

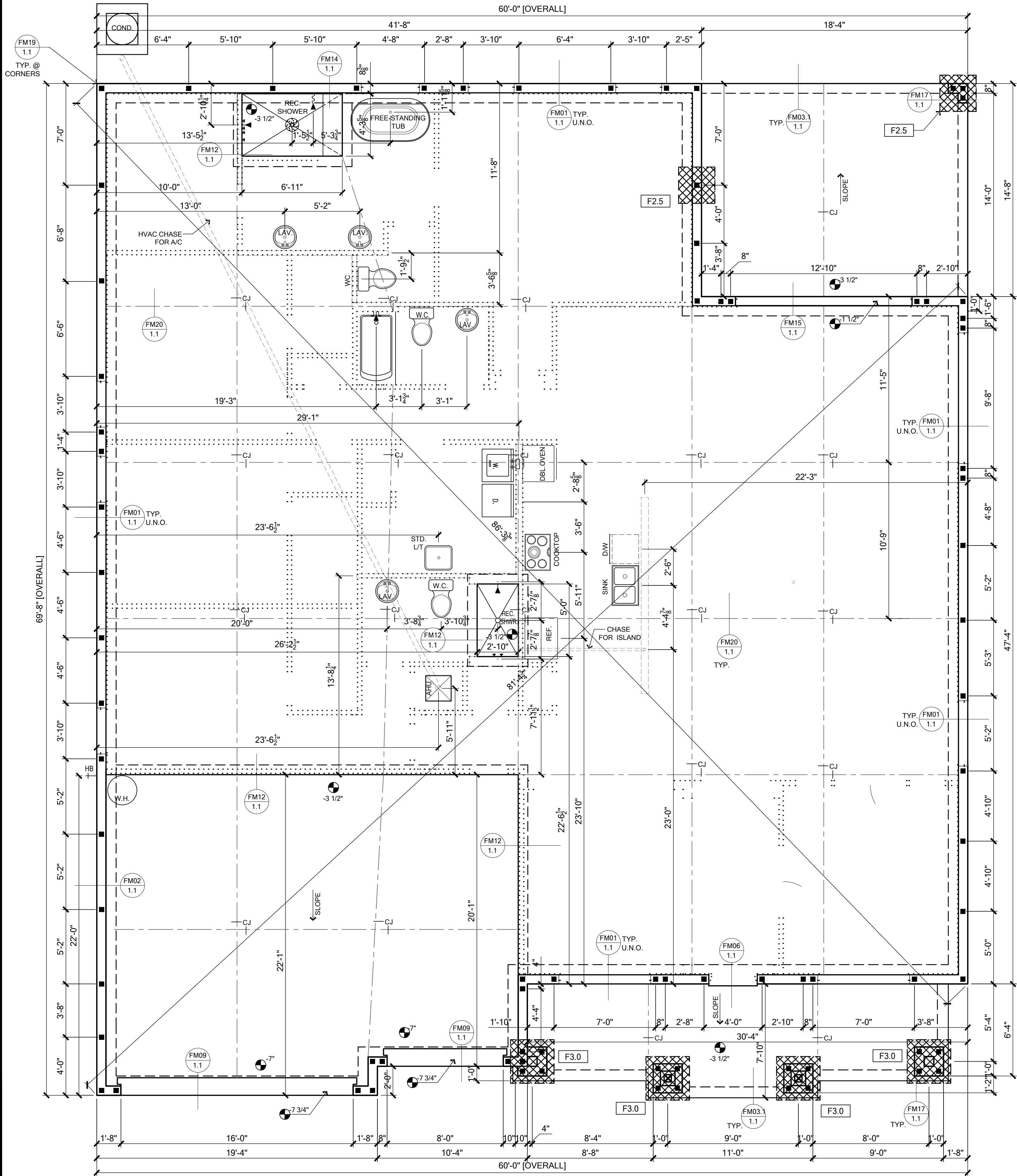
MARONDA

Homes

SIENNA

ELEVATION-A

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 LT Laundry Tub Elec. Electrical Elev. Elevation EQ Equal EW 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 FL 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 Ftr. ILO In Lieu Of Insul. Insulation Int. Interior KWall Kneewall KS Knee Space Laun. Laundry Lav. Lavatory LF Linear Fl. 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 Parallam 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 RS Rod and Shelf SC Solid Core SD Smoke Detector SGD Sliding Glass Door Sh. Shelves SHT Sheet Shwr. Shower S.C. Side Lights SPCOS 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 Thickn. 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 Shower Valves 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.i.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 class 1 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. • Structural(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). Control of Construction Site: The Designer/Architect and engineer of record (EOR) have no control over the construction site and shall not be responsible in any manner for control of the construction site including, but not limited to, scheduling and sequencing of work, jobsite safety, and ventilation of the building and thereby shall not be responsible for the indoor air quality, or the effects thereof, for any reason whatsoever. The Designer/Architect and EOR has no duty to protect, without limitation, the residence, construction site, materials, or equipment, from moisture, mold, fungus, fire, theft, vandalism, trespass, or any other peril or condition, at any time, expressly including, but not limited to, the period of time before construction, during the construction of the project, or after construction and the Designer/Architect and EOR has no duty to take any action or preventive measures to protect such property against any such peril at any time for any reason. 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.							
			NOTICE TO BUILDER & ALL SUB-CONTRACTORS											
			It is the intent of Designer/Engineer listed in the title block 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 Designer/Engineer are not responsible for any plan errors, omissions, or misinterpretations undetected and not reported to the Designer / 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 Office at (407) 880-2333 immediately. No backcharges will be considered for reimbursement by the Designer/Engineer without advanced notification and approval by the Designer/Engineer. Payments will be made in accordance to the terms of the agreement.											



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

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 AS 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."

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.

NOTE:
FM03.1 IS TO BE USED IF
OPT. SCREENED PORCH /
LANAI IS SELECTED

FOUNDATION SCHEDULE				
MARK	SIZE	DEPTH	REINFORCING	GRAVITY CAP. [lbs]
F2.0	2'-0" x 2'-0"	1'-0"	3 #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
F3.5	3'-6" x 3'-6"	1'-0"	4 #5 E.W. BOT.	21500
F4.0	4'-0" x 4'-0"	1'-0"	5 #5 E.W. BOT.	28000

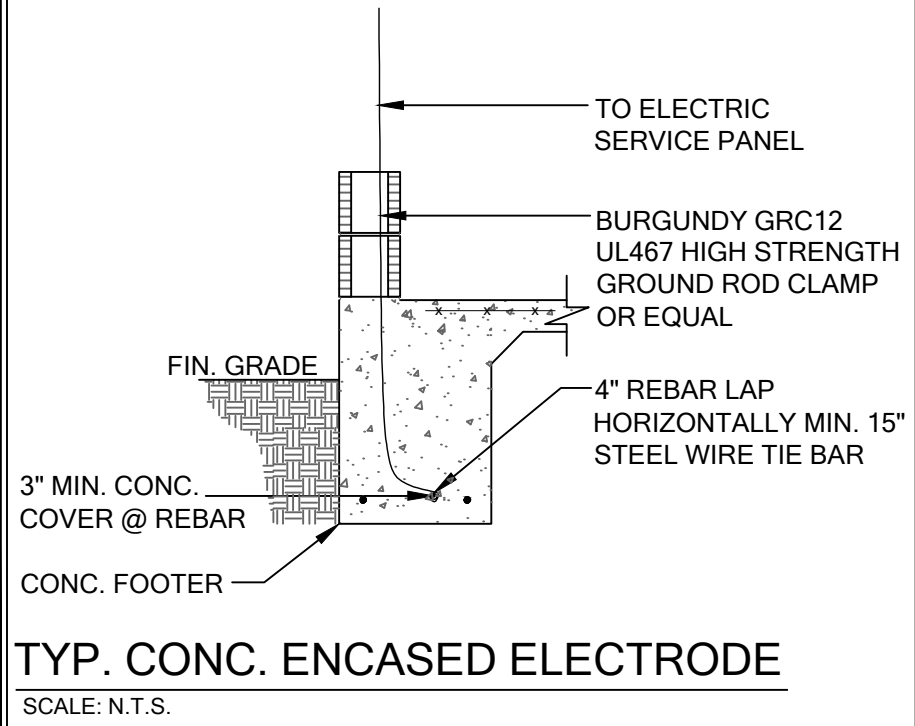
FOUNDATION DEPTH NOTE:

- 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
 - INDICATES FILLED CELL W/3000 PSI CONC. FROM FOUNDATION TO BEAM W/ (1) #5 REBAR, GRADE 60 U.N.O. TYPICAL ABOVE SLAB. HOOKED FTG. DOWELS 5" EMBEDMENT W/ 25" EXTENSION ABOVE SLAB. FILLED CELLS TO BE PLACED @ EACH CORNER, END OF INDICATED BRG. WALLS, EACH SIDE OF ALL OPENINGS, UNDER GIRDER TRUSSES (FLOOR AND ROOF) AND SEE PLAN FOR SPACING.
 - 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 REINFORCED 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.
 - 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.
 - SEE TYPICAL DETAIL ON LINTEL PLAN FOR REQUIRED STEEL BENDS AND LAP SPLICE.
 - 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: 2000 PSF (SEE SOILS REPORT AND SPECIFICATIONS 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 95% OF MAX. DRY DENSITY AS DETERMINED BY ASTM - 1557 (MODIFIED PROCTOR). THE FOUNDATION SIZES INDICATED ON THE FOUNDATION PLAN HAS BEEN DESIGNED FOR A MINIMUM SOIL BEARING CAPACITY OF 2000 PSF.

FOUNDATION LEGEND	
	- INDICATES SINGLE-STORY WALL FOUNDATION
	- INDICATES TWO-STORY WALL FOUNDATION
	- INDICATES CONCRETE PAD FOUNDATION
	- INDICATES FILLED CELL WITH (GRADE 60) REBAR

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



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05/07/2025

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

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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:	Sienna	Elev - A	
Lot:	8	Block:	
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Ref No.	25-04307	Address:	
Sheet:		Address:	

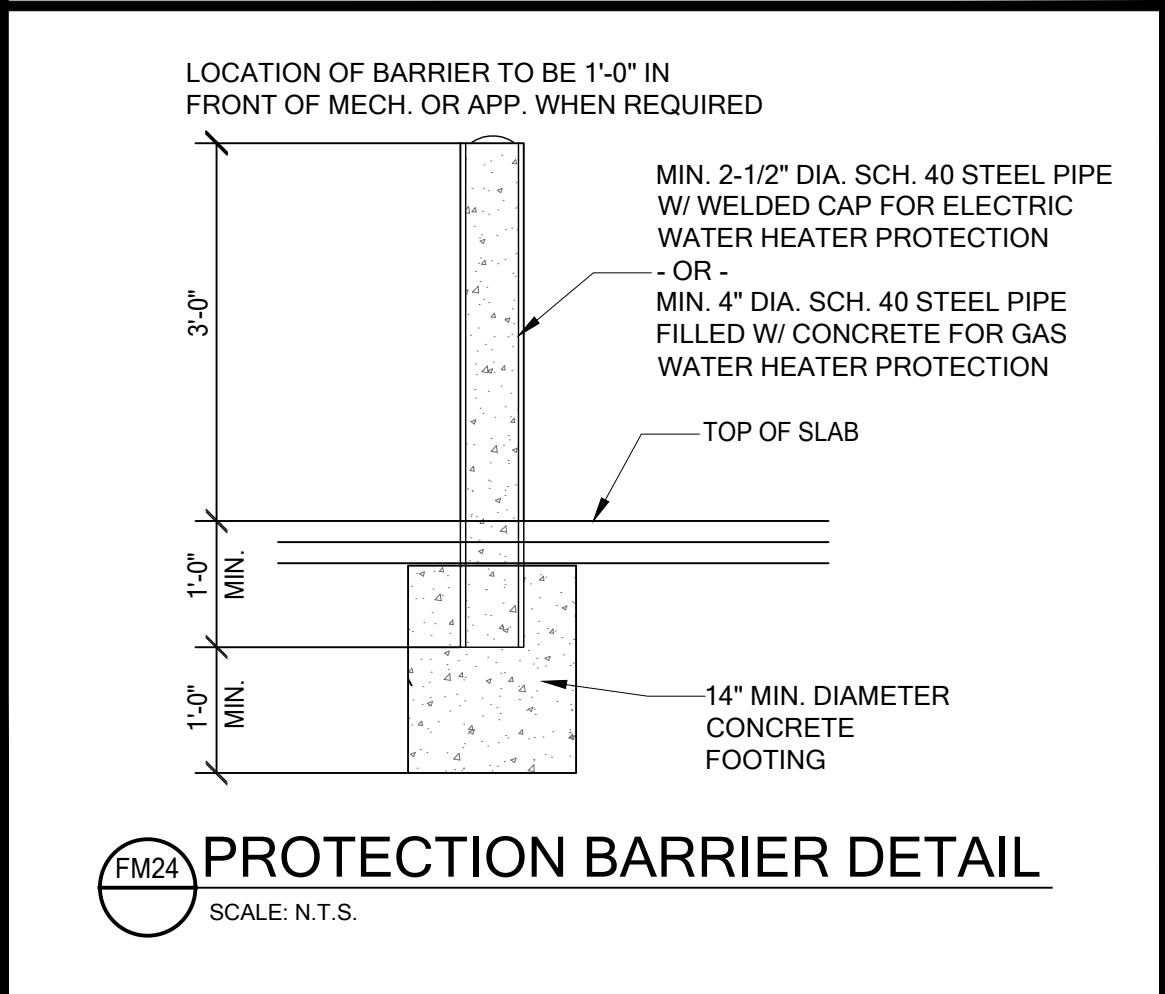
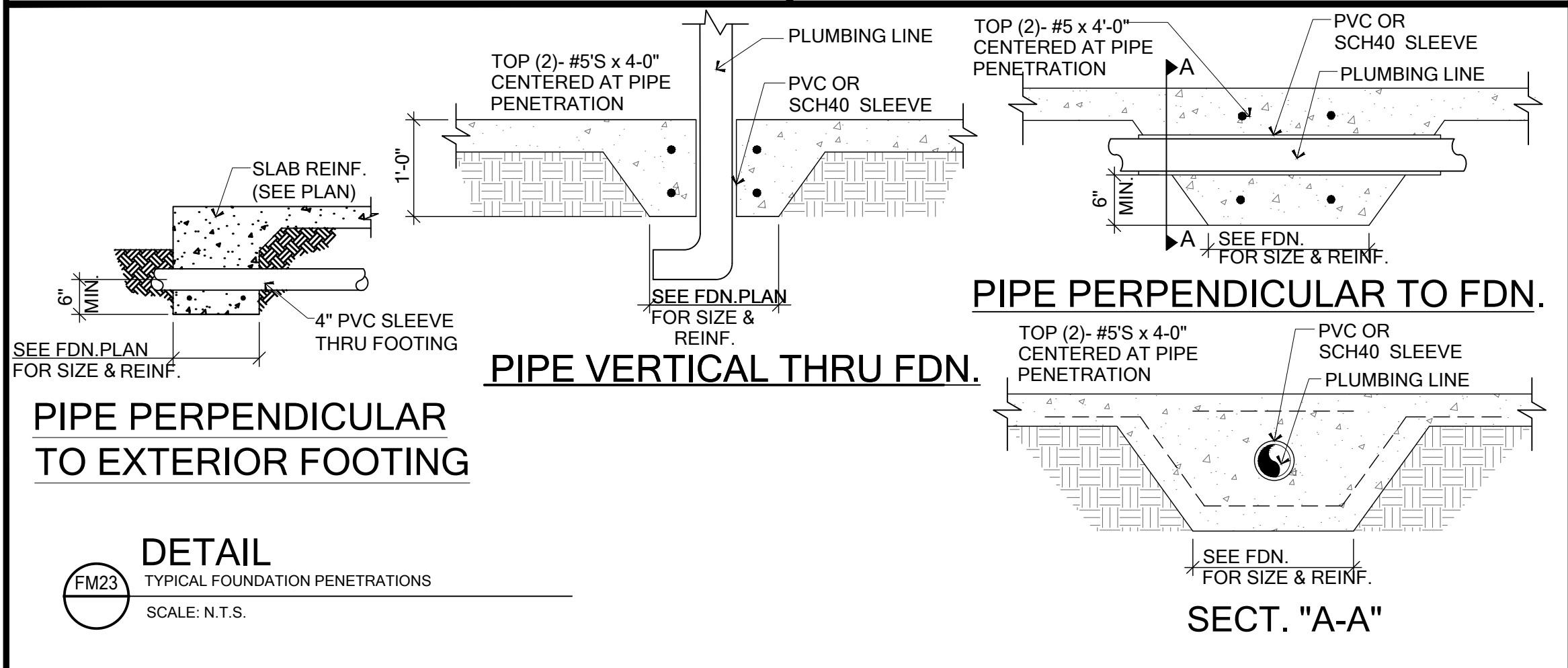
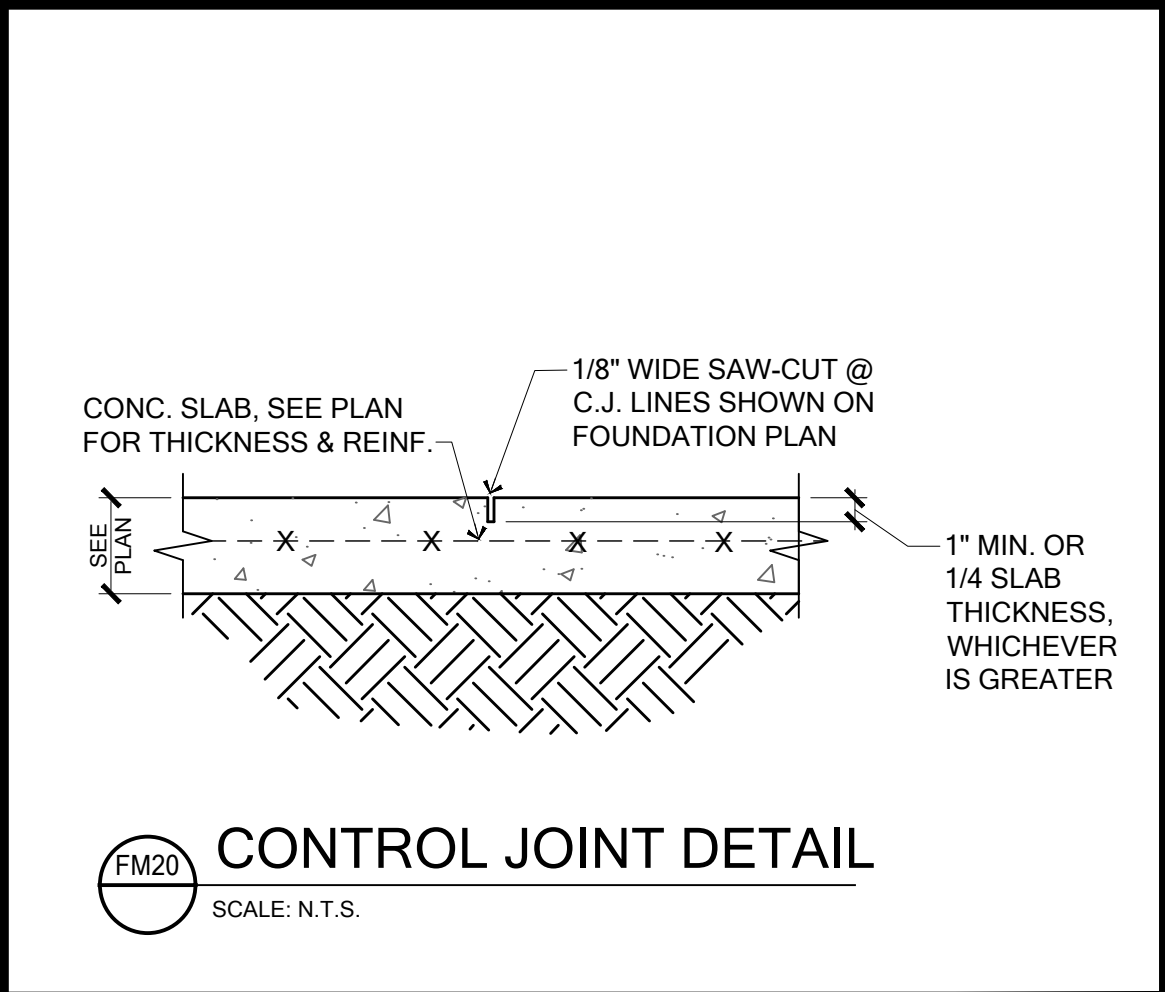
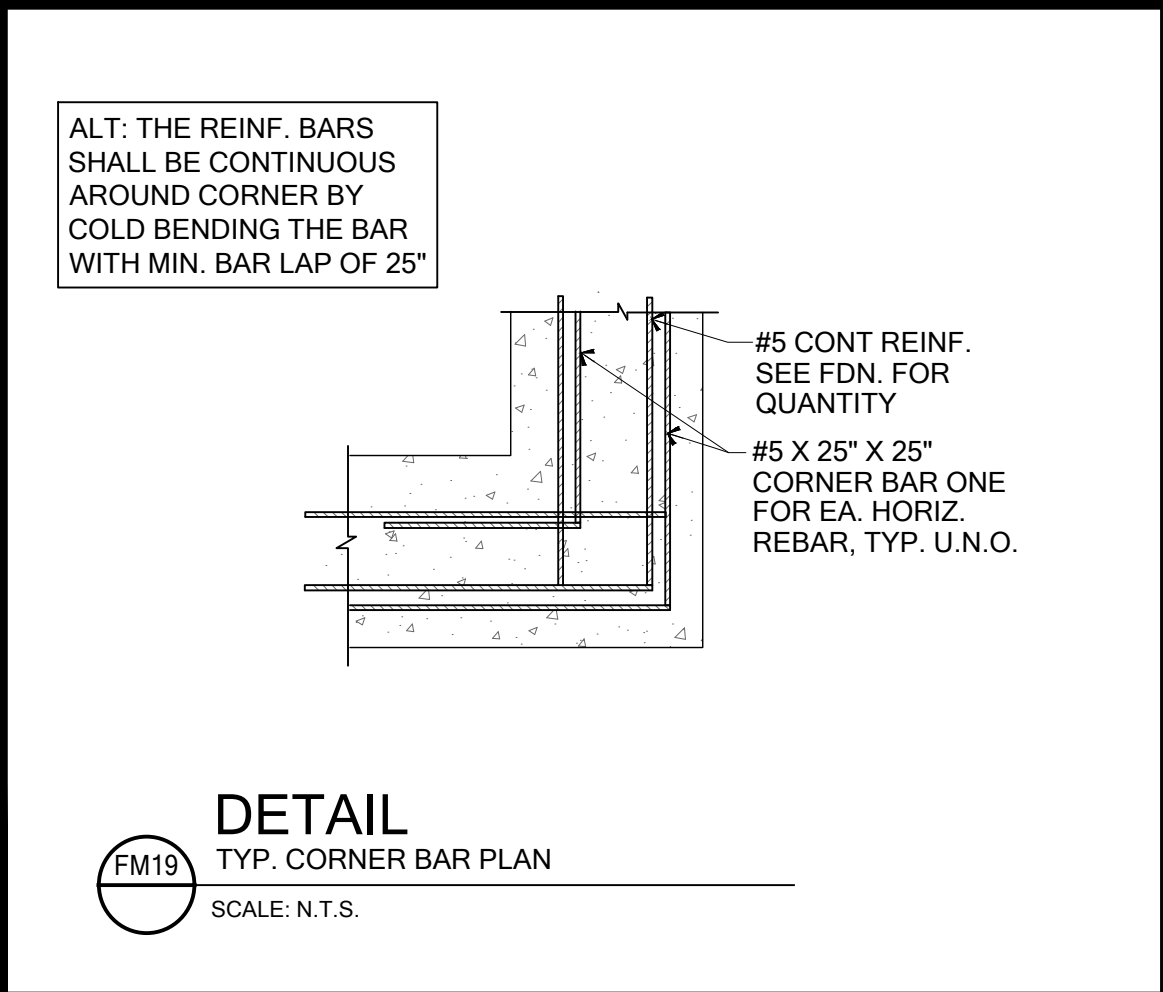
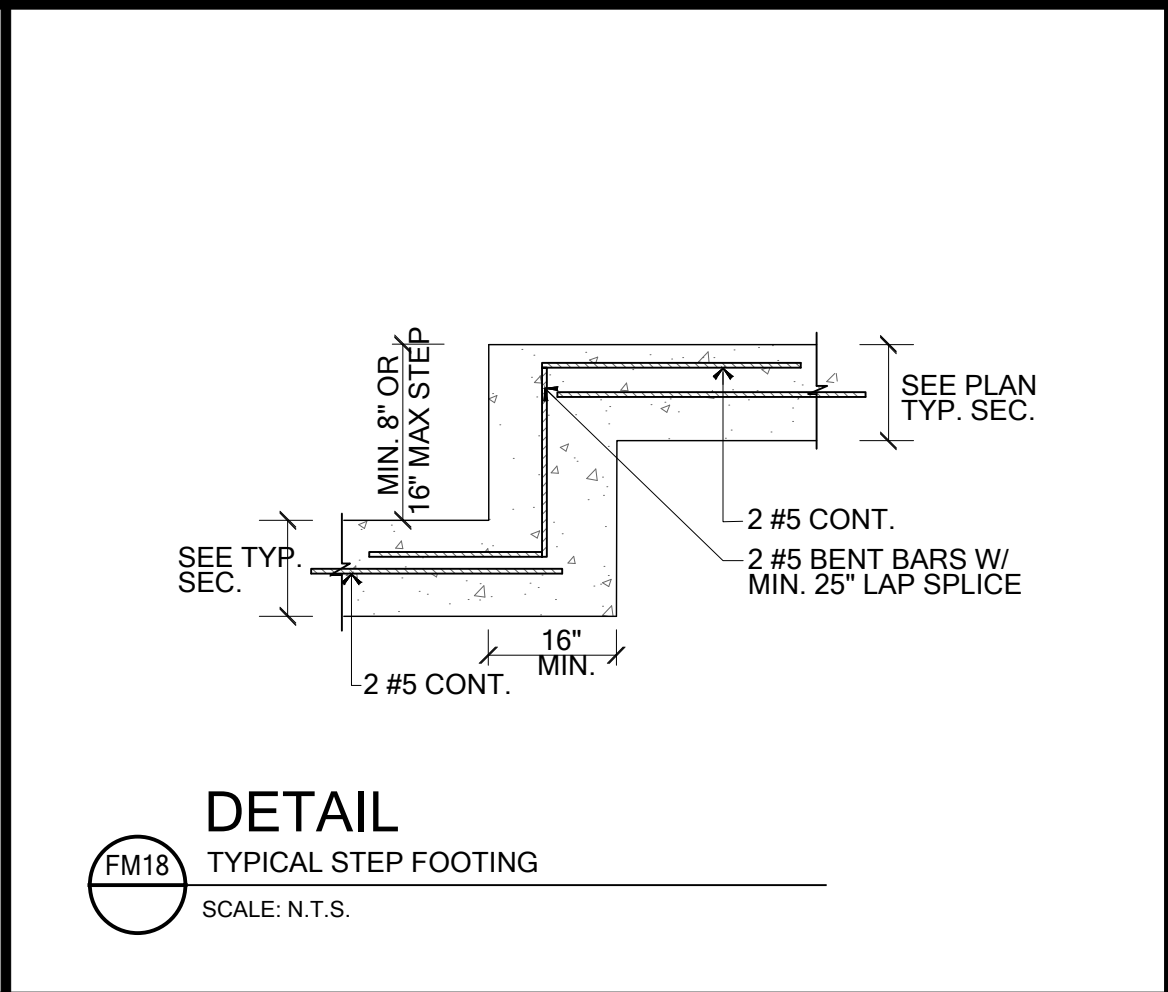
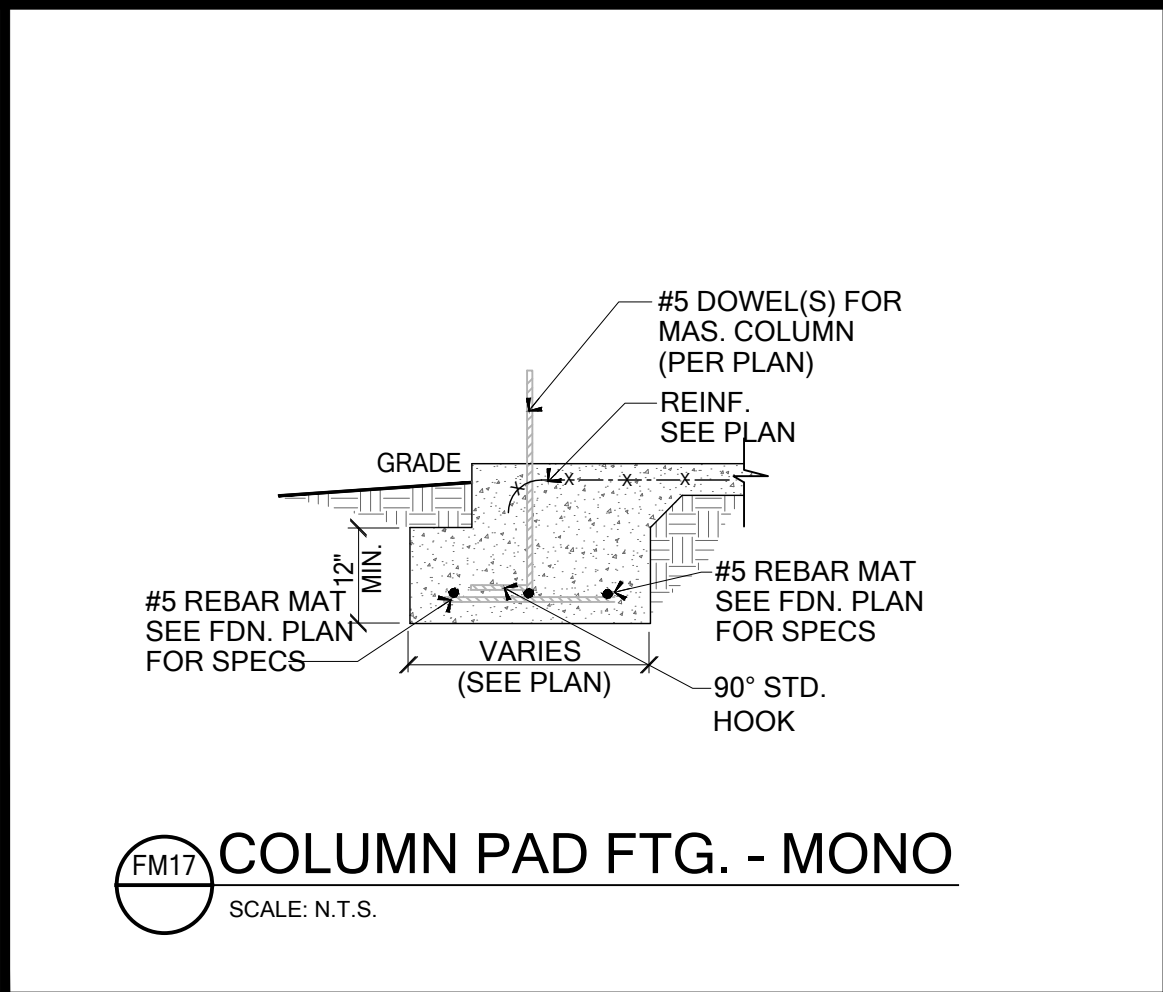
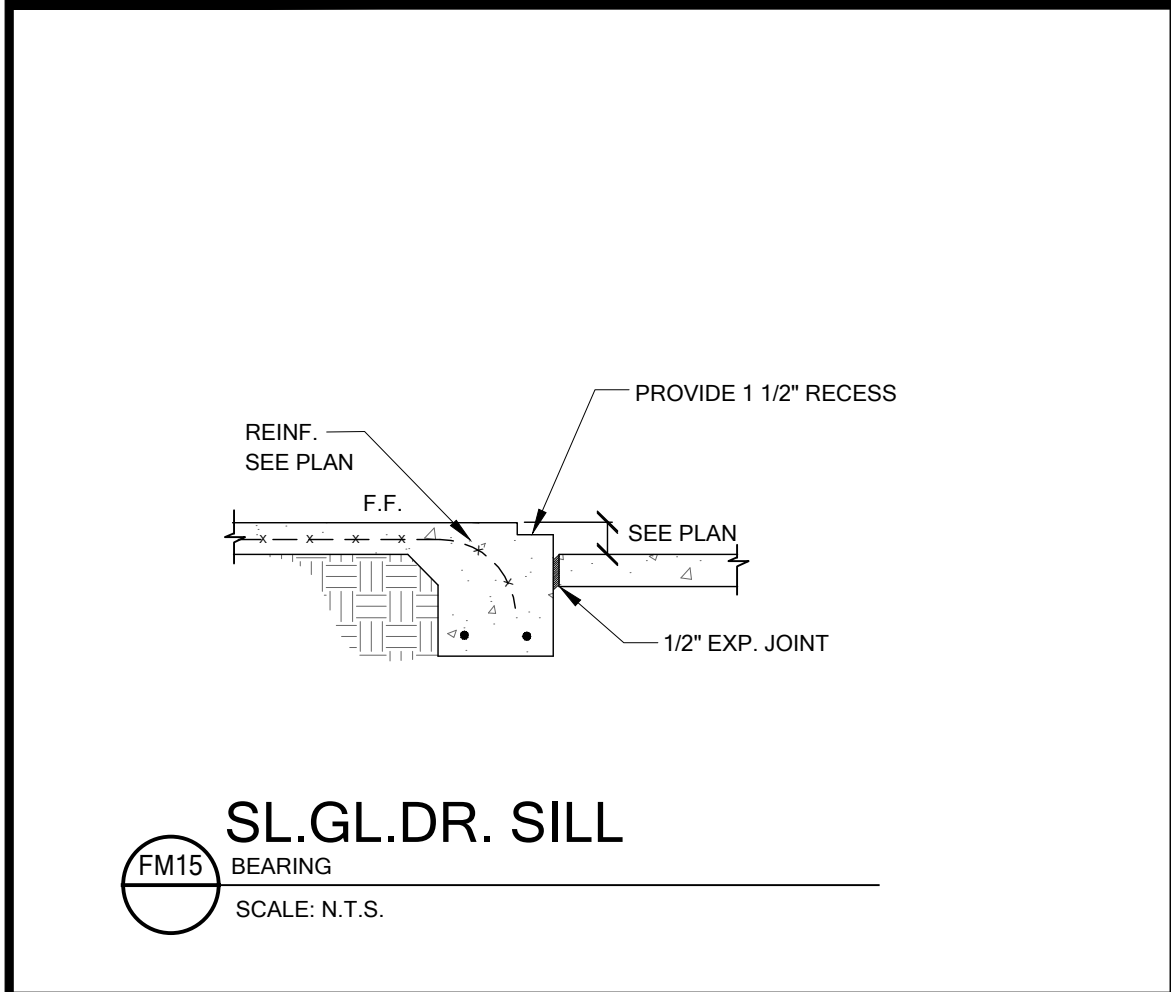
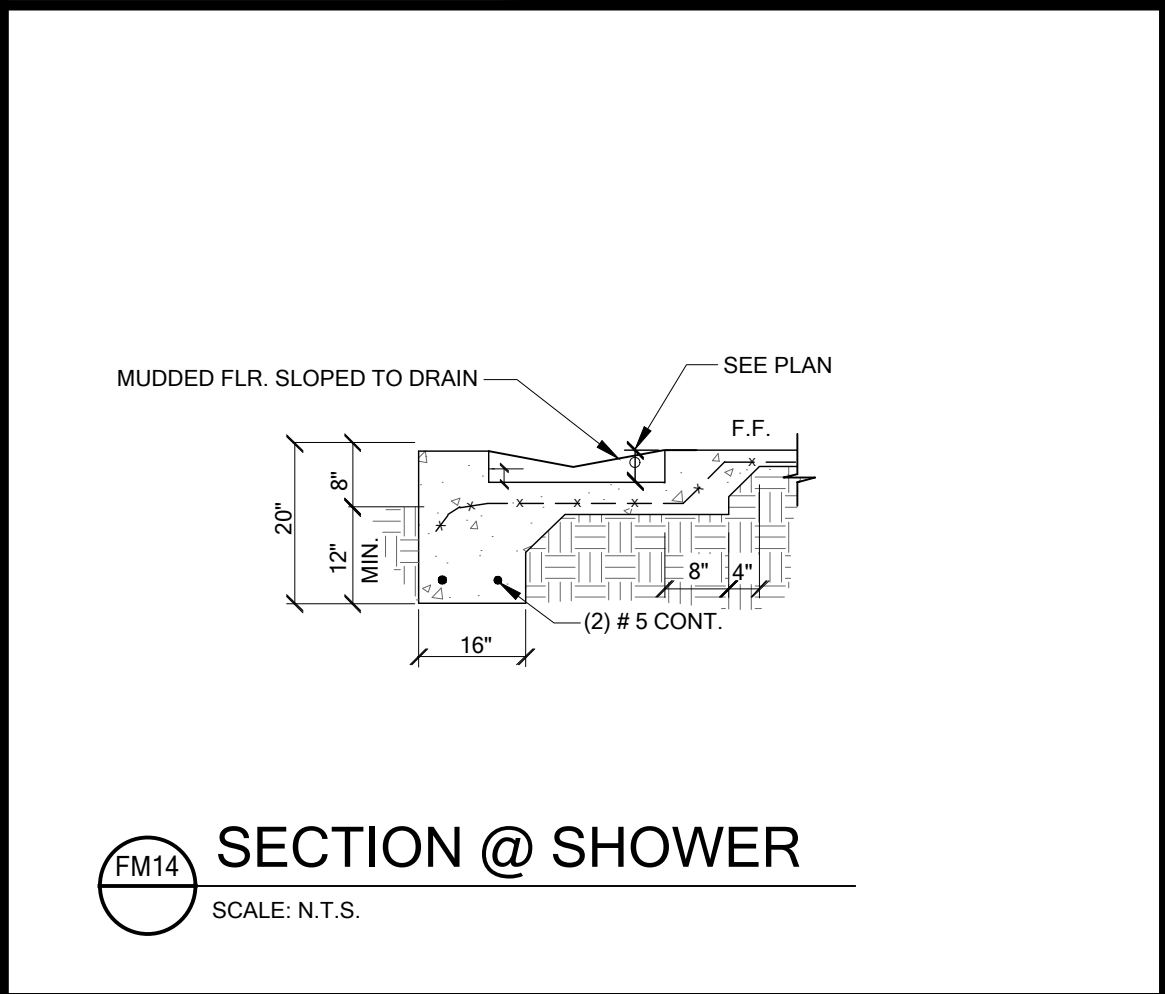
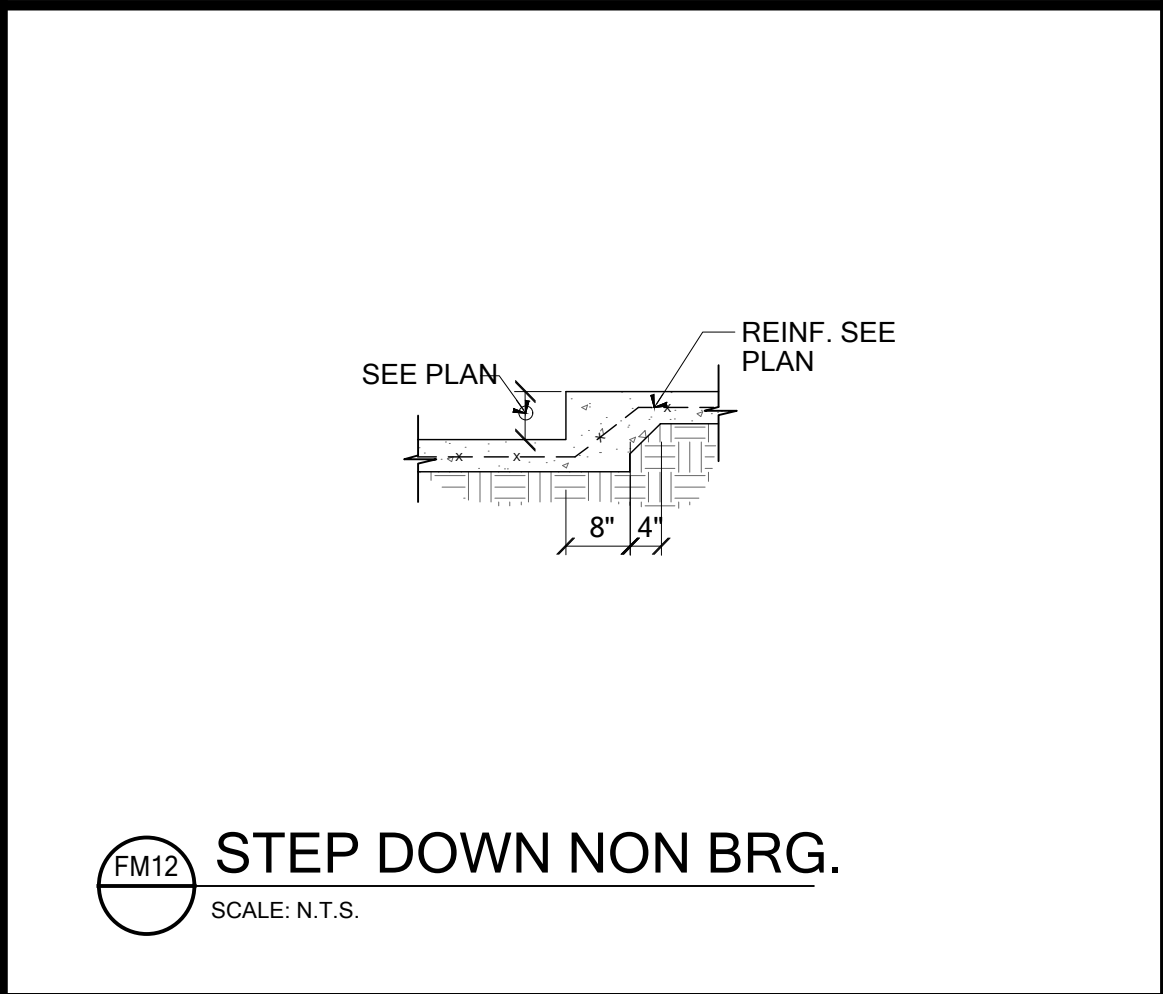
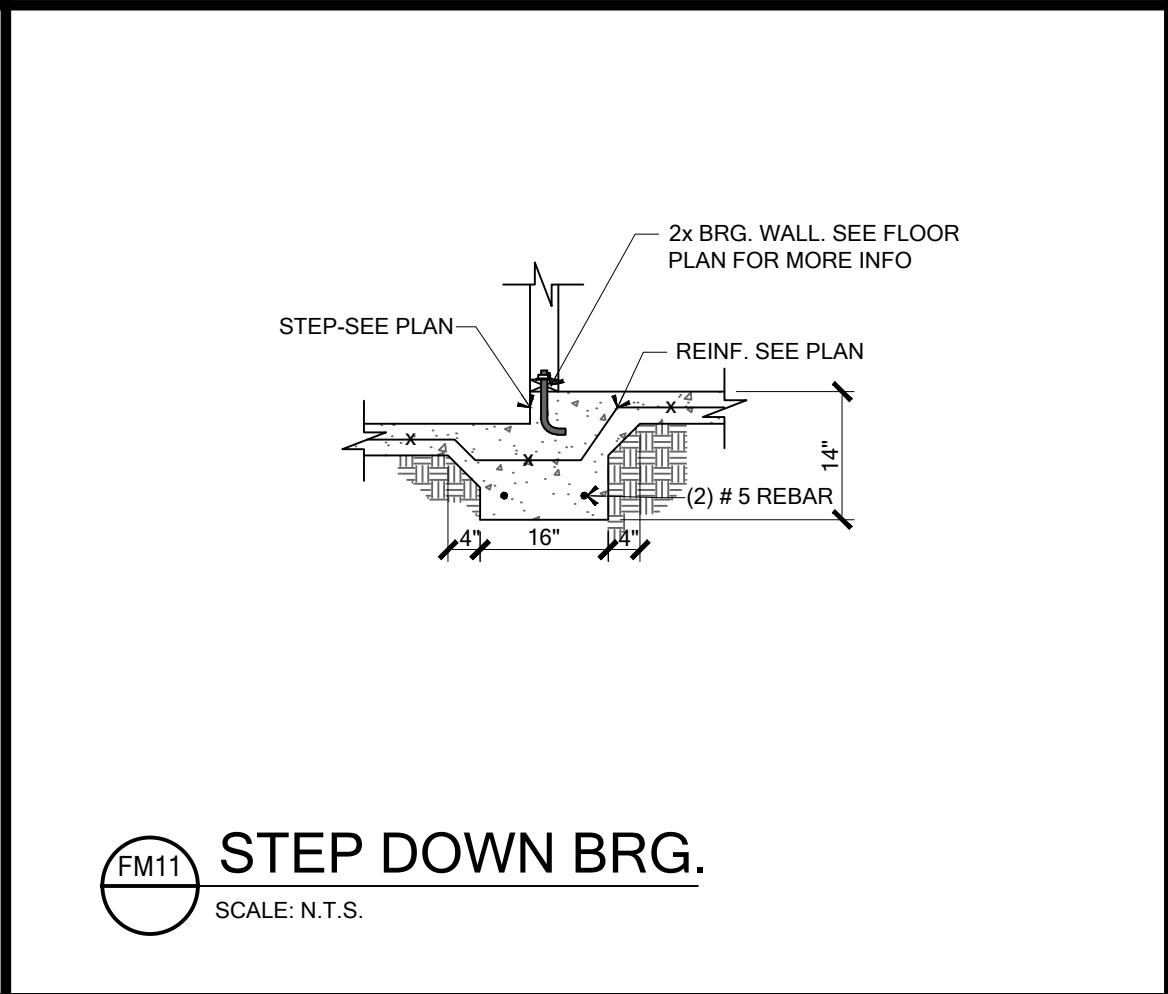
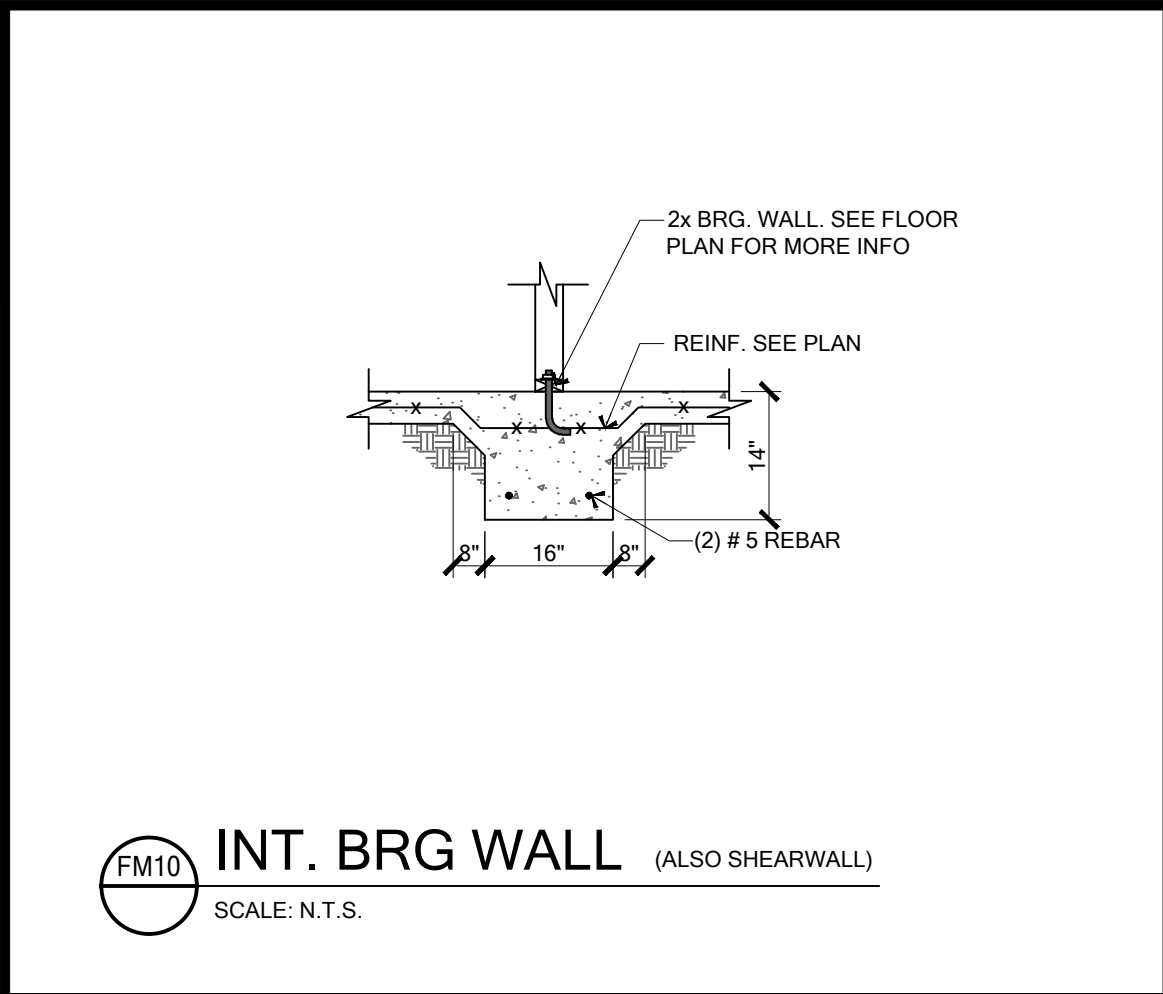
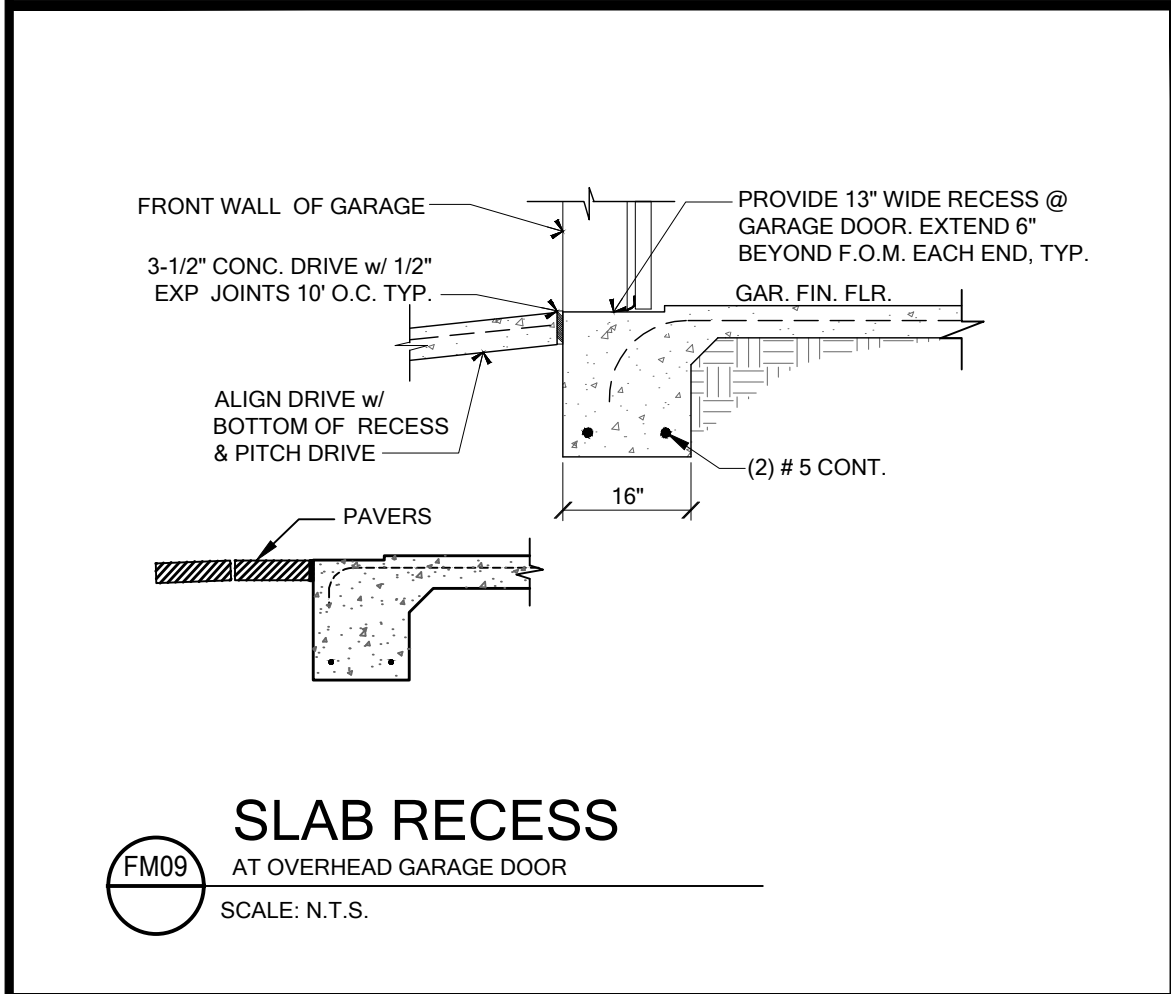
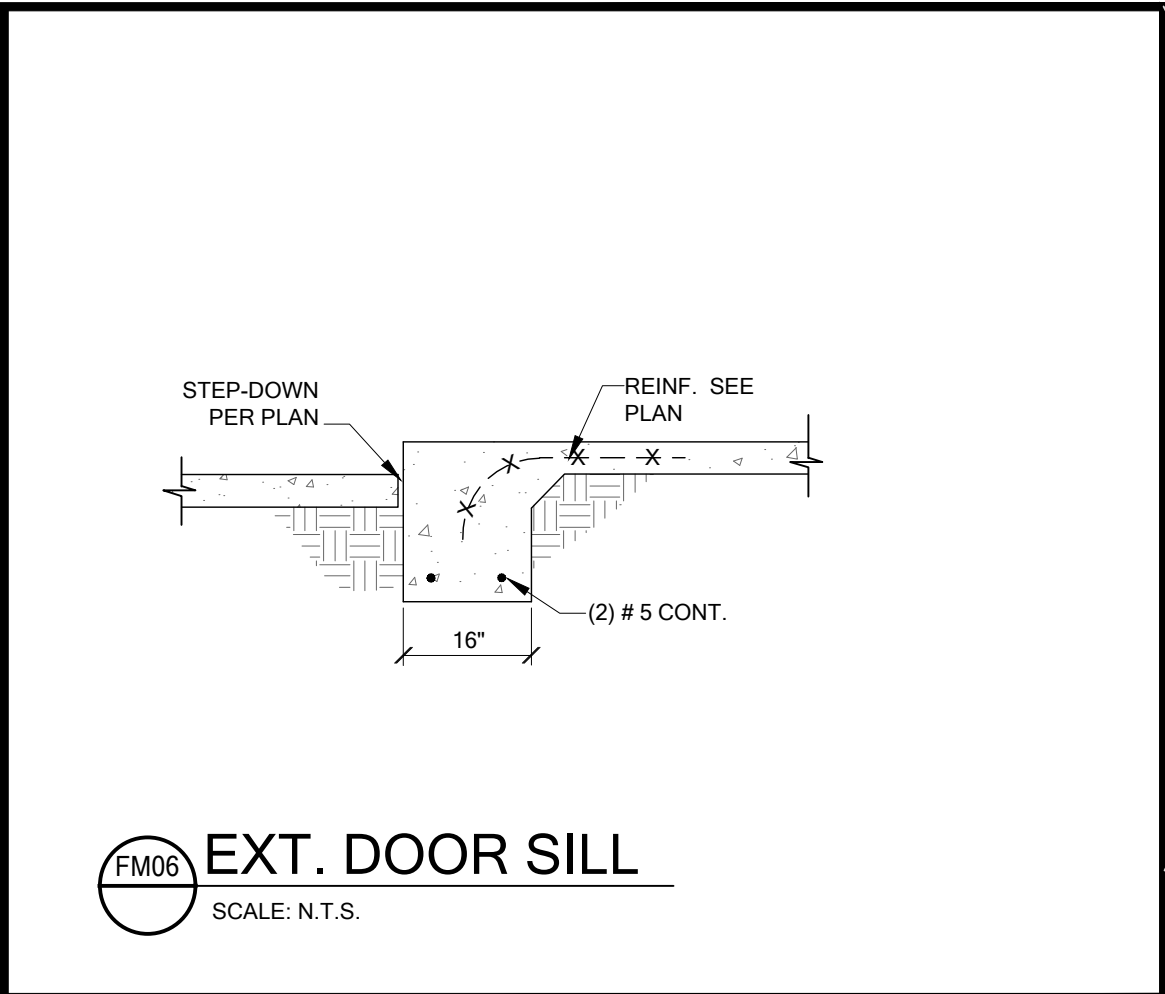
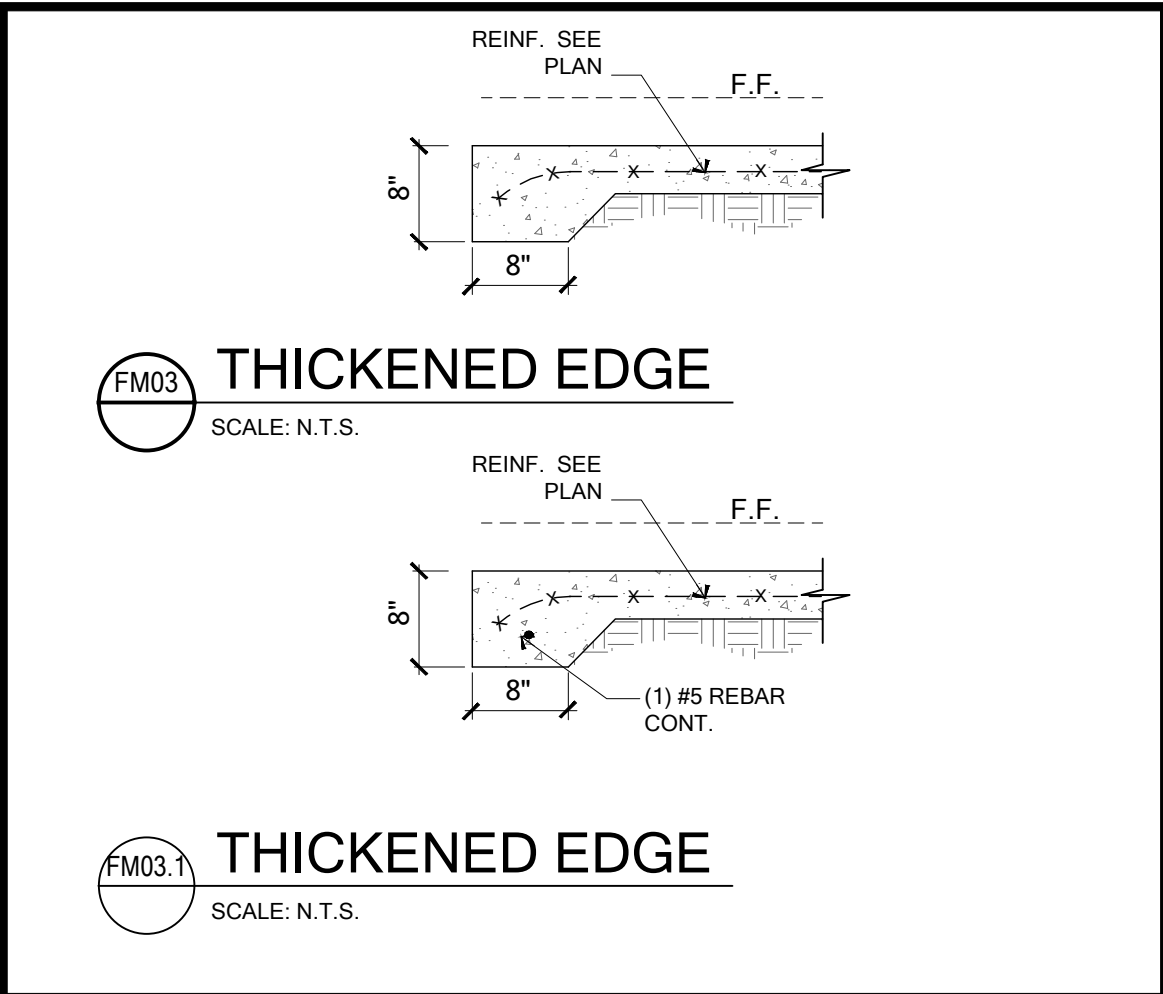
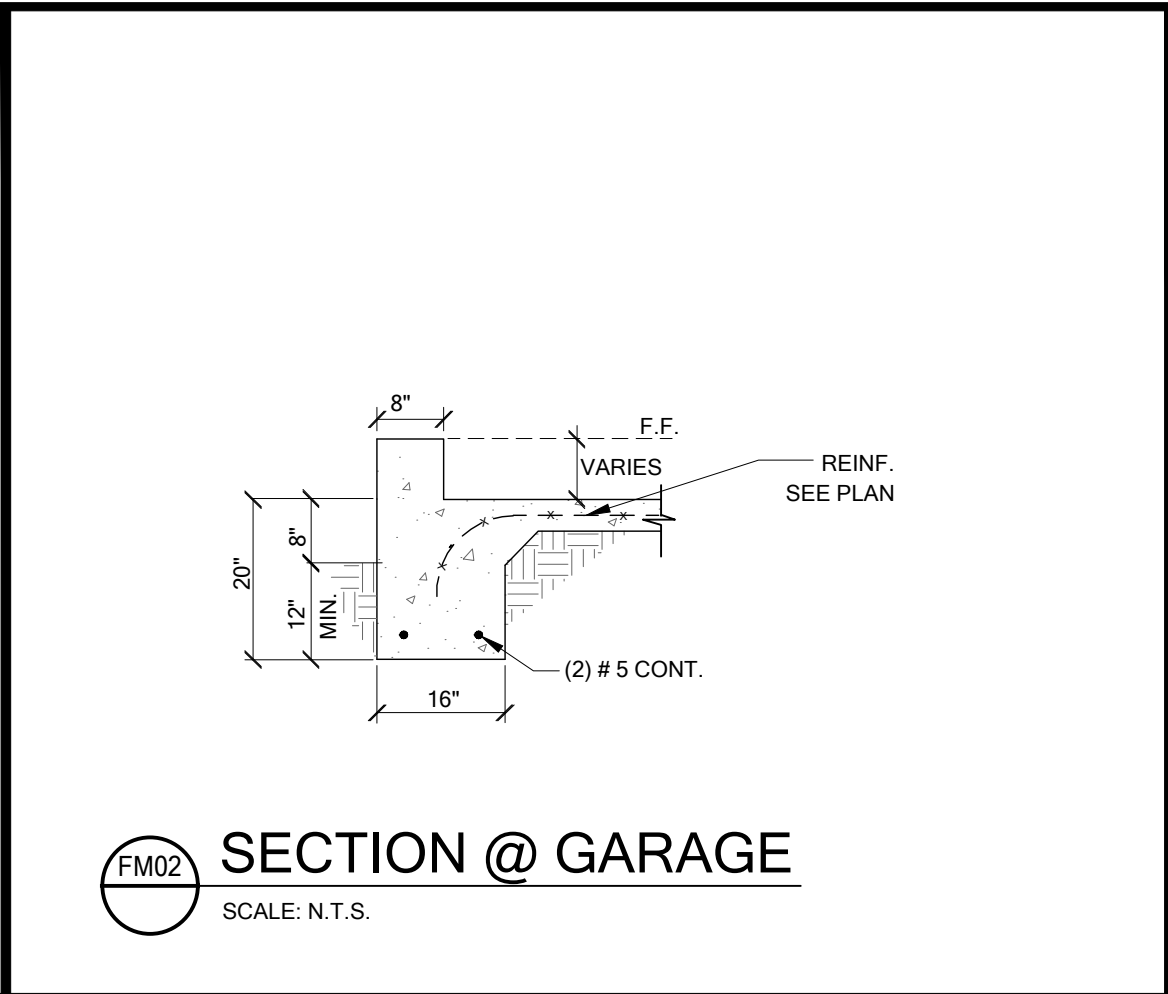
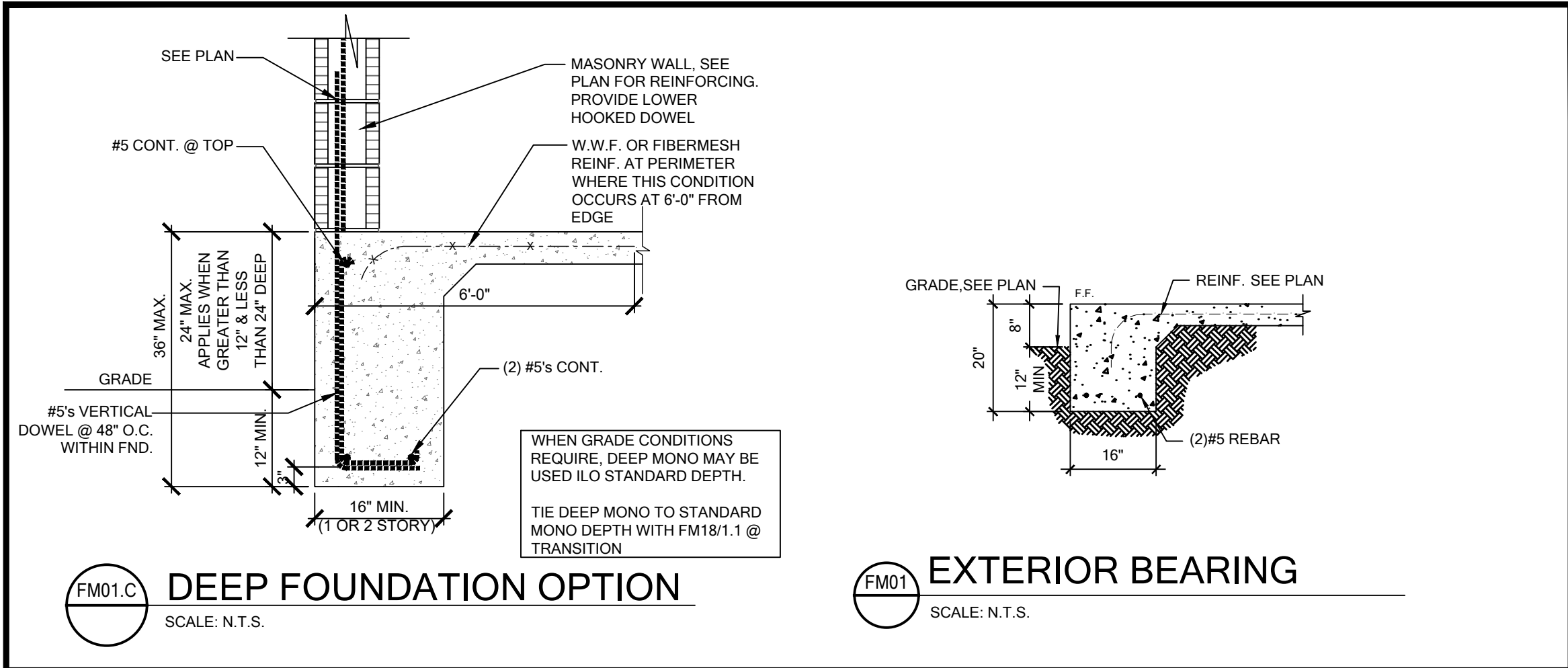
Reference No. 25-04307

