMPLETION OF THE INSTALLATION, THE ENTIRE SYSTEM SHALL BE THOROUGHLY E11. CLEANED. CLEAN ALL FOREIGN MATTER, PAINT, OIL, DIRT, UNREQUIRED LABELS, GREASE, AND STICKERS FROM FIXTURES AND EQUIPMENT. REMOVE FROM THE PREMISES ALL RUBBISH, DEBRIS, ETC. ACCUMULATED BY THE ELECTRICAL INSTALLATION.
- E12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL EQUIPMENT AND SYSTEMS AGAINST HARMFUL EXPOSURE, OR ACCUMULATION OF DUST/MOISTURE, FLOODING, CORROSION, OR OTHER FORMS OF DAMAGE. CLEAN AND RESTORE DAMAGED FINISHES AND EQUIPMENT TO PLACE INSTALLATION IN A LIKE-NEW CONDITION.
- UNLESS SPECIFICALLY NOTED OTHERWISE, ALL INTERIOR WIRING SHALL BE NM-B CABLE. E13. ELECTRICIAN SHALL PROVIDE EXTENSION OF ALL CABLE FROM JUNCTION BOX TO ELECTRICAL PANEL. PROVIDE CODE COMPLIANT RACEWAY AND WIRING FROM INTERIOR JUNCTION BOX TO EXTERIOR PANEL. SEAL OPENING WEATHERTIGHT. PROVIDE INTERCONNECTION OF CABLES BETWEEN THE WALLS AND ROOF PANELS. THERE MAY BE SEVERAL CIRCUITS IN EACH PANEL. EACH IS LABLED WITH CIRCUIT NAME, CONNECT CIRCUITS OF LIKE NAMES.
- DISCONNECT SWITCHES SHALL BE QUICK-MAKE, QUICK-BREAK TYPE IN NEMA ENCLOSURE TO E14. MATCH LOCATION AND USE. SWITCHES SHALL BE LISTED FOR THEIR USE.
- E15. PANEL/LOAD CENTER SHALL BE AS SHOWN ON THE DRAWINGS WITH 100A-2P MAIN BREAKER AND BRANCH BREAKERS AS SCHEDULED. UNIT IS PROVIDED IN A NEMA 3R ENCLOSURE FOR EXTERIOR MOUNTING. INSTALL IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. INSTALL BREAKERS AS REQUIRED. PANEL/LOAD CENTERS SHALL BE SQUARE D QO SEREIS WITH QO BREAKERS OR EATON, SEIMENS OR GENERAL ELECTRIC EQUIVELENT. TERMINATE ALL CABLING AND WIRING AT PANEL/LOAD CENTER IN ACCORDANCE WITH NEC REQUIREMENTS.

E16. INSTALL COMBINATION WASHER/DRYER BACKBOX WIRING AND PLUG IN WALL.

- E17. ASSEMBLE AND INSTALL PENDANT LIGHT FURNISHED WITH UNIT. PENDANT LIGHT SHALL BE LISTED PER 410.10(D).
- E18. INSTALL SMOKE DETECTOR FURNISHED WITH UNIT.

