Galaxy S25 Ultra

Galaxy S25 Ultra

Galaxy S25 Ultra

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Galaxy S25 Ultra

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Galaxy S25 Ultra
R MAX
THERMASHEATH

Galaxy S25 Ultra

MAX
THERMASHEATH
Galaxy S25 Ultra

Galaxy S25 Ultra

Galaxy S25 Ultra

Galaxy S25 Ultra

Galaxy S25 Ultra

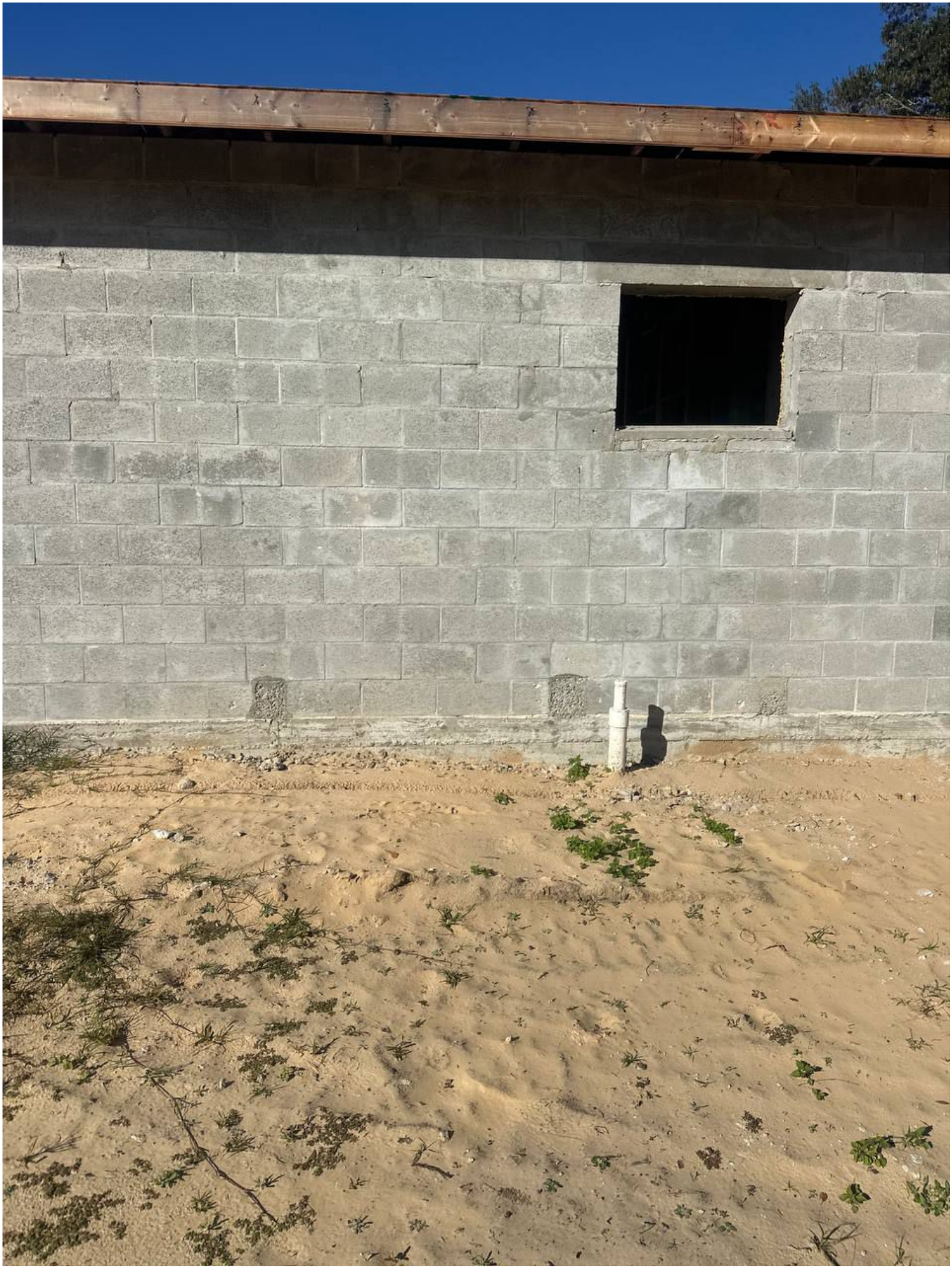
Galaxy S25 Ultra

E37
E37
C5
Semi

MMM

THERMASHEAT
CONTINUOUS INSULATION

MAX
THERMASHEAT
CONTINUOUS INSULATION



PRESTRESSED

MMM 7'-6"

MAX
THERMASHEATH

MAX
THERMASHEATH
CONTINUOUS INSULATION

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PROPERTIES
R-Value
3.2
4.0
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20.3
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31.0
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Why choose Rmax Polyiso over other
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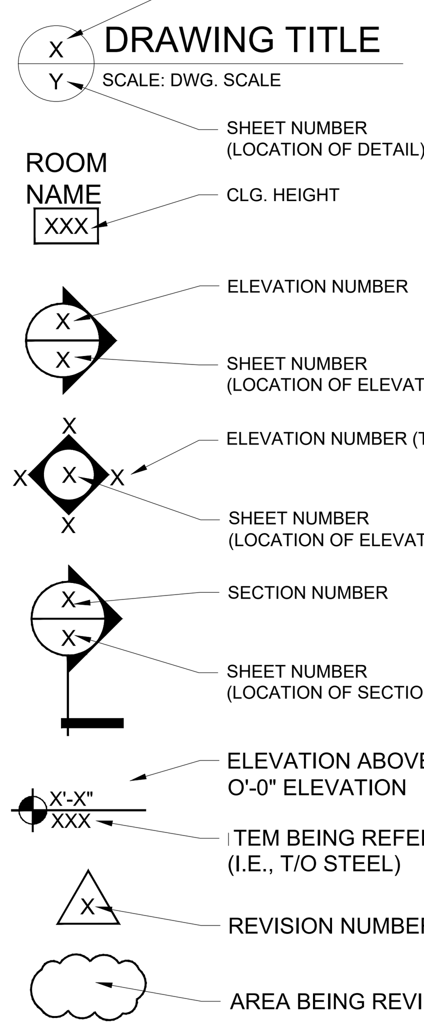
THERMASHEATH®
CONTINUOUS INSULATION
Chronicles
For now have
Chosen and sa
this house, that m
name may be the re
Every: and mine eyes
and mine heart shall
Perpetually.

LIST OF ABBREVIATIONS

AB	ANCHOR BOLT
ABV	ABOVE
AFF	ABOVE FINISHED FLOOR
ADJ	ADJACENT
AHU	AIR HANDLER UNIT
ALUM	ALUMINUM
BRG	BEARING
BLK	BLOCK
BOTT	BOTTOM
BLDG	BUILDING
B.O	BOTTOM OF
CLG	CEILING
CLR	CLEAR, CLEARANCE
COL	COLUMN
CONC	CONCRETE
CMU	CONCRETE MASONRY UNIT
CU	CONDENSER UNIT
CONST	CONSTRUCTION
CONT	CONTINUE, CONTINUOUS
CJ	CONTROL JOINT
DIAG	DIAGONAL
DIA	DIAMETER
DIM	DIMENSION
DN	DOWN
DS	DOWNSPOUT
DWG	DRAWING
DW	DISHWASHER
EA	EACH
EW	EACH WAY
ELEC	ELECTRIC
EWC	ELECTRIC WATER COOLER
ELEV	ELEVATION (VERTICAL HEIGHT)
EQ	EQUAL
EXH	EXHAUST
EJ	EXPANSION JOINT
EXT	EXTERIOR
FA	FIRE ALARM
FE	FIRE EXTINGUISHER
FIXT	FIXTURE
FD	FLOOR DRAIN
FTG	FOOTING
FUR	FURRED
FT	FOOT
GA	GAGE, GAUGE
GALV	GALVANIZED
GFI	GROUND FAULT INTERRUPTER
GYP BD	GYPSUM WALLBOARD
HDR	HEADER
HVAC	HEATING/VENTILATIONG/AIR CONDITIONING
HT	HEIGHT
HC	HOLLOW CORE
HORZ	HORIZONTAL
HB	HOSE BIBB
HM	HOLLOW METAL
INCL	INCLUDE, (ED), (ING)
ID	INSIDE DIAMETER
INSUL	INSULATE, (ED), (ING)
INT	INTERIOR
IN	INCH
JT	JOINT
LAV	LAVATORY
LT	LIGHT
LW	LIGHTWEIGHT
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
MAX	MAXIMUM
MET	METAL
MW	MICROWAVE
MIN	MINIMUM MINIMUM
MISC	MISCELLANEOUS
MO	MASONRY OPENING
N/A	NOT APPLICABLE
NOM	NOMINAL
NTS	NOT TO SCALE
OC	ON CENTER
OPNG	OPENING
OD	OUTSIDE DIAMETER
OHD	OVERHEAD
OPP	OPPOSITE
PLWD	PLYWOOD
PT	PRESSURE TREATED
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PREFAB	PREFABRICATE, (ED)
PFN	PREFINISHED
QT	QUARRY TILE
RAD	RADIUS
REC	RECESS, (ED)
REF	REFRIGERATOR
REINF	REINFORCE, (ED), (ING)
REQ'D	REQUIRED
RA	RETURN AIR
R/S	ROD AND SHELF
RD	ROOF DRAIN
RO	ROUGH OPENING
SCH	SCHEDULE
SECT	SECTION
SHT	SHEET
SH	SINGLE HUNG
SIM	SIMILAR
SC	SOLID CORE
SGD	SLIDING GLASS DOOR
SPK	SPEAKER
SPEC	SPECIFICATION
SQ	SQUARE
STD	STANDARD
STO	STORAGE
STR	STRUCTURAL
SYS	SYSTEM
TEL	TELEPHONE
TEMP	TEMPERED
TV	TELEVISION
THK	THICK, (NESS)
T&G	TONGUE AND GROOVE
TYP	TYPICAL
T.O	TOP OF
UNO	UNLESS NOTED OTHERWISE
VB	VAPOR BARRIER
VERT	VERTICAL
VCT	VINYL COMPOSITION TILE
VP	VAPOR PROOF
VTR	VENT THROUGH ROOF
WH	WATER HEATER
WC	WATER CLOSET
WP	WATERPROOFING
WR	WATER RESISTANT
WWF	WELDED WIRE FABRIC
W/	WITH
W/O	WITHOUT
WD	WOOD

SYMBOL LEGEND



DETAIL NUMBER

SHEET NUMBER (LOCATION OF DETAIL)

CLG. HEIGHT

ELEVATION NUMBER

SHEET NUMBER (LOCATION OF ELEVATION)

ELEVATION NUMBER (TYPICAL)

SHEET NUMBER (LOCATION OF ELEVATION)

SECTION NUMBER

SHEET NUMBER (LOCATION OF SECTION)

ELEVATION ABOVE REFERENCE O'-0" ELEVATION

ITEM BEING REFERENCED (I.E., T/O STEEL)

REVISION NUMBER

AREA BEING REVISED

MODEL SAPPHIRE

INDEX OF DRAWINGS:

GENERAL:

CS COVER SHEET

ARCHITECTURE:

A-01 FOUNDATION PLAN
A-02 FLOOR PLAN
A-03 ROOF FRAMING PLAN
A-04 ELEVATIONS
A-05 SECTIONS & DETAILS

ELECTRICAL:

E-01 ELECTRICAL PLAN

GENERAL NOTES:

1. THE CONTRACTOR SHALL BE FAMILIAR WITH PROVISIONS OF ALL APPLICABLE CODES AND SHALL INSURE THE COMPLIANCE OF THE WORK WITH ALL LOCAL, STATE, AND FEDERAL CODES. IN THE EVENT OF CONFLICT BETWEEN LOCAL, STATE, AND FEDERAL CODES, THE MORE STRONGEST SHALL GOVERN.
2. THESE DOCUMENTS DO NOT INCLUDE THE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY. SAFETY, CARE OF ADJACENT PROPERTIES DURING CONSTRUCTION, COMPLIANCE WITH STATE AND FEDERAL REGULATIONS REGARDING SAFETY, AND COMPLIANCE WITH REQUIREMENTS SPECIFIED IN THE OWNER/CONTRACTOR AGREEMENT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
3. CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK AT ALL TIMES, AND SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, AND TECHNIQUES, SAFETY PROCEDURES, AND FOR COORDINATING ALL PORTIONS OF THE WORK.
4. DO NOT SCALE THE DRAWINGS. USE WRITTEN DIMENSIONS FOR ALL MEASUREMENTS. IN THE EVENT THAT A DIMENSION IS MISSING, OR THERE IS A CONFLICT BETWEEN DIMENSIONS, THE CONTRACTOR SHALL OBTAIN WRITTEN DIRECTION FROM THE ENGINEER BEFORE PROCEEDING WITH THAT PORTION OF THE WORK.

STRUCTURAL NOTES

GENERAL:

1. ALL WORK TO BE IN STRICT ACCORDANCE WITH FLORIDA BUILDING CODE RESIDENTIAL 2023, 8th EDITION AND ASCE 7-22.
2. DO NOT SCALE DRAWINGS, USE WRITTEN DIMENSIONS FOR ALL MEASUREMENTS. ALL DIMENSIONS ARE FACE OF STUD OR FACE OF CMU.

CONCRETE:

1. ALL WORK TO BE IN STRICT ACCORDANCE WITH ACI 318.
2. MIX DESIGN CRITERIA: REFER TO THE SPECIFICATIONS. ALL CONCRETE TYPE I PORTLAND CEMENT (ASTM C150) 3,000 PSI COMPRESSIVE STRENGTH @28 DAYS. (U.O.N) W/C RATIO LESS OR EQUAL TO 0.58 SLUMP - SLAB ON GRADE: 5" WATER: POTABLE CHLORIDE: NONE

FOUNDATIONS:

1. FOOTING DESIGN BASED ON A MINIMUM ALLOWABLE SOIL BEARING PRESSURE OF 2,500 PSF.
2. CAUTION SHALL BE USED WHEN OPERATING VIBRATORY COMPACTION EQUIPMENT NEAR EXISTING STRUCTURES TO AVOID RISK OF DAMAGING THE EXISTING STRUCTURE.
3. IF FOOTING ELEVATION OCCURS IN DISTURBED, UNSTABLE OR UNSUITABLE SOIL, THE ENGINEER SHALL BE NOTIFIED AND NECESSARY ADJUSTMENTS SHALL BE MADE PER HIS INSTRUCTIONS.
4. TERMITE PROTECTION SHALL BE PROVIDED BY REGISTERED TERMITICIDES, TERMITE PROTECTION SHALL BE PROVIDED BY REGISTERED TERMITICIDES, INCLUDING SOIL APPLIED PESTICIDES, BAITING SYSTEMS AND PESTICIDES APPLIED TO WOOD. UPON COMPLETION OF THE TERMITE PROTECTION TREATMENT, A CERTIFICATE OF COMPLIANCE SHALL BE ISSUED TO THE BUILDING DEPARTMENT BY THE LICENSED PEST CONTROL COMPANY THAT CONTAINS THE FOLLOWING STATEMENT: "THE BUILDING HAS RECEIVED A COMPLETE TREATMENT FOR THE PREVENTION OF SUBTERRANEAN TERMITES. TREATMENT IS IN ACCORDANCE WITH THE RULES AND LAWS ESTABLISHED BY THE FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES. (FBC-R318.1)

MASONRY:

1. DESIGN, MATERIAL AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE ACI DESIGN, MATERIAL AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE ACI STANDARD BUILDING CODE REQUIREMENTS FOR CONCRETE MASONRY STRUCTURES: ACI 530/ACI 530.1.
2. CMU CELLS INDICATED IN PLAN OR NOTES AS FILLED CELLS SHALL BE GROUTED WITH 3,000 PSI CONCRETE. (8" TO 10" SLUMP)
3. CMU CONCRETE BLOCKS SHALL CONFORM TO ASTM C-90 (28 DAY STRENGTH 2,000 PSI) (F'm=1,500 PSI), LAID IN RUNNING BOND.
4. MORTAR SHALL BE TYPE S OR M.
5. PROVIDE VERTICAL REINFORCING IN CMU WALLS AS SHOWN IN PLANS.
6. ROVIDE HORIZONTAL JOINT REINFORCING AT 24" O.C. VERTICAL IN CMU WALLS.
7. ALL REINFORCING STEEL SHALL CONFORM WITH ASTM A615, GRADE 60.

