

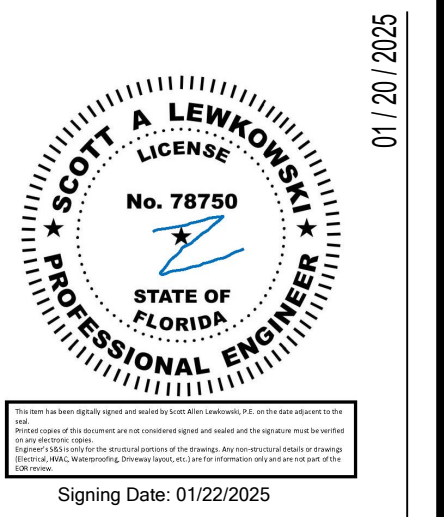
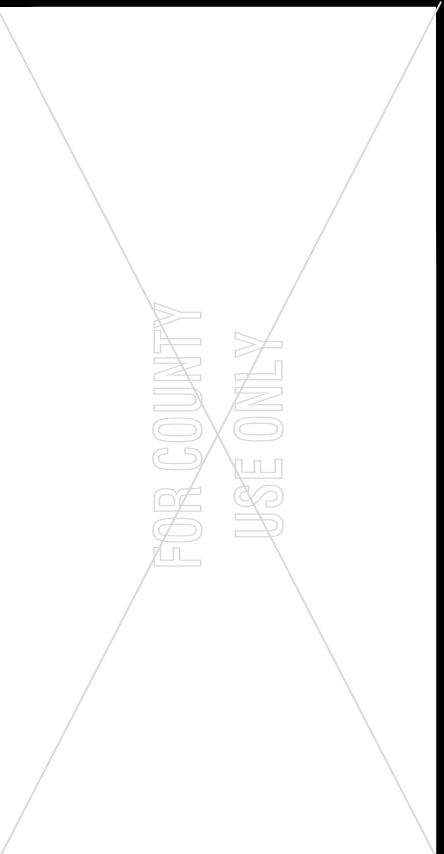
MARONDA

Homes



LIVORNO

Elevation-J



To the best of the Engineer's knowledge, information and belief, the structural plans and specifications contained within these drawings comply with the Florida Building Code 8th Edition (2023) Residential. Engineer's signature and seal is only for the structural engineering portions of the drawing pages bearing Engineer's signature and seal.

CA No. 9161 AA26003115



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(407) 880 2333

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MARONDA
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Sanford, FL 32771
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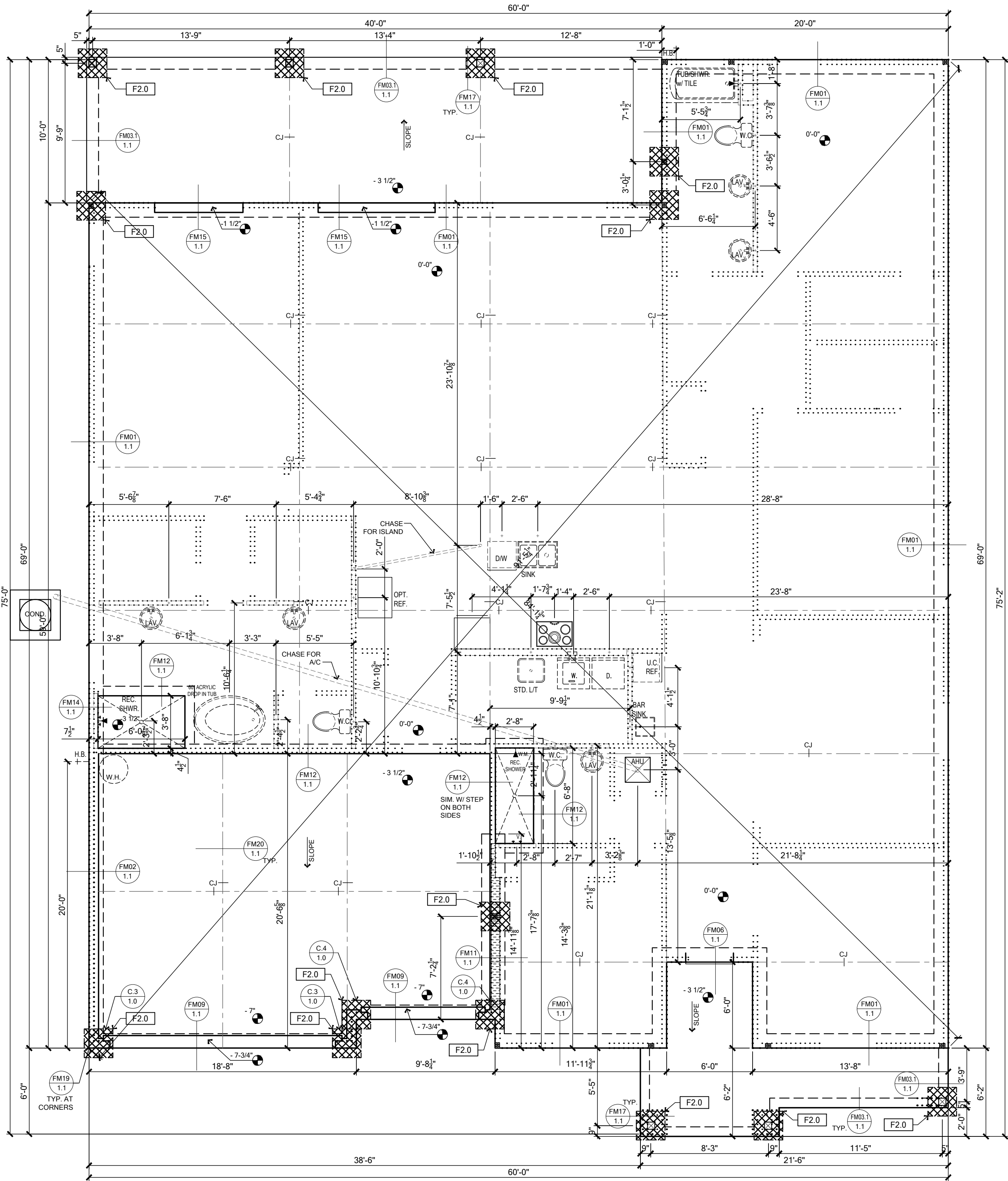
Community:	Forest Cove	Garage Side:	Left
	Plan Name:	Livorno	Elev - J
	Lot:	6	Block:
Address:		TBD SW Cadence Glen Lake City, FL 32024	
JOB no:		9FC00601	
Renaissance Series			

Reference No. 25-00449

Sheet: CS

COVER SHEET

REVISIONS			ABBREVIATIONS				GENERAL NOTES				INDEX			
DATE	MARK	DESCRIPTION	A.B. Anchor Bolt Abv. Above A/C Air-Conditioner ADJ. Adjustable A.F.F. Above Finished Floor A.H.U. Air Handler Unit ALT. Alternate BC Base Cabinet BF Bifold Door Bk Sh BookShelf BLK Block BLW Below Bm. Beam Bot. Bottom B.P. Bypass door BRG. Bearing C Carpet CAB Cabinet Cir. Circle CJ Control Joint CL Coach Light Ctg. Ceiling CMU Concrete Masonry Unit Coff. Coffered or Tray Ceiling Col. Column Comm. Community Comp. Compressor COND Condenser CONN. Connection Cont. Continuous CSMT Casement CT Ceramic Tile D Dryer DB Door Bell Dbl. Double DCF Decorative Cementitious Finish Dec. Decorative Ded. Dedicated (outlet) Dia. Diameter Disp. Disposal Dist. Distance DMF Decorative Masonry Finish D.S. Drawer Stack DTL Detail D.V. Diverter Valve (Plumbing) DV Dryer Vent (Ftr. Ptn.) DW Dishwasher Ea. Each Elec. Electrical Elev. Elevation EQ. Equal E.O. Equal E.W. Each Way	EXP Expansion Ext. Exterior Exp. Expansion FBC Florida Building Code FC Filled Cell F.C.T. Fiber Cement Trim Fdn. Foundation F.G. Fiber Glass FIN Finished Fin. Ftr. Finished Floor FIX Fixed Flr. Floor Flr Sys Floor System F.O.T. Face Of Masonry FP Fireplace FRT Front FR DR French Door Ft. Foot/ Feet Ftg. Footing FXD GL Fixed Glass Galv. Galvanized G.C. General Contractor G.F.C. Ground Fault Interrupter GT Girder Truss Gyp. Bd. Gypsum Board HB Hose Bib HC Hollow Core Hdr. Header Hgt. Height H.H. Hand Held HORIZ Horizontal HS Hard Surface Flr. ILO In Lieu Of Insul. Insulation Int. Interior K/Wall Kneewall KS Knee Space Laun. Laundry Lav. Lavatory LF Linear Flr. LL Lintel Length LT Laundry Tub Mas. Masonry Max. Maximum MC Medicine Cabinet Mfr. Manufacturer	MGT Management Micro. Microwave Min. Minimum ML Microlam Mir. Mirror Mono Monolithic N.T.S. Not to Scale O.E. Owner's Entry OHGD Overhead Garage Door Opn'g. Opening Opt. Optional Pc. Piece PC Pull Chain Ped. Pedestal PH Phone Pkt. Pocket PL Parallel PLF Pounds per linear foot Plt. Ht. Plate Height Plt. Sh. Plant Shelf PSF Pounds per square foot PT Pressure Treated PW Picture Window Pwd. Powder Room P.W. Pre-wire RA Return Air Rad. Radius RAG Return Air Grill Rec. Recessed Recept. Receptacle Ref. Refrigerator REINF Reinforcing Req'd. Required Rm. Room Rnd. Round R.P. Rough Opening R/S Rod and Shelf SC Solid Core SD Smoke Detector SGD Sliding Glass Door Sh. Shelves SHT Sheet Shwr. Shower S.C. Side Lights SPECS Specifications SPF Spruce Pine Fir	Sq. Square Sq Ft Square Ft. STO Storage S.W. Shear Wall SYP Southern Yellow Pine TB Towel Bar Temp. Tempered Thick'n. Thicken T.O.F. Top of Block T.O.M. Top of Masonry T.O.P. Top of Plate TP Toilet Paper Holder TR Towel Ring Trans. Transom Window TS Transition Strip Typ. Typical U.C. Under Counter UCL Under Cabinet Lighting U.N.O. Unless Noted Otherwise V Vanity VB Vanity Base Vert. Vertical VL Versalam VTR Vent through Roof/Exterior W Washer w/ With W.A. Wedge Anchor WC Water Closet Wd Wood WDW Window WDW HDR Window Header W.H. Water Heater W.I.C. Walk-in Closet WM Wall Mounted WP Water Proof WS Water Softener WWMF Welded Wire Mesh/Fiber	1. All exterior walls shall be assumed to be load bearing. See plans for load bearing wall requirements. 2. Window and door suppliers shall provide rough opening info which shall have precedence over the plan. 3. Cabinet Mfrs. shop drawings shall have precedence over the interior cabinet elevations shown. 4. Do not scale plans, dimensions are to be followed as noted. If plans are printed on 11x17 then listed scale is 1/2 as noted. 5. All glass located in hazardous locations shall comply with section R308.4 of the Florida Building Code 8th edition (2023). 6. Dryer vents to be placed behind the dryer location and the maximum allowable exhaust duct length shall be determined by one of the methods specified in sections M1502.4.5.1 through M1502.4.5.3. 7. If water based ceiling texture material is used, provide 1/2" gypsum board for 16" o.c. framing, or 5/8" gypsum board for 24" o.c. framing. note: 1/2" sag-resistant gypsum board may be used i.l.o. of 5/8" gypsum board. 8. Openings from a private garage directly into a room used for sleeping purposes shall not be permitted. Doors between garage and residence shall be equipped with solid doors not less than 1 3/8" in thickness, solid or honeycomb-core steel doors not less than 1 3/8" thick, or 20-minute fire-rated doors. 9. Ducts in the garage and ducts penetrating the walls or ceilings separating the dwelling from the garage shall be constructed of a minimum No. 26 gage (0.48 mm) sheet steel, 1 inch minimum rigid nonmetallic class 0 or class1 duct board, or other approved material and shall have no openings into the garage. Other penetrations shall be protected as required by section R302.11. 10. The garage shall be separated from the dwelling as per the following: • From the Residence & Attics - Not Less than 1/2" Gyp. Bd. or equivalent applied to garage side. • From Habitable Rooms Above Garage - Not Less than 5/8" Type-X Gyp. Bd. or equivalent. • Structure(s) Supporting Floor/Ceiling Assemblies - Not Less than 1/2" Gyp. Bd. or equivalent. • Garages Located Less Than 3 Feet From Dwelling On The Same Lot - Not Less than 1/2" Gyp. Bd. or equivalent applied to the interior side of exterior walls that are within this area. 11. Code references are summaries of code sections. See FBCR (current edition) for complete code information. 12. Energy Code Compliance Path is Performance Based path. The Code Cycle is FBC 8th Edition (2023).	DRAWING INDEX						
Sheet No.		SHEET TITLE		Sheet No.		SHEET TITLE								
CS		Cover Sheet												
1.0		Foundation Plan												
1.1		Foundation Details												
2.0		1st Floor Plan												
3.0		Elevations: Front & Left												
3.1		Elevations: Rear & Right												
4.0		Building Section												
5.0		Framing Plan												
5.1		Strapping Plan												
6.0		Interior Elevations												
7.0		1st Floor Electrical Plan												
8.0		Ceiling Plan												
SN		Structural Notes												
WS-S1		Details												
WS-S2		Details												
SD-1		Details												
WP		Waterproofing												



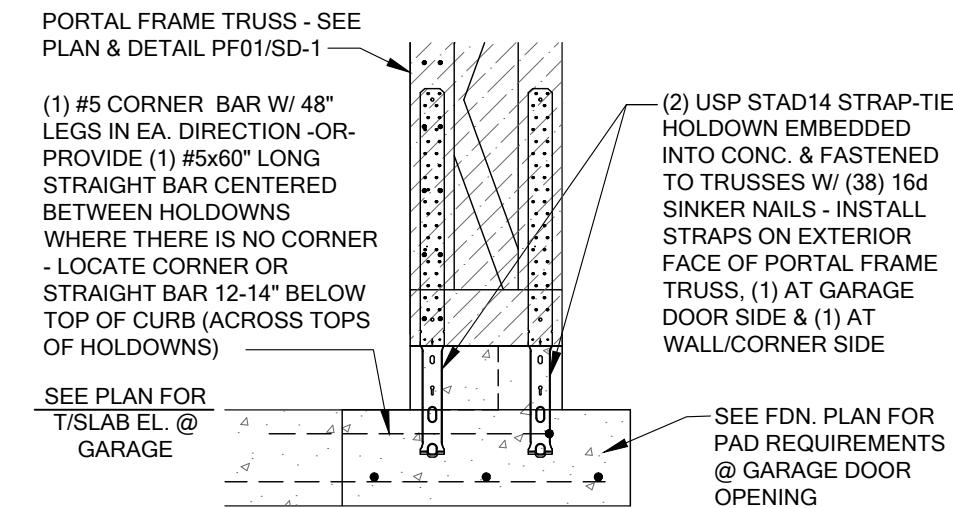
TERMITE SPECIFICATIONS:

SECTION R318 PROTECTION AGAINST TERMITES

GIVEN THAT STRUCTURE IS LOCATED IN A VERY HEAVY TERMITE INFESTATION AREA, TERMITE PROTECTION SHALL BE PROVIDED BY REGISTERED TERMITICIDES, INCLUDING SOIL APPLIED PESTICIDES, BAITING SYSTEMS, AND PESTICIDES APPLIED TO WOOD, OR OTHER APPROVED METHODS OF TERMITE PROTECTION LABELED FOR USE A PREVENTIVE TREATMENT TO NEW CONSTRUCTION (SEE SECTION 202, REGISTERED TERMITICIDES). UPON COMPLETION OF THE APPLICATION OF THE TERMITE PROTECTIVE TREATMENT, A CERTIFICATE OF COMPLIANCE SHALL BE ISSUED TO THE BUILDING DEPARTMENT BY THE LICENSED PEST CONTROL COMPANY THAT CONTAINS THE FOLLOWING STATEMENT: "THE BUILDING HAS RECEIVED A COMPLETE TREATMENT FOR THE PREVENTION OF SUBTERRANEAN TERMITES. TREATMENT IS IN ACCORDANCE WITH RULES AND LAWS ESTABLISHED BY THE FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES."

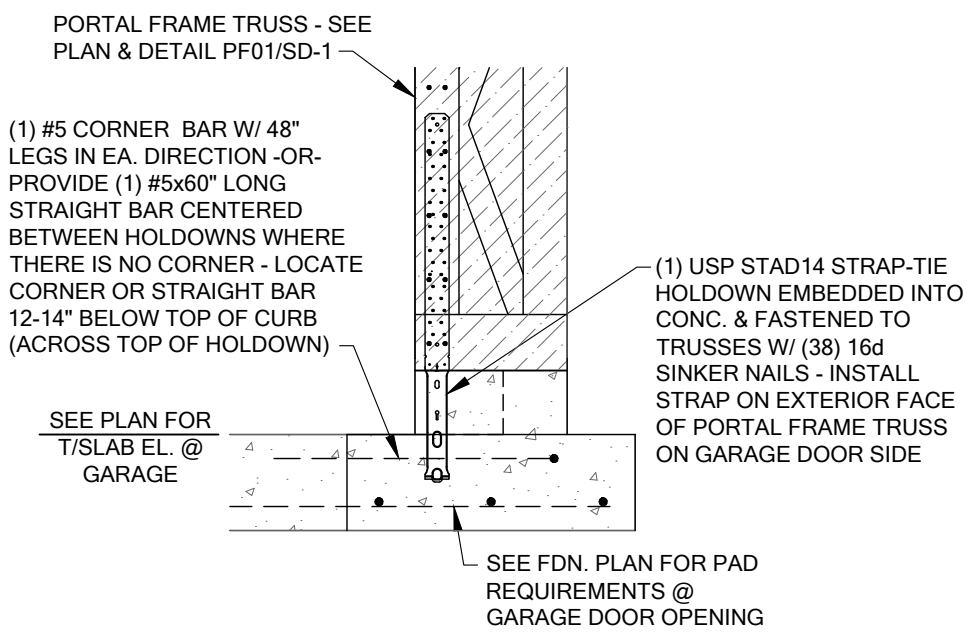
NOTE:

- METHOD OF TREATMENT SHALL BE APPROVED BY THE GOVERNING JURISDICTION "LIQUID BORATE OR BORA-CARE" PRODUCT METHODS MUST BE DETERMINED AT PERMIT STAGE AND PRODUCT APPROVAL DATA MUST BE ON FILE WITH THE BUILDING DEPARTMENT.
- PRESSURE TREATED LUMBER THAT HAS BEEN CUT OR DRILLED THAT EXPOSES UNTREATED PORTIONS OF WOOD ARE REQUIRED TO BE FIELD TREATED TO PREVENT INSECT INFESTATION.
- OPTIONAL BORATE APPLIED TO ALL FRAME MEMBERS MIN. 24" A.F.F.



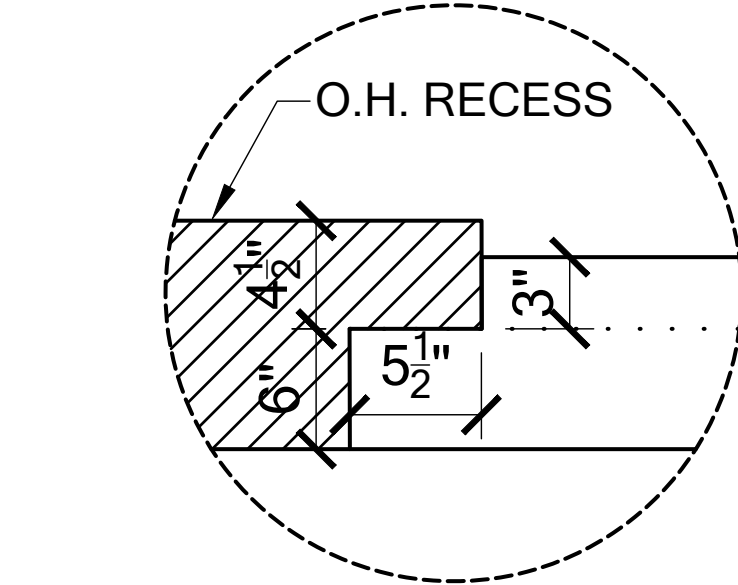
PORTAL FRAME BASE CONNECTOR DETAIL (2 STRAPS)

SCALE: N.T.S.
REFER TO DETAIL PF01/SD-1 FOR MORE INFO.



PORTAL FRAME BASE CONNECTOR DETAIL (1 STRAP)

SCALE: N.T.S.
REFER TO DETAIL PF01/SD-1 FOR MORE INFO.



GARAGE DOOR CURB DETAIL

SCALE: N.T.S.

FOUNDATION PLAN

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

FOUNDATION SCHEDULE				
MARK	SIZE	DEPTH	REINFORCING	GRAVITY CAP. [lbs]
F2.0	2'-0" x 2'-0"	1'-0"	2 #5 E.W. BOT.	7200
F2.5	2'-6" x 2'-6"	1'-0"	3 #5 E.W. BOT.	11000
F3.0	3'-0" x 3'-0"	1'-0"	4 #5 E.W. BOT.	15600

- FOUNDATION DEPTH NOTE:
- INTERIOR PAD DEPTHS AS LISTED IN THE SCHEDULE ARE THE TOTAL DEPTH AND MEASURED FROM THE TOP OF THE SLAB.
 - EXTERIOR PAD DEPTHS AS LISTED IN THE SCHEDULE ARE TOTAL DEPTH WITH THE BOTTOM OF THE FOOTING TO MATCH THE BOTTOM OF THE CONTINUOUS MONOLITHIC POUR WHICH RUNS THROUGH IT.

- GENERAL FOUNDATION NOTES**
- PROVIDE MIN. 6 MIL. APPROVED VAPOR BARRIER. ALL JOINTS TO BE LAPPED MIN. 6" AND SEALED.
 - 3-1/2" 2500 PSI CONC. SLAB W/ 6X6 10/10 WWF, OR FIBERMESH /FIBERMIX ADDED TO THE CONCRETE. IN ACCORDANCE W/ MANUF'S INSTRUCTIONS AND NER-284 FOR FIBERMESH OR NER-414 FOR FIBERMIX, OVER 6 MIL. VISQUEEN VAPOR BARRIER & TREATED FOR TERMITES.
 - CONSULT W/ MANUFACTURER SPECIFICATIONS PRIOR TO POURING OR RECESSING DOOR SILLS OR SLIDING GLASS DOOR SILLS.
 - EXTERIOR SLABS SHALL SLOPE MIN. 2% OR 1/4" PER FOOT AWAY FROM HOUSE U.N.O. ON PLAN.
 - CONTROL JOINTS (IF SHOWN) ARE NOT REQUIRED BY CODE BUT ARE SUGGESTED (ESPECIALLY WHEN USING FIBER REINF. CONCRETE OR IN EXTERIOR CONDITIONS). CONTROL JOINTS TO BE 1/8" SAW CUT A DEPTH OF 1/4 OF THE THICKNESS OF THE SLAB. FILL CUT W/ APPROVED JOINT MATERIAL OR USE ALTERNATE APPROVED METHOD.
 - NO WOOD STAKES PERMITTED IN FOUNDATION.
 - MINIMUM LAP SPICE FOR ALL FOUNDATION REINFORCING SHALL BE 25". SEE DETAIL FM19/1.1 FOR REINFORCING DETAIL AT FOUNDATION CORNER.
 - PENDING SITE CONDITIONS, FOUNDATION MAY HAVE TO BE STEPPED DOWN. SEE FM18 ON SHEET 1.1 FOR ADDITIONAL INFORMATION. G.C. TO DETERMINE STEP LOCATIONS IF REQUIRED.
 - ANY EQUIPMENT AND/OR APPLIANCES HAVING AN IGNITION SOURCE SHALL BE ELEVATED A MIN. OF 18". CONTRACTOR TO PROVIDE SUCH PLATFORM W/ EITHER MASONRY OR WOOD CONSTRUCTION.
 - ASSUMED ALLOWABLE SOIL BEARING PRESSURE AFTER COMPACTION: 2000PSF (SEE SOILS REPORT AND SPECIFICATION FOR COMPACTION REQUIREMENTS.) IF SOIL CONDITIONS IN THE PROJECT DO NOT MEET OR EXCEED THE CAPACITY, THE GENERAL CONTRACTOR SHALL CONTACT THE ENGINEER PRIOR TO FOUNDATION POUR FOR VERIFICATION OF FOUNDATION DESIGN. SOIL TO BE FREE OF ORGANIC MATERIAL AND COHESIVE SOILS. COMPACTED IN 12" LIFTS TO AT LEAST OF 95% OF MAX. DRY DENSITY AS DETERMINED BY ASTM1557 (MODIFIED PROCTOR). THE FOUNDATION SIZES INDICATED IN THESE PLANS HAVE BEEN DESIGNED FOR AN ASSUMED MINIMUM ALLOWABLE SOIL BEARING PRESSURE OF 2,000 PSF.

FOUNDATION LEGEND	
	- INDICATES SINGLE-STORY WALL FOUNDATION
	- INDICATES TWO-STORY WALL FOUNDATION
	- INDICATES CONCRETE PAD FOUNDATION

NOTE:
PRIOR TO COMMENCING FOOTER VERIFY WASTE SYSTEM DRAIN LOCATION WITH PLUMBING CONTRACTOR.
SEE DETAIL FM23/1.1 FOR STEM WALL FOUNDATION PENETRATIONS.