- E19. ASSEMBLE AND INSTALL EXTERIOR SCONCE LIGHT FURNISHED WITH UNIT BY FRONT AND BACK DOORS. SEAL LIGHT TO EXTERIOR WALL TO BE WEATHER TIGHT.
- E20. ALL EQUIPMENT LOCATED OUTDOORS SHALL BE WEATHERPROOF TYPE.
- FURNISH AND INSTALL A COMPLETE AND OPERABLE SYSTEM OF SERVICE AND DISTRIBUTION E21. FROM THE UTILITY COMPANY TRANSFORMERS OR FROM FEED FROM ANOTHER STRUCTURE TO THE PANEL/LOAD CENTER AS REQUIRED. PROVIDE A 120/240V., 1PH., 3W. SERVICE OR FEEDER TO THE LOAD CENTER RATED AT 100 AMPERES. MINIMUM FEEDER SIZE TO THE HOUSE SHALL BE 3 # 1 AWG COPPER CONDUCTORS. COORDINATE FINAL GROUNDING WITH METHOD OF FEEDING. SUGGESTED SERVICE GROUNDING DETAIL IS FOR UTILITY FED BUILDING.
- E22. TWO SMALL APPLIANCE 20A BRANCH CIRCUITS HAVE BEEN PROVIDED PER NEC 210.11 (C)(1) SERVING ONLY ABOVE COUNTER RECEPTACLES.
- E23. LAUNDRY AREA 20A BRANCH CIRCUITS HAS BEEN PROVIDED PER NEC 210.11 (C)(2) SERVING ONLY LAUNDRY AREA.
- E24. INDIVIDUAL APPLIANCE BRANCH CIRCUITS HAVE BEEN PROVIDED SERVING DEDICATED APPLIANCES INCLUDING HEAT A/C UNIT, REFRIGERATOR, MICROWAVE AND ELECTRIC RANGE.
- E25. BATHROOM RECEPTACLE 20A BRANCH CIRCUIT HAS BEEN PROVIDED PER NEC 210.11 (C)(3) SERVING ONLY BATHROOM RECEPTACLES.
- RECEPTACLE OUTLETS HAVE BEEN INSTALLED IN ACCORDANCE WITH NEC 210.52. ALL E26. RECEPTACLES SHALL BE LISTED AND GROUNDED TYPE AND INSTALLED IN ACCORDANCE WITH NEC 406.4. ALL RECEPTACLES SHALL BE PROVIDED WITH AFCI PROTECTION. ALL 15A AND 20A KITCHEN, BATHROOM, LAUNDRY, AND OUTDOOR RECEPTACLES SHALL BE GFCI TYPE. ALL OUTDOOR RECEPTACLES SHALL BE WEATHER RESISTANT TYPE WITH WEATHERPROOF COVERS AND WEATHER SEALED TO BUILDING FRAME. ALL RECEPTACLES SHALL BE TAMPER RESISTANT TYPE PER NEC 406.12.
- E27. PROVIDE GROUNDING AND BONDING SHALL BE PROVIDED PER NEC 250.
- E28. FITTINGS AND CONNECTORS THAT ARE INTENDED TO BE CONCEALED AT THE TIME OF ASSEMBLY SHALL BE LISTED AND IDENTIFIED FOR THE INTERCONNECTION OF BUILDING COMPONENTS. SUCH FITTING SHALL BE EQUAL TO THE WIRING METHOD EMPLOYED IN INSULATION, TEMPERATURE RISE, AND FAULT-CURRENT WITHSTANDING AND SHALL BE CAPABLE OF ENDURING THE VIBRATION AND SHOCK OCCURRING IN TRANSPORT.
- E29. GROUNDING OF BOTH ELECTRICAL AND NON ELECTRICAL METAL PARTS SHALL BE THROUGH CONNECTION TO A GROUNDING BUS IN THE PANEL/LOAD CENTER AND SHALL BE CONNECTED THROUGH THE GREEN-COLORED INSULATED CONDUCTOR IN THE FEEDER WIRING TO THE GROUNDING BUS IN THE SERVICE ENTRANCE EQUIPMENT.
- E30. THE INSTALLATION OF THE SERVICE EQUIPMENT SHALL COMPLY WITH ARTICLE 230. MEANS SHALL BE PROVIDED FOR THE CONNECTION OF A GROUNDING ELECTRODE CONDUCTOR TO THE SERVICE EQUIPMENT AND ROUTING IT OUTSIDE THE STRUCTURE. BONDING AND GROUNDING OF THE SERVICE SHALL BE IN ACCORDANCE WITH ARTICLE 250. THE MANUFACTURER SHALL INCLUDE IN ITS WRITTEN INSTALLATION INSTRUCTIONS ONE METHOD OF GROUNDING THE SERVICE EQUIPMENT AT THE INSTALLATION SITE. THE INSTRUCTIONS SHALL CLEARLY STATE THAT OTHER METHODS OF GROUNDING ARE FOUND IN ARTICLE 250. THE MINIMUM SIZE GROUNDING ELECTRODE CONDUCTOR SHALL BE # 8 AWG COPPER.

A WARNING LABEL SHALL BE MOUNTED ON OR ADJACENT TO THE SERVICE EQUIPMENT. THE LABEL SHALL STATE THE FOLLOWING: "WARNING DO NOT PROVIDE ELECTRICAL POWER UNTIL THE GROUNDING ELECTRODE(S) IS INSTALLED AND CONNECTED (SEE INSTALLATION INSTRUCTIONS)."