Sheet:

1.0

FOUNDATION

9FC00801 Renaissance Series



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CA No. 9161AA26003115

TS

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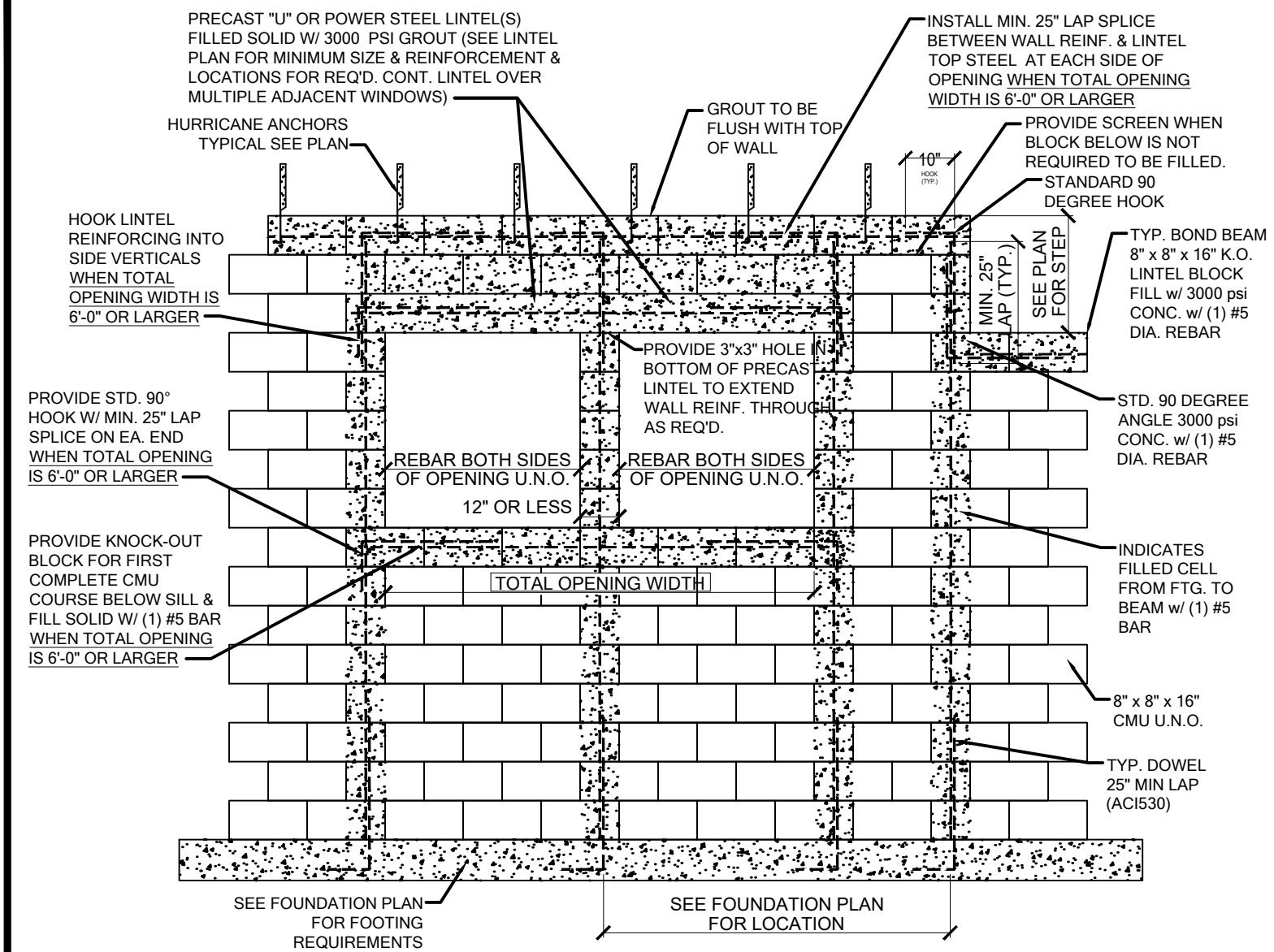
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MARONDA Homes

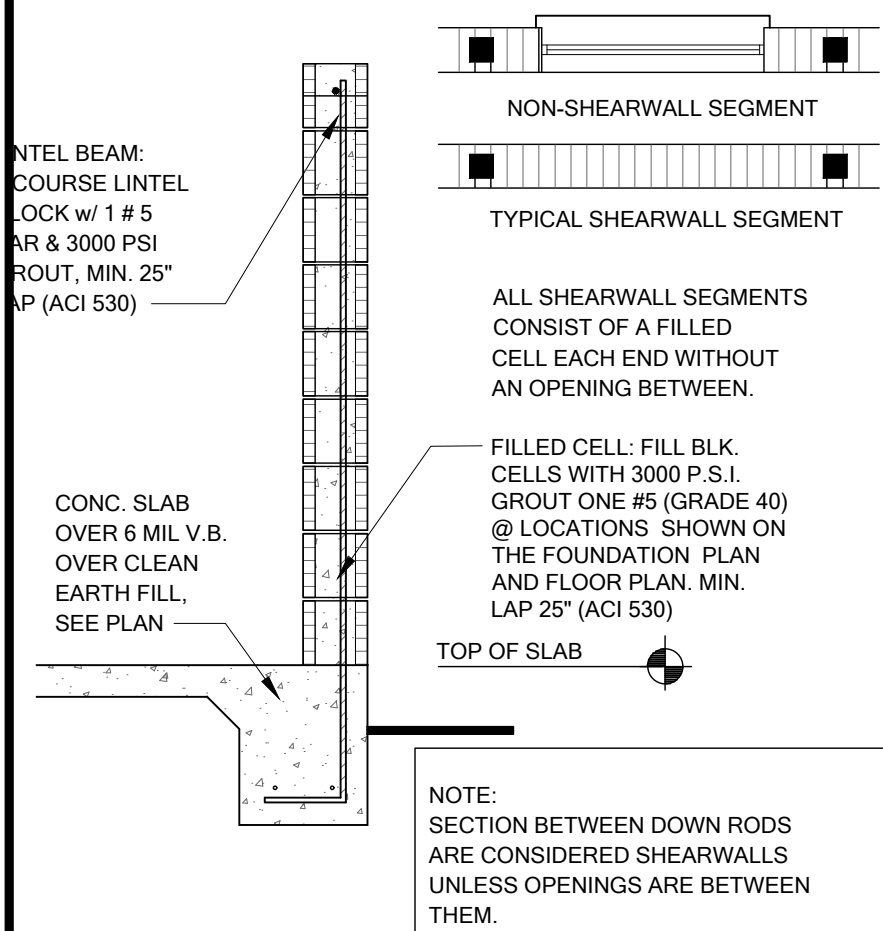
3999 West First Street
Sanford, FL 32771
(407) 302-9871

Community:	Forest Cove	Garage Side:	Left
Plan Name:	Sienna	Elev - A	
Lot:	8	Block:	
Address:	TBD SW Cadence Glen Lake City, FL 32024		
Job No.	9FC00801	Renaissance Series	
Reference No.	25-04307		
Sheet:	1.1		
FND. DTLS.			



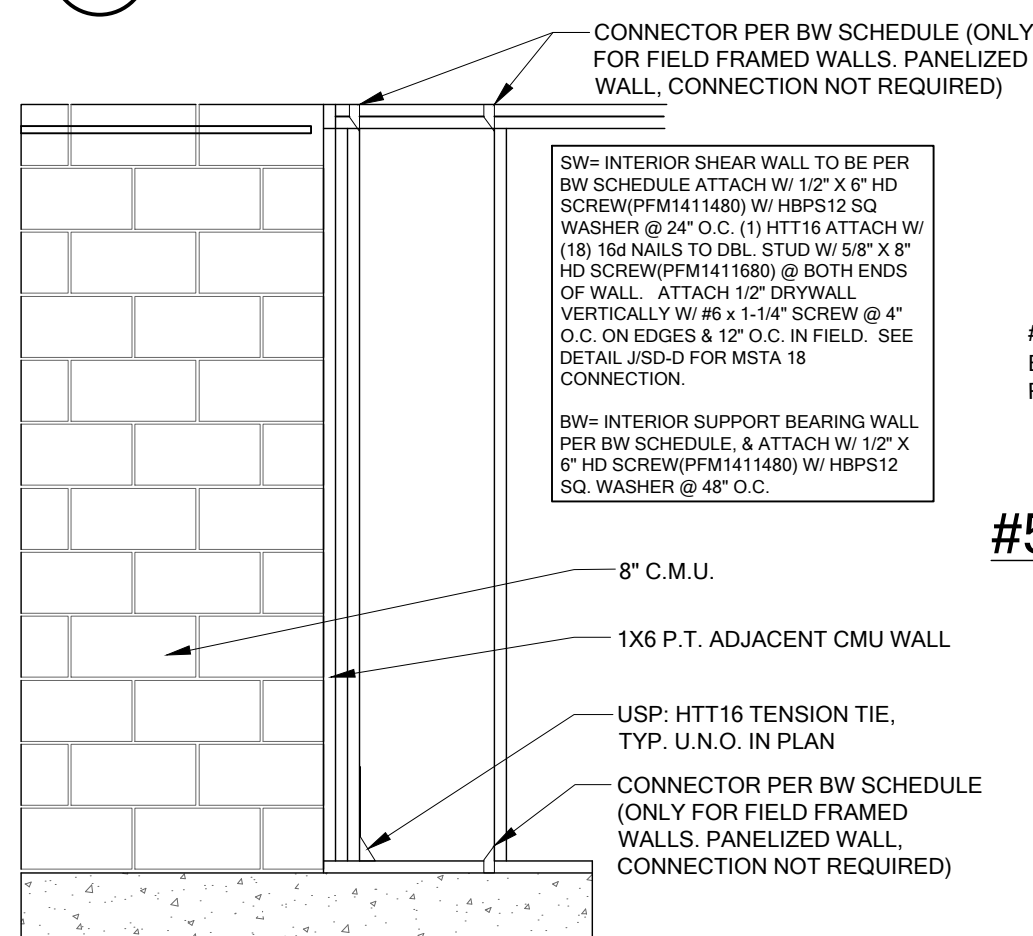
DETAIL

MS01
MASONRY WALL REINFORCEMENT
SCALE: N.T.S.



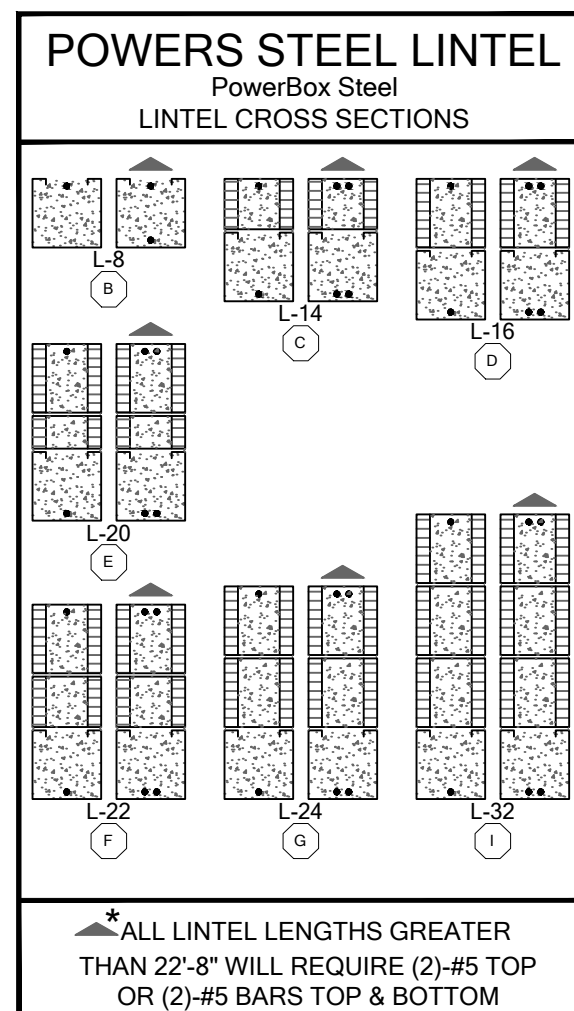
SECTION

MS02
TYPICAL SHEARWALL DETAIL
SCALE: N.T.S.

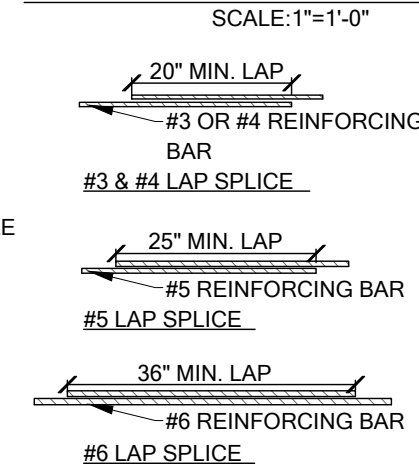


FRAMING CONNECTION

MS03
EXTERIOR FRAME WALL TO MASONRY (EXTERIOR / BEARING / SHEAR)
SCALE: N.T.S.



#5 STD. 90° HOOK



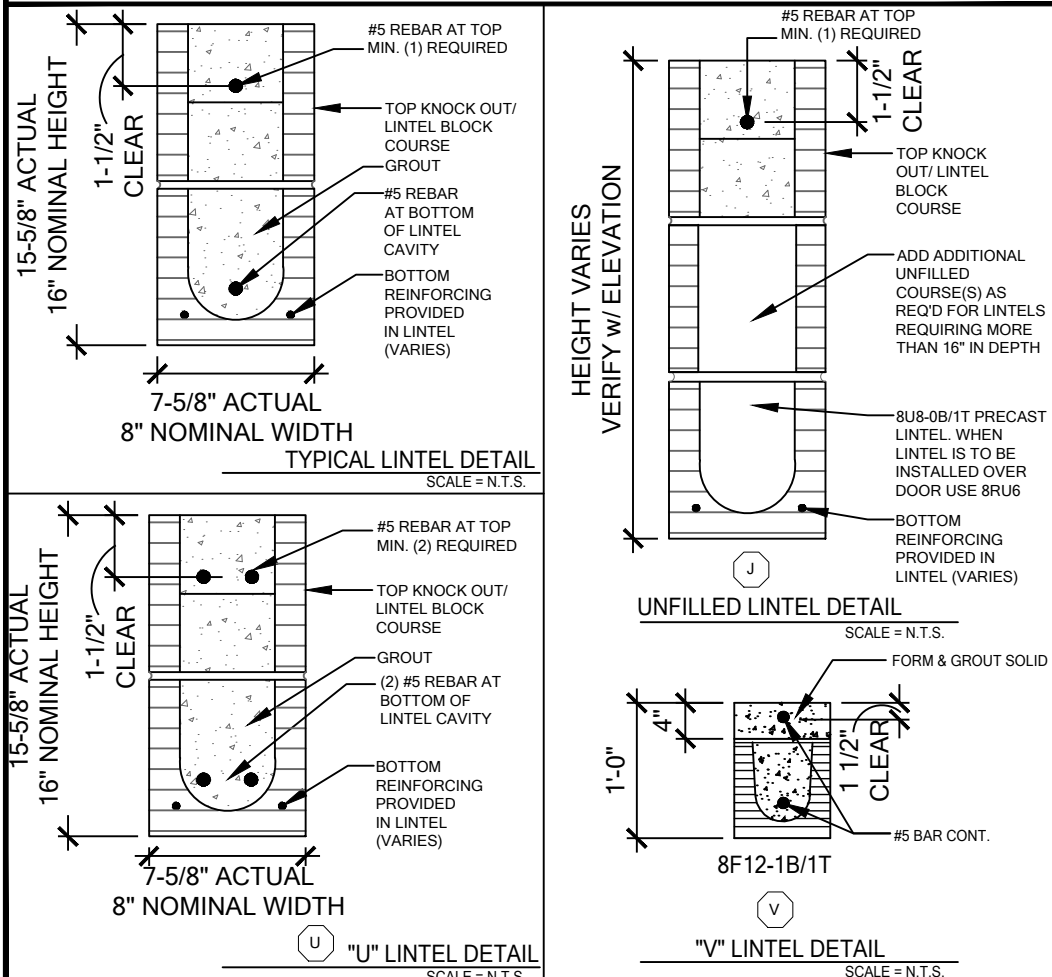
DETAIL

MS05
REBAR SPLICE DETAIL *GRADE 40 U.N.O.
SCALE: N.T.S.

- ### GENERAL LINTEL NOTES
- AREAS OF BLOCK ABV. MASONRY OPENINGS ARE TO BE GROUTED SOLID TO TIE BEAM.
 - (1) #5 (GRADE 40) REBAR IN THE BEAM IS TO BE CONT. THROUGH OUT INCLUDING ABV. MASONRY OPENINGS. U.N.O.
 - ALL STANDARD AND RECESS LINTELS TO HAVE MIN. 4" BEARING EA. END BASED ON MANUFACTURER SPECS.
 - LINTEL MINIMUM DEPTHS ARE CALLED OUT ON LINTEL PLAN. IF CONTRACTOR INSTALLS A DEEPER LINTEL THAN INDICATED ON THE PLAN, DOING THIS INCREASES THE STRENGTH OF THE LINTEL AND IS APPROVED WITHOUT ENGINEERING LETTER. IF A SMALLER LINTEL IS INSTALLED CONTACT EOR FOR APPROVAL.
- NOTE: ALL LINTEL DIMENSIONS SHOWN ARE "OVERALL" LINTEL LENGTHS. GC TO VERIFY ALL LINTEL DIMENSIONS IN FIELD

GENERAL CONCRETE LINTEL SCHEDULE

APPROVED LINTEL MANUFACTURERS: CAST-CRETE - FL158.1, QUALITY/PRO CRETE - FL23932, LOTT'S - FL17867.1, MARION MASONRY - FL12193.1 (OCALA/GAINESVILLE ONLY)



- ### MATERIALS
- Fc precast lintels = 3500 psi.
 - Fc prestressed lintels = 4000 psi.
 - grouted per ASTM C476 f'g = 3000 psi w/ maximum 3/8" aggregate and 8" to 11" slump.
 - Concrete masonry units (CMU) per ASTM 900 w/ minimum net area compressive strength = 1900 psi.
 - Rebar per ASTM A635 Grade 60.
 - Prestressing strand per ASTM A416 grade 270 low relaxation.
 - 7/32" wire per ACI 10.10.
 - Mortar per ASTM C270 type M or S.
- ### GENERAL INSTALLATION NOTES
- Provide full mortar head and bed joints.
 - Shore filled lintels as required.
 - Installation of lintel must comply with the architectural and/or structural drawings.
 - U-Links are manufactured with 5-1/2" long notches at the ends to accommodate vertical cell reinforcing and grouting.
 - All lintels meet or exceed 1,550 vertical deflection, except lintels 17'-4" and longer with a nominal height of 8" meet or exceed 1,180.
 - Bottom field added rebar to be located at the bottom of the lintel cavity.
 - 7/32" diameter wire straps are welded to the bottom steel for mechanical anchorage.
 - Cast-in-place concrete may be provided in composite lintel in lieu of concrete masonry units.
 - Safe load ratings based on rational design analysis per ACI 318 and ACI 530.
 - Florida Product Approval No. 158.1
 - The exterior surface of lintels installed in exterior concrete masonry walls shall have a coating of silicone applied in accordance with ASTM C-928 or other approved coating.
 - Lintels loaded simultaneously with vertical (gravity and uplift) and horizontal (lateral) loads should be checked for concrete loading with the following equation:

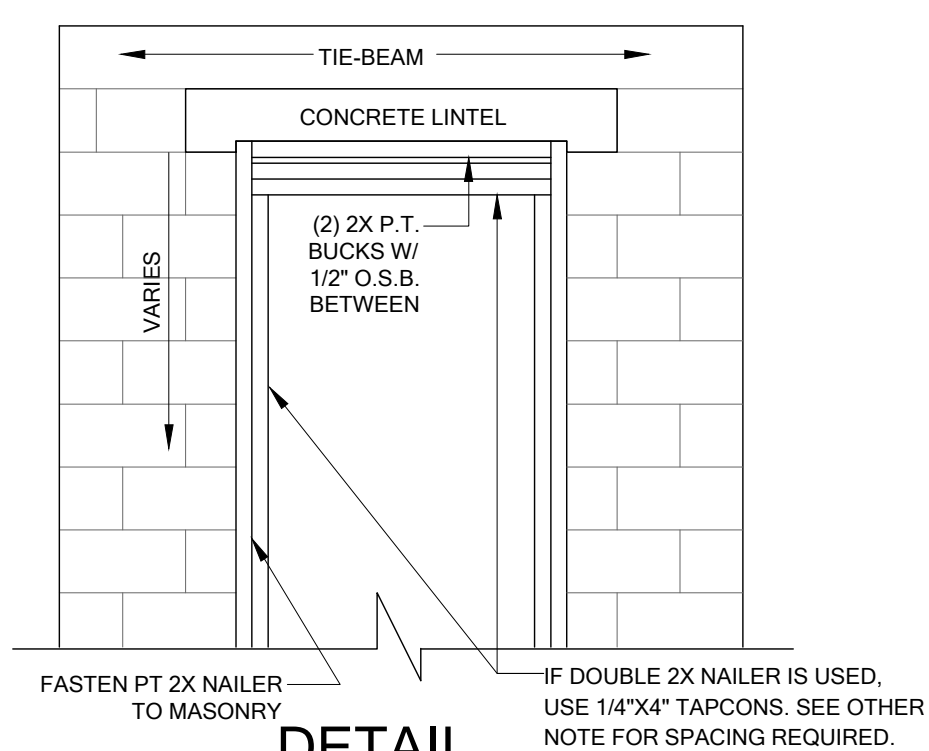
$$\frac{\text{Applied vertical load}}{\text{Safe vertical load}} + \frac{\text{Applied horizontal load}}{\text{Safe horizontal load}} \leq 1.0$$

LINTEL DESIGNATION SCHEDULE			
MARK	LINTEL REQUIREMENTS	MARK	LINTEL REQUIREMENTS
(A)	8RF6-0B/1T	(L)	8RF14-0B/1T
(B)	8F8-0B/1T	(M)	8F16-0B/1T
(C)	8RF14-1B/1T	(N)	8F20-0B/1T
(D)	8F16-1B/1T	(O)	8RF22-0B/1T
(E)	8F20-1B/1T	(P)	8F24-0B/1T
(F)	8RF22-1B/1T	(Q)	8RF30-0B/1T
(G)	8F24-1B/1T	(R)	8F32-0B/1T
(H)	8RF30-1B/1T	(S)	8F28-1B/1T
(I)	8F32-1B/1T	(T)	8F40-1B/1T
(J)	"SEE DETAIL ABOVE"	(U)	8F16-2B/2T
(K)	8F8-1B/1T	(V)	8F12 1B/1T
		(W)	8F12 0B/1T

ATTACHMENT REQUIREMENTS

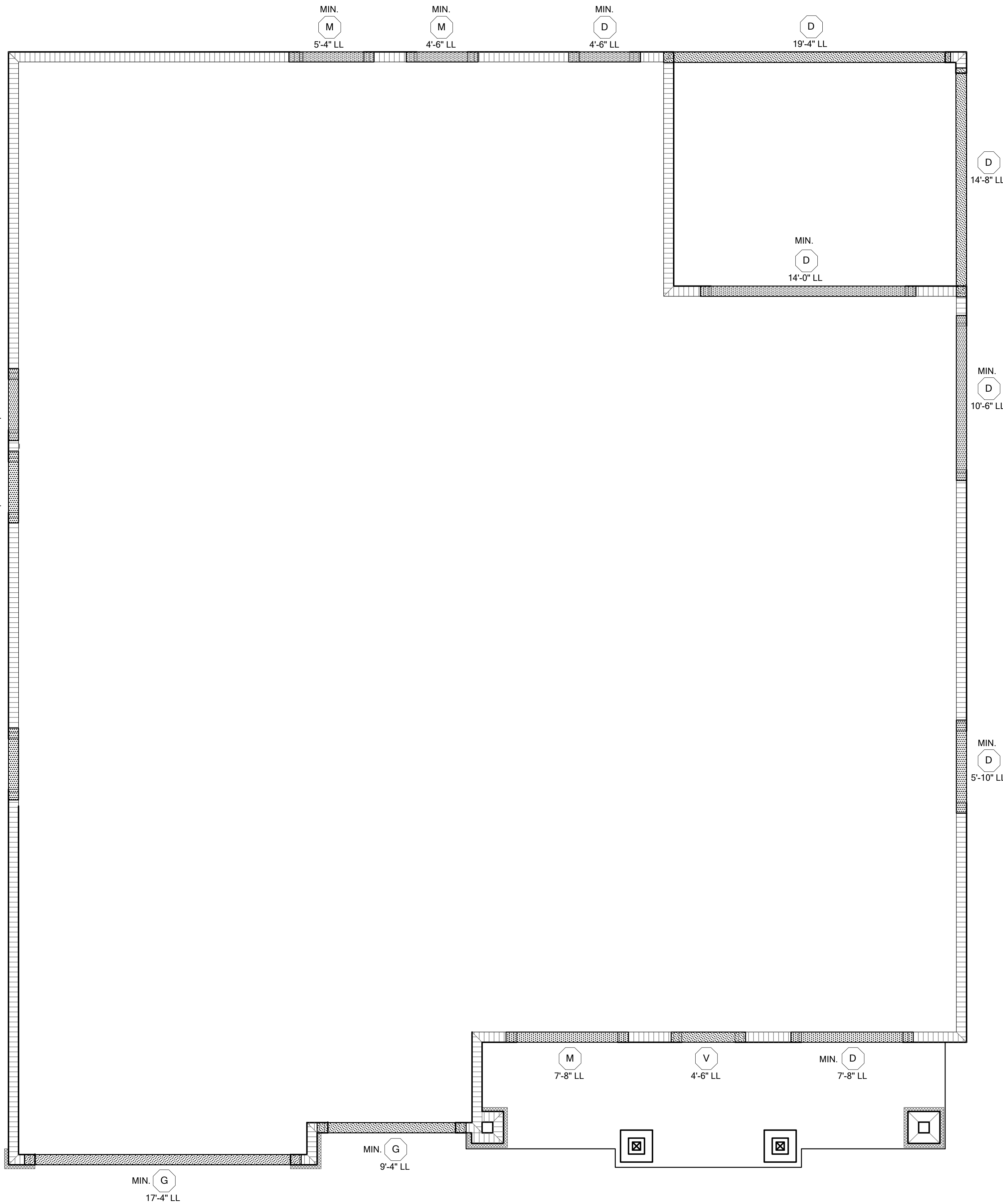
SIZE	TAPCONS	SPACING	# ROWS
2 x 4	3/16" X 3"	12" O.C.	1
2 x 6	3/16" X 3"	12" O.C.	2
2 x 8	3/16" X 3"	12" O.C.	2

NOTE: TAPCONS TO BE 6" FROM ENDS FASTENING OF WINDOW TO BUCK RESPONSIBILITY OF WINDOW MANUFACTURER.



