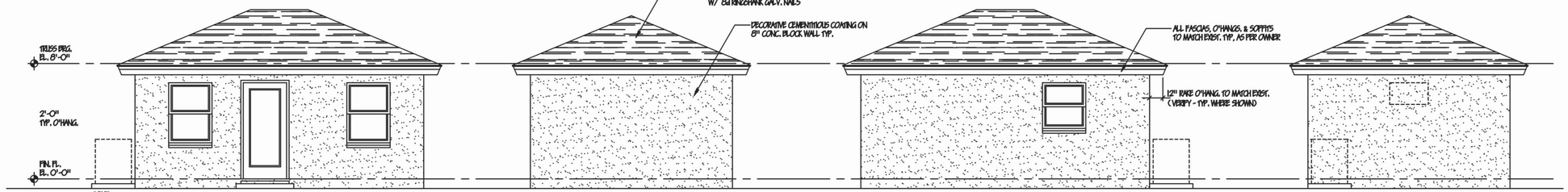
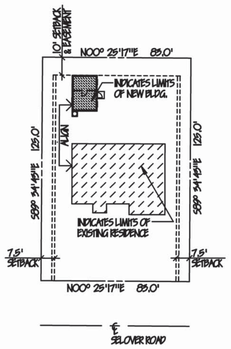


FRONT ELEVATION
1/4" = 1'-0"

RIGHT ELEVATION
1/4" = 1'-0"

REAR ELEVATION
1/4" = 1'-0"

LEFT ELEVATION
1/4" = 1'-0"



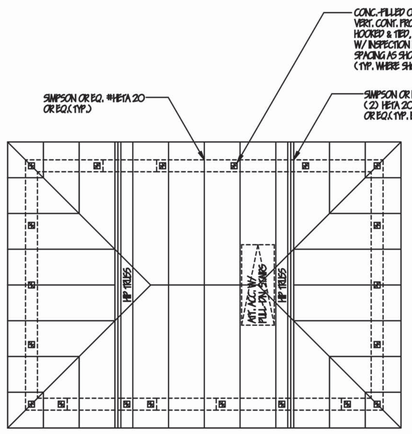
PROPOSED SITE PLAN
1" = 10'

NOTE:
VERIFY FINAL LOCATION OF NEW ADDITION W/ OWNER PRIOR TO START OF CONSTRUCTION

LOT 19, BLOCK 1823, 37TH ADDITION TO NORTH CHARLOTTE SUBDIVISION, ACCORDING TO THE PLAT THEREOF AS RECORDED IN PLAT BOOK 16 PAGES 4, 4A-4H, OF THE PUBLIC RECORDS OF SARASOTA COUNTY, FLORIDA

ROOF FRAMING NOTES:

1. ROOF FRAMING PLAN FOR DESIGN PURPOSES ONLY.
2. CONTRACTOR AND/OR OWNER TO VERIFY ALL NOTES, DETAILS AND DIMENSIONS PRIOR TO START OF CONSTRUCTION.
3. ALL ROOF PITCHES TO BE 5/12 TO MATCH EXIST. (VERIFY)
4. ALL ROOF OVERHANGS TO BE 12" HIP TO MATCH EXIST, (VERIFY PRIOR TO START OF CONSTRUCTION).
5. PRE-ENG. ROOF TRUSSES TO BE 24" O/C MAX.
6. ALL LINTELS TO BE PRESTRESSED PRECAST AS REQ'D. (TYP. U.O.N.). FILL SOLID W/ 3000 PSI CONC. & REINFORCE W/ 1-#5. PROVIDE 8" BEARING @ EACH END MINIMUM W/ NOTCH TO ALLOW FILLED-CELL BAR TO PASS THROUGH.
7. PROVIDE FBC2020-APPROVED ANCHORS CAPABLE OF MEETING UPLIFT REQ. AS PROVIDED BY TRUSS MFR. AT EACH BEARING POINT OF EACH TRUSS OR RAFTER.
8. PROVIDE A CONTINUOUS TRANSFER OF LOADS (UPLIFT) FROM EACH TRUSS OR RAFTER TO FOUNDATION.
9. ROOF TRUSSES SHALL BE DESIGNED FOR A TOP CHORD L.L. OF 30 PSF., TOP CHORD D.L. OF 15 PSF., AND A BOTTOM CHORD D.L. OF 10 PSF. WIND UPLIFT IN ACCORDANCE W/ 2014 FLORIDA BUILDING CODE FOR 150 MPH. ULTIMATE WIND VELOCITY MAX. DESIGN LOAD.
10. PROVIDE STORAGE TRUSSES AS PER OWNER, TO HAVE 40 PSF. L.L. BOTTOM CHORD CAPACITY.
11. ROOF SHEATHING TO BE MINIMUM 15/32" OSB W/ 8d RINGSHANK NAILS @ 5" O/C @ PANEL EDGES AND WITHIN 48" OF EDGE OR RIDGE (BLOCK AS REQ'D.), AND 6" O/C ELSEWHERE TYP.

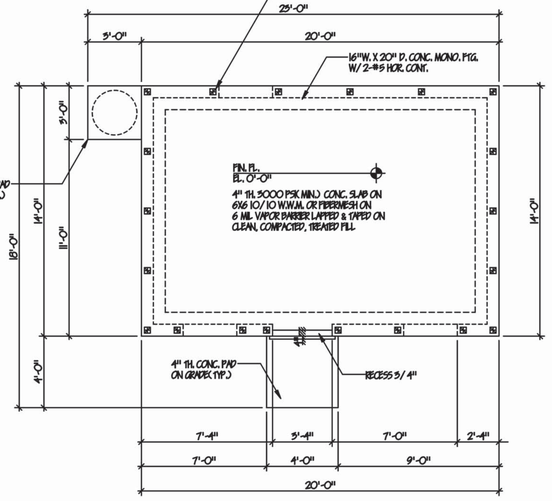


PROPOSED ROOF FRAMING PLAN
1/4" = 1'-0"

NOTE:
ROOF SLOPE 5/12 (VERIFY)

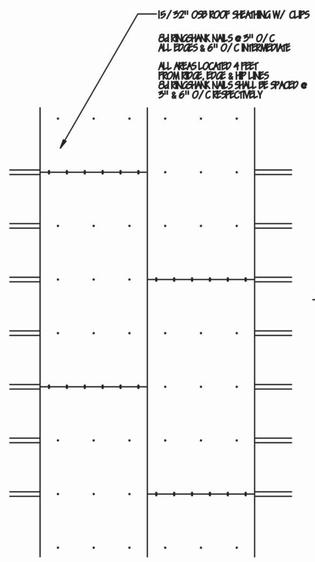
NOTES:
FOR DESIGN PURPOSES ONLY- REFER TO TRUSS FABRICATOR'S SHOP DWGS. FOR ALL INFORMATION TYP.

ALL LINTELS TO BE PRECAST TYP.

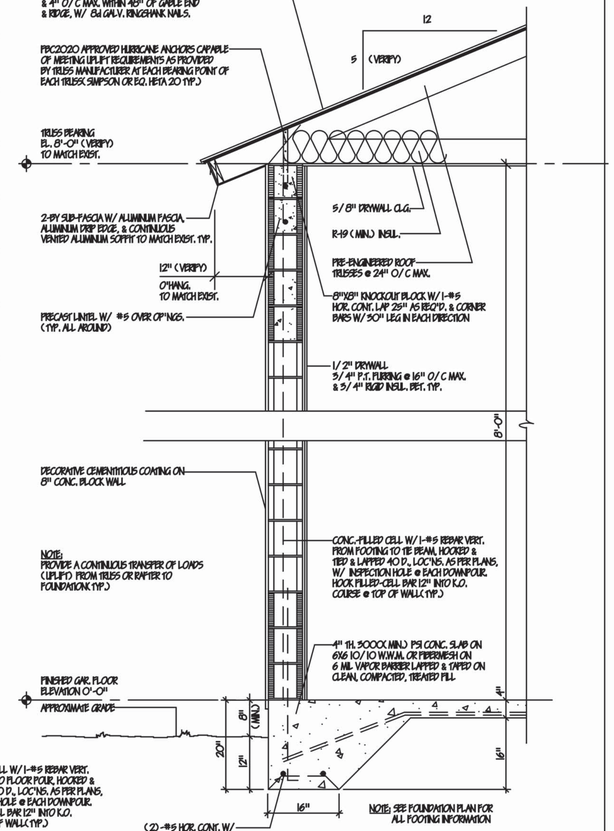


PROPOSED FOUNDATION PLAN
1/4"=1'-0"

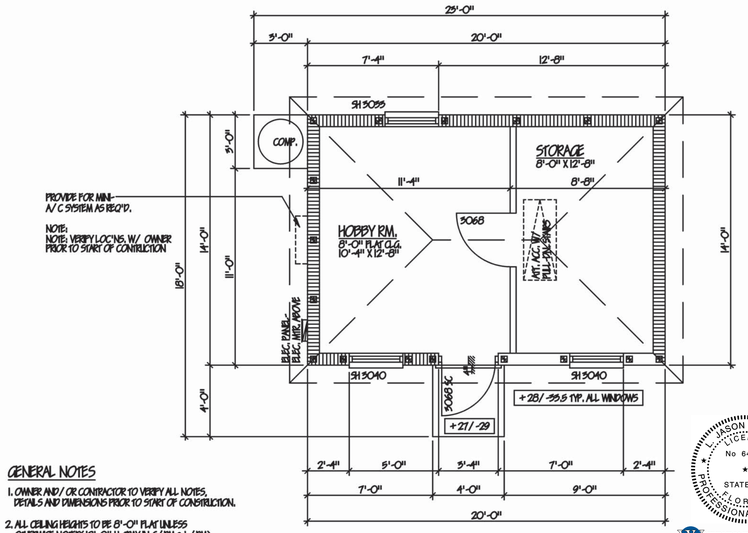
1. PROVIDE #5 REBAR GROUND TO FOUNDATION STEEL.
2. ALL REINFORCING STEEL TO BE ASTM A615 GRADE N50.



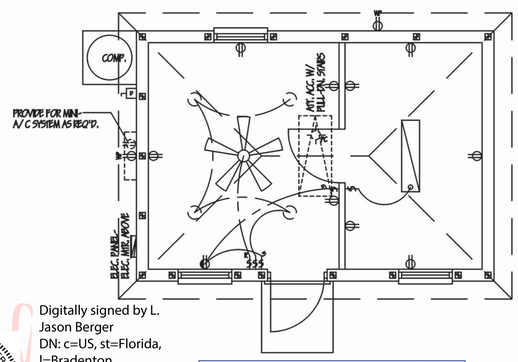
ROOF DECKING NAILING DIAGRAM
NO SCALE



TYPICAL WALL SECTION
3/4" = 1'-0"



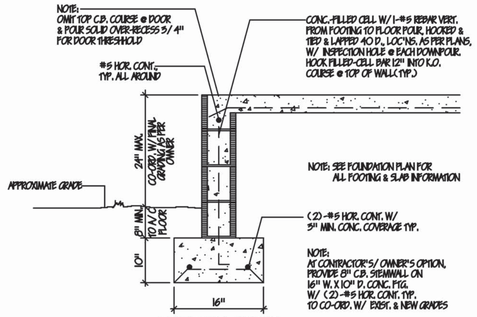
PROPOSED FLOOR PLAN
1/4" = 1'-0"



PROPOSED ELECTRICAL PLAN
1/4" = 1'-0"

GENERAL NOTES

1. OWNER AND/OR CONTRACTOR TO VERIFY ALL NOTES, DETAILS AND DIMENSIONS PRIOR TO START OF CONSTRUCTION.
2. ALL CEILING HEIGHTS TO BE 8'-0" FLAT UNLESS OTHERWISE NOTED: 12'-0" H. TRAY IN G/RM & L/RM.
3. PROVIDE #5 REBAR ELECTRICAL GROUND TO FOUNDATION STEEL.
4. VERIFY ALL FLOOR COVERINGS AND LOCATIONS WITH OWNER AND CO-ORD. FLOOR WITH DROPS AS REQ'D.



