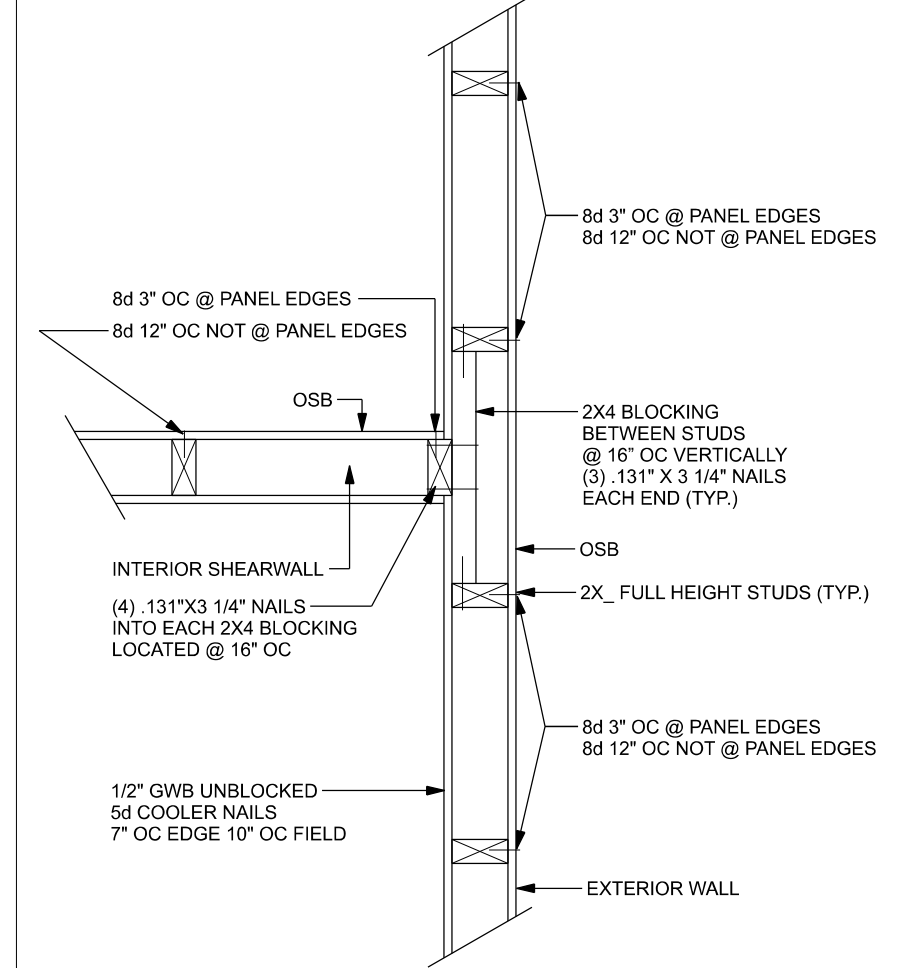
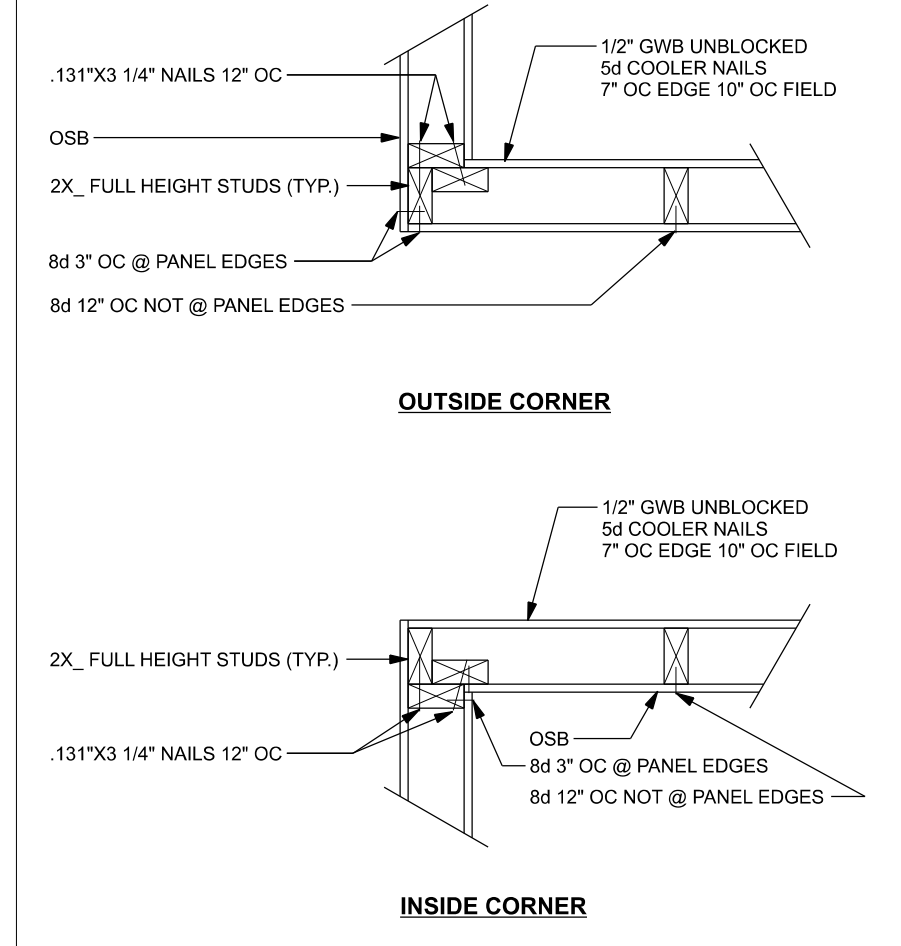


ONE STORY WALL SECTION
SCALE: 3/4" = 1'-0"



