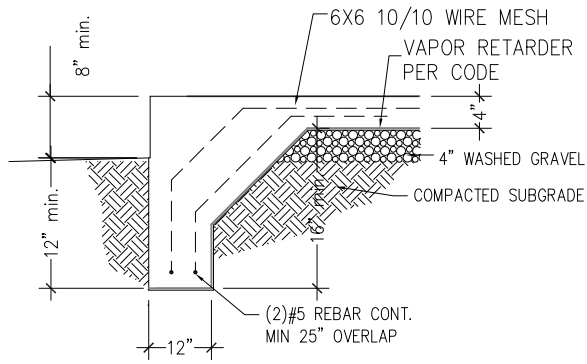
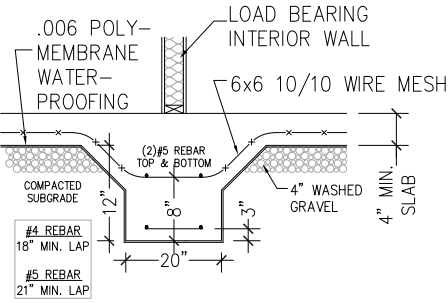


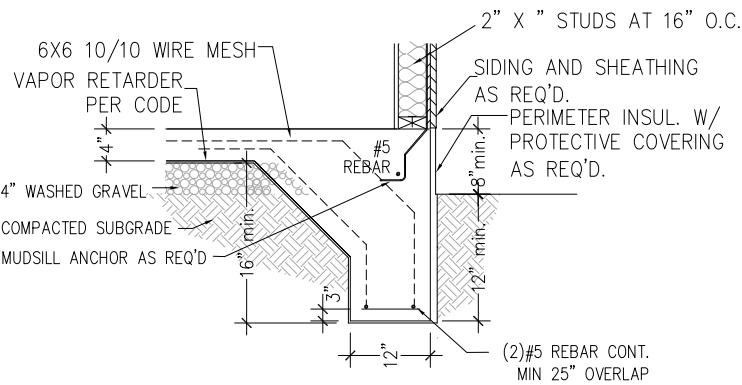


TURNED DOWN FOOTING
AT PORCH SLAB
NOT TO SCALE

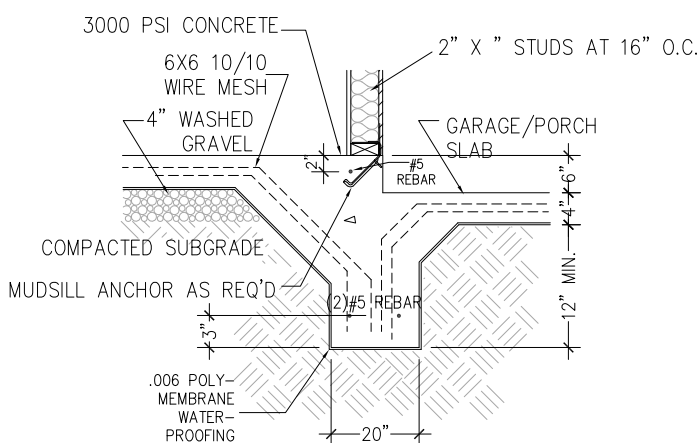
NOTE:
GRADE BEAMS SHALL EXTEND THROUGH
ALL LOOSE BACKFILL AND REST ON
UNDISTURBED SOIL OR SHALL BE
SUPPORTED BY POST HOLES BEARING ON
UNDISTURBED SOIL.



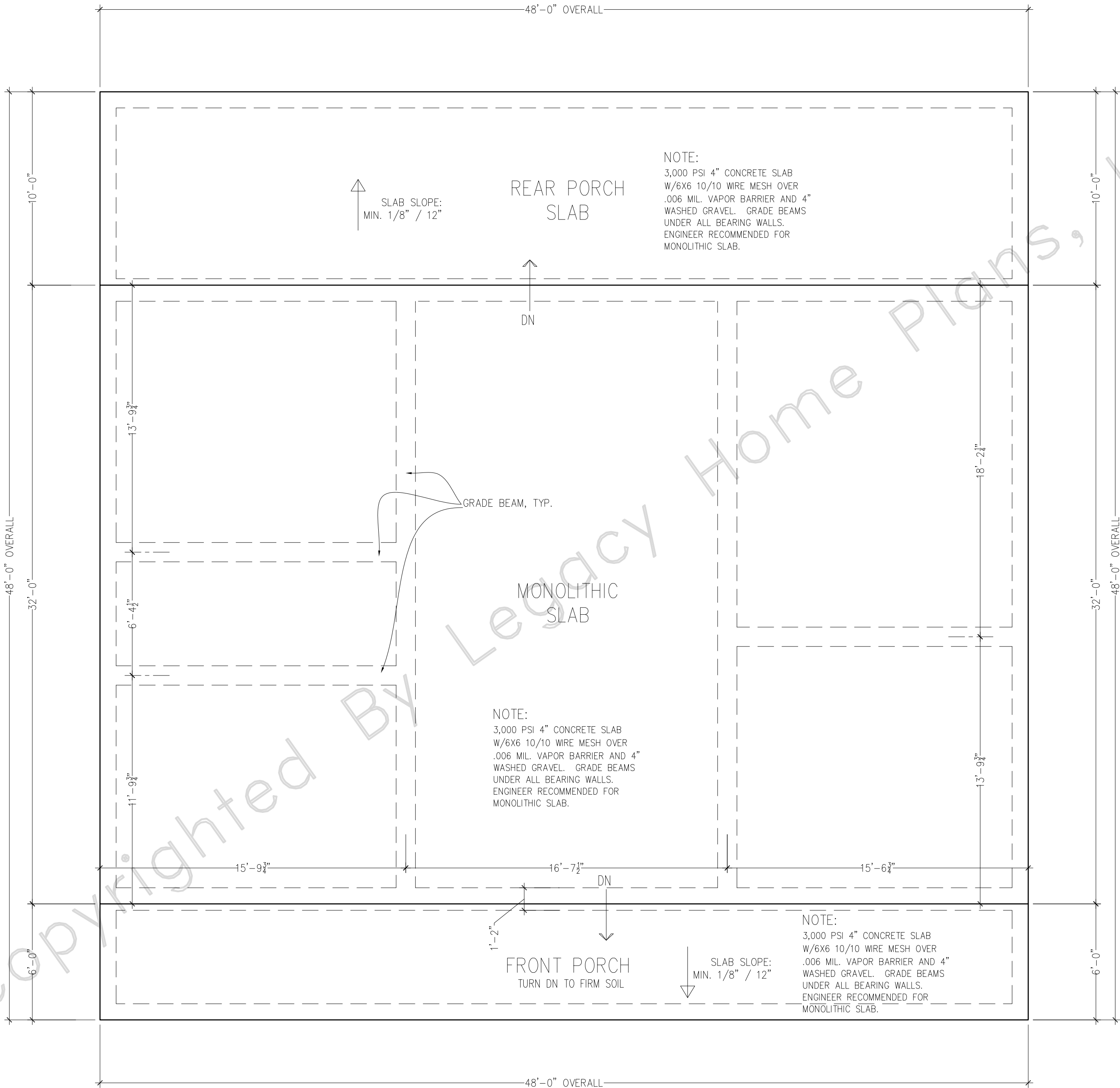
TYP GRADE
BEAM SECTION
NOT TO SCALE



SLAB w/WOOD SIDING
NOT TO SCALE



MAIN SLAB DOWN
TO PORCH/GARAGE
NOT TO SCALE



SLAB FOUNDATION
SCALE 1/4" = 1'-0"

FOUNDATION NOTES

FOUNDATION HAS BEEN DESIGNED
BASED ON THE ASSUMED BEARING
PRESSURE OF 1500 P.S.F. ALL
FOOTINGS MUST BEAR ON NATURAL
UNDISTURBED SOIL AND MUST EXTEND
A MINIMUM OF 13 INCHES BELOW
NATURAL GRADE.

THE SOIL BEARING CAPACITY SHALL BE
VERIFIED BY THE OWNER'S OR
CONTRACTOR'S SOIL ENGINEER.

ALL EARTH FILL SHALL BE GOOD SOIL
CAPABLE OF BEING THOROUGHLY
COMPACTED. BEFORE DEPOSITING FILL,
THE SITE SHALL BE COMPLETELY
CLEARED OF ALL VEGETATION, DEBRIS,
TRASH, RUBBLE OR OTHER UNSOUND
MATERIAL. FILL MATERIALS SHALL BE
DEPOSITED ONLY IN THIN LAYERS OF 4
TO 6 INCHES AND COMPACTED AT
OPTIMUM MOISTURE CONTENT. DAMP
NOT WET SAND MAY BE USED.

SLABS ON GRADE SHALL BE MIN. 4
INCHES IN THICKNESS, REINFORCED WITH
6X6 10-10 WIRE MESH WITH ONE LAYER
OF 6 MIL. VISQUEEN. LAP MESH ONE
MESH SPACE ON ALL SIDES.

REINFORCING BARS TO BE DEFORMED
BARS, GRADE 60.

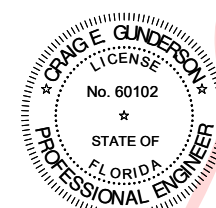
LAP ALL REINFORCING STEEL 24 BAR
DIAMETERS OR A MINIMUM OF 18
INCHES UNLESS NOTED OTHERWISE.

ALL REINFORCEMENT AND REINFORCING
ACCESSORIES ARE TO BE DETAILED,
FABRICATED AND PLACED IN
ACCORDANCE WITH THE LATEST A.C.I.
DETAILING MANUAL.

ALL CONCRETE SHALL DEVELOP A
MINIMUM COMPRESSIVE STRENGTH OF
3000 P.S.I. IN 28 DAYS.

ALL CONCRETE, FORMS, REBAR AND
WELDED WIRE FABRIC SHALL COMPLY
WITH LOCAL CODES.

ALL STRUCTURAL INFORMATION IS
SHOWN FOR REFERENCE ONLY. IT IS
RECOMMENDED THAT A REGISTERED
ENGINEER REVIEW ACTUAL SITE
CONDITIONS AND DESIGN ALL
STRUCTURAL ELEMENTS ACCORDINGLY.



Digitally signed
by Craig E
Gunderson
Date:
2022.10.19
13:13:11 -04'00'

I HEREBY CERTIFY AS THE BUILDING DESIGN ENGINEER OF RECORD, THAT THE BUILDING
DESIGN AS SHOWN ON THESE PLANS (STRUCTURAL COMPLIANCE ONLY) AND AS
ACCOMPANIED BY DESIGN AND SUPPORT DOCUMENTS, CONFORMS TO THE 2020 7th
EDITION FLORIDA BUILDING CODE. THIS CERTIFICATION DOES NOT INCLUDE ROOF TRUSS
COMPONENTS OF WHICH THE TRUSS DESIGN ENGINEER IS THE ENGINEER OF RECORD.
THESE PLANS HAVE BEEN PREPARED IN COMPLIANCE WITH THE 2020 7th EDITION
FLORIDA BUILDING CODE WITH SUPPLEMENTS.

Craig E. Gunderson, P.E. #060102 Date:



FLORIDA ENGINEERING, LLC
4161 TAMAMI TRAIL, UNIT 101
PORT CHARLOTTE, FL 33962
PH: (813) 381-0860
FAX: (813) 978-5196

FILE	DATE	SCALE	FOR
1A	9-21-21	As Shown	Hamilton Creek
SHEET #	DRAWN BY	PLAN NAME	PLAN NO.
1A	OMA/SMV	Hamilton Creek	1536-768

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DAMAGE OR LOSS OF ANY KIND. LEGACY HOME PLANS, LLC IS
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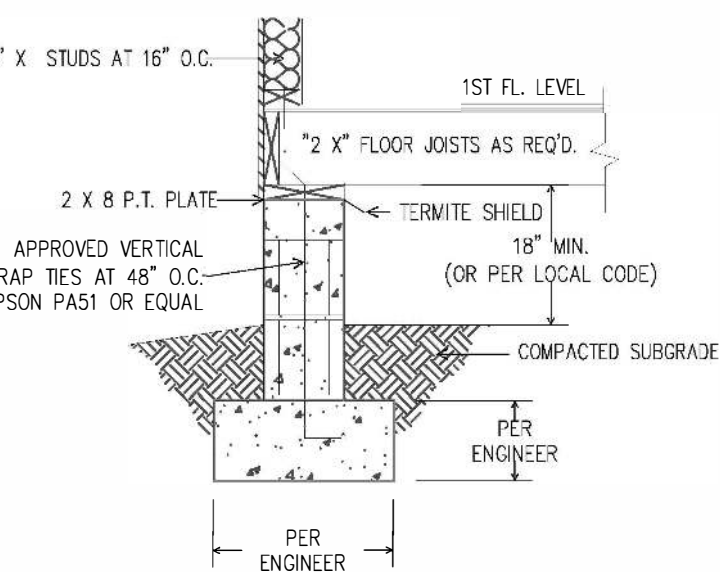
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www.LegacyHomePlans.com BARTLETT, TENNESSEE (801)754-8874