WOOD:

1. FOR STRUCTURAL LUMBER, PROVIDE THE FOLLOWING GRADE AND SPECIES (OR EQUIVALENT): SOUTHERN PINE GRADE #2 DENSE W/ Fb=1,300 PSI MIN.
2. ALL WOOD IN CONTACT WITH GROUND, EMBEDDED IN CONCRETE IN DIRECT CONTACT ALL WOOD IN CONTACT WITH GROUND, EMBEDDED IN CONCRETE IN DIRECT CONTACT WITH THE GROUND OR EMBEDDED IN CONCRETE EXPOSED TO THE WEATHER THAT SUPPORTS PERMANENT STRUCTURES INTENDED FOR HUMAN OCCUPANCY SHALL BE APPROVED PRESSURE PRESERVATIVE TREATED WOOD SUITABLE FOR GROUND CONTACT USE.
3. WOOD TRUSSES SHALL BE SIZED AND DETAILED TO FIT THE DIMENSIONS AND LOADS. PERMANENT BRIDGING PERPENDICULAR TO THE SPAN OF THE TRUSS SHALL BE PROVIDED AS REQUIRED BY TRUSS MANUFACTURER.
4. PROVIDE GALVANIZED METAL HANGERS AND FRAMING ANCHORS OF THE SIZE AND TYPE RECOMMENDED BY TRUSS MANUFACTURER (SIMPSON STRONG TIE OR EQUIVALENT)
5. PROVIDE HURRICANE CLIPS OR ANCHORS AT ALL CONNECTIONS.
6. ALL BOLTS USED FOR CONSTRUCTION SHALL BE "~ MIN. (ASTM A-370). 12"~ MIN. (ASTM A-370).

VERIFICATION OF FIELD CONDITIONS:

CONTRACTOR SHALL VERIFY ALL FIELD CONDITIONS AND DIMENSIONS RELATIVE TO SAME. WHERE THERE ARE CONFLICTS BETWEEN ACTUAL FIELD CONDITIONS AND DATA PRESENTED IN THE DRAWINGS, SUCH CONDITIONS SHALL BE CALLED TO THE ENGINEER'S ATTENTION AND NECESSARY ADJUSTMENTS MADE PER HIS INSTRUCTIONS.

DESIGN PARAMETERS

APLICABLES CODES:
2023 FLORIDA BUILDING CODE (8TH EDITION)
2023 FLORIDA BUILDING CODE RESIDENTIAL (8TH EDITION)
2023 (ACCESSIBILITY)
2023 (ENERGY CONSERVATION)
2023 (EXISTING BUILDING)
2023 (FUEL GAS)
2023 (MECHANICAL)
2023 (PLUMBING)
2020 N.E.C. ELECTRICAL CODE
CHAPTER FAC 69A-60 OF THE FLORIDA FIRE PREVENTION CODE, 8th EDITION

METHOD OF DESIGN:
DESIGNED PURSUANT TO RESIDENTIAL FLORIDA BUILDING CODES 2023-8th EDITION CHAPTER 16 & 20, AA-ASM-35 SPECIFICATIONS FOR ALUMINUM STRUCTURES, & ASCE 7-10 MINIMUM DESIGN LOAD, & ASCE 7-16, SECTION 26.2 BUILDING PARTIALLY (IF APPLICABLE) & CHAPTER 32 OF ASCE-7 SECTION 1603.1.4 (TORNADO LOADS)

BASIC WIND SPEED:
- ☐ 170 MPH (ULTIMATE DESIGN 3 SECOND GUST) = 132 MPH NOMINAL DESIGN/FASTEST MILE)
- ☐ 160 MPH (ULTIMATE DESIGN 3 SECOND GUST) = 124 MPH NOMINAL DESIGN/FASTEST MILE)
- ☐ 150 MPH (ULTIMATE DESIGN 3 SECOND GUST) = 116 MPH NOMINAL DESIGN/FASTEST MILE)
- ☒ 140 MPH (ULTIMATE DESIGN 3 SECOND GUST) = 110 MPH NOMINAL DESIGN/FASTEST MILE)

RISK CATEGORY:
- ☐ 1
- ☐ 3
- ☒ 2
- ☐ 4

BUILDING OCCUPANCY CLASSIFICATION:
- ☐ GROUP A - ASSEMBLY
- ☐ GROUP H - HAZARDOUS
- ☐ GROUP B - BUSINESS
- ☐ GROUP I - INSTITUTIONAL
- ☐ GROUP C - COMMERCIAL
- ☐ GROUP M - MERCANTILE
- ☐ GROUP D - DAY CARE CENTER
- ☒ GROUP R - RESIDENTIAL
- ☐ GROUP E - EDUCATIONAL
- ☐ GROUP S - STORAGE
- ☐ GROUP F -FACTORY INDUSTRIAL

BUILDING OCCUPANCY CLASSIFICATION:
- ☐ TYPE I-A
- ☐ TYPE II-B
- ☐ TYPE IV
- ☐ TYPE I-B
- ☐ TYPE III-A
- ☐ TYPE V-A
- ☐ TYPE II-A
- ☐ TYPE III-B
- ☒ TYPE V-B

EXPOSURE CATAGORY:
- ☐ A
- ☐ C
- ☒ B
- ☐ D

WINDBORNE DEBRIS REGION:
- ☐ NO
- ☒ YES
  - ☐ IMPACT RESISTANT GLAZING
  - ☐ IMPACT RESISTANT COVERING
  - ☐ COMBINATION OF IMPACT RESISTANT GLAZING / COVERING

INTERNAL PRESSURE COEFFICIENTS:
- ☐ N/A
- ☐ 0.00 (OPEN)
- ☒ + 0.18, -0.18 (ENCLOSED)
- ☐ + 0.55, -0.55 (PARTIALLY ENCLOSED)

CLASSIFICATION OF WORK
- ☒ NEW CONSTRUCTION
- ☐ CHANGE OF OCCUPANCY
- ☐ ADDITION / REMODEL
- ☐ HISTORIC BUILDING

WIND DESIGN DATA

ULTIMATE DESIGN WIND SPEED	140 MPH
NOMINAL DESIGN WIND SPEED	110 MPH
RISK CATEGORY	II
EXPOSURE CATEGORY	B
ENCLOSURE CLASSIFICATION & INTERNAL PRESURE COEFF.	ENCLOSED (±0.18)
COMPONENTS & CLADDING	ROOF: (+16.1/-30.03) PSF WALLS: (+33.1/-36.1) PSF

SECTION R806
ROOF VENTILATION

R806.1 Ventilation required. Enclosed attics and enclosed rafter spaces formed where ceilings are applied directly to the underside of roof rafters shall have cross ventilation for each separate space by ventilating openings protected against the entrance of rain or snow. Ventilation openings shall have a least dimension of $^1/_{16}$ inch (1.6 mm) minimum and $^1/_4$ inch (6.4 mm) maximum. Ventilation openings having a least dimension larger than $^1/_4$ inch (6.4 mm) shall be provided with corrosion-resistant wire cloth screening, hardware cloth, perforated vinyl or similar material with openings having a least dimension of $^1/_{16}$ inch (1.6 mm) minimum and $^1/_4$ inch (6.4 mm) maximum. Openings in roof framing members shall conform to the requirements of Section R802.7. Required ventilation openings shall open directly to the outside air and shall be protected to prevent the entry of birds, rodents, snakes and other similar creatures.

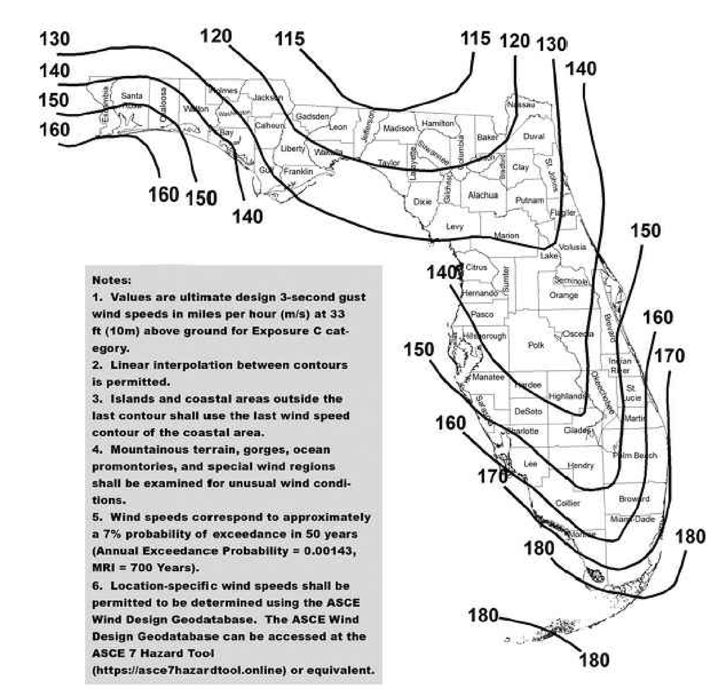


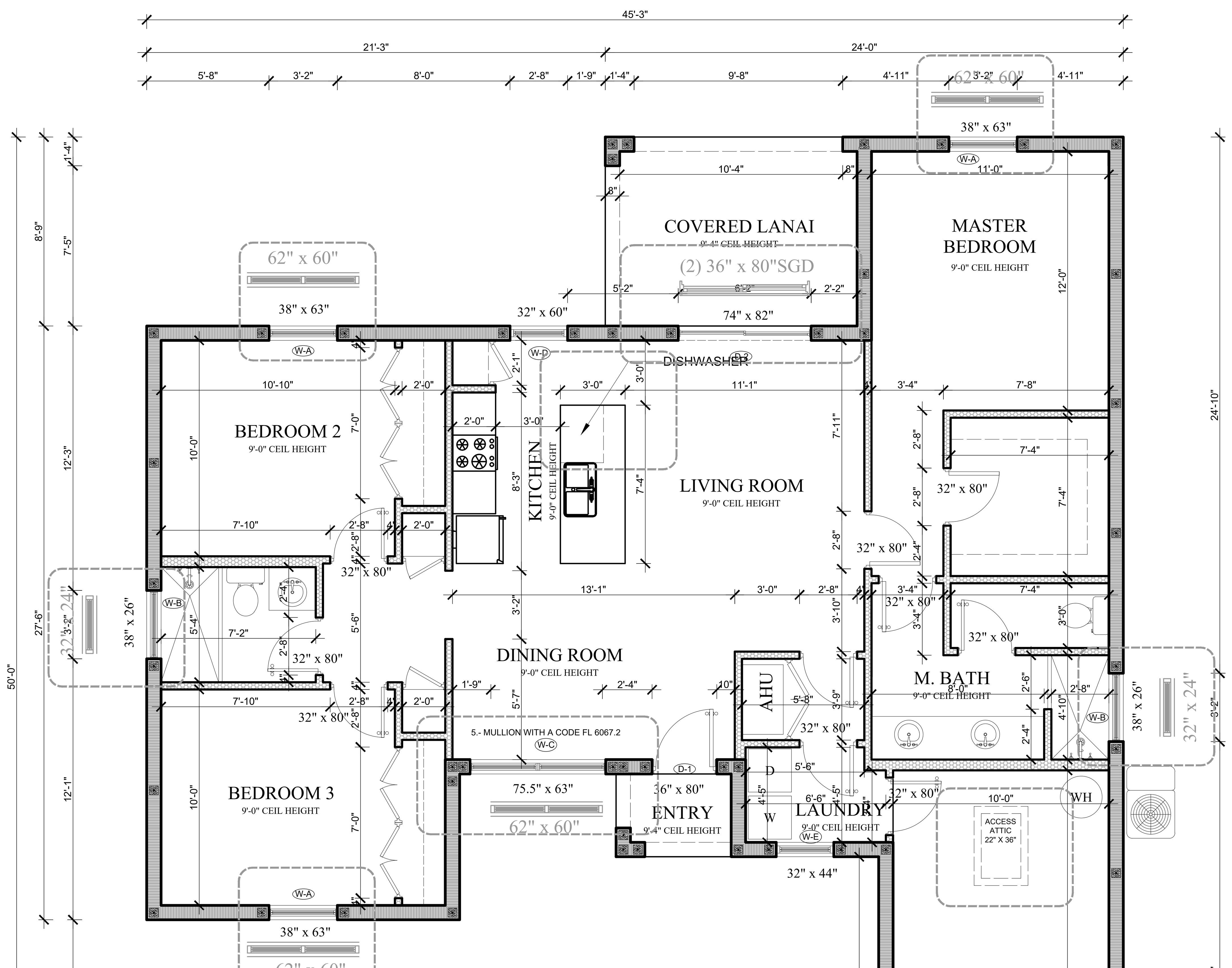
FIGURE 1609.3(1)
ULTIMATE DESIGN WIND SPEEDS, V_{ULT}, FOR RISK CATEGORY II BUILDINGS AND OTHER STRUCTURES

JURISDICTION APPROVALS

SILVESTRE MARCHAN L.
CIVIL ENGINEER
C.E.O.
SERVICES AND INVESTMET OTIM LLC

O.T.I.M. SERVICES AND INVESTMENT OTIM LLC. Consulting, Design, Proyect and Construction..
863-440.89.28 servicesandinvestmentotimllc@gmail.com

