

NEW RESIDENCE DESIGNED FOR:
AUSTIN & NIKKI TINKLEY



DESIGN PRESSURES

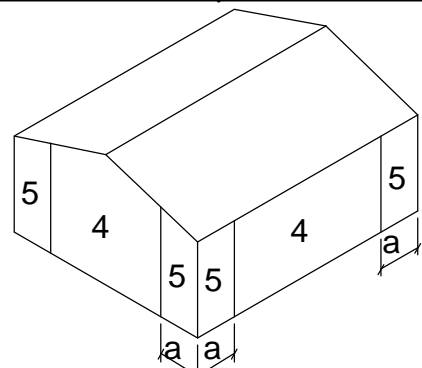
WIND DESIGN LOAD INFORMATION

WIND SPEED (ULTIMATE)	139 mph
WIND SPEED (ALLOWABLE)	108 mph
WIND EXPOSURE	B
RISK CATEGORY	II
BUILDING TYPE	V B
ENCLOSURE CLASSIFICATION	ENCLOSED
INTERNAL PRESSURE COEFFICIENT	+/- 0.18

EFFECTIVE WIND AREA (SQ FT)	WIND PRESSURE & SUCTION (PSF) (+) VALUE DENOTES PRESSURE (-) VALUE DENOTES SUCTION	
	4	5
AREA		
10	(+) 21.2 (-) 22.9	(+) 21.2 (-) 28.3
20	(+) 20.2 (-) 22.0	(+) 20.2 (-) 26.4
50	(+) 19.0 (-) 20.7	(+) 19.0 (-) 23.9
100	(+) 18.0 (-) 19.8	(+) 18.0 (-) 22.0

GARAGE DOORS	9'-0" x 7'-0"	16'-0" x 7'-0"
	(+) 18.5 (-) 20.9	(+) 17.7 (-) 19.7

WIND PRESSURE/
SUCTION DIAGRAM



STANDARD DESIGN PRESSURE NOTES

- ASCE 7-16 WALL DESIGN ALLOWABLE COMPONENTS AND CLADDING WIND PRESSURES AND SUCTIONS PER FLORIDA BUILDING CODE 7th EDITION (2020). WIND SPEED IS BASED ON LINEAR INTERPOLATION FOR THIS SITE.
- MEAN ROOF HEIGHT FOR A TYPICAL SINGLE STORY HOME IS 15FT, 2 STORY HOME IS 30FT
- MULTIPLY THE ABOVE PRESSURES BY 1.67 TO GET ULTIMATE WIND PRESSURES.
- "a" = END ZONE IS ONLY W/IN 5'-0" OF ALL EXTERIOR BUILDING CORNERS.
- INDICATED PRESSURES CAN BE INTERPOLATED FOR OTHER DOOR SIZES, OTHERWISE USE LOAD ASSOCIATED WITH THE LOWER EFFECTIVE AREAS.
- DESIGNATED AREAS WHERE THE ULTIMATE WIND SPEED IS 140 MPH OR GREATER IS CONSIDERED TO BE IN THE WIND-BOURNE DEBRIS REGION. GLAZED OPENING PROTECTION IS REQUIRED AND SHALL BE PROVIDED PER SECTION R301.2.1.2 OF THE FLORIDA BUILDING CODE - RESIDENTIAL, CURRENT EDITION.

BUILDING AUTHORITY

SEMINOLE COUNTY
1101 EAST 1ST STREET
SANFORD, FL 32771
407-665-7050

CONTACT INFORMATION

PROPERTY OWNER:
STEVEN & TERI GEGNER

ENGINEER OF RECORD:
JUSTIN SOLITRO, PE
WEIRSTONE, LLC
480 NEEDLES TRAIL
LONGWOOD, FL 32779
407-310-3075

BUILDING CODES

BUILDING:	FLORIDA BUILDING CODE- 2020
FIRE:	FLORIDA FIRE PREVENTION CODE- 2020
PLUMBING:	FLORIDA BUILDING CODE, PLUMBING 2020
MECHANICAL:	FLORIDA BUILDING CODE, MECHANICAL 2020
ELECTRICAL:	FLORIDA BUILDING CODE, ELECTRICAL 2017 NFPA-70 (NEC) NATIONAL ELECTRIC CODE
ACCESSIBILITY:	FLORIDA BUILDING CODE, BUILDING 2020 CHAPTER 11- FLORIDA ACCESSIBILITY CODE FOR BUILDING CONSTRUCTION
ENERGY:	FLORIDA BUILDING CODE, BUILDING 2020 CHAPTER 13- FLORIDA ENERGY EFFICIENCY FOR BUILDING CONSTRUCTION

DRAWING INDEX

- A1 COVER SHEET
- A2 FOUNDATION PLAN
- A3 BLOCK PLAN
- A4 FLOOR PLAN
- A5 DIMENSION PLAN
- A6 ELECTRICAL PLAN
- A7 FRONT & REAR ELEVATIONS
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- A11 STRUCTURAL NOTES
- A12 STRUCTURAL DETAILS
- A13 STRUCTURAL DETAILS
- A14 STRUCTURAL DETAILS
- A15 STRUCTURAL DETAILS
- A16 STRUCTURAL DETAILS
- A17 NOTES & CONNECTORS
- A18 WATERPROOFING DETAILS
- A19 SECTIONS
- C1 SITE PLAN

SCOPE OF WORK

CONSTRUCT NEW TWO-STORY RESIDENCE

THIS STRUCTURE HAS BEEN DESIGNED TO MEET OR EXCEED THE 140 MPH WIND LOAD REQUIREMENTS OF SECTION III OF THE FLORIDA BUILDING CODE 2020 EDITION RESIDENTIAL

THIS STRUCTURE HAS BEEN DESIGNED TO MEET OR EXCEED THE THE MECHANICAL, ELECTRICAL & PLUMBING REQUIREMENTS OF ALL APPLICABLE STATE AND LOCAL CODES AND ORDINANCE.

CONSTRUCTION TYPE V-B

RESIDENTIAL

NUMBER OF STORIES- ONE
BUILDING HEIGHT-
20' MAX.

NUMBER OF STORIES- TWO
BUILDING HEIGHT-
35' MAX.

REVISIONS

BY



JUSTIN SOLITRO

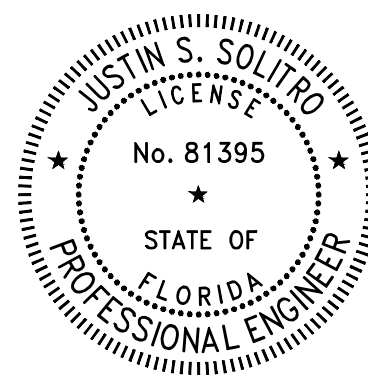
PROFESSIONAL ENGINEER - 81395
Weirstone, LLC D.B.A. FLA Plans
480 Needles Trail, Longwood FL 32779
407.310.3075 / justin@weirstone.com

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NEW RESIDENCE FOR
AUSTIN & NIKKI TINKLEY
LOT 32 BLK A MEREDITH MANOR NOB HILL
214 NOB HILL CIRCLE
LONGWOOD, FL 32779

This structure has been designed to withstand the forces generated by 140 m.p.h., winds plus three second gust factor in compliance with section 1609 of 2020 Florida Building Code Residential, Revisions and Supplements.



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JS

DESIGN BY:

JS

DATE:

04/14/2023

CHECKED BY:

JS

JOB #:

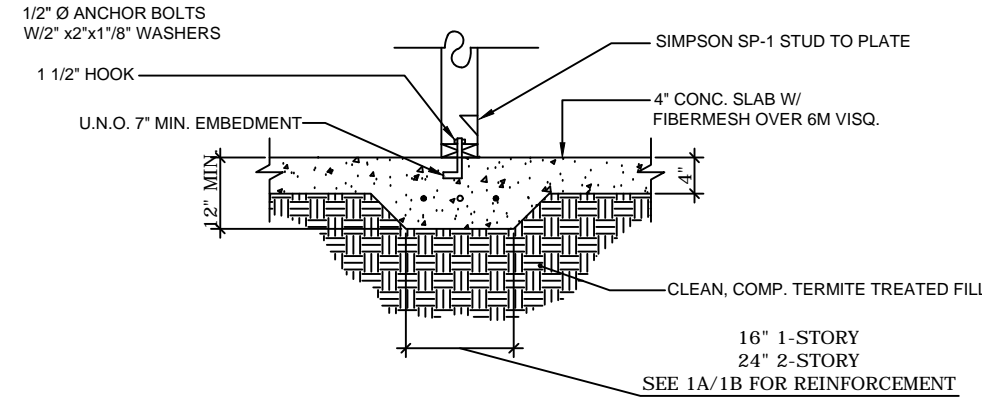
230414

SCALE:

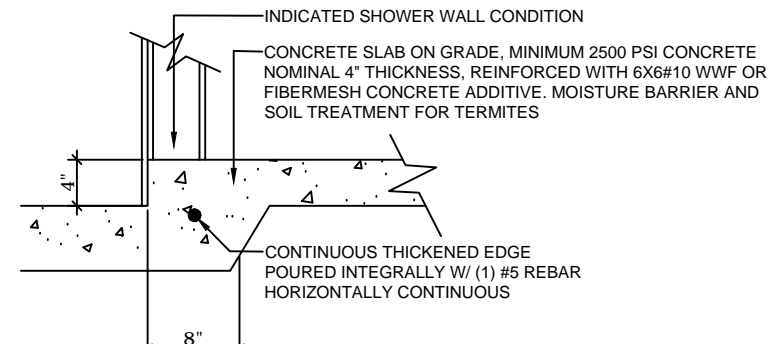
AS NOTED

SHEET

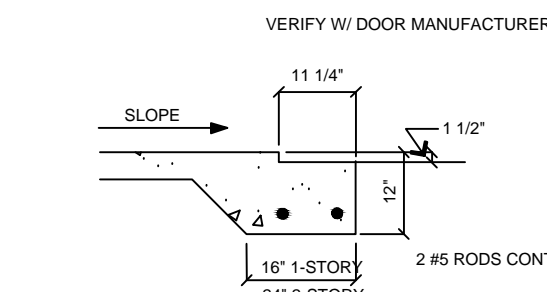
A1



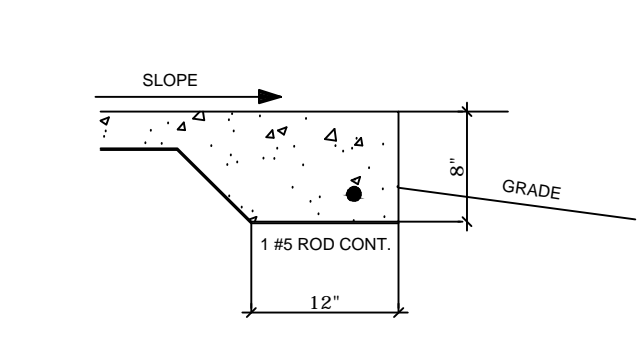
INT.BRG. WALL FOOTER DET.



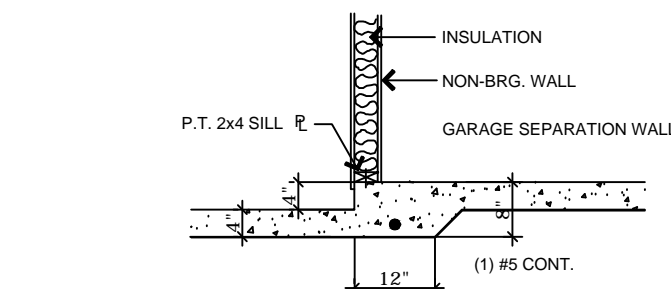
SUNKEN SHOWER FOOTING DETAIL



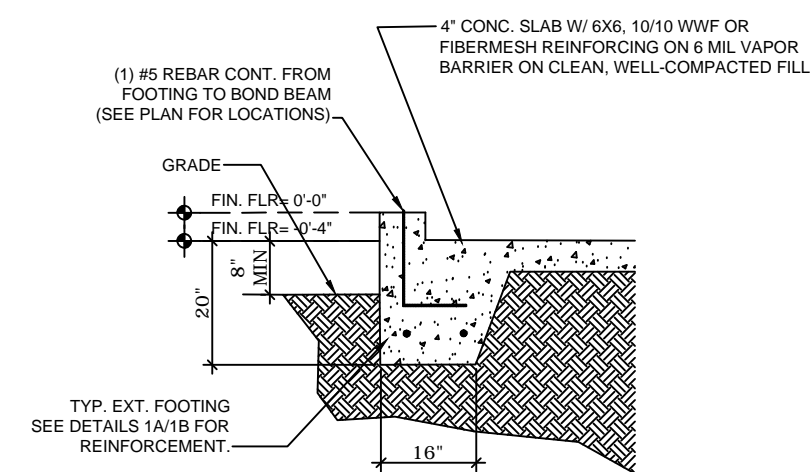
SLAB @ GARAGE DOOR



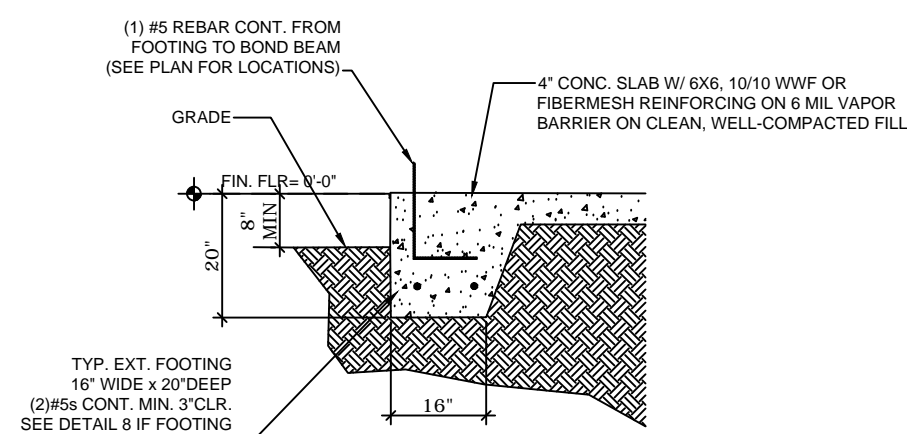
PATIO SLAB



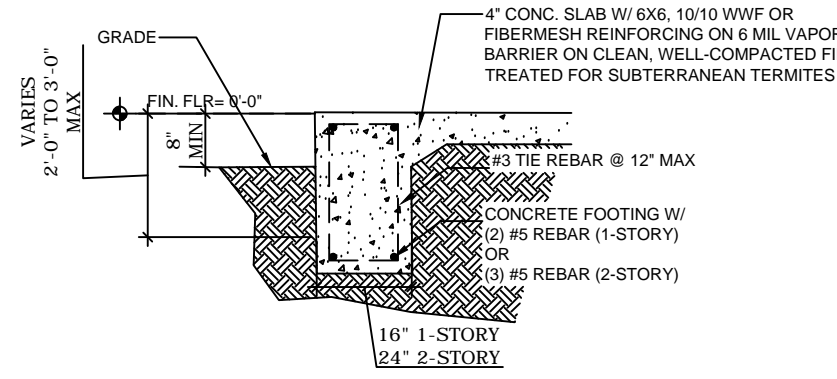
NON BRG. WALL



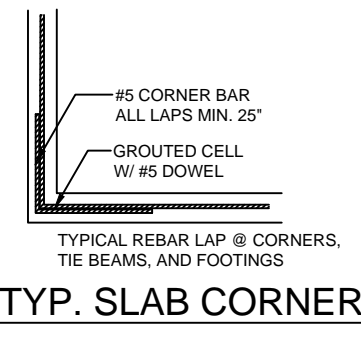
GARAGE FOOTING 1-STORY



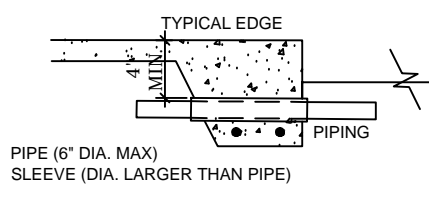
1-STORY FOOTING



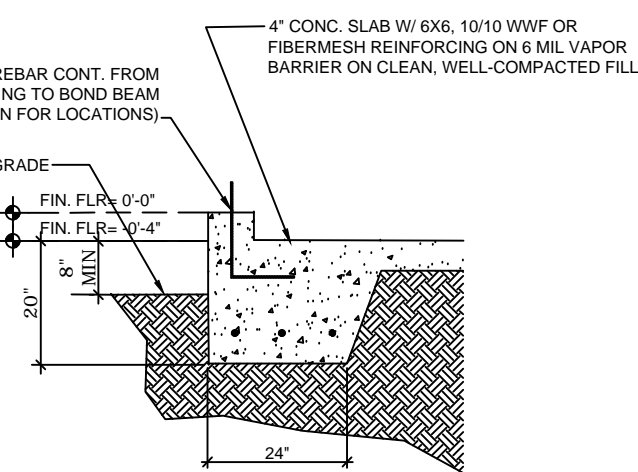
PERIMETER FOOTING



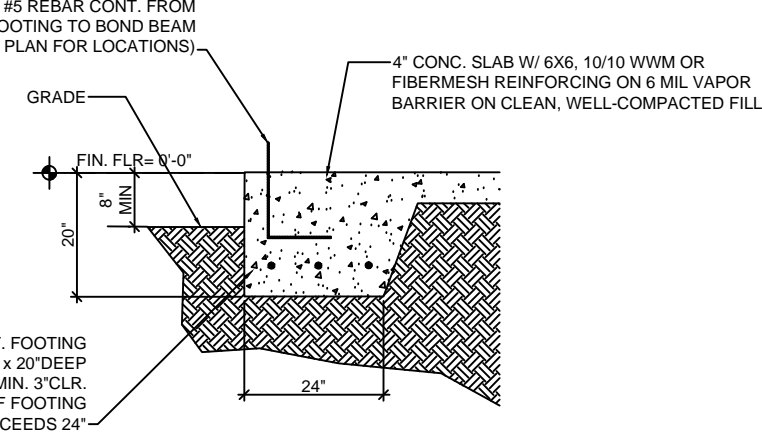
TYP. SLAB CORNER



PENETRATION DETAIL

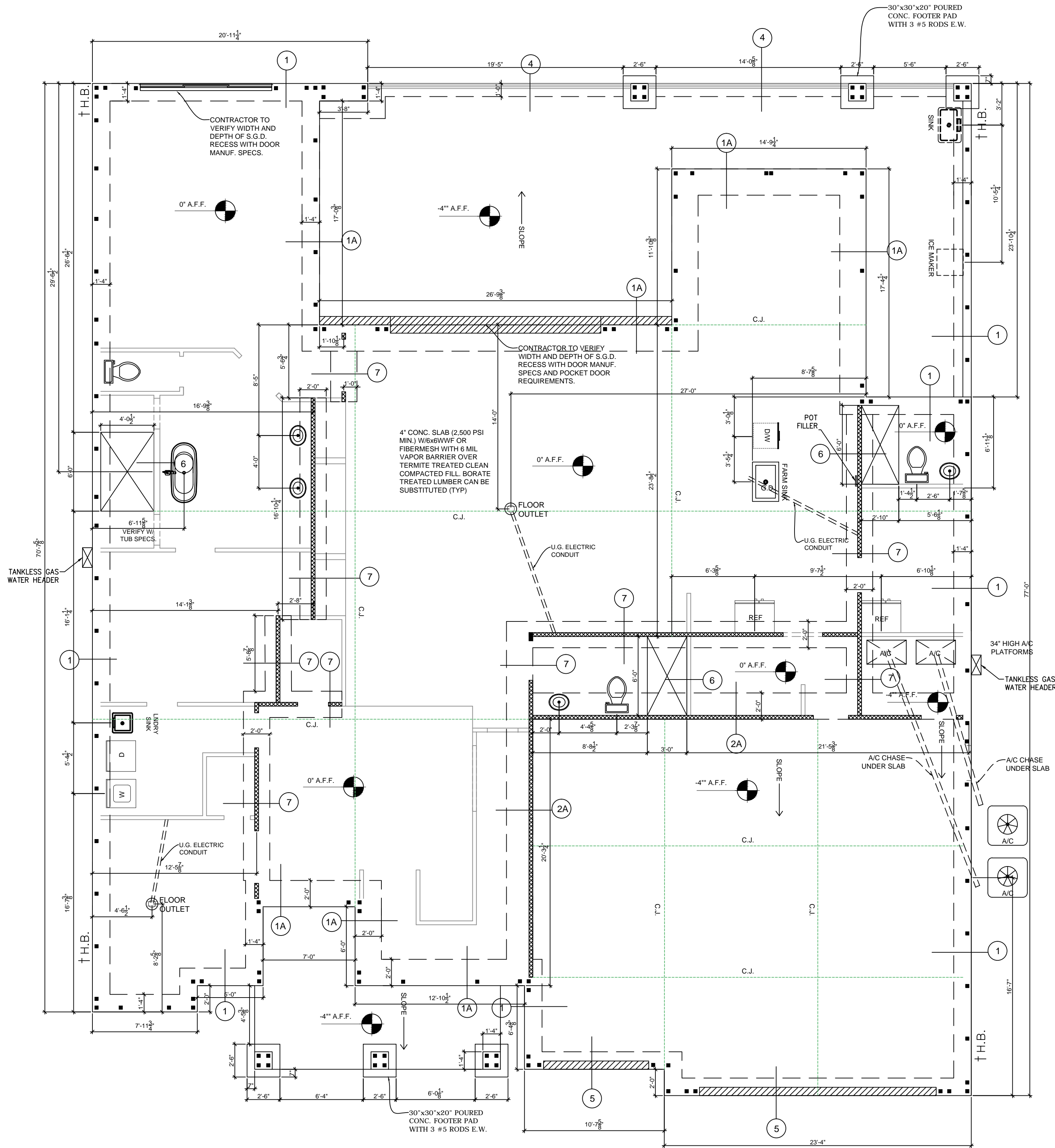


GARAGE FOOTING 2-STORY



2-STORY FOOTING

BORATE
TREATMENT TO BE
USED FOR THIS
PROJECT. TERMITE
TREATED FILL NOT
REQUIRED.



NOTES:

1. PROVIDE MIN. 6 MIL. APPROVED VAPOR BARRIER. ALL JOINTS TO BE LAPPED MIN. 6" AND SEALED. REFER TO FBC-R CURRENT EDITION SECTION R506.3 FOR REQUIRED LOCATIONS.
2. PROVIDE 4" THICK 2,500 PSI CONC. SLAB W/ 6x6xW1.4xW1.4 WELDED WIRE FABRIC (WWF), PLACED IN MIDDLE TO UPPER 1/3 OF SLAB DEPTH OVER 6 MIL. VAPOR BARRIER ON COMPACTED FILL (FIBER MESH MAY BE USED IN I.L.O. WWF, WHEN FIBER MESH MEETS OR EXCEEDS SPECIFICATIONS SET FORTH IN CURRENT CODE EDITION).
3. VERT. #5 BAR TO BE HOOKED AT TOP & BOTTOM (FTG. & TIE BEAM ENDS) W/ MIN. 12 BAR DIAMETER LEGS EXCLUDING BEND @ EA. END. LAP SPLICES SHALL BE NO LESS THAN 25".
4. CONSULT W/ MAN. SPECIFICATIONS PRIOR TO POURING OR RECESSING DOOR SILLS. INSWING DOORS WITH COVER (MIN. 5 FT RADIUS IN ALL DIRECTIONS FOR SIDES OF DOOR) DO NOT NEED A RECESS AT SLAB. IF MIN COVER IS NOT MET IN ANY DIRECTION, A RECESS IS REQ'D & CONTRACTOR TO FOLLOW THE TYP. RECESS DETAIL. INSWING DOORS WITH NO COVER REQUIRE A RECESS.
4. EXTERIOR SLABS SHALL SLOPE MIN. 1/8" PER FOOT AWAY FROM HOUSE.
5. CONTROL JOINTS (IF SHOWN) ARE NOT REQ'D BY CODE BUT ARE SUGGESTED (ESPECIALLY WHEN USING FIBER REINF. CONC.) CONTROL JOINTS TO BE SAW CUT A DEPTH OF 1/4" OF THE THICKNESS OF THE SLAB. FILL CUT W/ APPROVED JOINT MATERIAL OR USE ALTERNATIVE APPROVED METHOD.
6. MECHANICAL EQUIP. LOCATIONS WILL BE DETERMINED BY COMMUNITY & COUNTY CODES.
7. FOUNDATIONS AND SUPPORTS FOR OUTDOOR MECHANICAL EQUIPMENT SHALL BE RAISED AT LEAST 3" ABOVE THE FINISHED GRADE AND SHALL ALSO CONFORM TO THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.
8. NO WOOD STAKES PERMITTED IN FOUNDATION.
9. PENDING SITE CONDITIONS, FOUNDATION MAY NEED TO BE STEPPED DOWN. GC TO DETERMINE STEP LOCATIONS IF REQUIRED.
10. ANY EQUIPMENT OR APPLIANCES HAVING AN IGNITION SOURCE SHALL BE ELEVATED A MIN. OF 18". CONTRACTOR TO PROVIDE SUCH PLATFORM W/ EITHER MASONRY OR WOOD CONSTRUCTION.
11. FIELD VERIFY ALL GAS LINE, ELECTRICAL, AND PLUMBING LOCATIONS PRIOR TO POURING SLAB.

REVISIONS

BY



JUSTIN SOLITRO

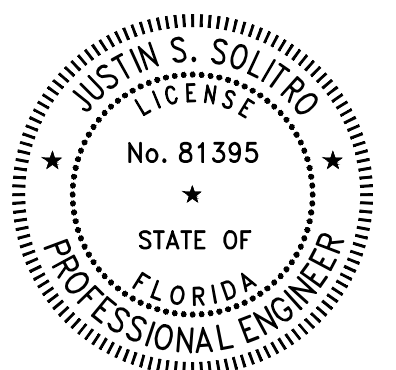
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DRAWN BY:
JS

DATE:
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JOB #:
230414

DESIGN BY:
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CHECKED BY:
JS

SCALE:
AS NOTED

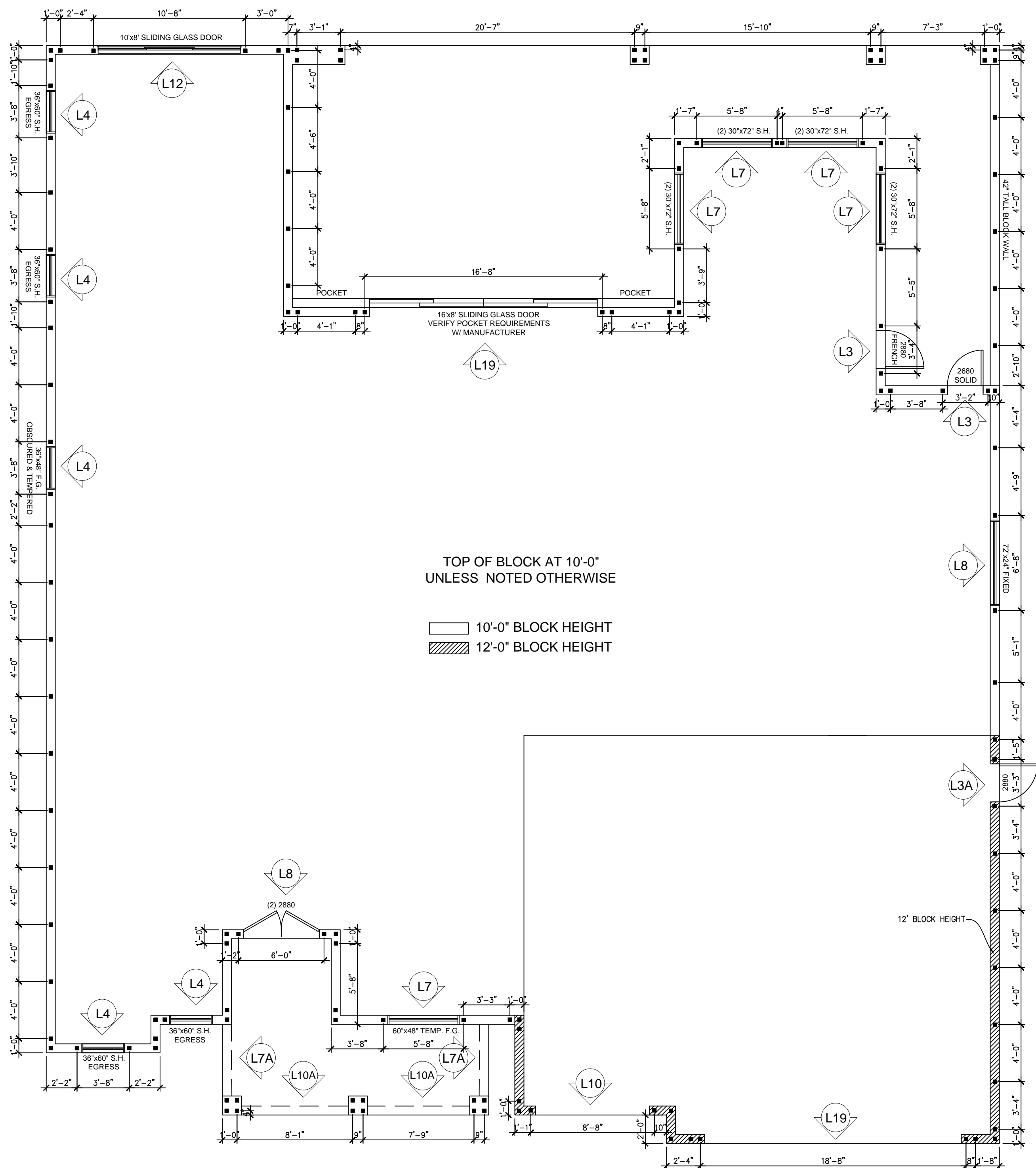
XXXXXXXXXXXXX DENOTES LOAD BEARING WALL

FOUNDATION PLAN

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

SHEET

A2



8" PRECAST U-LINTELS

SAFE LOADS (LB/FT)

CAST-crete		GRAVITY									
		TYPE OF LINTEL	8F8-0B	8F12-0B	8F16-0B	8F20-0B	8F24-0B	8F28-0B	8F32-0B	8F8-1B	8F12-1B
OVERALL LINTEL LENGTH			8F8-1B	8F12-1B	8F16-1B	8F20-1B	8F24-1B	8F28-1B	8F32-1B		
2'-8" to 3'-6"	PRECAST	2231	3069	3719	6163	6607	6654	6692	10961		
3'-7" to 4'-0"	PRECAST	1966	2561	2751	3820	4890	5961	7034	8107		
4'-1" to 4'-6"	PRECAST	1599	1969	2110	2931	3763	4576	5400	6224		
4'-7" to 5'-4"	PRECAST	1217	1683	1806	2561	3396	4226	5056	5886		
5'-5" to 5'-10"	PRECAST	1062	1451	1573	2262	3096	3926	4756	5586		
5'-11" to 6'-6"	PRECAST	968	1238	1360	1969	2603	3237	3871	4505		
6'-7" to 7'-6"	PRECAST	743	1011	1133	1625	2117	2609	3101	3593		
7'-7" to 9'-4"	PRECAST	564	782	875	1245	1633	2021	2409	2797		
9'-5" to 10'-6"	PRECAST	475	643	715	1052	1386	1720	2054	2388		
10'-7" to 11'-4"	PRECAST	362	552	615	945	1225	1555	1885	2215		
11'-5" to 12'-0"	PRECAST	337	540	593	915	1195	1525	1855	2185		
12'-1" to 13'-4"	PRECAST	296	471	514	805	1054	1303	1552	1801		
13'-5" to 14'-0"	PRECAST	279	424	467	705	924	1143	1362	1581		
14'-1" to 14'-8"	PRESTRESSED	NR	NR	NR	NR	NR	NR	NR	NR		
14'-9" to 15'-4"	PRESTRESSED	NR	NR	NR	NR	NR	NR	NR	NR		
15'-5" to 17'-4"	PRESTRESSED	NR	NR	NR	NR	NR	NR	NR	NR		
17'-5" to 19'-4"	PRESTRESSED	NR	NR	NR	NR	NR	NR	NR	NR		
19'-5" to 21'-4"	PRESTRESSED	NR	NR	NR	NR	NR	NR	NR	NR		
21'-5" to 22'-0"	PRESTRESSED	NR	NR	NR	NR	NR	NR	NR	NR		
22'-1" to 24'-0"	PRESTRESSED	NR	NR	NR	NR	NR	NR	NR	NR		

SAFE LOADS (LB/FT) 8" PRECAST U-LINTELS

CAST-crete		UPLIFT										LATERAL	
		TYPE OF LINTEL	8F8-1T	8F12-1T	8F16-1T	8F20-1T	8F24-1T	8F28-1T	8F32-1T	8F8-1B	8F12-1B		
OVERALL LINTEL LENGTH			8F8-2T	8F12-2T	8F16-2T	8F20-2T	8F24-2T	8F28-2T	8F32-2T				
2'-8" to 3'-6"	PRECAST		1569	2655	3524	4394	5263	6132	7001	1025	1024	1598	
3'-7" to 4'-0"	PRECAST		1363	2305	3060	3815	4570	5325	6079	765	763	1309	
4'-1" to 4'-6"	PRECAST		1207	2040	2707	3375	4043	4711	5379	592	591	1073	
4'-7" to 5'-4"	PRECAST		1016	1715	2276	2838	3399	3961	4522	411	411	745	
5'-5" to 5'-10"	PRECAST		909	1567	2080	2593	3107	3620	4133	340	339	616	
5'-11" to 6'-6"	PRECAST		835	1407	1868	2329	2790	3251	3712	507	506	490	
6'-7" to 7'-6"	PRECAST		727	1224	1624	2025	2426	2827	3228	424	423	363	
7'-7" to 9'-4"	PRECAST		591	1088	1488	1889	2289	2690	3091	326	325	230	
9'-5" to 10'-6"	PRECAST		530	985	1385	1786	2187	2588	2989	284	283	180	
10'-7" to 11'-4"	PRECAST		474	860	1250	1640	2030	2420	2810	260	259	154	
11'-5" to 12'-0"	PRECAST		470	850	1240	1630	2020	2410	2800	244	243	137	
12'-1" to 13'-4"	PRECAST		418	788	1178	1568	1958	2348	2738	217	216	110	
13'-5" to 14'-0"	PRECAST		410	780	1170	1560	1950	2340	2730	205	204	100	
14'-1" to 14'-8"	PRESTRESSED		239	334	429	524	619	714	809	NR	284	91	
14'-9" to 15'-4"	PRESTRESSED		224	313	408	503	598	693	788	NR	269	83	
15'-5" to 17'-4"	PRESTRESSED		187	263	339	415	491	567	643	NR	194	64	
17'-5" to 19'-4"	PRESTRESSED		162	229	305	381	457	533	609	NR	148	52	
19'-5" to 21'-4"	PRESTRESSED		142	204	266	328	390	452	514	NR	125	42	
21'-5" to 22'-0"	PRESTRESSED		137	197	259	321	383	445	507	NR	116	40	
22'-1" to 24'-0"	PRESTRESSED		124	179	241	303	365	427	489	NR	91	33	

8" PRECAST W/2" RECESS DOOR U-LINTELS SAFE LOADS (LB/FT)

CAST-crete		GRAVITY									
		TYPE OF LINTEL	8F8-0B	8F12-0B	8F16-0B	8F20-0B	8F24-0B	8F28-0B	8F32-0B	8F8-1B	8F12-1B
OVERALL LINTEL LENGTH			8F8-1B	8F12-1B	8F16-1B	8F20-1B	8F24-1B	8F28-1B	8F32-1B		
3'-8" to 4'-4"	PRECAST	1635	1749	3355	3280	4349	5421	6493	7567		
4'-5" to 4'-6"	PRECAST	1494	1596	3063	2992	3968	4946	5924	6904		
4'-7" to 5'-8"	PRECAST	886	1756	3699	3206	4181	5156	6131	7106		
5'-9" to 5'-10"	PRECAST	810	859	1653	1600	2124	2649	3174	3700		
5'-11" to 6'-8"	PRECAST	797	901	1625	3120	5048	7747	9448	7360		
6'-9" to 7'-6"	PRECAST	669	755	1490	2459	3776	5743	7239	6623		
7'-7" to 9'-8"	PRECAST	411	466	999	1568	2263	3129	4091	3146		

CAST-crete		UPLIFT										LATERAL	
		TYPE OF LINTEL	8F8-1T	8F12-1T	8F16-1T	8F20-1T	8F24-1T	8F28-1T	8F32-1T	8F8-1B	8F12-1B		
OVERALL LINTEL LENGTH			8F8-2T	8F12-2T	8F16-2T	8F20-2T	8F24-2T	8F28-2T	8F32-2T				
3'-8" to 4'-4"	PRECAST		905	1668	2362	3056	3751	4445	5140	758	757	1164	
4'-5" to 4'-6"	PRECAST		867	1604	2272	2939	3607	4275	4943	694	693	1073	
4'-7" to 5'-8"	PRECAST		675	1269	1797	2326	2854	3382	3911	498	497	685	
5'-9" to 5'-10"	PRECAST		655	1207	1746	2259	2733	3206	3799	382	381	616	
5'-11" to 6'-8"	PRECAST		650	1180	1730	2259	2733	3206	3799	382	381	616	
6'-9" to 7'-6"	PRECAST		506	742	1064	1386	1708	2030	2352	595	594	464	
7'-7" to 9'-8"	PRECAST		395	560	884	1206	1528	1850	2172	370	369	214	

* Note: An "R" in the Linel Type indicates a recess linel

NOTES:

- SEE SHEET A12 FOR STRUCTURAL DETAILS.
- DO NOT SCALE THESE DRAWINGS. VERIFY AND CHECK ALL DIMENSIONS BEFORE COMMENCING WORK.
- ANY ERRORS OR OMISSIONS IN THESE CONSTRUCTION DOCUMENTS SHALL BE MADE TO COMPLY WITH ALL APPLICABLE FBC RESIDENTIAL CODE REQUIREMENTS.
- ALL DETAILS AND SECTIONS SHOWN ON THE DRAWING ARE INTENDED TO BE TYPICAL AND SHALL BE CONSTRUED TO APPLY TO ANY SIMILAR SITUATION ELSEWHERE ON THE PROJECT, EXCEPT WHERE A DIFFERENT DETAIL IS SHOWN.