TYPICAL WALL SECTION
3/4" = 1'-0"

JASON BERGER LICENSE No 64003 STATE OF FLORIDA PROFESSIONAL ENGINEER

WHETSTONE ENGINEERING & TESTING, INC.
PO Box 110324
Bradenton, FL 34211
Certificate of Authorization #9298

Digitally signed by L. Jason Berger
DN: c=US, st=Florida, l=Bradenton, o=Whetstone Engineering & Testing, Inc., cn=L. Jason Berger, email=Jason@WhetstoneEng.com
Reason: I am approving this document
Date: 2021.05.20 15:52:14 -04'00'

These drawings, when signed and sealed, are an indication that Whetstone Engineering & Testing, Inc. has reviewed the structural components only of the structure for conformance with the Florida Residential Code 7th Edition (2020). No other certification, inclusive of architectural elements and dimensional accuracy, etc. is expressed or implied.

JASON BERGER LICENSE No 64003 STATE OF FLORIDA PROFESSIONAL ENGINEER

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PO Box 110324
Bradenton, FL 34211
Certificate of Authorization #9298

This item has been electronically signed and sealed using a digital signature. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

THESE PLANS HAVE BEEN PREPARED IN ACCORDANCE WITH THE FBC2020, 7TH ED. Vult = 160 mph, Vasd = 116 mph Exp. B, Risk Cat II, ENCLOSED (MB)

WHETSTONE ENGINEERING AND TESTING, INC.
ENGINEERING AND TESTING, INC.
L. JASON BERGER, PE # 64003
P.O. BOX 110327
BRADENTON, FL 34211
(941) 727-1158

REVISIONS:
1.
2.
3.
4.
5.
6.
7.
8.
9.

MARKITECTURE
CUSTOM RESIDENTIAL DESIGN & DRAFTING
310 EAST LAKE DRIVE, SARASOTA FL 34232 (941)587-6455
OWNER AND/OR CONTRACTOR TO VERIFY ALL NOTES, DETAILS AND DIMENSIONS PRIOR TO START OF CONSTRUCTION

PROJECT:
A NEW HOBBY OUTBUILDING FOR:
KEVIN & LYNN ROCHE
2100 SLOVER ROAD, NORTH PORT, FL

JOB: 210527
DWN: MLB
CHKD.: MLB
DATE: 5/19/21
SCALE: AS SHOWN
DWG. NO.: —
OF 1

SHOP DRAWING
This truss layout (shop Drawing) has been reviewed by Whetstone Engineering and Testing, Inc. and found to be consistent with our design, and as such is accepted for use on this structure.

L. JASON BERGER LICENSE No 64003 STATE OF FLORIDA PROFESSIONAL ENGINEER

WHETSTONE ENGINEERING & TESTING, INC.
PO Box 110324
Bradenton, FL 34211
Certificate of Authorization #9298

JAKE YODER CONSTRUCTION
ROCHE HOBBY BLDG.
KJ#210739

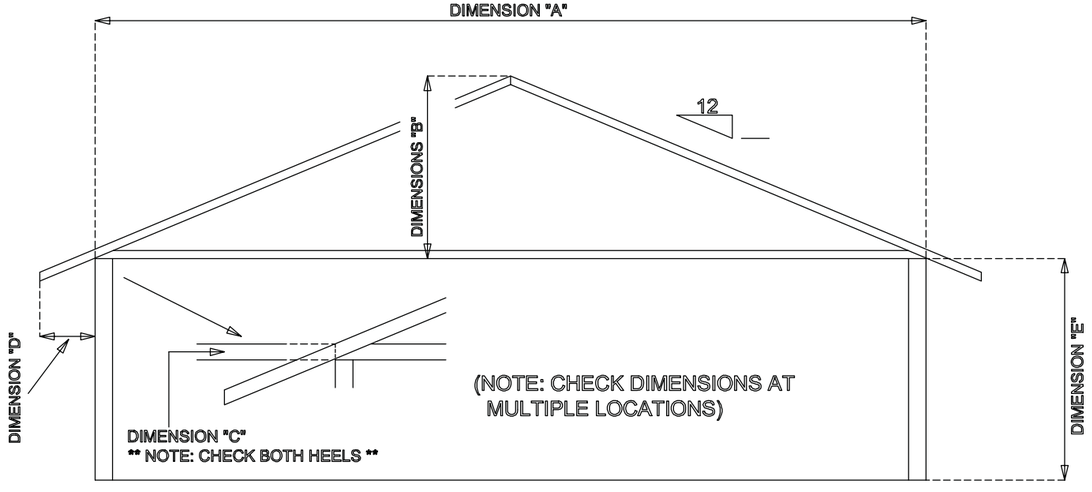
KIMAL LUMBER AND HARDWARE
ENGINEERED WOOD PROD. DIV.
VENICE, FL
ALPINE ENGINEERING

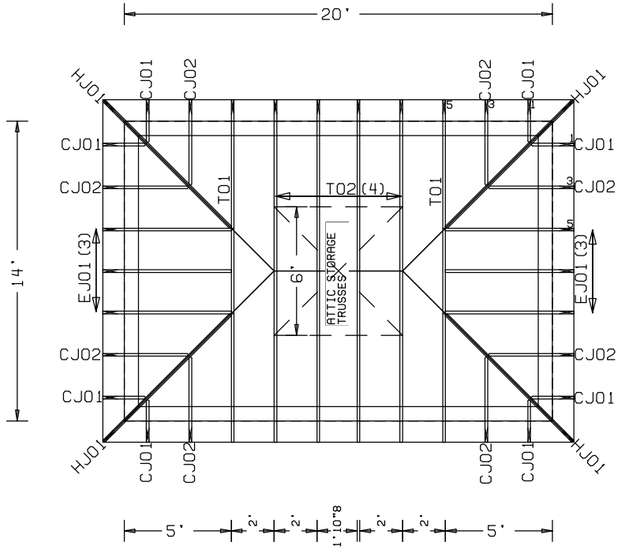
*** ALL EXISTING / NEW INFORMATION MUST BE SUPPLIED / VERIFIED 3 WEEKS PRIOR TO TRUSS FABRICATION. SEE EXISTING INFORMATION WORKSHEET. ***

5/12 TC PITCH
2X4 TOP CHORD
1'-0" O.H. (SQ)
8" BEARING
FBC2020 - 7TH EDITION
TPI 2014
55PSF DESIGN LOAD
30PSF TC/LL
15PSF TC/DL
10PSF BC/DL
(10PSF BC/LL NON-CONCURRENT)
1.25 DUR. FACTOR
ASCE7-16 WINDLOAD
160MPH
EXPOSURE C
ENCLOSED
10PSF DEADLOAD TO RESIST UPLIFT
280 - TRUSSED SQFT

EXISTING INFORMATION WORKSHEET

***** MEASURE EXISTING, DO NOT MEASURE OR CALCULATE NEW TRUSSES *****





DIMENSION "A" FT. _____ IN. _____
DIMENSION "B" FT. _____ IN. _____
DIMENSION "C" FT. _____ IN. _____
DIMENSION "D" FT. _____ IN. _____
DIMENSION "E" FT. _____ IN. _____

TOP CHORD SIZE 2X4 OR 2X6
EXIST. ROOF SHINGLE OR TILE

CANTILEVER FT. _____ IN. _____
(WHEN REQUIRED)

FINAL LAYOUT
FOR PERMIT PURPOSES

REACTIONS DO NOT EXCEED 5000lbs.
UPLIFTS DO NOT EXCEED 1000lbs.

THIS LAYOUT WAS DESIGNED FROM THE PLANS DATED: 4/11/21
PLEASE VERIFY THAT THIS DATE IS FROM THE MOST CURRENT SET OF PLANS

NOTICE:
BACKCHARGES WILL NOT BE ACCEPTED, REGARDLESS OF FAULT, WITHOUT 48 HR. PRIOR NOTIFICATION AND INSPECTION BY KIMAL LUMBER

VERIFY ALL DIMENSIONS, CONDITIONS, ETC. AND RETURN APPROVED COPY TO KIMAL LUMBER

SIGNED:_____ DATE:_____

REQUESTED/ESTIMATED DELIVERY DATE:_____

DESIGNED: 05/01/21 LMB
REVISED: 05/19/21 (WIND CHANGE) LMB

STRUCTURAL DESIGN GENERAL NOTES, PARAMETERS, AND CRITERIA USED

THE STRUCTURAL COMPONENTS OF THIS PLAN HAVE BEEN REVIEWED UNDER THE RESPONSIBLE CHARGE OF **WHETSTONE ENGINEERING AND TESTING, INC. {CERTIFICATE OF AUTHORIZATION #9298, PO BOX 110327, BRADENTON, FL 34211, (941) 727-1138}**, AND AS SUCH, REPRESENTS OUR INTELLECTUAL PROPERTY AND SHALL ONLY BE USED IN CONJUNCTION WITH THE SEAL AND SIGNATURE OF WHETSTONE ENGINEERING AND TESTING, INC. ANY CONTRADICTIONS SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF WHETSTONE ENGINEERING AND TESTING, INC. THIS PLAN IS FOUND TO BE IN COMPLIANCE WITH THE STRUCTURAL PROVISIONS OF THE FLORIDA BUILDING CODE 2020 7TH EDITION , OR ASCE 7-16 WHEN THE COMPONENTS EXCEED THE PRESCRIPTIVE DESIGNS WITHIN THE FBC, FRC, AND FEBC.

DESIGN PARAMETERS SUMMARY

I. WIND LOADS, (PER FBC/ASCE 7-16)
A. RISK CATEGORY II, (TABLE 1604.5/TABLE 1.5-1)
B. EXPOSURE CATEGORY B , (TABLE 1609.4.3/SECT 26.7.3)
C. ULTIMATE DESIGN WIND SPEED, V ULT =160 MPH (FIG 1609.3(1)/FIG 26.5-1B)
D. NOMINAL DESIGN WIND SPEED, V ASD =124 MPH (1609.3/NA)
E. INTERNAL PRESSURE COEFFICIENT, GCPI= .18, ENCLOSED (NA/TABLE 26.13-1)
F. COMPONENT AND CLADDING PRESSURES (FOR TESTED PRODUCTS) UNLESS SPECIFIED ON THE PLANS
1. WINDOWS, DOORS, SIDING AND SOFFITS (ZONES 4,5) - SEE C&C LOADING CHART
2. ROOF COVERINGS (ZONES 1,2,3) SEE C&C LOADING CHART
II. LIVE LOADS, PER 1607, INCLUSIVE BUT NOT LIMITED TO;
A. ROOF LIVE LOAD 20 PSF
B. FLOOR LIVE LOAD 40 PSF. BALCONIES/DECKS 60 PSF.
C. UNINHABITABLE ATTICS WITHOUT STORAGE 10 PSF
D. UNINHABITABLE ATTICS WITH STORAGE 20 PSF
III. DEAD LOADS, PER 1606, INCLUSIVE BUT NOT LIMITED TO;
A. ROOF DEAD LOAD (TOP CHORD) 10 PSF (SHINGLE/METAL) , 15 PSF (TILE)
B. ROOF DEAD LOAD (BOTTOM CHORD) 10 PSF
C. FLOOR DEAD LOAD 15 PSF
D. CONTRACTOR RESPONSIBLE FOR INFORMING EOR WHEN MATERIALS USED EXCEED DEAD LOADS LISTED ABOVE
IV. FLOOD LOADS, PER ASCE CHAPTER 5 WHEN APPLICABLE

USE AND OCCUPANCY CLASSIFICATION, per FBC 101.2 Exc. 1. See FRC 2020 7TH EDITION

I. CLASSIFICATION, RESIDENTIAL (Single or Two Family Dwellings) FRC 2020 7TH EDITION
II. TYPE OF CONSTRUCTION V-B (All materials, Non-Sprinklered)
III. ALLOWABLE BUILDING HEIGHT, UP TO 3 STORIES above grade plane per R101.2
IV. ALLOWABLE BUILDING AREA, UNLIMITED

SPECIFICATIONS

ALL PRODUCTS TO BE INSTALLED PER MANUFACTURERS' SPECIFICATIONS, NO EXCEPTIONS OR MODIFICATIONS ALLOWED WITHOUT PROPER DOCUMENTATION FROM THE MANUFACTURER.