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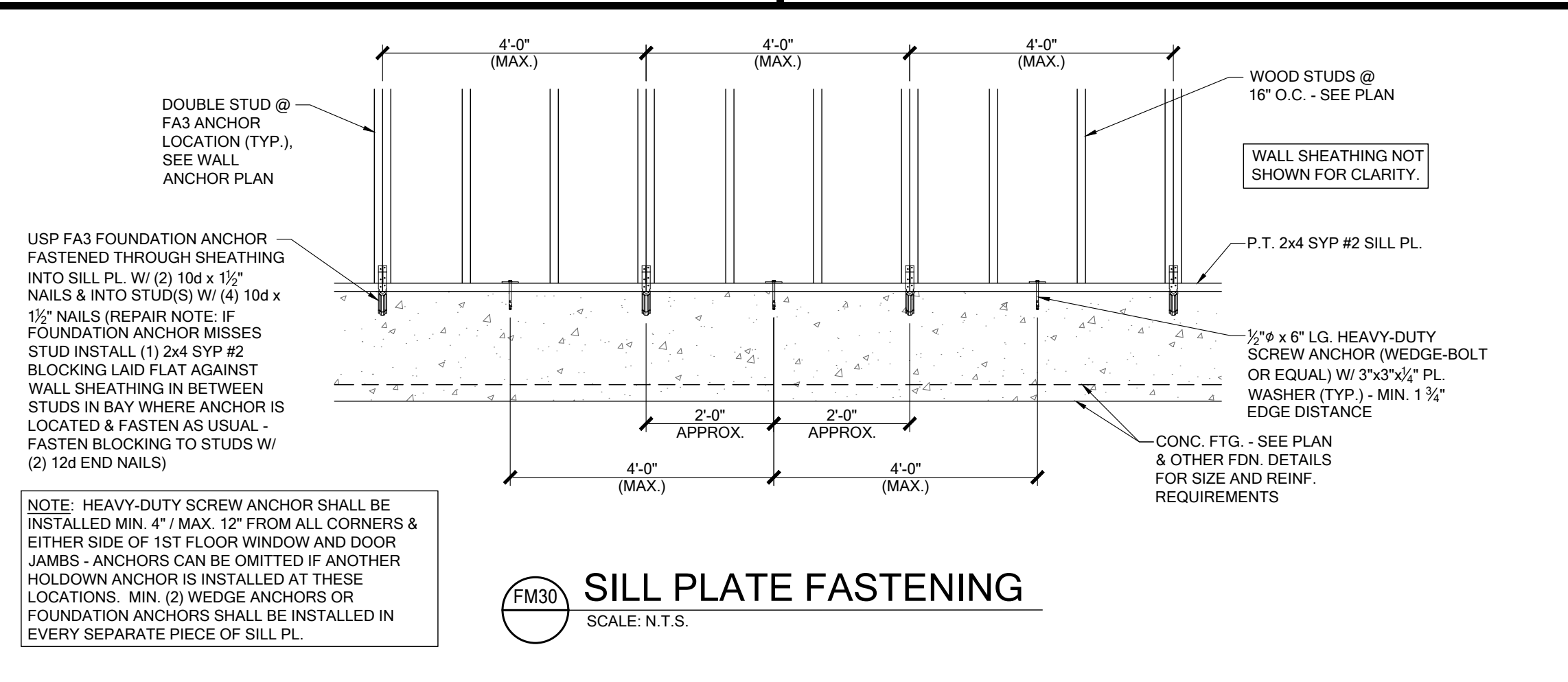
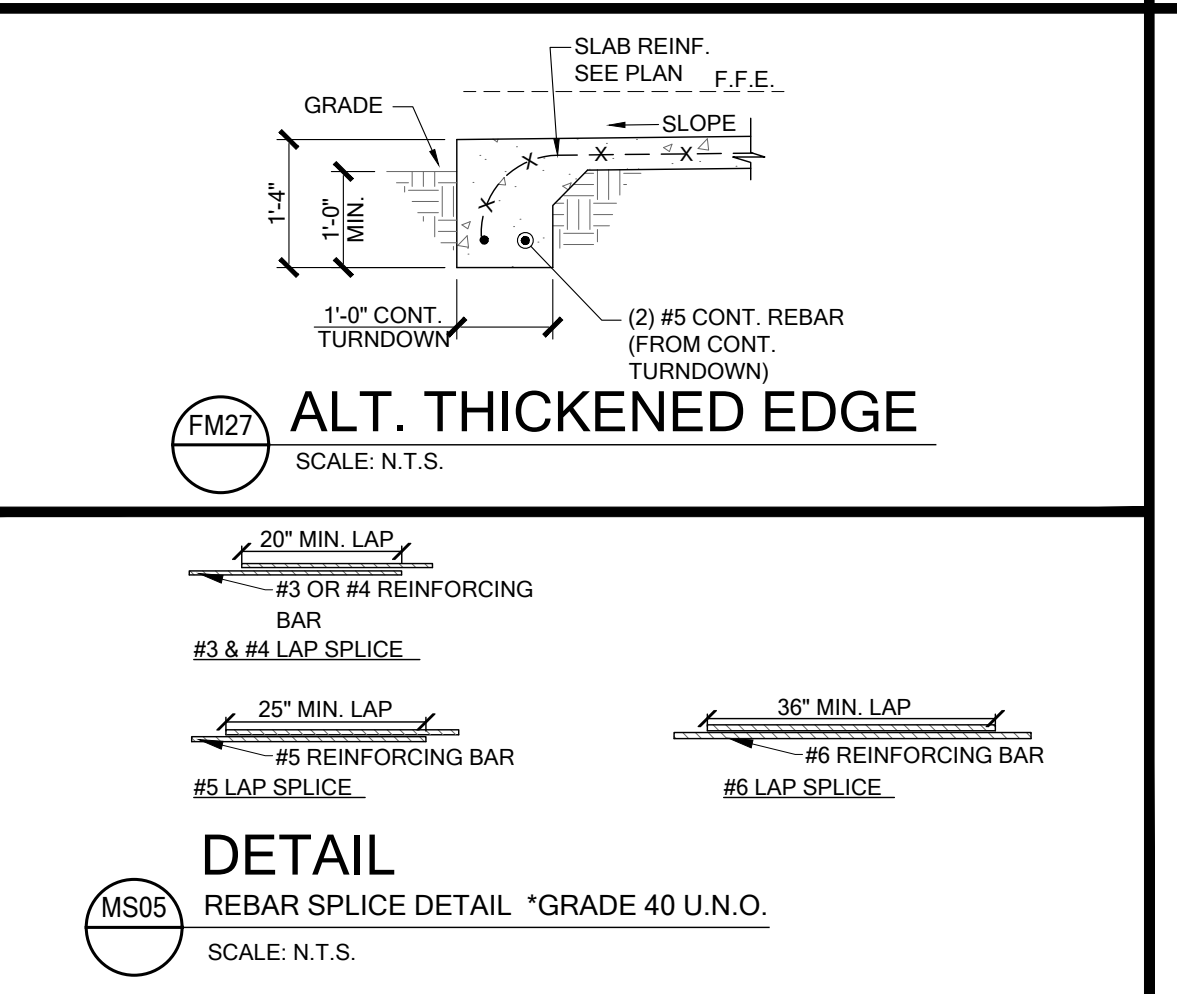
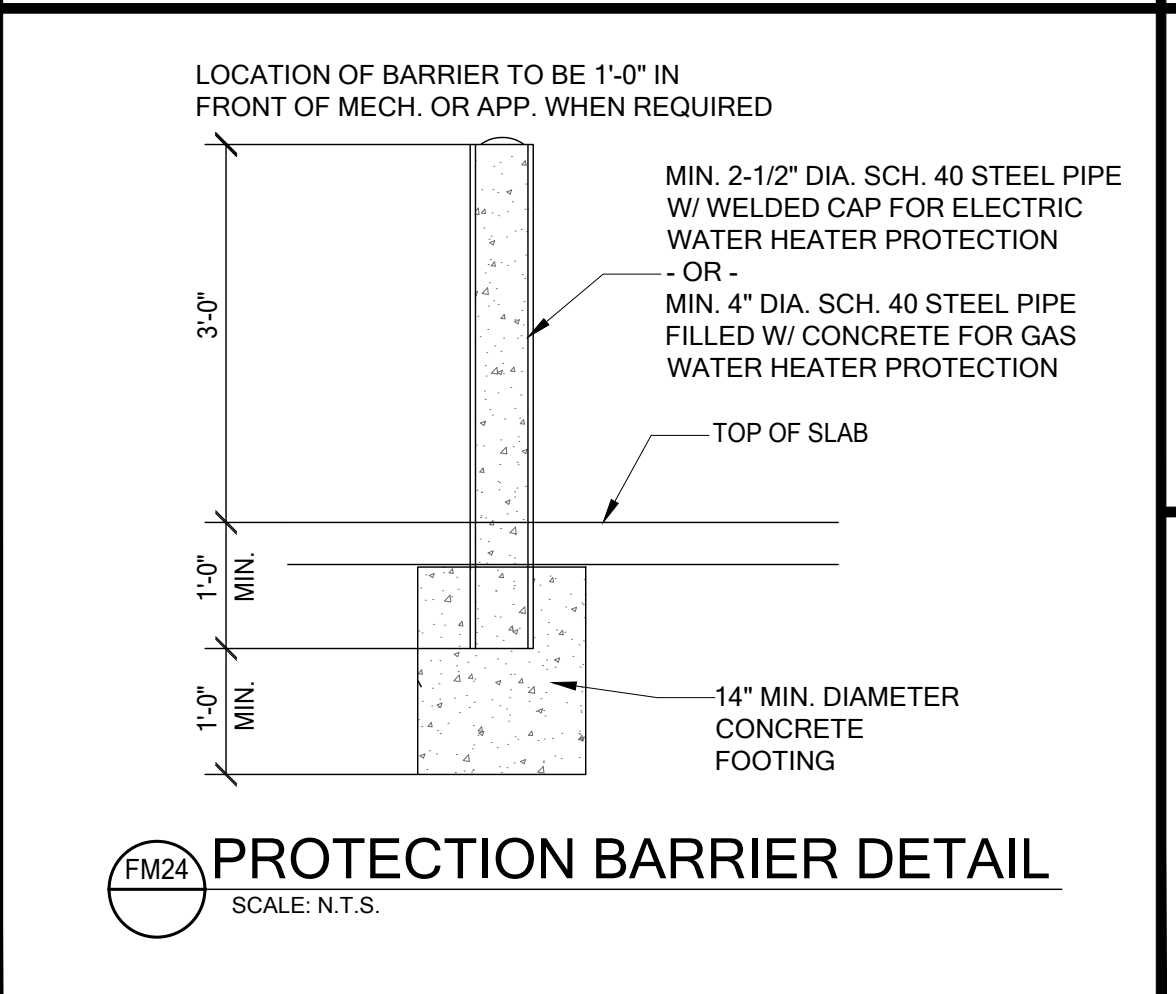
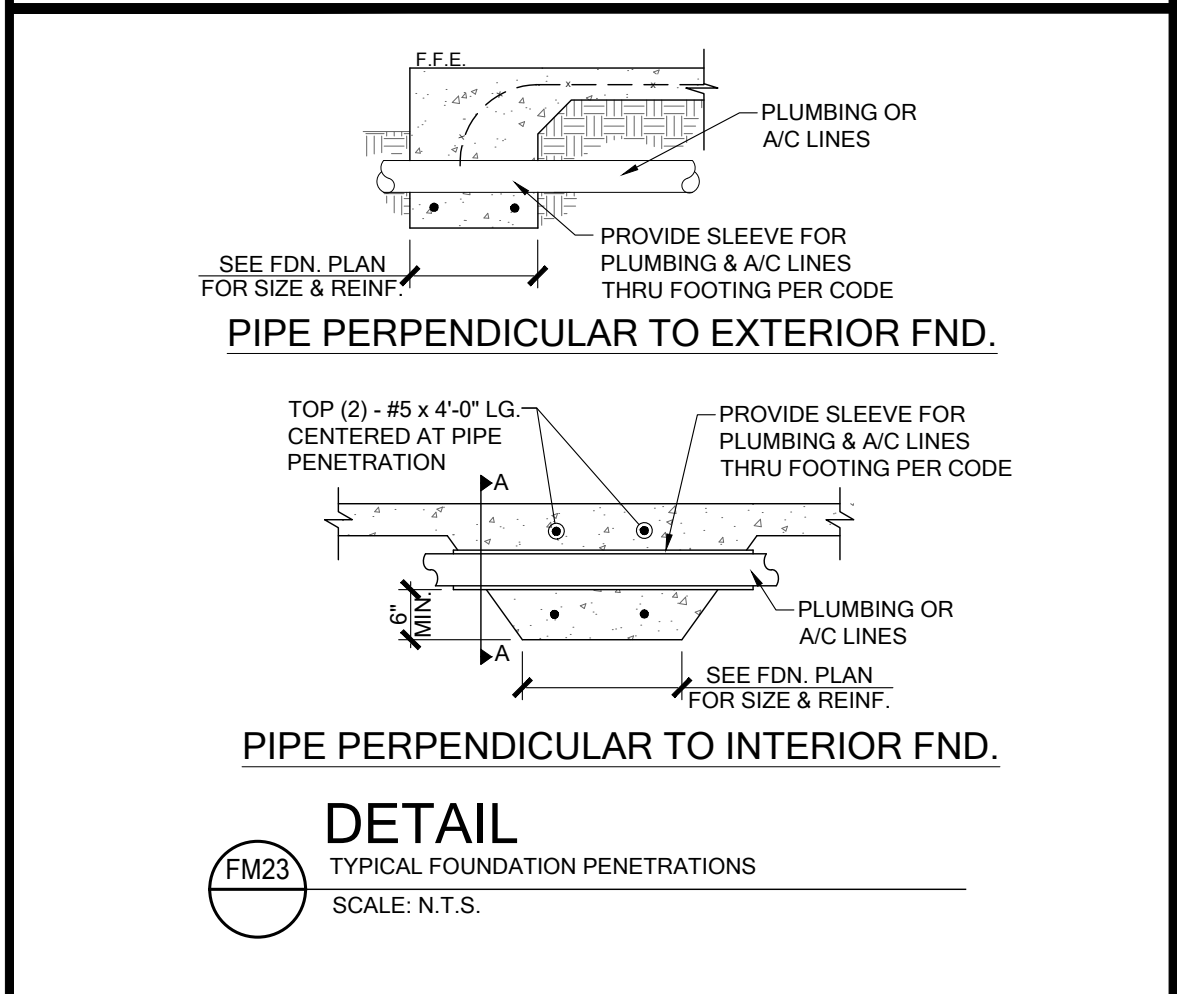
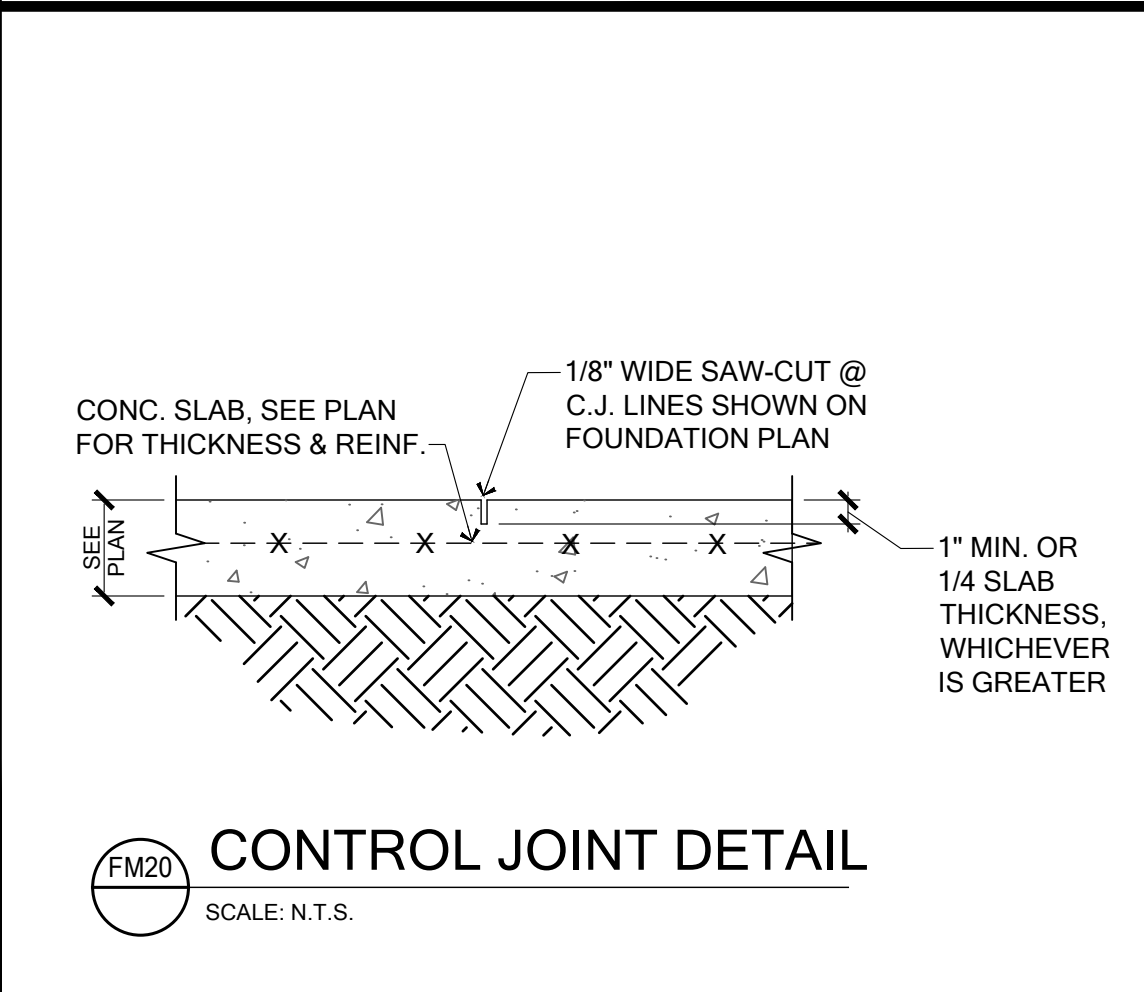
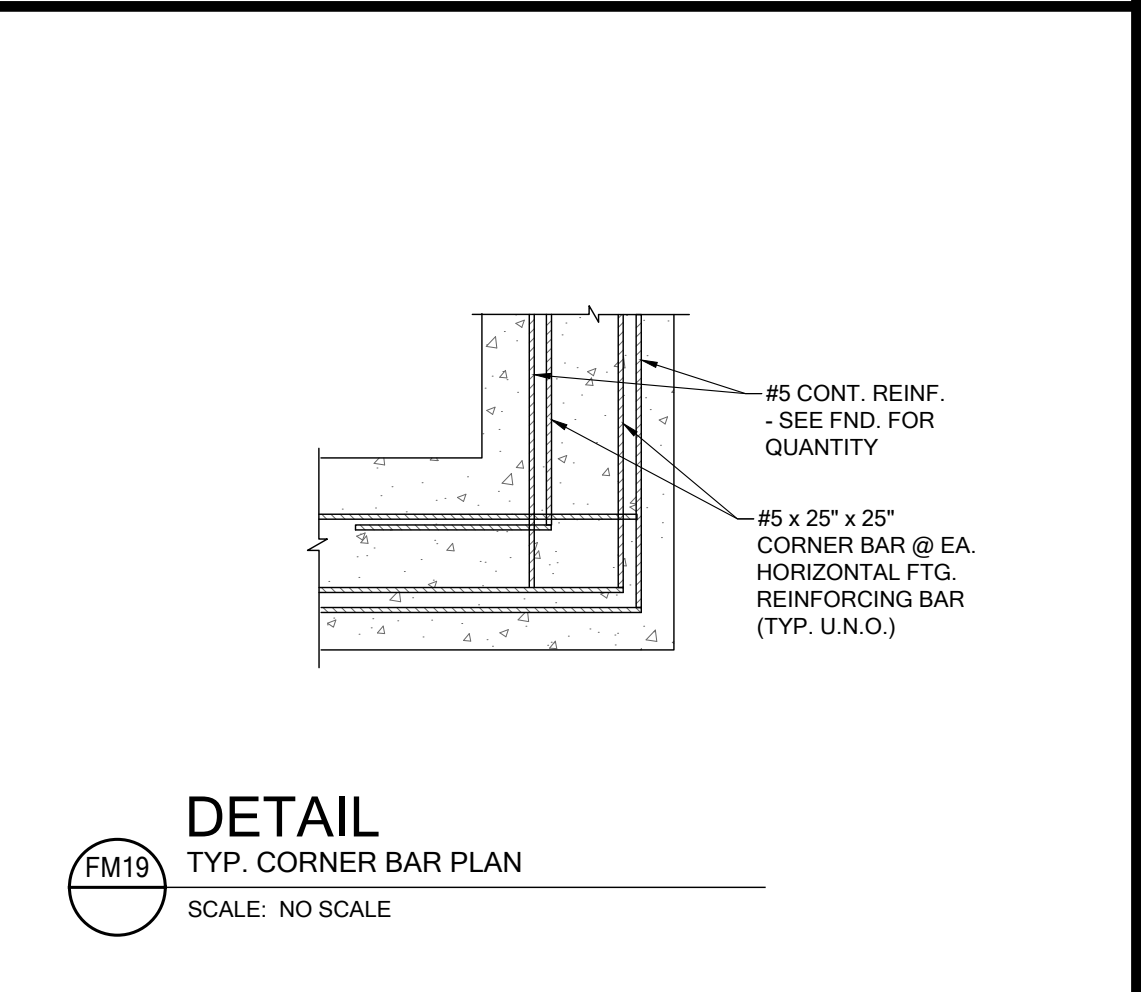
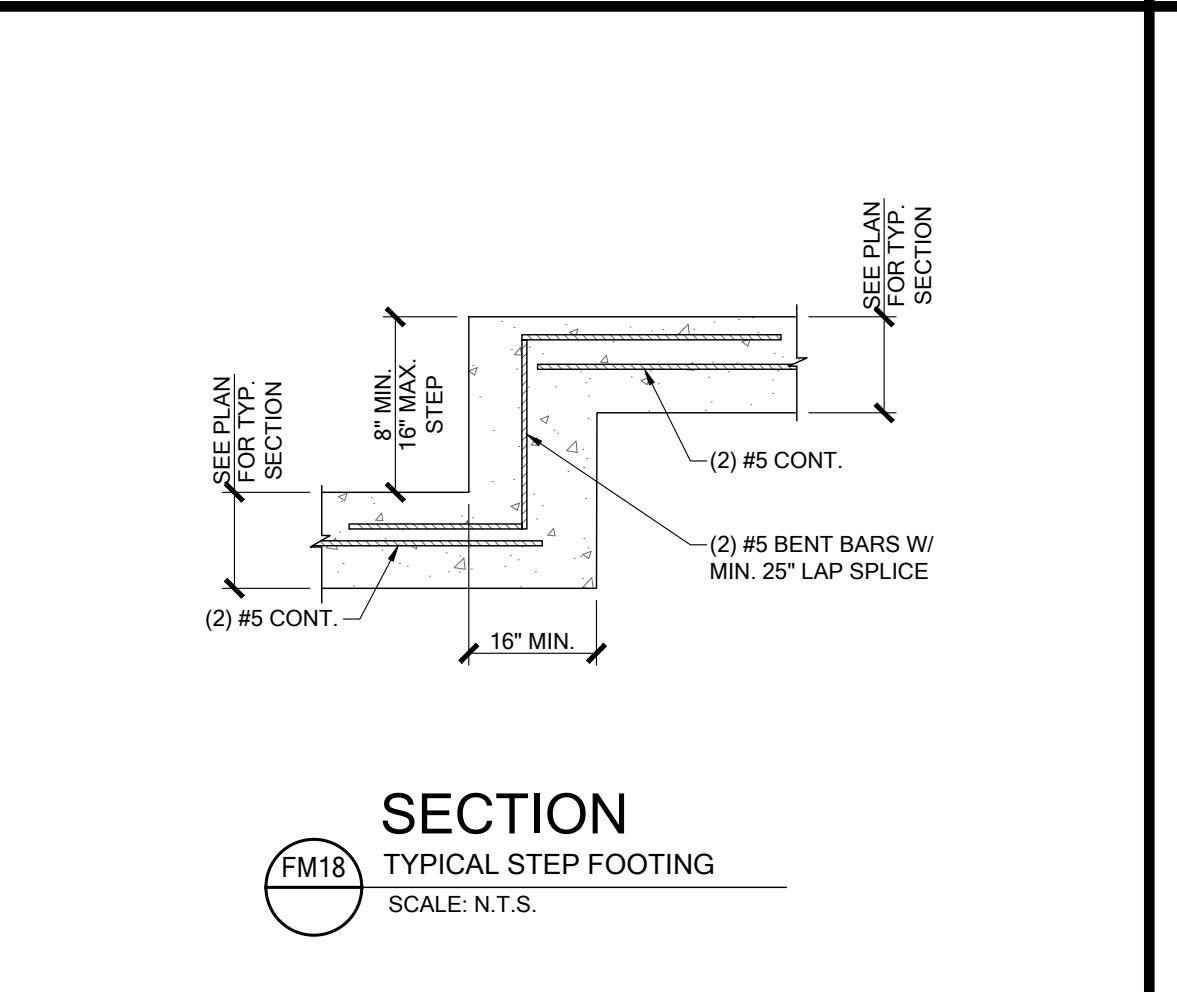
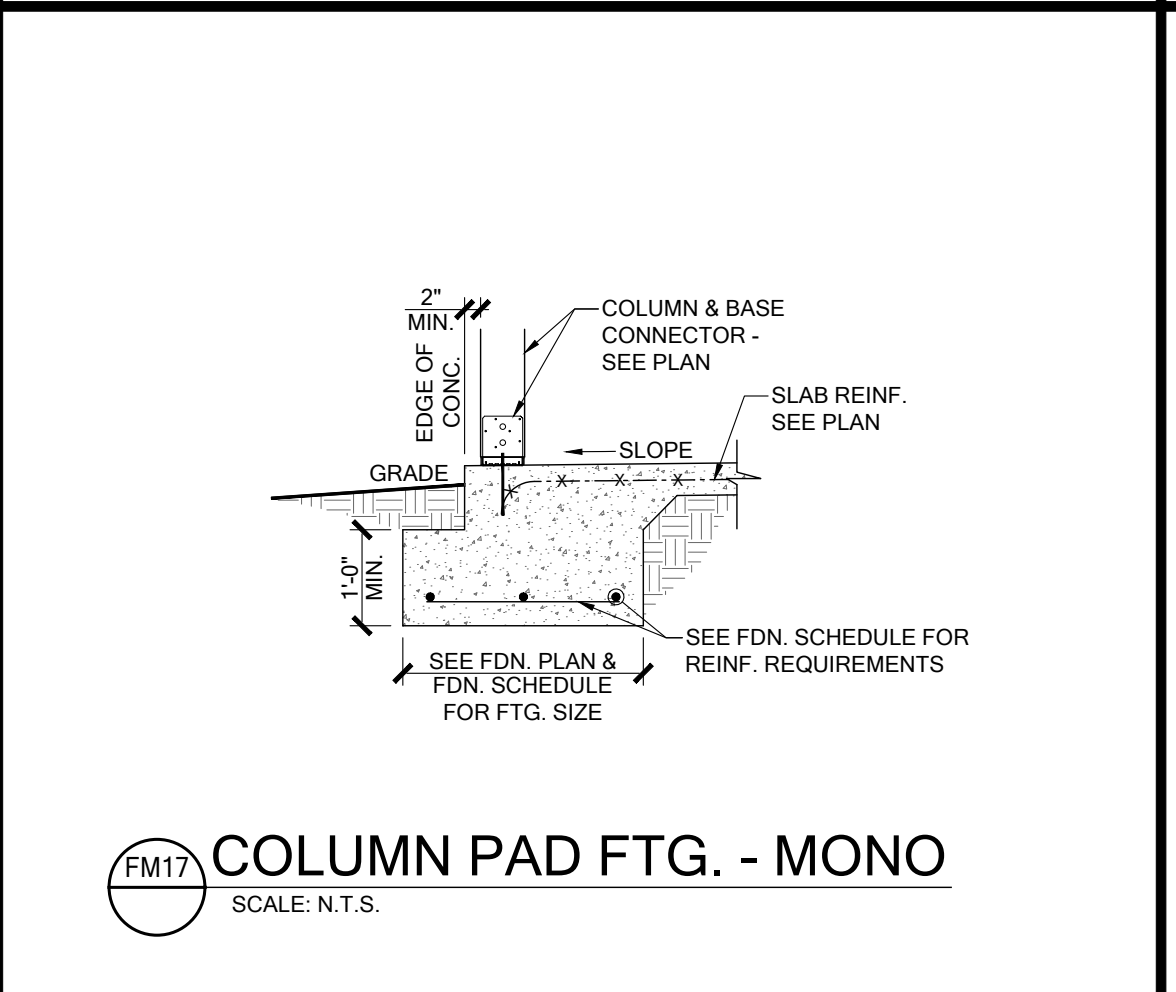
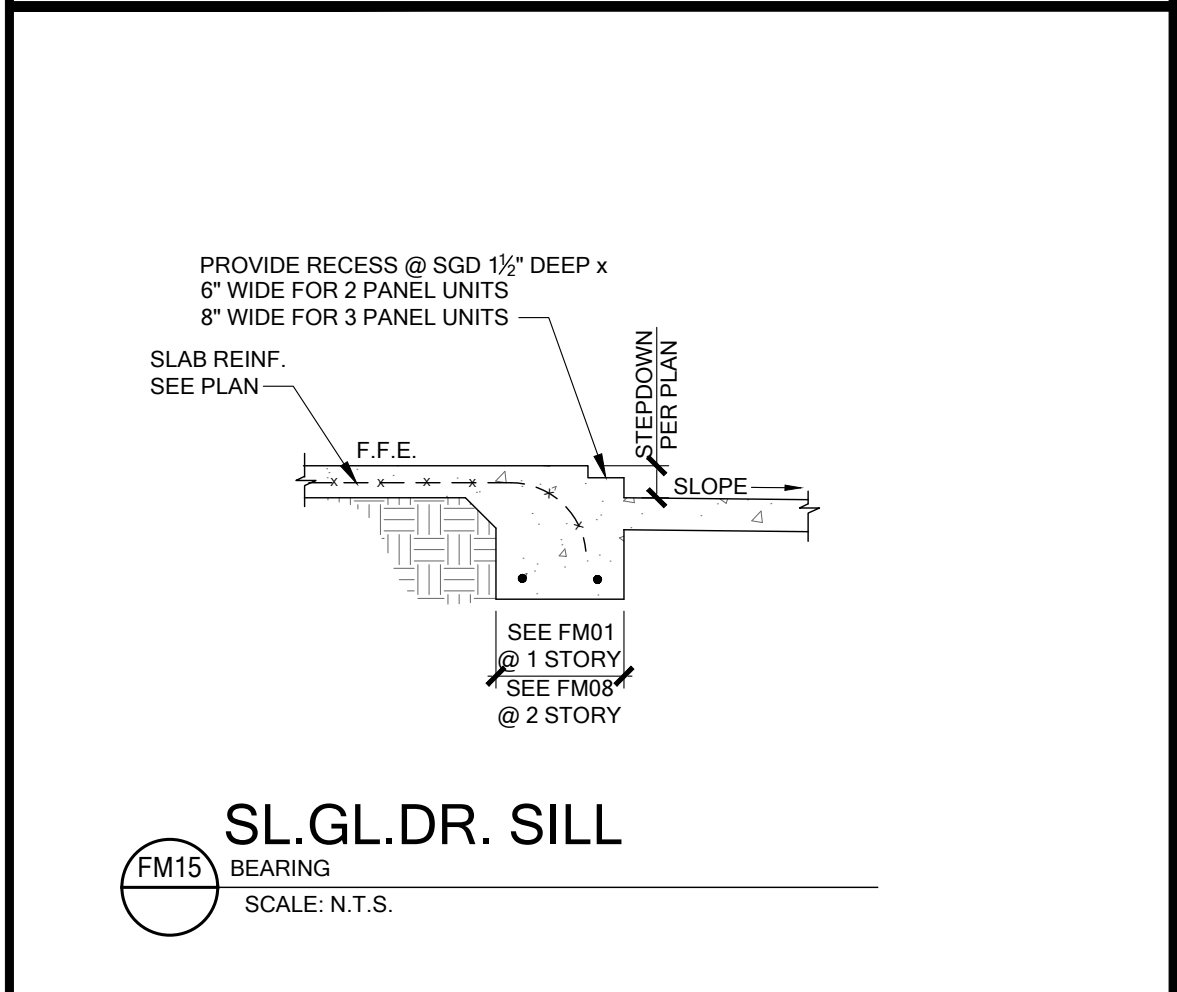
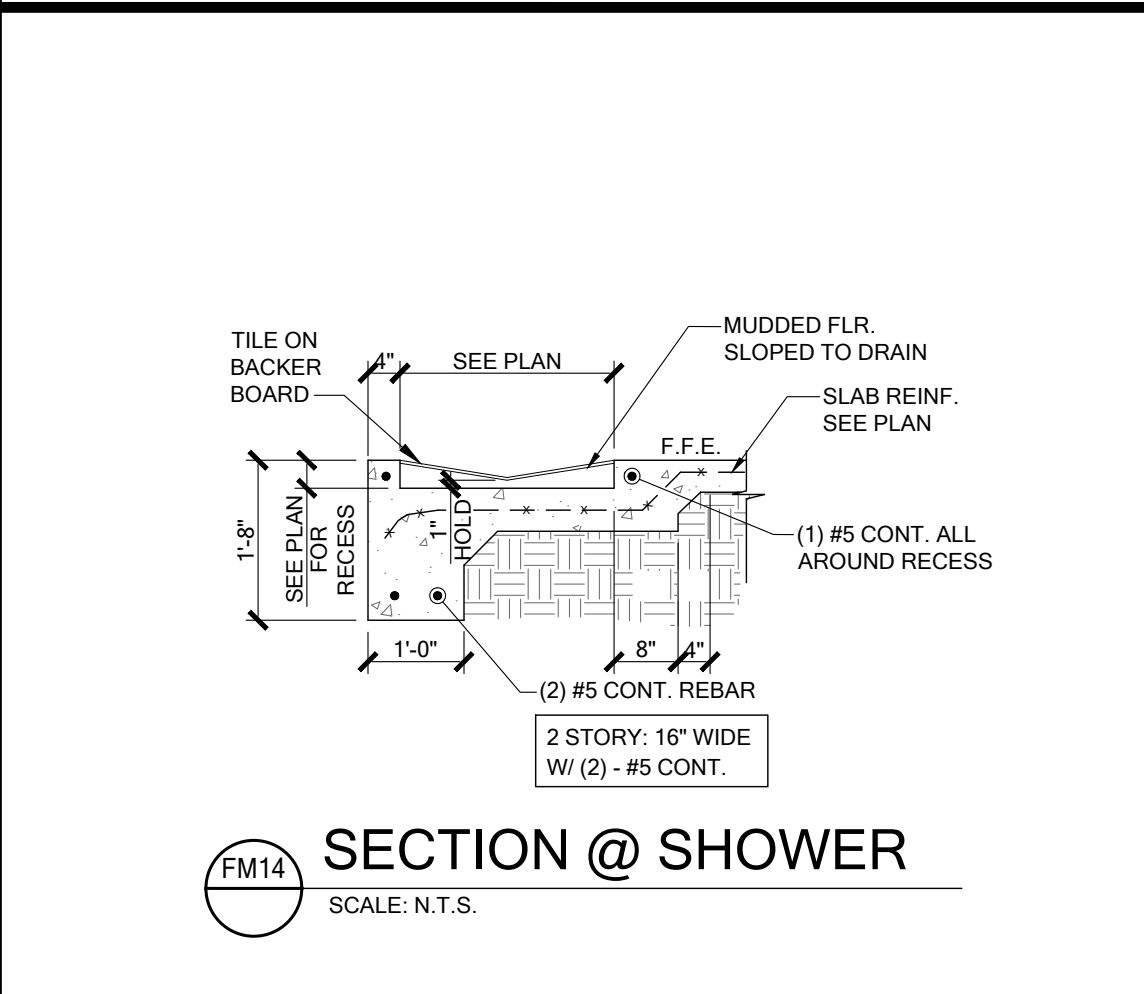
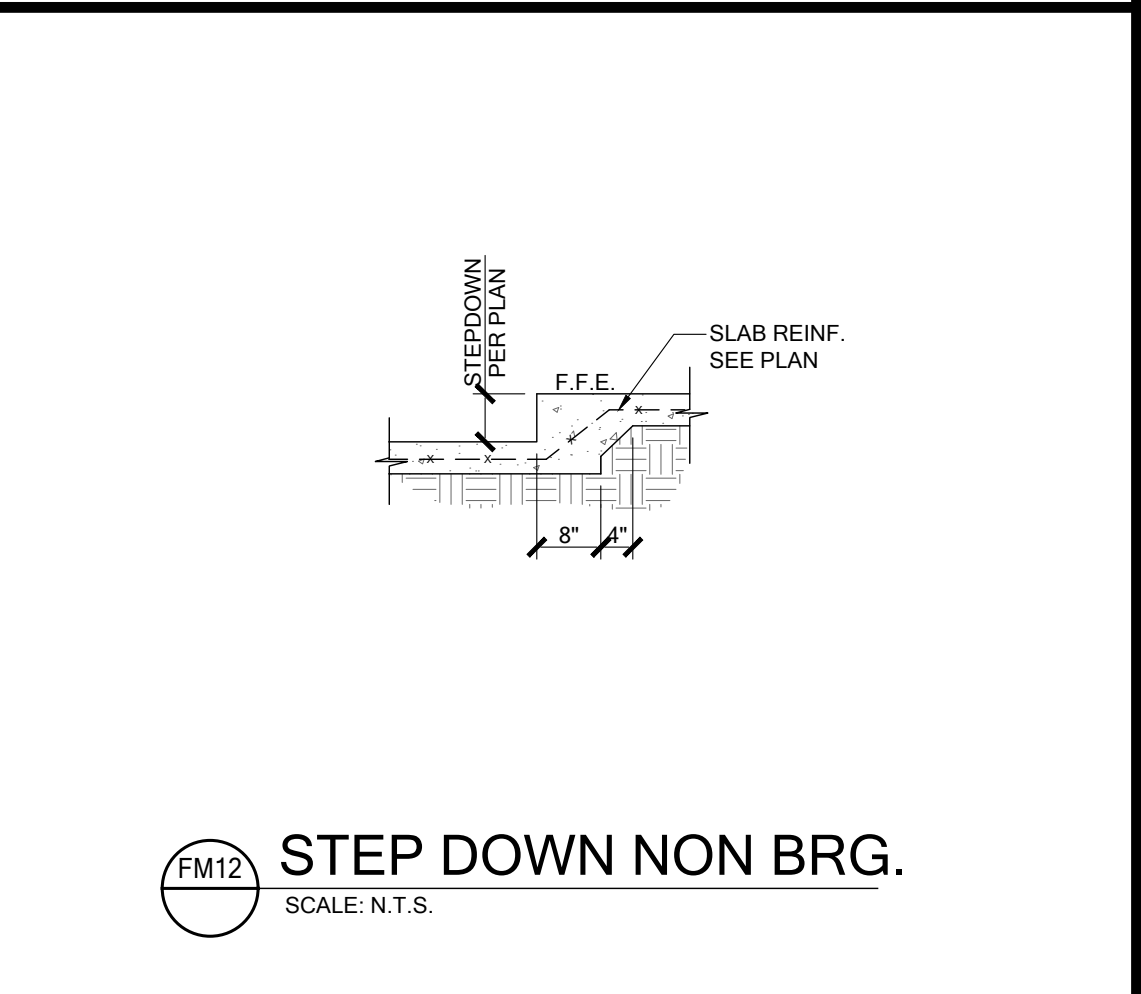
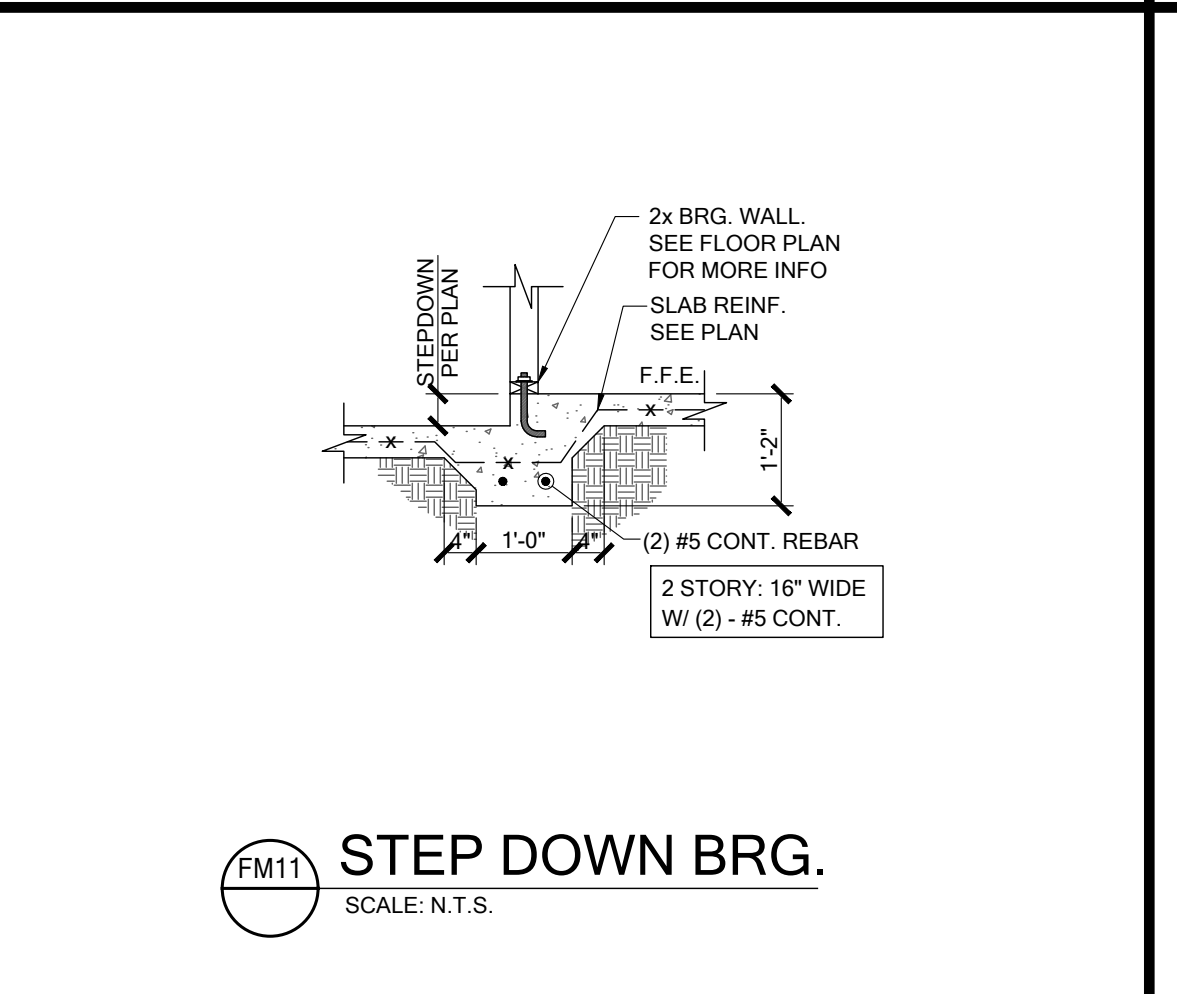
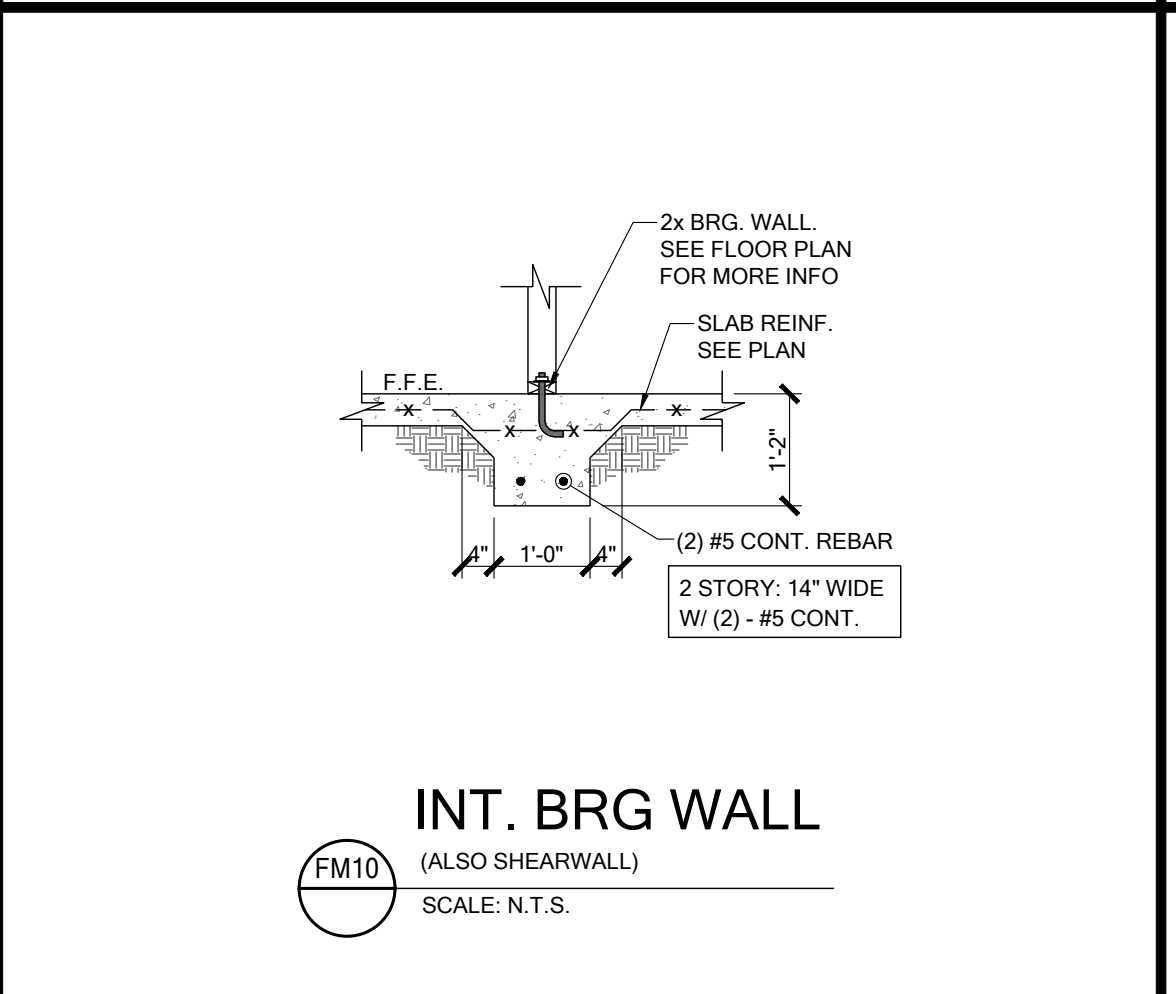
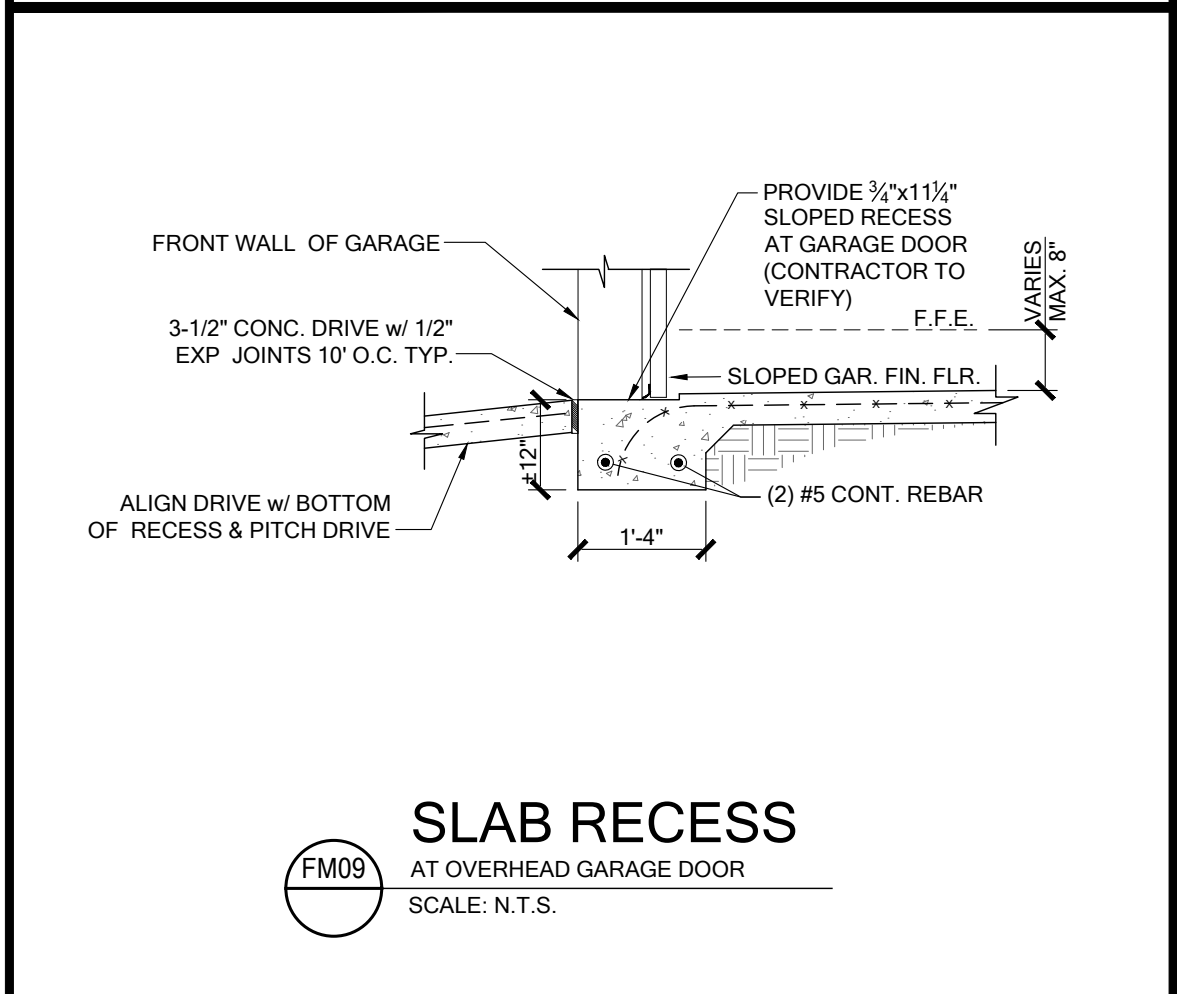
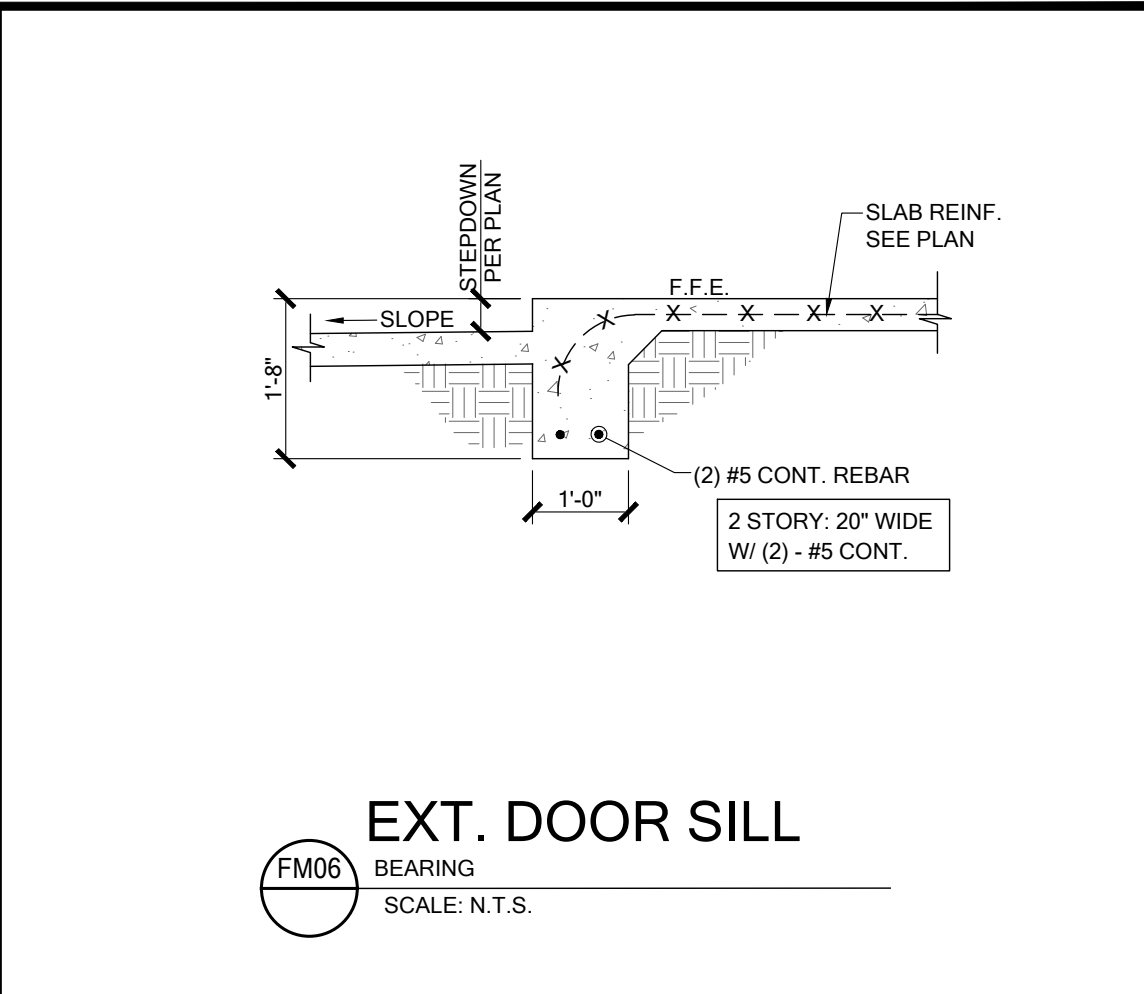
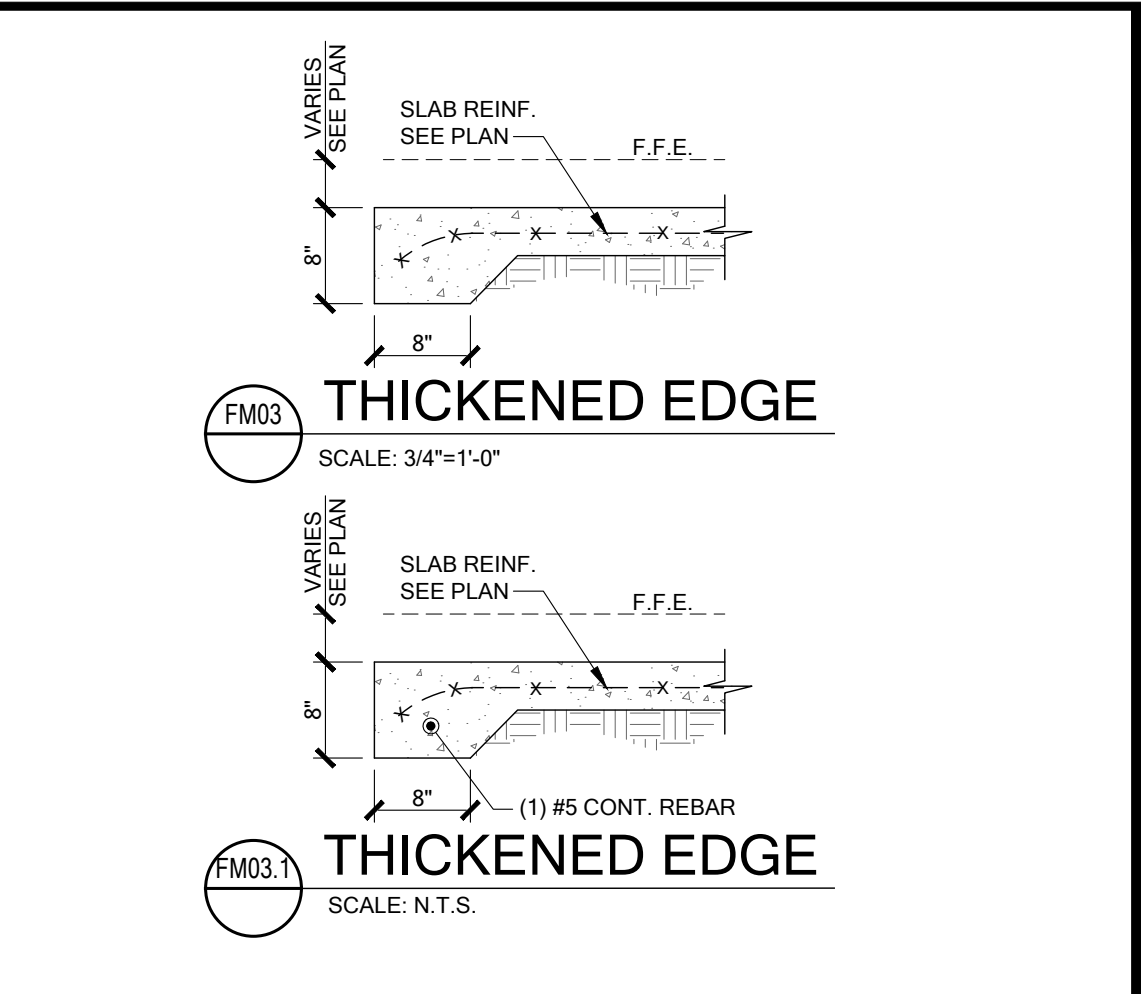
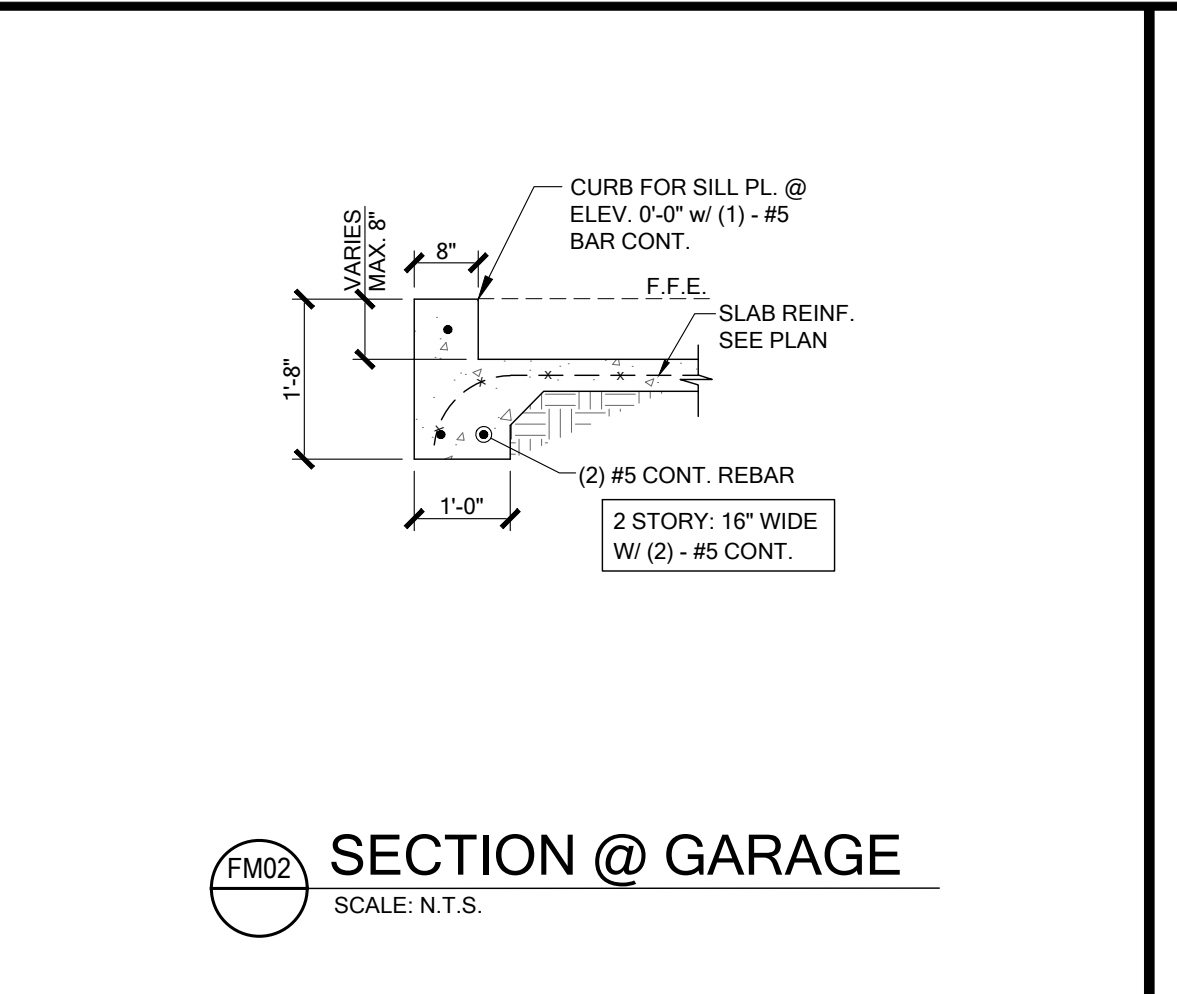
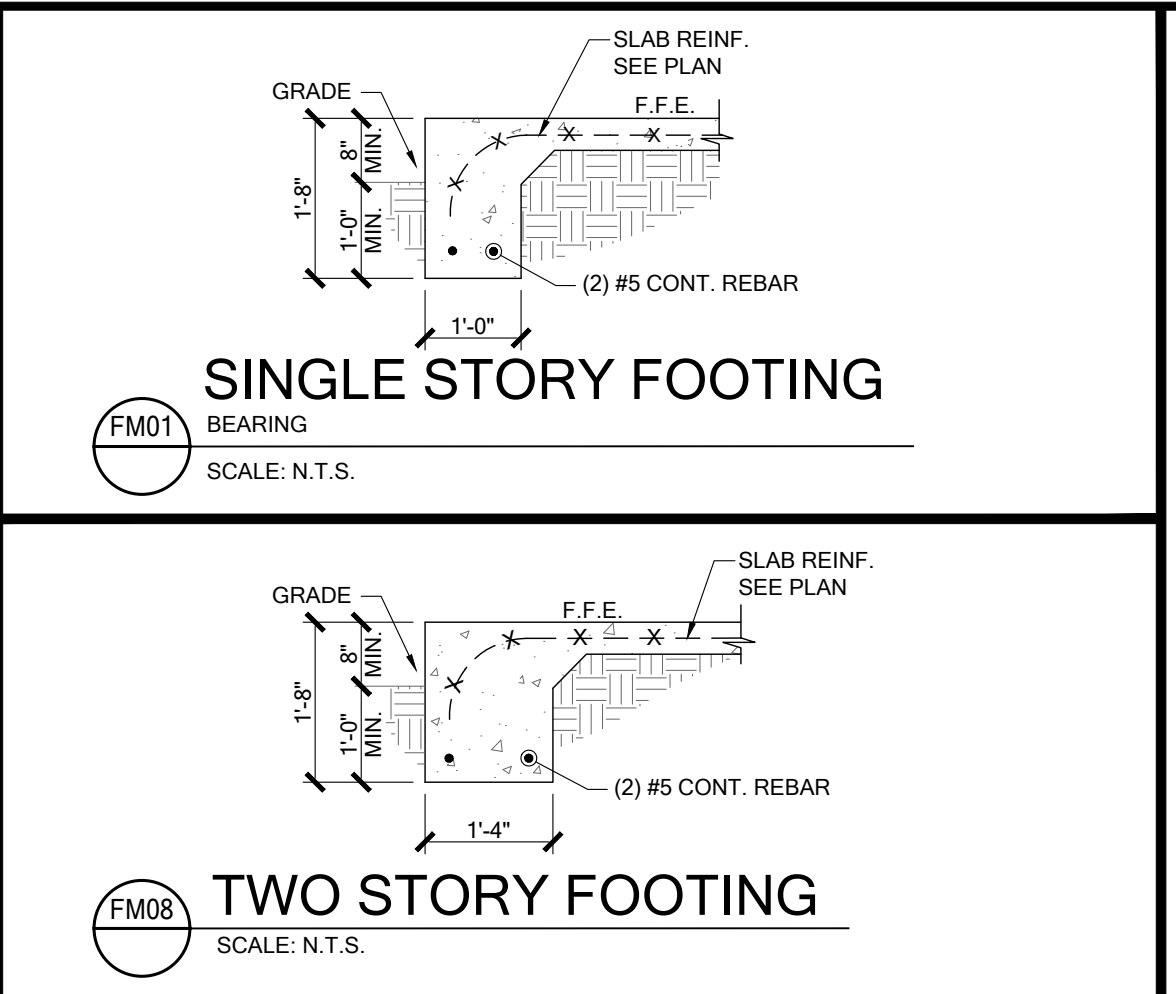
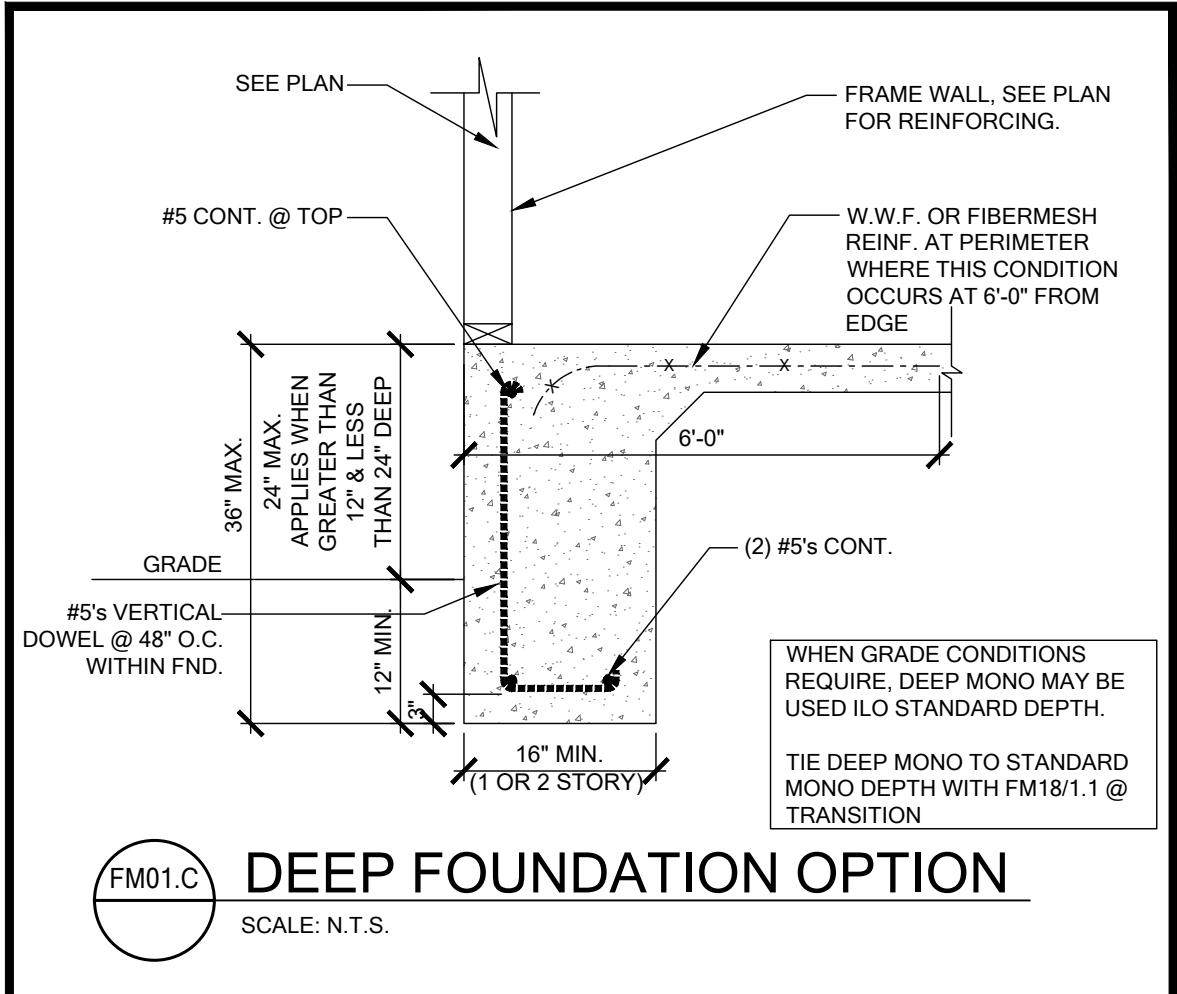


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(407) 302-9871

Community:	Forest Cove	Garage Side:	Left
Plan Name:	Livorno	Elev - J	
Lot:	6	Block:	
Address:	TBD SW Cadence Glen Lake City, FL 32024		
Job No.	9FC00601		Renaissance Series
Reference No.	25-00449		
Sheet:	1.0		
FOUNDATION			



FOR COUNTY USE ONLY

01/20/2025

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CA No. 9161AA26003115

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MARONDA Homes

3999 West First Street

Sanford, FL 32771

(407)302-9871

Community: Forest Cove

Plan Name: Livorno

Garage Side: Left

Elev - J

Lot: 6

Block:

Address: TBD SW Cadence Glen

Lake City, FL 32024

Job No: 9FC00601

Renaissance Series

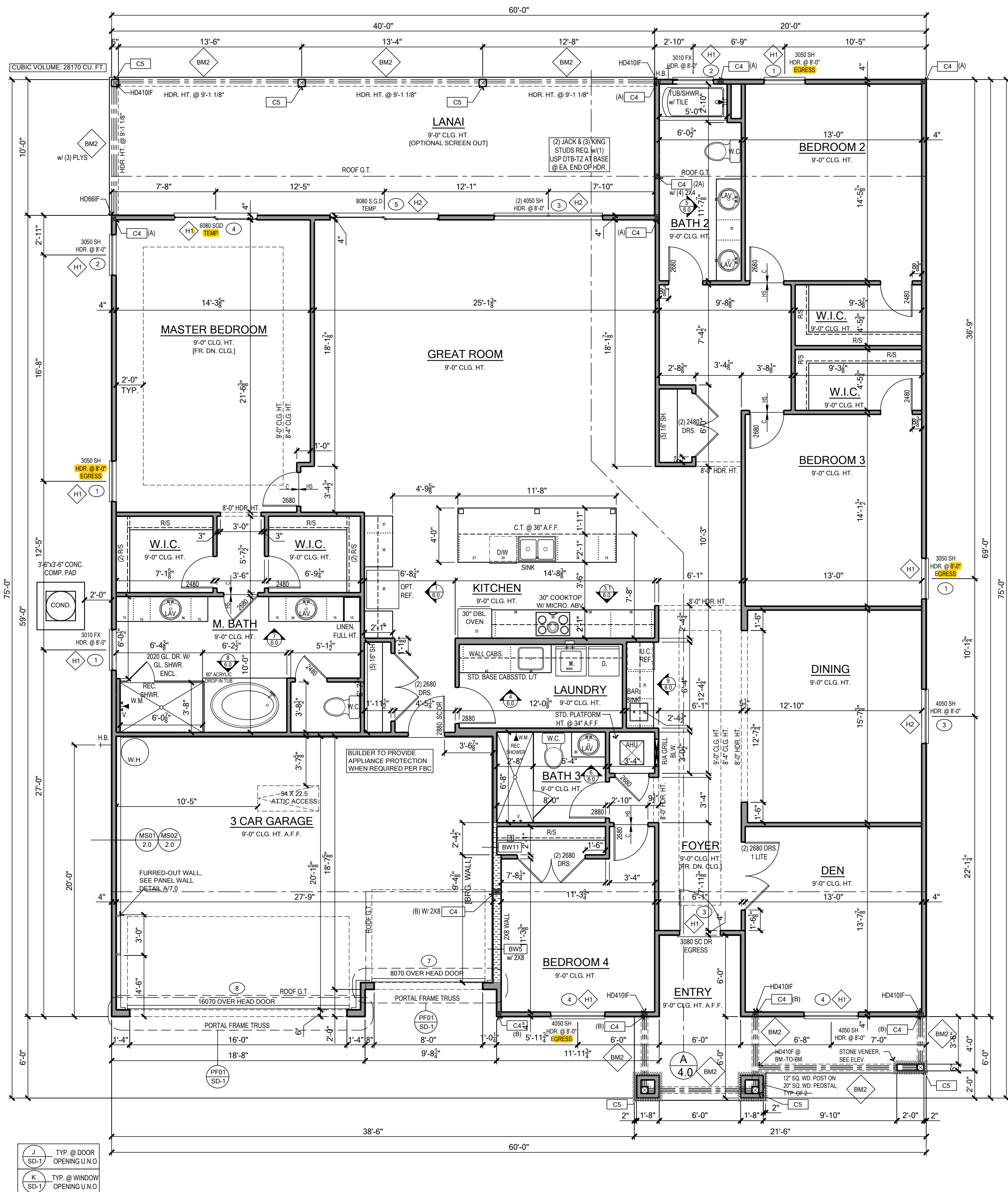
Reference No: 25-00449

Sheet: 1.1

FND. DTLS.