WHERE THE SERVICE EQUIPMENT IS NOT INSTALLED IN OR ON THE UNIT, THE INSTALLATION SHALL COMPLY WITH THE OTHER PROVISIONS OF THE NEC.

NOTES:

- CONTRACTOR SHALL OBTAIN APPROVAL FROM LOCAL CODE AUTHORITIES BEFORE INSTALLING GROUNDING.
- G2. CONCRETE ENCASED ELECTRODE ENCASED BY A MINIMUM OF 2" OF CONCRETE ON ALL SIDES LOCATED WITHIN AND NEAR THE BOTTOM OF A CONCRETE FOOTING OR FOUNDATION. ELECTRODE SHALL CONSIST OF A MINIMUM OF 20' OF BARE COPPER CONDUCTOR (# 4) WHERE APPLICABLE. (SEE NEC 250.52 (A) (3) (2))
- BOND TO REBAR STUBOUT IN FOUNDATION PER NEC 250 G3. WHERE APPLICABLE (SEE NEC 250.52 (A) (3) (1))

				-
DATE:	REV:	DESCRIPTION:		
			BOXABL INC.	
			5345 EAST NORTH BELT ROAD	
			— NORTH LAS VEGAS, NV 89115, USA	
			+1(702) 500-9000 HELLO@BOXABL.COM	
	SF:	1.00 QC JN: H:\22190\BXB-000009 2 DOOR\ GENERIC	FN:E1.0 GENERIC SYM_NOTES BXB 000009 2 DOOR	Ì



		NO SCALE		
MODEL:	2 DOOR CASITA BXB-000009		PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF BOXABL INC. ANY REPRODUCTION IN PART	
SHEET:		E1.0	OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF BOXABL INC. IS PROHIBITED.	BOXABL

	SYMBOL LIST
SYMBOL	DESCRIPTION
Ю, ()	JUNCTION BOX - WALL OR CEILING MOUNTED
C	NON - FUSED DISCONNECT SWITCH
R	FUSED DISCONNECT SWITCH
¢	MOTOR CONNECTION - H.P. AS NOTED ON DRAWINGS
*	NM-B CABLE RUN CONCEALED IN CEILING OR WALLS. X DENOTES GROUND WIRE DENOTES NEUTRAL CONDUCTOR DENOTES HOT CONDUCTOR
	LOAD CENTER
₽	DUPLEX RECEPTACLE (NEMA 5-20R) (+18" AFF UNLESS NOTED OTHERWISE)
\$	DUPLEX RECEPTACLE (NEMA 5-20R) (MOUNTED 6" ABOVE COUNTER TOP UNLESS NOTED OTHERWISE)
₩	DUPLEX CONVENIENCE OUTLET (NEMA 5-15R)
Н€	SPECIAL OUTLET. REFER TO POWER PLAN ON SHEET E1.0 FOR REQUIREMENTS
ю	SINGLE NEMA 5-20R RECEPTACLE
SD	CEILING MOUNTED SMOKE ALARM
A.	DENOTES AMPERES
A.C.	DENOTES ABOVE COUNTER
A.F.F.	DENOTES ABOVE FINISHED FLOOR
AFCI	DENOTES ARC FAULT CIRCUIT INTERRUPTER
AFGCI	DENOTES ARC FAULT/GROUND FAULT COMBINATION CIRCUIT INTERRUPTER
С.	DENOTES CONDUIT
GFCI	DENOTES GROUND FAULT CIRCUIT INTERRUPTER
GRD.	DENOTES GROUND
M.L.O.	DENOTES MAIN LUGS ONLY
WP	DENOTES WEATHERPROOF (NEMA 3R)







REV:	DESCRIPTION:	
		BOXABLINC.
		5345 EAST NORTH BELT ROAD
		NORTH LAS VEDAS, NV 89115, USA
		+1(702) 500-9000 HELLO@BOXABL.CC

LO@BOXABL.COM

- 4^c

SF: 1.00

JN: H: \22190\BXB-000009 2 DOOR_GENERIC FN:E2.0 GENERIC PLANS BXB 000000 2 DOOR

			E	QUIPM	ENT SCHED	ULE					
						CIRCUIT DATA					
(#)					RECEPTACLE		C	ONDL	JCTORS		
MARK	EQUIPMENT DESCRIPTION	VOLTAGE	PHASE	AMPS	ТҮРЕ		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		-

