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- 1) WIND DATA, WIND DIAGRAM, GENERAL NOTES & VICINITY MAP.
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APPLICABLE CODES

BUILDING CODE PLUMBING CODE MECHANICAL CODE ELECTRICAL CODE

FLORIDA BUILDING CODE: BUILDING, TTH EDITION (2020) FLORIDA BUILDING CODE: PLUMBING, 1TH EDITION (2020) FLORIDA BUILDING CODE: MECHANICAL, 1TH EDITION (2020) NFPA TO NATIONAL ELECTRICAL CODE, 2017 EDITION ENERGY CONSERVATION CODE FLORIDA BUILDING CODE: ENERGY CONSERVATION, 1TH EDITION (2020)

I. ALL INFORMATION RELATED TO PROPERTY LEGAL DESCRIPTION, BOUNDARY LINES & DATUM ELEVATION HAVE BEEN EXTRACTED FROM THE SURVEY PREPARED BY SURVEYORS & ARE SHOWN ON THE ARCHITECTURAL SITE PLAN FOR REFERENCES ONLY & ARE INTENDED TO BE VERIFIED BY THE CONTRACTOR FOR ACCURACY WITH THE SURVEYOR OF RECORD, ACTUAL MUNICIPAL RECORDS \$ "FOUND" ONSITE MARKERS PRIOR TO EXECUTING ANY WORK, SITE PLAN BY OTHERS.

2. ARCHITECT, SHALL NOT BE RESPONSIBLE FOR THE SITE SOILS ABILITY TO SUPPORT THE BUILDING LOADS, ARCHITECT HAS RECOMMENDED TO THE OWNER THAT SOILS TEST BE CONDUCTED ON THIS SITE FOR THE DETERMINATION OF SOILS CAPACITY TO SUPPORT THE STRUCTURE AND THE POSSIBILITY OF SUBSURFACE ABNORMALITIES SUCH AS LIMESTONE FISSURES THAT COULD CAUSE SINK HOLES. THE OWNER IS RESPONSIBLE FOR THE SOILS CAPACITY TO SUPPORT THE FOUNDATIONS AS DESIGNED IF NO TEST AND REPORT HAS BEEN CREATED.

MECHANICAL NOTES

R40324 AIR-HANDLING UNITS.

AIR HANDLING UNITS SHALL NOT BE INSTALLED IN THE ATTIC WHEN A HOME IS BROUGHT INTO CODE COMPLIANCE BY SECTION R402. AIR-HANDLING UNITS SHALL BE ALLOWED IN ATTICS FOR COMPLIANCE BY SECTION R405 ONLY IF THE FOLLOWING CONDITIONS ARE MET:

I. THE SERVICE PANEL OF THE EQUIPMENT IS LOCATED WITHIN 6 FEET (1829 MM) OF AN ATTIC

2. A DEVICE IS INSTALLED TO ALERT THE OWNER OR SHUT THE UNIT DOWN WHEN THE CONDENSATION DRAIN IS NOT WORKING PROPERLY.

3. THE ATTIC ACCESS OPENING IS OF SUFFICIENT SIZE TO REPLACE THE AIR HANDLER.

4. A NOTICE IS POSTED ON THE ELECTRIC SERVICE PANEL INDICATING TO THE HOMEOWNER THAT THE AIR HANDLER IS LOCATED IN THE ATTIC. SAID NOTICE SHALL BE IN ALL CAPITALS, IN 16 POINT TYPE, WITH THE TITLE AND FIRST PARAGRAPH IN BOLD:

A PART OF YOUR AIR-CONDITIONING SYSTEM, THE AIR HANDLER, IS LOCATED IN THE ATTIC. FOR PROPER EFFICIENT, AND ECONOMIC OPERATION OF THE AIR-CONDITIONING SYSTEM, YOU MUST ENSURE THAT REGULAR MAINTENANCE IS PERFORMED. YOUR AIR-CONDITIONING SYSTEM IS EQUIPPED WITH ONE OR BOTH OF THE FOLLOWING: (1) A DEVICE THAT WILL ALERT YOU WHEN THE CONDENSATION DRAIN IS NOT WORKING PROPERLY OR (2) A DEVICE THAT WILL SHUT THE SYSTEM DOWN WHEN THE CONDENSATION DRAIN IS NOT WORKING. TO LIMIT POTENTIAL DAMAGE TO YOUR HOME, AND TO AVOID DISRUPTION OF SERVICE, IT IS RECOMMENDED THAT YOU ENSURE PROPER WORKING ORDER OF THESE DEVICES BEFORE EACH SEASON OF PEAK OPERATION.