REVISIONS	BY

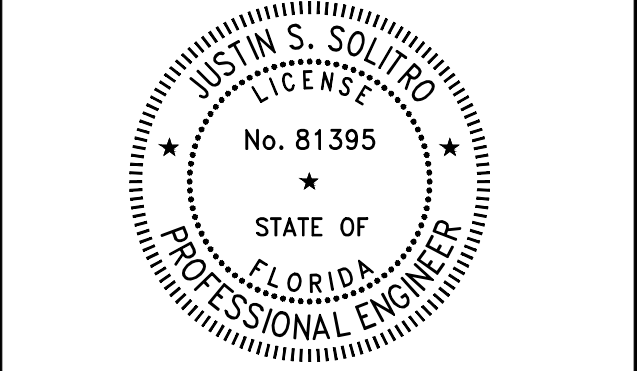


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DRAWN BY: JS	DESIGN BY: JS
DATE: 04/14/2023	CHECKED BY: JS
JOB #: 230414	SCALE: AS NOTED

BLOCK PLAN

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

SHEET

A3

ELECTRICAL SYMBOLS LEGEND	
SYMBOL	DESCRIPTION
	110 VOLT OUTLET
	GROUND FAULT PROTECTED OUTLET
	WEATHERPROOF OUTLET
	220 VOLT RECEPTACLE
	FLOOR OUTLET (OWNER TO LOCATE)
	WALL HUNG FIXTURE
	OVERHANG MOUNTED FLOODLIGHTS
	CEILING MOUNTED LIGHT FIXTURE
	RECESSED CEILING FIXTURE
	FLUORESCENT LIGHT RECESSED 21 1/2" x 50"
	SMOKE/CARBON MONOXIDE DETECTOR
	SMOKE DETECTOR
	SWITCH
	THREE WAY SWITCH
	WALL MOUNTED LIGHT
	DIMMER SWITCH (OWNER TO LOCATE)
	DOOR ACTIVATED SWITCH
	A/C DISCONNECT
	CAT5 NETWORKING JACK (OWNER TO LOCATE)
	TELEPHONE OUTLET (OWNER TO LOCATE)
	TELEVISION OUTLET (OWNER TO LOCATE)
	DOORBELL BUTTON (CONTRACTOR TO LOCATE)
	THERMOSTAT (CONTRACTOR TO LOCATE)
	CEILING EXHAUST FAN & LIGHT, VENT TO EXTERIOR
	TV SPEAKER (SURROUND SOUND)
	TV/RADIO SPEAKER
	CEILING FAN WITH LIGHT KIT
	TRACK LIGHTING (OWNER TO LOCATE)
	WALL SCONCE (OWNER TO LOCATE)
	CHANDELIER 1 (O.T.S.)
	UNDER COUNTER LED STRIP LIGHTING
	EMERGENCY LIGHTING/ EXIT SIGN

NFPA 70-NEC2020
ADD GFCI PROTECTION TO RECEPTACLES IN LAUNDRY ROOMS AND UTILITY ROOMS OF DWELLINGS WHERE INSTALLED WITHIN 6' OF THE OUTSIDE EDGE OF AS INK. THIS WOULD INCLUDE THE RECEPTACLE INSTALLED FOR A WASHING MACHING.

GENERAL NOTES

- CONTRACTOR TO PROVIDE LOCATIONS FOR PHONE & CATV.
- ALL SMOKE/CARBON MONOXIDE DETECTORS TO BE INSTALLED PER 2020 FBRC REF NFPA 101. SMOKE DETECTORS SHALL BE HARDWIRED INTO AN AC ELECTRICAL POWER SOURCE AND SHALL BE EQUIPPED WITH A MONITORED BATTERY BACKUP AND SHE BE INTERCONNECTED.
- ARCH FAULT BREAKERS: ALL BRANCH CIRCUITS SERVING BEDROOMS, FAMILY ROOMS, HALLWAYS, AND DINING ROOMS SHALL BE PROTECTED BY ARCH FAULT BREAKERS, PER NEC 210.12B
- TAMPER-RESISTANT "TR" RECEPTACLES: ALL 125-VOLT, 15&20 AMPERE ELECTRICAL OUTLETS (RECEPTACLES) IN LIVING ROOM AREAS, BATHROOMS, KITCHEN, GARAGE, LAUNDRY ROOM, AND EXTERIOR LOCATIONS MUST BE "TAMPER-RESISTANT" PER NEC 406.11
- ALL ELECTRICAL WORK AND APPLIANCES SHALL CONFORM TO 2020 FBRC REFERENCED NFPA 70
- EXCEPTIONS FROM GFI REQUIREMENTS NTS SHALL BE PERMITTED PROVIDED LOCATION WHERE EXCEPTION IS DESIRED IS ALLOWED PER 2020 FBRC REFERENCED NFPA 70
- UNLESS OTHERWISE INDICATED OR GOVERNED BY CODE, INSTALL SWITCHES AND RECEPTACLES AT THE FOLLOWING HEIGHTS ABOVE FINISH FLOOR PER THIS SHEET

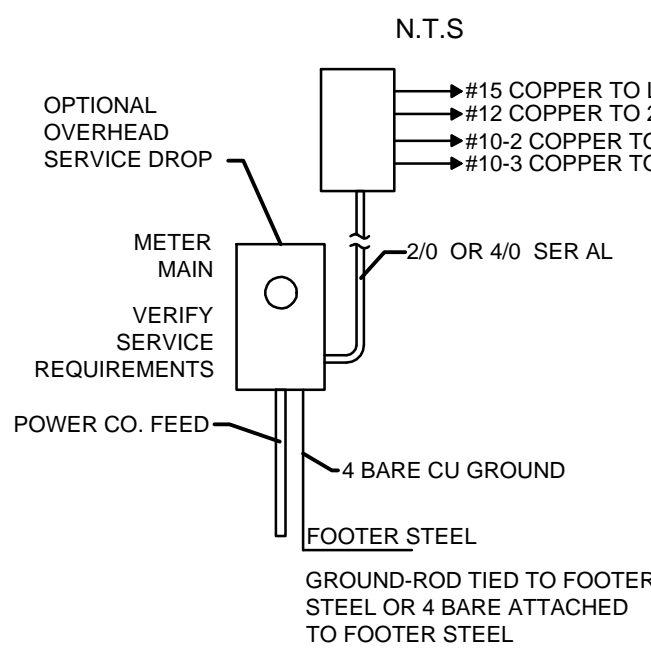
ANY & ALL EXTERIOR LOW VOLTAGE CAMERAS/LIGHTING/ETC. FOR SECURITY TO BE COORDINATED WITH ELECTRICAL CONTRACTOR BEFORE COMMENCEMENT OF WORK.

WATER HEATER SHALL BE INSTALLED A MIN. OF 18" ABOVE FLOOR PER FBRC G2408.2

EXCEPTION: APPLIANCES THAT ARE LISTED AS FLAMMABLE VAPOR IGNITION RESISTANT. DO NOT HAVE TO HAVE THE IGNITION SOURCE ELEVATED.

ELECTRICIAN TO PROVIDE ADDITIONAL CONDUIT AS REQUIRED, SEE SLAB INTERFACE

TYPICAL ELECTRICAL RISER

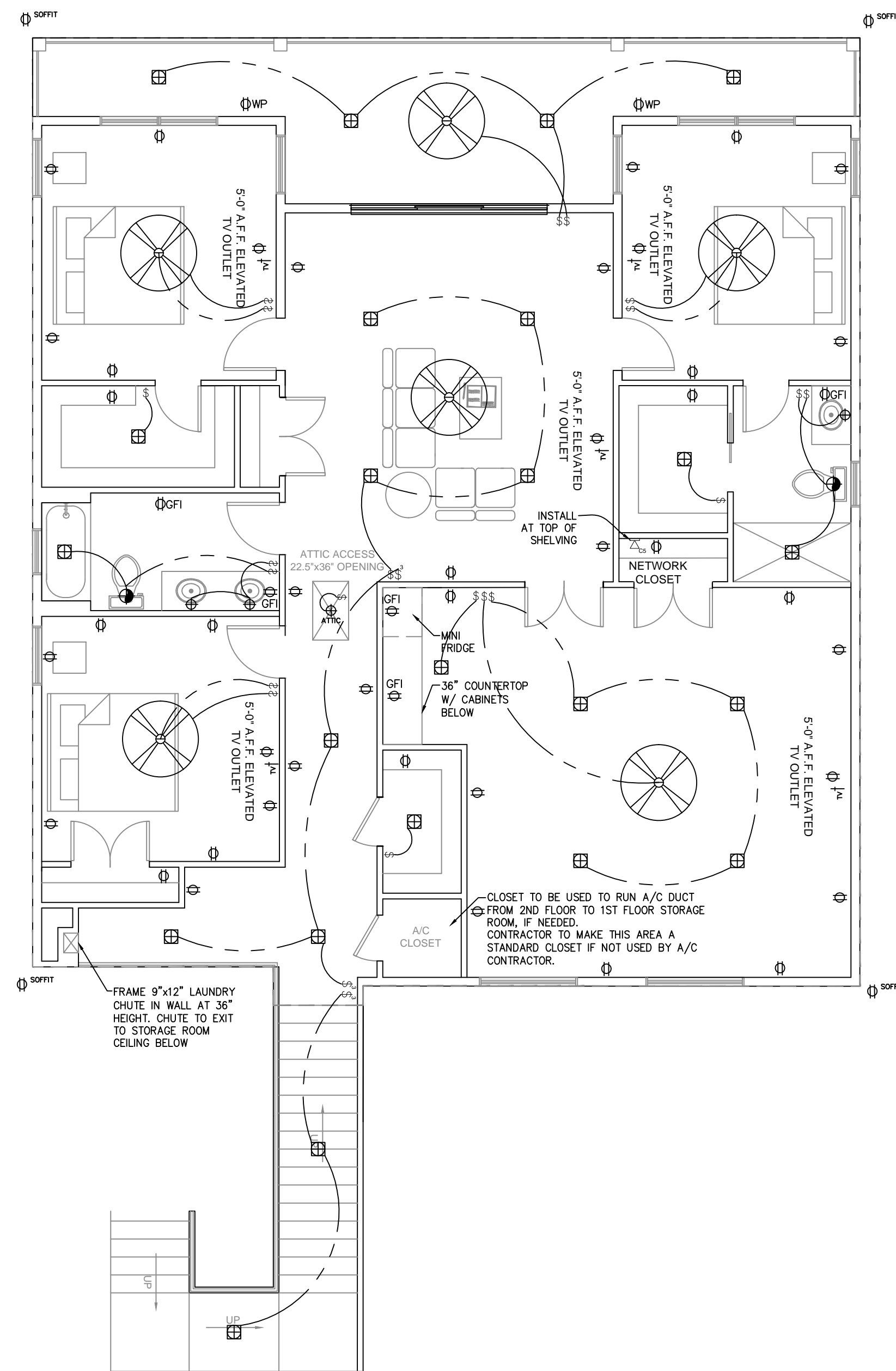
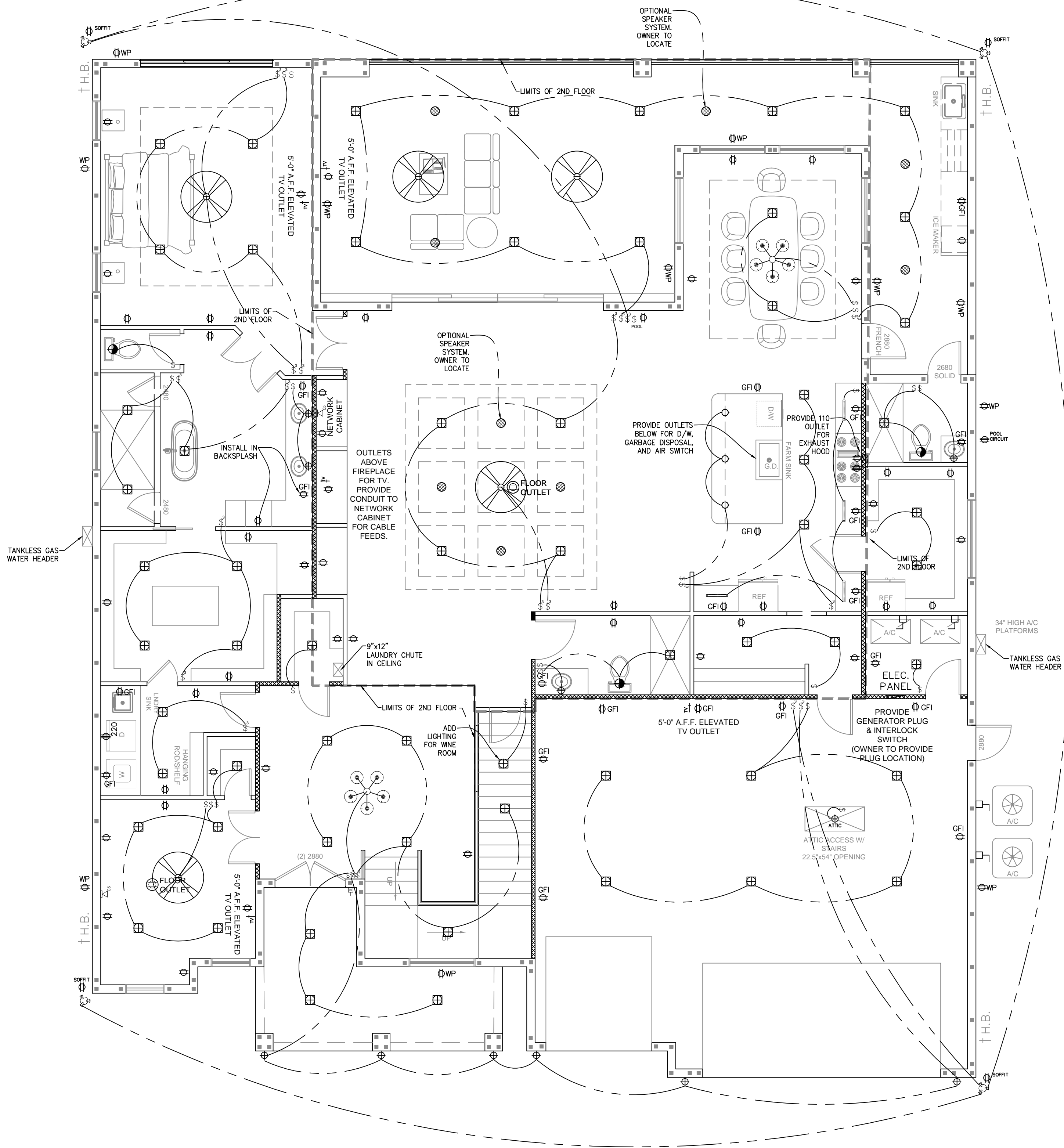


ELECTRICAL DEVICES

SWITCHES AND WALL OUTLETS OVER COUNTERS
REMAINING SWITCHES
WALL OUTLETS
TELEPHONE OUTLETS
TELEVISION OUTLETS
EXTERIOR GFIS
GARAGE GFIS (ABOVE GARAGE FLOOR)
THERMOSTAT
DOOR BELL CHIMES
DOOR BELL BUTTON
KITCHEN HOOD FAN "WHIP"
KITCHEN WALL HUNG MICROWAVE RECEPTACLE
KITCHEN DISHWASHER RECEPTACLE
KITCHEN RANGE
KITCHEN REFRIGERATOR
WASHER/DRYER OUTLET
CL = CENTER LINE
HOLLYWOOD LIGHTS

ABOVE FIN. FLR.

48" TO CL.
48" TO CL.
12" TO CL.
12" TO CL.
12" TO CL.
12" TO CL.
48" TO CL.
54" TO CL.
84" TO CL.
LEVEL W/ DOOR HANDLE
66" TO CL.
76" TO CL.
54" TO CL.
24" TO CL.
48" TO CL.
36" TO CL.
84" TO CL.



ELECTRICAL PLAN

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

REVISIONS

BY



JUSTIN SOLITRO

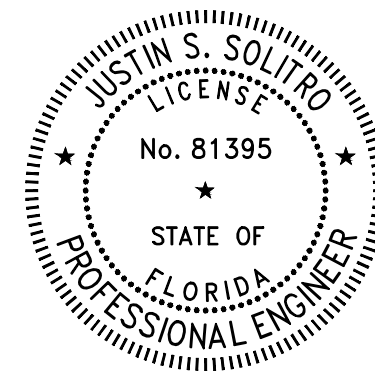
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NEW RESIDENCE FOR
AUSTIN & NIKKI TINKLEY
LOT 32 BLK A MEREDITH MANOR NOB HILL
214 NOB HILL CIRCLE
LONGWOOD, FL 32779

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JS

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04/14/2023

JOB #:
230414

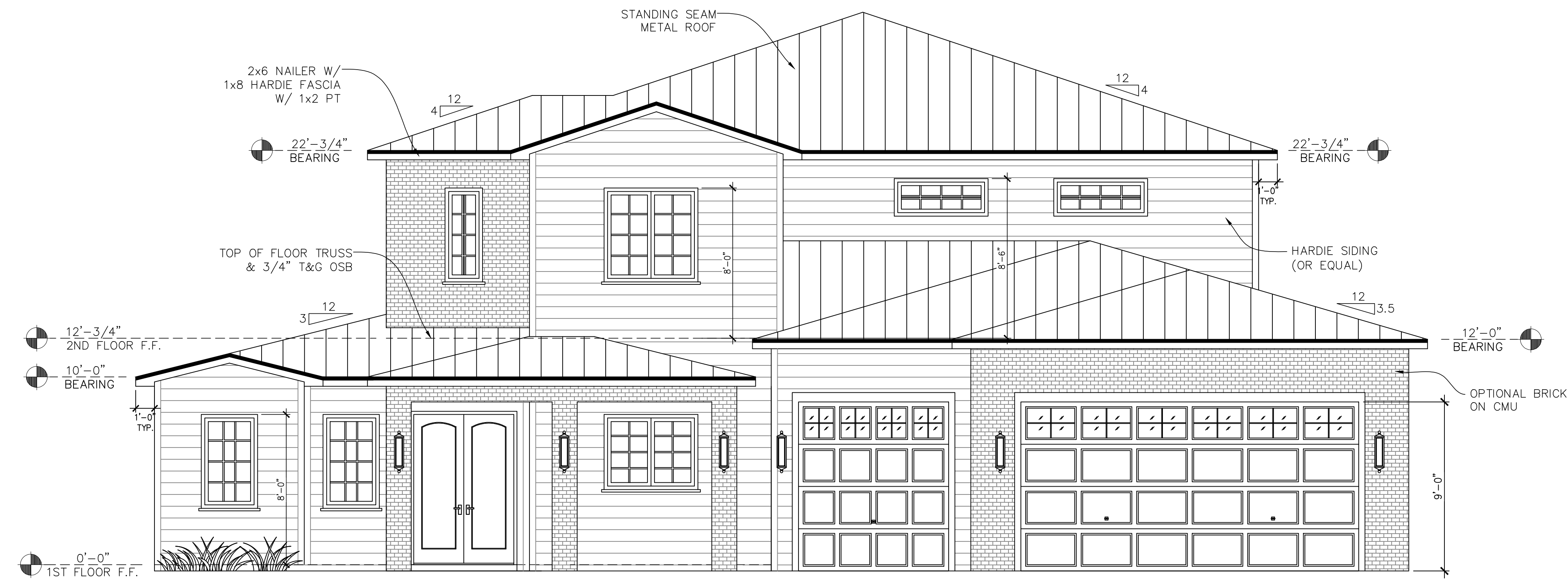
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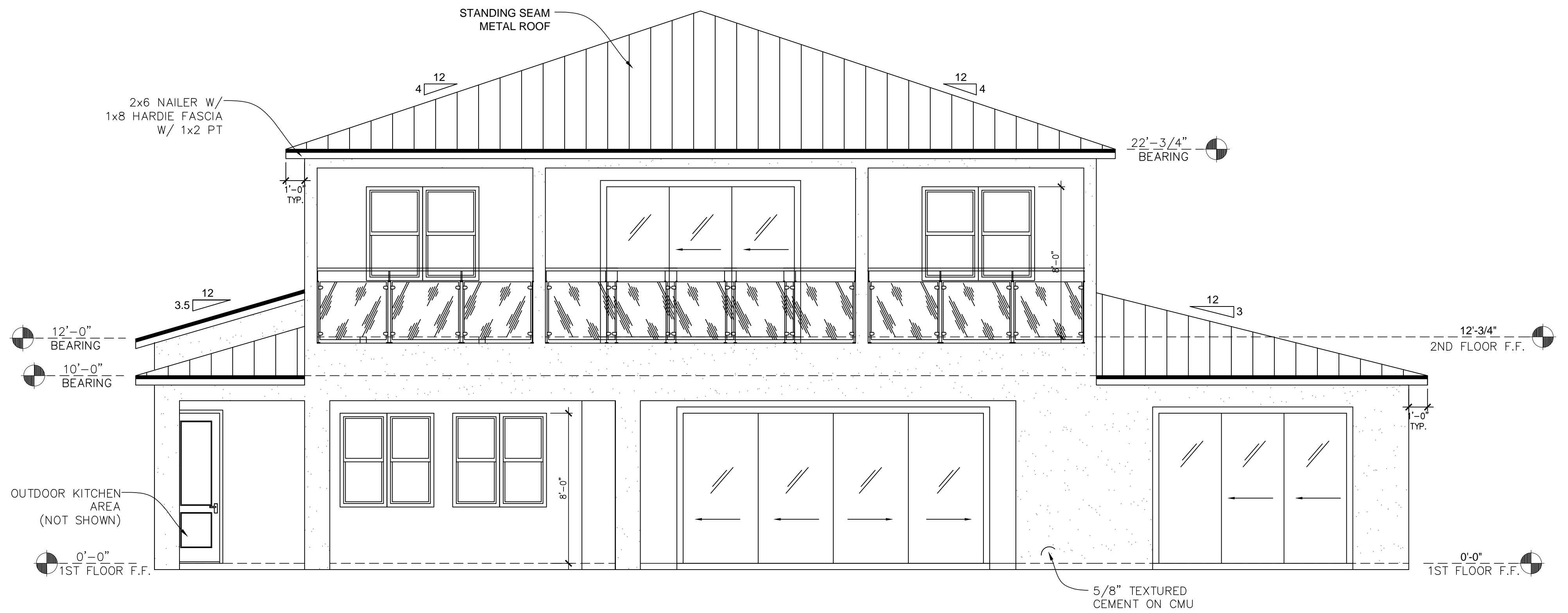
SCALE:
AS NOTED

SHEET

A6



FRONT ELEVATION



REAR ELEVATION

- NOTES:
- ALL EXTERIOR FINISHES SHALL BE APPLIED IN ACCORDANCE WITH RESPECTIVE MANUFACTURER'S GUIDELINES, SPECIFICATIONS, OR INSTALLATION INSTRUCTIONS.

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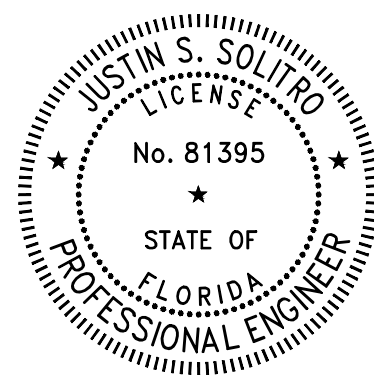


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ELEVATIONS

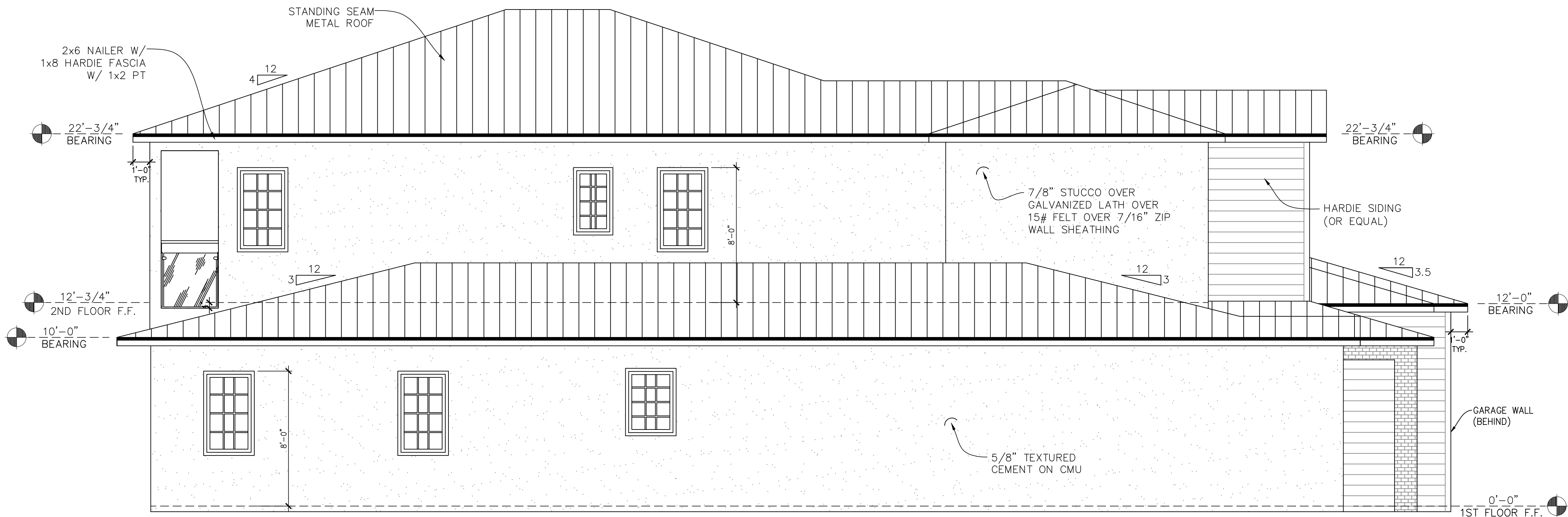
SCALE: 1/4" = 1'-0"

SHEET

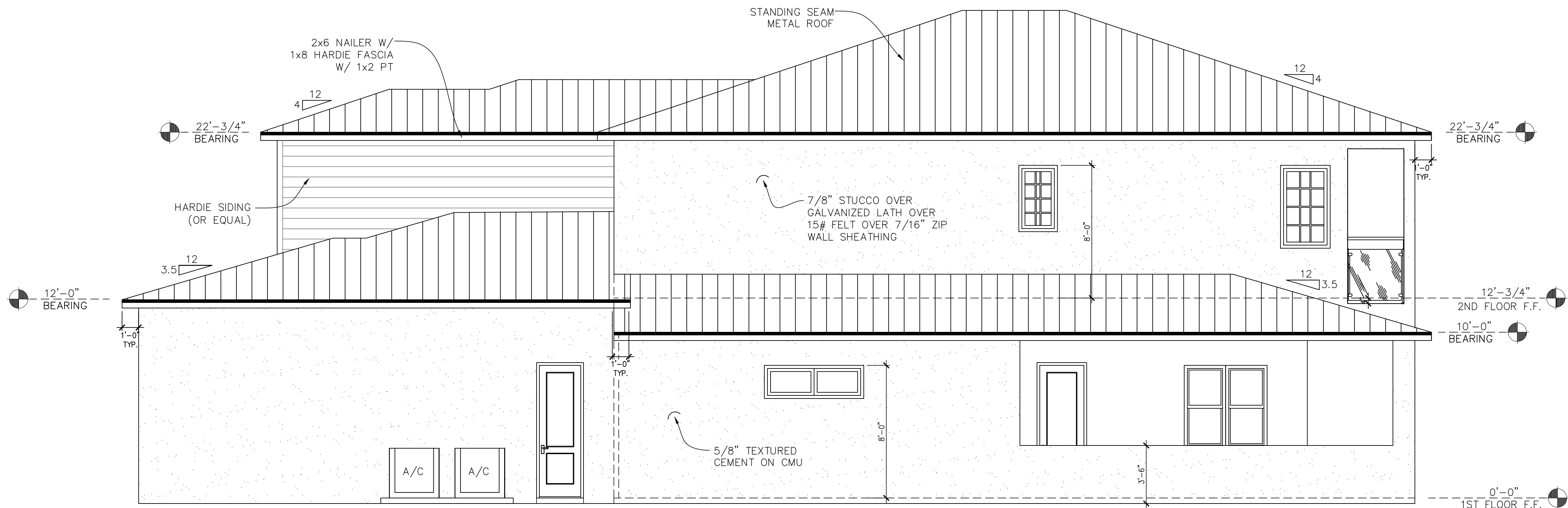
A7

NOTES:

1. ALL EXTERIOR FINISHES SHALL BE APPLIED IN ACCORDANCE WITH RESPECTIVE MANUFACTURER'S GUIDELINES, SPECIFICATIONS, OR INSTALLATION INSTRUCTIONS.



LEFT ELEVATION



RIGHT ELEVATION

ELEVATIONS

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

REVISIONS	BY

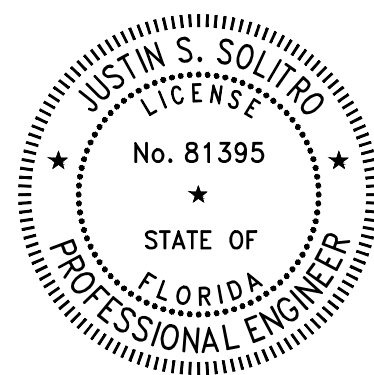


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SHEET

A8

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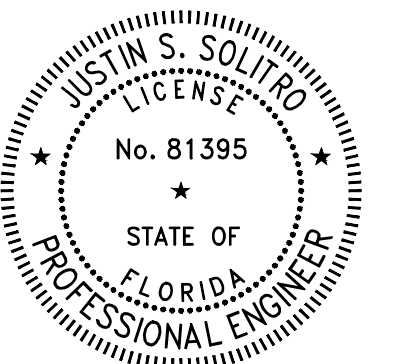
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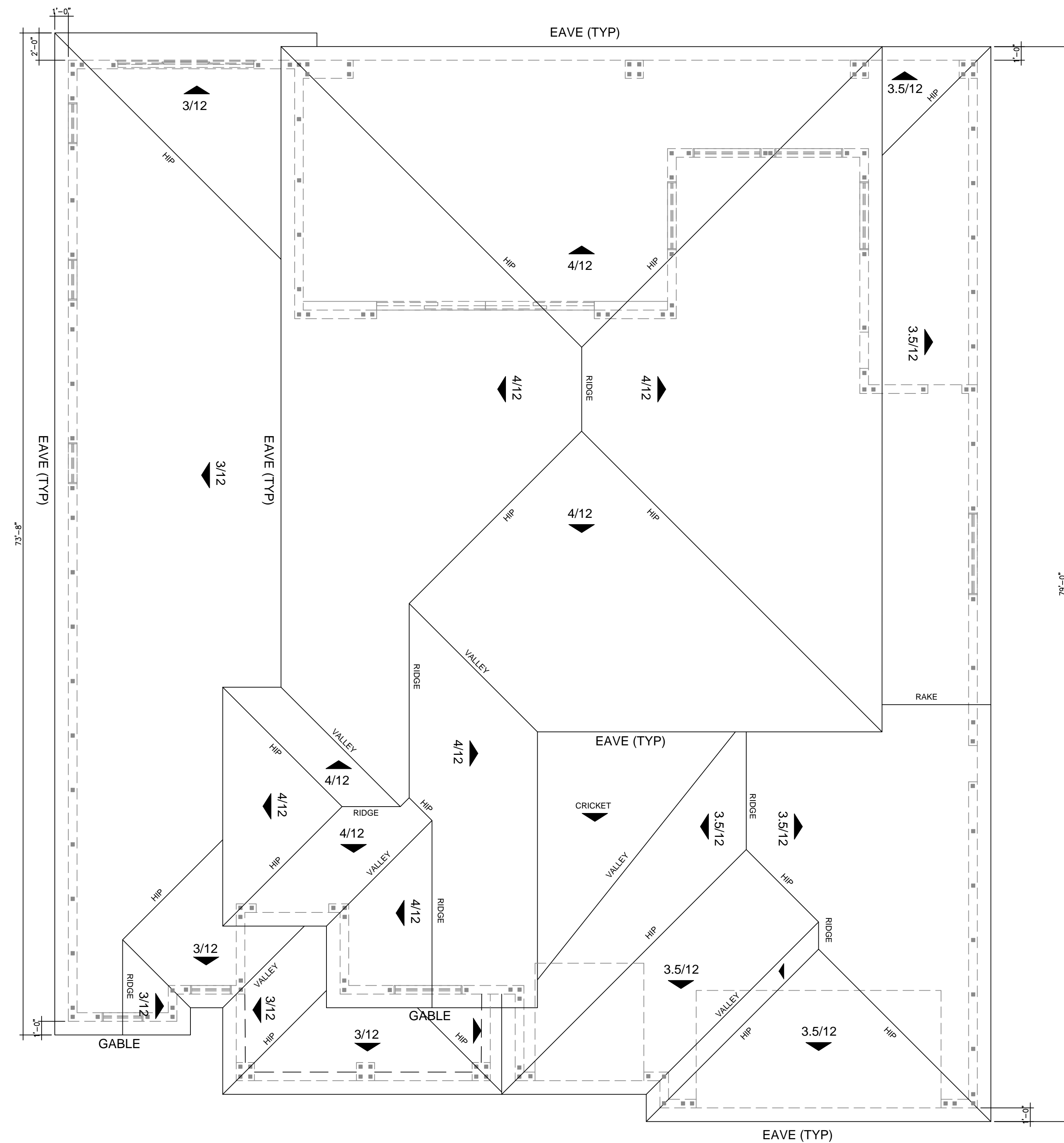
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SHEET

A9

NO ROOF VENTS:
USE OPEN CELL
SPRAY FOAM
INSULATION



ROOF PLAN

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

BUILDING
CONTRACTOR
TO PROVIDE TRUSS
DESIGN TO COMPLETE
THIS SHEET

TRUSS REVIEW ONLY

UNLESS OTHERWISE NOTED:

- USE HETA16 (1810#) CMU TO TRUSSES, JOISTS & BEAMS.
- USE LSTA30 (1610#) OR HTS20 (1450#) FRAME TO JOISTS & BEAMS.
- USE MTS12 (1000#) FRAME TO TRUSSES.
- USE HUS26 (1526#) AS 1 PLY HANGER & HGUS26-2 (2155#) AS 2 PLY HANGER.
- UNDER GIRDERS & BEAMS, APPLY MINIMUM SAME NUMBER OF STUDS AS THE NUMBER OF PLIES IN GIRDER OR BEAM.
- ALL EXTERIOR WALLS TO BE TREATED AS BEARING WALLS.
- LINTEL STRAP MISSING: APPLY (1) HTSM16 W/(4) 1/4"X2 1/4" TAPCONS FOR 1,175 LBS & (2)HTSM16 (875#) FOR 2,350 LBS UPLIFT.
- MSTA26 (2050#) & HTS 20 (1450#) MAY BE INTERCHANGED.
- ALL GANGED (MULTIPLE) STUDS TO HAVE SP4. ALSO SP4 MAY BE USED IN LIEU OF SP1 & SP2.
- PROVIDE HIP ROOF DECK SUPPORT PER APA GUIDELINES.

*HTT4, HTT5, MGT W/5/8" DIAM ANCHOR BOLTS W/6" EMBEDMENT.
ALL STRAPPING HARDWARE TO P.T. LUMBER TO BE GALVANIZED.

REVISIONS	BY



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TRUSS PLAN

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

SHEET

A10

GENERAL NOTES:

1.

DO NOT SCALE THESE DRAWINGS. VERIFY AND CHECK ALL DIMENSIONS BEFORE COMMENCING WORK.
2.

ANY ERRORS OR OMISSIONS IN THESE CONSTRUCTION DOCUMENTS SHALL BE MADE TO COMPLY WITH ALL APPLICABLE CODE REQUIREMENTS AS PER 2020 FBC, RESIDENTIAL SECTION R101.2.1 AND 2020 FBC, BUILDING SECTION 105.4.1.
3.

ALL DETAILS AND SECTIONS SHOWN ON THE DRAWING ARE INTENDED TO BE TYPICAL AND SHALL BE CONSTRUED TO APPLY TO ANY SIMILAR SITUATION ELSEWHERE ON THE PROJECT, EXCEPT WHERE A DIFFERENT DETAIL IS SHOWN.

FOUNDATIONS

SOILS UNDER SLABS AND UNDER FOOTINGS TO BE COMPACTED TO AT LEAST 95% OF MAX. DRY DENSITY AS DETERMINED BY ASTM D1557 (MODIFIED PROCTOR) MINIMUM BEARING CAPACITY 2000 PSF

ALL FILL SHALL BE CLEAN SAND, FREE OF ORGANIC AND ANY OTHER DELETERIOS MATERIALS. COMPACTED SOILS SHALL BE TESTED TO A MINIMUM OF 95% OF MODIFIED PROCTOR IN WITH ASTM D 1557 AND COMPACTED AND TESTED IN LIFTS NOT TO EXEED 12 INCHES. FBC 1804.2

TERMITE TREATMENT

REFER TO SECTION R318 PROTECTION AGAINST TERMITES OF THE FLORIDA BUILDING CODE- RESIDENTIAL CURRENT EDITION, FOR FULL LIST OF REQUIREMENTS

CAST IN PLACE CONCRETE

1.

ALL CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS OF 2500 PSI, A SLUMP OF 4" PLUS OR MINUS 1", AND HAVE 2 TO 4% AIR ENTRAINMENT, AND A MAXIMUM WATER/CEMENT RATIO OF 0.58.
2.

ALL REINFORCEMENT STEEL SHALL BE DEFORMED BILLET STEEL CONFORMING TO ASTM A-615 GRADE 40 MIN. ALL STEEL TO BE FREE FROM SCALE, OIL, AND/OR RUST U.N.O.
3.