PROJECT:
MODEL SAPPHIRE
OWNER:
X
JOB SITE ADDRESS:
14689 SW 24TH PL, OCALA FL 34481

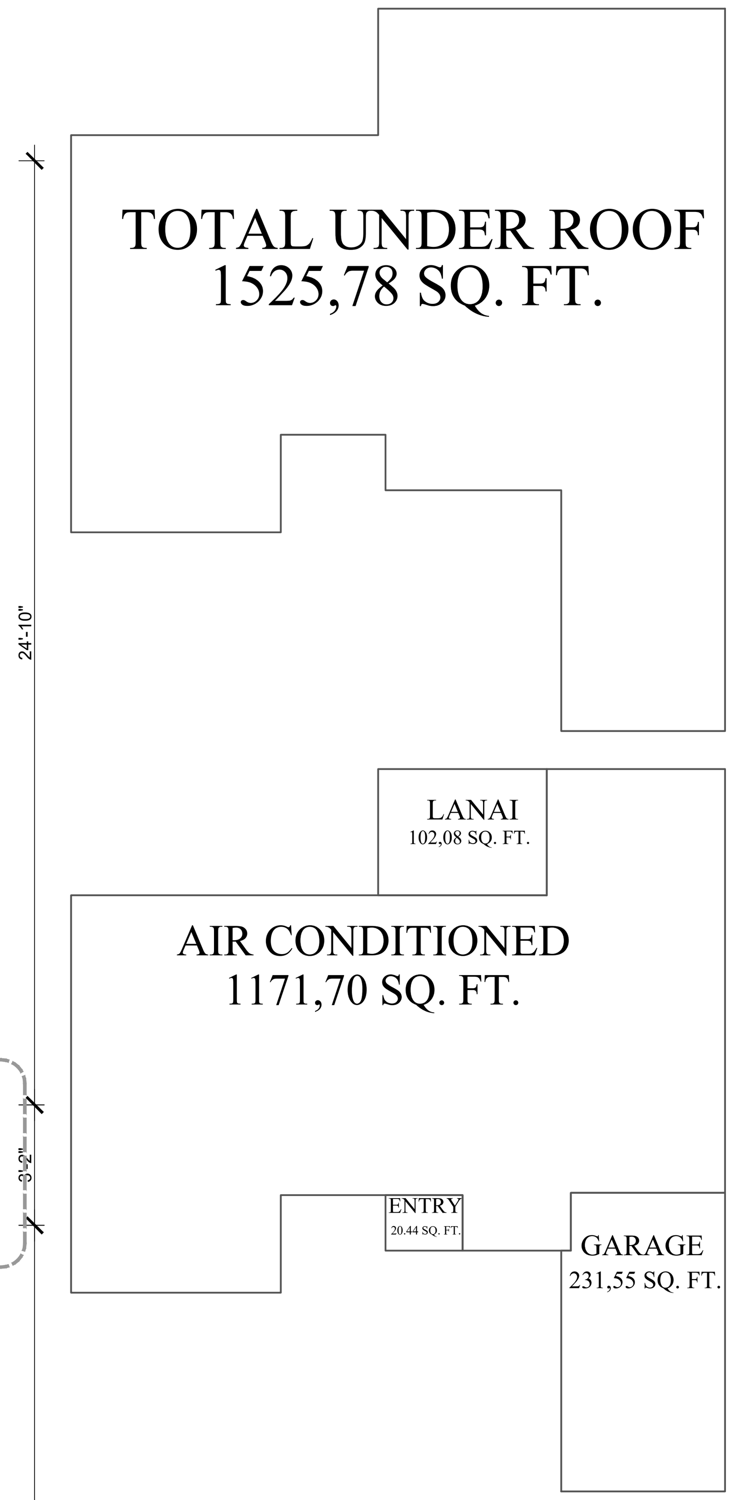


FLOOR PLAN

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

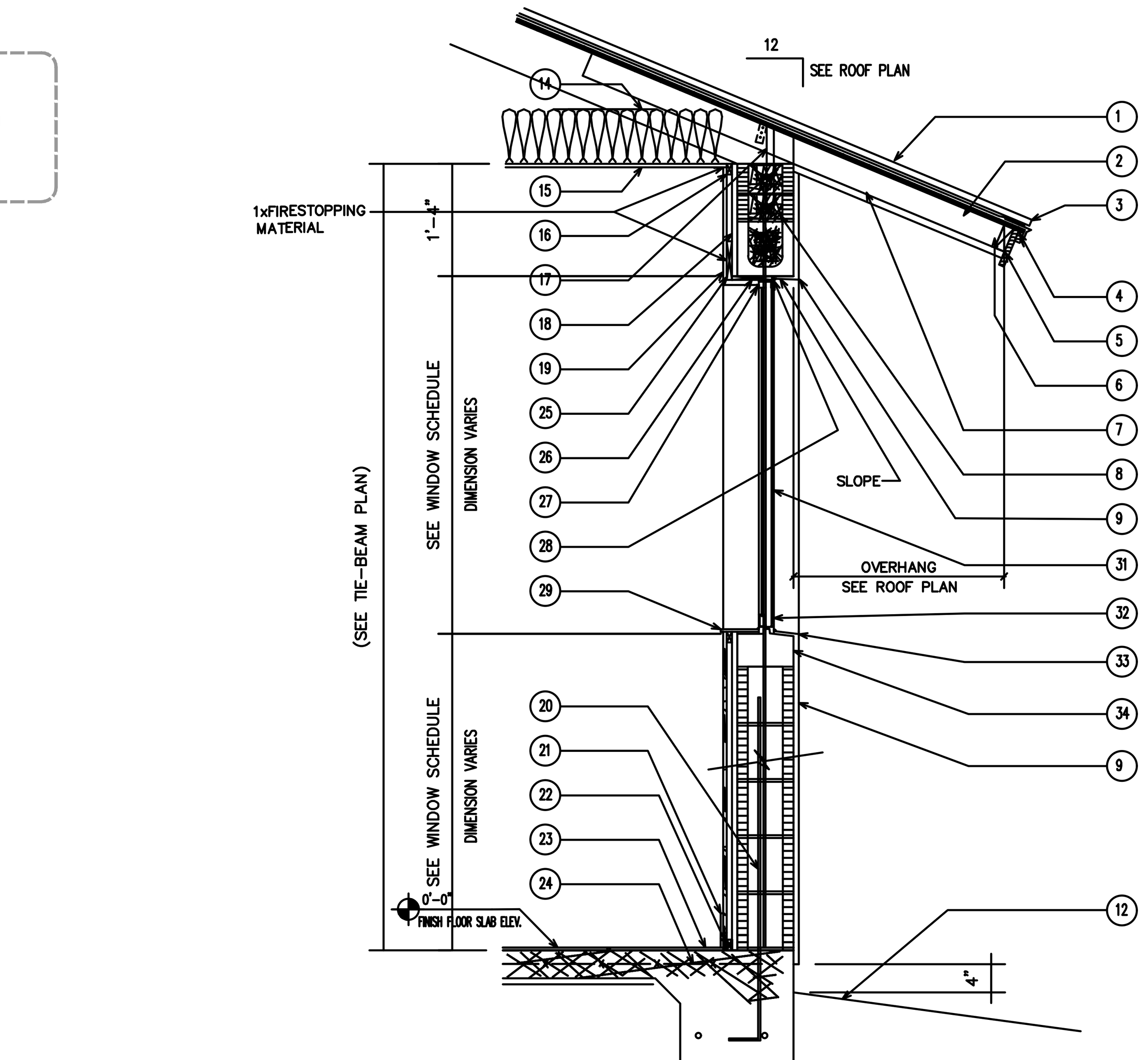
8'X8' GARAGE DOOR

LEGEND	
SYMBOL	DESCRIPTION
	WALL
	WALL WITH INSOLATION



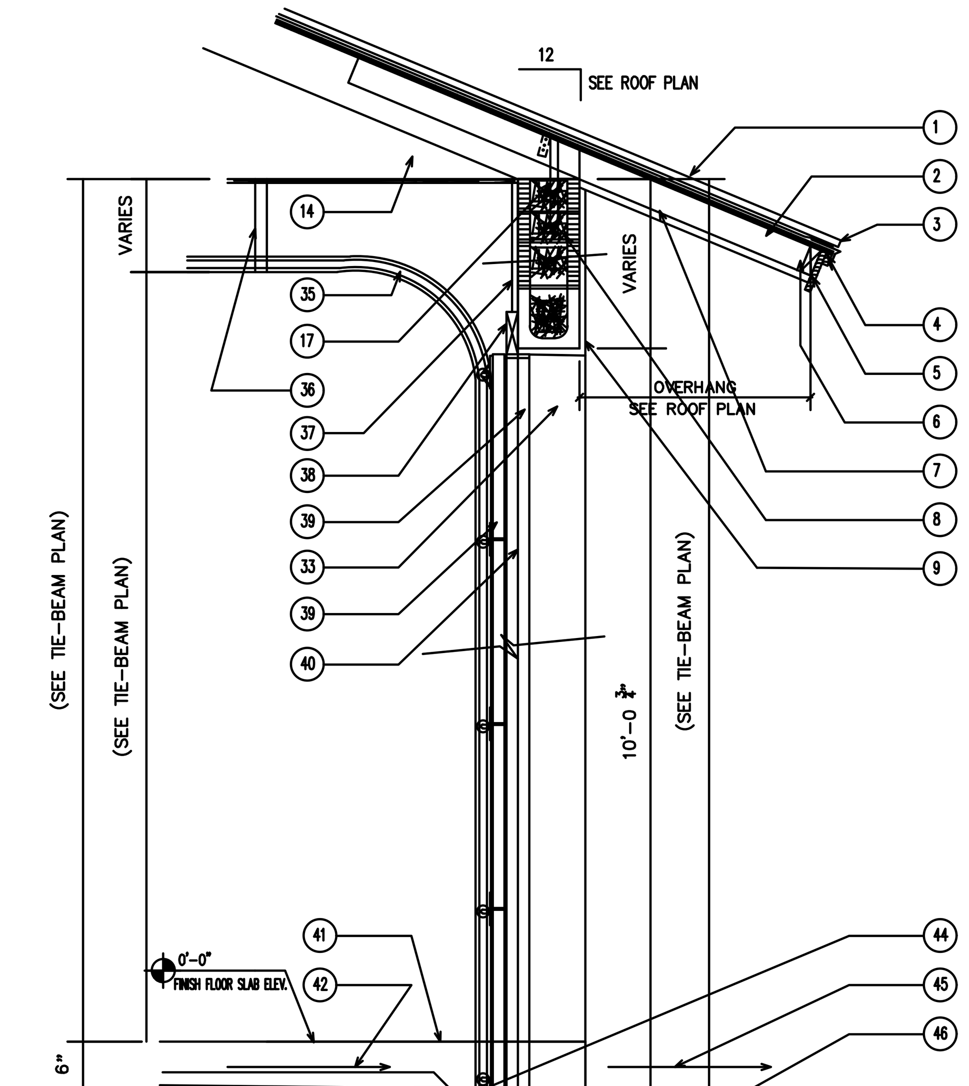
LEGEND ①

1. A. PLYWOOD with STEEL NAIL 2 1/2 @ 60"
   B. LAMINATED PLASTIC COVER
   C. ASPHALT SHINGLE:
   - SHINGLE TYPE: APP/SBS ON #30 FELT COVERING ON WOODEN BEAMS. MUST BE ATTACHED TO ROO FRAME WITH 8D RING SHAFT NAIL AT 6" ON CENTER AT EDGE AND 6" ON CENTER IN INTERMEDIATE FRAMING.
2. 2X4 X 4'-0" LONG MIN. WOOD OVERHANG BLOCKING FASTENED TO FACE OF RAFTER WITH 10d NAILS AT 4" O.C.
3. 26 ga. GALVANIZED METAL OR 0.019 PAINTABLE ALUMINUM DRIP
4. 1x3 R.S. DRIP
5. 2x6 R.S. CEDAR FASCIA OR VINYL
6. 2x4 WOOD BLOCKING
7. VENTILATED SOFFIT
8. BOND BEAM (SEE STRUCTURAL DWGS.)
9. 1/2" PARGE COAT CEMENTITIOUS FINISH-TWO COATS WITH FINISH SELECTED BY OWNER OVER 8" C.M.U. BLOCK AND BEAM
10. VERTICAL REINFORCING REBAR (SEE STRUCTURAL DRAWINGS FOR SIZE AND ARCH. DWGS FOR LOCATIONS)
11. NOT USED
12. APPROXIMATE FINISHED GRADE
13. CONCRETE FOOTING (SEE STRUCTURAL DRAWINGS) OPTIONAL STEM WALL FOOTING
14. R30 BATT INSULATION
15. 1/2" GYPSUM CEILING BOARD (SAG RESISTANT)
16. 1x2 OR 1x3 FURRING STRIPS AT 16" O.C. (TYPICAL)
17. TRUSS ANCHORING SYSTEM (SEE STRUCTURAL DRAWINGS FOR MODEL AND MANUFACTURER)
18. R4.1 FOIL INSULAITON
19. 1/2" GYPSUM WALLBOARD-PANELS APPLIED VERTICALLY OR HORIZONTALLY
20. 40 DIAMETER BAR EXTENSION (SEE ARCH. DWGS. FOR LOCATIONS)
21. BASE BOARD (MODEL SELECTED BY OWNER OR CONTRACTOR)
22. 1x2 OR 1x3 P.T. WOOD BOTTOM FURRING STRIPS (TYPICAL)
23. FINISHED FLOORING (SEE ARCH. DWG. FINISH SCHEDULE)
24. 4" CONCRETE SLAB (3,000 MIN. PSI AT 28 DAYS, ON GRADE WITH 6x6-W1.4 x W1.4 W.W.M. ON 6 MIL. PLASTIC VAPOR BARRIER WITH 6" OVERLAP JOINTS ON TERMITE TREATE AND CLEAN SOIL. (TYP.) SEE STRUCTURAL DRAWINGS FOR SOIL COMPACTION
25. 1x6 WOOD-20 INCHES BEYOND EACH SIDE OF OPENING (1x4 AT JAMB AND WINDOW SILL)
26. 1x4 P.T. BUCK WITH 2 3/4" x 3/16" TAPCONS AT 16" O.C. -3 SIDES TYPICAL
27. FINISHED CAULKING ALL AROUND WINDOW OR DOOR
28. SEALANT-ALL AROUND WINDOW OR DOOR
29. STOOL -SELECTED BY OWNER OR CONTRACTOR
30. PRECAST LINTEL OVER WINDOWS WITH 8" BEYOND OPENING ON EACH SIDE (SEE STRUCTURAL DRAWINGS)
31. WINDOW (SEE ARCH. DWGS. FOR MODEL AND SIZES)
32. ALUMINUM SCREENED PANEL ON ALL WINDOWS
33. SLOPED TOP
34. WINDOW SILL (SEE STRUCTURAL DRAWINGS)
35. GARAGE DOOR TRACK SYSTEM
36. GARAGE DOOR TRACK SUPPORT SYSTEM
37. SKIM COAT CEMENTITIOUS FINISH WITH SKIP TROWEL FINISH
38. 2x6 P.T. HEAD ATTACHED TO BEAM WITH 2-1/2" PIN USING POWER ACTUATED DEVISE AND JAMBS WITH 1/2" x 6" 'J' BOTLS (3) AT EACH SIDE WITH 8'-0" AND 9'-0" DOORS AND (4) AT EACH SIDE WITH 16'-0" AND 18'-0" DOORS
39. GARAGE DOOR FINISH TRIM
40. DASHED LINE INDICATES 2x6 P.T. BEYOND AT EDGE OF OPENINGS
41. FINISHED FLOOR ELEVATIONS BEYOND
42. 2 INCHES GARAGE FLOOR SLOPE
43. FOOTING BEYOND (SEE STRUCTURAL DRAWINGS)
44. 3/4" RECESSED (SEE STRUCTURAL DWGS)
45. SLOPE (SEE SURVEY OR CIVIL DRAWINGS)
46. CONC. SLAB (SEE NOTE 24) OR PAVERS-SELECTED BY OWNER
47. DOUBLE OR TRIPLE GIRDER TRUSSES (SEE STRUCTURAL DWGS. AND TRUSS MANUFACTURER LAYOUT)



TYPICAL WALL SECTION AT WINDOW MONOLITHIC FOOTING

SCALE: N.T.S.



TYPICAL GARAGE WALL SECTION MONOLITHIC FOOTING

SCALE: N.T.S.

NOTE:...!! CONTRACTOR OR OWNER IS RESPONSIBLE TO VERIFY WINDOW ROUGH OPENIN´G's WITH MANUFACTURER SPECIFICATIONS PRIOR TO COMMENCE ANY WORK.
**VERIFY ALL EGRESS WINDOWS SPECIFICATIONS
**KITCHEN WINDOWS SILL 6" MIN. ABOVE KITCHEN COUNTERS (36" MIN. KITCHEN COUNTER HGT.)

DOOR-WINDOW-SKYLIGHT-GARAGE DOOR-SHUTER SCHEDULE

DOORS AND WINDOWS OPENINGS ENGINEERING WIND PRESSURES TO THE WORST CASE, CONTRACTOR/OR OWNER TO SELECT FINAL DESING/OR STYLE IN ACCORDANCE WHIT FLORIDA PRODUCT CERTIFICATION.

LABEL	TYPE DOOR's.....ANNOTATION 3 0 6 8 DOOR WIDTH (3'-0") DOOR HEIGHT (6'-8")	SIZE WIDTH X HEIGHT	MASONRY OPENING WIDTH X HEIGHT	DESIGN PRESSURE	WIND-BORN DEBRIS PROTECTION			FLORIDA PRODUCT APPROVAL
					PROTECTION REQUIRED	IMPACT GLASS RESISTANT	SHUTTERS PROTECTION	
DOORS								
D-1	3068 EXT. DOOR	36" x80"	38" x 82"	+50.0/-50.0	YES	YES	YES	FL #20461-R9
D-2	62610-SH EXT. DOOR	74" x 82"	76" x 84"	+50.0/-50.0	YES	YES	YES	FL #14634-R6
D-3	8080 GARAGE	96" x 96"	98" x 98"	+50.0/-50.0	YES	NO	YES	FL #8248-R22
WINDOWS								
W-A	3253-SH	38" x 63"	40" x 65"	+50.0/-50.0	YES	YES	YES	FL #14039-R9
W-B	3222	38" x 26"	40" x 28"	+50.0/-50.0	YES	YES	YES	FL #14039-R9
W-C	63.553-SH	75.5" x 63"	77.5" x 65"	+50.0/-50.0	YES	YES	YES	FL #14039-R9
W-D	2850-SH	32" x 60"	34" x 62"	+50.0/-50.0	YES	YES	YES	FL #14039-R9
W-E	2836-SH	32" x 44"	34" x 48"	+50.0/-50.0	YES	YES	YES	FL #14039-R9

1.- THE TABLE ABOVE IS IN ACCORDANCE WITH THE PROVISIONS OF FLORIDA BUILDING CODE 2023 INCLUDING THE 8th EDITION OF THE FBC. (*ACCORDING TO SECTION 702.4 AND 702.5 OF THE FBC.*)
2.- SIGNIFY PRESSURES ACTING TOWARD THE BUILDING SURFECE.
3.- REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS OF OPENINGS.
4.- FASTEN ALL WINDOWS FRAMES IN ACCORDANCE WITH THE MANUFACTURER SPEC's.
5.- MULLION WITH A CODE FL 6067.2

**ABBREVIATIONS: SH=*SINGLE HUNG* / DH=*DOUBLE HUNG* / HR=*HORIZONTAL ROLLER* / FG=*FIXED GLASS* / CA=*CASEMENT*

R905.2.8.2 Valleys. Valley linings shall be installed in accordance with the manufacturer's instructions before applying shingles. Valley linings of the following types shall be permitted:

1. For open valleys (valley lining exposed) lined with metal, the valley lining shall be not less than 16 inches (406 mm) wide and of any of the corrosion-resistant metals in Table R903.2.1.
2. For open valleys, valley lining of two plies of mineral-surfaced roll roofing, complying with ASTM D3909 or ASTM D6380 Class M, shall be permitted. The bottom layer shall be 18 inches (457 mm) and the top layer not less than 36 inches (914 mm) wide.
3. For closed valleys (valley covered with shingles), valley lining of one ply of smooth roll roofing complying with ASTM D6380 Class S and not less than 36 inches wide (914 mm) or valley lining as described in Item 1 or 2 shall be permitted. Self-adhering polymer modified bitumen underlayment complying with ASTM D1970 shall be permitted in lieu of the lining material.