DETAIL

MS11
2x BUCK TO MASONRY
SCALE: N.T.S.



LINTEL PLAN

SCALE: 1/4" = 1'-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



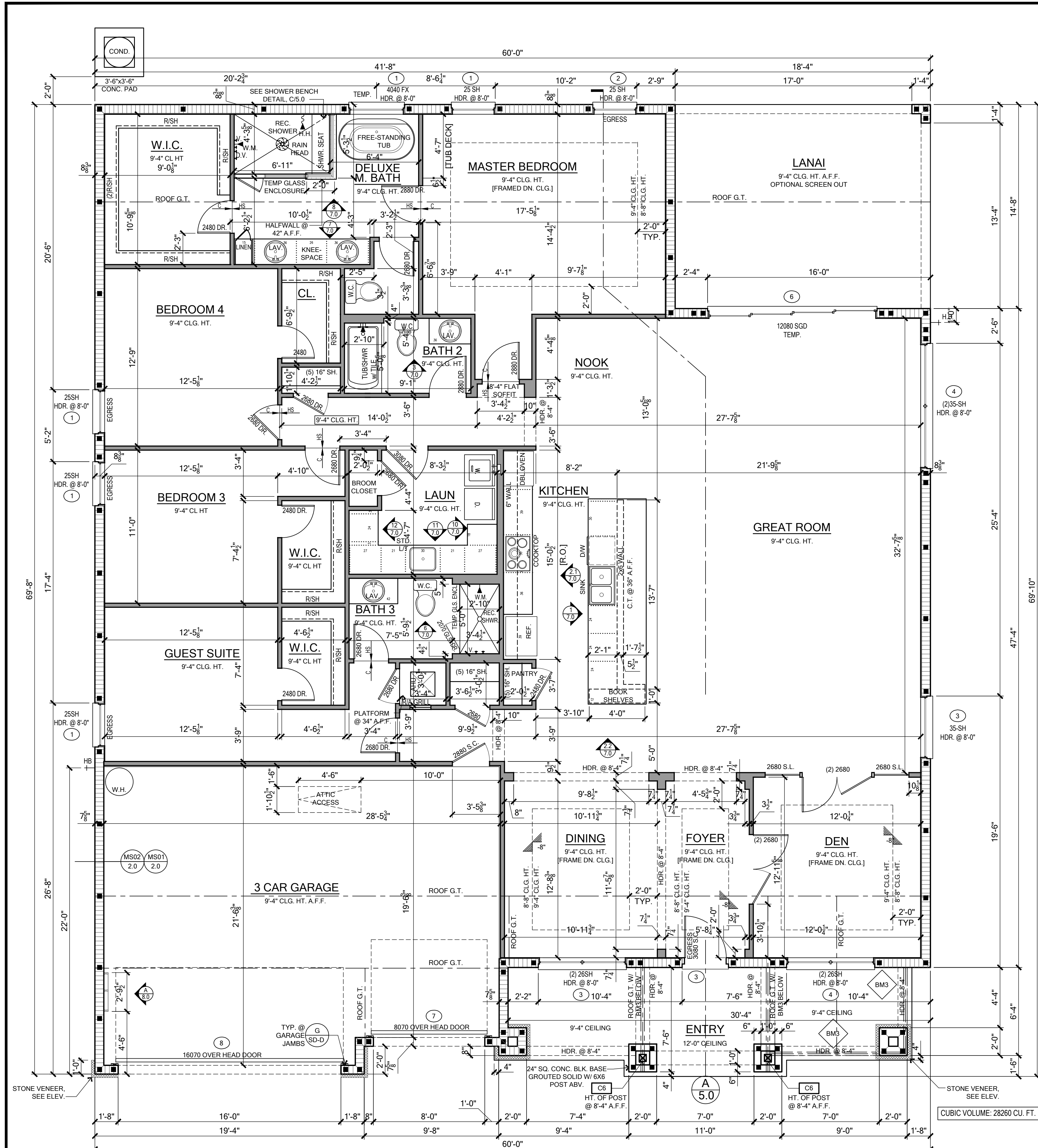
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258 Southhall Lane, Suite 200
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MARONDA Homes
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Sanford, FL 32771
(407) 302-9871

Community:	Forest Cove	Garage Side:	Left
Plan Name:	Sienna	Elev - A	Left
Lot:	8	Block:	
Address:	TBD SW Cadence Glen Lake City, FL 32024		
Job no:	9FC0801	Renaissance Series	
Reference No:	25-04307		
Sheet:	2.0		

LINTEL PLAN



BEAM SCHEDULE		
MARK	BEAM SIZE	CONNECTIONS
DBM1	2" x 8 #2 SYP W/ 716" DSB FLITCH PLATE. NAIL BEAM TOGETHER USING (2) ROWS OF 12d NAILS @ 12" O.C. EACH SIDE	PROVIDE (2) USP MSTA18 (2) USPHTW24 TO WOOD POST OR (2) USP1A18 TO CMU CL. U.N.O. ON ROOF OR FLOOR PLAN
DBM2	2" x 10 #2 SYP W/ 716" DSB FLITCH PLATE. NAIL BEAM TOGETHER USING (2) ROWS OF 12d NAILS @ 12" O.C. EACH SIDE	PROVIDE (2) USP MSTA18 (2) USPHTW24 TO WOOD POST OR (2) USP1A18 TO CMU CL. U.N.O. ON ROOF OR FLOOR PLAN
DBM3	2" x 12 #2 SYP W/ 716" DSB FLITCH PLATE. NAIL BEAM TOGETHER USING (2) ROWS OF 12d NAILS @ 12" O.C. EACH SIDE	PROVIDE (2) USP MSTA18 (2) USPHTW24 TO WOOD POST OR (2) USP1A18 TO CMU CL. U.N.O. ON ROOF OR FLOOR PLAN
DBM4	3" x 12 #3 GULLUM (1.9E / Fp=2.400 PSl)	PROVIDE (2) USP MSTA18 (2) USPHTW24 TO WOOD POST OR (2) USP1A18 TO CMU CL. U.N.O. ON ROOF OR FLOOR PLAN
DBM5	3 1/2" x 11 1/2" GULLUM (1.9E / Fp=2.400 PSl)	PROVIDE (2) USP MSTA18 (2) USPHTW24 TO WOOD POST OR (2) USP1A18 TO CMU CL. U.N.O. ON ROOF OR FLOOR PLAN
DBM6	3 1/2" x 16" GULLUM (1.9E / Fp=2.400 PSl)	PROVIDE (2) USP MSTA18 (2) USPHTW24 TO WOOD POST OR (2) USP1A18 TO CMU CL. U.N.O. ON ROOF OR FLOOR PLAN
DBM7	5 1/2" x 16" GULLUM (1.9E / Fp=2.400 PSl)	PROVIDE (2) USP MSTA18 (2) USPHTW24 TO WOOD POST OR (2) USP1A18 TO CMU CL. U.N.O. ON ROOF OR FLOOR PLAN
DBM8	3 1/2" x 14" GULLUM (1.9E / Fp=2.400 PSl)	PROVIDE (2) USP MSTA18 (2) USPHTW24 TO WOOD POST OR (2) USP1A18 TO CMU CL. U.N.O. ON ROOF OR FLOOR PLAN
GENERAL BEAM NOTES 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 CUT OR NOTED IN ANY WAY WITHOUT WRITTEN APPROVAL FROM THE E.O.R.		

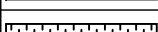
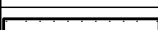
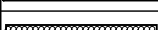
WALL TYPES LEGEND

Masonry

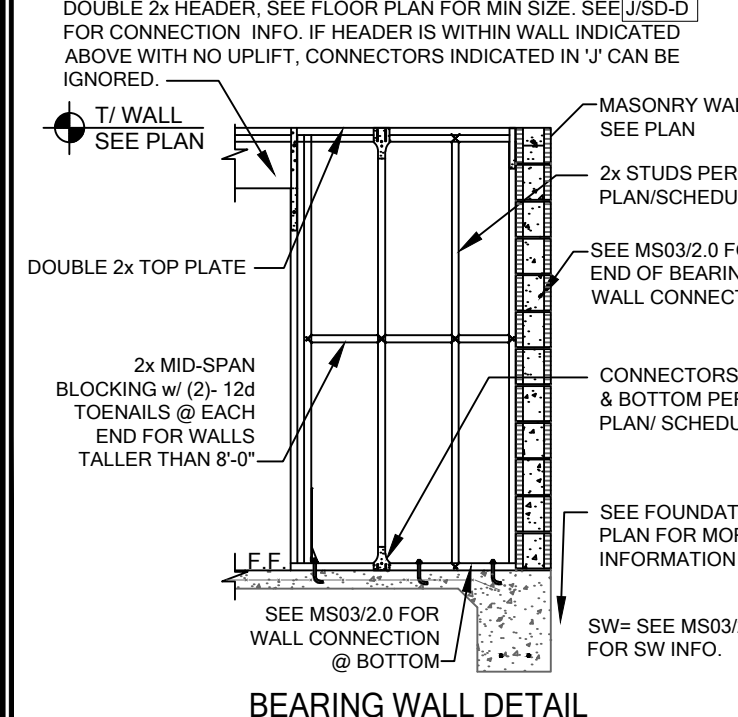
	8" CMU @ 8'-4" A.F.F./ Furring, Insul., and D.W.
	8" CMU @ 8'-4" A.F.F./ Furring, Insul., and D.W.
	NOT USED

** SEE NOTE-2 BELOW **

Framing

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

BEARING WOOD WALL SCHEDULE					
MARK	STUD SPACING	CONNECTION & FASTENERS		LUMBER SPECIES	UPPL CAP
		TOP	BOTTOM		
BW1	---	---	---	---	---
BW2	---	---	---	---	---
BW3	---	---	---	---	---
BW4	16"	(2) 16d TOENAILS	(2) 16d TOENAILS	SYD	NO UPPL
BW5	16"	(1) FRAMEFAST FMF006 SCREW	(1) FRAMEFAST FMF006 SCREW	SYD	48d
BW6	16"	(2) FRAMEFAST FMF006 SCREWS	(2) FRAMEFAST FMF006 SCREWS	SYD	99d
BW7	---	---	---	---	---
BW8	---	---	---	---	---
BW9	---	---	---	---	---
BW10	12"	(2) 16d TOENAILS	(2) 16d TOENAILS	SYD	NO UPPL
BW11	12"	(1) FRAMEFAST FMF006 SCREW	(1) FRAMEFAST FMF006 SCREW	SYD	66d
BW12	12"	(2) FRAMEFAST FMF006 SCREWS	(2) FRAMEFAST FMF006 SCREWS	SYD	13d



GENERAL BEARING WALL NOTES

1. SEE FLOOR PLAN FOR WALL SIZE. ASSUME 24 STUDS USED (UNO).
2. ALL STRUCTURAL LUMBER TO BE S_{12} UNO IN PLATE.
3. CONNECTIONS TO BE INSTALLED TO EACH STUD AS INDICATED.
4. IF 2×6 OR IF 2×8 IS USED, ALL STUDS OR ANCHORS ARE SUBSTITUTED, TO MEET THE STRUCTURAL REQUIREMENTS.
5. IF "BW" IS INDICATED ON SECOND FLOOR BASE CONNECTION TO BE IGNORED. SEE DETAIL IN PLANS FOR PROPER CONNECTIONS FOR FLOOR AND FLOOR TO FLOOR CONNECTIONS. (NOTE THIS IS FOR 2 STORY PROJECTS ONLY.)
6. ALL 2×6 EXTERIOR WALLS W/ EXTERIOR SHEATHING CONNECTION PER NAILING SCHEDULE.
7. IF 2×6 IS USED FOR EXTERIOR WALLS, ALL STUDS OR ANCHORS ARE SUBSTITUTED, TO MEET THE STRUCTURAL REQUIREMENTS.
8. 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, TOE NAILS TO THE PLATE AND THE EX PLATE CAN BE ATTACHED WITH HARD CASH NAILS (16D) AND AN ANCHOR BOLT AT THE ANCHOR BOLT ATTACHMENT INDICATED IN THE BEARING WALL SCHEDULE.
9. SPI182 DRIVE ONE NAIL AT AN ANGLE THROUGH THE STUD IN THE PLATE TO ANCHOR.

COLUMN SCHEDULE			
MARK	COLUMN SIZE	(BASE) CONN. & FASTENER	UPLIFT
[C3]	2 x 2 #2 SYP	(4) 16d TOENAILS	NO UPLIFT
		(A) HTT45 w/ 5/8" ATR & (18) 16d X 2-1/2" NAILS	421#
[C4]	3) 2 x #2 SYP	(B) ATTACH BASE w/ (2) LSTA24	247#
		(C) MSTCM60 w/(24) 10d & (14) 1/4" x 2-1/4" TAPCONS	366#

C5	4 x 4 P.T.#2 SYP POST	PAU44 w/ 5/8" ATR & (12) 16d NAILS	G = 6 U = 2
C6	6 x 6 P.T.#2 SYP POST	PAU66 w/ 5/8" ATR & (12) 16d NAILS	G = 1 U = 2
C9	4 x 6 P.T.#2 SYP POST	HTT45 W/ 5/8" ATR & (18) 16d NAILS	421
C11	5.25"x5.25" P.L. 1.8E Fb=2400 (WOLMANIZED IF EX.T.)	UPH8D W/ 7/8" ATR & (24) 1/4"x2-1/2" W33 WOOD SCREWS	818

NOTE: P.L.= LUMBER USED HOT DIP GALVANIZED OR STAINLESS STEEL

CONNECTOR & FASTENERS.	
GENERAL COLUMN NOTES	
1.	SEE FLR. PLN. FOR WALL WIDTH. STUD PACKS TO MATCH WALL WIDTH- UNO.
2.	ALL STRUCTURAL MEMBER TO BE SYP#2 UNO ON PLAN.
3.	NAIL BUILT UP STUDS PER DETAIL K/S-D MINIMUM BOLT EMBEDMENT 5" EMBEDMENT FOR 1/2" ATR 6" EMBEDMENT FOR 5/8" ATR 8" EMBEDMENT FOR 7/8" ATR
4.	SEE WOOD CONSTRUCTION NOTE #4 ON SN SHEET FOR CORROSION INFORMATION

140 MPH OPENING PRESSURES				
C/C LOADING - ENCLOSED - EXPOSURE 19" - MEAN ROOF 14" - 1-STORY - 15' AND 2-STORY - 25'				
AFFECTING WIND AREA (SQ. FT.)	INTERIOR WALL ZONE 10 (MORE THAN 4' FROM BLDG. CORNER)	INTERIOR WALL ZONE 10 (4' OR CLOSER TO BLDG. CORNER)	OUTER WALL ZONE 10	
0 - 19.99	+ 21.2 PSF / - 22.9 PSF	(2)	+ 21.2 PSF / - 26.3 PSF	
20 - 49.99	+ 22.1 PSF / - 22.0 PSF	(4)	+ 22.1 PSF / - 26.4 PSF	
50 - 99.99	+ 18.9 PSF / - 20.7 PSF	(6)	+ 18.9 PSF / - 23.9 PSF	
SHUTTLES (ENCL. ZONE)				
	(2)	+ 21.2 PSF / - 22.9 PSF		

8070 = -18.5 PSF / 20.0 PSF 16070 = -17.7 PSF / 19.7 PSF
 OCCUPANT AREAS REQUIRED TO BE VENTILATED TO WIND SPEED 10 MPH OR GREATER; CONTRACTORS TO PROVIDE ADDITIONAL INFORMATION AS REQUIRED FOR PRELIMINARY DESIGN TO INCLUDE IMPACT GLAZING, SHUTTERS, OR WOOD STRUCTURE PANELS PER SECTION 05110.

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 NOODLE BAR) • 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					
MASONRY					
WINDOW TYPES	SIZE	THRU OPKG	U-VALUE	SHGC	WT Grd
			Wt Grd	Grd	Wt Grd
1H2 SH	25 1/2" X 26"	27 1/4" X 6"	0.33	0.23	0.33
1H3 SH	25 1/4" X 37 3/8"	27 1/4" X 38 3/8"	0.33	0.23	0.33
1H4 SH	25 1/4" X 48 1/2"	27 1/4" X 49 1/2"	0.33	0.23	0.33
1H4 SH	25 1/2" X 62"	27 1/4" X 63"	0.33	0.23	0.33
2H2 SH	52 1/8" X 49 5/8"	53 7/8" X 50 5/8"	0.33	0.23	0.33
2H3 SH	52 1/8" X 62"	53 7/8" X 63"	0.33	0.23	0.33
2H3 SH	36 1/4" X 37 3/8"	37 3/4" X 38 3/8"	0.33	0.23	0.33
2H3 SH	36 1/4" X 48 1/2"	37 3/4" X 49 1/2"	0.33	0.23	0.33
2H3 SH	36" X 62"	37 3/4" X 63"	0.33	0.23	0.33
2H4 SH	52" X 37 3/8"	53 7/8" X 38 3/8"	0.33	0.23	0.33
2H4 SH	52" X 48 1/2"	53 7/8" X 49 1/2"	0.33	0.23	0.33
2H4 SH	52" X 62"	53 7/8" X 63"	0.33	0.23	0.33
3H2 SH	62" X 37 3/8"	63 7/8" X 38 3/8"	0.33	0.23	0.33
3H2 SH	52" X 48 1/2"	53 7/8" X 49 1/2"	0.33	0.23	0.33
3H3 SH	47 1/2" X 31 1/2"	49 1/4" X 36 1/2"	0.33	0.23	0.33
3H5 SH	36" X 37 3/8"	37 3/4" X 38 3/8"	0.31	0.25	0.31
3H5 SH	36" X 48 1/2"	37 3/4" X 49 1/2"	0.31	0.25	0.31
12-24 SH	72 1/8" X 49 5/8"	73 7/8" X 50 5/8"	0.33	0.23	0.33
12-24 SH	72 1/8" X 62"	73 7/8" X 63"	0.33	0.23	0.33
12-24 SH	72 1/8" X 77 1/2"	73 7/8" X 78 1/2"	0.33	0.23	0.33
12-24 SH	72 1/8" X 92 1/2"	73 7/8" X 93 1/2"	0.33	0.23	0.33
12-24 SH	108 1/4" X 62"	110" X 63"	0.33	0.23	0.33
15-15 FX (PW)	25 1/4" X 37 3/8"	27 1/4" X 38 3/8"	0.31	0.25	0.31
15-15 FX (PW)	25 1/4" X 48 1/2"	27 1/4" X 49 1/2"	0.31	0.25	0.31
15-15 FX (PW)	25 1/2" X 62"	27 1/2" X 63"	0.31	0.25	0.31
20-40 PW	31 1/2" X 47 1/2"	32 1/2" X 48 1/2"	0.31	0.25	0.31
20-40 PW	31 1/2" X 58 1/2"	32 1/2" X 59 1/2"	0.31	0.25	0.31
23 PW	36" X 37 3/8"	37 3/4" X 38 3/8"	0.31	0.25	0.31
30-10 PW	36" X 31 1/2"	37 3/4" X 32 1/2"	0.31	0.25	0.31
30-10 PW	36" X 48 1/2"	37 3/4" X 49 1/2"	0.31	0.25	0.31
30-10 PW	36 3/4" X 47 1/2"	37 1/2" X 48 1/2"	0.31	0.25	0.31
30-10 PW	36 3/4" X 58 1/2"	37 1/2" X 59 1/2"	0.31	0.25	0.31
40-10 PW	47 1/2" X 11 1/2"	49 1/4" X 12 1/2"	0.31	0.25	0.31
40-10 PW	47 1/2" X 23 1/2"	49 1/4" X 24 1/2"	0.31	0.25	0.31
40-10 PW	47 1/2" X 35 1/2"	49 1/4" X 36 1/2"	0.31	0.25	0.31
40-10 PW	47 1/2" X 47 1/2"	49 1/4" X 48 1/2"	0.31	0.25	0.31
40-10 PW	47 1/2" X 59 1/2"	49 1/4" X 60 1/2"	0.31	0.25	0.31

[illegible]

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

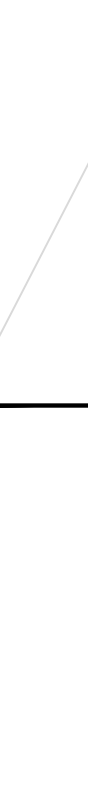
DOOR SCHEDULE				
ALL DOOR ARE INSWING AND IF YOU NEED NOT SWING - 1 3/8" OFF HEIGHT				
DOOR TYPE	SIZE	MASONRY OPNG	FRAME CODE	
2-0 X 6-8	21/2" X 82"	29" X 33 1/4"	26" X 82"	
2-0 X 8-0	25 1/2" X 98"	29" X 39 3/4"	30" X 98"	
2-4 X 6-8	21/2" X 82"	33" X 33 1/4"	30" X 82"	
2-4 X 8-0	25 1/2" X 98"	33" X 39 3/4"	30" X 98"	
2-6 X 6-8	31 1/2" X 82"	35" X 33 1/4"	32" X 82"	
2-6 X 8-0	31 1/2" X 98"	35" X 39 3/4"	32" X 98"	
3-0 X 6-8	37 1/2" X 82"	41" X 33 1/4"	36" X 82"	
3-0 X 8-0	37 1/2" X 98"	41" X 39 3/4"	36" X 98"	
3-0 w/1 (X) S L 6-8	51 1/8" X 82"	54 1/2" X 33 1/4"	51 1/2" X 82"	
3-0 w/1 (X) S L 8-0	51 1/8" X 98"	54 1/2" X 39 3/4"	51 1/2" X 98"	
3-0 w/2 (X) S L 6-8	64 1/2" X 82"	68" X 33 1/4"	65" X 82"	
3-0 w/2 (X) S L 8-0	64 1/2" X 98"	68" X 39 3/4"	65" X 98"	
3068 DBL. FR. DR.S.	75" X 82"	76 1/4" X 33 1/4"	74 3/4" X 82"	
3080 DBL. FR. DR.S.	75" X 98"	76 1/4" X 39 3/4"	74 3/4" X 98"	
12080 SGD	141 1/8" X 86"	144 5/8" X 93 7/4"	141 5/8" X 86"	
8'0" X 7'0" OHD	96" X 96"	96" X 94"	96" X 94"	
16'0" X 7'0" OHD	192" X 94"	96" X 94"	96" X 94"	
SLIDING GLASS DOORS				

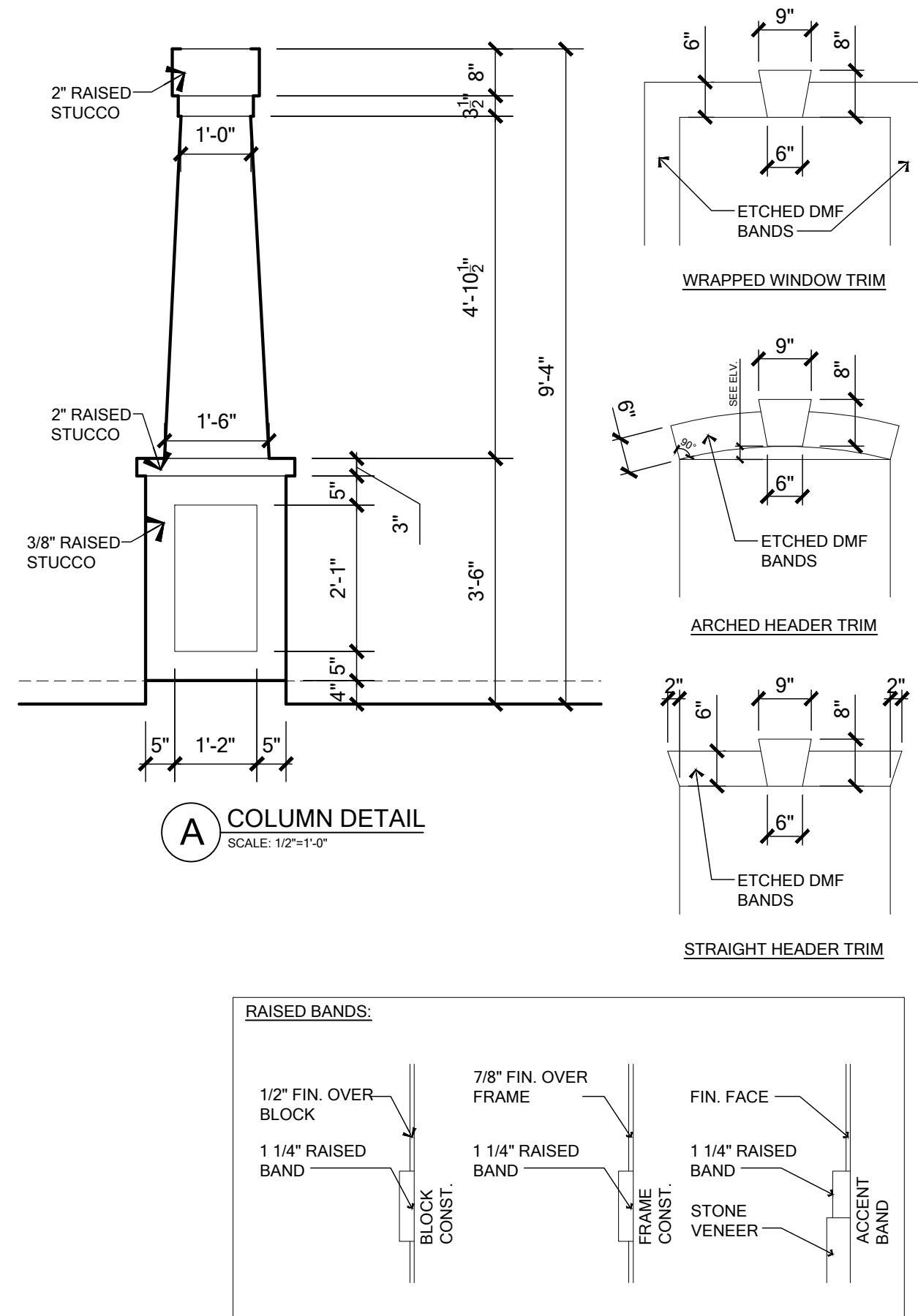
	DOOR TYPE	SIZE	MASONRY OPNG	U-VALUE
lb) FT	5068 SGD	60" X 80"	63 1/2" X 81 3/4"	0.54
	6068 SGD	72" X 80"	75 1/2" X 81 3/4"	0.54
	6080 SGD	72" X 96"	75 1/2" X 97 3/4"	0.54
	8068 SGD	96" X 80"	99 1/2" X 81 3/4"	0.54
	8080 SGD	96" X 96"	99 1/2" X 97 3/4"	0.54
	9068 SGD	106 13/16" X 80"	110 1/4" X 81 3/4"	0.54
	9080 SGD	106 13/16" X 96"	110 1/4" X 97 3/4"	0.54
	12080 SGD	141 1/8" X 96"	144 5/8" X 97 3/4"	0.54

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	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)		
HEADER SUPPORT NO. OF JACKS & STUDS REQ. AT OPENING				
OPENING SIZE	2x4 WALL		2x6 OR 2x8 WALL	
	JACKS EA END	KINGS EA END	JACKS EA END	KINGS EA END
	1'-0" - 4'-0"	(1) (2)	(1) (2)	
	>4'-0" BUT <=9'-0"	(1) (2)	(1) (2)	

	9'-0" - 16'-0"	(3)	(4)	(3)	
GENERAL HEADER NOTES					
1.	VERIFY W/ PLAN CORRECT LENGTH OF HEADER REQUIRED				
2.	IF HEADER IS ON THE 1ST FLOOR, SEE PLAN FOR BEARING WALL AND FOLLOW INSTRUCTIONS WITHIN BEARING WALL SCHEDULE REQUIRED CORRECTIONS UNO ON PLAN.				
3.	IF HEADER IS ON THE 2ND FLOOR, SEE PLAN FOR INDICATED H CONNECTION FOR REQUIRED CONNECTIONS.				
4.	ALL HEADER JACK AND KING STUDS SHALL BE FASTENED TO E PER DETAIL K5D-D.				

FOR COUNTY USE ONLY		05/07/2025	
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			
		<i>Making Dreams Come True</i>	
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100% Employee Owned myTSGhome.com			
		3999 West First Street Sanford, FL 32771 (407)302-9571	
Community:	Forest Cove		Reference No: 25-04307
	Plan Name:	Sienna	
	Garage Side:	Left	TBD SW Cadence Glen Lake City, FL 32024
	Elev - A		
	Lot:	8	TBD SW
	Address:		
			9FC00801
			Renaissance Series
Sheet:		3.0	
FLOOR PLAN			



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 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 engineer's method for lath attachment.)

Lathing Accessories
Attachments shall be of corrosion-resistant materials. Wood Application: 16 Ga. x1/2" long (3/4" -1 crown) staples @ 6" O.C. vertically/horizontally into framing members. Masonry Application: Concrete stub nail, 3/8" (10 mm) head Min. @ 6" O.C. vertically/horizontally or compatible adhesives, exterior gr-grader construction adhesive with 1" dabs @ 6" O.C. or in a semi-continuous band between the solid plaster base and the solid portion of the key attachment framing. Metal Application: Metal lath shall be installed in accordance with C1063. Lath shall not be continuous through control joints, but shall be stopped and tied 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 or any type of code-approved lath and shall be not less than two coats where direct 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, when 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 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.

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 E25 shall be applied horizontally, with the upper layer lapped over the lower la not less than 2 inches (51mm), and where joints occur, shall be lapped less than 6 inches (152 mm)

R703.4 Flashing
Approved metal flashing, vinyl flashing, self-adhered membranes and mechanical 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 proper joint expansion and contraction, ASTM C1281, AAMA 812, or other approved standard as appropriate for the type of sealant. Fluid-applied membrane 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.

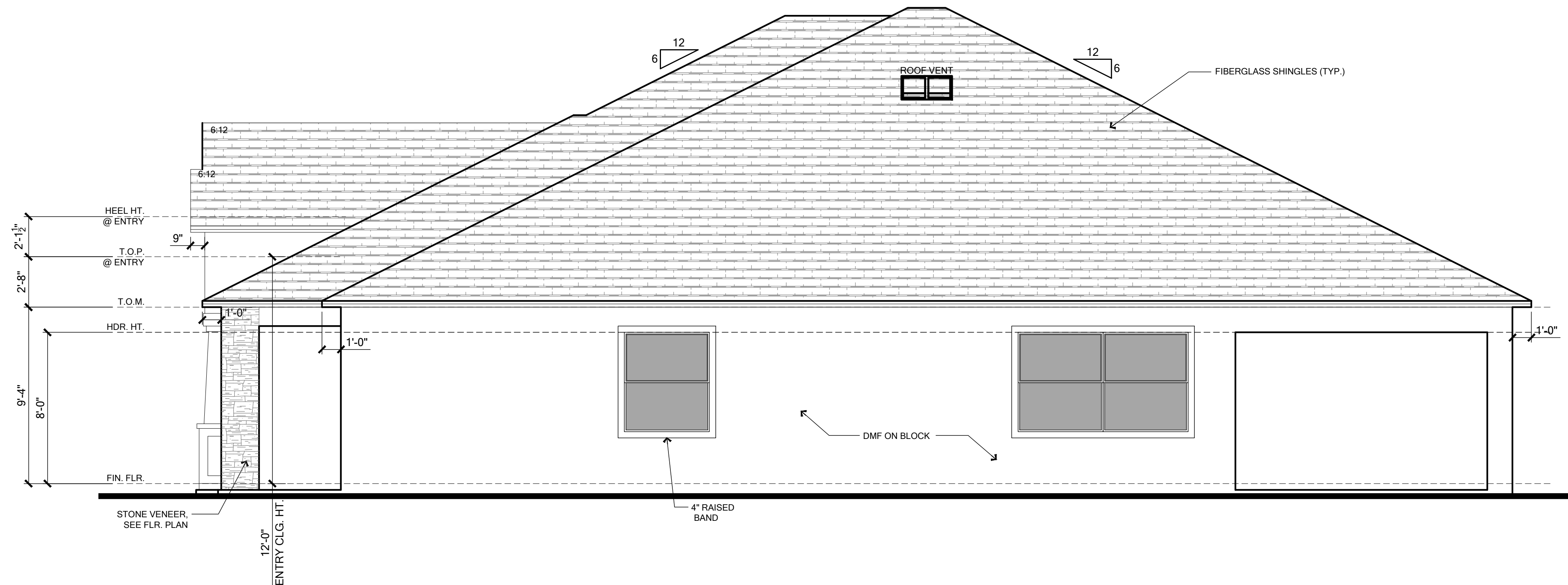
- Exterior window/door openings.
- Intersection of chimneys or other masonry construction with frame walls.
- Under and at the ends of masonry, wood or metal copings and sills.
- Continuously above all projecting wood trim.
- Where exterior porches, decks or stairs attach to a wall or floor assembly 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 12.2 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 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.						
		1/150 Rule			1/300 Rule	
ATTIC SPACE		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 SQ. IN. of ventilation to be provided by upper ventilators
FIRST FLOOR PLAN	4115	3950.4	265.1	270	1975.2	66.3 987.6

VENTILATION PROVIDED		
	Amt.	Total Ventilation Provided (Sq. Inches)
Off-Ridge Vent (1st Floor)	2	280
Off-Ridge Vent @ Opt. 3 Car Side Load Gar.	2	280
Total Ventilation Provided by Upper Ventilators		280
1/150 Rule used; Off-Ridge Vents not part of Calculations		



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

SCALE: 1/4" = 1'-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.

The logo for TSG (The Sports Group) features the letters 'TSG' in a large, bold, blue sans-serif font. The letters are contained within a light blue rectangular border. To the right of the border, the tagline 'Making Dreams Come True' is written in a dark blue, elegant script font.

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

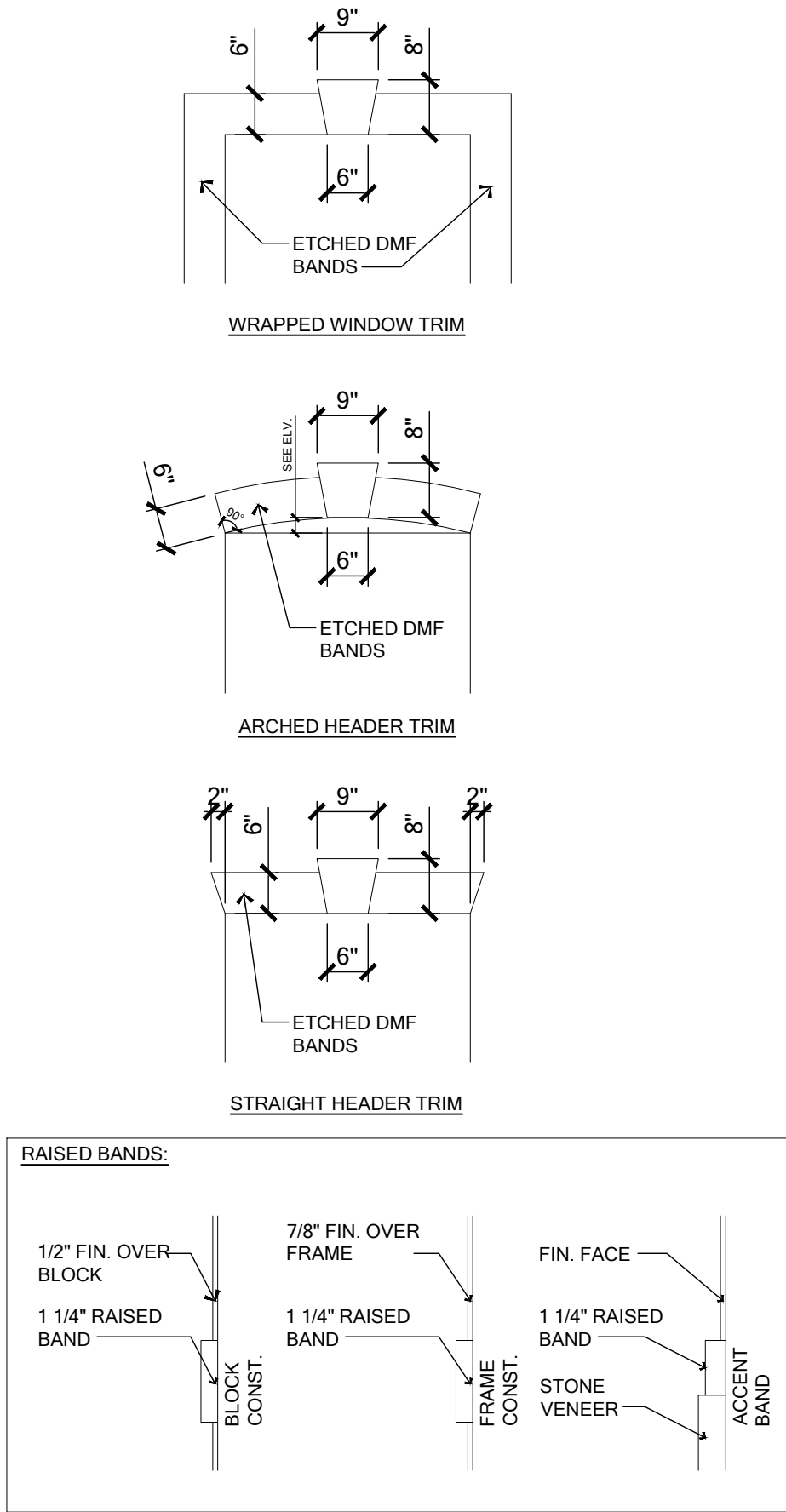
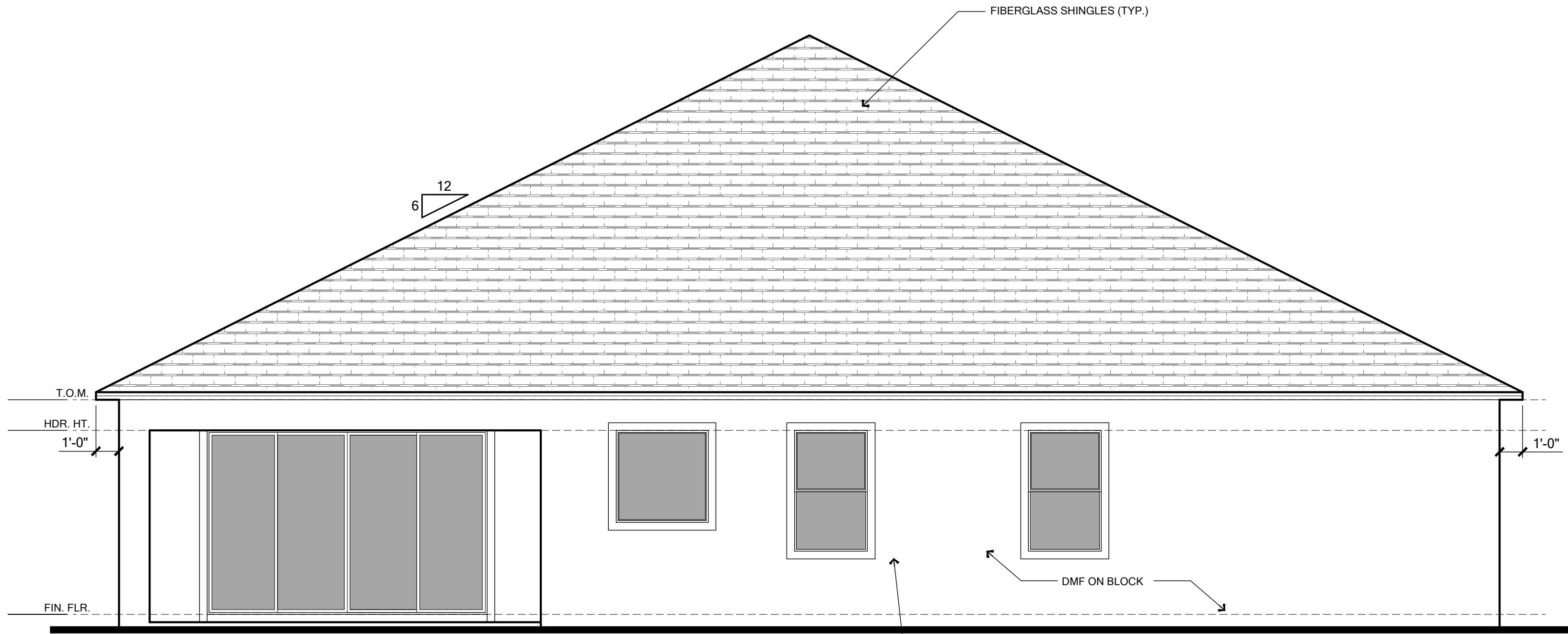
100% Employee Owned
myTSGhome.com

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

Community: Forest Cove		Garage Side: Left	
Plan Name: Sienna	Elev - A	Block: Lot 8	Renaissance Series Job No: 9FC00801
Reference No: 25-04307		Address: TBD SW Cadence Glen Lake City, FL 32024	

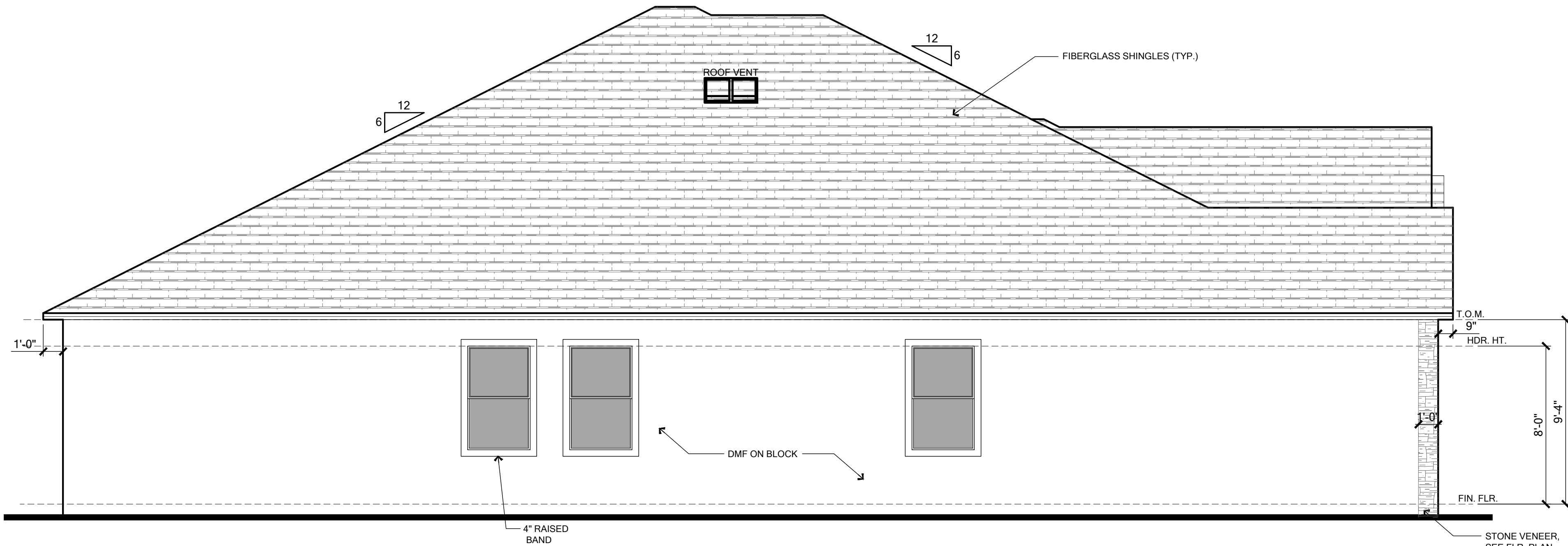
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ELEVATIONS



REAR 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 x1-1/2" long (3/4"-1" crown) staples @ 6" O.C. vertically/horizontally into the framing members. Masonry Application: Concrete stud 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 E2568 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 C1261, AAMA 912, 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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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 vented soffit required	SQ. FT. of vented soffit needed	LF of vented soffit provided	SQ. IN. of vented soffit required	SQ. FT. of vented soffit needed	SQ. IN. of ventilation to be provided by upper ventilators
FIRST FLOOR PLAN	4115	3950.4	265.1	270	1975.2	66.3	987.6

VENTILATION PROVIDED		
	Amt.	Total Ventilation Provided (Sq Inches)
Off-Ridge Vent (1st Floor)	2	280
Off-Ridge Vent @ Opt. 3 Car Side Load Gar.	2	280
Total Ventilation Provided by Upper Ventilators		280
1/150 Rule used; Off-Ridge Vents not part of Calculations		