VENTING NOTES:

I. ALL ROOF VENTING TO BE PER FBC-R 2020 1TH EDITION AT LEAST 40 PERCENT AND NOT MORE THAN 50 PERCENT OF THE REQUIRED VENTING AREA IS PROVIDED BY VENTILATORS LOCATED IN THE UPPER PORTION OF THE ATTIC OR RAFTER SPACE, UPPER VENTILATORS SHALL BE LOCATED NOT MORE THAN 3 FEET (914 MM) BELOW THE RIDGE OR HIGHEST POINT OF THE SPACE, MEASURED VERTICALLY, WITH THE BALANCE OF THE VENTILATION PROVIDED BY EAVE OR CORNICE VENTS. WHERE THE LOCATION OF WALL OR ROOF FRAMING MEMBERS CONFLICTS WITH THE INSTALLATION OF UPPER VENTILATORS, INSTALLATION MORE THAN 3 FEET (914 MM) BELOW THE RIDGE OR HIGHEST POINT OF THE SPACE SHALL BE PERMITTED.

2 ALL ROOF VENTING CALCULATIONS & VENT LOCATIONS TO BE PROVIDED BY ROOFING CONTRACTOR PRIOR TO INSTALLATION.

3. NO STREET FACING ROOF VENTS, CONTRACTOR TO VERIFY ALL VENT LOCATIONS W/ OWNER PRIOR TO INSTALLATION.

I. ALL STUCCO APPLICATION AND WORKMANSHIP TO CONFORM TO ALL A.S.T.M. SPECIFICATIONS. INCLUDING ASTM C 926, ASTM C 1063, ASTM C1328/C1328M-12 & ASTMC 897.

2. JOINT SPACING NOT BE GREATER THAN 18'.

3. NON PANEL SHALL EXCEED 144 SQ. FT. ON ANY VERTICAL APPLICATION.

4. NO PANEL SHALL EXCEED 100 SQ. FT. OVER CURVED OR ANGULAR SECTIONS.

5. NO PANEL LENGTH TO WIDTH RATIO TO EXCEED 21/2:1 IN ANY GIVEN PANEL.

PLUMBING NOTES

I. GENERAL: PROVIDE MATERIAL, EQUIPMENT, ACCESSORIES, INCIDENTALS, ARTICALS, ITEMS, OPERATIONS INCLUDING LABOR TO COMPLETE WORK INDICATED ON PLAN.

2. REGULATORY REQ: ALL WORK SHALL BE DONE PER 1TH ED FBCR 2020, MECH. CH. 13 PLUMBING NEC. 2017. NFPA, UL, SMACNA, SANITARY CODE OF STATE BOARD OF HEALTH, MANU. WRITTEN RECCOMMENTDATIONS LOCAL INSPECTORS & ANY OTHER APPLICABLE CODE.

3. SANITARY SEWER & VENT PIPING UNDERGROUND: PVC PIPES PER TABLE 702.2 OF 1TH ED. FBCR 2020 PLUMBING, FITTING SHALL BE PER TABLE 102.4 4. SANITARY SEWER & VENT PIPING ABOVE GROUND: PVC PIPES PER TABLE 702.1 OF 1TH ED FBC

2020 PLUMBING FITTING SHALL BE PER TABLE 702.4 5. ALL DOMESTIC WATER PIPING: PIPING SHALL BE CPVC & SHALL CONFORM TO NSFIG, ASTM D2846,

ASTM F441. FOR A MIN. OF 100 PSI ATISO OF FITTINGS SHALL BE CPVC & SHALL CONFORM TO ASTM F437, ASTM F438 & ASTM F439, CEMENT OR CONC. JOINT SOLVENT CEMENT JOINTS BIETWEEN DISSIMILAR PLASTIC PIPES & SADDLE TYPE FITTINGS SHALL NOT BE ACCEPTABLE.

6. CONDENSATE DRAIN PIPING: PVC PIPES PER TABLE 1022 OF 1TH ED FBCR 2020 PLUMBING FITTINGS SHALL BE PER TABLE 702.4

1. PIPING INSULATION: ALL HOT WATER PIPING, REFRIGERANT PIPING INTERIOR ABOVE GROUND CONDENSATE DRAIN PIPING SHALL BE PROVIDED WITH ONE INCH OF ARMSTRONG AP ARMAFLEX PLENTUM SINKS & LAVATORIES SHALL BE FURNISHED W/ INSULATION KITS EQUAL TO TRUEBRO.

A. ALL GRAVITY PIPING TO 2½" SHALL HAVE A MIN. OF ¼"/FT. ALL PIPING 3" & LARGER SHALL HAVE A MINIMUM SLOPE OF 1/6"/FT.

B. ALL PIPING SHALL BE FREE OF LEAKAGE. ALL PIPING SHALL BE PRESSURE TESTED PER APPLICABLE CODES.

C. CONTRACTOR SHALL DISINFECT THE DOMESTIC WATER & PRESSURE TEST ALL PIPING PER APPLICABLE CODES.

RAILING SPECS

ALL RAILINGS & GUARDS SHALL BE DESIGNED TO RESIST A LINEAR LOAD OF 50 LBS PER LINEAR FOOT IN ACCORDANCE WITH SEC. 4.5.1 OF ASCE 7.