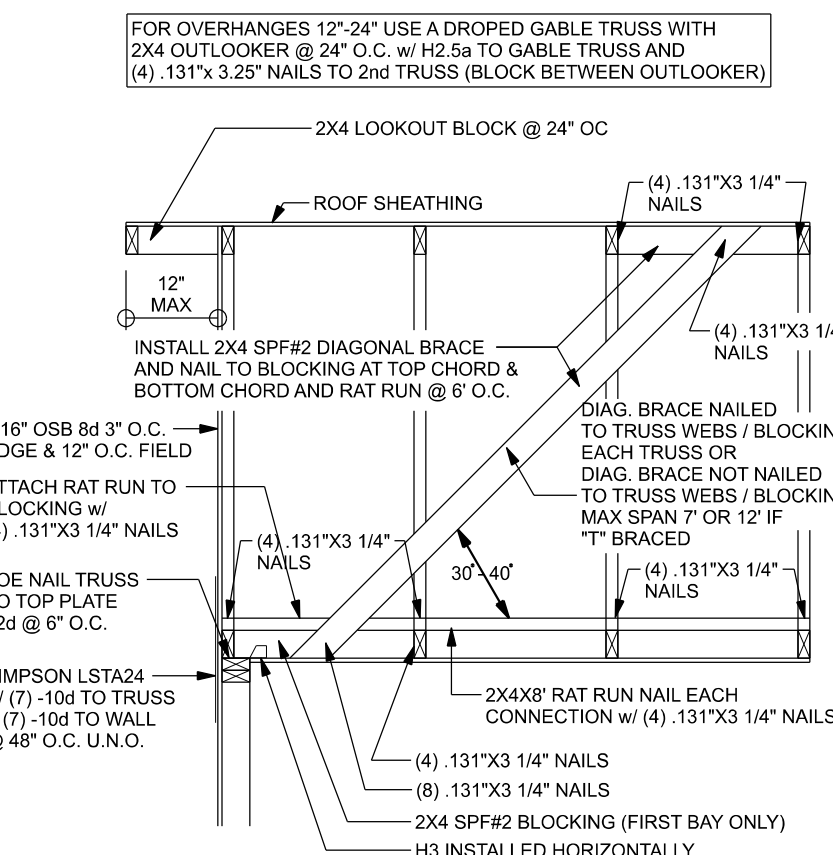
TYPICAL HEADER STRAPPING DETAIL
ONE STORY WOOD FRAME w/ STRAPS & ANCHORS



(TYP.) CORNER FRAMING
WOOD FRAME

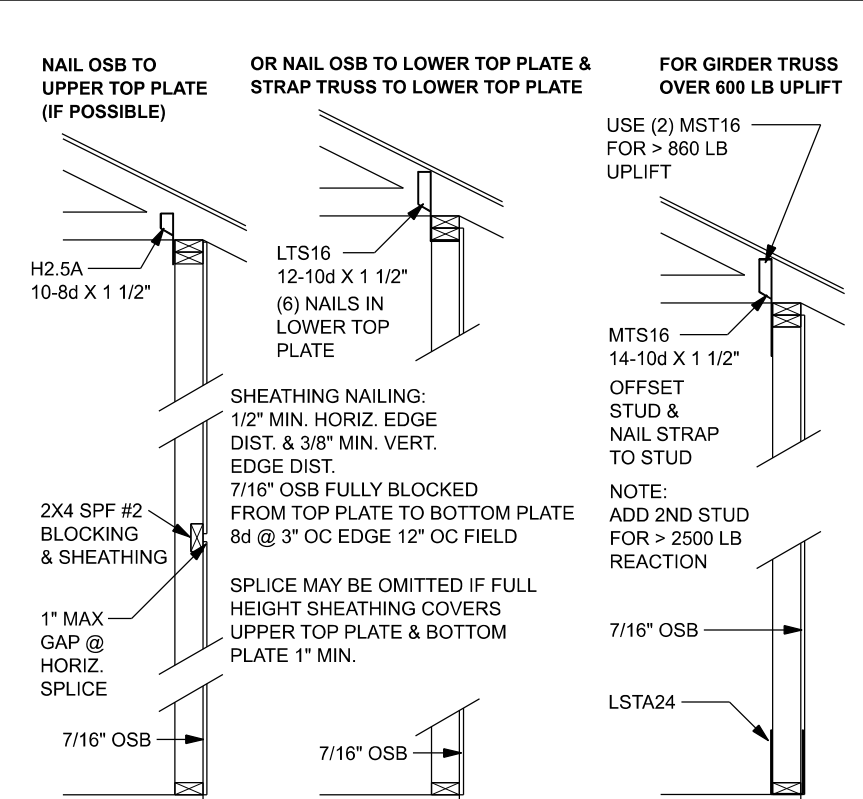
| ROOF SHEATHING FASTENING TABLE (RAFTER / TRUSS SG = 0.49) | | | | |
|---|------------------------------------|---|--------------------------------|---|
| Wind Speed | Sheathing Thickness Plywood Or OSB | Required Nail | Nail spacing along panel edges | Nail spacing along intermediate supports in the panel field |
| 120 mph Exp. B | 7/16" | ASTM F1667 RSRs-01 (2 3/8" x 0.131") | 6" oc | 12" oc |
| 120 mph Exp. C | 7/16" | ASTM F1667 RSRs-01 (2 3/8" x 0.131") | 6" oc | 6" oc |
| 120 mph Exp. D | 15/32" | ASTM F1667 RSRs-03 (2 1/2" x 0.131") or ASTM F1667 RSRs-04 (3" x 0.120") | 6" oc | 6" oc |
| 130 mph Exp. B | 7/16" | ASTM F1667 RSRs-01 (2 3/8" x 0.131") | 6" oc | 6" oc |
| 130 mph Exp. C | 15/32" | ASTM F1667 RSRs-01 (2 3/8" x 0.131") | 6" oc | 6" oc |
| 130 mph Exp. D | 15/32" | ASTM F1667 RSRs-03 (2 1/2" x 0.131") or ASTM F1667 RSRs-04 (3" x 0.120") | 6" oc | 6" oc |
| 140 mph Exp. D | 7/16" | ASTM F1667 RSRs-01 (2 3/8" x 0.131") | 6" oc | 6" oc |
| 140 mph Exp. C | 15/32" | ASTM F1667 RSRs-03 (2 1/2" x 0.131") or ASTM F1667 RSRs-04 (3" x 0.120") | 6" oc | 6" oc |
| 140 mph Exp. D | 15/32" | ASTM F1667 RSRs-03 (2 1/2" x 0.131") or ASTM F1667 RSRs-04 (3" x 0.120") | 6" oc | 6" oc |
| 150 mph Exp. C | 15/32" | ASTM F1667 RSRs-03 (2 1/2" x 0.131") or ASTM F1667 RSRs-04 (3" x 0.120") | 6" oc | 6" oc |
| 150 mph Exp. D | 15/32" | ASTM F1667 RSRs-03 (2 1/2" x 0.131") or ASTM F1667 RSRs-04 (3" x 0.120") | 4" oc | 4" oc |

Note: For sheathing located a minimum of 4 feet from the perimeter edge of the roof, including 4 feet on each side of ridges and hips, nail spacing is permitted to be 8 inches on center along panel edges and 6 inches on center along intermediate supports in the panel field. Note: This table specifies the code minimum thickness of roof sheathing. The thickness of the sheathing may need to be increased based in the type of roofing material being used. See manufacturer Florida product approval.