FLORIDA RESIDENTIAL CODE 2020 7TH EDITION, UNLESS NOTED SPECIFICALLY ON THE CONSTRUCTION DOCUMENTS, AS PER R301.1.3, ENGINEERED DESIGN, THE MORE STRINGENT SPECIFICATION APPLIES. ALL OTHER ASPECTS OF CODE COMPLIANCE NOT MENTIONED IN THIS STRUCTURAL SUPPLEMENT SHALL BE PER FBC 2020 , FRC 2020, AND/OR FEBC 2020 7TH EDITION.

CODE REFERENCES

I. BUILDING PLANNING SHALL COMPLY WITH CHAPTER 3, FRC, INCLUDING BUT NOT LIMITED TO;
A. FIRE RESISTANT CONSTRUCTION PER R302
1. EXTERIOR WALL CONSTRUCTION PER R302.1; CONSTRUCTION, PROJECTIONS, OPENINGS AND PENETRATIONS OF EXTERIOR WALLS OF DWELLINGS AND ACCESSORY BUILDINGS SHALL COMPLY WITH TABLE R302.1
a. WALLS WITHIN 3' OF PROPERTY LINE MUST BE 1-HR RATED, IN ACCORDANCE TO ASTM E 119 OR UL 263, WITH EXPOSURE FROM THE OUTSIDE OR CALCULATED PER FBC, BUILDING
b. PROJECTIONS FROM 2' AND LESS THAN 3' OF PROPERTY LINE MUST BE 1-HR RATED FROM THE UNDERSIDE. NO PROJECTIONS ALLOWED WITHIN 2' OF PROPERTY LINE
c. OPENINGS ARE NOT ALLOWED IN WALLS WITHIN LESS THAN 3' OF PROPERTY LINE
d. PENETRATIONS MUST COMPLY WITH R302.4 WHEN WITHIN LESS THAN 3' OF PROPERTY LINE
2. DWELLING/GARAGE OPENING/PENETRATION PROTECTION SHALL COMPLY WITH R302.5
a. DOOR SHALL BE 1 3/8" THICK, SOLID WOOD/SOLID OR HONEYCOMB CORE STEEL, OR 20 MIN FIRE RATED, PER R302.5.1
b. DUCT PENETRATIONS SHALL BE OF NO. 26 GAGE SHEET STEEL, 1 INCH MIN RIGID NONMETALLIC CLASS 0 OR CLASS 1 DUCT BOARD, AND SHALL NOT HAVE OPENINGS INTO THE GARAGE, PER R302.5.2
3. DWELLING/ GARAGE SEPARATION SHALL COMPLY WITH R302.6 AND TABLE R302.6 & ATTACHED PER R702.3.5
a. FROM RESIDENCE AND ATTIC- MIN ½" GYPSUM BOARD APPLIED TO GARAGE SIDE
b. FROM ALL HABITABLE ROOMS ABOVE GARAGE- MIN 5/8" TYPE X GYPSUM BOARD APPLIED TO THE GARAGE SIDE
4. FIRE BLOCKING SHALL COMPLY WITH R302.11
5. DRAFT STOPPING SHALL COMPLY WITH R302.12
B. LIGHT, VENTILATION AND HEATING SHALL COMPLY WITH R303
C. GLAZING SHALL COMPLY WITH R308
D. EMERGENCY ESCAPE AND RESCUE OPENINGS SHALL COMPLY WITH R310
E. MEANS OF EGRESS SHALL COMPLY WITH R311
F. GUARDS AND WINDOW FALL PROTECTION SHALL COMPLY WITH R312
G. SMOKE ALARMS SHALL COMPLY WITH R314
1. POWER SOURCE PER R314.6; SMOKE ALARMS SHALL RECEIVE THEIR PRIMARY POWER FROM THE BUILDING WIRING WHEN SUCH WIRING IS SERVED FROM A COMMERCIAL SOURCE, AND WHEN PRIMARY POWER IS INTERRUPTED, SHALL RECEIVE POWER FROM A BATTERY. WIRING SHALL BE PERMANENT AND WITHOUT A DISCONNECTING SWITCH OTHER THAN THOSE REQUIRED FOR OVERCURRENT PROTECTION. SMOKE ALARMS ARE PERMITTED TO BE BATTERY OPERATED WHEN INSTALLED IN BUILDINGS WITHOUT COMMERCIAL POWER.
2. INTERCONNECTION PER R314.4; WHEN MORE THAN ONE SMOKE ALARM IS REQUIRED TO BE INSTALLED WITHIN AN INDIVIDUAL DWELLING UNIT IN ACCORDANCE WITH SECTION R314.3, THE ALARM DEVICES SHALL BE INTERCONNECTED IN SUCH A MANNER THAT THE ACTUATION OF ONE ALARM WILL ACTIVATE ALL OF THE ALARMS IN THE INDIVIDUAL UNIT. PHYSICAL INTERCONNECTION OF SMOKE ALARMS SHALL NOT BE REQUIRED WHERE LISTED WIRELESS ALARMS ARE INSTALLED AND ALL ALARMS SOUND UPON ACTIVATION OF ONE ALARM.
H. CARBON MONOXIDE ALARMS SHALL COMPLY WITH R315
I. PROTECTION OF WOOD AGAINST DECAY SHALL COMPLY WITH R317
J. PROTECTION AGAINST TERMITES SHALL COMPLY WITH R318, INSPECTION PER R318.7
1. A PERMANENT SIGN WHICH IDENTIFIES THE TERMITE TREATMENT PROVIDER AND NEED TO RE-INSPECTION AND TREATMENT CONTRACT RENEWAL SHALL BE PROVIDED. THE SIGN SHALL BE POSTED NEAR THE WATER HEATER OR ELECTRICAL PANEL
2. CONDENSATE AND ROOF DOWNSPOUTS SHALL DISCHARGE AT LEAST 1' AWAY FROM BUILDING SIDE WALLS
3. IRRIGATION/SPRINKLER SYSTEM INCLUDING ALL RISERS AND SPRAY HEADS SHALL NOT BE INSTALLED WITHIN 1' OF THE BUILDING SIDE WALLS
4. TO PROVIDE FOR INSPECTION FOR TERMITE INFESTATION, BETWEEN WALL COVERING AND FINAL EARTH GRADE SHALL NOT BE LESS THAN 6", DOES NOT APPLY TO PAINT OR DECORATIVE CEMENTITIOUS FINISH LESS THAN 5/8" APPLIED DIRECTLY TO THE FOUNDATION WALL
5. INITIAL TREATMENT SHALL BE DONE AFTER ALL EXCAVATION, BACKFILLING & COMPACTION IS COMPLETE
6. SOIL DISTURBED AFTER THE INITIAL TREATMENT SHALL BE RETREATED INCLUDING SPACES BOXED OR FORMED
7. BOXED AREAS IN CONCRETE FLOORS FOR SUBSEQUENT INSTALLATION OF PLUMBING TRAPS, DRAINS OR ANY OTHER PURPOSE SHALL BE MADE WITH PERMANENT METAL OR PLASTIC FORMS. PERMANENT FORMS MUST BE OF A SIZE AND DEPTH THAT WILL ELIMINATE THE DISTURBANCE OF SOIL AFTER THE INITIAL TREATMENT.
8. MINIMUM 6 MIL VAPOR RETARDER MUST BE INSTALLED TO PROTECT AGAINST RAINFALL DILUTION. IF RAINFALL OCCURS BEFORE VAPOR RETARDER PLACEMENT, RETREATMENT IS REQUIRED.
9. CONCRETE OVER POUR AND MORTAR ALONG FOUNDATION PERIMETER MUST BE REMOVED BEFORE EXTERIOR SOIL TREATMENT
10. SOIL TREATMENT MUST BE APPLIED UNDER ALL EXTERIOR CONCRETE OR GRADE WITHIN 1' OF THE STRUCTURE SIDEWALLS
11. AN EXTERIOR VERTICAL CHEMICAL BARRIER MUST BE INSTALLED PROMPTLY AFTER CONSTRUCTION IS COMPLETE INCLUDING LANDSCAPING AND IRRIGATION. ANY SOIL DISTURBED AFTER THE VERTICAL BARRIER IS APPLIED, SHALL BE PROMPTLY RETREATED.
12. ALL BUILDINGS ARE REQUIRED TO HAVE PRE-CONSTRUCTION TREATMENT
13. 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."
14. AFTER ALL WORK IS COMPLETED, LOOSE WOOD AND DEBRIS SHALL BE REMOVED FROM BELOW AND WITHIN 1' OF THE BUILDING. THIS INCLUDES BUT IS NOT LIMITED TO ALL GRADE STAKES, TUB TRAP BOXES, FORMS, SHORING OR OTHER CELLULOSE CONTAINING MATERIAL FBC 2304.12.9.3
15. NO WOOD, VEGETATION, STUMPS, CARDBOARD, TRASH, ETC SHALL BE BURIED WITHIN 15' OF ANY BUILDING OR PROPOSED BUILDING
K. ACCESSIBILITY SHALL COMPLY WITH R320 AND THE FBC, ACCESSIBILITY
L. FLOOD RESISTANT CONSTRUCTION, WHEN APPLICABLE, SHALL COMPLY WITH R322 OPENINGS, INSTALLED IN ACCORDANCE WITH SECTION R322.2.2.1 AND AS DESIGNATED BY LOCAL JURISDICTION; THE TOTAL NET AREA OF NON-ENGINEERED OPENINGS SHALL BE NOT LESS THAN 1 SQUARE INCH FOR EACH SQUARE FOOT OF ENCLOSED AREA WHERE THE ENCLOSED AREA IS MEASURED ON THE EXTERIOR OF THE ENCLOSURE WALLS, OR THE OPENINGS SHALL BE DESIGNED AS ENGINEERED OPENINGS AND THE CONSTRUCTION DOCUMENTS SHALL INCLUDE A STATEMENT BY A REGISTERED DESIGN PROFESSIONAL THAT THE DESIGN OF THE OPENING WILL PROVIDE EQUALIZATION OF HYDROSTATIC FLOOD FORCES ON THE EXTERIOR WALLS BY ALLOWING FOR THE AUTOMATIC ENTRY AND EXIT OF FLOODWATERS AS SPECIFIED BY SECTION 2.7.2.2 OF ASCE 24.
M. ALL HABITABLE CONDITIONED SPACE TO BE ABOVE FLOOD ELEVATION PER CHAPTER 2, SECTION 202 OF FRC: HABITABLE SPACE SHALL BE DEFINED AS A SPACE IN A STRUCTURE FOR LIVING, SLEEPING, EATING OR COOKING.