TABLE R905.2.6.1
CLASSIFICATION OF ASPHALT SHINGLES

Maximum Basic Wind Speed, V_{ult} From Figure R301.2(4)	V_{asd} as determined in accordance with Section R301.2.1.3	ASTM D7158	ASTM D3161
110	85	D, G or H	D or F
116	90	D, G or H	D or F
129	100	G or H	D or F
142	110	G or H	F
155	120	G or H	F
168	130	H	F
181	140	H	F
194	150	H	F

TABLE R301.2(4)
NOMINAL (ASD) GARAGE DOOR WIND LOADS FOR A BUILDING WITH A MEAN ROOF HEIGHT OF 30 FEET LOCATED IN EXPOSURE B (PSF) [1, 2, 3, 4, 5]

Door Size		ULTIMATE DESIGN WIND SPEED (V_{ult}) DETERMINED IN ACCORDANCE WITH SECTION R301.2.1 (MPH–3 SECOND GUST)																					
Width (ft)	Height (ft)	100 mph		110 mph		120 mph		130 mph		140 mph		150 mph		160 mph		170 mph		180 mph		190 mph		200 mph	
9	7	+10.0	-10.9	+11.4	-12.9	+13.7	-15.5	+16.1	-18.2	+18.5	-20.9	+21.3	-24.1	+24.3	-27.5	+27.6	-31.2	+30.6	-34.6	+34.2	-38.6	+38.0	-43.0
16	7	+10.0	-10.3	+10.9	-12.2	+13.1	-14.6	+15.5	-17.2	+17.7	-19.7	+20.4	-22.7	+23.3	-26.0	+26.4	-29.4	+29.3	-32.6	+32.7	-36.5	+36.4	-40.6
		78 mph		85 mph		93 mph		101 mph		108 mph		116 mph		124 mph		132 mph		139 mph		147 mph		155 mph	
Nominal Design Wind Speed (V_{asd}) converted from V_{ult} per Section R301.2.1.3																							

For SI: 1 foot = 304.8 mm, 1 mile per hour = 1.609 km/h, 1 psf = 47.88 N/m^2.
1. For door sizes or wind speeds between those given above the load may be interpolated, otherwise use the load associated with the lower door size.
2. Table values shall be adjusted for height and exposure by multiplying by the adjustment coefficient in Table R301.2(3). Minimum positive wind load shall be 10 psf and minimum negative wind load shall be 10 psf.
3. Plus and minus signs signify pressures acting toward and away from the building surfaces.
4. Negative pressures assume door has 2 feet of width in building's end zone.
5. Table values include the 0.6 load reduction factor.

BUILDING AREA	
AIR CONDITIONED	1171,70 SQ. FT.
LANAI	102,08 SQ. FT.
GARAGE	231,55 SQ. FT.
ENTRY	20.44 SQ. FT.
TOTAL UNDER ROOF	1525,78 SQ. FT.

R302.6 Dwelling-garage fire separation. The garage shall be separated as required by Table R302.6. Openings in garage walls shall comply with Section R302.5. Attachment of gypsum board shall comply with Table R702.3.5. The wall separation provisions of Table R302.6 shall not apply to garage walls that are perpendicular to the adjacent *dwelling unit* wall.

TABLE R302.6
DWELLING-GARAGE SEPARATION

SEPARATION	MATERIAL
From the residence and attics	Not less than 1/2-inch gypsum board or equivalent applied to the garage side
From habitable rooms above the garage	Not less than 5/8-inch Type X gypsum board or equivalent
Structure(s) supporting floor/ceiling assemblies used for separation required by this section	Not less than 1/2-inch gypsum board or equivalent
Garages located less than 3 feet from a dwelling unit on the same lot	Not less than 1/2-inch gypsum board or equivalent applied to the interior side of exterior walls that are within this area

For SI: 1 inch = 25.4 mm, 1 foot = 304.8 mm.

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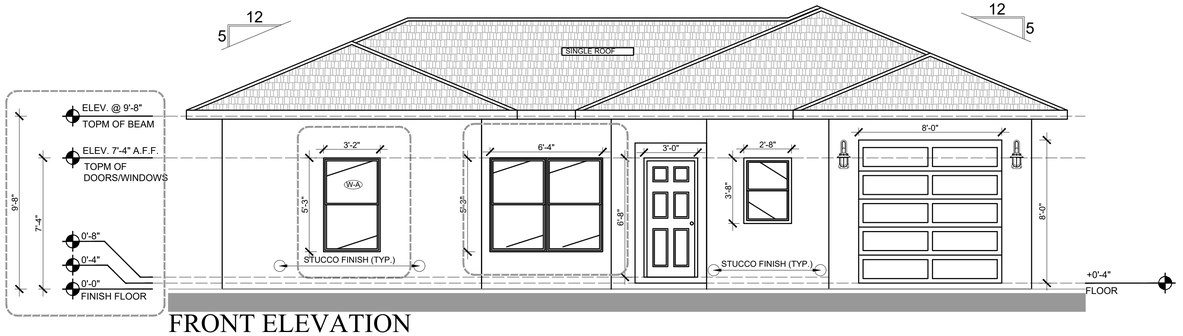
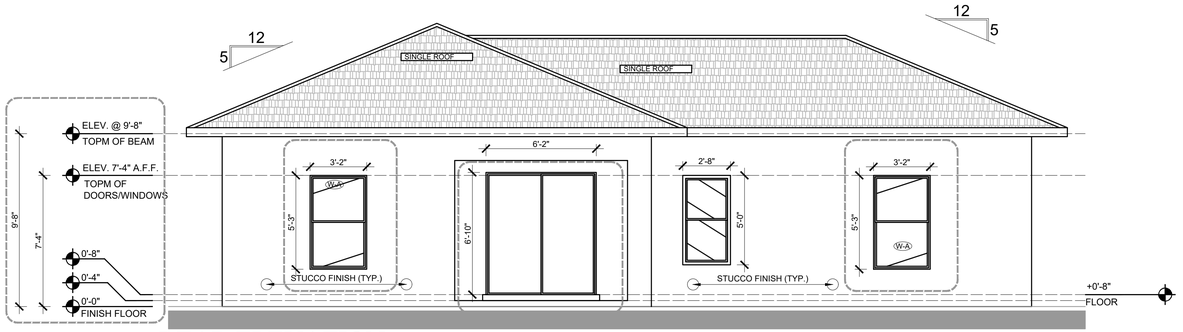
PROJECT: MODEL SAPPHIRE
OWNER: X
JOB SITE ADDRESS: 14689 SW 24TH PL, OCALA FL 34481



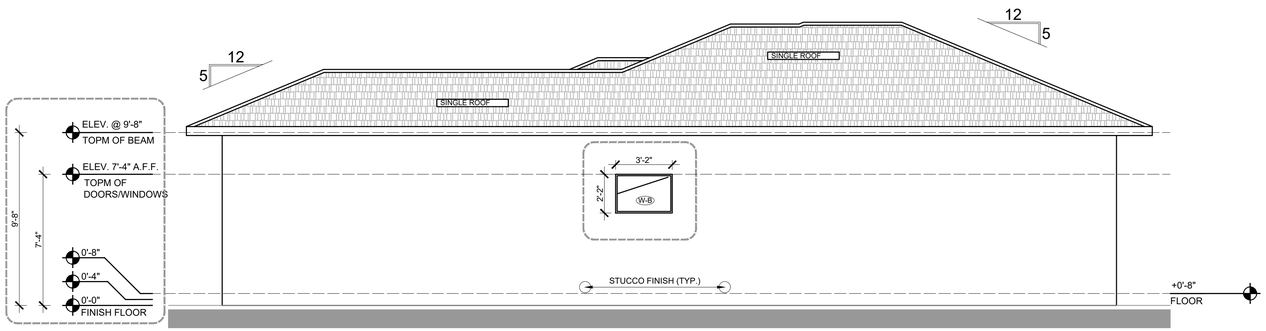
FRONT ELEVATION

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



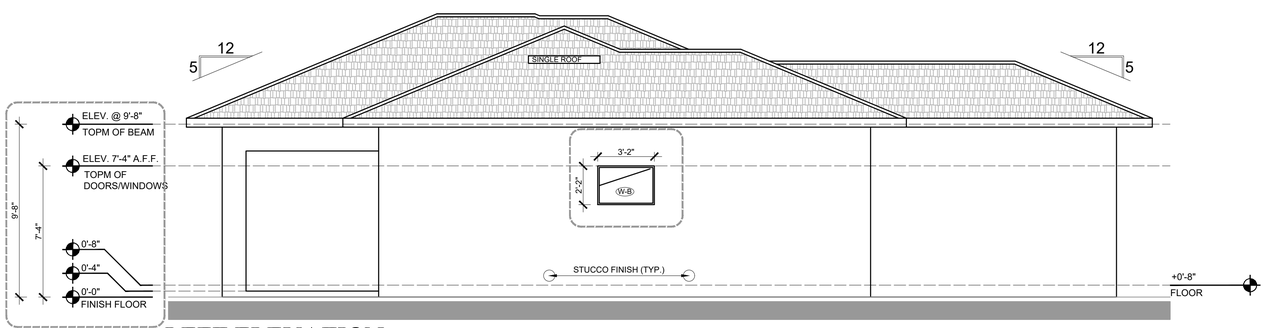
REAR ELEVATION

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



RIGHT ELEVATION

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



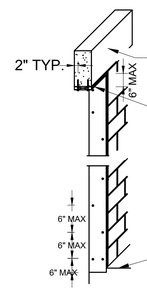
LEFT ELEVATION

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

DOOR BUCK DETAIL

FRAME WALL INSTALLATION TO MANUFACTURERS SPECIFICATIONS

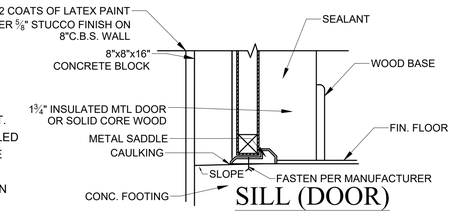
NOTE: ADHESIVE CAULK TO BE:
"MD" DOOR & WINDOW SILICONIZED
ACRYLIC CAULK (OR EQUAL)
MEETING ASTM SPEC C-834



SIDE HINGE DOORS

NOTES

1. SIDE HINGE DOORS MAY UTILIZE 1" x P.T. BUCKS WITH THE DOOR FRAME INSTALLED THRU THE BUCKS TO THE MASONRY/TIE BEAM WITH TAPCONS. SEE THE MANUFACTURERS DETAILS FOR TAPCON SIZE AND SPACING, 1"xBUCK SIZE AND REQUIRED INSWING AND OUTSWING DOOR FRAME SIZES.
2. THE DOOR MANUFACTURERS INSTALLATION DETAILS FOR THE DESIGNED PRESSURES SHALL TAKE.



SILL (DOOR)

SCALE:N.T.S.

NON-BEARING INTERIOR PARTITIONS

ALL INTERIOR NON BEARING PARTITIONS SHALL BE 3⅝" METAL STUDS 26 GA. AT 24" O.C. MAX SPACING W/ ½" MIN. GYPSUM DRYWALL EACH SIDE OR 2"x4" STUD GRADE LUMBER OR BETTER AT 16" O.C. WITH SINGLE TOP AND BOTTOM PLATE

DOOR & WINDOWS

ALL BEDROOMS REQUIRED AN OUTSIDE WINDOW OR DOOR OPERABLE FROM THE INSIDE WITHOUT THE USE OF TOOLS OR KEYS PROVIDING A CLEAR OPENING OF NOT LESS THAN 30" WIDTH, 24" IN HEIGHT £ 5.7 SQ. FT. IN AREA. THE BOTTOM OF THE OPENING SHALL NOT BE MORE THAN 44" OFF THE FLOOR AND ON PART OF THE OPERATING MECHANISM SHALL BE PLACED HIGHER THAN 54" A.F.F.

THE OPERATING MECHANISM FOR SINGLE HUNGWINDOWS SHALL BE AT OR NEAR THE SILL.
MINIMUM SINGLE HUNG EGRESS WINDOW IS S.H.25.

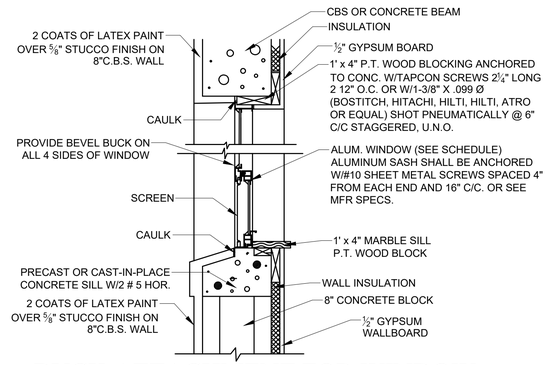
WINDOW INDICATE WITH (E) MUST BE MANUFACTURE TO CONFORM TO THE BLDG. CODE w/RESPECT TO MIN. EMERGENCY EGRESS REQUIREMENTS PER N.F.P.A. 101 CHAPTER 22-2.

BATHROOMS

BATHROOM FLOOR AND BASE SHALL BE IMPERVIOUS MATERIALS.
TILE FINISH SELECTED BY OWNER.

MIRRORS

MIRRORS SHALL BE ANCHORED TO STUDS WHEN IN EXCESS OF 9 S.F.



BUCK ATTACHMENT FOR WINDOW

SCALE:N.T.S.

STRUCTURAL NOTES: MASONRY:

HOLLOW CONCRETE MASONRY DESIGN E CONSTRUCTION SHALL CONFORM TO THE SPECIF CATIONS OF THE NATIONALCONCRET MASONRY ASSOCIATION ANS ACI 530.

MORTAR USED TO BOND C.MU. SHALL CONFORM TO ASTM C 476, TYPE "M" OR "S" WITH A 28 DAY STRENGTH OF 2500 PSI.

LAY ALL MASONRY WITH FULL FACE HEAD JOINTS AND WITH FACE SHELL MORTAR BEDDING MORTAR JOISTS TO BE ⅜" +-1/8" MAXIMUM.

COMPRESSIVE STRENGTH OF CMU SHALL BE ON LESS THAN FM'-1350 PSI. VERTICAL CELLS FOR MASONRY SHALL HAVE VERTICAL ALIGNMENT SUFFICIENT TO MAINTAIN A CLEAR, UNOBSTRUCTED CONTINUOUS CELL.

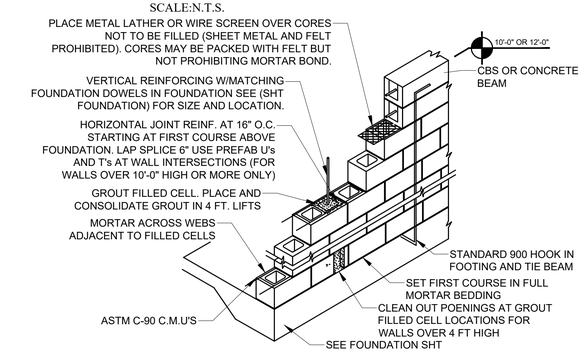
CLEAN OUT OPENINGS SHALL BE PROVIDED AT THE BOTTOM OF GROUTED CELLS AT EACH LIFT. CLEAN OUTS SHALL BE SEALED AFTER CLEANING E INSPECTION AND BEFORE GROUTING. CLEAN OUT TO FREE OF ALL DEBRIS AND MORTAR SLAG.

PRE CAST/ PRE STRESSED LINTEL SUPPLIED BY APPROVED MANUFACTURERS
1. FECP/CAST-CRETE CORPORATION
2. POWER CONCRETE
3. ALLIED PRE-CAST
4. LOTT
5. QUALITY PRE-CAST

ALL REINFORCING STEEL SHALL BE GRADE 60, MEETING ASTM SPECS A-615 REINFORCING STELL SHALL BE FREE FROM OIL, LOOSE SCALE, AND RUST.

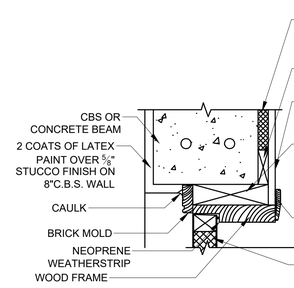
ALL DOWELS, SLEEVES, CONDUIT, INSERT, BLOCK OUT, ANCHORS BOLTS AND DRAINS SHALL BE IN PLACE BEFORE CONCERTING. FOR OPENING E SPECIAL FEATURES OMITTED ON THESE PLANS, SEE ARCHITECTURAL E /OR MECHANICAL DRAWINGS.

LAP SPLICE SHALL BE AS FOLLOWS: 5 BAR 30": 4 BAR 24"; 3 BAR 18".



