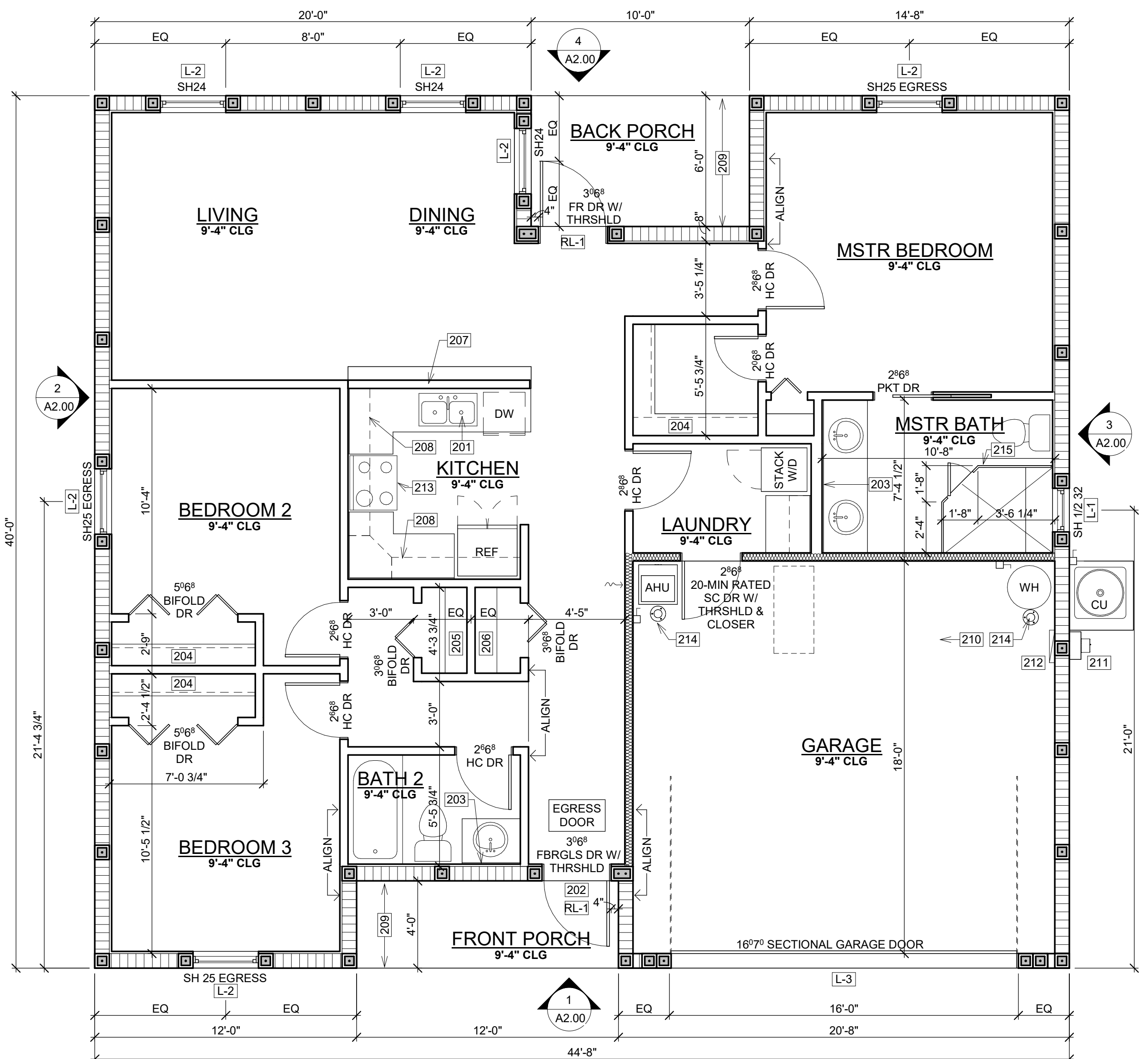


2 FOUNDATION PLAN
A1.00 1/4" = 1'-0"

- KEYNOTES FOR FOUNDATION PLAN**
- 101 8" WIDE CONCRETE CURB
 - 102 CONCRETE PAD
 - 103 A/C CHASE AND CONDENSATE LINE
 - 104 TUB/SHOWER
 - 105 SHOWER