WELDED WIRE FABRIC SHALL CONFORM TO ASTM A-185 FOR 6X6XW1.4XW1.4. WWF SHALL BE LAPPED AT LEAST 6" & CONTAIN AT LEAST ONE CROSS WIRE WITHIN THE 6". FIBERMIX OF EQUAL SPECIFICATIONS MAY BE USED IN LIEU OF WWF.
4.

ALL CONCRETE WORK SHALL BE IN ACCORDANCE WITH "THE BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE FOR BUILDINGS" ACI 318 LATEST EDITION, AND "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS," ACI 301.
5.

HORIZONTAL FOOTING BARS SHALL BE BENT MIN. 12 BAR DIAMETERS (EXCLUDING BEND) AROUND CORNERS OR CORNER BARS WITH MIN. 24" LAP EXCLUDING BEND AT EACH END SHALL BE PROVIDED.
6.

MINIMUM LAP SPLICES ON ALL REINFORCING BARS SHALL BE PER THE REBAR SPLICE DETAIL CHART PROVIDED.
7.

SLAB ON GRADE REINFORCEMENT SHALL BE SUPPORTED IN PLACE FROM THE CENTER TO UPPER 1/3 OF THE SLAB.

BOLTS AND THREADED RODS

1.

ALL BOLTS & THREADED RODS TO BE ASTM A307 OR BETTER U.N.O.
2.

STEEL BOLTS LESS THAN ONE-HALF-INCH IN DIAMETER USED AS FASTENERS FOR PRESSURE PRESERVATIVE-TREATED WOOD SHALL BE OF HOT-DIPPED ZINC COATED GALVANIZED STEEL, STAINLESS STEEL, SILICON BRONZE OR COPPER. FASTENERS SHALL BE IN ACCORDANCE WITH ASTM A 153.
3.

FASTENERS OTHER THAN NAILS AND TIMBER RIVETS SHALL BE PERMITTED TO BE OF MECHANICALLY DEPOSITED ZINC-COATED STEEL WITH COATING WEIGHTS IN ACCORDANCE WITH ASTM B 695, CLASS 55, MINIMUM.

MASONRY WALL CONSTRUCTION

1.

HOLLOW LOAD BEARING UNITS SHALL BE NORMAL WEIGHT, GRADE N, TYPE 2, CONFORMING TO ASTM C90, W/ A MINIMUM NET COMPRESSIVE STRENGTH OF 2000 PSI (f'm=1900 PSI).
2.

MORTAR SHALL BE TYPE M OR S, CONFORMING TO ASTM C270.
3.

HEAD MORTAR JOINTS AT PRECAST WINDOW SILLS TO BE NO MORE THAN 1".
4.

COARSE GROUT SHALL CONFORM TO ASTM C476 WITH A MAXIMUM AGGREGATE SIZE OF 3/8 " AND A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI.
5.

VERTICAL REINFORCEMENT SHALL BE AS NOTED ON THE DRAWINGS WITH CELLS FILLED WITH COARSE GROUT AND GRADE 40 MIN. STEEL. REINFORCEMENT SHALL BE PLACED IN CENTER OF MASONRY CELL W/ MIN 1/2" CLEARANCE TO INSIDE FACE.
6.

VERTICAL REINFORCEMENT SHALL BE HELD IN CENTER OF MASONRY/BLOCK WALL AT THE TOP & BOTTOM & MAXIMUM 8'-0" U.N.O. VERTICALLY. TIES TO THE FOOTING & LINTEL STEEL IS ADEQUATE @ TOP & BOTTOM OF WALL; REBAR POSITIONERS IN MIDDLE OF WALL.
7.

REINFORCING STEEL SHALL BE LAPPED AND HOOKED AT THE TOP AND BOTTOM TO THE BOND COURSE AND FOOTING. NO NON-STRUCTURAL ITEMS (SUCH AS PLUMBING) SHALL BE PLACED WITHIN FILLED CELLS.
8.

ALL BUNDLED BAR REINFORCEMENT SHALL BE TIED TOGETHER W/ MIN. 16 GA. TIES SUCH THAT DISPLACEMENT WILL NOT OCCUR DURING CONCRETE PLACEMENT OPERATION.
9.

EXPANSION TYPE ANCHORS ARE NOT TO BE USED IN BOND COURSE. EMBEDDED ANCHORS OR EPOXY FASTENED STUDS SHALL BE USED.
10.

MASONRY OPENING TOLERANCES - 1/4" TO + 1/2".
11.

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.
12.

TEMPORARY BRACING AND SHORING OF WALL TO PROVIDE STABILITY DURING CONSTRUCTION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
13.

DO NOT APPLY UNIFORM LOADS TO MASONRY WALLS FOR (3) DAYS AND NO CONCENTRATED LOADS FOR (7) DAYS PER CODE ACI 318, LATEST EDITION.

14.

DURING CONCRETE POURS, GC TO ADEQUATELY VIBRATE THE FILLED CELL W/ EITHER RODDING OR PENCIL VIBRATOR TO ENSURE PROPER CONCRETE CONSOLIDATION.
15.

VERTICAL FURRING STRIPS WHEN REQUIRED TO BE MAX. 2X P.T. ATTACHED TO CMU W/ MIN. 0.131 DIAMETER CASE HARD MASONRY NAIL W/ MIN. 1 1/4" EMBEDMENT OR 1/4" TAPCON W/ MIN. 1 1/2" EMBEDMENT @ 16" O.C. MEASURE VERTICALLY AND 4" FROM ENDS. 2X FURRING TO BE INSTALLED BE MANUFACTURER'S WRITTEN SPECIFICATIONS OR @ MAX 24" O.C.

WOOD CONSTRUCTION

1.

WOOD CONSTRUCTION SHALL CONFORM TO THE ANSI/AWC "NATIONAL DESIGN SPECIFICATIONS FOR WOOD CONSTRUCTION", LATEST EDITION (NDS).
2.

LUMBER DENOTED AS SPF#2 OR SPF#1/#2 SHALL BE SPRUCE-PINE-FIR VISUALLY GRADED "NO. 1/NO. 2" BY NLGA, OR BETTER.
3.

LUMBER DENOTED AS SYP#2 SHALL BE SOUTHERN YELLOW PINE OR "MIXED" SOUTHERN YELLOW PINE VISUALLY GRADED "NO. 2" BY SPIB, OR BETTER.
4.

OTHER LUMBER SHALL BE VISUALLY GRADED "NO. 2" OR BETTER, REGARDLESS OF SPECIES, U.N.O. ON FRAMING PLANS OR DETAILS.
5.

ALL STRUCTURAL WOOD MEMBERS INCLUDING EXTERIOR FRAME WALLS, BEARING WALLS, SHEAR WALLS, AND MISC. MEMBERS (I.E. BLOCKING OR GABLE END BRACING) SHALL BE SPF #2 OR BETTER U.N.O.
6.

END-JOINTED LUMBER IS NOT PERMITTED TO BE USED IN ANY LOAD BEARING (GRAVITY OR WIND) CONDITIONS. E.O.R. TO REVIEW IF INSTALLED.
7.

FIELD-CUT ENDS, NOTCHES AND DRILLED HOLES OF PRESERVATIVE-TREATED WOOD SHALL BE TREATED IN THE FIELD IN ACCORDANCE WITH AWP A M4.
8.

THE PORTIONS OF GLUED-LAMINATED TIMBERS THAT FORM THE STRUCTURAL SUPPORTS OF A BUILDING OR OTHER STRUCTURE AND ARE EXPOSED TO WEATHER AND NOT PROPERLY PROTECTED BY A ROOF, EAVE OR SIMILAR COVERING SHALL BE PRESSURE TREATED WITH PRESERVATIVE, OR BE MANUFACTURED FROM NATURALLY DURABLE OR PRESERVATIVE-TREATED WOOD.
9.

ALL LUMBER SPECIFIED ON DRAWINGS IS 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.
10.

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 H22S STUD SHOES, TYP. U.N.O.
11.

MANY OF THE PRESSURE TREATED WOODS USE CHEMICALS THAT ARE CORROSIVE TO STEEL. IT IS THE BUILDER'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, DOR SODIUM BORATE (SBX) DOES NOT.
12.

ALL EXPOSED WOOD OR WOOD IN CONTACT WITH EARTH, CONCRETE, OR MASONRY TO BE PRESSURE TREATED IN ACCORDANCE WITH THE LATEST EDITION OF THE AWP A U1 STANDARD.
13.

UNTREATED WOOD SHALL NOT BE IN DIRECT CONTACT WITH CONCRETE OR MASONRY. SEAT PLATES SHALL BE PROVIDED AT BEARING LOCATIONS WITHOUT WOODEN TOP PLATES.
14.

SEE PLAN FOR BUILT UP STUD COLUMN AND BEAM NAILING PATTERNS.

ENGINEERED LUMBER

1.

ENGINEERED LUMBER PRODUCTS SHALL CONFORM TO THE CURRENT EDITION OF THE ANSI/AWC NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION (NDS).
2.

ENGINEERED LUMBER SHALL BE EITHER STRUCTURAL COMPOSITE LUMBER AS DEFINED BY NDS SECTION 8.1 (INCLUDING LVL, PSL, AND LSL LUMBER).
3.

ALL ENGINEERED LUMBER IS TO HAVE THE MINIMUM DESIGN VALUES AS FOLLOWS:

COLUMNS	BEAMS	STUD
E=1,700,000 lb/in² U.N.O	E=2,000,000 LB/IN²	E=1,500,000 LB/IN² U.N.O.
Fb=2650	Fb=3000	Fb=2200
Ft=1650	Ft= 1700	Ft=1500
Fc =3000	Fc =3000	Fc =2100
Fc┘=450	Fc┘=900	Fc┘=450
Fv=285	Fv=285	Fv=150

WOOD BEARING SURFACES ARE TO BE SYP #2 OR BETTER END GRAIN CONDITION U.N.O.

CEILING CONSTRUCTION

1.

USE 1/2" CEILING OR SAG RESISTANT BOARD FOR 24" O.C. FRAMING U.N.O.
2.

5/8" TYPE "X" GYPSOM BOARD SHALL BE USED ON CEILING IN GARAGE WHEN LIVING SPACE IS ABOVE THE GARAGE.

DRYWALL

1.

USE 1/2" CEILING OR SAG RESISTANT BOARD FOR 24" O.C. FRAMING U.N.O.
2.

5/8" TYPE "X" GYPSOM BOARD SHALL BE USED ON CEILING IN GARAGE WHEN LIVING SPACE IS ABOVE THE GARAGE.
- GYPSOM BOARD FASTENER SCHEDULE. SPEC'S FOR 1/2" GYP.BOARD.

1.

NAILS
CEILING-5D COOLERS @ 7" O.C.
WALL- 5D COOLERS @ 8" O.C.
GA-216 5.5, ASTM C 514

2.

SCREWS
CEILING- 1 1/8" LONG GALV. @ 12" O.C.
WALL- 1 1/8" LONG GALV. @ 12" O.C.
GA-216 5.7, ASTM C 1002

MEANS AND METHODS

1.

CONSTRUCTION MEANS & METHODS ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. THE STRUCTURE IS UNSTABLE UNTIL ALL LOAD BEARING WALLS ARE ERECTED & TRUSS/FRAME MEMBERS ARE CONNECTED PROPERLY PER APPROVED FRAMING PLANS/DETAILS ALONG W/ CONNECTOR & COMPONENT MANUFACTURER'S SPECIFICATIONS. UNTIL SUCH TIME, TEMPORARY BRACING & SHORING OF WALLS AND FRAME MEMBERS IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

UNDER STAIR PROTECTION

1.

ENCLOSED ACCESSIBLE SPACE UNDER STAIRS SHALL HAVE WALLS. UNDER STAIR SURFACE AND ANY SOFFITS PROTECTED ON THE ENCLOSED SIDE WITH 1/2-INCH GYPSUM BOARD.

METAL COATINGS FOR USE WITH PRESSURE TREATED WOOD

- IT IS THE BUILDER'S RESPONSIBILITY TO ENSURE THAT ALL METAL CONNECTORS, METAL FASTENERS, ANCHORS, AND NAILS ARE THE APPROPRIATE MATERIAL AND/OR HAVE THE APPROPRIATE COATING FOR USE WITH THE DIFFERENT TYPES OF PRESERVATIVE TREATED WOODS, AS PER THE FOLLOWING GUIDELINES.
1.

WOOD TREATED WITH DOT SODIUM BORATE (SBX): CONNECTORS SHALL BE A MINIMUM G50 ZINC COATING.
2.

WOOD TREATED WITH ACQ-C OR ACQ-D (CARBONATE) OR OTHER BORATE (NON-DOT) TREATMENTS: CONNECTORS SHALL BE A MINIMUM G185 ZINC COATING.
3.

FOR ALL OTHER COMBINATIONS FOLLOW THE RECOMMENDATIONS OF THE PRESERVATIVE TREATED WOOD TREATER.
4.

STAINLESS STEEL CONNECTORS AND FASTENERS MAY BE USED WITH ALL TYPES OF PRESSURE TREATED WOOD SUCH THAT THEY MEET THE REQUIREMENTS OF ASTM F 1667.

PREFABRICATED WOOD TRUSSES

1.

ALL PREFABRICATED WOOD TRUSSES SHALL BE SECURELY FASTENED TO THEIR SUPPORTING WALLS OR BEAMS WITH HURRICANE CLIPS OR ANCHORS. UPLIFT CONNECTORS SUCH AS HURRICANE CLIPS, TRUSS ANCHORS AND ANCHOR BOLTS ARE ONLY REQUIRED ON MEMBERS IN WALLS THAT ARE EXPOSED TO UPLIFT OR LATERAL FORCES. INTERIOR LOAD BEARING WALLS ARE NOT ALWAYS EXPOSED TO UPLIFT FORCES. THE MEMBERS OF THESE WALLS WOULD NOT NEED TO HAVE CONNECTORS APPLIED. PLEASE COORDINATE WITH THE TRUSS ENGINEER FOR THE LOCATION OF THESE WALLS AND STRUCTURAL PLANS FOR MORE INFORMATION.
2.

TRUSSES SHALL BE DESIGNED BY MWFRS METHODOLOGY FOR LONG SPAN TRUSSES TO DETERMINE UPLIFT AND REACTION VALUES. MEMBER AND PLATE DESIGN TO BE CALCULATED BY COMPONENTS AND CLADDING METHOD UNLESS SPECIFIED OTHERWISE BY TRUSS ENGINEER OR RECORD.
3.

PREFABRICATED WOOD TRUSSES SHALL BE DESIGNED IN ACCORDANCE WITH LATEST EDITION OF THE ANSI TPI 1.
4.

BRIDGING FOR PRE-ENGINEERED TRUSSES SHALL BE AS REQUIRED BY TRUSS MANUFACTURER UNLESS NOTED ON PLANS.
5.

TRUSS ELEVATIONS AND SECTIONS ARE FOR GENERAL CONFIGURATION OF TRUSSES ONLY. WEB MEMBERS ARE NOT SHOWN BUT SHALL BE DESIGNED BY TRUSS MANUFACTURER IN ACCORDANCE WITH THE DESIGN LOADS.

TRUSS DESIGN LOADS:
TOP CHORD: Lr: 20 PSF
DL= 7 PSF (SHINGLE TYPE COVER ROOF)
DL= 15 PSF (LIGHT WEIGHT CLAY TILE ROOF COVER)
DL= 14 PSF (TRUSS OVERBUILD)
BOTTOM CHORD: DL= 10 PSF
MINIMUM FLOOR DESIGN LIVE LOADS:
A) FLOORS= 40 PSF
B) BALCONIES= 60PSF/100PSF (IF BALCONY > 100 SQ. FT.)
C) DECKS= 40 PSF
D) STAIRS= 40 PSF
E) BONUS ROOM/GAME ROOM= 60 PSF U.N.O.
MINIMUM FLOOR DESIGN DEAD LOADS:
A) FLOORS= 15 PSF
B) BALCONIES= 15 PSF
GENERAL LOADING:
ATTIC WITHOUTH STORAGE= 10 PSF
ATTIC WITH LIMITED STORAGE= 20 PSF
GUARDRAILS/HANDRAILS= 200 LB POINT LOAD/50PSF
GUARDRAILS IN-FILL COMPONENTS= 50 PSF
GENERAL TRUSS BRACING & BLOCK REQUIREMENTS
-ADDITIONAL BRACING & BLOCKING PER BCSI-1 & TRUSS MANUFACTURER'S DWGS
-G.C. TO PROVIDE MIN 2x SYP #2 BLOCKING BETWEEN TRUSSES TO COMPLY W/ APA RECOMMENDATIONS FOR MIN. 7/16" OSB SHEATHING
-MIN. 2x SYP #2 BLOCKING REQ'D ALONGSIDE TRUSS TOP CHORD @ ROOF HIP/RIDGE TO PREVENT SHEATHING SPAN FROM EXCEEDING 2FT (NOT REQ'D IF SHEATHING SPAN IS LESS THAN 2FT).
BLOCKING TO TRUSS TOP CHORD w/ (2) 12d NAILS @ 12" O.C. MAX. & 4" FROM EA. END. NOTE: PLYWOOD EDGES & HIP CORNERS REQUIRE MIN 2x4 SYP #2 BLOCKING w/ (3) 12d TOENAILS EACH END.

-TRUSS "X"BRACING: MIN 2x4 SYP #2 AT ANGLE APPROX. 45° FROM VERT. TO EA. TRUSS MEMEBR w/ (3) 12d NAILS. SPACE "X" BRACING ALONG TRUSS SPAN @ 10'-0" MAX AND EQUALLY SPACED FROM END OF TRUSS. "X" BRACING TO START 20'-0" MAX FROM #1 HIP GIRDER AND/OR (4) BAYS AFTER GABLE END BRACING. SEE BCSI-B3 SECTIONS 1.2, AND 3 FOR ADDITIONAL ROOF PLANE PERMANENT BRACING REQUIREMENTS.

-PERMANENT 2X4 SPF #2 (MIN.) CONT. LATERAL TRUSS BOTTOM CHORD BRACING PERPENDICULAR TO TRUSS SPAN AT 15'-0" O.C. MAX W/IN TRUSS SPAN OR PER TRUSS DESIGN DRAWINGS. ATTACHED W/ (2) 16d NAILS AT EACH TRUSS. OVERLAP BRACING AT LEAST ONE TRUSS SPACE (24") PLUS 6" MIN. PAST BOTTOM CHORD.

-INSTALL PERMANENT 2X CONTINUOUS LATERAL BRACE (CLB) ACROSS TRUSS WEBS AS INDICATED ON TRUSS SHOP DRAWINGS & BCSI-B3. ("T" BRACING MAY BE USED I.L.O. PERMANENT CLB IF IT EXTENDS MIN. 90% OF THE TRUSS WEB (SEE WEB REINFORCEMENT TABLE WITHIN BCSI-B3).

-AT RASIED HEAL TRUSSES, 2X4 SYP #2 (MIN) AT TOP AND BOTTOM OF HEEL W/ (2) 12D TOENAILS REQ'D EXT. SHEATHING MUST BE ATTACHED TO RAISED HEEL TRUSS AND INDICATED BLOCKING. ALTERNATIVE IF HEEL HEIGHT IS LESS THAN 12" TALL: 2X4 SYP #2 BEHIND THE TRUSS VERT. RUNNING FROM TOP TO BOTTOM ACROSS MAX. 4 TRUSSES, THEN BOTTOM TO TOP W/ (2) 12D NAILS AT EACH TRUSS MEMBER (DIAGONAL BRACING)
DIAGONAL BRACING REQUIRED AT CLB PER BCSI-B3.

6.

THE TRUSS MANUFACTURER SHALL DETEMRINE ALL SPANS, WORKING POINTS, BEARING POINTS, AND SIMILAR CONDITIONS. TRUSS SHOP DRAWINGS SHALL SHOW ALL TRUSSES, ALL BRACING MEMBERS, AND ALL TRUSS TO TRUSS MEMBERS.

COMPONENT AND CLADDING

1.

ALL COMPONENTS AND CLADDING TO BE INSTALLED AND ANCHORED AS PER MANUFACTURER SPCIFICATIONS AND IN ACCORDANCE WITH 2020 FBC- RESIDENTIAL SECTIONS R301 & R613 AND 2020 FBC- BUILDING SECTION 1609.
2.

PROVIDE INFORMATION AND APPROVAL NUMBERS ON BUILDING ENVELOPE AND STRUCTURAL COMPONENTS TO THE BUILDING AUTHORITY HAVING JURISDICTION PER FLORIDA STATUTE 553.842 AND FLORIDA ADMINISTRATIVE CODE 9B-72.

STRUCTURAL STEEL

1.

MATERIAL SPECS: WIDE FLANGE SECTIONS: ASTM A992, GRADE 36, Fy=36KSI. TUBE STEEL (HSS): ASTM A500, GRABE B, Fy=46KSI. PIPE STEEL: ASTM A53, TYPE E OR S, Fy= 35 KSI. ALL OTHER STRUCTURAL & MISC. STEEL: A36, Fy=36KSI.
2.

STRUCTURAL CONNECTIONS: ALL STURCUTRAL BOLTS TO BE A325N U.N.O. ALL A325N BOLTS SHALL BE AT "SNUG-TIGHT" CONDITION AS DEFINED IN THE SPEC. SLIP CRITICAL (SC) BOLTS MUST BE FULLY TENSIONED PER SPEC STRUCT. BOLTS SMALLER THAN 5/8" DIA. TO BE A307 THREADED ROD & 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 REINF. T SHOP DWGS TO BE PROVIDED TO E.O.R. BEFORE FABRICATION FOR REVIEW AND APPROVAL. WELDED CONNECTIONS: ELECTRIDES- E70XX UNO (LOW HYDROGEN). FILLET WELDS SHALL BE 3/16" U.N.O.
3.

SUBMIT SHOP DRAWINGS INDICATING ALL SHOP AND ERECTION DETAILS INCLDING PROFILES, SIZES, SPACING, & LOCATIONS OF STRUCTURAL MEMBERS, CONNECTION ATTACHMENTS, FASTENERS, LOAD, AND TOLERANCES.
4.

STRUCTURAL STEEL SHALL RECEIVE SHOP COAT OF PRIMER (COLOR AS DIRECTED BY ENGINEER) EXCEPT FOR AREAS WHICH WILL RECEIVE SPRAY-ON FIRE PROTECTION.
5.

A CERTIFIED TESTING AGENCY SHALL BE ENGAGED TO PERFORM INDUSTRY STANDARD INSPECTIONS TO ENSURE CONFORMANCE WITH PLANS AND SPECS (IF PROVIDED). SUBMIT REPORTS TO ENGINEER OF RECORD.

FIELD REPAIR NOTES

1.

OMITTED REBAR
DRILL A 3/4" Ø HOLE MIN. 6" DEEP AT LOCATION OF OMITTED REBAR, AND INSTALL #5 BAR INTO EPOXY FILLED HOLE. EPOXY TO BE SIMPSON STRONG TIE EPOXY OR EQUIVALENT. FOLLOW MANUFACTURER'S INSTRUCTIONS. ENSURE ALL DUST AND DEBRIS FROM DRILLING ARE REMOVED FROM HOLE W/ COMPRESSED AIR PRIOR TO APPLYING EPOXY. ALLOW EPOXY TO CURE TO MAN. SPECIFICATIONS, THEN FILL CELL IN NORMAL WAY DURING BONDBEAM POUR. USE 30" MIN. LAP SPLICE. HOOKS AT TOP OF BAR TO BE A MIN, 12 BAR DIAMETERS (EXLUDING BEND).
2.

STRAPS/CONNECTOR SUBSTITUTIONS
THE CONTRACTOR MAY SUBSTITUTE ANY PLAN INDICATING STRUCTURAL CONNECTOR MAINTAINING THE SUBSTITUTED CONNECTOR EXCEEDS ALL PUBLISHED VALUES WITH REGARDS TO BOTH UPLIFT AND LATERAL VALUES. ADITIONALLY, ALL STRUCTURAL CONNECTORS SHALL BE INSTALLED PER THE PRODUCT MANUFACTURER'S SPECIFICATIONS.
3.

STAIR CONSTRUCTION
2X12S MAY BE USED IN LIEU OF TIMBERSTRANDS FOR STAIR STRINGERS. RIM BOARDS MAY BE USED FOR RISERS & TREADS IN LIEU OF 2X12S (SEE GEN. STAIR DETAIL SHEET FOR MORE INFO.)
4.

METAL STUD SUBSTITUTION
WOOD STUDS MAY BE SUBSTITUTED W/ METAL STUDS IN NON-LOAD BEARING WALLS.
5.

OMITTED J-BOLT
-1/2" ALL THREADED ROD W/ 2"x2" SQ. WASHER DRILL & EPOXY W/ SIMPSON SET EPOXY WITH MIN. 7" EMBEDMENT.
-1/2"x6" SIMPSON TITEN HD THREADED ANCHORS W/ 1/2 LBP WASHER MAY BE USED IN LIEU OF 1/2" J-BOLT. TAPCON FASTENERS MAY BE USED IN LIEU OF SIMPSON TITENS.
6.

MORTAR JOINTS
-FOR BED JOINTS 1/2"-1" GROUT FILL CELLS IN BLOCK AFFECTED (NO VERT. REINF. REQ'D)
-FOR HEAD JOINTS GREATER THAN 3/4", GROUT FILL CELL IN BLOCK AFFECTED ON EA. SIDE OF JOINT. PROVIDE (1) #5 VERT. REINF. IN EA. CELL CONT. PER PLAN.
**EXCEPTION: IF TIE BEAM COURSE AND ADJ. TWO COURES BELOW, AS WELL AS 1ST (2) COURSES FROM END, HAVE HEAD JOINTS WHICH FALL W/IN THE SPECIFIED TOLERANCES, THE ADDED VERTICAL REINFORCEMENT IS NOT REQ'D TO BE EPOXIED INTO TIE BEAM/FTG
-FOR BLOCKS NOT STAGGERED, GROUT FILL EA. SIDE OF JOINT AND PROVIDE (1) #5 VERT. REINF. IN EA. CELL, CONT. PER PLAN.
7.

OVERHANGING CMU WALL
-FOR CMU OVERHANGING FOUNDATION <1/2", NO FIX IS REQ'D. POUR TIE BEAM & VERT. CELLS PER PLAN.
-FOR CMU OVERHANGING FOUNDATION +1/2"-1 1/8", GROUT FILL FIRST (3) COURSES IN WALL ALONG AREA AFFECTED & TIE BEAM AND VERTICAL CELLS PER PLAN
-FOR CMU OVERHANDING FOUNDATION OVER 1 1/8", CONTACT E.O.R. FOR REPAIRS.

REVISIONS	BY

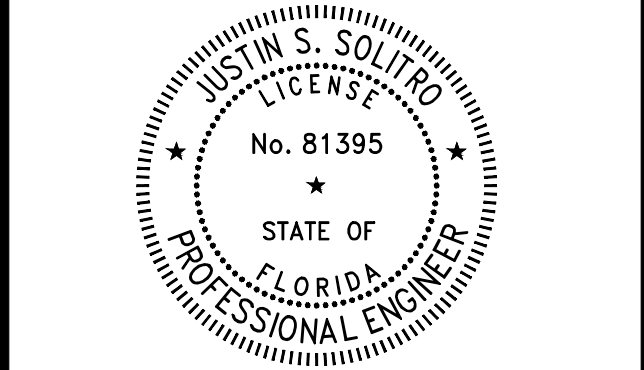


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NEW RESIDENCE FOR
AUSTIN & NIKKI TINKLEY
LOT 32 BLK A MEREDITH MANOR NOB HILL
214 NOB HILL CIRCLE
LONGWOOD, FL 32779

This structure has been designed to withstand the forces generated by 140 m.p.h., winds plus three second gust factor in compliance with section 1609 of 2020 Florida Building Code Residential, Revisions and Supplements.



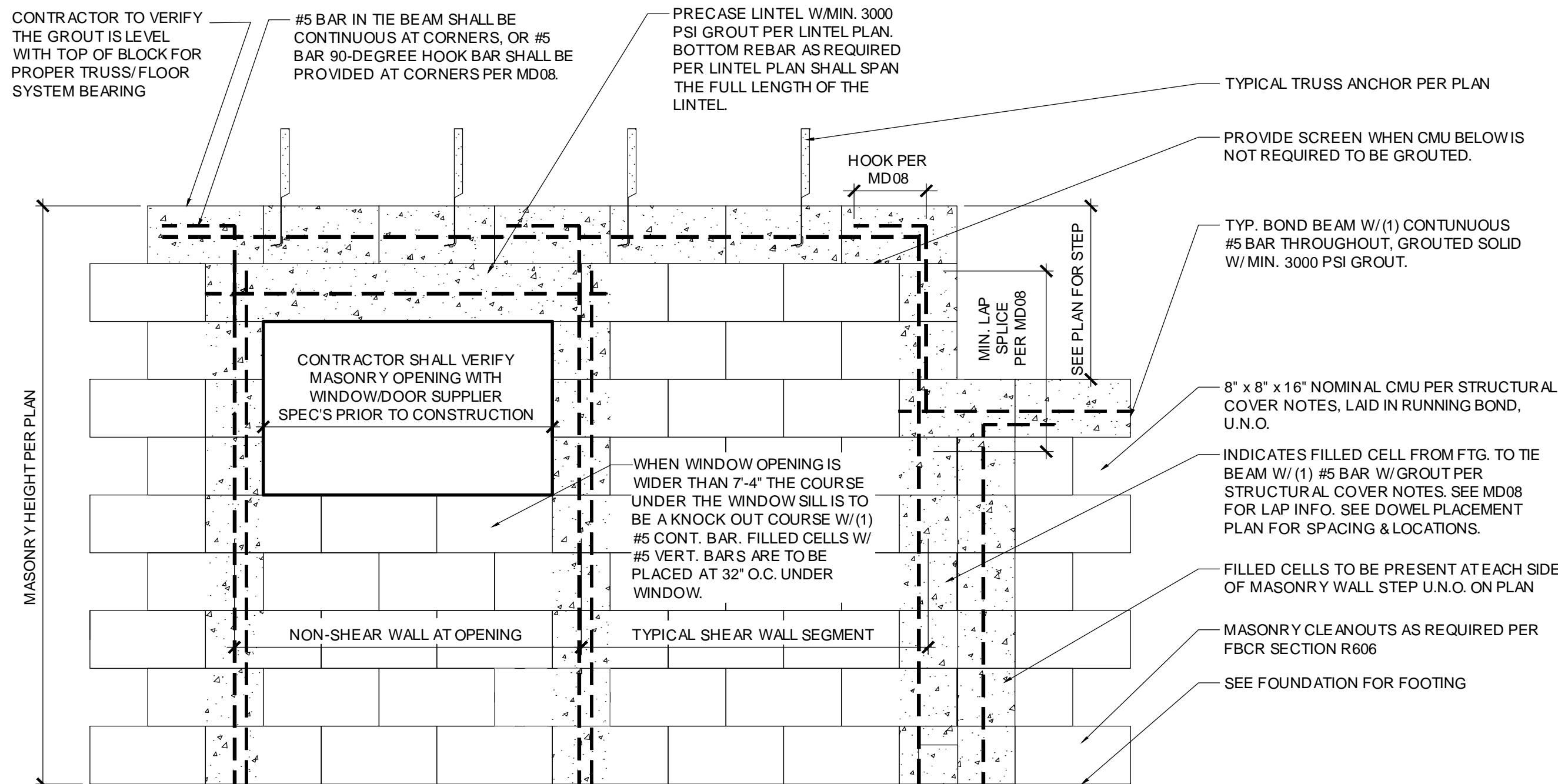
This item has been digitally signed and sealed by Justin Solitro, PE, on the date shown on the electronic signature.

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DATE: 04/14/2023	CHECKED BY: JS
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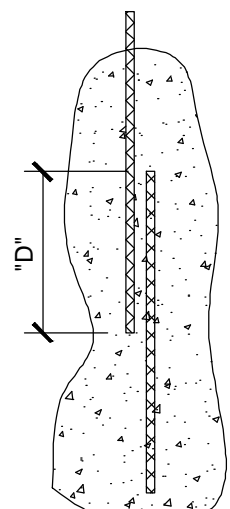
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STRUCTURAL NOTES

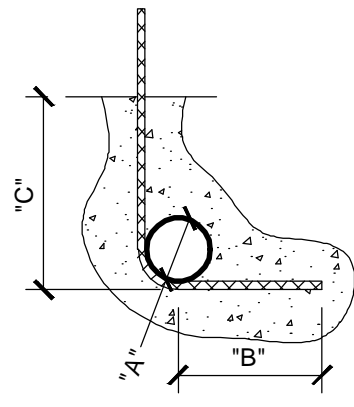


MD06 TYPICAL MASONRY CONSTRUCTION

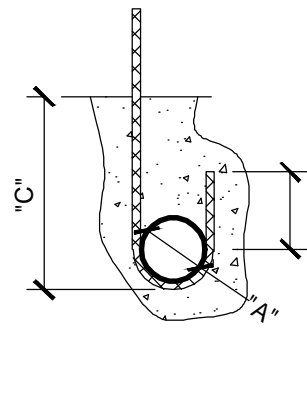
REQ'D LAP SPICE, EMBEDMENT, AND HOOKED REINF. STEEL (INCHES)								
BAR SIZE	BEND Ø	GRADE 40				GRADE 60		
		"A"	"B"	"C"	"D"	"A"	"B"	"C"
#3	2-1/4"	4-1/2"	6"	15"	2-1/4"	4-1/2"	6"	15"
#4	3"	6"	6"	20"	3"	6"	6"	20"
#5	3-3/4"	7-1/2"	6"	25"	3-3/4"	7-1/2"	6"	25"
#6	4-1/2"	9"	6"	30"	4-1/2"	9"	6"	40"
#7	5-1/4"	10-1/2"	7"	35"	5-1/4"	10-1/2"	7"	53"



LAP SPICE

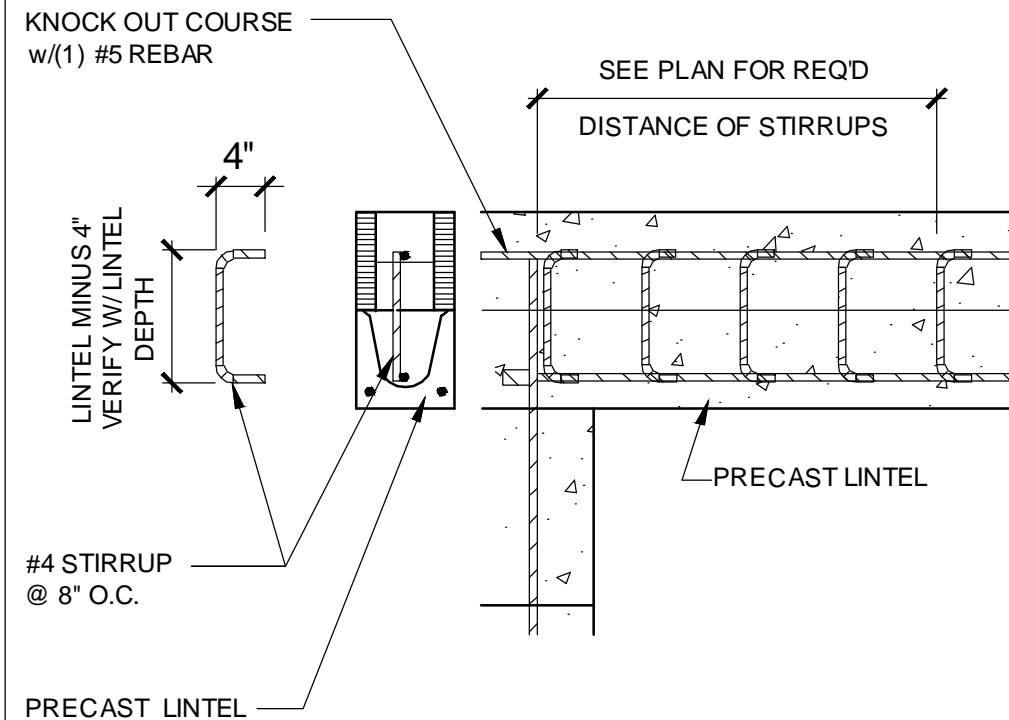


STANDARD 90° HOOK



STANDARD 180° HOOK

MD08 REBAR SPICE DETAIL



MD12 PRECAST LINTEL HIGH SHEAR CONNECTION

PRECAST LINTEL LOAD TABLE

LOADS LISTED BELOW HAVE BEEN CALCULATED OR COMPILED FROM DATA FROM THE FOLLOWING APPROVED MAN. CAST-CRETE, QUALITY PRECAST CO., AND LOTT'S CONCRETE

STANDARD LINTELS					
CLEAR OPENING	8" UNFILLED	8F8-1B / 8F8-0B	8F16-1B / 8F16-0B	8F24-1B / 8F24-0B	8F32-1B / 8F32-0B
1'-6"	2231	3069 / 3069	6113 / 6113	8974 / 8974	10000 / 10000
2'-2"	1783	3069 / 3069	6113 / 5163	8974 / 8054	10000 / 10000
2'-8"	1343	2693 / 2561	6113 / 3820	8974 / 5961	10000 / 8107
3'-2"	1217	2165 / 1969	6113 / 2931	8672 / 4576	10000 / 6224
3'-4"	1006	1663 / 1349	5365 / 1999	7342 / 3123	10000 / 4249
4'-0"	860	1651 / 1349	5365 / 1999	7342 / 3123	10000 / 4249
4'-6"	710	1423 / 1105	4360 / 1631	6036 / 2549	8328 / 3470
5'-2"	570	1232 / 1232	3480 / 2580	8360 / 3586	8825 / 4692
6'-2"	488	991 / 991	2661 / 2143	5681 / 2698	6472 / 3685
7'-0"	416	752 / 699	1843 / 1625	3486 / 2602	6390 / 3302
8'-0"	354	726 / 699	1843 / 1625	3486 / 2255	6205 / 2885
9'-2"	315	618 / 535	1533 / 1247	2781 / 1946	4754 / 2489
10'-0"	292	567 / 454	1366 / 1277	2423 / 1770	4006 / 2263
10'-8"	277	492 / 352	1254 / 1132	2193 / 1567	3552 / 2003
11'-2"	255	471 / 352	1075 / 1075	1838 / 1567	2883 / 2003
12'-0"	239	418 / 297	1075 / 1045	1838 / 1446	2883 / 1848
12'-8"	0	369 / 261	1002 / 984	1697 / 1361	2630 / 1738
13'-4"	0	328 / 0	1234 / 0	1779 / 0	2662 / 0
14'-0"	0	292 / 0	1160 / 0	1660 / 0	2439 / 0
16'-0"	0	284 / 0	950 / 0	1379 / 0	1997 / 0
18'-0"	0	211 / 0	750 / 0	1177 / 0	1676 / 0
18'-8"	0	142 / 0	598 / 0	1114 / 0	1468 / 0
20'-0"	0	180 / 0	598 / 0	1024 / 0	1441 / 0
20'-8"	0	145 / 0	550 / 0	981 / 0	1376 / 0
22'-8"	0	110 / 0	450 / 0	824 / 0	1147 / 0

RECESSED LINTELS-FILLED			
CLEAR OPENING	8R6-1B/8R6-0B	8R14-1B/8R14-0B	8R22-1B/8R22-0B
2'-4"	1694 / 1694	3725 / 3280	5499 / 5421
2'-8"	1435 / 1435	3343 / 3280	4933 / 4933
3'-0"	1230 / 1230	2769 / 2769	4085 / 4085
3'-4"	1081 / 920	2769 / 1716	4085 / 2839
4'-4"	846 / 833	2121 / 1716	3127 / 2839
5'-4"	664 / 572	1761 / 1761	2595 / 2595
6'-4"	526 / 434	1539 / 1539	1329 / 2267
7'-4"	480 / 322	1334 / 1334	1964 / 1552
8'-4"	415 / 235	1152 / 1152	1694 / 1552

- 1) FOR HEADER DEPTHS DEEPER THAN 32", USE VALUES FOR 32" DEEP HEADER.
2) FOR HEADER DEPTHS NOT LISTED ON CHART, USE THE VALUES FOR THE NEXT DEPTH DOWN.
3) PRO-CRETE LINTELS ARE AN ADEQUATE SUBSTITUTION.