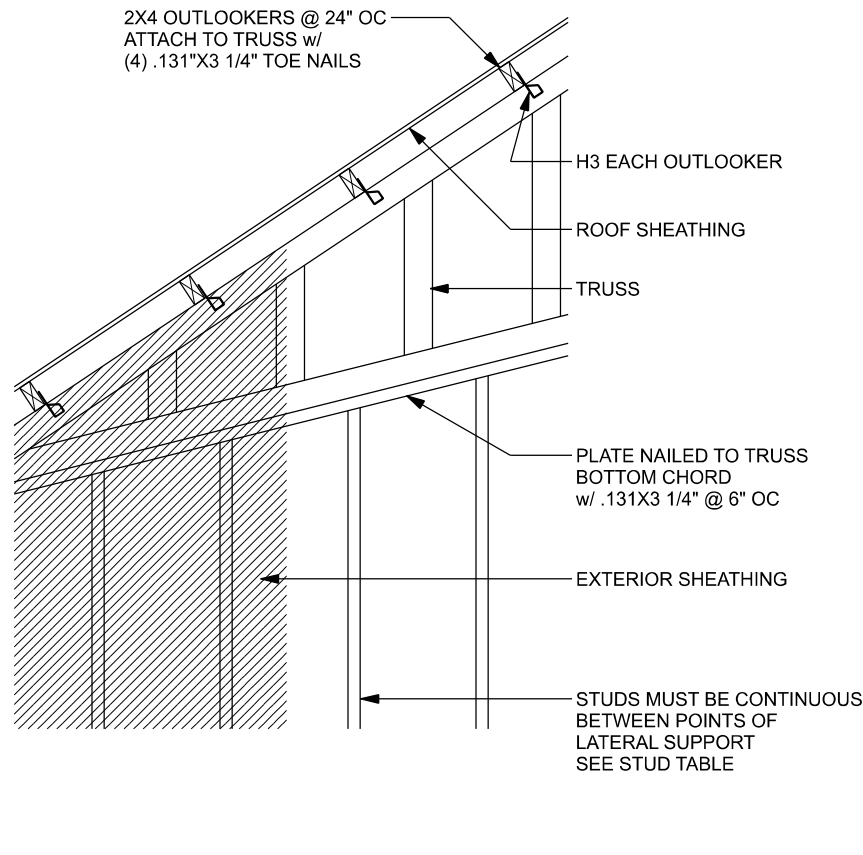


(TYP.) GABLE BRACING DETAIL
WOOD FRAME

SPACE RAT RUN & DIAGONAL BRACE 6'-0" O.C.
FOR GABLE HEIGHT UP TO 25'-0" 130 MPH, EXP. C, ENCLOSED

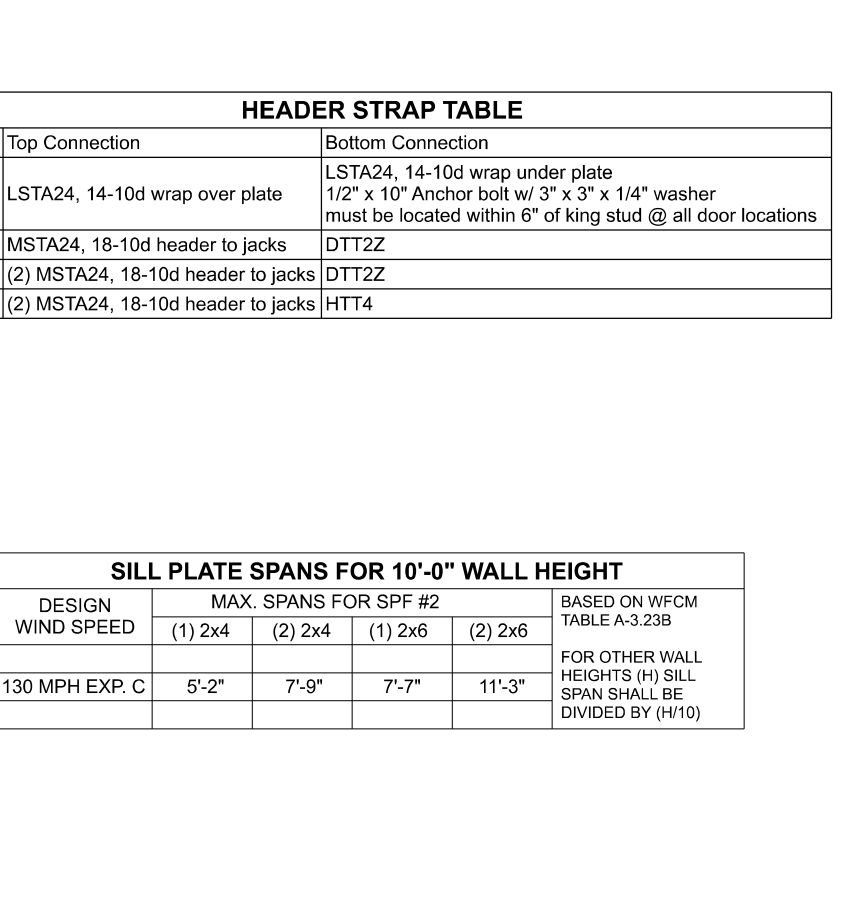


SHEATHING FOR UPLIFT ATTACHMENT DETAILS
ONE STORY WOOD FRAME

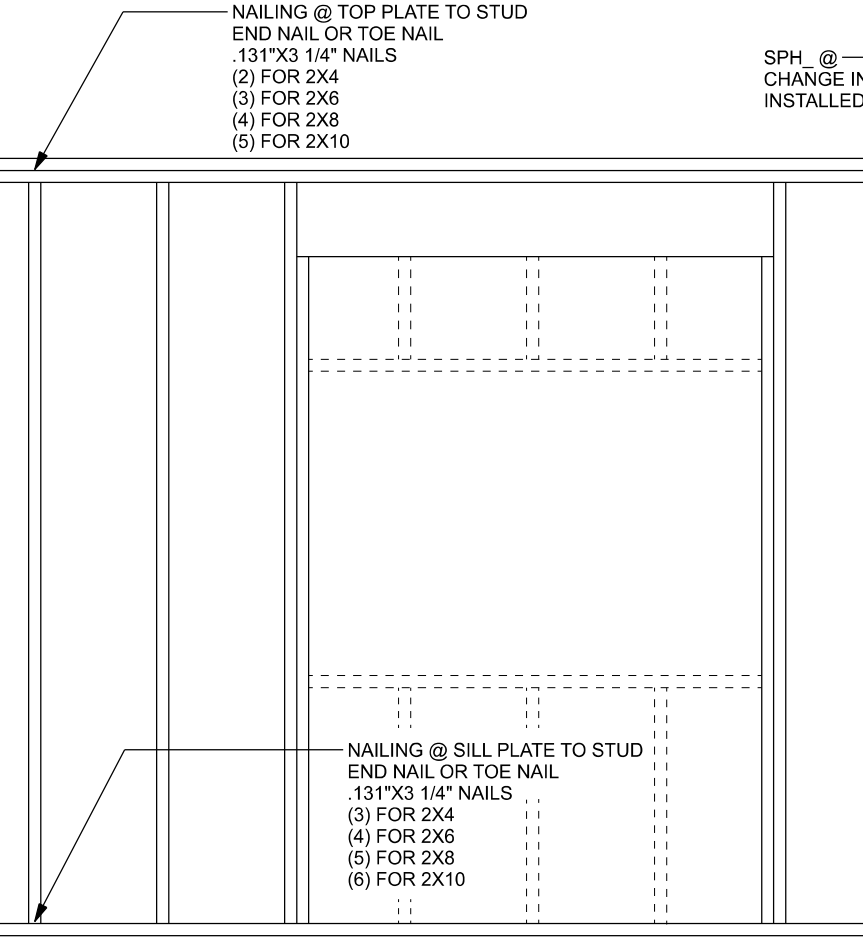


(TYP.) PORCH POST
ONE STORY WOOD

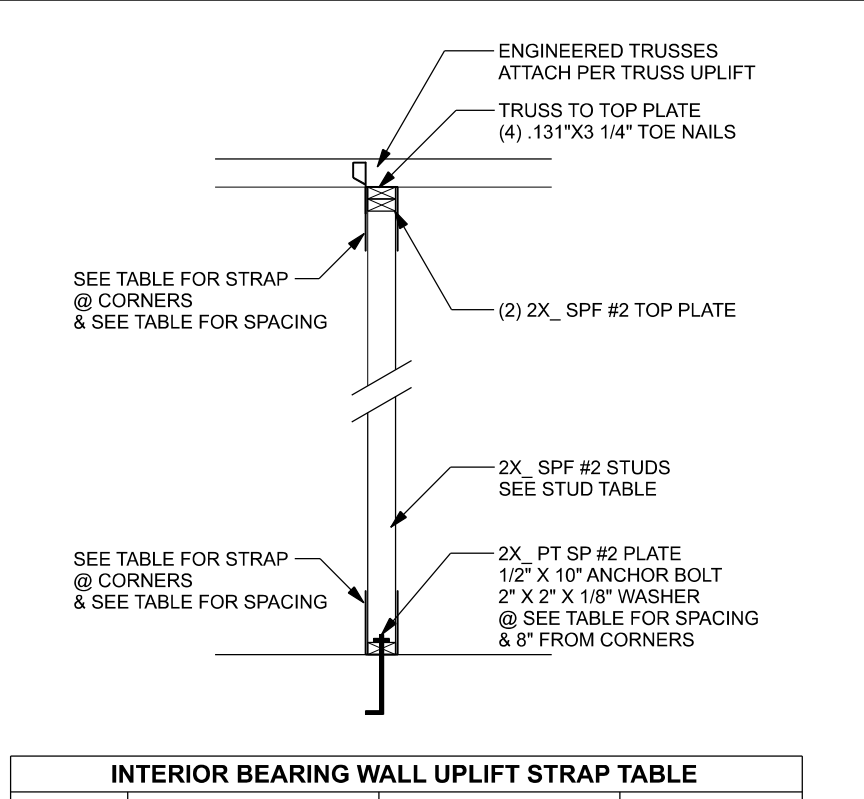
OPTION: 1 (BUCKET)
OPTION: 2 (POCKETED)



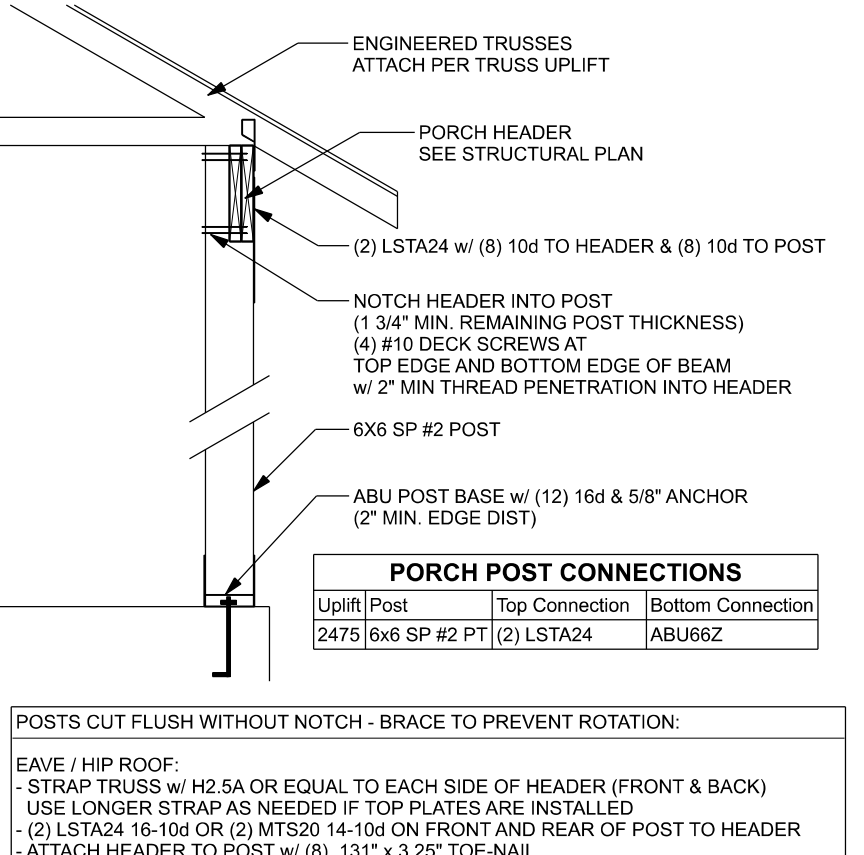
(TYP.) BEAM TO WALL
WOOD FRAME w/ STRAPS & ANCHORS