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CA No. 9161 AA26003115



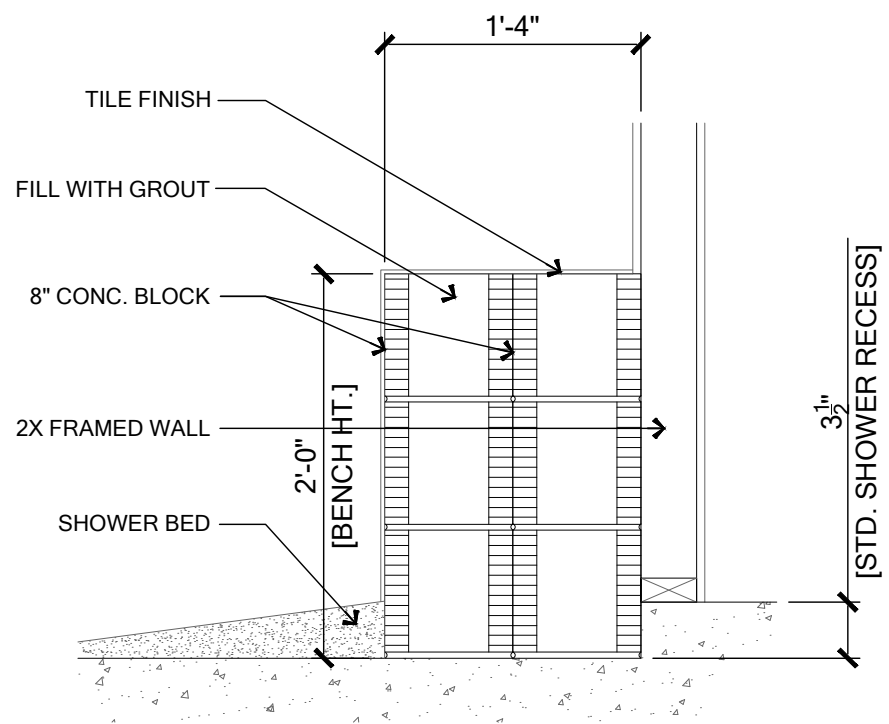
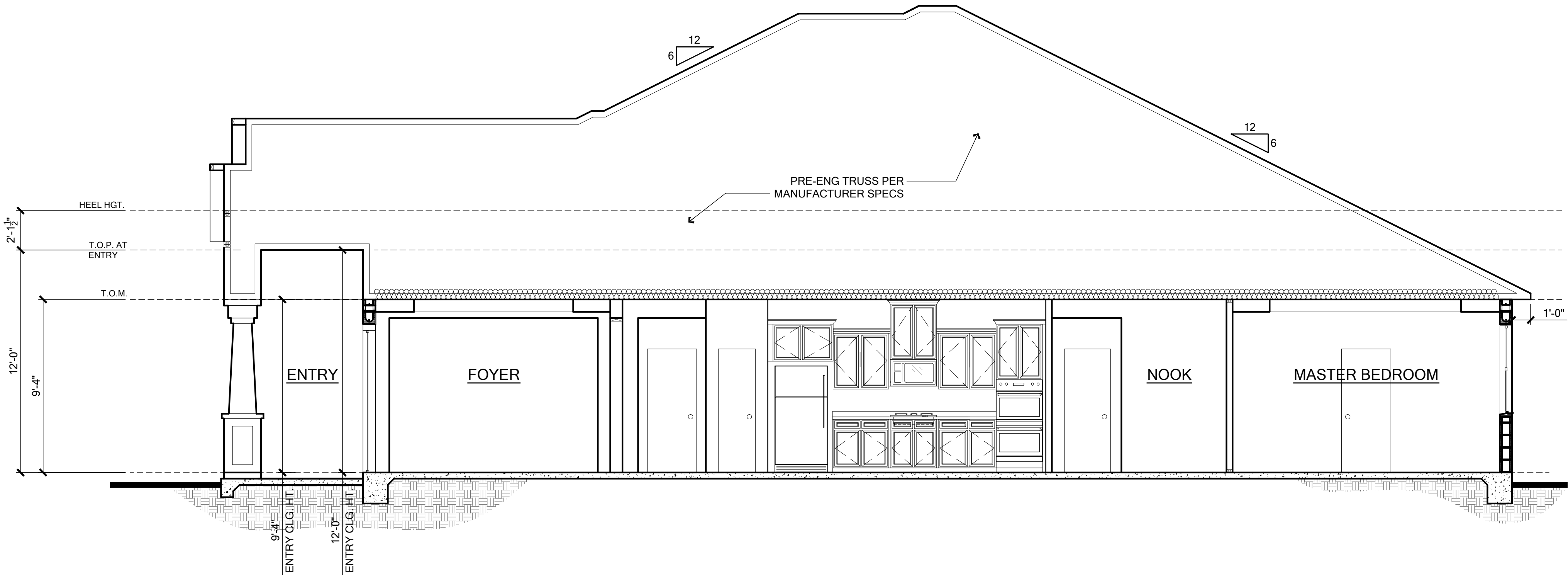
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258 Southhall Lane, Suite 200
Maitland, Florida, 32751
(407) 880 2333

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

Community:	Forest Cove		Garage Side:	Left
	Plan Name:	Sienna	Elev - A	
	Lot:	8	Block:	
	Address:	TBD SW Cadence Glen Lake City, FL 32024		
	Job no.	9FC00801	Renaissance Series	
Reference No.	25-04307			
Sheet:				

ELEVATIONS



SHOWER BENCH DETAIL B
SCALE: 1/2" = 1'-0" 5.0

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 (2022) 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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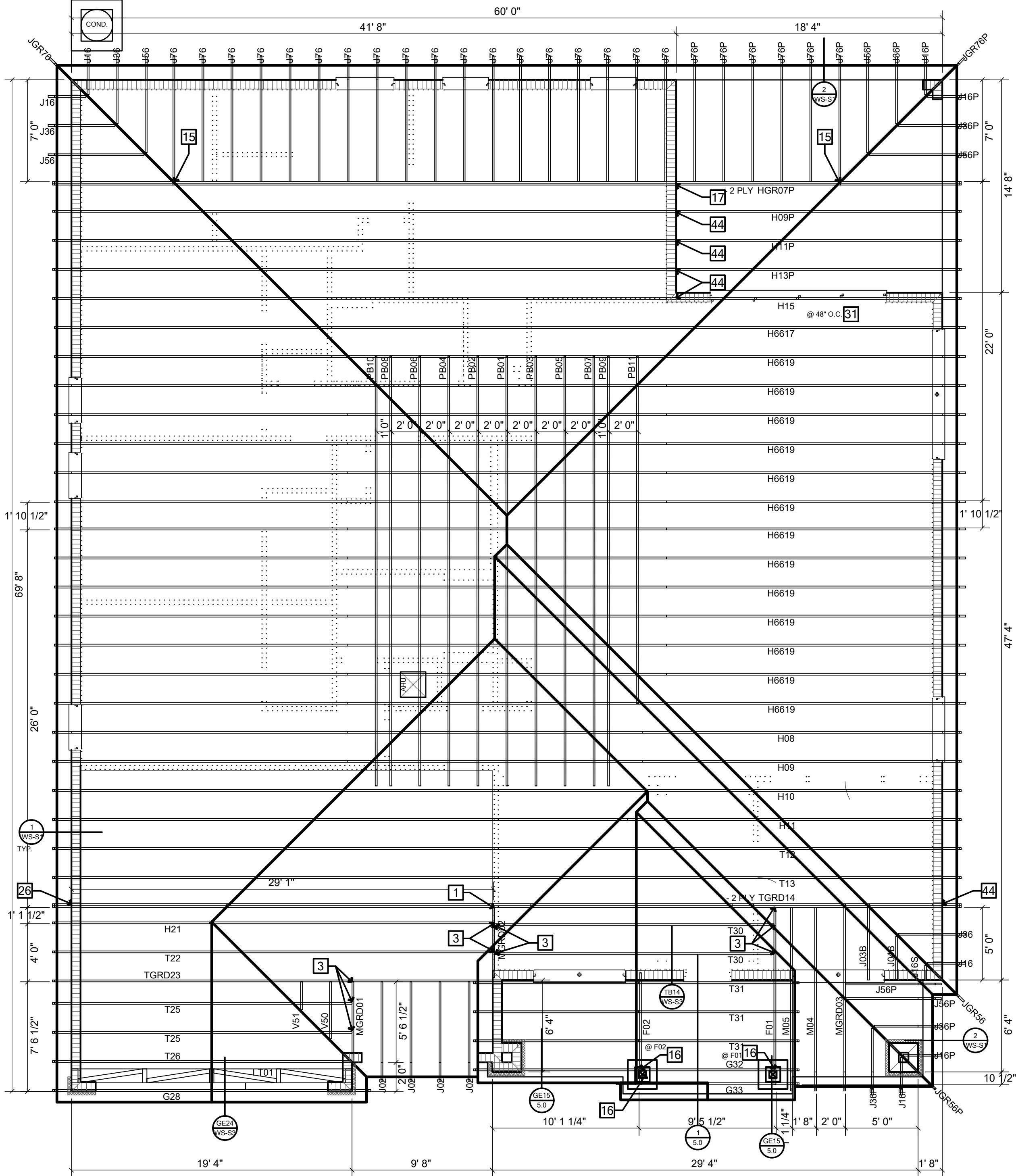
Community: Forest Cove	Garage Side:	Left
	Elev - A	
Plan Name:	Sienna	
Lot:	8	Block:
Address:	TBD SW Cadence Glen Lake City, FL 32024	
Job no:	9FC00801	Renaissance Series

Reference No: 25-04307

Sheet: **5.0**

A **BUILDING SECTION**
SCALE: 1/4" = 1'-0" 5.0

BLDG. SECTION



WIND SPEED (ULTIMATE)

140 MPH

WIND SPEED (ALLOWABLE)

108 MPH

EXPOSURE CATEGORY

B

EFFECTIVE WIND AREA (SQ FEET)

10

WIND PRESSURE AND SUCTION (PSF)

(-) VALUE DENOTES SUCTION

AREA

ROOF

2

3

10

GABLE

-26.60

-36.75

-36.75

-45.12

-53.58

ROOF NAILING SCHEDULE/NAILING ZONES (SHINGLE AND TILE)

ZONE 1: ASTM F1667 RSR-S1 (8d) NAILS @ 6" O.C. ON EDGE & 6" O.C. IN FIELD

ZONE 2: ASTM F1667 RSR-S1 (8d) NAILS @ 4" O.C. ON EDGE & 4" O.C. IN FIELD

ZONE 3: ASTM F1667 RSR-S1 (8d) NAILS @ 4" O.C. ON EDGE & 4" O.C. IN FIELD

ROOF SHEATHING

SHINGLE/METAL: 7/16" STRUCT 1 ZIP ROOF SYSTEM

TILE: 15/32" STRUCT 1 ZIP ROOF SYSTEM

NOTE:

1. PER CODE ASTM F1667 RSR-S1 REFERENCE TO 8d (2 3/4" x 0.113") NAILS

2. WHERE THE SHEATHING THICKNESS IS GREATER THAN 15/32", SHEATHING SHALL BE FASTENED WITH ASTM F1667 RSR-S1 10d (2" x 0.131") NAILS OR ASTM F1667 RSR-S1 4d (1" x 0.087") NAILS

3. GABLES: DROP GABLE END & (1) ADDITIONAL DROPPED TRUSS 2x4 #2 SYP OUTLOOKER RAFTER W/ BLOCKING @ 16" O.C. IF NO DROPPED GABLE END, ATTACH 2x4 #2 SYP BLOCKING @ 16" O.C. FIRST 4 BAYS WITH (2) 12d NAILS EA. END. ATTACH ROOF SHEATHING TO RAFTERS W/ BLOCKING PER NAILING SCHEDULE

• IN ACCORDANCE WITH FBC RESIDENTIAL SECTION R301.1.3 ENGINEERED DESIGN, WE CONFIRM THAT THE PLYWOOD SHEATHING DESIGN IS ADEQUATE FOR THIS PROJECT AND CAN BE UTILIZED IN PLACE OF THE CODE PRESCRIPTIVE TABLE R803.2.2

• WE HAVE REVIEWED THE ROOF SHEATHING REQUIREMENTS FOR THIS PROJECT IN ACCORDANCE WITH THE ASCE 7.2.2 WIND SPEED AND EXPOSURE CATEGORY DEFINED IN THE STRUCTURAL DOCUMENTS. WE APPROVE AND CERTIFY THE SHEATHING INDICATED ON THE PLAN TO BE ADEQUATE TO SUPPORT THE WIND LOADS FOR THIS ROOF.

• ENGINEERED DESIGN CALCULATIONS HAVE BEEN PERFORMED FOR USE IN AREAS NOT EXCEEDING THE WIND SPEED AND EXPOSURE OF 150 MPH, EXP. 'C'. IF THE WIND SPEED DESIGN EXCEEDS 150 MPH THE TABLE R803.2.2 WILL BE REFERENCED. THE NAILING LISTED IN THE RSH CHART HAS BEEN VERIFIED TO MEET OR EXCEED THE NAIL SIZE AND SPACING REQUIREMENTS LISTED IN TABLE R803.2.3.1.

HP ROOF > 20 TO 27 DEG

HP ROOF > 20 TO 27 DEG

GABLE ROOF > 20 TO 27 DEG

GABLE ROOF > 20 TO 27 DEG

TYPICAL TRUSS STRAPS

U.N.O. ON ROOF FRAMING PLAN

- TRUSS TO WOOD FRAMING: (1) 6" LG. TRUSS SCREW w/(2) 10d TOENAILS (SEE NOTE 18/WS-S1)

- TRUSS TO MASONRY: (1) HTA 20

FLOOR TRUSS

DRAFTSTOPPING R302.12 - CONTRACTOR SHALL DIVIDE CONCEALED FLOOR SPACE EQUALLY SO THAT SPACE DOES NOT EXCEED 1000 SQ. FT. USING 7/16" OSB PLYWOOD, LOCATED BETWEEN THE CONCEALED FLOOR SPACES.

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.

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.

USP HARDWARE 160% 61ST EDITION CATALOG				REV FOR 8TH EDITION FLORIDA 2022	
MARK	PRODUCT CODE	REF. NO.	FASTENERS	UPLIFT	ROOF 115% 2022
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
3	JUS 26	LUS26	HEADER: (4) 16d TRUSS: (4) 16d	1050	1000
12	THD 28-2	HTU28-2	HEADER: (28) 16d TRUSS: (16) 16d X 1-1/2"	2595	4860
13	THDH 28-3	HGU28-3	HEADER: (28) 16d TRUSS: (12) 16d X 1-1/2"	4345	8175
14	THD 48	HHU548	HEADER: (28) 16d TRUSS: (16) 16d X 1-1/2"	2895	4590
15	HJC26	THUJ26	HP: (8) 16d HEADER: (16) 16d JACK: (7) 10d	2345	3095
28	HJC26 - SK60	LTHU26, THUJ26, THUJ28	HP: (8) 16d HEADER: (16) 16d JACK: (7) 10d	2345	3095
60	HUS179	HUS18119	HEADER: (28) 16d TRUSS: (16) 16d	4110	6040
71	HD410	HU410	SOLID POUR CMU: (20) 3/16 X 1-3/4" FRAME: (20) 16d JOIST/BEAM: (10) 16d	1950	3475
72	THD210-3	HRUS210-3	HEADER: (28) 16d TRUSS: (20) 16d	4035	7255
73	HD48 IF	HU48	SOLID POUR CMU: (14) 3/16 X 1-3/4" FRAME: (14) 16d JOIST/BEAM: (10) 16d	2430	1170
74	HD410 IF	HU410	SOLID POUR CMU: (20) 3/16 X 1-3/4" FRAME: (20) 16d JOIST/BEAM: (10) 16d	3475	1950
75	LGUM410-SDS	LGUM410-SDS	SOLID POUR CMU: (8) 3/4 X 4" JOIST/BEAM: (8) WS3 SCREWS	3350	9905
76	HD28-2 IF	HU28-2	SOLID POUR CMU: (14) 3/16 X 1-3/4" JOIST/BEAM: (14) 16d	1170	2430
CONNECTORS FOR TRUSS TO WALL					
N	16d NAILS - (2) TOP CHORD NAILS / (2) BOTTOM CHORD NAILS				
1"	8" LONG TRUSS SCREW	FMFF006	FASTEN MASTER FRAMEFAST	950	NA
(2) 6" LONG TRUSS SCREW	FMFF006	FASTEN MASTER FRAMEFAST	1425	NA	
16	(2) MTW12	MTS12	(28) 16d	2370	
17	(2) MGT 15	(2) MGT	CMU: (28) 16d (1) 5/8" THREADED ROD 12" EMBED.		
18	(2) RT16-2	(2) H10-2	PLATE: (16) 8d TRUSS: (16) 16d PHDAA W/ (16) WS3 SCREWS & (1) 5/8" THREADED ROD	6480	
19	(2) MST424	(2) MST424	(16) 16d	3280	
20	RTBA	H8	PLATE: (5) 16d X 1-1/2" TRUSS: (5) 16d X 1-1/2"	750	
22	FA3	MA5	TOP: (4) 16d X 1-1/2" SIDE: (2) 16d X 1-1/2"	1350	
23	HTA20	HETA20	(20) 16d X 1-1/2"	1870	
26	(2) HTA20	(2) HETA20	(20) 16d X 1-1/2"	2430	
27	HTW24	HTS24	(20) 16d	1350	
31	LPTA	LTA2	(16) 16d X 1-1/2" FACE OF GABLE W/2x4	1470	
33	LTW12	LTS12	(12) 16d	625	
35	KST227	MS727	(24) 16d NAILS (4) 1/2 BOLT	4215	2190
36	LSTA24	LSTA24	(16) 16d NAILS	1235	
37	MSTA12	MSTA12	(16) 16d	935	
38	MSTA18	MSTA18	(14) 16d	1310	
39	MSTA24	MSTA24	(12) 16d	1640	
40	MSTA30	MSTA30	(22) 16d	2065	
41	MTW12	MTS12	(14) 16d	1185	
43	MSTAM36	MSTAM36	CONCRETE/CMU: (8) 1/4" X 2-1/4" TAPCON FRAME: (13) 16d	1945	TENSION
44	MUGT 15	MGT	CMU: (28) 16d (1) 5/8" THREADED ROD 12" EMBED.	4240	
46	MSTC40	MSTC40	FRAME: (28) 16d PHDAA W/ (16) WS3 SCREWS & (1) 5/8" THREADED ROD	2690	2725
47	MSTC60	MSTC60	CONCRETE/CMU: (14) 1/4" X 2-1/4" TAPCON FRAME: (20) 16d OR (20) 16d	3665	TENSION
48	RT16A	H10A, H14	PLATE: (8) 8d TRUSS: (8) 16d X 1-1/2"	1025	
49	UPH08	HDQ8-S08	(1) 7/8" THREADED ROD, 8" EPOXY EMBED. (2) WS3 SCREWS	9165	
50	DTB-TZ	DTTZZ	(1) 1/2" X 4" HD SCREW (PHD1411680) (2) WS18-EXT SCREWS	1835	TENSION
51	PAU66	ABU44	(1) 5/8" X 8" HD SCREW (PHD1411680) (12) 16d NAILS OR (2) 1/2 BOLT	2465 - NAILS 2285 - BOLT 19	
53	PAU44	ABU44	(1) 5/8" X 8" HD SCREW (PHD1411680) (12) 16d NAILS OR (2) 1/2 BOLT	2335 - NAILS 2285 - BOLT 19	
54	PHD8	HDU8-SDS2	(1) 7/8" THREADED ROD, 8" EPOXY EMBED. (24) WS3 WOOD SCREWS	9185	
55	PHD4A	HDU4-SDS2	STRAP: (16) WS3 WOOD SCREWS CMU: 5/8" THREADED ROD, 8" EPOXY EMBED (24) WS3 WOOD SCREWS (PHD1411680)	9215	
56	HGAM10KT	HGAM10KTA	RAFTER/TRUSS: (4) WS15 CMU BEAM: (4) 1/4 X 1-3/4" TAPCON	860	
57	LUGT4	LGTA-SDS2	FRM: (2) 16d SINKER CMU: (4) 3/8" X 5" TAPCON TOP PLATE: (5) 16d SINKER TRUSS: (16) WS3 SCREW	4725	
58	PHD2A	HDU2-SDS2	STRAP: (6) WS3 WOOD SCREWS CMU: 5/8" THREADED ROD, 8" EPOXY EMBED (24) WS3 WOOD SCREWS (PHD1411680)	3215	
59	KST219	STG215	(20) 16d	2855	
64	HGA10KT	HGA10KTA	RAFTER/TRUSS: (4) WS15 TOP PLATE: (4) WS3	790	
65	LUGT2	LGTA2	STRAP: (16) 16d TOP PLATE: (2) 16d	2030	
66	(2) LUGT2	(2) LGTA2	STRAP: (16) 16d TOP PLATE: (2) 16d	4040	
67	LUGT3	LGTA3-SDS2	FRM: (24) 16d SINKER CMU: (4) 3/8" X 5" TAPCON TOP PLATE: (4) 16d SINKER TRUSS: (12) WS3 SCREW	3500	
69	HTT45	HTTA, HTTS	STRAP: (28) 16d W/ (28) 16d CMU: 5/8" THREADED ROD, 12" EPOXY EMBED (5/8" X 8" HD SCREW (PHD1411680)	5795	

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CA No. 9161 AA26003115

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) 302-9871

Forest Cove

Sienna

Garage Side: Left

Elev - A

Block:

Address: TBD SW Cadence Glen Lake City, FL 32024

Ref No: 25-04307

Sheet: 6.0

FRAMING PLAN

Community:

Forest Cove

Sienna

Garage Side: Left

Elev - A

Block:

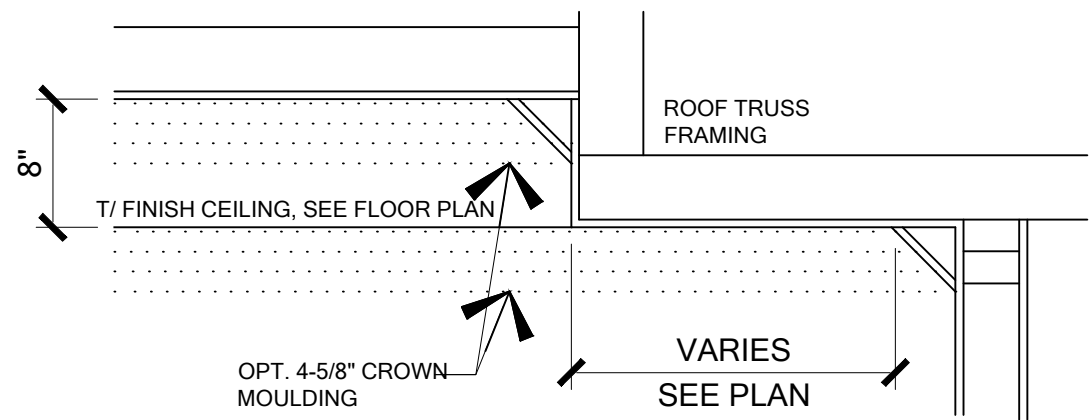
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Ref No: 25-04307

Sheet: 6.0

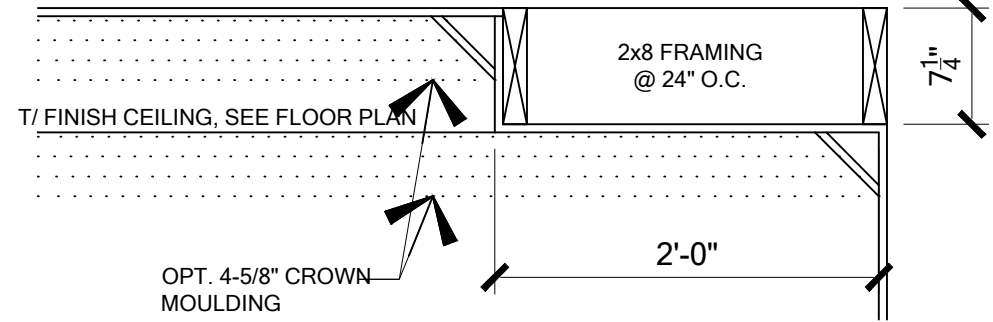
FRAMING PLAN

POP-UP ROOF TRUSS TRAY CEILING



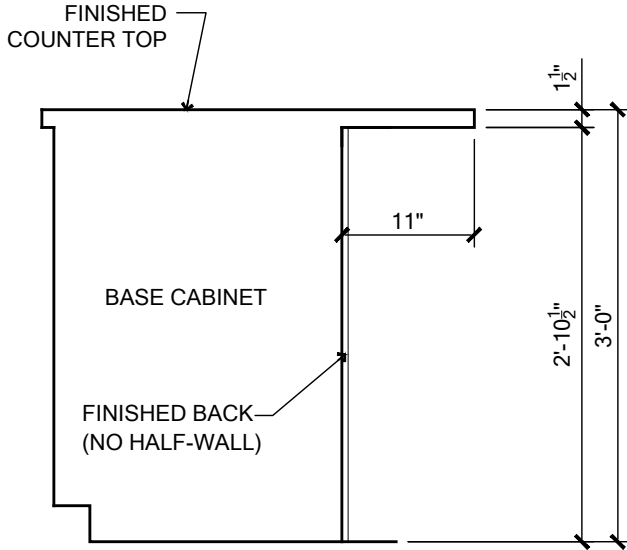
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DROP DOWN TRAY CEILING



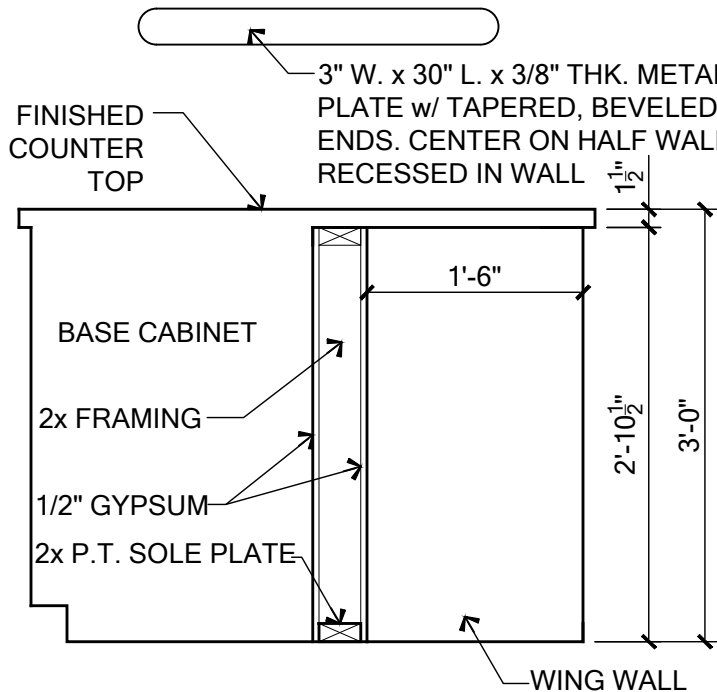
SCALE: 1" = 1'- 0"

FLOW-THRU BAR SECTION
w/ FINISHED BACK



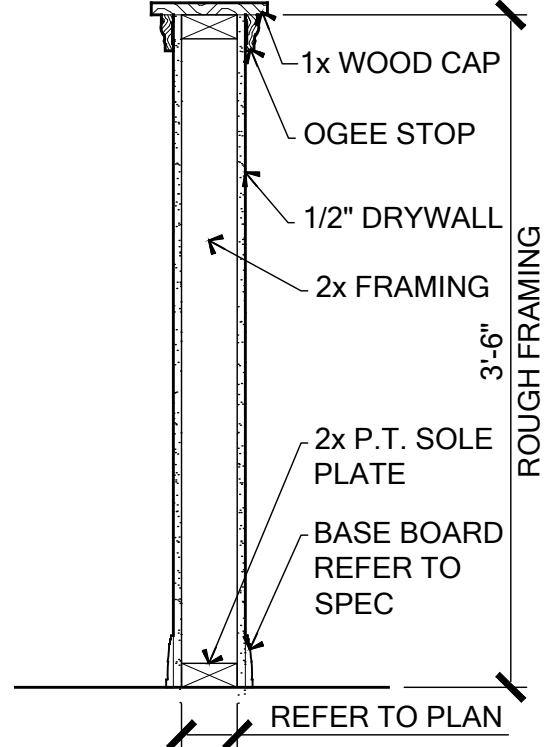
SCALE: 3/4" = 1'- 0"

FLOW-THRU BAR SECTION
w/ HALF WALL

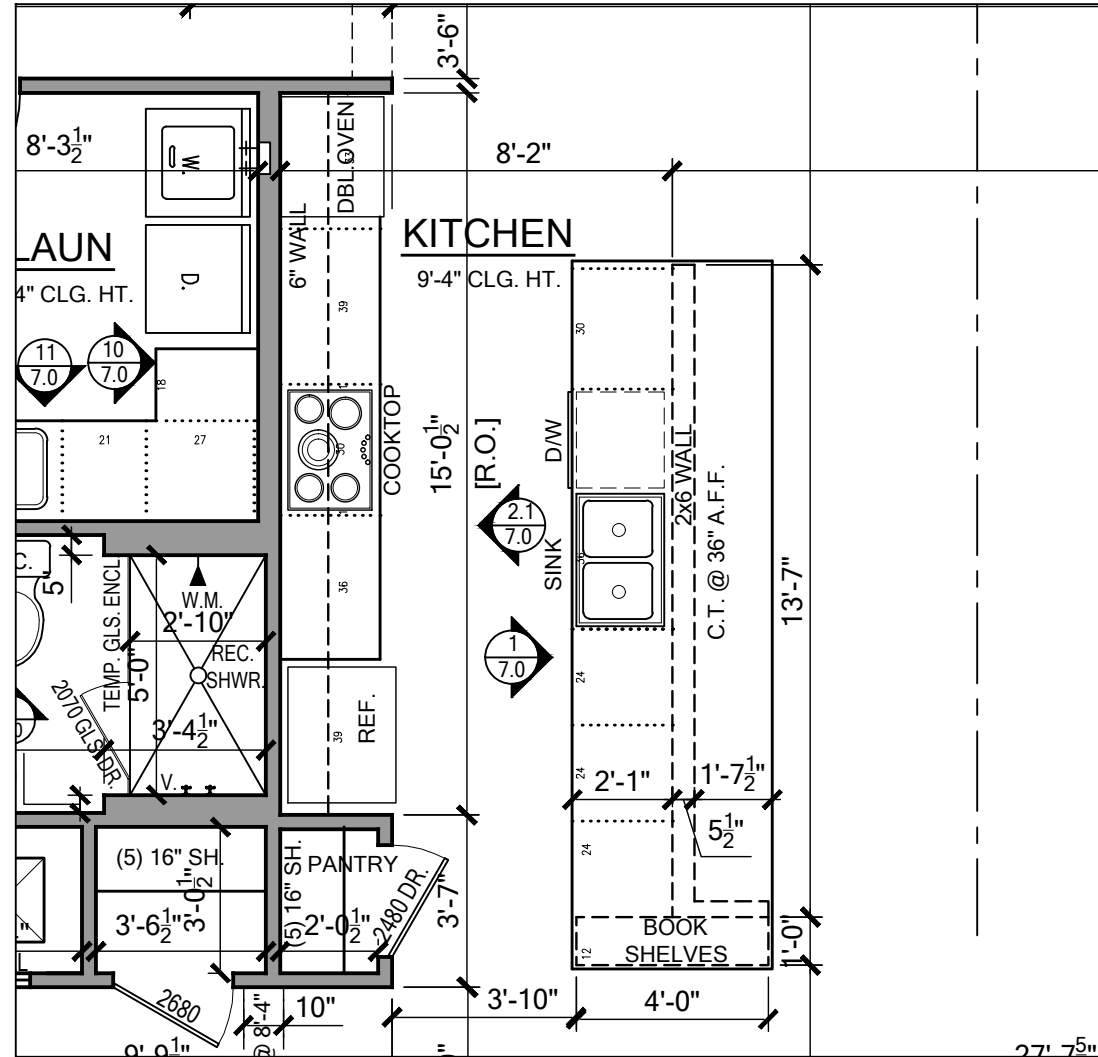


SCALE: 3/4" = 1'- 0"

TYPICAL HALF-WALL



SCALE: 1" = 1'- 0"



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

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Community: Forest Cove

Plan Name: Sienna

Garage Side: Left

Lot: 8

Block:

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City: Lake City, FL 32024

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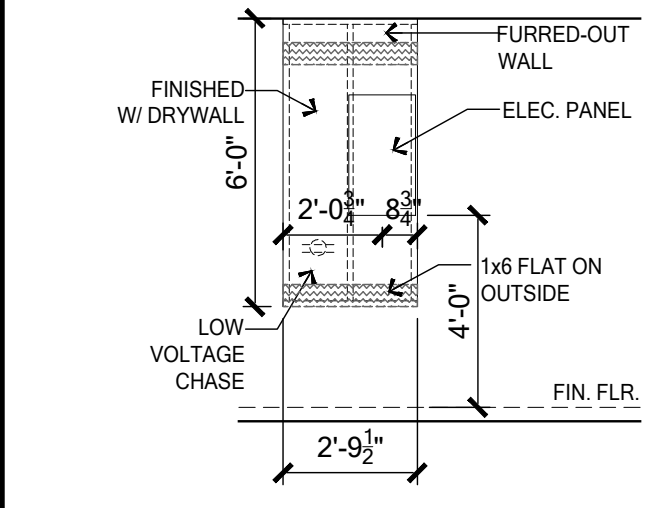
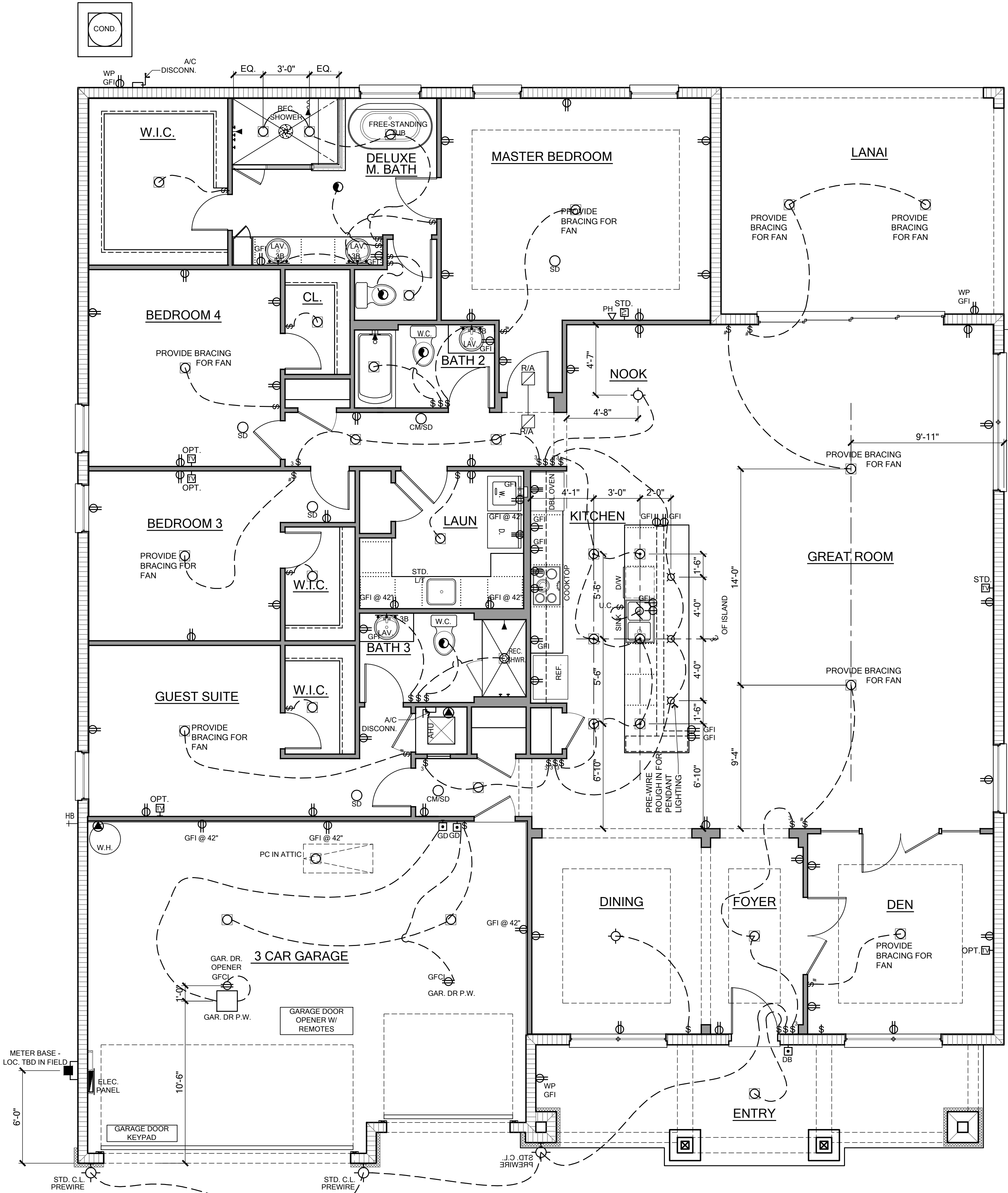
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9FC00801

Renaissance Series

7.0

INTERIOR ELEV



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

ELECTRICAL LEGEND			
POWER SYMBOLS			
	WP	WEATHER PROOF	
	VP	VAPOR PROOF	
	GFI	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

8/16 METER/MAIN COMBO 150 OR 200 AMP OVERHEAD OR UNDERGROUND

TYPE 2 SPD LOCATED IN PANEL

A/C DISCONNECT

BRANCH CIRCUITS COPPER-CLAD ALUMINUM

TYPICAL ELECTRICAL PANEL

150 = #1 Copper or 2/0 Aluminum

200 = 2/0 Copper or 4/0 Aluminum in 2" Conduit.

WP / GFI (TUG) RECEPTACLE FOR TEMPORARY POWER (AS NEEDED)

#6 CU PER NEC 2020 250-94 INTERSYSTEM BONDING TERMINAL INTERSYSTEM BONDING TERMINATION PER NEC 2020, 250.94 IN GROUNDING WIRE WITH CODE APPROVED CLAMP PER 250.50 AND 250.52 OF THE 2020 NEC.

NOTE: ELECTRICAL MATERIAL AND INSTALLATIONS SHALL COMPLY WITH APPLICABLE PROVISIONS OF THE NFPA 70, LOCAL CODES AND LOCAL POWER/UTILITY COMPANY

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.
- 44" AFF GFIs AT Front Entry 24" AFF
- 39" AFF Door Bell Push Button 44" AFF
- Bathroom 36" AFF Thermostat 60" AFF
- Laundry Room 12" AFF To Chandelier Bottom 66" AFF
- Exterior Waterproof 42" AFF Microwave Outlet 80" AFF
- Garage General Purpose 2" AFF Vented Hood 80" AFF
- Range 2" AFF
- All trim plates and devices to be ganged, where possible.
- Electrical switches to be at 42" centerline above finished floor.
- Electrical plan 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.

Community: Forest Cove

Plan Name: Sienna

Garage Side: Elev - A Left

Block: Lot: 8

Address: TBD SW Cadence Glen Lake City, FL 32024

Job no: 9FC0801

Reference No: 25-04307

Sheet: 8.0

ELECTRICAL

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ELECTRICAL

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 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:

- 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.
- 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 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.

GENERAL STRUCTURAL NOTES

CAST IN PLACE REINFORCED CONCRETE

- 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 0.63.
- HOOKS SHALL BE PROVIDED AT DISCONTINUOUS ENDS OF ALL TOP BARS OF BEAMS.
- HORIZONTAL FOOTING BARS SHALL BE BENT 25° AROUND CORNERS OR CORNER BARS WITH A 25" LAP PROVIDED EA. WAY.
- CONCRETE COVER MIN. 3" WHEN EXPOSED TO EARTH OR 1 1/2" TO FORM U.N.O.
- WELDED WIRE FABRIC SHALL CONFORM TO ASTM A1064/A 1064M. 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.
- ALL REINFORCING STEEL, S'IRRUPS 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, 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 TIE TO FOOTING REINFORCING. SPLICES IN REINFORCING WHERE PERMITTED SHALL BE AS PER DETAIL MS05/ 2.0.
- 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.
- 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.

MASONRY

- HOLLOW LOAD BEARING UNITS SHALL BE NORMAL WEIGHT, GRADE N, TYPE 2, CONFORMING TO ASTM C90-14, WITH A MINIMUM NET COMPRESSIVE STRENGTH OF 2000 PSI (f_m = 2000 PSI)
- MORTAR SHALL BE TYPE "S", CONFORMING TO ASTM C270-14a.
- COARSE GROUT SHALL CONFORM TO ASTM C476-10 WITH A MAXIMUM AGGREGATE SIZE OF 3/8" AND A MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS OF 3000 PSI SLUMP 9" TO 11". CONTINUOUS MASONRY INSPECTIONS ARE REQUIRED DURING CONSTRUCTION.
- GRADE 60 U.N.O. VERTICAL REINFORCEMENT SHALL BE AS NOTED ON THE DRAWINGS WITH THE CELLS FILLED WITH COARSE GROUT.
- REINFORCING STEEL SHALL BE LAPPED PER DETAIL MS05/2.0, UNLESS OTHERWISE NOTED ON THE DRAWINGS.
- GROUT STOPS SHALL BE PROVIDED BELOW BOND BEAM, PLASTIC SCREEN, METAL LATH STRIP OR CAVITY CAPS MAY BE USED TO PREVENT THE FLOW OF GROUT INTO CELLS BELOW. THE USE OF FELT PAPER AS A STOP IS PROHIBITED.
- TEMPORARY BRACING AND SHORING OF WALL TO PROVIDE STABILITY DURING CONSTRUCTION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- TYPICAL FILLED CELL REINFORCING SIZE AND SPACING SHALL BE ABOVE AND BELOW ALL WALL OPENINGS.
- DO NOT APPLY UNIFORM LOADS TO MASONRY WALLS FOR (3) DAYS AND NO CONCENTRATED LOADS FOR (7) DAYS, PER CODE ACI 318-19.
- CONSOLIDATE GROUT POURS EXCEEDING 12" IN HEIGHT BY MECHANICAL VIBRATION, AND RECONSOLIDATE BY MECHANICAL VIBRATION AFTER INITIAL WATER LOSS AND SETTLEMENT HAS OCCURRED. CONSOLIDATION OR RECONSOLIDATION IS NOT REQUIRED FOR SELF-CONSOLIDATING GROUT. GROUT SHALL FINISH FLUSH WITH TOP OF WALL.

WOOD CONSTRUCTION

- ALL EXTERIOR WOOD STUD WALLS, BEARING WALLS, SHEAR WALLS AND MISC. STRUCTURAL WOOD FRAMING MEMBERS, (I.E. BLOCKING 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.
- 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. 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.
- 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.
- ALL EXPOSED WOOD OR WOOD IN CONTACT WITH EARTH OR CONCRETE TO BE PRESSURE TREATED.
- UNTREATED WOOD SHALL NOT BE IN DIRECT CONTACT WITH CONCRETE, OR MASONRY SEAT PLATES SHALL BE PROVIDED AT BEARING LOCATIONS WITHOUT WOODEN TOP PLATES.
- SEE PLAN FOR STUD PACK AND BEAM NAILING PATTERNS.
- 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.
- 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) (EXPOSURE1) MINIMUM OF 1/8" 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.
- 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

- 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 A325N U.N.O
- 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

- 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. SEE STRUCTURAL PLANS FOR MORE INFO.

GYPSPUM BOARD

- GYPSPUM BOARD MAY BE INSTALLED USING GWB54 NAILS TO SET IN PLACE. FIELD FASTENING SHOULD BE TYPE "W" 1 1/4" DRYWALL SCREWS @ 12" O.C. FOR CEILING AND 1 1/8" DRYWALL SCREWS @ 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.

PRE ENGINEERED WOOD TRUSSES

- ALL PREFABRICATED WOOD TRUSSES SHALL BE SECURELY FASTENED TO THEIR SUPPORTING WALLS OR BEAMS WITH HURRICANE CLIPS OR ANCHORS PER STRUCTURAL PLAN.
- PREFABRICATED WOOD TRUSSES SHALL BE DESIGNED IN ACCORDANCE WITH THE LATEST EDITION OF THE "NATIONAL DESIGN SPECIFICATION FOR STRESS-GRADE LUMBER AND ITS FASTENERS" AS RECOMMENDED BY THE NATIONAL FOREST PRODUCTS ASSOCIATION. TRUSS MEMBERS AND CONNECTIONS SHALL BE PROPORTIONED WITH A MAXIMUM ALLOWABLE STRESS INCREASE FOR LOAD DURATION OF 25%) TO WITHSTAND THE LIVE LOADS GIVEN IN THE NOTES AND TOTAL DEAD LOAD.
- BRIDGING FOR PRE-ENGINEERED TRUSSES SHALL BE AS REQUIRED BY THE TRUSS MANUFACTURER UNLESS NOTED ON THE PLANS.
- TRUSS ELEVATIONS AND SECTIONS ARE FOR GENERAL CONFIGURATION OF TRUSSES ONLY. WEB MEMBERS ARE NOT SHOWN, BUT SHALL BE DESIGNED BY THE TRUSS MANUFACTURER IN ACCORDANCE WITH THE FRAMING DESIGN LOADS.
- DESIGN SPECIFICATIONS FOR LIGHT WEIGHT METAL PLATE CONNECTED WOOD TRUSSES PER THE TRUSS PLATE INSTITUTE TPI LATEST EDITION.
- PRE-ENGINEERED WOOD TRUSSES SHALL BE DESIGNED BY THE MANUFACTURER IN ACCORDANCE WITH SPECIFIED LOADS AND GOVERNING CODES. SUBMITTALS SHALL INCLUDE TRUSS FRAMING PLANS AND DETAILS SHOWING MEMBER SIZES, BRACING, ANCHORAGE, CONNECTIONS, TRUSS LOCATIONS, AND PERMANENT BRACING AND/OR BRIDGING AS REQUIRED FOR ERECTION AND FOR THE PERMANENT STRUCTURE. EACH SUBMITTAL SHALL BE SIGNED AND SEALED BY A FLORIDA REGISTERED STRUCTURAL ENGINEER. SUBMIT 3 COPIES FOR REVIEW AND APPROVAL PRIOR TO FABRICATION.
- THE TRUSS MANUFACTURER SHALL DETERMINE ALL SPANS WORKING POINTS, BEARING POINTS, AND SIMILAR CONDITIONS. TRUSS SHOP DRAWINGS SHALL SHOW ALL TRUSSES, ALL BRACING MEMBERS, AND ALL TRUSS TO TRUSS HANGERS.