- FOOTING & SLAB SCHEDULE**
- F-1 18" WIDE X 16" DEEP THICKENED EDGE FOOTING W/ (3) #5 BARS CONTINUOUS.
 - F-2 12" WIDE X 12" DEEP THICKENED EDGE FOOTING W/ (1) #5 BAR CONTINUOUS.
 - F-3 18" WIDE X 16" DEEP MONOLITHIC FOOTING W/ (3) #5 BARS CONTINUOUS.
 - S-1 4" (2500 PSI) POURED CONCRETE SLAB W/ FIBERMESH REINFORCING ON 6MIL VAPOR BARRIER OVER CLEAN, COMPACTED, TERMIT TREATED FILL.



1 1ST FLOOR PLAN
A1.00 1/4" = 1'-0"

- KEYNOTES FOR FLOOR PLAN**
- 201 DOUBLE SINK W/ DISPOSAL
 - 202 STEP @ EGRESS DOOR SHALL BE LESS THAN 1 1/2" MAX AFTER FINISHES ARE INSTALLED
 - 203 MIRROR
 - 204 ROD & SHELF
 - 205 (5) SHELVES
 - 206 PANTRY SHELVES
 - 207 KNEE WALL BELOW COUNTER
 - 208 UPPER CABINETS
 - 209 TRUSSES TO CANTILEVER OVER PORCH
 - 210 2x4 PULLDOWN ATTIC ACCESS
 - 211 ELECTRIC METER
 - 212 ELECTRIC PANEL
 - 213 RANGE/OVEN W/ MICROWAVE & EXHAUST ABOVE
 - 214 BOLLARD - REFER TO DETAIL
 - 215 TEMP'D GLASS SHOWER ENCLOSURE

DRYWALL NOTES

- DRYWALL SHALL CONFORM WITH SECTION R702.3.1 OF THE FLORIDA BUILDING CODE (RESIDENTIAL).
- CERAMIC TILE IN TUB/ SHOWER COMPARTMENTS SHALL CONFORM WITH SECTION R702.4 OF THE FLORIDA BUILDING CODE (RESIDENTIAL).
- WALL AND CEILING FINISHES SHALL HAVE A FLAME SPREAD CLASSIFICATION OF NOT GREATER THAN 200 AND A SMOKE-DEVELOPED INDEX OF NOT GREATER THAN 450.
- ATTIC INSULATION SHALL HAVE A CRITICAL RADIANT FLUX NOT LESS THAN 0.12 WATT PER SQUARE CENTIMETER WITH A FLAME SPREAD NOT EXCEEDING 25 WITH AN ACCOMPANYING SMOKE-DEVELOPED INDEX NOT EXCEEDING 450.
- FOAM BLOCK INSULATION SHALL HAVE A FLAME SPREAD OF NOT MORE THAN 75 AND SMOKE-DEVELOPED INDEX OF NOT MORE THAN 450.

STUCCO NOTES

STUCCO ON RIBLATH OR PAPER BACK SHALL BE ATTACHED TO HORIZONTAL FRAMING PER ASTM C-1063/ASTM C-926. LATH SHALL BE ATTACHED TO FRAMING MEMBERS WITH CORROSION RESISTANT MATERIALS. ATTACHMENTS SHALL BE SPACED NOT MORE THAN 6" O.C. ALONG SUPPORTS. FASTENERS TO BE USED CAN BE 6d COMMON OR ROOFING NAILS HAVING A MIN. 1 3/4" PENETRATION INTO HORIZONTAL FRAMING MEMBERS OR STAPLES W/ A MIN. 3/4" CROWN ENGAGED NOT LESS THAN (3) STRANDS OF LATH AND MUST PENETRATE THE WOOD FRAMING MEMBERS 3/4" MIN.

DOOR & WINDOW BUCK FASTENING

DOOR AND WINDOW BUCKS SHALL BE ATTACHED WITH CASE HARD NAILS @ 12" O.C., WITH THE DOORS AND WINDOWS FASTENED W/ TAPCONS PER THE PRODUCT REVIEW AFFIDAVIT WITH A MINIMUM OF 1 1/4" EMBEDMENT INTO CONCRETE (THROUGH FRAME). BUCK SHALL EXTEND BEYOND THE INTERIOR FACE OF THE FRAME PER 2017 FLORIDA BUILDING CODE W/ AMENDMENTS.