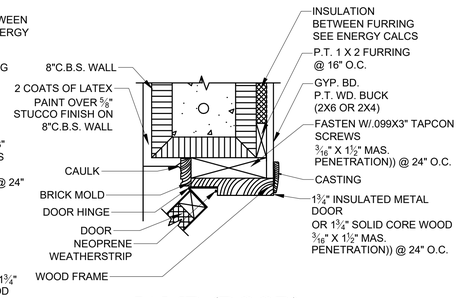
TYPICAL MASONRY WALL CONSTRUCTION

SCALE:N.T.S.



HEAD (DOOR)

SCALE:N.T.S.



JAMB (DOOR)

SCALE:N.T.S.

BREEZE HOMES

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PROJECT:
MODEL SAPPHIRE
OWNER:
JOB SITE ADDRESS:
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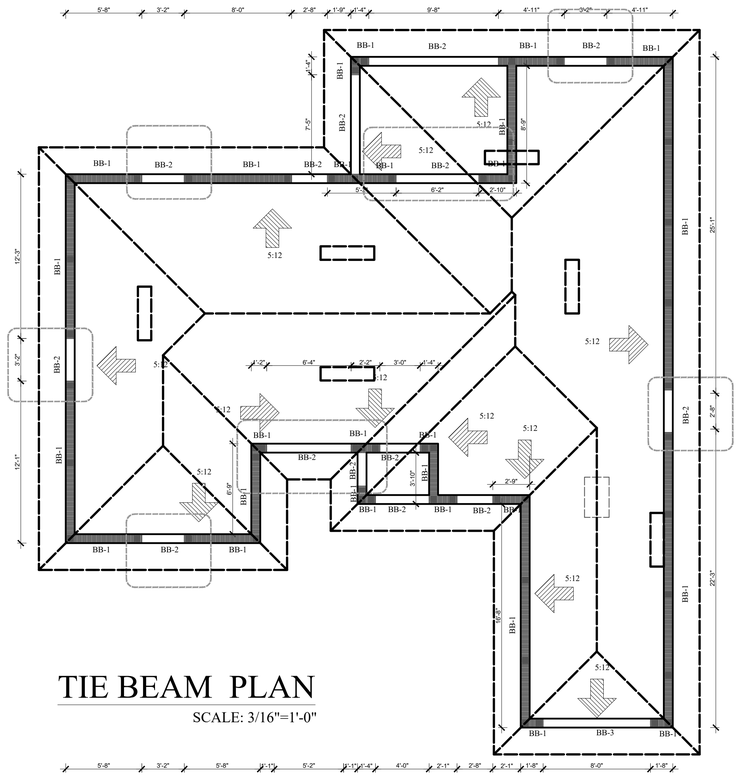
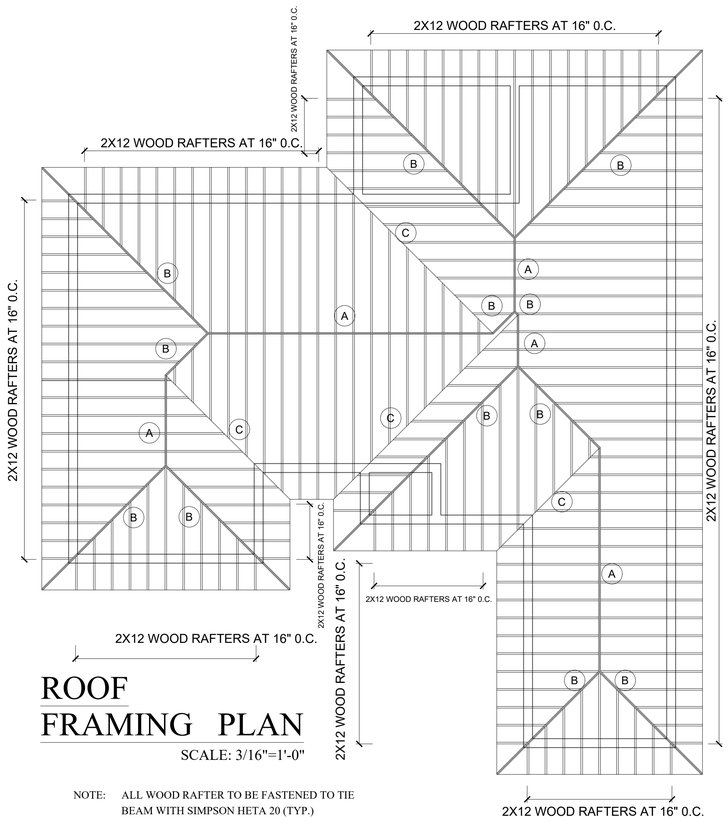


TIE BEAM PLAN

SCALE: 3/16"=1'-0"



ROOF FRAMING PLAN

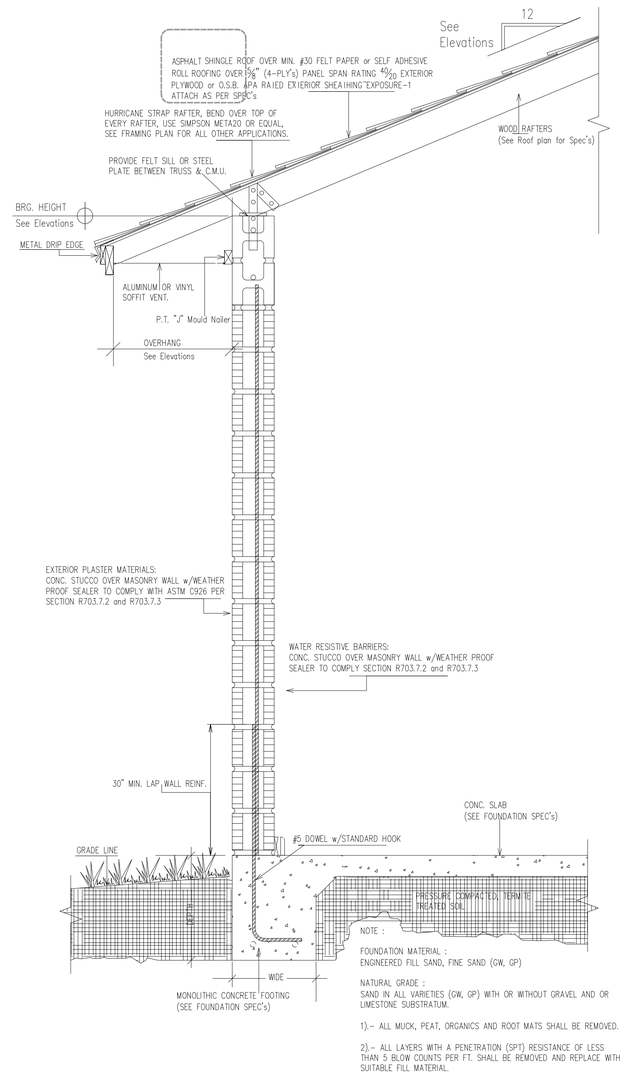
SCALE: 3/16"=1'-0"

NOTE: ALL WOOD RAFTER TO BE FASTENED TO TIE BEAM WITH SIMPSON HETA 20 (TYP.)

(A) 2x12 WOOD RIDGE BEAM (FASTENED ALL WOOD RAFTERS TO RIDGE BEAM WITH SIMPSON LSTA30 STRAP)

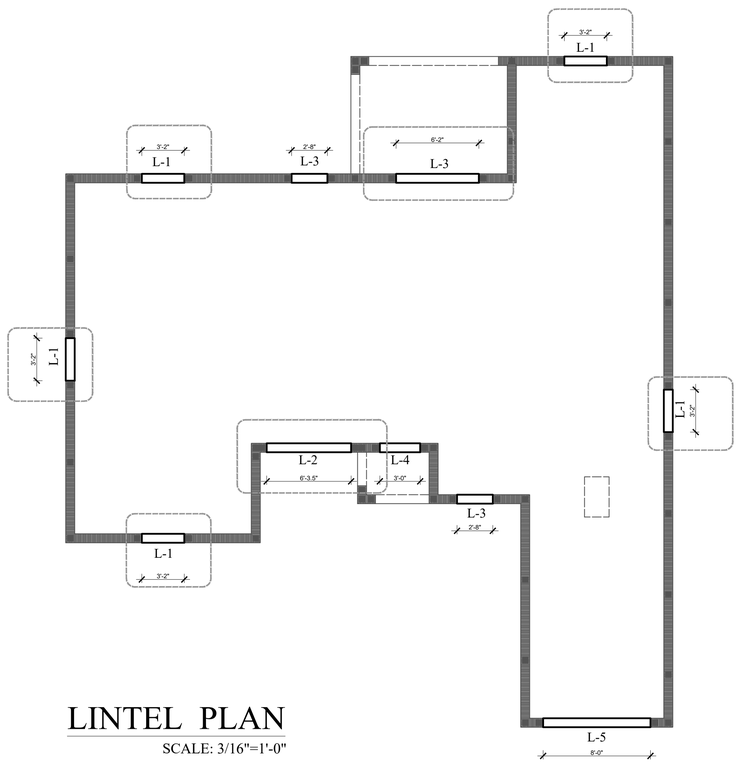
(B) 2X12 WOOD HIP (FASTENED ALL WOOD RAFTERS TO 2X12 HIP WITH SIMPSON LSSU28 – TYP.)

(C) 2X12 WOOD VALLEY (FASTENED ALL WOOD RAFTERS TO 2X12 VALLEY WITH SIMPSON LSSU28 – TYP.)



TYP. WALL SECTION

SCALE: N.T.S.



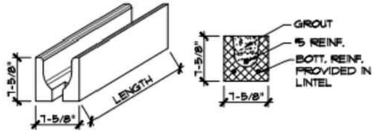
LINTEL PLAN

SCALE: 3/16"=1'-0"

LINTEL SCHEDULE

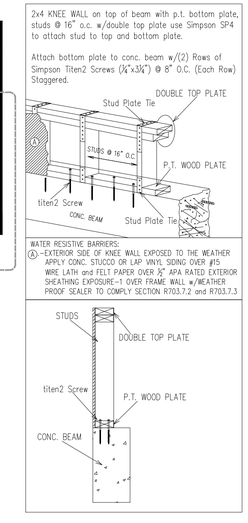
TYPE	QUANTITY	CLEAR SPAN	LENGTH
L-1	05	3'-2"	4'-6"
L-2	01	6'-3.5"	7'-7.5"
L-3	02	2'-8"	4'-0"
L-4	01	3'-0"	4'-4"
L-5	01	8'-0"	9'-4"
L-6	01	6'-2"	7'-6"

NOTE: ALL LINTELS BY "CAST CRETE"



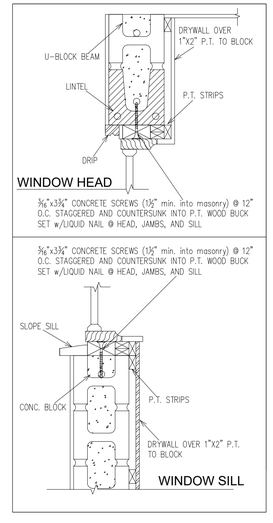
PRE-CAST LINTEL DETAIL

SCALE: N.T.S.



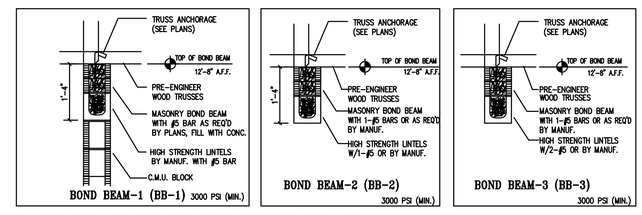
FRAME KNEE WALL DETAIL-K

SCALE: N.T.S.



WINDOW HEAD AND SILL

SCALE: N.T.S.



BOND BEAM DETAILS

SCALE: N.T.S.

BREEZE HOMES

SILVESTRE MARCHAN L.
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PROJECT: MODEL SAPPHIRE
OWNER:
FOR SITE ADDRESS: 14689 SW 24TH PL, OCALA FL 34481

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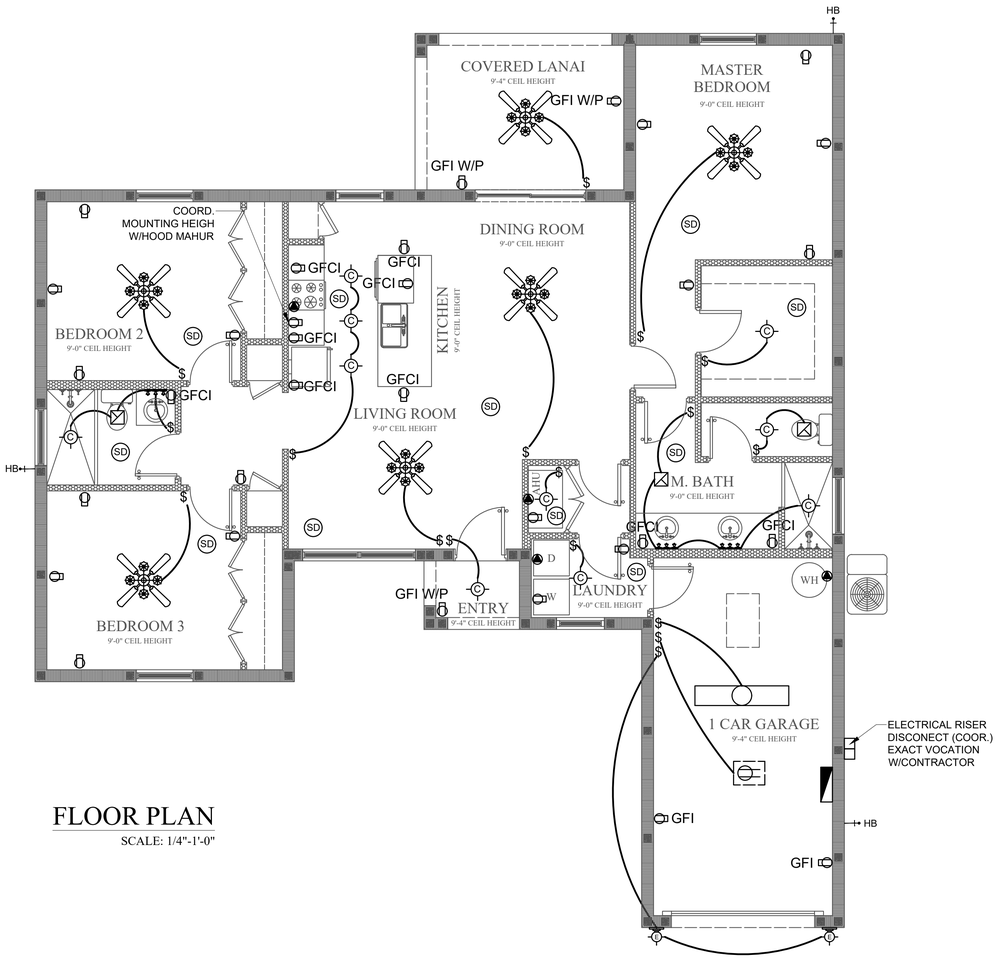
of 07



FLOOR PLAN

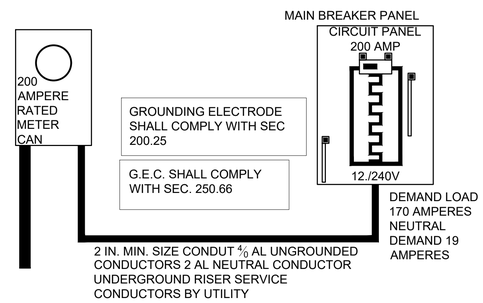
SCALE: 1/4"-1'-0"

Note:

THE INSTALLATION OF CEILING FANS WILL NOT BE CONSIDERED UNLESS REQUESTED BY THE BUYER OR THE NEW OWNER.