2. ALL GLASS HANDRAIL ASSEMBLIES AND GUARDS SHALL ASLO COMPLY WITH SEC. 2407.

GENERAL NOTES

1. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO DETERMINE ERECTION PROCEDURE AND SEQUENCE TO ENSURE THE SAFETY OF THE BUILDING AND ITS COMPONENT PARTS DURING ERECTION. THIS INCLUDES, BUT IS NOT LIMITED TO THE ADDITION OF WHATEVER TEMPORARY BRACING. GUYS OR TIE DOWNS THAT MAY BE NECESSARY. SUCH MATERIAL SHALL BE REMOVED AND SHALL REMAIN THE PROPERTY OF THE CONTRACTOR AFTER COMPLETION OF THE PROJECT

2. ALL DIMENSIONS AND ELEVATIONS SHOWN ON THE STRUCTURAL DRAWINGS SHALL BE VERIFIED AND SHALL CONFORM TO THE BUILDING DESIGN DRAWINGS.

3. ALL WORK TO BE IN COMPLIANCE WITH THE RESIDENTIAL FLORIDA BUILDING CODE (FBCR), TH EDITION (2020)

4. MINIMUM DESIGN SOIL BEARING TO BE 2000 P.S.F. SOIL CAPACITY TO BE VERIFIED BY CONTRACTOR PRIOR TO CONSTRUCTION. FOOTING TO BE EXCAVATED TO CLEAN SOIL, FREE OF VEGETATION AND DELETERIOUS MATTER.

5. FILL COMPACTION: \$LAB FILL TO BE COMPACTED IN 12" LAYERS TO A MINIMUM DENSITY NOT LESS THAN 95% EXPRESSED AS A PERCENTAGE OF MAXIMUM DENSITY TO BE DETERMINED BY LABORATORY. METHOD OF TEST FOR THE COMPACTION AND DENSITY OF SOIL. (AASHTO-180) TEST TO BE VERIFIED BY INDEPENDENT TESTING LABORATORY. MIN. BEARING CAPACITY TO BE

6. CONCRETE: MINIMUM COMPRESSIVE CONCRETE STRENGTH TO BE 3000 P.S.I. IN 28 DAYS. ALL CONCRETE SHALL BE "READY MIX" AND IN ACCORDANCE WITH A.S.T.M. SPECIFICATION C-94.

7. SLAB ON FILL: 4" MIN, INTERIOR CONCRETE SLABS POURED ON FILL TO BE POURED OVER 6-MIL POLYETHYLENE OR APPROVED VAPOR RETARDER. ALL SLABS TO BE REINFORCED WITH

8. REINFORCING STEEL: REINFORCING STEEL SHALL BE FORMED NEW BILLET STEEL (A.S.TM.A.-615 GRADE 60) LAP REINFORCING A MINIMUM OF 40X BAR DIA.

. STORE LUMBER OFF GROUND, KEEP WELL VENTILATED AND COVERED. 2. CURRENT EDITION OF ASSOCIATION GRADING RULES SHALL GOVERN. 3. ALL LUMBER SHALL BEAR MARK OF AN ALSC BOARD OF REVIEW AGENCY. 4. ANY SPECIES ALLOWED UNLESS NOTED OTHERWISE 5. SIZES ARE NOMINAL. ACTUAL SIZES SHALL CONFORM TO AMERICAN LUMBER STANDARDS

6. MOISTURE CONTENT OF LUMBER 2" OR LESS IN THICKNESS SHALL BE 19% OR LESS AT THE TIME OF INSTALLATION. STRUCTURAL LUMBER TO HAVE 1300 P.S.I. PINE FIBER STRESS IN CONFORMANCE TO AMERICAN INSTITUTE OF TIMBER CONSTRUCTION AITC SPECIFICATIONS, ALL LUMBER AGAINST MASONRY OR CONCRETE TO BE PRESSURE TREATED. PLYWOOD ROOF SHEATHING TO BEAR AMERICAN PLYWOOD ASSOCIATION DESIGNATION WXT C-C DFPA (4) PANEL IDENTIFICATION INDEX 24/0 PLYWOOD TO BE

10. TERMITE TREATING: SOIL BELOW STRUCTURE TO BE TERMITE TREATED TO A DISTANCE OF 5'-0" FROM PERIMETER LINES OF BUILDING & PER TERMITE PROTECTION SPECIFICATIONS

CONTINUOUS OVER TWO OR MORE SPANS W/ GRAIN OF FACE PLYS ACROSS SUPPORTS.