LINTEL SCHEDULE

MANUFACTURER: CAST-CRETE

LINTEL NO.	LENGTH	SAFE GRAVITY LOAD	APPLIED GRAVITY LOAD	SAFE UPLIFT LOAD	APPLIED UPLIFT LOAD	COMPOSIT BEAM
L-1	3'-6"	8972	261	5263	491	8F24/1T-1B
L-2	4'-6"	8672	1729	4043	958	8F24/1T-1B
L-3	17'-4"	1326	991	521	438	8F22/1T-1B

RECESSED LINTEL SCHEDULE

MANUFACTURER: CAST-CRETE

LINTEL NO.	LENGTH	SAFE GRAVITY LOAD	APPLIED GRAVITY LOAD	SAFE UPLIFT LOAD	APPLIED UPLIFT LOAD	COMPOSIT BEAM
RL-1	4'-6"	8060	1424	3607	578	8RF22/1T-1B

NOTES: ALL LOADS ARE IN POUNDS PER LINEAL FOOT. APPLIED LOADS SHOW WORST CASE FOR LINTEL SIZE. REFER TO STRUCTURAL NOTES FOR ADDITIONAL INFORMATION.

GENERAL NOTES

- ALL WORK TO BE PERFORMED PER 2020 FLORIDA BUILDING CODE.
- BUILDER TO COORDINATE THE WORK OF ALL TRADES.
- BUILDER SHALL REVIEW DRAWINGS IN THEIR ENTIRETY BEFORE STARTING WORK AND NOTIFY THE ARCHITECT OF ANY DISCREPANCIES WITHIN THE DRAWINGS.
- DO NOT SCALE THE DRAWINGS.
- ALLS ARE DIMENSIONED ARE TO FACE OF MASONRY SURFACES AND FINISHED FACE OF STUD WALLS, UNLESS NOTED OTHERWISE. CONTRACTOR TO TAKE INTO ACCOUNT THICKNESSES OF FINISHES WHEN LAYING OUT WALLS TO ENSURE MINIMUM CLEARANCES ARE MET.
- BUILDER IS RESPONSIBLE FOR ADEQUATE BRACING OF STRUCTURAL AND NON STRUCTURAL MEMBERS DURING CONSTRUCTION. TRUSSES ARE TO BE INSTALLED USING SAFE ERECTION PROCEDURES AS RECOMMENDED IN THE GUIDELINES PROVIDED BY THE TRUSS COMPANY.
- ALL WINDOWS AND DOORS SHALL BE CAULKED AND WEATHER STRIPPED. EXTERIOR DOOR JAMBS SHALL BE SET IN A BED OF SILICONE CAULKING OR OTHER WATER PROOFING PRODUCT DESIGNED TO STOP WATER PENETRATION INTO THE WOOD.
- PROVIDE FIREBLOCKING AT OPENINGS AROUND VENTS, PIPES, DUCTS, CABLES AND WIRES, BOTH HORIZONTALLY IN WALL STUDS AND VERTICALLY AT FLOORS & CEILINGS. REFER TO FBC R302.11 FOR ADDITIONAL INFORMATION.