FIELD REPAIR NOTES

- MISSED "J" BOLTS FOR WOOD BEARING WALLS MAY BE SUBSTITUTED WITH 1/2" DIA. EPOXY ANCHORS w/ 7" EMBEDMENT. USP CIA-GEL 7000 EPOXY ADHESIVE BINDER FOLLOWING ALL MANUFACTURER'S RECOMMENDATIONS OR USP 1/2" SD WEDGE-BOLT WITH MINIMUM 6" EMBEDMENT. SEE PLAN FOR EMBEDMENT DEPTH AT FLOOR STEPS.
- FOR MISSED VERT. DOWELS, DRILL A 3/4" DIAMETER HOLE 6" DEEP AT THE LOCATION OF THE OMITTED REBAR AND INSTALL A 32" LONG #5 BAR INTO THE EPOXY FILLED HOLE. USE A TWO PART EMBEDMENT EPOXY (USP HIGH STRENGTH EPOXY-TIE ANCHORING ADHESIVE) MIXED PER THE MANUFACTURER'S INSTRUCTIONS. ASSURE THAT ALL DUST AND DEBRIS FROM DRILLING ARE REMOVED FROM THE HOLE BY BRUSHING AND USING COMPRESSED AIR PRIOR TO APPLYING THE EPOXY. ALLOW THE EPOXY TO CURE TO THE MANUFACTURER'S SPECIFICATIONS, THEN FILL THE CELL IN THE NORMAL WAY DURING BOND BEAM POUR.
- FOR MORTAR JOINTS LESS THAN 1/4", PROVIDE (1) #5 VERT. IN CONC. FILLED CELL EACH SIDE OF THE JOINT (BAR DOES NOT HAVE TO BE CONT. TO FOOTING).
- MISSED LINTEL STRAPS FOR MASONRY CONSTRUCTION MAY BE SUBSTITUTED WITH (1) USP HTWM16 TWIST STRAP W/ (4) 1/4" x 1 3/4" WEDGE-BOLTS OR TAPCONS TO MASONRY AND (8)-10d x 1 1/2" NAILS TO TRUSS FOR UPLIFTS LESS THAN 1225 LBS (USE (2) HTWM16 FOR UPLIFTS LESS THAN 2450#). IF CORNER STRAP IS MISSED CONTRACTOR TO INSTALL (2) USP HGAM10KT W/ (4) 1/4" x 1 1/2" WS15 WOOD SCREWS AND (4) 1/4" x 1 3/4" WEDGE-BOLTS ONE EACH SIDE OF TRUSS.
NO MORE THAN 10 STRAPS MAY BE SUBSTITUTED OR NO MORE THAN 3 IN A ROW WITHOUT APPROVAL FROM EOR. IF GIRDER TRUSS CONNECTIONS ARE MISSED, CONTACT THE EOR FOR SUBSTITUTION.
- IF MISSED, M2AM36 OR M2CM40 STRAP IS MISSED FOR 2ND FLOOR JAMB STUD CONNECTION, CONTRACTOR MAY INSTALL USP HTT5 W/ (28) 16d x 2 1/2" NAILS AND 5/8" ANCHOR BOLT SET IN USP HIGH STRENGTH EPOXY W/ MIN 6" EMBEDMENT AND MIN 3" EDGE DISTANCE. CONTACT EOR IF STRAPS ARE MISSED UNDER GIRDER JAMB STUD LOCATIONS.
- MISSED ROOF TIE DOWNS MAY BE SUBSTITUTED WITH (1) USP RT16A W/ (8) 8d x 1 1/2" NAILS AND (4) 3/16" DIA. X 1 3/4" TAPCONS FOR UPLIFTS LESS THAN 1380#.

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	16	16	16
TOP CHORD DL	7	7	15	25
BOTTOM CHORD LL*	0	0	0	0
BOTTOM CHORD DL	10	10	10	10
TOTAL (PSF)	33	33	41	51

BOTTOM CHORD LL (OPT)
ATTICS W/ LIMITED STORAGE
ATTICS W/ HEAVY STORAGE
* ATTICS W/ NO STORAGE (NON-CONCURRENT)

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

GENERAL FLOOR LOADING

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

SPECIAL FLOOR LOADING

GAME ROOM BALCONIES/DECKS BALCONIES OVER 100 SQ. FT. LIGHT STORAGE GUARDRAILS HANDRAILS(d) GUARDRAIL IN-FILL COMP.(f) STAIRS(g)	60(PSF) 40(PSF) 100(PSF) 125(PSF) 200(LBS)(h,i) 200(LBS)(h) 50(LBS)(i) 40 (PSF) 300(LBS)	LIBRARY READING ROOMS LIBRARY STACK ROOMS NON-SLEEPING ROOMS SLEEPING ROOMS HABITABLE ATTICS SERVED w/ FIXED STAIRS PASSENGER VEH. GAR.	60(PSF) 150(PSF) 40(PSF) 30(PSF) 30(PSF) 50(PSF) 2000(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 LL/180 LL/160 LL/360 LL/360 LL/480	TL/180 TL/120 TL/240 TL/240 TL/240	COMMENTS:
ROOF TRUSSES*			
ROOF RAFTERS			
ROOF RAFTERS (W/O CLG.)			
FLOOR TRUSSES/ BEAMS **			
FLOOR JOISTS***			

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

WIND LOADING CRITERIA 140B

WIND SPEED (ULTIMATE) WIND SPEED (ALLOWABLE) EXPOSURE CATEGORY BUILDING CATEGORY BUILDING TYPE ENCLOSURE CLASSIFICATION INTERNAL PRESSURE COEFFICIENT	140 MPH 108.0 MPH B II V ENCLOSED +/- 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:
- MULTIPLY BY 1.67 TO GET ULTIMATE WIND PRESSURES.
 - "z" = END ZONE IS ONLY W/IN 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.

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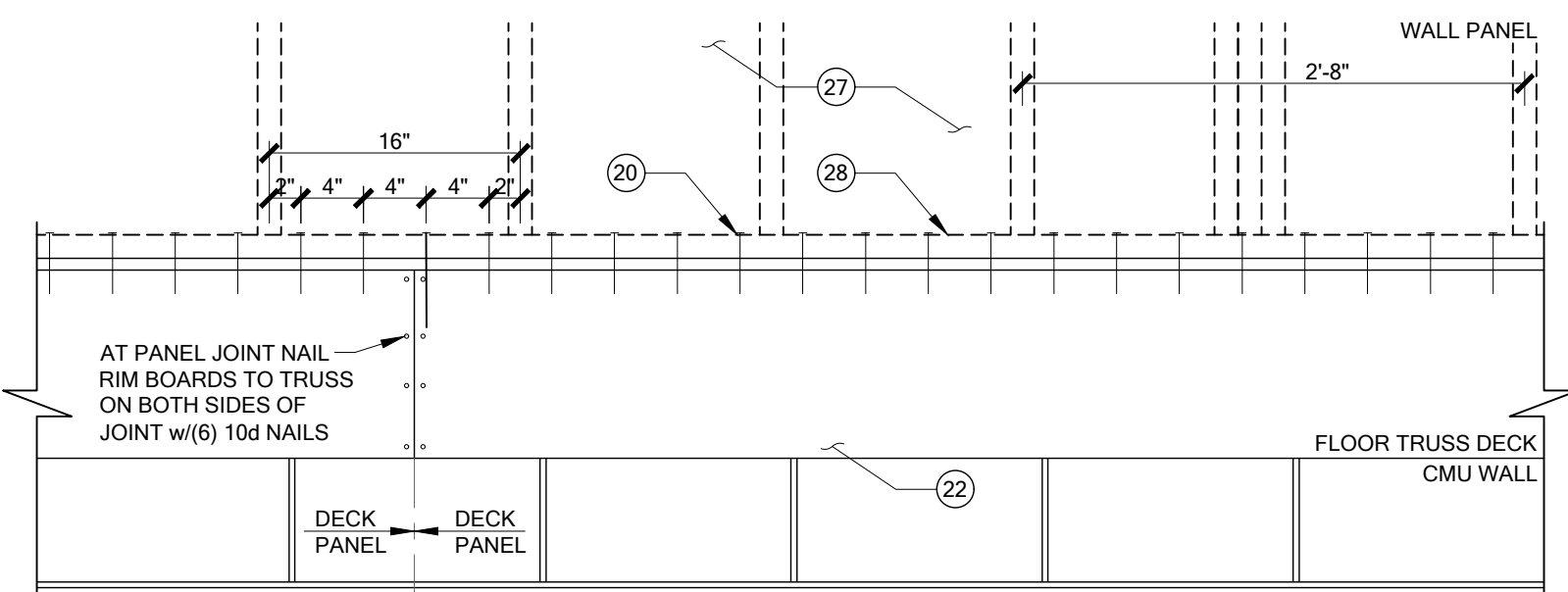
MARONDA *Home*
3999 West First Street
Sanford, FL 32771
(407) 902-9871

Community: Forest Cove	Garage Side: Left	Elev - A
Plan Name: Sienna	Block:	
Lot: 8	Address: TBD SW Cadence Glen Lake City, FL 32024	
Sub no: 9F-C00801	Renaissance Series	

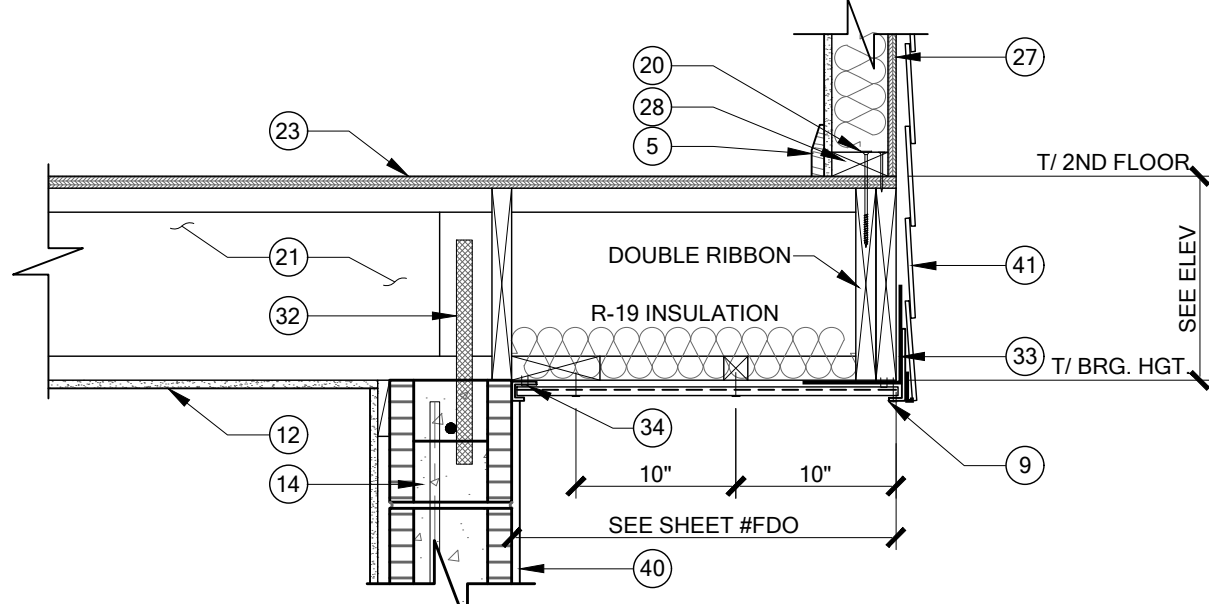
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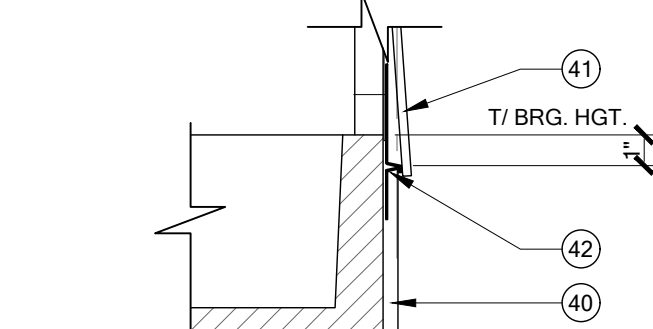
STRUCT NOTES



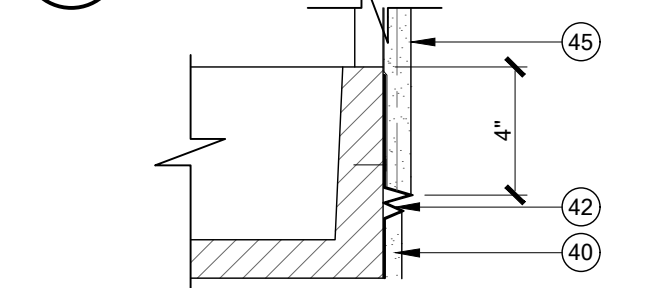
7 PARTIAL FLOOR TRUSS ELEVATION
SCALE: N.T.S



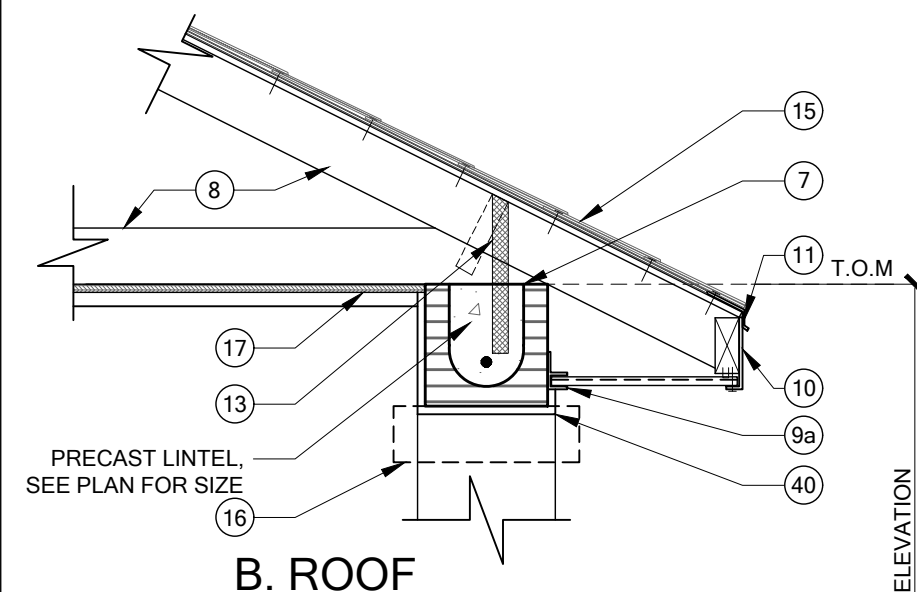
6 PARTIAL SECTION - FLOOR OVERHANG
SCALE: N.T.S



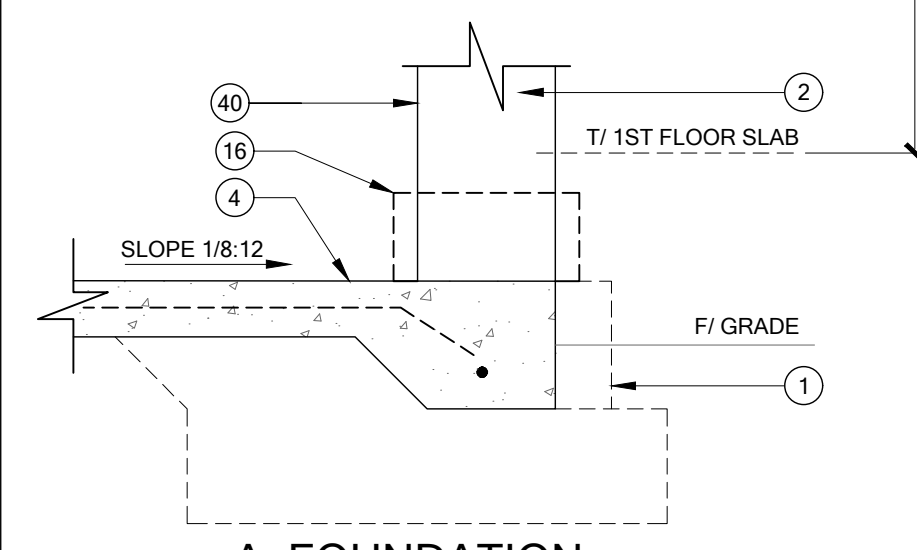
9 HORIZ. FRAME TO MASONRY JOINT
SCALE: N.T.S



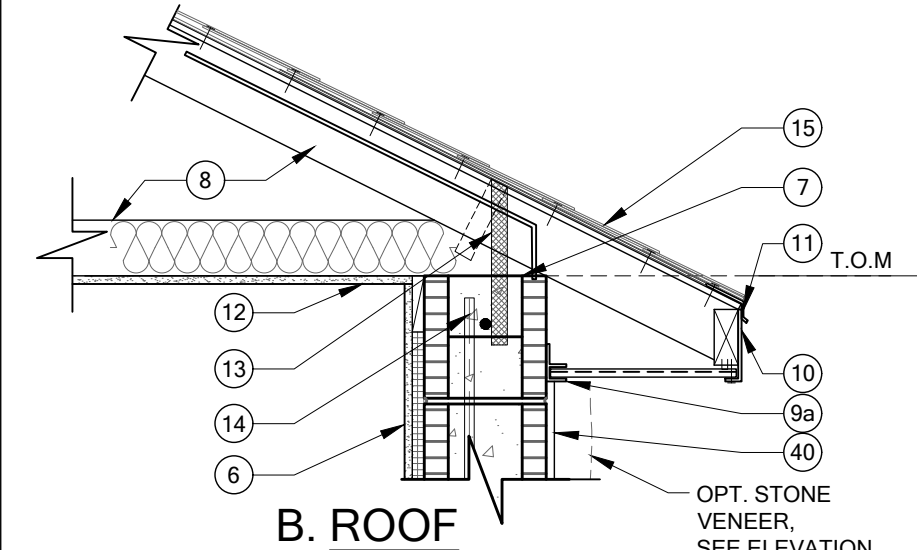
9A HORIZ. FRAME TO MASONRY JOINT
SCALE: N.T.S



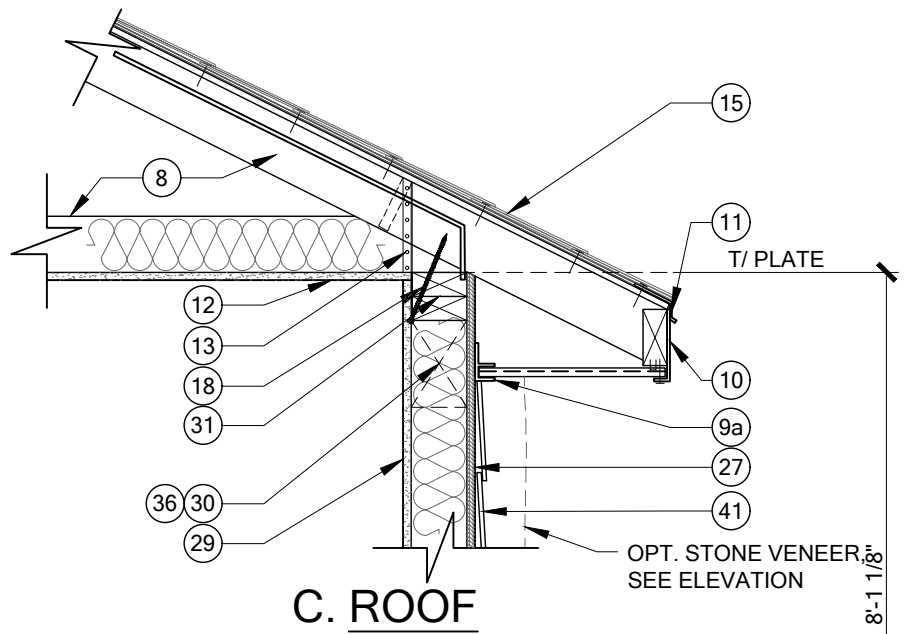
B. ROOF



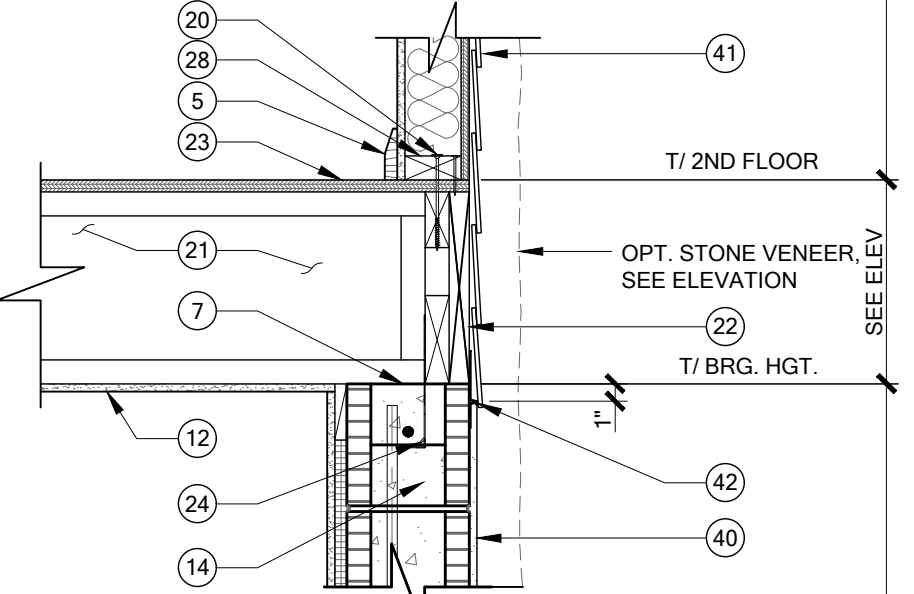
A. FOUNDATION
ONE STORY WALL SECTION - PORCH
SCALE: N.T.S



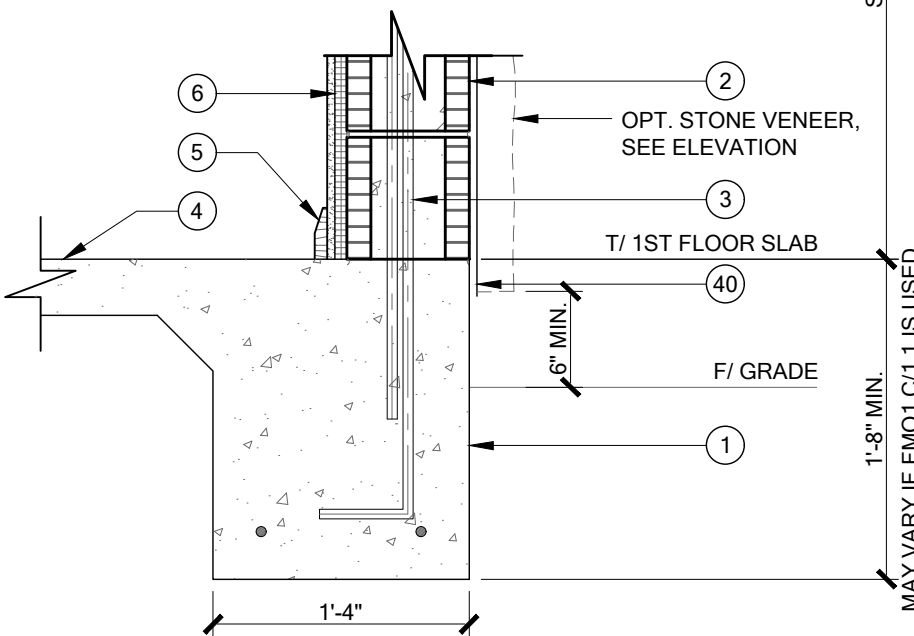
B. ROOF



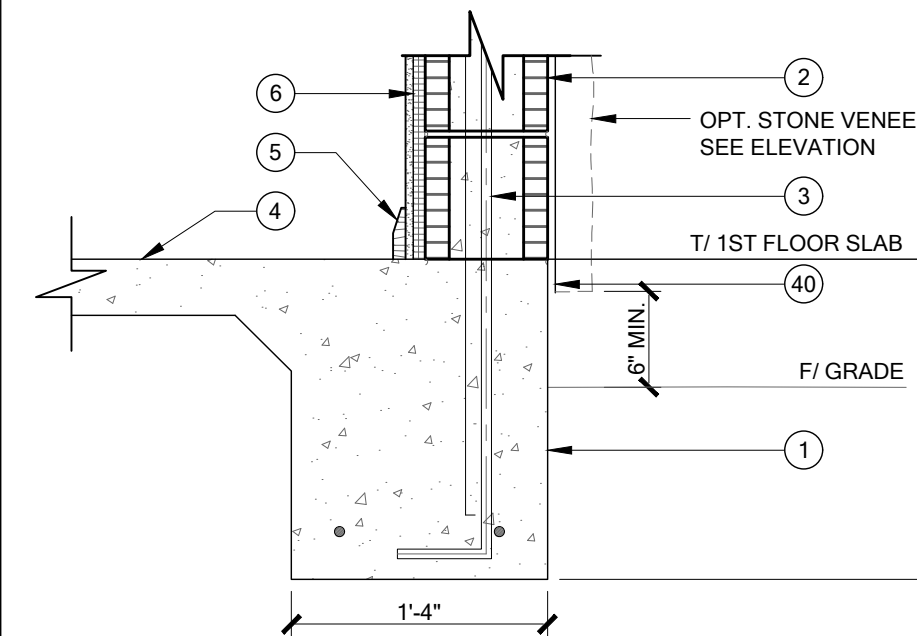
C. ROOF



B. 2ND FLOOR DECK



A. FOUNDATION
TWO STORY WALL SECTION - STANDARD
SCALE: N.T.S



A. FOUNDATION
ONE STORY WALL SECTION - STANDARD
SCALE: N.T.S

WALL SECTION KEY NOTES

1. MONOLITHIC FOUNDATION, SEE FOUNDATION PLAN.
2. 8" CONCRETE BLOCK WALL.
3. (1) #5 REBAR (GRADE 40) GROUTED SOLID IN A FILLED CELL, CONT. FROM FOOTING TO BOND BEAM w/ 25" LAP SPLICE.
4. CONCRETE SLAB.
5. WOOD BASE.
6. 1/2" DRYWALL ON 3/4" P.T. FURRING @ 24" O.C. w/ INSULATION PER FBC AND ENERGY FORM SUBMITTED WITH PERMIT APPLICATION.
7. SILL SEAL OR SELF-NAILING PLATES.
8. PRE-ENGINEERED ROOF TRUSSES @ 24" O.C., MAX. INSULATION PER FBC AND ENERGY FORM SUBMITTED WITH PERMIT APPLICATION w/ OPEN Baffle @ A/D SPACE LOCATIONS.
9. 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 LAP AND CENTER FLUTE. SUBSTRATE ATTACHMENT: J-CHANNEL: WOOD - ATTACH w/ 1/4" X 3/4" LEG STAPLE IN DIAMOND PATTERN @ 12" O.C.
- 9a. 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.
10. 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.
11. METAL DRIP EDGE.
12. 1/2" CEILING BOARD w/ INSULATION PER FBC AND ENERGY FORM SUBMITTED WITH PERMIT APPLICATION AS REQUIRED.
13. ROOF TRUSS ANCHORS, SEE FRAMING PLAN.
14. 8" CONCRETE BOND BEAM BLOCK w/ (1) #5 REBAR w/ STD. HOOK.
15. 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" 11-12GA. w/ 3/8" HEAD ROOFING THROUGH NAIL PER STRIP OR (2) PER INDIVIDUAL SHINGLE. ASPHALT SHINGLES FOLLOW MANUFACTURER INSTRUCTIONS FOR PRODUCT.
METAL ROOF OPTION: C&C ROOF PRESSURES MRH 30'
160/B HIP ZONE 1 = -36.4, ZONE 2 = -50.2, ZONE 3 = -50.2
GABLE ZONE 1 = -38.7, ZONE 2 = -61.7, ZONE 3 = -73.3
160/C HIP ZONE 1 = -51.8, ZONE 2 = -71.4, ZONE 3 = -71.4
GABLE ZONE 1 = -65.1, ZONE 2 = -87.8, ZONE 3 = -104.2
160/D HIP ZONE 1 = -61.7, ZONE 2 = -85.1, ZONE 3 = -85.1
GABLE ZONE 1 = -65.6, ZONE 2 = -104.6, ZONE 3 = -124.1
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
16. PIER BASE AND CAP TRIM, SEE EXTERIOR ELEVATIONS.
17. 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 2X4 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.
18. ALL ROOF TRUSSES SHALL BE TOENAILED w/ (2) 10d NAILS AND SHALL BE FASTENED TO WALL TOP PLATE w/ (1) FASTEN MASTER FRAMEFAST FMFF006 TRUSS SCREW INSTALLED PER MANUFACTURER RECOMMENDATIONS U.N.O. ON PLANS.
20. FASTEN MASTER FRAMEFAST FMFF006 SCREWS @ 4" O.C. MAX.
21. PRE-ENGINEERED WOOD I - JOIST OR FLOOR TRUSS @ 24" O.C., MAX. SEE SECOND FLOOR FRAMING PLAN.
22. WOOD RIM BOARD; FASTEN MULTIPLE PLY RIM BOARDS TOGETHER w/ (3) ROWS 8d NAILS @ 12" O.C.; SINGLE PLY FASTEN RIM BOARD TO TOP & BOTTOM RIBBONS w/8d NAILS @ 6" O.C. & FASTEN RIM BOARD TO EA. FLOOR TRUSS w/ (2) 8d NAILS.
23. 3/4" T&G WOOD DECKING GLUED AND ATTACHED w/ 8d X 2 1/2" SCREW SHANK NAIL @ 6" O.C. EDGES AND 12" O.C. FIELD OR 16GA. X 1 3/4" STAPLE @ 2" O.C. EDGES AND 4" O.C. FIELD. SEE SECOND FLOOR FRAMING SHEET, GLUE BETWEEN SHTG AND TRUSSES.
24. LPTA, ATTACH w/ (10) 10d X 1 1/2" NAILS, INTO INSIDE FACE OF RIM BOARDS. FOR LOCATIONS, SEE TRUSS STRAP PLACEMENT PLAN ON SHEET 6.0. LPTA'S ARE SET IN FROM OUTSIDE FACE OF BLOCK:
2 3/4" @ 1 1/8" X 16" RIM BOARD w/ 2x6 LET-IN
2 1/4" @ (2) 1 1/8" X 16" RIM BOARD
25. NOT USED
26. NOT USED
27. 7/16" ZIP SYSTEM OSB EXPOSURE 1 ON EXT. WALLS w/ ALL EDGES BLOCKED ATTACH w/ 8d NAILS @ 3" O.C. EDGES AND 8" O.C. FIELD OR 16GA. X 1 3/4" STAPLE @ 2" O.C. EDGES AND 4" O.C. FIELD.
28. 2x4 SYP BOTTOM PLATE.
29. 1/2" DRYWALL ON 2x4 #2 SYP WOOD STUDS @ 16" O.C. AND INSULATION PER FBC AND ENERGY FORM SUBMITTED WITH PERMIT APPLICATION.
30. 2X WOOD HEADER @ OPENING, SEE SECOND FLOOR PLAN FOR SIZE.
31. (2) 2x4 #2 SYP TOP PLATES. TOPMOST PLATE TO BE FIELD-INSTALLED PER DETAIL N/SD-W AND NAILED TO WALL SHEATHING w/ (1) ROW 8d NAILS @ 4" O.C.
32. TA18, ATTACH TO FACE OF TRUSS w/ (9) 10d X 1 1/2" NAILS.
33. MSTA12 @ END TRUSS AND 48" O.C., INSTALL 6" UP ON RIM BOARD AND 6" ON UNDERSIDE OF TRUSS.
34. VENTED SOFFIT AND J-CHANNEL ATTACHED w/ 18ga. 1/4" x 3/4" LEG STAPLE IN DIAMOND PATTERN @ 12" O.C. INTO 2x4 SYP NAILERS. INSTALL INTERMED. 2X NAILERS AS SHOWN. ATTACH SOFFIT w/ CORROSION RESISTANCE NAIL.
35. FLASHING, AS REQUIRED.
36. REFER TO SECTIONS ON SHEET SD-W FOR OPENING ATTACHMENTS AND DETAIL N/SD-W FOR WALL PANEL ATTACHMENTS.
37. SHEARWALL ASSEMBLY, SEE FIRST FLOOR PLAN.
38. 2x #2 SYP P.T. BOTTOM PLATE w/ RT&A @ EVERY STUD ATTACH w/ (1) FA3 @ EACH END OF THE WALL, (1) @ EACH SIDE OF OPENING AND @ 48" O.C.
40. 1/2" MIN. THICKNESS EXTERIOR MASONRY PLASTER, APPLIED OVER BLOCK / MASONRY. (STONE VENEER DOTTED)-SEE ARCH. DWG'S. FOR REQUIREMENTS AND INSTALL ALL COVERINGS PER MANUFACTURER RECOMMENDATIONS
41. LAP SIDING (STONE VENEER DASHED)-SEE ARCH. DWG'S. FOR REQUIREMENTS AND INSTALL ALL COVERINGS PER MANUFACTURER RECOMMENDATIONS
42. HORIZ. MID-WALL STARTER STRIP, ANGLE SET 1" BELOW TOP OF MASONRY: ATTACH w/ 11ga 1 3/4" ROOFING NAIL @ 16" O.C.
43. 2x4 #2 SYP HORIZ. FLAT BRACE @ 48" O.C.(EXTENDED MIN. (4) TRUSS BAYS) - FASTEN TO EA. TRUSS BOTTOM CHORD w/ (4) 10d NAILS.
44. RIBBON AND RIM BOARD BEYOND.
45. 7/8" MIN. THICKNESS (3 COAT) EXTERIOR MASONRY PLASTER APPLIED OVER PAPERBACK WIRE LATH ON TYPAR OR EQUAL BUILDING WRAP PAPER.

FOR COUNTY USE ONLY

05/07/2025

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.

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MARONDA Homes

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Community: Forest Cove

Garage Side: Left

Plan Name: Sienna

Elev - A

Lot: 8

Block: TBD SW Cadence Glen

Address: Lake City, FL 32024

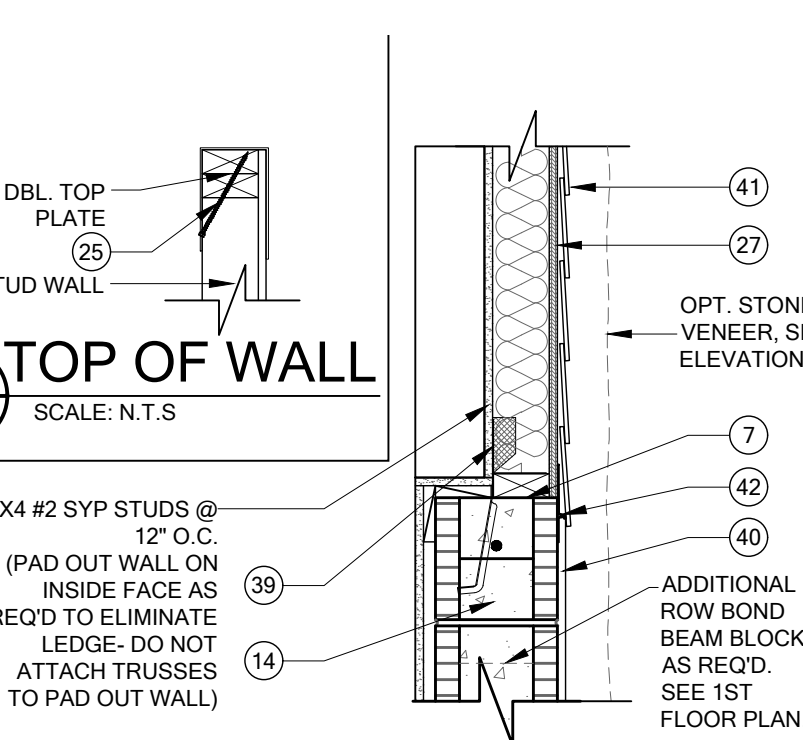
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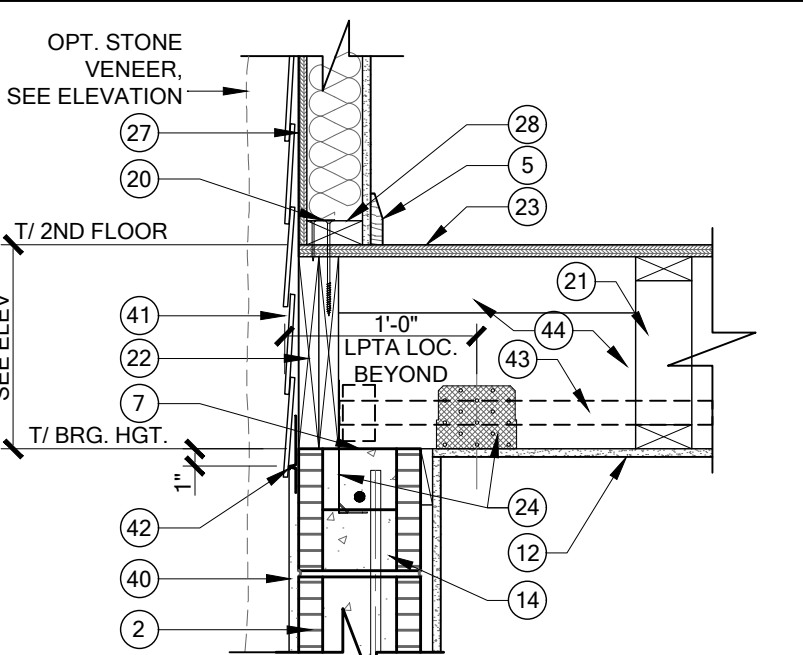
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Job No: 9FC00801

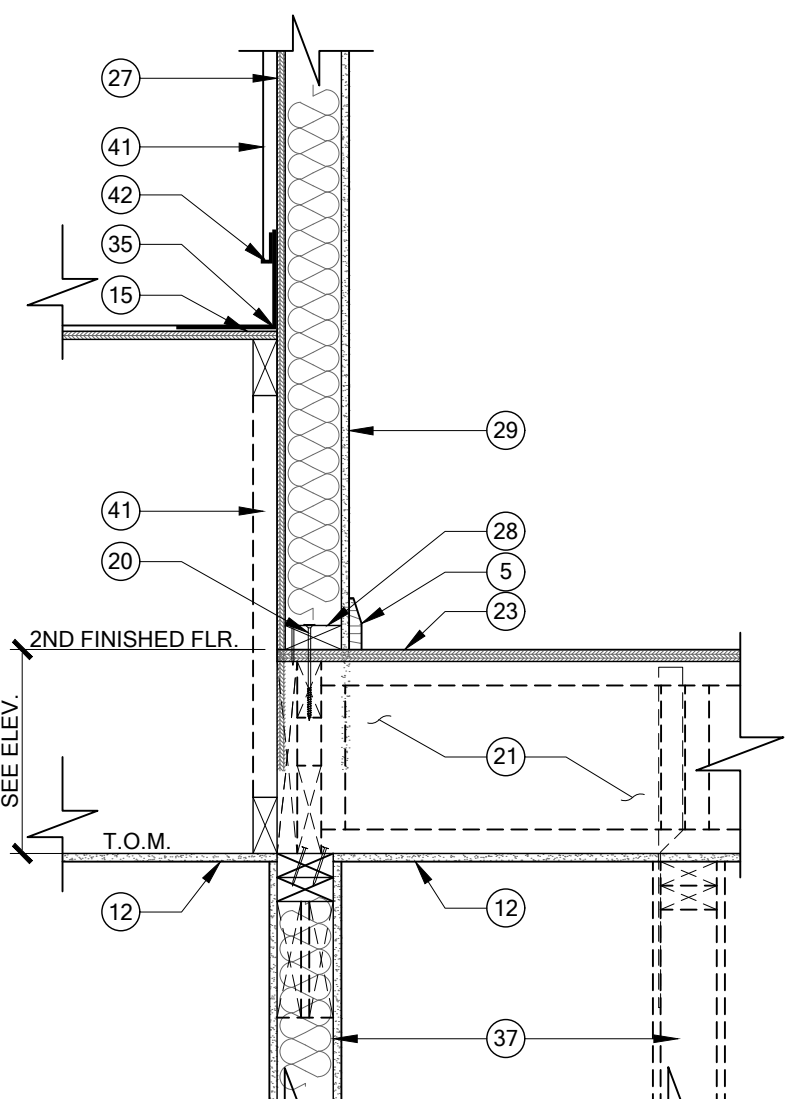
STANDARD



4B TOP OF WALL
SCALE: N.T.S



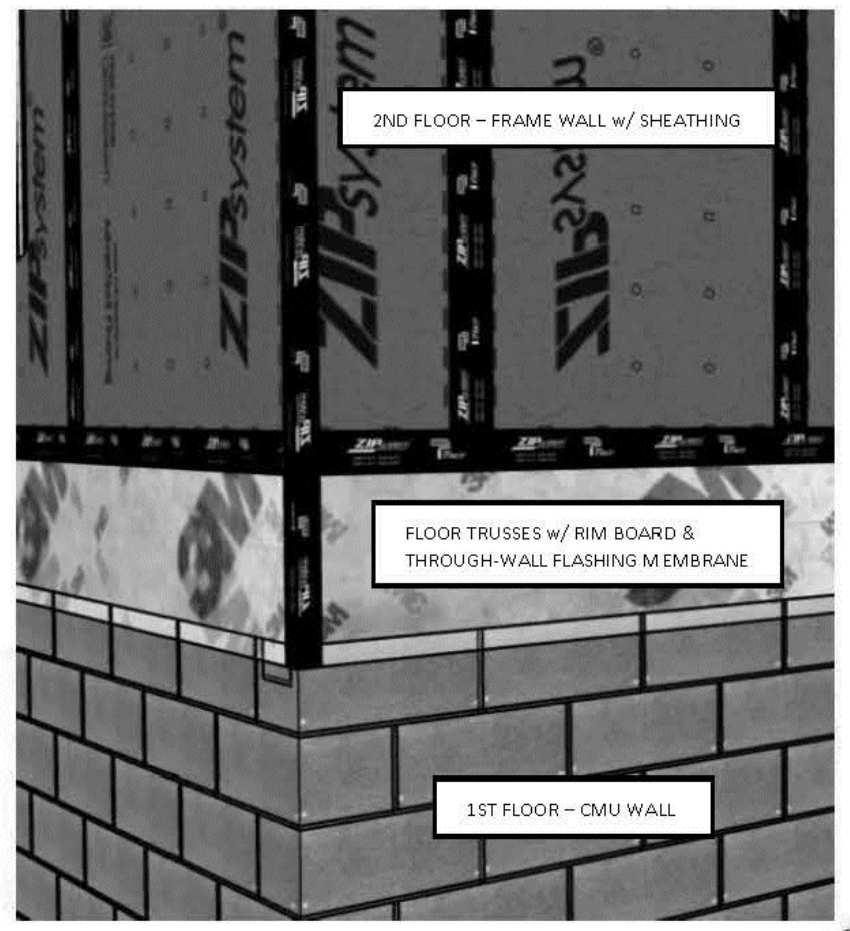
4 PARTIAL SECTION - TWO STORY OPENING
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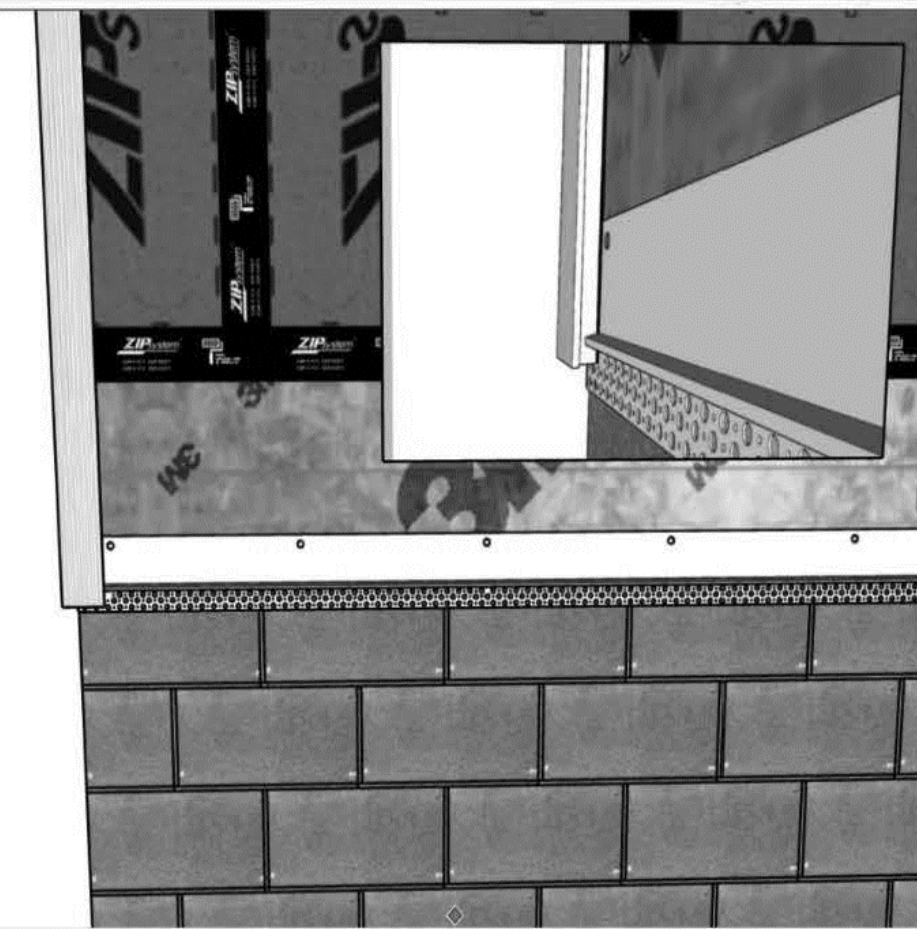
8 PARTIAL SECTION - FLOOR TRUSS TO ROOF
SCALE: N.T.S



2 MID-WALL STARTER STRIP:
NOTCH CORNER TO ACCEPT TRIM BEFORE INSTALLING. NOTCH TO EXTEND MIN. 3/4" BELOW TOP OF CMU



1 1ST FLOOR - CMU WALL



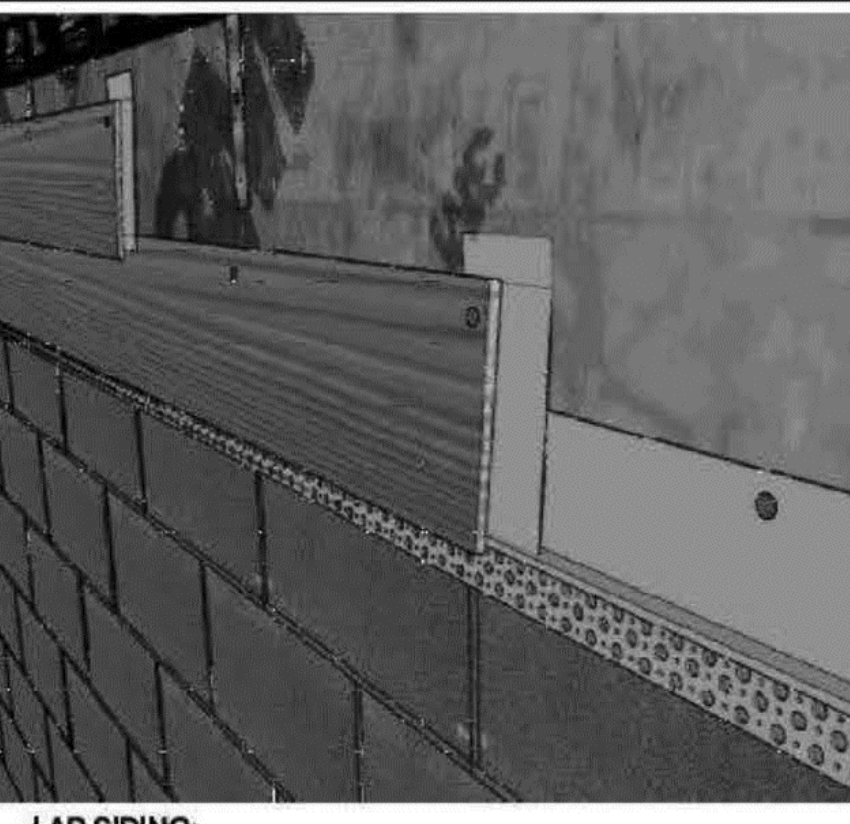
4 TRIM:
CORNER TRIM SET INTO NOTCH MIN. 3/4" BELOW TOP OF CMU. INSTALL PER MANUFACTURER INSTRUCTIONS.