II. FOUNDATIONS PER CHAPTER 4 FRC, INCLUDING BUT NOT LIMITED TO;
A. SOIL BEARING CAPACITY BASED UPON 2,000 PSF
B. ALL SOILS SHALL BE FREE OF DEBRIS AND ORGANIC MATERIALS AND PROPERLY COMPACTED
C. COMPACTED FILL MATERIAL SHALL NOT EXCEED 12" LIFTS
D. MINIMUM DEPTH OF EXTERIOR FOOTINGS SHALL BE 12" BELOW UNDISTURBED GROUND SURFACE
E. WATERPROOFING AND DAMP PROOFING SHALL COMPLY WITH R406

III. FLOORS PER CHAPTER 5, FRC INCLUDING BUT NOT LIMITED TO;
A. WOOD FLOOR FRAMING SHALL COMPLY WITH R502, WOOD TRUSS DESIGNS SHALL BE DELEGATED TO A SPECIALTY ENGINEER AND SHALL COMPLY WITH R502.11
B. FLOOR SHEATHING SHALL COMPLY WITH R503, AND SHALL BE ¾" GLUED AND NAILED WITH 10D AT 6" OC U.N.O.
C. CONCRETE FLOORS ON GROUND SHALL COMPLY WITH R506
1. SHALL BE A MIN 3 ½" THICK WITH COMPRESSIVE STRENGTH OF 2,500 PSI AT 28 DAYS
2. SHALL CONTAIN 6X6 W1.4 X W1.4 WELDED WIRE MESH, MAY SUBSTITUTE WWM WITH SYNTHETIC FIBER REINFORCEMENT

IV. CONCRETE PER CHAPTER 19 FBC, INCLUDING BUT NOT LIMITED TO;
A. SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 2,500 PSI AT 28 DAYS
B. CONCRETE MIXTURES SHALL CONFORM TO THE MOST RESTRICTIVE MAXIMUM WATER-CEMENTITIOUS MATERIALS RATIOS AND MINIMUM SPECIFIED CONCRETE COMPRESSIVE STRENGTH REQUIREMENTS OF ACI 318
C. REINFORCEMENT SHALL BE GRADE 60 AND SHALL COMPLY WITH ACI 318 CHAPTER 20 AND 25
D. ALL BOLTS SHALL CONFORM TO ASTM A307 AND ACI 318

V. STEEL PER CHAPTER 22 FBC, INCLUDING BUT NOT LIMITED TO;
A. STRUCTURAL STEEL SHALL COMPLY WITH AISC360
B. COLD FORMED STEEL SHALL COMPLY WITH AISI S100 AND AISI S240
C. IDENTIFICATION AND PROTECTION SHALL BE PROVIDED PER FBC SECTION 2203
D. WELDING AND CONNECTIONS NOT SPECIFIED ON PLANS SHALL COMPLY WITH FBC SECTION 2204

VI. WALL CONSTRUCTION PER CHAPTER 6 FRC, INCLUDING BUT NOT LIMITED TO;
A. WOOD WALL FRAMING SHALL COMPLY WITH R602 AND WOOD SHALL COMPLY WITH FBC CHAPTER 23
1. IDENTIFICATION PER R602.1, ROOF FRAMING SHALL BE SYP #2, ALL OTHER LUMBER SPECIFIED SHALL BE SPF #2, UNLESS NOTED OTHERWISE
2. NON LOAD BEARING WALLS.
3. DESIGN AND CONSTRUCTION PER R602.3, ANSI AWC NDS, AND AWC WFCM
a. SAWN LUMBER SHALL COMPLY WITH DOC PS20
b. I-JOIST SHALL COMPLY WITH ASTM D 5055
c. GLUE LAMINATED LUMBER SHALL COMPLY WITH ANSI A 190.1, ANSI 117 AND ASTM D 3737, DESIGN BASED UPON MICROLLAM, GLU-LAM, VERSALAM PRODUCTS, UNLESS SPECIFIED DIFFERENTLY
d. WOOD STRUCTURAL PANELS SHALL COMPLY WITH DOC PS1, DOC PS2 OR ANSI/APA PRP 210 AND SECTION R604
e. ALL FRAMING NOT SPECIFICALLY DETAILED SHALL COMPLY WITH FASTENING SCHEDULE PROVIDED IN FBC TABLE 2304.10.1
B. GENERAL MASONRY CONSTRUCTION SHALL COMPLY WITH R606 AND FBC CHAPTER 21
1. MASONRY CONSTRUCTION SHALL BE DESIGNED AND CONSTRUCTED IN ACCORDANCE WITH R301.2.1.1, TMS 402/403/404.
2. MASONRY UNITS SHALL BE HOLLOW UNIT MASONRY IN ACCORDANCE WITH ASTM C90 AND SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 1,900 PSI
3. MASONRY UNITS SHALL BE RUNNING BOND
4. REINFORCING STEEL SHALL COMPLY WITH R606 AND SHALL BE GRADE 60, WITH A MINIMUM 2" COVERAGE FROM THE INSIDE EDGE OF THE MASONRY UNIT AND SHALL HAVE THE FOLLOWING MINIMUM LAP SPLICES;
a. #5 REBAR SHALL BE SPLICED A MINIMUM OF 25"
b. #6 REBAR SHALL BE SPLICED A MINIMUM OF 44"
c. #7 REBAR SHALL BE SPLICED A MINIMUM OF 59"
C. UNIT MASONRY SHALL COMPLY WITH R606 AND FBC CHAPTER 21
1. MORTAR SHALL COMPLY WITH R606 OR THE PROPERTY SPECIFICATION OF ASTM C270
2. INSTALLATION OF WALL TIES SHALL COMPLY WITH R606
D. GROUTED MASONRY SHALL COMPLY WITH R606
1. GROUT SHALL COMPLY WITH R606 AND ASTM C 476
2. PRECAST LINTELS SPECIFIED SHALL COMPLY WITH MANUFACTURERS SPECIFICATIONS, DESIGNS BASED UPON CAST-CRETE PRECAST LINTELS
E. GLASS MASONRY UNITS SHALL COMPLY WITH R607
F. EXTERIOR WINDOWS AND DOORS SHALL COMPLY WITH R609 AND SHALL MEET THE DESIGN PRESSURES LISTED IN C&C LOADING CHART, U.N.O. ON PLANS.
1. WHEN THE OPENING OF AN OPERABLE WINDOW IS LOCATED MORE THAN 72 INCHES ABOVE FINISHED GRADE, THE LOWEST PART OF THE CLEAR OPENING OF THE WINDOW SHALL BE A MINIMUM OF 24 INCHES ABOVE THE FINISHED FLOOR
2. TESTED AND LABELED IN ACCORDANCE WITH R609.3
3. EXTERIOR DOOR ASSEMBLIES SHALL COMPLY WITH R609.5 AND ASTM E330
4. SECTIONAL GARAGE DOORS SHALL COMPLY WITH R609.4 AND SHALL BE TESTED IN ACCORDANCE WITH ANSI/DASMA 18, ASTM E330 OR TAS 202 AND LABELED ACCORDING TO R609.4.1
5. PROTECTION OF OPENINGS SHALL COMPLY WITH R301.2.1.2
6. MULLIONS SHALL COMPLY WITH R609.8 AND BE CAPABLE OF RESISTING A LOAD 1.5 TIMES THE PRESSURES SPECIFIED ON THE PLANS
G. IMPACT RESISTANT COVERINGS SHALL COMPLY WITH R609.11 AND SHALL BE TESTED AT 1.5 TIMES THE DESIGN PRESSURES SPECIFIED IN THE DESIGN PARAMETERS SECTION ABOVE
H. SOFFITS SHALL COMPLY WITH R704 AND SHALL BE TESTED AT 1.5 TIMES THE SPECIFIED DESIGN PRESSURE IN THE COMPONENT AND CLADDING LOAD CHART, AND INSTALLED PER MANUFACTURERS SPECIFICATIONS

WATERPROOFING - THIS SIGNED AND SEALED PRODUCT DOES NOT INCLUDE ALL INCLUSIVE PROVISIONS FOR WEATHERPROOFING OR WATER INTRUSION PREVENTION. CONTRACTOR SHALL TAKE ALL STEPS NECESSARY TO PROVIDE A WATERPROOF STRUCTURE AND SHALL ACCEPT RESPONSIBILITY FOR SAME.

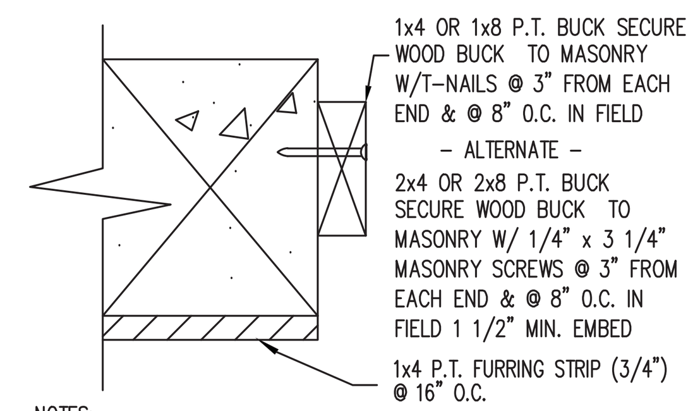
A. WALL COVERINGS PER CHAPTER 7 FRC, INCLUDING BUT NOT LIMITED TO;
A. INTERIOR COVERINGS SHALL COMPLY WITH R702
1. INTERIOR PLASTER SHALL COMPLY WITH R702.2
2. GYPSUM BOARD SHALL COMPLY WITH R702.3
B. EXTERIOR COVERINGS SHALL COMPLY WITH R703
1. WATER RESISTANCE SHALL COMPLY WITH R703.1.1
2. WATER RESISTIVE BARRIERS SHALL COMPLY WITH R703.7.3
3. EXTERIOR USE OF PORTLAND CEMENT PLASTER SHALL COMPLY WITH R703.7 AND THE APPLICATION REQUIREMENTS OF ASTM C926, ASTM C1063 OR ASTM C1787 AS IT PERTAINS TO;
a. LATH PER R703.7.1 LATH AND LATH ATTACHMENTS SHALL BE OF CORRISION-RESISTANT MATERIALS, EXPANDED METAL OR WOVEN WIRE LATH SHALL BE ATTACHED WITH 1-1/2 -INCH-LONG (38mm), 11 GAGE NAILS HAVING A 7/16-INCH (11.1mm) HEAD, OR 7/8-INCH-LONG (22.2mm), 16 GAGE STAPLES, SPACED IN ACCORDANCE WITH ASTM C1063 OR C1787, OR AS OTHERWISE APPROVED.
b. PLASTER PER R703.7.2
c. WEEP SCREED PER R703.7.2.1
d. WATER RESISTIVE BARRIERS PER R703.7.3 WATER RESISTIVE BARRIERS SHALL BE INSTALLED AS REQUIRED IN SECTION R703.2 AND, WHERE APPLIED OVER WOOD-BASED-SHEATHING, SHALL INCLUDE A WATER-RESISTIVE VAPOR-PERMEABLE BARRIER WITH A PERFORMANCE AT LEAST EQUIVALENT TO TWO LAYERS OF GRADE D PAPER. THE INDIVIDUAL LAYERS SHALL BE INSTALLED INDEPENDENTLY SUCH THAT EACH LAYER PROVIDES A SEPARATE CONTINUOUS PLANE & ANY FLASHING (INSTALLED IN ACCORDANCE WITH SECTION R703.4) INTENDED TO DRAIN TO THE WATER-RESISTIVE BARRIER IS DIRECTED BETWEEN THE LAYERS. THIS INCLUDES THE GABLE ENDS OF THE STRUCTURE & ANYWHERE THE 3-COAT STUCCO IS APPLIED TO WIRE LATH.
e. APPLICATION PER R703.7.4
f. CURING PER R703.7.5
4. FLASHING SHALL COMPLY WITH R703.4 AND SHALL BE CORROSION RESISTANT AND APPLIED SHINGLE FASHION. SELF-ADHERED MEMBRANES SHALL COMPLY WITH AAMA 711