STRUCTURAL NOTES

- STRUCTURAL LUMBER TO BE HEM-FIR #2 GRADE OR BETTER W/ 1000 PSI MIN. FIBER STRESS VALUE
- CONCRETE SLABS AND FOOTINGS TO BE 2500 PSI MIN
- REINFORCING STEEL SHALL BE GRADE 60 OR BETTER W/ 30" MIN. LAP CONCRETE COVER OVER REINFORCING STEEL:
 - A. FOOTINGS: 3"
 - B. BEAMS: 1 1/2"
 - C. COLUMNS: 1 1/2"
- FILL (SOIL) SHALL BE PLACED IN LIFTS NOT TO EXCEED 12" AND COMPACTED TO A MINIMUM OF 95% MODIFIED PROCTOR DENSITY
- ALL COMPONENTS OF THIS STRUCTURE HAVE BEEN DESIGNED AND SELECTED TO WITHSTAND FORCES PER THE FLORIDA BUILDING CODE 2020 EDITION
- DOOR & WINDOW ASSEMBLY COMPONENTS TO BE CERTIFIED BY MANUFACTURER FOR WIND FORCES PER THE FLORIDA BUILDING CODE 2020 EDITION PER WIND LOAD COMPLIANCE DESIGN PRESSURES
- PRECAST/ PRESTRESSED CONCRETE LINTELS TO HAVE 6" MINIMUM BEARINGS. REFER TO LINTEL SCHEDULE FOR ADDITIONAL INFORMATION.
- FOR METHOD OF ATTACHMENT OF DOORS & WINDOWS, REFER TO ATTACHED PRODUCT REVIEW AFFIDAVIT

NOTE: ALL SIMPSON STRONT-TIE PRODUCTS IN CONTACT WITH TREATED LUMBER SHALL HAVE A MINIMUM Z-MAX COATING OR BETTER

CERTIFICATION FOR DESIGN LOAD COMPLIANCE

- DESIGN CODE: **FLORIDA RESIDENTIAL CODE 2020 EDITION USING ASCE 7-16**
- STRUCTURAL DESIGN: **ENCLOSED**
- RISK CATEGORY: **II** EXPOSURE CATEGORY: **C**
- DESIGN WIND VELOCITY: **160 MPH**
- MEAN ROOF HEIGHT: **19'-8"** ROOF PITCH: **6:12**
- COMPONENTS & CLADDING DESIGN PRESSURE: **PSF, BASED ON ACTUAL SQ. FT. @ 30' MRH (WORST CASE)**
 ZONE 1, 2e, 2r: **-39.3** ZONE 2n, 3r: **-32** ZONE 3e: **-55.7**
 ZONE 4: **-28.7** ZONE 5: **-34.5** GARAGE: **-26.0**
- DESIGN LOADS: **FLOOR 75 PSF** ROOF/ DEAD: **15 PSF** ROOF/ LIVE: **30 PSF**
- WERE SHEAR WALLS CONSIDERED FOR STRUCTURE? **YES**
- IS A CONTINUOUS LOAD PATH PROVIDED? **YES**
- DESIGN SOIL BEARING PRESSURE: **2000 PSF**

FIREBLOCKING NOTES

- FIREBLOCKING SHALL BE PROVIDED IN THE FOLLOWING LOCATIONS:
- IN CONCEALED SPACES OF STUD WALLS AND PARTITIONS, INCLUDING FURRED SPACES AND PARALLEL ROWS OF STUDS OR STAGGERED STUDS, AS FOLLOWS:
 - 1.1 VERTICALLY AT THE CEILING AND FLOOR LEVELS.
 - 1.2 HORIZONTALLY AT INTERVALS NOT EXCEEDING 10 FEET
 - AT INTERCONNECTIONS BETWEEN CONCEALED VERTICAL AND HORIZONTAL SPACES SUCH AS OCCUR AT SOFFITS, DROP CEILINGS AND COVE CEILINGS.
 - AT OPENINGS AROUND VENTS, PIPES, DUCTS, CABLES AND WIRES AT CEILING AND FLOOR LEVEL, WITH AN APPROVED MATERIAL TO RESIST THE FREE PASSAGE OF FLAME AND PRODUCTS OF COMBUSTION. THE MATERIAL FILLING THIS ANNULAR SPACE SHALL NOT BE REQUIRED TO MEET THE ASTM E136 REQUIREMENTS.