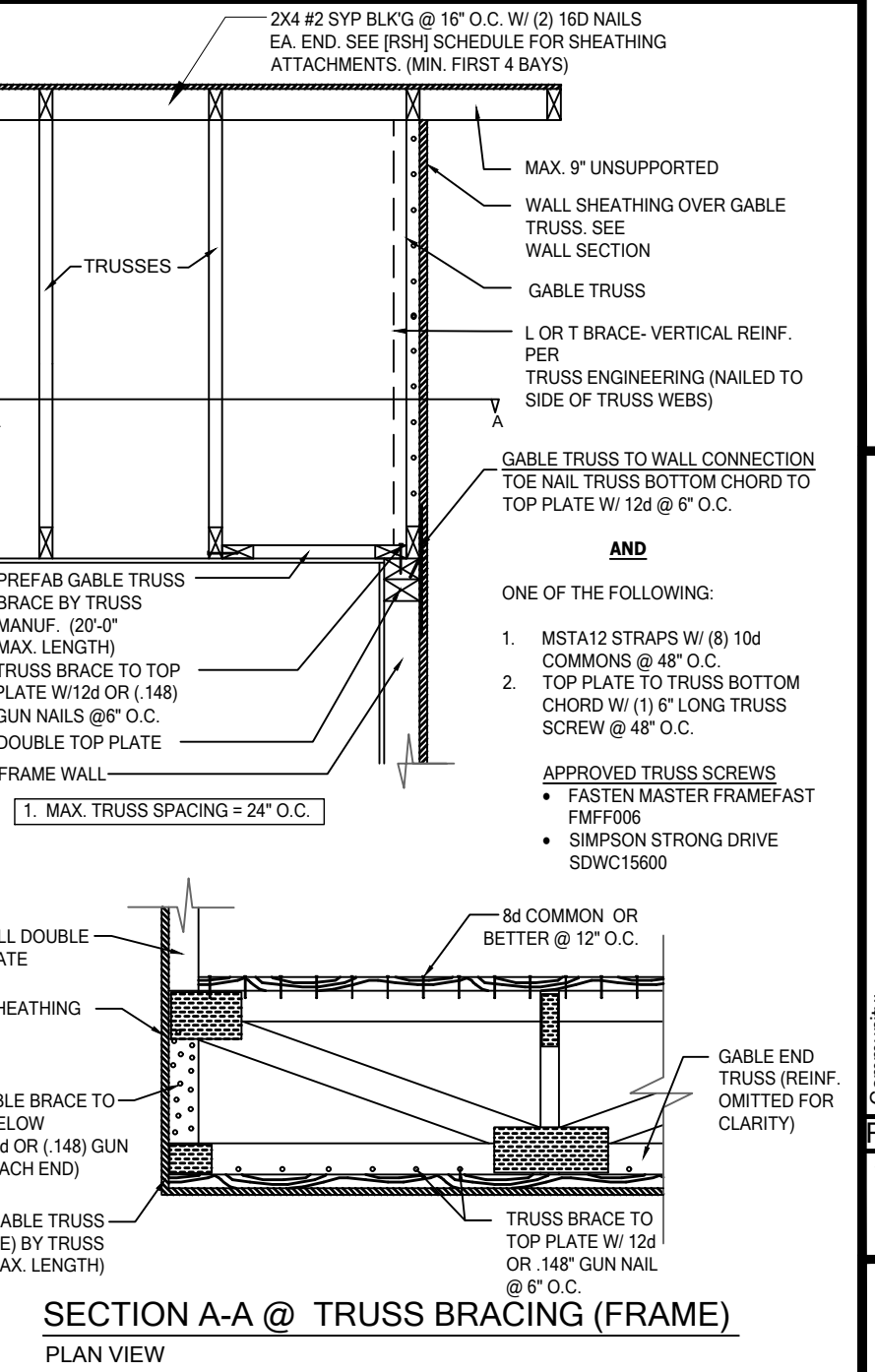
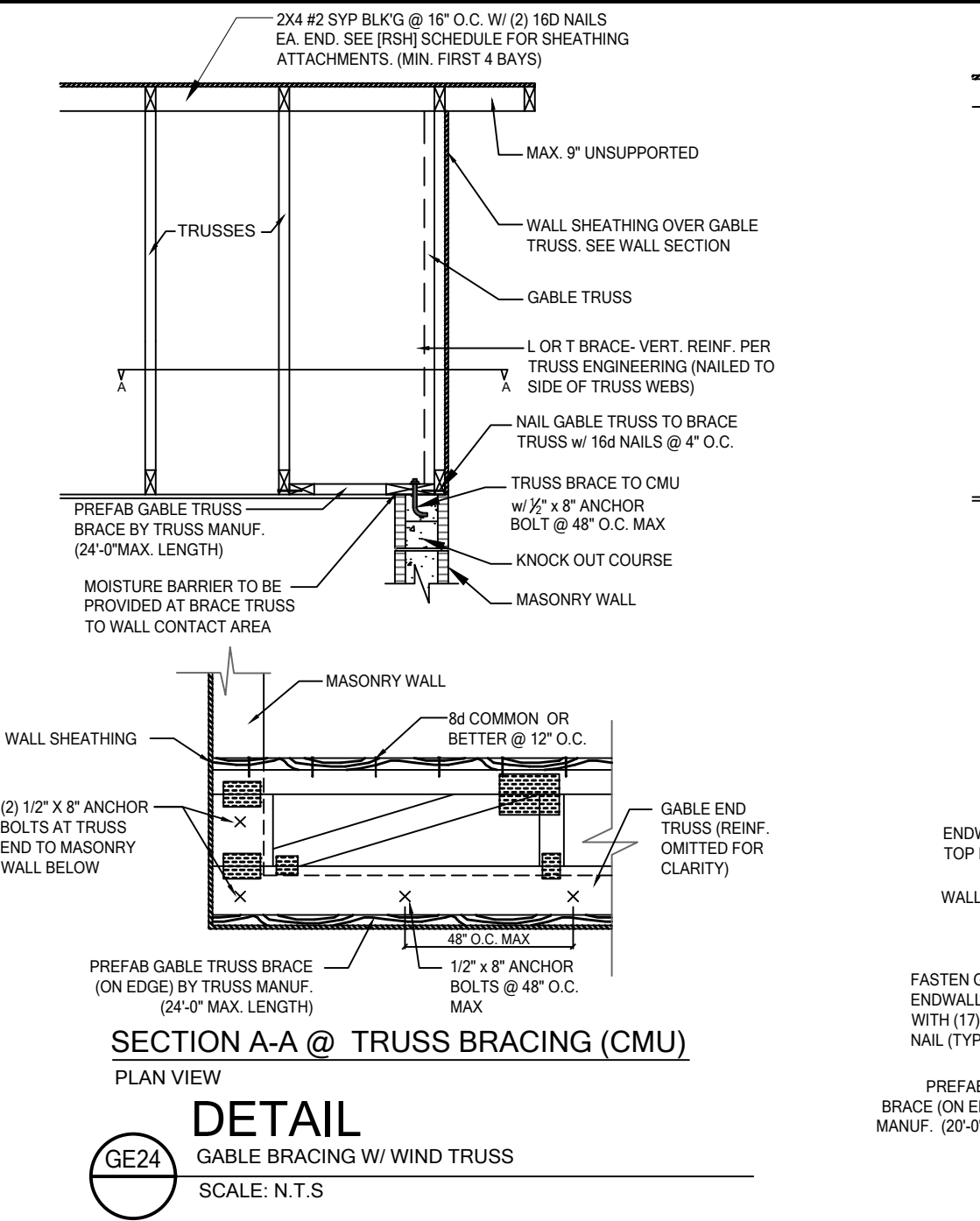
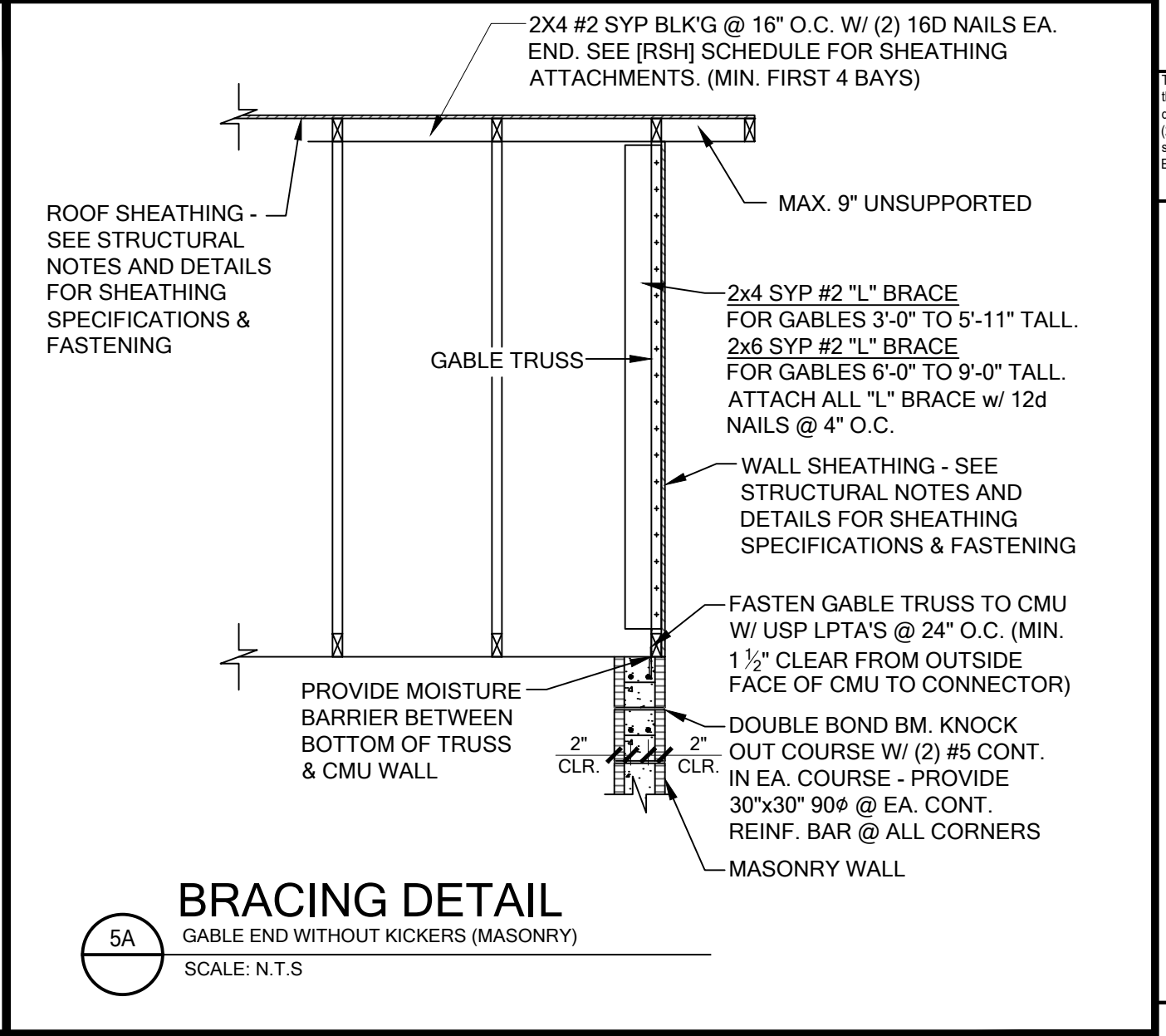
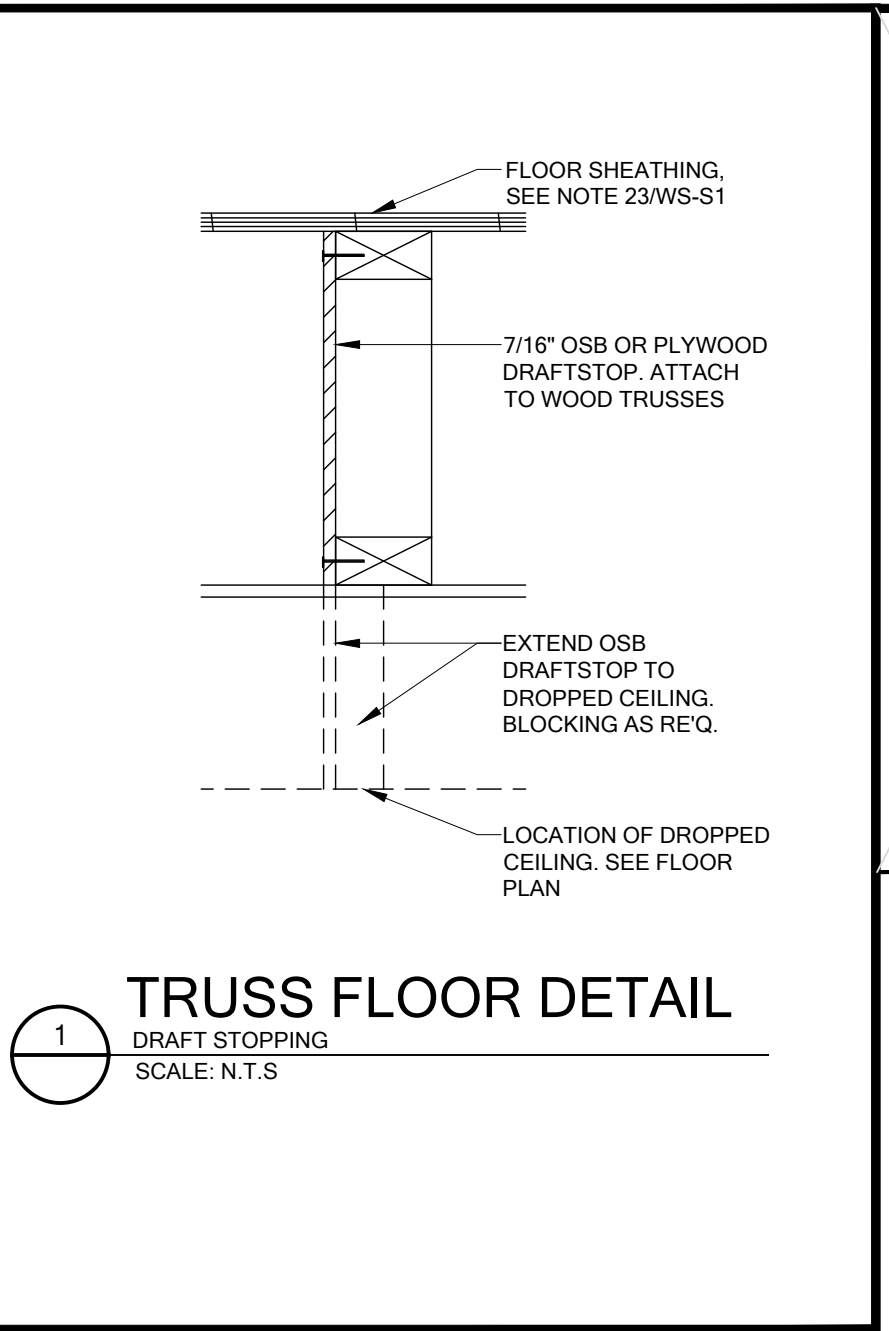
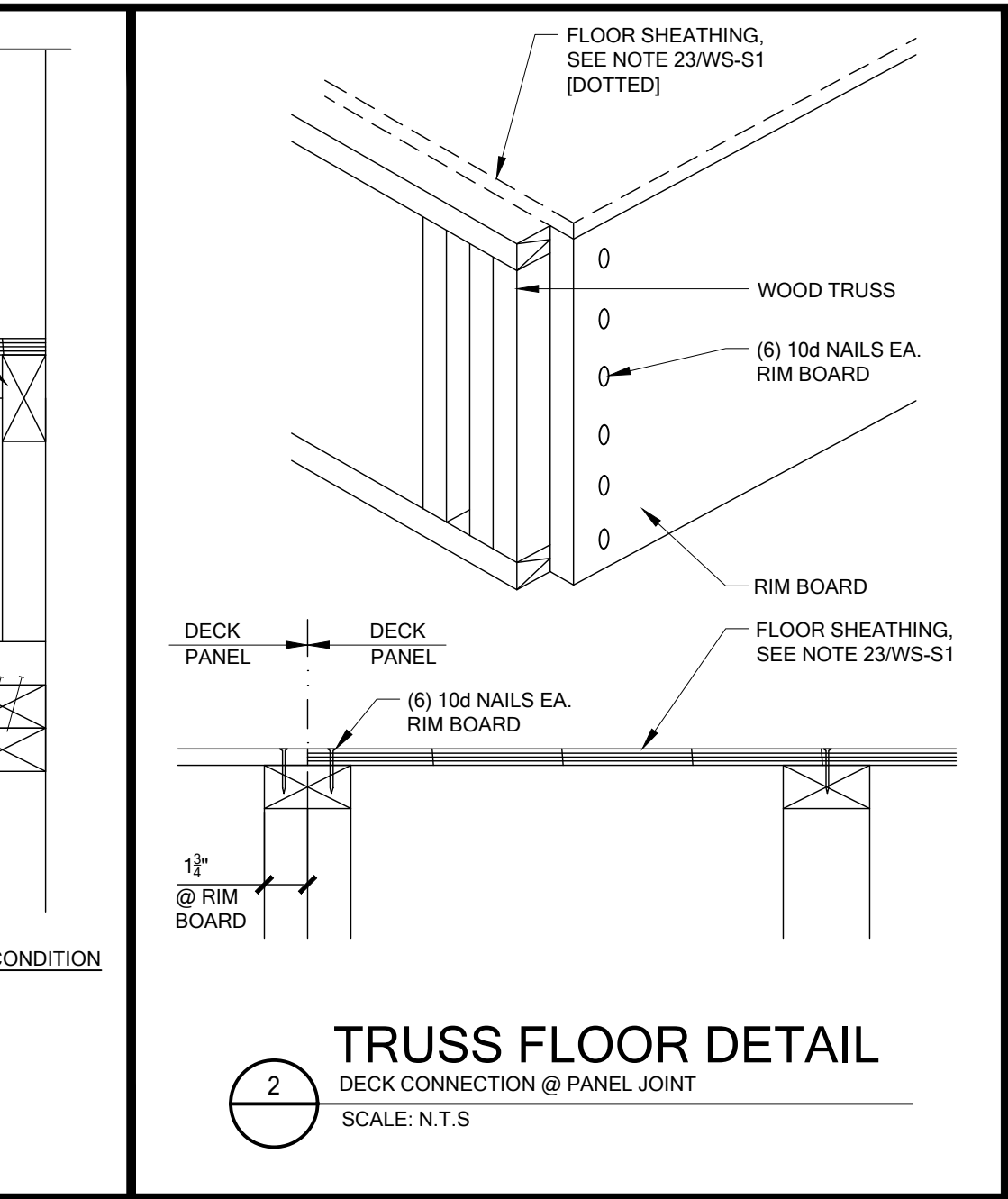
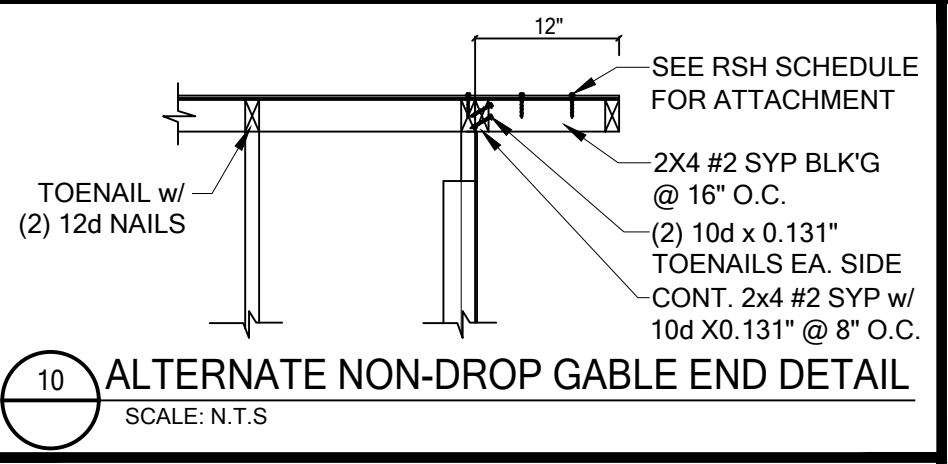
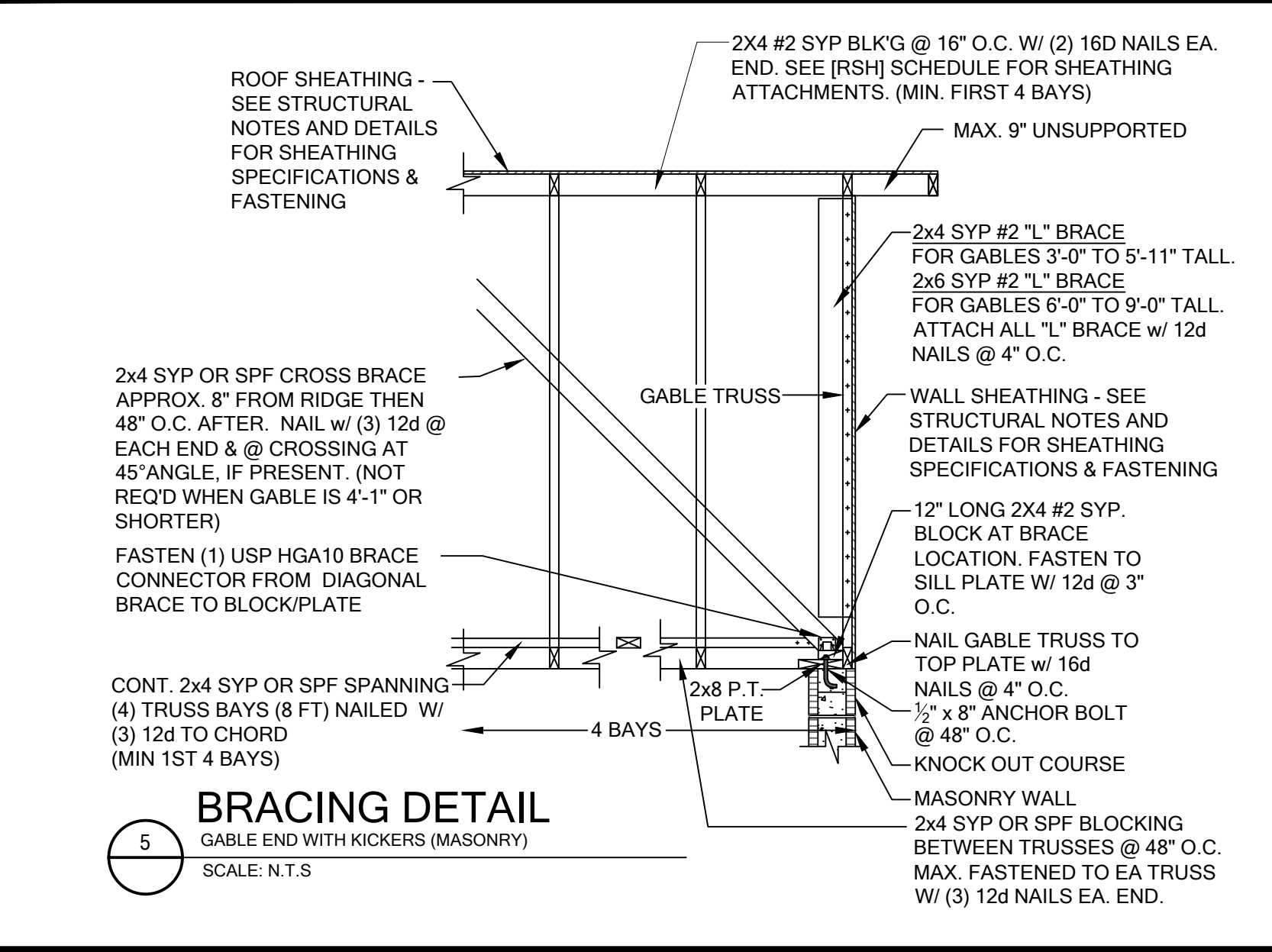
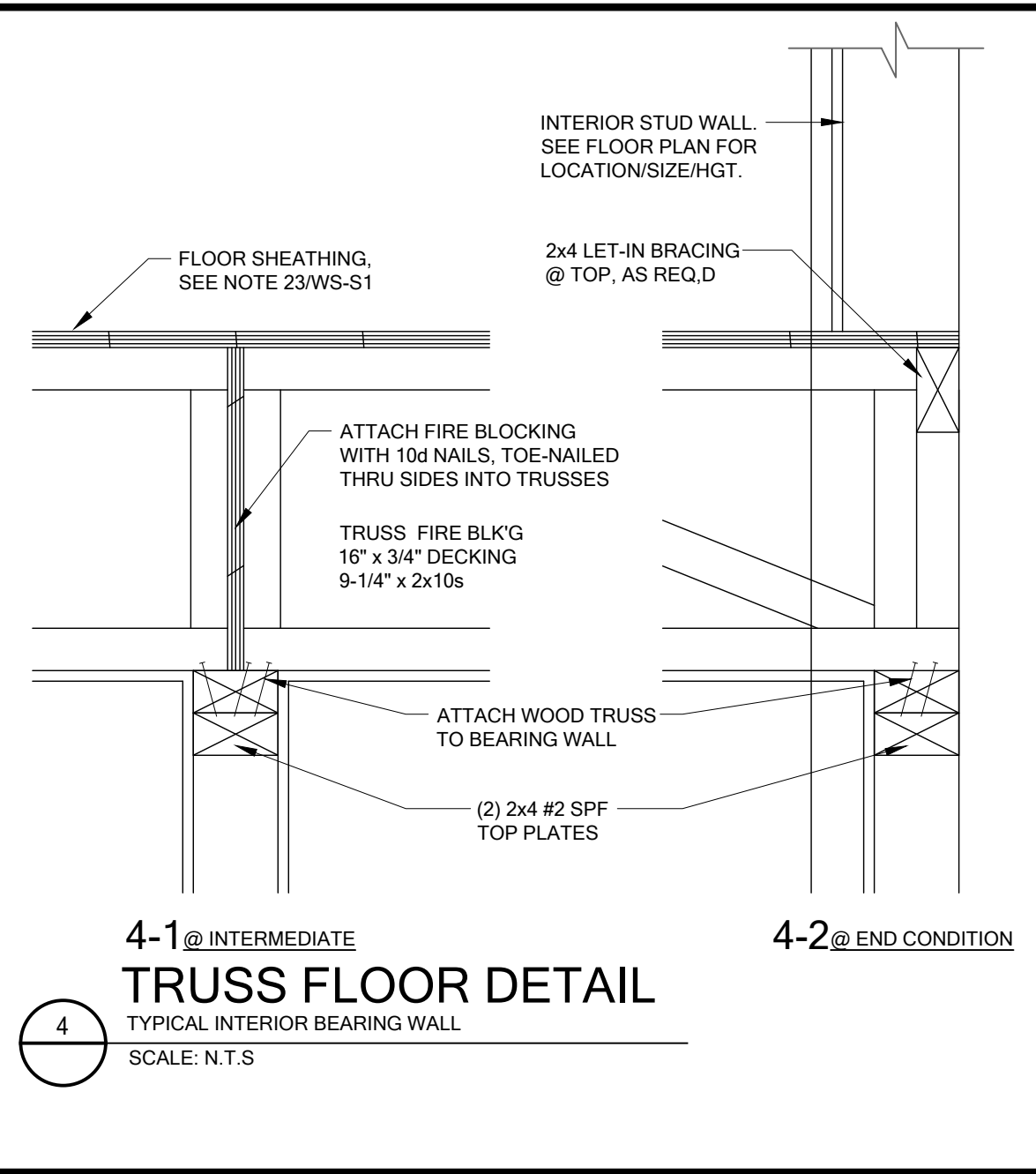
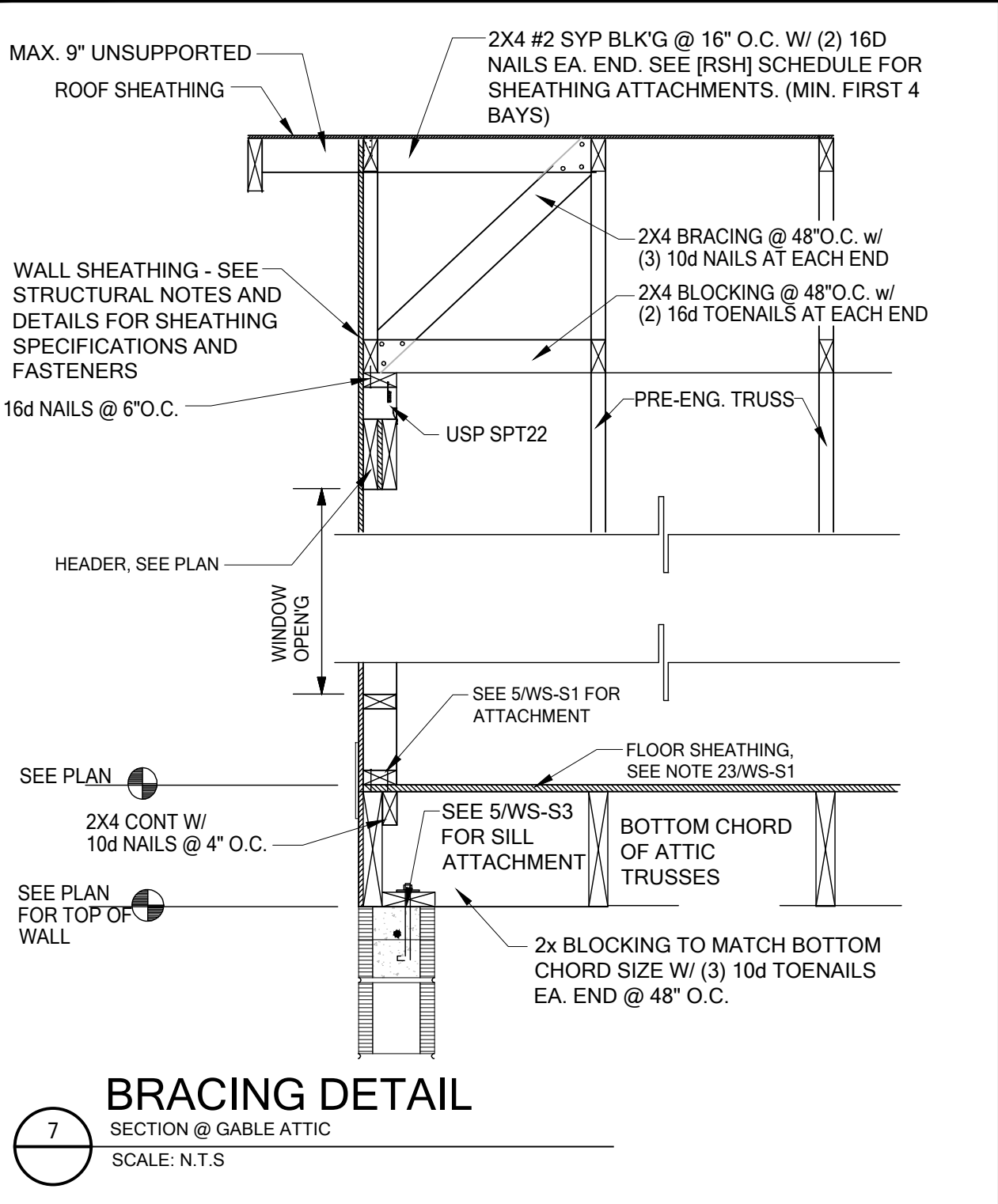
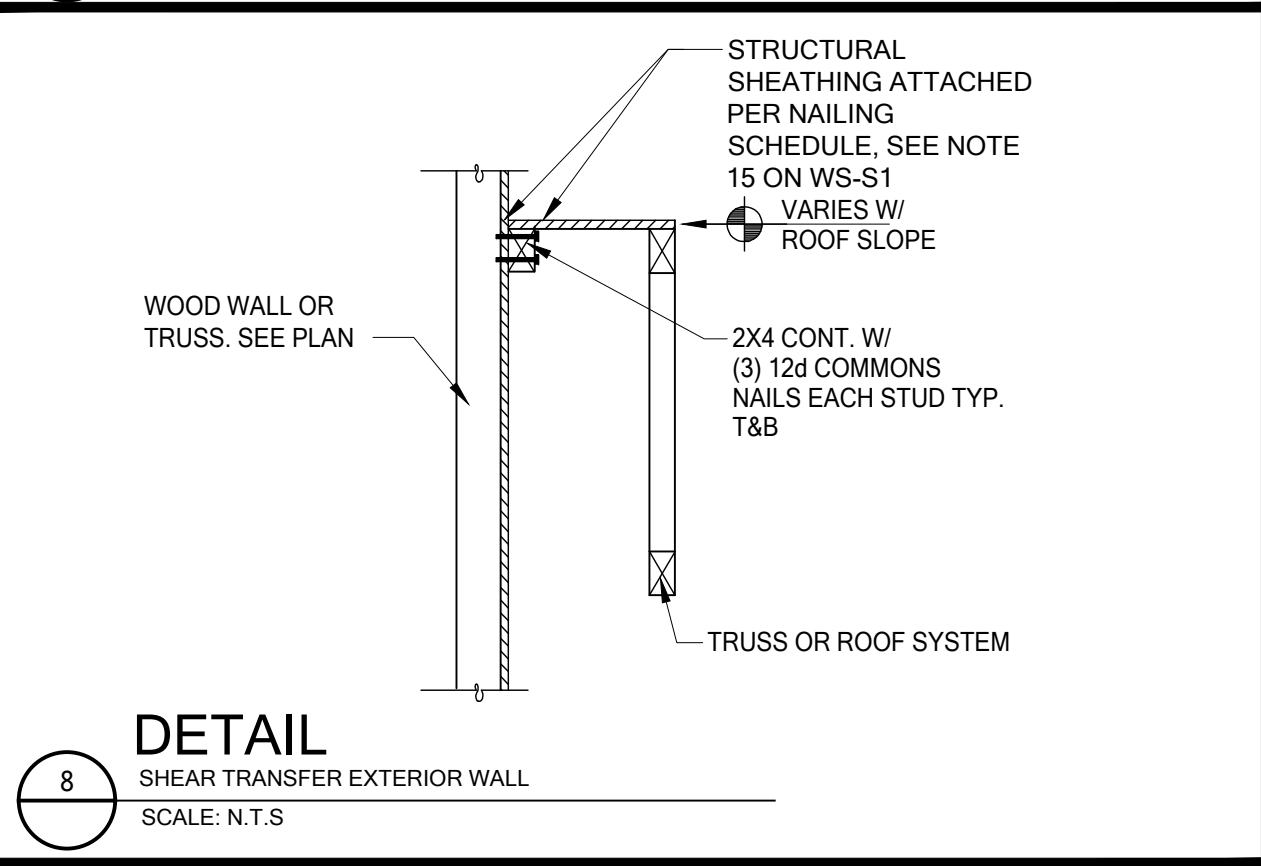
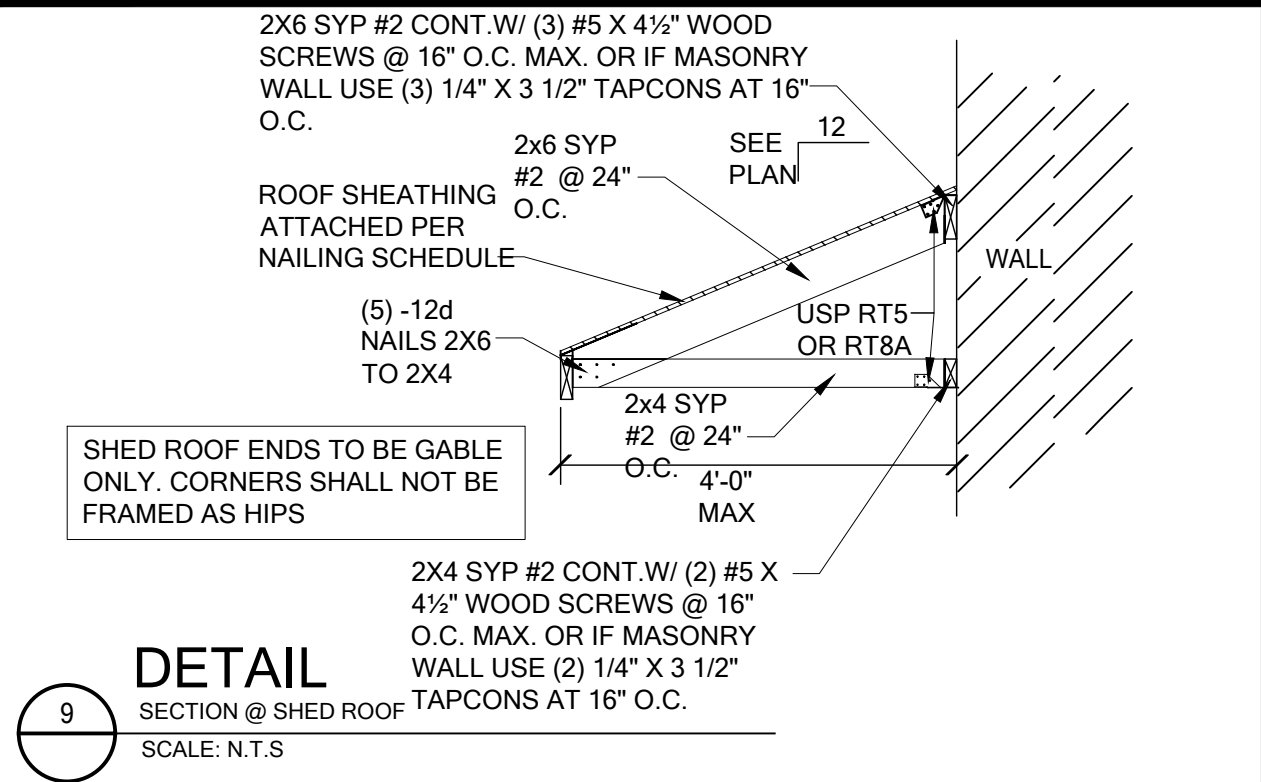
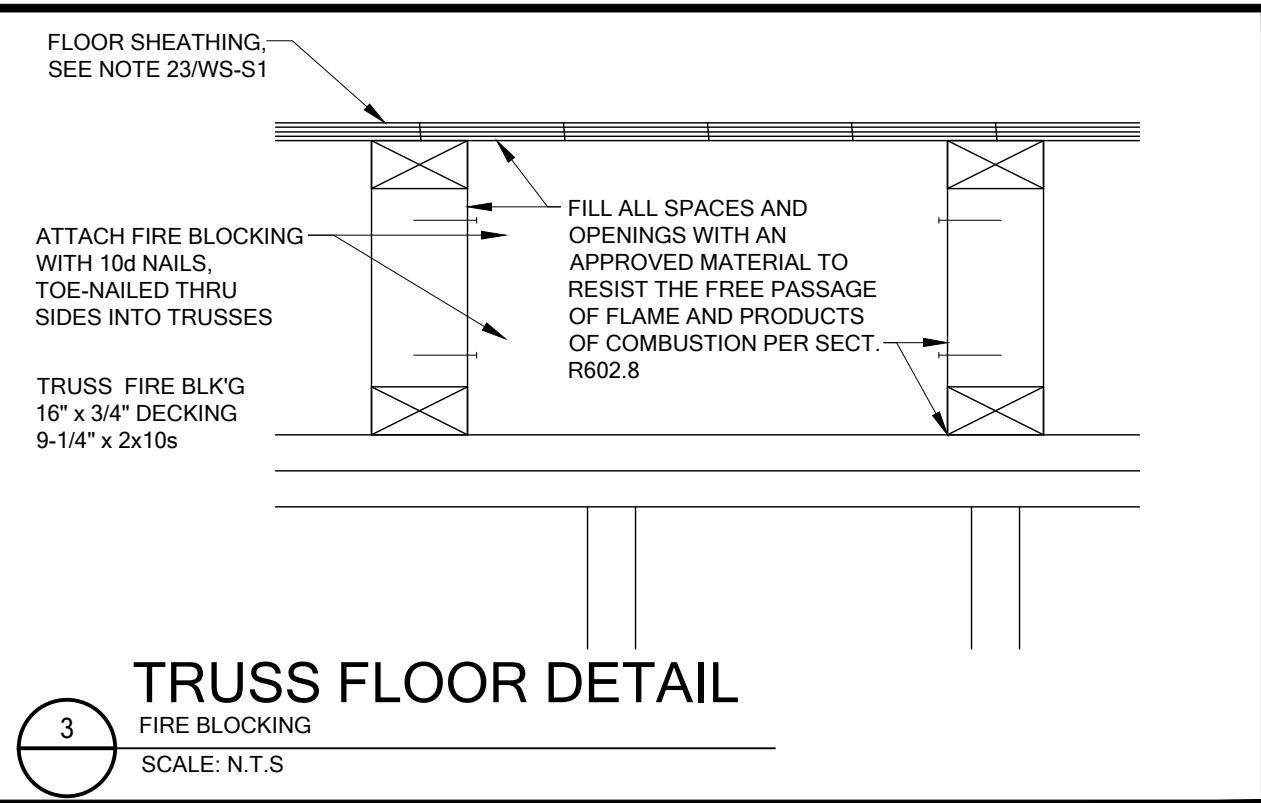
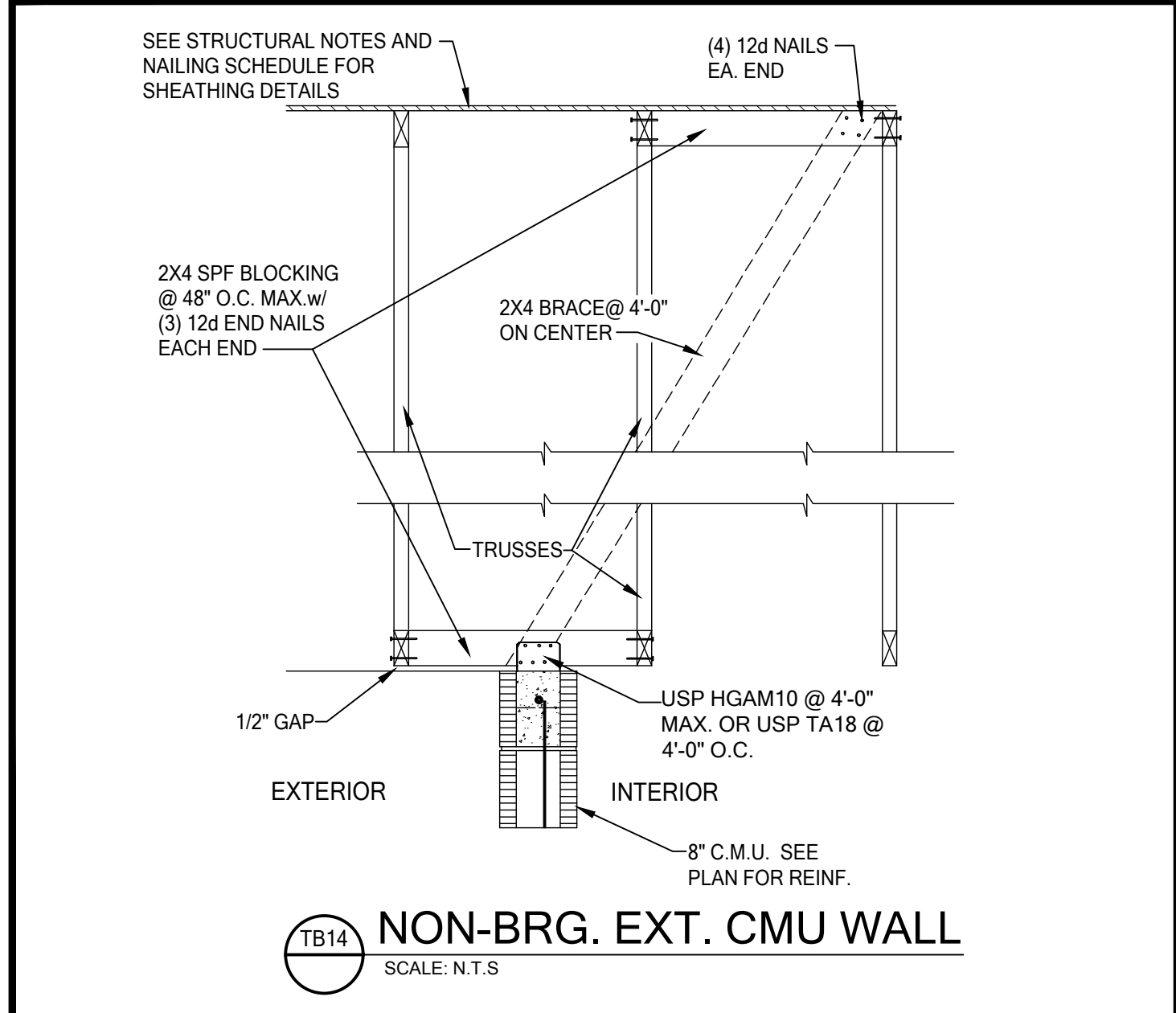
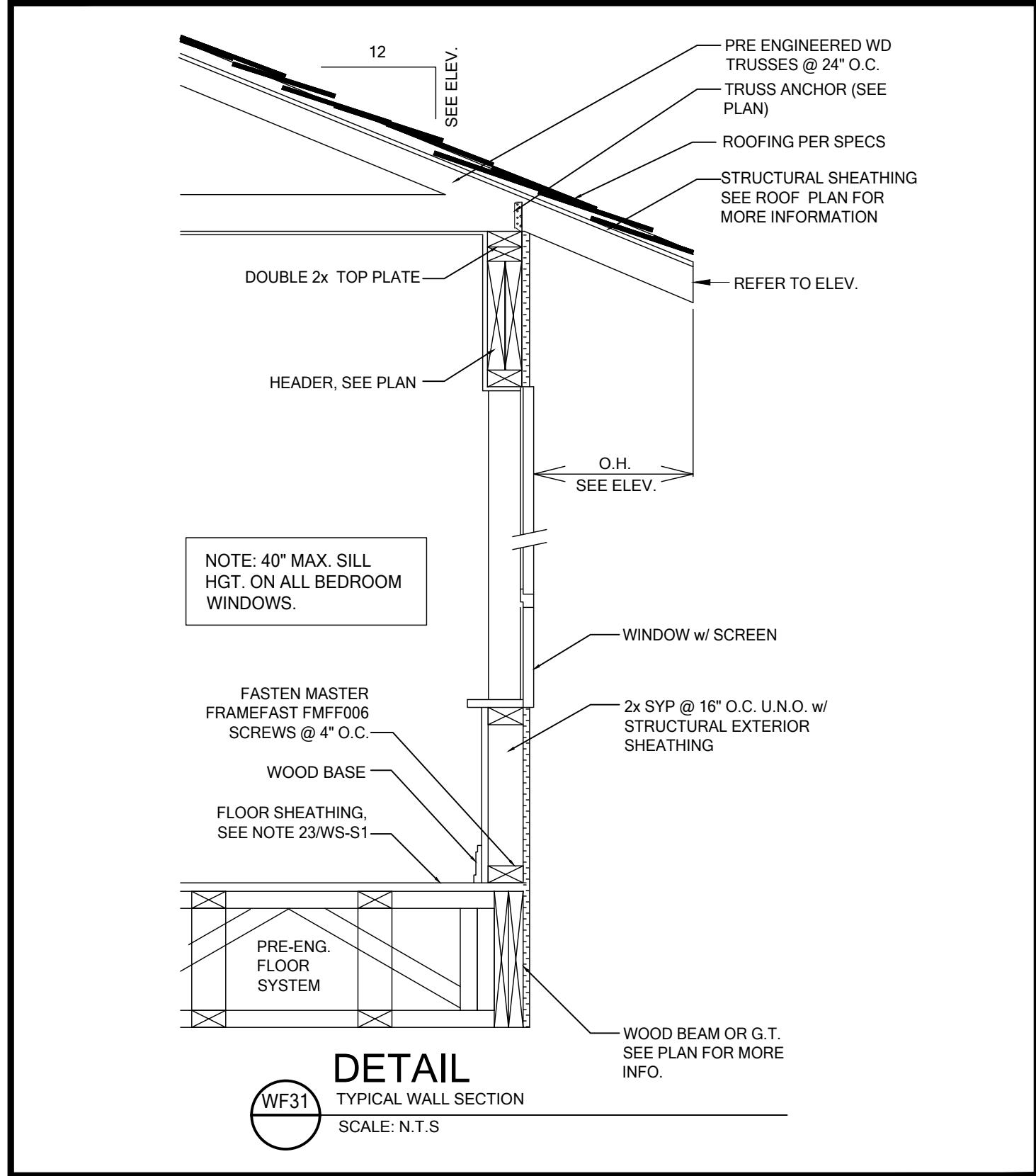
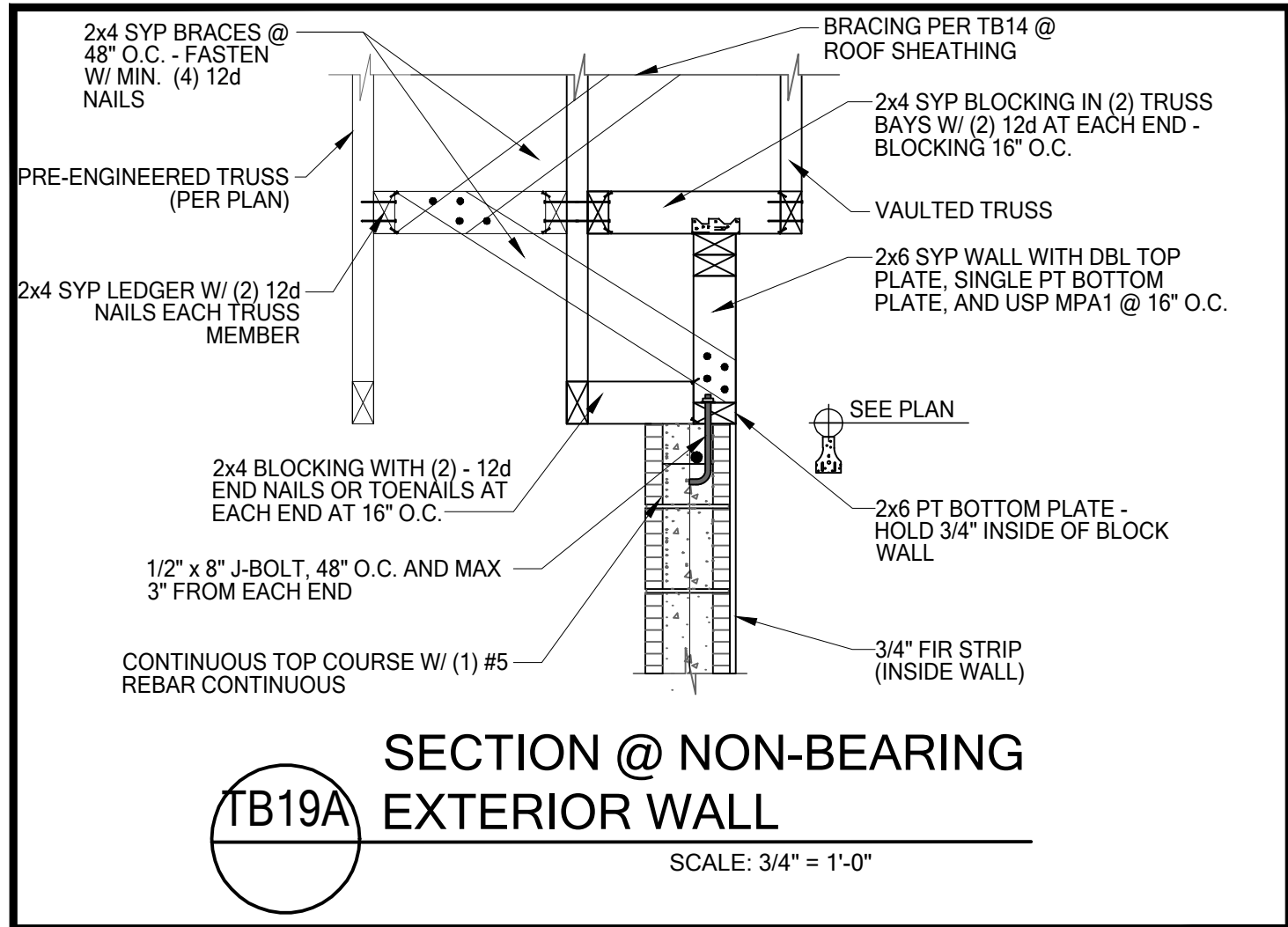
3 MID-WALL STARTER STRIP:
ANGLE SET 1" BELOW TOP OF CMU. ATTACH w/ 1 3/4" ROOFING NAIL @ 16" O.C. RUN SMALL BEAD OF CAULK @ THE TOP OF JOINT & FLASHING MEMBRANE AS ADDED PROTECTION