VIII. ROOF-CEILING CONSTRUCTION PER CHAPTER 8 FRC, INCLUDING BUT NOT LIMITED TO;
A. ALL STANDARDS PREVIOUSLY MENTIONED
B. WOOD TRUSSES SHALL COMPLY WITH R802.10
C. ROOF SHEATHING SHALL COMPLY WITH R803
D. SHEATHING SHALL BE ATTACHED PER R803.2.3.1, UNLESS SPECIFIED ON THE PLANS
E. ROOF VENTILATION SHALL COMPLY WITH R806
F. ATTIC ACCESS SHALL COMPLY WITH R807

IX. ROOF ASSEMBLY PER CHAPTER 9 FRC, INCLUDING BUT NOT LIMITED TO;
A. WEATHER PROTECTION PER R903
B. MATERIALS PER R904
C. UNDERLAYMENT PER R905.1.1
D. COVERINGS PER R905
1. ASPHALT SHINGLES SHALL COMPLY WITH R905 AND ASTM D 3462
a. FLASHING PER R905.2.8
b. DRIP EDGE PER R905.2.8.5
2. CLAY OR CONCRETE TILES SHALL COMPLY WITH R905.3
a. FLASHING PER R905.3.8
3. METAL ROOFING SHALL COMPLY WITH R905.4
a. FLASHING PER R905.4.6
4. MINERAL SURFACED ROLL ROOFING SHALL COMPLY WITH R905.5

X. CHIMNEYS AND FIREPLACES PER CHAPTER 10 FRC, INCLUDING BUT NOT LIMITED TO ;
A. MASONRY FIREPLACES PER R1001
B. MASONRY CHIMNEYS PER R1003

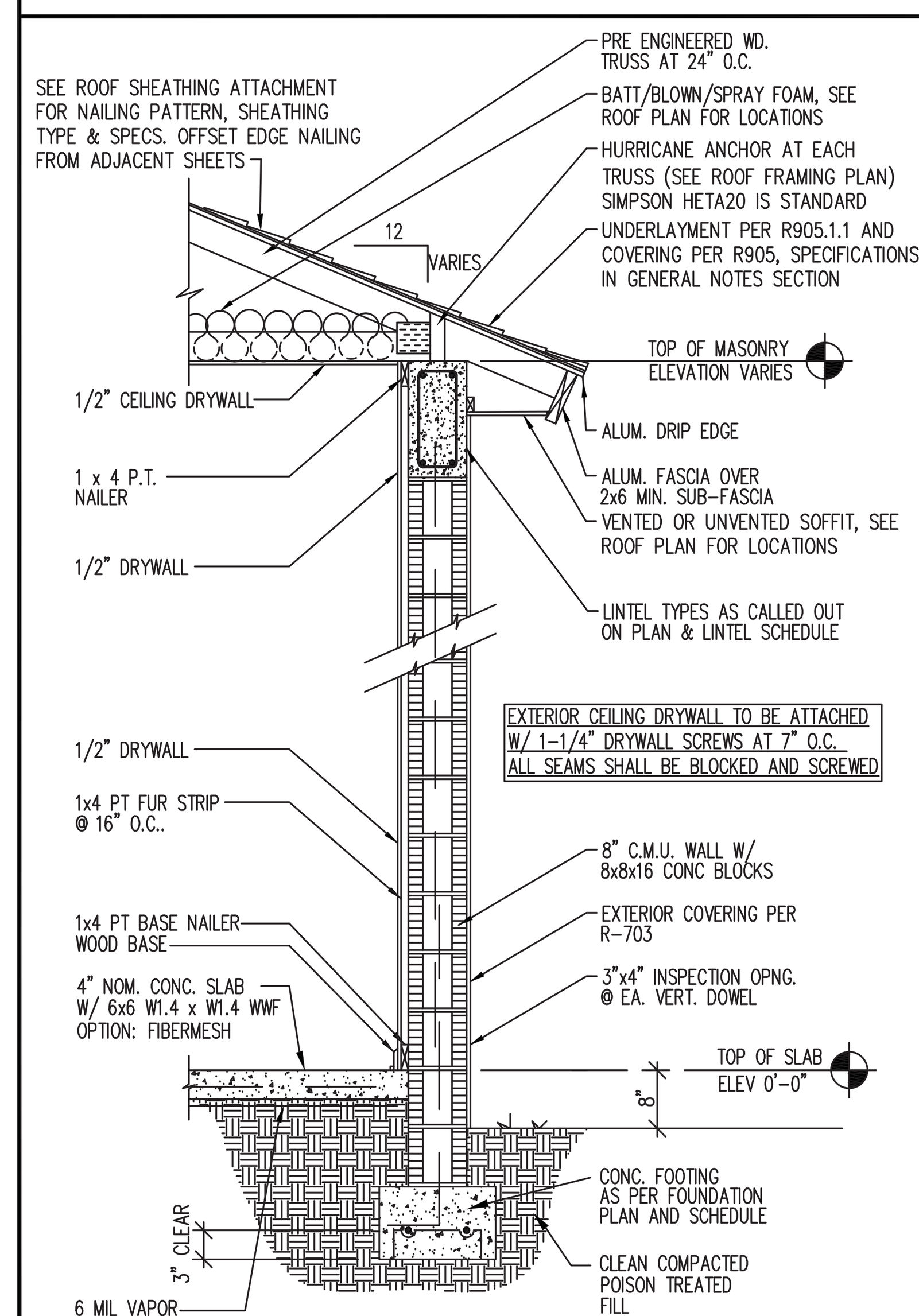
XI. ENERGY EFFICIENCY PER FLORIDA BUILDING CODE, ENERGY CONSERVATION 2020 7TH EDITION
XII. MECHANICAL SHALL COMPLY WITH CHAPTERS 12-23 AND FBC2020 7TH EDITION MECHANICAL
XIII. FUEL GAS SHALL COMPLY WITH CHAPTER 24 AND FBC 2020 7TH EDITION FUEL GAS
XIV. PLUMBING SHALL COMPLY WITH CHAPTERS 25-33 FBC2020 7TH EDITION PLUMBING
XV. ELECTRICAL SHALL COMPLY WITH CHAPTERS 34-43 AND FBC 2020 7TH EDITION ELECTRICAL, AND NFPA 70



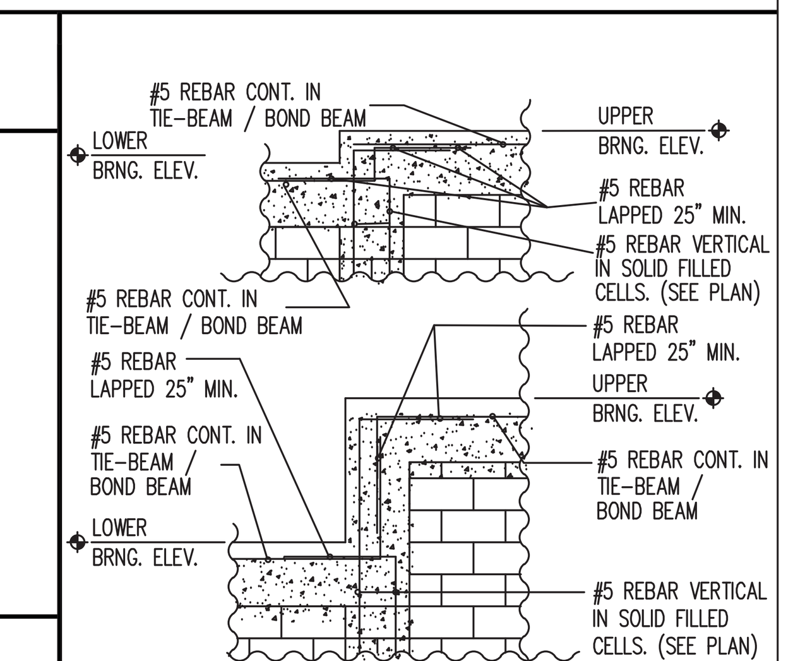
NOTES:
- IF A MULTIPLE BUCK IS REQUIRED THE ADDITIONAL LUMBER, UP TO AND INCLUDING 1 1/2" IN THICKNESS, SHALL BE NAILED AT 12" O.C. WITH 10d NAILS, (8d ACCEPTABLE FOR 1x'S)
- WHEN ADDITIONAL LAYERS ARE NEEDED, IT IS ADVISED THAT A BUCK INSPECTION SHALL BE PASSED PRIOR TO ADDING ADDITIONAL LAYERS WITHOUT MASONRY SCREWS.
- ANY BUCK STRIP GREATER THAN OR EQUAL TO 6" WILL NOT BE ALLOWED, ANY SPACE BETWEEN WINDOW/DOOR AND MASONRY SHALL BE FILLED AND CONSTRUCTED PER MIXED CONSTRUCTION DETAIL WITH A MIN OF (1) 5/8" x 6" ANCHOR BOLTS INTO SLAB AND CONCRETE ABOVE.
- 5/8" x 6" TITEN HD'S, ARE ACCEPTABLE SUBSTITUTIONS FOR ANCHOR BOLTS IN THIS SPECIFIC SITUATION

BUCK STRIP DETAIL
SCALE: N.T.S.

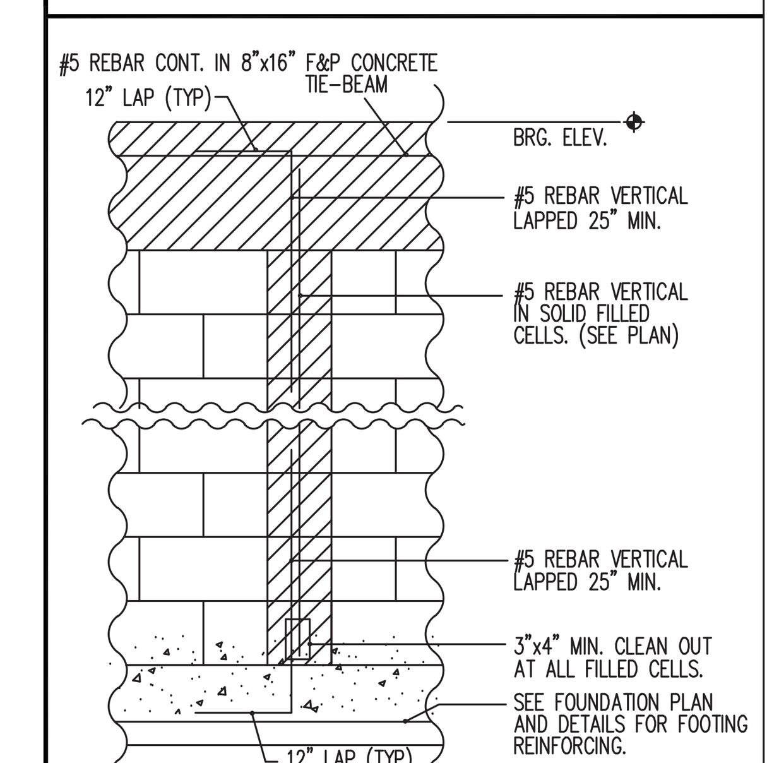
SINGLE STORY SECTIONS/DETAILS



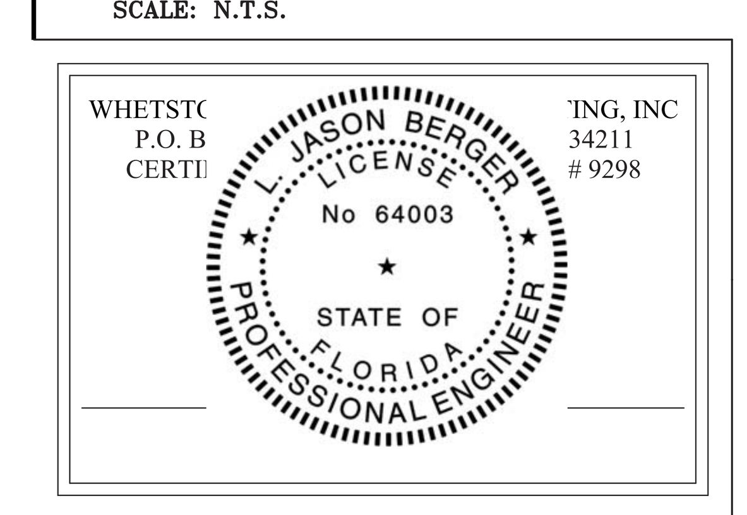
TYPICAL MASONRY WALL
SCALE: N.T.S.