GENERAL CONCRETE LINTEL SCHEDULE

APPROVED LINTEL MANUFACTURERS:
CASTE-CRETE, QUALITY, AND LOTT'S

STANDARD LINTEL NOTES

- AREAS OF BLOCK ABV. MASONRY OPENINGS ARE TO BE GROUTED SOLID TO TIE BEAM.
- (1) #5 REBAR IN TIE BEAM IS TO BE CONTINUOUS THROUGHOUT INCLUDING ABOVE MASONRY OPENINGS. U.N.O.
- ALL STANDARD LINTELS TO HAVE MIN. 4" NOMINAL BEARING EA. END. ALL RECESSED LINTELS TO HAVE MIN. 4" NOMINAL BEARING EA. END.
- LINTEL MIN. DEPTHS ARE CALLED OUT ON LINTEL PLAN. IF DEEPER LINTEL INSTALLED THAN INDICATED ON PLAN, THE STRENGTH OF THE LINTEL INCREASES AND IS APPROVED WITHOUT ENGINEERING LETTER. IF A SMALLER LINTEL IS INSTALLED CONTACT EOR FOR APPROVAL.
- (*) ANY LINTEL DEEPER THAN 32" HAS BEEN VERIFIED TO WORK AS A MIN. 32" FOR THE LOAD CONDITIONS. ANY LINTEL GREATER THAN 32" HAS A GREATER CAPACITY AND THEREFORE IS ADEQUATE FOR THE LOADS.
- G.C. TO VERIFY ALL LINTEL DIMS IN FIELD WITH WINDOW R.O. SPECIFICATIONS ON PLAN. DIMS SHOWN ON LINTEL PLAN ARE CLEAR SPAN AND USED TO VERIFY DESIGN OF LINTEL ONLY. VERIFY WITH WINDOW/DOOR SUPPLIER SPECIFICATIONS AND COORDINATE WITH EOR AS REQ'D.
- LINTELS SHOULD BE SHORED UP DURING CONSTRUCTION AS REQUIRED PER THE LINTEL SUPPLIER SPECS. MCD IS NOT RESPONSIBLE FOR CONSTRUCTION MEANS AND METHODS

MATERIALS

- fc PRECAST LINTELS = 3500 PSI.
- fc PRESTRESSED LINTELS = 6000 psi.
- GROUTED PER ASTM C476 fg = 3000 psi W/ MAXIMUM 3/8" AGGREGATE AND 8" TO 11" SLUMP.
- CONCRETE MASONRY UNITS (CMU) PER ASTM C90 W/ MINIMUM NET AREA COMPRESSIVE STRENGTH = 1900 PSI.
- REBAR PER ASTM A615 GRADE 60. PRESTRESSING STRAND PER ASTM A416 GRADE 270 LOW RELAXATION. 7/32 WIRE PER ASTM A510.

LINTEL DESIGNATION SCHEDULE

MARK	LINTEL REQUIREMENTS	
A	8R6-1B/1T	<p>8F16-1B/1T</p> <p>TYPE DESIGNATION</p> <p>F = FILLED WITH GROUT U = UNFILLED R = RECESSED & FILLED WITH GROUT</p> <p>QUANTITY OF #5 REBAR @ BOTTOM OF LINTEL CAVITY</p> <p>QUANTITY OF #5 REBAR AT TOP</p> <p>NOMINAL HEIGHT</p> <p>NOMINAL WIDTH</p>
B	8F8-1B/1T	
C	8R14-1B/1T	
D	8F16-1B/1T	
E	8R14-0B/1T	
F	8F16-0B/1T	<p>15'-5/8" ACTUAL 16" NOMINAL HEIGHT</p> <p>1-1/2" CLEAR</p> <p>#5 REBAR AT TOP MIN. (1) REQ'D</p> <p>C.M.U.</p> <p>GROUT</p> <p>#5 REBAR AT BOTTOM OF LINTEL CAVITY</p> <p>BOTTOM REINFORCING PROVIDED IN LINTEL (VARIES)</p> <p>7-5/8" ACTUAL 8" NOMINAL WIDTH</p> <p>FILLED</p>
G	8F20-1B/1T	
H	8F20-0B/1T	
I	8R22-1B/1T	
J	8F24-1B/1T	
K	8R22-0B/1T	<p>15'-5/8" ACTUAL 16" NOMINAL HEIGHT</p> <p>1-1/2" CLEAR</p> <p>#5 REBAR AT TOP MIN. (1) REQ'D</p> <p>C.M.U.</p> <p>BOTTOM REINFORCING PROVIDED IN LINTEL (VARIES)</p> <p>7-5/8" ACTUAL 8" NOMINAL WIDTH</p> <p>UNFILLED</p>
L	8F24-0B/1T	
M	8R30-1B/1T	
N	8F32-1B/1T	
O	8R30-0B/1T	
P	8F32-0B/1T	<p>15'-5/8" ACTUAL 16" NOMINAL HEIGHT</p> <p>1-1/2" MIN. CLEAR</p> <p>(2) #5 REBAR AT TOP</p> <p>C.M.U.</p> <p>GROUT</p> <p>(2) #5 REBAR AT BOTTOM OF LINTEL CAVITY</p> <p>BOTTOM REINFORCING PROVIDED IN LINTEL (VARIES)</p> <p>11'-5/8" ACTUAL 12" NOMINAL WIDTH</p> <p>FILLED</p>
Q	8F28-1B/1T	
R	8F40-0B/1T	
S	8F8-0B/1T	
T	8F40-1B/1T	

SAFE LOAD TABLE NOTES

- ALL VALUES BASED ON MINIMUM 4" NOMINAL BEARING. EXCEPTION: SAFE LOADS FOR UNFILLED LINTELS MUST BE REDUCED BY 20% IF BEARING LENGTH IS LESS THAN 6'-1/2". SAFE LOADS FOR ALL RECESSED LINTELS BASED ON 4" NOMINAL BEARING.
- 0 = NOT RATED.
- SAFE LOADS ARE TOTAL SUPERIMPOSED ALLOWABLE LOAD ON THE SECTION SPECIFIED.
- SAFE LOADS BASED ON GRADE 40. GRADE 60 MAY BE USED WITHOUT WRITTEN APPROVAL FROM EOR.
- ADDITIONAL LATERAL LOAD CAPACITY CAN BE OBTAINED BY THE DESIGNER BY PROVIDING ADDITIONAL REINFORCED MASONRY ABOVE THE PRECAST LINTEL.
- ONE #7 REBAR MAY BE SUBSTITUTED FOR TWO #5 REBARS IN 8" LINTELS ONLY.
- THE DESIGNER MAY EVALUATE CONCENTRATED LOADS FROM THE SAFE LOAD TABLES BY CALCULATING THE MAXIMUM RESISTING MOMENT AND SHEAR AT D-AWAY FROM THE FACE OF SUPPORT.
- FOR COMPOSITE LINTEL HEIGHTS NOT SHOWN, USE SAFE LOAD FROM NEXT LOWER HGT.
- ALL SAFE LOADS IN UNITS OF POUNDS PER LINEAR FOOT.

12" LINTEL DESIGNATION SCHEDULE

MARK	LINTEL REQUIREMENTS	
BB	12F8-2B/0T	<p>12F16-2B/2T</p> <p>TYPE DESIGNATION</p> <p>F = FILLED WITH GROUT U = UNFILLED R = RECESSED & FILLED WITH GROUT</p> <p>QUANTITY OF #5 REBAR @ BOTTOM OF LINTEL CAVITY</p> <p>QUANTITY OF #5 REBAR AT TOP</p> <p>NOMINAL HEIGHT</p> <p>NOMINAL WIDTH</p>
DD	12F16-2B/2T	
		<p>15'-5/8" ACTUAL 16" NOMINAL HEIGHT</p> <p>1-1/2" MIN. CLEAR</p> <p>(2) #5 REBAR AT TOP</p> <p>C.M.U.</p> <p>GROUT</p> <p>(2) #5 REBAR AT BOTTOM OF LINTEL CAVITY</p> <p>BOTTOM REINFORCING PROVIDED IN LINTEL (VARIES)</p> <p>11'-5/8" ACTUAL 12" NOMINAL WIDTH</p> <p>FILLED</p>

STRUCTURAL DETAILS

REVISIONS

BY



JUSTIN SOLITRO

PROFESSIONAL ENGINEER - 81395

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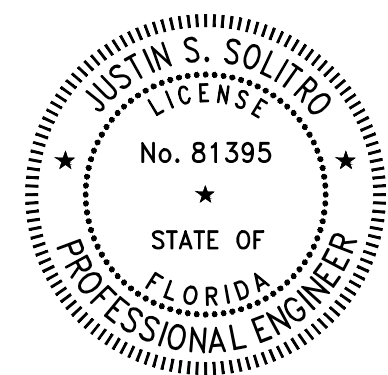
AUSTIN & NIKKI TINKLEY

LOT 32 BLK A MEREDITH MANOR NOB HILL

214 NOB HILL CIRCLE

LONGWOOD, FL 32779

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04/14/2023

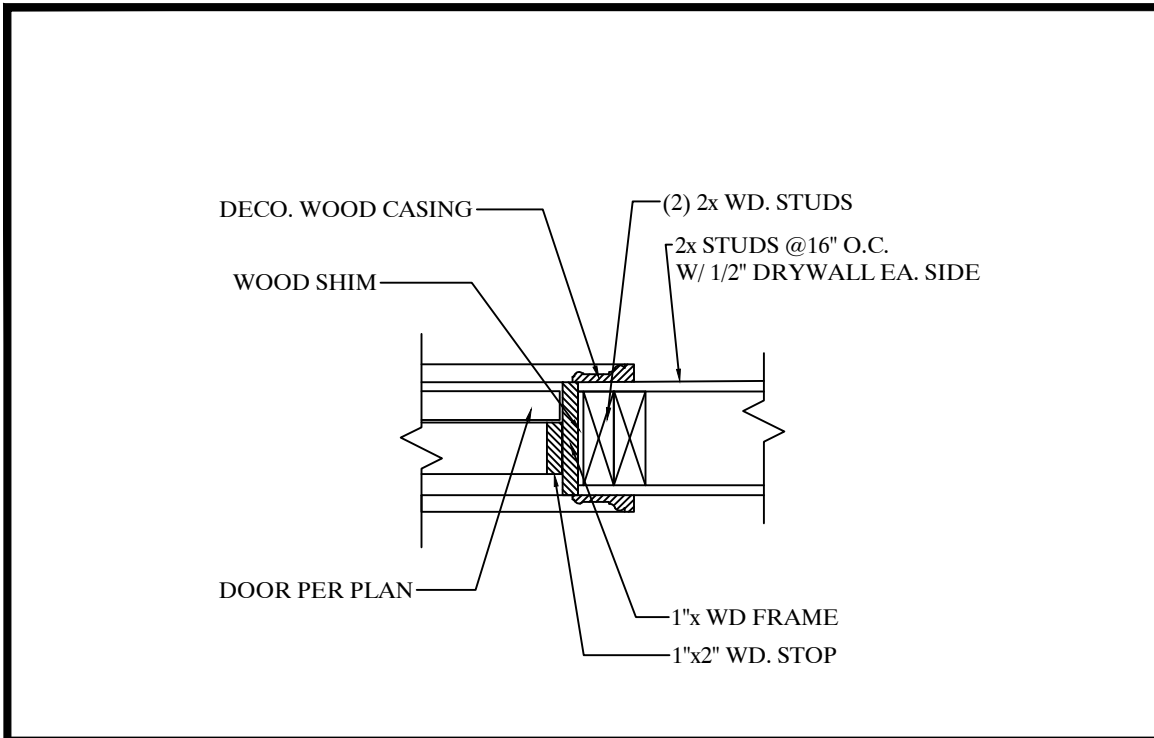
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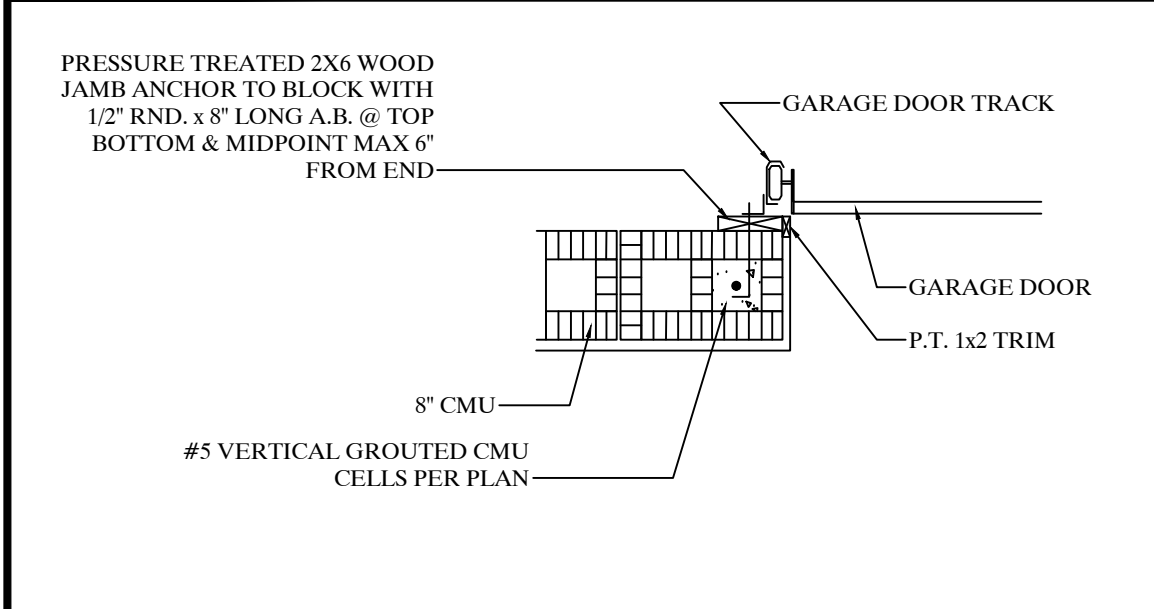
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SHEET