(TYP.) WALL CONNECTIONS
ONE STORY WOOD FRAME

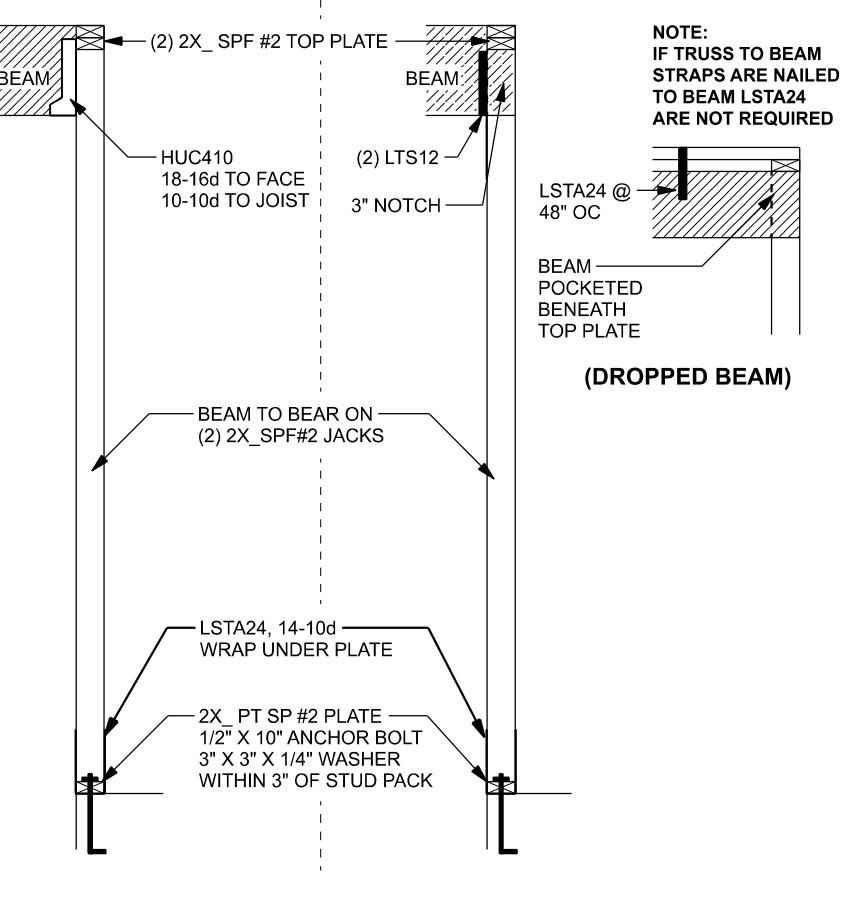


(TYP.) GIRDER TRUSS HOLD DOWN DETAIL
WOOD FRAME w/ STRAPS & ANCHORS

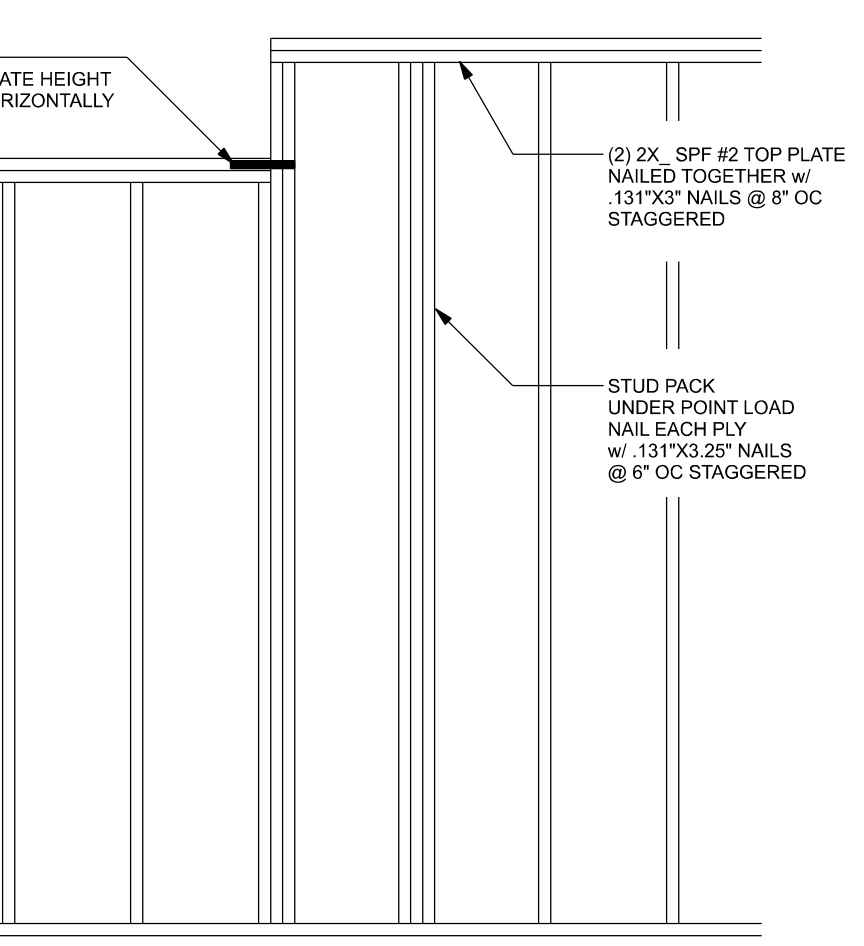


INTERIOR BEARING WALL UPLIFT STRAP TABLE

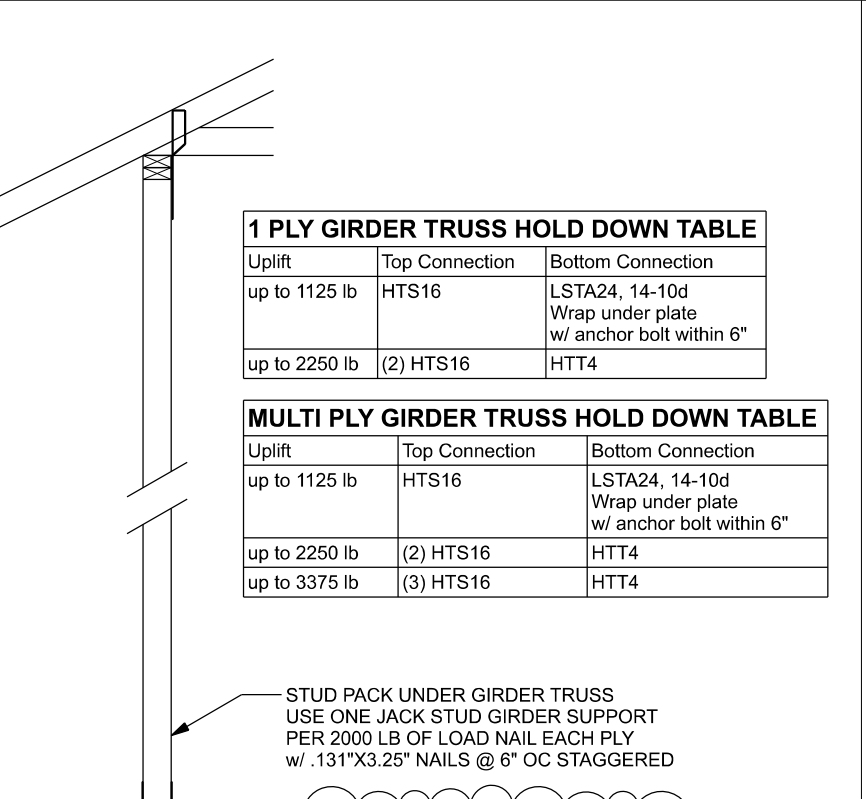
Uplift on wall Top Connection Bottom Connection