STEPPED TIE/BOND BEAMS (TYP)
SCALE: N.T.S.



FILLED CELL DETAIL (TYP)
SCALE: N.T.S.



ENGINEER'S STATEMENT: THIS STRUCTURE HAS BEEN DESIGNED IN GENERAL ACCORDANCE WITH THE 2020 FBC (INCLUSIVE OF ASCE 7), FOR APPLICABLE LOADS, INCLUSIVE BUT NOT LIMITED TO DEAD, LIVE AND WIND LOADS. CONTRACTOR SHALL CONSULT THESE DRAWINGS FOR ADDITIONAL STRUCTURAL NOTES AND SPECIFICATIONS, AND SHALL VERIFY ALL FIELD MATERIAL CONFORMANCE AND SITE CONDITIONS. ANY DISCREPANCIES OF DIMENSIONS, PRODUCT AVAILABILITY, MODIFICATIONS, OR GENERAL FIELD CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF WHETSTONE ENGINEERING AND TESTING IMMEDIATELY, AND PRIOR TO PROCEEDING WITH AFFECTED WORK. CONTRACTOR SHALL PROVIDE ENGINEER WITH TRUSS MANUFACTURERS DRAWINGS AND LAYOUT FOR REVIEW AND STRUCTURAL INTERFACE ASSESSMENT PRIOR TO START OF CONSTRUCTION. WHILE EVERY ATTEMPT HAS BEEN MADE IN THE PREPARATION OF THESE PLANS TO AVOID MISTAKES, THE DESIGNER CANNOT GUARANTEE AGAINST HUMAN ERROR. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND OTHER PROJECT DETAILS PRIOR TO CONSTRUCTION

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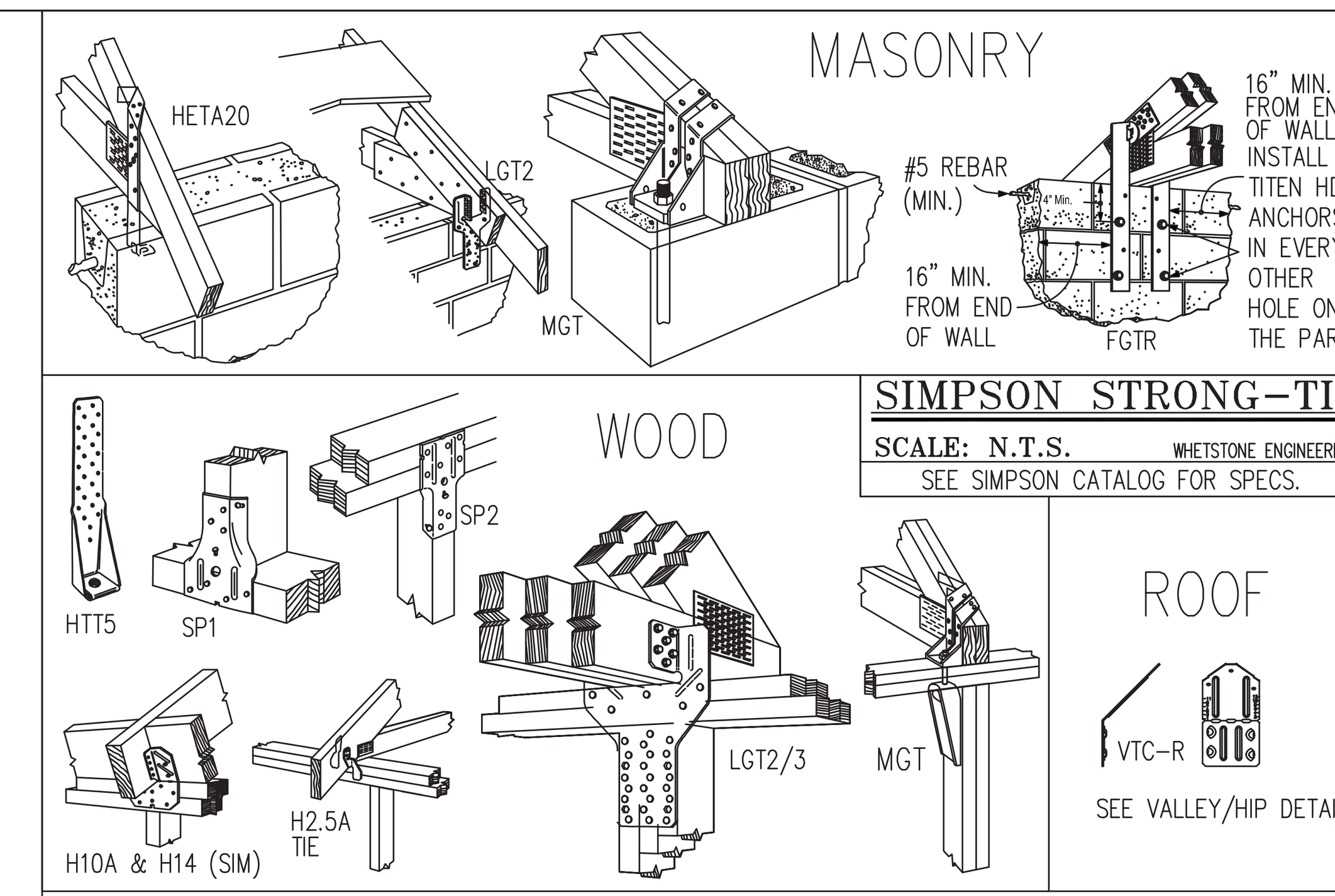


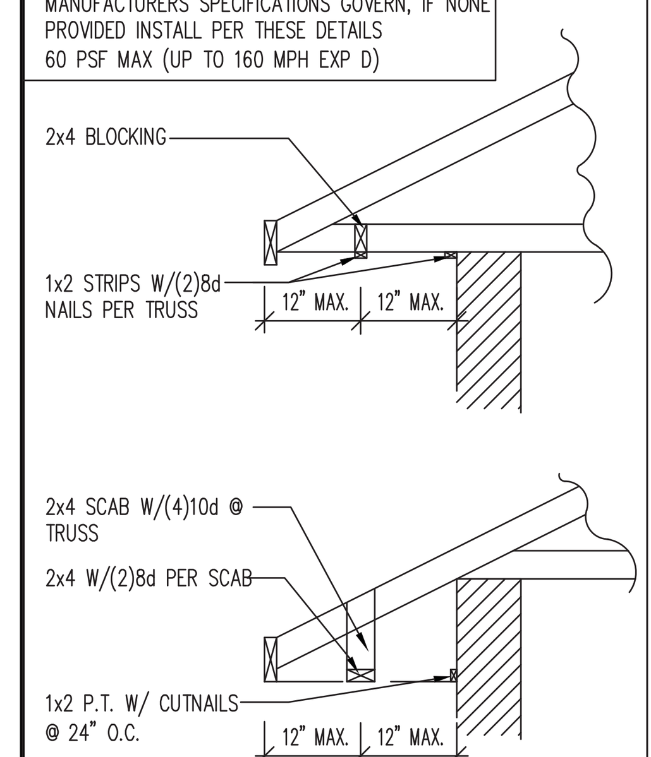
SIMPSON STRONG-TIE

SCALE: N.T.S. WHETSTONE ENGINEERING

SEE SIMPSON CATALOG FOR SPECS.

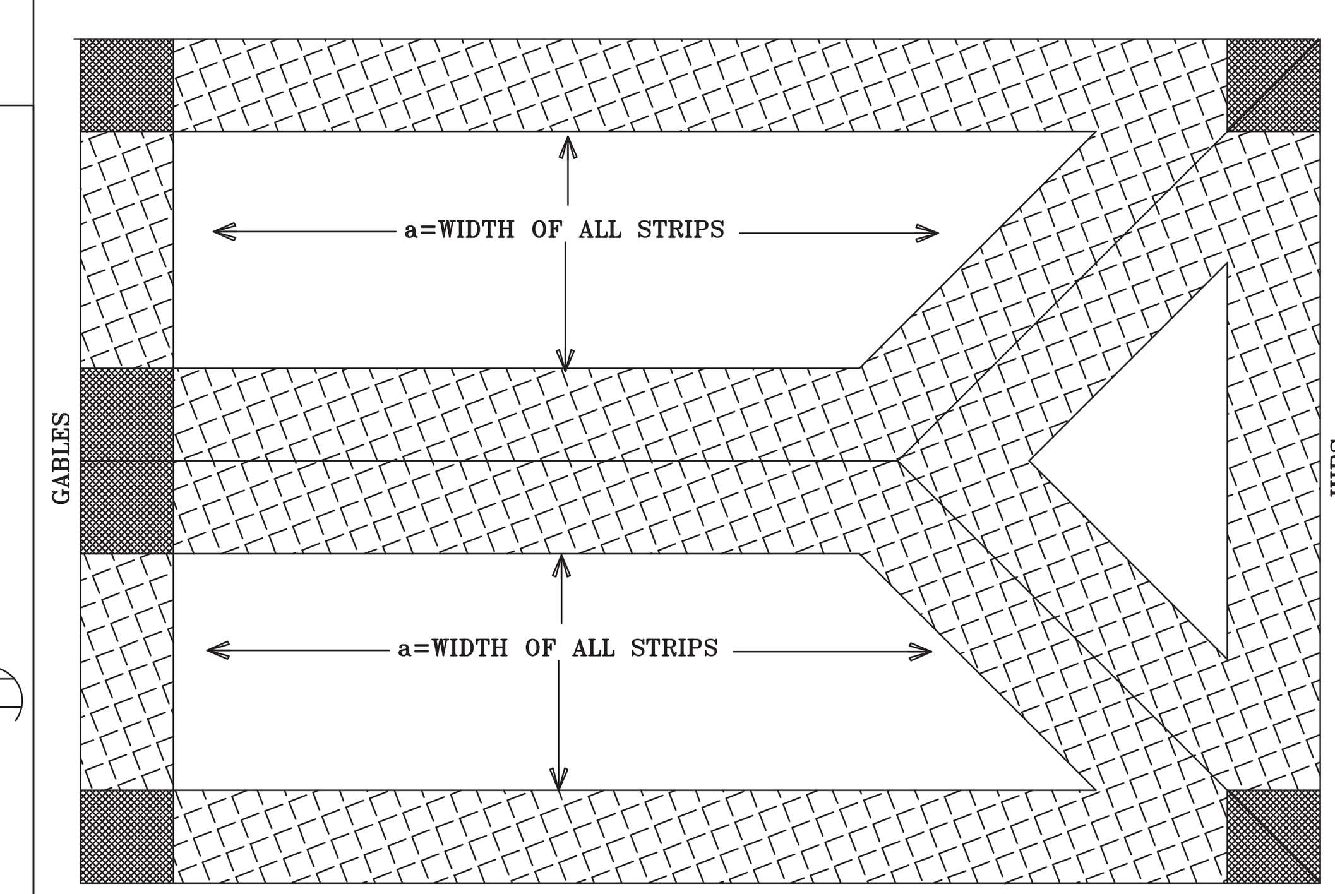
WHETSTONE ENGINEERING HAS CREATED THESE DETAILS FOR USE OF CONTRACTOR, ANY DETAIL THAT DOES NOT APPLY TO THIS SPECIFIC PROJECT SHALL BE DISREGARDED.