II. ALL STUCCO APPLICATION AND WORKMANSHIP TO CONFORM TO ALL A.S.T.M. SPECIFICATIONS. INCLUDING ASTM C 926, ASTM C 1063, ASTM C1328/C1328M-12 & ASTMC 897.

12. PROVIDE PROTECTION AGAINST TERMITES AS PER 1TH EDITION FBCR 2020 SEC R318.

13. PROVIDE SAFETY GLAZING AS PER 1TH EDITION 2020 SEC R308.4

ELECTRICAL NOTES

I. ALL ELECTRICAL WORK SHALL BE IN STRICT ACCORDANCE W/ N.E.C. (2017), FLORIDA RES. CODE (2020), N.F.P.A., S.B.C.I, ALL APPLICABLE LOCAL CODES AND ORDINANCES AND IN COOPERATION W/ THE UTILITY COMPANIES.

2. INSTALL ELECTRICAL CABLE, WIRE AND CONNECTIONS AS INDICATED IN ACCORDANCE W/ MANUFACTURER'S WRITTEN INSTRUCTIONS THE APPLICABLE REQUIREMENTS OF N.E.C. AND THE NATIONAL ELECTRICAL CONTRACTORS ASSOCIATION "STANDARD OF INSTALLATION" AND IN ACCORDANCE W/ RECOGNIZED INDUSTRY PRACTICES TO ENSURE THAT PRODUCTS SERVE THE

3. COORDINATE THE ELECTRICAL REQUIREMENTS FOR H.V.A.C. W/ THE MECHANICAL

4. PROVIDE AND INSTALL LOCALLY CERTIFIED SMOKE / CARBON MONOXIDE DETECTORS AS REQUIRED BY THE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) AND MEETING THE REQUIREMENTS OF ALL GOVERNING CODES

5. ALL WIRING SHALL BE COPPER.

6. MOUNT OUTLETS AND RECEPTACLES PLUMB AND FLUSH W/ THE WALLS.

7. UNLESS NOTED OTHERWISE, INSTALL SWITCHES AND RECEPTACLES AT THE FOLLOWING HEIGHTS FINISH FLOOR: SWITCHES @ 42"

OUTLETS @ 14" TELEPHONE @ 14" TELEVISION @ 14"

8. ALL ROOMS EXCLUDING BATHROOM & GARAGE SHALL BE WIRED FOR ARC FAULT PROTECTION.

9. ELECTRICAL SUBCONTRACTOR TO PROVIDE T.V., TELEPHONE, AND ELECTRICAL WORK NECESSARY FOR COMPLETE WORKING SYSTEMS.

10. CONTRACTOR TO PROVIDE SURGE PROTECTION AT METER.

II. PRIOR TO STARTING WORK, THE ELECTRICAL SUBCONTRACTOR SHALL FURNISH ALL CUT SHEETS TO THE GENERAL CONTRACTOR FOR APPROVAL.

12. ELECTRICAL SUBCONTRACTOR SHALL FURNISH AND INSTALL ALL LIGHT/FANS.

13. ELECTRICAL SUBCONTRACTOR TO PROVIDE POWER AND DISCONNECTS FOR ALL H.Y.A.C., WATER HEATERS, PUMPS, MOTORS PROVIDED BY OTHERS.

14. ELECTRICAL SUBCONTRACTOR TO COORDINATE HIS WORK W/ OTHER TRADES FOR AVAILABLE SPACE, SEQUENCE OF INSTALLATION AND INSTALLATION REQUIREMENTS. ADVISE G.C. OF ANY CHANGES THAT MAY BE REQUIRED FOR THE WORK TO BE PERFORMED, TO AVOID CONFLICTS. 15. ELECTRICAL SUBCONTRACTOR SHALL PATCH ALL PENETRATIONS MADE BY HIS WORK NO ALTERATIONS OR PENETRATIONS OF THE STRUCTURAL SYSTEM MAY BE ALLOWED WITHOUT WRITTEN APPROVAL OF THE ENGINEER.

FRAMING NOTES

I, FOR ADDITIONAL DIMENSIONS AND OTHER INFORMATION SEE CONSTRUCTION DRAWINGS.

2. ROOF TRUSSES SHALL BE AS NOTED ON THE FRAMING PLANS AND DETAILS.

3. ROOF SHEATHING: 1/2" CD-X PLYWOOD

W/8d RING SHANK @ 6" O.C. EDGE NAILING \$ @ 6" OC FIELD NAILING NOTE: INCREASE NAILING FOR THE FIRST 6 FEET FROM GABLE ENDS. TO: 8d @ 4" OC EDGE NAILING \$ @ 6" OC FIELD NAILING

4. FLOOR SHEATHING: 34" T&G PLYWOOD (NAIL & GLUE) W/ 10d @ 6" O.C. EN & BN, 10" O.C. FN

5. WALL SHEATHING:

1/2" CD-X PLYWOOD FASTEN USING 8d @ 6" OC EDGE NAILING & @ 12" OC FIELD NAILING. INCREASE EDGE & FIELD NAILING TO 4" OC WITHIN 4'-0" OF CORNERS

6. ALL HARDWARE FOR FRAMING CONNECTIONS REFERRED TO ON THE CONSTRUCTION PLANS ARE TO BE "SIMPSON STRONG TIE" CONNECTORS OR AN APPROVED EQUAL UNLESS NOTED OTHERWISE.