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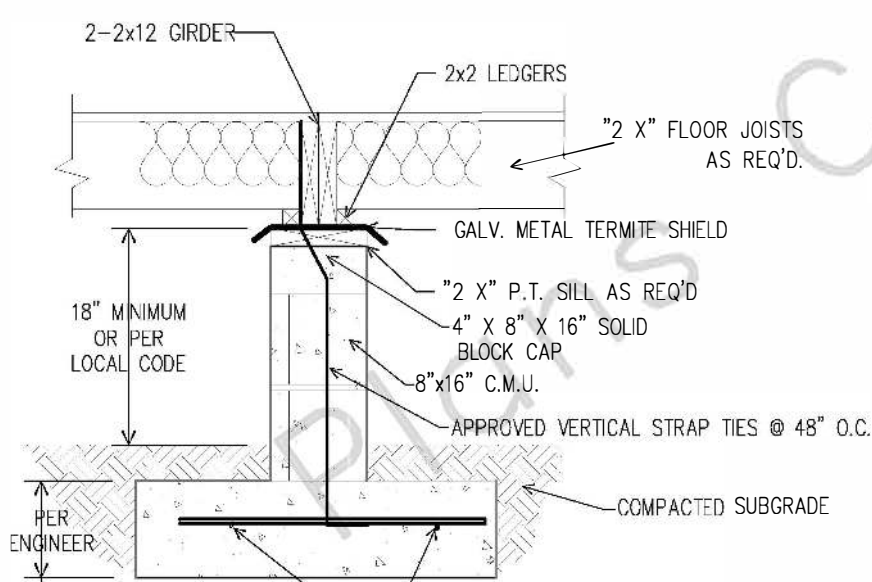
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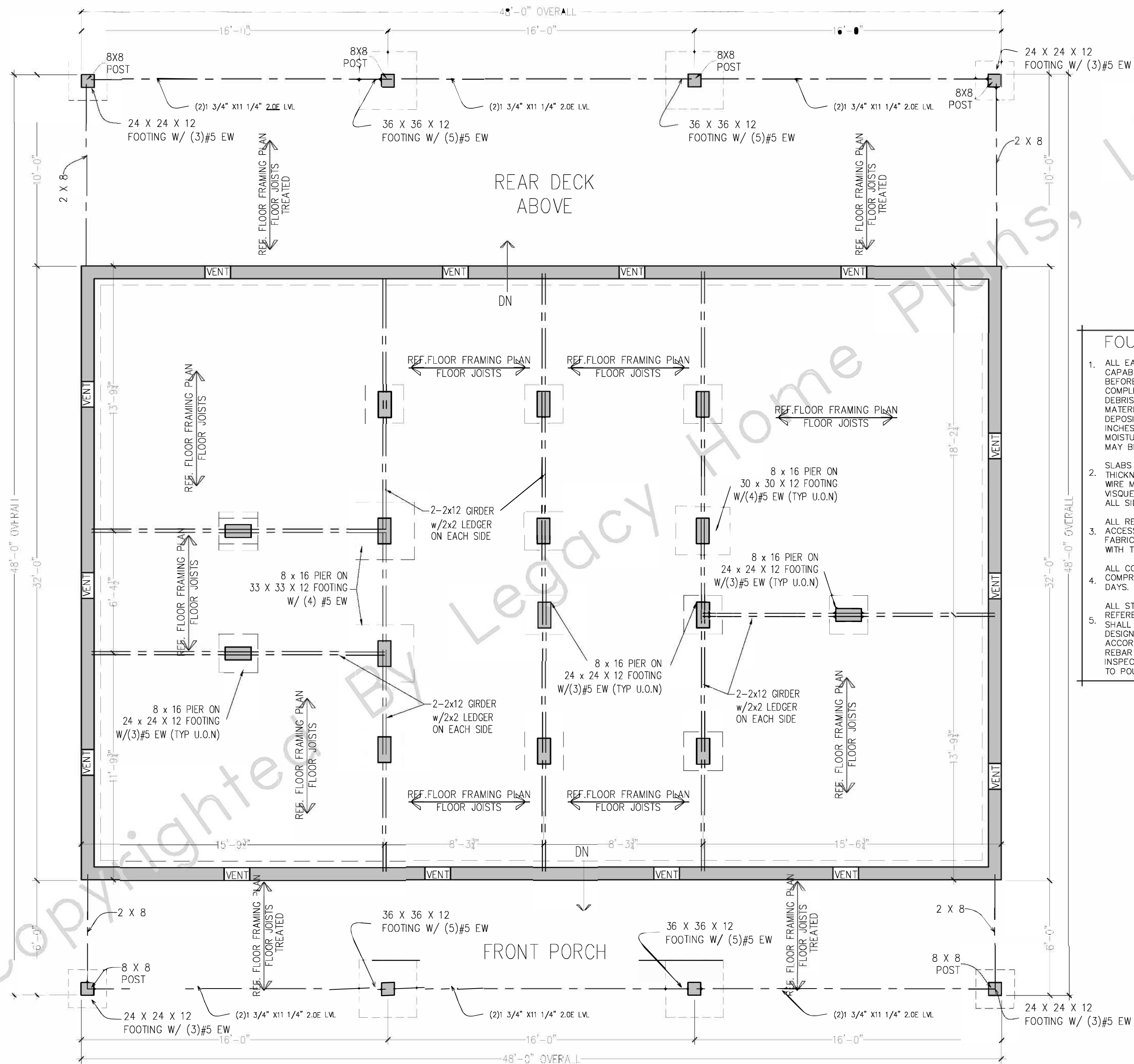
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FRAMING DETAIL W/ SIDING
NOT TO SCALE



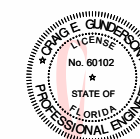
PIER DETAIL
NOT TO SCALE



CRAWLSPACE FOUNDATION
SCALE 1/4" = 1'-0"

FOUNDATION NOTES

- ALL EARTH FILL SHALL BE GOOD SOIL CAPABLE OF BEING THOROUGHLY COMPACTED. BEFORE DEPOSITING FILL, THE SITE SHALL BE COMPLETELY CLEARED OF ALL VEGETATION, DEBRIS, TRASH, RUBBLE OR OTHER UNSOUND MATERIAL. FILL MATERIALS SHALL BE DEPOSITED ONLY IN THIN LAYERS OF 4 TO 6 INCHES AND COMPACTED AT OPTIMUM MOISTURE CONTENT...DAMP NOT WET. SAND MAY BE USED.
- SLABS ON GRADE SHALL BE 4 INCHES IN THICKNESS, REINFORCED WITH 6X6 10-10 WIRE MESH WITH ONE LAYER OF 6 MIL VISQUEEN. LAP MESH ONE MESH SPACE ON ALL SIDES.
- ALL REINFORCEMENT AND REINFORCING ACCESSORIES ARE TO BE DETAILED, FABRICATED AND PLACED IN ACCORDANCE WITH THE LATEST A.C.I. DETAILING MANUAL.
- ALL CONCRETE SHALL DEVELOP A MINIMUM COMPRESSIVE STRENGTH OF 3500 P.S.I. IN 28 DAYS.
- ALL STRUCTURAL INFORMATION IS SHOWN FOR REFERENCE ONLY. A REGISTERED ENGINEER SHALL REVIEW ACTUAL SITE CONDITIONS AND DESIGN ALL STRUCTURAL ELEMENTS ACCORDINGLY. ALL CONCRETE, FORMS, REBAR AND WELDED WIRE FABRIC SHALL BE INSPECTED BY A REGISTERED ENGINEER PRIOR TO POURING CONCRETE.



Digitally signed by
Craig E Gunderson
Date: 2022.10.19
13:13:22 -04'00'

I HEREBY CERTIFY AS THE BUILDING DESIGN ENGINEER OF RECORD, THAT THE BUILDING DESIGN AS SHOWN ON THESE PLANS (STRUCTURAL COMPLIANCE ONLY) AND AS ACCOMPANIED BY DESIGN AND SUPPORT DOCUMENTS, CONFORMS TO THE 2020 7th EDITION FLORIDA BUILDING CODE. THIS CERTIFICATION DOES NOT INCLUDE ROOF TRUSS COMPONENTS OF WHICH THE TRUSS DESIGN ENGINEER IS THE ENGINEER OF RECORD. THESE PLANS HAVE BEEN PREPARED IN COMPLIANCE WITH THE 2020 7th EDITION FLORIDA BUILDING CODE WITH SUPPLEMENTS.

Craig E. Gunderson, P.E. #060102

Date:

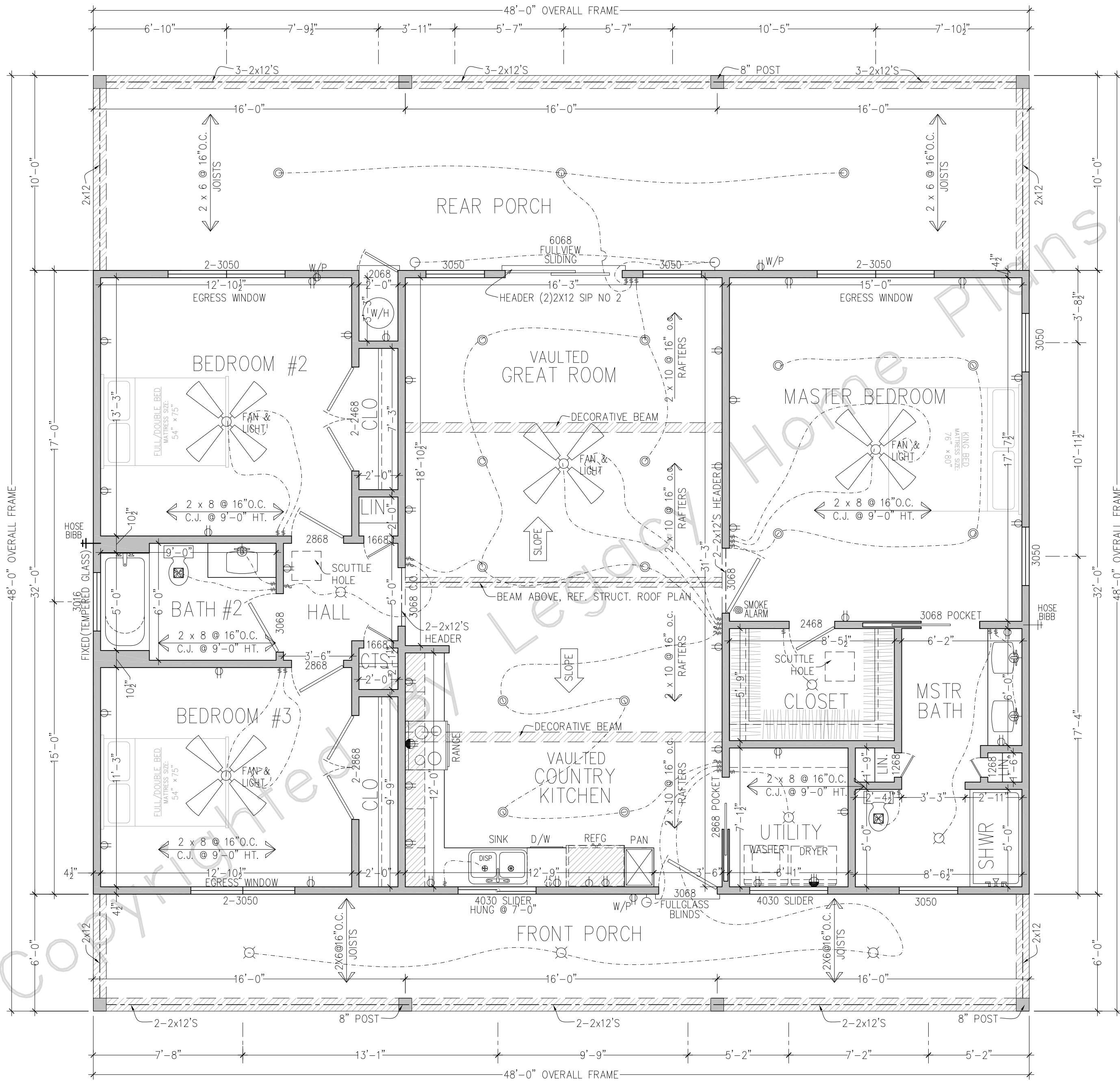


FILE	DATE	SCALE	DRAWN BY	PLAN NO.
	9-21-21	As Shown	QMA/SMV	
Hamilton Creek				10

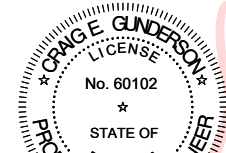
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DESIGN DATA			
FBC - 2020 7th EDITION (130- EXPOSURE C)			
WINDBORNE DEBRIS AREA	YES		
V(UH) ULTIMATE DESIGN WIND SPEED	130 MPH		
V(S30) NOMINAL DESIGN WIND SPEED	101 MPH		
RISK CATEGORY	II		
SURFACE ROUGHNESS	C		
DESIGN	ENCLOSED		
INTERNAL PRESSURE COEFFICIENT (+/-)	0.18		
HEIGHT & EXPOSURE COEFFICIENT ADJUSTMENT FACTOR = 1.4			
COMPONENTS AND CLADDING		DESIGN PRESSURE PSF	
ROOF SLOPE (0-7 DEGREES)	0/12 - 1.5/12		
ZONE 1, 11r	14.0	-40.7	
ZONE 2	14.0	-62.3	
ZONE 3	14.0	-73.1	
WALL			
ZONE 4	25.5	-27.8	
ZONE 5	25.5	-34.2	
GARAGE DOOR:			
9x7	22.6	-25.5	
16x7	21.7	-24.1	
SOFFIT PRESSURES TO BE SAME AS WALL PRESSURES			
h = 30 FT g = 4 FT			
LOADING			
LIVE LOAD (FLOOR)	40	PSF	
LIVE LOAD (ROOF)	20	PSF	
SOIL BEARING CAPACITY	2,000 PSF ASSUMED		



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



Craig E. Gunderson, State of Florida, Professional Engineer, License No. 60102. This seal has been digitally signed and sealed by Craig E. Gunderson, P.E. on the date adjacent to the seal. Printed copies of this document are not considered signed and sealed until the signature must be verified on electronic copies.

Digitally signed
by Craig E
Gunderson
Date:
2022.10.19
13:13:34 -04'00'

I HEREBY CERTIFY AS THE BUILDING DESIGN ENGINEER OF RECORD, THAT THE BUILDING DESIGN AS SHOWN ON THESE PLANS (STRUCTURAL COMPLIANCE ONLY) AND AS ACCOMPANIED BY DESIGN AND SUPPORT DOCUMENTS, CONFORMS TO THE 2020 7th EDITION FLORIDA BUILDING CODE. THIS CERTIFICATION DOES NOT INCLUDE ROOF TRUSS COMPONENTS OF WHICH THE TRUSS DESIGN ENGINEER IS THE ENGINEER OF RECORD. THESE PLANS HAVE BEEN PREPARED IN COMPLIANCE WITH THE 2020 7th EDITION FLORIDA BUILDING CODE WITH SUPPLEMENTS.