ELECTRICAL NOTES:

1. THESE PLANS WERE PREPARED AND SHALL COMPLY W/2020 NATIONAL ELECTRICAL CODE (NEC 2020) CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY THAT THE WORK OF ALL TRADES AND SHALL COMPLY WITH THE 2020 FLORIDA BUILDING CODE AND LOCAL BUILDING CODES.
2. CONTRACTOR IS TO COORDINATE THE WORK OF ALL OTHER CONTRACTORS AND TRADES, WETHER HIS OWN OR THOSE OF ANY SEPERATE CONTRACTS LET BY OWNER
3. CONSTRACTOR SHALL VERIFY WITH OWNER ANY ADDITIONAL ELECTRICAL LIGHTING FIXTURES, FANS, SWITCHES, FLOOD LTS, ETC. -AND PROVIDE NECESSARY ELECTRICAL COMPONETS FOR PROPER INSTALLATION
4. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR PROPER BALANCE OF LOADS PER PHASE
5. ALL ELECTRICAL TO BE ABOVE REQUIREMENT FLOOD ELEVATION
6. ALL ELECTRICAL OUTLETS IN THE KITCHEN AND BATHROOM SHALL BE GROUND FAULT CIRCUIT-INTERRUPTER TYPE. GFI RECEPTACLES REQUIRED NEC 2020 ARTICLE 210/8
7. SMOKE ALARMS TO COMPLY WITH 2020 F.B.C. RESIDENTIAL CODE, SECTION: R314 CARBON MONOXIDE ALARMS TO COMPLY WITH 2020 F.B.C. RESIDENTIAL CODE SECTION: R315
8. KEEP ALL SMOKE DETECTORS MINIMUM OF 36" FROM BATHROOM DOORS AND AC OUTLETS
9. IN NEW CONSTRUCTION, SMOKE DETECTORS SHALL BE HARDWIRED INTO AN AC ELECTRICAL POWER SOURCE AND SHALL BE EQUIPPED WITH A MONITORED BATTERY BACKUP
10. CARBON MONOXIDE DETECTORS TO COMPLY WITH 2020 FBC, SECTION 905.2 AND ANSI/UL 2034-96 OR UL 2075-04.
11. CEILING FANS TO BE INSTALLED IN ALL HABITABLE AREAS BEFORE FINAL INSPECTION AND C.O. PER ENERGY CALC. CREDIT
12. ARC-FAULT CIRCUIT INTERRUPTER(S) REQUIRED IN DWELLING UNIT BEDROOMS PER NEC 210-12 8b9
13. ELECTRICAL CONTRACTOR SHALL INSTALL A TYPEWRITTEN SCHEDULE FOR ELECTRICAL PANEL INDICATING WHAT FACH BREAKER CONTROLS. THE DIRECTORY SHALL BE MOUNTED ON THE INNER SIDE OF THE ELECTRICAL PANEL
14. DEVICES HEIGHTS:
    a. ELECTRICAL OUTLET HEIGHTS AS MEASURED FROM FIN. FLR. ELEV. TO CENTERED LINE OF
       THE BOX TO BE 12" AFF (GENERAL)
       OTHERS OUTLET HEIGHT (UNLESS OTHERWISE NOTED):
       KITCHEN OUTLETS (GFI): 46" AFF
       BATHROOMS OUTLETS (GFI): 46" AFF
       LAUNDRY OUTLETS: 36" AFF
       EXTERIOR OUTLETS (WATERPROOF): 12" AFF
       GARAGE GENERAL PURPOSE: 42" AFF
       KITCHEN RANGE: 6" AFF
       KITCHEN DISHWASHER: 6" AFF
       KITCHEN MICROWAVW: 76" AFF
       REFRIGERATOR: 46" AFF TV & CABLE OUTLET:60" AFF
    b. ELECTRICAL SWITCHES TO BE AT 42" CENTERLINE ABOVE FIN. FLR. ELEV.
    c. ALL WORK SHALL BE DONE IN STRICT ACCORDANCE WITH THE 2020 NATIONAL ELECTRICAL CODE, LATEST EDITION, BY A LICENSED ELECTRICAL CONTRACTOR WHO SHALL BE RESPONSIBLE FOR THE INSTALLATION AND SIZING OF ALL ELECTRICAL WIRING AND ACCESSORIES
15. PROVIDE LIGHT AND RECEPTACLE IN ATTIC WITH SWITCH AT ATTIC ACCESS DOOR
16. GROUNDING SYSTEMS AS REQUIRED BY NEC 2020, ARTICLE 250-80 SHALL BE PROVEDED PRIOR TO FLOOR, FOUNDATION, OR FOOTING INSPECTION.
17. ELECTRICAL CONTRACTOR SHALL MAKE FINAL CONNECTIONS ON ALL EQUIPMENT (VENTILATION, AHVC, EXHAUST FANS AND OTHER EQUIPMENT) AND/OR APPLIANCES



ELECTRICAL RISER

SCALE: N.T.S.

LOAD CALCULATION

GENERAL LGHTING AND RECEPTACLES

3 WATTS PER SQUARE FEET OF LIVING

LIVING AREA =	AREA x POWER UNIT			
	1.171,70	X	3,00	**3.515,10** (a)

APPLIANCE CIRCUITS:

RENGE / OVEN:	8.000,00
MICRO / HOOD:	1.000,00
WATER HEATHER:	4.500,00
REFRIGERATOR:	1.250,00
WASHER	1.500,00
DRYER:	5.000,00
DISHWASHER:	1.500,00
DISPOSAL:	600,00
SMALL APPLIANCE CIRCUITS (03):	4.500,00
BATH FAN (100 PER EACH):	700,00
APP. CIR. TOTAL:	**28.550,00** (b)

GEN. LIGHTING & RECEP. + APP.CIR.TOTAL:	(a) + (b) = **32.065,10**
SUBTRACT 100% OF FIRST 10.000	- 10.000,00
	(A) 22.065,10

HVCA CIRCUITS:

A/C (AIR HANDLER & COMP):	10.000,00
A/C (AUXILIAR HEAT STRIP):	10.000,00
	(B) 20.000,00

CIRCUITS CALCULATIONS:

FIRST 10.000 AMPS @ 100%	= 10.000,00
+ 40% OF "A" = (0,40 x 24.550)	= 8.826,04
+ 100% OF "B" = (20.000)	= 20.000,00
TOTAL WATTAGE	**38.826,04**
WATTS DIVIDED BY 240 = AMPS	
CALCULATE SERVICES AMPS	= 161,78

OWNER SELECTED: 200 AMPS ELECTRICAL PANEL

ELECTRICAL SYMBOLS

NOTE: Electrical symbol's for illustration only, Contractor/or Owner to verify final model's and design's

SD	SMOKE DETECTOR w/CO2 Carbon Monoxide Alarm (Electric powered w/Batteries back-up)		PRE-WIRE CHANDELIER		FLAT SURFACE (Soffit Light)		110V 1/2 LIVE DUPLEX RECEPTACLE	Z	E.D.S EMERGENCY
	BATH LIGHT w/EXHAUST FAN RECESS		PRE-WIRE CHANDELIER		CABLE T.V.	GFCI w/P	110V GROUND-FAULT CIRCUIT-INTERRUPTER w\COVER PROTECTOR		ELECTRICAL PANEL DIS-CONNECT SERVICE
	EXHAUST FAN		SUSPENDED CLG. LIGHT		SECURITY CAMERA (Pre-wire electrical and Cctv cable)		220V	M	Electrical Meter
	LIGHT FIXTURE (Flat Surface Contractor to Verify)		PRE-WIRE CLG. FAN w\LIGHT (Split Switch-off)		DOOR BELL		FLOOR RECEPTACLE (Contractor to Verify Location)	FA	FIRE ALARM
4"	4" LIGHT FIXTURE (Flat Surface Contractor to Verify)		WALL MOUNTED LIGHT's	CHIME	DOOR BELL CHIMES		OUTLET @ SOFFIT AREA (Contractor to Verify Location)		EXHAUST FAN
	WALL MOUNTED EXTERIOR LIGHT FIXTURE		FLAT SURFACE LED LIGHT	P-B	PUSH BUTTON DOOR OPENER	$	LIGHT SWITCH		120V. GFI RECEPTACLE @CEILING
	CEILING LIGHT FIXTURE		MOTION SENSOR LIGHT		110V DUPLEX RECEPTACLE	$3	3 WAY SWITCH		Electrical Meter
	ATTIC LIGHT FIXTURE		EXTERIOR CEILING LIGHT FIXTURE	GFI	110V GROUND-FAULT CIRCUIT-INTERRUPTER	$D	SINGLE POLE DIMMER SWITCH		

ELECTRICAL NOTES:

1. THESE PLANS WERE PREPARED AND SHALL COMPLY W/2020 NATIONAL ELECTRICAL CODE (NEC 2020) CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY THAT THE WORK OF ALL TRADES AND SHALL COMPLY WITH THE 2020 FLORIDA BUILDING CODE AND LOCAL BUILDING CODES.
2. CONTRACTOR IS TO COORDINATE THE WORK OF ALL OTHER CONTRACTORS AND TRADES, WETHER HIS OWN OR THOSE OF ANY SEPERATE CONTRACTS LET BY OWNER
3. CONSTRACTOR SHALL VERIFY WITH OWNER ANY ADDITIONAL ELECTRICAL LIGHTING FIXTURES, FANS, SWITCHES, FLOOD LTS, ETC. -AND PROVIDE NECESSARY ELECTRICAL COMPONENTS FOR PROPER INSTALLATION
4. ALL ELECTRICAL TO BE ABOVE REQUIREMENT FLOOD ELEVATION
5. ARC-FAULT CIRCUIT INTERRUPTER(S) REQUIRED IN DWELLING UNIT BEDROOMS PER NEC 210-12(b)
6. ALL ELECTRICAL OUTLETS IN THE KITCHEN AND BATHROOM SHALL BE GROUND FAULT CIRCUIT-INTERRUPTER TYPE. GFI RECEPTACLES REQUIRED NEC 2020 ARTICLE 210/8
7. ALL BRANCH CIRCUITS THAT SUPPLY 125 VOLT SINGLE PHASE, 15 AND 20 AMPERES
8. RETAIN AND UTILIZE EXISTING ELECTRICAL (OUTLETS, SWITCHES, FIXTURES ETC.) WHERE FEASIBLE!

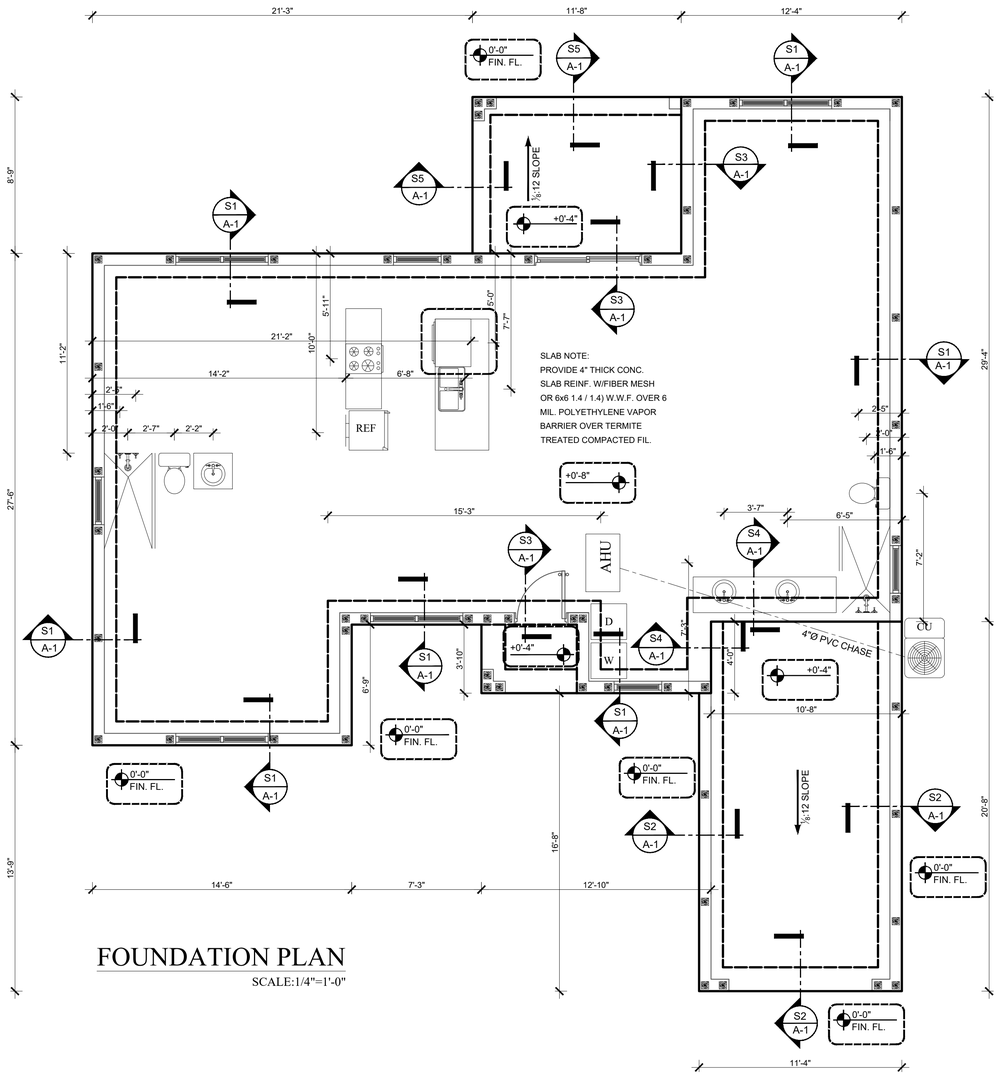
IMPORTANT NOTE:

1. PRIOR FINAL INSPECTION, ALL NEWS AND MODIFIED BRANCH CIRCUITS SHALL BE IDENTIFIED AS TO PURPOSE OR USE AT THE COPRRESPONDING PANEL BOARD DIRECTORY, COMPLY WITH COMPLY WITH 2020 NEC, SECTION 408.4

SILVESTRE MARCHAN L.
CIVIL ENGINEER
C.E.O.
SERVICES AND INVESTMET OTIM LLC

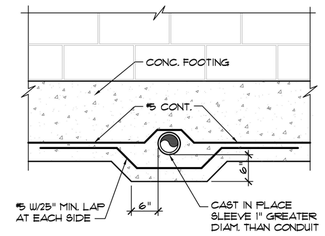
O.I.M.
SERVICES AND INVESTMENT OTIM LLC. Consulting, Service, Permit and Documentation.
352-445-3288 EMAIL: oimservicesandinvestment@gmail.com

PROJECT: MODEL SAPPHIRE
OWNER:
FOR SITE ADDRESS: 14689 SW 24TH PL, OCALA FL 34481



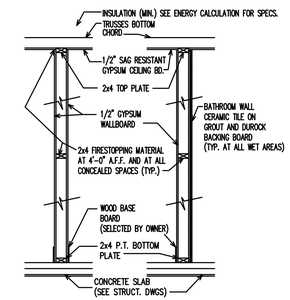
FOUNDATION PLAN

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

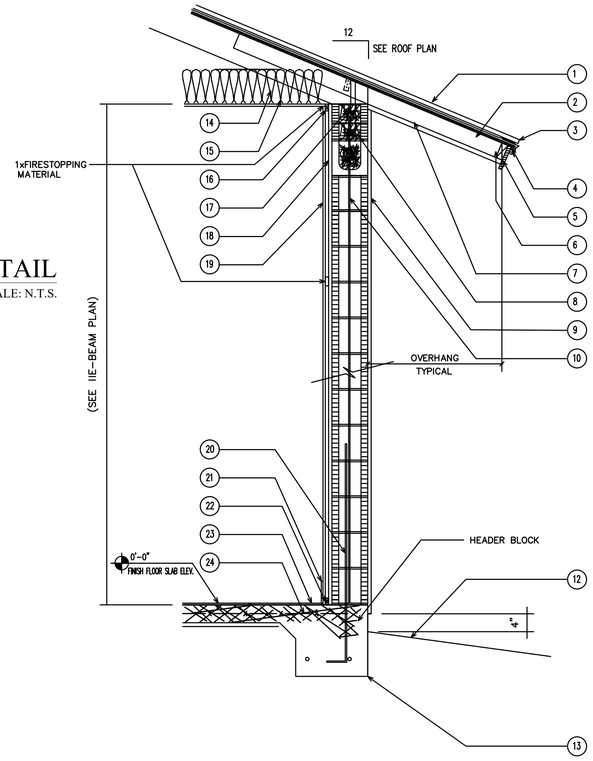


CHASE THRU FOOTING DETAIL

SCALE: N.T.S.

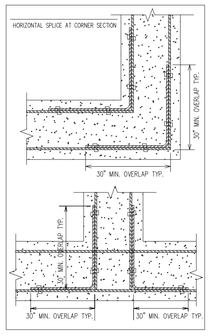


TYP. INT. WALL SECT. 1/2" =1'-0" TYP. INT. WALL SECT. WET AREAS 1/2" =1'-0



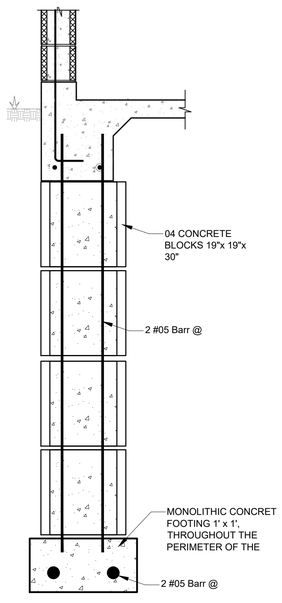
TYPICAL WALL SECTION MONOLITHIC FOOTING

SCALE: N.T.S.