1. ALL HARD WARE & FASTENERS IN CONTACT W/ACQ TREATED WOOD MUST BE "Z" MAX OR HOT DIPPED GALVANIZED.

8. INTERIOR NON-BEARING STUDS TO BE SPRUCE OR BETTER.

9. MISCELLANEOUS ROOF FRAMING MATERIAL TO BE #3 SOUTHERN YELLOW PINE (SYP) OR BETTER. 10. SOLE AND TOP PLATES TO BE 12 SYP OR BETTER, ALL HEADERS TO BE 12 SYP OR BETTER.

1. FBCR322.18 - ALL WOOD, INCLUDING FLOOR SHEATHING, SHALL BE PRESSURE -PRESERVATIVE-TREATED IN ACCORDANCE WITH AWPA UI FOR THE SPECIES, PRODUCTS, PRESERVATIVES AND END USE. MATERIALS AND INSTALLATION METHODS USED FOR FLOORING AND INTERIOR AND EXTERIOR WALLS AND WALL COVERING SHALL CONFORM TO THE PROVISIONS OF FEMA/FIA-TB-2.

2. FBCR322 FEMA TB 4-ELEVATOR INSTALLATION IN FLOOD HAZARD AREAS SHALL CONFORM TO THE PROVISIONS OF FEMA - TB-4.

IT IS THE INTENT OF THIS DESIGNER THAT THESE PLANS ARE ACCURATE AND ARE CLEAR ENOUGH FOR THE LICENSED PROFESSIONS- ON ALL TO CONSTRUCT THIS PROJECT. IN THE EVENT THAT SOMETHING IS UNCLEAR OR NEEDS CLARIFICATION, STOP AND CALL THE DESIGNER LISTED IN THIS TITLE PAGE. IT IS THE RESPONSIBILITY OF THE LICENSED PROFESSIONAL THAT IS CONSTRUCTING THIS PROJECT TO FULLY REVIEW THESE DOCUMENTS BEFORE CONSTRUCTION BEGINS AND ANY/ALL CORRECTIONS, IF NEEDED, TO BE MADE PRIOR TO ANY WORK.

CONSTRUCTION NOTES

MASONRY WALL CONSTRUCTION: 1. HOLLOW LOAD BEARING UNITS SHALL BE NORMAL WEIGHT, GRADE N, TYPE "2" CONFORMING TO ASTM C90, WITH A MINIMUM NET COMPRESSIVE STRENGTH OF 1900 PSI (FIM = 1500 PSI)

2. MORTAR SHALL BE TYPE "M" OR "S", CONFORMING TO ASTM C270.

3. COARSE GROUT SHALL CONFORM TO ASTM C476 WITH A MAXIMUM AGGREGATE SIZE OF 3/8" AND A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI SLUMP 8" TO II".

4. VERTICAL REINFORCEMENT SHALL BE AS NOTED ON THE DRAWINGS WITH THE CELLS FILLED WITH COARSE GROUT.

5. VERTICAL REINFORCEMENT SHALL BE HELD IN POSITION AT THE TOP, BOTTOM AND AT A MAXIMUM SPACING OF 192 BAR DIAMETERS. REINFORCEMENT SHALL BE PLACED IN THE CENTER OF THE MASONRY CELL TYPICAL UNLESS OTHERWISE NOTED.

6. REINFORCING STEEL SHALL BE LAPPED A MINIMUM OF 50 BAR DIAMETERS, UNLESS OTHERWISE NOTED ON THE DRAWINGS

7. ALL VERT. & HORIZ. REBAR LAPS TO BE AS FOLLOWS. SINGLE BAR IN CELL = 50x BAR DIA DOUBLE BAR IN CELL = 60x BAR DIA

8. ALL HORIZONTAL LAPS & HOOKS TO BE 12" MIN.

I. WOOD CONSTRUCTION SHALL CONFORM TO THE NFPA "NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION", LATEST EDITION.

2. ALL EXTERIOR WOOD STUD WALLS, BEARING WALLS, SHEAR WALLS AND MISC. STRUCTURAL WOOD FRAMING MEMBERS, (I.E. BLOCKING OR GABLE END BRACING) SHALL BE SOUTHERN PINE #2 GRADE.