Craig E. Gunderson, P.E. #60102

Date:



FLORIDA ENGINEERING, LLC
4161 TAMAMI TRAIL, UNIT 101
PORT CHARLOTTE, FL 33952
PH: (841) 391-5980
FAX: (841) 979-8196

GENERAL NOTES

- IT IS NOT THE INTENT OF THESE DOCUMENTS TO FULLY DETAIL ALL CONDITIONS. IT IS THE CONTRACTORS RESPONSIBILITY TO PERFORM ALL WORK WITHIN STANDARD CONSTRUCTION PRACTICES THAT ENSURES PROPER STRUCTURAL DETAILING AND SIZING, WEATHERPROOF, DETAILING, AND QUALITY WORKMANSHIP. IT IS THE CONTRACTORS RESPONSIBILITY TO ENGAGE THE SERVICES OF QUALIFIED STRUCTURAL ENGINEERS TO REVIEW ALL NON-TYPICAL FOUNDATION OR FRAMING CONDITIONS. IT IS THE CONTRACTORS RESPONSIBILITY TO ENSURE THAT ALL WORK AND CONSTRUCTION SHALL MEET OR EXCEEDS ALL APPLICABLE CODES.
- THIS PLAN HAS BEEN DESIGNED AS PER THE STANDARD BUILDING CODE. IT MUST BE CONSTRUCTED TO MEET THE MINIMUM SEISMIC REQUIREMENTS AS PER THE CODES DEPARTMENT WITH JURISDICTION. ALL JOIST AND RAFTERS HAVE BEEN SIZED BASED ON THE SOUTHERN PINE SPAN TABLES PROVIDED BY THE SOUTHERN PINE COUNCIL USING THE 2015 S.P.B. STANDARD GRADING RULES FOR NO. 2 VISUALLY GRADED. SEE SIZING TABLE.
- DIMENSIONS ARE FROM FACE OF SHEETROCK TO FACE OF SHEETROCK (4.5" OR 6.5"). BRICK VENEER SHOWN 5 INCHES FROM SHEATHING. WINDOW HEADER HEIGHT: 6 FEET-8 INCHES UNLESS OTHERWISE NOTED. ALL ANGLE WALLS ARE 45 DEGREES U.O.N. OR DIMENSIONED. ALL STUDS TO BE AT 16 INCHES ON CENTER U.O.N.
- PROVIDE DOUBLE JOIST UNDER ALL PARALLEL WALLS. PROVIDE SOLID BRIDGING ON ALL FLOOR JOIST SPANS OVER 10 FEET AND AT INTERVALS NOT TO EXCEED 8 FEET. PROVIDE 2X4 STRONGBACKS AT 5 FEET ON CENTER WHEN JOIST OR PLYWOOD DECKING DOES NOT SPAN AND TIE RAFTER BEARING PLATES. HALF INCH PLYWOOD SUBFLOOR MAY BE SUBSTITUTED. PROVIDE FULL SOLID STUD BEARING UNDER ALL HEADERS AND BEAMS TO SOLID FOUNDATION BELOW.
- ALL MANUFACTURED PRODUCTS, SYSTEMS OR APPLICATIONS SHALL BE INSTALLED AS PER MANUFACTURERS SPECIFICATION. IT IS THE CONTRACTORS RESPONSIBILITY TO ENSURE THAT ALL ITEMS AND CONSTRUCTION MEET OR EXCEED ALL APPLICABLE CODES.
- H.V.A.C. SUBCONTRACTOR SHALL COORDINATE COMPLETE SYSTEM REQUIREMENTS WITH SUPPLIER AND PROVIDE EQUIPMENT LAYOUT THAT MEETS LOCAL CLIMATE CONDITIONS AND BUILDING CODES.
- THE ELECTRICAL EQUIPMENT SHOWN REPRESENTS CONCEPT ONLY AND THE SUBCONTRACTOR IS RESPONSIBLE FOR COORDINATING OWNERS INTENT WITH SAFETY REQUIREMENTS AND COMPLYING WITH ALL APPLICABLE CODES.
- ALL WOOD FRAMING IN CONTACT WITH CONCRETE SHALL BE PRESSURE TREATED. USE TREATED LUMBER AT ALL EXTERIOR PORCH DECK LOCATIONS.
- TO MINIMIZE EXCESSIVE MOISTURE AND MOLD CONDITIONS, PROVIDE AN APPROVED VAPOR BARRIER UNDER FOOTINGS, SLABS, AND FLOOR JOISTS AT GROUND LEVEL. USE AN EXTERIOR SHEATHING WITH A SUFFICIENT PERM RATING ON ALL OUTSIDE WALLS. PROPERLY DESIGN AND SIZE HVAC SYSTEM AND INCLUDE A 10% FRESH AIR INTAKE.
- ALL STANDARD, MINIMUM CODE CONNECTION AND FASTENING PRACTICES ARE TO BE ADHERED TO BY QUALIFIED FOUNDATION, FRAMING, DRYWALL, TRIM AND MASONRY CONTRACTORS.

PINE SIZING TABLE

	LIVE LOAD	DEAD LOAD	DEFL.	USE
FLOOR JOIST	30 psf	10 psf	360	SLEEPING ROOMS, ATTIC FLOORS
CEILING JOIST	40 psf	10 psf	360	ALL ROOMS EXCEPT SLEEPING ROOMS
CEILING JOIST	240	10 psf	240	DRYWALL CEILING, NO ATTIC STORAGE
CEILING JOIST	240	10 psf	240	DRYWALL CEILING, LIMITED ATTIC STORAGE
CEILING JOIST	240	10 psf	240	MEDIUM ROOFING, DRYWALL CEILING
CEILING JOIST	240	10 psf	180	MEDIUM ROOFING, NO FINISHED CEILING

10PSF GROUND SNOW LOAD
USED TO CALCULATE ROOF
STRUCTURE FOR THIS PLAN

ALL WINDOWS
HUNG @ 6'-8" HT

9'-0" CEILINGS DN
UNLESS NOTED
OTHERWISE

SQUARE FOOTAGE
1536 TOTAL HEATED

288 FRONT PORCH

480 REAR PORCH

768 TOTAL UNHEATED

2304 TOTAL SQUARE FOOTAGE

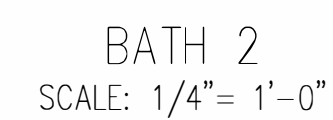
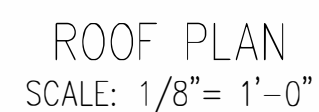
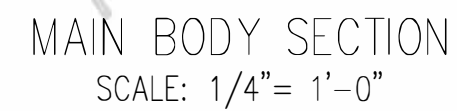
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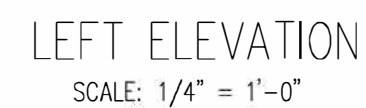
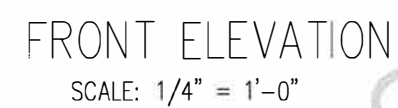
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FILE	DATE	SCALE	FOR	PLAN NAME	PLAN NO.
FILE	9-21-21	As Shown	FOR	Hamilton Creek	1536-768
SHEET #	OWA/SMW				
					2



Craig E. Gunderson, P.E. #060102

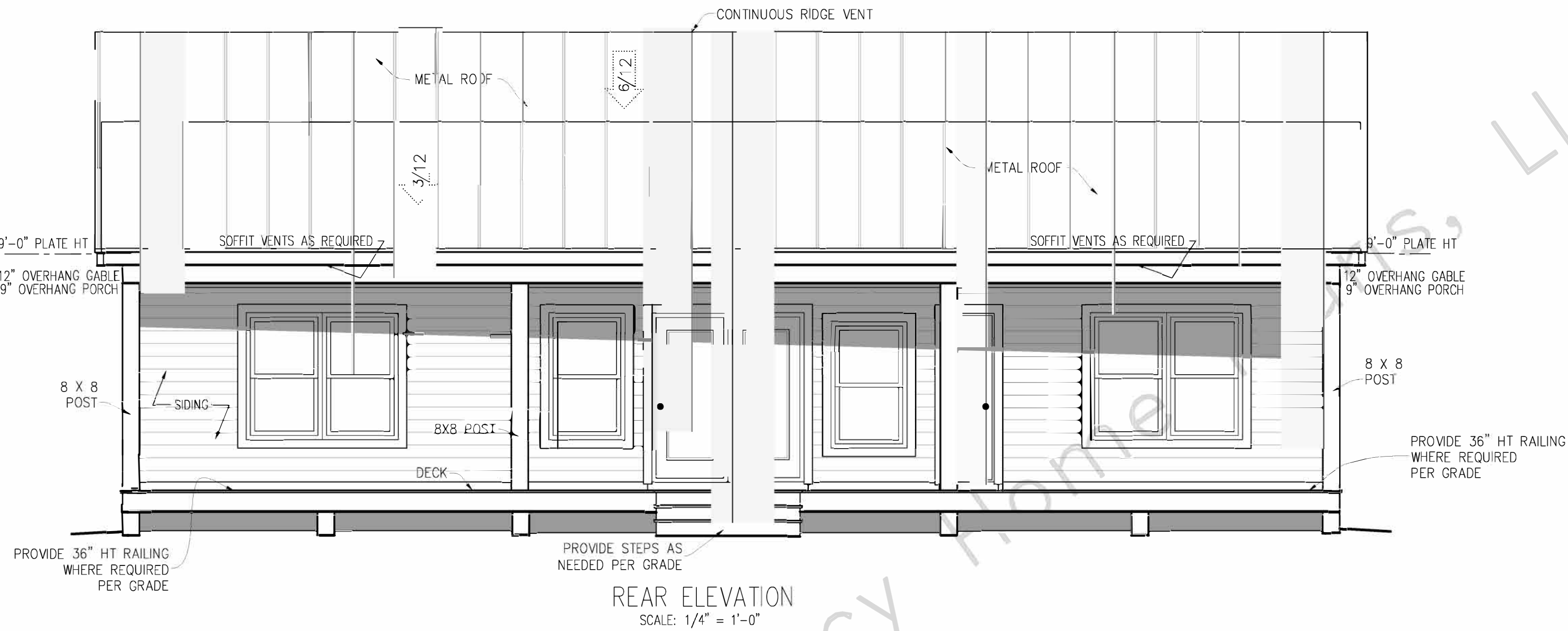




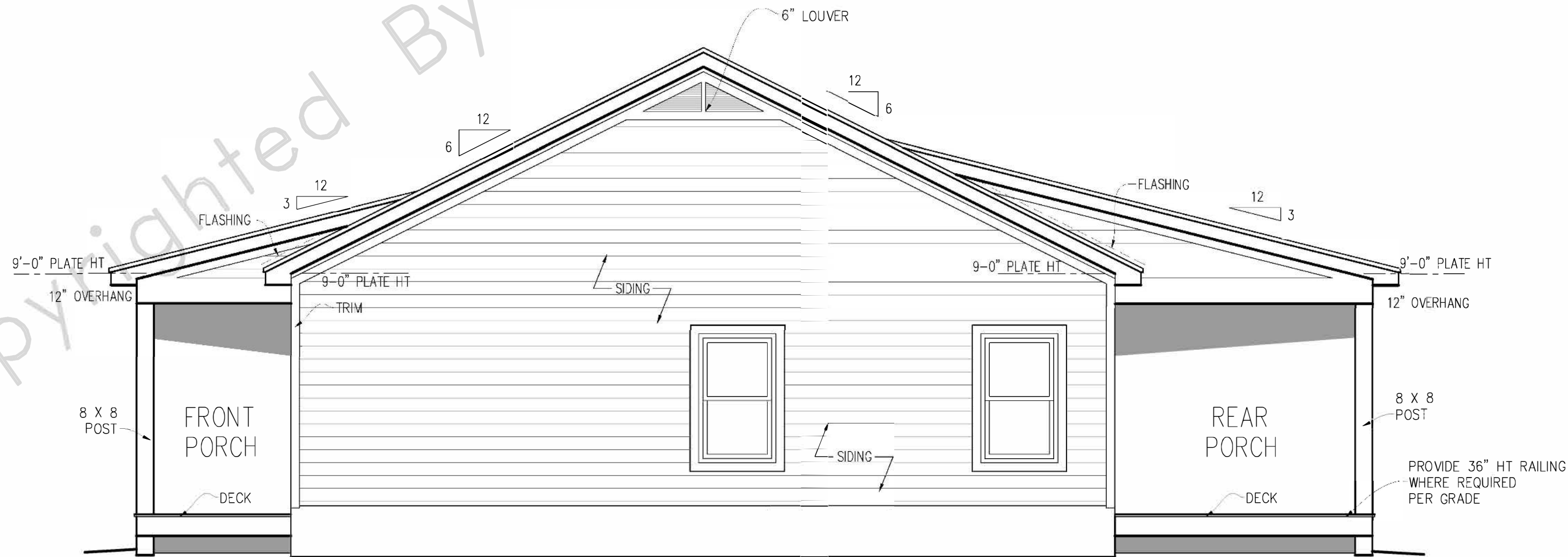
Digitally signed
by Craig E
Gunderson
Date:
2022.10.19
13:14:09 -04'00'



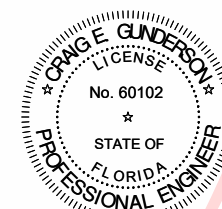
FLORIDA ENGINEERING, LLC
 4161 TAMiami TRAIL, UNIT 101
 PORT CHARLOTTE, FL. 33952
 PH: (941) 391-5380
 FAX: (941) 979-8196



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



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



Digitally signed
by Craig E
Gunderson
Date:
2022.10.19
13:14:19 -04'00'

I HEREBY CERTIFY AS THE BUILDING DESIGN ENGINEER OF RECORD, THAT THE BUILDING DESIGN AS SHOWN ON THESE PLANS (STRUCTURAL COMPLIANCE ONLY) AND AS ACCOMPANIED BY DESIGN AND SUPPORT DOCUMENTS, CONFORMS TO THE 2020 7th EDITION FLORIDA BUILDING CODE. THIS CERTIFICATION DOES NOT INCLUDE ROOF TRUSS COMPONENTS OF WHICH THE TRUSS DESIGN ENGINEER IS THE ENGINEER OF RECORD. THESE PLANS HAVE BEEN PREPARED IN COMPLIANCE WITH THE 2020 7th EDITION FLORIDA BUILDING CODE WITH SUPPLEMENTS.

Craig E. Gunderson, P.E. #60102

Date:



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FOR	SCALE	DATE	FILE
Hamilton Creek	As Shown	9-21-21	
PLAN NAME	DRAWN BY	OWA/SMV	SHEET #
1536-768			5
PLAN NO.			

GENERAL NOTES:

1. THE CONTRACTOR/OWNER IS TO VERIFY ALL SITE CONDITIONS, PROPERTY DIMENSIONS, AND PRODUCT AVAILABILITY, OPENINGS FOR WINDOWS AND DOORS AND ATTACHMENT REQUIREMENTS, DIMENSIONS OF PRODUCTS, INCLUDING APPLIANCES ARE THE RESPONSIBILITY OF THE CONTRACTOR/OWNER.
2. ALL WORK IS TO BE PERFORMED IN ACCORDANCE WITH THE 2020 FLORIDA BUILDING CODE SECTION 1609 w/SUPPLEMENTS, AND ASCET-16
3. ENGINEERING DESIGNS PROVIDED IN THESE DETAIL SPECIFICATIONS REPRESENT THE MINIMUM DESIGN CRITERIA FOR CONSTRUCTION TO THE CODES IDENTIFIED ABOVE
4. ANY PRODUCT OR MATERIAL SUBSTITUTION IS PERMITTED AS LONG AS THE SUBSTITUTION IS EQUAL TO OR GREATER THAN THE ORIGINAL SPECIFIED PRODUCT ALL TESTING DATA OR PRODUCT VERIFICATION IS THE RESPONSIBILITY OF THE CONTRACTOR THE ENGINEER HAS NOT PROVIDED REVIEW OF SUCH MATERIAL UNLESS OTHERWISE SPECIFIED
5. PRIOR TO ANY CONSTRUCTION, THE CONTRACTOR IS TO VERIFY THE EXISTING SITE CONDITIONS PROVIDE A MINIMUM SOIL BEARING CAPACITY OF 2500 PSF. NO GEOTECHNICAL ENGINEINGS HAS BEEN PROVIDED BY THE ENGINEER
6. ENGINEER HAS NOT PROVIDED ANY JOB SITE INSPECTIONS UNLESS SPECIFICALLY ARRANGED
7. CLADDING PRODUCTS ARE TO BE INSTALLED TO THE MANUFACTURES SPECIFICATIONS, AND TO COMPLY WITH THE 2020 FLORIDA BUILDING CODE 7th EDITION w/SUPPLEMENTS, AND ASCET-16 THE CONTRACTOR IS TO PROVIDE ANY INSTALLATION GUIDELINES OR PRODUCT TESTING REQUIRED BY THE BUILDING OFFICIAL IF REQUESTED.
8. ALL CONSTRUCTION WORK AND DESIGN IS SUBJECT TO THE REVIEW AND INTERPRETATION OF THE BUILDING OFFICIALS, CONTRACTOR ACKNOWLEDGES THAT ADDITIONAL ENGINEERING DETAILS, AND/OR REQUIREMENTS MAY BE REQUESTED/REQUIRED BY THE PERMITTING AUTHORITY HAVING JURISDICTION, AND SUCH REQUIREMENTS MAY ALTER THE ORIGINAL PROPOSED DESIGN THESE ADJUSTMENTS COULD SUBJECT THE CONTRACTOR TO ADDITIONAL EXPENSES AND ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
9. HOMEOWNER ASSOCIATION, DEED RESTRICTIONS AND ZONING REQUIREMENTS, ETC. ARE THE RESPONSIBILITY OF THE CONTRACTOR AND NO VERIFICATION OR COMPLIANCE IS EXPRESSED OR IMPLIED BY THE ENGINEER.
10. THE STRUCTURE HAS BEEN DESIGNED TO BE SELF-SUPPORTING AND STABLE WHEN CONSTRUCTION IS COMPLETE THE CONTRACTOR IS RESPONSIBLE FOR ERECTION PROCEDURES AND SEQUENCE OF SUCH TO PROVIDE SAFETY OF WORKERS, THE BUILDING AND ALL COMPONENTS OF THE BUILDING ALL TEMPORARY BRACING IS THE RESPONSIBILITY OF THE CONTRACTOR.
11. THE CONTRACTOR IS RESPONSIBLE TO PROVIDE POSITIVE DRAINAGE FROM THE STRUCTURE OR BUILDING TO ALL APPLICABLE CODES AND ORDINANCES. SITE DRAINAGE IS ALSO THE CONTRACTORS RESPONSIBILITY THE ENGINEER HAS ACKNOWLEDGED NO REVIEW, COMMENT OR COMPLIANCE.
12. NO ENVIRONMENTAL STUDIES HAVE BEEN PERFORMED BY THE ENGINEER, AND IF REQUIRED ARE THE RESPONSIBILITY OF THE CONTRACTOR
13. THE DESIGN OF ALL PRE-ENGINEERED ROOF TRUSSES INCLUDING GIRDERS FLOOR TRUSSES, AND ALL BEAMS ARE TO BE DESIGNED TO MEET THE 2020 FBC w/SUPPLEMENTS AND ASCET 7-16 THE DESIGN IS TO INDICATE THE FLORIDA REGISTERED ENGINEER WHO DESIGNED THEM AND BEAR THE SEAL OF SUCH ENGINEER ALL LATERAL AND CROSS BRACING REQUIRED IS TO BE SPECIFIED BY THE DESIGNER, THE TRUSS OR FLOOR SYSTEM DESIGN SHALL NOT EXERT LATERAL LOADS ON ANY WALL SYSTEM, INTERIOR OR EXTERIOR THE DESIGN IS TO ALSO INDICATE THE METHOD OF THE LOADS AND ANY PROVISIONS REQUIRED, THE CONTRACTOR ASSUMES THE RESPONSIBILITY OF REVIEW OF THE PRE-ENGINEERED SYSTEMS AND ANY COMPLIANCE NECESSARY ANY DEVIATION FROM THE PROPOSED DESIGNS MAY REQUIRE ADDITIONAL REVIEW AND MODIFICATION.
14. ALL PERMANENT TRUSS BRACING, IN ADDITION TO TRUSS BRACING SPECIFIED BY THE TRUSS ENGINEER SHALL BE INSTALLED PER THE DETAIL IN THESE SHEETS, & IN ACCORDANCE TO BWT-76 & HB-91
15. ENGINEER OF RECORD MUST REVIEW & APPROVE TRUSS PLANS PRIOR TO THE START OF ANY CONSTRUCTION, FOUNDATION, BEARING WALLS, BEAMS, POSTS & TRUSS CONNECTORS ARE SUBJECT TO CHANGE BASED ON FINAL TRUSS PLANS
16. CONCRETE IS TO BE INSTALLED TO THE LATEST PUBLICATIONS OF THE ACI MANUALS THE ENGINEER DOES NOT WARRANT THE SLAB, ANY CONCRETE OR ANY MASONRY FROM CRACKING.
17. CONCRETE BEAMS SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI AT 28 DAYS, UNLESS OTHERWISE NOTED ALL CONCRETE PLACEMENTS SHALL BE IN ACCORDANCE WITH ACI 318.
18. ALL MASONRY UNITS ARE TO BE INSTALLED PER FBC 2020 7th EDITION.

ATTIC VENTILATION REQUIREMENTS:

- 1/300 RATIO REQUIRED ATTIC VENTILATION 50% OF REQUIRED VENTS TO BE PLACED IN UPPER PORTION OF ATTIC AT LEAST 3' ABOVE EAVE VENTS
1. RIDGE VENT & OFF RIDGE VENT ARE TO BE INSTALLED TO MFG SPECIFICATIONS WITH 2" x 4" MIN BLOCKING BETWEEN TRUSSES AT EACH SIDE VENT
 2. BLOCKING NAILED w/(2) 16d NAILS AT EACH END, EACH PIECE TYPICAL
 3. OFF RIDGE VENT INSTALLED A MINIMUM OF 12" FROM ROOF PEAK
 4. RIDGE BLOCKING IS NOT REQUIRED WHEN MINIMUM 7/16" SHEETING

FASCIA & SOFFIT VENTING:

1. MINIMUM 2"x4" SUB FASCIA NAILED TO TRUSS TAILS w/(2) 16d NAILS AT EACH TRUSS - (EACH PLY WHEN MULTIPLE TRUSS)
2. TYPICAL DRIP EDGE & SOFFIT/FASCIA INSTALLED TO MFG SPECIFICATIONS
3. SEE ALUMINUM ENGINEERING SPECIFICATIONS SUPPLIED BY OTHERS FOR FASIA OR OVERHANG REQUIREMENTS WHEN SCREEN ENCLOSURES OR STRUCTURAL GUTTERS ARE DESIGNED TO BE ATTACHED TO FASCIA NO VENTING IF USING SPRAY FOAM INSULATION.
4. SOFFITS SHALL BE CAPABLE OF RESISTING THE DESIGN PRESSURES SPECIFIED IN TABLE R301.2 (2) (2) . FOR HALLS SECTION R103.1
5. ENTRY LANAI CEILING SPECIFICATION OPTIONS:
 - a) ½" SAG RESISTANT GYPSUM BOARD OVER 1"x4" P.T. FURRING STRIPS NAILED @ 16" O.C. w/ (2) 8d NAILS EACH TRUSS
 - b) ½" NOMINAL PLYWOOD OR OSB FASTENED w/ 8d NAILS 6" O.C. OR ¾" x 1 ½" STAPLES 4" O.C.
 - c) ⅝" SAG RESISTANT EXTERIOR DRYWALL.

GENERAL STRUCTURAL NOTES:

1. THE STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH THE DRAWINGS OF ALL OTHER DISCIPLINES AND THE SPECIFICATIONS. THE CONTRACTOR SHALL VERIFY THE REQUIREMENTS OF THE TRADES AS TO SLEEVES, CHASES, HANGERS, INSERTS, ANCHORS, HOLES, AND OTHER ITEMS TO BE PLACED OR SET IN THE STRUCTURAL WORK.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLYING WITH ALL SAFETY PRECAUTIONS AND REGULATIONS DURING WORK. THE ENGINEER WILL NOT ADVISE ON NOR ISSUE DIRECTION AS TO SAFETY PRECAUTIONS AND PROGRAMS.
3. THE STRUCTURAL DRAWINGS REPRESENT THE FINISHED STRUCTURE AND DO NOT INDICATE THE METHODS OR MEANS OF CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE ALL TEMPORARY GUYING AND BRACING REQUIRED TO ERECT AND HOLD THE STRUCTURE IN PROPER ALIGNMENT UNTIL ALL STRUCTURAL WORK AND CONNECTIONS HAVE BEEN COMPLETED. THE INVESTIGATION, SAFETY, DESIGN ADEQUACY AND INSPECTION OF ERECTION BRACING, TEMPORARY SUPPORTS ETC. IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
4. THE ENGINEER SHALL NOT BE RESPONSIBLE FOR THE METHODS, TECHNIQUES AND SEQUENCES OR PROCEDURES TO PERFORM THE WORK. THE SUPERVISION OF THE WORK IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
5. DRAWINGS INDICATE GENERAL AND TYPICAL DETAILS OF CONSTRUCTION, WHERE CONDITIONS ARE NOT SPECIFICALLY SHOWN, THE STANDARD DETAILS CONTAINED IN THE ENGINEER OF RECORD DETAIL SHEETS SHALL BE USED.
6. LOADING APPLIES TO THE STRUCTURE DURING THE PROCESS OF CONSTRUCTION SHALL NOT EXCEED THE SAFE LOAD CARRYING CAPACITY OF THE STRUCTURAL MEMBERS. THE LIVE LOAD USED IN THE DESIGN OF THIS STRUCTURE ARE INDICATED IN THE "DESIGN CRITERIA NOTES". DO NOT APPLY ANY CONSTRUCTION LOADS UNTIL THE STRUCTURAL FRAMING IS PROPERLY CONNECTED TOGETHER AND UNTIL ALL TEMPORARY BRACING IS IN PLACE.
7. GARAGE TO LIVING DOOR TO BE SOLID w/ 20 MINUTE FIRE RATING & SELF CLOSING HINGES.
8. GARAGE TO DWELLING SEPARATION TO HAVE ½" GYPSUM BOARD ON GARAGE SIDE WALLS & ⅝" TYPE "X" ON CEILINGS w/ HABITABLE ROOMS ABOVE PER FBC 2020 R302.6
9. WALL SECTIONS 4 FOOT OR GREATER IN LENGTH w/ VERTICAL REBAR IN A FILLED CELL AT EACH END SHALL BE CONSIDERED A SHEAR WALL. FILLED CELLS ARE REQUIRED w/ VERTICAL #5 REBAR ON EACH SIDE OF WINDOWS, DOORS & OPENINGS ALSO AT ALL CORNERS & UNDER ALL GIRDER TRUSSES & BEAMS.

SITE PREPARATION NOTES:

1. THE BUILDING SHALL BE PREPARED AND TESTED IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE SOILS ENGINEER
2. IF THE SITE PREPARATION REQUIREMENTS ARE NOT SPECIFIED BY A GEOTECHNICAL REPORT THE FOLLOWING PROCEDURES SHOULD BE USED AS A MINIMUM.
 - A) WITHIN AN AREA A MINIMUM OF 5 FEET BEYOND THE BUILDING LIMITS EXCAVATE A MINIMUM OF 4" OF EXISTING SOIL. REMOVE ALL ORGANICS, PAVEMENT, ROOTS, DEBRIS AND OTHERWISE UNSUITABLE MATERIAL.
 - B) THE SURFACE OF THE EXPOSED SUBGRADE SHALL BE INSPECTED FOR POCKETS OF SOFT OR UNSUITABLE MATERIAL EXCAVATE UNSUITABLE SOIL AS DIRECTED BY THE GEOTECHNICAL ENGINEER/TESTING AGENCY.
 - C) FILL ALL EXCAVATED AREAS WITH APPROVED CONTROLLED FILL. PLACE IN 8-INCH LIFTS AND COMPACT TO A MINIMUM OF 95% OF THE MAXIMUM DRY DENSITY BASED ON THE MODIFIED PROCTOR TEST
 - D) ALL CONTROLLED FILL MATERIAL SHALL BE A SELECT GRANULAR MATERIAL FREE FROM ALL ORGANICS OR OTHERWISE DELETERIOUS MATERIAL
 - E) PROVIDE FILED DENSITY TESTS FOR EACH 1,500 SQ. FT. OF BUILDING AREA FOR EACH LIFT OF CONTROLLED FILL

APPLICABLE CODES :

2020 FLORIDA BUILDING CODE , 7th EDITION
2020 FLORIDA BUILDING CODE , 7th EDITION, BUILDING
2020 FLORIDA BUILDING CODE , 7th EDITION, EXISTING BUILDING
2020 FLORIDA BUILDING CODE , 7th EDITION, MECHANICAL
2020 FLORIDA BUILDING CODE , 7th EDITION, PLUMBING
2020 FLORIDA BUILDING CODE , 7th EDITION, FUEL GAS
2020 FLORIDA BUILDING CODE , 7th EDITION, ACCESSIBILITY CODE
2020 FLORIDA BUILDING CODE , 7th EDITION, ENERGY CONSERVATION
2017 NATIONAL ELECTRIC CODE, NFPA 70
2018 NFPA 1 CODE/ FFPC 6TH EDITION
2018 NFPA 101-LIFE SAFETY CODE

ALL STRUCTURAL LUMBER TO BE SYP NO.2.

ROOF UNDERLAYMENT APPLICATION

REFER TO 2020 FLORIDA BUILDING CODE-RESIDENTIAL, 7TH EDITION SECTION 905.1.1 FOR ROOF UNDERLAYMENT. UNDERLAYMENT FOR ROOF SLOPES 2:12 AND GREATER SHALL CONFORM TO APPLICABLE STANDARDS LISTED IN THE CHAPTER.

TRUSS CONNECTION NOTES:

TRUSS TO MASONRY w/ UPLIFT UP TO 1,810# USE (1) SIMPSON HETA20 OR EQ. U.N.O.
TRUSS TO MASONRY w/ UPLIFT FROM 1,811# TO 2,365# USE (2) SIMPSON HETA20 OR EQ. U.N.O.
GIRDER TO MASONRY USE (2) SIMPSON HETA20 OR EQ. UNLESS NOTED OTHERWISE
TRUSS TO WOOD w/ UPLIFT UP TO 1,310# USE (1) SIMPSON HTS20 OR EQ. U.N.O.
TRUSS TO WOOD w/ UPLIFT FROM 1,311# TO 2,620# USE (2) SIMPSON HTS20 OR EQ. U.N.O.
***IF HETA20 IS MISSED OR SKIPPED ON MASONRY, (2) HTSM20 MAY BE USED.