CARLOS DAVILA 1/17/2025

SEE SHEET 5.0 FOR BEAM SCHEDULE



FLOOR PLAN

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

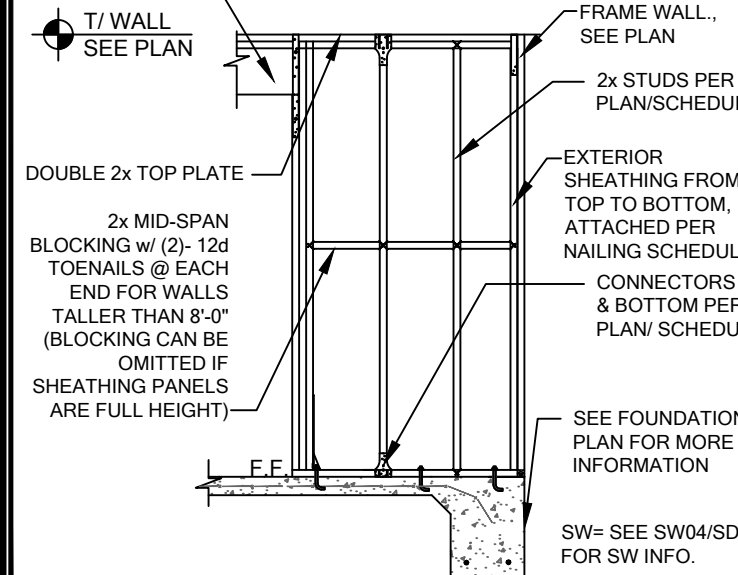
WALL TYPES LEGEND

FRAMING	
	Standard 2x4 Framing
	Standard 2x6 Framing
	Interior Bearing Wall
	Frame Wall Located Below 48" A.F.F. w/ Cap
	Insulated Interior Partition

BEARING WOOD WALL SCHEDULE

MARK	STUD SPACING	CONNECTION & FASTENERS	LUMBER SPECIES	UPLIFT CAP. [lb]
BW1	---	---	---	---
BW2	---	---	---	---
BW3	---	---	---	---
BW4	16"	(1) 16d TOENAILS	(2) 16d TOENAILS	NO UPLIFT
BW5	16"	(1) FRAMEFAST FMF006 SCREW	(1) FRAMEFAST FMF006 SCREW	498
BW6	16"	(2) FRAMEFAST FMF006 SCREWS	(2) FRAMEFAST FMF006 SCREWS	998
BW7	---	---	---	---
BW8	---	---	---	---
BW9	---	---	---	---
BW10	12"	(2) 16d TOENAILS	(2) 16d TOENAILS	NO UPLIFT
BW11	12"	(1) FRAMEFAST FMF006 SCREW	(1) FRAMEFAST FMF006 SCREW	665
BW12	12"	(2) FRAMEFAST FMF006 SCREWS	(2) FRAMEFAST FMF006 SCREWS	1338

DOUBLE 2x HEADER, SEE FLOOR PLAN FOR MIN. SIZE. SEE JSD-1 FOR CONNECTION INFO. IF HEADER IS WITHIN WALL, INDICATED ABOVE WITH NO UPLIFT, CONNECTORS INDICATED IN 'J' CAN BE IGNORED.



BEARING WALL DETAIL

GENERAL BEARING WALL NOTES

- SEE FLOOR PLAN FOR WALL SIZE. ASSUME 2x4 STUDS USED UNO.
- ALL STRUCTURAL LUMBER TO BE SYP #2 UNO ON PLAN.
- CONNECTIONS TO BE INSTALLED TO EACH STUD AS INDICATED.
- CONTACT E.O.R. IF SPAS, SPBS OR SPBS CONNECTORS ARE SUBSTITUTED, TO VERIFY THEY MEET THE STRUCTURAL REQUIREMENTS.
- IF "BW" IS INDICATED ON SECOND FLOOR BASE CONNECTION TO BE IGNORED. SEE DETAIL INDICATED IN PLANS FOR PROPER CONNECTIONS FOR 2ND FLOOR TO FIRST FLOOR CONNECTIONS. (NOTE: THIS IS FOR 2 STORY PROJECTS ONLY.)
- ALL 2x EXTERIOR WALLS W/ EXTERIOR SHEATHING ATTACHED PER NAILING SCHEDULE ACT AS SHEARWALLS. SEE PLAN AND WALL SECTIONS FOR STUD SPACING AND GRADE.
- IF THE BEARING WALL IS INDICATED WITH THE BW1, BW4, BW7, BW10, THESE WALLS ARE ONLY SUPPORTING THE FLOOR LOAD AND DO NOT HAVE UPLIFT, THE STUDS ARE NAIL TO THE PLATE AND THE 2x PLATE CAN BE ATTACHED WITH HARD CASED NAILS (GUN NAILS) AND WILL NOT REQUIRE THE ANCHOR BOLT ATTACHMENT INDICATED IN THE BEARING WALL SCHEDULE.

COLUMN SCHEDULE

MARK	COLUMN SIZE	(BASE) CONN. & FASTENER	UPLIFT(Lb)
C3	(3) 2 x #2 SYP	(4) 16d TOENAILS	NO UPLIFT
C4	(3) 2 x #2 SYP	(A) HTT45 w/ 5/8" ATR & (18) 16d x 2-1/2" NAILS (B) ATTACH BASE W/ (2) LST24 (C) (14) 1/4" x 2-1/4" TAPCONS	4215 2470 3660
C5	4 x 4 P.T.#2 SYP POST	PAU44 w/ 5/8" ATR & (12) 16d NAILS	G = 6775 U = 2535
C6	6 x 6 P.T.#2 SYP POST	PAU66 w/ 5/8" ATR & (12) 16d NAILS	G = 16005 U = 2435
C9	4 x 6 P.T.#2 SYP POST	HTT45 w/ 5/8" ATR & (18) 16d NAILS	4215
C11	5.25"x5.25" P.L. 1 BE FB=2400 (WOLMANIZED IF EXT.)	UPH08 w/ 7/8" ATR & (24) 1/4"x2-1/2" WS3 WOOD SCREWS	8185

NOTE: P.T. LUMBER USED HOT DIP GALVANIZED OR STAINLESS STEEL CONNECTOR & FASTENERS.

GENERAL COLUMN NOTES

- SEE FLOOR PLAN FOR WALL WIDTH. STUD PACKS TO MATCH WALL WIDTH UNO.
- ALL STRUCTURAL LUMBER TO BE SYP#2 UNO ON PLAN.
- NAIL BUILT UP STUDS PER DETAIL KSD-1.
- ALL HOLDOWN ANCHORS SHALL BE EPOXY ANCHORS W/ MINIMUM BOLT EMBEDMENT:
5" EMBEDMENT FOR 1/2" ATR
7" EMBEDMENT FOR 5/8" ATR
8" EMBEDMENT FOR 7/8" ATR
- SEE WOOD CONSTRUCTION NOTE #4 ON SN SHEET FOR CORROSION INFORMATION

AREA TABULATION-J

FIRST FLOOR LIVING	3130	sq.ft.
LIVING TOTAL	3130	sq.ft.
GARAGE	560	sq.ft.
FRONT ENTRY	36	sq.ft.
ANAI	400	sq.ft.
TOTAL AREA	4126	sq.ft.

140 MPH OPENING PRESSURES	
C&C LOADING - ENCLOSED - EXPOSURE "B" - MEAN ROOF HT. - 1-STORY - 15' AND 2-STORY - 25'	
EFFECTIVE WIND AREA (sq. ft.)	
INTERIOR WALL ZONE (a)	EXTERIOR WALL ZONE (b)
(1) 0 - 19.99	(2) + 21.2 PSF / - 28.3 PSF
(3) 20 - 49.99	(4) + 20.2 PSF / - 28.4 PSF
(5) 50 - 99.99	(6) + 18.9 PSF / - 20.7 PSF
(7) 8070	(8) + 18.9 PSF / - 20.9 PSF
(9) 18070	(10) + 17.7 PSF / - 19.7 PSF

GENERAL NOTES

- NOTE-1: OPTIONAL CROWN MOLDING TO BE INSTALLED ONLY IN THE FOLLOWINGS ROOMS:
- MASTER BEDROOM AND TRAY
 - GREAT ROOM AND TRAY
 - LIVING ROOM AND TRAY
 - DINING ROOM AND TRAY
 - KITCHEN (INCLUDING NOOK)
 - FLEX/DEN AND TRAY
 - FOYER AND TRAY
 - * IF EXISTS IN BASE HOUSE
- NOTE-2: 40 MIL PVC SHOWER LINER IS USED FOR ALL SHOWER RECEPTORS PER FBC-R P2709.2
- NOTE-3: GLASS & DOOR OPTION ON RECESSED SHOWERS ONLY.

WINDOW SCHEDULE

WINDOW TYPES	SIZE	ROUGH OPNG	U-VALUE Gnds	SHGC w/o U-Value Gnds	SHGC w/ U-Value Gnds
2020 SH	23 1/2" X 23 1/2"	24" X 24"	0.33	0.23	0.21
2024 SH	23 1/2" X 27 1/2"	24" X 28"	0.33	0.23	0.21
2034 SH	23 1/2" X 47 1/2"	24" X 48"	0.33	0.23	0.21
2050 SH	23 1/2" X 59 3/4"	24" X 60 1/4"	0.33	0.23	0.21
3050 SH	35 3/4" X 59 3/4"	36 1/4" X 60 1/4"	0.33	0.23	0.21
3050 SH	35 3/4" X 71"	36 1/4" X 72"	0.33	0.23	0.21
3450 SH	39 1/2" X 59 3/4"	40" X 60 1/4"	0.33	0.23	0.21
4050 SH	47 1/2" X 59 3/4"	48" X 60 1/4"	0.33	0.23	0.21
4050 SH	47 1/2" X 59 3/4"	48" X 60 1/4"	0.33	0.23	0.21
2020 PW	23 1/2" X 23 1/2"	24" X 24"	0.33	0.23	0.21
3010 PW	35 3/4" X 11 1/2"	36 1/4" X 12"	0.33	0.23	0.21
3012 PW	36" X 13 1/2"	36 1/4" X 14"	0.33	0.23	0.21
3017 PW	36" X 18 3/4"	36 1/4" X 19"	0.33	0.23	0.21
3050 PW	35 3/4" X 59 3/4"	36 1/4" X 60 1/4"	0.33	0.23	0.21
3070 PW	35 1/2" X 83 1/2"	36" X 84"	0.33	0.23	0.21
4010 PW	47 1/2" X 11 1/2"	48" X 12"	0.33	0.23	0.21
4020 PW	47 1/2" X 23 1/2"	48" X 24"	0.33	0.23	0.21
4040 PW	47 1/2" X 47 1/2"	48" X 48"	0.33	0.23	0.21
4044 PW	47 1/2" X 51 1/2"	48" X 52"	0.33	0.23	0.21
30-1/2" ROUND	35 3/4" X 17 7/8"	36 1/4" X 18 3/8"	0.33	0.23	0.21
02-2830 SH	59 1/8" X 35 1/2"	59 5/8" X 36"	0.33	0.23	0.21
02-2030 SH	71 5/8" X 35 1/2"	72 1/8" X 36"	0.33	0.23	0.21
02-3040 SH	71 5/8" X 47 1/2"	72 1/8" X 48"	0.33	0.23	0.21
02-2050 SH	71 5/8" X 59 3/4"	72 1/8" X 60 1/4"	0.33	0.23	0.21
02-3080 SH	71 5/8" X 71 1/2"	72 1/8" X 72"	0.33	0.23	0.21
02-4080 SH	95 1/8" X 59 3/4"	95 5/8" X 60 1/4"	0.33	0.23	0.21
02-3050 SH	35 3/4" X 11 1/2"	36 1/4" X 12"	0.33	0.23	0.21

SEE MANUFACTURER DETAILS FOR INSTALLATION AND NUMBER OF FASTENERS PER WINDOW.

DOOR SCHEDULE

DOOR TYPE	SIZE	MASONRY OPNG	FRAME OPNG
2-0 X 6-8	25 1/2" X 82"	29" X 83 3/4"	26" X 82 1/2"
2-0 X 8-0	25 1/2" X 96"	29" X 99 3/4"	26" X 98 1/2"
2-4 X 6-8	29 1/2" X 82"	33" X 83 3/4"	30" X 82 1/2"
2-4 X 8-0	29 1/2" X 96"	33" X 99 3/4"	30" X 98 1/2"
2-6 X 6-8	31 1/2" X 82"	35" X 83 3/4"	32" X 82 1/2"
2-6 X 8-0	31 1/2" X 96"	35" X 99 3/4"	32" X 98 1/2"
3-0 X 6-8	37 1/2" X 82"	41" X 83 3/4"	38" X 82 1/2"
3-0 X 8-0	37 1/2" X 96"	41" X 99 3/4"	38" X 98 1/2"
3-0 w/ (1) SL X 6-8	51 1/8" X 82"	54 1/2" X 83 3/4"	51 1/2" X 82 1/2"
3-0 w/ (1) SL X 8-0	51 1/8" X 96"	54 1/2" X 99 3/4"	51 1/2" X 98 1/2"
3-0 w/ (2) SL X 6-8	64 1/2" X 82"	68" X 83 3/4"	65" X 82 1/2"
3-0 w/ (2) SL X 8-0	64 1/2" X 96"	68" X 99 3/4"	65" X 98 1/2"
3068 DBL. FR. DRS.	75" X 82"	76 1/4" X 83 3/4"	74 3/4" X 82 1/2"
3080 DBL. FR. DRS.	75" X 96"	76 1/4" X 99 3/4"	74 3/4" X 98 1/2"
12080 SGD	141 1/8" X 96"	144 5/8" X 97 3/4"	141 5/8" X 96 1/2"
8'0" X 7'0" OHD	96" X 84"	96" X 84"	96" X 84"
16'-0" X 7'-0" OHD	192" X 84"	96" X 84"	96" X 84"

DOOR TYPE	SIZE	FRAME OPNG	U-VALUE	SHGC
9068 SGD	60" X 80"	60 1/2" X 80 1/2"	0.54	0.25
9068 SGD	72" X 80"	72 1/2" X 80 1/2"	0.54	0.25
9080 SGD	72" X 96"	72 1/2" X 96 1/2"	0.54	0.25
9068 SGD	96" X 80"	96 1/2" X 80 1/2"	0.54	0.25
9080 SGD	96" X 96"	96 1/2" X 96 1/2"	0.54	0.25
9068 SGD	106 13/16" X 80"	108 5/16" X 80 1/2"	0.54	0.25
9080 SGD	106 13/16" X 96"	108 5/16" X 96 1/2"	0.54	0.25
12080 SGD	141 1/8" X 96"	141 5/8" X 96 1/2"	0.54	0.25

SEE MANUFACTURER DETAIL FOR INSTALLATION AND # OF FASTENERS PER DOOR.

HEADER SCHEDULE

MARK	HEADER SIZE	REMARKS
H1	(2) - 2X6 #2 SYP W/ 1/2" FLITCH PLATE	SEE NOTE #5
H2	(2) - 2X8 #2 SYP W/ 1/2" FLITCH PLATE	SEE NOTE #5
H3	(2) - 2X10 #2 SYP W/ 1/2" FLITCH PLATE	SEE NOTE #5
H4	(2) - 2X12 #2 SYP W/ 1/2" FLITCH PLATE	SEE NOTE #5
H5	3 1/2" X 7 1/4" GLULAM	(1.6E/Fb=1,500 PSI)

OPENING SIZE	JACKS EA END	KINGS EA END	JACKS EA END	KINGS EA END
1'-0" - 3'-11"	(1)	(2)	(1)	(2)
>4'-0" BUT <9'-0"	(2)	(3)	(2)	(3)
10'-0" - 16'-0"	(3)	(4)	(3)	(4)

GENERAL HEADER NOTES

- VERIFY W/ PLAN CORRECT LENGTH OF HEADER REQUIRED
- IF HEADER IS ON THE 1ST FLOOR, SEE PLAN FOR BEARING WALL TYPE AND FOLLOW INSTRUCTIONS WITHIN BEARING WALL SCHEDULE FOR REQUIRED CORRECTIONS UNO ON PLAN.
- IF HEADER IS ON THE 2ND FLOOR SEE PLAN FOR INDICATED HEADER CONNECTION FOR REQUIRED CONNECTIONS.
- ALL HEADER JACK AND KING STUDS SHALL BE FASTENED TO EACH PER DETAIL JSD-1.
- FASTEN ALL MULTI-PLY HEADERS TOGETHER W/ (2) ROWS 10d COMMON NAILS AT 8" O.C. ALONG EACH EDGE OR (3) ROWS IF 2x10 OR LARGER.
- FASTEN ALL HEADERS TO KING STUDS W/ (3) 10d TOENAILS PER SIDE.
- IF HEADER IS NOT SPECIFIED CONTACT E.O.R.

To the best of the Engineer's knowledge, information and belief, the structural plans and specifications contained within these drawings comply with the Florida Building Code 8th Edition (2023) Residential. Engineer's signature and seal is only for the structural engineering portions of the drawing pages bearing Engineer's signature and seal.

CA No. 9161 AA26003115



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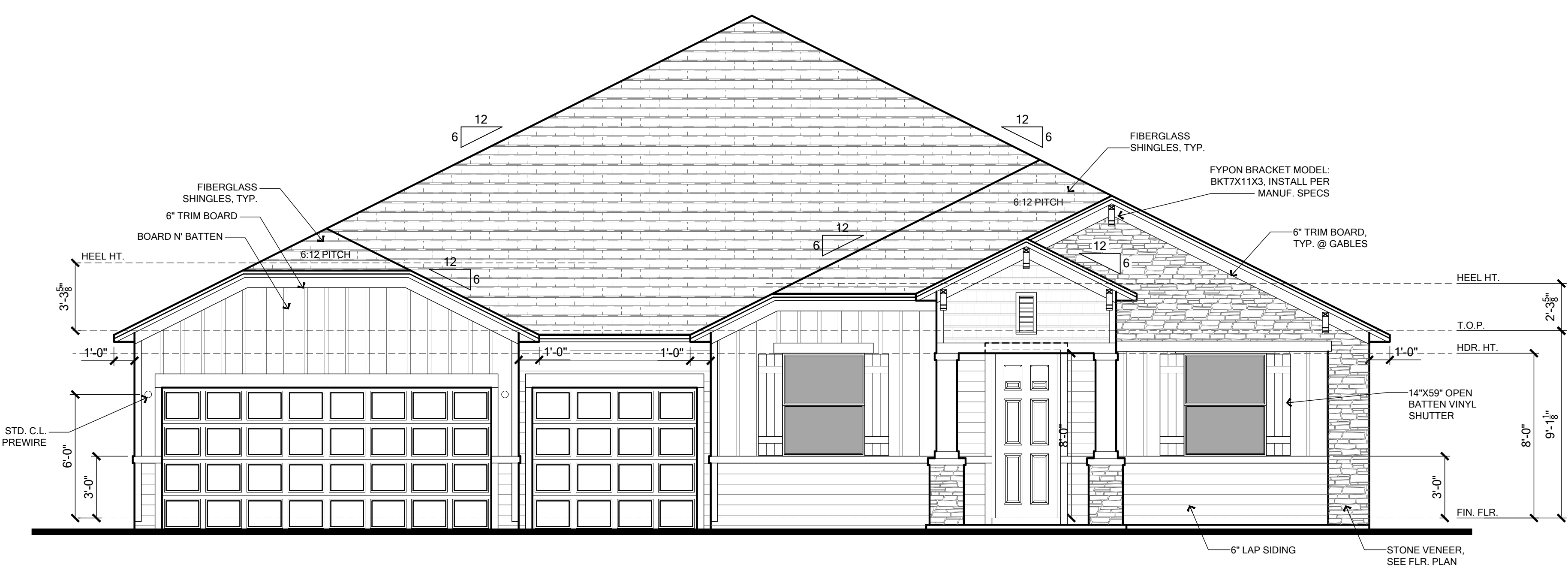
MARONDA Homes
3999 West First Street
Sanford, FL 32771
(407) 902-9871

Forest Cove
Livorno
Elev - J
Left
Plan Name: Livorno
Lot: 6
Block:
Address: TBD SW Cadence Glen
Lake City, FL 32024
Job No. 9FC00601
Renaissance Series

Reference No. 25-00449
Sheet

2.0

FLOOR PLAN



FRONT ELEVATION

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



LEFT ELEVATION

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

ELEVATION NOTES

EAVE OVERHANG 12" ALUM. FASCIA AND SOFFITS, AND SOFFITS AND GABLE OVERHANG 9" ALUM. FASCIA AND SOFFITS, U.N.O. PLUMB CUT WITH LEVEL RETURNS

Banding/Stucco General Notes

1. Etched Banding typical at Front Elevation.
2. Raised banding to return 1'-0" around corner.
3. Side and Rear elevations to have 4" etched banding unless otherwise noted.
4. When installed with stone/brick veneer increase thickness of banding by 2" typical.

R703.7 Exterior Plaster

Installation of these materials shall be in compliance with ASTM C926, ASTM C1063, or ASTM C1787 and the provisions of this code.

R703.7.1 Lath

Lath and Lath attachments shall be of corrosion-resistant materials. Expanded metal or woven wire lath shall be attached with 1-1/2" long, 11 gage nails having a 7/16" head, or 1-1/2" long, 16 gage staples, spaced in accordance with ASTM C1063 or C1787, or as otherwise approved. (Refer to Sheet SN for the engineered method for Lath attachment.)

Lathing Accessories

Attachments shall be of corrosion-resistant materials. Wood Application: 16 Ga. 1-1/2" long (3/4" x 1" crown) staples @ 6" O.C. vertically/horizontally into the framing members. Masonry Application: Concrete stub nail, 3/8" (10 mm) head dia. Min. @ 6" O.C. vertically/horizontally or compatible adhesives, exterior gun-grade, construction adhesive with 1" dabs @ 6" O.C. or in a semi-continuous bead between the solid plaster base and the solid portion of the key attachment flange. Control Joints: Install control joint lathing accessories in conformance with C1063. Lath shall not be continuous through control joints, but shall be stopped and tied at each side. All accessories shall be in accordance with the latest ASTM C1063 & ASTM C1861.

R703.7.2 Plaster

Plastering with cement plaster shall be not less than three coats where applied over any type of code-approved lath and shall be not less than two coats where directly applied over masonry, concrete, clay brick, stone, or tile. If the plaster surface is completely covered by veneer or other facing material or is completely concealed, plaster application need be only two coats, provided total thickness is as set in Table R702.1(1).

Cement plaster shall be in accordance with ASTM C926 and material shall be in accordance with one of the types listed in R703.7.2.

R703.7.3 Water-Resistive Barriers

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 and any flashing (installed in accordance with Section R703.4) intended to drain to the water-resistive barrier is directed between the layers.

R703.2 Water-Resistive Barrier

Not fewer than one layer of water-resistive barrier shall be applied over studs or sheathing of all exterior walls with flashing as indicated in Section R703.4, in such a manner as to provide a continuous water-resistive barrier behind the exterior wall veneer. The water-resistive barrier material shall be continuous to the top of walls and terminated at penetrations and building appendages in a manner to meet the requirements of the exterior wall envelope as described in Section R703.1. Water-resistive barrier materials shall comply with one of the following:

1. No. 15 felt complying with ASTM D226, Type 1.
2. ASTM E2568, Type 1 or 2.
3. ASTM E331 in accordance with Section R703.11.
4. Other approved materials in accordance with the manufacturer's installation instructions.

No. 15 asphalt felt and water-resistive barriers complying with ASTM E2566 shall be applied horizontally, with the upper layer lapped over the lower layer not less than 2 inches (51mm), and where joints occur, shall be lapped not less than 6 inches (152 mm).

R703.4 Flashing

Approved metal flashing, vinyl flashing, self-adhered membranes and mechanically attached flexible flashing shall be applied shingle-fashion or in accordance with the manufacturer's instructions. Metal flashing shall be corrosion resistant. Fluid-applied membranes used as flashing shall be applied in accordance with the manufacturer's instructions. All flashing shall be applied in a manner to prevent the entry of water into the wall cavity or penetration of water to the building structural framing components.

Self-adhered membranes used as flashing shall comply with AAMA 711. All exterior fenestration products shall be sealed at the juncture with the building wall with a sealant complying with AAMA 800 or ASTM C920 Class 25 Grade NS or greater for proper joint expansion and contraction, ASTM C1281, AAMA 812, or other approved standard as appropriate for the type of sealant. Fluid-applied membranes used as flashing in exterior walls shall comply with AAMA 714. The flashing shall extend to the surface of the exterior wall finish.

Approved flashings shall be installed at the following locations.

- Exterior window/door openings.
- Intersection of chimneys or other masonry construction with frame walls.
- Under and at the ends of masonry, wood or metal copings and sills.
- Continuously above all projecting wood trim.
- Where exterior porches, decks or stairs attach to a wall or floor assembly of wood-frame construction.
- At wall and roof intersection.
- At Built-in gutters.

R703.12 Adhered Masonry Veneer

Adhered masonry veneer [or stone veneer] -installation shall comply with the requirements of Section R703.7.3 and the requirements in Sections 12.1 and 12.3 of TMS 402/ACI 530/ASCE 5. Adhered masonry veneer shall be installed in accordance with Sections R703.7.1, Article 3.3C of TMS 602/ACI 530.1/ASCE 6 or the manufacturer's instructions.

Coastal Flashings: all flashing material for coastal locations (ex. within 3,000 feet of the ocean) shall be corrosion resistant material (ex: zinc and/or stainless steel) and shall be selected for compatibility with adjacent wood preservatives per the manufacturer's recommendations.

- "CALCULATIONS BASED ON THE FOLLOWING VALUES"
- RIDGE VENTS - 15 SQ. IN. OF NET FREE AREA / LINEAR FT.
 - OFF-RIDGE VENTS - 140 SQ. IN. OF NET FREE AREA / UNIT
 - SOFFIT VENTS - 14.9 SQ. IN. OF NET FREE AREA / SQ. FT.

	ATTIC SPACE	1/150 Rule			1/300 Rule	
		SQ. IN. of ventilation required	SQ. FT. of vented soffit needed	LF of vented soffit provided	SQ. IN. of ventilation required	SQ. FT. of vented soffit needed
1st FLOOR PLAN	4218	4049.3	271.8	280	2024.6	45.4

1/150 Rule used for required ventilation.

VENTILATION PROVIDED		
	Amt.	Total Ventilation Provided (Sq. Inches)
Off-Ridge Vent (1st Floor)	2	280
Total Ventilation Provided by Upper Ventilators		280
1/150 Rule used; Off-Ridge Vents not part of Calculations		

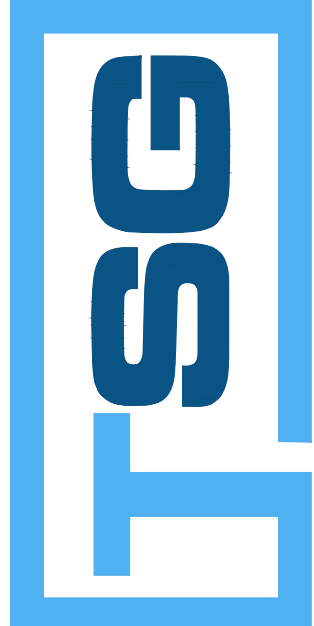
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To the best of the Engineer's knowledge, information and belief, the structural plans and specifications contained within these drawings comply with the Florida Building Code 8th Edition (2023) Residential. Engineer's signature and seal is only for the structural engineering portion of the drawing pages bearing Engineer's signature and seal.

CA No. 9161

AA26003115



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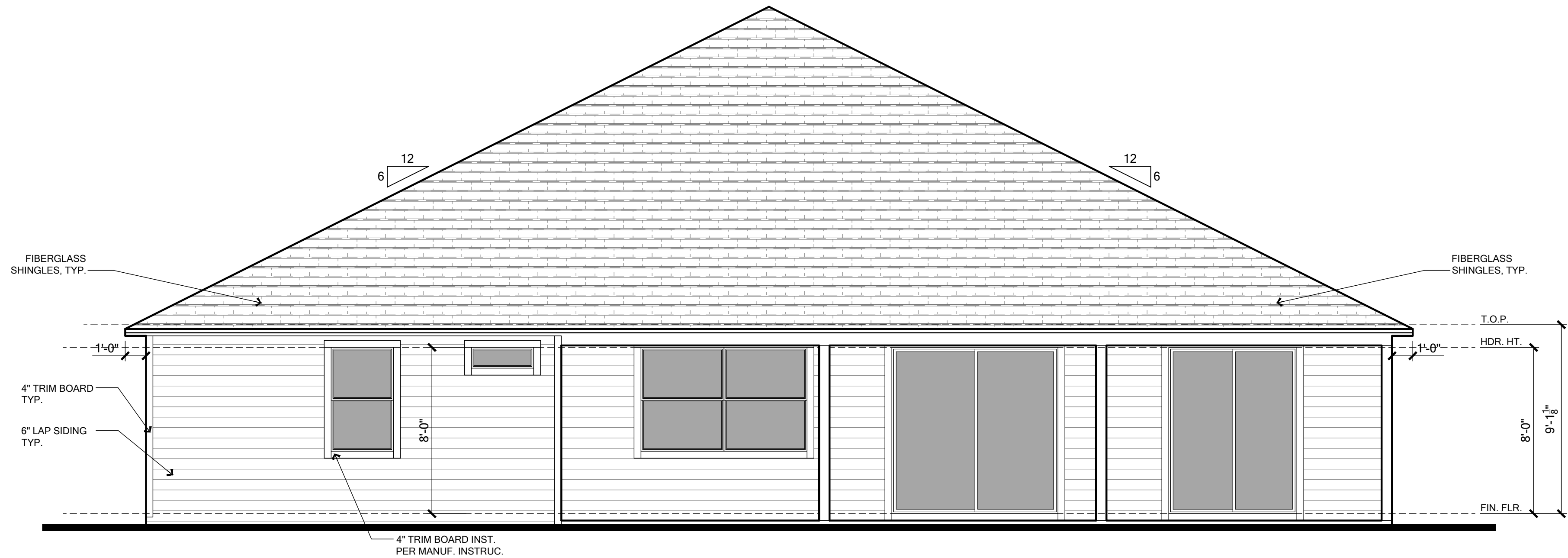
MARONDA
HomeSweet

3999 West First Street
Sanford, FL 32711
(407) 302-9871

Community: Forest Cove	Garage Side:	Left	
	Plan Name:	Livorno	
	Elev - J		
Lot: 6 Block:	Address:	TBD SW Cadence Glen Lake City, FL 32024	
	Address:		
	Address:		
Reference No.	25-00449		
Sheet:			

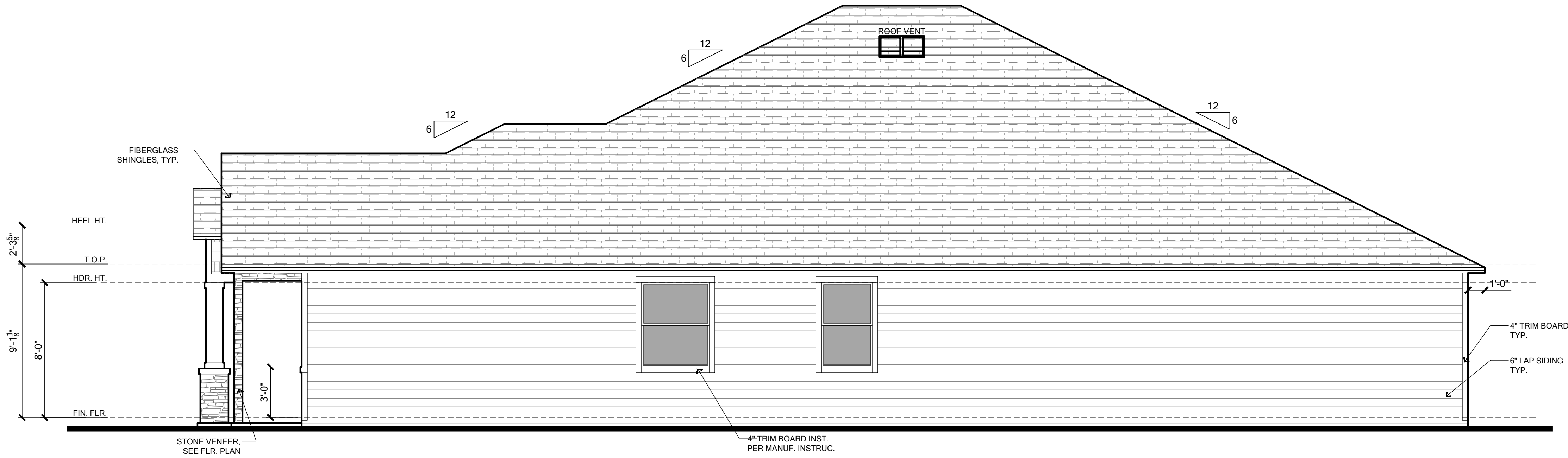
3.0

ELEVATIONS



REAR ELEVATION

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



RIGHT ELEVATION

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

ELEVATION NOTES

EAVE OVERHANG 12" ALUM. FASCIA AND SOFFITS, AND SOFFITS AND GABLE OVERHANG 9" ALUM. FASCIA AND SOFFITS, U.N.O. PLUMB CUT WITH LEVEL RETURNS

Banding/Stucco General Notes

- Etched Banding typical at Front Elevation.
- Raised banding to return 1'-0" around corner.
- Side and Rear elevations to have 4" etched banding unless otherwise noted.
- When installed with stone/brick veneer increase thickness of banding by 2" typical.

R703.7 Exterior Plaster

Installation of these materials shall be in compliance with ASTM C926, ASTM C1063, or ASTM C1787 and the provisions of this code.

R703.7.1 Lath

Lath and Lath attachments shall be of corrosion-resistant materials. Expanded metal or woven wire lath shall be attached with 1-1/2" long, 11 gage nails having a 7/16" head, or 1-1/2" long, 16 gage staples, spaced in accordance with ASTM C1063 or C1787, or as otherwise approved. (Refer to Sheet 5N for the engineered method for Lath attachment.)

Lathing Accessories

Attachments shall be of corrosion-resistant materials. Wood Application: 16 Ga. x 1-1/2" long (3/4" x 1" crown) staples @ 6" O.C. vertically/horizontally into the framing members. Masonry Application: Concrete stub nail, 3/8" (10 mm) head dia. Min. @ 6" O.C. vertically/horizontally or compatible adhesives, exterior gun-grade, construction adhesive with 1" dabs @ 6" O.C. or in a semi-continuous bead between the solid plaster base and the solid portion of the key attachment flange. Control Joints: Install control joint lathing accessories in conformance with C1063. Lath shall not be continuous through control joints, but shall be stopped and tied at each side. All accessories shall be in accordance with the latest ASTM C1063 & ASTM C1861.

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Plastering with cement plaster shall be not less than three coats where applied over any type of code-approved lath and shall be not less than two coats where directly applied over masonry, concrete, clay brick, stone, or tile. If the plaster surface is completely covered by veneer or other facing material or is completely concealed, plaster application need be only two coats, provided total thickness is as set in Table R702.1(1).

Cement plaster shall be in accordance with ASTM C926 and material shall be in accordance with one of the types listed in R703.7.2.

R703.7.3 Water-Resistive Barriers

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 and any flashing (installed in accordance with Section R703.4) intended to drain to the water-resistive barrier is directed between the layers.

R703.2 Water-Resistive Barrier

Not fewer than one layer of water-resistive barrier shall be applied over studs or sheathing of all exterior walls with flashing as indicated in Section R703.4, in such a manner as to provide a continuous water-resistive barrier behind the exterior wall veneer. The water-resistive barrier material shall be continuous to the top of walls and terminated at penetrations and building appendages in a manner to meet the requirements of the exterior wall envelope as described in Section R703.1. Water-resistive barrier materials shall comply with one of the following:

- No. 15 felt complying with ASTM D226, Type 1.
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- Other approved materials in accordance with the manufacturer's installation instructions.

No. 15 asphalt felt and water-resistive barriers complying with ASTM E2556 shall be applied horizontally, with the upper layer lapped over the lower layer not less than 2 inches (51mm), and where joints occur, shall be lapped not less than 6 inches (152 mm).

R703.4 Flashing

Approved metal flashing, vinyl flashing, self-adhered membranes and mechanically attached flexible flashing shall be applied shingle-fashion or in accordance with the manufacturer's instructions. Metal flashing shall be corrosion resistant. Fluid-applied membranes used as flashing shall be applied in accordance with the manufacturer's instructions. All flashing shall be applied in a manner to prevent the entry of water into the wall cavity or penetration of water to the building structural framing components.

Self-adhered membranes used as flashing shall comply with AAMA 711. All exterior fenestration products shall be sealed at the juncture with the building wall with a sealant complying with AAMA 800 or ASTM C920 Class 25 Grade NS or greater for proper joint expansion and contraction, ASTM C1281, AAMA 812, or other approved standard as appropriate for the type of sealant. Fluid-applied membranes used as flashing in exterior walls shall comply with AAMA 714. The flashing shall extend to the surface of the exterior wall finish.

Approved flashings shall be installed at the following locations.

- Exterior window/door openings.
- Intersection of chimneys or other masonry construction with frame walls.
- Under and at the ends of masonry, wood or metal copings and sills.
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- At wall and roof intersection.
- At Built-in gutters.

R703.12 Adhered Masonry Veneer

Adhered masonry veneer [or stone veneer] -installation shall comply with the requirements of Section R703.7.3 and the requirements in Sections 12.1 and 12.3 of TMS 402/ACI 530/ASCE 5. Adhered masonry veneer shall be installed in accordance with Sections R703.7.1, Article 3.3C of TMS 602/ACI 530.1/ASCE 6 or the manufacturer's instructions.

Coastal Flashings: all flashing material for coastal locations (ex. within 3,000 feet of the ocean) shall be corrosion resistant material (ex: zinc and/or stainless steel) and shall be selected for compatibility with adjacent wood preservatives per the manufacturer's recommendations.

"CALCULATIONS BASED ON THE FOLLOWING VALUES:"
• RIDGE VENTS - 15 SQ. IN. OF NET FREE AREA / LINEAR FT.
• OFF-RIDGE VENTS - 140 SQ. IN. OF NET FREE AREA / UNIT
• SOFFIT VENTS - 14.9 SQ. IN. OF NET FREE AREA / SQ. FT.

	ATTIC SPACE	1/150 Rule			1/300 Rule	
		SQ. IN. of ventilation required	SQ. FT. of vented soffit needed	LF of vented soffit provided	SQ. IN. of ventilation required	SQ. IN. of vented soffit needed
1st FLOOR PLAN	4218	4049.3	271.8	280	2024.6	45.4

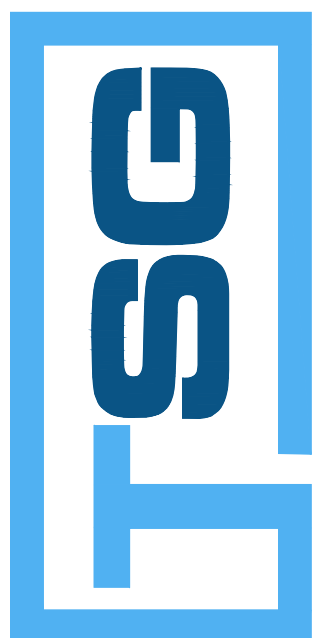
1/150 Rule used for required ventilation.