SILL PLATE SPANS FOR 10'-0" WALL HEIGHT



DESIGN WIND SPEED

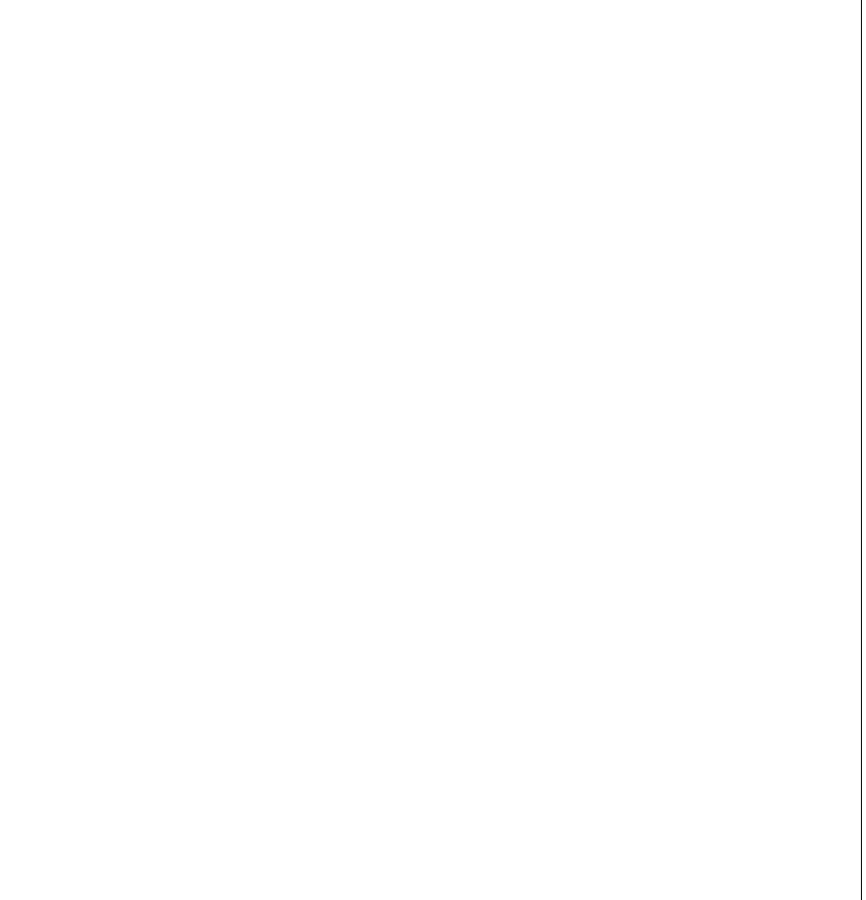


CONNECTOR TABLE

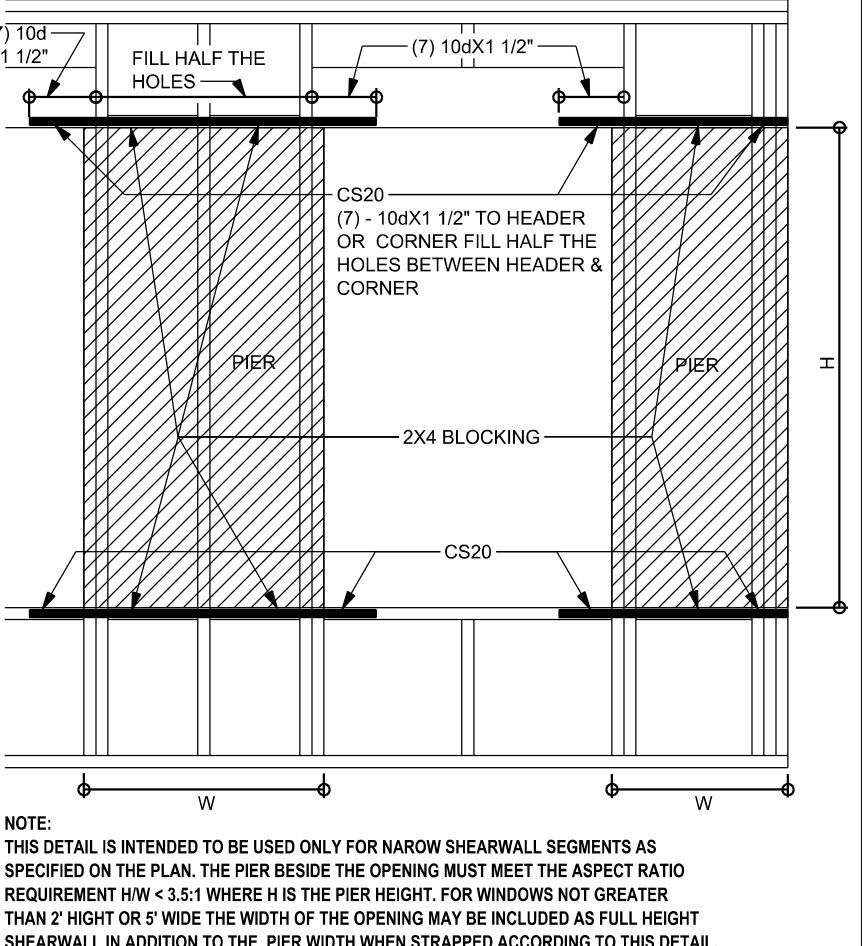


MULTI-PLY GIRDER TRUSS HOLD DOWN TABLE

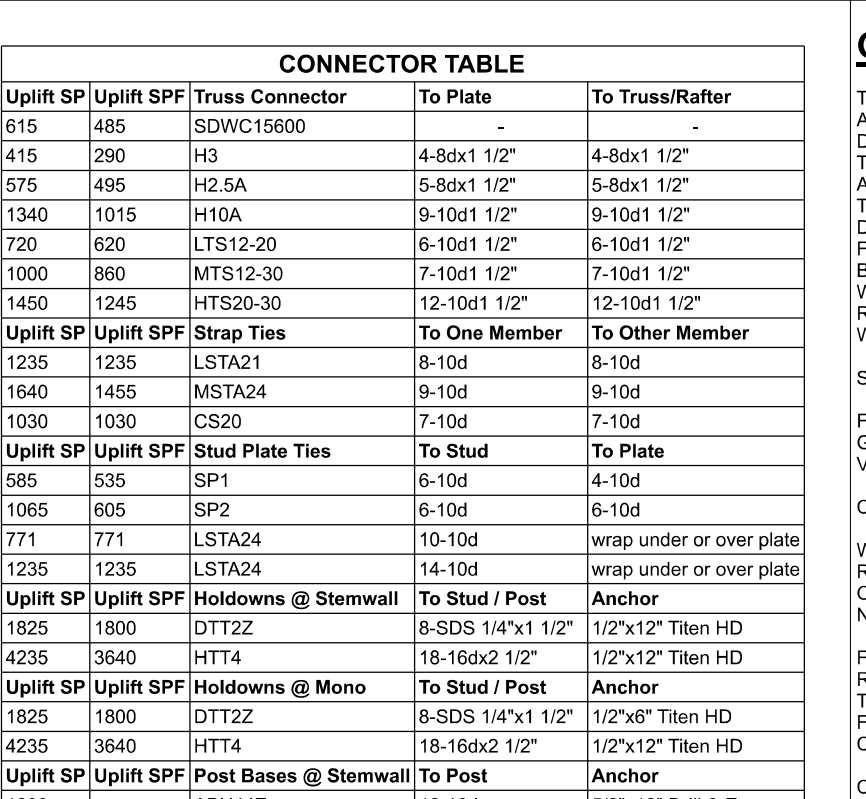
Uplift Top Connection Bottom Connection



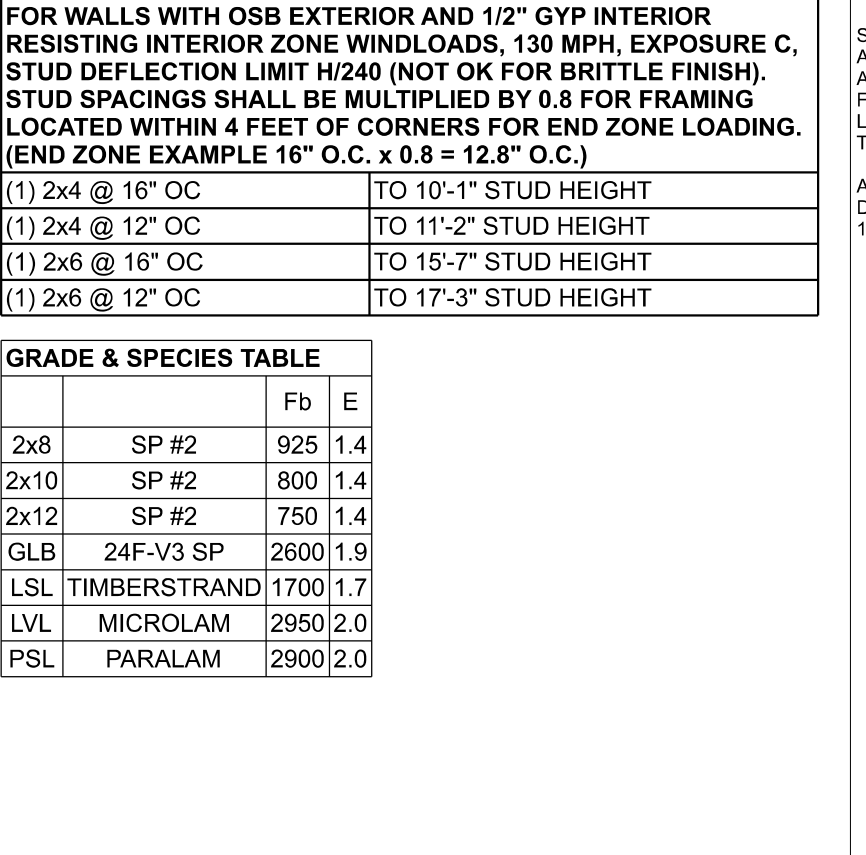
GRADE & SPECIES TABLE



DESIGN CRITERIA & LOADS

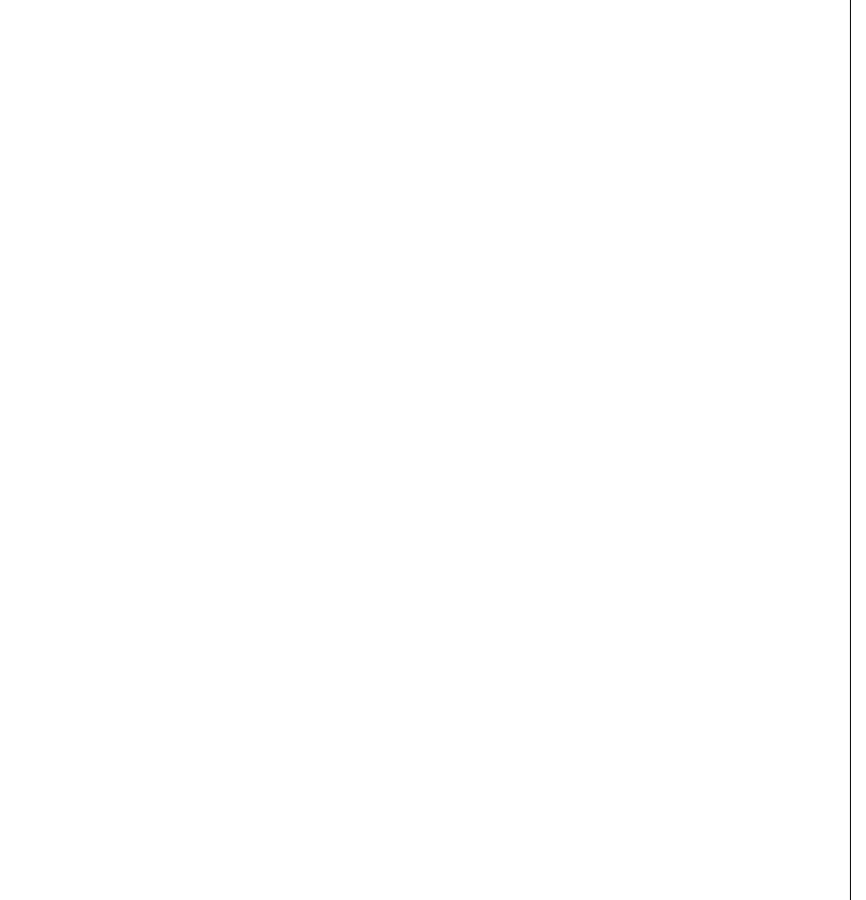


GENERAL NOTES

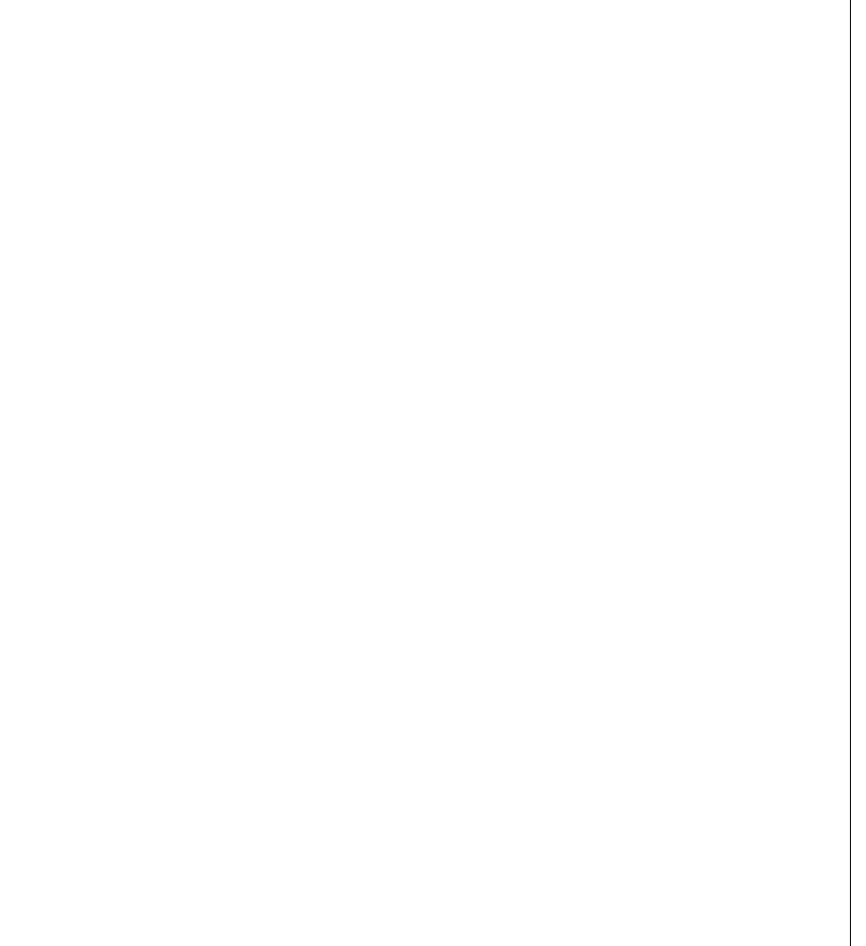


FOUNDATION PREPARATION

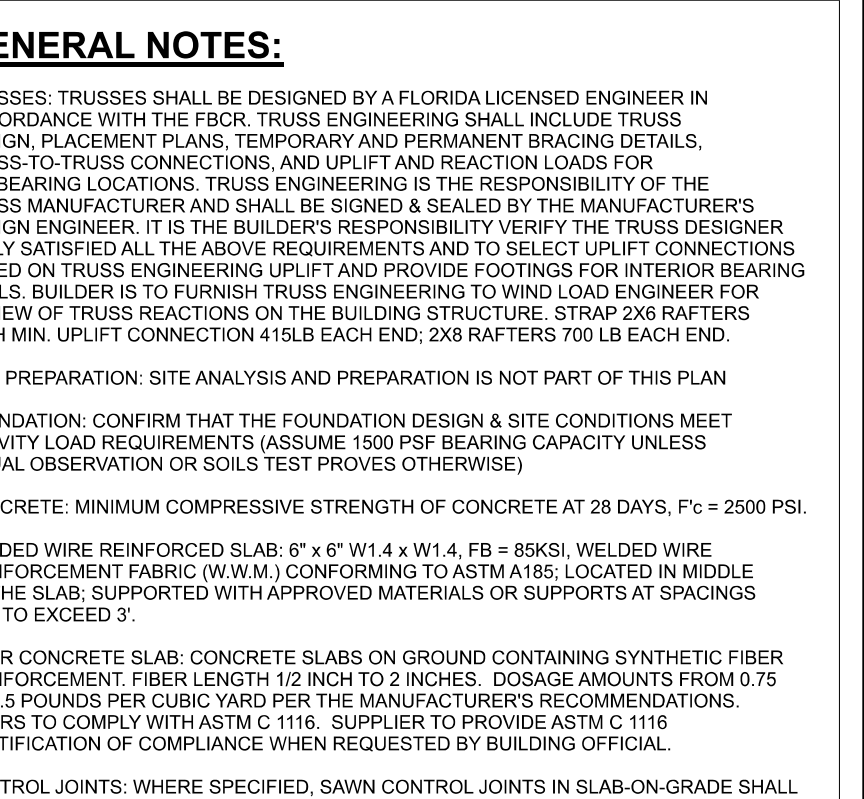
FOUNDATION: CONFIRM THAT THE FOUNDATION DESIGN & SITE CONDITIONS MEET GRAVITY LOAD REQUIREMENTS (ASSUME 1500 PSF BEARING CAPACITY UNLESS VISUAL OBSERVATION OR SOILS TEST PROVES OTHERWISE)