FBC 2020 7th EDITION TABLE R803.2.2 MIN. ROOF SHEATHING THICKNESS

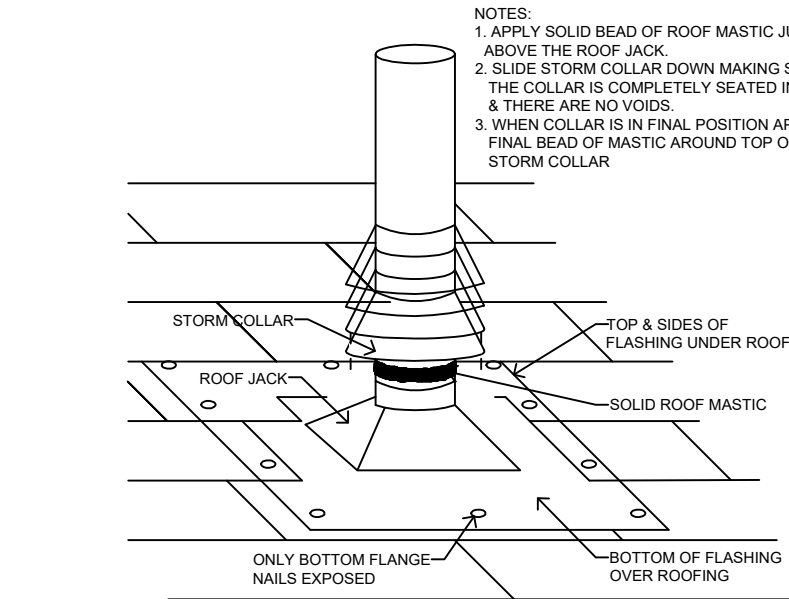
RAFTER / TRUSS SPACING 24" O.C.	WIND SPEED									
	115 mph	120 mph	130 mph	140 mph	150 mph	160 mph	170 mph	180 mph		
MIN. SHEATHING THICKNESS, INCHES (PANEL SPAN RATING) EXPOSURE B	7/16 (24/16)	7/16 (24/16)	7/16 (24/16)	7/16 (24/16)	15/32 (32/16)	19/32 (40/20)	19/32 (40/20)	19/32		
MIN. SHEATHING THICKNESS, INCHES (PANEL SPAN RATING) EXPOSURE C	7/16 (24/16)	7/16 (24/16)	15/32 (32/16)	19/32 (40/20)	19/32 (40/20)	19/32 (40/20)	19/32 (40/20)	23/32 (48/24)		
MIN. SHEATHING THICKNESS, INCHES (PANEL SPAN RATING) EXPOSURE D	15/32 (32/16)	19/32 (40/20)	19/32 (40/20)	19/32 (40/20)	19/32 (40/20)	19/32 (40/20)	23/32 (48/24)	23/32 (48/24)		

FBC 2020 7th EDITION TABLE R803.2.3.1 MIN. ROOF SHEATHING ATTACHMENT

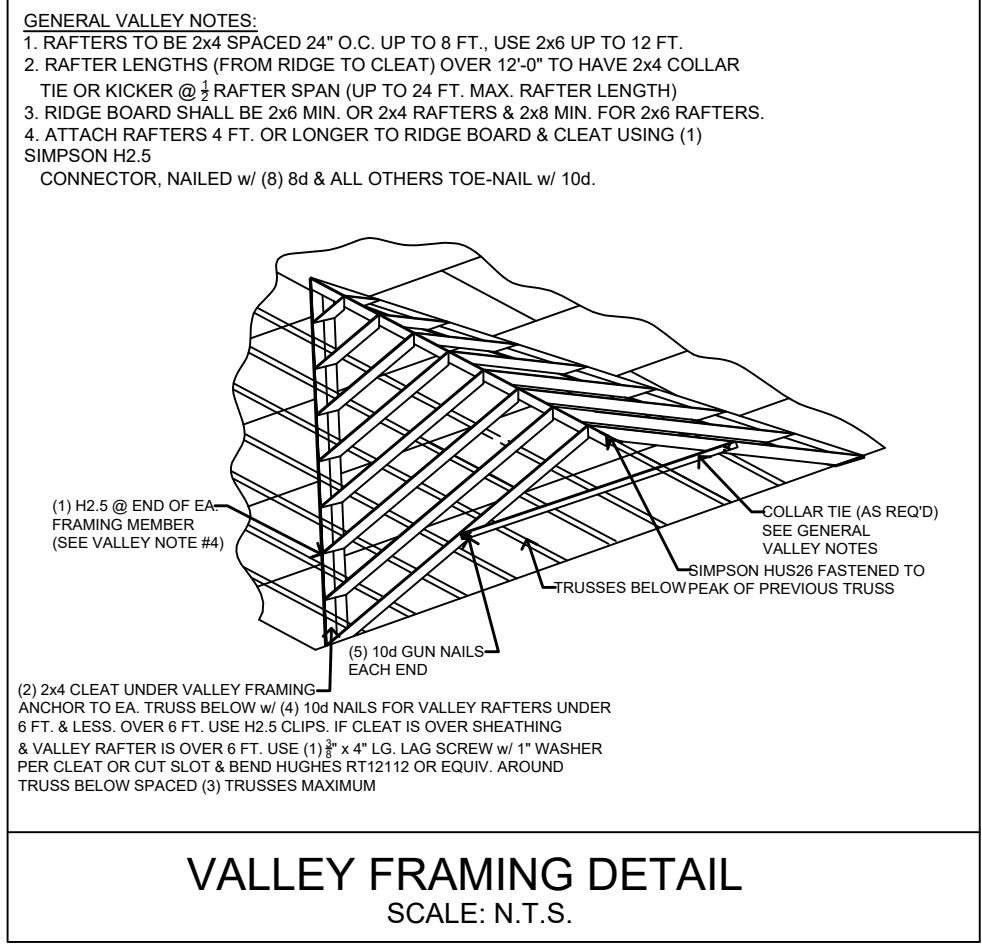
RAFTER / TRUSS SPACING 24" O.C.	WIND SPEED									
	115 mph	120 mph	130 mph	140 mph	150 mph	160 mph	170 mph	180 mph		
EXPOSURE B	E	F	E	F	E	F	E	F	E	F
RAFTER / TRUSS SG = 0.42	6	6	6	6	6	6	6	6	4	4
RAFTER / TRUSS SG = 0.49	6	12	6	12	6	6	6	6	6	6
EXPOSURE C	E	F	E	F	E	F	E	F	E	F
RAFTER / TRUSS SG = 0.42	6	6	6	6	6	4	4	4	3	3
RAFTER / TRUSS SG = 0.49	6	6	6	6	6	6	6	6	4	4
EXPOSURE D	E	F	E	F	E	F	E	F	E	F
RAFTER / TRUSS SG = 0.42	6	6	6	6	4	4	4	4	3	3
RAFTER / TRUSS SG = 0.49	6	6	6	6	6	6	4	4	4	4

E = NAIL SPACING ALONG PANEL EDGES (INCHES)
F = NAIL SPACING ALONG INTERMEDIATE SUPPORTS IN THE PANEL FIELD (INCHES)
a) FOR SHEATHING LOCATED A MIN. OF 4 FT. ON EA. SIDE OF RIDGES & HIPS, NAIL SPACING IS PERMITTED TO BE 6" O.C. ALONG PANEL EDGES & 6" O.C. ALONG INTERMEDIATE SUPPORTS IN PANEL FIELD.
b) WHERE RAFTER / TRUSS SPACING IS LESS THAN 24 IN. O.C., ROOF SHEATHING FASTENING IS PERMITTED TO BE IN ACCORDANCE WITH THE AWC WFCM OR THE AWC NDS.

Where the sheathing thickness is 15/32 inches and less, sheathing shall be fastened with ASTM F1667 RSR5-01 (23/8" × 0.113") nails.
Where the sheathing thickness is greater than 15/32 inches, sheathing shall be fastened with ASTM F1667 RSR5-03 (21/2" × 0.131") nails or ASTM F1667 RSR5-04 (3" × 0.120") nails. RSR5-01, RSR5-03 and RSR5-04 are ring shank nails meeting the specifications in ASTM F1667.



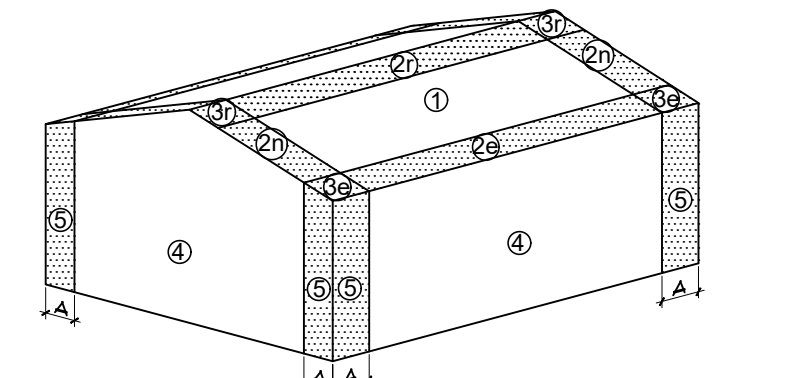
VENT PIPE PENETRATION
SCALE: N.T.S.



VALLEY FRAMING DETAIL
SCALE: N.T.S.

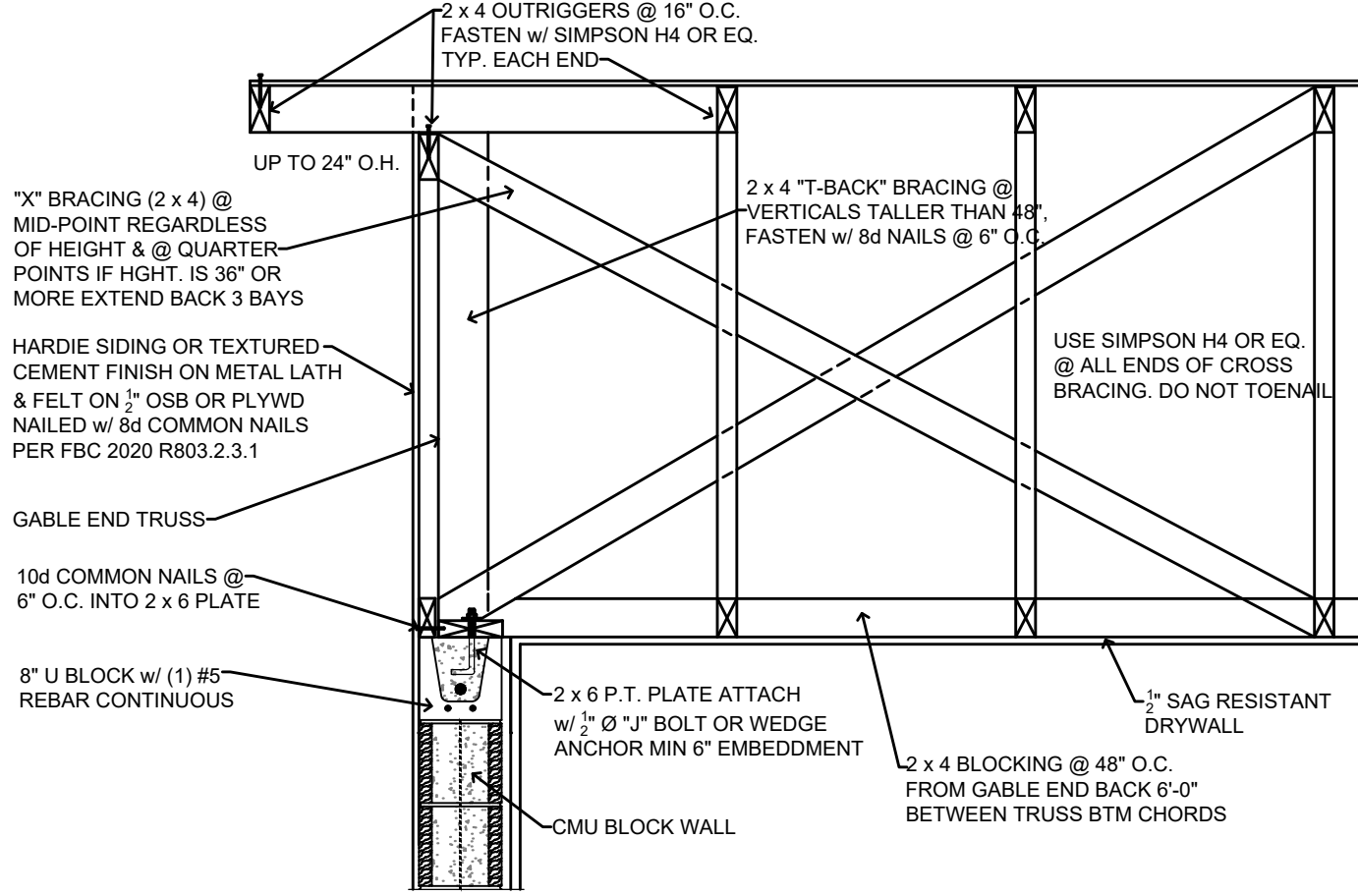
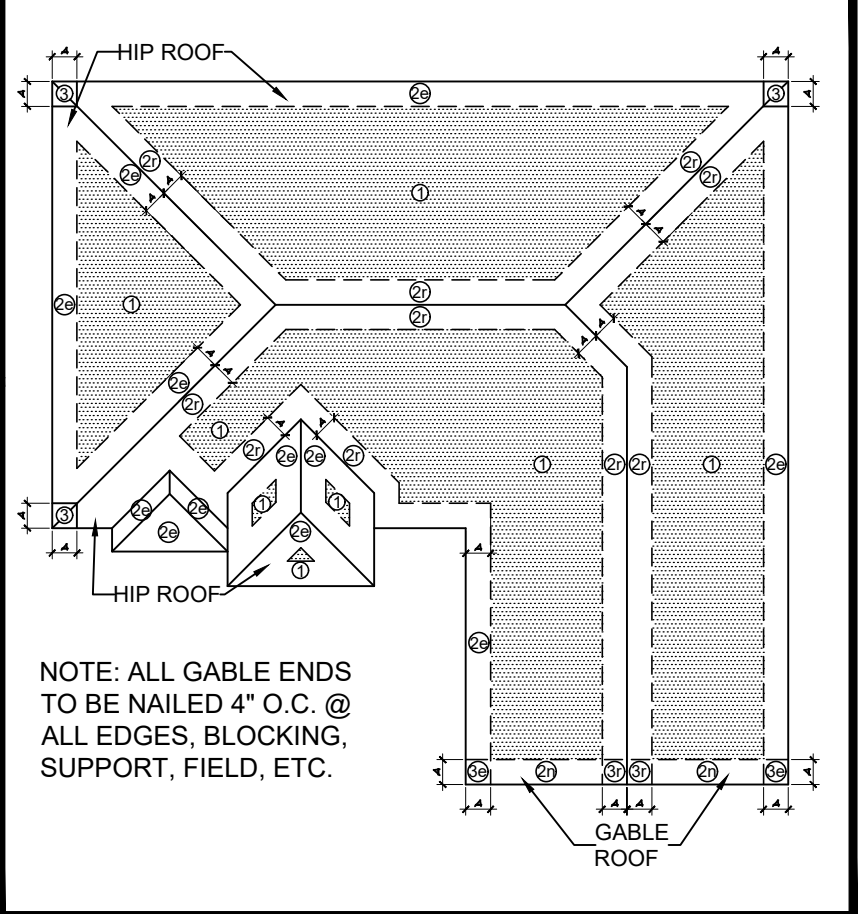
ROOF PLAN NOTES

1. MINIMUM PRE-FABRICATED ROOF TRUSS DESIGN LOADS TO BE:
TOP CHORD LIVE LOAD: 20 P.S.F.
TOP CHORD DEAD LOAD: 15 P.S.F.
BOTTOM CHORD: 10 P.S.F.
TOTAL OF 45 P.S.F.
2. TRUSS ENGINEER IS RESPONSIBLE FOR THE DESIGN OF TRUSS SYSTEM, ROOF FRAMING PLAN & MUST PROVIDE ENGINEERING FOR ALL TRUSSES, TRUSS TO TRUSS CONNECTORS, BEAM BUCKETS/HANGER & UPLIFT DESIGN LOADS. ALL OF WHICH SHALL BE CLEARLY & COMPLETELY SPECIFIED ON TRUSS MANUFACTURER'S ENGINEERING DOCUMENTS.
3. ALL FLASHING & EAVE METAL TO BE 26 GAUGE, G-90 GALV. STEEL. FLASHING TO BE INSTALLED AT ALL WALL/ ROOF INTERSECTIONS, GUTTERS (IF APPLICABLE) WHEREVER THERE IS A CHANGE IN ROOF SLOPE / DIRECTION EXCEPT HIP & RIDGE JUNCTIONS & ALL AROUND ROOF OPENINGS.