VENTILATION PROVIDED		
	Amt.	Total Ventilation Provided (Sq. Inches)
Off-Ridge Vent (1st Floor)	2	280
Total Ventilation Provided by Upper Ventilators		280
1/150 Rule used; Off-Ridge Vents not part of Calculations		

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To the best of the Engineer's knowledge, information and belief, the structural plans and specifications contained within these drawings comply with the Florida Building Code 8th Edition (2023) Residential. Engineer's signature and seal is only for the structural engineering portion of the drawing pages bearing Engineer's signature and seal.
CA No. 9161 AA26003115



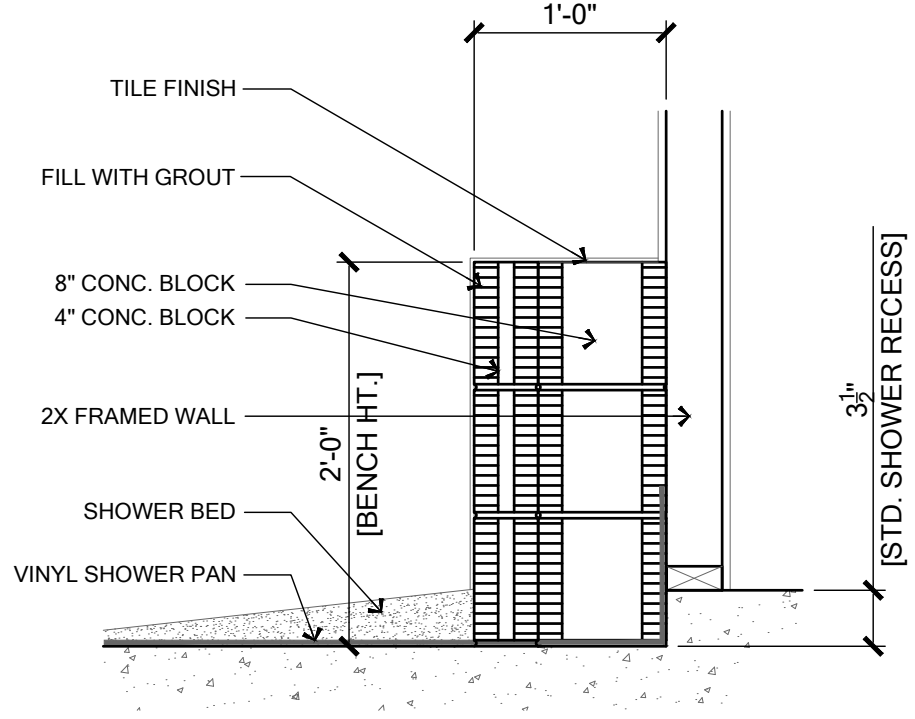
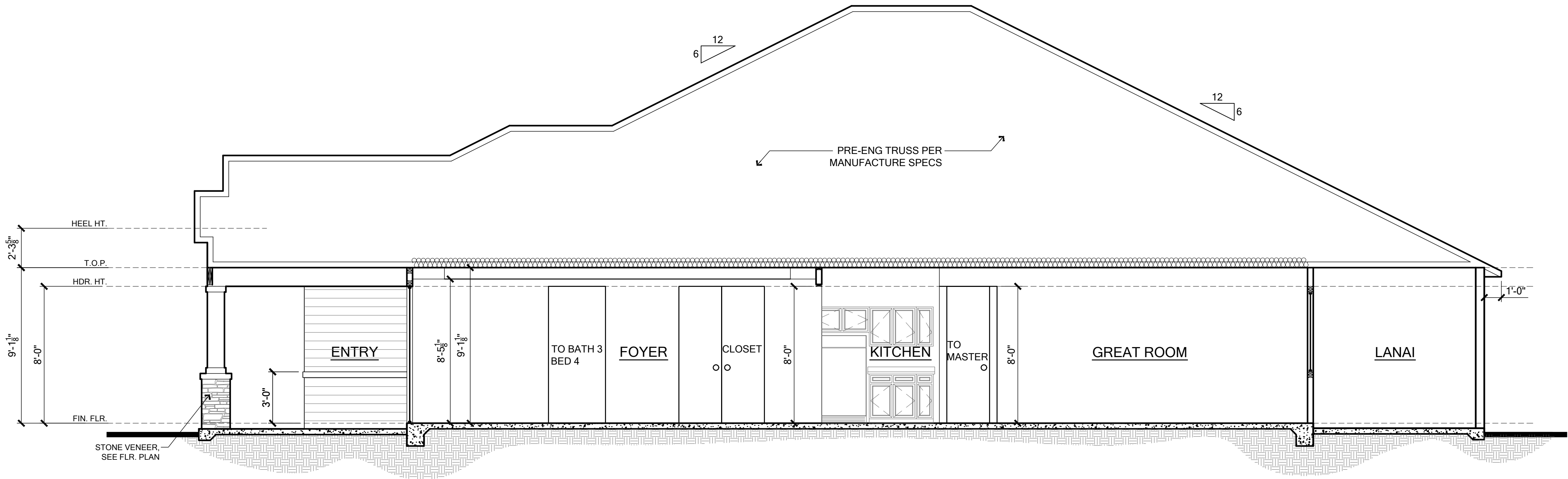
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(407) 880 2333

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MARONDA
HomeSweet
3999 West First Street
Sanford, FL 32771
(407) 302-9871

Community:	Forest Cove	Garage Side:	Left
	Plan Name: Livorno	Elev - J	
Lot:	6	Block:	
Address:	TBD SW Cadence Glen Lake City, FL 32024		
Ref No.	25-00449		

3.1
ELEVATIONS



SHOWER BENCH DETAIL B
SCALE: 1/2" = 1'-0" 4.0

To the best of the Engineer's knowledge, information and belief, the structural plans and specifications contained within these drawings comply with the Florida Building Code 8th Edition (2023) Residential. Engineer's signature and seal is only for the structural engineering portions of the drawing pages bearing Engineer's signature and seal.
CA No. 9161 AA26003115

TSG

TOTAL SOLUTIONS GROUP

258 Southhall Lane, Suite 200

Maitland, Florida, 32751

(407) 880 2333

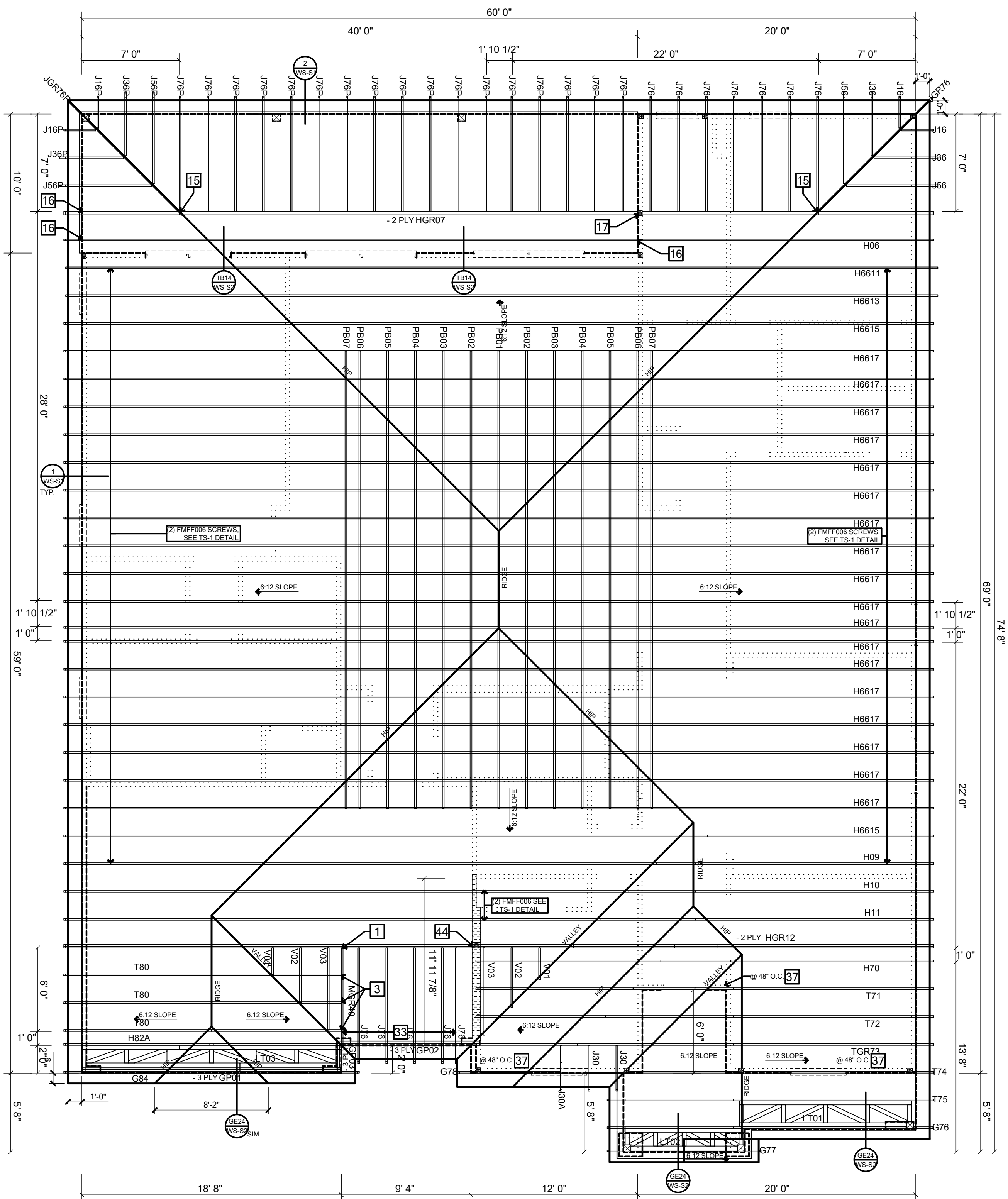
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MARONDA
Homes

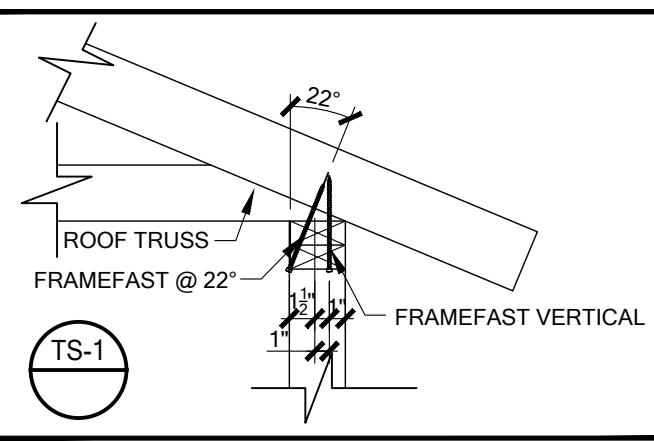
3999 West First Street
Sanford, FL 32771
(407) 302-9871

Community:	Forest Cove		Garage Side:	Left
	Plan Name:	Livorno		
Reference No.	Lot:	6	Address:	TBD SW Cadence Glen Lake City, FL 32024
	Block:			
Sheet:	25-00449		9FC0601	Renaissance Series
4.0				
BLDG. SECTION				

A BUILDING SECTION
SCALE: 1/4" = 1'-0" 4.0



BEAM SCHEDULE			USP HARDWARE 180° 81ST EDITION CATALOG			REV FOR 8TH EDITION FLORIDA CODE		
MARK	BEAM SIZE	CONNECTIONS	MARK	PRODUCT CODE	REF. NO.	FASTENERS	UPLIFT	ROOF 115% RATE
BMS1	(2) - 2 x 8 #2 SYP W/ 7/16" OSB FLITCH PLATE. NAIL BEAM TOGETHER USING (2) ROWS OF 12d NAILS @ 12" O.C. TYP EACH SIDE	PROVIDE (2) USP MSTA18 OR (2) USPHTW24 TO WOOD POST OR (2) USPTA18 TO CMU COL. U.N.O. ON ROOF OR FLOOR PLAN	1	HUS 26	HUS26	HEADER: (14) 16d TRUSS: (8) 16d	2045	3140
			2	HUS 28	HUS28	HEADER: (22) 16d TRUSS: (8) 16d	2990	4745
			3	JUS 26	LUS26	HEADER: (4) 16d TRUSS: (4) 16d	1050	1000
BMS2	(2) - 2 x 10 #2 SYP W/ 7/16" OSB FLITCH PLATE. NAIL BEAM TOGETHER USING (2) ROWS OF 12d NAILS @ 12" O.C. TYP EACH SIDE	PROVIDE (2) USP MSTA18 OR (2) USPHTW24 TO WOOD POST OR (2) USPTA18 TO CMU COL. U.N.O. ON ROOF OR FLOOR PLAN	12	THD 28-2	HTU28-2	HEADER: (28) 16d TRUSS: (16) 16d x 1-1/2"	2395	4880
			13	THD 28-3	HOU28-3	HEADER: (28) 16d TRUSS: (12) 16d x 1-1/2"	4345	8175
			14	THD 48	HU848	HEADER: (28) 16d TRUSS: (16) 16d x 1-1/2"	2395	4880
BMS3	(2) - 2 x 12 #2 SYP W/ 7/16" OSB FLITCH PLATE. NAIL BEAM TOGETHER USING (2) ROWS OF 12d NAILS @ 12" O.C. TYP EACH SIDE	PROVIDE (2) USP MSTA18 OR (2) USPHTW24 TO WOOD POST OR (2) USPTA18 TO CMU COL. U.N.O. ON ROOF OR FLOOR PLAN	15	HJC28	THJ28	HJP: (5) 16d HEADER: (16) 16d JACK: (7) 16d	2345	3055
			28	HJC28-SK60	LTHJ28, THJ28	HJP: (5) 16d HEADER: (16) 16d JACK: (7) 16d	2345	3055
			60	HUS179	HUS18110	HEADER: (28) 16d TRUSS: (10) 16d	4110	6060
BMS4	3 1/2" x 9 1/2" GLULAM (1.9E / Fb=2,400 PSI)	PROVIDE (2) USP MSTA18 OR (2) USPHTW24 TO WOOD POST OR (2) USPTA18 TO CMU COL. U.N.O. ON ROOF OR FLOOR PLAN	71	HD410	HU410	HEADER: (22) 16d TRUSS: (10) 16d	1950	3475
			72	THD210-3	HU210-3	HEADER: (28) 16d TRUSS: (20) 16d	4035	7255
			73	HD48 IF	HU48	HEADER: (14) 3/16" x 1 3/4" CMU; (14) 16d FRM JOIST/BEAM: (8) 10d	2430	1170
BMS5	3 1/2" x 11 1/2" GLULAM (1.9E / Fb=2,400 PSI)	PROVIDE (2) USP MSTA18 OR (2) USPHTW24 TO WOOD POST OR (2) USPTA18 TO CMU COL. U.N.O. ON ROOF OR FLOOR PLAN	74	HD410 IF	HU410	HEADER: (28) 3/16" x 1 3/4" CMU; (28) 16d FRM JOIST/BEAM: (10) 10d	3475	1950
			75	LQUM410	LQUM410-SDS	SOLID POUR CMU: (8) 3/4" x 4" JOIST/BEAM: (8) W3 SCREWS	3350	9955
			76	HD28-2 IF	HU28-2	HEADER: (14) 3/16" x 1 3/4" CMU; (14) 16d FRM JOIST/BEAM: (8) 10d	1170	2430
BMS6	5 1/2" x 16" GLULAM (1.9E / Fb=2,400 PSI)	PROVIDE (2) USP MSTA18 OR (2) USPHTW24 TO WOOD POST OR (2) USPTA18 TO CMU COL. U.N.O. ON ROOF OR FLOOR PLAN	CONNECTORS FOR TRUSS TO WALL					
			N	16d NAILS - (2) TOP CHORD NAILS / (2) BOTTOM CHORD NAILS				
			6" LONG TRUSS SCREW	FMFF006 SOWC 15600	FASTEN MASTER FRAMEFAST SIMPSON STRONG DRIVE		690 / 2-1105	NA
BMS7	3 1/2" x 16" GLULAM (1.9E / Fb=2,400 PSI)	PROVIDE (2) USP MSTA18 OR (2) USPHTW24 TO WOOD POST OR (2) USPTA18 TO CMU COL. U.N.O. ON ROOF OR FLOOR PLAN	(2) 6" LONG TRUSS SCREW	FMFF006 SOWC 15600	FASTEN MASTER FRAMEFAST SIMPSON STRONG DRIVE		1105	615
			16	MTW12	MTS12	(25) 16d	2370	
			17	(2) MUGT 15	MG	CMU: (28) 10d (1) 5/8" THREADED ROD 12" EMBED FRAME: (28) 16d, PHDA W/ (10) W3 SCREWS & (1) 5/8" THREADED ROD	5480	
BMS8	3 1/2" x 14" GLULAM (1.9E / Fb=2,400 PSI)	PROVIDE (2) USP MSTA18 OR (2) USPHTW24 TO WOOD POST OR (2) USPTA18 TO CMU COL. U.N.O. ON ROOF OR FLOOR PLAN	18	(2) RT16-2	RT16-2	PLATE: (16) 8d TRUSS: (16) 8d	2130	
			19	(2) MSTA24	MTS24	(16) 16d	3380	
			20	RT6A	H8	FRAME: (5) 16d x 1-1/2" TRUSS: (5) 16d x 1-1/2"	750	
BMS9	5 1/2" x 16" GLULAM (1.9E / Fb=2,400 PSI)	PROVIDE (2) USP MSTA18 OR (2) USPHTW24 TO WOOD POST OR (2) USPTA18 TO CMU COL. U.N.O. ON ROOF OR FLOOR PLAN	22	FA3	MAS	TOP: (6) 16d x 1-1/2" SIDE: (2) 10d x 1-1/2"	1350	
			25	HTA20	HETA20	(10) 16d x 1-1/2"	1870	
			26	(2) HTA20	(2) HETA20	(20) 16d x 1-1/2"	2430	
BMS10	3 1/2" x 14" GLULAM (1.9E / Fb=2,400 PSI)	PROVIDE (2) USP MSTA18 OR (2) USPHTW24 TO WOOD POST OR (2) USPTA18 TO CMU COL. U.N.O. ON ROOF OR FLOOR PLAN	27	HTW24	HTS24	(20) 10d	1355	
			31	LPTA	LTA24	(16) 16d x 1-1/2" FACE OF GABLE W2X4	1470	
			33	LTW12	LTS12	(17) 16d	1425	
BMS11	5 1/2" x 16" GLULAM (1.9E / Fb=2,400 PSI)	PROVIDE (2) USP MSTA18 OR (2) USPHTW24 TO WOOD POST OR (2) USPTA18 TO CMU COL. U.N.O. ON ROOF OR FLOOR PLAN	36	KST27	MTS27	(24) 16d NAILS (4) 12 BOLTS	4215	2190
			37	LST24	LSTA24	(16) 16d NAILS	1235	
			38	MSTA18	MTS18	(16) 16d	835	
BMS12	5 1/2" x 16" GLULAM (1.9E / Fb=2,400 PSI)	PROVIDE (2) USP MSTA18 OR (2) USPHTW24 TO WOOD POST OR (2) USPTA18 TO CMU COL. U.N.O. ON ROOF OR FLOOR PLAN	38	MSTA18	MTS18	(14) 10d	1510	
			39	MSTA24	MTS24	(18) 16d	1940	
			40	MSTA30	MTS30	(22) 10d	2065	
BMS13	5 1/2" x 16" GLULAM (1.9E / Fb=2,400 PSI)	PROVIDE (2) USP MSTA18 OR (2) USPHTW24 TO WOOD POST OR (2) USPTA18 TO CMU COL. U.N.O. ON ROOF OR FLOOR PLAN	41	MTW12	MTS12	(14) 10d	1185	
			43	MSTM36	MSTM36	CONCRETE/CMU: (8) 1/4" x 2-1/4" TAPCON FRAME: (13) 16d	1945	TENSION
			44	MUGT 15	MG	CMU: (28) 10d (1) 5/8" THREADED ROD 12" EMBED FRAME: (28) 16d, PHDA W/ (10) W3 SCREWS & (1) 5/8" THREADED ROD	4240	
BMS14	5 1/2" x 16" GLULAM (1.9E / Fb=2,400 PSI)	PROVIDE (2) USP MSTA18 OR (2) USPHTW24 TO WOOD POST OR (2) USPTA18 TO CMU COL. U.N.O. ON ROOF OR FLOOR PLAN	46	MSTC40	MSTC40	CONCRETE/CMU: (14) 1/4" x 2-1/4" TAPCON FRAME: (24) 16d NAILS (16) 12 BOLTS	2690	2725
			47	MSTC60	MSTC60	CONCRETE/CMU: (14) 1/4" x 2-1/4" TAPCON FRAME: (24) 16d OR (20) 16d	3665	TENSION
			48	RT16A	H16A	PLATE: (8) 8d TRUSS: (8) 16d x 1-1/2"	1025	
BMS15	5 1/2" x 16" GLULAM (1.9E / Fb=2,400 PSI)	PROVIDE (2) USP MSTA18 OR (2) USPHTW24 TO WOOD POST OR (2) USPTA18 TO CMU COL. U.N.O. ON ROOF OR FLOOR PLAN	49	UPD8	HDQ8-SDS3	(1) 7/8" THREADED ROD, 8" EPOXY EMBED. (24) W3 SCREWS	9165	
			50	DTB-TZ	DTT2Z	(1) 1/2" x 6" HD SCREW (PHD1411680) (7) W3-6.5T SCREWS	1635	TENSION
			51	PAU66	ABU44	(1) 5/8" x 8" HD SCREW (PHD1411680) (12) 16d NAILS OR (2) 1/2 BOLT	2455- NAILS 2365- BOLTS	
BMS16	5 1/2" x 16" GLULAM (1.9E / Fb=2,400 PSI)	PROVIDE (2) USP MSTA18 OR (2) USPHTW24 TO WOOD POST OR (2) USPTA18 TO CMU COL. U.N.O. ON ROOF OR FLOOR PLAN	53	PAU44	ABU44	(1) 5/8" x 8" HD SCREW (PHD1411680) (12) 16d NAILS OR (2) 1/2 BOLT	2555- NAILS 2365- BOLTS	
			54	PHD8	HU8-SDS2.5	(1) 7/8" THREADED ROD, 8" EPOXY EMBED. (16) W3 WOOD SCREWS	8185	
			56	PHD4A	HU4-SDS2.5	STRAP: (16) W3 WOOD SCREWS CMU: 5/8" THREADED ROD, 8" EPOXY EMBED FND: 5/8" x 8" HD SCREW (PHD1411680)	5215	
BMS17	5 1/2" x 16" GLULAM (1.9E / Fb=2,400 PSI)	PROVIDE (2) USP MSTA18 OR (2) USPHTW24 TO WOOD POST OR (2) USPTA18 TO CMU COL. U.N.O. ON ROOF OR FLOOR PLAN	58	HGAM 19KT	HGAM19KTA	RAFTER/BEAM: (4) WS15 CMU BEAM: (4) 1/4" x 1 3/4" TAPCON	580	
			57	LUG74	LG74-SDS3	FRM: (24) 16d SINKER CMU: (4) 3/8" x 6" TAPCON TOP PLATE: (4) 16d SINKER TRUSS: (16) W3 SCREW	4725	
			56	PHD2A	HU2-SDS2.5	STRAP: (8) W3 WOOD SCREWS CMU: 5/8" THREADED ROD, 8" EPOXY EMBED FND: 5/8" x 8" HD SCREW (PHD1411680)	3215	
BMS18	5 1/2" x 16" GLULAM (1.9E / Fb=2,400 PSI)	PROVIDE (2) USP MSTA18 OR (2) USPHTW24 TO WOOD POST OR (2) USPTA18 TO CMU COL. U.N.O. ON ROOF OR FLOOR PLAN	59	KST216	ST6216	(25) 16d	2965	
			64	HGA 19KT	HGA19KT	RAFTER/BEAM: (4) WS15 TOP PLATE: (4) W3	790	
			65	LUG72	LG72	STUDS: (14) 16d TOP PLATE: (2) 16d TRUSS: (16) 10d	2020	
BMS19	5 1/2" x 16" GLULAM (1.9E / Fb=2,400 PSI)	PROVIDE (2) USP MSTA18 OR (2) USPHTW24 TO WOOD POST OR (2) USPTA18 TO CMU COL. U.N.O. ON ROOF OR FLOOR PLAN	66	(2) LUG72	(2) LG72	STUDS: (14) 16d TOP PLATE: (2) 16d TRUSS: (16) 10d	4040	
			67	LUG73	LG73-SDS2.5	FRM: (24) 16d SINKER CMU: (4) 3/8" x 6" TAPCON TOP PLATE: (4) 16d SINKER TRUSS: (12) W3 SCREW	3500	
			69	HTT45	HTT5	STRAP: (28) 16d or (28) 16d CMU: 5/8" THREADED ROD, 12" EPOXY EMBED FND: 5/8" x 8" HD SCREW (PHD1411680)	5795	



RSH ENGINEERED ROOF PER ASCE 7-22 ROOF DESIGN ALLOWABLE COMPONENTS AND CLADDING WIND PRESSURES AND SUCTIONS FOR MEAN ROOF HEIGHT ≤ 25 ft									
WIND SPEED (ULTIMATE)		140 MPH		WIND PRESSURE AND SUCTION (PSF)		EFFECTIVE WIND AREA (SQ FEET)			
WIND SPEED (ALLOWABLE)		108 MPH		WIND PRESSURE AND SUCTION (PSF)		EFFECTIVE WIND AREA (SQ FEET)			
EXPOSURE CATEGORY		B		WIND PRESSURE AND SUCTION (PSF)		EFFECTIVE WIND AREA (SQ FEET)			
AREA		AREA		AREA		EFFECTIVE WIND AREA (SQ FEET)			
ROOF		ROOF		ROOF		EFFECTIVE WIND AREA (SQ FEET)			
HP		HP		HP		EFFECTIVE WIND AREA (SQ FEET)			
10		10		10		EFFECTIVE WIND AREA (SQ FEET)			
GABLE		GABLE		GABLE		EFFECTIVE WIND AREA (SQ FEET)			
28-29		28-29		28-29		EFFECTIVE WIND AREA (SQ FEET)			
-36.75		-36.75		-36.75		EFFECTIVE WIND AREA (SQ FEET)			
-45.12		-45.12		-45.12		EFFECTIVE WIND AREA (SQ FEET)			
-53.58		-53.58		-53.58		EFFECTIVE WIND AREA (SQ FEET)			
-61.75		-61.75		-61.75		EFFECTIVE WIND AREA (SQ FEET)			
-70.00		-70.00		-70.00		EFFECTIVE WIND AREA (SQ FEET)			
-78.25		-78.25		-78.25		EFFECTIVE WIND AREA (SQ FEET)			
-86.50		-86.50		-86.50		EFFECTIVE WIND AREA (SQ FEET)			
-94.75		-94.75		-94.75		EFFECTIVE WIND AREA (SQ FEET)			
-103.00		-103.00		-103.00		EFFECTIVE WIND AREA (SQ FEET)			
-111.25		-111.25		-111.25		EFFECTIVE WIND AREA (SQ FEET)			
-119.50		-119.50		-119.50		EFFECTIVE WIND AREA (SQ FEET)			
-127.75		-127.75		-127.75		EFFECTIVE WIND AREA (SQ FEET)			
-136.00		-136.00		-136.00		EFFECTIVE WIND AREA (SQ FEET)			
-144.25		-144.25		-144.25		EFFECTIVE WIND AREA (SQ FEET)			
-152.50		-152.50		-152.50		EFFECTIVE WIND AREA (SQ FEET)			
-160.75		-160.75		-160.75		EFFECTIVE WIND AREA (SQ FEET)			
-169.00		-169.00		-169.00		EFFECTIVE WIND AREA (SQ FEET)			
-177.25		-177.25		-177.25		EFFECTIVE WIND AREA (SQ FEET)			
-185.50		-185.50		-185.50		EFFECTIVE WIND AREA (SQ FEET)			
-193.75		-193.75		-193.75		EFFECTIVE WIND AREA (SQ FEET)			
-202.00		-202.00		-202.00		EFFECTIVE WIND AREA (SQ FEET)			
-210.25		-210.25		-210.25		EFFECTIVE WIND AREA (SQ FEET)			
-218.50		-218.50		-218.50		EFFECTIVE WIND AREA (SQ FEET)			
-226.75		-226.75		-226.75		EFFECTIVE WIND AREA (SQ FEET)			
-235.00		-235.00		-235.00		EFFECTIVE WIND AREA (SQ FEET)			
-243.25		-243.25		-243.25		EFFECTIVE WIND AREA (SQ FEET)			
-251.50		-251.50		-251.50		EFFECTIVE WIND AREA (SQ FEET)			
-259.75		-259.75		-259.75		EFFECTIVE WIND AREA (SQ FEET)			
-268.00		-268.00		-268.00		EFFECTIVE WIND AREA (SQ FEET)			
-276.25		-276.25		-276.25		EFFECTIVE WIND AREA (SQ FEET)			
-284.50		-284.50		-284.50		EFFECTIVE WIND AREA (SQ FEET)			
-292.75		-292.75		-292.75		EFFECTIVE WIND AREA (SQ FEET)			
-301.00		-301.00		-301.00		EFFECTIVE WIND AREA (SQ FEET)			
-309.25		-309.25		-309.25		EFFECTIVE WIND AREA (SQ FEET)			
-317.50		-317.50		-317.50		EFFECTIVE WIND AREA (SQ FEET)			
-325.75		-325.75		-325.75		EFFECTIVE WIND AREA (SQ FEET)			
-334.00		-334.00		-334.00		EFFECTIVE WIND AREA (SQ FEET)			
-342.25		-342.25		-342.25		EFFECTIVE WIND AREA (SQ FEET)			
-350.50		-350.50		-350.50		EFFECTIVE WIND AREA (SQ FEET)			

HP: ROOF -20 TO 25.6 ft
HP: GABLE -12 TO 12.6 ft
HP: WALL -12 TO 12.6 ft

ROOF NAILING SCHEMATIC: NAILING ZONES (SHINGLE AND TILE)

ZONE 1: ASTIM F1667 RSH-80 (80) NAILS @ 4" O.C. ON EDGE & 6" O.C. IN FIELD

ZONE 2: ASTIM F1667 RSH-80 (80) NAILS @ 4" O.C. ON EDGE & 6" O.C. IN FIELD

ZONE 3: ASTIM F1667 RSH-80 (80) NAILS @ 4" O.C. ON EDGE & 6" O.C. IN FIELD

ROOF SHEATHING

SINGLE-MATERIAL 7/16" STRUCT 1 ZIP ROOF SYSTEM

1/2" 15/32" STRUCT 1 ZIP ROOF SYSTEM

NOTE:

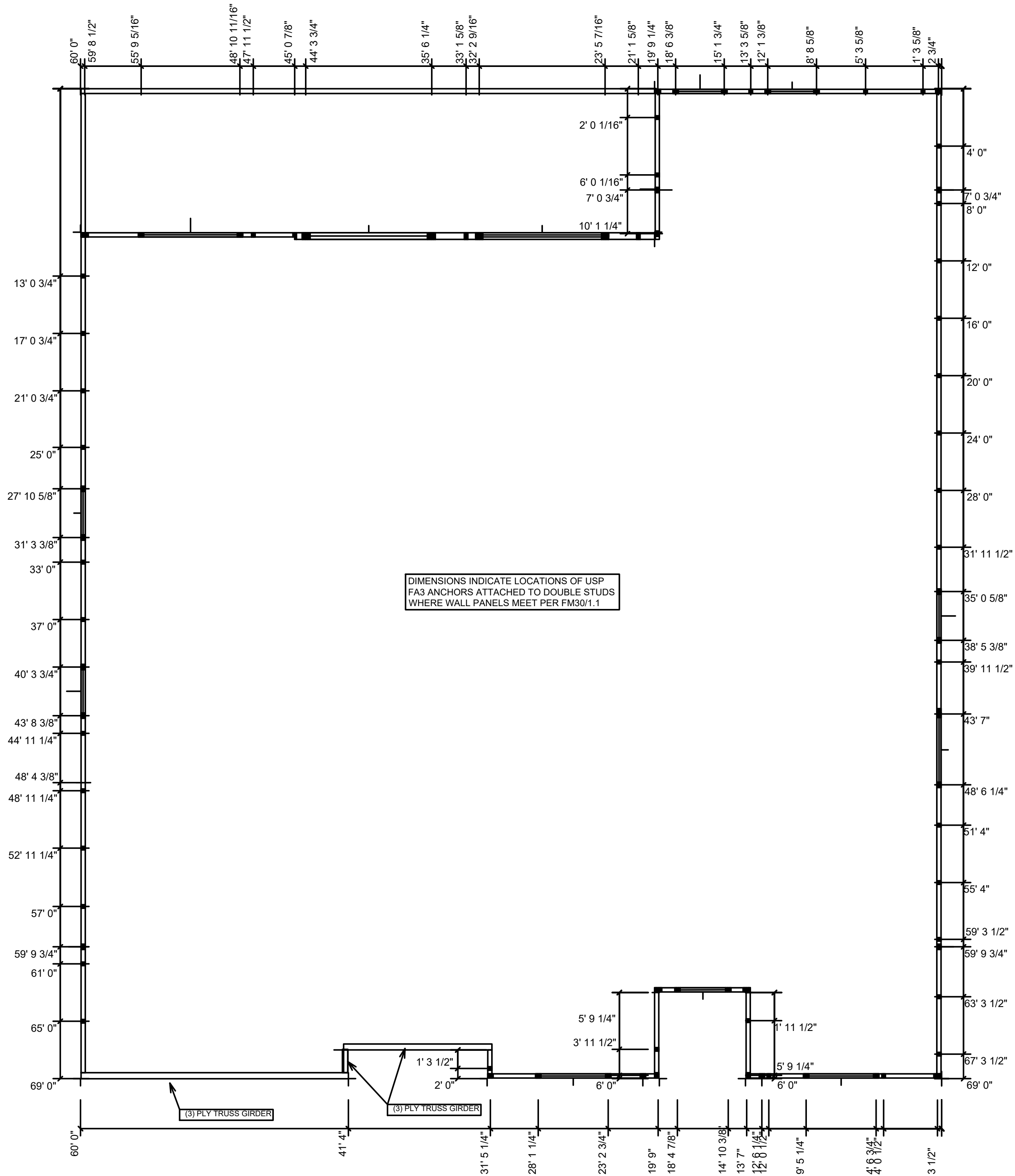
1. PER CODE F1667 RSH-80 A REFERENCE TO 24 (2x 4 @ 13/16" NAILS) WHERE THE SHEATHING THICKNESS IS 1/2" (2x 4 @ 13/16" NAILS) SHALL BE FASTENED WITH ASTIM F1667 RSH-80 (2x 4 @ 13/16" NAILS) AT 4" O.C. ON EDGE & 6" O.C. IN FIELD.

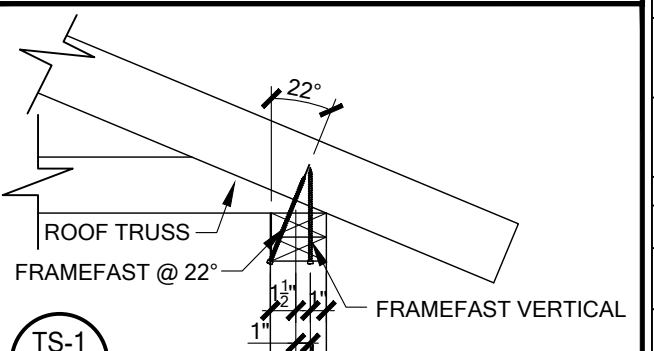
2. GABLES: DROPPED GABLE END & (1) ADDITIONAL DROPPED TRUSS 24x42 ZIP OUTLOOKER RAFTER W/ CLADDING @ 16" O.C. IN DROPPED GABLE END, ATTACH 24x42 ZIP BLOCKING @ 16" O.C. FIRST 4 BAYS FROM GABLE END & 16" O.C. THEREAFTER TO RAFTERS W/ BLOCKING PER NAILING SCHEDULE.

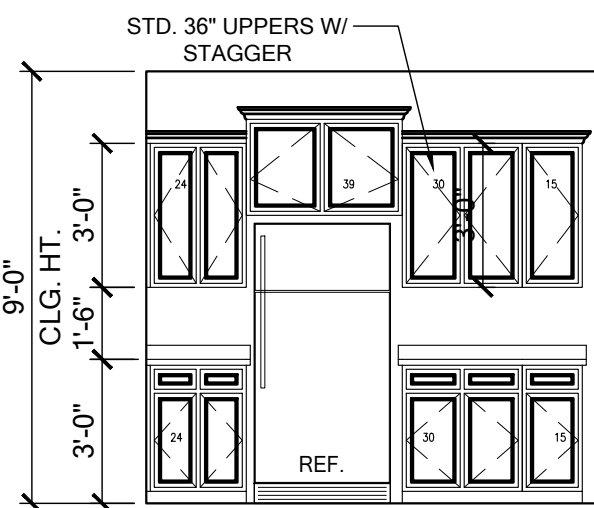
3. IN ACCORDANCE WITH FBC RESIDENTIAL SECTION R301.3 ENGINEERED DESIGN, WE CONFIRM THAT THE PLYWOOD SHEATHING DESIGN IS ADEQUATE FOR THIS PROJECT AND CAN BE UTILIZED IN PLACE OF THE SHEATHING INDICATED ON THE PLAN.

4. WE HAVE REVIEWED THE ROOF SHEATHING REQUIREMENTS FOR THIS PROJECT IN ACCORDANCE WITH THE STRUCTURAL REQUIREMENTS OF THE STRUCTURE. WE APPROVE AND CERTIFY THE SHEATHING INDICATED ON THE PLAN TO BE ADEQUATE TO SUPPORT THE WIND LOADS FOR THIS ROOF.

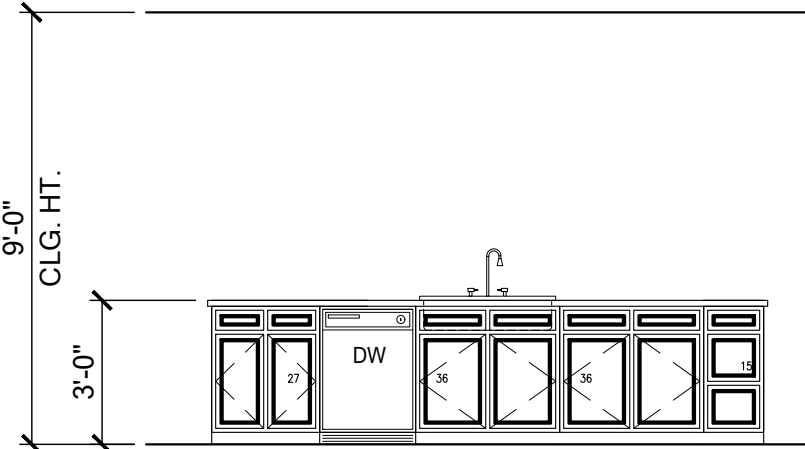
5. ENGINEERED DESIGN CALCULATIONS HAVE BEEN PERFORMED FOR USE IN AREAS NOT EXCEEDING THE WIND SPEED AND EXPOSURE OF 156 MPH. EXC. IF: IF THE WIND SPEED DESIGN EXCEEDS 156 MPH THE WIND SPEED SHALL BE REFERENCED TO THE NAILING LISTED IN THE RSH chart FOR THE CORRESPONDING WIND SPEED OR EXCEED THE NAILED SIZE AND SPACING REQUIREMENTS LISTED IN R803.2.3.1.



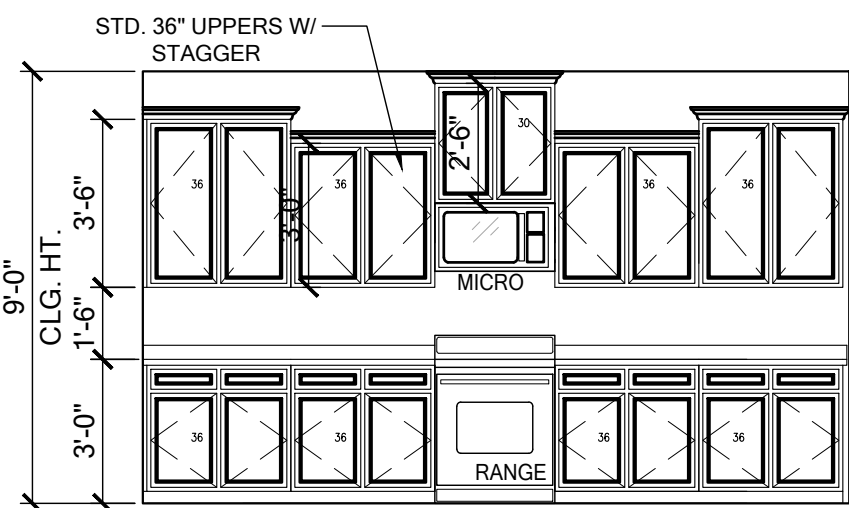
BEAM SCHEDULE			USP HARDWARE 160% 61ST EDITION CATALOG				REV FOR 8TH EDITION FLORIDA CODE		
MARK	BEAM SIZE	CONNECTIONS	MARK	PRODUCT CODE	REF. NO.	FASTENERS	UPLIFT	SALE PRICE	
BMS1	(2) - 2 x 8 #2 SYP W/ 7/16" OSB FLUTCH PLATE. NAIL BEAM TOGETHER USING (2) ROWS OF 12d NAILS @ 12" O.C. TYP EACH SIDE	PROVIDE (2) USP MSTA18 OR (2) USPHWTW24 TO WOOD POST OR (2) USPTA18 TO CMU COL. U.N.O. ON ROOF OR FLOOR PLAN	HANGERS FOR TRUSS TO TRUSS CONNECTION						
			1	HUS 26	HUS26	HEADER: (14) 16d TRUSS: (8) 16d	2045	3140	
			2	HUS 28	HUS28	HEADER: (22) 16d TRUSS: (8) 16d	2990	4745	
BMS2	(2) - 2 x 10 #2 SYP W/ 7/16" OSB FLUTCH PLATE. NAIL BEAM TOGETHER USING (2) ROWS OF 12d NAILS @ 12" O.C. TYP EACH SIDE	PROVIDE (2) USP MSTA18 OR (2) USPHWTW24 TO WOOD POST OR (2) USPTA18 TO CMU COL. U.N.O. ON ROOF OR FLOOR PLAN	3	JUS 26	LUS26	HEADER: (4) 16d TRUSS: (4) 16d	1050	1000	
			12	THD 28-2	HTU28-2	HEADER: (28) 16d TRUSS: (12) 16d X 1-1/2"	2895	4880	
			13	THD 28-3	HOU28-3	HEADER: (28) 16d TRUSS: (12) 16d X 1-1/2"	4345	8175	
BMS3	(2) - 2 x 12 #2 SYP W/ 7/16" OSB FLUTCH PLATE. NAIL BEAM TOGETHER USING (2) ROWS OF 12d NAILS @ 12" O.C. TYP EACH SIDE	PROVIDE (2) USP MSTA18 OR (2) USPHWTW24 TO WOOD POST OR (2) USPTA18 TO CMU COL. U.N.O. ON ROOF OR FLOOR PLAN	14	THD 48	HRUS48	HEADER: (28) 16d TRUSS: (16) 16d X 1-1/2"	2895	4980	
			15	HJC26	THAJ26	HP: (5) 16d HEADER: (16) 16d JACK: (7) 16d	2345	3055	
			28	HJC26-SK60	LTHAJ26, THAJ26	HP: (5) 16d HEADER: (16) 16d JACK: (7) 16d	2345	3055	
BMS4	3 1/2" x 9 1/2" GLULAM (1.9E / Fb=2,400 PSI)	PROVIDE (2) USP MSTA18 OR (2) USPHWTW24 TO WOOD POST OR (2) USPTA18 TO CMU COL. U.N.O. ON ROOF OR FLOOR PLAN	60	HUS179	HUS18110	HEADER: (28) 16d TRUSS: (15) 16d	4110	6060	
			71	HD410	HU410	HEADER: (22) 16d TRUSS: (15) 16d	1950	3475	
			72	THD216-3	HRUS216-3	HEADER: (28) 16d TRUSS: (20) 16d	4035	7255	
BMS5	3 1/2" x 11 1/2" GLULAM (1.9E / Fb=2,400 PSI)	PROVIDE (2) USP MSTA18 OR (2) USPHWTW24 TO WOOD POST OR (2) USPTA18 TO CMU COL. U.N.O. ON ROOF OR FLOOR PLAN	73	HD48 IF	HU48	HEADER: (14) 3/16 X 1-3/4" CMU; (14) 16d FRM JOIST/BEAM: (6) 16d	2430	1170	
			74	HD410 IF	HU410	HEADER: (28) 3/16 X 1-3/4" CMU; (28) 16d FRM JOIST/BEAM: (10) 16d	3475	1950	
			75	LDUM410	LDUM410-SDS	SOLID POUR CMU: (8) 3/4 X 4" JOIST/BEAM: (8) 16d STRONG DRIVE	3350	9905	
BMS6	3 1/2" x 16" GLULAM (1.9E / Fb=2,400 PSI)	PROVIDE (2) USP MSTA18 OR (2) USPHWTW24 TO WOOD POST OR (2) USPTA18 TO CMU COL. U.N.O. ON ROOF OR FLOOR PLAN	76	HD28-2 IF	HU28-2	HEADER: (14) 3/16 X 1-3/4" CMU; (14) 16d FRM JOIST/BEAM: (6) 16d	1170	2430	
BMS7	5 1/2" x 16" GLULAM (1.9E / Fb=2,400 PSI)	PROVIDE (2) USP MSTA18 OR (2) USPHWTW24 TO WOOD POST OR (2) USPTA18 TO CMU COL. U.N.O. ON ROOF OR FLOOR PLAN							
BMS8	3 1/2" x 14" GLULAM (1.9E / Fb=2,400 PSI)	PROVIDE (2) USP MSTA18 OR (2) USPHWTW24 TO WOOD POST OR (2) USPTA18 TO CMU COL. U.N.O. ON ROOF OR FLOOR PLAN							
GENERAL BEAM NOTES			CONNECTORS FOR TRUSS TO WALL						
1. VERIFY WITH PLAN CORRECT LENGTH OF BEAMS REQUIRED (MIN 4" BEARING EACH END) 2. SEE PLAN FOR TOP OR BOTTOM OF BEAM INDICATIONS 3. BEAMS ARE NOT TO BE DRILLED OR NOTCHED IN ANY WAY WITHOUT WRITTEN APPROVAL FROM THE E.O.R.			16d NAILS - (2) TOP CHORD NAILS / (2) BOTTOM CHORD NAILS						
U.N.O. ON ROOF FRAMING PLAN									
- TRUSS TO WOOD FRAMING: (1) 6" LG. FRAMEFAST FMFF006 TRUSS SCREW w/ (2) 10d TOENAILS									
JACK TRUSSES TO GIRDER TRUSS SHALL BE NAILED TOP/BOTTOM CHORD. FOR VALLEY SET TRUSSES, SEE ENGINEERING TRUSS PACKAGE FOR CORRECT CONNECTION [VC1]									
ROOF FRAMING NOTES									
SHINGLE, METAL OR TILE ROOFING SYSTEM (SEE ARCH.) OVER APPROVED UNDERLAYMENT, OVER SHEATHING PER ENGINEERED ROOF SPECIFICATIONS (SEE FRAMING PLAN) ON PRE-ENGINEERED WOOD TRUSSES AT 2'-0" O.C. MAX OR CONVENTIONAL FRAME ROOF. (SEE PLAN FOR SIZE, SPACING, TYPICAL ROOF SLOPE, AND OTHER INFORMATION)									
ATTN: BUILDING DEPARTMENT									
PLEASE NOTE THAT TRUSS LABELS MAY VARY BUT, IF THE TRUSS LAYOUT SHOWN DOES NOT MATCH THE TRUSS MANUFACTURERS LAYOUT PLEASE CONTACT THE ENGINEER OF RECORD PRIOR TO PLACEMENT OF ANY TRUSSES.									
DRAFTSTOPPING DETAIL									
R302.6 THE GARAGE SHALL BE SEPARATED FROM THE RESIDENCE AND ITS ATTIC BY NOT LESS THAN 1/2-INCH (12.7MM) GYPSUM BOARD APPLIED TO THE GARAGE SIDE. GARAGE BENEATH ROOMS SHALL BE SEPARATED FROM ALL HABITABLE ROOMS ABOVE BY NOT LESS THAN 5/8-INCH (15.9MM) TYPE X GYPSUM BOARD OR EQUIVALENT, WHERE THE SEPARATION IS A FLOOR CEILING ASSEMBLY. THE STRUCTURE SUPPORTING THE SEPARATION SHALL ALSO BE PROTECTED BY NOT LESS THAN 1/2-INCH (12.7MM) GYPSUM BOARD OR EQUIVALENT.									
									