4 (PREFERRED METHOD "NOT" ONLY METHOD.) SEE NOTE 41



5 LAP SIDING:
ATTACH w/ 11ga. 1 3/4" ROOFING NAIL 16" O.C. INTO STUD OR .090" SHANK x 1.215 HD x 1.5" LONG RING SHANK NAIL 8" O.C. INTO WSP (MIN. 7/16" OSB). INSTALL PER MANUFACTURER INSTRUCTIONS.



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CA No. 9161 AA26033115

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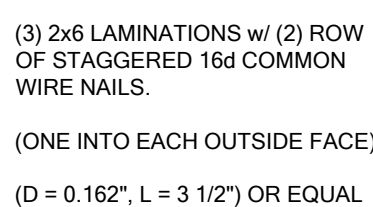
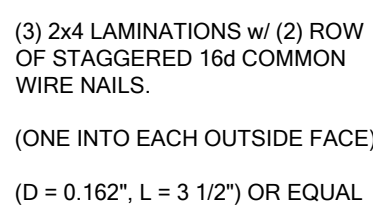
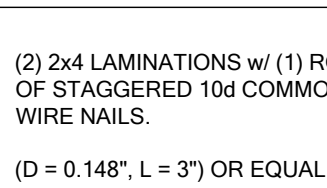
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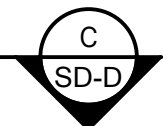
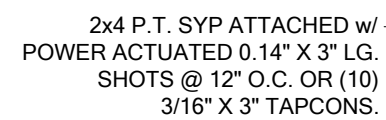
MARONDA Homes
3999 West First Street
Sanford, FL 32711
(407) 902-9871

Community:	Forest Cove	Garage Side:	Left
Plan Name:	Sienna	Elev - A	
Lot:	8	Block:	
Address:	T8D SW Cadence Glen Lake City, FL 32024		
Job No.	9FC00801		
Reference No.	25-04307		
Sheet:	WS-S3		
DETAILS			



- NOTES:
- 1- ADJACENT NAILS ARE DRIVEN FROM OPPOSITE SIDE OF COLUMN
 - 2 - ALL NAILS PENETRATE AT LEAST 3/4" OF THE THICKNESS OF THE LAST LAMINATION.
 - 3 - FOR 4-PLY, PROVIDE 1/4" DIA. X 5 1/2" LAG SCREWS OR EQUAL. (SPACE AS SHOWN FOR 3-PLY)
 - 4 - REFER TO NDS SECTION 15.3 FOR ADDITIONAL INFORMATION.

K STD. NAILING FOR BUILT-UP COLUMNS

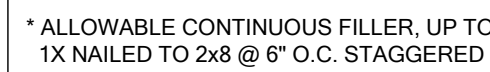


 **GARAGE DOOR ELEVATION**
SCALE: N.T.S.

NOTES:
SIDE JAMB ATTACHMENT IS PER ACI 530.1 CHAPTER 2 ASD SECTION 2.1.4
(SUPERCEDES WAYNE DALTON JAMB ATTACHMENT SUPPLEMENT)



 **SLIDING GLASS DOOR ELEVATION**
SCALE: N.T.S.



 **SLIDING GLASS BUCK DETAIL**
SCALE: N.T.S.

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CA No. 9161 AA26003115



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Community: **Forest Cove**

Plan Name: Sienna	Elev - A	Garage Side: Left
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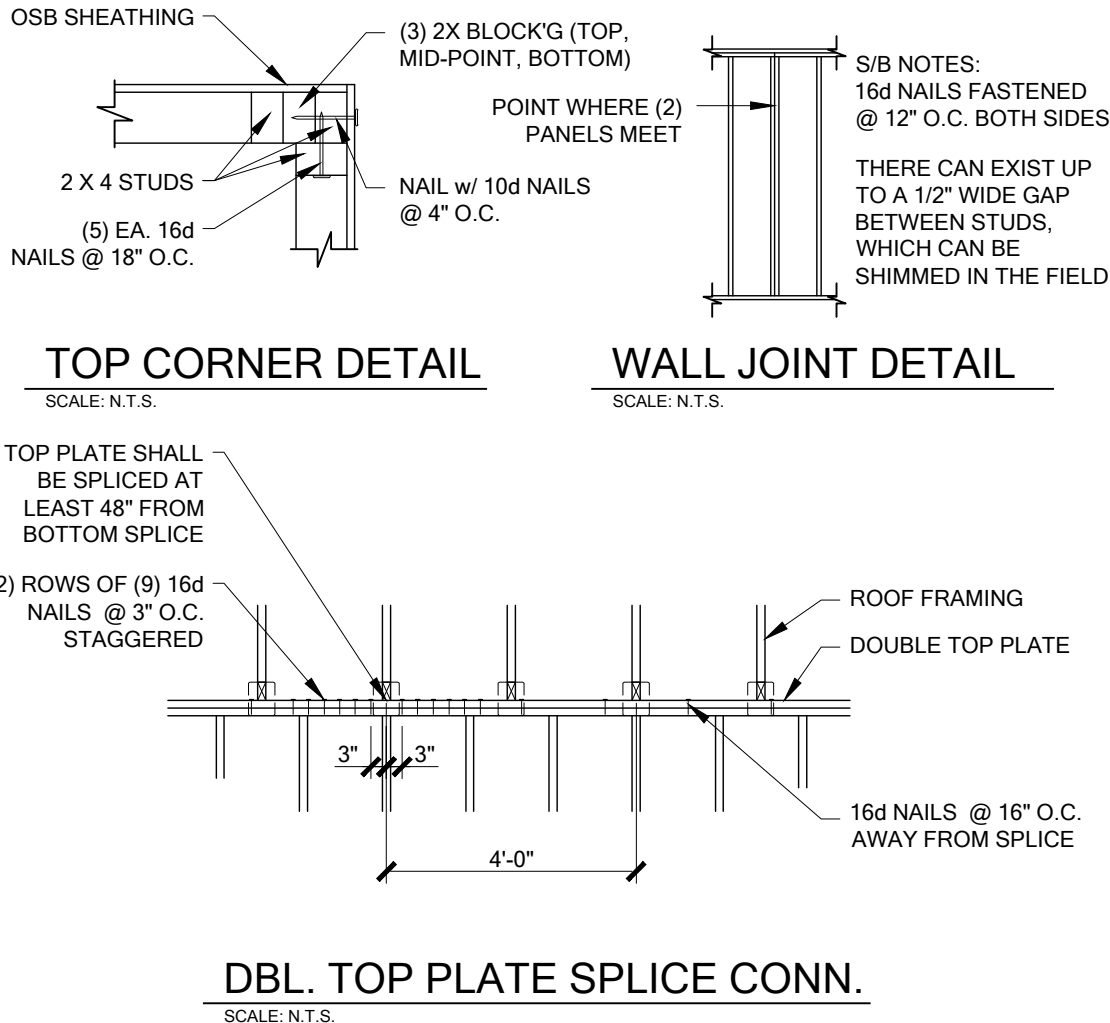
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Address:

Job no.	9FC00801
Renaissance Series	

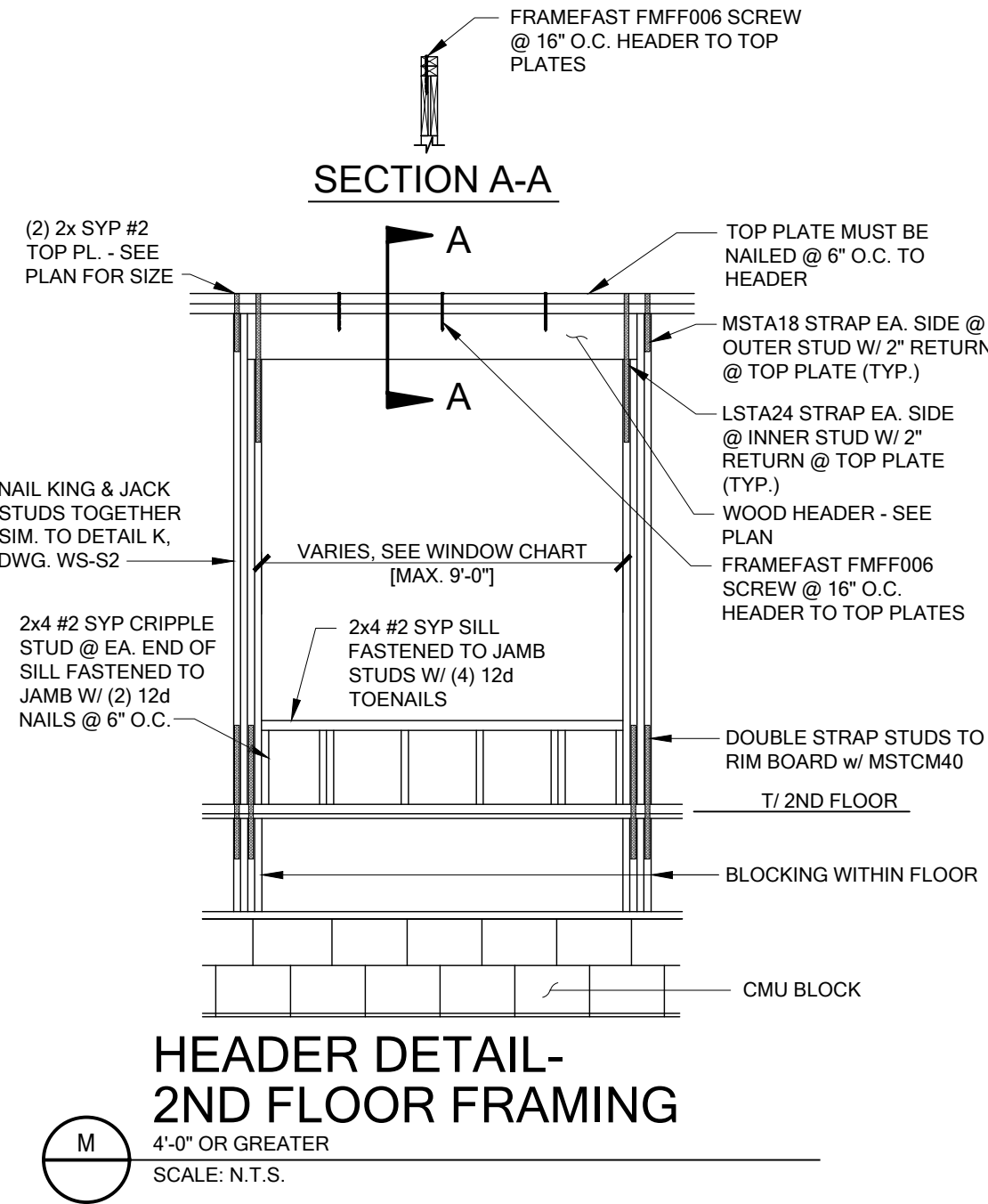
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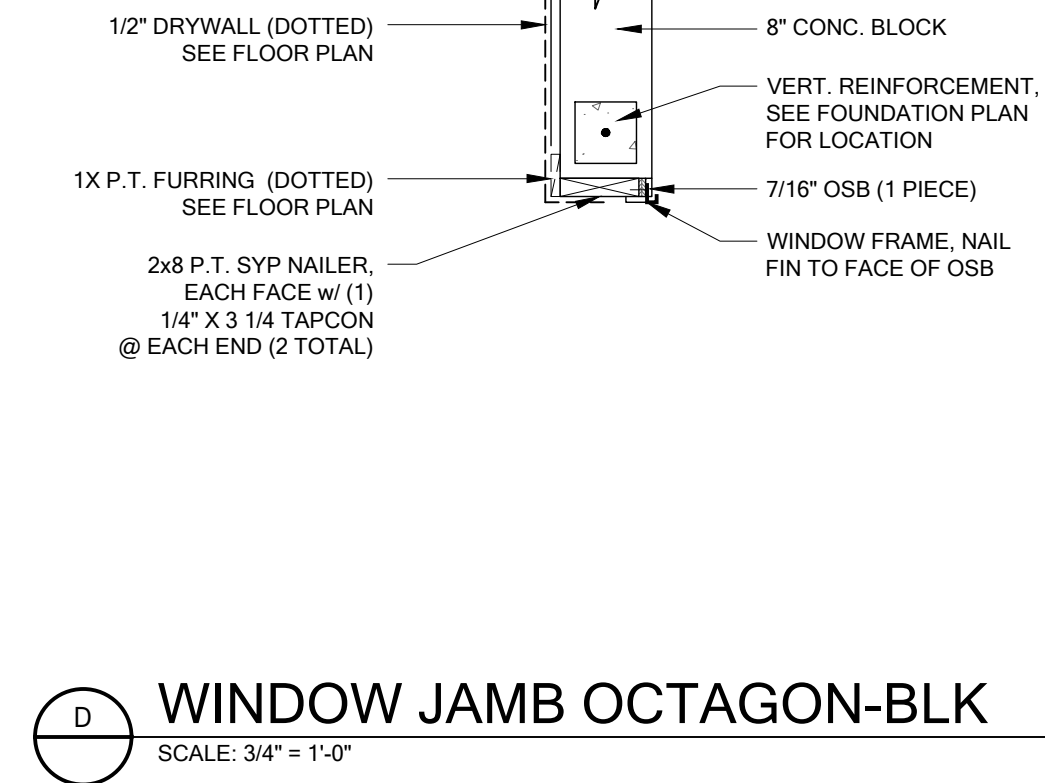
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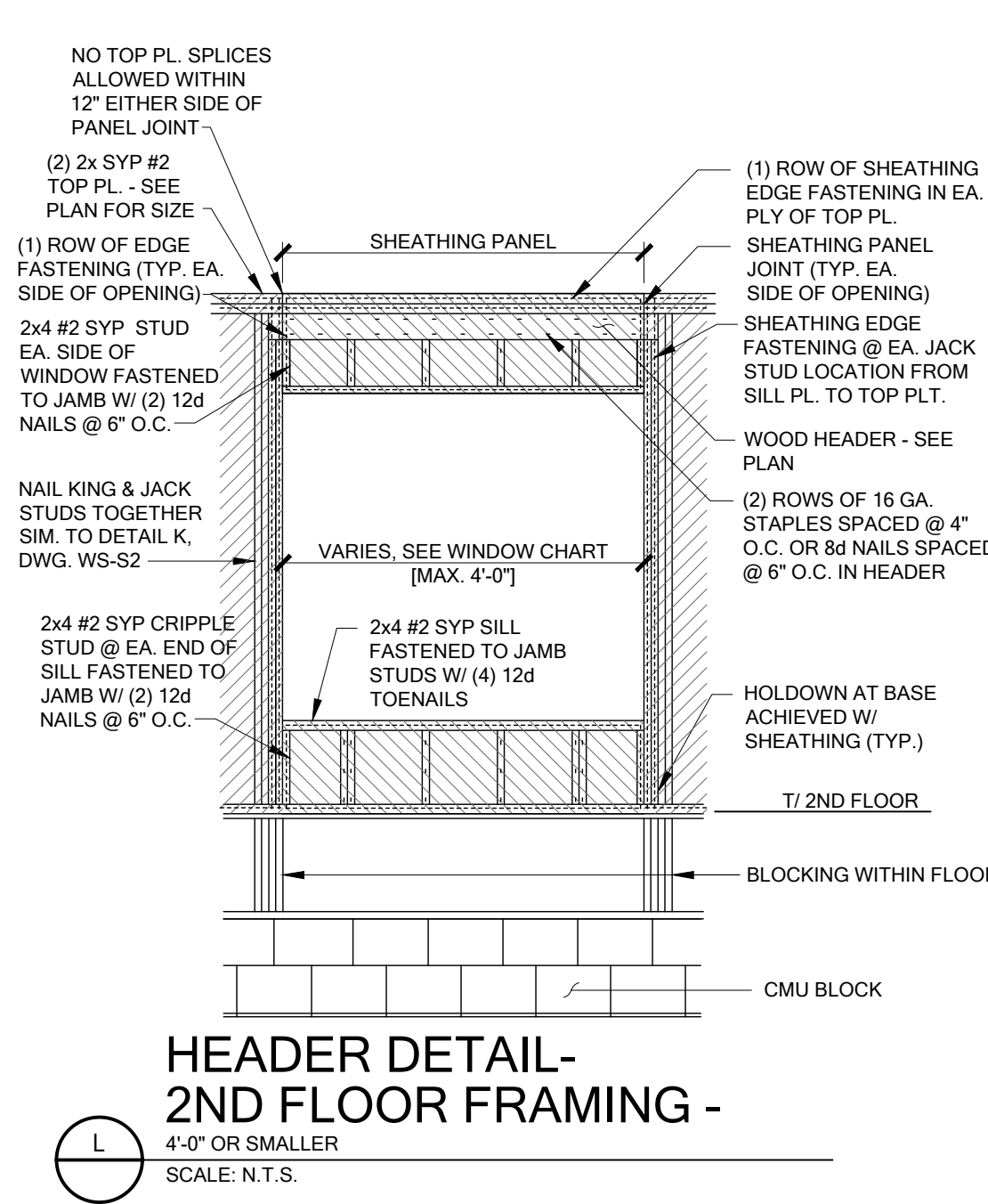
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SCALE: N.T.S.



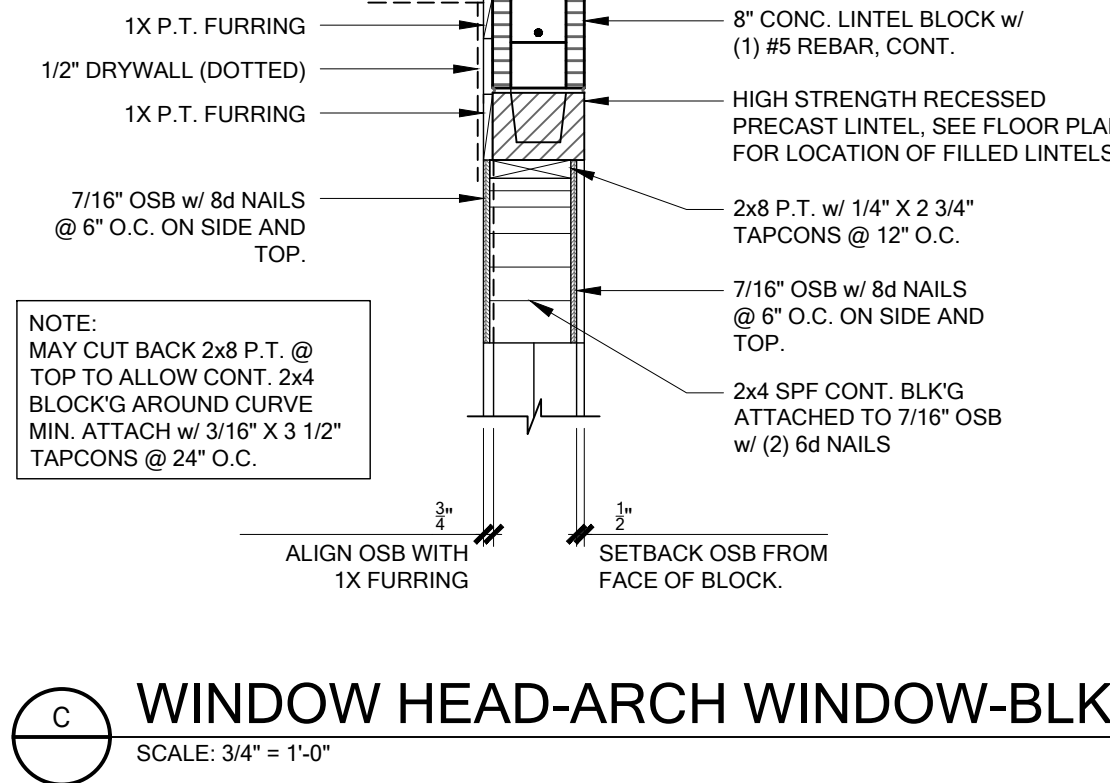
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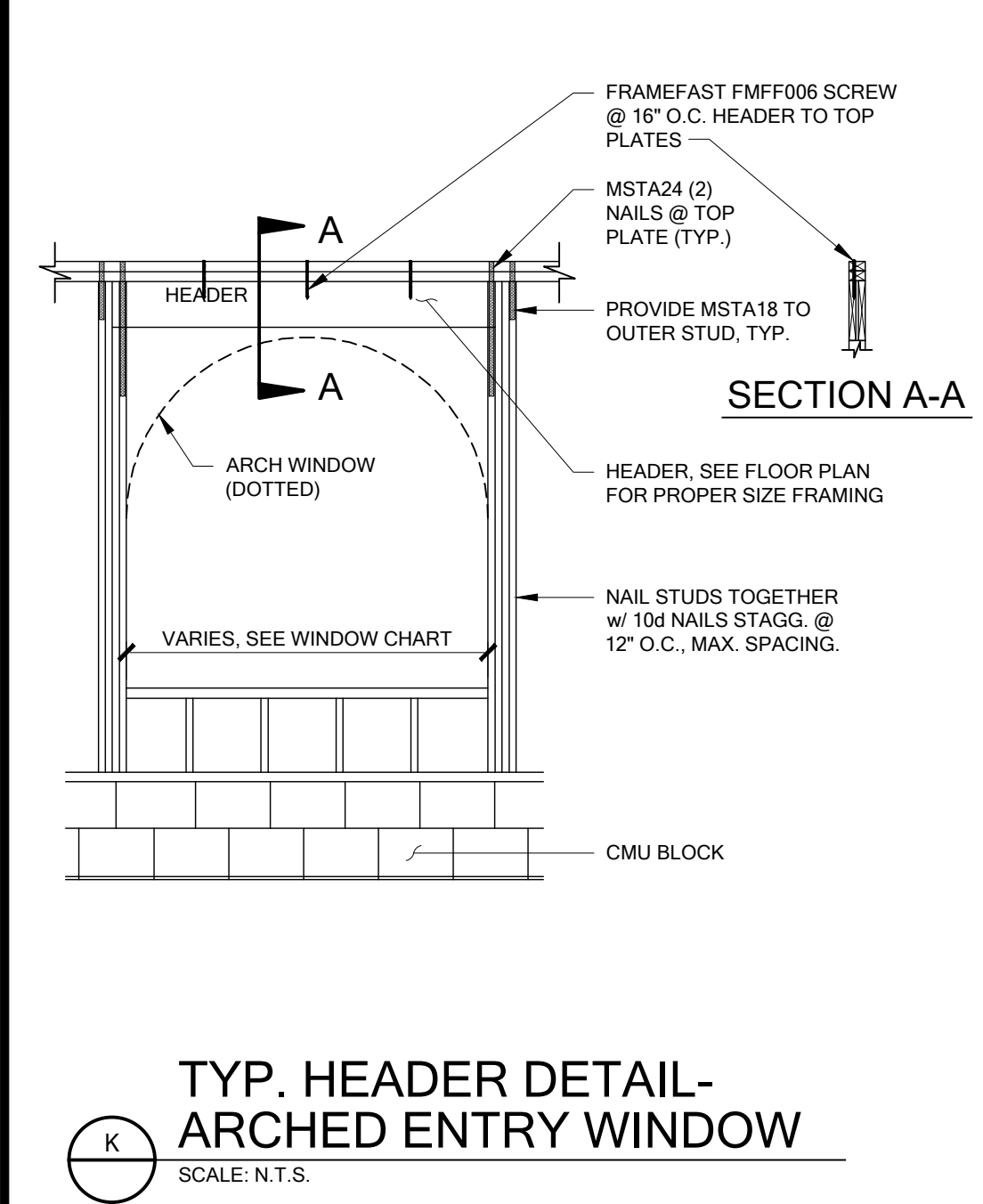
WINDOW JAMB OCTAGON-BLK
SCALE: 3/4" = 1'-0"



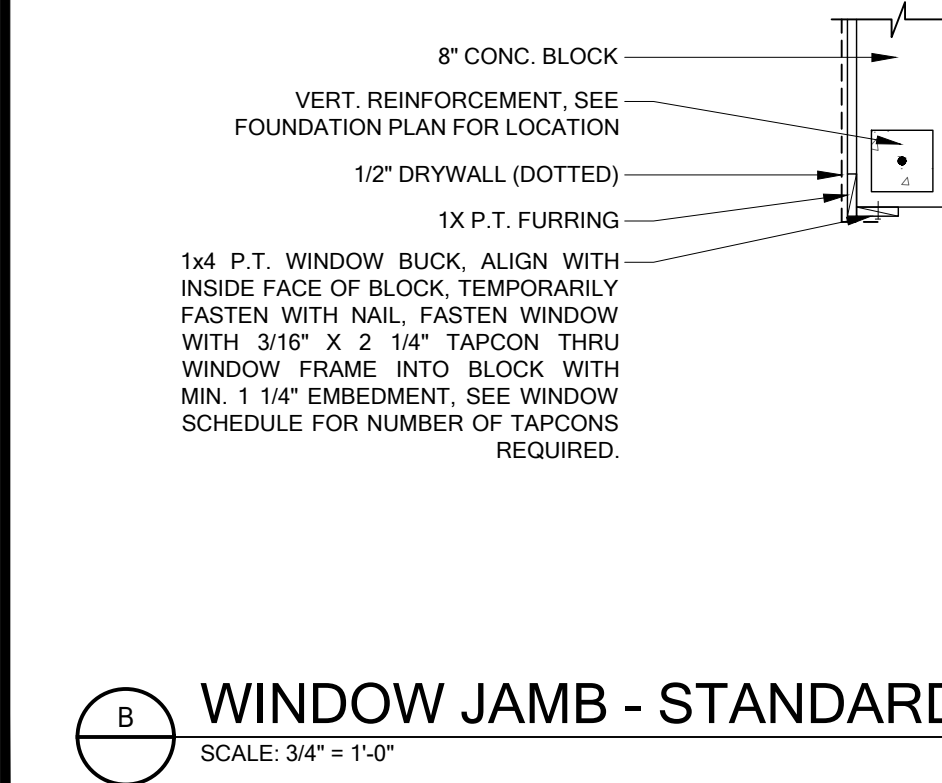
WINDOW - 1/2 ROUND TOP-BLK
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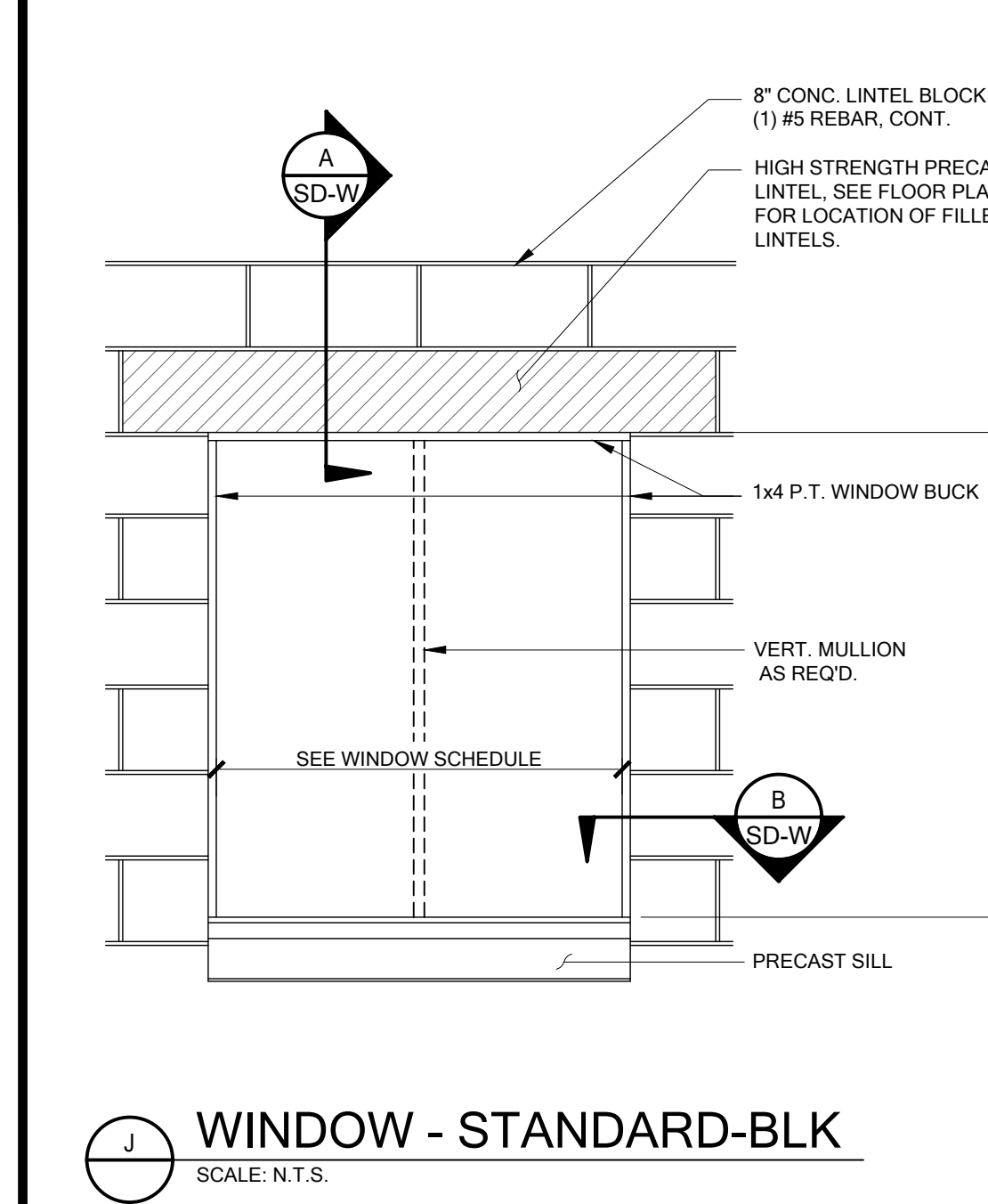
WINDOW HEAD-ARCH WINDOW-BLK
SCALE: 3/4" = 1'-0"



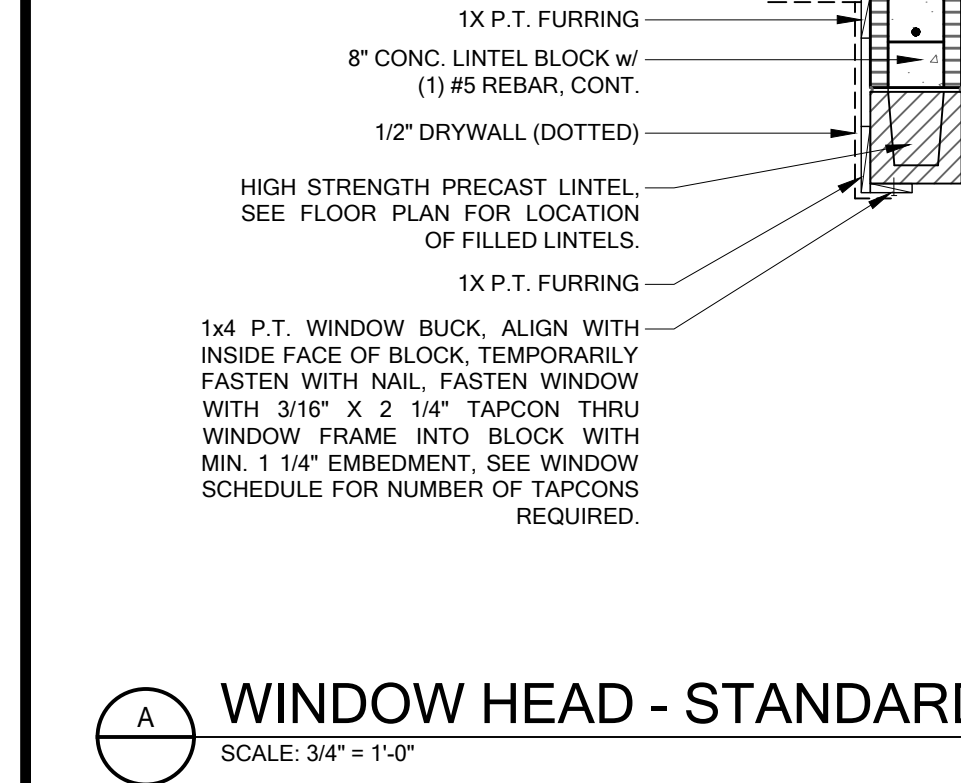
WINDOW - EYEBROW-BLK
SCALE: N.T.S.