DESIGN WIND PRESSURES: REFER TO FIG R301.2(7) COMPONENT AND CLADDING PRESSURE ZONES (2020 FBC-R)

THE ENGINEER OF RECORD MUST REVIEW AND APPROVE TRUSS PLANS PRIOR TO THE START OF ANY CONSTRUCTION. FOUNDATION, BEARING WALLS, BEAMS, POSTS & TRUSS CONNECTORS ARE SUBJECT TO CHANGE BASED ON FINAL TRUSS PLANS



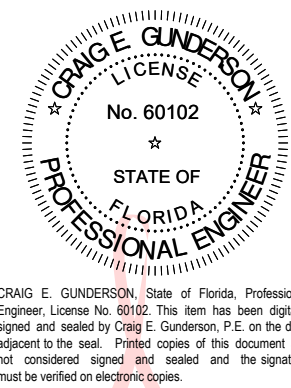
GABLE END CONNECTION
N.T.S.

Air-handling units shall not be installed in the attic when a home is brought into code compliance by Section R402. Air-handling units shall be allowed in attics for compliance by Section R405 only if the following conditions are met:

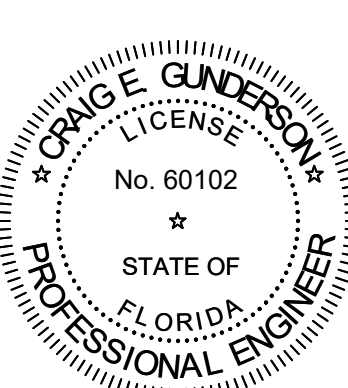
1. The service panel of the equipment is located within 6 feet (1829 mm) of an attic access.
2. A device is installed to alert the owner or shut down the unit when the condensation drain is not working properly.
3. The attic access opening is of sufficient size to replace the air handler.
4. A notice is posted on the electric service panel indicating to the homeowner that the air handler is located in the attic. Said notice shall be in all capitals, in 16-point type, with the title and first paragraph in bold:

NOTICE TO HOMEOWNER

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



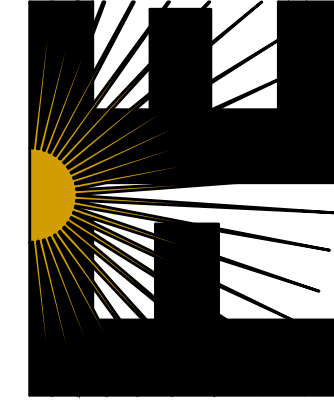
Digitally signed
by Craig E
Gunderson
Date: 2022.10.19
13:14:33 -04'00'



Craig E. Gunderson, P.E. #60102

ALL THE DESIGN AND DETAILS ON THIS PLAN ARE THE PROPERTY OF FLORIDA ENGINEERING LLC AND SHALL NOT BE USED, COPIED OR REPRODUCED WITHOUT THE WRITTEN PERMISSION OF FLORIDA ENGINEERING LLC.

Florida
Engineering, LLC
4161 TAMAMI TRAIL UNIT 101
PORT CHARLOTTE, FL 33952
(813) 941-9785
FAX 941-978495



I HEREBY CERTIFY AS THE BUILDING DESIGN ENGINEER OF RECORD, THAT THE BUILDING DESIGN AS SHOWN ON THESE PLANS AND AS ACCOMPANIED BY DESIGN & SUPPORT DOCUMENTS CONFORMS TO THE 2020 7th EDITION FLORIDA BUILDING CODE. I AM A LICENSED PROFESSIONAL ENGINEER IN THE STATE OF FLORIDA, AND THE COMPONENTS OF WHICH THE TRUSS DESIGN ENGINEER IS THE ENGINEER OF RECORD. THIS PLAN HAVE BEEN PREPARED IN COMPLIANCE WITH THE 2020 7th EDITION FLORIDA BUILDING CODE WITH SUPPLEMENTS.

STRUCTURAL DETAILS

REV 1:	REV 4:
REV 2:	REV 5:
REV 3:	REV 6:

DRAWN BY: BILL S.

PROJECT #: XX XXX XX

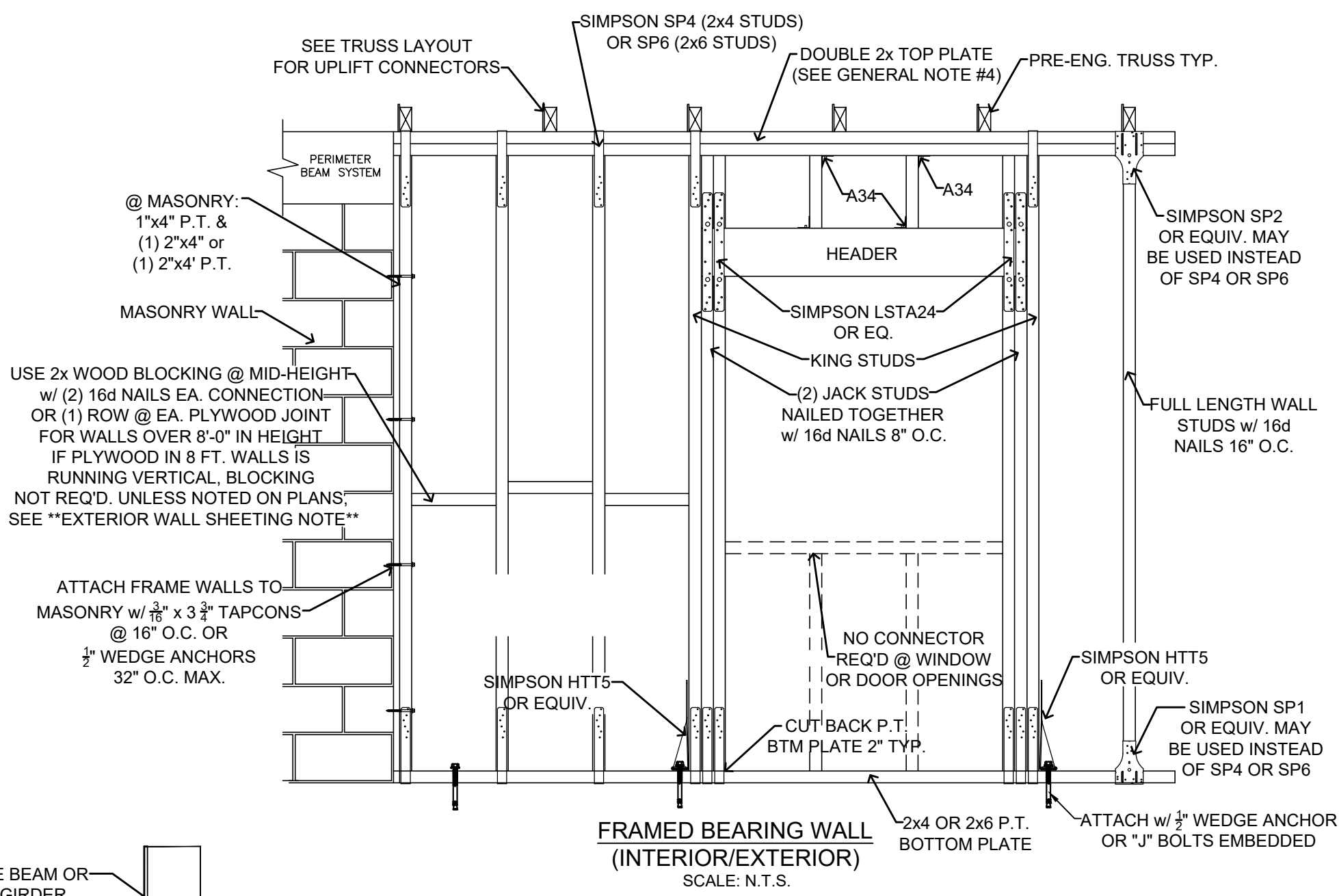
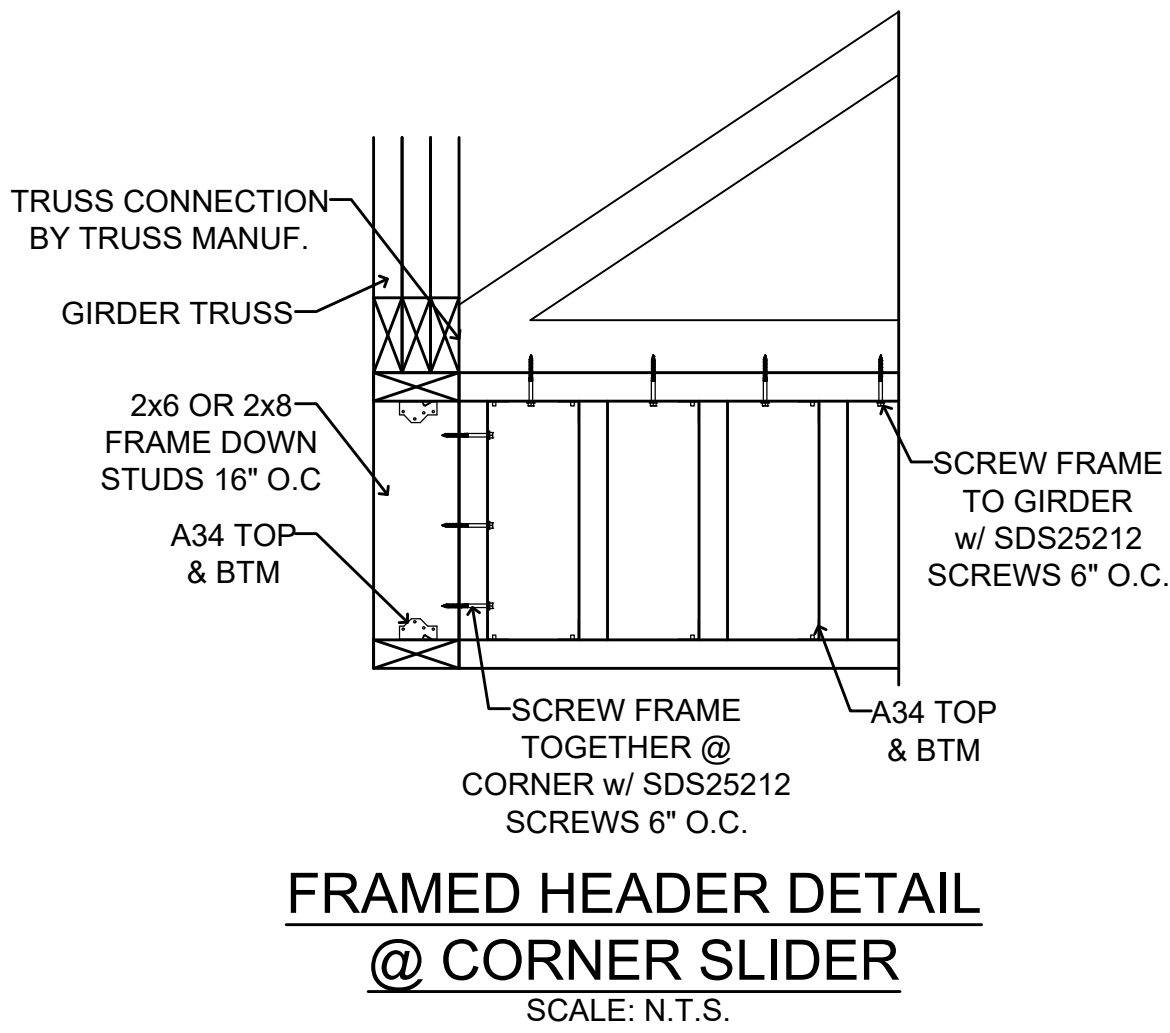
SCALE: AS PER PLAN

SHEET TITLE:

DETAILS &
NOTES

SHEET NUMBER:

S-1



NOTE SCHEDULE

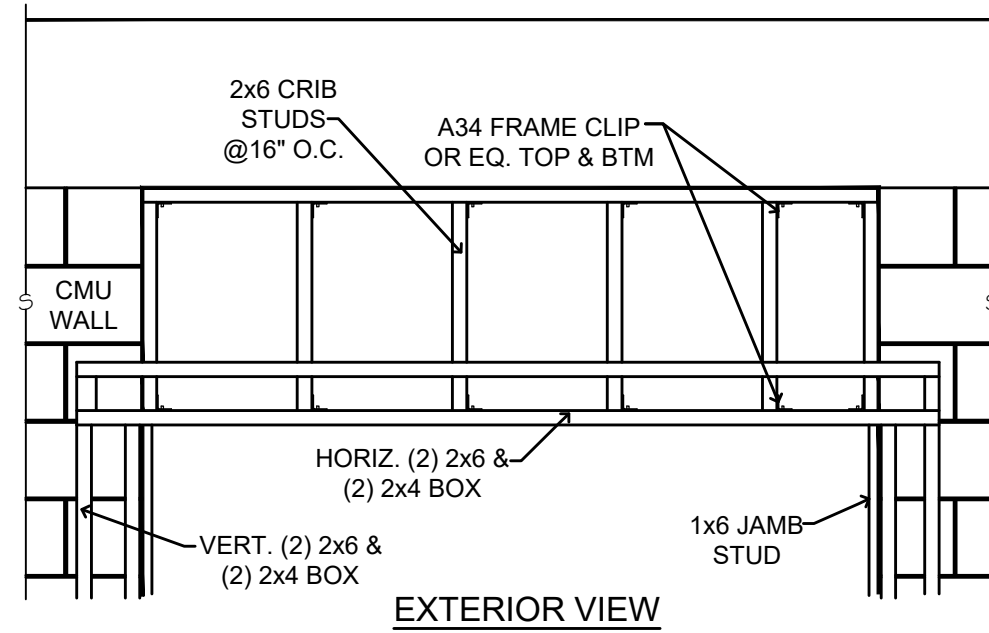
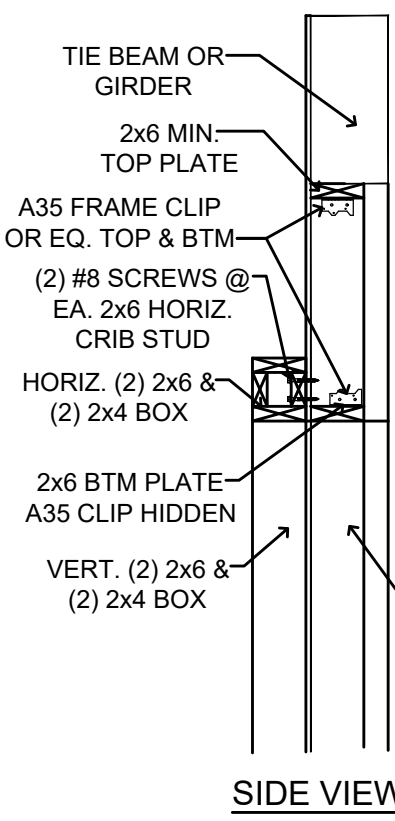
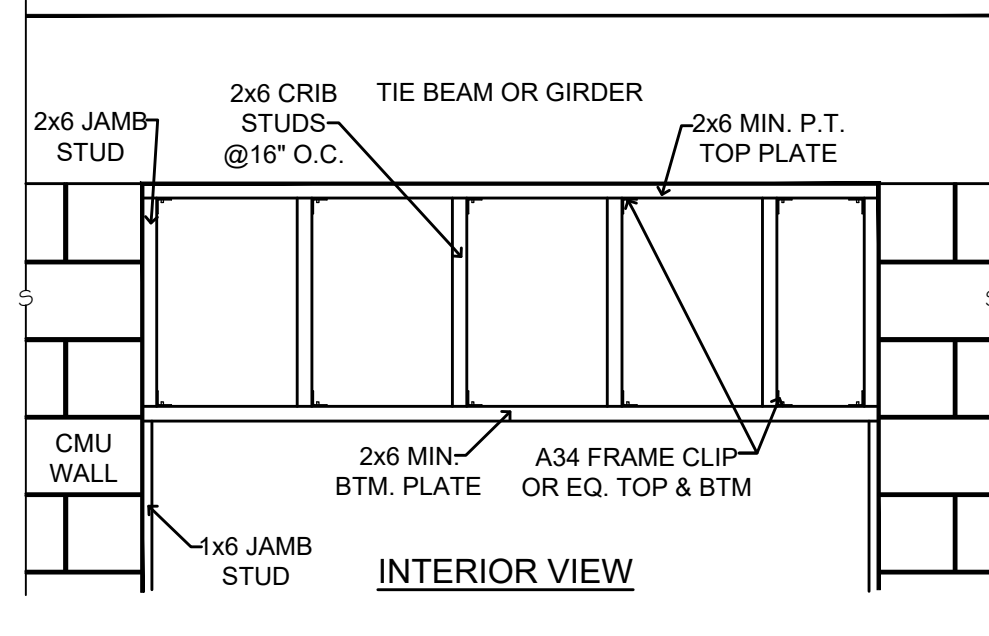
#1	1/2" X 5" TITEN HD ANCHOR BOLT W/ 2" WASHER @ 6" FROM ALL CORNERS & OPENINGS, & 32" O.C. MAX.
#2	SIMPSON SP4 @ BOTTOM OF ALL FULL LENGTH & JACK STUDS @ ALL DOOR/WINDOW OPENINGS
#3	SIMPSON SP4 @ TOP & BOTTOM OF FULL LENGTH STUDS @ 32" O.C.
#4	SIMPSON SP4 @ TOP OF ALL FULL LENGTH STUDS @ ALL DOOR/WINDOW OPENINGS
#5	CONNECT ALL JACK STUDS TO HEADER W/ SIMPSON LSTA12 @ ALL DOOR/WINDOW OPENINGS
#6	CONNECT DBL TOP PLATE TO HEADER W/ SIMPSON SP4 @ 16" FROM EACH END, & 32" O.C. MAX.

FULL LENGTH/ JACK STUD SCHEDULE

OPENING WIDTH	(1) JACK STUD EACH END, (2) FULL LENGTH STUD EACH END
1'-0" TO 4'-0"	(1) JACK STUD EACH END, (2) FULL LENGTH STUDS EACH END
4'-1" TO 6'-0"	(2) JACK STUDS EACH END, (3) FULL LENGTH STUDS EACH END
6'-1" TO 9'-0"	(3) JACK STUDS EACH END, (3) FULL LENGTH STUDS EACH END
9'-1" TO 12'-0"	(3) JACK STUDS EACH END, (3) FULL LENGTH STUDS EACH END

NOTE: DBL 2 x 12 HEADER MAX. SPAN = 12'-1" ALL OTHER SPANS SHALL BE SPECIFIED

Frame 2x4-Bearing Wall-Header Schedule
N.T.S.



NOTE: IF CRIB STUDS ARE NOT REQ'D, BOX 2x4 ADJACENT TO WALL CONNECTS DIRECTLY TO THE BEAM w/ $\frac{3}{8}$ " x 3 $\frac{1}{2}$ " LG. TAPCONS 6" FROM ENDS @ 16" O.C.

NOTE: HORIZ. BOX MAY BE CONSTRUCTED w/ 2x8 IN LIEU OF THE 2x6 MEMBERS IF THE POCKET FOR THE SLIDING GLASS DOOR REQUIRES MORE DEPTH. VERIFY THIS PRIOR TO INSTALLATION.

SLIDING GLASS DOOR POCKET DETAIL

SCALE: N.T.S.

- NOTES:
1. ATTACH 2x6 TOP PLATE TO TIE BEAM OR GIRDER w/ $\frac{3}{8}$ " x 3 $\frac{1}{2}$ " MIN. TAPCONS STARTING 6" FROM ENDS @ 16" O.C.
 2. ATTACH 2x6 BOTTOM PLATE TO CMU WALL EA. END w/ A35 CLIP w/ (4) 10d NAILS IN TOP PLATE & (3) $\frac{3}{8}$ " TAPCONS IN CMU WALL. (CLIP MAY BE ON TOP OR BOTTOM OF PLATE).
 3. ATTACH 2x6 JAMB STUDS TO CMU WALL w/ $\frac{3}{8}$ " x 3 $\frac{1}{2}$ " LG. TAPCONS STARTING 8" FROM TOP @ 16" O.C.
 4. ATTACH 1x6 JAMB PLATES TO CMU w/ $\frac{3}{8}$ " x 2 $\frac{1}{2}$ " LG. TAPCONS STARTING 8" FROM TOP 16" O.C.
 5. ATTACH 2x6 CRIB STUDS TO TOP & BOTTOM PLATES w/ A34 CLIPS w/ (2) 10d NAILS IN CRIB STUD & (2) 10d NAILS IN PLATE.
 6. ATTACH 2x4 SIDE PLATE OF BOX ADJACENT TO FACE OF WALL TO CRIB STUDS w/ (2) #8 x 4" LG. WOOD SCREWS PER STUD.
 7. ATTACH 2x6 PLATES TO 2x4 PLATES IN BOX w/ 16d NAILS STARTING 6" FROM ENDS 16" O.C.
 8. VERTICAL BOX ONLY REQUIRED AT END WHERE JAMB STRIP IS ATTACHED. ALSO 2x4 BLOCKS IN VERTICAL BOX ARE NOT REQUIRED TO BE FULL LENGTH.
 9. ALL STRUCTURAL LUMBER MUST BE S.Y.P. #2

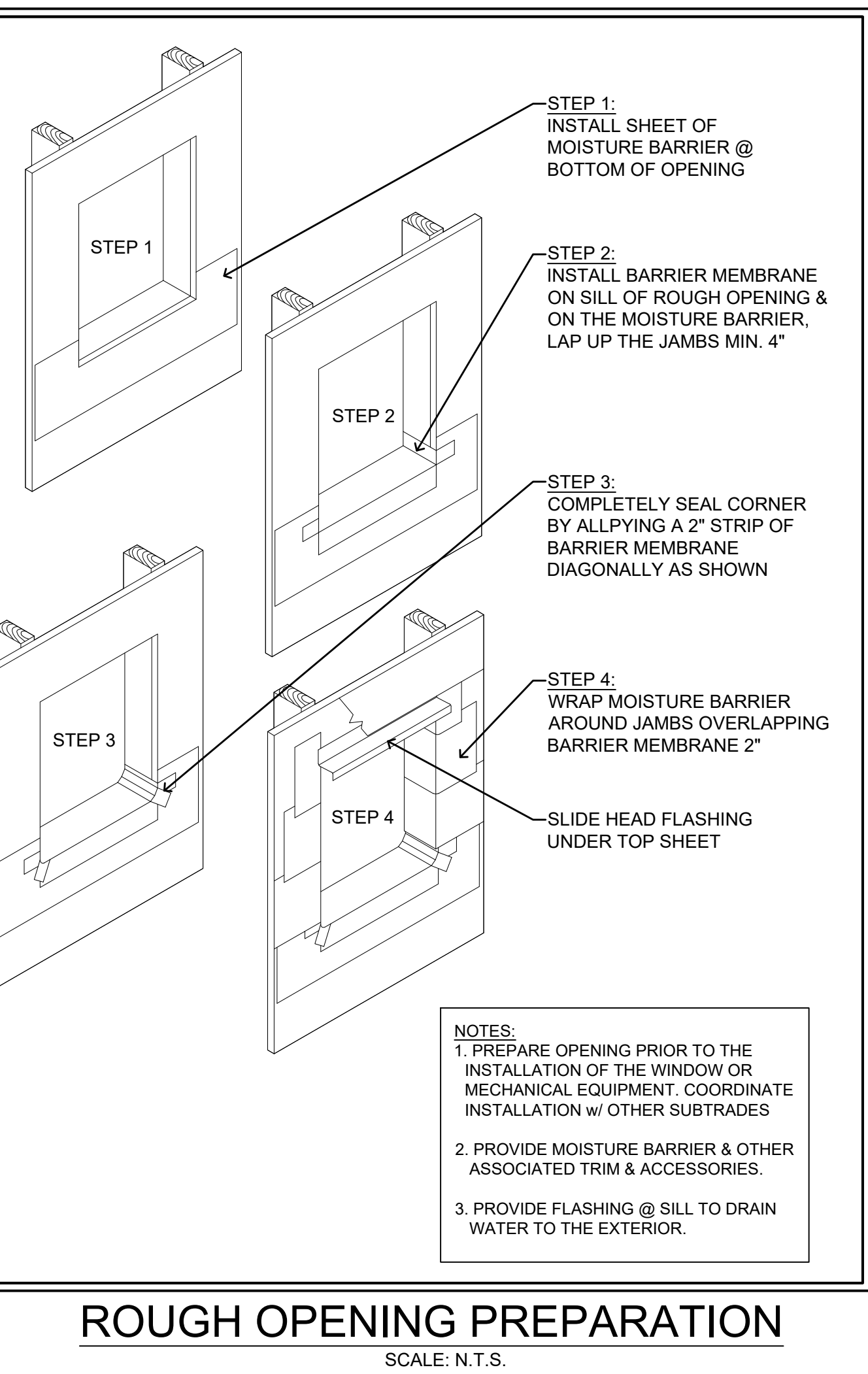
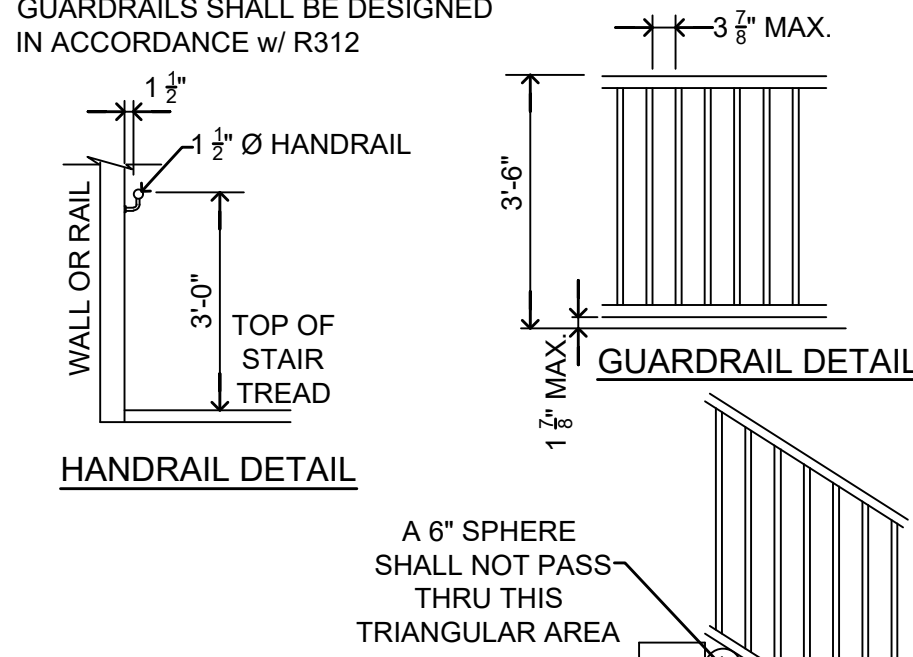
STAIR FRAMING DETAIL

REFERENCE FBC 2020 7th EDITION
ALL STAIR STRUCTURAL FRAMING SHALL BE 2x MATERIAL
RISER HEIGHT: 7 $\frac{3}{8}$ " MAXIMUM
TREAD WIDTH: 9" MINIMUM
SUM OF (2) RISERS + (1) TREAD (NOT INCLUDING NOSING) SHALL EQUAL NOT LESS THAN 24" NOT MORE THAN 25"
A FLIGHT OF STAIRS SHALL NOT HAVE A VERTICAL RISE OF MORE THAN 12 FT. BETWEEN FLOORS OR LANDINGS.
LANDINGS MUST BE CONSTRUCTED @ DOOR OPENINGS; WIDTH & DEPTH OF LANDINGS MUST NOT BE LESS THAN THE WIDTH OF THE STAIRS THAT THEY SERVE.

2x RISER BOARD TO BE INSTALLED BETWEEN OUTER STAIR RAILS & RESTING ON MIDDLE SUPPORT RAIL- 2 x 12 RAIL BOARDS CUT FOR TREADS & RISERS

ALTHOUGH NOT REQUIRED, IT IS RECOMMENDED THE THE STAIRCASE BE FASTENED w/ 3" GALV. DECK SCREWS & GLUED IN AN EFFORT TO PREVENT STAIRCASE TRAVEL NOISE.

HANDRAILS SHALL BE DESIGNED IN ACCORDANCE w/ FBC R311.5.6; GUARDRAILS SHALL BE DESIGNED IN ACCORDANCE w/ R312



ROUGH OPENING PREPARATION

SCALE: N.T.S.

1. THE HEADER STUD SHALL NOT BE REQUIRED IF THE HEADER IS SUPPORTED BY A SUITABLE FRAMING ANCHOR.

2. IF GO BOLT OR PRO BOLT OR TIE MAX ANCHOR OR SIMPSON SYSTEM IS INSTALLED, CONNECTORS INDICATED IN THIS DETAIL ARE NOT REQUIRED.