AREA CALCULATIONS

AIR CONDITIONED AREAS		
A/C LIVING		1,302 SF
NON CONDITIONED AREAS		
GARAGE		376 SF
BACK PORCH		60 SF
FRONT PORCH		48 SF
GROSS AREA		
GROSS AREA		1,786 SF

PRODUCT REVIEW

PRODUCT	OPENING DESIGN PRESSURES (WORST CASE)	PRODUCT DESIGN PRESSURES	MANUFACTURER	MODEL #	APPROVAL #	CLASS TYPE	ATTACHMENT METHOD
ROOFING	ZONE 1, 2e, 2r -39.3 ZONE 2n, 3r -32.0 ZONE 3e -55.7	-110.5 -110.5 -151.75	VALUE METAL CORPORATION	VMC 5V CRIMP ARCHITECTURAL METAL ROOF SYSTEM	NOA# 18-0228.04	N/A	#9 HEX HEAD SCREWS OF SUFFICIENT LENGTH TO PENETRATE THROUGH SHEATHING MIN. 3/16" @ 12" O.C. FIELD, 6" O.C. PERIMETER
ROOFING UNDRMNT.	ZONE 1, 2e, 2r -39.3 ZONE 2n, 3r -32.0 ZONE 3e -55.7		POLYGLASS USA, INC	POLYSTYCK TU MAX	NOA# 21-0602.14	N/A	SELF ADHERED
WINDOWS (SNGL HUNG)	ZONE 4 -28.7 ZONE 5 -34.0	-55.0	CGI WINDOWS	185 SH	FL# 23358.2	IMPACT	1/4" TAPCONS W/ 1 3/8" MIN. EMBEDMENT AND 1" MIN. EDGE DISTANCE @ 21/23" O.C. MAX (ABOVE / BELOW MEETING RAIL), 9" MAX FROM CORNERS @ JAMBS
DOOR (OPAQUE)	ZONE 4 -28.7	-65	PLASTPRO	OPAQUE FIBERGLASS SINGLE DOOR	FL# 17184.5	IMPACT	1/4" TAPCONS W/ 1 1/4" MIN. EMBEDMENT AND 2" MIN EDGE DISTANCE @ 14 1/2" O.C. MAX ON JAMBS, 6" FROM CORNERS @ JAMBS & HEAD
DOOR (GLAZED)	ZONE 4 -28.7	-50	PLASTPRO	GLAZED FIBERGLASS SINGLE DOOR	FL# 17184.1	IMPACT	1/4" TAPCONS W/ 1 1/4" MIN. EMBEDMENT AND 2" MIN EDGE DISTANCE @ 14 1/2" O.C. MAX ON JAMBS, 6" FROM CORNERS @ JAMBS & HEAD
GARAGE DOOR	-26.0	-52.0	CLOPLAY BUILDING PRODUCTS	DSIE-1F471	FL# 16546.25	NONE	5/16 X 1-5/8" LAG SCREWS 3 PER BRACKET @ 12" O.C. WITH 1-1/4" MINIMUM EMBED.

THE SEAL HEREON IS PROVIDED ONLY TO INDICATE OUR REVIEW AND APPROVAL FOR USE OF PRODUCTS LISTED FOR THIS STRUCTURE. THE ACCEPTANCE OF THESE PRODUCTS AND METHODS OF ATTACHMENT ARE BASED ENTIRELY UPON TEST DATA PROVIDED BY THE MANUFACTURER, WHICH CARRIES ITS OWN ENGINEER'S CERTIFICATION AND IMPLIES NO WARRANTY OR GUARANTEE BY THIS OFFICE FOR THESE PRODUCTS.

TABLE R301.2(1) CLIMATIC AND GEOGRAPHIC DESIGN CRITERIA

GROUND SNOW LOAD	WIND DESIGN Speed ^d (mph)	Topographic effects ^e	SEISMIC DESIGN CATEGORY ¹	SUBJECT TO DAMAGE FROM Weathering ⁴ Frost line depth ⁵	Termites ⁶	WINTER DESIGN TEMP ⁷	ICE BARRIER UNDERLAYMENT REQUIRED ⁸	FLOOD HAZARDS ⁹	AIR FREEZING INDEX ¹	MEAN ANNUAL TEMP ¹
NA	See Fig. R301.2(4)	NA	Negligible	NA	Very Heavy	NA	NA	NA	NA	NA

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3/1/2 SPEC HOUSE

FT. PIERCE, FL

CLIENT



CONSULTANTS

REGISTRATION

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REVISIONS

NO.	DATE	REVISION

KEY PLAN

SHEET TITLE / SHEET NUMBER

FLOOR PLAN, FOUNDATION PLAN & GENERAL NOTES

A1.00

PROJECT NUMBER **R22020**
DATE **01/19/2023**