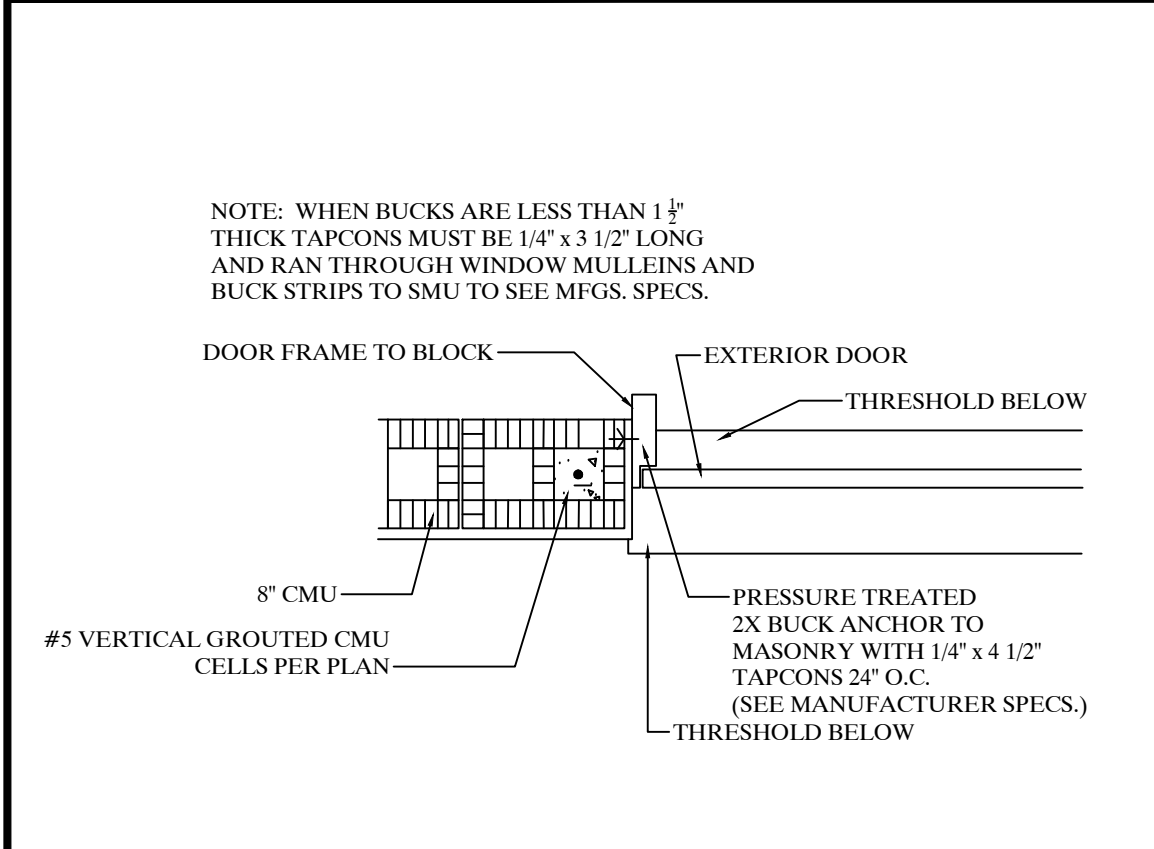
A12



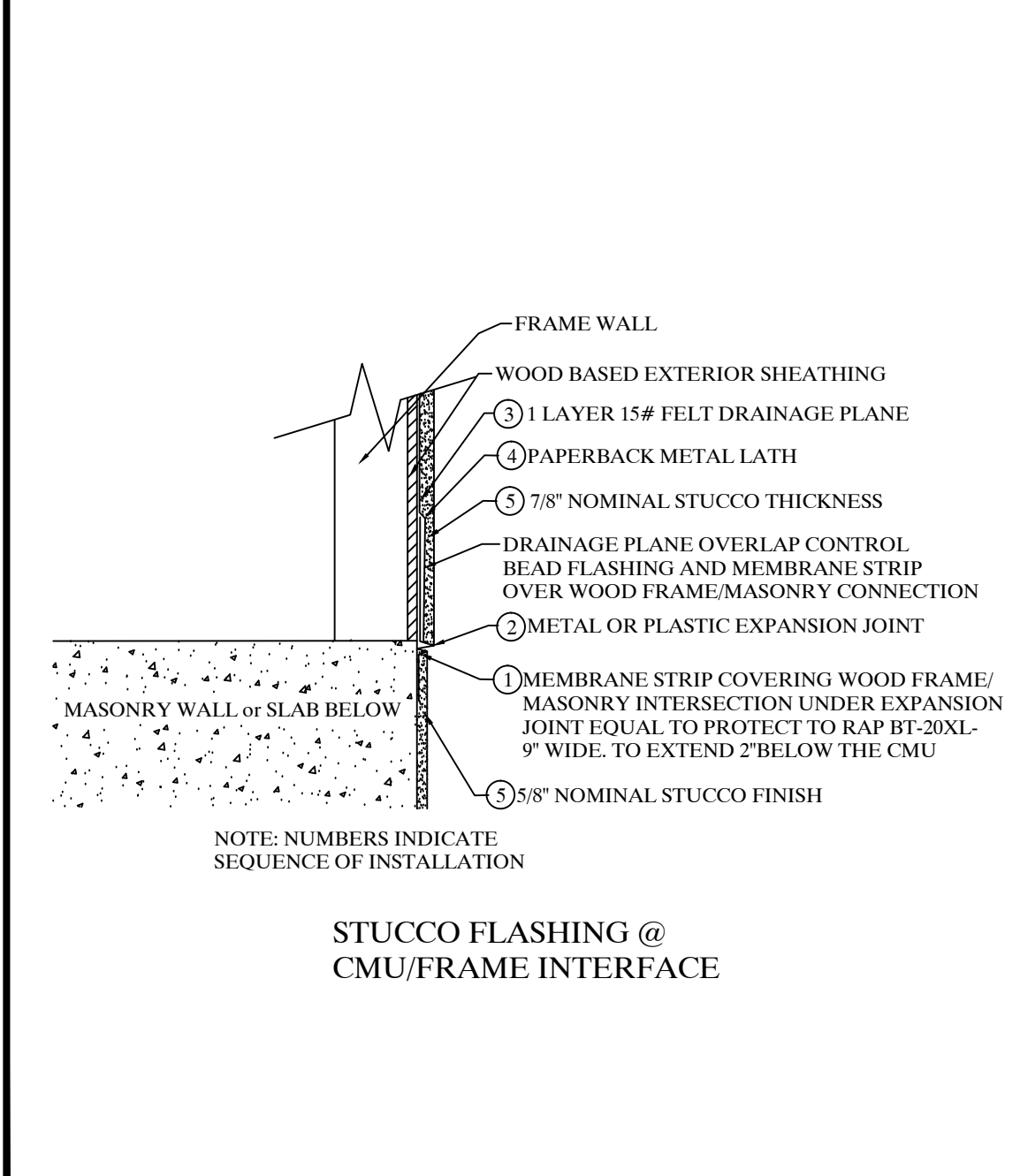
INTERIOR DOOR JAMB DETAIL



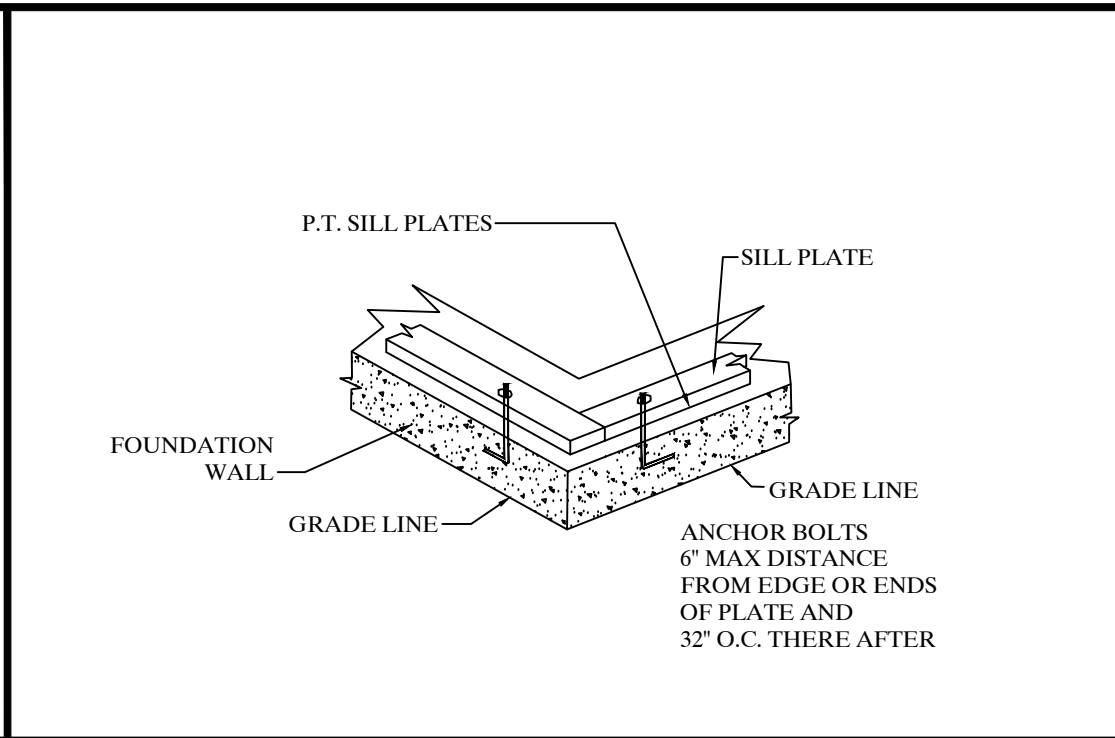
GARAGE DOOR JAMB 8" CMU



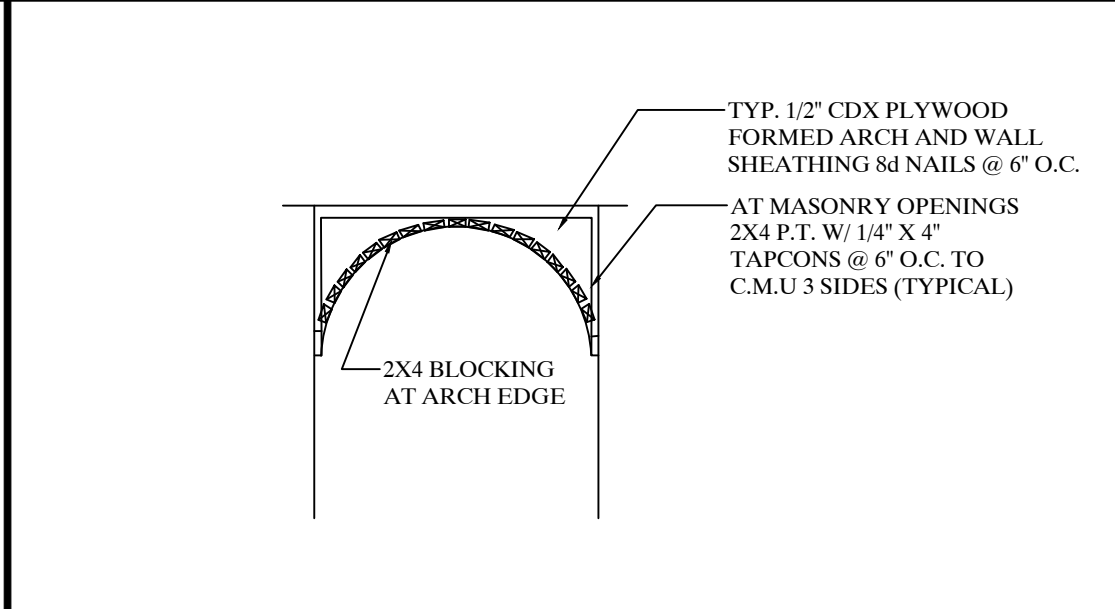
JAMB AT EXTERIOR DOOR



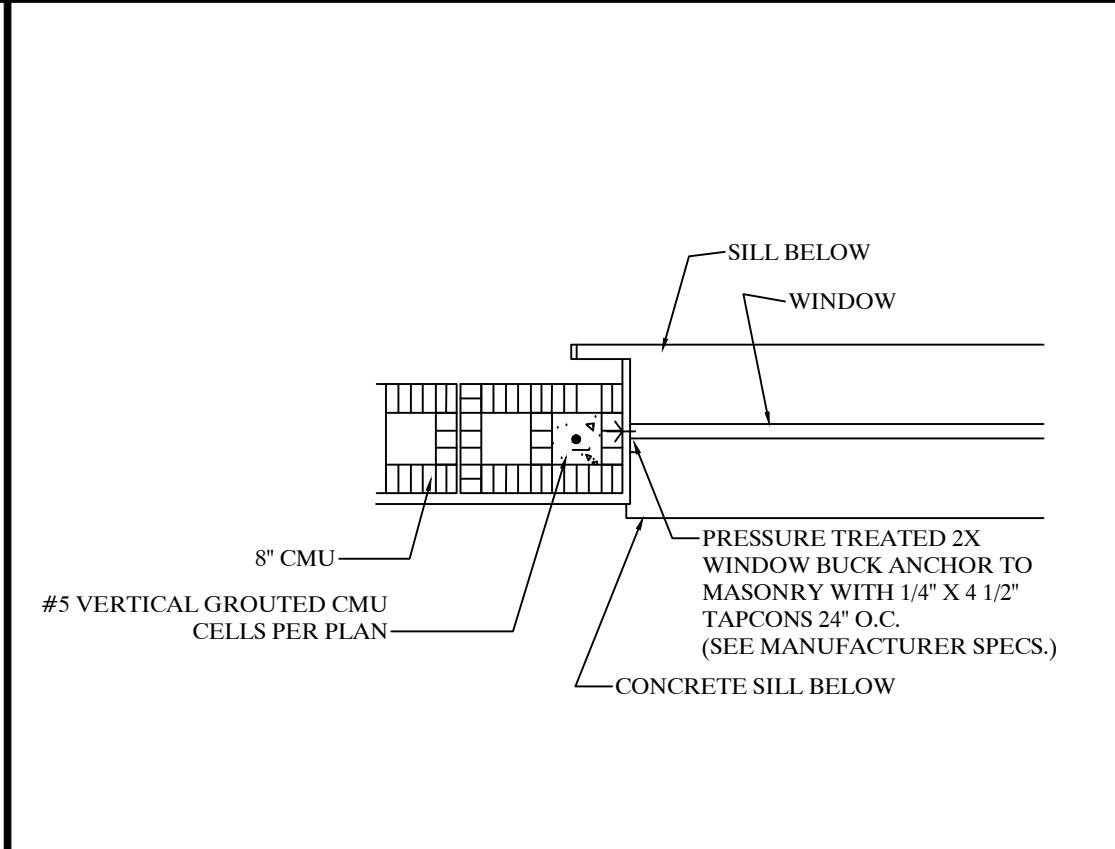
STUCCO FLASHING DETAIL



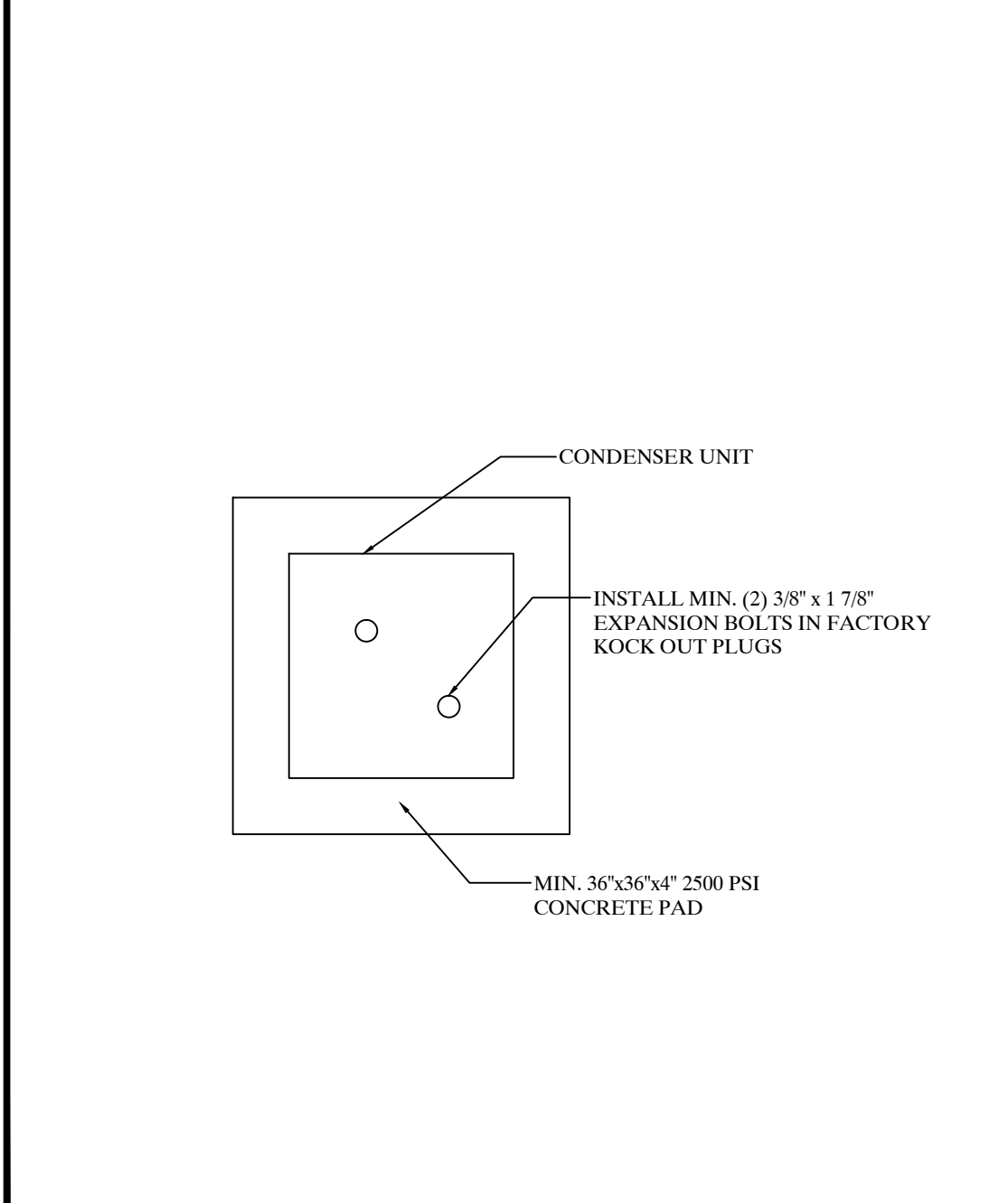
BOTTOM PLATE ATTACHMENTS



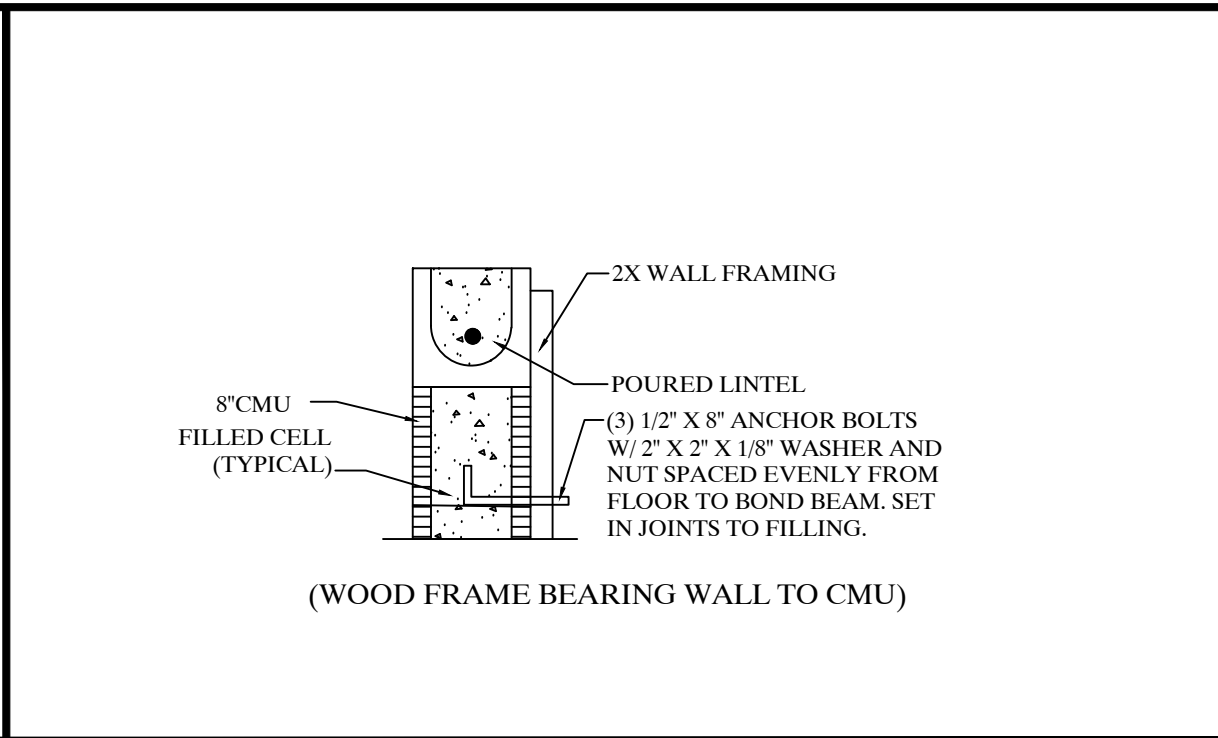
ARCH TOP FRAME DETAIL



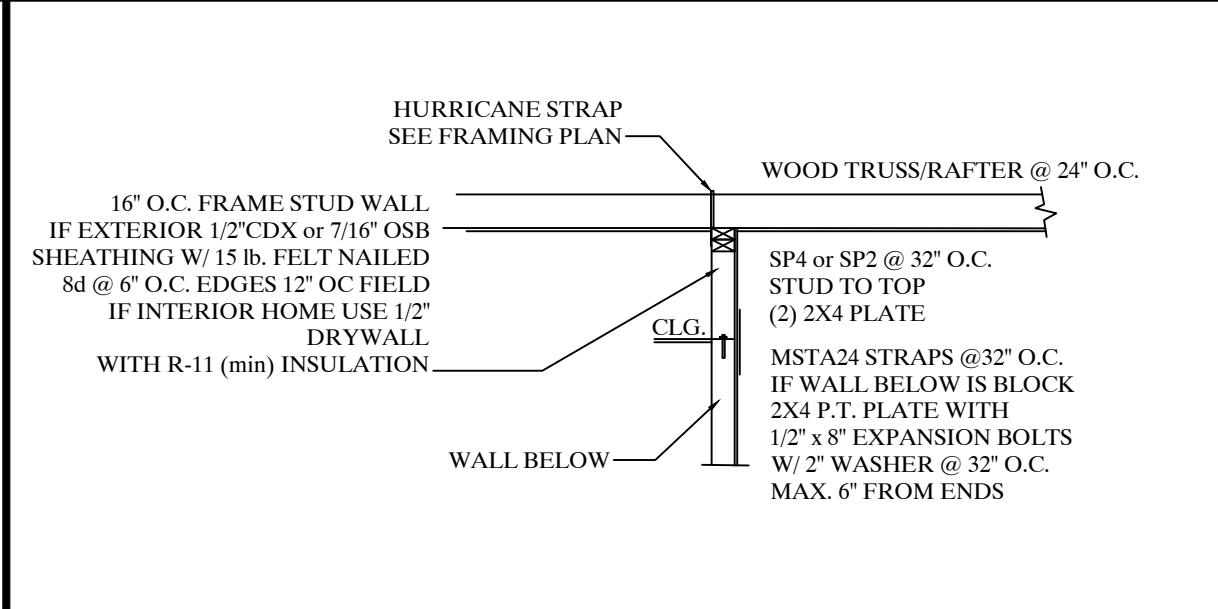
WINDOW JAMB 8" CMU



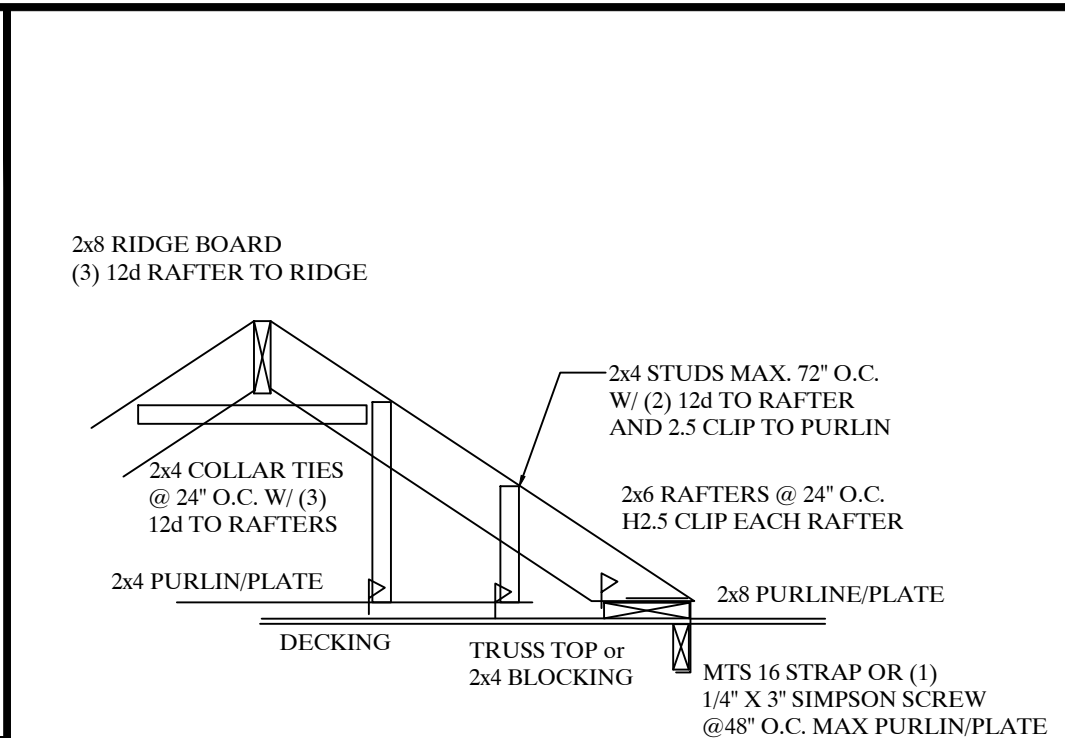
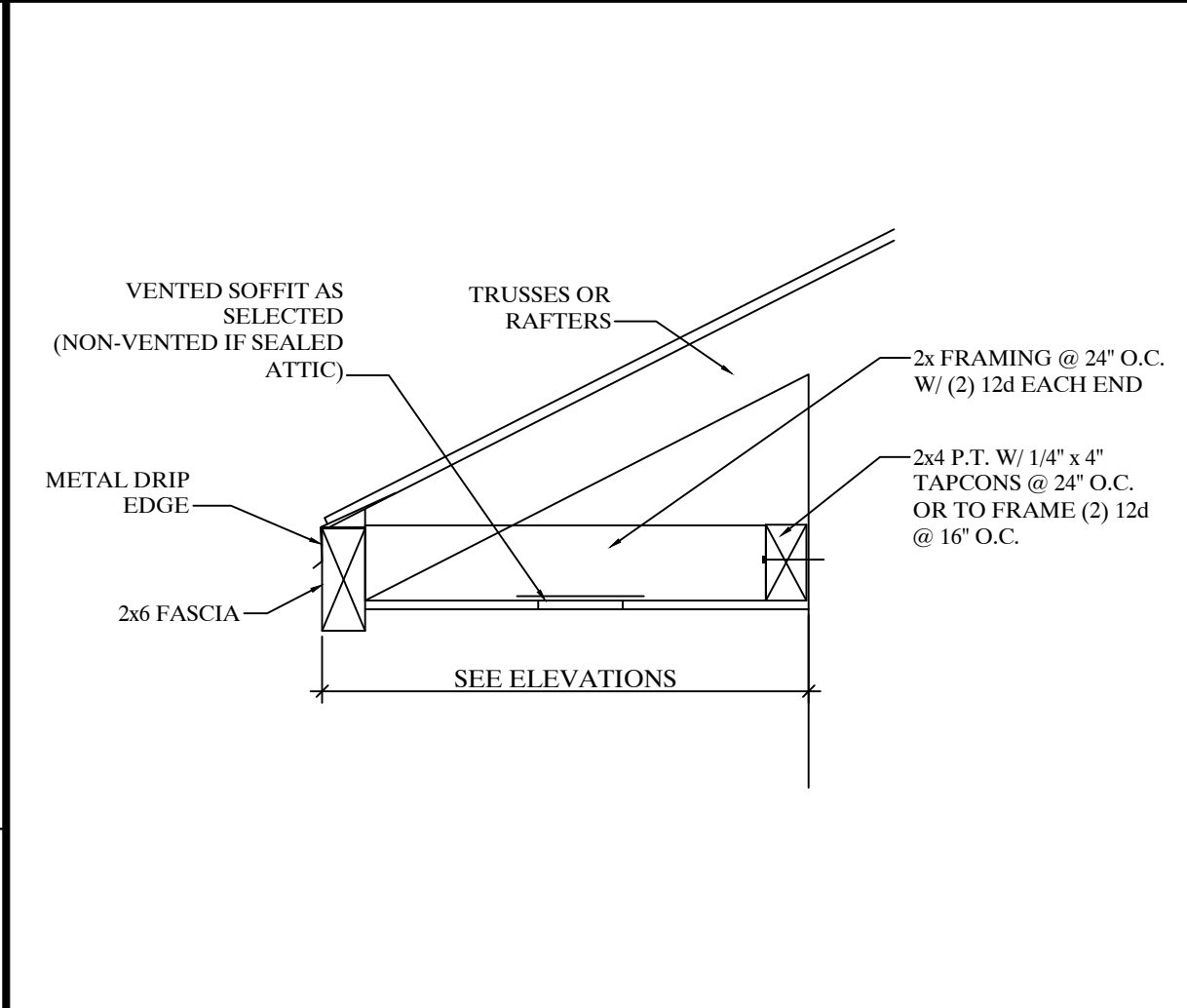
CONDENSOR ANCHORING DETAIL



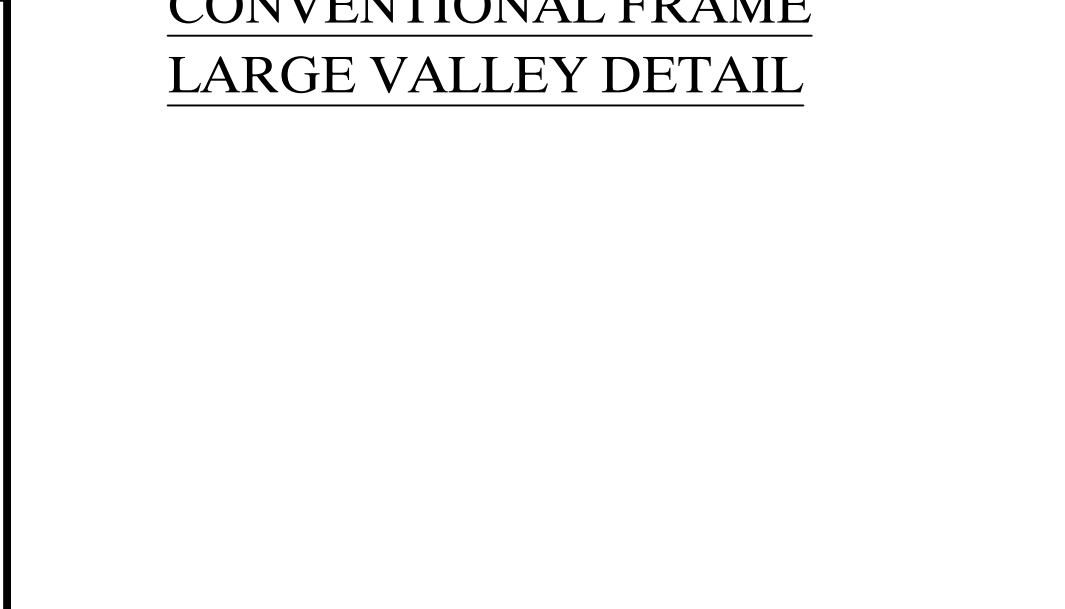
EXTERIOR FRAME TO BLOCK WALL CONNECTION



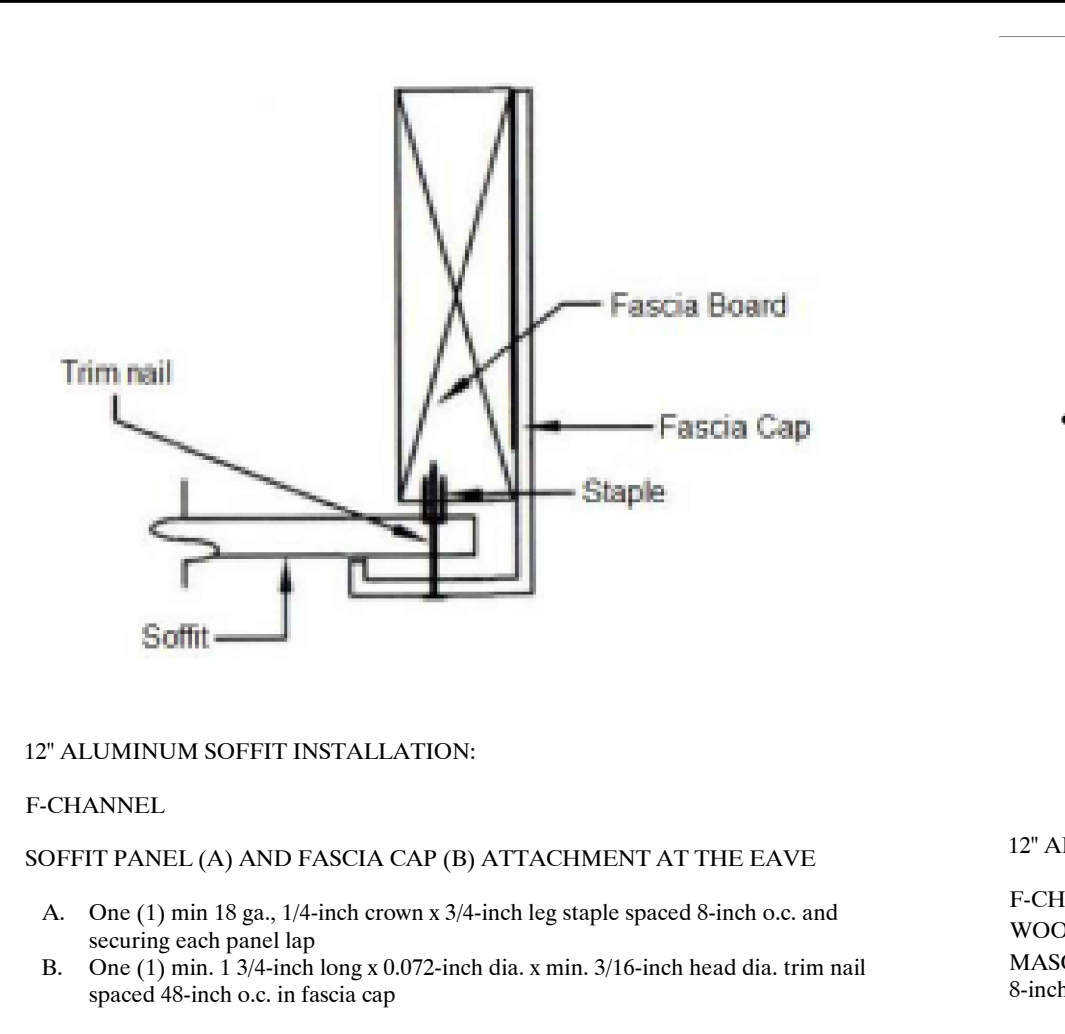
KNEE WALL DETAIL



CONVENTIONAL FRAME LARGE VALLEY DETAIL



TYPICAL FILLED CELL DETAIL



STEP DOWN TIE BEAM

SOFFIT ATTACHMENT DETAIL

R803.2.3.1 Sheathing Fastenings

Wood structural panel sheathing shall be fastened to roof framing in accordance with Table R803.2.3.1. Where the sheathing thickness is 5/8 inches and less, sheathing shall be fastened with ASTM F1667 RSRS-01 (2 1/2" x 0.113") nails. Where the sheathing thickness is greater than 5/8 inches, sheathing shall be fastened with ASTM F1667 RSRS-03 (2 1/2" x 0.131") nails or ASTM F1667 RSRS-04 (3"x0.120") nails. RSRS-01, RSRS-03 and RSRS-04 are ring shank nails meeting the specifications in ASTM F1667.

TABLE R803.2.2.

MINIMUM ROOF SHEATHING THICKNESS

Rafter/Truss spacing 24 in. o.c.	WIND SPEED							
	115 mph	120 mph	130 mph	140 mph	150 mph	160 mph	170 mph	180 mph
Minimum Sheathing Thickess, inches (Panel Span Rating) Exposure B	7/16 (24/16)	7/16 (24/16)	7/16 (24/16)	7/16 (24/16)	15/32 (32/16)	19/32 (40/20)	19/32 (40/20)	19/32 (40/20)
Minimum Sheathing Thickness, inches (Panel Span Rating) Exposure C	7/16 (24/16)	7/16 (24/16)	15/32 (32/16)	19/32 (40/20)	19/32 (40/20)	19/32 (40/20)	19/32 (40/20)	23/32 (48/24)

EXTERIOR WALL NAIL PATTERN:
1. PLYWOOD: (FIELD) USE 8d NAILS AT 6" O.C. SPACING
(EDGE) USE 8d NAILS AT 4" O.C. SPACING (EXTERIOR WALL SHEATHING)

2ND FLOOR NAILING PATTERN:
USE 8d NAILS AT 6" O.C. SPACING AT EDGES (GLUE AND NAIL)
USE 8d NAILS AT 8" O.C. SPACING AT FIELD (GLUE AND NAIL)

GYPSUM BOARD NAILING PATTERN:
USE 5d NAILS AT 7" O.C. SPACING

SUBSTITUTION:
ZIP BOARD MAY BE USED
IN PLACE OF OSB/PLYWOOD
SHEATHING FOR ROOF, GABLE,
AND WALL SHEATHING.

TABLE R803.2.3.1

ROOF SHEATHING ATTACHMENT^{a,b}

Rafter/Truss Spacing 24 in. o.c.	WIND SPEED															
	115 mph		120 mph		130 mph		140 mph		150 mph		160 mph		170 mph		180 mph	
	E	F	E	F	E	F	E	F	E	F	E	F	E	F	E	F
EXPOSURE B																
Rafter/Truss SG = 0.42	6	6	6	6	6	6	6	6	6	6	4	4	4	4	4	4
Rafter/Truss SG = 0.49	6	12	6	12	6	6	6	6	6	6	6	6	6	6	6	6
EXPOSURE C																
Rafter/Truss SG = 0.42	6	6	6	6	6	6	4	4	4	4	4	4	3	3	3	3
Rafter/Truss SG = 0.49	6	6	6	6	6	6	6	6	6	6	6	6	4	4	4	4

a. For sheathing located a minimum of 4 feet from the perimeter edge of the roof, including 4 feet on each side of ridges and hips, nail spacing is permitted to be 6 inches on center along panel edges and 6 inches on center along intermediate supports in the panel field.

b. Where rafter/truss spacing is less than 24 inches on center, roof sheathing fastening is permitted to be in accordance with the AWC WFCM or the AWC NDS.

SHEATHING ATTACHMENT DETAIL

REVISIONS	BY

FLA PLANS

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NEW RESIDENCE FOR
AUSTIN & NIKKI TINKLEY
LOT 32 BLK A MEREDITH MANOR NOB HILL
214 NOB HILL CIRCLE
LONGWOOD, FL 32779

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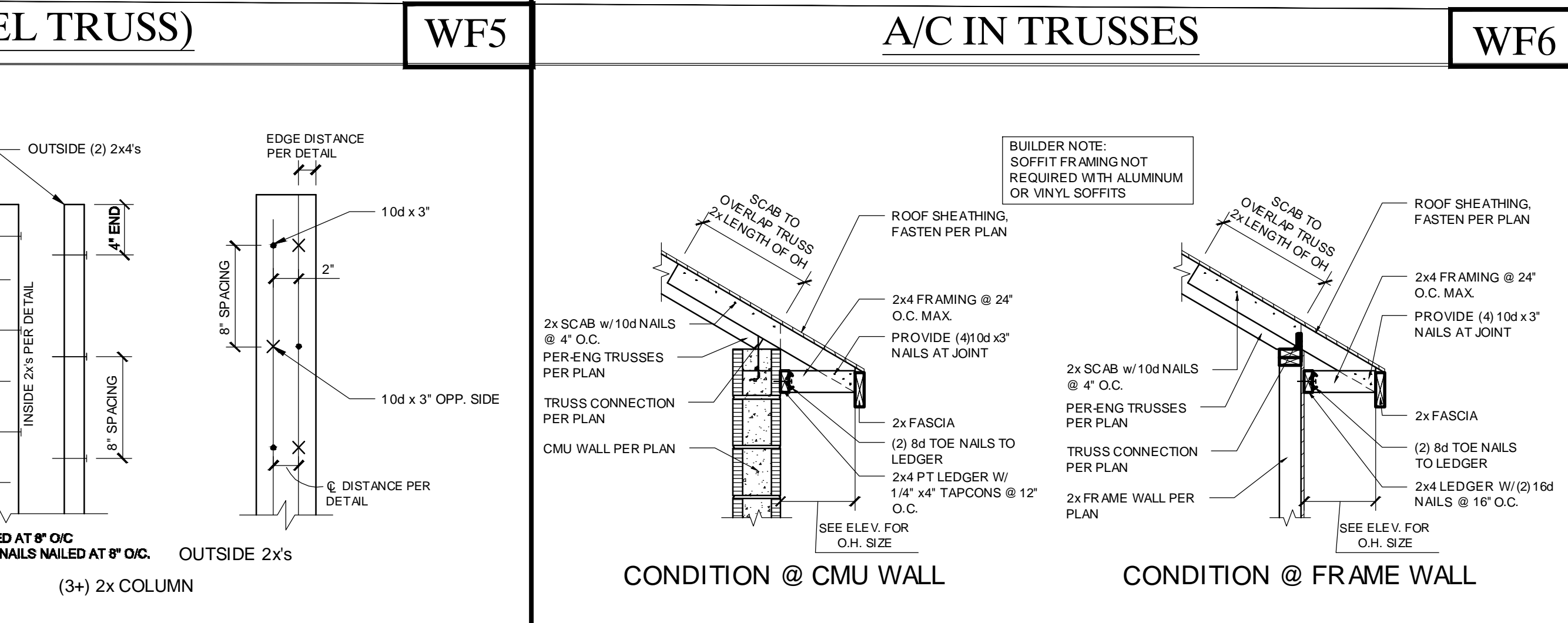
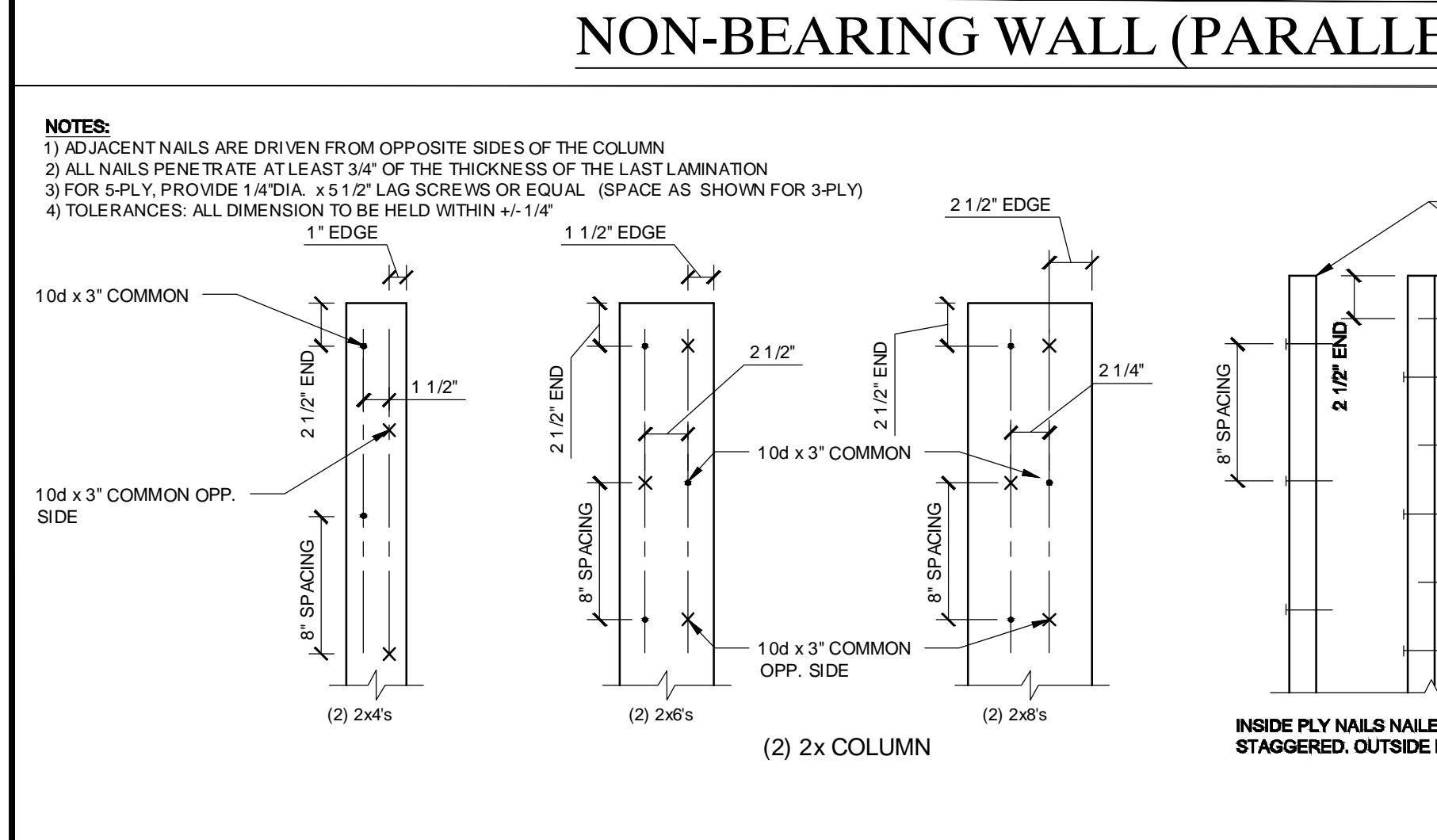
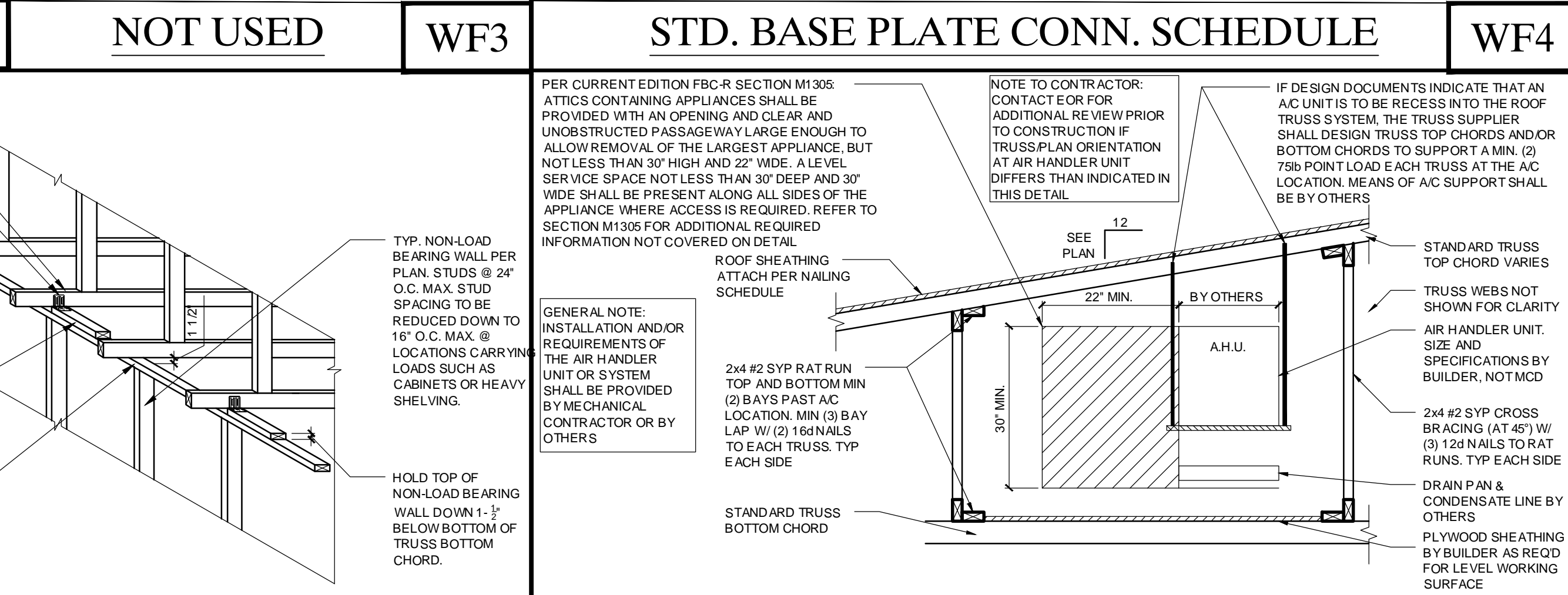
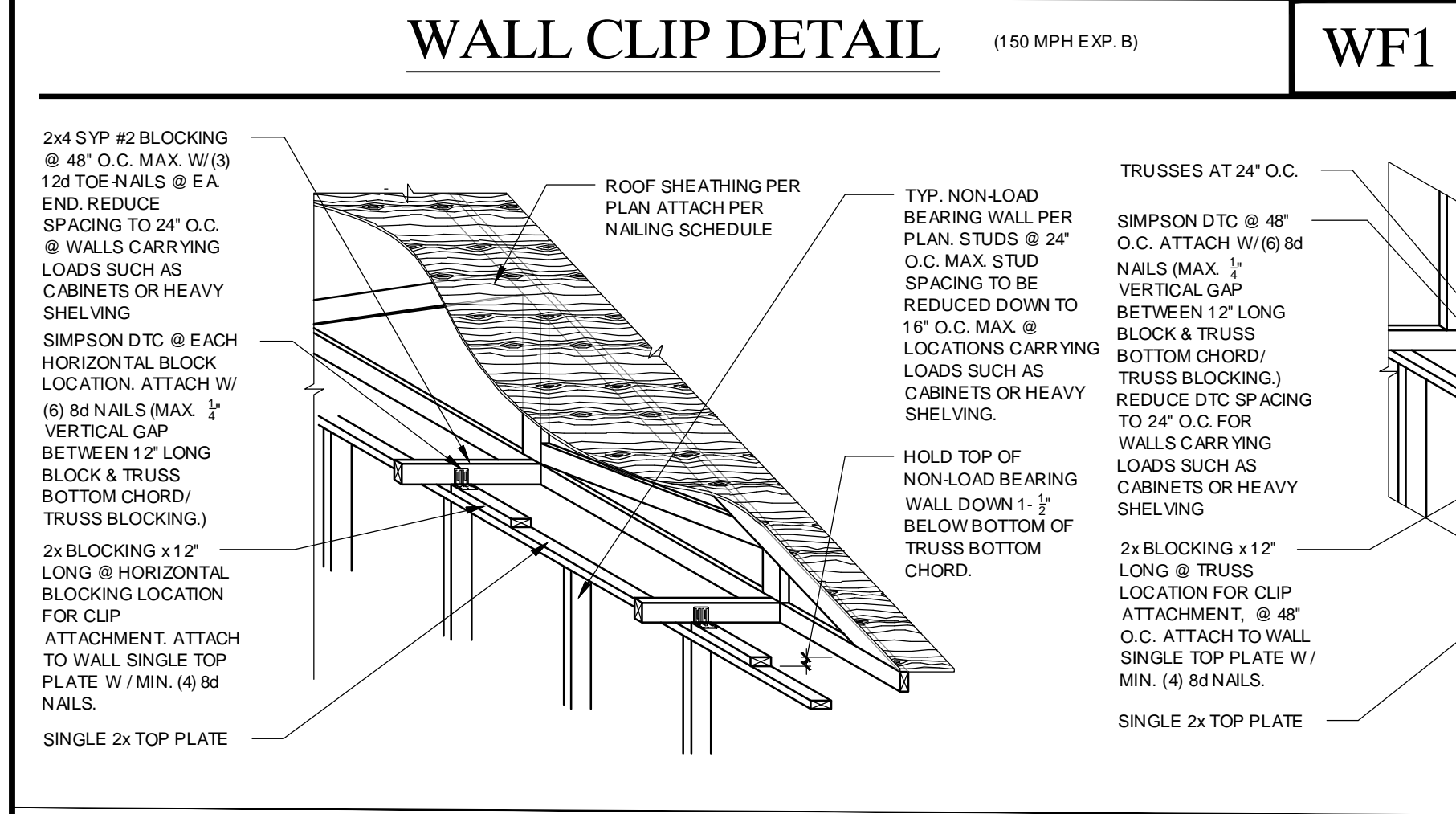
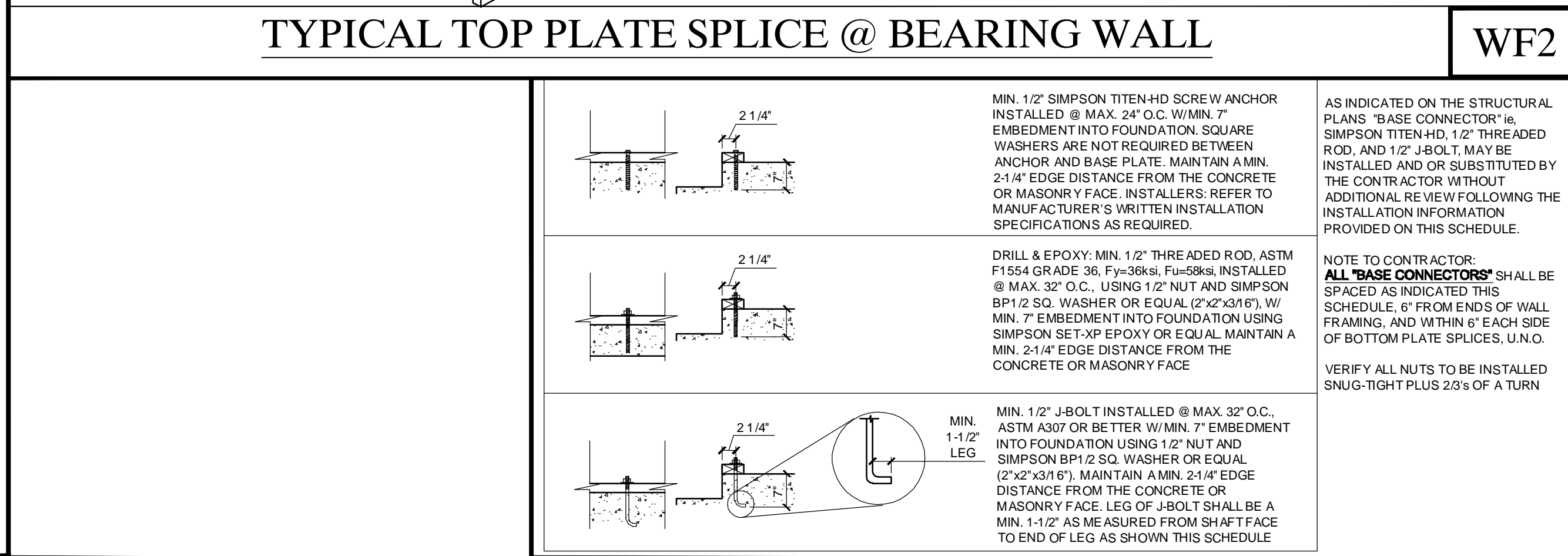
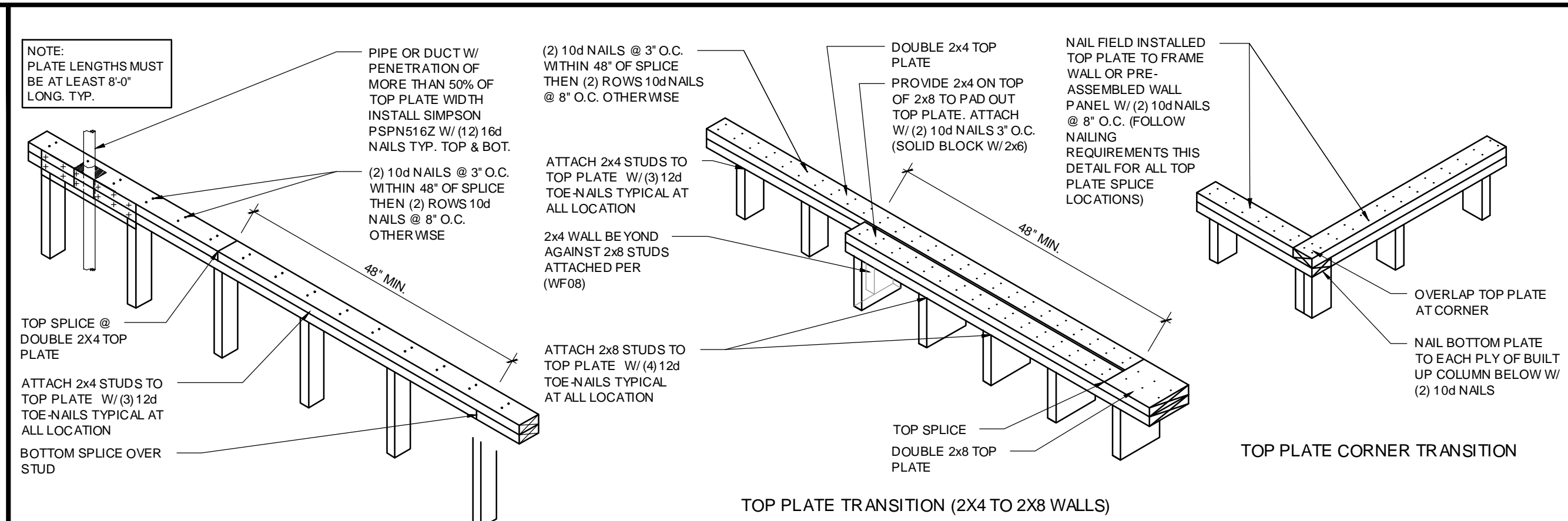
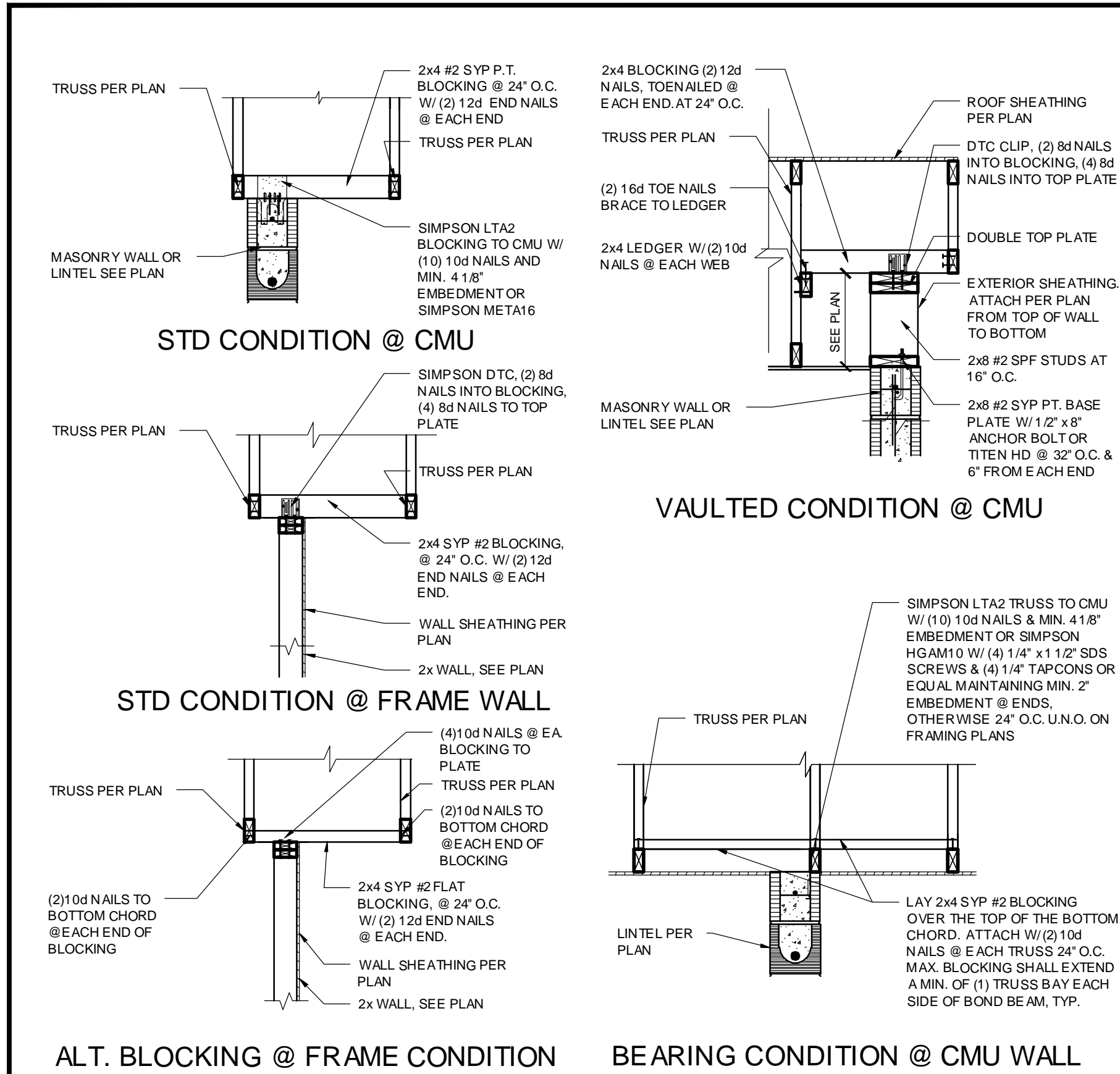
JUSTIN S. SOLITRO
No. 81395
STATE OF FLORIDA
PROFESSIONAL ENGINEER