MANUFACTURERS SPECIFICATIONS GOVERN, IF NONE PROVIDED INSTALL PER THESE DETAILS
60 PSF MAX (UP TO 160 MPH EXP D)



SOFFIT NAILING STRIP DETAIL FOR OVERHANGS >12"

SCALE: N.T.S.

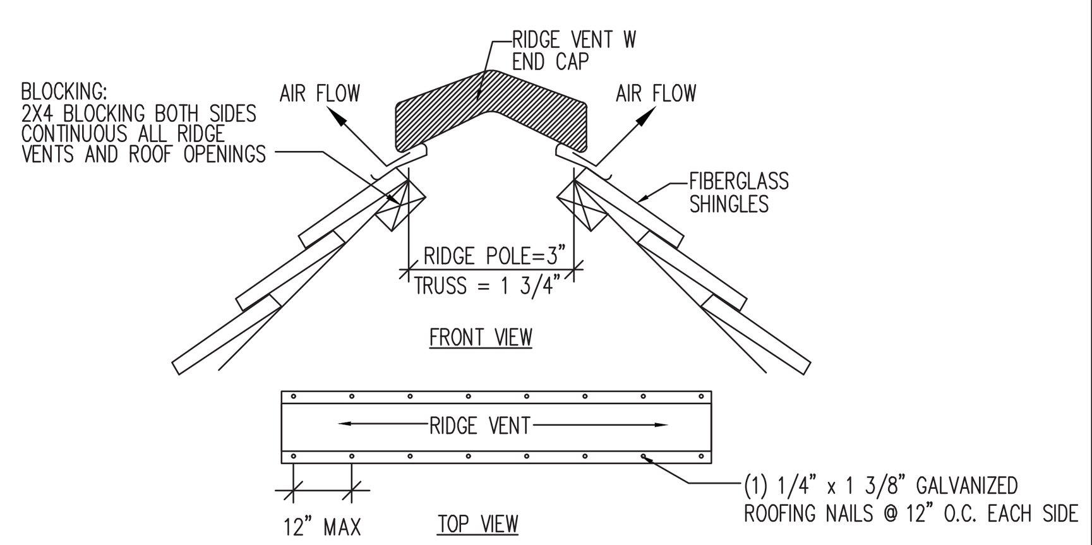


ZONE 1 ZONE 2 ZONE 3

a=10% OF THE LEAST HORIZONTAL DIMENSION OF OVERALL BUILDING SIZE, BUT NEVER LESS THAN 4'

N
1 F
2 P
3 F

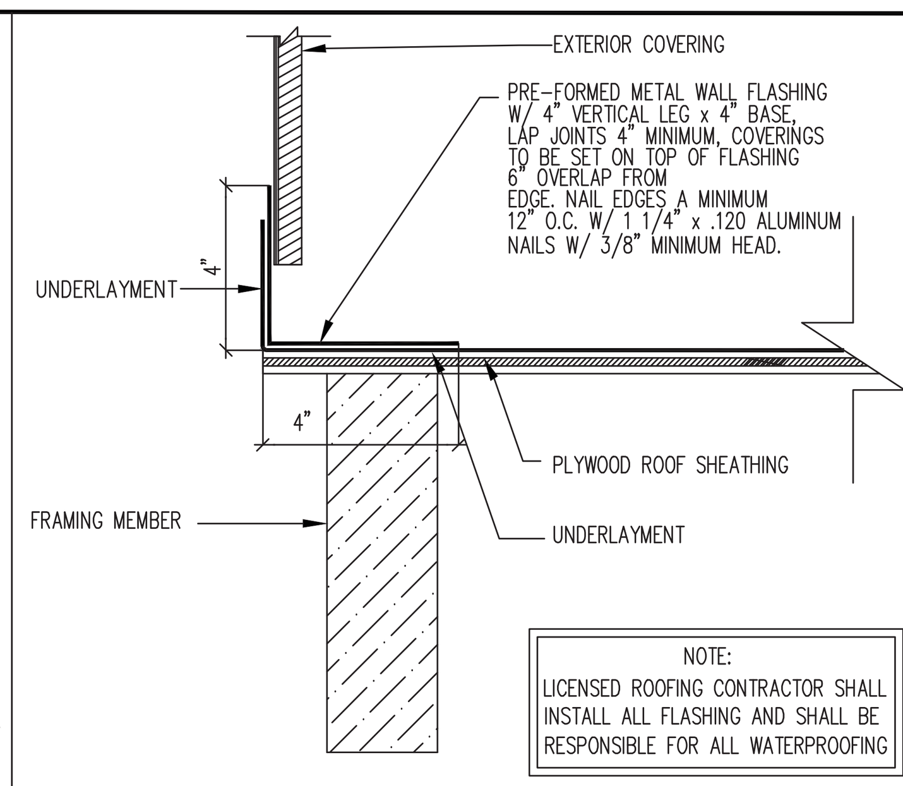
ROOF DETAILS



1. ON NEW ROOFS LEAVE OR CUT THE OPENING OF PROPER WIDTH (RIDGE POLE = 3", TRUSS = 1 3/4") IN THE SHEATHING. MAKE THE ENDS OF THE RIDGE SLOT 4" SHORTER THAN THE INSIDE WALL OF THE HOUSE. APPLY THE ROOF PAPER AND SHINGLES RIGHT UP TO THE EDGES OF THE RIDGE SLOT.
2. SHINGLES SHOULD BE UP TO THE END OF THE SLOT. DO NOT CAP THE UNSLOTTED PART OF THE RIDGE. INSTEAD LET THE TOP ROW OF SHINGLES LAY OVER THE PEAK TO GIVE ONLY ONE THICKNESS OF SHINGLES. LAY RIDGE VENT LENGTHS ALONG RIDGE SLOT AND MEASURE LAST LENGTH OF RIDGE VENT.
3. JOIN THE 10 FOOT RIDGE VENT SECTIONS WITH LAP JOINT OR CONNECTOR END PLUGS AND CUT THE LAST LENGTH TO FIT. INSERT CONNECTOR END PLUG ON EACH END. USING (1) PLUG ON EACH END. USING 1 1/4" x 1 3/8" GALVANIZED SMOOTH ROOFING NAILS, NAIL IN PLACE (IN ACCORDANCE WITH LOCAL BUILDING CODES) IN THE RIDGE VENT FLASHING KEEPING THE SECTIONS ALIGNED AND LOUVERED AREAS HORIZONTAL. MAXIMUM SPACING 12" O.C. EACH SIDE

RIDGE VENT (TYP. INSTALLATION)

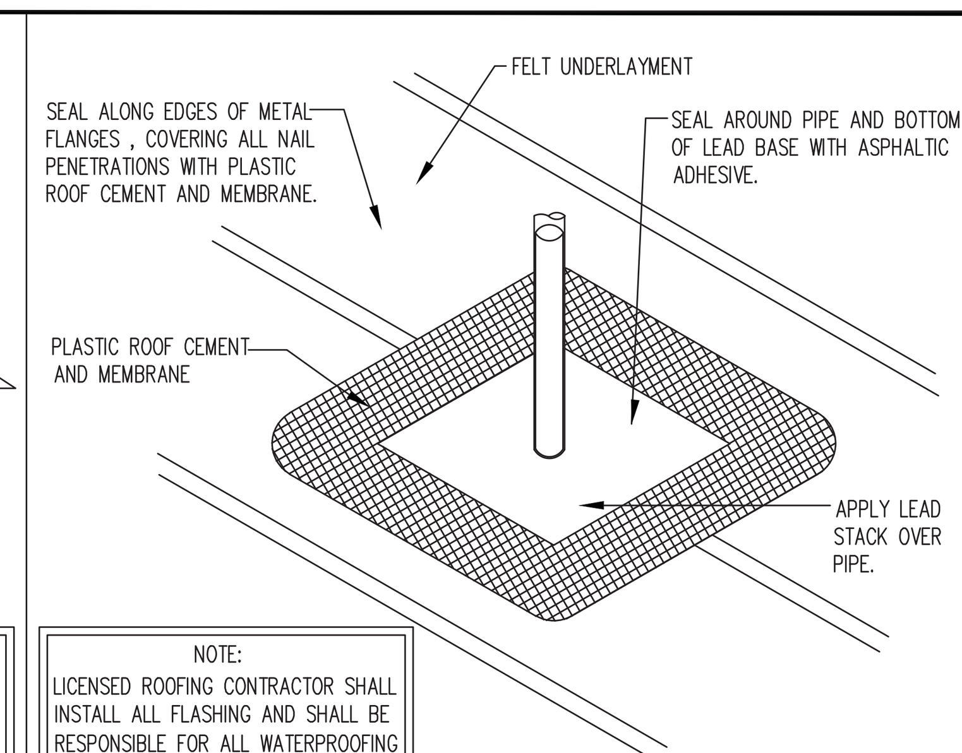
SCALE: N.T.S.



NOTE:
LICENSED ROOFING CONTRACTOR SHALL INSTALL ALL FLASHING AND SHALL BE RESPONSIBLE FOR ALL WATERPROOFING

FLASHING @ ROOF TO WALL ABUTMENT

SCALE: N.T.S. WHETSTONE ENGINEERING



NOTE:
LICENSED ROOFING CONTRACTOR SHALL INSTALL ALL FLASHING AND SHALL BE RESPONSIBLE FOR ALL WATERPROOFING

ROOF PENETRATION FLASHING

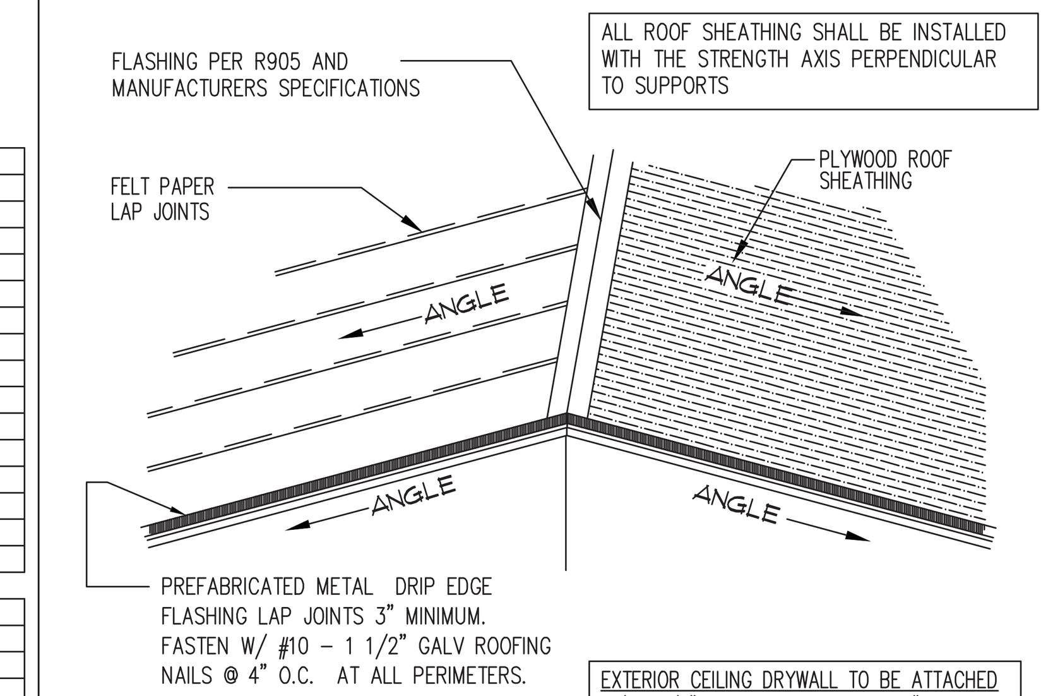
SCALE: N.T.S.