TS-1									



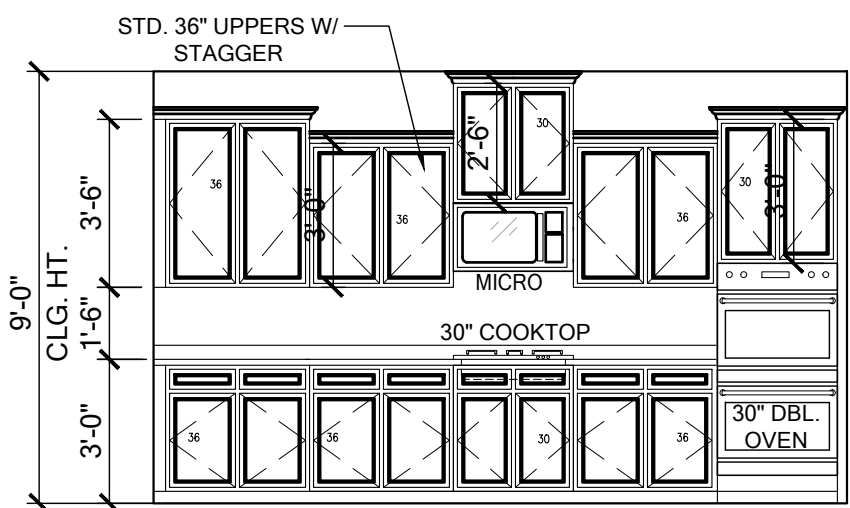
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STD. KITCHEN



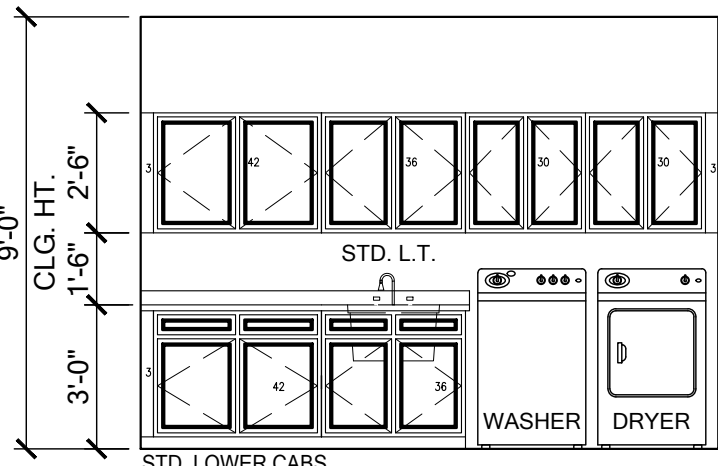
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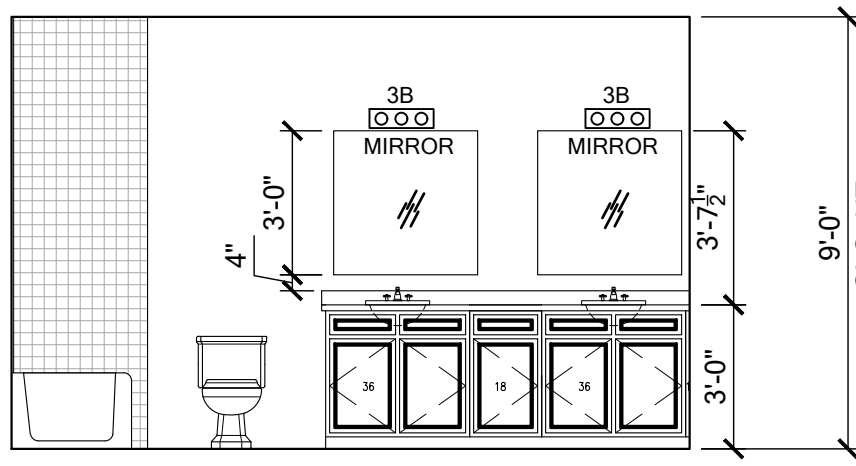
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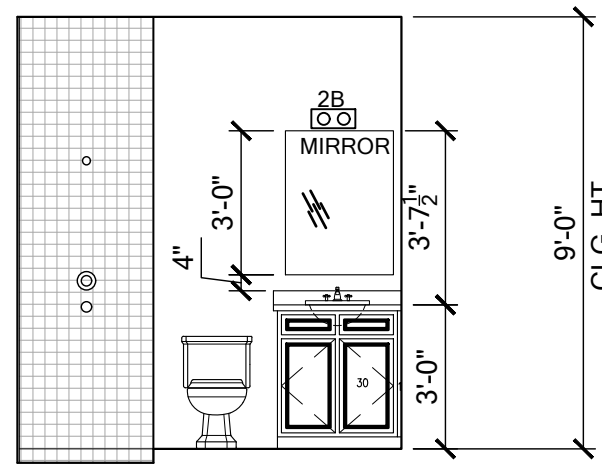
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GOURMET KITCHEN



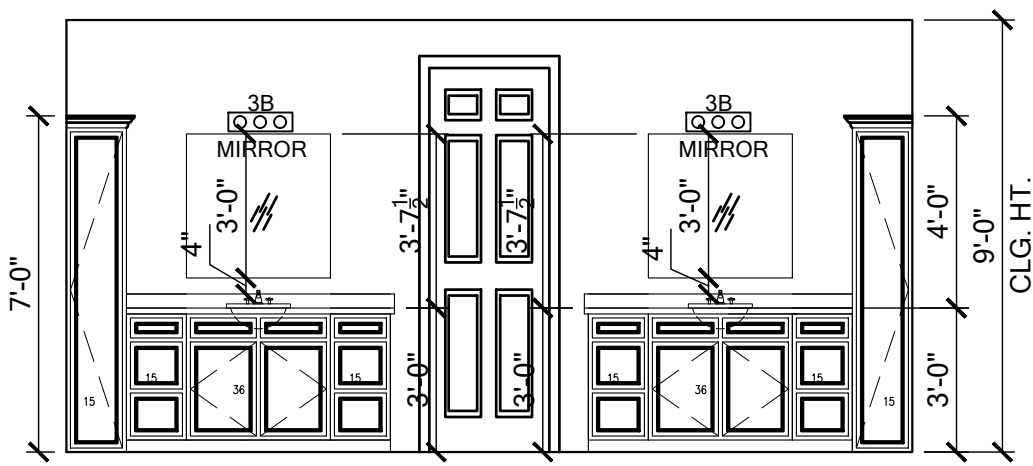
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LAUNDRY



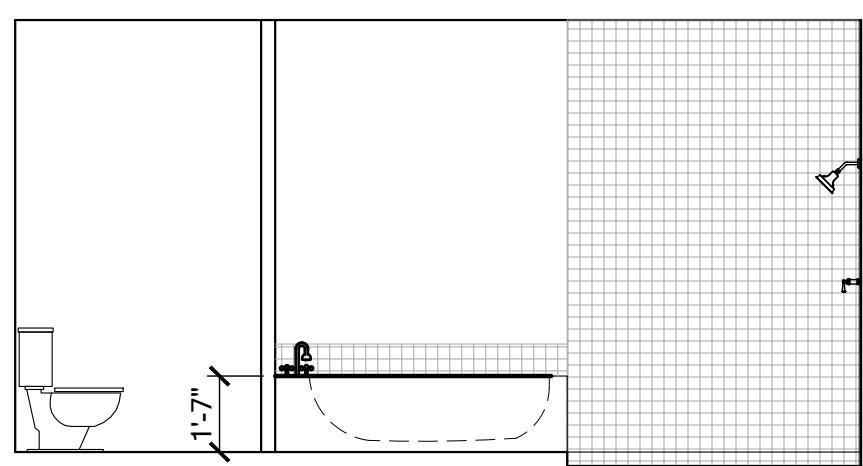
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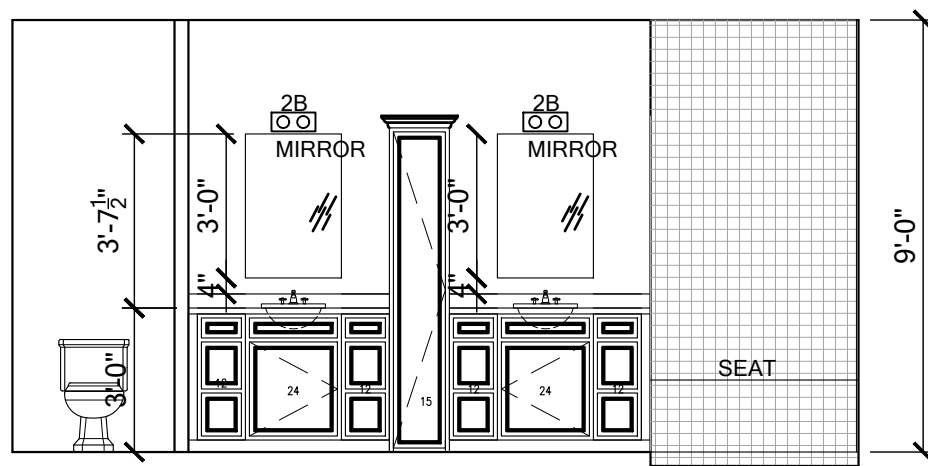
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BATH 3



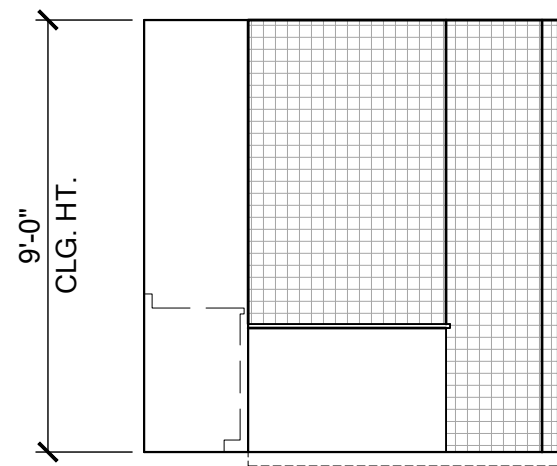
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STD. MASTER BATH



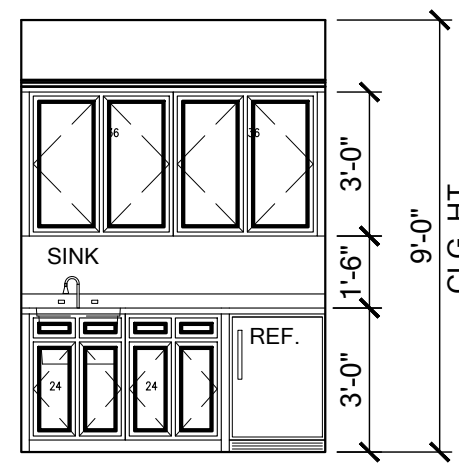
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STD. MASTER BATH



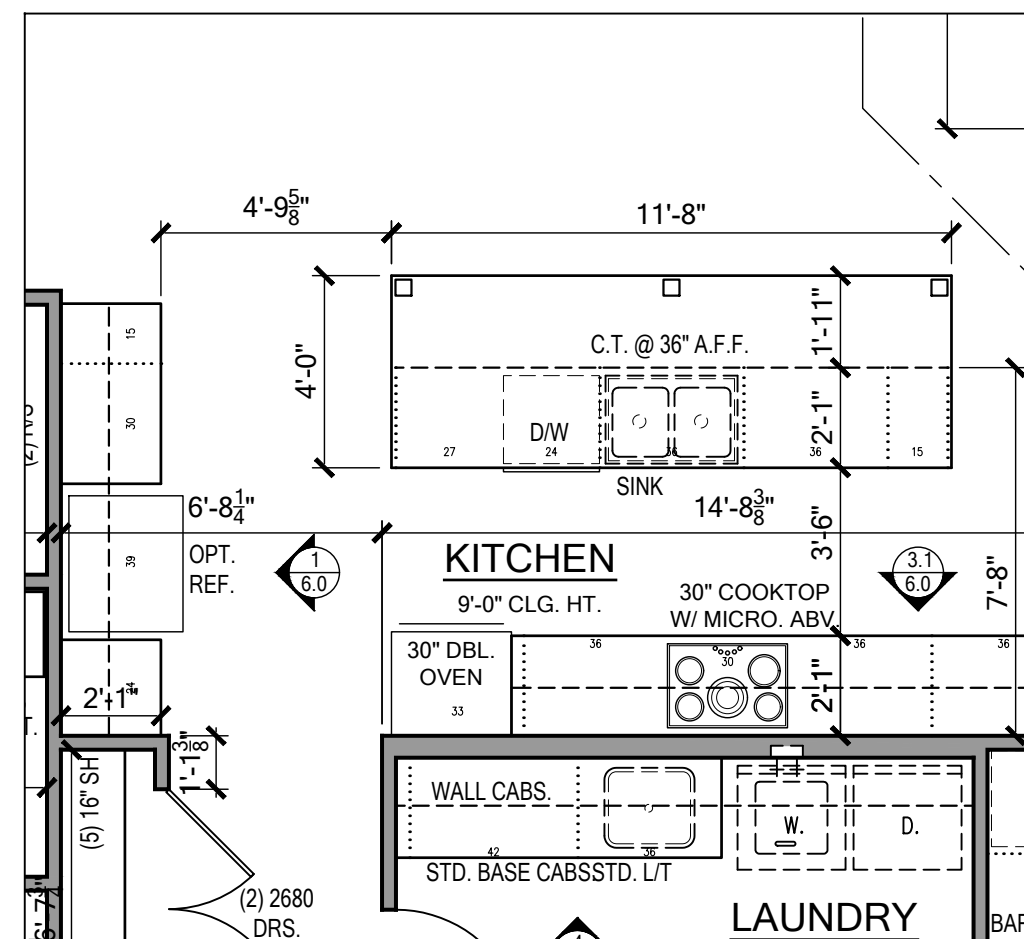
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OPT. DELUXE MASTER BATH



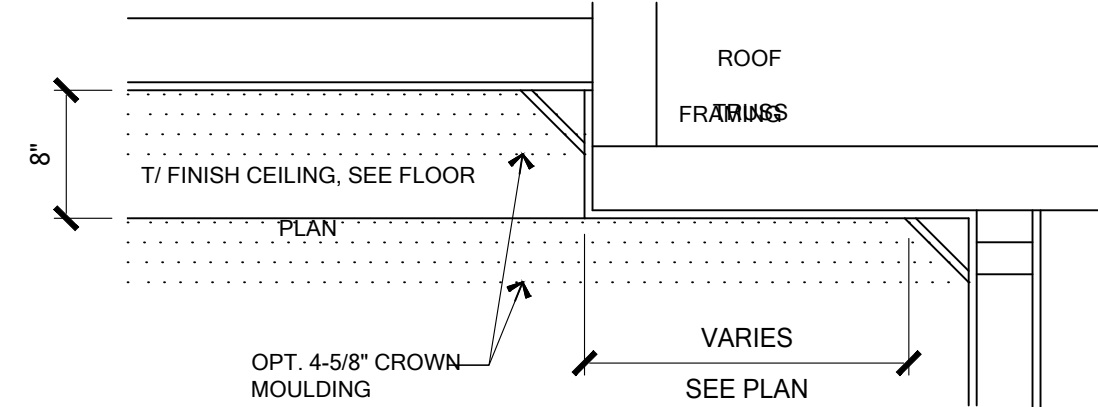
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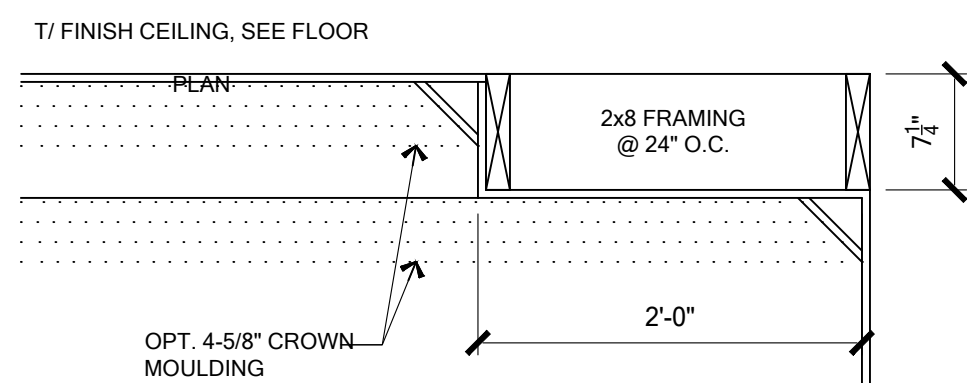
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WET BAR



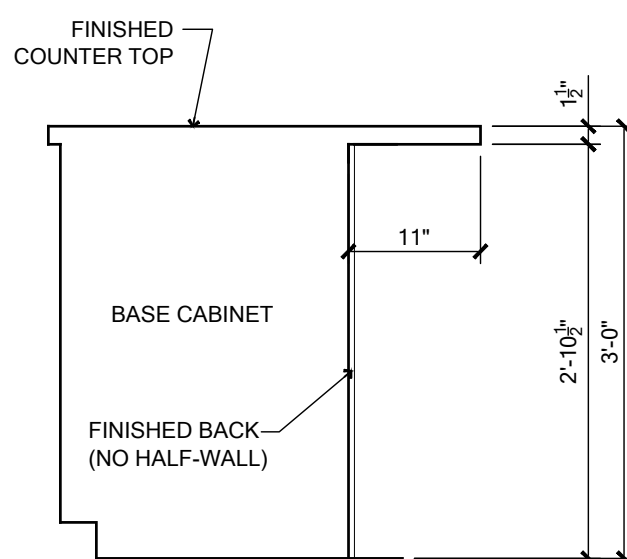
GOURMET KITCHEN PLAN
SCALE: 1/4" = 1'-0"



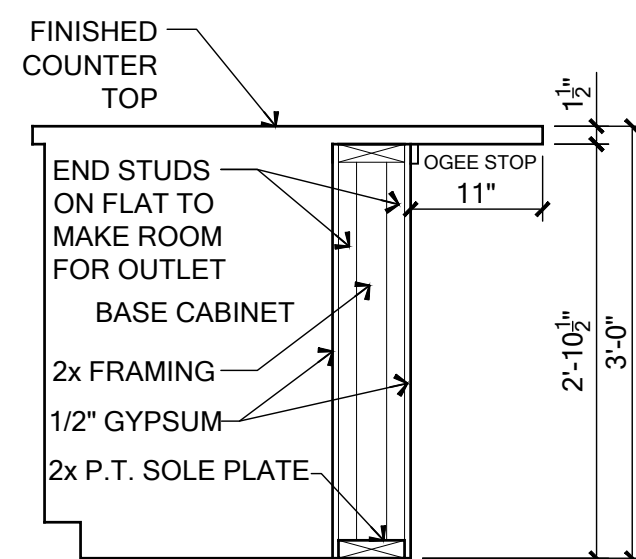
POP-UP ROOF TRUSS TRAY CEILING
SCALE: 1" = 1'-0"



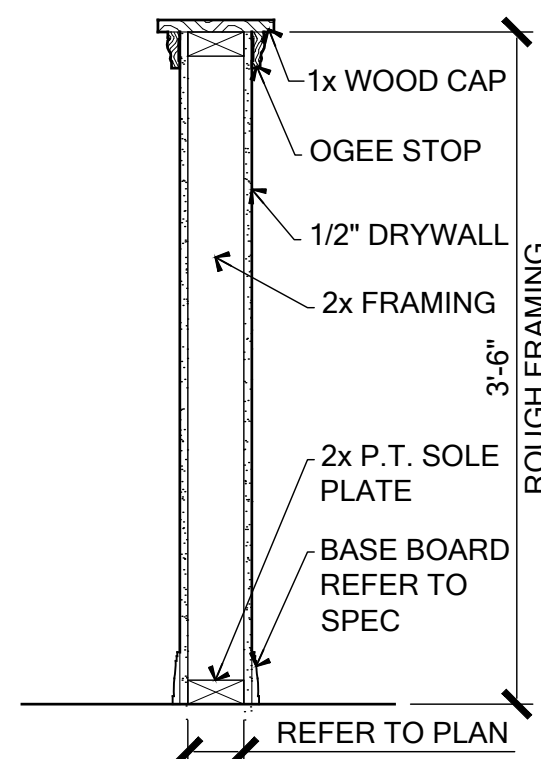
DROP DOWN TRAY CEILING
SCALE: 1" = 1'-0"



FLOW-THRU BAR SECTION
w/ FINISHED BACK
SCALE: 3/4" = 1'-0"



FLOW-THRU BAR SECTION
w/ HALF WALL
SCALE: 3/4" = 1'-0"



TYPICAL HALF-WALL
SCALE: 1" = 1'-0"

FOR COUNTY
USE ONLY

01/20/2025

To the best of the Engineer's knowledge, information and belief, the structural plans and specifications contained within these drawings comply with the Florida Building Code 8th Edition (2023) Residential. Engineer's signature and seal is only for the structural engineering portion of the drawing pages bearing Engineer's signature and seal.

CA No. 9161 AA26003115

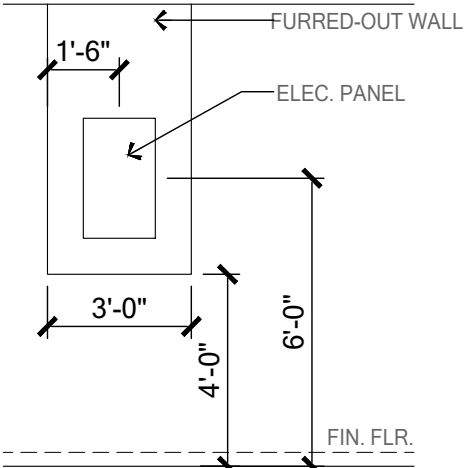
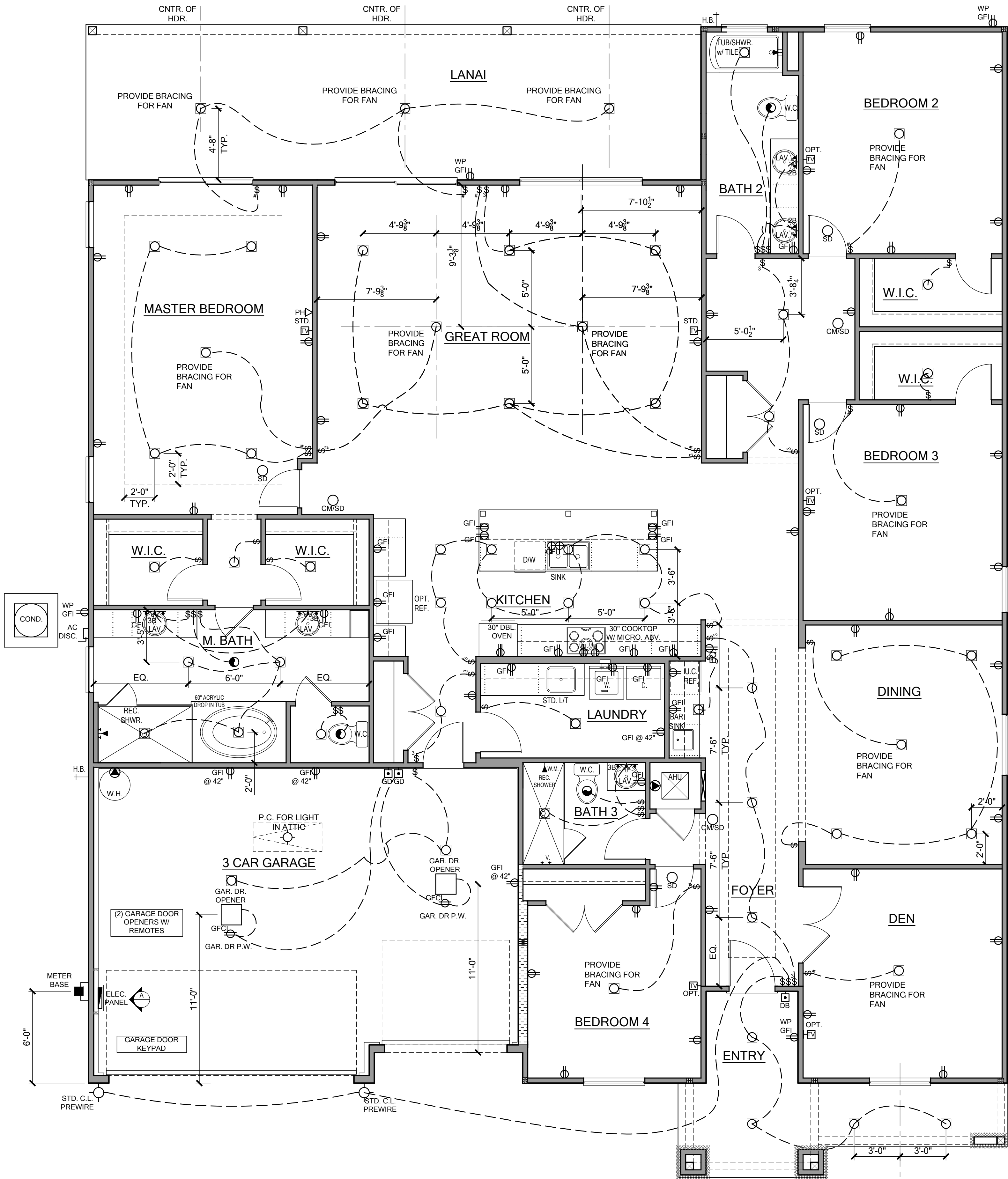


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(407) 880 2333

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myTSGhome.com

MARONDA Homes
3995 West First Street
Sanford, FL 32771
(407) 302-9871

Community:	Forest Cove	Garage Side:	Left
Plan Name:	Livorno	Elev - J	
Lot:	6	Block:	
Address:	TBD SW Cadence Glen Lake City, FL 32024		
Reference No. Sheet:	25-00449		
	6.0		
	INTERIOR ELEV		
			Renaissance Series

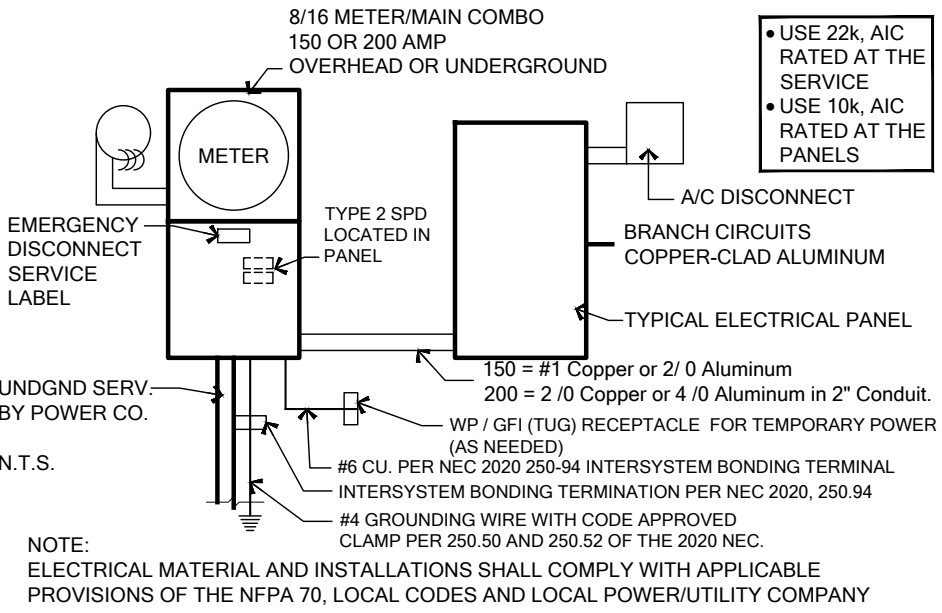


PANEL WALL DETAIL
SCALE: 1/4" = 1'-0"

ELECTRICAL LEGEND

POWER SYMBOLS		
	WP	WEATHER PROOF
	VP	VAPOR PROOF
	GF1	GROUND FAULT INTERRUPT
	A	ARC FAULT INTERRUPT
	48	MOUNTING HEIGHT
	GDO	GARAGE DOOR OPENER
	PS	PULL STRING
		MOTOR
		BATH FAN
		BATH FAN AND LIGHT COMBINATION
		SINGLE POLE SWITCH
		THREE WAY SWITCH
		SPECIAL PURPOSE
		DISCONNECT
		ELECTRIC PANEL
		METER BASE
LIGHTING SYMBOLS		
		2' FLOUR. SINGLE BULB
		4' FLOUR. SINGLE BULB
		4' FLOUR. DOUBLE BULB
		4' FLOUR. WRAP
		ROPE LIGHTING
		SCONCE LIGHT
		EXIT LIGHT SIGN
LOW VOLTAGE SYMBOLS		
		PUSH BUTTON / DOOR BELL
		DATA OUTLET
		THERMOSTAT

ELECTRICAL RISER DIAGRAM



- Notes:** unless otherwise noted.
- Electrical outlet heights as measured from finished floor to centered line of the box to be: 16" AFF (general). In a Flood Zone, all electrical equipment to be at or above DFE.
 - Electrical panel is intended for bid purposes only. All work shall be done in strict accordance with the National Electric Code (NEC), latest edition, by a licensed electrical contractor who shall be responsible for the installation & sizing of all electrical, wiring & accessories.
 - Smoke alarms shall comply with NFPA 72 and Section R314 and shall be listed in accordance with UL 217. Combination smoke and carbon monoxide alarms shall be listed in accordance with UL 217 and UL 2034.
 - Provide AFCI's (Arc-Fault Circuit Interrupters) combination type installed to provide protection of the branch circuits in all dwelling units per NFPA 70 (Current Edition) and the NEC and as defined in UL 1699.
 - Provide Tamper Resistant Receptacles as required by the NFPA 70 (Current Edition).
 - Carbon Monoxide Protection: carbon monoxide alarms or detectors shall be installed in all dwelling units in accordance with FBC R315 and NFPA 70. Such devices shall be listed by the appropriate standard, either ANSI/UL 2034, standard for single and multiple station CO alarms or UL 2075, gas and vapor detector sensor, according to the installation.
 - R315.1.2 Combination Alarms: combination smoke/carbon monoxide alarms shall be listed and labeled by a Nationally Recognized Testing Laboratory.
 - Keep all smoke detectors minimum of 36" from bathroom doors.
 - In new construction, smoke detectors shall be hardwired into an A/C electrical power source and shall be equipped with a monitored battery backup.
 - Bathroom exhaust fans must vent to the exterior of the building, ventilation to attic space and soffits is not acceptable.
 - Chapter 45 Private Swimming Pools - Outdoor swimming pools shall be provided with a barrier complying with R4501.17.1.1 through R4501.17.1.14.
 - Add GFCI protection to receptacles in laundry rooms and utility rooms of dwellings where installed within 6' of the outside edge of a sink. This would include the receptacle installed for a washing machine. Receptacle outlets shall not be required on a wall directly behind a range or sink to fulfill the requirement of an outlet every 24". The width of the sink or range is not to be included in the spacing of the outlets unless the distance from the sink or range is greater than 12" for straight counter tops and 18" for sinks and ranges installed in corner counters.
 - Where 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 dwelling 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.
 - For one- and two-family dwelling units, all service conductors shall terminate in disconnecting means having a short-circuit current rating equal to or greater than the available fault current, installed in a readily accessible outdoor location. Each disconnect shall be one of the following:
(1) Service disconnects marked as follows:
EMERGENCY DISCONNECT,
SERVICE DISCONNECT
(2) Meter disconnects installed per 230.82(3) and marked as follows:
EMERGENCY DISCONNECT,
METER DISCONNECT,
NOT SERVICE EQUIPMENT
(3) Other listed disconnect switches or circuit breakers on the supply side of each service disconnect that are suitable for use as service equipment and marked as follows:
EMERGENCY DISCONNECT,
NOT SERVICE EQUIPMENT
Markings shall comply with 110.21(B).
 - All permanently installed luminaires, excluding those in kitchen appliances, shall have an efficacy of at least 45 lumens-per-watt or shall utilize lamps with an efficacy of not less than 65 lumens-per-watt.

ELECTRICAL PLAN

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

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CA No. 9161 AA26003115

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MARONDA Homes
3999 West First Street
Sanford, FL 32771
(407) 302-9871

Community:	Forest Cove	Garage Side:	Left
	Plan Name:	Livorno	Elev - J
Reference No.	25-00449	Block:	
	Sheet:	Address:	TBD SW Cadence Glen Lake City, FL 32024
7.0		9F-C0601	Renaissance Series
ELECTRICAL			

TERMITE SPECIFICATIONS

SECTION R318 PROTECTION AGAINST TERMITES

TERMITE PROTECTION SHALL BE PROVIDED BY REGISTERED TERMITICIDES, INCLUDING SOIL APPLIED PESTICIDES, BAITING SYSTEMS, AND PESTICIDES APPLIED TO WOOD, OR OTHER APPROVED METHODS OF TERMITE PROTECTION LABELED FOR USE A PREVENTIVE TREATMENT TO NEW CONSTRUCTION (SEE SECTION 202, REGISTERED TERMITICIDE). UPON COMPLETION OF THE APPLICATION OF THE TERMITE PROTECTIVE TREATMENT, A CERTIFICATE OF COMPLIANCE SHALL BE ISSUED TO THE BUILDING DEPARTMENT BY THE LICENSED PEST CONTROL COMPANY THAT CONTAINS THE FOLLOWING STATEMENT: "THE BUILDING HAS RECEIVED A COMPLETE TREATMENT FOR THE PREVENTION OF SUBTERRANEAN TERMITES. TREATMENT IS IN ACCORDANCE WITH RULES AND LAWS ESTABLISHED BY THE FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES."

NOTES:

1. METHOD OF TREATMENT SHALL BE APPROVED BY THE GOVERNING JURISDICTION "LIQUID BORATE OR BOR-A-COR" PRODUCT METHODS MUST BE DETERMINED AT PERMIT STAGE AND PRODUCT APPROVAL DATA MUST BE ON FILE WITH THE BUILDING DEPARTMENT.

2. PRESSURE TREATED LUMBER THAT HAS BEEN CUT OR DRILLED THAT EXPOSES UNTREATED PORTIONS OF WOOD ARE REQUIRED TO BE FIELD TREATED TO PREVENT INSECT INFESTATION.

3. OPTIONAL BORATE APPLIED TO ALL FRAME MEMBERS WITHIN 24" A.F.F.

NOTICE TO BUILDER AND ALL SUBCONTRACTORS

It is the intent of the Engineer listed in the titleblock of these documents that these documents be accurate, providing Licensed Professionals clear information. Every attempt has been made to prevent error. The Builder and all subcontractors are required to review all the information contained in these documents, prior to the commencement of any work. The Engineer are not responsible for any plan errors, omissions, or misinterpretations undetected and not reported to the Engineer prior to construction. All construction MUST be in accordance to the information found in these documents. Any questions regarding the information found in these plans should be directed to our Quality Assurance Manager at 321-972-0491 immediately. No backcharges will be considered for reimbursement by the the Engineer without advanced notification and approval by the Engineer. Payments will be made in accordance to the terms of the agreement.

Care and Maintenance:

Yearly maintenance and inspections by the builder/homeowner are necessary for the future life of this home. Care must be taken to check windows and doors for caulking, remove leaves and debris off roofs, make sure that water flow is away from the house and have your home repainted every 3 - 5 years to protect the coatings. The designer and engineer of record are not responsible for instances that may occur over the normal life of the home without proper maintenance.

CARLOS DAVILA

1/17/2025

METAL LATH ATTACHMENT DETAIL

REV. 09.24.21SCALE: 3/4" = 1'-0"

"DETAIL EXCEEDS THE REQUIREMENTS FOR FBCR 703.7.1 LATH"

GENERAL STRUCTURAL NOTES

CAST IN PLACE REINFORCED CONCRETE

1. ALL CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS OF 2500 PSI (SLABS) 3000 PSI (COLUMNS AND BEAMS), A SLUMP OF 5" PLUS OR MINUS 1", AND HAVE 2 TO 5% AIR ENTRAINMENT AND A MAXIMUM WATER/CEMENT RATIO OF 0.52.

2. HOOKS SHALL BE PROVIDED AT DISCONTINUOUS ENDS OF ALL TOP BARS OF BEAMS.

3. HORIZONTAL FOOTING BARS SHALL BE BENT 25° AROUND CORNERS OR CORNER BARS WITH A 25° LAP PROVIDED EA. WAY.

4. CONCRETE COVER MIN. 3" WHEN EXPOSED TO EARTH OR 1 1/2" TO FORM U.N.O.

5. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A1064/A1064M. WWF SHALL BE LAPPED AT LEAST 6" AND CONTAIN AT LEAST ONE CROSS WIRE WITHIN THE 6". POLYPROPYLENE FIBERS FOR SLABS ON GRADE TO BE MIN 1.5 LBS OF FIBER PER CUBIC YARD.

6. ALL REINFORCING STEEL / STIRRUPS AND TIES SHALL BE NEW DOMESTIC DEFORMED BARS FREE FROM RUST, SCALE & OIL & SHALL MEET ASTM A615, ASTM A706, OR ASTM A996 GRADE 40 U.N.O. REINFORCING FOR FOOTING SHALL BE SUPPORTED ON PRE-CAST CONCRETE PADS.

7. STEEL WIRE OR PLASTIC SUPPORTS, TOP REINFORCING SHALL BE POSITIVELY SUPPORTED BY TEMPORARY STRINGERS. DOWELS FOR COLUMNS & FILLED CELLS SHALL BE SECURED IN PLACE BY USING ADDITIONAL CROSS- REINFORCING TIED TO FOOTING REINFORCING. SPLICES IN REINFORCING WHERE PERMITTED SHALL BE AS PER DETAIL MS05/1.1.

8. HIGH STRENGTH USP CIA-GEL, 7000-C ANCHORING. EPOXY ADHESIVE BINDER WAS USED IN THE DESIGN OF THIS PRODUCT. IF CONTRACTORS WISH TO USE A DIFFERENT EPOXY, THEY MUST FIRST CONTACT THE ENGINEER OF RECORD FOR WRITTEN APPROVAL.

8. WHERE PROJECT IS TO BE LOCATED IN KNOWN RADON GAS PREVALENT AREAS, APPENDIX "F" OF THE FLORIDA BUILDING CODE 8TH EDITION (2023) RESIDENTIAL IS TO BE IMPLEMENTED. F303.4 CONCRETE STRENGTH IN THESE AREAS ARE TO BE A MINIMUM OF 3000 P.S.I. THEREFORE, ANY AND ALL NOTES ON THESE PLANS THAT INDICATE 2500 P.S.I. SHALL BE REPLACED WITH 3000 P.S.I. FOR THE CONCRETE STRENGTH.

WOOD CONSTRUCTION

1. ALL EXTERIOR WOOD STUD WALLS, BEARING WALLS, SHEAR WALLS AND MISC. STRUCTURAL WOOD FRAMING OR GABLE END BRACING) SHALL BE EITHER AS SPECIFIED IN PLAN OR IN DETAILS. IF CONFLICTS OCCUR BETWEEN PLAN AND DETAILS, THE STRONGEST MATERIAL SHALL BE USED. AT A MINIMUM, ALL STRUCTURAL FRAMING MEMBERS SHALL BE S.P.F. #2.

2. ALL LUMBER SPECIFIED ON DRAWINGS ARE INTENDED FOR DRY USE ONLY (MOISTURE CONTENT 19% OR LESS), U.N.O. ALL WATERPROOFING AND FIRE SAFETY SYSTEMS ARE THE RESPONSIBILITY OF THE CONTRACTOR AND ARE TO BE DESIGNED AND DETAILED BY OTHERS.

3. ANY WOOD FRAME INTERIOR BEARING WALL STUDS THAT HAVE HOLES IN THE CENTER OF THE STUD UP TO 1" DIA. SHALL HAVE STUD PROTECTION SHIELDS. ALL HOLES OVER 1" IN DIA. FOR PLUMBING LINES, ETC. SHALL BE REPAIRED WITH SIMPSON HSS2 STUD SHOES, TYP., U.N.O.

4. MANY OF THE NEW PRESSURE TREATED WOODS USE CHEMICALS THAT ARE CORROSIVE TO STEEL. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE TYPE OF WOOD TREATMENT AND TO SELECT APPROPRIATE CONNECTORS THAT RESIST CORROSION. FOR EXAMPLE, ACQ-C, ACQ-D, CBA-A OR CA-B REQUIRE HOT-DIPPED GALVANIZED OR STAINLESS STEEL FASTENERS. DOT SODIUM BORATE (SBX) DOES NOT.

5. ALL EXPOSED WOOD OR WOOD IN CONTACT WITH EARTH OR CONCRETE TO BE PRESSURE TREATED.

6. UNTREATED WOOD SHALL NOT BE IN DIRECT CONTACT WITH CONCRETE, OR MASONRY SEAT PLATES SHALL BE PROVIDED AT BEARING LOCATIONS WITHOUT WOODEN TOP PLATES.

7. SEE PLAN FOR STUD PACK AND BEAM NAILING PATTERNS.

8. ALL ENGINEERING LUMBER TO HAVE THE FOLLOWING MIN VALUES U.N.O.
PARALLAM COLUMNS: 1.8E Fb = 2400 PSI
MICROLAM (LVL) BEAMS: 2.0E Fb = 2600 PSI
GLULAM BEAMS: SP/SP 24F-V5 LAYUP (1.7E Fb = 2400 PSI) MIN.

9. SEE PLAN NOTE FOR ADDITIONAL ROOF, WALL, SHEAR WALL AND FLOOR SHEATHING REQUIREMENTS ALONG W/ NAILING INFORMATION OTHERWISE:
ROOF DECK: PLYWOOD C-C/C-D, EXTERIOR OR OSB
FLOOR SHEATHING: 3/4" T&G WOOD DECKING GROUP 1 APA RATED (48/24) SHEATHING SHALL FINISH FLUSH TO EXTERIOR WALL FACE
WALL SHEATHING: 7/16" STRUCTURAL OSB (EXPOSURE 1)-OR-15/32" OSB PLYWOOD (C-C/C-D) (EXPOSURE 1) MINIMUM OF 18" SPACE IS RECOMMENDED BETWEEN PANELS, AT EDGES, AND END JOINTS TO ALLOW FOR EXPANSION. SHEATHING SHALL NOT BE USED AS WEATHER RESISTANCE BARRIER UNLESS SPECIFIED.

10. LATH AND LATH ATTACHMENTS SHALL BE OF CORROSION-RESISTANT MATERIALS. EXPANDED METAL OR WOVEN WIRE LATH SHALL BE ATTACHED TO WOOD SHEATHING WITH 1-1/2" LONG, 11 GAUGE NAILS HAVING A 7/16" HEAD, OR 1 1/2" LONG, 16 GAUGE STAPLES SPACED IN ACCORDANCE WITH ASTM C1063 OR C1787, OR AS OTHERWISE APPROVED.

STRUCTURAL STEEL

1. MATERIAL SPECIFICATIONS: WIDE FLANGE SECTIONS: ASTM A992, GRADE 50, Fy=50 KSI TUBE STEEL (HSS): ASTM A500, GRADE B, Fy = 46 KSI PIPE STEEL: ASTM A53, TYPE E OR S, Fy = 35 KSI ALL OTHER STRUCTURAL & MISC. STEEL: A36 Fy=36 KSI STRUCTURAL CONNECTIONS: ALL STRUCTURAL BOLTS TO BE ASTM A325M U.N.O.

2. STRUCTURAL BOLTS SMALLER THAN 5/8" DIA. TO BE A307 THREADED ROD SHALL CONFORM TO A36 OR A307 ANCHOR BOLTS SHALL CONFORM TO ASTM F1554 ALL BOLTS CAST IN CONCRETE: ASTM A36 OR ASTM A-307 SHOP AND FIELD WELDS: E70XX ELECTRODES STEEL REINFORCEMENT SHOP DRAWINGS TO BE PROVIDED TO ENGINEER OF RECORD BEFORE FABRICATION FOR REVIEW AND APPROVAL

UPLIFT CONNECTORS

1. UPLIFT CONNECTORS SUCH AS HURRICANE CLIPS, TRUSS ANCHORS AND ANCHOR BOLTS ARE ONLY REQUIRED ON MEMBERS IN WALLS THAT ARE EXPOSED TO UPLIFT OR LATERAL FORCES. INTERIOR LOAD BEARING WALLS ARE NOT ALWAYS EXPOSED TO UPLIFT FORCES. THE MEMBERS OF THESE WALLS WOULD NOT NEED TO HAVE CONNECTORS APPLIED. PLEASE COORDINATE WITH THE TRUSS ENGINEER FOR THE LOCATION OF THESE WALLS AND STRUCTURAL PLANS FOR MORE INFO.

GYPSUM BOARD

1. GYPSUM BOARD MAY BE INSTALLED USING GWB54 NAILS TO SET IN PLACE. FIELD FASTENING SHOULD BE TYPE "W" 1 1/4" DRYWALL SCREWS AT 12" O.C. FOR CEILINGS AND 1 1/8" DRYWALL SCREWS AT 12" O.C. FOR WALLS. ALL ENDS AND EDGES OF WALLBOARD SHALL OCCUR OVER AND BE SCREWED TO SUPPORTS. MAXIMUM SCREW SPACING FOR WALLS SHALL BE 16" O.C. ALONG SUPPORTS. MAXIMUM SCREW SPACING FOR CEILINGS SHALL BE 12" O.C. ALONG SUPPORTS. MINIMUM SCREW / NAIL DISTANCE FROM EDGE SHALL BE 3/8". THIS SHALL APPLY TO BOTH CEILING AND WALL INSTALLATION. DRYWALL SHIMS SHALL BE USED ONLY WHERE NECESSARY. OPENINGS CUT FOR OUTLETS, SWITCHES, ETC., SHALL BE OF A TOLERANCE THAT CAN BE COVERED ADEQUATELY WITH NORMAL SWITCH PLATES AND COVERS WITHOUT ADDITIONAL TAPING OR CAULKING. DRYWALL SHALL NOT BE INSTALLED WITHOUT PROPER BACKING.

CARLOS DAVILA

1/17/2025

STRUCTURAL DESIGN CRITERIA

CODE CRITERIA

• FLORIDA BUILDING CODE 8TH EDITION (2023) RESIDENTIAL

• FLORIDA FIRE PREVENTION CODE 8TH EDITION (2023)

• FLORIDA BUILDING CODE ACCESSIBILITY 8TH EDITION (2023) RESIDENTIAL

• NFPA 70-20, NATIONAL ELECTRICAL CODES (NEC 2020)

• BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE - (ACI 318-19)

• SPECIFICATIONS FOR STRUCTURAL CONCRETE - (ACI 301-20)

• BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES - (ACI 530-13)

• NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION - 2018 EDITION

• WOOD FRAMED CONSTRUCTION MANUAL 2018 EDITION

• APA PLYWOOD DESIGN SPECIFICATION E30-19

• AMERICAN SOCIETY OF CIVIL ENGINEERS: ASCE/SEI 7-22

• ALUMINUM DESIGN MANUAL - AAF-20 (AA ADM-2020)

Code references are summaries of code sections. See FBCR (Current Version) for complete information. Scan QR Code for the complete FBCR

GENERAL ROOF LOADING

	SHINGLE ROOF (PSF)	METAL ROOF (PSF)	TILE ROOF (PSF)	HEAVY ROOF (PSF)
TOP CHORD LL	16	20	20	20
TOP CHORD DL	7	10	15	25
BOTTOM CHORD LL*	0	0	0	0
BOTTOM CHORD DL	10	10	10	10
TOTAL (PSF)	33	40	45	55
BOTTOM CHORD LL (OPT)				
ATTICS W/ LIMITED STORAGE	20			
ATTICS W/ NO STORAGE	50			
* ATTICS W/ HEAVY STORAGE (NON-CONCURRENT)	10			

NOTE: LL REDUCTIONS ARE ALLOWED PER CODE BUT ONLY WITH WRITTEN APPROVAL FROM EOR OR INDICATED ON PLAN

GENERAL FLOOR LOADING

	40 (PSF) TOP CHORD DL	10 (PSF) TOP CHORD LL	0 (PSF) BOTTOM CHORD LL	5 (PSF) BOTTOM CHORD DL	COMMENTS:
TOP CHORD LL	40 (PSF)				
TOP CHORD DL	10 (PSF)				
BOTTOM CHORD LL	0 (PSF)				
BOTTOM CHORD DL	5 (PSF)				

SPECIAL FLOOR LOADING

	60 (PSF) GAME ROOM	40 (PSF) BALCONIES/DECKS	100 (PSF) BALCONIES OVER 100 SQ. FT.	125 (PSF) LIGHT STORAGE.	200 (LBS)(h,i) GUARDRAILS	200 (LBS)(h) GUARDRAIL IN-FILL COMP.(j) STAIRS(i)	60 (PSF) LIBRARY READING ROOMS	40 (PSF) LIBRARY STACK ROOMS	100 (PSF) NON-SLEEPING ROOMS	40 (PSF) SLEEPING ROOMS	30 (PSF) HABITABLE ATTICS SERVED w/ FIXED STAIRS	30 (PSF) PASSENGER VEH. GAR.	60 (PSF) 150 (PSF) 40 (PSF) 30 (PSF) 30 (PSF) 50 (PSF) 2000 (LBS)
GAME ROOM	60 (PSF)												
BALCONIES/DECKS	40 (PSF)												
BALCONIES OVER 100 SQ. FT.	100 (PSF)												
LIGHT STORAGE.	125 (PSF)												
GUARDRAILS	200 (LBS)(h,i)												
HANDRAILS(d)	200 (LBS)(h)												
GUARDRAIL IN-FILL COMP.(j)	200 (LBS)(h)												
STAIRS(i)	40 (PSF) 300 (LBS)												

COMMENTS:
(PSF) = UNIFORM LOADS
(LBS) = CONCENTRATED LOADS
c. INDIVIDUAL STAIR TREADS SHALL BE CAPABLE OF SUPPORTING THE UNIFORMLY DISTRIBUTED LIVE LOAD OR A 300-POUND CONCENTRATED LOAD APPLIED ON AN AREA OF 2 INCHES BY 2 INCHES, WHICHEVER PRODUCES THE GREATER STRESSES.
d. A SINGLE CONCENTRATED LOAD APPLIED IN ANY DIRECTION AT ANY POINT ALONG THE TOP. FOR A GUARD NOT REQUIRED TO SERVE AS A HANDRAIL, THE LOAD NEED NOT BE APPLIED TO THE TOP ELEMENT OF THE GUARD IN A DIRECTION PARALLEL TO SUCH ELEMENT.
f. BALUSTERS AND PANELS FILLERS SHALL BE DESIGNED TO WITHSTAND A HORIZONTALLY APPLIED NORMAL LOAD OF 50 POUNDS ON AN AREA EQUAL TO 1 SQ. FT.
h. GLAZING USED IN HANDRAIL ASSEMBLIES AND GUARDS SHALL BE DESIGNED WITH A LOAD ADJUSTMENT FACTOR OF 4. THE LOAD ADJUSTMENT FACTOR SHALL BE APPLIED TO EACH OF THE CONCENTRATED LOADS APPLIED TO THE TOP OF THE RAIL, AND TO THE LOAD ON THE IN-FILL COMPONENTS. THESE LOADS SHALL BE DETERMINED INDEPENDENT OF ONE ANOTHER, AND LOADS ARE ASSUMED NOT TO OCCUR WITH ANY OTHER LIVE LOAD.
i. WHERE THE TOP OF A GUARD SYSTEM IS NOT REQUIRED TO SERVE AS A HANDRAIL, THE SINGLE CONCENTRATED LOAD SHALL BE APPLIED AT ANY POINT ALONG THE TOP, IN THE VERTICAL DOWNWARD DIRECTION AND IN THE HORIZONTAL DIRECTION AWAY FROM THE WALKING SURFACE. WHERE THE TOP OF A GUARD IS ALSO SERVING AS THE HANDRAIL, A SINGLE CONCENTRATED LOAD SHALL BE APPLIED IN ANY DIRECTION AT ANY POINT ALONG THE TOP. CONCENTRATED LOAD SHALL NOT BE APPLIED CONCURRENTLY.

DEFLECTION CRITERIA

	LL/240	TL/180	COMMENTS:
ROOF TRUSSES*	LL/240	TL/180	
ROOF RAFTERS	LL/180	TL/120	
ROOF RAFTERS (W/O CLG.)	LL/360	TL/240	
FLOOR TRUSSES*/BEAMS **	LL/360	TL/240	
FLOOR JOISTS***	LL/480	TL/240	

*TL MAX 1 1/4" UP TO 40FT SPAN
**TL MAX 3/4"
*** TL MAX 1/2"

WIND LOADING CRITERIA 140-B

	140 MPH WIND SPEED (ULTIMATE)	108.0 MPH WIND SPEED (ALLOWABLE)
WIND SPEED (ULTIMATE)	140 MPH	108.0 MPH
WIND SPEED (ALLOWABLE)		
EXPOSURE CATEGORY	B	
BUILDING CATEGORY	II	
BUILDING TYPE	V	
ENCLOSURE CLASSIFICATION	ENCLOSED	
INTERNAL PRESSURE COEFFICIENT	+/- 0.18	

NOTE: MEAN ROOF HEIGHT FOR TYPICAL SINGLE STORY HOME IS 15FT, AND FOR 2 STORY HOME IS 25FT

ASCE 7-22 WALL DESIGN ALLOWABLE COMPONENTS AND CLADDING WIND PRESSURES AND SUCTIONS FOR MEAN ROOF HEIGHT ≤ 30 ft

GENERAL PRESSURE NOTES

NOTES:
1. MULTIPLY BY 1.67 TO GET ULTIMATE WIND PRESSURES.
2. "z" = END ZONE IS ONLY WIN 4'-0" OF ALL EXTERIOR BUILDING CORNERS.
* INDICATED PRESSURES CAN BE INTERPOLATED FOR OTHER DOOR SIZES, OTHERWISE USE LOAD ASSOCIATED WITH THE LOWER EFFECTIVE AREA.

DESIGNATED AREAS WHERE THE ULTIMATE WIND SPEED IS 140 MPH OR GREATER, CONTRACTOR TO PROVIDE ADDITIONAL INFORMATION AS REQUIRED FOR PERMITTING TO INCLUDE IMPACT GLAZING, SHUTTERS, OR WOOD STRUCTURE PANELS PER THE FBCR R301.2.1.2 PROTECTION OF OPENINGS.