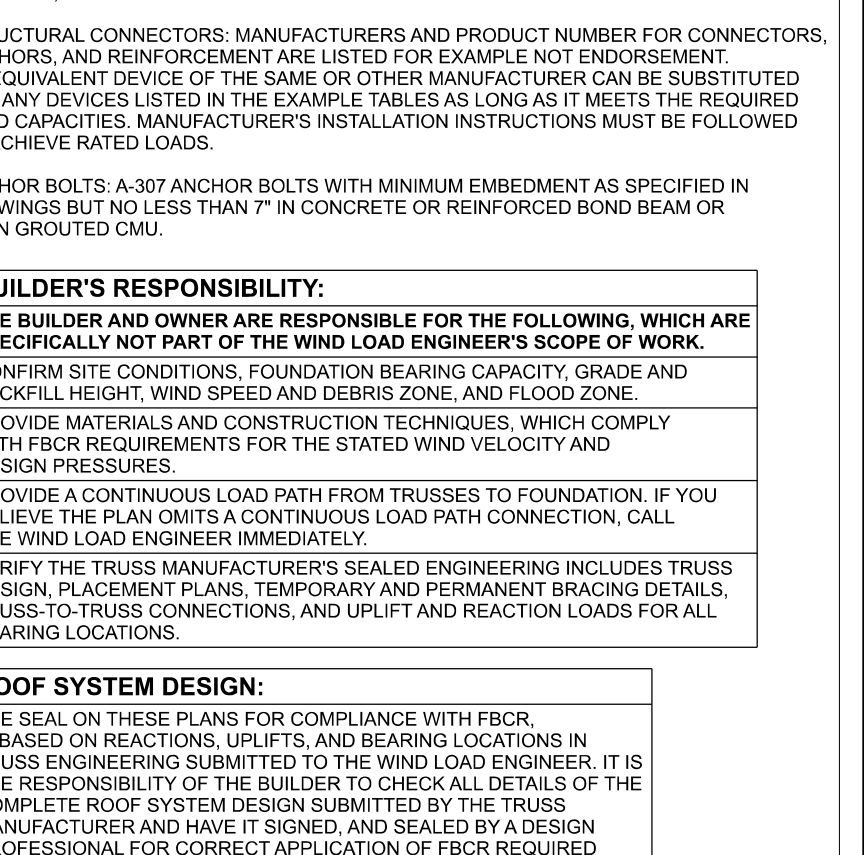
CONCRETE REINFORCEMENT



COMPONENT & CLADDING DESIGN PRESSURES 130 MPH (EXP C)

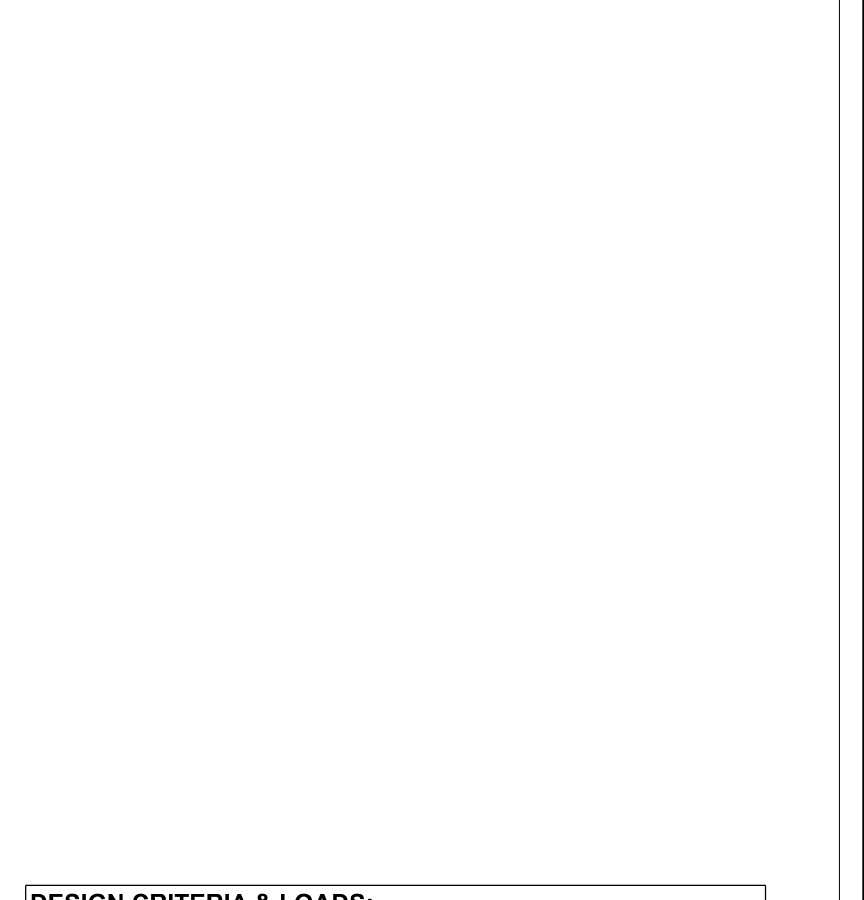


COMPONENT & CLADDING DESIGN PRESSURES 130 MPH (EXP C)

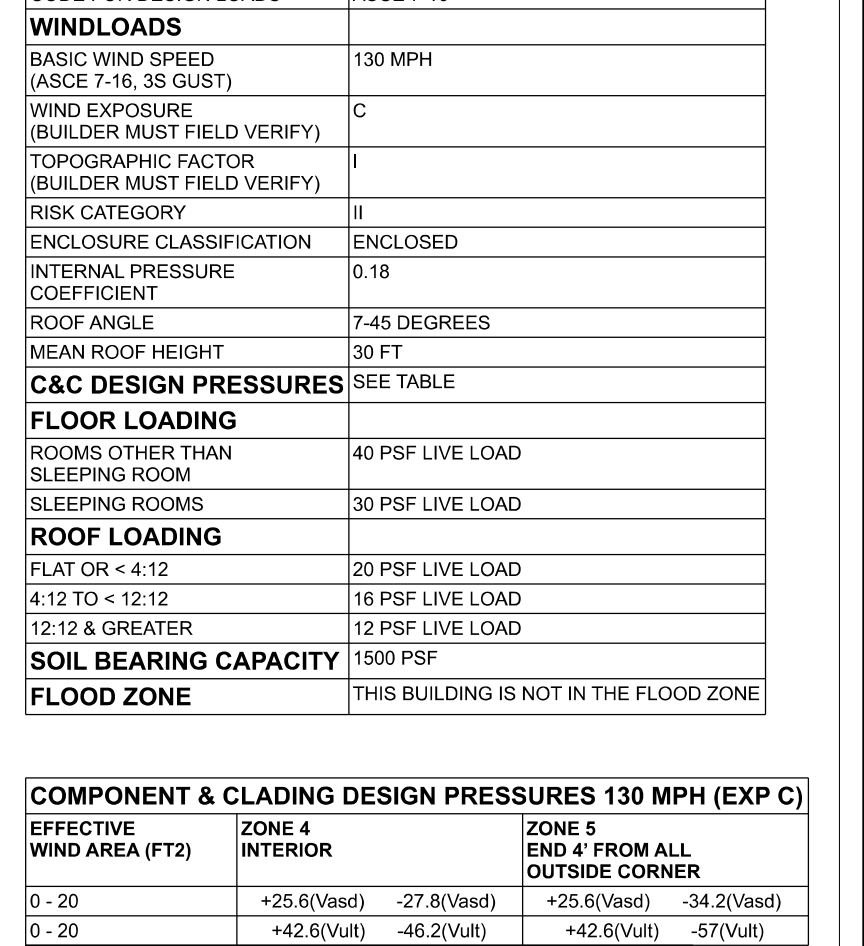


COMPONENT & CLADDING DESIGN PRESSURES 130 MPH (EXP C)

COMPONENT & CLADDING DESIGN PRESSURES 130 MPH (EXP C)



COMPONENT & CLADDING DESIGN PRESSURES 130 MPH (EXP C)



COMPONENT & CLADDING DESIGN PRESSURES 130 MPH (EXP C)

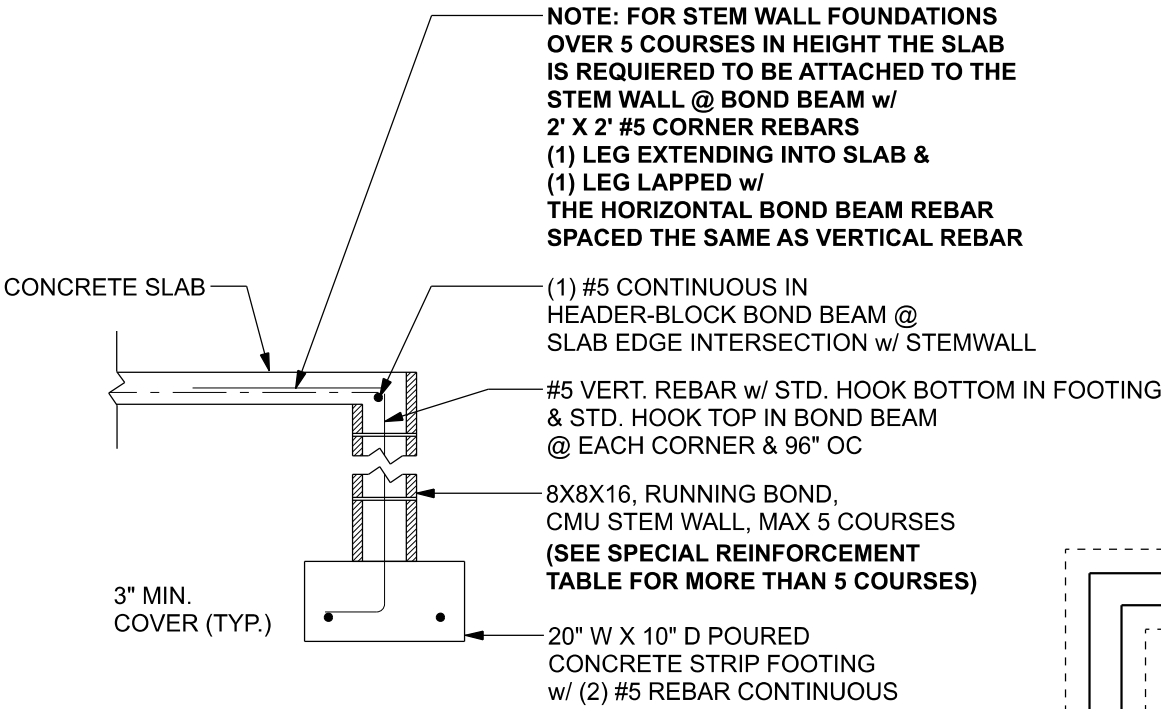
Anitra Builders
Varner Res.
PROJECT ADDRESS:
114 SW Heaton Dr.
Fort White, FL 32039
FL PE 53915
This item has been digitally signed and sealed by Mark Disoway P.E. on digital signature date
Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.
C=US, O=Florida, dnQualifier=A014 10C0000017E97D E07CA000746F0, CN=Mark d Disoway
2023-02-08 10:00:35
DIMENSIONS:
Scaled dimensions supersede scaled dimensions. Refer all questions to Mark Disoway, P.E. for resolution. Do not proceed without clarification.
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CERTIFICATION: I hereby certify that I have examined this plan, and that the applicable portions of the plan, relating to wind engineering comply with the 7th Edition Florida Building Code Residential (2020) to the best of my knowledge.
LIMITATION: This design is valid for one building, at specified location.
Mark Disoway P.E.
163 SW Midtown Place
Suite 103
Lake City, Florida 32025
386.754.5419
disowaydesign@gmail.com
JOB NUMBER:
230132
S-1
OF 3 SHEETS