CATION <u>OUTDOOR</u>		nel name:	_A_			DE	EMAND LO	AD FLUSH	ACE
IN BREAKER <u>100A-2P MINIMUM</u> IN LUGS ONLY <u> </u>	— CON PHASE A PHASE B TOTAL MS SYM AMPS RATED _ MINIMUM (NECTED LOAD <u>12.94</u> KVA <u>12.45</u> KVA <u>25.39</u> KVA <u>106</u> AMPS OF 3 # 2 AWG SERVIC	DEMAND LOAD <u>10.62</u> KV/ <u>10.20</u> KV/ <u>20.82</u> KV/ <u>87</u> AM CE	A A PS	KEY: L: L R: F M: N P: F T: ⁻ E: E S & X: S	LIGHTING RECEPTAC MOTORS PANELS TRANSFOF EQUIPMEN SPARE &	CLES RMERS T SPACE	0.19 KVA 5.63 KVA 6.90 KVA 0.00 KVA 0.00 KVA 0.00 KVA 0.00 KVA 0.00 KVA 0.00 KVA	
DENOTES LOCK-OUT CLIP: ** DENOTES CIRCUIT USE CONI AL WHOLE BUILDING 0 PROTECTION DEVICE 0 ERATOR 1,440 WAVE 360 ROOM/EXTERIOR RECEPTS. 192 FCU-1 1,200 SPACE SUB TOTAL	S GFI BREAKER: *** NECTED LOAD B 0 1,440 1,260 1,200 0 3,900	 DENOTES VIA TIMECLO CCT. CIRCUIT NO. BREAKER 1 20A-2P 3 SPD 5 20A-1P AFGCI 7 20A-1P AFGCI 9 20A-1P AFGCI 11 20A-1P AFGCI 13 15A-1P AFCI 15 30A-2P 17 19 BLANKSPACE 	CK: **** DENO CIRCUIT BREAKER 50A-2P 30A-2P 20A-1P AFGCI 20A-1P AFGCI 20A-1P AFGCI BLANKSPACE BLANKSPACE BLANKSPACE	TES V CCT. NO. 2 4 6 8 10 12 14 16 18 20	IA CONTAC CON A 4,800 2,250 1,200 1,500 0 9,750	TOR NECTED L B 4,800 2,250 1,500 0 0 8,550		CIRCUIT E: RANGE E: M: WATER HEATE M: E: WASHER/DRYE R: ROUTER/KITCH R: DINING/KITCHE X: BLANKSPACE X: BLANKSPACE X: BLANKSPACE SUB TOTAL	r USE R R IEN SMALL APPL. IN SMALL APPL.
MODEL: 2 DC BXB- SHEET:	OR CASI	ΤΑ Ε2.(D	PRC THI IN T PRC REF OR WR BO2	DPRIETA E INFOR THIS DRA DPERTY PRODUC AS A W RITTEN P XABL IN(ARY AN MATIO AWING OF BOX TION II HOLE V ERMIS C. IS PF	D CONI IS THE XABL IN N PART WITHOU SION O ROHIBIT	FIDENTIAL TAINED SOLE IC. ANY JT THE F ED.	BOXA



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LIMITATIONS: WIND² - SNOW - SE

SEE FOOTNOTE 5 FOR DETERMINATION OF WIND LOADS, SNOW LOADS & SEISMIC FACTORS AT SITE OF INSTALLATION	LOW- (1/2:12)	PITCH ROOFS	HIGH F GABLE (3:12, 6:12, 9:1
WIND EXPOSURE ¹	В	С	
MAX. ALLOWED 4 WIND SPEED	140 mph	120 mph	SITE-S
MAXIMUM ALLOWED GROUND SNOW LOAD (Pg)	40 r	3 osf	EVALU
MAXIMUM ALLOWED SEISMIC Sms	3.3 3.1 IF STU	30 JCCO USED	SITE-SPECIFIC
MAXIMUM ALLOWED SEISMIC Ss	2.7 2.58 IF ST	75 UCCO USED	SITE-SPECIFIC