Forest Cove

Garage Side: Left

Plan Name: Livorno

Elev - J

Block: 6

Address: TBD SW Cadence Glen Lake City, FL 32024

9FC00601

Renaissance Series

Reference No. 25-00449

Sheet: SN

STRUCT NOTES

FOR COUNTY USE ONLY

01/20/2025

To the best of the Engineer's knowledge, information and belief, the structural plans and specifications contained within these drawings comply with the Florida Building Code 8th Edition (2023) Residential. Engineer's signature and seal is only for the structural engineering portion of the drawing pages bearing Engineer's signature and seal.
CA No. 9161AA26003115

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myTSGhome.com

MARONDA Home

3999 West First Street

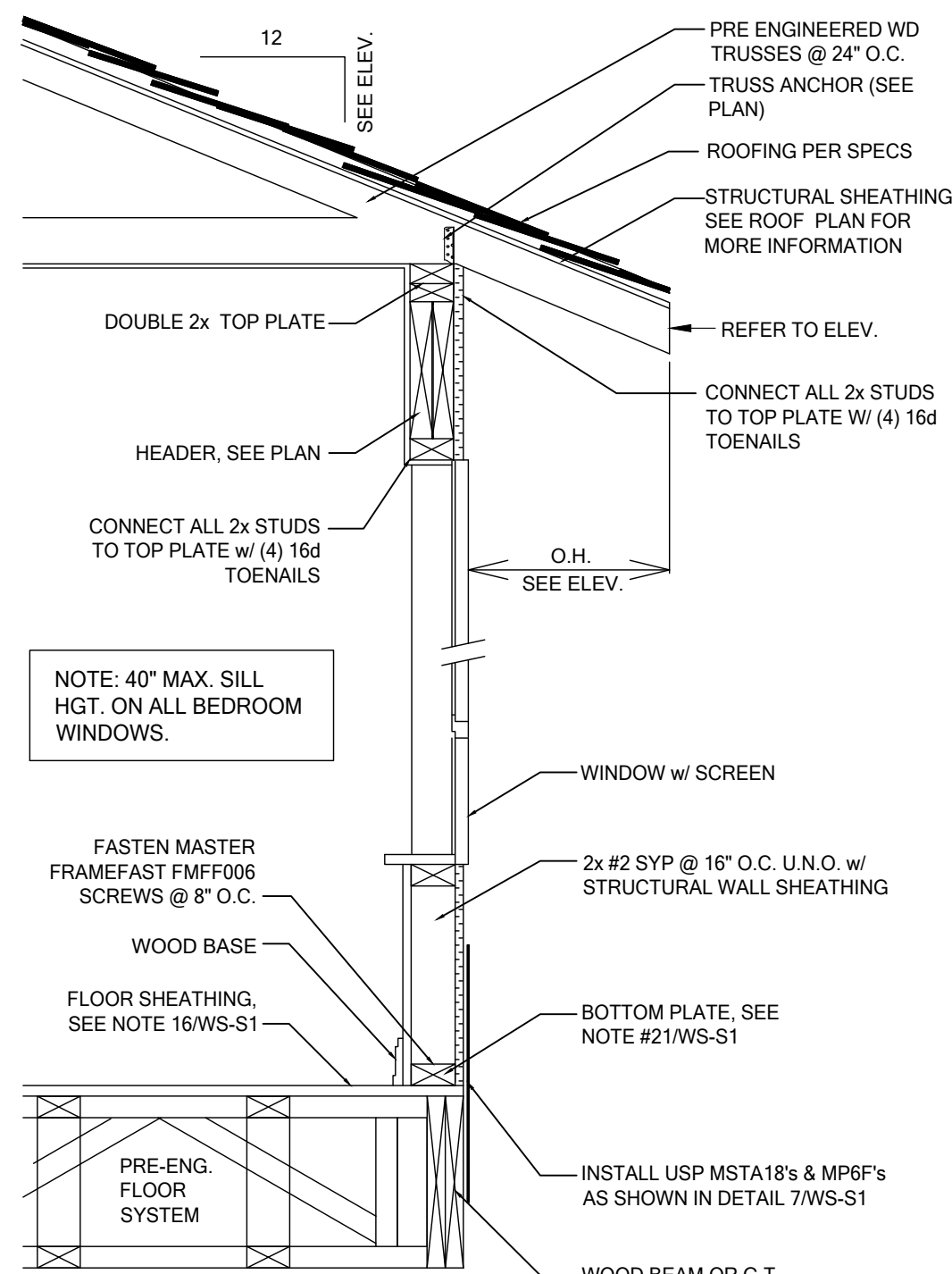
Sanford, FL 32771

(407) 302-9871

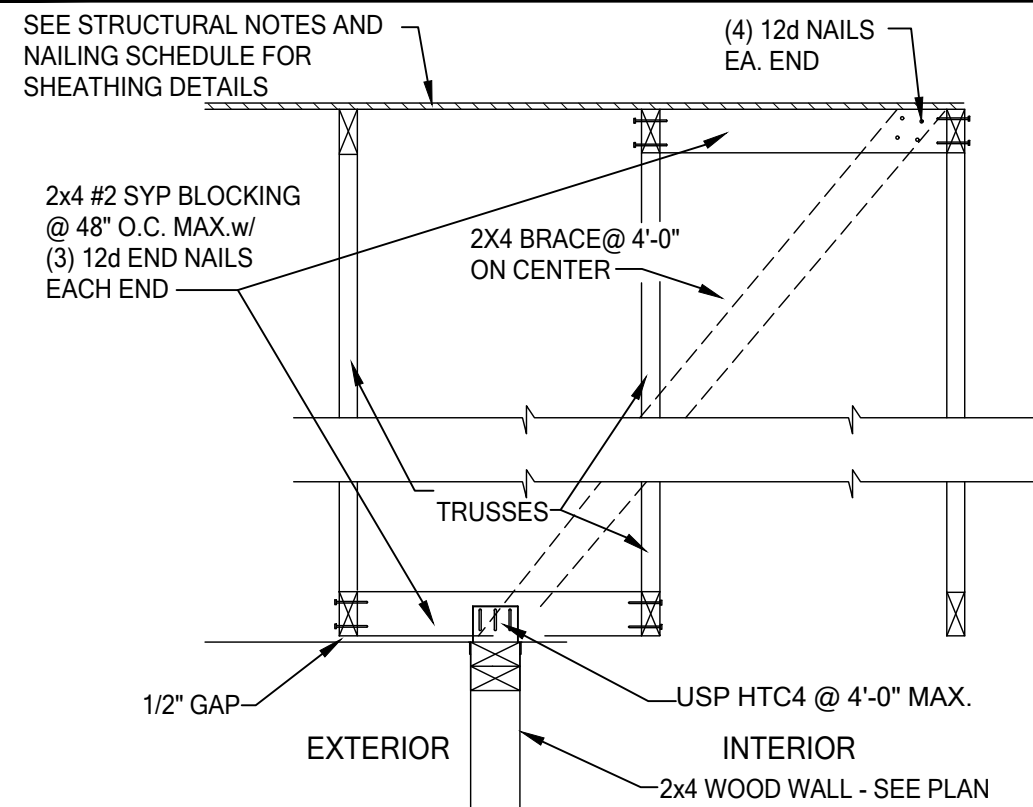


1. MONOLITHIC CONCRETE FOUNDATION. SEE FOUNDATION PLAN.
2. 2x4 SYP #2 WOOD WALL OR COLUMN. SEE PLAN FOR SIZE, SPACING & CONNECTORS.
3. (1) P.T. #2 SYP 2x4 SILL PLATE (UNLESS NOTED).
4. SEE FM301.1 FOR TYPICAL SILL PLATE FASTENING - ANCHORS OR HOLDOWNS SHALL BE INSTALLED 6"-12" FROM THE END OF ALL SILL PL.'S & MIN. (2) ANCHORS OR HOLDOWNS SHALL BE INSTALLED IN EVERY SEPARATE PIECE OF SILL PL.
5. CONCRETE SLAB (SEE PLAN)
6. PRE-ENGINEERED ROOF TRUSSES @ 24" O.C. MAX. INSULATION PER FBC AND ENERGY FORM SUBMITTED WITH PERMIT APPLICATION w/ OPEN BAFFLE. @ A/C SPACE LOCATIONS.
7. TRUSS CONNECTOR. SEE FRAMING PLAN.
8. CONT. 2x4 SYP #2 PLATE FASTENED TO TOP PL. W/ 12d TOENAILS @ 8" O.C.
9. TOENAIL RIM BOARD TO DOUBLE TOP PLATE W/ 8d NAILS @ 6" O.C.
10. FASTEN MULTIPLE PLY RIM BOARDS TOGETHER W/ (3) ROWS OF 8d NAILS @ 12" O.C.
11. FASTEN RIM BOARD TO TOP & BOTTOM RIBBONS W/ 8d NAILS @ 6" O.C. & FASTEN RIM BOARD TO EA. FLOOR TRUSS W/ (2) 8d NAILS
12. ROOF ASSEMBLY:
UNDERLAYMENT SHALL CONFORM WITH R905.1.1.1. AND PER TABLE R905.1.1.1. FIBERGLASS SHINGLES. ASTM D 225, ASTM D 3462, ASTM D 3161
ATTACH W/ (6) 1" 1/4" 11-23A. w/ 3/8" HEND ROOFING THROUGH NAIL
PER STRIP OR (2) PER INDIVIDUAL SHINGLE. ASPHALT SHINGLES OR FOLLOW MANUFACTURER INSTRUCTIONS FOR PRODUCT.
- METAL ROOF OPTION: C&C ROOF PRESSURES MMH 30'
160/B HIP ZONE 1= -34.78, ZONE = -47.94, ZONE 3 = -47.94
GABLE ZONE 2 = -59.03, ZONE 3 = -70.03
160/C HIP ZONE 1= -49.95, ZONE 2 = -68.85, ZONE 3 = -68.85
GABLE ZONE 1 = -49.95, ZONE 2 = -68.85, ZONE 3 = -68.85
- 26GA. GALV. STEEL 4x4 L FLASHING
- UNDERLAYMENT SHALL BE PER FBC R905.1.1 OVER SHEATHING. SEE MANUFACTURER INSTALLATION INSTRUCTIONS.
- ROOF SHEATHING AND NAILING PER SPECIFICATION IN ENGINEERED ROOF SHEATHING & NAILING DETAIL(RSH) ON FRAMING PLAN FOR EACH ROOFING MATERIAL AND ZONE
13. PORCH CEILINGS
FRONT PORCHES: 7/16" OSB ON UNDERSIDE OF ROOF TRUSSES. ATTACH OSB TO TRUSSES w/8d NAILS OR 7d SCREW SHANK @ 4" O.C. EDGES & FIELD. w/ EXTERIOR FINISH OF VENTED SOFFIT AND J-CHANNEL. STAPLE SOFFIT TO SUBSTRATE @ 8" O.C. INSTALL TRIM NAIL IN CENTER RIB OF PANEL @ 16" O.C.; ATTACH J-CHANNEL W/ 3/8" x 5/8" STAPLE @ 24" O.C. INTO OSB SUBSTRATE.
- REAR PORCHES: TEXTURED PAINTED: 1/2" EXTERIOR GYPSUM SOFFIT BOARD SHALL BE ATTACHED TO ALL FRAMING MEMBERS WITH 2x BLOCKING PROVIDED AT PERIMETER. THE GYPSUM BOARD SHALL BE ATTACHED w/ TYPE "W" 1 1/4" DRYWALL SCREWS @ 8" O.C. IN FIELD AND EDGES
14. PRE-ENGINEERED WOOD FLOOR TRUSS @ 24" O.C. (MAX.). SEE SECOND FLOOR FRAMING PLAN.
15. WOOD RIM BOARD - SEE DETAIL 2WS-S2 FOR CONNECTION REQUIREMENTS
16. 3/4" 1x6s WOOD DECKING GLUED AND ATTACHED w/ 8d x 2 1/2" SCREW SHANK NAIL @ 6" O.C. EDGES AND 12" O.C. FIELD. R1016GA. X 1 3/4" STAPLE @ 2" O.C. EDGES AND 4" O.C. FIELD. SEE SECOND FLOOR FRAMING SHEET. GLUE BETWEEN SHTG AND TRUSSES.
17. 2x4 #2 SYP HORIZ. FLAT BRACE @ 48" O.C. (EXTENDED MIN. (4) TRUSS BAYS) - FASTEN TO EA. TRUSS BOTTOM CHORD W/ (4) 10d NAILS
18. NOT USED
19. 1/2" DRYWALL ON 2x6 #2 SYP WOOD STUDS @ 16" O.C., U.N.O., SEE PLAN FOR SPACING, AND R-13 INSULATION AS REQUIRED
20. 7/16" STRUCTURAL 1 OSB EXPOSURE 1-OR-15/32" OSB SHEATHING ON EXT. WALLS w/ ALL EDGES BLOCKED ATTACH w/ 8d NAILS @ 3" O.C. EDGES AND 6" O.C. FIELD. OR 16GA. X 1 3/4" STAPLE @ 2" O.C. EDGES AND 4" O.C. FIELD.
21. 2x4 #2 SYP BOTTOM PLATE. NAILED w/ 10d NAIL @ 6" O.C. TO 2x RIBBON OR INSIDE PLY OF DOUBLE PLY RIM BOARD.
22. 1/2" DRYWALL ON 2x4 #2 SYP WOOD STUDS @ 16" O.C. AND INSULATION PER FBC AND ENERGY FORM SUBMITTED WITH PERMIT APPLICATION.
23. 2X WOOD HEADER OR BEAM @ OPENING, SEE SECOND FLOOR PLAN FOR SIZE & CONNECTORS.
24. (2) 2x4 #2 SYP TOP PLATES
25. SOLID BLOCKING BETWEEN FLOOR TRUSSES.
26. 2x6 #1 SYP STUDS @ 16" O.C. OR 2x6 #2 SYP STUDS @ 12" O.C. @ AREAS OPEN FROM FIRST FLOOR TO 2ND FLOOR CEILING. STUDS SHALL BE CONT. FROM P.T. 2x6 SILL PL. TO (2) 2x6 TOP PL. ATTACHED STUDS TO TOP PL. & SILL PL. W/ (1) USP M77 FRAMING ANGLE EA. END W/ (10) 10d x 1 1/2" NAILS.
27. VINYL SIDING OR HARDI PANEL (STONE VENEER DASHED) - SEE ARCH. DWGS. FOR REQUIREMENTS & INSTALL ALL COVERINGS PER MANUFACTURER RECOMMENDATIONS.
28. R704.3 ALUMINUM FASCIA.
- ALUMINUM FASCIA SHALL HAVE A MINIMUM THICKNESS OF 0.019 INCHES AND BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS AND THIS CODE. FASTENERS SHALL BE ALUMINUM OR STAINLESS STEEL. ALUMINUM FASCIA SHALL BE ATTACHED IN ACCORDANCE WITH SECTION R704.3.1, R704.3.2 OR R704.3.3. THE DRIP EDGE SHALL COMPLY WITH R905.2.8.5, AND THE THICKNESS OF THE DRIP EDGE SHALL BE IN ACCORDANCE WITH TABLE R903.2.1.
29. VENTED SOFFIT AND J-CHANNEL, STAPLE SOFFIT TO SUB-FASCIA w/ 1/4" CROWN X 3/4" LEG STAPLE @ EACH OF THE FOLLOWING LOCATIONS, THE MALE & FEMALE PLUG AND CENTER FLUTE. SUBSTRATE ATTACHMENT: J-CHANNEL: WOOD - ATTACH w/ 1/4" X 3/4" LEG STAPLE IN DIAMOND PATTERN @ 12" O.C.
- 29a. VENTED SOFFIT AND F-CHANNEL, STAPLE SOFFIT TO SUB-FASCIA w/ 1/4" CROWN X 3/4" LEG STAPLE @ 8" O.C. SUBSTRATE ATTACHMENT: F-CHANNEL: WOOD - ATTACH w/ 1/4" CROWN X 3/4" LEG STAPLE IN DIAMOND PATTERN @ 24" O.C. MASONRY - ATTACH w/ 14ga. 5/8" T-NAIL W/ 3/8" DIAMETER HEAD @ 8" O.C.
30. METAL DRIP EDGE.
31. VALLEY FLASHING, AS REQUIRED.
32. 1/2" CEILING BOARD INSULATION PER FBC AND ENERGY FORM SUBMITTED WITH PERMIT APPLICATION.
33. WOOD BASE (SEE ARCH. DWG'S.)
34. PIER BASE AND CAP TRIM. SEE EXTERIOR ELEVATIONS.
35. MSTA 12" @ END TRUSS AND 24" O.C., INSTALL 6" UP ON RIM BOARD AND 6" ON UNDERSIDE OF TRUSS.
36. PROVIDE (1) VERT. 2x6 BLOCK BETWEEN TOP & BOTT. RIBBONS & (1) ADDITIONAL VERT. 2x6 BLOCK TO INSIDE OF RIBBONS - FASTEN BLOCKS TOGETHER & TO TOP & BOTT. RIBBON W/ (4) 10d NAILS IN EACH (ONLY 1) VERT. 2x6 BLOCK REQ'D. @ DOUBLE RIM BOARD W/ SAME FASTENING)
37. FASTEN 2ND FLOOR COL. TO RIM BOARD W/ (2) MSTA18'S & FASTEN RIM BOARD TO 1ST FLOOR COL. W/ (2) MSTA18'S
38. FRAMEFAST F6.F0L SCREWS @ 8" O.C. MAX.

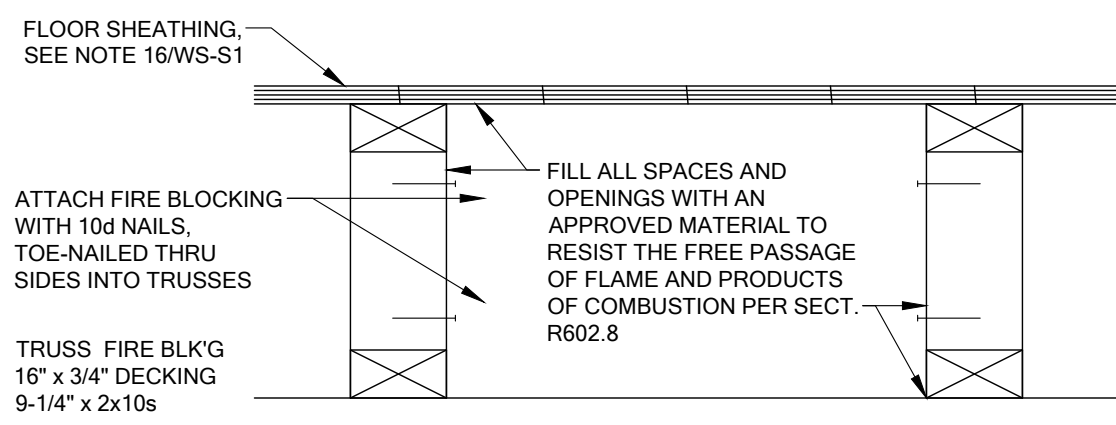




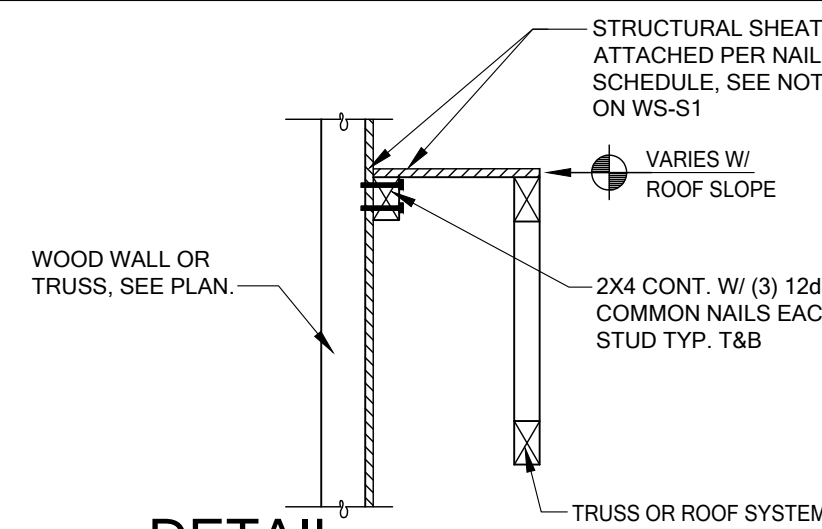
DETAIL
WF31 TYPICAL WALL SECTION
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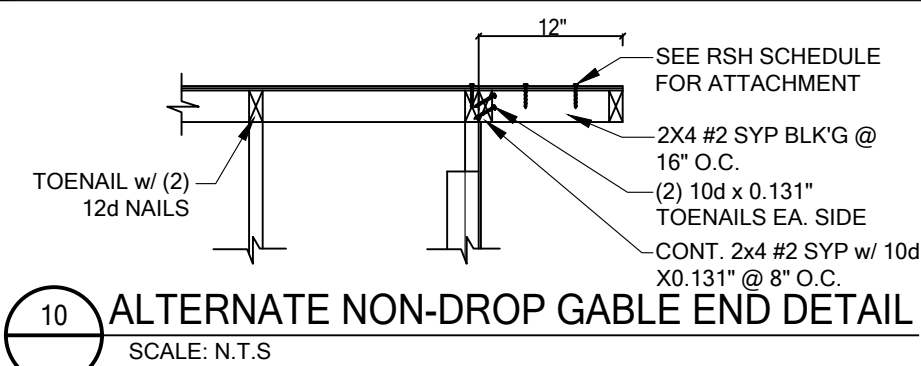
TB14 NON-BRG. EXTERIOR WALL
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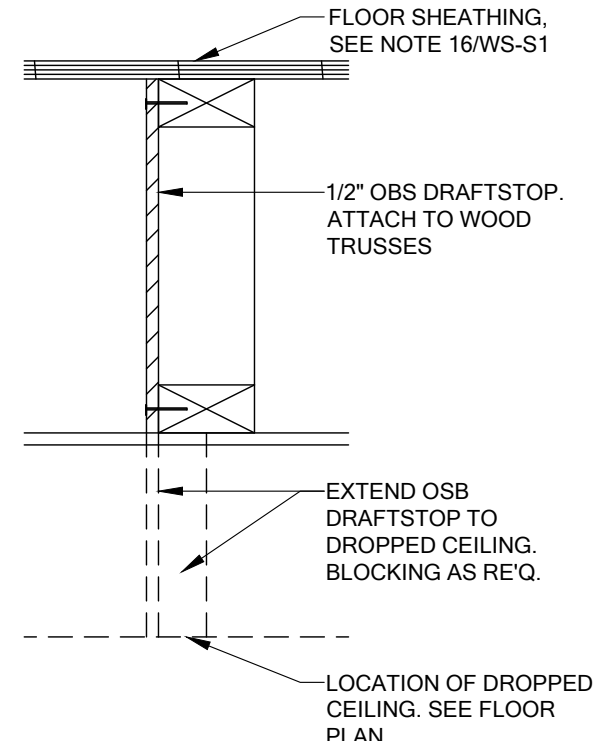
3 TRUSS FLOOR DETAIL
SCALE: N.T.S.



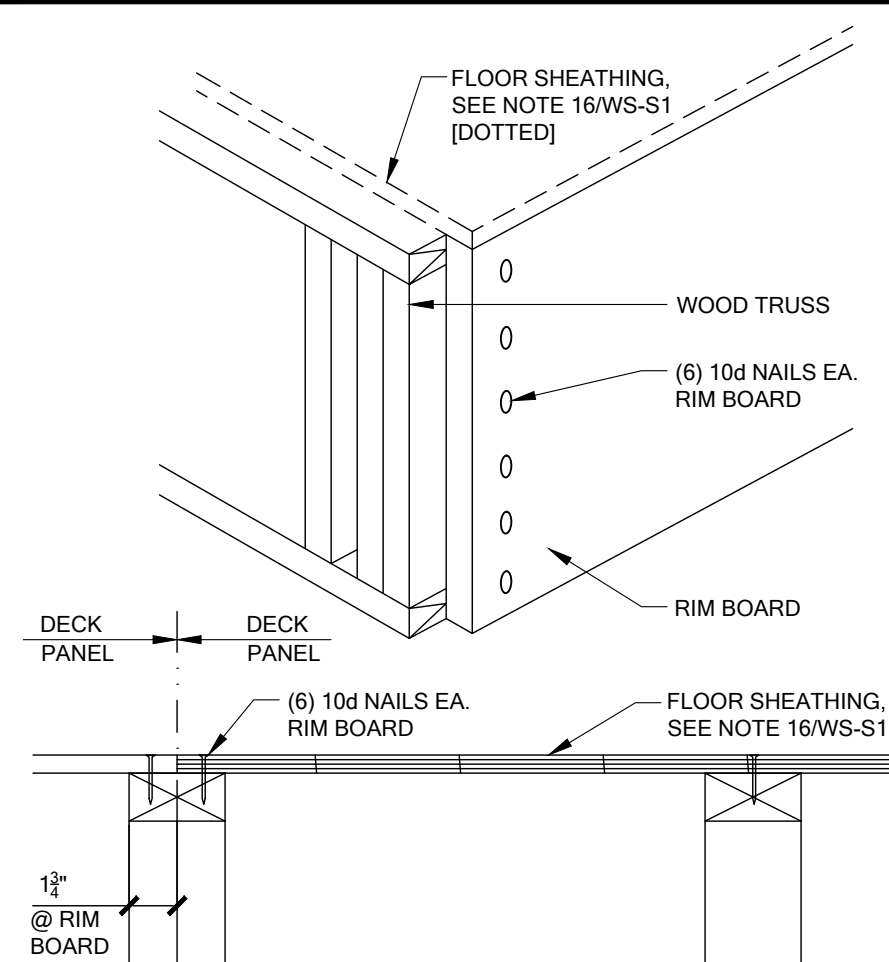
8 DETAIL
SHEAR TRANSFER EXTERIOR WALL
SCALE: N.T.S.



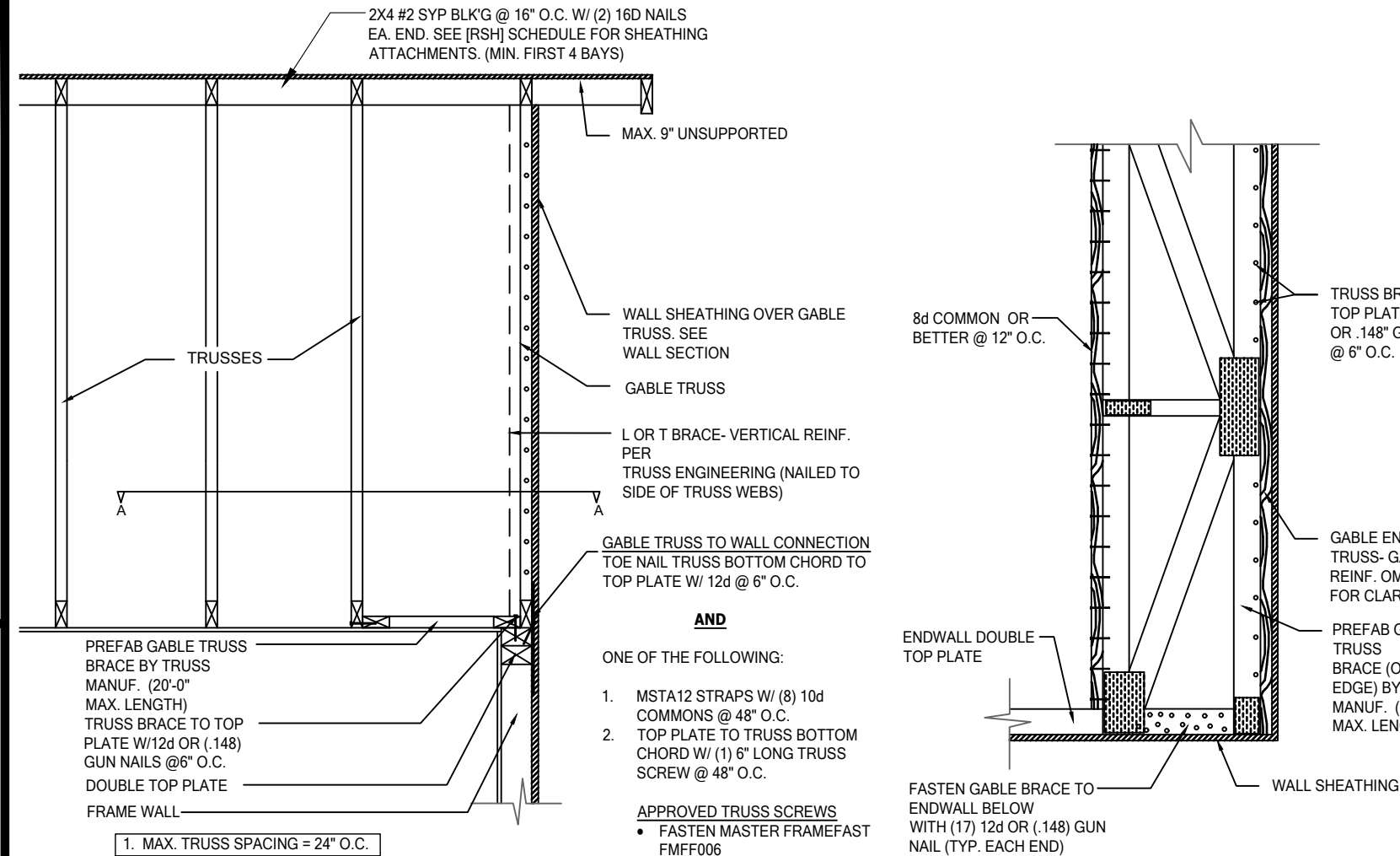
10 ALTERNATE NON-DROP GABLE END DETAIL
SCALE: N.T.S.



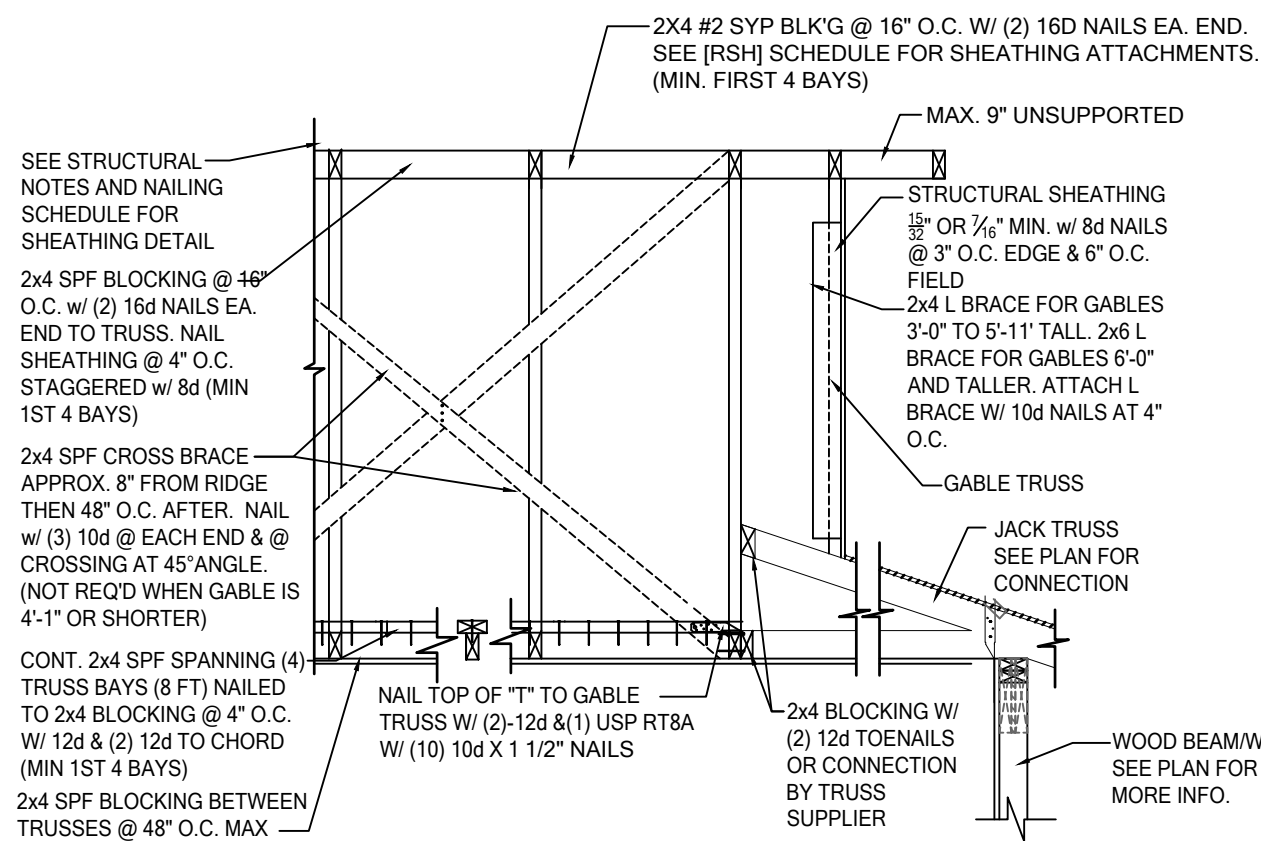
1 TRUSS FLOOR DETAIL
DRAFT STOPPING
SCALE: N.T.S.



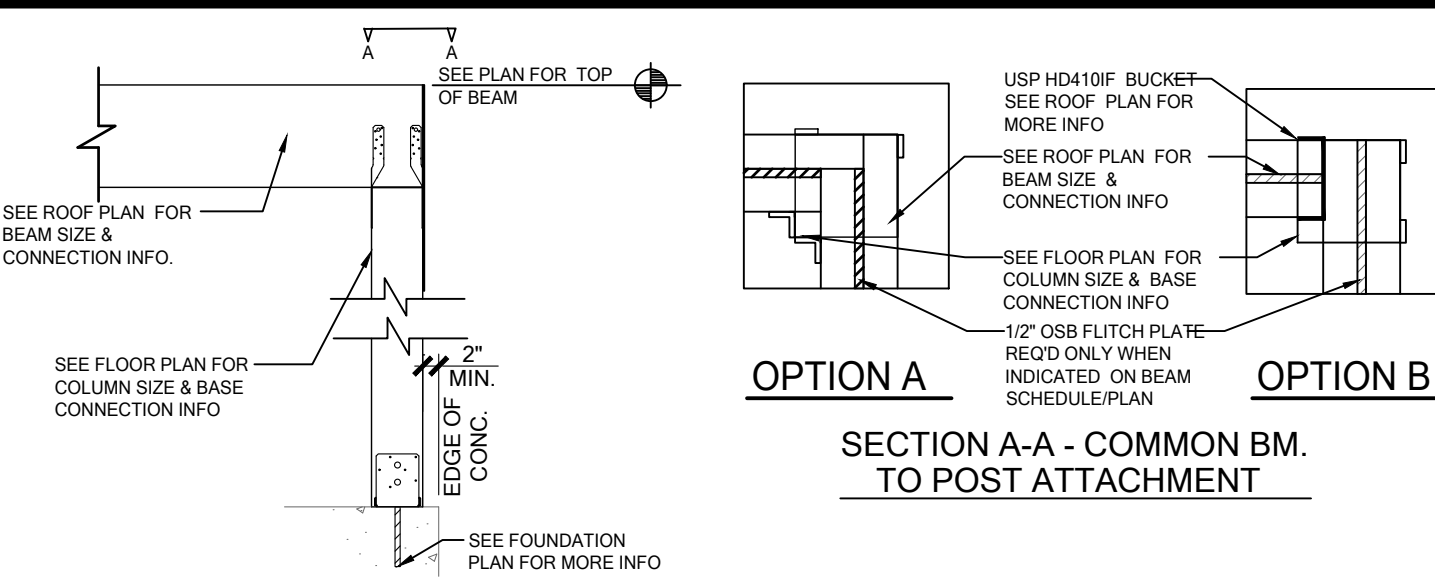
2 TRUSS FLOOR DETAIL
DECK CONNECTION @ PANEL JOINT
SCALE: N.T.S.



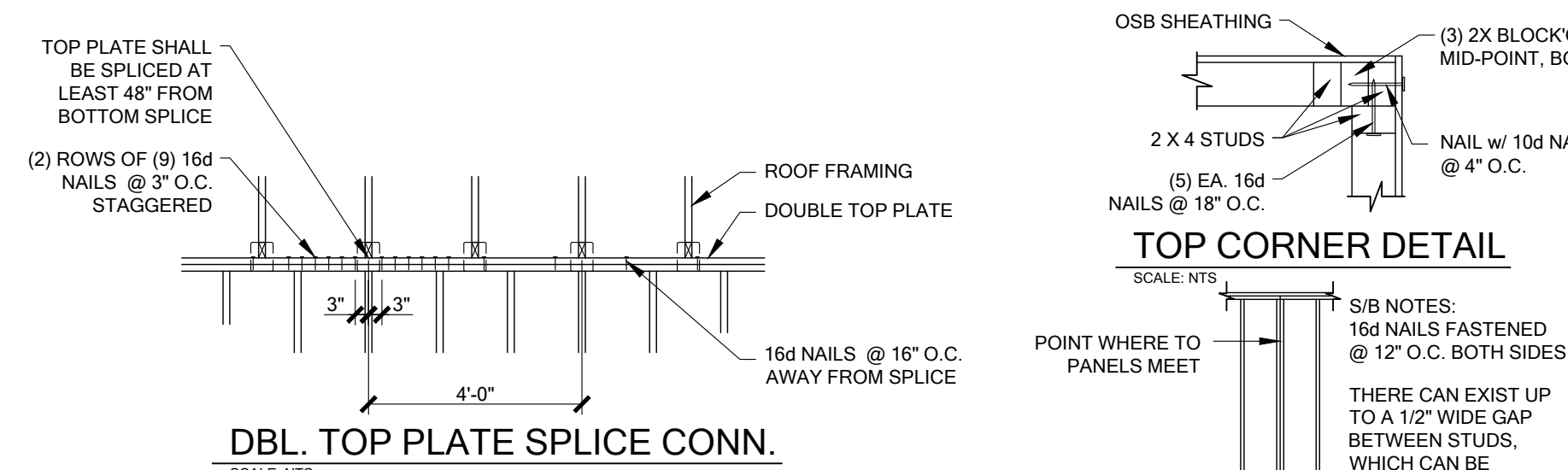
GE24 DETAIL
GABLE BRACING W/ WIND TRUSS
SCALE: N.T.S.



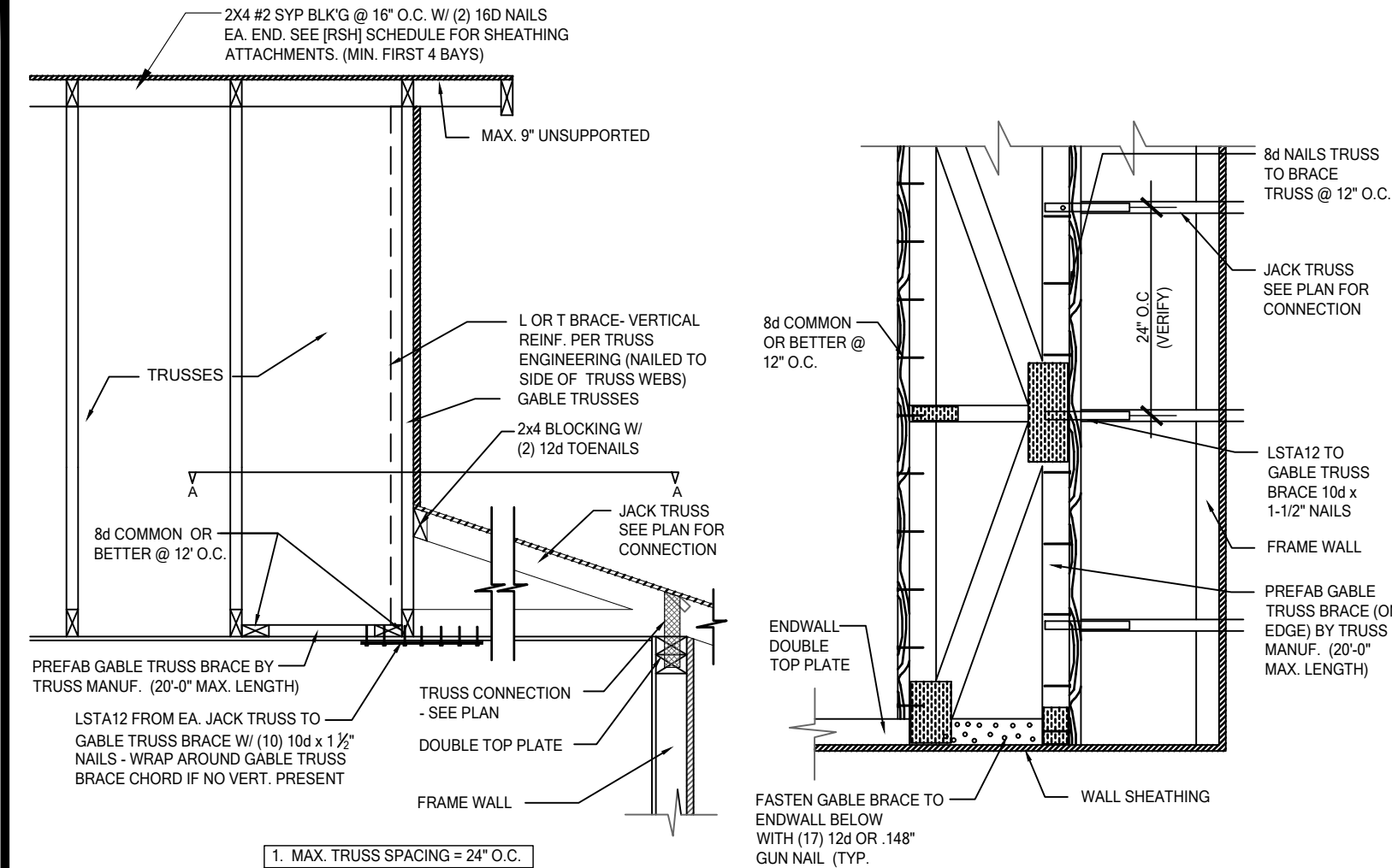
GE26 DETAIL
SECTION @ DUTCH GABLE W/ VALLEY TRUSS
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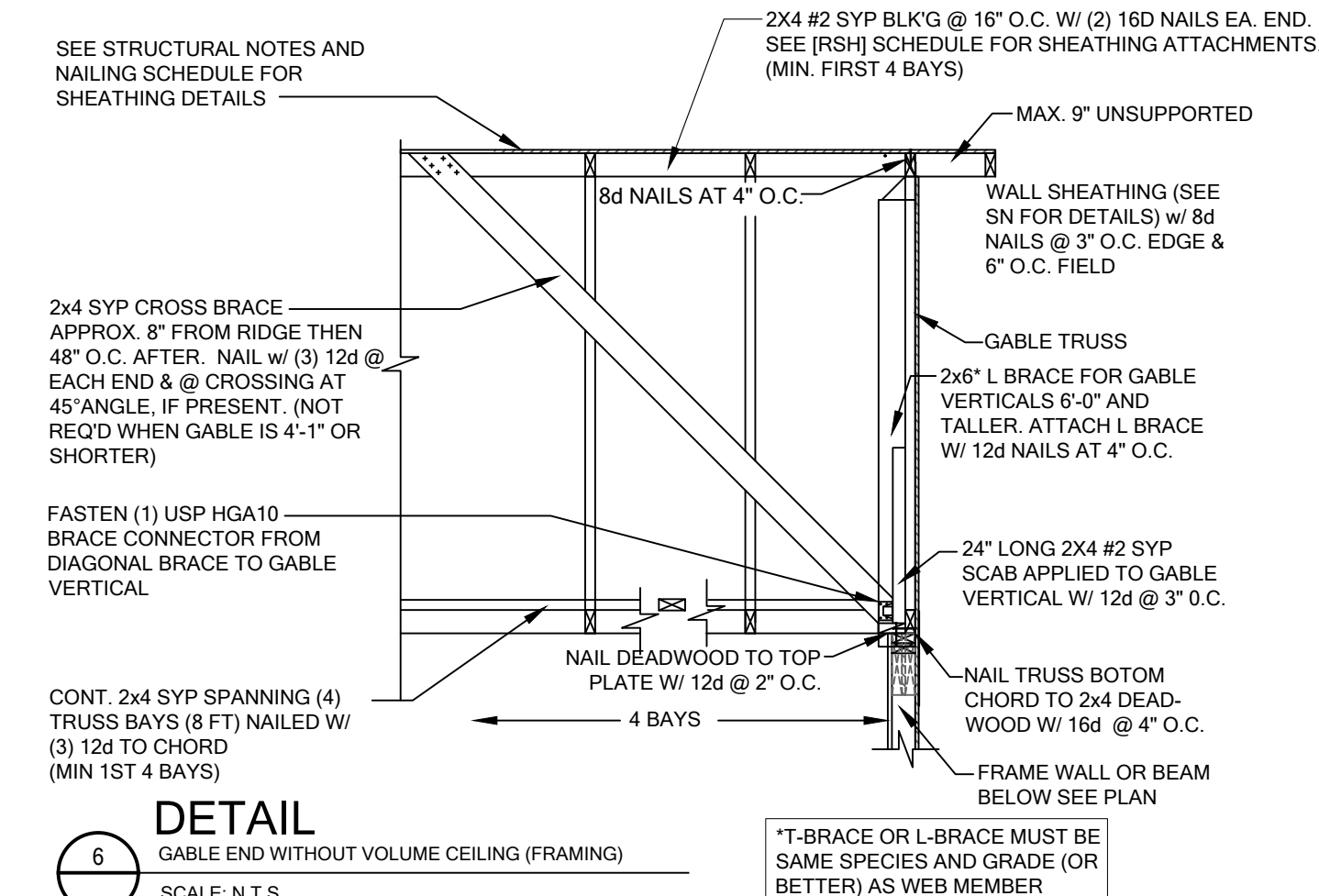
CD11 COMMON BM. ATTACHMENT
SCALE: N.T.S.



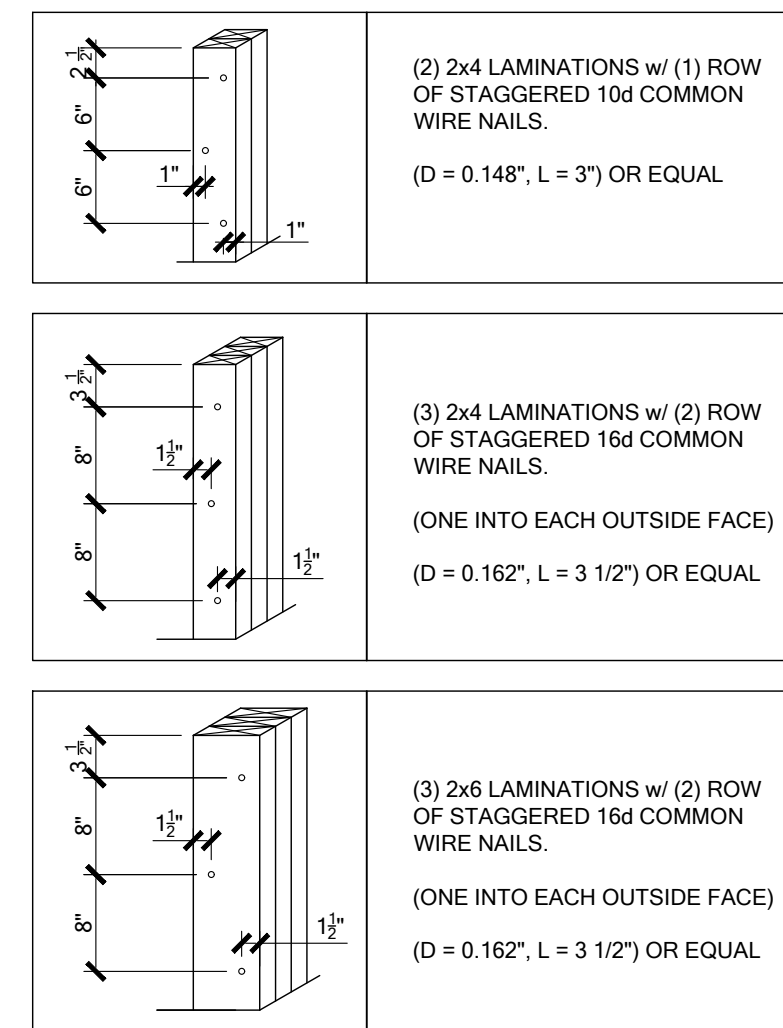
N WALL DETAILS
SCALE: N.T.S.