TALL STEM WALL TABLE:
The table assumes 40 ksi for #5 rebar and 60 ksi for #7 & #8 rebar with 6" hook in the footing and bent 24" into the reinforced slab at the top. The vertical steel is to be placed toward the tension side of the CMU wall (away from the soil pressure, within 2" of the exterior side of the wall). If the wall is over 8' high, add Duowall ladder reinforcement at 16"OC vertically or a horizontal bond beam with 1#5 continuous at mid height. For higher parts of the wall 12" CMU may be used with reinforcement as shown in the table below.

| STEM WALL HEIGHT (FEET) | UNBALANCED BACKFILL HEIGHT | VERTICAL REINFORCEMENT FOR 8" CMU STEM WALL (INCHES O.C.) | | | VERTICAL REINFORCEMENT FOR 12" CMU STEM WALL (INCHES O.C.) | | |
|-------------------------|----------------------------|---|----|----|--|----|----|
| | | #5 | #7 | #8 | #5 | #7 | #8 |
| 3.3 | 3.0 | 96 | 96 | 96 | 96 | 96 | 96 |
| 4.0 | 3.7 | 96 | 96 | 96 | 96 | 96 | 96 |
| 4.7 | 4.3 | 88 | 96 | 96 | 96 | 96 | 96 |
| 5.3 | 5.0 | 56 | 96 | 96 | 96 | 96 | 96 |
| 6.0 | 5.7 | 40 | 80 | 96 | 80 | 96 | 96 |
| 6.7 | 6.3 | 32 | 56 | 80 | 56 | 96 | 96 |
| 7.3 | 7.0 | 24 | 40 | 56 | 40 | 80 | 96 |
| 8.0 | 7.7 | 16 | 32 | 48 | 32 | 64 | 80 |
| 8.7 | 8.3 | 8 | 24 | 32 | 24 | 48 | 64 |
| 9.3 | 9.0 | 8 | 16 | 24 | 16 | 40 | |

MASONRY NOTE:
MASONRY CONSTRUCTION AND MATERIALS FOR THIS PROJECT SHALL CONFORM TO ALL REQUIREMENTS OF "SPECIFICATION FOR MASONRY STRUCTURES" (ACI 530.1/ASCE 6/TMS 602). THE CONTRACTOR AND MASON MUST IMMEDIATELY, BEFORE PROCEEDING, NOTIFY THE ENGINEER OF ANY CONFLICTS BETWEEN ACI 530.1-02 AND THESE DESIGN DRAWINGS. ANY EXCEPTIONS TO ACI 530.1-02 MUST BE APPROVED BY THE ENGINEER IN WRITING.

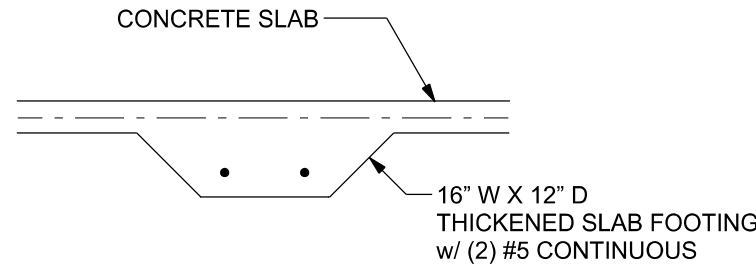
| ACI/530.1-02 Section | Specific Requirements |
|--|---|
| 1.4A Compressive strength | 8" block bearing walls F'm = 1500 psi |
| 2.1 Mortar | ASTM C 270, Type N, UNO |
| 2.2 Grout | ASTM C 476, admixtures require approval |
| 2.3 CMU standard | ASTM C 90-02, Normal weight, Hollow, medium surface finish, 8"x8"x16" running bond and 12"x12" or 16"x16" column block |
| 2.3 Clay brick standard | ASTM C 216-02, Grade SW, Type FBS, 5.5"x2.75"x11.5" |
| 2.4 Reinforcing bars, #3 - #11 | ASTM 615, Grade 40, F_y = 40 ksi. Lap splices min 40 bar dia. (25" for #5) |
| 2.4F Coating for corrosion protection | Anchors, sheet metal ties completely embedded in mortar or grout. ASTM A255, Class S50, 0.60 oz/lb or 304SS |
| 2.4F Coating for corrosion protection | Joint reinforcement in walls exposed to moisture or wire ties, anchors, sheet metal ties not completely embedded in mortar or grout. ASTM A153, Class B2, 1.50 oz/lb or 304SS |
| 3.3.E.2 Pipes, conduits, and accessories | Any not shown on the project drawings require engineering approval. |
| 3.3.E.7 Movement joints | Contractor assumes responsibility for type and location of movement joints if not detailed on project drawings. |



F1 S-2 STEM WALL FOOTING

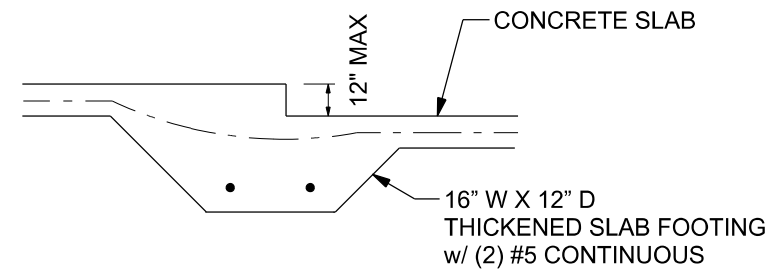
SCALE: 1/2" = 1'-0"

BOTTOM OF EXTERIOR FOOTINGS SHALL BE A MINIMUM OF 12" BELOW UNDISTURBED SOIL OR ENGINEERED FILL



F2 S-2 INTERIOR BEARING FOOTING

SCALE: 1/2" = 1'-0"



F3 S-2 INTERIOR BEARING STEP FOOTING

SCALE: 1/2" = 1'-0"

16" WIDE CMU WALL (2) #5 VERT. @ 32" OC (MAX HEIGHT 48") 28" WIDE X 10" DEEP FOOTING w/ (3) #5 CONTINUOUS

16" WIDE CMU WALL (2) #5 VERT. @ 32" OC (MAX HEIGHT 48") 28" WIDE X 10" DEEP FOOTING w/ (3) #5 CONTINUOUS

FOUNDATION PLAN

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

| FOUNDATION NOTES | |
|------------------|--|
| FN - 1 | DIMENSIONS ON FOUNDATION & STRUCTURAL SHEETS ARE NOT EXACT. REFER TO ARCHITECTURAL PLANS FOR ACTUAL DIMENSIONS, RECESSES IN SLAB, STEP DOWNS, ETC. DISOSWAY DESIGN GROUP OR MARK DISOSWAY, P.E. IS NOT RESPONSIBLE FOR DIMENSION ERRORS ON THIS PLAN. |
| FN - 2 | CONTRACTOR SHALL VERIFY NEED FOR INTERIOR BEARING (IN ALL AREAS BY REVIEWING THE ROOF TRUSS PLAN (BY THE SUPPLIER) BEFORE FINALIZING FOUNDATION PLAN |
| FN - 3 | THE SLAB SHALL BE 4" CONCRETE SLAB REINFORCED w/ 8#5-14" I-4 WELDED WIRE MESH PLACED ON CHAIRS @ 1 1/2" DEPTH OR FIBER MESH CONCRETE, 6-MIL POLY VAPOR BARRIER w/ 6" LAPS SEALED w/ POLY TAPE OVER TERMITE-TREATED & COMPACTED FILL (ALSO, ANY OTHER CODE APPROVED TERMITE-TREATMENT METHOD CAN BE USED INSTEAD) |

Amira Builders

Varner Res.

PROJECT ADDRESS:
114 SW H St
Fort White, FL 32038

FL PE 53915
This item has been digitally signed and sealed by Mark Disosway PE on digital signature date. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