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JOB #:
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JS
CHECKED BY:
JS
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AS NOTED

STRUCTURAL DETAILS



REVISIONS	BY

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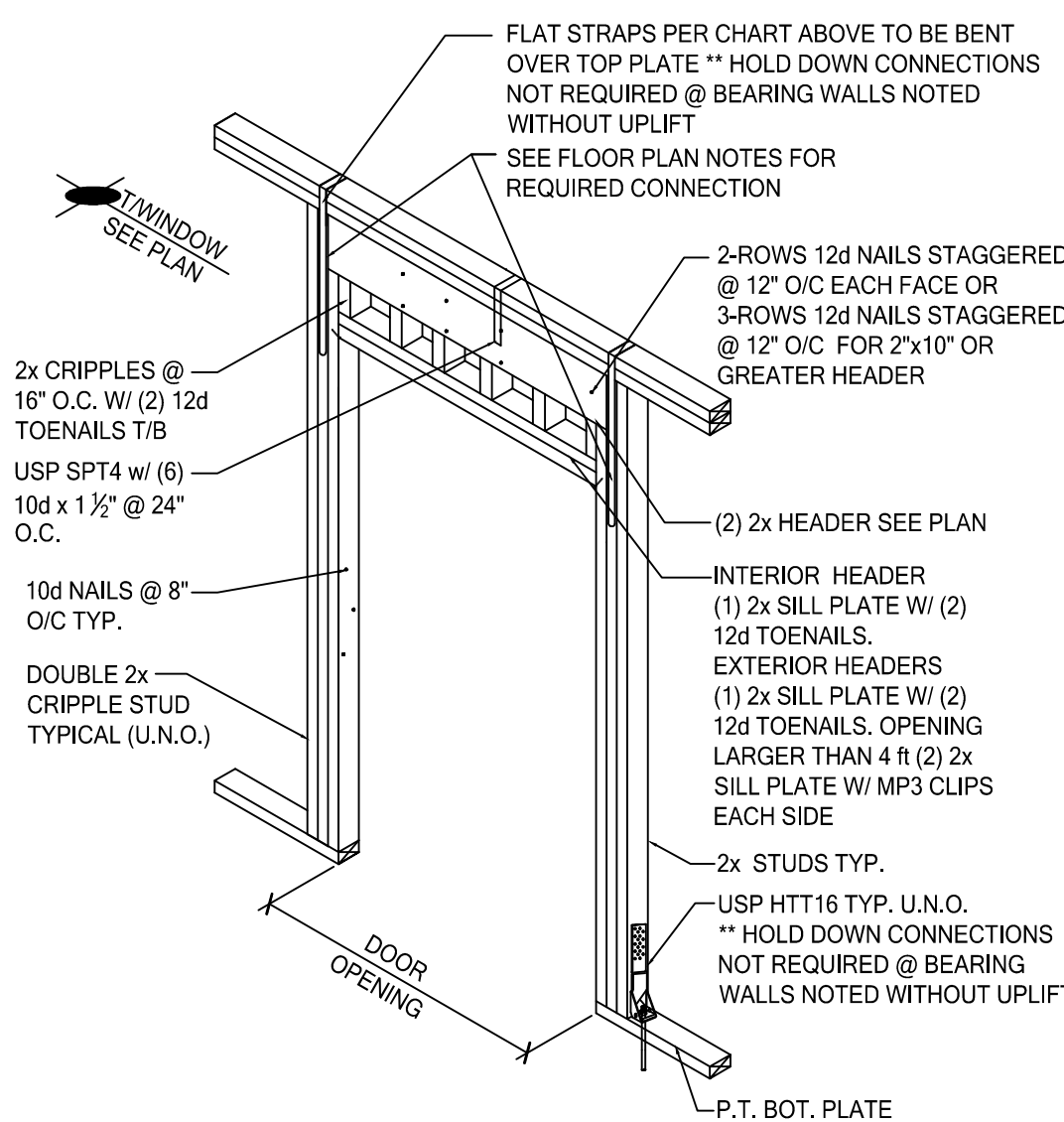
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STRUCTURAL DETAILS

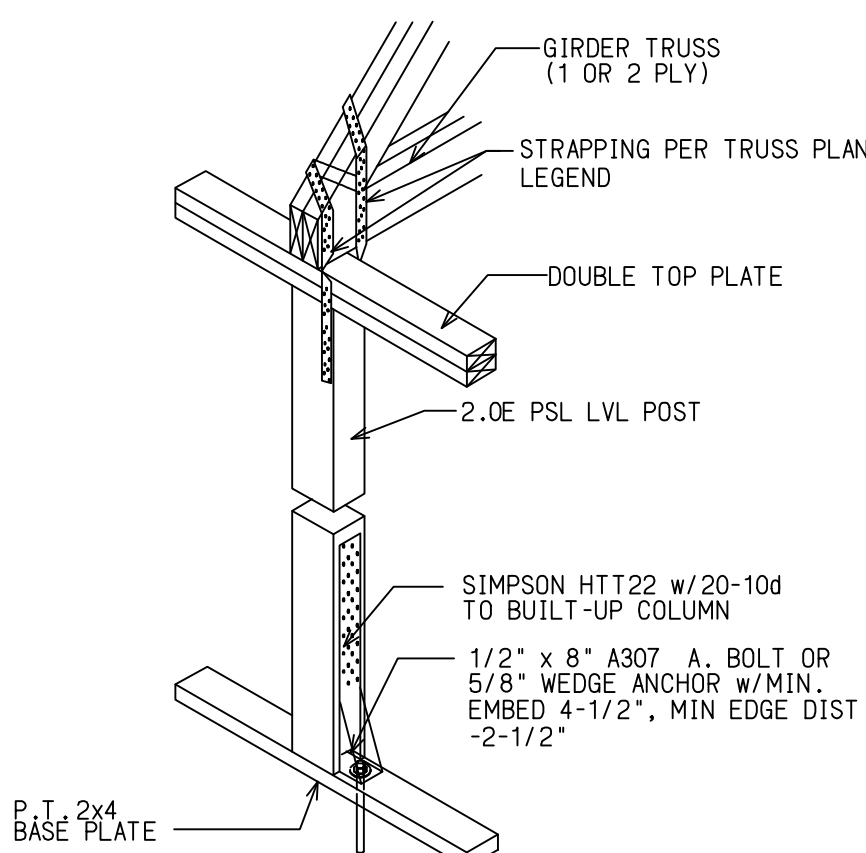
A14

HEADER SUPPORT NO. OF JACKS & STUDS REQ. AT OPENINGS					
OPENING SIZE	2" x 4" WALL		2" x 6" WALL		STRAPS
	JACKS EA END	STUDS EA END	JACKS EA END	STUDS EA END	
1'-4"	(1)	(2)	(1)	(2)	(1) USP LSTA30
4'-9"	(2)	(3)	(2)	(2)	(1) USP LSTA30
9'-16"	(3)	(4)	(2)	(4)	(2) USP LSTA30



WALL HEADER DETAIL

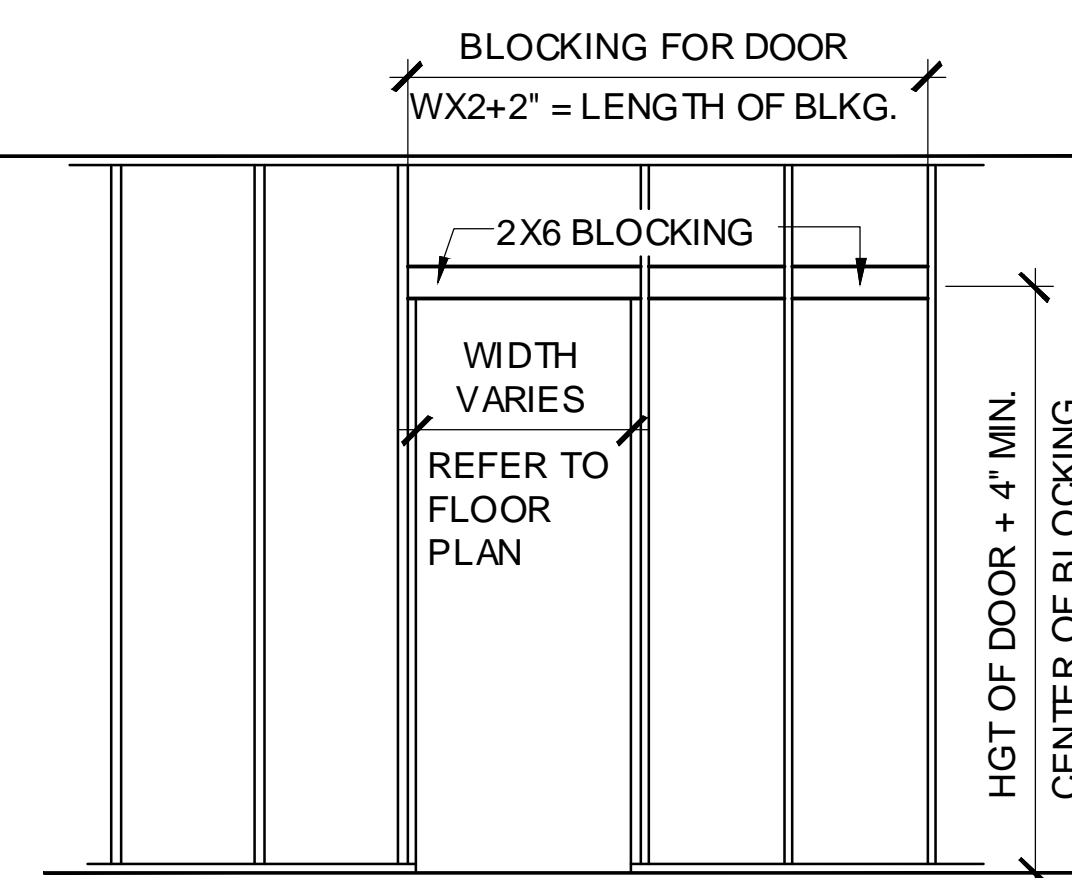
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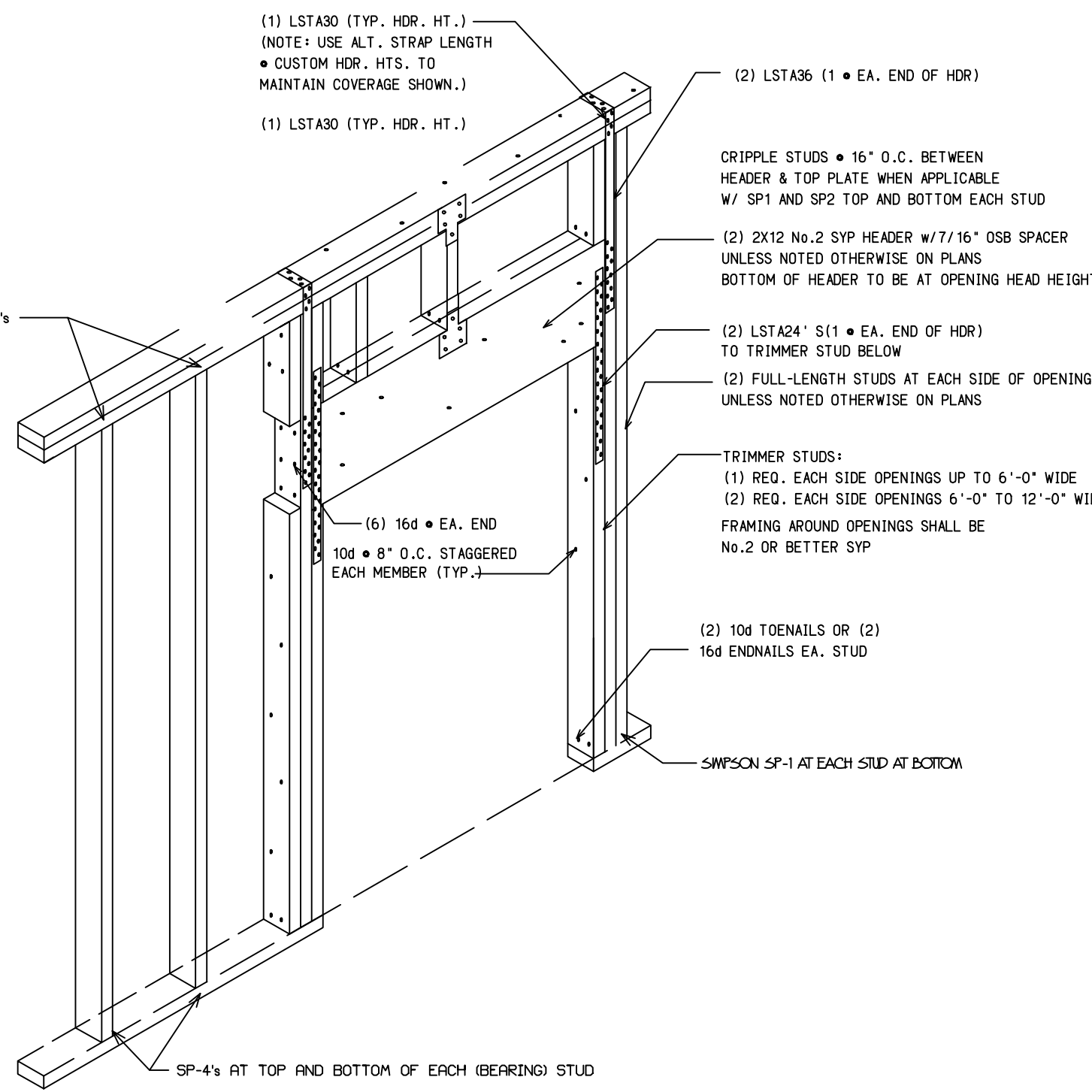
HIGH REACTION FRAME SUPPORT

GIRDER BEAM CONN. UPLIFT CAP. @ GIRDER: 2300#

REFER TO DOOR HANGER MNF. SPECS FOR SPECIFIC DIMS REQUIRED FOR HARDWARE AND DOOR PLACEMENT

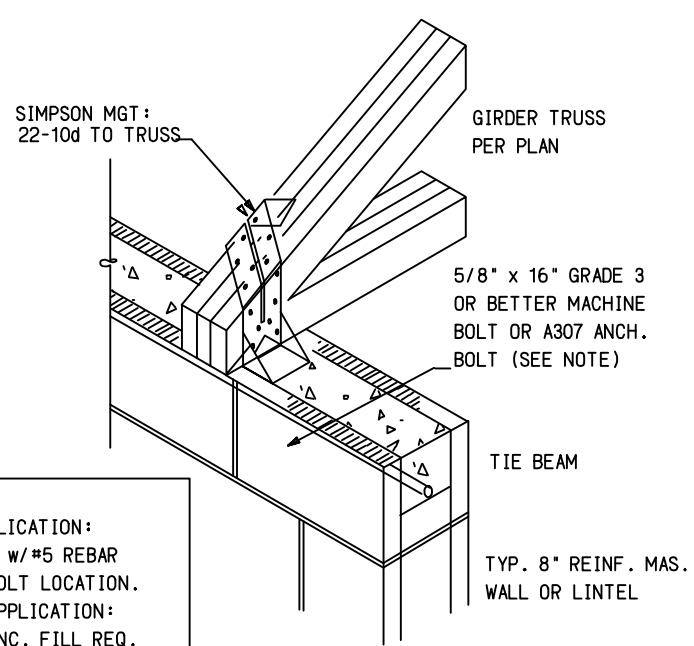


BARN DOOR- FRAMING ELEVATION



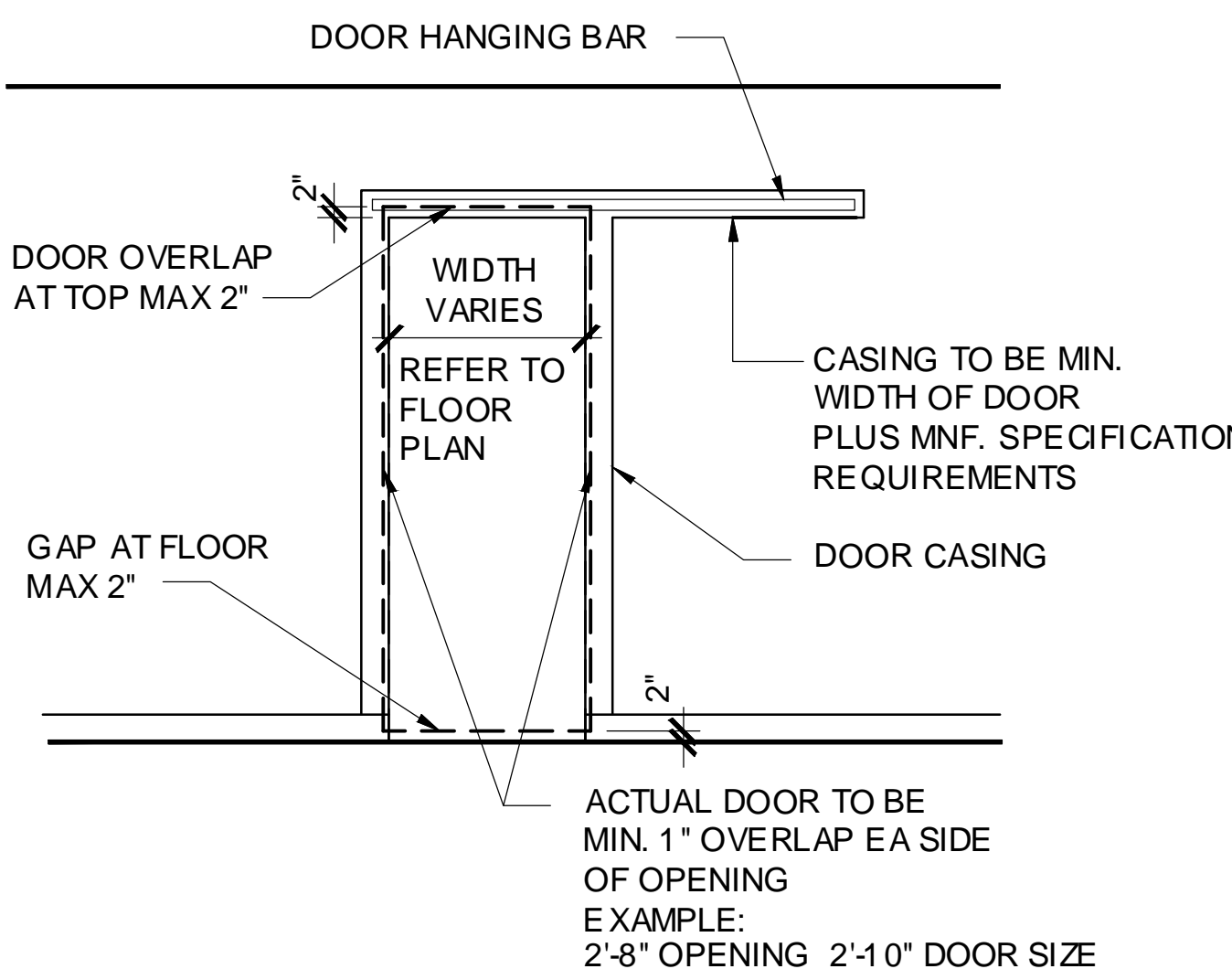
TYPICAL FRAMING @ EXT. DOOR OPENINGS

N.T.S.



HIGH UPLIFT GIRDER TO MASONRY WALL/LINTEL

MAX. UPLIFT CAP. -3965#



BARN DOOR- ELEVATION

TRUSS NOTES

-NOTE TO TRUSS INSTALLER-FRAMER: FOLLOW BUILDING COMPONENT SAFETY INFORMATION (BCSI 1-03) DOCUMENTS BCSI-B1 BCSI-B2, BCSI-B7 TO STORE, HANDLE, INSTALL, GROUND BRACE AND TEMPORARY BRACE TRUSSES OUT IN THE FIELD. DOCUMENTS ARE TYPICALLY INCLUDED W/TRUSS PACKAGES AND ARE READILY AVAILABLE FROM WTCA AT 608-310-6726.

-DRILL AND EPOXY AS PER MANUFACTURER'S SPECS. EPOXY=SIMPSON SET EPOXY

-(2)HETA 16 APPLICATION: EA. ANCHOR IS TO BE INSTALLED ON OPPOSITE SIDES OF WOOD MEMBER CENTERED IN MASONRY BOND BEAM W/ 8-16d NAILS PER STRAP.

-NOTE: ALL CONNECTORS TO BE INSTALLED IN STRICT ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS INSTALLATION INSTRUCTIONS AND WITH ALL OF THE CATALOG SPECIFIED FASTNERS U.N.O.

-PIGGYBACK ASSEMBLY TO BE INSTALLED, BRACED & DIAGONALLY BRACED PER TRUSS DESING DRAWINGS AND TRUSS INSTALLATION DETAILS BY OTHERS.

CONNECTORS (U.N.O.):

- TRUSSES TO C.M.U. WALLS: 1HETA16

- TRUSSES TO WOOD BEAM OR BEARING WALLS: 1 MTS12.

- JACKS: (1) TJC37 W/6-8d X 1 1/2" & 6-8d X 1 1/2"

-NOTE: PROVIDE 2x BLOCKING AT RAISED HEEL TRUSSES

-NOTE: VALLEY SET TRUSSES W/MTS12 TO EACH TRUSS BELOW U.N.O. ON TRUSS ENGINEERING.

-HUC HANGER SHOULD BE INSTALLED SUCH THAT A MINIMUM END AND EDGE DISTANCE OF 1-1/2" IS MAINTAINED.

-MBHA 3.25-11.25 W/1-ATR 3/4"x8" W/ SIMPSON SET EPOXY @TOP & FACE OF CMU AND 18-10D TO BEAM

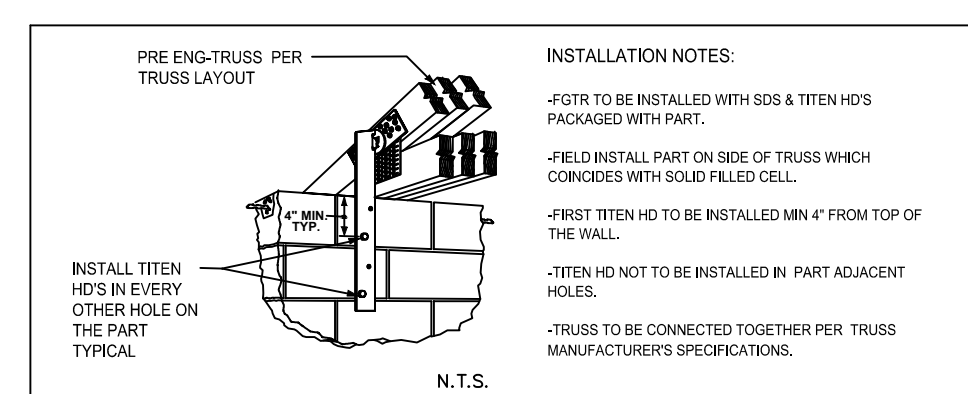
-AT EACH ENTRY BEAM BEARING POINT AT TOP CMU PROVIDE (2) HETA. 24. EA. HETA 24 W/1-10D OR (2) HTSM 20. EA. HTSM 20 W/ 10-10d & (4)-1/4X2-1/4 TITEN

-AN HUC410 COULD BE USED IN LIEU OF THE MBHA. HUC410 W/10-16d TO BEAM & (18) 1/4"x2-3/4" TITENS OR TAPCONS TO CMU.

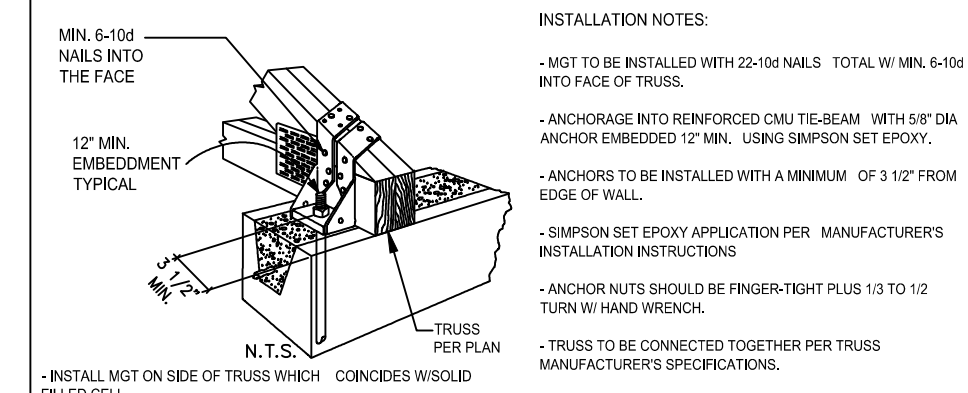
-WHERE TRUSS STRAPS ARE NOT IN PROPER PLACEMENT PROVIDE A (SIMPSON) HTSM16 FOR UPLIFTS UP TO 1,045 Lbs. HTSM16 W/8-10d x 1-1/2" & 4-1/4" x 2-1/4" MASONRY SCREWS. APPLIES TO A MAXIMUM OF 3 TRUSSES PER WALL.

-NOTE: ENGINEER OF RECORD TO BE NOTIFIED IMMEDIATELY IF TRUSS ENGINEERING VARIES OR DEVIATES FROM SEALED TRUSS PLAN/TRUSS PLACEMENT PLAN.

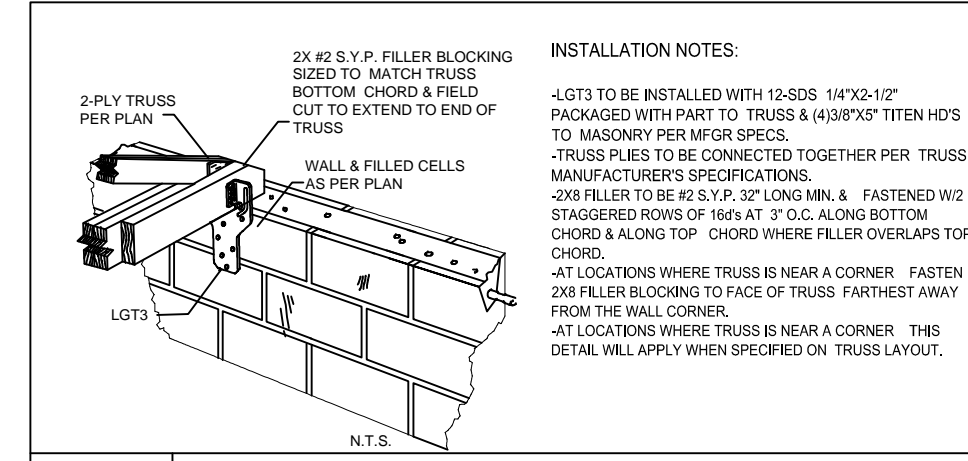
CONTRACTOR TO COMPLY W/ ANSI/TPI 1-2002 SECTION 2.6. TRUSS MANUFACTURER/ DESIGNER TO COMPLY WITH ANSI/TPI 1-2002 SECTION 2.7 & 2.8.



TYPICAL FGTR SINGLE INSTALLATION



TYPICAL MGT INSTALLATION



LGT3 INSTALLATION W/ FILLER

ABBREVIATION LIST

A.B. Anchor Bolt	HB Hose Bibb	U.N.O. Unless Noted Otherwise
Abv. Above	Int. Interior	VB Vanity Base
A/C Air-Conditioner	K/Wall Kneewall	Vert. Vertical
Adj. Adjustable	K.S. Knee Space	V.L. Versalam
A.F.F. Above Finished Floor	Laun. Laundry	VTR Vent through Roof
A.H.U. Air Handler Unit	I.L.O. In Lieu Of	W Washer
ALT. Alternate	Lav. Lavatory	W/ With
B.C. Base Cabinet	L.F. Linear Ft.	W/C Water Closet
B.F. Bifold Door	L.T. Laundry Tub	Wd Wedge Anchor
Bk Sh Book Shelf	Mas. Masonry	Wd Wood
Bm. Beam	Max. Maximum	WP Water Proof
BOT. Bottom	M.C. Medicine Cabinet	WS Water Softener
B.P. Bypass door	Mfr. Manufacturer	
Brg. Bearing	Micro. Micro	
Cir. Circle	Min. Minimum	
CL. Center Line	M.L. Microlam	
Clg. Ceiling	Mir. Mirror	
Col. Column	Mono Monolithic	
Comp. A/C Compressor	N.T.S. Not to Scale	
C.T. Ceramic Tile	Opt'g. Opening	
D. Dryer	Opt'l. Optional	
Dec. Decorative	Pc. Piece	
Ded. Dedicated Outlet	Ped. Pedestal	
Dbl. Double	P.L. Parallam	
Dia. Diameter	PLF Pounds per linear foot	
Disp. Disposal	Plt. Ht. Plate Height	
Dist. Distance	Plt Sh. Plant Shelf	
D.S. Drawer Slack	PSF Pounds per square foot	
D.V. Dryer Vent	P.T. Pressure Treated	
D.W. Dishwasher	Pwd. Powder Room	
Ea. Each	Rad. Radius	
E.W. Each Way	Ref. Refrigerator	
Elec. Electrical	Req'd. Required	
Elev. Elevation	Rm. Room	
Ext. Exterior	Rnd. Round	
Exp. Expansion	R/S Rod and Shelf	
F.B.C. Florida Bldg. Code	SD. Smoke Detector	
F.F.F. From Finished Floor	S.F. Square Ft.	
F.G. Fixed Glass	Sh. Shelves	
Fir. Floor	SHT Sheet	
Fdn. Foundation	S.L. Side Lights	
Fir. Sys. Floor System	S.P.F. Spruce Pine Fir	
F.PI. Fireplace	Sq. Square	
Fl. Foot / Feet	S.Y.P. Southern Yellow Pine	
Fig. Footing	Temp. Tempered	
FX Fixed	Thickn. Thicken	
Galv. Galvanized	T.O.B. Top of Block	
G.C. General Contractor	T.O.M. Top of Masonry	
G.F.I. Ground Fault Interrupter	T.O.P. Top of Plate	
G.T. Girder Truss	Trans. Transom Window	
Hdr. Header	Typ. Typical	
Hgt. Height	UCL Under Cabinet Lighting	

SIMPSON CONNECTORS

EACH FLOOR TRUSS ATTACHED TO CMU WITH (1)-HETA16 W/10-10d x 1 1/2" (CAP=1805#) & AT FRAME CONNECTION WITH (1)-MTS 20 W/14-10d x 1 1/2" (CAP=730#)

EACH ROOF TRUSS AT CMU TO BE ATTACHED WITH (1)-HETA16 W/10-10d x 1 1/2" NAILS (CAP=1805 #).

EACH ROOF TRUSS AT FRAME CONNECTION TO BE ATTACHED WITH (1)-MTS12 W/14-10d x 1 1/2" (CAP =730#)

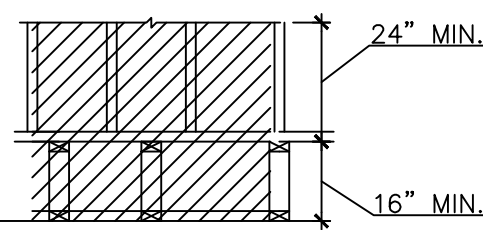
ENDJACKS AND CORNER SETS MAY BE (1)-H-10

ROOF SHEATHING TO BE 1/2" NOMINAL APA SHEATHING RATED 3/4" NAILED WITH 8d RING-SHANK NAILS OR 0.131 X 2-1/2" DEFORMED SHANK NAIL AT 6" O.C. AT PANEL EDGES AND 6" O.C. AT PANELS INTERMEDIATE FRAMING U.N.O. PER RB03.2.3.1 8d RING SHANK NAILS SHALL HAVE AMINIMUM 0.113" NOMINAL SHANK DIAMETER, A RING DIAMETER OF 0.012 OVER SHANK DIAMETER WITH 16 TO 20 RINGS PER INCH, A 0.280" FULL ROUND HEAD DIAMETER AND A 2" MINIMUM NAIL LENGTH. NOTE DEFORMED SHANK EQUALS EITHER SCREW OR RING SHANK.

WALL SHEATHING TO BE 15/32" CDX OR 7/16" OSB NAILED WITH 8d COMMON NAILS AT 12" O.C. FIELD AND AT 6" O.C. EDGE (U. N. O.) NOTE IN LIEU OF 8d 1 NAILS, PASLODE 2" x 0.099" DIAMETER POWER 4 DRIVEN COATED SCREW SHANK NAILS MAY BE USED AT 6" O.C. FIELD AND AT 3" O.C. EDGE (U. N. O.), WITHOUT STRUCTURAL SHEATHING

EXTERIOR BEARING WALLS TO BE 2x (SEE FLOOR PLAN) #2 SPF, OR #3 SYP @ 16" O.C. U.N.O. W/1 H3 AT TOP AND BOTTOM OF EACH FULL LENGTH STUD. (SIMPSON APPROVED EQUAL IS SP1 @ BOTTOM AND SP2 @ TOP) WITH STRUCTURAL SHEATHING

EXTERIOR BEARING WALLS TO BE 2x (SEE FLOOR PLAN) #2 SPF, OR #3 SYP @ 16" O.C. U.N.O. W/ 1-H3 AT TOP @ 32" O.C. (SIMPSON APPROVED EQUAL IS A SP2 1 @ TOP) PROVIDE (U.N.O.M.) EXTERIOR 2" STRUCTURAL 2" SHEATHING, BEGINNING AT THE BOTTOM OF THE FLOOR SYSTEM AND EXTEND A MIN. OF 24" ABV. THE SOLE PLATE OF THE 2ND. FLOOR STUD WALL. NAIL W/ 1 5/8" x 2" @ 4" O.C. AT THE PERIMETERS & 6" O.C. IN 2 THE FIELD AND A MIN. OF 6 NAILS STAGGERED IN THE FLOOR SYSTEM & 6 NAILS IN THE STUD ABV.