GE27 DETAIL
DUTCH GABLE BRACING W/ WIND TRUSS
SCALE: N.T.S.



6 DETAIL
GABLE END WITHOUT VOLUME CEILING (FRAMING)
SCALE: N.T.S.



K STD. NAILING FOR BUILT-UP COLUMNS

To the best of the Engineer's knowledge, information and belief, the structural plans and specifications contained within these drawings comply with the Florida Building Code 8th Edition (2023) Residential. Engineer's signature and seal is only for the structural engineering portions of the drawing pages bearing Engineer's signature and seal.
CA No. 9161 AA2603115



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MARONDA James
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Sanford, FL 32771
(407) 902-9871

Community: Forest Cove
Plan Name: Livorno
Garage Side: Elev - J
Left
Lot: 6
Block:
Address: TBD SW Cadence Glen
Lake City, FL 32024
Job No. 9FC00601
Renaissance Series

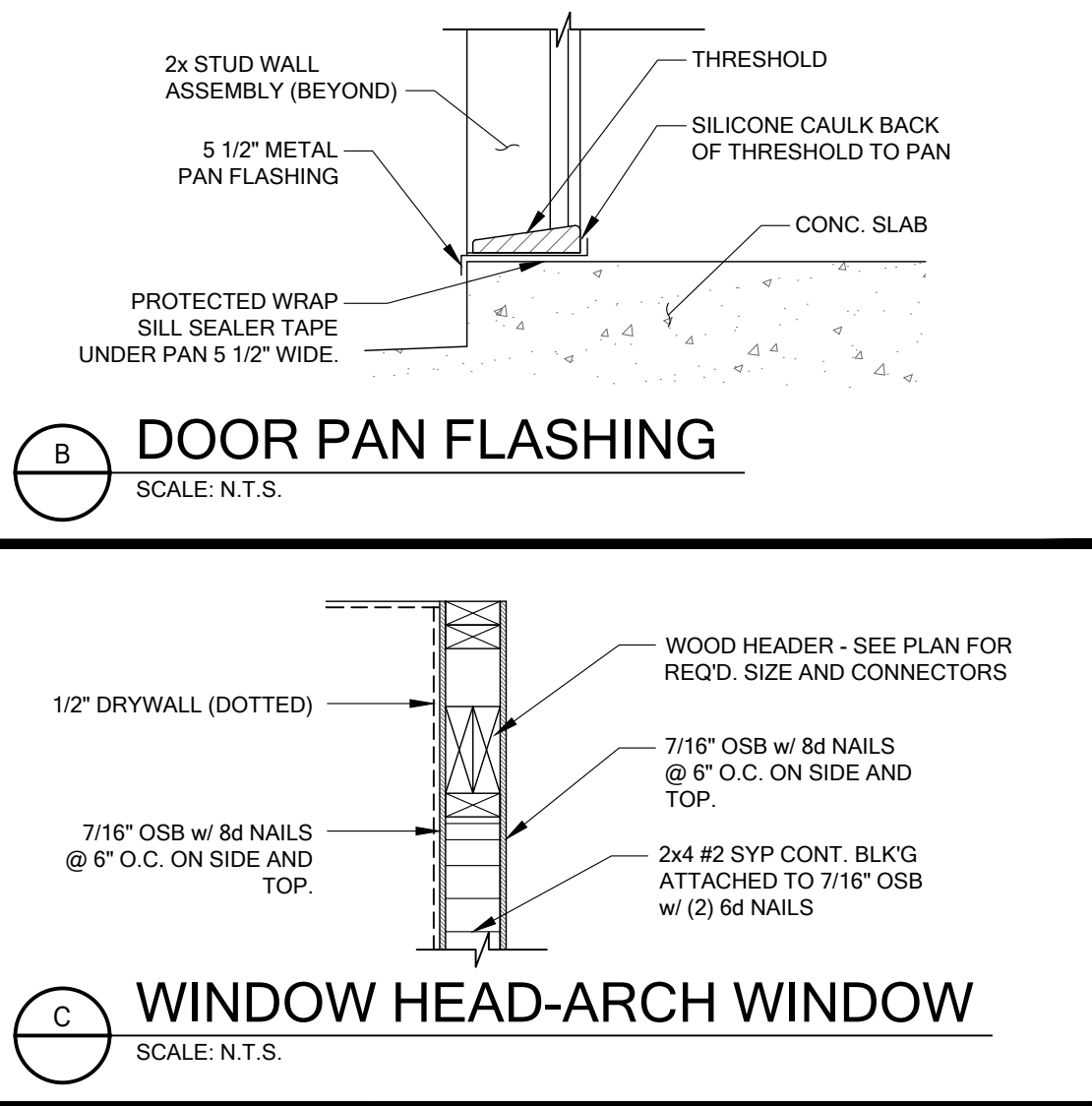
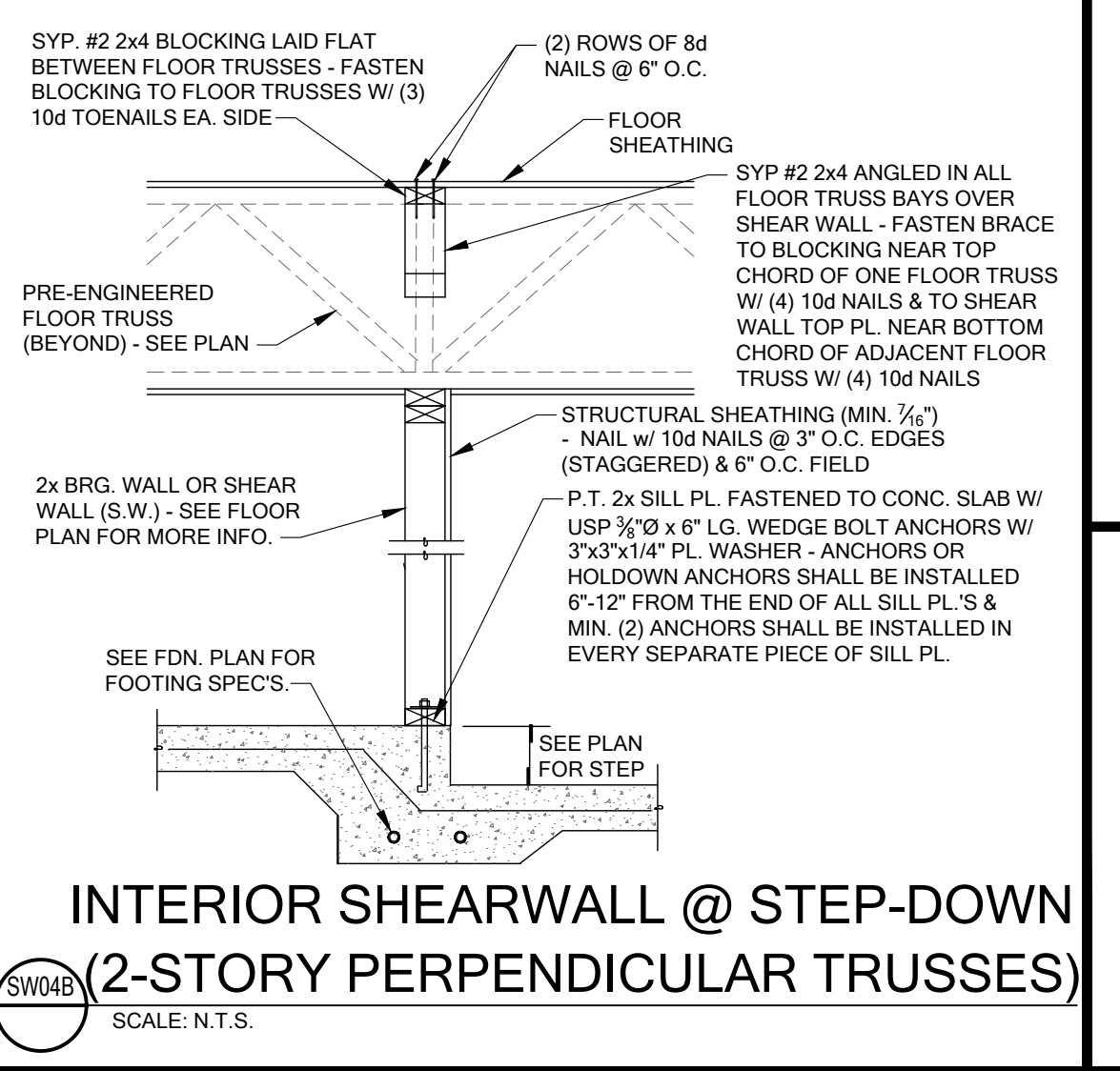
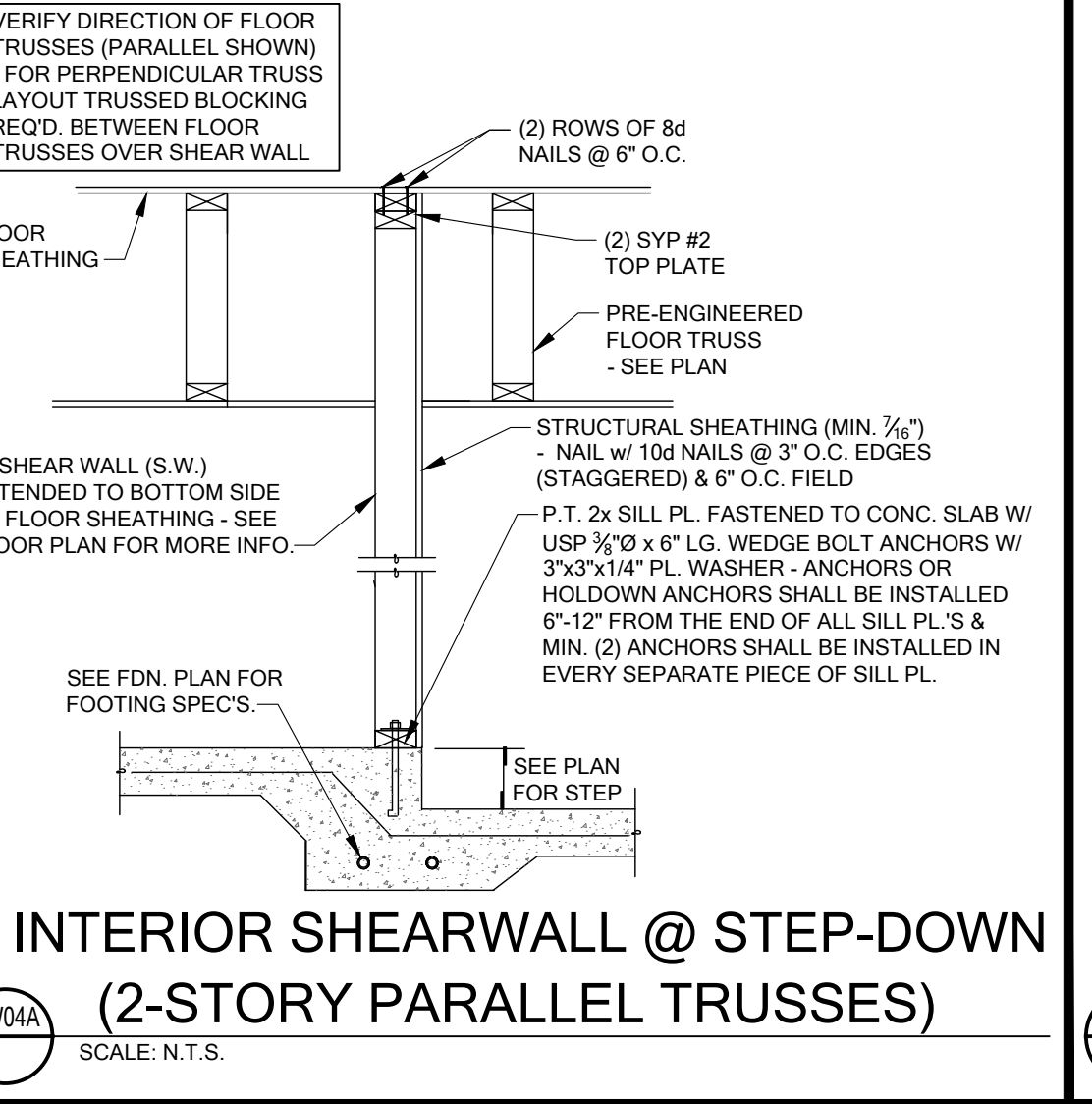
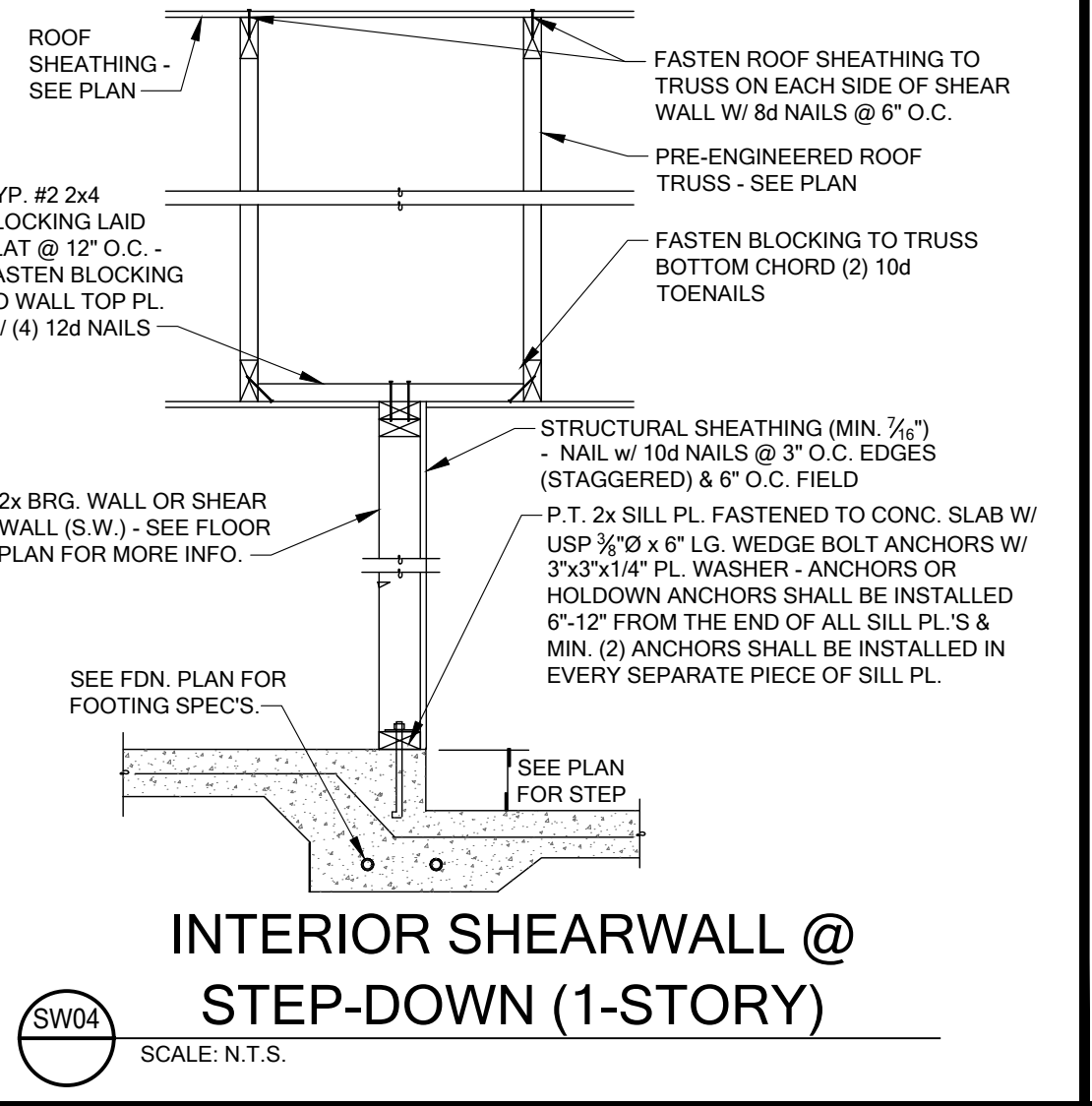
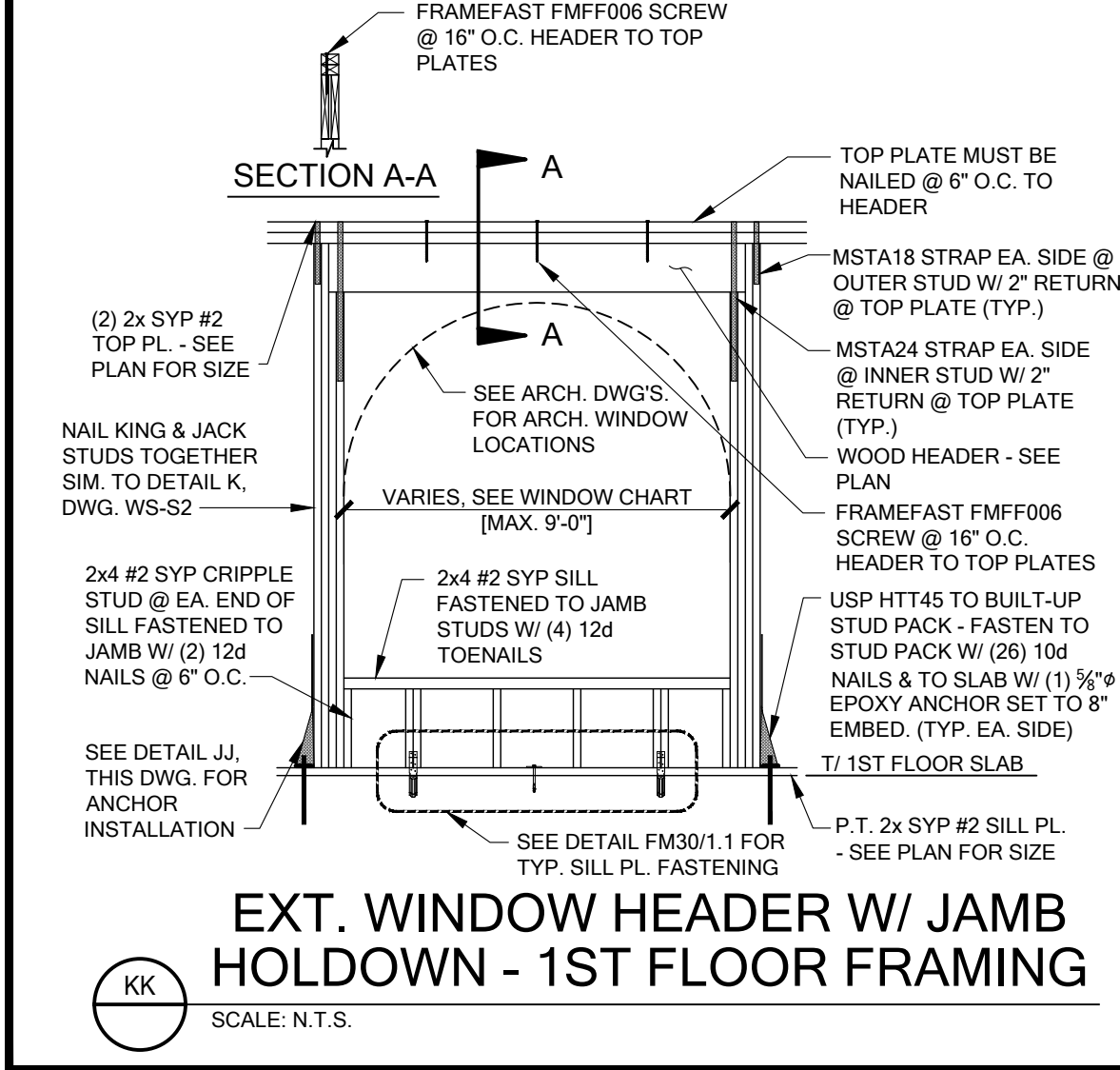
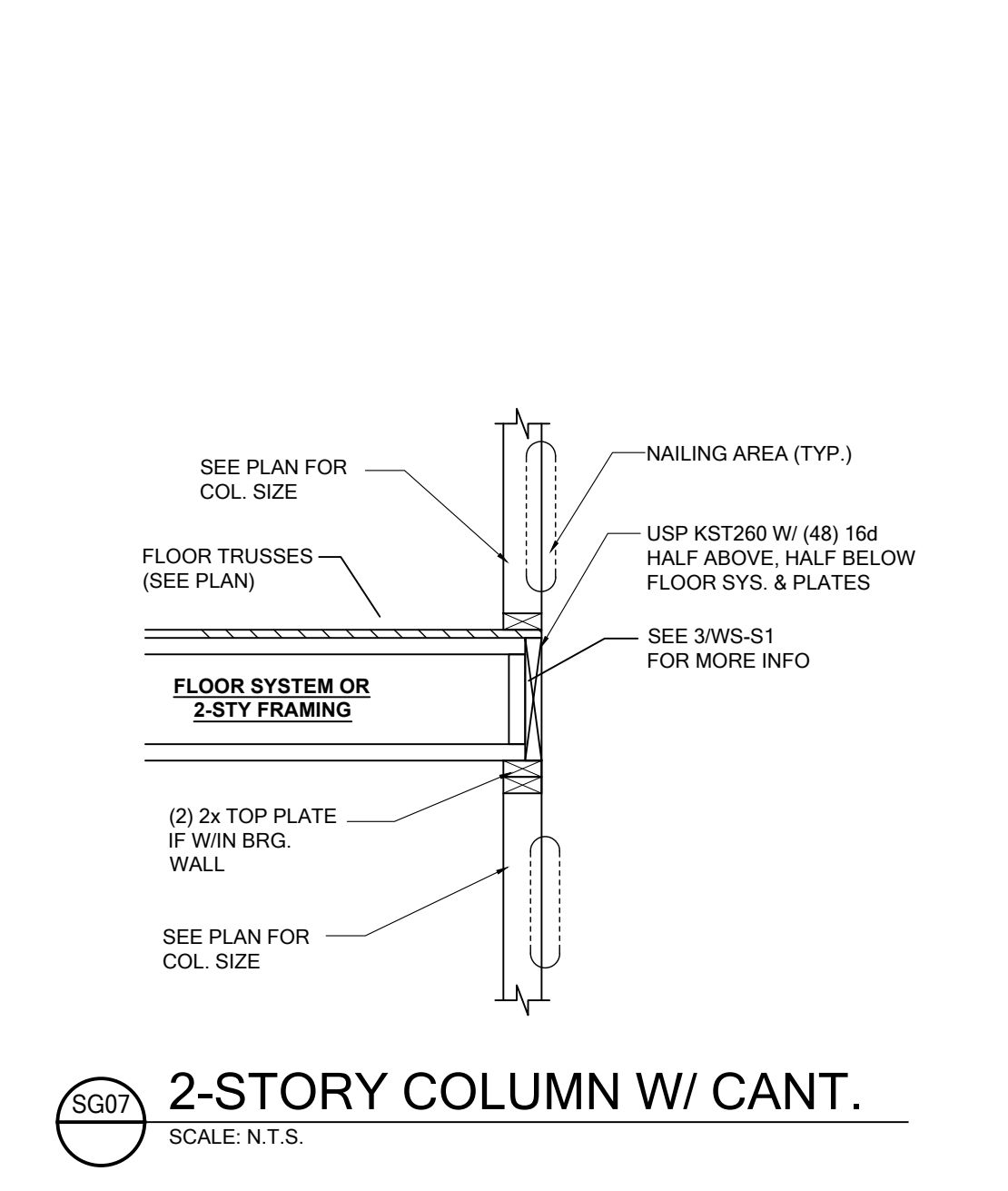
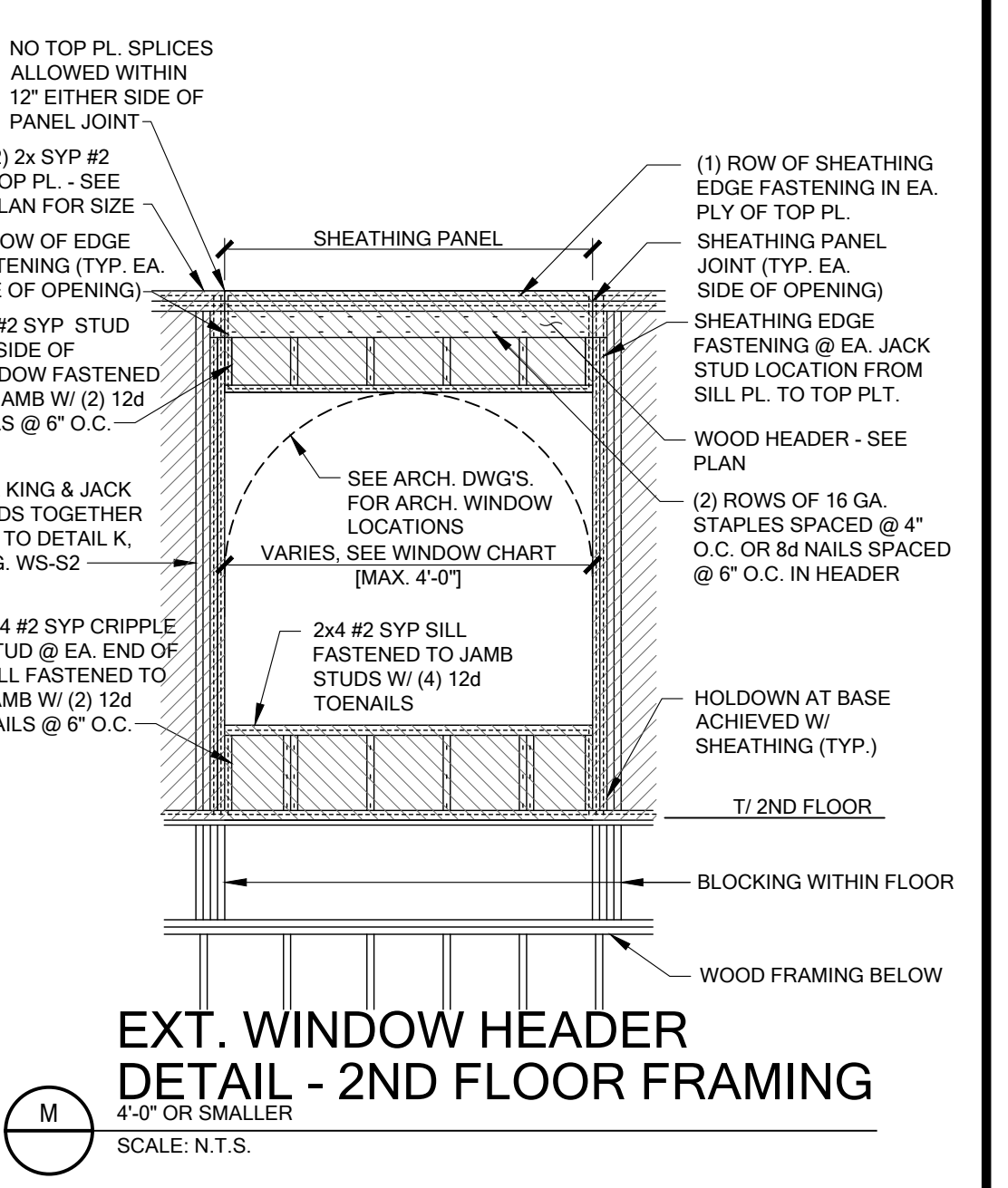
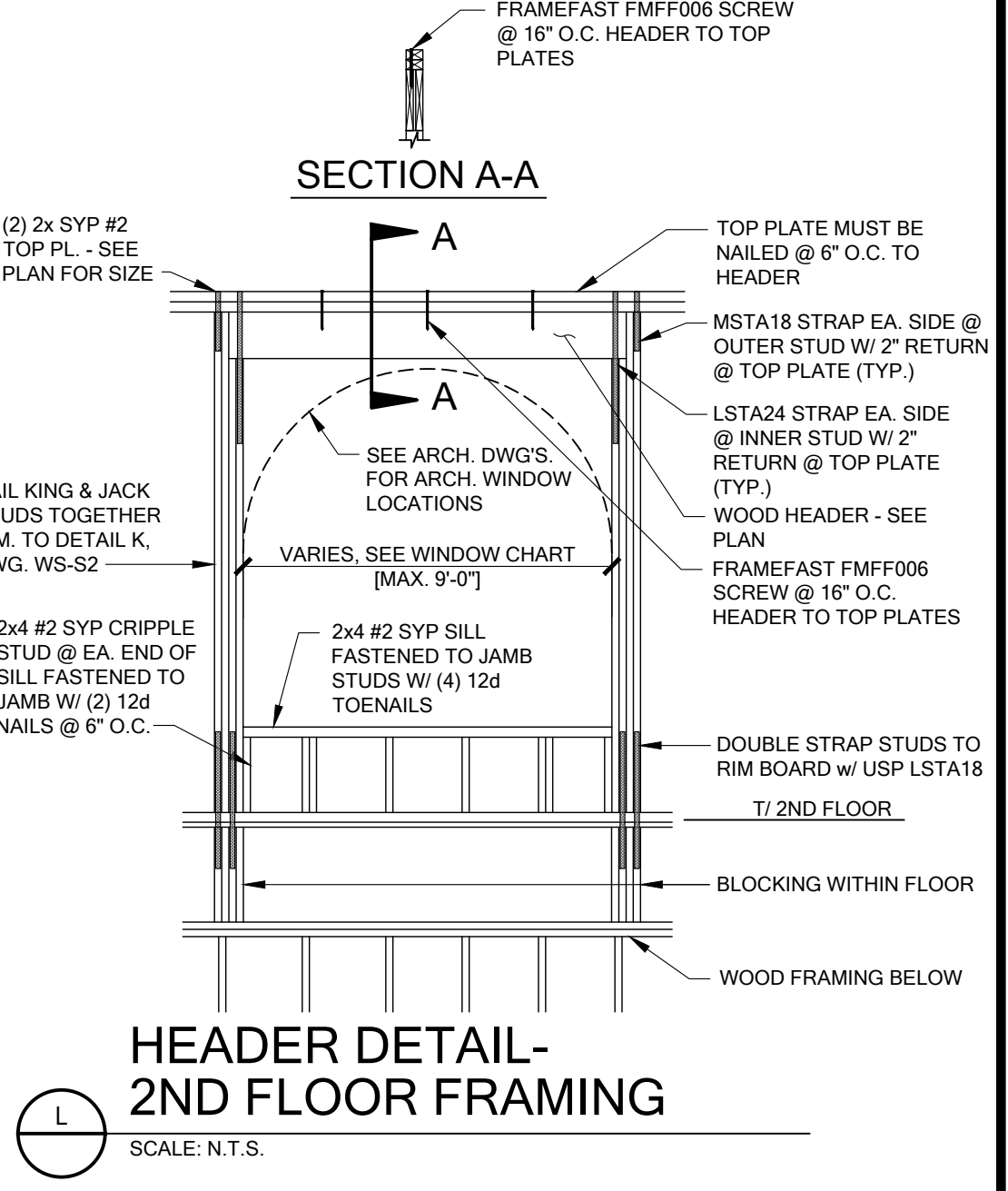
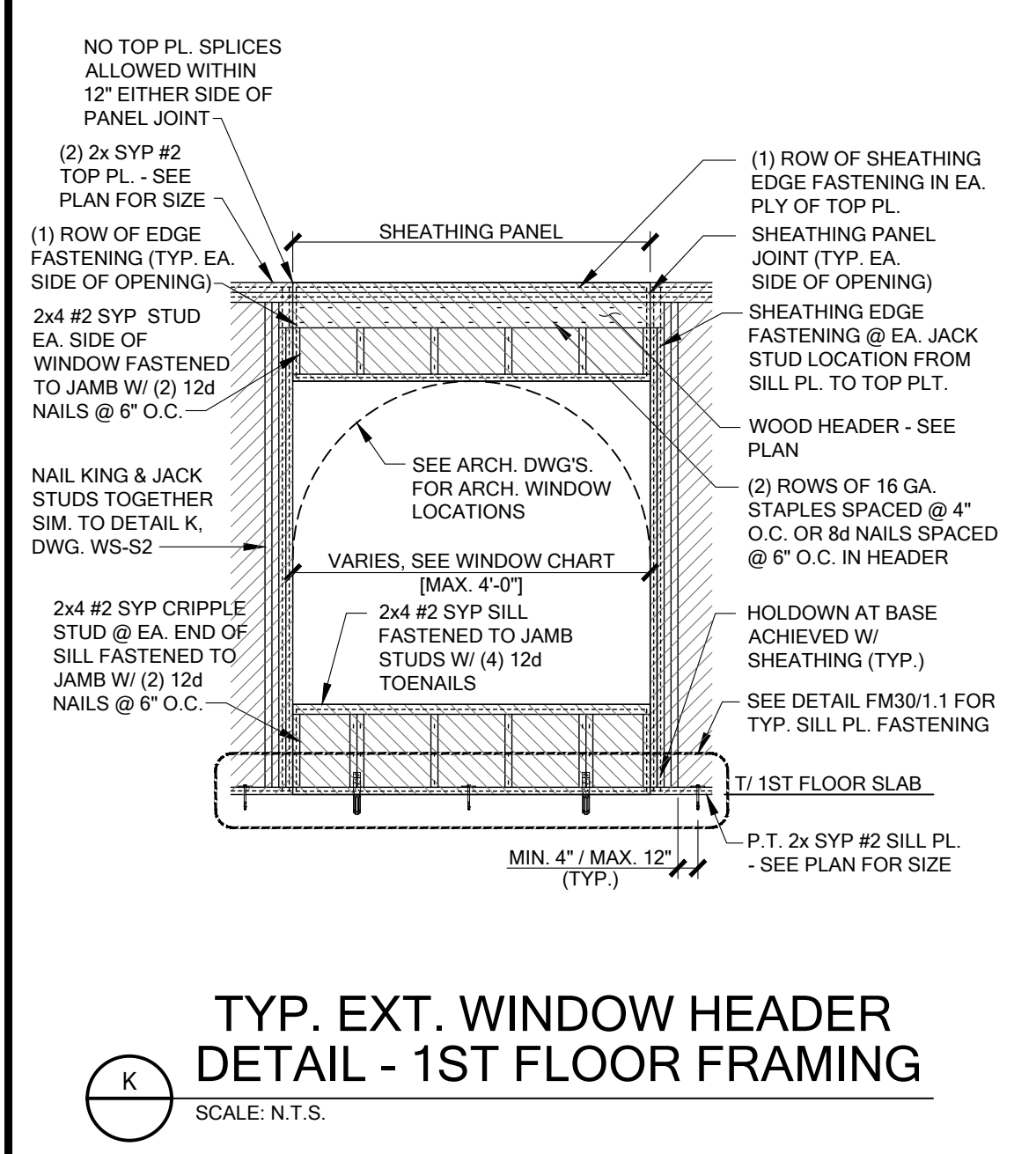
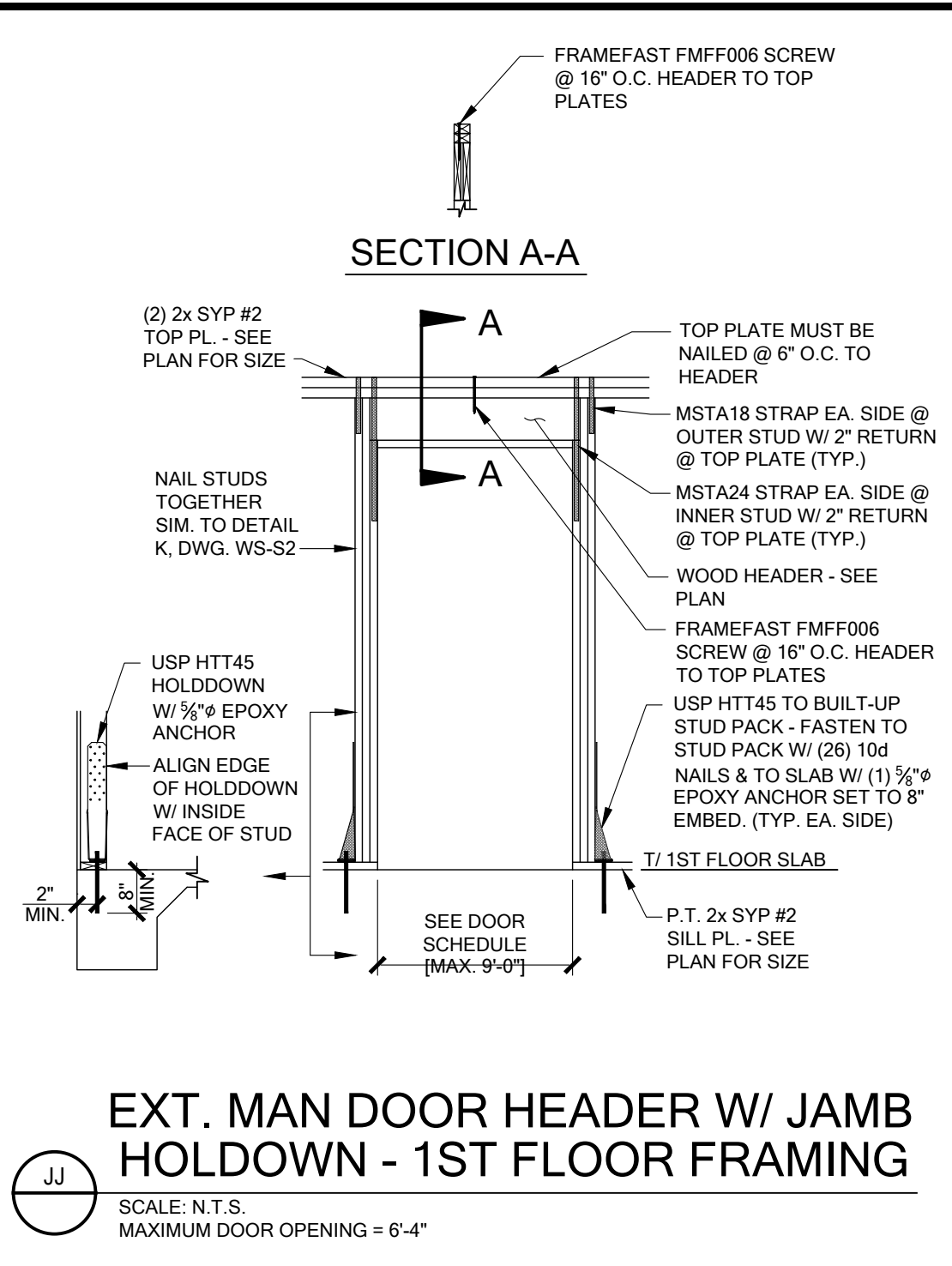
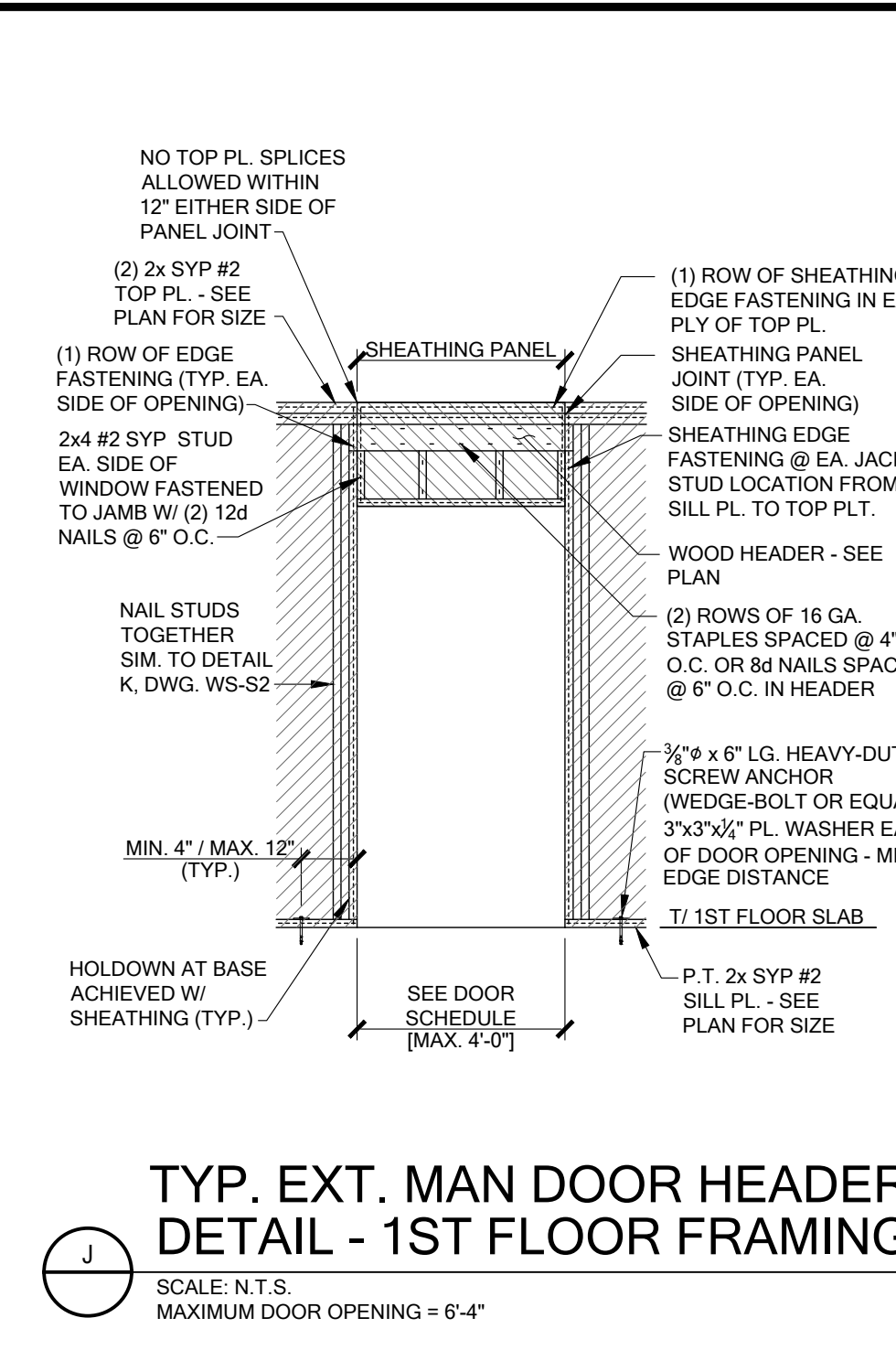
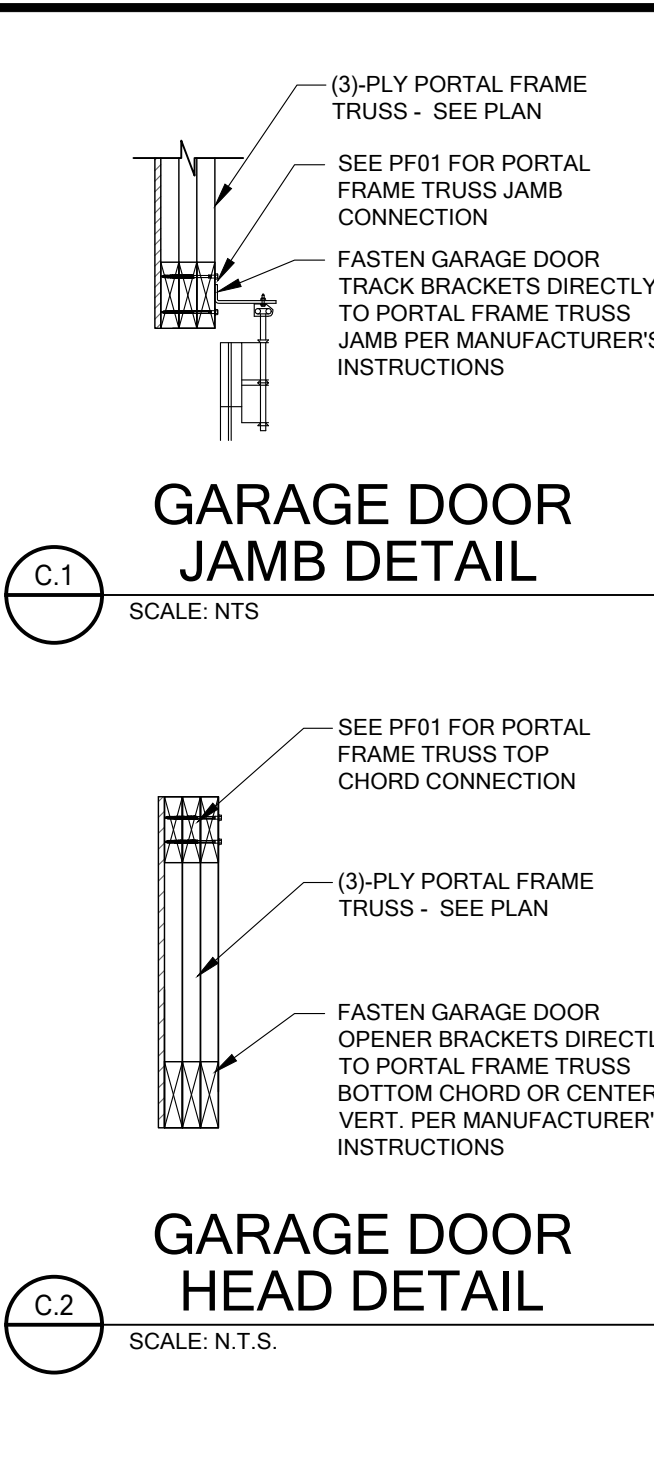
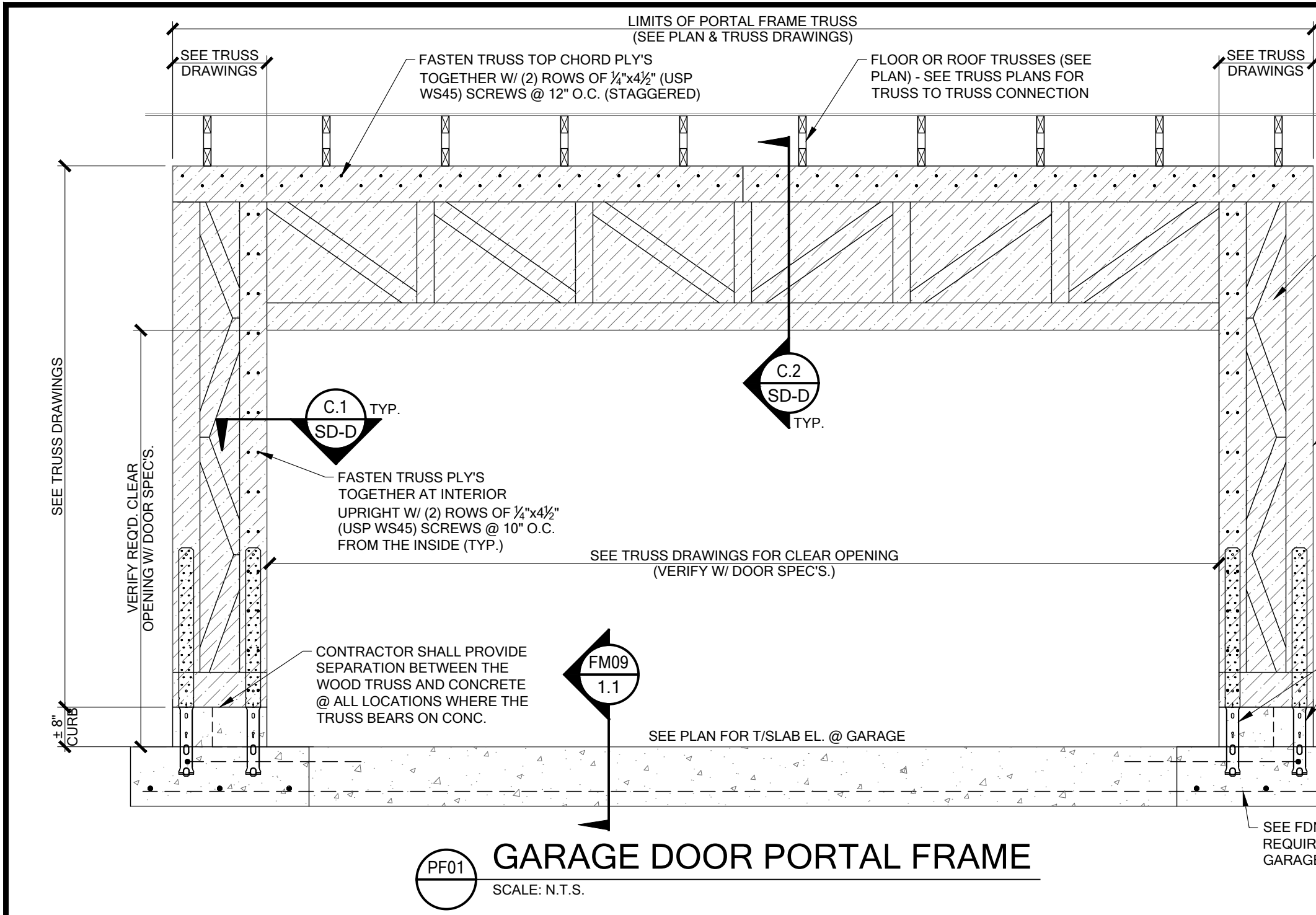
Reference No. 25-00449

WS-S2

DETAILS

FOR COUNTY
USE ONLY

01/20/2025



FOR COUNTY USE ONLY

01/20/2025

To the best of the Engineer's knowledge, information and belief, the structural plans and specifications contained within these drawings comply with the Florida Building Code 8th Edition (2023) Residential. Engineer's signature and seal is only for the structural engineering portions of the drawing pages bearing Engineer's signature and seal.