WINDOW JAMB - STANDARD-BLK
SCALE: 3/4" = 1'-0"



WINDOW - COMBINATION-BLK
SCALE: 3/4" = 1'-0"



WINDOW HEAD - STANDARD-BLK
SCALE: 3/4" = 1'-0"

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CA No. 9161 AA26003115

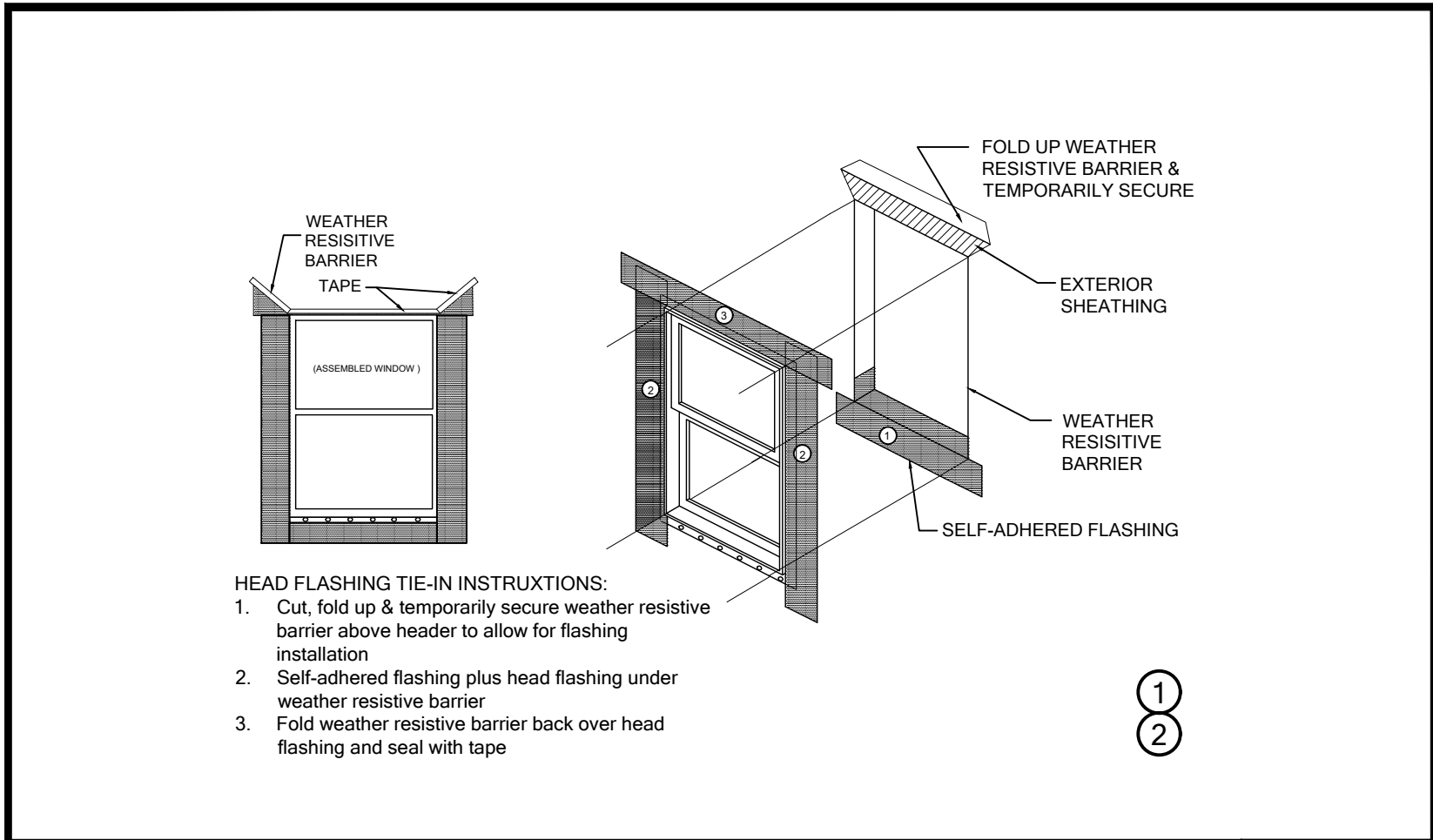
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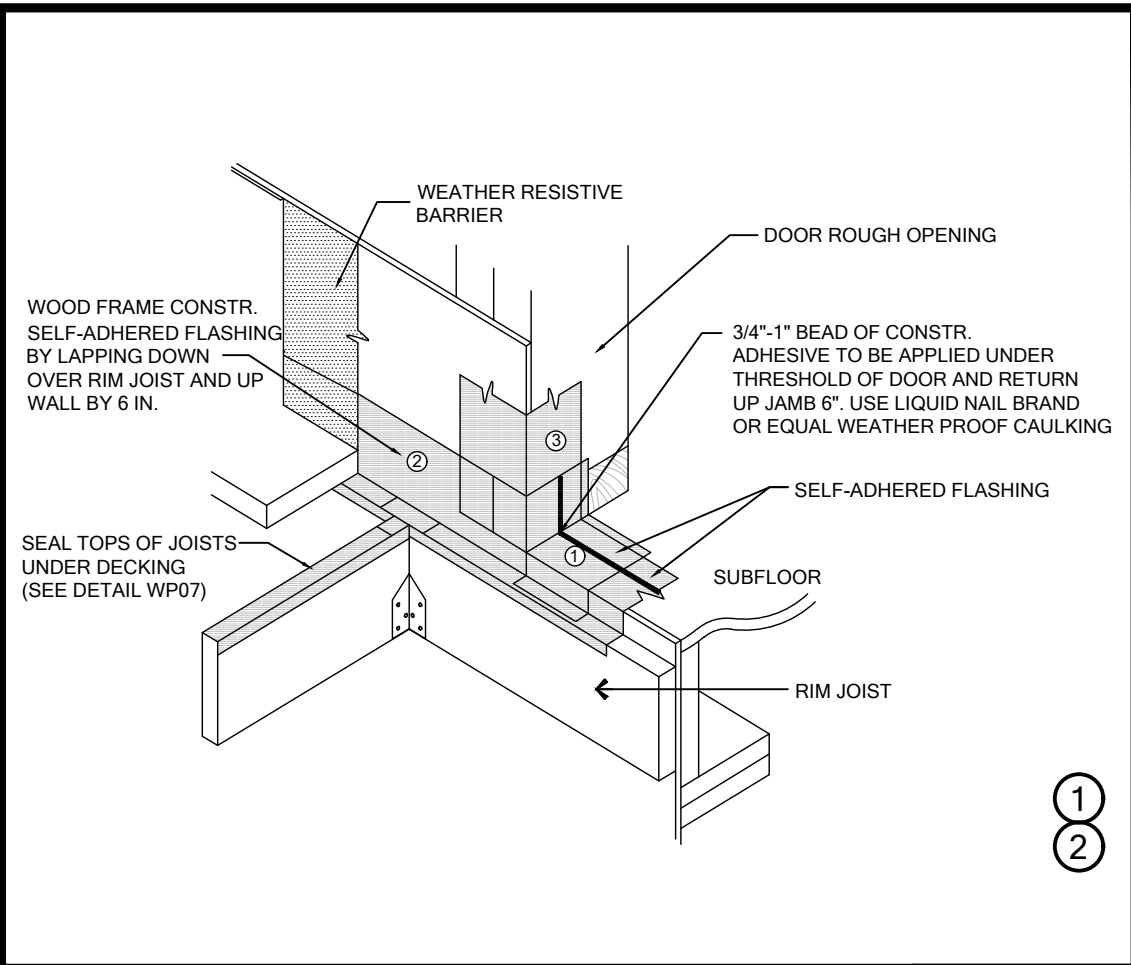
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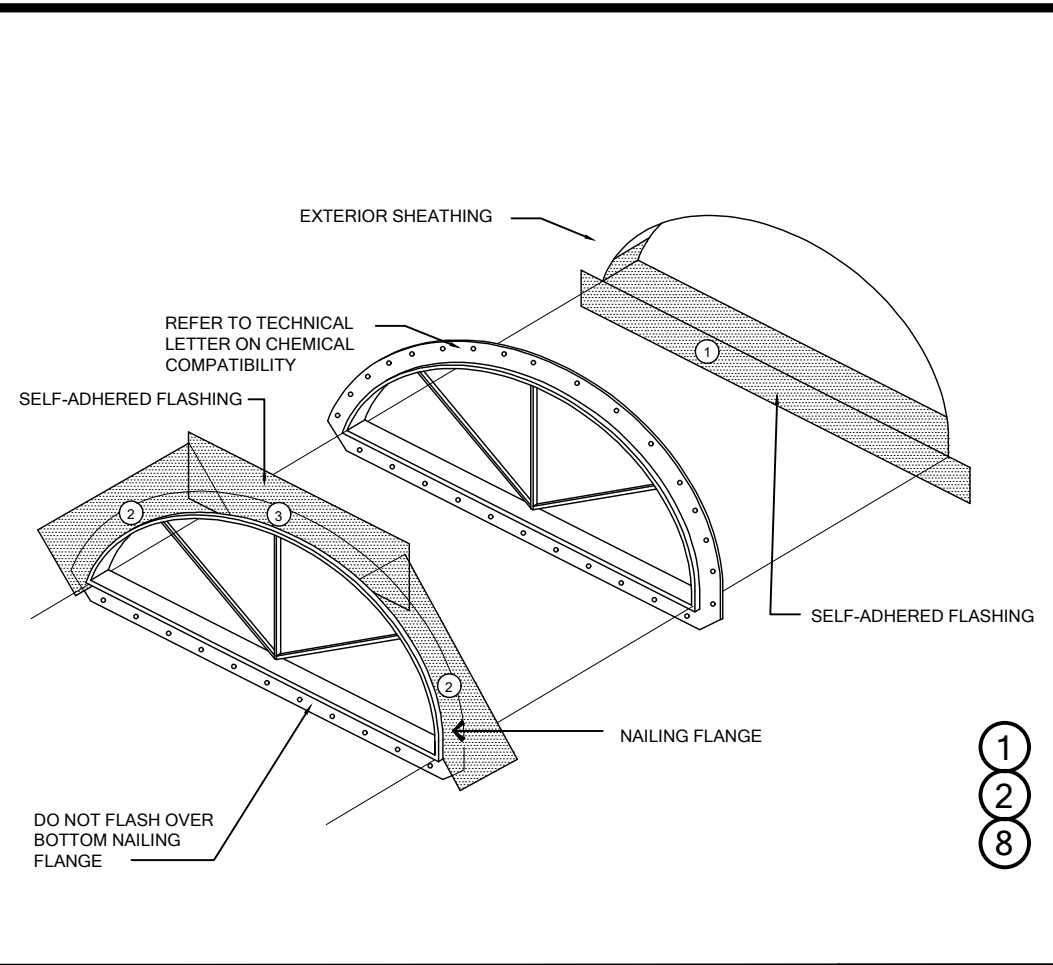
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Plan Name:	Sienna	Elev - A	
Lot:	8	Block:	
Address:	TBD SW Cadence Glen Lake City, FL 32024		
Job no.	9FC00801	Renaissance Series	
Reference No.	25-04307		
Sheet	SD-W		
DETAILS			



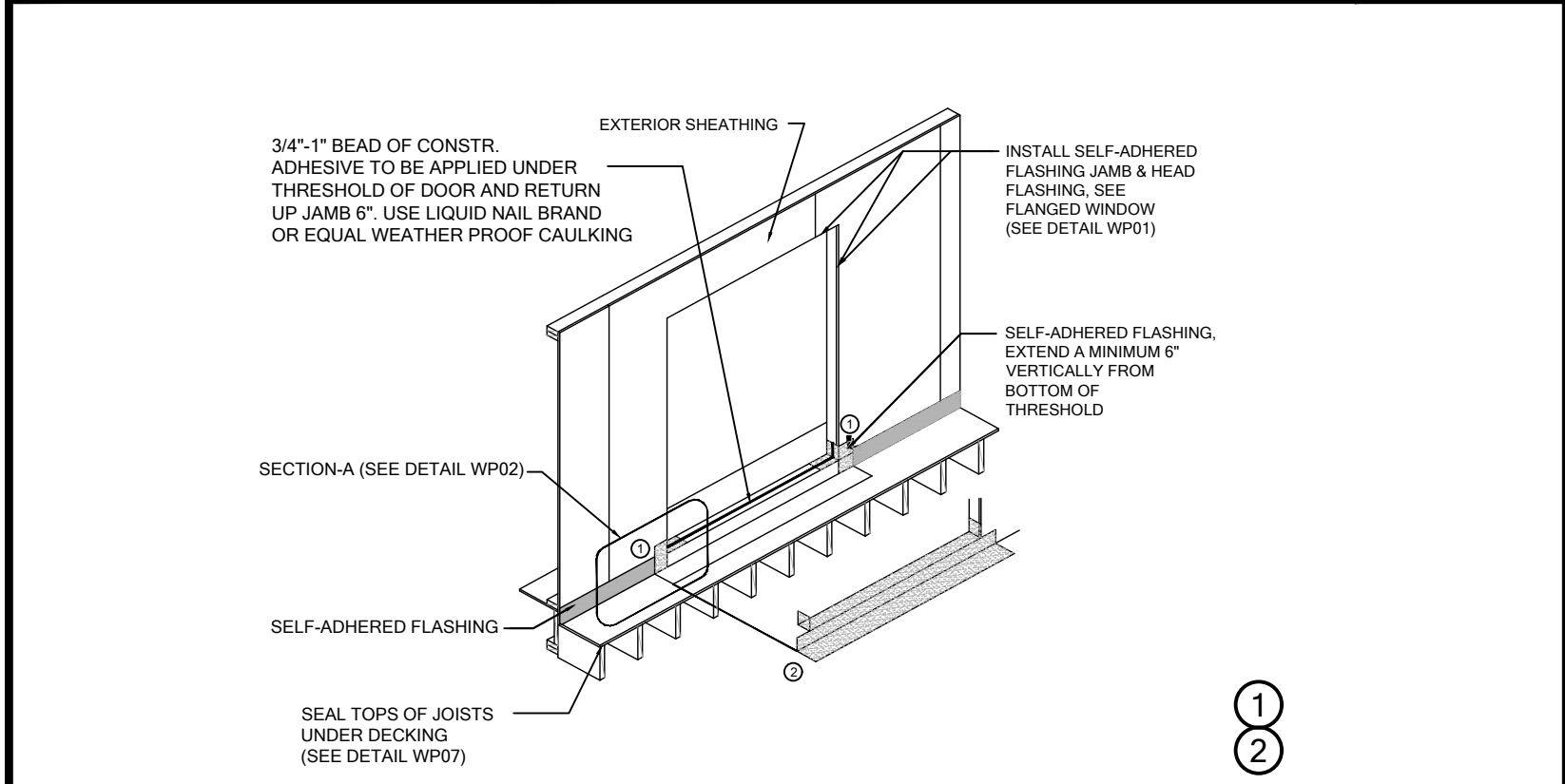
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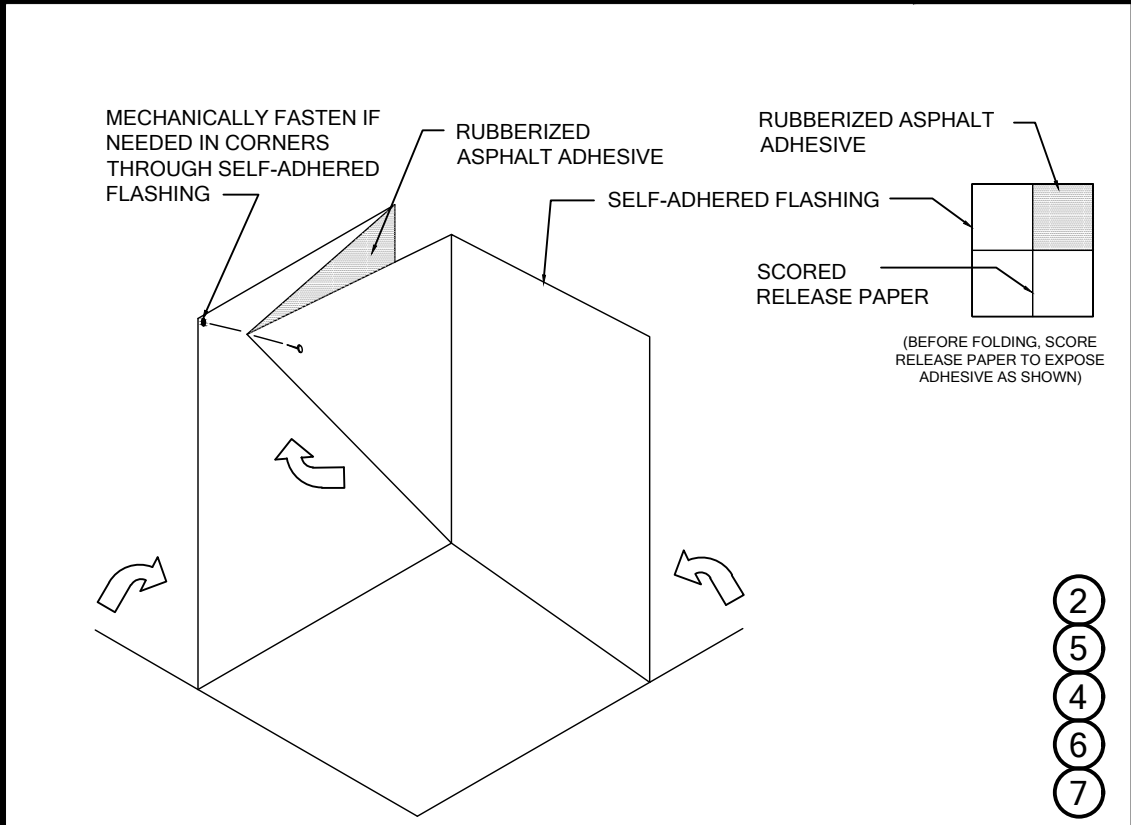
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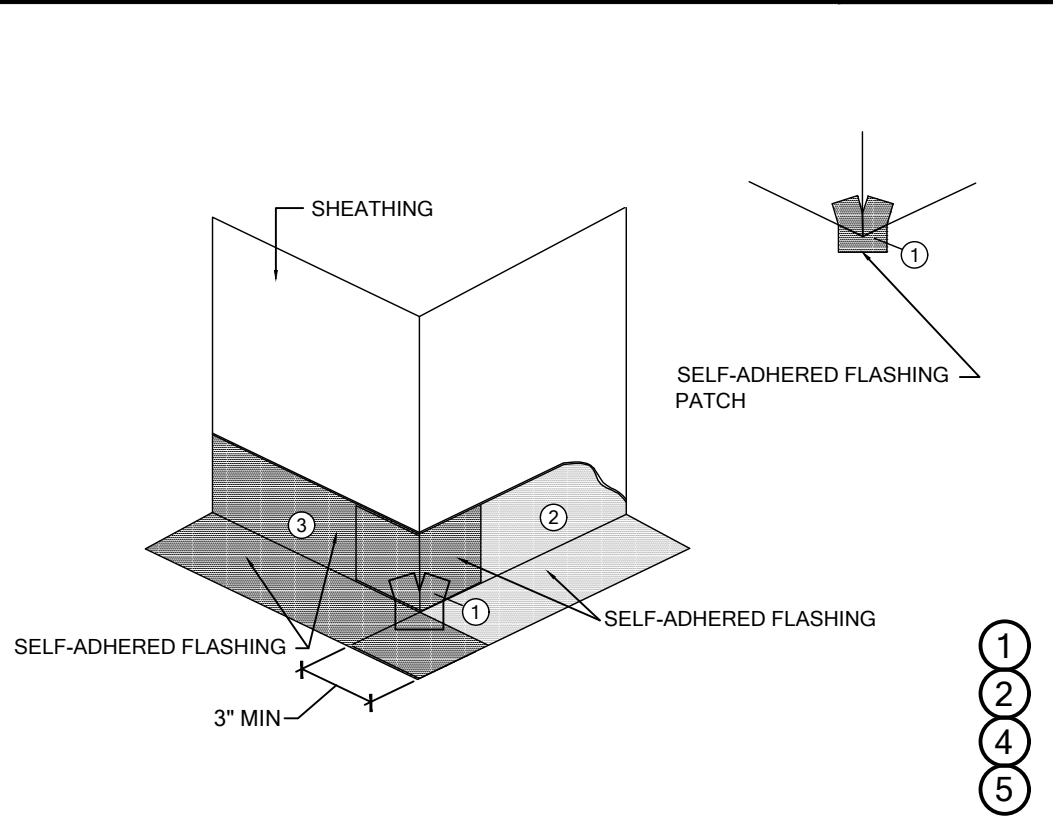
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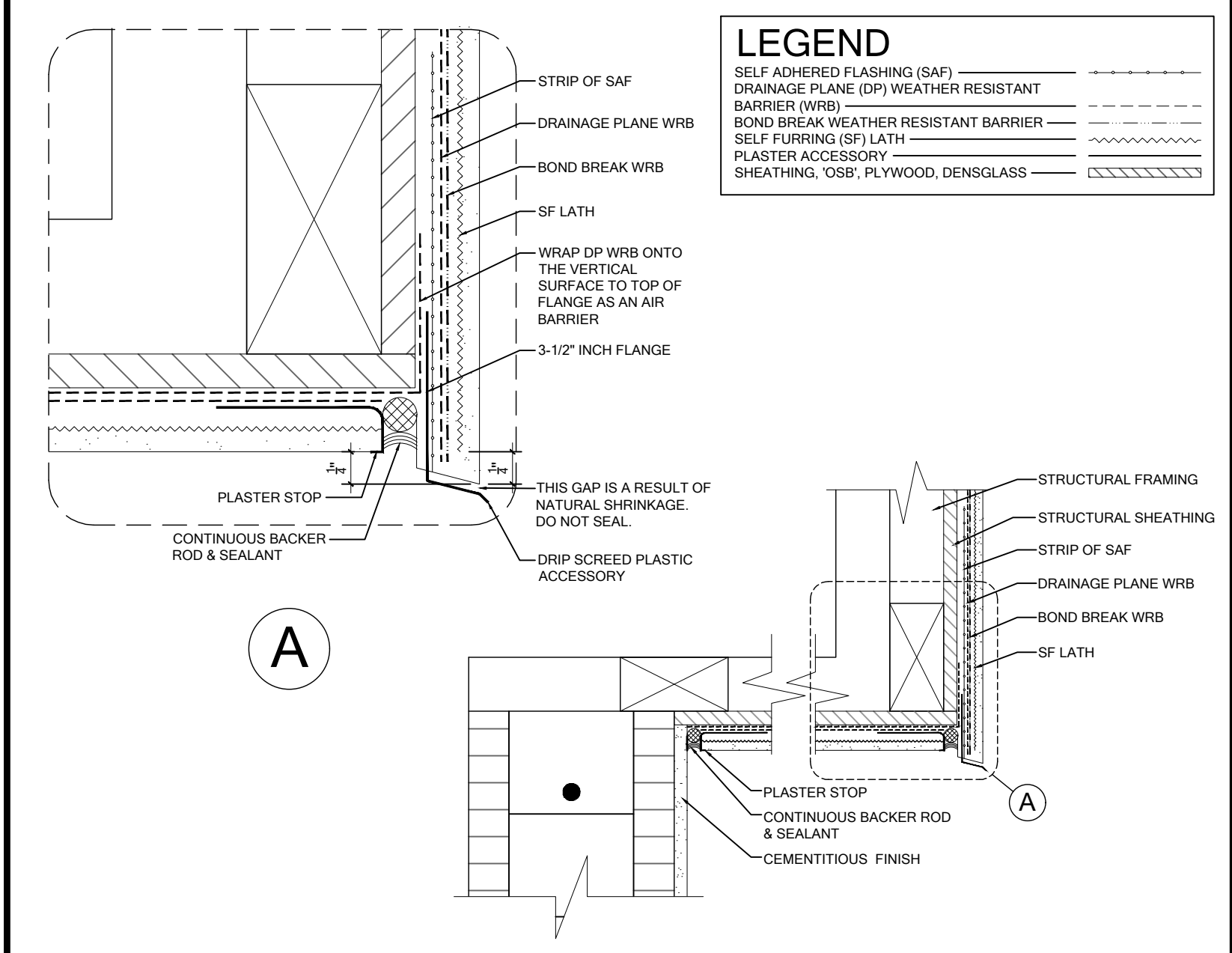
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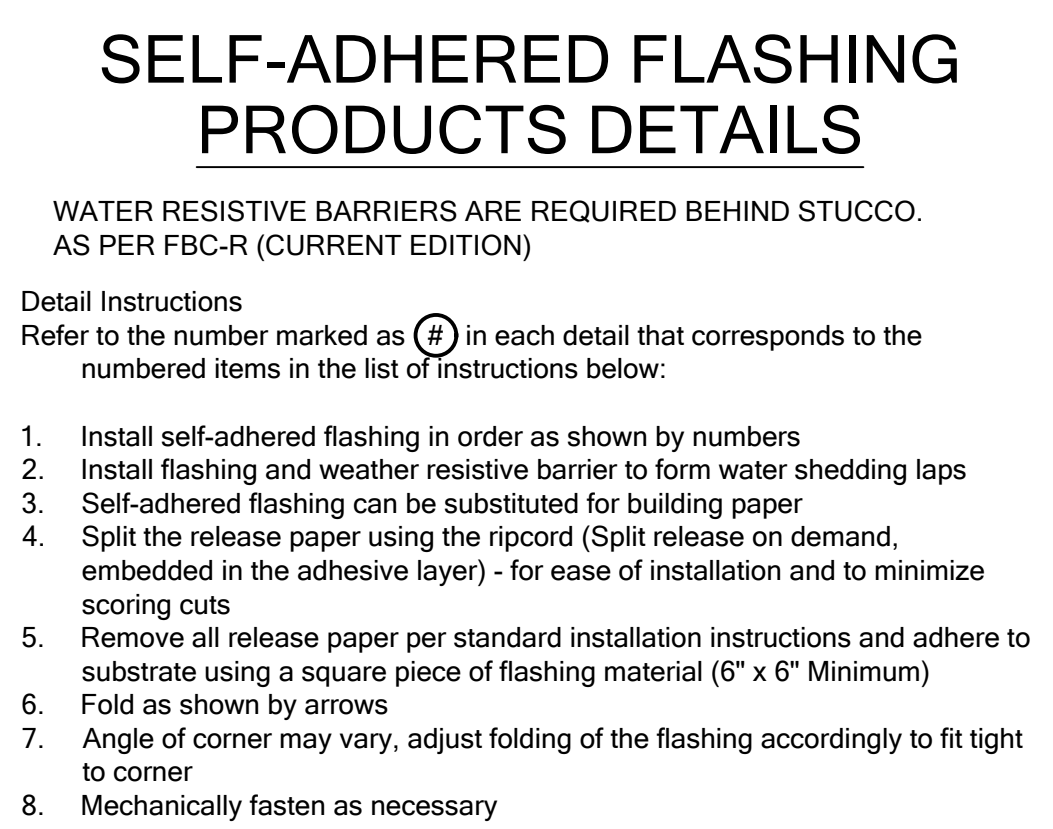
WP05



WP06



WP07



FLASHING REQUIREMENTS

R703.1 General. Exterior walls shall provide the building with a weather-resistant exterior wall envelope. The exterior wall envelope shall include flashing as described in Section R703.4.

R703.1.1 Water resistance. The exterior wall envelope shall be designed and constructed in a manner that prevents the accumulation of water within the wall assembly by providing a water-resistant barrier behind the exterior cladding as required by Section R703.2 and a means of draining to the exterior water that penetrates the exterior cladding.

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 (51 mm), and where joints occur, shall be lapped not less than 6 inches (152 mm).

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.

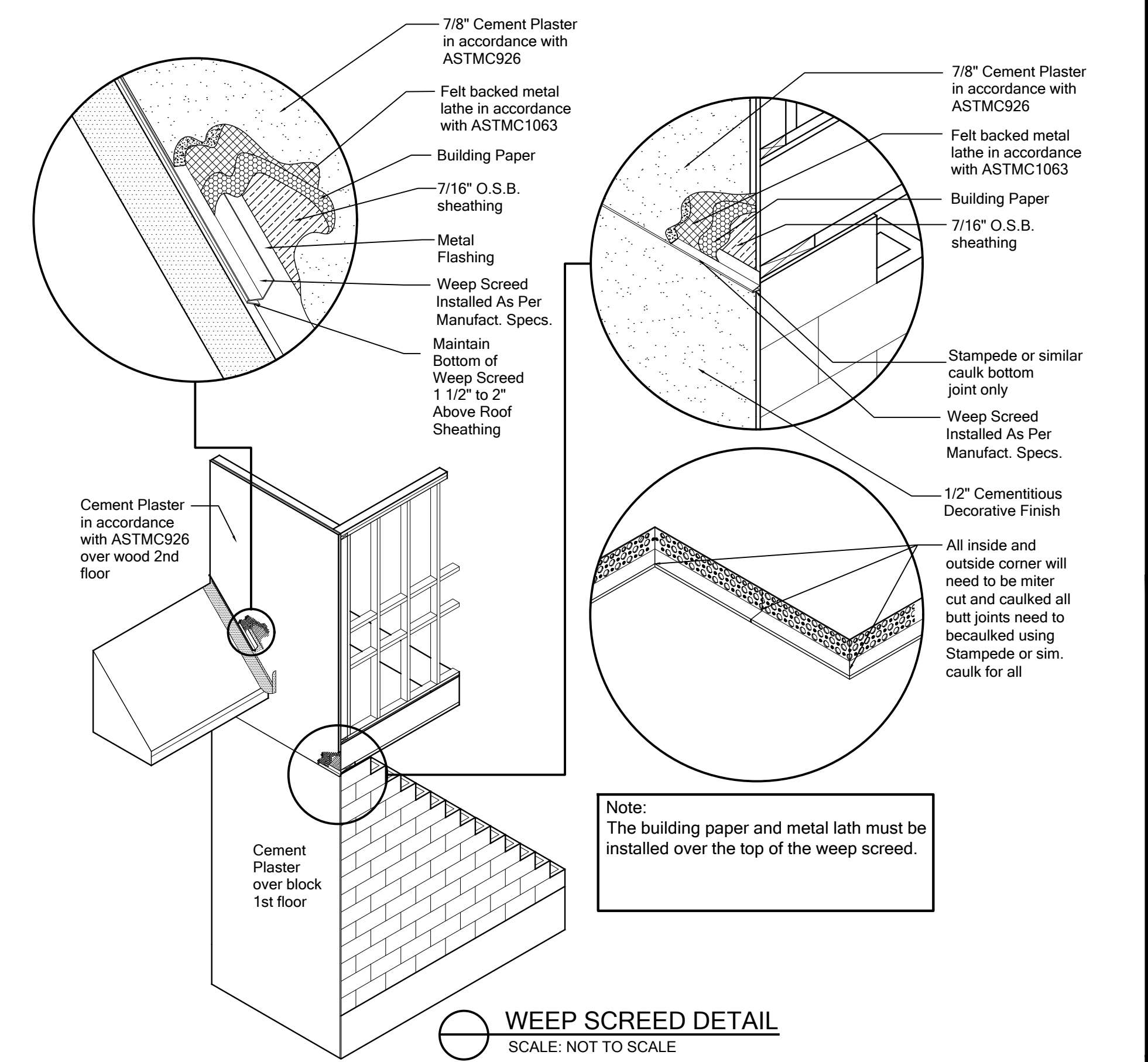
Exception: Where the water-resistive barrier that is applied over wood-based sheathing has a water resistance equal to or greater than that of 60-minute Grade D paper and is separated from the stucco by an intervening, substantially nonwater-absorbing layer or designed drainage space.

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:

1. Exterior window and door openings. Flashing at exterior window and door openings shall extend to the surface of the exterior wall finish or to the water-resistive barrier complying with Section 703.2 for subsequent drainage. Mechanically attached flexible flashings shall comply with AAMA 712. Flashing at exterior window and door openings shall be installed in accordance with one or more of the following:
 - 1.1 The fenestration manufacturer's installation and flashing instructions, or for applications not addressed in the fenestration manufacturer's instructions, in accordance with the flashing or water-resistive barrier manufacturer's instructions. Where flashing instructions or details are not provided, pan flashing shall be installed at the sill of exterior window and door openings. Pan flashing shall be sealed or sloped in such a manner as to direct water to the surface of the exterior wall finish or to the water resistive barrier for subsequent drainage. Openings using pan flashing shall incorporate flashing or protection at the head and sides.
 - 1.2 In accordance with the flashing design or method of a registered design professional.
 - 1.3 In accordance with other approved methods.
 - 1.4 In accordance with FMA/AAMA 100, FMA/ AAMA 200, FMA/WDMA 250, FMA/AAMA/ WDMA 300, FMA/AAMA/WDMA 400 or FMA/AAMA/WDMA 2710.
2. At the intersection of chimneys or other masonry construction with frame or stucco walls, with projecting lips on both sides under stucco copings.
3. Under and at the ends of masonry, wood or metal copings and sills.
4. Continuously above all projecting wood trim.
5. Where exterior porches, decks or stairs attach to a wall or floor assembly of wood-frame construction.
6. At wall and roof intersections.
7. At built-in gutters.

THESE DETAILS ARE GENERIC AND MEANT TO SHOW GENERAL FLASHING AND WATERPROOFING METHODS TO BE USED.



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Community: Forest Cove

Garage Side: Left

Plan Name: Sienna

Elev - A

Lot: 8

Block: Black

Address: TBD SW Cadence Glen Lake City, FL 32024

Job no. 9FC00801

Reference No. 25-04307

Sheet: WP

Renaissance Series

WATERPROOFING

Overdriven Fasteners in ZIP System® Sheathing

Technical Tip

Nails used to attach ZIP System sheathing to supporting framing members may occasionally penetrate beyond the face of the ZIP System panels. An ideal situation would be where fastener heads are flush with the panel surface. For this reason, the manufacturer of the fasteners used in ZIP System sheathing should be consulted to determine if the fasteners used are designed to be installed through the sheathing and into a framing member like wall studs or joists, with the fastener head penetrating into the integrated moisture barrier.

For roof applications, ZIP System sheathing is code recognized in ICC-ES ESR-1473 as a combination roof sheathing and roof underlayment. When used on a wall, ZIP System sheathing is code-recognized in ICC-ES ESR-1474 as a combination wall sheathing, air barrier and water-resistive barrier. Both International and National Building codes specify specific fastener type, size and spacing when attaching wood sheathing to framing members. The fastener type and spacing requirements listed in the building codes may vary from those required by the manufacturer. The fastener shear values required by code are based on the assumption that fasteners are installed flush with the sheathing surface. Due to variations in materials and limitations on equipment, this may be difficult to achieve in some situations. According to the TECO Fresh Tip, *Reduction in Shear Capacity Due to Overdriven Fasteners*, shear capacity could be reduced up to 20% depending on the depth and amount of fasteners that are overdriven. Please refer to technical bulletins published by APA and TECO at www.apa-direct.com and tech.bulap.com. For more information about fastener shear capacity, visit www.apa-direct.com. Consult with your local building official or design professional for any additional rating that may be required due to overdriven fasteners.

ZIP System Sheathing has been tested against water penetration in both laboratory and field conditions using standard ASTM levels of specified pressures. Panels were tested with overdriven fasteners at various depths and then compared with panels that were installed with fastener heads flush. The panels with overdriven fasteners satisfied the same performance requirements as those installed with fastener heads flush. Under some circumstances, however, the use of overdriven fasteners may result in ZIP System panels that are attached with overdriven fasteners will not void the ZIP System warranty.

Although overdriven fasteners do not affect ZIP System sheathing's ability to resist moisture, it may reduce the shear capacity of the fastener. Overdriven fasteners can reduce the amount of wind or earthquake loading a shear wall is designed to resist. This possible reduction in shear capacity is not a concern in interior walls and interior products with structural OSB® or plywood and 6 MC® specific to ZIP System.

Please contact Huber Engineered Woods at 800.933.9220 with any questions or comments.

Huber Engineered Woods, ZIP System® Sheath Panels, Sales, Inc., Lakeland, FL 33509
For more information, visit www.apaengineered.com

EVALUATION REPORT

Number 544

Originally Issued: 10/20/2017

Revised: 05/14/2024

Valid Through: 10/31/2024

handling or destruction work, also shall be sealed. Panel surfaces shall be dry and free from any significant presence of particles, sawdust, or other debris, or protrusions prior to sealing. The tape is available in rolls of varying lengths and widths and, when used for sealing panel seams, shall be a minimum of 3% (used for 95 mm wide) The tape shall be centered within ± 3/4 inch (12.7 mm) of all panel edges seen from both sides of the wall assembly. When applied to the panel edge, the panel edge ZIP System® Flexible Flashing Tape is featuring unless they create a leak path to the panel seam. It is usable with any liquid liner in line of ZIP System® Flexible Flashing Tape, a minimum of 1-inch of liquid flashing material shall be applied to each panel edge across the seams and T-joint intersections. ZIP System® liquid flash shall be installed to a minimum thickness of 12 mil (0.305 mm).

3.2.3 Substrate Preparation for Application of Cement Plaster or Adhered Masonry Veneer: Figures 1, 2, and 3 depict stucco or adhered stone wall assembly details when utilizing ZIP System wall sheathing in accordance with the IRC or IBC.

3.3 Air Permeability: A cock compliant air barrier assembly consisting of ZIP System Wall Sheathing panels installed with minimum girthly 2x4's spaced at 16 inches (406 mm), a maximum of 24 inches (610 mm) on center and sheathed with minimum 7/8-inch-thick (11.1 mm) ZIP System® Wall Sheathing panels fastened with 2-inch-long (51 mm) 6d common nails, spaced at 6 inches (152 mm) on center at the perimeter and 12 inches (305 mm) on center in the field. The joints between the panels shall be sealed with ZIP System® Flexible Flashing Tape. The air barrier assembly has an air permeance of 0.0005 cfm/ft² (0.0005 L/s/m²) and a pressure differential of 0.03 inch water gauge (75 Pa). When tested in accordance with ASTM E2357, The assembly meets the requirements for an air barrier assembly as described with Section C402.5 of the IECC.

4.0 PRODUCT DESCRIPTION

4.1 ZIP System® Wall Sheathing Panels: The ZIP System® Wall Sheathing panels are made of polyethylene resin moisture barrier surface laminated on the exterior side. The panels are installed with ZIP System® Flexible Flashing Tape at ZIP System® Liquid Flash sealing all seams, which allows the panels to be used to meet the water-resistive barrier requirements in Chapter 14 and Section 2510.6 of the IRC and Section R703.3.3 of the IRC D6 PS-2, the structural panel substrate complies with USDC D6 PS-2, it is applicable to medium density phenolic-based substrates. The panels resistance equivalent to an ASTM E2536 Type II or 60 minute Grade D water-resistant barrier. The ZIP System Wall Sheathing meets the minimum drainage efficiency of 90 percent when tested in accordance with ASTM E2273. The standard-size panels are nominally 4 feet by 8 feet

(1219 mm by 2438 mm). Panels longer than 8 feet (2438 mm) in length are produced. The panels are available in 1/8", 1/4", 3/8", 1/2", and 5/8" inch performance categories ((11.1 mm, 11.9 mm, 12.7 mm, and 15.9 mm) with either a self-spacing or square edge profile, and with a tongue-and-groove edge profile also available for the 1/8"-inch-thick (15.9 mm) panels.

5.0 IDENTIFICATION

Haber Engineered Woods ZIP System® Wall Sheathing is identified by the Huber Engineered Woods name and trademark, the product name, the evaluation report number (ER-544), and the DQO required certification mark for wood structural panels. And EPC Uniform Evaluation Evaluation Mark of Conformity may also be used as shown below:

6.0 SUBSTANTIATING DATA

6.1 ICC-ES Acceptance Criteria for Water-Resistive Membranes Factory-Bonded to Wood-Based Structural Sheathing: Used as Water Resistive Barriers (AC308) Approved January 2004.

6.2 Reports of Hygrothermal Analyses.

6.3 Report of air leakage rate testing in accordance with ASTM E2357.

6.4 Report of drainage efficiency of exterior wall installation in accordance with ASTM E2273.

6.5 Test reports are from laboratories in compliance with ISO IEC 17025.

7.0 STATEMENT OF RECOGNITION

This evaluation report describes the results of research completed by IAPMO Uniform Evaluation Service on Huber Engineered Woods ZIP System® Wall Sheathing to assess conformance to the code requirements in Section 2510.6 of the IRC and serves as documentation of the product certification. Haber Engineered Woods ZIP System® Wall Sheathing is produced at locations noted in Section 2.4 of this report under a quality control program with periodic inspection under the supervision of IAPMO UES.

For additional information about this evaluation report please visit www.iapmo-es.org or email us at info@iapmo-es.org.

Page 2 of 6

Originally Issued: 10/20/2017
Revised: 05/14/2024
Valid Through: 10/31/2024

⊗ Originally Issued: 10/20/2017 Revised: 05/14/2024 Valid Through: 10/31/2024

Originally Issued: 10/20/2017
Revised: 05/14/2024
Valid Through: 10/31/2025

Valid Through: 10/31/2022 Originally Issued: 10/20/2017 Revised: 05/14/2024 Valid Through: 10/31/2024

Figure 1 is a cross-sectional diagram of a wall assembly. The layers are labeled from left to right: 2x2 SYSTEM SHEATHING, DRAINAGE SPACE, WATER-RESISTIVE BARRIER*, LATH, EXTERIOR PLASTER (LAYERS), ADHESIVE-SACKED FLASHING TAPE, WEEP SCREED, and FOUNDATION. The diagram shows the assembly of these components on a foundation.

Figure 2 is a cross-sectional diagram of a ZIP System assembly. The diagram shows a vertical stack of materials. From top to bottom, the layers are: ZIP SYSTEM SHINGLES, DRAINAGE SPACE, WATER-RESISTIVE BARRIER, LAYER, EXTERIOR PLASTER (LATH), ADHESIVE-BACKED FLASHING TAPE, and WEATHER-RESISTIVE BARRIER. A vertical arrow on the right points upwards, labeled 'DRAINAGE SPACE'. A horizontal arrow at the bottom points to the right, labeled 'DRAINAGE SPACE'.

[illegible]

ZIP SYSTEM® WALL SHEATHING

ZIP SYSTEM® WALL SHEATHING

CSI Sections:
06 16 00 Sheathing
07 25 00 Water Resistive Barriers/Weather Barriers
07 27 00 Air Barriers

LJ RECOGNITION

Huber Engineered Woods ZIP System® Wall Sheathing described in IAPMO UES Evaluation Report ER-544 is a satisfactory alternative to the sheathing prescribed in the following codes:

- 2013 and 2020 Florida Building Code; Building (FBC, Building)
- 2013 and 2020 Florida Building Code; Residential (FBC, Residential)
- 2013 and 2020 Florida Building Code; Energy (FBC, Energy)

2.0 LIMITATIONS

Use of the ZIP System® Wall Sheathing recognized in this report supplement is subject to the following limitations:

2.1 Installation shall be in accordance with the 2021 and 2018 International Building Code and the 2021 and 2018 International Residential Code, as applicable, as noted in EB-544, and the manufacturer's published installation

2.2.2 Use of the ZIP System® Wall Sheathing for compliance with the high-velocity hurricane zone provisions of the FBC, Building, and FBC, Residential, has not been evaluated and is outside the scope of this evaluation report

2.4 For products falling under Section (5)(d) of Florida Rule 61G20-3.008, verification is required that the report holder's quality assurance program is audited by a quality assurance entity, approved by the Florida Building Commission (or the building official when the report holder does not possess an approval by the Commission), to provide oversight and

described in this evaluation report to establish continual product performance.

2.5 This supplement expires concurrently with ER-544.

One Source Square
10925 David Taylor Drive, Suite 300
Charlotte, NC 28262
(800) 933-9220
www.hubervood.com

ZIP SYSTEM® WALL SHEATHING

ZIP SYSTEM® WALL SHEATHING

CSI Sections:

- 06 16 00 Sheathing
- 07 25 00 Water Resistive Barriers/Weather Barriers
- 07 27 00 Air Barriers

1.0 RECOGNITION

- 2022 California Building Code (CBC)
- 2022 California Residential Code (CRC)

2.0 LIMITATIONS

2.1 Use and installation shall be in accordance with ER-534, and the manufacturer's published installation instructions; and the California Building Code or California Residential Code, as applicable.

2.2 The site-specific design criteria for wind speed, exposure category, and seismic design category shall be determined in accordance with Chapter 16 of the CBC or Section R.301 of the CRC, as applicable.

2.3 Special Inspections, where required for use of ZIP System® Wall Sheathing shall be in accordance with CBC Chapter 17 or Chapter 17A, as applicable for the building application in accordance with the Matrix Adoption Tables of the CBC, including special inspections for light frame construction where required by the code.

HUBER ENGINEERED WOODS, LLC
One Source Square
10925 David Taylor Drive, Suite 300
Charlotte, NC 28262
(800) 633-0370

www.huberwood.com

www.huberwood.com

07 25 00 water resistive barriers/ weather
07 27 00 Air Barriers

Huber Engineered Woods ZIP System® Wall System described in IAPMO UES Evaluation Report ER-544 LABC and LARC Supplement, has been evaluated for resistance and air leakage in accordance with the LARC, ZIP System® Wall Sheathing is recognized under the following codes:

- 2023 City of Los Angeles Building Code (LABC)
- 2023 City of Los Angeles Residential Code (LARC)

Use of the ZIP System® Wall Sheathing recognizes that the report supplement is subject to the following limitations:

2.2 Design criteria shall be determined in accordance with 2023 LABC Chapter 16 or 2023 LARC Section applicable.

Spec Home	Plan Name:	ZIP System Details	Garage Side:
	Community:		
	Lot:	Block:	Job no.
	Address:		
	▼ Reference No.		
	Sheet:	ZS-DR	

**ZIP ROOF
DETAILS**

TO THE BEST OF THE ENGINEER'S
KNOWLEDGE AND UNDERSTANDING, THE
STRUCTURAL PLANS AND SPECIFICATIONS
COMPLY WITH THE FLORIDA BUILDING
CODE SIGNED AND SEALED FOR THE
STRUCTURAL PORTION OF THIS DRAWING.

NARCONDA
Homes

3983 West First Street | Sanford, FL 32771 | (407) 302-9871

▼	Plan Revisions Date:
1	1-25-21 Revised to 2020 7th Edition codes
2	1-1-24 2023 8th Edition Code
3	
4	
5	
6	
7	
8	
9	
10	
11	
12	
13	
14	

Tech: FRAND
Scale: AS SHOWN

The logo features the letters 'TS&H' in a large, bold, blue serif font, enclosed within a blue rectangular border. To the right of the logo, the tagline 'Making Dreams Come True' is written vertically in a black, cursive script.

WIN-M1

FLORIDA PRODUCT APPROVAL FL # 17894.3

[illegible]

VERTICAL CROSS SECTION
WOOD FRAMING OR 2X BUCK INSTALLATION

EXTERIOR

INTERIOR

JAMB INSTALLATION DETAIL
WOOD FRAMING OR 2X BUCK INSTALLATION

NOTES:

1. EXTERIOR AND INTERIOR FINISHES, BY OTHERS, NOT SHOWN FOR CLARITY.
2. PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED IN ACCORDANCE WITH ASTM E2121

REV	DESCRIPTION	DATE	BY	APP'D
A	ADDED FLANGE INSTALLATIONS	12/10/13	R/L	
B	REVISED INSTALLATION DETAILS	08/05/15	R/L	
C	REVISED INSTALLATION DETAILS	06/21/17	R/L	

SIGNED: 06/21/2017

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

SERIES 430/440 XIX SGO
143" x 96" REINFORCED WITHOUT ADAPTER
FLANGE INSTALLATION DETAILS

Drawn: **V.L.** Date: **08-02-250** By: **C**

Scale: **N.T.S.** Date: **10/30/13** Page: **6 of 9**

1402 WOODFORD RD LEWISVILLE, NC 27033
434-688-1880 info@miwindows.com

Luiz R. Lomas P.E.
FL No.: 82314

REV	DESCRIPTION	DATE	APPROVED
A	ADDED FLANGE INSTALLATIONS	12/10/13	R.L.
B	REVISED INSTALLATION DETAILS	08/02/15	R.L.
C	REVISED INSTALLATION DETAILS	08/21/17	R.L.

INTERIOR

1 5/8" MIN. EDGE DIST.

TRIM

MASONRY/CONCRETE BY OTHERS

HOOK STRIP

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

3/16" GAP

1 3/4" MIN. EMBEDMENT

EXTERIOR

HOOK STRIP INSTALLATION

MASONRY/CONCRETE

INTERIOR

1 1/2" MIN. EDGE DISTANCE

METAL STRUCTURE BY OTHERS

TRIM

HOOK STRIP

#10 SELF DRILLING SCREW

1 3/8" MIN. EMBEDMENT

3/16" GAP

1 3/4" MIN. EMBEDMENT

#10 WOOD SCREW

1 1/2" MIN. EDGE DISTANCE

EXTERIOR

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
GRATA, PA 17030

SERIES 430/440 XIX SGD

143" x 96" REINFORCED WITHOUT ADAPTER

HOOK INSTALLATION DETAILS

DRAWN V.L.	DWG NO. 08-02250	REV C	DATE NTS
1. ROBERTO LOMAS P.E. 1402 WOODFORD RD LANSDALE, IL 60433 204-683-0001 - 604-683-0002@miwindows.com		1. PREP OP 9	

SIGNED: 06/21/2017

FLORIDA PRODUCT APPROVAL FL #17894.4

CONCRETE/MASONRY BY OTHERS

OPTIONAL 1X BUCK SEE NOTES 3 - 7 SHEET 1

BACKER ROD & APPROVED SEALANT

1/4" MAX. SHIM SPACE

3/16" TAPCON

1 1/4" MIN. EMBEDMENT

1 1/4" MAX. SHIM SPACE

OPTIONAL 1X BUCK SEE NOTES 3 - 7 SHEET 1

3/16" TAPCON

2 1/2" MAX. EDGE DISTANCE

BACKER ROD & APPROVED SEALANT

REVISIONS

REV	DESCRIPTION	DATE	APPROVED
A	REVISED ANCHORS	05/03/13	R.L.
B	REVISED INSTALLATION DETAILS	07/10/15	R.L.

NOTES:

- INTERIOR AND EXTERIOR FINISHES BY OTHERS. NOT SHOWN FOR CLARITY.
- PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED IN ACCORDANCE WITH ASTM E212

SIGNED: 07/13/2015

MI WINDOWS AND DOORS
650 WEST MARKET ST.
GRATE PA 17030-0370

SERIES 3500 HP FLANGE PVC SINGLE HUNG WINDOW
ALUMINUM REINFORCED NON-IMPACT
ELEVATION AND NOTES

DRAWN: R.L.
SCALE: NTS
DATE: 06/08/12
SHEET 5 OF 5

ENG. NO.: 08-01730
REV: B

10-22516
STATE OF PENNSYLVANIA
PROFESSIONAL SEAL
JULY 11, 2015

FL #15332
FL #17894

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

FLORIDA:
THIS STRUCTURE WAS DESIGNED
IN ACCORDANCE AND MEETS THE
REQUIREMENTS OF SECTION
R301 OF THE FLORIDA BUILDING
CODE 8th EDITION (2023) :
RESIDENTIAL ALL CONNECTORS
HAVE BEEN CHECK'D TO
WITHSTAND ALL APPLICABLE
LOADS AND DESIGN CRITERIA
STATED ON THE COVER SHEET.

DESIGNED WIND SPEED
Vult = 160 MPH

DRAWN BY: _____
RELEASE DATE: JULY 6, 2015

SHEET:

WIN-V2