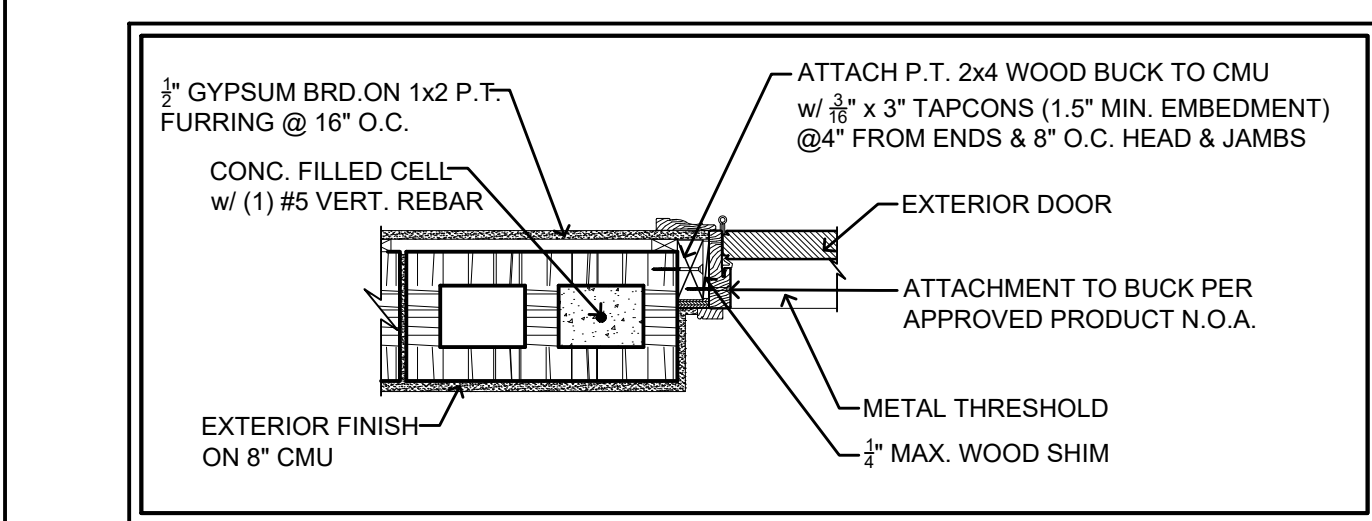
UNSUPPORTED WALL HEIGHT	STUD SPACING	MAXIMUM HEADER SPAN (FEET)					
		4'	6'	9'	12'	15'	18'
10' OR LESS	12 INCHES	2	2	3	3	3	3
	16 INCHES	2	2	3	3	3	3
	24 INCHES	1	2	2	2	2	2
	12 INCHES	2	2	3	4	5	5
GREATER THAN 10'	16 INCHES	2	2	3	3	4	4
	24 INCHES	1	2	2	2	3	3

STRAP LOCATION	FASTENERS 10d x 1 $\frac{1}{2}$ " NAILS	UPLIFT
2x4 AND 2x6 WALL		
SIMPSON MSTA (flat strap)		
A	10	760
A	14	1065
A	16	1215
A	18	1370
2x4 WALL		
SIMPSON SP4		
B.C.	6	735
B.C.	10	1240
B.C.	12	1360
2x6 WALL		
STRAP LOCATION	FASTENERS 10d x 1 $\frac{1}{2}$ " NAILS	UPLIFT
SIMPSON SP6		
B.C.	6	735
B.C.	10	1240
B.C.	12	1360

ALL CONNECTORS MAY BE AS SHOWN OR SUBSTITUTED WITH EQUAL OR GREATER CONNECTORS

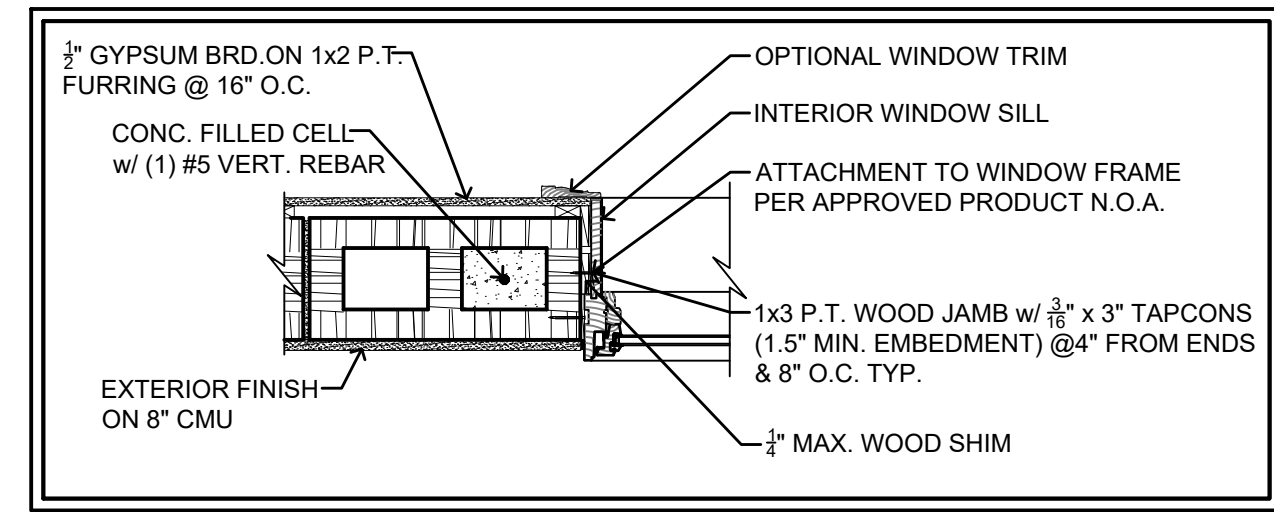
DOUBLE TOP PLATE SPLICE NAILING REQUIREMENT:
(2) 10d NAILS EACH SIDE OF SPLICE
SPLICE TO BE STAGGERED MIN OF 4" FROM ANY OTHER SPLICE
PLATES TO BE NAILED TOGETHER 16" OC MIN WITH 10d NAILS

MINIMUM STUD & HEADER REQUIREMENTS FOR OPENINGS
NTS



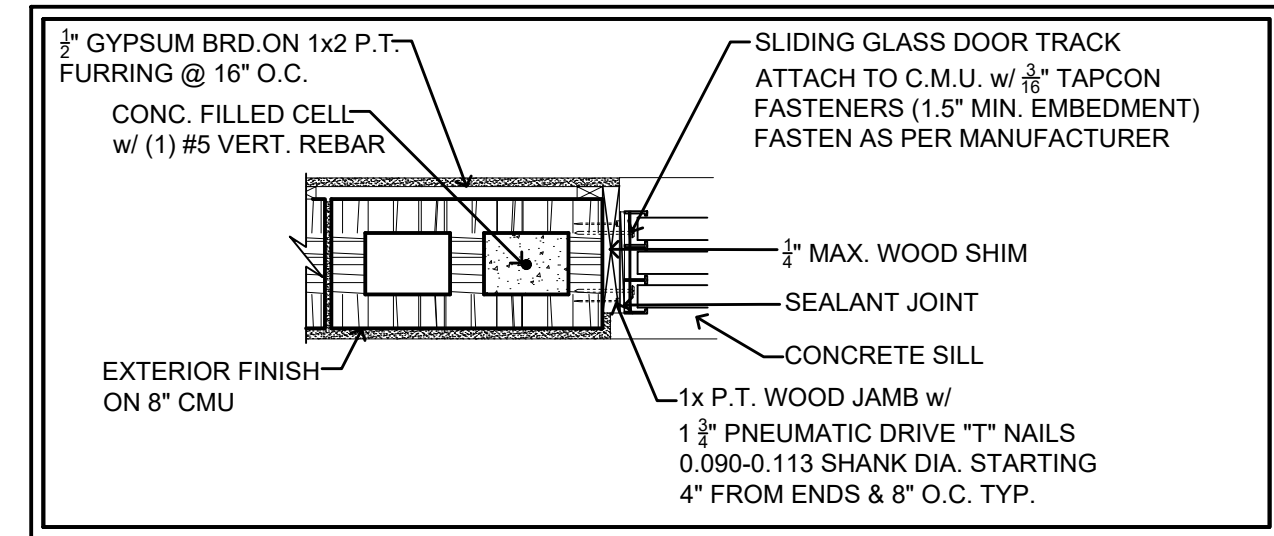
DOOR JAMB TO BLOCK HEAD & SIDELITES SIMILAR

SCALE: N.T.S.



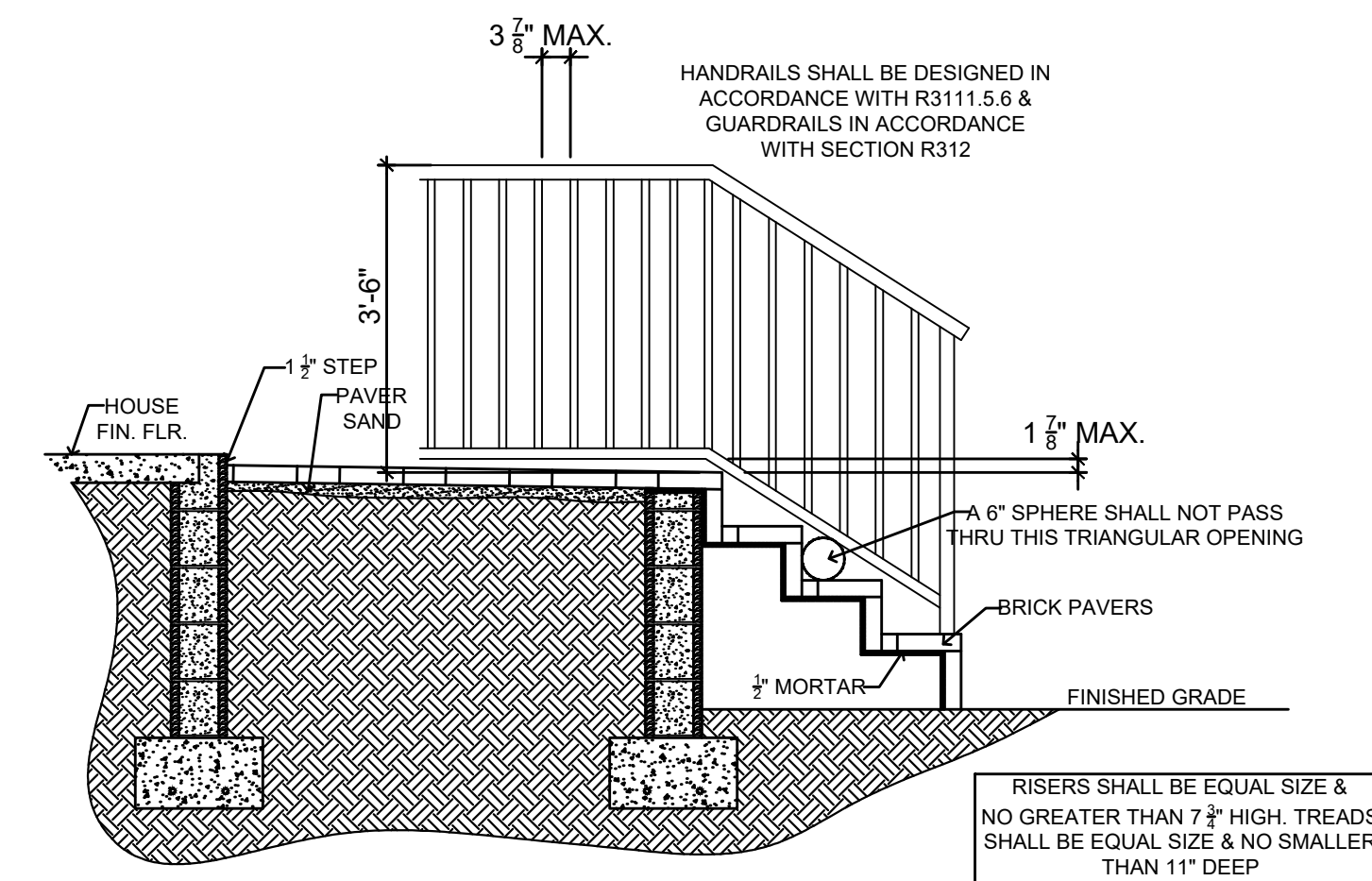
WINDOW JAMB TO BLOCK HEAD SIMILAR

SCALE: N.T.S.



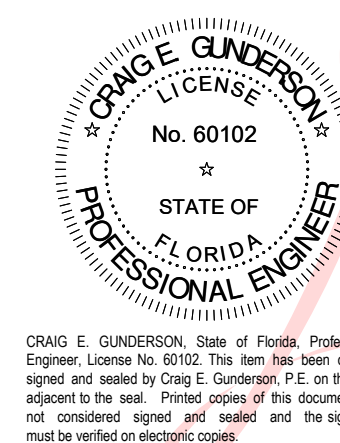
SLD GLASS DOOR JAMB TO BLOCK HEAD SIMILAR

SCALE: N.T.S.

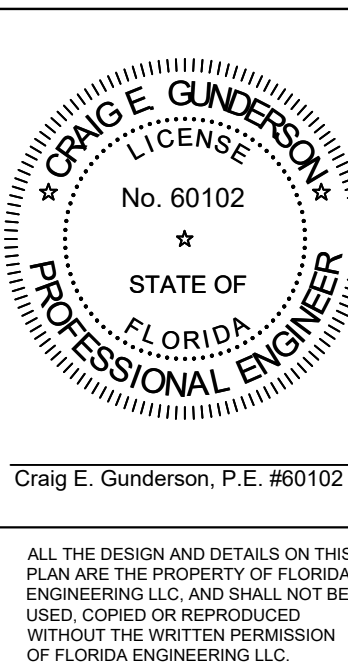


EXTERIOR STAIR DETAIL WITH STEM WALL

SCALE: N.T.S.



Digitally signed by Craig E Gunderson
Date: 2022.10.19 13:14:44 -04'00'



Craig E. Gunderson, P.E. #60102
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Florida Engineering, LLC
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PORT CHARLOTTE, FL 33952
TEL: 813-974-1955 FAX: 813-974-1955

I HEREBY CERTIFY AS THE BUILDING DESIGN ENGINEER OF RECORD, THAT THE BUILDING DESIGN AS SHOWN ON THESE PLANS AND AS ACCOMPANIED BY DESIGN & SUPPORT DOCUMENTS CONFORMS TO THE 2020 7th EDITION FLORIDA BUILDING CODE. I AM NOT PROVIDING DESIGN SERVICES FOR ANY OTHER COMPONENTS OF WHICH THE TRUSS DESIGN ENGINEER IS THE ENGINEER OF RECORD. THIS PLAN HAVE BEEN PREPARED IN COMPLIANCE WITH THE 2020 7th EDITION FLORIDA BUILDING CODE WITH SUPPLEMENTS.

STRUCTURAL DETAILS

REV 1:	REV 4:
REV 2:	REV 5:
REV 3:	REV 6:

DRAWN BY: BILL S.
PROJECT #: XX XXX XX
SCALE: AS PER PLAN
SHEET TITLE:

DETAILS & NOTES

SHEET NUMBER:

S-2