CA No. 9161 AA26003115

TSG

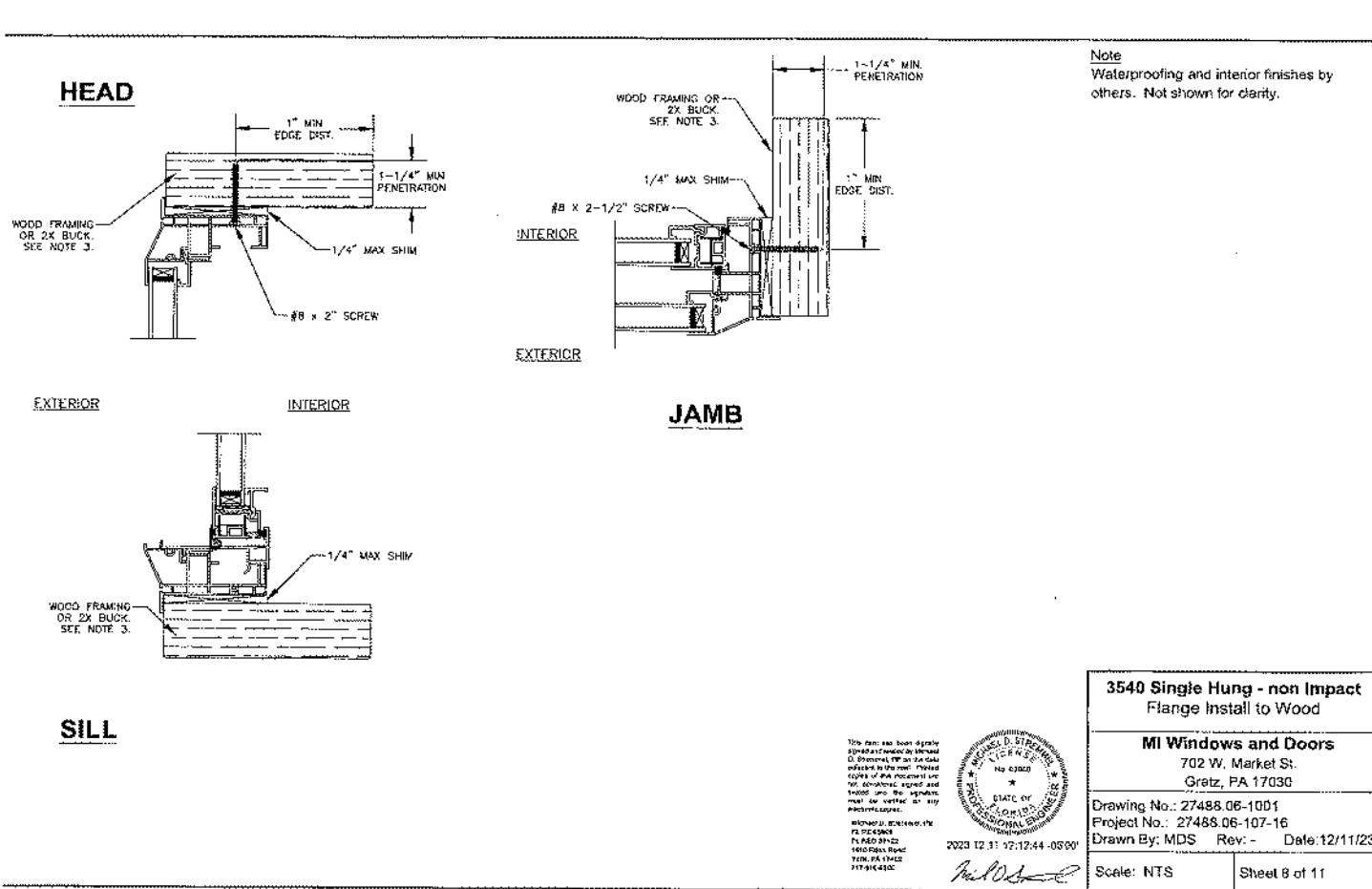
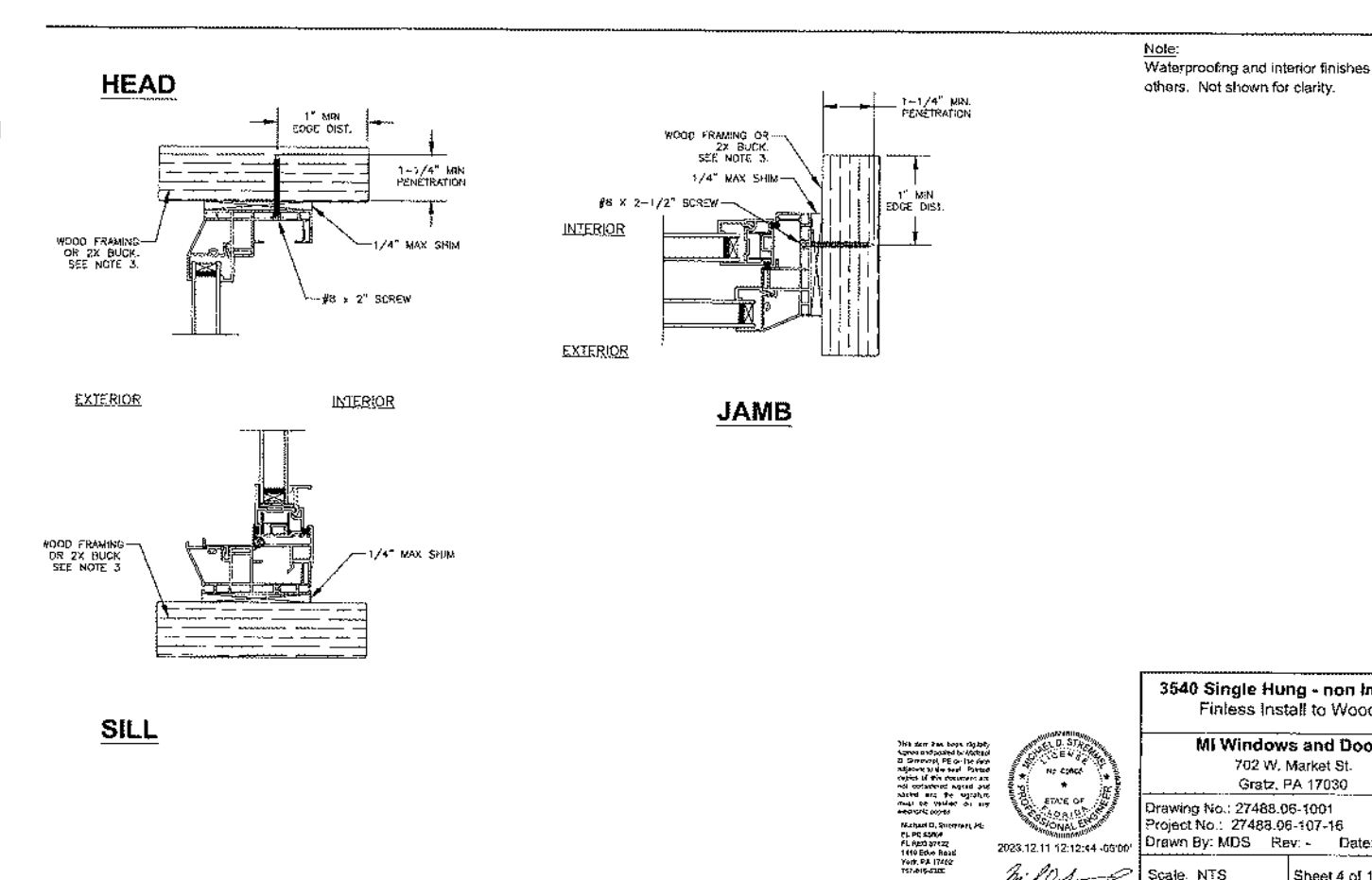
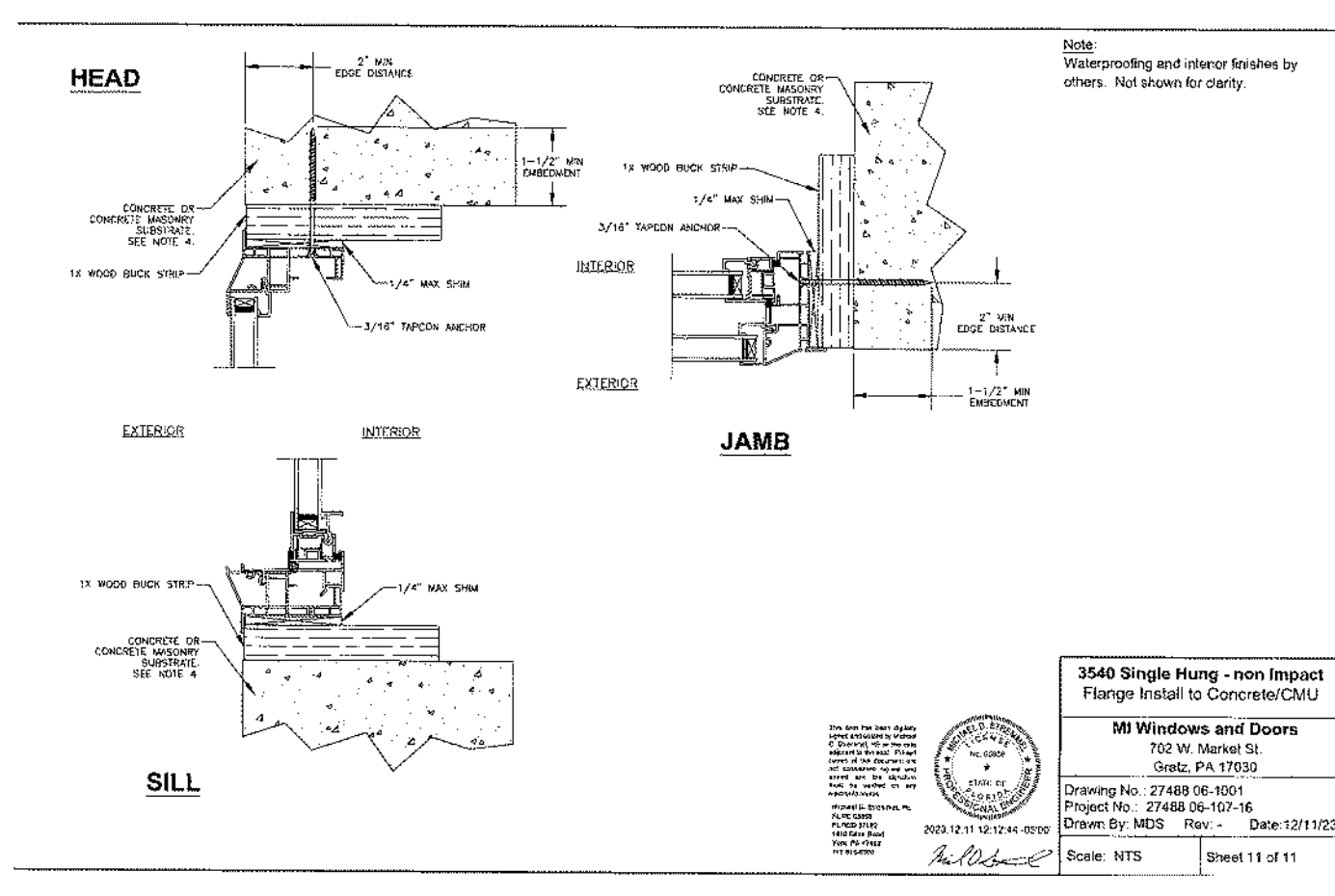
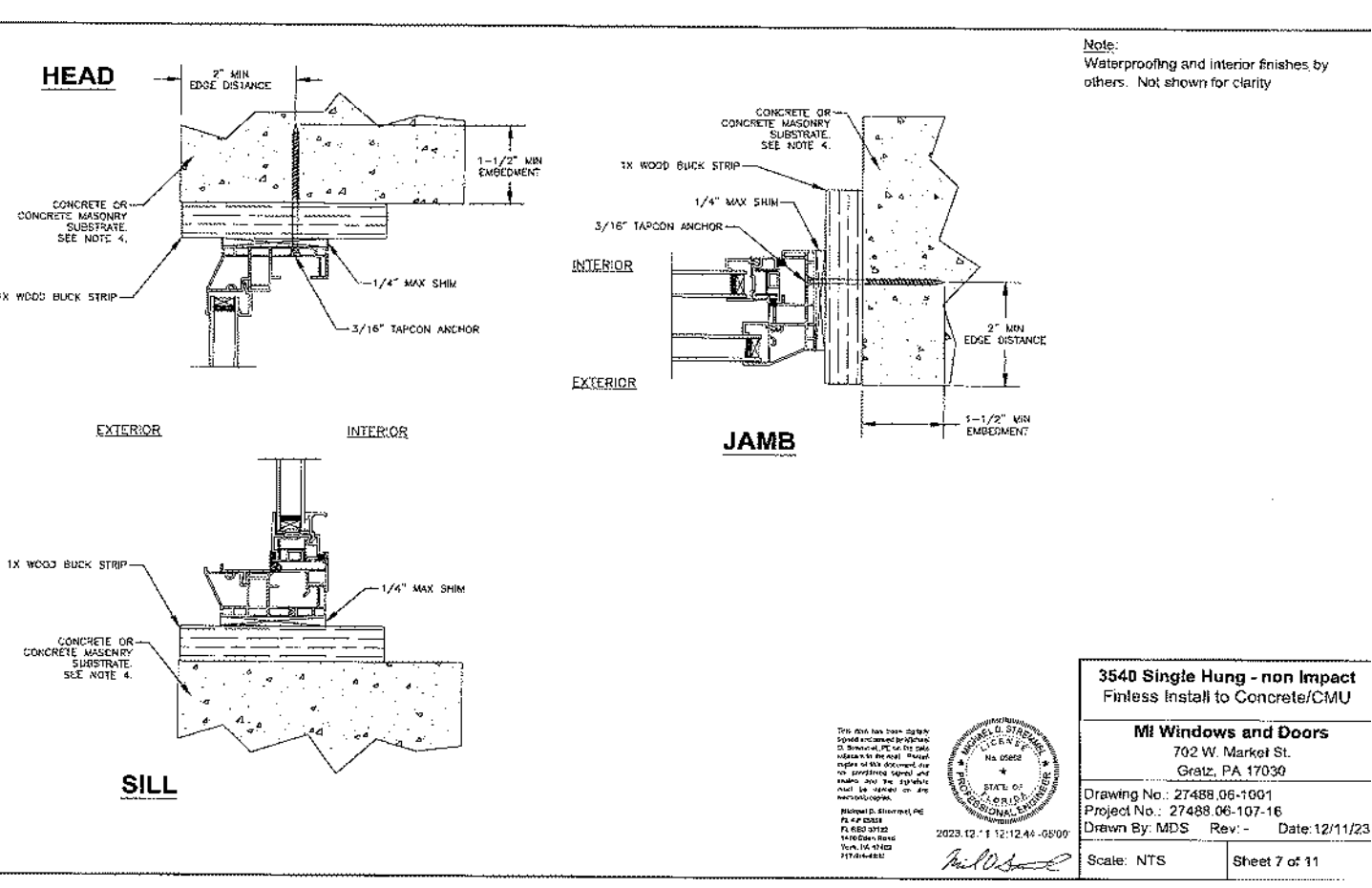
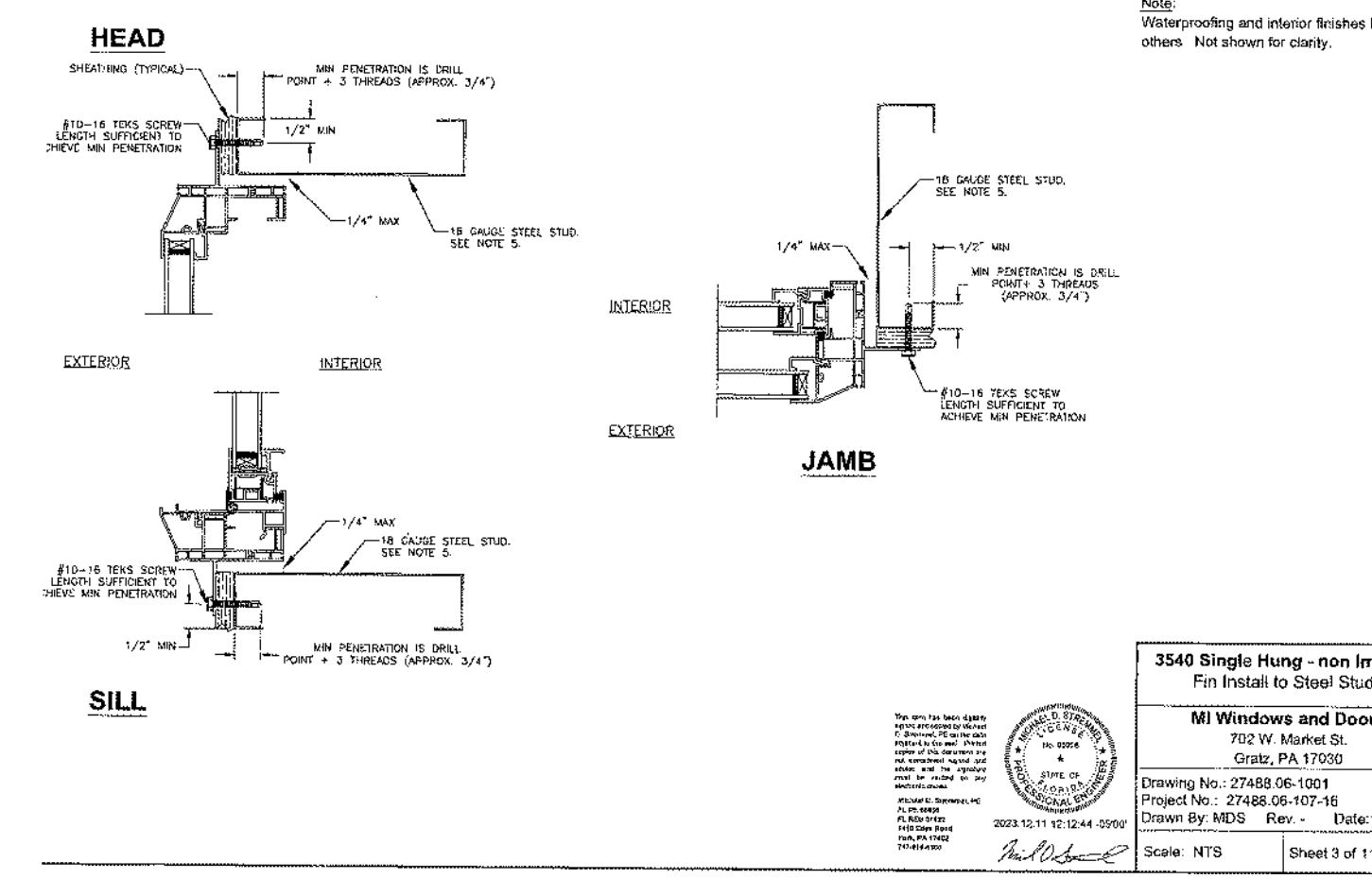
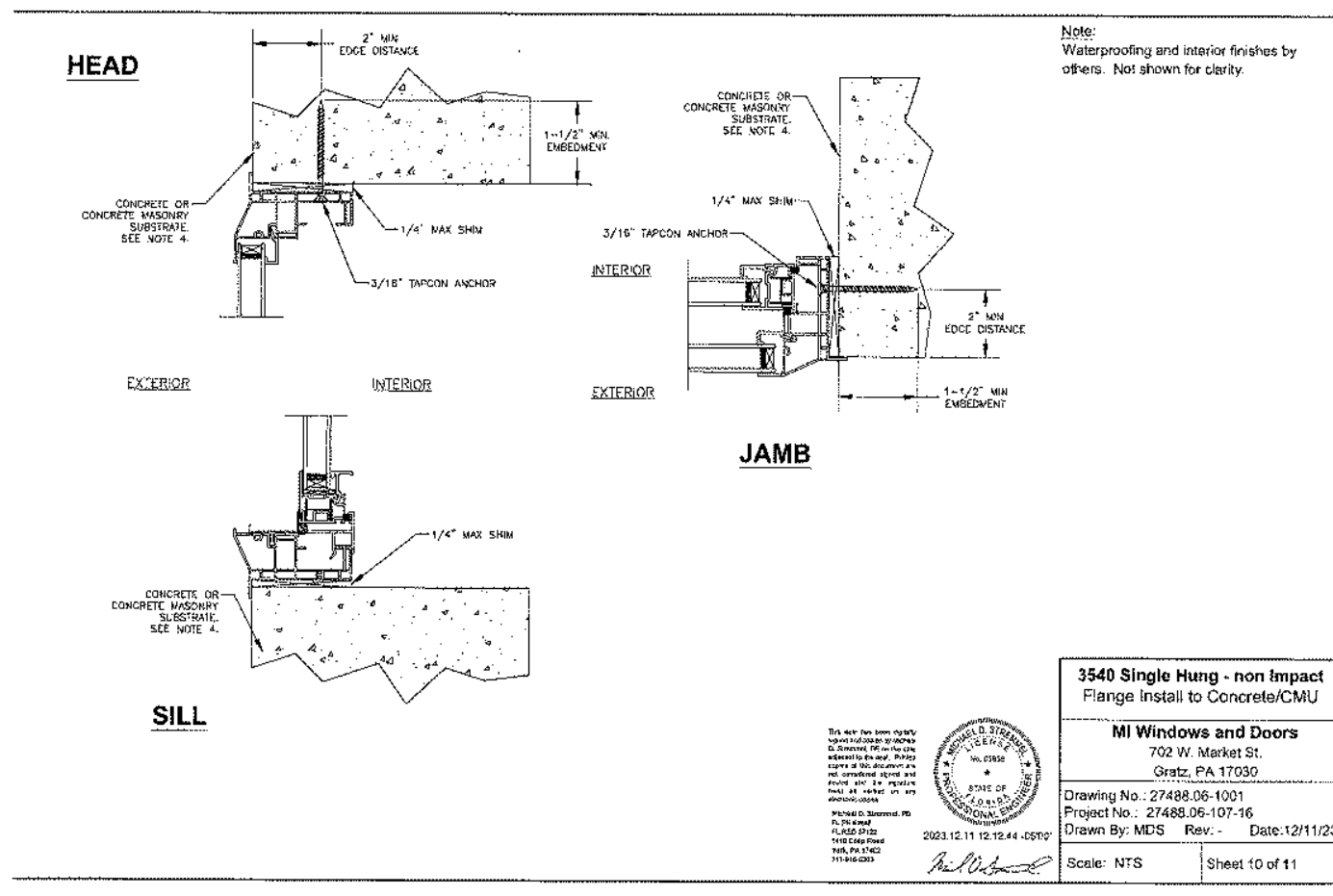
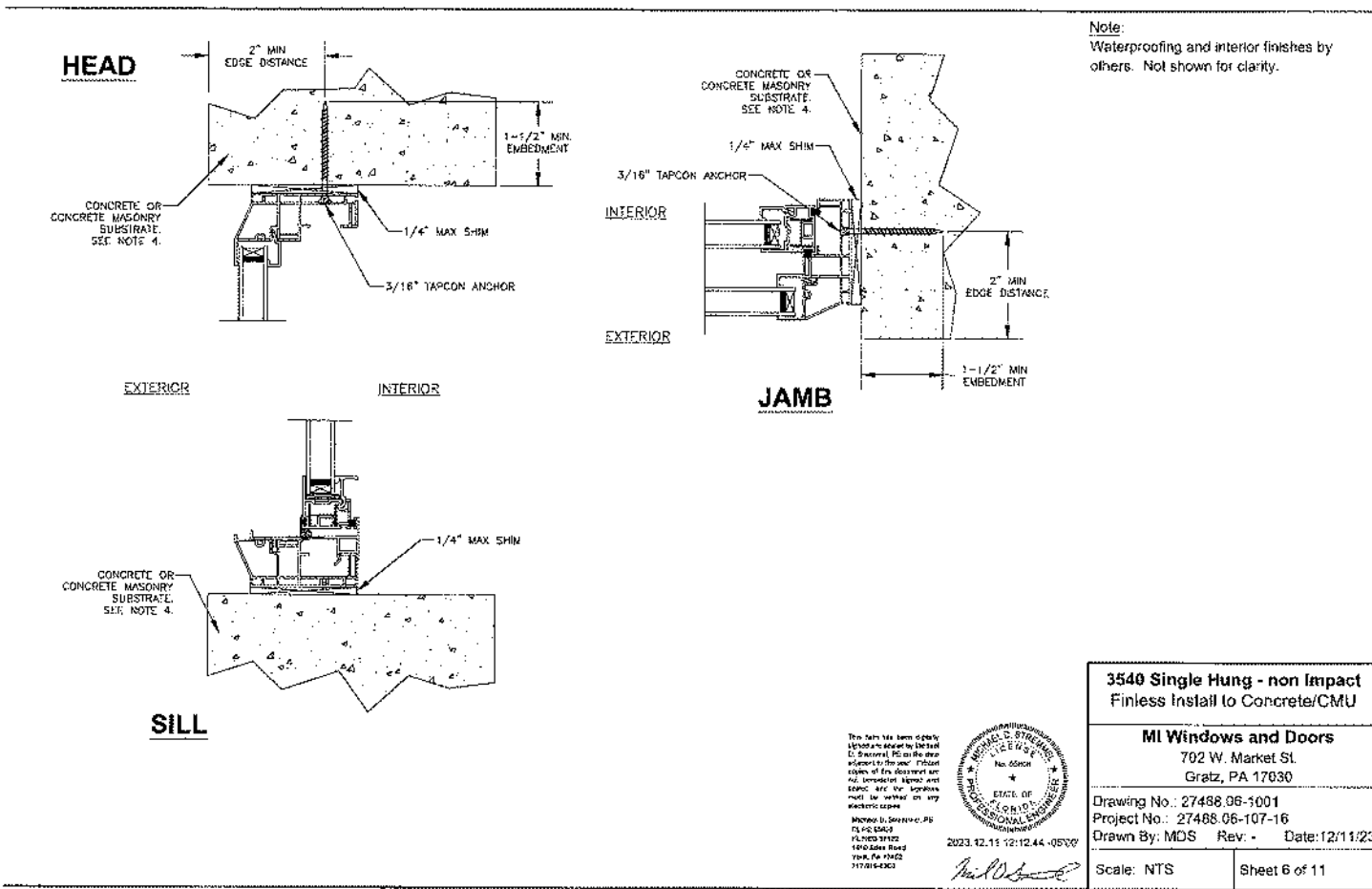
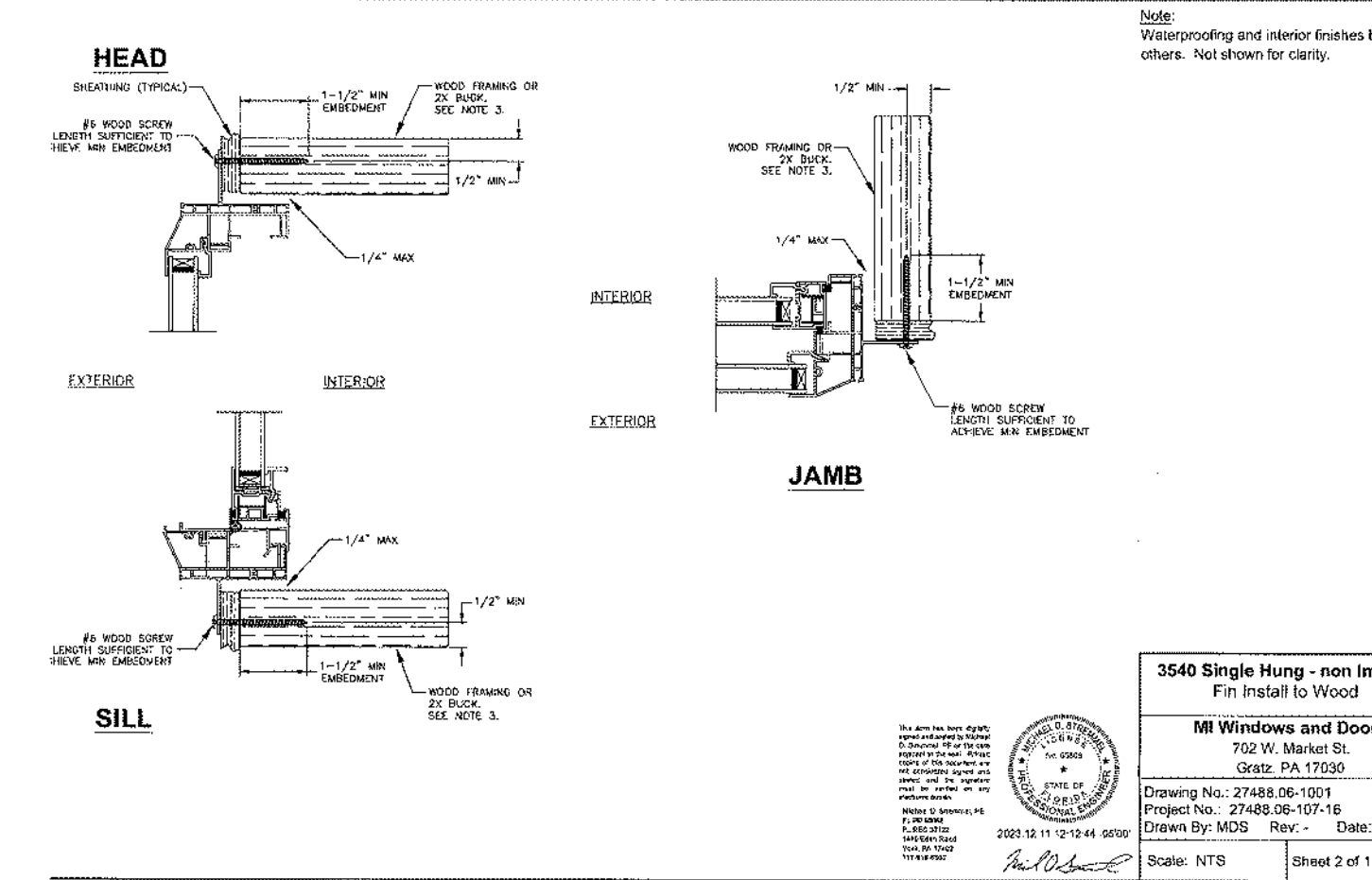
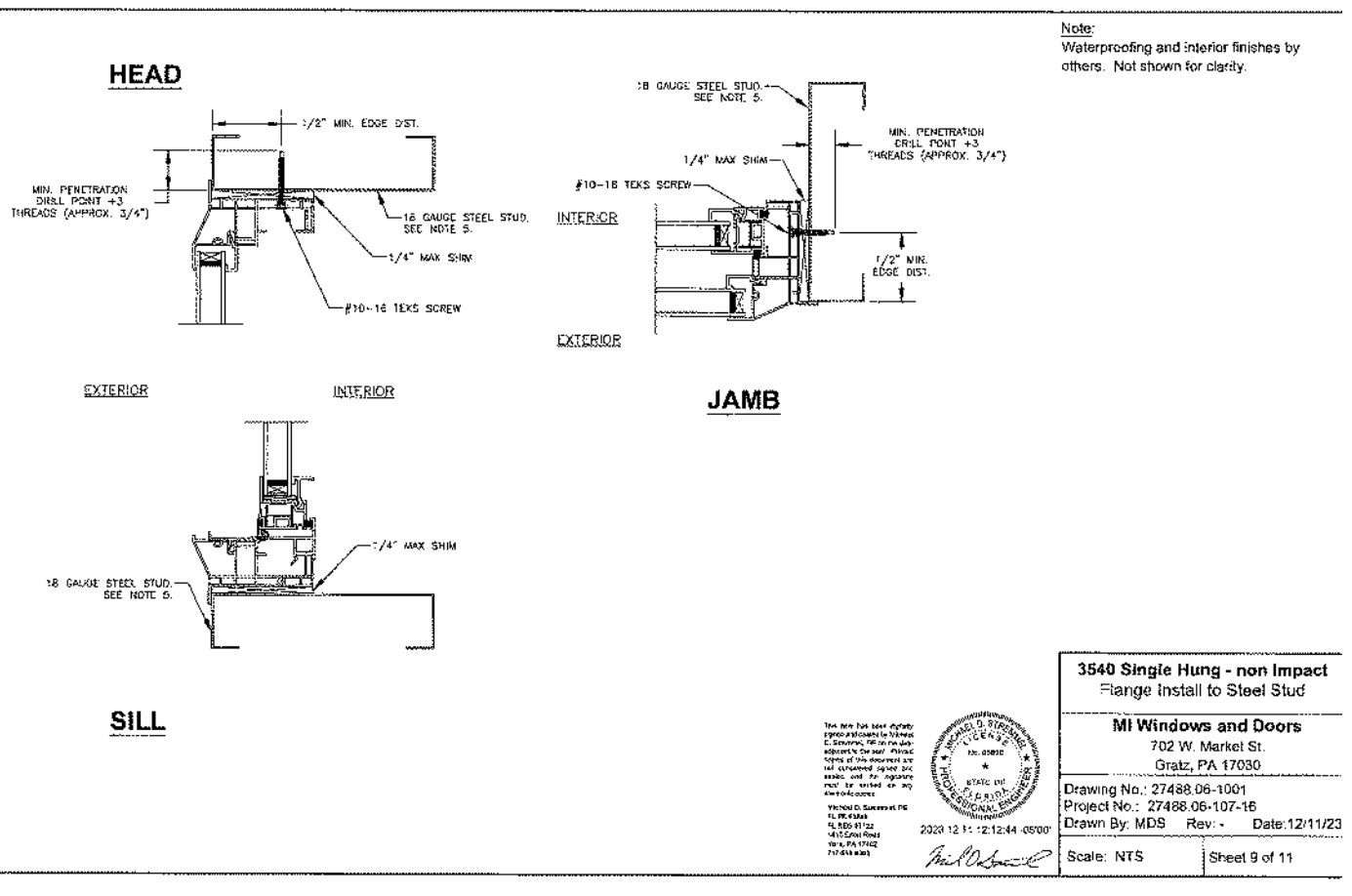
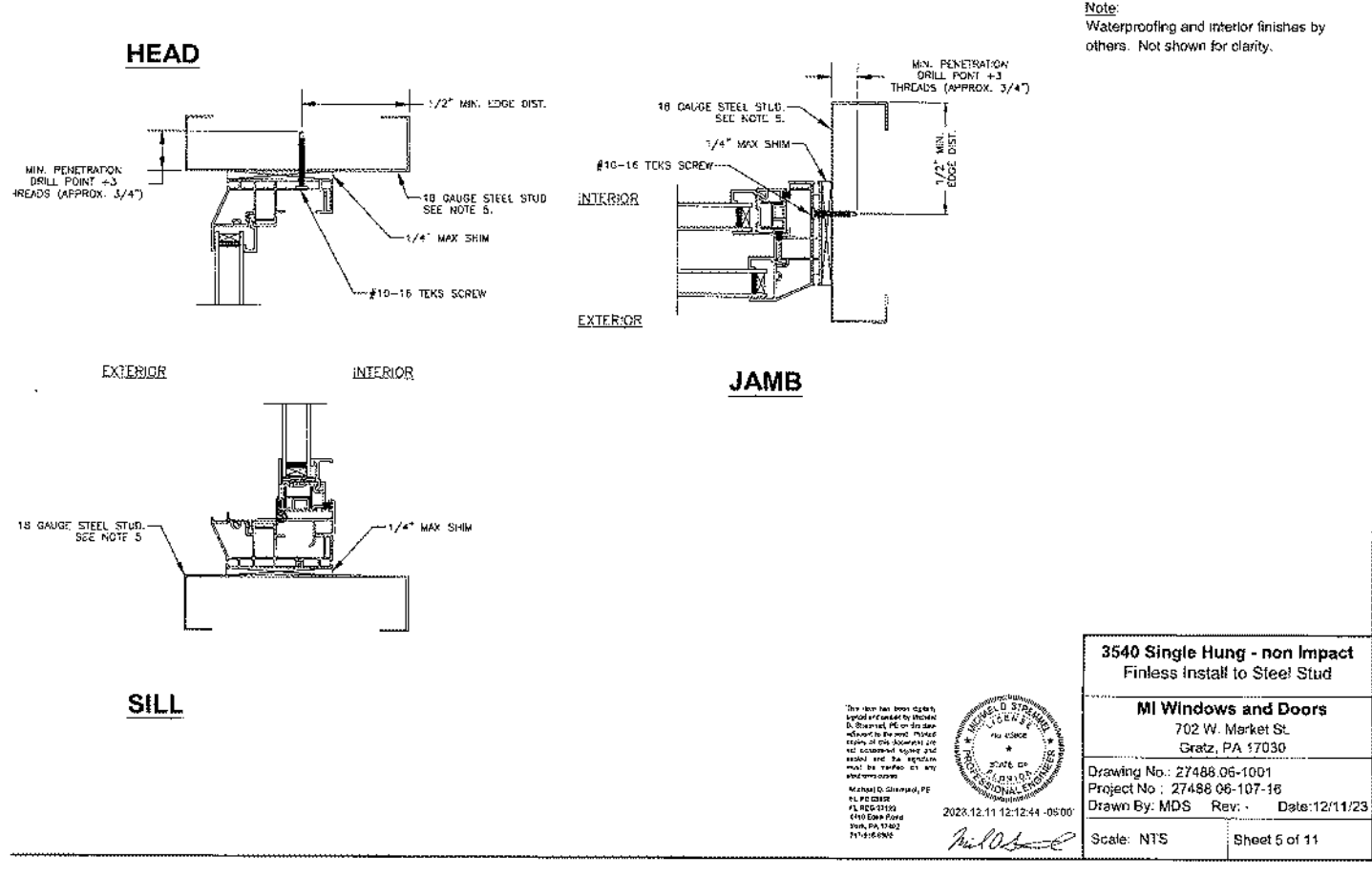
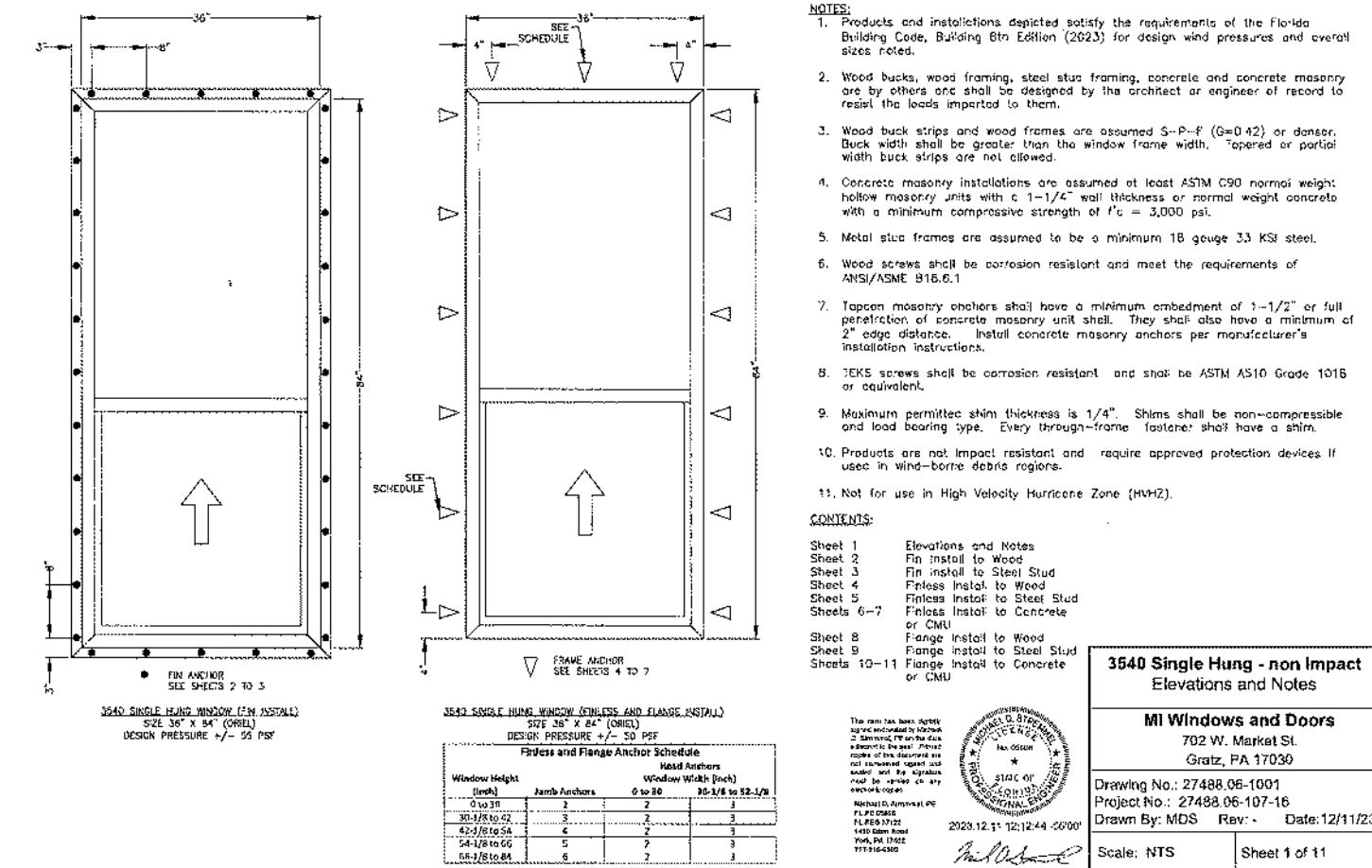
Making Dreams Come True

TOTAL SOLUTIONS GROUP
258 Southhall Lane, Suite 200
Maitland, Florida, 32751
(407) 880 2333

100% Employee Owned
myTSGhome.com

MARONDA Homes
3999 West First Street
Sanford, FL 32771
(407) 902-9871

Community:	Forest Cove	Garage Side:	Left
Plan Name:	Livorno	Elev.:	J
Lot:	6	Block:	
Address:	TBD SW Cadence Glen Lake City, FL 32024		
Job No.	9FC00601	Reference No.	25-00449
Sheet:	SD-1		
DETAILS			



FLORIDA PRODUCT
APPROVAL #41886.16

PRODUCT	REL. DATE
1-1-24	REVISED TO 8TH EDITION CODE 2023
7-1-24	REVISED SHEET
REVISIONS:	

Maronda Homes

4005 MARONDA WAY
SANFORD, FL 32771
(407) 321-0064

FLORIDA
THIS STRUCTURE WAS DESIGNED
IN ACCORDANCE AND MEETS THE
REQUIREMENTS OF SECTION
1303 OF THE FLORIDA BUILDING
CODE 8th EDITION (2023).
RESIDENTIAL ALL CONNECTORS
HAVE BEEN CHECKED TO
WITHSTAND ALL APPLICABLE
LOADS AND DESIGN CRITERIA
STATED ON THE COVER SHEET.

DESIGNED WIND SPEED
V_W = 160 MPH
V_W = 124 MPH

Manufacture
MI Windows

DRAWN BY: GARAGE:
RELEASE DATE: JULY 6, 2015

SHEET:

WIN-V1

FLORIDA PRODUCT APPROVAL FL # 17894.3

VERTICAL CROSS SECTION CONCRETE/MASONRY INSTALLATION

EXTERIOR

INTERIOR

1 1/2" MIN. SEPARATION

1" MIN. EDGE DISTANCE

1 1/4" MIN. EMBEDMENT

1 1/4" MAX. SHIM SPACE

1" MIN. EDGE DISTANCE

3" MIN. SEPARATION

1 1/4" MAX. SHIM SPACE

3/16" TAPCON

3/16" TAPCON

SILL TO BE SET IN A BED OF APPROVED SEALANT

CONCRETE/MASONRY BY OTHERS

1 1/4" MIN. EMBEDMENT

2 7/8" MIN. SEPARATION

3" MIN. EDGE DISTANCE

CONCRETE/MASONRY BY OTHERS

OPTIONAL 1X BUCK TO BE PROPERLY SECURED SEE NOTE 3 SHEET 1

INTERIOR

EXTERIOR

JAMB INSTALLATION DETAIL CONCRETE/MASONRY INSTALLATION

NOTES:

1. FINISHES AND INTERIOR FINISHES, BY OTHERS. NOT SHOWN FOR CLARITY.

2. PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED IN ACCORDANCE WITH ASTM E-912

SIGNED: 05/21/2017

MI WINDOWS AND DOORS LLC
650 WEST MARKET STREET
GRATE, PA 17030

PROJECT: SERIES 430/440 XIX SGD
143" x 96" REINFORCED WITHOUT ADAPTER
FRAME INSTALLATION DETAILS

DATE: 10/30/13 **REV:** 08-02250 **QTY:** 9

BY: NTS **CHKD BY:** NTS **APP'D BY:** NTS

PROJECT: ROBERTO LOMAS P.E.
1432 WOODBURN RD LENOIRVILLE, NC 27023

DATE: 11/06/14 **REV:** 05014

BY: L. Lomas P.E.

[illegible]

INTERIOR

1 5/8" MIN. EDGE DIST.

TRIM

MASONRY/CONCRETE BY OTHERS

HOOK STRIP

1 1/4" MIN. EMBEDMENT

1X BUCK BY OTHERS, 1X BUCK TO BE PROPERLY SECURED

3/16" GASKET

PANEL INTERLOCK

HOOK STRIP INSTALLATION
MASONRY/CONCRETE

EXTERIOR

1/2" MIN. EDGE DISTANCE

TRIM

HOOK STRIP

#10 WOOD SCREW

PANEL INTERLOCK

HOOK STRIP INSTALLATION
2X BUCK WOOD FRAMING

INTERIOR

1/2" MIN. EDGE DISTANCE

TRIM

HOOK STRIP

1 3/8" MIN. EMBEDMENT

#10 SELF DRILLING SCREW

PANEL INTERLOCK

HOOK STRIP INSTALLATION
METAL STRUCTURE

EXTERIOR

1/2" MIN. EDGE DISTANCE

TRIM

HOOK STRIP

#10 SELF DRILLING SCREW

PANEL INTERLOCK

HOOK STRIP INSTALLATION
METAL STRUCTURE

NOTES:

1. INTERIOR AND EXTERIOR FINISHES, BY OTHERS, NOT SHOWN FOR CLARITY.
2. PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED IN ACCORDANCE WITH ASTM E712.

MI WINDOWS AND DOORS LLC 650 WEST MARKET STREET GAITHERSBURG, PA 17530 SERIES 430/440 XIX SGD 143" x 96" REINFORCED WITHOUT ADAPTER HOOK INSTALLATION DETAILS			
DRAWN Y.L.	DWG NO. 08-02250	REV 0	DATE 10/30/13
SCALE NTS			
L. ROBERTO LOMAS P.E. 140 WOODPOPE ROAD LENOIRVILLE, TN 37553 604-485-0881 - 604-485-0882@robertolomas.com			

SIGNED: 06/21/2017

STATE OF TENNESSEE
 PROFESSIONAL ENGINEER
 License No. 48514
 Mechanical

Luís R. Lomas P.E.
 FL No.: 62514

FLORIDA PRODUCT APPROVAL FL #17894.4

WIN-V2