REVISIONS	BY



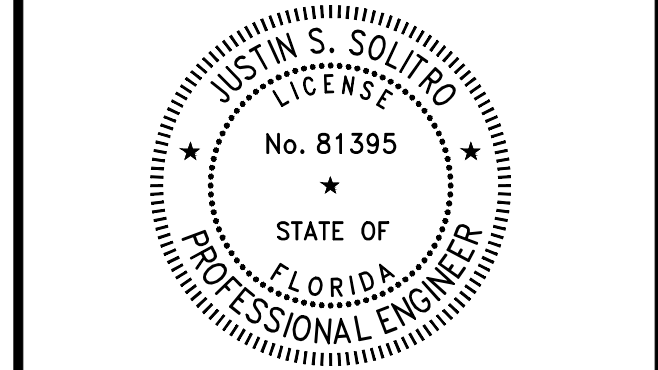
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NEW RESIDENCE FOR
AUSTIN & NIKKI TINKLEY
LOT 32 BLK A MEREDITH MANOR NOB HILL
214 NOB HILL CIRCLE
LONGWOOD, FL 32779

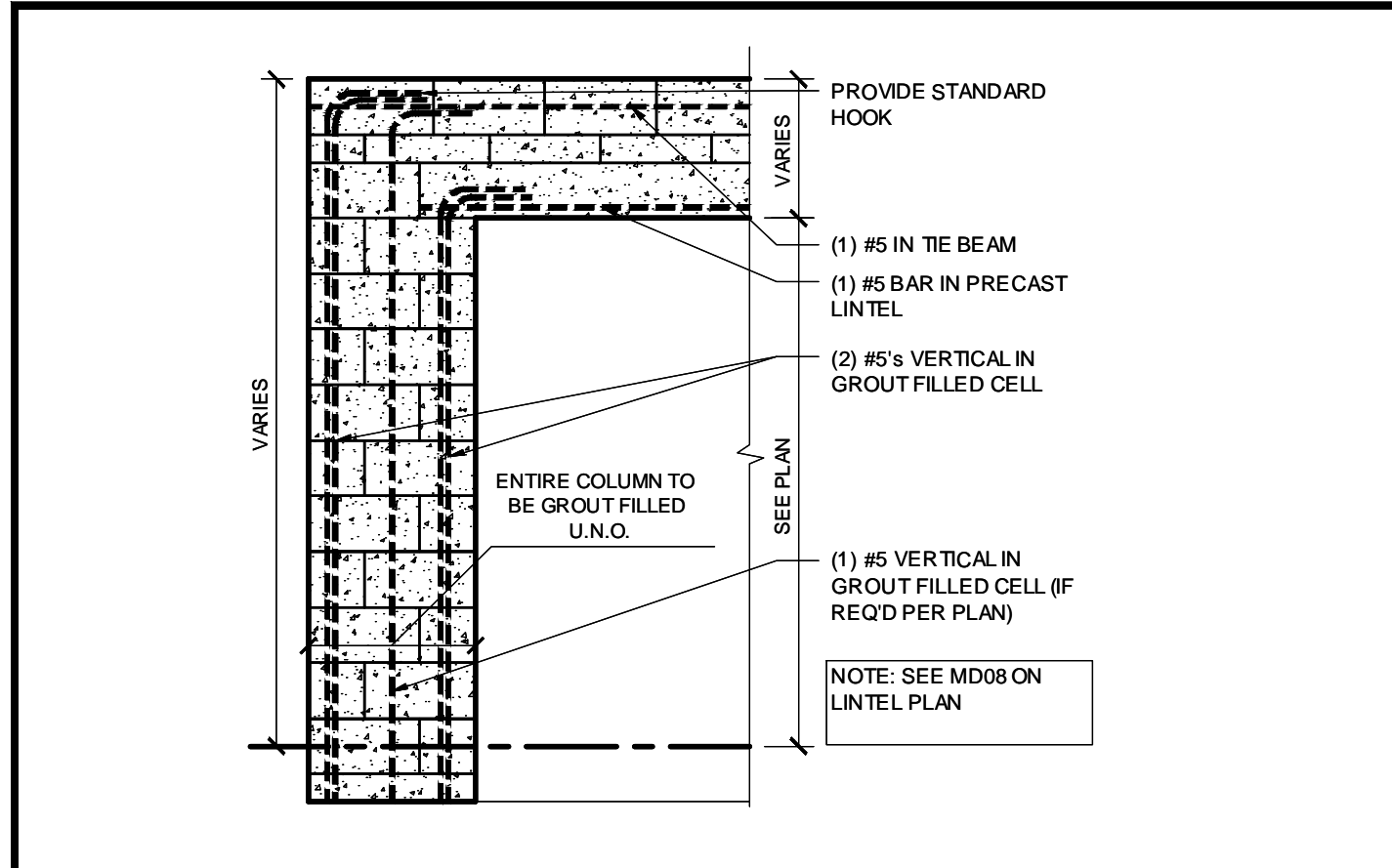
This structure has been designed to withstand the forces generated by 140 m.p.h. winds plus three second gust factor in compliance with section 1609 of 2020 Florida Building Code Residential, Revisions and Supplements.



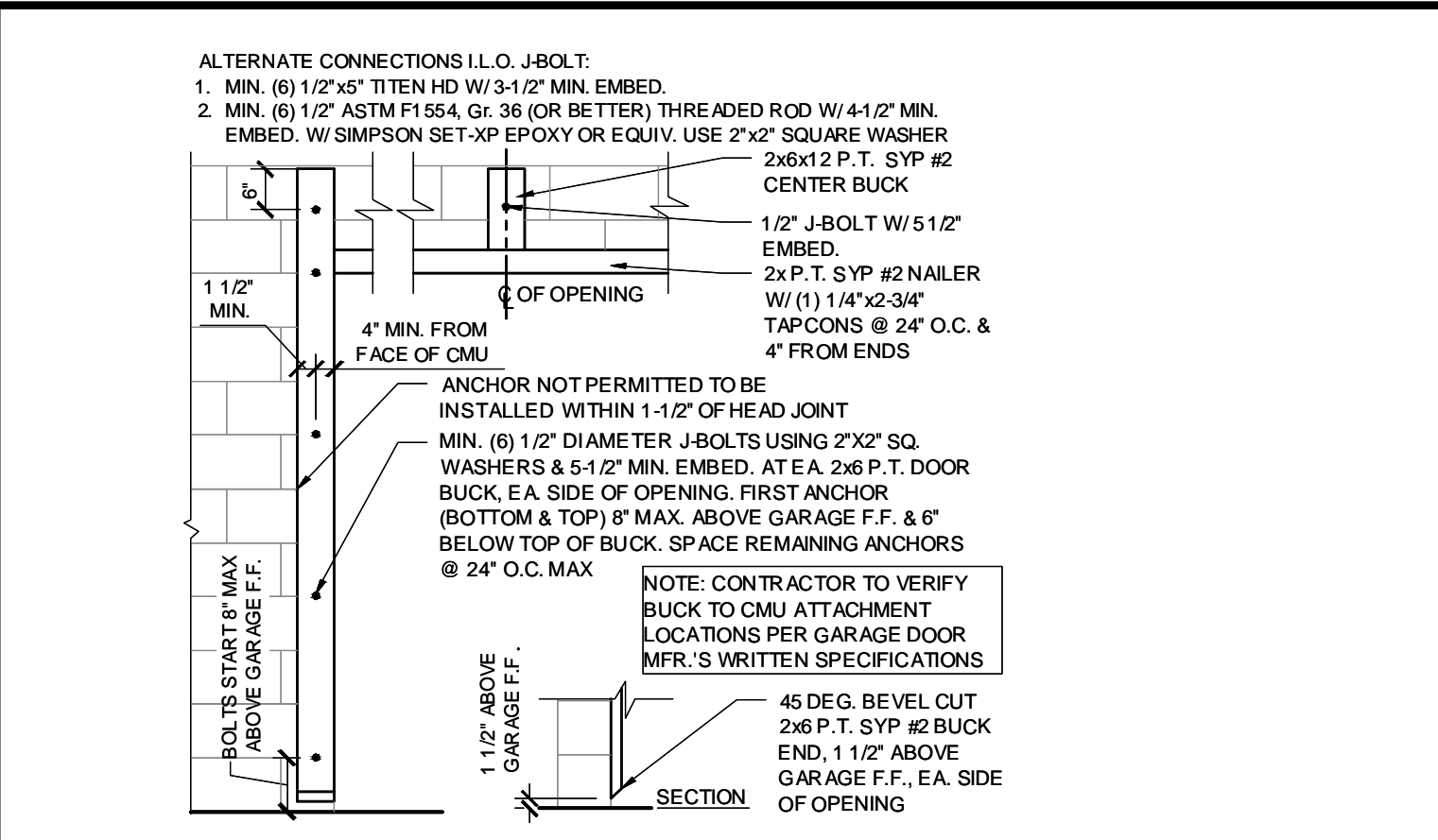
This item has been digitally signed and sealed by Justin Solitro, PE, on the date shown on the electronic signature. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

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DATE: 04/14/2023	CHECKED BY: JS
JOB. #: 230414	SCALE: AS NOTED

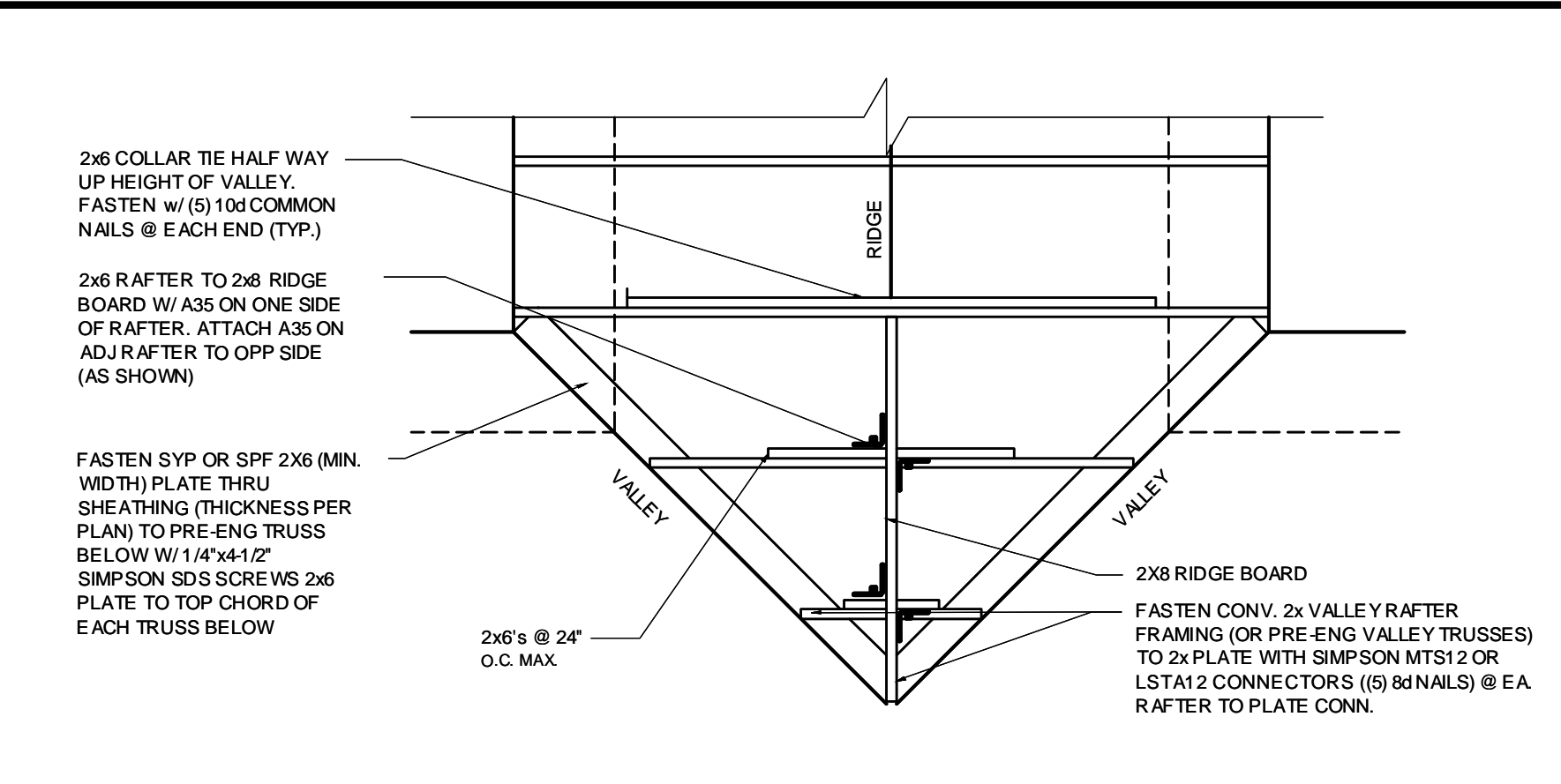
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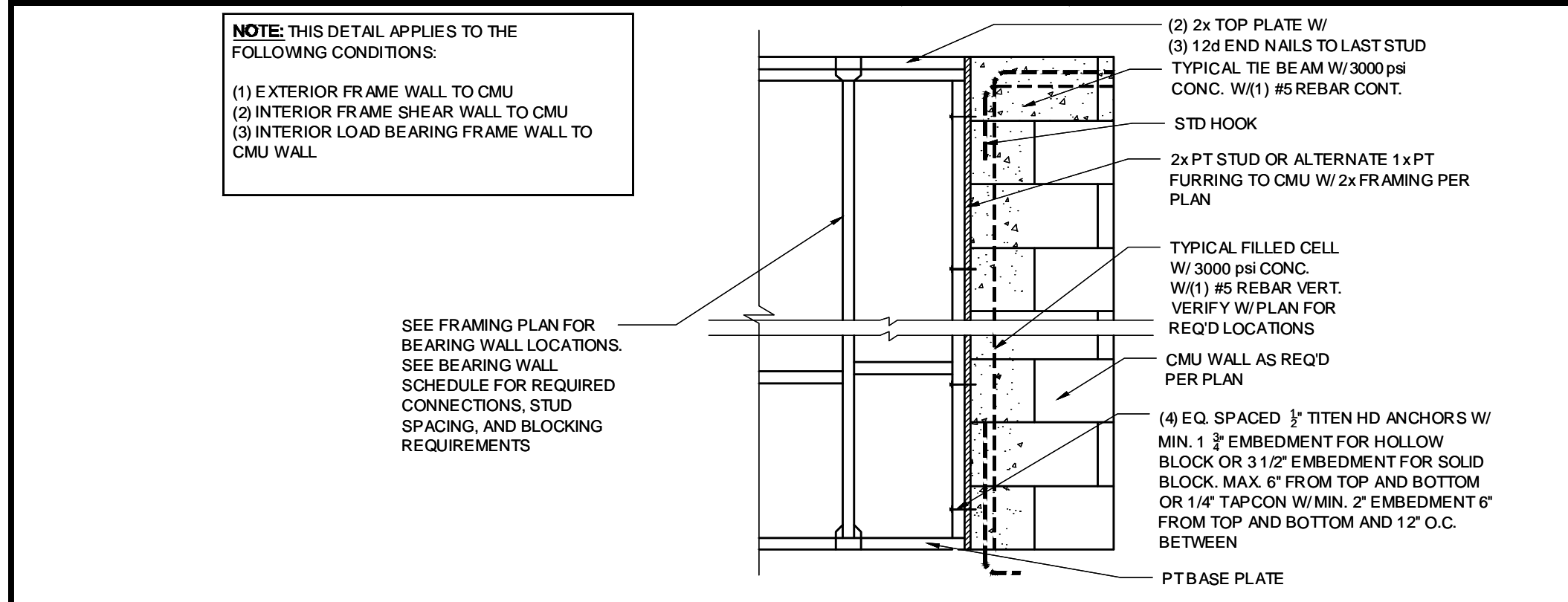
VERT. REINFORCEMENT DETAIL MD01



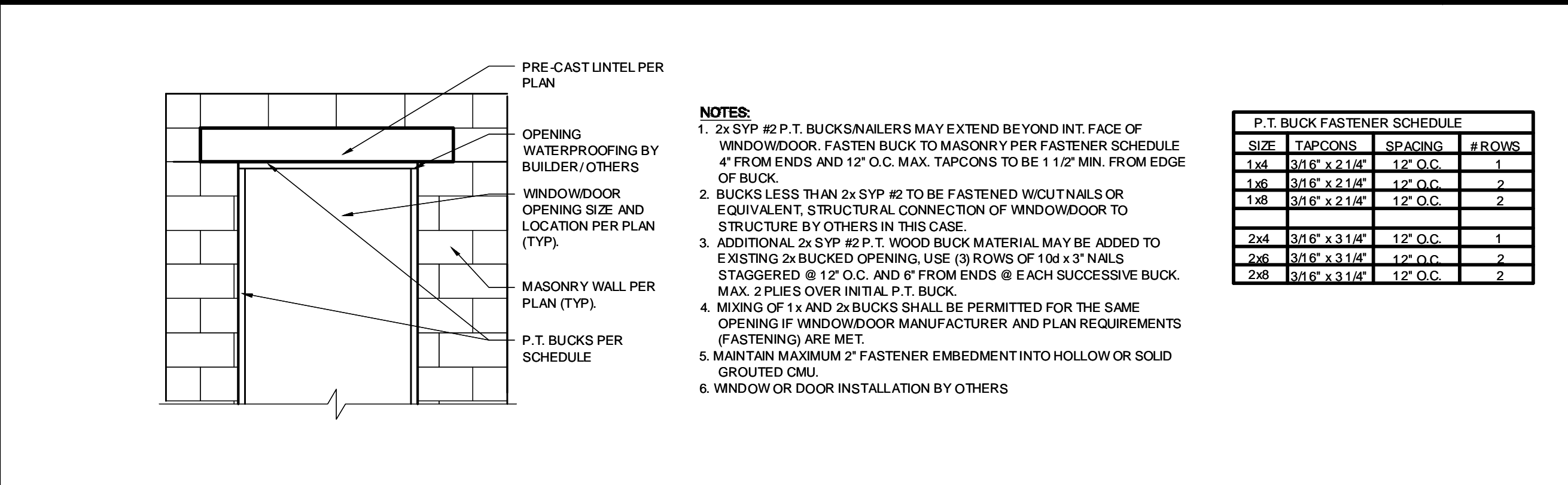
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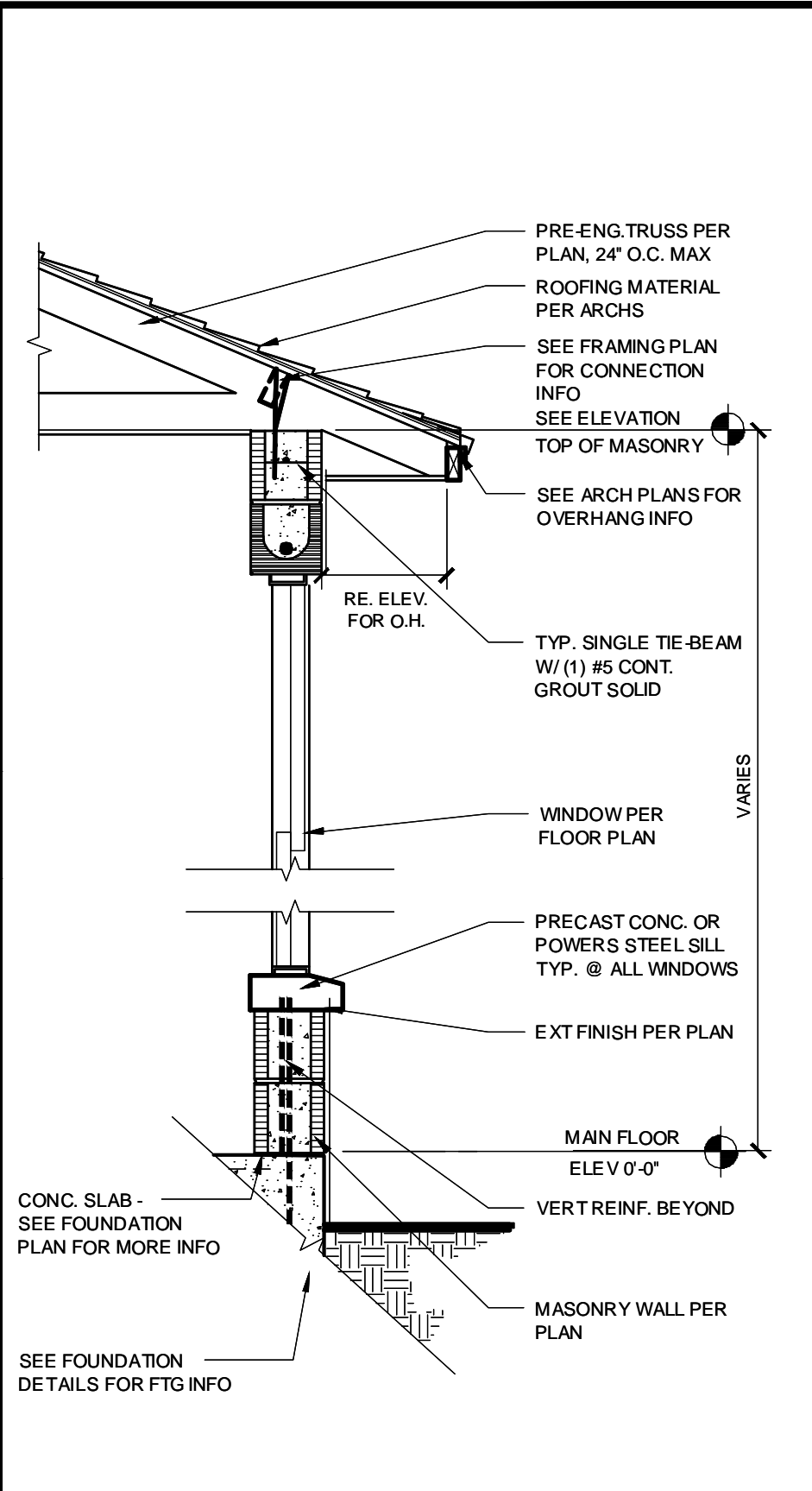
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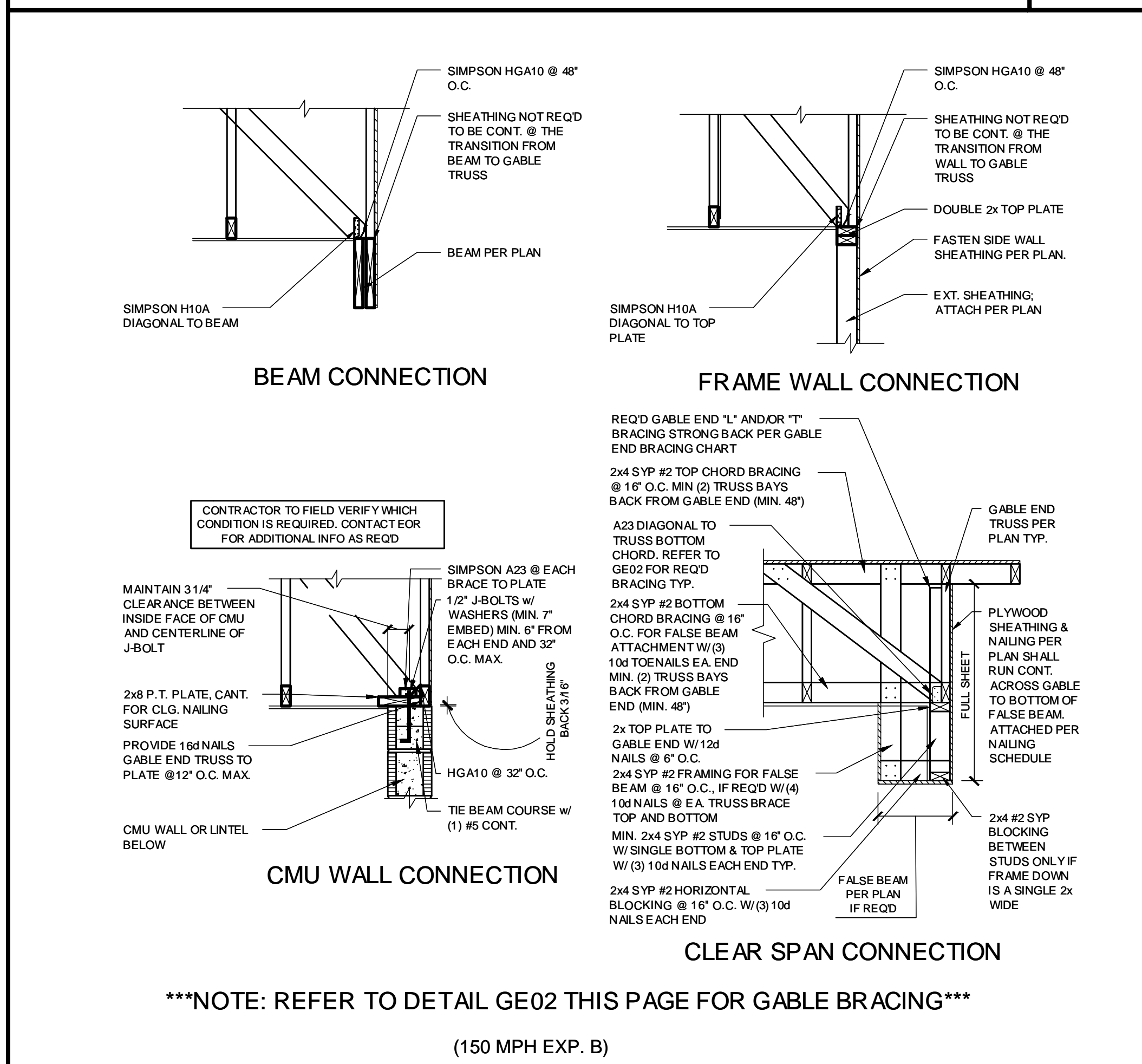
BEARING/SHEARWALL CONNECTION DETAIL MD03



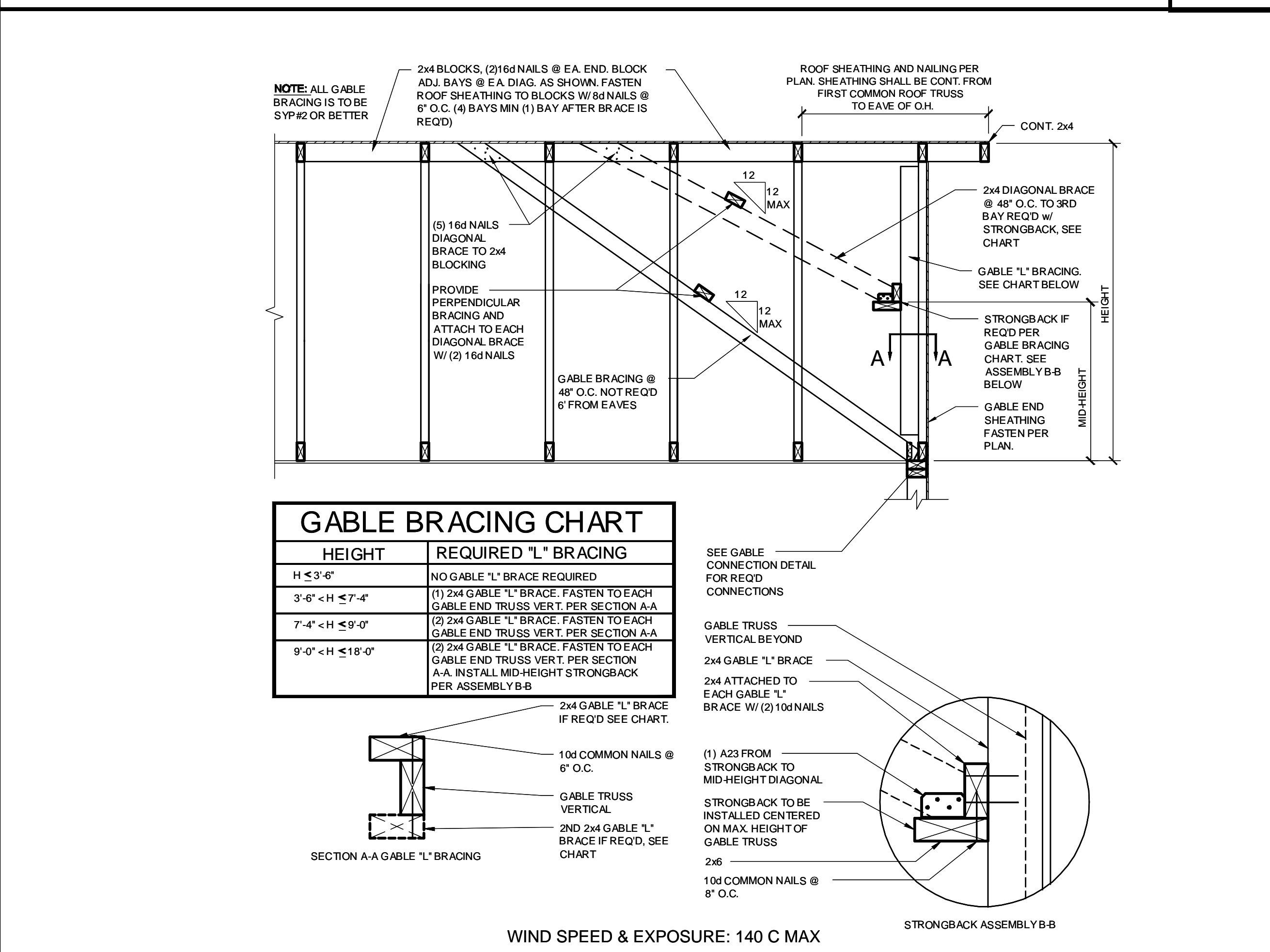
2x BUCK DETAIL MD04



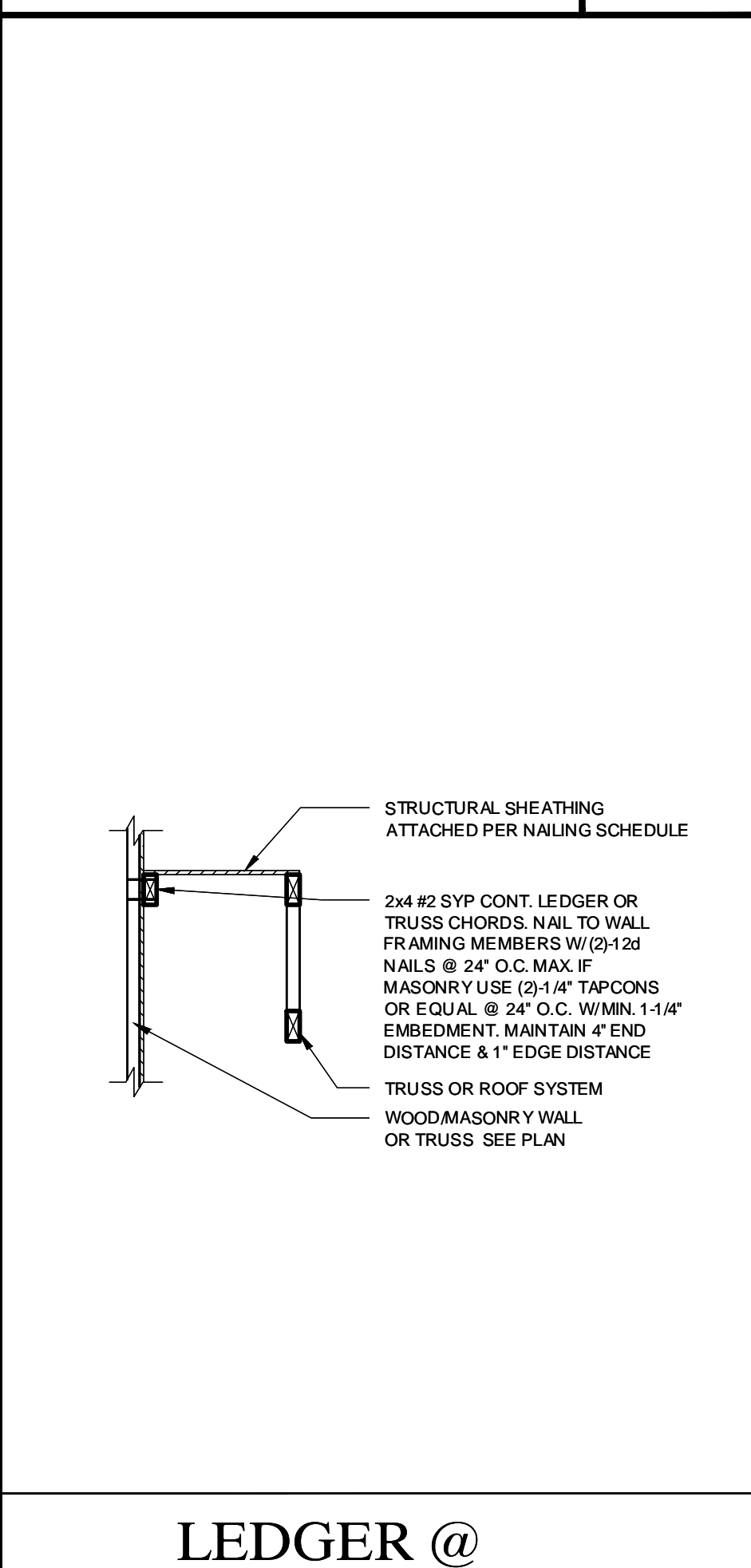
TYP. 1-STORY CMU SECTION WS01



GABLE END @ FLAT CEILING CONNECTIONS GE01



GABLE END BRACING GE02



LEDGER @ LOW ROOF LD02

REVISIONS	BY

FLA PLANS

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NEW RESIDENCE FOR
AUSTIN & NIKKI TINKLEY
LOT 32 BLK A MEREDITH MANOR NOB HILL
214 NOB HILL CIRCLE
LONGWOOD, FL 32779

This structure has been designed to withstand the forces generated by 140 m.p.h., winds plus three second gust factor in compliance with section 1609 of 2020 Florida Building Code Residential, Revisions and Supplements.

JUSTIN S. SOLITRO
No. 81395
STATE OF FLORIDA
PROFESSIONAL ENGINEER

This item has been digitally signed and sealed by Justin Solitro, PE, on the date shown on the electronic signature. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

DRAWN BY: JS	DESIGN BY: JS
DATE: 04/14/2023	CHECKED BY: JS
JOB. #: 230414	SCALE: AS NOTED

WOOD BEARING WALL SCHEDULE						
TAG	STUD SPACING	LUMBER SPECIES	CONNECTION & FASTENERS		UPLIFT CAP. (plf)	BLOCKING
			TOP	BOTTOM		
BW1	16"	SPF	(3)12d TOENAILS	(3)12d TOENAILS	NO UPLIFT	MID-SPAN
BW2	16"	SPF	SP4 W(6) 10d x 1½" NAILS	SP4 W(6) 10d x 1½" NAILS	570 plf	MID-SPAN
BW3	16"	SPF	SP4 W(6) 10d x 1½" NAILS	SP4 W(6) 10d x 1½" NAILS	570 plf	½rd. PT.
BW4	12"	SPF	(3) 12d TOENAILS	(3) 12d TOENAILS	NO UPLIFT	MID-SPAN
BW5	12"	SPF	SP4 W(6) 10d x 1½" NAILS	SP4 W(6) 10d x 1½" NAILS	760 plf	MID-SPAN
BW6	12"	SPF	SP4 W(6) 10d x 1½" NAILS	SP4 W(6) 10d x 1½" NAILS	760 plf	½rd. PT.
BW7	16"	SYP	(3) 12d TOENAILS	(3) 12d TOENAILS	NO UPLIFT	MID-SPAN
BW8	16"	SYP	SP4 W(6) 10d x 1½" NAILS	SP4 W(6) 10d x 1½" NAILS	664 plf	MID-SPAN
BW9	16"	SYP	SP4 W(6) 10d x 1½" NAILS	SP4 W(6) 10d x 1½" NAILS	664 plf	½rd. PT.
BW10	12"	SYP	(3) 12d TOENAILS	(3) 12d TOENAILS	NO UPLIFT	MID-SPAN
BW11	12"	SYP	SP4 W(6) 10d x 1½" NAILS	SP4 W(6) 10d x 1½" NAILS	885 plf	MID-SPAN
BW12	12"	SYP	SP4 W(6) 10d x 1½" NAILS	SP4 W(6) 10d x 1½" NAILS	885 plf	½rd. PT.
BW13	16"	SPF	SP4 W(6) 10d x 1½" NAILS @ 32" O.C.	SP4 W(6) 10d x 1½" NAILS @ 32" O.C.	280 plf	MID-SPAN
BW14	12"	SPF	SP4 W(6) 10d x 1½" NAILS @ 24" O.C.	SP4 W(6) 10d x 1½" NAILS @ 24" O.C.	380 plf	MID-SPAN
STANDARD BEARING WALL W/ STRAPS NOTES						
1. VERIFY w/PLAN FOR WALL SIZE. ASSUME 2x4 STUDS U.N.O. 2. ALL LUMBER TO BE EITHER SPF #2 OR SYP #2 U.N.O. ALWAYS NAIL STUDS TO TOP AND BOTTOM PLATE W/ (3) 12d TOENAILS. 3. CONNECTORS ARE TO BE INSTALLED @ EA. STUD U.N.O. @ 2x6 STUDS, USE SP6 AND @ 2x8 WALLS USE SP8 INSTEAD OF INDICATED SP4. 4. IF BEARING WALL IS NOT CALLED OUT CONTACT E.O.R. 5. IF "BW" CALLED OUT ON 2nd FLR, SEE PLAN FOR STUD TO STUD CONNECTIONS. 6. MID OR ½ PT. BLOCKING TO BE 2x W(2) 12d TOENAILS EACH END. 7. BASE PLATE TO BE ATTACHED TO FOOTING USING ½" J-BOLTS OR EPOXY ANCHOR @ 7" FROM EA. END OF BASE PLATE & WALL OPENINGS & AT 32" o.c. w/ 7" MIN. EMBEDMENT. 8. NO ADDITIONAL BASE CONNECTIONS TO THE FOUNDATION ARE REQ'D. IF BRG. WALL IS INDICATED W/BW1, BW4, BW7 OR BW10, THESE WALLS ARE ONLY SUPPORTING THE FLOOR LOAD AND DO NOT HAVE UPLIFT. THE STUDS ARE TO BE TONALEDDENAILED TO THE PLATES & THE 2x P.T. BASE PLATE CAN BE ATTACHED INWARD CAGED GUN NAILS AND WILL NOT REQ. THE ANCHOR BOLT ATTACHMENT INDICATED IN THE BEARING WALL NOTES. 9. FOR BEARING WALL TO MASONRY CONNECTION SEE DETAIL MD03/SD1 U.N.O. ON PLAN. 10. AT HEADER LOCATIONS WITHIN BEARING WALLS SEE DETAIL WF09/SD3 U.N.O. ON PLAN. 11. COLUMNS WITHIN BEARING WALLS w/UPLIFT THAT DO NOT SHOW A BASE CONNECTION: CONTRACTOR TO INSTALL SP4/ SP6/ SP8 AT EACH STUD TOP/BOTTOM AND HAVE A J-BOLT OR EPOXY ANCHOR WITHIN 6" FROM THE COLUMN. 12. IF PLUMBING IS TO BE RUN THROUGH BEARING WALL, CONTACT E.O.R. FOR FURTHER REVIEW. 13. AT NON-BEARING WALL LOCATIONS 2x4 SPF#2 STUDS @ 24"o.c. MAX. ARE ADEQUATE. AT NON-BEARING HEADERS USE (2)2x4 FLAT w/(3)12d TOENAILS EA. SIDE AND CRIPPLES AT 24"o.c. AT 2-STORY OPEN ARE AS INSTAL. NON-BEARING WALL STUDS @16"o.c. A SINGLE BASE PLATE (P.T. IF AGAINST CONCRETE) AND SINGLE TOP PLATE ARE ADEQUATE LEAVE A 1 ½" GAP FROM TRUSS TO TOP PLATE AND ATTACH USING EITHER (2)12d TOENAILS OR SIMPSON DTC CLIP. ATTACH BASE PLATE WEITHER GUN NAILS @32"o.c. OR (2)12d NAILS TO EACH FLOOR TRUSS. 14. IF QUICKTIE CABLES ARE SPECIFIED TO BE INSTALLED WITHIN ANY BEARING WALL INDICATED ON THE ABOVE BEARING WOOD WALL SCHEDULE, NO SP4S ARE REQUIRED.						