3. ANY WOOD FRAME BEARING WALL STUDS THAT ARE CUT FOR PLUMBING LINES, ETC. SHALL BE REPAIRED WITH SIMPSON HSS2 STUD SHOES, OR EQUAL TYP., UN.O.

FIELD REPAIR NOTES

MISSED LINTEL STRAPS FOR MASONRY CONSTRUCTION MAY BE SUBSTITUTED W/ 1) "SIMPSON MTSI2 TWIST STRAP W/ 4) 3/16" X 2 1/4" DIA. TAPCONS TO THE BOND BEAM BLOCK AND 7) 10d TO THE TRUSS FOR UPLIFTS OF 1000 LBS. OR LESS. USE 2) FOR 2000 LBS. OR LESS. OTHERS MAY BE SUBSTITUTED ON A CASE BY CASE BASIS.

2. MISSED "J" BOLTS FOR WOOD BEARING WALLS MAY BE SUB-STITUTED W/ 1/2" DIA. A36 THREADED ROD SET IN 5/8" DIA. X 6" DEEP HOLE 2/3 FULL WITH " PROPOXY " 300 ADHESIVE BINDER FOLLOWING ALL MANUFACTURERS RECOMMENDATIONS (OR 1/2" X 6" RAWL STUD EXPANSION ANCHORS.) HOLES MUST BE CLEANED WITH WIRE BRUSH AND OIL FREE - COMPRESSED AIR PER MANUFACTURE'S INSTRUCTIONS

3. HURRICANE STRAPS MAY BE SUBSTITUTED WITH A STRAP OF GREATER UPLIFT AND LATERAL LOAD VALUE IN THE FIELD WITHOUT VERIFICATION, PROVIDED ALL MANUFACTURERS INSTALLATION INSTRUCTIONS ARE FOLLOWED

L FOUNDATION INSPECTIONS

A FOUNDATION SURVEY SHALL BE PERFORMED AND A COPY OF THE SURVEY SHALL BE ON SITE FOR THE BUILDING INSPECTORS USE, OR ALL PROPERTY MARKERS SHALL BE EXPOSED .

2. WOOD FRAMING INSPECTION: ALL PLUMBING, ELECTRICAL, AND MECHANICAL ROUGH-INS MUST BE COMPLETE, INSPECTED AND APPROVED BEFORE REQUESTING FRAMING INSPECTION.

ERMITE SPECIFICATIONS

INSTALLED WITHIN 1'-O" OF THE BUILDING SIDE WALLS.

I. PROVIDE PROTECTION AGAINST TERMITES AS PER 1TH EDITION FBCR 2020 SEC R318.

2. CONDENSATE AND ROOF DOWNSPOUTS SHALL DISCHARGE AT LEAST I'-O" AWAY FROM BUILDING SIDE WALKS. (FBC R318.5) 3. IRRIGATION/SPRINKLER SYSTEMS INCLUDING ALL RISERS AND SPRAY HEADS SHALL NOT BE

4. TO PROVIDE FOR INSPECTION FOR TERMITE INFESTATION, BETWEEN WALL. COVERING AND FINAL EARTH GRADE SHALL NOT BE LESS THAT 6 INCHES. EXCEPTION: PAINT OR DECORATIVE CEMENTITIOUS FINISH LESS THAN 5/8" THICK ADHERED DIRECTLY TO THE FOUNDATION WALL.

5. SOIL BELOW STRUCTURE TO BE TERMITE TREATED TO A DISTANCE OF 5'-0" FROM PERIMETER LINES OF BUILDING.

6. MINIMUM 6 MIL VAPOR RETARDER MUST BE INSTALLED TO PROTECT AGAINST RAINFALL

7. ALL BUILDINGS ARE REQUIRED TO HAVE PRE-CONSTRUCTION TREATMENT.

8. A CERTIFICATE OF COMPLIANCE MUST BE ISSUED TO THE BUILDING DEPARTMENT BY A LICENSED PEST CONTROL COMPANY BEFORE A CERTIFICATE OF OCCUPANCY WILL BE ISSUED. THE CERTIFICATE OF COMPLIANCE SHALL STATE: "THE BUILDING HAS RECEIVED A COMPLETE TREATMENT FOR THE PREVENTION OF SUBTERRANEAN TERMITES. THE TREATMENT IS IN ACCORDANCE WITH THE RULES AND LAWS OF THE FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES"

9. AFTER ALL WORK IS COMPLETED, LOOSE WOOD AND FILL MUST BE REMOVED FROM BELOW AND WITHIN I'-O" OF THE BUILDING. THIS INCLUDES ALL GRADE STAKES, TUB TRAY BOXES, FORMS, SHORING OR OTHER CELLULOSE CONTAINING MATERIAL.