CORNER FOOTING

SCALE: N.T.S.



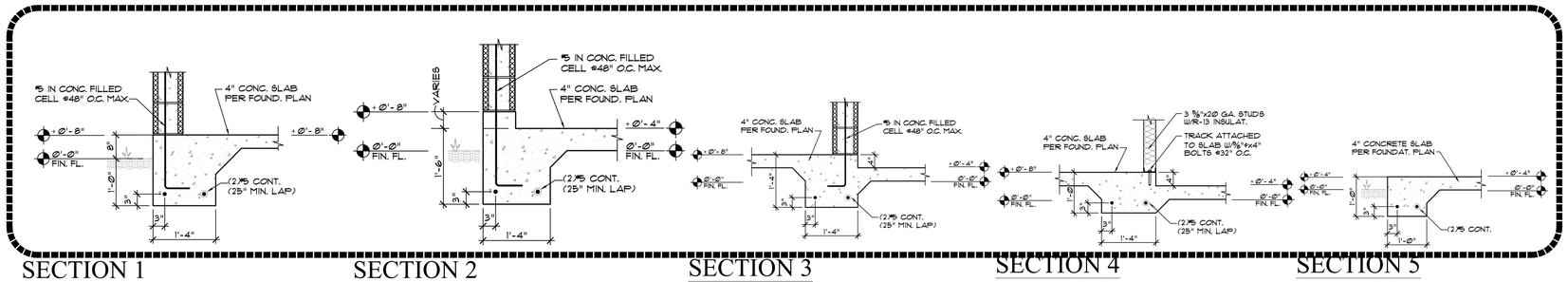
DETAIL TYPICAL STEM-WALL SECTION

SCALE: N.T.S.

LEGEND

1
- A. PLYWOOD with STEEL NAIL 2 1/2 @ 60"
- B. LAMINATED PLASTIC COVER
- C. ASPHALT SHINGLE:
  - SHINGLE TYPE: APP/SBS ON #30 FELT COVERING ON WOODEN BEAMS. MUST BE ATTACHED TO ROO FRAME WITH 8D RING SHAFT NAIL AT 6" ON CENTER AT EDGE AND 6" ON CENTER IN INTERMEDIATE FRAMING.

2. 2X4 X 4'-0" LONG MIN. WOOD OVERHANG BLOCKING FASTENED TO FACE OF RAFTER WITH 10d NAILS AT 4" O.C.
3. 26 ga. GALVANIZED METAL OR 0.019 PAINTABLE ALUMINUM DRIP
4. 1x3 R.S. DRIP
5. 2x6 R.S. CEDAR FASCIA OR VINYL
6. 2x4 WOOD BLOCKING
7. VENTILATED SOFFIT
8. BOND BEAM (SEE STRUCTURAL DWGS.)
9. 1/2" PARGE COAT CEMENTITIOUS FINISH–TWO COATS WITH FINISH SELECTED BY OWNER OVER 8" C.M.U. BLOCK AND BEAM
10. VERTICAL REINFORCING REBAR (SEE STRUCTURAL DRAWINGS FOR SIZE AND ARCH. DWGS FOR LOCATIONS)
11. NOT USED
12. APPROXIMATE FINISHED GRADE
13. CONCRETE FOOTING (SEE STRUCTURAL DRAWINGS) OPTIONAL STEM WALL FOOTING
14. R30 BATT INSULATION
15. 1/2" GYPSUM CEILING BOARD (SAG RESISTANT)
16. 1x2 OR 1x3 FURRING STRIPS AT 16" O.C. (TYPICAL)
17. TRUSS ANCHORING SYSTEM (SEE STRUCTURAL DRAWINGS FOR MODEL AND MANUFACTURER)
18. R4.1 FOIL INSULAITON
19. 1/2" GYPSUM WALLBOARD–PANELS APPLIED VERTICALLY OR HORIZONTALLY
20. 40 DIAMETER BAR EXTENSION (SEE ARCH. DWGS. FOR LOCATIONS)
21. BASE BOARD (MODEL SELECTED BY OWNER OR CONTRACTOR)
22. 1x2 OR 1x3 P.T. WOOD BOTTOM FURRING STRIPS (TYPICAL)
23. FINISHED FLOORING (SEE ARCH. DWG. FINISH SCHEDULE)
24. 4" CONCRETE SLAB (3,000 MIN. PSI AT 28 DAYS, ON GRADE WITH 6x6–W1.4 x W1.4 W.M.M. ON 6 MIL. PLASTIC VAPOR BARRIER WITH 6" OVERLAP JOINTS ON TERMITE TREATE AND CLEAN SOIL. (TYP.) SEE STRUCTURAL DRAWINGS FOR SOIL COMPACTION



SECTION 1 SCALE: N.T.S.

SECTION 2 SCALE: N.T.S.

SECTION 3 SCALE: N.T.S.

SECTION 4 SCALE: N.T.S.

SECTION 5 SCALE: N.T.S.

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PROJECT: MODEL SAPPHIRE
OWNER:
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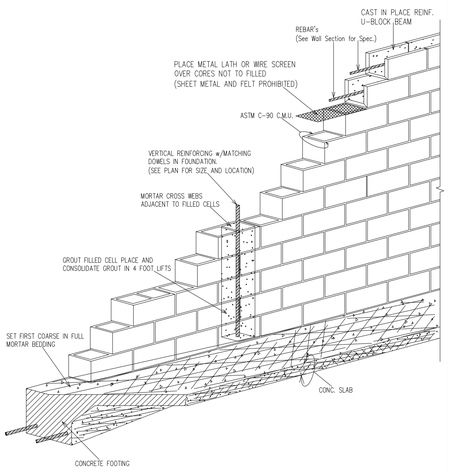
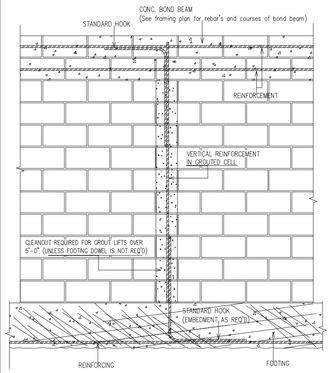
TYP. MASONRY WALL CONSTRUCTION

SCALE: N.T.S.



CONTINUITY OF VERTICAL REINFORCEMENT

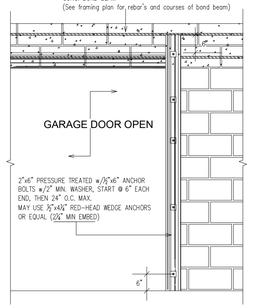
SCALE: N.T.S.



NOTE :
THE CONTRACTOR IS CAUTIONED THAT THE PRECISION SETTING OF WET SET ANCHORS IN THE TIE BEAM IS REQUIRED CONSULT THE TRUSS PLACEMENT PLANS, THE ARCHITECTURAL PLANS DETAILS FOR SPECIFIC REQUIREMENTS.

GARAGE DOOR BUCK DETAIL

DOOR INSTALLATION PER MANUFACTURER SPECIFICATIONS



DOOR BUCK DETAIL

DOOR INSTALLATION PER MANUFACTURER SPECIFICATIONS

SIDE HINGE DOORS:
2"x 8",8" OR 4" P.T. SET IN A FULL BED OF ADHESIVE CAULK ATTACH TO MASONRY w/5/8"x3¾"TAPCONS (OR EQUAL)

TOP:
2"x4"(6",8") P.T. SET IN A FULL BED OF ADHESIVE CAULK, ATTACH TO MASONRY w/2-ROWS OF 3/8"x3¾" TAPCONS (OR EQUAL) STAGGERED; START AT 6" AT THE END AND THEN 12" O.C. MAX.

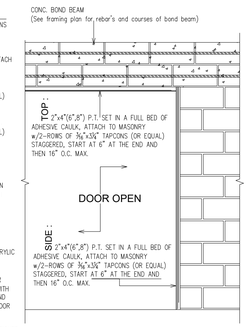
SIDES:
2"x4"(6",8") P.T. SET IN A FULL BED OF ADHESIVE CAULK, ATTACH TO MASONRY w/2-ROWS OF 3/8"x3¾" TAPCONS (OR EQUAL) STAGGERED, START AT 6" AT THE END AND THEN 12" O.C. MAX.

SLIDING GLASS DOORS:
1"x 8",8" OR 4" P.T. SET IN A FULL BED OF ADHESIVE CAULK ATTACHED TO MASONRY w/2-ROWS OF 1-3/8" x 0.097"-0.131" SHANK DIA. PNEUMATIC DRIVEN NAILS AT 8" O.C. STAGGERED. THEN ATTACH DOOR FRAME THRU 1"x BUCK DIRECTLY TO MASONRY WITH TAPCONS PER MANUFACTURE'S SPECIFICATIONS

NOTES:
1) ADHESIVE CAULK TO BE: "MO" DOOR & WINDOW SILICONIZED ACRYLIC CAULK (OR EQUAL) MEETING ASTM SPEC C-834

2) SIDE HINGE DOORS MAY UTILIZE 1"x P.T. BUCKS WITH THE DOOR FRAME INSTALLED THRU THE BUCKS TO THE MASONRY/TIE BEAM WITH TAPCONS. SEE THE MANUFACTURERS DETAILS FOR TAPCON SIZE AND SPACING. 1"x BUCK SIZE AND REQUIRED INOWING AND OUTSWING DOOR FRAME SIZES.

3) THE DOOR MANUFACTURERS INSTALLATION DETAILS FOR THE DESIGNED PRESSURES SHALL TAKE PRECEDENCE OVER THE ABOVE DETAILS.



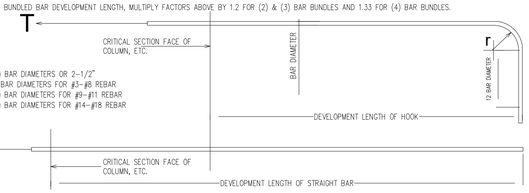
CAST-IN-PLACE CONCRETE REINFORCING BAR LAP SPLICE SCHEDULE

BAR SIZE	TENSION BARS			COMPRESSION BARS
F'y=60 ksi	3000 PSI	4000 PSI	5000 PSI	ALL STRENGTHS
#4	29"	25"	22"	15"
#5	36"	31"	28"	19"
#6	43"	37"	33"	23"
#7	63"	54"	49"	27"
#8	72"	62"	55"	30"
#9	81"	70"	63"	34"
#10	91"	79"	70"	39"
#11	101"	87"	78"	43"

REBAR DEVELOPMENT NON-EPOXY COATED TOP & BOTTOM BARS

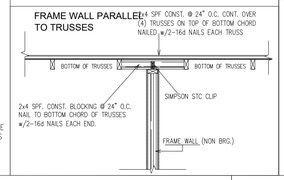
BAR SIZE	TENSION BARS			COMPRESSION BARS
F'y=60 ksi	3000 PSI	4000 PSI	5000 PSI	ALL STRENGTHS
#4	23"	20"	18"	9"
#5	29"	25"	22"	11"
#6	35"	30"	27"	13"
#7	63"	54"	49"	15"
#8	72"	62"	55"	17"
#9	81"	71"	63"	19"
#10	89"	79"	70"	21"
#11	98"	85"	76"	23"

NOTE: FOR BUNDLED BAR DEVELOPMENT LENGTH, MULTIPLY FACTORS ABOVE BY 1.2 FOR (2) & (3) BAR BUNDLES AND 1.33 FOR (4) BAR BUNDLES.

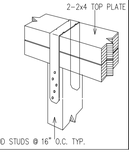


TYPICAL CONTINUOUS BEAM DIAGRAM

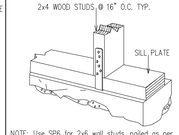
FRAME WALL PARALLEL TO TRUSSES



SIMPSON SP4 INSTALLATION



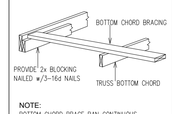
SIMPSON SPH4 INSTALLATION



NOTE: Use SP6 for 2x6 wall studs, nailed as per Simpson spec's.

BOTTOM CHORD BRACING DETAIL

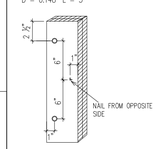
NOTE: DETAIL FOR VARIABLE BOTTOM CHORD SIZE



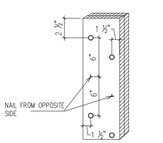
NOTE:
BOTTOM CHORD BRACE RAN CONTINUOUS OVER DROP GABLE TRUSS BOTTOM CHORD

BUILD-UP COLUMN DETAILS:

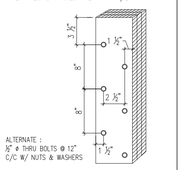
TWO (2) 2x4 LAMINATIONS W/ ONE ROW OF STAGGERED 10d COMMON WIRE NAILS
D = 0.148" L = 3"



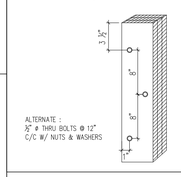
TWO (2) 2x6 LAMINATIONS W/ TWO ROW 10d COMMON WIRE NAILS
D = 0.148" L = 3"



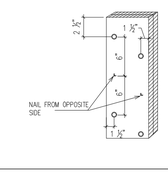
THREE (3) 2x6 OR THREE (3) 2x8 OR THREE (3) 2x10 LAMINATIONS W/ TWO ROW 30d COMMON WIRE NAILS. D = 0.207" L = 4- 1/2"



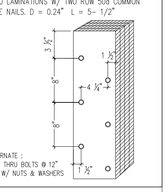
THREE (3) 2x4 LAMINATIONS W/ ONE ROW OF STAGGERED 30d COMMON WIRE NAILS
D = 0.207" L = 4- 1/2"



TWO (2) 2x8 OR TWO (2) 2x10 LAMINATIONS W/ TWO ROW 10d COMMON WIRE NAILS
D = 0.148" L = 3"



FOUR (4) 2x6 OR FOUR (4) 2x8 OR FOUR (4) 2x10 LAMINATIONS W/ TWO ROW 50d COMMON WIRE NAILS. D = 0.24" L = 5- 1/2"



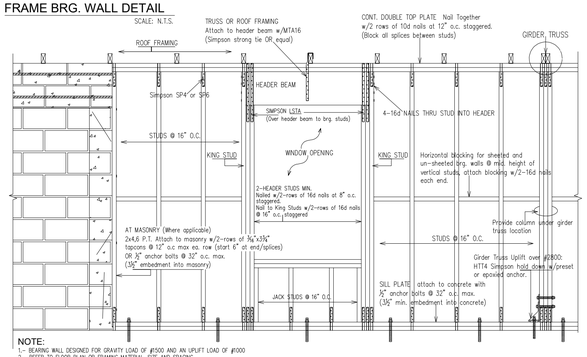
BUILD-UP COLUMN NOTES:

1. ADJACENT NAILS ARE DRIVEN FROM OPPOSITE SIDES OF THE COLUMN.
2. ALL NAILS TO PENETRATE AT LEAST 3/4 OF THICKNESS OF LAST PENETRATION.
3. 15D <= END DIST <= 18D
4. 20D <= SPACE BET. ADJ. NAILS IN A ROW <= 6tmin.
5. 10D <= SPACE BET. ROWS OF NAILS <= 20d
6. 5D <= EDGE DIST <= 20D
7. 2 OR MORE LONGITUDINAL ROWS OF NAILS ARE PROVIDED WHEN d > 3tmin.
8. D = NAIL DIAMETER
   d = DEPTH (FACE WIDTH) OF INDIVIDUAL LAMINATIONS
   t min. = THICKNESS OF THINNEST LAMINATION
9. WHEN ONE ROW OF NAILS ARE REQUIRED, ADJACENT NAILS SHALL BE STAGGERED
10. WHEN ONE ROW OF NAILS ARE REQUIRED, ADJACENT NAILS SHALL BE STAGGERED
11. WHEN THREE OR MORE LONGITUDINAL ROWS OF NAILS ARE USED, NAILS IN ADJACENT ROWS SHALL BE STAGGERED)
12. WHEN BORED HOLES ARE DESIRED TO PREVENT SLITTING OF WOOD, THE DIAMETER OF THE BORED
13. HOLE SHALL NOT EXCEED 75% OF NAIL DIAMETER FOR SOUTHERN PINE.

THESE DETAILS REPRODUCED FROM NDS SPECIFICATIONS 2005 EDITION

FRAME BRG. WALL DETAIL

SCALE: N.T.S.