EXPOSURE B IS URBAN AND SUBURBAN AREAS, WOODED AREAS, OR OTHER TERRAIN W/ NUMEROUS, CLOSELY SPACED OBSTRUCTIONS THESE CONDITIONS PREVAIL IN THE UPWIND DIRECTION FOR A DISTANCE GREATER THAN 1,500 FT. EXPOSURE D (NOT ALLOWED) IS FLAT, UNOBSTRUCTED AREAS (MUD FLATS, SALT FLATS) AND WATER SURFACES. THESE CONDITIONS F THIS EXPOSURE ALSO APPLIES WHERE EXPOSURE B OR C OCCURS WITHIN THE FIRST 600 FT OF THE SITE.

² CASITAS LOCATED ON HILLS OR WITHIN 1,000 FT OF AN ESCARPMENT WILL REQUIRE SPECIAL EVALUATION BY THE STRUCT

3 IF LOCATED TIGHT IN AMONG CONIFER TREES MULTIPLY LOAD BY 0.83

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

⁵ FIND WIND SPEED, GROUND SNOW LOAD, SEISMIC CATEGORY & SEISMIC Sms & Ss VALUES AT ASCEHAZARDTOOL.ORG USING ASCE/SE (ULTIMATE) WIND AND GROUND SNOW LOAD VALUES WITH THE LOCAL OR COUNTY BUILDING DEPARTMENT. INSTALLER IS RESPONSIBL THE ALLOWABLE LIMITS IN TABLE ABOVE.

FOUNDATIONS:

FOUNDATIONS SHOULD NOT BE LOCATED IN AREAS WHERE SOIL IS SUBJECT TO EXPANSION, CORROSION, LIQUIFACTION OR COLLAPSE.



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THESE DRAWINGS SHALL NOT BE USED FOR

ANY BUILDING DEPARTMENT FOR PERMIT.

SITE-SPECIFIC INSTALLATION OR SUBMITTED TO

SEISMIC CONDITIONS ARE WITHIN ALLOWABLE

SITES WITHIN A FLOOD HAZARD ZONE - EACH OF WHICH IS REQUIRES A CUSTOM, SITE-SPECIFIC

ENGINEERED FOUNDATION DESIGN

VERIFICATION IS REQUIRED THAT WIND, SNOW AND

LIMITS AS WELL AS INVESTIGATION FOR CORROSIVE SOIL, SOIL SUBJECT TO LIQUIFACTION POTENTIAL, COLLAPSIBLE SOIL, EXPANSIVE SOIL CONDITIONS. OR

3

B 2-Do Mo	OXABL or Studio Casita odel # BXB-000002
CUSTOR WIND, SNO GEN FOUNDATION O (NOT TO)	W, & SEISMIC LIMITS, ACCESSORIES, IERAL CONSTRUCTION INFO., PTIONS & OPTIONAL HIGH-PITCH ROOFS BE USED FOR PERMIT SUBMITTAL)
	DESIGN CRITERIA:
4	CODE: PER LOCAL REQ'TS
ISMIC	APPLIED LOADS
PITCH ROOFS	SNOW LOAD : SEE TABLE AT LEFT
.12), MONOSLOT E (3.12), THE (3.12)	ROOF DEAD LOAD :
SPECIFIC UATION REQ'D	SIP ROOF: 4 psf + 3 psf ALLOTTED FOR SITE INSTALLED EPDM. FOR HIGH-PITCHED ROOFS THE ADDITIONAL WEIGHT VARIES.
	FLOOR LIVE LOAD : 40 psf FLOOR DEAD LOAD: 5 psf
C EVALUATION REQ'D	BASIC WIND SPEED : SEE LIMITS IN TABLE AT LEFT. (ASD) qh = qz = 16.0 psf (MAX) ASCE7-16 26.10.2
C EVALUATION REQ D	SEISMIC FACTORS:
THAT HAVE A SIZE OF A SINGLE-FAMILY DWELLING	I = 1 SEE TABLE AT LEFT FOR Sms & Ss LIMITS
OPEN COUNTRY AND GRASSLANDS. PREVAIL IN THE UPWIND DIRECTION FOR A DISTANCE > 5,000 FT. TURAL ENGINEER.	SITE CLASS = D (default) Fa = 1.2 (MINIMUM)
	SEISMIC DESIGN CATEGORY = D (MAX. ALLOWED).
SEI 7-16, RISK CATEGORY II, ASSUMED SOIL CLASS "D". VERIFY BASIC BLE FOR VERIFYING THE WIND, SNOW & SEISMIC FACTORS ARE WITHIN	BASIC SEISMIC FORCE RESISTING SYSTEM = LIGHT-FRAMED WALLS w/ SHEAR PANELS OF MGO & STEEL
	R = 6.5 PER ICC-ESR #4725
	ANALYSIS PROCEDURE: EQUIV. LATERAL FORCE