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2023-02-08 10:00:55

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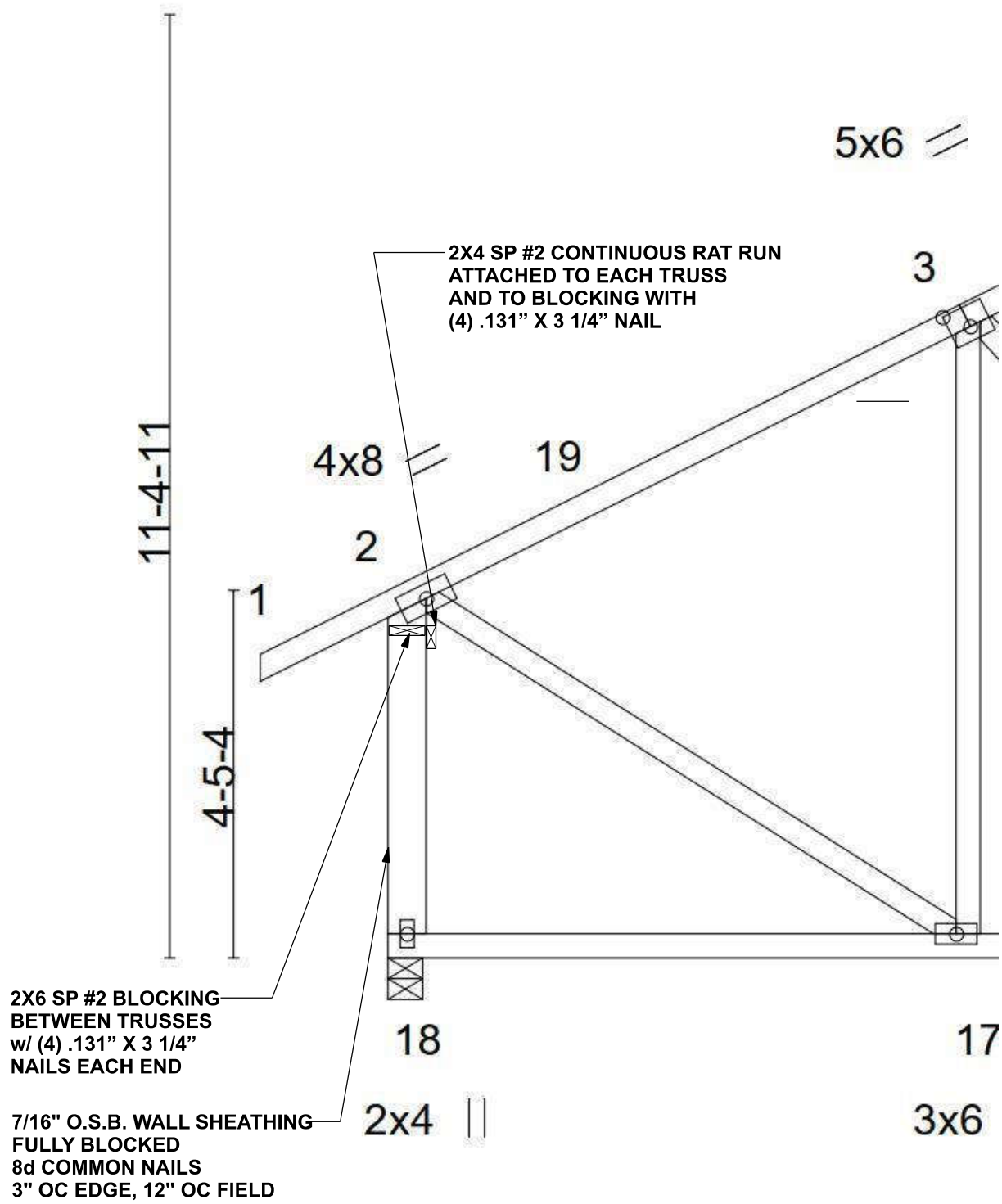
CERTIFICATION: I hereby certify that I have examined this plan, and that the applicable portions of the plan, relating to wind engineering comply with the 7th Edition Florida Building Code Residential (2020) to the best of my knowledge.

LIMITATION: This design is valid for one building, at specified location.

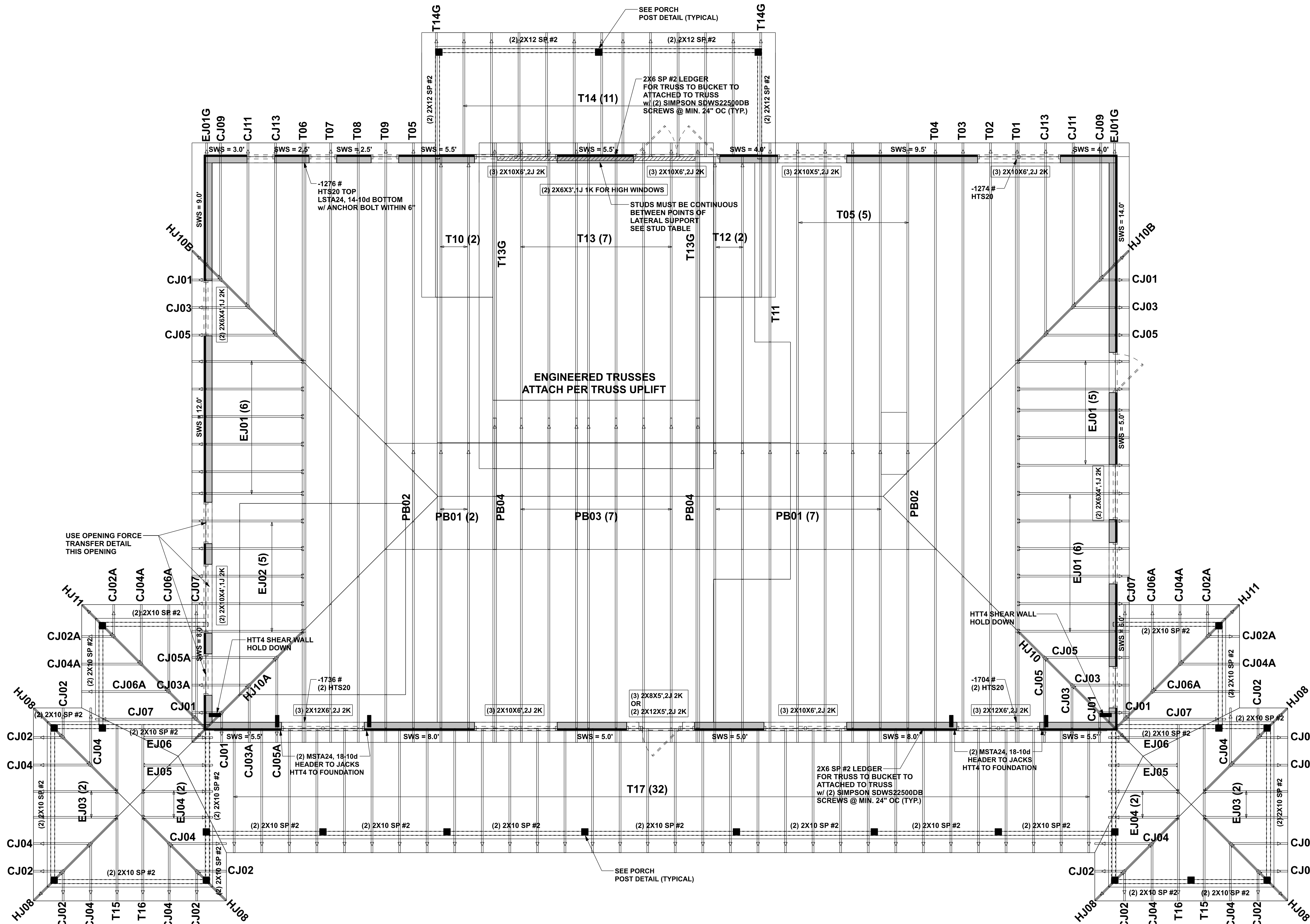
Mark Disosway P.E.
163 SW Midtown Place
Suite 103
Lake City, Florida 32025
386.754.5419
disoswaydesign@gmail.com

JOB NUMBER:
230132

S-2
OF 3 SHEETS



DETAIL @ TRUSSES WITH RAISED HEELS
SCALE: 1/2" = 1'-0"



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

STRUCTURAL PLAN NOTES

- SN-1 DIMENSIONS ON STRUCTURAL SHEETS ARE NOT EXACT. REFER TO ARCHITECTURAL FLOOR PLAN FOR ACTUAL DIMENSIONS
- SN-2 PERMANENT TRUSS BRACING IS TO BE INSTALLED AT LOCATIONS AS SHOWN ON THE SEALED TRUSS DRAWINGS. LATERAL BRACING IS TO BE RESTRAINED PER BCSI-03. BCSI-B1, BCSI-B2, & BCSI-B3. BCSI-B1, BCSI-B2, & BCSI-B3 ARE FURNISHED BY THE TRUSS SUPPLIER, WITH THE SEALED TRUSS PACKAGE

HEADER LEGEND

- (2) 2x6x10' 1J 1K ← HEADER/BEAM CALL-OUT (U.N.O.)
- NUMBER OF KING STUDS EACH SIDE OF OPENING (FULL LENGTH)
- NUMBER OF JACK STUDS EACH SIDE OF OPENING (UNDER HEADER)
- SPAN OF HEADER
- SIZE OF HEADER MATERIAL
- NUMBER OF PLIES IN HEADER

ACTUAL vs REQUIRED SHEARWALL

| | TRANSVERSE | LONGITUDINAL |
|----------|------------|--------------|
| ACTUAL | 18900 LBF | 17640 LBF |
| REQUIRED | 18574 LBF | 11540 LBF |

| UNLESS NOTED OTHERWISE (MINIMUM REQUIREMENTS) | |
|---|--|
| ***SEE STRUCTURAL PLAN FOR ANY SPECIFIC CALL OUTS*** | |
| BEAM / HEADERS (SIZE) | ALL LOAD BEARING FRAME WALL & PORCH HEADERS SHALL BE A MINIMUM OF (2) 2X6 SP #2 (UNO) |
| HEADERS (JACK & KING STUDS) | ALL LOAD BEARING FRAME WALL HEADERS SHALL HAVE (1) JACK STUD & (1) KING STUD EACH SIDE (UNO) |
| HEADERS (STRAPPING) | ALL HEADERS w/ UPLIFT TO BE STRAPPED DOWN @ EACH SIDE WITH (1) LSTA24, 14-10d @ TOP & BOTTOM OF WALL WRAP UNDER BOTTOM PLATE & OVER TOP PLATE 1/2" X 10" ANCHOR BOLT w/ 3" X 3" X 1/4" WASHER MUST BE LOCATED WITHIN 6" OF KING STUD @ ALL DOOR LOCATIONS (U.N.O.) |
| JACK STUDS UNDER GIRDER TRUSS USE ONE JACK STUD GIRDER SUPPORT PER 2000 LB LOAD | |

CONNECTIONS, WALL, & HEADER DESIGN IS BASED ON REACTIONS & UPLIFTS FROM TRUSS ENGINEERING FURNISHED BY BUILDER. BUILDERS FIRST SOURCE JOB #3323964

Amira Builders

Varner Res.

PROJECT ADDRESS:
163 SW Midtown Place
Suite 103
Lake City, FL 32038

FL PE 53915

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CERTIFICATION: I hereby certify that I have examined this plan, and that the applicable portions of the plan, relating to wind engineering comply with the 7th Edition Florida Building Code Residential (2020) to the best of my knowledge.

LIMITATION: This design is valid for one building, at specified location.

Mark Disosway P.E.
163 SW Midtown Place
Suite 103
Lake City, Florida 32025
386.754.5419
disoswaydesign@gmail.com

JOB NUMBER:
230132

S-3

OF 3 SHEETS