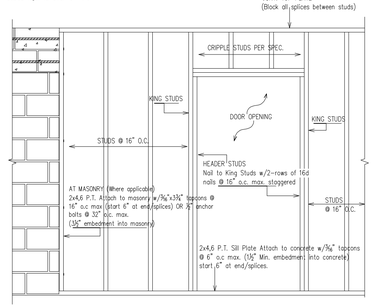


NOTE:
1.- BEARING WALL DESIGNED FOR GRAVITY LOAD OF @1500 AND AN UPLIFT LOAD OF @1000
2.- REFER TO FLOOR PLAN OR FRAMING MATERIAL SIZE AND SPACING.
3.- FASTEN BEAMS AND STUDS w/16d NAILS AT 16" O.C.
4.- SPACE FRAMING FROM HEADER TO TOP OF WINDOW/DOOR OPENING IF NECESSARY.
5.- EQUIVALENT FASTENERS OF OTHER MANUFACTURERS MAY BE SUBSTITUTED FOR THE LISTED FASTENERS.

FRAME WALL (non-brg.) DETAIL

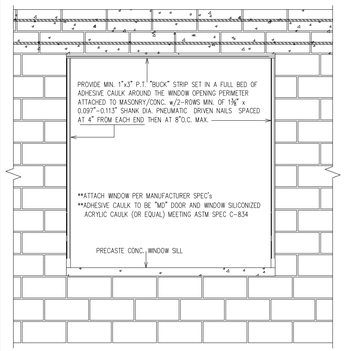
SCALE: N.T.S.

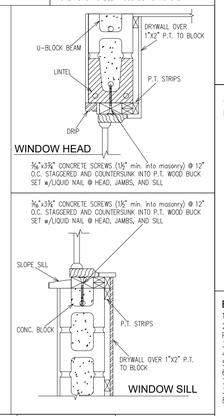
Studs shall be S.Y.P. No.2 @ 16" o.c. max. attach studs to top and sill plate w/2-10d nails for 2x4 framing and 3-10d nails for 2x6, provide intermediate horizontal blocking at mid. hgt. of studs when studs hgt. is over 9'-4".



MASONRY WINDOW ATTACHMENT

SCALE: N.T.S.



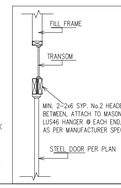


HEADER BEAM SCHEDULE (BEARING)

SPAN	HEADER BEAM DESCRIPTION	HEADER STUDS
0 TO 8'-0"	(multi-ply = wall thickness) 2x10's W/ 3/8" PLYWOOD SPACERS AS REQUIRED	2
Above 8'-0"	(multi-ply = wall thickness) 2x12's W/ 3/8" PLYWOOD SPACERS AS REQUIRED	3
Above 12'-0"	(multi-ply = wall thickness) 1¾" x 11⅞" GEORGIA PACIFIC 2.0E LVL	3

HEADER SPAN CALCULATIONS BASED ON 15'-0" SPAN CARRYING WITH @50 PLF ROOF LOADS

NOTES:
1.-EACH JACK STUD SHALL RECEIVE (1) MSTA24 MINIMUM, HEADER TO JACK.
2.-ALL JACK STUDS SHALL BE 2x UNLESS NOTED OTHERWISE
3.-HEADERS MAY BE PACKED OUT TO PROVIDE FLUSH FINISH WITH WALLS AS REQUIRED.
4.-NAIL MULTIPLE PLY'S TOGETHER PER NDS SCHEDULE PROVIDED.
5.-FOR SPANS UNDER 3'-6" PROVIDE (1) SIMPSON SP 6 PER JACK AT BASE.
6.-FOR ALL OTHER SPANS PROVIDE (1) HDSB EACH END.
7.-NONE OF THE ABOVE APPLIES FOR GIRDER LOADS LANDING ON HEADERS. FOR LOCATIONS WITH GIRDER LOADS USE MULTIPLY L/4's

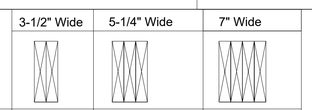


HEADER SCHEDULE

OPENING	SIZE	0' TO 12'-0" WALL HEIGHT	
		KING STUDS	HEADER STUDS
0'-0" TO 6'-0"	2-2x6 SYP No.2 (w/5/8" plywood between)	1-EACH SIDE	1-EACH SIDE
6'-0" TO 8'-0"	2-2x10 SYP No.2 (w/5/8" plywood between)	1-EACH SIDE	1-EACH SIDE
8'-0" TO 12'-0"	2-2x12 SYP No.2 (w/5/8" plywood between)	2-EACH SIDE	1-EACH SIDE

NOTE:
ALL HEADERS SHALL BE SYP. No.2 MIN. w/ 5/8" PLYWOOD FILLER BETWEEN MEMBERS, NAILED w/2-ROWS OF 16d NAILS @ 16" O.C. STAGGERED.

MINIMUM FASTENING REQUIREMENTS FOR MULTI-PLY LVL BEAMS

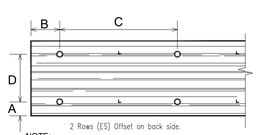


Fastener Type	LVL Depth	2-ply	3-ply	4-ply
10d Nails	7-1/4" ≤ d <14"	3 rows @ 12" o.c.	3 rows @ 12" o.c. (ES)	
	d ≥ 14"	4 rows @ 12" o.c.	4 rows @ 12" o.c. (ES)	
16d Nails	7-1/4" ≤ d <14"	2 rows @ 12" o.c.	2 rows @ 12" o.c. (ES)	
	d ≥ 14"	3 rows @ 12" o.c.	3 rows @ 12" o.c. (ES)	
1/2"ø Thru-Bolts	d ≥ 7¼"	2 rows @ 24" o.c.	2 rows @ 18" o.c. (ES)	
SDS 1/4" x 3-1/2"		2 rows @ 24" o.c.	2 rows @ 24" o.c. (ES)	2 rows @ 24" o.c. (ES)
SDS 1/4" x 6"				2 rows @ 24" o.c. (ES)
5" TrussLok			2 rows @ 24" o.c. (ES)	
6" TrussLok				2 rows @ 24" o.c. (ES)

1.-(ES) = Each Side, offset fasteners up to 1/2" of the on center spacing.
2.-Consult Georgia Pacific Specification Manual for Additional Information.
3.-Fastener spacing based off the 2005 NDS Manual.

FASTENER CLEARANCES FOR MULTI-PLY MEMBERS

Fastener Type	A	B		C		D
	MIN.	MIN.	MAX.	MIN.	MAX.	MIN.
10d & 16d Nails	2"	2"	6"	4"	12"	3"
Bolts & Screws	2"	4"	12"	4"	24"	3"



2 Rows (ES) Offset on back side.

NOTE:
EDGE DISTANCES ALSO APPLY TO BEAMS ONLY FASTENED ON ONE SIDE.

CONCRETE ANCHOR SPECIFICATIONS

FASTENER	Min. Embedment	Allowable Shear Load	Allowable Tension Load Load	Material	Substrate Material	Fla. Product Approval
3/16" Ø TITEN Screw	1-1/4"	220#	160#	Carbon Steel	Hollow or Grout Filled CMU	2355.1
3/16" Ø TITEN Screw	1-1/4"	255#	305#	Carbon Steel	Concrete	2355.1
3/16" Ø TITEN Screw	1-1/4"	78#	78#	Stainless Steel	Hollow or Grout Filled CMU	2355.1
1/4" Ø TITEN Screw	1-1/4"	300#	165#	Carbon Steel	Hollow or Grout Filled CMU	2355.1
1/4" Ø TITEN Screw	1-1/4"	400#	365#	Carbon Steel	Concrete	2355.1
1/4" Ø TITEN Screw	1-1/4"	124#	137#	Stainless Steel	Hollow or Grout Filled CMU	2355.1
3/8" Ø TITEN HDScrew	2-1/4"	870#	480#	Carbon Steel	Grouted CMU	11506.7
1/2" Ø TITEN HDScrew	3-1/2"	1,385#	690#	Carbon Steel	Grouted CMU	11506.7
5/8" Ø TITEN HDScrew	4-1/2"	2,085#	1,060#	Carbon Steel	Grouted CMU	11506.7
3/4" Ø TITEN HDScrew	5-1/2"	3,000#	1,600#	Carbon Steel	Grouted CMU	11506.7

Notes:
1.-Stainless steel fasteners may only be used when specifically stated on the detail drawings.
2.-Design values in masonry substrate refer to face shell embedment only.
3.-Simpson fasteners may not be installed within 1-1/4" of mortar joint, when installed into masonry
4.-All fasteners design values into concrete substrate are based on 3,000 psi concrete strength..

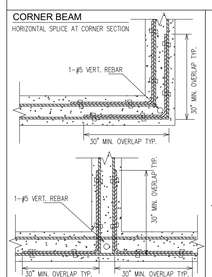
STIRRUP AND HOOK

No.3 BAR = 2¾"
No.5 BAR = 3¾"
No.6 BAR = 4¾"
No.7 BAR = 5¾"

No.3 BAR = 6"
No.5 BAR = 10"
No.6 BAR = 12"
No.7 BAR = 14"

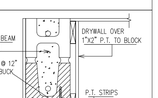
CORNER BEAM

HORIZONTAL SPLICE AT CORNER SECTION



DOOR HEAD DETAIL

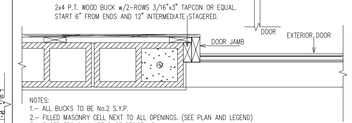
SCALE: N.T.S.



DOOR BUCK DETAIL

SCALE: N.T.S.

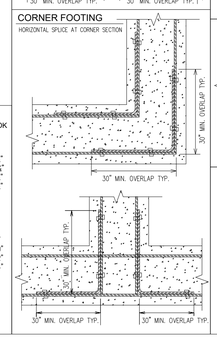
2x4 P.T. WOOD BUCK w/2-ROWS 3/16"x3" TAPCON OR EQUAL. START 6" FROM ENDS AND 12" INTERMEDIATE STAGERED.



NOTES:
1.- ALL BUCKS TO BE No.2 S.Y.P.
2.- FILLED MASONRY CELL NEXT TO ALL OPENINGS. (SEE PLAN AND LEGEND)
3.- FASTENERS SHALL BE RUST RESISTANT.
4.- SECURE JAMB TO WOOD BUCK w/MIN. (2) 8d NAILS SPACED @ 16" O.C. MAX. ON BOTH SIDES OF HINGES AND STRIKE PLATE.

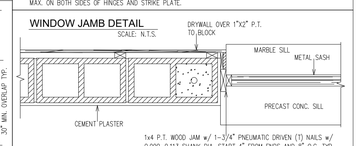
CORNER FOOTING

HORIZONTAL SPLICE AT CORNER SECTION



WINDOW JAMB DETAIL

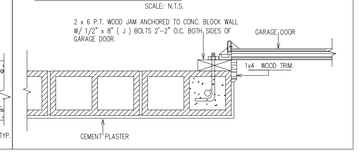
SCALE: N.T.S.



GARAGE DOOR JAMB DETAIL

SCALE: N.T.S.

2 x 6 P.T. WOOD JAM ANCHORED TO CONC. BLOCK WALL W/ 1/2" x 8" (J) BOLTS 2'-2" O.C. BOTH SIDES OF GARAGE DOOR.



SIMPSON STRONG-TIE WEDGE-ALL SPECIFICATION

ANCHOR DIAMETER (IN)	MIN. EMBEDMENT (IN)	CRITICAL EDGE DISTANCE (IN)	CRITICAL SPACING (IN)	ALLOWABLE TENSION (LBS)	ALLOWABLE SHEAR (LBS)	INSTALL TORQUE (FT-LBS)
1/4	1-1/8	2-1/2	2-1/2	205	230	8
	2-1/4	2-1/2	3-1/8	530	230	
3/8	1-3/4	3-3/4	2-3/8	555	570	30
	2-5/8	3-3/4	3-5/8	1,100	1,055	
	3-3/8	3-3/4	4-3/4	1,140	1,055	
1/2	2-1/4	5	3-1/8	1,070	1,485	60
	3-3/8	5	4-3/4	1,985	1,850	
	4-1/2	5	6-1/4	2,350	1,850	
5/8	2-3/4	6-1/4	3-7/8	1,640	1,900	90
	4-1/2	6-1/4	6-1/4	2,990	2,740	
	5-1/2	6-1/4	7-3/4	2,990	2,740	
3/4	3-3/8	7-1/2	4-3/4	2,090	2,840	150
	5	7-1/2	7	3,225	4,610	
	6-3/4	7-1/2	9-1/2	3,380	4,610	
1	4-1/2	10	6-1/4	3,885	5,730	300
	9	10	12-5/8	6,335	6,345	

NOTES:

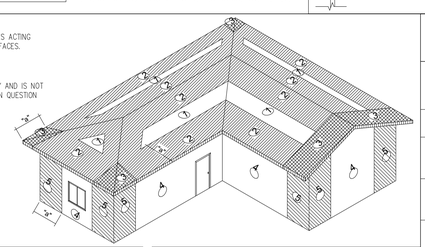
1.-Allowable loads listed are based on a safety factor of 4.
2.-Allowable loads are based on f'c = 3000 psi.
3.-Minimum concrete thickness is 1.5 times embedment depth.
4.-Refer to Simpson Strong-Tie Wedge-All specification for further information.
5.-All fasteners are to be Carbon Steel.
6.-Provide Zinc Plated fasteners for interior applications.
7.-Provide Hot-Dipped Galvanized for exterior applications.
8.-Florida Product Approval # FL11506.8 for all Simpson Strong-Tie Wedge-All Products listed above.

NOTES:

1. PLUS AND MINUS SIGNS SIGNIFY PRESSURES ACTING TOWARD AND AWAY FROM THE BUILDING SURFACES.
2. EDGE DISTANCE "a" = 5'-0".

NOTE:
MODEL IS FOR ILLUSTRATION PURPOSES ONLY AND IS NOT MEANT TO SIMULATE THE ACTUAL PROJECT IN QUESTION

1. GENERAL UPLIFT ZONE
2. END UPLIFT ZONE
3. CORNER UPLIFT ZONE
4. TYPICAL WALL
5. WALL AT CORNER



ULTIMATE DESIGN WIND PRESSURE (PSF)

	ZONE		TRIBUTARY AREA - 160mph Exp. B MRH < 30' (ROOF > 7 TO 27 DEGREES)				
			10 FT²	20 FT²	50 FT²	100 FT²	500 FT²
ROOF	INTERIOR	1	+26.5/-42.1	+24.2/-41.0	+21.1/-39.4	+18.7/-38.3	+18.7/-38.2
	EDGE	2	+26.5/-73.4	+24.2/-67.5	+21.1/-59.7	+18.7/-53.9	+18.7/-53.9
	OVERHANG		-85.9	-85.9	-85.9	-85.9	-85.9
	CORNER	3	+26.5/-108.5	+24.2/-101.4	+21.1/-92.1	+18.7/-85.1	+18.7/-85.1
	OVERHANG		-144.4	-130.3	-111.7	-97.6	-97.6
WALL	INTERIOR	4	+46.1/-50.0	+44.0/-47.9	+41.2/-45.1	+39.2/-43.1	+34.3/-38.2
	CORNER	5	+46.1/-61.7	+44.0/-57.5	+41.2/-52.0	+39.2/-47.9	+34.3/-38.2

NOMINAL DESIGN WIND PRESSURE (PSF)

	ZONE		TRIBUTARY AREA - 123mph Exp. B MRH < 30' (ROOF > 7 TO 27 DEGREES)				
			10 FT²	20 FT²	50 FT²	100 FT²	500 FT²
ROOF	INTERIOR	1	+15.9/-25.3	+14.5/-24.6	+12.7/-23.6	+11.2/-22.9	+11.2/-22.9
	EDGE	2	+15.9/-44.0	+14.5/-40.5	+12.7/-35.8	+11.2/-32.3	+11.2/-32.3
	OVERHANG		-51.5	-51.5	-51.5	-51.5	-51.5
	CORNER	3	+15.9/-65.1	+14.5/-60.8	+12.7/-55.3	+11.2/-51.1	+11.2/-51.1
	OVERHANG		-86.6	-78.2	-67.0	-58.6	-58.6
WALL	INTERIOR	4	+27.7/-30.0	+26.4/-28.7	+24.7/-27.1	+23.5/-25.9	+20.6/-22.9
	CORNER	5	+27.7/-37.0	+26.4/-34.5	+24.7/-31.2	+23.5/-28.8	+20.6/-22.9

ROOF SHEATHING CONNECTORS

Roof sheathing nailing to comply with R803.2.3.1 Florida Building Code.

MINIMUM CONNECTIONS PER PLYWOOD SHEET
EDGE OF EACH SHEET:.....8d RING-SHANK NAILS @ 4" O.C.
FIELD OF EACH SHEET:.....8d RING-SHANK NAILS @ 6" O.C.

MINIMUM CONNECTIONS PER UPLIFT ZONE

1. GENERAL U