	UNITS:	FT-IN		CLIENT: BOXABL INC.	
HOLLS DR.	SHEET FORMAT:	ARCH C		5345 EAST NORTH BELT ROAD NORTH LAS VEGAS, NV 89115, USA	
	CREATED BY:	MN	MODEL #: вхв-000009	+1(702) 500-9000 HELLO@BOXABL.COM	
	RELEASE DATE:	4/16/2025			
	SHEET:	1			вохлв
		2		1	

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	UNITS: SHEET FORMAT: SHEET SCALE:	FT-IN ARCH C NONE	MODEL: 2 DOOR CASITA	BOXABL INC. 5345 EAST NORTH BELT ROAD NORTH LAS VEGAS, NV 89115, USA	
'ER	CREATED BY:	MN	MODEL #: вхв-ооооо9	+1(702) 500-9000 HELLO@BOXABL.COM	
	RELEASE DATE:	10/28/2024	_		
	SHEET:	2			BOXABL
		2		1	

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OPTIONAL HARDI[®] ARCHITECTURAL PANELS

1) ATTACH $\frac{5}{16}$ " PLYWOOD LAYER TO WALL PER DESIGN BY A STRUCTURAL ENGINEER.

2) ATTACH TO WALL PER DESIGN BY A STRUCTURAL ENGINEER.

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DATE: REV:

- 3) WHEN GABLE ROOF TRUSSES ARE USED, FASTEN TO GABLE END SHEATHING WHERE EACH TRUSS WEB OCCURS & AT PANEL EDGES PER DESIGN BY A STRUCTURAL ENGINEER.
- 4) FASTENERS MUST HAVE $\frac{1}{2}$ " MIN. EDGE DISTANCE & MIN. CLEARANCE OF 2" FROM CORNERS. FASTENERS 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.
- 5) VERTICAL JOINTS MUST BE SEALED WITH CAULKING, COVERED WITH BATTENS. HORIZONTAL JOINTS, AS REQUIRED WHEN AT GABLE END TRUSS CONDITIONS, MUST BE FLASHED w/ Z-FLASHING.
- 6) BOXABL ASSUMES NO RESPONSIBILITY FOR WATER INFILTRATION, OR OTHER POTENTIALLY ADVERSE CONSEQUENCES FROM THE USE OF THIS PRODUCT.
- 7) SEE ARCHITECTURAL DRAWINGS & MANUFACTURER'S LITERATURE FOR MORE INFO.

OPTIONAL ONE-COAT STUCCO (MAX. WT = 5 psf)

- 1) ATTACH $\frac{5}{16}$ " PLYWOOD LAYER TO WALL PER DESIGN BY A STRUCTURAL ENGINEER
- 2) ATTACH LATH OVER PAPER BACKING TO WALL PER DESIGN BY A STRUCTURAL ENGINEER.
- 3) WHEN GABLE ROOF TRUSSES ARE USED, FASTEN TO GABLE END SHEATHING PER DESIGN BY A STRUCTURAL ENGINEER.
- 4) FASTENERS 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.
- 5) STUCCO TO BE INSTALLED PER RECOMMENDATION OF THE MANUFACTURER, THE STUCCO MANUFACTURER'S RECOMMENDATIONS, ASTM C1063, ASTM C926, ASTM C1861 AND PER THE ARCHITECTURAL DRAWING DETAILS.