IO. NO WOOD, VEGETATION, STUMPS, CARDBOARD, TRASH, ETC., SHALL BE BURIED WITHIN 15'-O": OF ANY BUILDING OR PROPOSED BUILDING (FBC R318.6.2)

MINIMUM UNIFORMLY DISTRIBUTED LIVE LOADS:

I. ALL LOADS PER FRBC R3015 (IN POUNDS PER SQ. FT.) UNINHABITABLE ATTICS WITHOUT STORAGE UNINHABITABLE ATTICS WITH LIMITED STORAGE HABITABLE ATTICS & ATTICS W/ FIXED STAIRS BALCONIES (EXTERIOR) & DECKS FIRE ESCAPES GUARDRAILS & HANDRAILS GUARDRAIL IN-FILL COMPONENTS 50h PASSENGER VEHICLE GARAGES ROOMS OTHER THAN SLEEPING ROOM

RUSS DESIGN CRITERIA:

SLEEPING ROOMS

I. TILE/TYP ROOF LOADS: 2. ALT SHINGLE/METAL/BITUMEN/TPO ROOF LOADS: 20# TC DL TC DL BC DL DURATION

3. INTERIOR FLOOR LOADS: INTERIOR FLOOR LOADS W/ 34" GYPCRETE POUR: TC LL TC DL TC DL BC DL

CONCEALED SPACES

DURATION

I. ALL DRAFT STOPPING SHALL COMPLY PER FBCR 1TH EDITION 2020 SECTION 302.11 \$ 302. 12. 2. ALL DRAFTSTOP SPACING & MATERIALS PER FBCR 1TH EDITION 2020 SECTION 302.11 & 302. 12. NOTE: ALL WIND PRESSURES ARE BASED ON NOMINAL WIND SPEED AS PER ASCE 1-16

WINDLOAD = H			USER ENTRIES					WIND LOAD PRESS		PRESSURES
ASCE 7-16 - Components & Cladding (C&C) for Roof & Wall Openings		INFO.	APPLYING WIND LOAD FOR:	ZONE	OPENING ELEVATION (ft.)	WIDTH (in.)	LENGTH (in.)	EFFECTIVE WIND AREA (sq.ft.)	Nominal Wind Load Pressures	
ASCE 7-16 - Components & Clauding (C&C) for Roof & Wall Openings									MAXIMUM POSITIVE PRESSURE (psf)	MAXIMUM NEGATIVE PRESSURE (psf)
WIND LOAD CALCULATION INPUTS										
General Information			Gable	1 Gable	n/a	195.0	578.0	782.7	8.9	-18.2
Design Wind Speed	Nominal	-	Gable w/Overhang	3e Gable	n/a	65.0	55.0	29.3	11.3	-55,4
Wind Velocity (mph)	130	-	Gable w/Overhang	3r Gable	n/a	65.0	65.0	29.3	11.3	-60.1
Exposure	С		Gable w/Overhang	2e Gable	n/a	65.0	578.0	260.9	8.9	-36.8
Internal Pressure	Enclosed		Gable w/Overhang	2n Gable	n/a	195.0	65.0	88.0	9.2	-47.2
Building Information		INFORMATION	Gable	2r Gable	n/a	65.0	578.0	260.9	8.9	-25.7
Height above ground, z (ft.)	0.00	- A								
Building Width (ft.)	54.16	2						TO SERVICE		
Building Length (ft.)	59.00	- 요								
Edge Strip, a (ft.)	5.42	- 655	建造产业等等。							
Roof Information		ROOF								
Roof Type	Gable	8	是是自己的国际的							
Ridge Height, h, (ft)	19.75									
Eave Height, h _e (ft)	8.16	1			AL STATE OF THE PARTY.	102 12 (7)	Water Barrie			TERRO CENTRAL
Parapet Along Roof Perimeter (ft.)	0.00									
Mean Roof Height (h) - (ft.)	14.50									
Roof Slope (x:12)	5.00		Kanada							
Roof Angle (degrees)	22.62									

THE PARTY OF	OSER EINTRIES						WIND LOAL	PRESSURES
			OPENING ELEVATION	WIDTH	LENGTH	EFFECTIVE	Nominal Wind	Load Pressures
INFO	APPLYING WIND LOAD FOR:	ZONE	OPENING ELEVATION (ft.)	(in.)	(in.)	WIND AREA (sq.ft.)	MAXIMUM POSITIVE PRESSURE (psf)	MAXIMUM NEGATIVE PRESSURE (psf)
	10 SQ FT CORNER	5		24.0	60.0	10.0	21.9	-29.4
	10 SQ FT INTERIOR	4		24.0	60.0	10.0	21.9	-23.8
	20 SQ FT CORNER	5		48.0	60.0	20.0	21.0	-27.4
	20 SQ FT INTERIOR	4		48.0	60.0	20.0	21.0	-22.8
	50 SQ FT CORNER	5		120.0	60.0	50.0	19.6	-24.8
NO	50 SQ FT INTERIOR	4		120.0	60.0	50.0	19.6	-21.5
IATI	100 SQ FT CORNER	5		171.5	84.0	100.0	18.7	-22.8
NR.	100 SQ FT INTERIOR			171.5	84.0	100.0	18.7	-20.5
NFC	200 SQ FT CORNER	5		342.8	84.0	200.0	17.2	-20.0
197	200 SQ FT INTERIOR	4		342.8	84.0	200.0	17.2	-19.1
OPENING INFORMATION								
11 0								
WALL								