COMPONENT AND CLADDING LOADS

	150	150	150	160	160	160
	B	C	D	B	C	D
1ST STORY						
+ ALL	18	22	27	21	25	30
– 1	45	54	66	51	62	75
– 2	65	79	96	74	90	110
– 3	78	94	114	88	107	130
– 20H	72	87	106	82	99	13
– 30H	97	117	142	110	134	162
2ND STORY						
+ ALL	18	24	29	21	28	33
– 1	45	60	72	51	69	82
– 2	65	88	105	74	100	119
– 3	78	104	124	88	119	142
– 20H	72	97	115	82	110	131
– 30H	97	130	155	110	148	176

WALL/SOFFITS	150	150	150	160	160	160
ALL ZONE 5	B	C	D	B	C	D
1ST STORY						
+	25	30	36	28	34	41
–	33	40	48	37	45	55
2ND STORY						
+	25	33	39	28	37	44
–	33	44	52	37	50	59

ALL ROOF SHEATHING SHALL BE INSTALLED WITH THE STRENGTH AXIS PERPENDICULAR TO SUPPORTS



NOTE:
LICENSED ROOFING CONTRACTOR SHALL INSTALL ALL FLASHING AND SHALL BE RESPONSIBLE FOR ALL WATERPROOFING

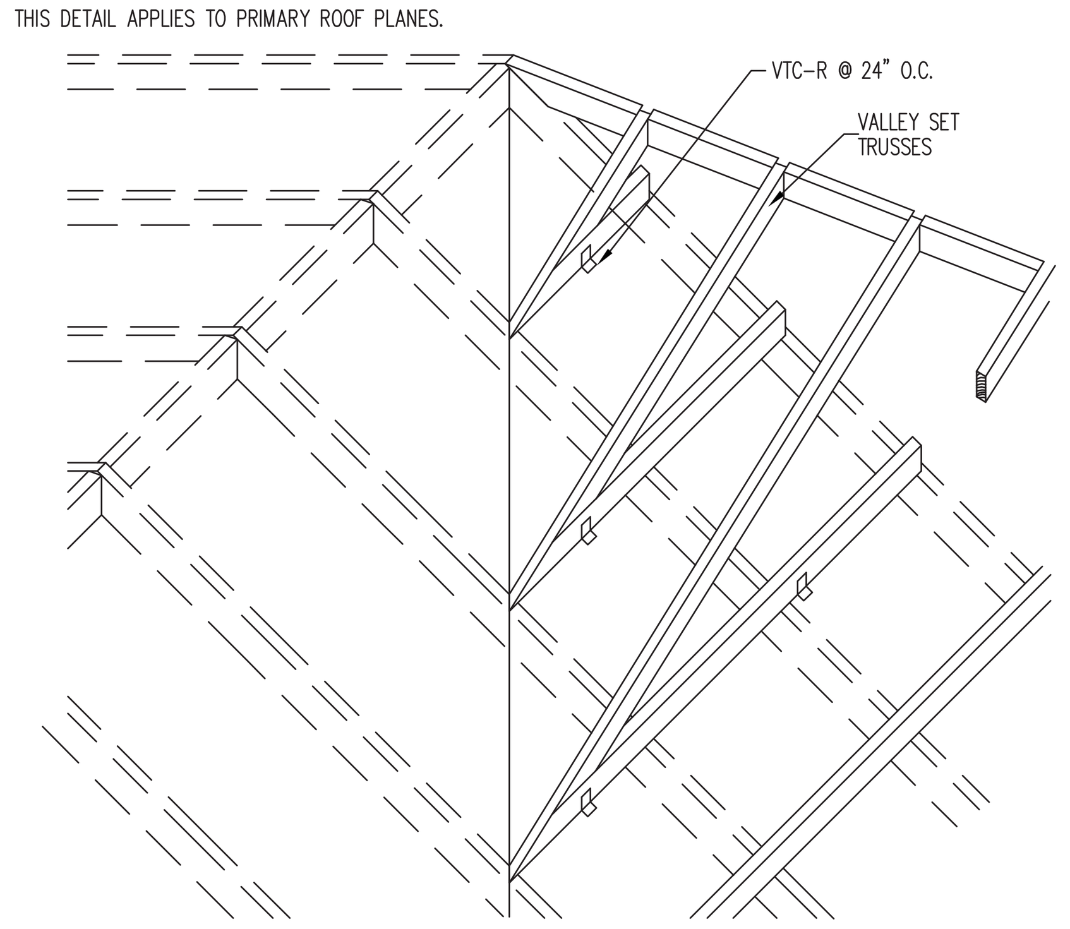
EXTERIOR CEILING DRYWALL TO BE ATTACHED W/ 1-1/4" DRYWALL SCREWS AT 7" O.C. ALL SEAMS SHALL BE BLOCKED AND SCREWED

VALLEY FLASHING

SCALE: N.T.S.

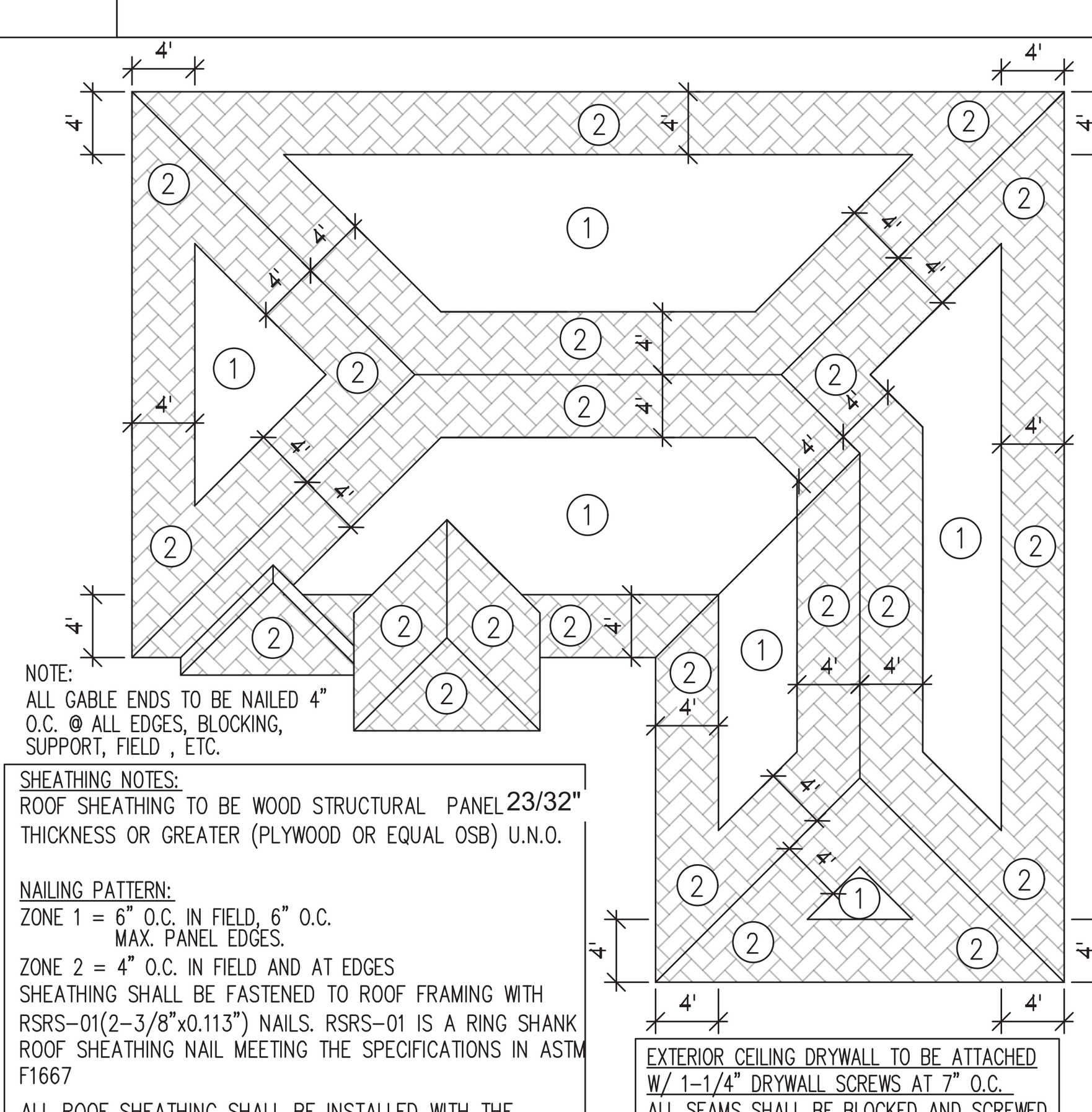
NOTE:
SHEATHING SHALL BE PROVIDED BETWEEN MAIN ROOF TRUSSES AND VALLEY SET TRUSSES.
PROVIDE 2x4 BLOCKING W/ (2) 10d TOENAILS EACH END, AND BOTH EDGES OF SHEATHING NAILED @ 6" O.C.

THIS DETAIL APPLIES TO PRIMARY ROOF PLANES.



VALLEY / HIP DETAIL

SCALE: N.T.S.



NOTE:
ALL GABLE ENDS TO BE NAILED 4" O.C. @ ALL EDGES, BLOCKING, SUPPORT, FIELD , ETC.

SHEATHING NOTES:
ROOF SHEATHING TO BE WOOD STRUCTURAL PANEL 23/32" THICKNESS OR GREATER (PLYWOOD OR EQUAL OSB) U.N.O.

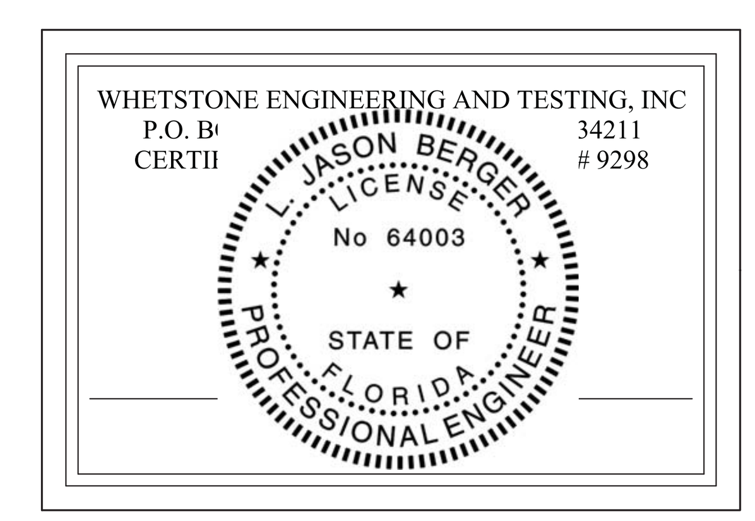
NAILING PATTERN:
ZONE 1 = 6" O.C. IN FIELD, 6" O.C. MAX. PANEL EDGES.
ZONE 2 = 4" O.C. IN FIELD AND AT EDGES
SHEATHING SHALL BE FASTENED TO ROOF FRAMING WITH RSRS-01(2-3/8"x0.113") NAILS. RSRS-01 IS A RING SHANK ROOF SHEATHING NAIL MEETING THE SPECIFICATIONS IN ASTM F1667

ALL ROOF SHEATHING SHALL BE INSTALLED WITH THE STRENGTH AXIS PERPENDICULAR TO SUPPORTS

EXTERIOR CEILING DRYWALL TO BE ATTACHED W/ 1-1/4" DRYWALL SCREWS AT 7" O.C. ALL SEAMS SHALL BE BLOCKED AND SCREWED

ROOF SHEATHING ATTACHMENT

SCALE: N.T.S.



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