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OPTIONS

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DESCRIPTION:

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BOXABL

OPTIONAL HARDI PLANKS

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DATE: REV:

- 1) ATTACH $\frac{5}{16}$ " PLYWOOD LAYER TO WALL w/ #8 BUGLE HEAD SHEET METAL SCREWS PER DESIGN BY A STRUCTURAL ENGINEER.
- 2) ATTACH HARDI[®] PLANKS TO WALL PER DESIGN BY A STRUCTURAL ENGINEER.
- 3) FASTENERS MUST HAVE $\frac{1}{2}$ " MIN. EDGE DISTANCE & MIN. CLEARANCE OF 2" FROM CORNERS. FASTENERS 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.
- 4) SEE ARCHITECTURAL DRAWINGS AND MANUFACTURER'S LITERATURE FOR MORE INFO.

SEE NOTE 1) FOR PLYWOOD BASE LAYER REQUIREMENT BEHIND THE HARDI[®] PLANKS



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WALL CLADDING

DESCRIPTION:

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UNITS: SHEET FORMAT: SHEET SCALE:	FT-IN ARCH C NONE	MODEL: 2 DOOR CASITA	BOXABL INC. 5345 EAST NORTH BELT ROAD NORTH LAS VEGAS, NV 89115, USA	
CREATED BY: RELEASE DATE:	MN 10/28/2024	MODEL #: вхв-000009	+1(702) 500-9000 HELLO@BOXABL.COM	
SHEET:	7			BOXABL
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BACK		
B	INITIAL BOXABL PLACEMENT ON HATCHED SIDE	
RONT		
	VIIIIIIIIIIIIIII	

FOUNDATION PLAN

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-RESISTING 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.

	UNITS: SHEET FORMAT: SHEET SCALE:	FT-IN ARCH C NONE	MODEL: 2 DOOR CASITA	BOXABL INC. 5345 EAST NORTH BELT ROAD NORTH LAS VEGAS, NV 89115, USA	
	CREATED BY:	MN	MODEL #: вхв-ооооо9	+1(702) 500-9000 HELLO@BOXABL.COM	
1	RELEASE DATE:	1/31/2024			
-	SHEET:	8			BOXABL
		2		1	

GRADE BEAM OPTION

FOR EXPANSIVE SOIL CONDITIONS



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HIGH SLOPE GABLE ROOF OPTIO

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TRUSSES MAY BE ROTATED 90 DEG.





	UNITS: SHEET FORMAT:	FT-IN ARCH C	MODEL: 2 DOOR CASITA	BOXABL INC. 5345 EAST NORTH BELT ROAD NORTH LAS VEGAS, NV 89115, USA	
N	CREATED BY: RELEASE DATE:	10/28/2024	MODEL #: вхв-000009	+1(702) 500-9000 HELLO@BOXABL.COM	
	SHEET:	11			BOXABL
		2	-		



3



UNITS:	FT-IN	MODEL · 2 DOOR CASITA	BOXABL INC.	
SHEET FORMAT:	ARCH C		5345 EAST NORTH BELT ROAD	
SHEET SCALE:	NONE		NORTH LAS VEGAS, NV 89115, USA	
CREATED BY:		MODEL #: BXB-000009	+1(702) 500-9000 HELLO@BOXABL.COM	
RELEASE DATE:	10/28/2024			
SHEET:	12			BOXABL
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	UNITS: SHEET FORMAT: SHEET SCALE:	FT-IN ARCH C NONE	MODEL: 2 DOOR CASITA	BOXABL INC. 5345 EAST NORTH BELT ROAD NORTH LAS VEGAS, NV 89115, USA	
N	CREATED BY:	10/28/2024	MODEL #: вхв-000009	+1(702) 500-9000 HELLO@BOXABL.COM	
	SHEET:	13			BOXABL
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UNITS:	FT-IN		BOXABL INC.
SHEET FORMAT:	ARCH C		5345 EAST NORTH BELT ROAD
CREATED BY:	NONE	MODEL #: вхв-000009	+1(702) 500-9000 HELLO@BOXABL.COM
RELEASE DATE:	10/28/2024	_	
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<u>.</u>	2		1

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

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

UNITS:	FT-IN	MODEL: 2 DOOR CASITA	BOXABL INC.	
SHEET FORMAT:	ARCH C		5345 EAST NORTH BELT ROAD	
SHEET SCALE:	NONE		NORTH LAS VEGAS, NV 89115, USA	
CREATED BY:		MODEL #: BXB-000009	+1(702) 500-9000 HELLO@BOXABL.COM	
RELEASE DATE:	10/28/2024			
SHEET:	15			BOXABL
	2		1	