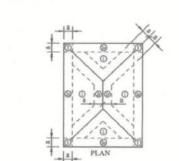
ce	(ft.)	(psf)	external pressures, (psr)
Grade Level	0.00	31.22	21.23
	0.74	31.22	21.23
	1.48	31.22	21.23
	2.23	31.22	21.23
- 1	2.97	31.22	21.23
- 1	3.71	31.22	21.23
	4.45	31.22	21.23
	5.19	31.22	21.23
	5.93	31.22	21.23
- 1	6.68	31.22	21.22

VICINITY MAP

ENCLOSED BUILDING - WALLS $h \le 60 \, FT \, (h \le 18.3 \, m)$

= 10% of least horizontal dimension or 0.4h, whichever is smaller, but not less than either 4% of least horizontal dimension or 3 ft (0.9 m). exception: For buildings with $\theta = 0^{\circ}$ to 7° and a least horizontal dimension greater than 300 ft (90 m),

dimension a shall be limited to a maximum of 0.8h = Mean roof height, in ft (m), except that eave height shall be used for $\theta \le 10^{\circ}$. 9 = Angle of plane of roof from horizontal, in degrees.



10% of least horizontal dimension or 0.4h, whichever is smaller, but not less than either 4% of least horizontal dimension or 3 ft (0.9 m). If an overhang exists, the edge distance shall be measured from the outside edge of the overhang. The horizontal dimensions used to compute the edge distance shall not include any overhang distances. Mean roof height, in fi (m), except that eave height shall be used for θ ≤ 10°.

WIND BORNE DEBRIS AREAS

EDITION FLORIDA BUILDING CODE 2020 SECTION R3012.12

WEYERHAEUSER

CAST CRETE

2. ENGINEERED LUMBER

3. CONCRETE LINTELS

THIS STRUCTURE IS IN A WIND BORNE DEBRIS REGION. PROTECTION OF GLAZED OPENINGS SHALL COMPLY WITH THE 1TH

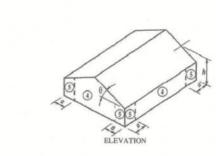
AREA OF

WIND SPECIFICATIONS BUILDING RISK CATEGORY II ULTIMATE WIND SPEED VULT = 150 MPH ALLOWABLE WIND SPEED VASD = 116 MPH

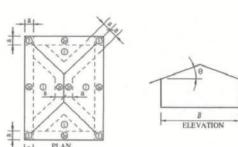
INTERNAL PRESSURE COEFFICIE	ENT GC PI= +/- Ø.I8 (ENCLOSED)								
	PRODUCT APPROVAL CODES								
CATEGORY	MANUFACTURER	PRODUCT DESCRIPTION	APPROVAL CODE NUMBER						
EXTERIOR DOORS									
I. SWINGING	THERMA TRU CORP.	IMPACT RESISTANT X GLAZED	FLI7540.5						
2. SWINGING	THERMA TRU CORP.	IMPACT RESISTANT OXO GLAZED	FL17540.6						
3. SWINGING	THERMA TRU CORP.	IMPACT RESISTANT XX GLAZED	FL2Ø468.9						
WINDOWS									
1. SINGLE HUNG	PGT	IMPACT RESISTANT	FL1435.2						
2. FIXED	PGT	IMPACT RESISTANT	FL5@12.4						
PANEL WALL									
1. SOFFITS	JAMES HARDIE	HARDIE SOFFIT	FL13265.1						
ROOFING PRODUCTS									
I. ROOFING	MCELROY METAL, INC.	STANDING SEAM METAL ROOFING	FL1832.7						
2. UNDERLAYMENTS	DREXEL METAL	METSHIELD-SELF ADHERING	FLI6342.I						
SRUCT, COMPONENTS									
1 TOUGG DI ATEG	MITEL	TOUGG DI ATEG	El 2197						

ENGINEERED LUMBER

WIND ZONE DIAGRAM



 $7 < \Theta \le 20$ DEGREES (overhang)



ding measured normal to wind direction, in ft (m) Angle of plane of roof from horizontal, in degrees.

FL6527





DRAWN BY- XM CHECK BY- TJG

20-058 DATE 03/27/23 PROGRESS SET PERMITTING SE

PAGE