COLUMN SCHEDULE	
A	(2)2x4 SPF #2 BUILT UP STUD COLUMN
B	(3)2x4 SPF #2 BUILT UP STUD COLUMN
C	(4)2x4 SPF #2 BUILT UP STUD COLUMN
D	(2)2x6 SPF #2 BUILT UP STUD COLUMN
E	(3)2x6 SPF #2 BUILT UP STUD COLUMN
F	(2)2x8 SPF #2 BUILT UP STUD COLUMN
G	(3)2x8 SPF #2 BUILT UP STUD COLUMN
H	(3)2x4 SYP #2 BUILT UP STUD COLUMN
J	(2)2x6 SYP #2 BUILT UP STUD COLUMN
K	(2)2x8 SYP #2 BUILT UP STUD COLUMN
L	4x4 SYP #2 POST
M	6x6 SYP #2 POST
N	8x8 SYP #2 POST
P	3-1/2"x3-1/2" ENGINEERED LUMBER COLUMN PER STRUCTURAL COVER NOTES.
Q	3-1/2"x5-1/4" ENGINEERED LUMBER COLUMN PER STRUCTURAL COVER NOTES.
R	3-1/2"x7" ENGINEERED LUMBER COLUMN PER STRUCTURAL COVER NOTES.
S	3-1/2"x9-1/2" ENGINEERED LUMBER COLUMN PER STRUCTURAL COVER NOTES.
T	5-1/4"x5-1/4" ENGINEERED LUMBER COLUMN PER STRUCTURAL COVER NOTES.
V	5-1/4"x7" ENGINEERED LUMBER COLUMN PER STRUCTURAL COVER NOTES.
X	7"x7" ENGINEERED LUMBER COLUMN PER STRUCTURAL COVER NOTES.
Y	3-1/2" X 11 7/8" ENGINEERED LUMBER COLUMN PER STRUCTURAL COVER NOTES
Z	5-1/4" X 9-1/2" ENGINEERED LUMBER COLUMN PER STRUCTURAL COVER NOTES
STANDARD COLUMN NOTES	
1. NAIL ALL BUILT-UP STUDS PER DTL. WF08/SD2. 2. ALL POST/ LVL COLUMNS IN EXTERIOR CONDITION SHOULD BE P.T. OR VOLUMANIZED. 3. CONTRACTOR TO USE ABU BASE CONNECTORS @ SYP SOLD POSTS. AT EXTERIOR CONDITIONS 4x4: ABU44 w/(2)16d NAILS & 5/8" EPOXY ANCHOR w/MIN. 7" EMBEDMENT 6x6: ABU66 w/(2)16d NAILS & 5/8" EPOXY ANCHOR w/MIN. 7" EMBEDMENT 8x8: ABU88 w/(19)16d NAILS & (2)5/8" EPOXY ANCHORS w/ MIN. 7" EMBEDMENT 4. POST/LVL INSTALLED WITHIN BRG. WALL TO BE WITHIN TOP AND BASE PLATE U.N.O. ON PLANS. 5. SEE STRUCTURAL COVER SHEET FOR LVL SPECIFICATIONS.	

STANDARD NAIL SCHEDULE		
STANDARD	NAIL	GENERAL DIAMETER/ LENGTH
	8d	.131" x 2½"
	10d	.148" x 3"
	12d	.148" x 3½"
	16d	.162" x 3½"
	8d RING SHANK	.113" x 2⅝"
NAILING NOTES		
1. CONTRACTOR MAY USE A DIFFERENT NAIL THEN INDICATED AS LONG AS IT MEETS OR EXCEEDS THE DIAMETER AND LENGTH INDICATED. 2. CONNECTORS MAY USE DIFFERENT NAIL LENGTHS. MINIMUM NAIL LENGTH PER CONNECTOR IS REQ. IF LONGER NAIL IS USED IT IS ADEQUATE AS LONG AS IT DOES NOT EXTEND THRU THE MEMBER IT'S BEING ATTACHED TO.		

CONNECTOR SCHEDULE				
TAG	SIMPSON CONNECTOR	TYPE	VALUES SPF(lb)	VALUES SYP(lb)
1	HETA16 w(9) 10dX1-1/2" NAILS OR HETA20 w(9) 10dX1-1/2" NAILS. AT PARALLEL TRUSS CONDITIONS USE LTA2 w(10) 10dX1-1/2" NAILS @ 24" O.C. U.N.O.	FRAME TO CMU	1810	1810
2	(2)HETA16 OR (2)HETA20 (1)ply TRUSS (10)10d x 1½" NAILS (2)ply TRUSS (12) 16d x 1½" NAILS	FRAME TO CMU	(1)ply 1920 (2)ply 2365	(1)ply 1920 (2)ply 2365
3	H10A w(18)10d x 1-1/2" NAILS OR (2)ply TRUSS H10A-2 w(18) 10d x 1-1/2" NAILS	FRAME TO FRAME	H10A 1015 H10A-2 1070	H10A 1340 H10A-2 1245
4	HTS20 w(24)10d x 1-1/2" NAILS (AT EXT LOCATIONS INCLUDE (3)12d TOENAILS)	FRAME TO FRAME	1245	1450
5	(2)HTS20 w(24)10d x 1-1/2" NAILS (AT EXT LOCATIONS INCLUDE (3)12d TOENAILS)	FRAME TO FRAME	2490	2900
6	H2.5A w(10)8d	FRAME TO FRAME	535	600
7	MTS12 w(14)10d x 1-1/2" NAILS (AT EXT LOCATIONS INCLUDE (3)12d TOENAILS)	FRAME TO FRAME	860	1000
8	MGT w(18)16d x 2-1/2" NAILS & (1) 5/8" EPOXY ANCHOR w/ SIMPSON SET-XP EPOXY MIN. 12" EMBEDMENT	FRAME TO CMU	3330	3965
9	HTT4 w(18)16d x 2-1/2" NAILS & (1) 5/8" EPOXY ANCHOR w/SIMPSON SET-XP EPOXY MIN. 7" EMBEDMENT	FRAME TO CMU	3640	4235
10	HGT-2 w(16)10d NAILS w/ (2) 3/4" EPOXY ANCHOR w/ SIMPSON SET-XP EPOXY MIN. 12" EMBEDMENT	FRAME TO CMU	10980	8910
11	HTSM16 w(8)10d NAILS & (4) 1/4"x 2-1/4" TAPCONS	FRAME TO CMU	1010	1175
12	LSTA18 w(14)10d NAILS	HEADER TO STUDS	1110	1235
13	(2)LSTA18 w(14)10d NAILS	HEADER TO STUDS	2220	2470
14	LSTA18 w(14)10d NAILS CENTERED EACH STUD	STUDS TO BEAM/GT	833plf	928plf
15	LSTA24 w(18)10d NAILS CENTERED EACH STUD	STUDS TO BEAM/GT	1235	1235
16	MSTC28 w(36)16d SINKERS CENTERED	STUDS TO BEAM/GT	2980	3455
17	MSTC40 w(52) 16d SINKERS CENTERED	STUDS TO BEAM/GT	4305	4745
18	LTT20B w(10) 10d NAILS & 5/8" EPOXY ANCHOR w/ SIMPSON SET-XP EPOXY MIN. 7" EMBEDMENT	COLUMN TO FTG.	1290	1300
19	HTT4 w(18) 16d x 2-1/2" NAILS w/ 5/8" EPOXY ANCHOR w/ SIMPSON SET-XP EPOXY MIN. 7" EMBED. AT LVL/PSL COLUMNS USE (18) #10 x 1-1/2" SDS SCREWS INSTEAD OF NAILS.	COLUMN TO FTG.	3640	4235
20	(3)HTS20 w(24)10d x 1-1/2" NAILS (AT EXT LOCATIONS INCLUDE (3)12d TOENAILS)	FRAME TO FRAME	3735	4350
21	MSTM40 W/ (14) 16d SINKERS AND (10) 1/4"x2-1/4" TITENS	FRAME TO CMU	2420	2800
22	SIMPSON HGUS 5.50x10 W/ (6) 3/8" 16d NAILS	GIRDER TO COL./ BEAM	9100	4095
23	SIMPSON DTC W/ (4) 8d NAILS TO DOUBLE TOP PLATE & (2) 8d NAILS TO TRUSS. TRUSS TO BEAR ON TOP OF DOUBLE TOP PLATE	FRAME TO FRAME	N/A	N/A

STANDARD CONNECTOR NOTES	
1. ALL TRUSS/BEAM TO MASONRY CONNECTIONS TO BE SIMP. HETA16, U.N.O. ON PLAN. AT FLOOR TRUSSES PARALLEL TO MASONRY WALLS CONNECT w/SIMP. HETA16 @ 24"o.c. OR 32"o.c. VERIFY W/ TRUSS SHOP DRAWINGS FOR VERTICAL SPACING WITHIN FLOOR TRUSS. (IF SITTING ON FRAME WALL USE SIMP. LSTA18(14) @ 24"o.c. OR 32"o.c.) CONNECT ALL CONTINUOUS RIM BOARDS TO TOP OF MASONRY W/SIMP. LTA2, @ 32"o.c. MAX. AND AT EACH CORNER. 2. ALL TRUSS/BEAM TO FRAME CONNECTIONS TO BE SIMP. H10A FOR SINGLE PLY, OR H10A-2 FOR 2-PLY U.N.O. ON PLAN 3. CONNECT ALL TYPICAL HIP JACKS (CORNER JACKS) TO FRAME USING SIMP. H2.5A CONNECTOR. IF UPLIFT EXCEEDS 55lbs USE (2) H2.5A CONNECTORS. 4. ATTACH GABLE TRUSS TO CANTILEVERED BEAM AT PORCHES USING (2) H2.5A U.N.O. SEE GE01 FOR ADDITIONAL INFORMATION. 5. CONNECT ALL INTERIOR FLOOR TRUSSES/JOISTS TO INTERIOR BRG. WALLS USING (3)12d TOENAILS. 6. ALL TRUSS TO TRUSS CONNECTIONS TO BE SPECIFIED BY TRUSS MANUFACTURER, U.N.O. ON PLAN. 7. MISSED TIE-BEAM STRAPS: AT EACH MISSED HETA16 OR DOUBLE META16 STRAP LOCATION CONTRACTOR TO INSTALL: (1) SIMPSON HTSM16 FOR TRUSSES WITH 1175 LBS UPLIFT OR LESS. (2) SIMPSON HTSM16 (INSTALLED ON OPPOSITE FACES OF THE CMU) FOR TRUSSES WITH 1900 LBS UPLIFT OR LESS. IF MORE THAN (3) TRUSSES IN A ROW HAVE A MISSED META16 CONTACT E.O.R. FOR FURTHER REVIEW.	

STANDARD HEADER NOTES	
1. VERIFY w/PLAN FOR CORRECT LENGTH OF HEADER REQ'D. SIZE INDICATED ON PLAN IS MINIMUM REQ'D. PER LOCATION. LARGER HEADER MAY BE INSTALLED w/OUT APPROVAL FROM E.O.R. 2. ALL HEADER JACKS/KINGS TO MATCH WALL LUMBER GRADE U.N.O. ON PLAN. ATTACH STUDS TOGETHER FOLLOWING DTL. WF08/SD3. 3. NAIL #2 SYP HEADER PLIES TOGETHER USING: (2) ROWS OF 10d NAILS @12" O.C. ONE SIDE. MIN. 2" FROM TOP AND BOTTOM FOR 2X6 AND 2X8 HEADERS. (3) ROWS OF 10d NAILS @12" O.C. ONE SIDE. MIN. 2" FROM TOP AND BOTTOM FOR 2X10 AND 2X12 HEADERS. NAILING ABOVE IS FOR TOP-LOADED HEADERS ONLY. CONTACT E.O.R. IF MEMBERS BUCKET INTO HEADER 4. NAIL KING STUDS TO HEADER w/(3) 10d TOENAILS PER SIDE IN ADDITION TO NAILING PER HEADER SCHEDULE. 5. IF MORE THAN (1)KING IS REQ'D. AS PER HEADER SUPPORT TABLE, GC TO INSTALL REQ'D. NAILS FROM 1st KING INTO HEADER THEN ATTACH ADDITL KING PER DTL. WF08/SD2. OTHERWISE, CONTACT E.O.R. FOR REQ'D. WOOD SCREWS. 6. IF HEADER IS NOT SPECIFIED CONTACT E.O.R. 7. SEE STRUCTURAL COVER SHEET FOR LVL SPECIFICATIONS. 8. SEE DTL. WF09/SD2 FOR 1ST FLOOR HEADER CONSTRUCTION AND CONNECTIONS AT 2 STORY CONDITIONS. SEE 2ND FLOOR NOTES FOR MORE INFO. 9. FOR BEARING OR EXTERIOR WALLS THAT REQUIRE 2x6 OR 2x8 STUDS, FRAMER TO INSTALL ADDITIONAL HEADER PLY AND FLUTCH PLATE AS REQUIRED TO FILL OUT THE WALL. USE (2) ROWS OF 16d NAILS AT 12" O.C. EACH SIDE TO NAIL HEADER TOGETHER. 10. AFP 1.6E SHORTSPAN HEADERS SHALL HAVE THE FOLLOWING MINIMUM SPECIFICATIONS: E = 1600000 psi, FB = 1500 psi, FV = 175 psi, FC-PERP = 650 psi. 11. WHERE SYP #2 BUILT-UP HEADERS ARE SPECIFIED ON THE PLANS, AFP 1.6E SHORTSPAN HEADERS OF THE SAME SIZE MAY BE SUBSTITUTED. 12. AFP 1.6 SHORTSPAN HEADERS MAY NOT BE USED WHERE BUILT-UP LVL HEADERS ARE SPECIFIED ON THE PLANS.	

BEAM SCHEDULE			
TAG	BEAM SIZE	CONNECTIONS	
B2x8	(2)2x8 #2 SYP WITH 1/2" FLUTCH PLATE	TO POST: SIMP. HTS20 OR LSTA18 TO BEAM: SIMP. HUC48 w(14)16d & (6)-10d NAILS TO MASONRY: SIMP. HU48 OR HUC48 w/(6)10d NAILS & (14)½"x2½" TAPCONS ON MASONRY: (1) SIMP. MSTAM24	
B2x10	(2)2x10 #2 SYP WITH 1/2" FLUTCH PLATE	TO POST: SIMP. HTS20 OR LSTA18 TO BEAM: SIMP. HUC40 w/(18)16d & (10) 10d NAILS TO MASONRY: SIMP. HU410 OR HUC410 w/(10)10d NAILS & (18)½"x2½" TAPCONS ON MASONRY: (2) SIMP. MSTAM24	
B2x12	(2)2x12 #2 SYP WITH 1/2" FLUTCH PLATE	TO POST: SIMP. HTS20 OR LSTA18 TO BEAM: SIMP. HUC40 w/(18)16d & (10) 10d NAILS TO MASONRY: SIMP. HU410 OR HUC410 w/(10)10d NAILS & (18)½"x2½" TAPCONS ON MASONRY: (2) SIMP. MSTAM24	
B3.5x11.25	(2)1.75"x11.25" LVL	TO POST: SIMP. HTS20 OR LSTA18 TO BEAM: SIMP. HUC410 w/(18)16d & (10) 10d NAILS TO MASONRY: SIMP. HU410 OR HUC410 w/(10)10d NAILS & (18)½"x2½" TAPCONS ON MASONRY: (2) SIMP. MSTAM24	
B3.5x11.875	(2)1.75"x11.875" LVL	TO POST: SIMP. HTS20 OR LSTA18 TO BEAM: SIMP. HUC410 w/(18)16d & (10) 10d NAILS TO MASONRY: SIMP. HU410 OR HUC410 w/(10)10d NAILS & (18)½"x2½" TAPCONS ON MASONRY: (2) SIMP. MSTAM24	
B3.5x16	(2) 1.75"x16" LVL	TO POST: SIMP. HTS20 OR LSTA18 TO BEAM: SIMP. HUC410 w/(18)16d & (10) 10d NAILS TO MASONRY: SIMP. HU410 OR HUC410 w/(10)10d NAILS & (18)½"x2½" TAPCONS ON MASONRY: (2) SIMP. MSTAM24	
B5.25x16	(3) 1.75"x16" LVL	TO POST: (2) SIMP. HTS20 OR LSTA18 ON MASONRY: (2) SIMP. MSTAM24 * U.N.O.FASTEN LVL PLIES TOGETHER USING (3) ROWS OF 1/4" X 3-1/2" SDS SCREWS @ 24" O.C. EACH SIDE	
B3.5x20	(2) 1.75"x20" LVL	TO POST: (2) SIMP. HTS20 OR LSTA18 ON MASONRY: (2) SIMP. MSTAM24 * U.N.O.FASTEN LVL PLIES TOGETHER USING (4) ROWS OF 1/4" X 3-1/2" SDS SCREWS @ 24" O.C. EACH SIDE	

STANDARD BEAM NOTES			
1. NAIL ALL (2) 2x SYP BEAMS TOGETHER USING (3) ROWS OF 12d NAILS @ 12" O.C. (TYP. ONE SIDE) MIN. 2" FROM TOP AND BOTTOM OF BEAM 2. NAIL ALL 2-PLY LVL BEAMS (MAX. 12" DEEP) TOGETHER USING (3) ROWS OF 12d NAILS @ 6" O.C. (TYP. ONE SIDE) MIN 2" FROM TOP AND BOTTOM OF BEAM 3. VERIFY w/PLAN CORRECT LENGTH OF BEAM REQ'D. (MIN. 4" BRG. EA END) 4. SEE PLAN FOR TOP OR BOTTOM OF BEAM INDICATIONS. 5. BEAMS ARE NOT TO BE DRILLED OR NOTCHED IN ANY WAY WITHOUT WRITTEN APPROVAL FROM THE E.O.R. 6. SEE STRUCTURAL COVER SHEET FOR LVL SPECIFICATIONS			

HEADER SCHEDULE		
TAG	HEADER	FASTENERS
H2x6	(2)2x6 #2 SYP w/½" FLUTCH PLATE	ATTACH KING STUD TO HEADER w(6) 16d NAILS
H2x8	(2)2x8 #2 SYP w/½" FLUTCH PLATE	ATTACH KING STUD TO HEADER w(8) 16d NAILS
H2x10	(2)2x10 #2 SYP w/½" FLUTCH PLATE	ATTACH KING STUD TO HEADER w/(10) 16d NAILS
H2x12	(2)2x12 #2 SYP w/½" FLUTCH PLATE	ATTACH KING STUD TO HEADER w/(10) 16d NAILS
H3.5x5.5	(2)1.75"x5.5" LVL	ATTACH KING STUD TO HEADER w(6) 16d NAILS
H3.5x7.25	(2)1.75"x7.25" LVL	ATTACH KING STUD TO HEADER w(8) 16d NAILS
H3.5x9.25	(2)1.75"x9.25" LVL	ATTACH KING STUD TO HEADER w/(10) 16d NAILS
H5.5x11.25	(3)1.75"x11.25" LVL	ATTACH KING STUD TO HEADER w/(12) 16d NAILS
H3x12	(3) 2x12 #2 SYP w/ ½" FLUTCH PLATE BETWEEN PLIES	ATTACH KING STUD TO HEADER w/(10) 16d NAILS
HEADER SUPPORT SCHEDULE		
OPENING SIZE	SEE PLAN FOR WALL WIDTH JACKS @ EA. END	
1'-0" TO 3'-11"	1	1
4'-0" TO 7'-11"	2	2
8'-0" TO 9'-11"	2	3
10'-0" TO 12'-0"	3	4

ROOF NOTES:	
1. THE ROOF PLAN DEPICTED IS NOT INTENDED TO SERVE AS A TRUSS DESIGN. 2. TOP PLATE HEIGHTS VARY. SEE BUILDING SECTIONS. WALL SECTIONS AND ELEVATIONS FOR BEARING HEIGHTS. 3. TRUSS SPACING SHALL BE 24" O.C. MAX. UNLESS OTHERWISE NOTED. CONVENTIONAL FRAMING SHALL BE 16" O.C. MAX. OR AS OTHERWISE NOTED. 4. FRAME WALLS UP TO UNDERSIDE OF ROOF TRUSSES AT ALL NON-BEARING WALLS AND AT VOLUME ARE A UNLESS NOTED OTHERWISE. STUDS CAN BE 24" O.C. W/ SINGLE TOP AND P.T. BASE PLATE LEAVE MAX. 1-1/2" GAP FROM TOP PLATE TO TRUSS BOTTOM CHORD. 5. ALIGN TRUSSES AND HAND FRAMING SO ALL GYPSPUM WALL BOARD WILL BE CONTINUOUS FROM FLOOR TO CEILING. 6. TRUSS MANUFACTURER TO INSURE DESIGN CONSIDERATION TO THE FOLLOWING ADDITIONAL LOADS: A) ALL CEILING HUNG SOFFITS AND SOFFITS WITH CABINETS AS SHOWN ON PLANS. B) ATTIC LOCATED HVAC UNITS AS SHOWN ON PLANS. 7. REFER TO MANUFACTURER SPECIFICATIONS FOR INSTALLATION REQUIREMENTS OF ALL HARDWARE BEFORE INSTALLATION. 8. IT IS REQUIRED TO BRACE AND BLOCK PER BSCI 1 CURRENT EDITION. IN ADDITION, PROVIDE BRACING AND BLOCKING SHOWN ON PLANS. 9. ALL TRUSS AND TRUSS CONNECTORS ARE TO BE PROVIDED BY TRUSS SUPPLIER. THIS INCLUDES BUT IS NOT LIMITED TO PIGGY BACK TRUSSES AND VALLEY TRUSSES 10. USE 5/8" GYPSPUM BOARD ON CEILING IN GARAGE WHEN LIVING SPACE IS ABOVE THE GARAGE. 11. IF ROOF TRUSS LAYOUT SHOWS TRUSS IDS, THIS LAYOUT HAS BEEN PROVIDED BY A TRUSS COMPANY TO USE FOR THE DESIGN OF THIS PROJECT. OTHERWISE AN ENGINEERED LAYOUT HAS BEEN DETERMINED BUT PRIOR TO CONSTRUCTION OR TRUSS FABRICATION, FINAL TRUSS LAYOUT AND TRUSS SHOP DRAWNS ARE TO BE SUBMITTED TO ENGINEER OF RECORD (E.O.R.) FOR REVIEW AND APPROVAL. AT THIS TIME THE E.O.R. RESERVES THE RIGHT TO REVISE THE PLAN AS REQUIRED PER THE REVIEW OF THE FINAL TRUSS LAYOUT AND TRUSS SHOP DRAWNS. ADDITIONAL FEES MAY APPLY. STARTING CONSTRUCTION OR TRUSS FABRICATION PRIOR TO THIS REVIEW IS NOT ADVISED, AND THE E.O.R. IS NOT RESPONSIBLE FOR ADDITIONAL COSTS DUE TO REVISIONS OF THE PLAN. IF CONVENTIONAL FRAMING IS SHOWN, NO TRUSS APPROVAL IS REQUIRED, UNLESS LAYOUT IS REVISED W/OUT WRITTEN APPROVAL FROM MCD.	
BUILDER NOTE: IF THE TRUSS LAYOUT SHOWN DOES NOT MATCH THE TRUSS MANUFACTURERS LAYOUT ----STOP---- AND CALL THE ENGINEER OF RECORD PRIOR TO PLACEMENT OF ANY TRUSSES	
ROOF & EXT. WALL NAILING SHEATHING NOTES	
ROOFS: ROOF SHEATHING TO BE 7/16" OSB , 15/32" PLYWOOD, OR ZIP BOARD UNLESS SPECIFIED OTHERWISE GABLE ENDS: ALL SHEATHING TO BE MIN. 7/16" O.S.B. BLOCKING SHALL BE PLACED AT ALL SHEATHING JOINTS. EXTERIOR WALLS: ALL EXTERIOR WALLS TO BE 7/16" OSB	
SUBSTITUTION: ZIP BOARD MAY BE USED IN PLACE OF OSB/PLYWOOD FOR ROOF, GABLE, AND EXTERIOR WALLS. NAILS: NAILS USED IN ROOF SHEATHING APPLICATIONS SHALL BE 8d RING SHANK NAILS. ALL OTHER SHEATHING APPLICATIONS SHALL BE 8d/8d RING OR SPIRAL SHANK, HAND OR GUN DRIVEN NAILS. GUN DRIVEN NAILS SHALL HAVE HEAD SIZE EQUIVALENT TO HAND DRIVEN NAILS. FASTENERS FOR PRESERVATIVE-TREATED WOOD SHALL BE HOT-DIPPED ZINC-COATED GALVANIZED STEEL, STAINLESS STEEL, SILICON BRONZE OR COPPER. THE COATING WEIGHTS SHALL BE IN ACCORDANCE WITH ASTM A 153.	

FLOOR FRAMING NOTES	
GENERAL NOTES 1. FLOOR JOIST/TRUSS/HANGERS SUPPLIED & ENGINEERED BY FLOOR JOIST/TRUSS CO. 2. REFER TO TRUSS MANU. DRAWINGS FOR TRUSS DESIGNATIONS. 3. GENERAL FLOORING FINISHES ARE ACCEPTABLE. IF LIGHTWEIGHT CONCRETE OR SELF LEVELING CONCRETE IS REQ. CONTACT E.O.R. ALONG WITH TRUSS CO. TO VERIFY FLOOR TRUSS DESIGN. 4. FLOOR JOIST/ TRUSS MANUFACTURER SHALL COORDINATE LOCATIONS OF ALL MECHANICAL CHASES AND PLUMBING TO AVOID CONFLICT. 5. ALL JOIST TO JOIST OR TRUSS TO TRUSS CONNECTIONS SHALL BE SPECIFIED BY THE MANUFACTURER. 6. G.C.BUILDER SEE ARCHITECTURAL DRAWINGS FOR ROUGH OPENING LOCATIONS AND ADDITIONAL INFORMATION REQ. FOR DOOR AND WINDOW INSTALLATION ALONG WITH DIMENSIONS NOT SHOWN HERE.	
FLOOR SHEATHING NOTES FLOOR SHEATHING TO BE 3/4" PLYWOOD OR OSB (U.N.O), WITH LONG DIMENSION PERPENDICULAR TO SUPPORT FLOOR TRUSSES).	
FLOOR NAILING NOTES NAILS: NAILS USED IN ALL FLOORING APPLICATIONS SHALL BE 8d, 8d RING OR SPIRAL SHANK, HAND OR GUN DRIVEN NAILS. GUN DRIVEN NAILS SHALL HAVE HEAD SIZE EQUIVALENT TO HAND DRIVEN NAILS. SPACING SHALL BE 6" ON EDGES AND 12" IN FIELD.	

REVISIONS	BY

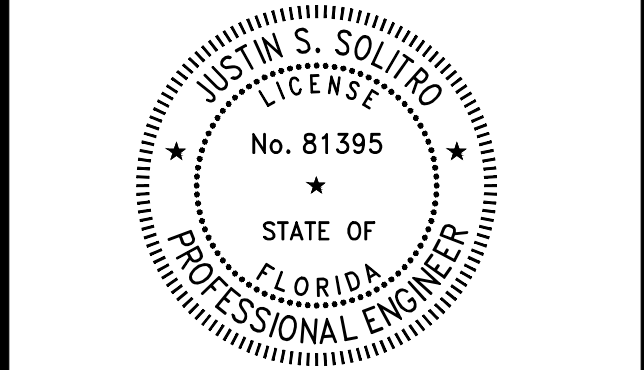


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NEW RESIDENCE FOR
AUSTIN & NIKKI TINKLEY
LOT 32 BLK A MEREDITH MANOR NOB HILL
214 NOB HILL CIRCLE
LONGWOOD, FL 32779

This structure has been designed to withstand the forces generated by 140 m.p.h. winds plus three second gust factor in compliance with section 1609 of 2020 Florida Building Code Residential, Revisions and Supplements.

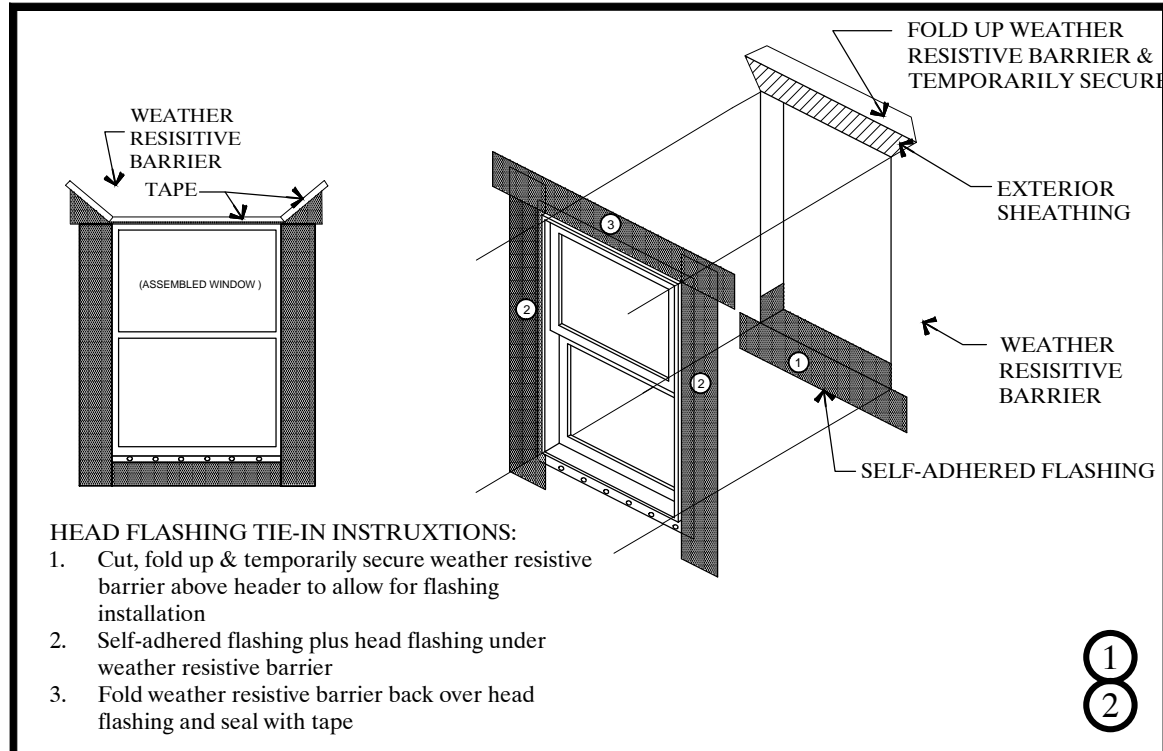


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No. 81395
STATE OF FLORIDA
PROFESSIONAL ENGINEER

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DATE: 04/14/2023	CHECKED BY: JS
JOB.#: 230414	SCALE: AS NOTED

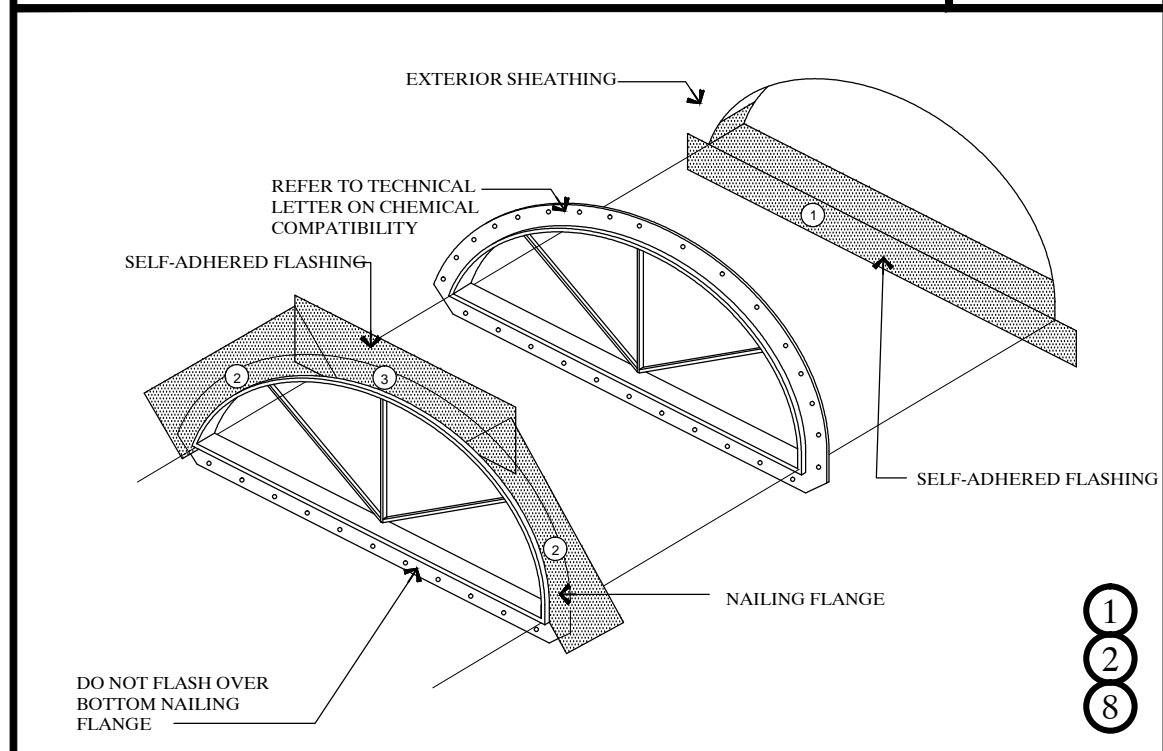
NOTES & CONNECTORS



SELF-ADHERED FLASHING
FLASHING INSTALLATION AFTER WEATHER RESISTIVE BARRIER

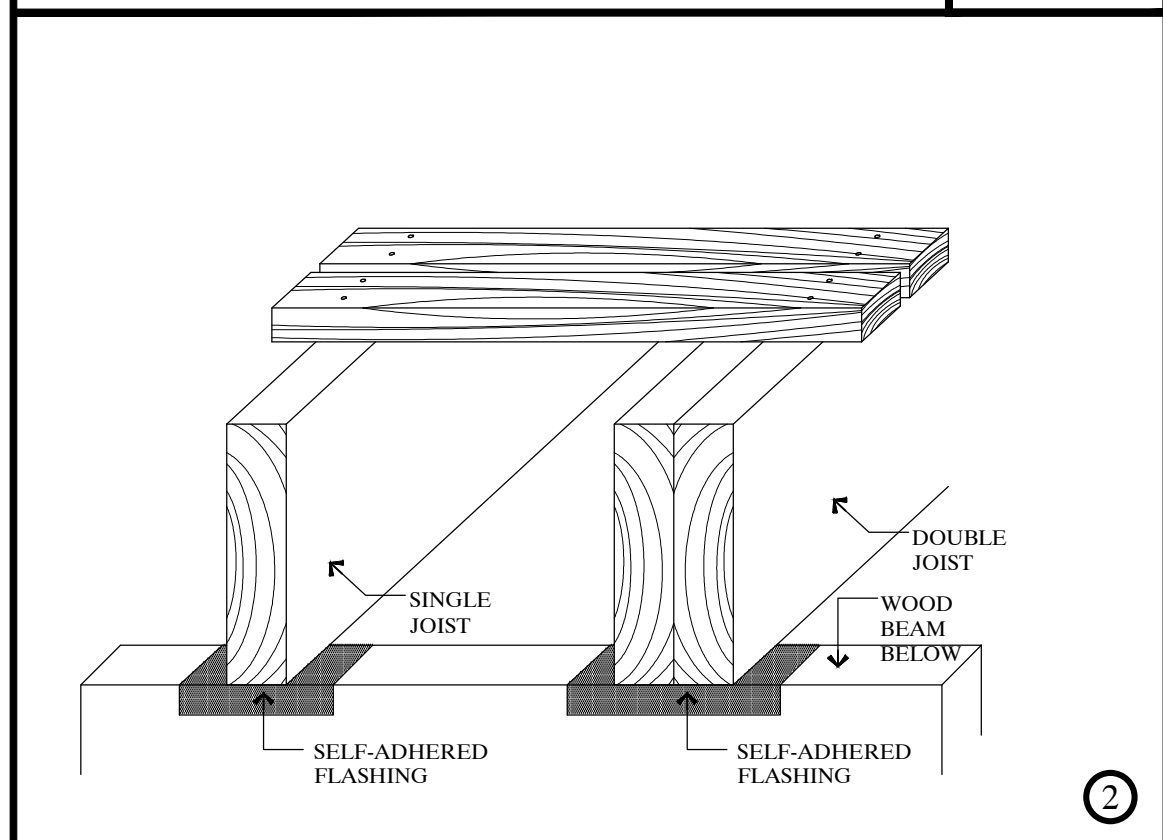
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WP01



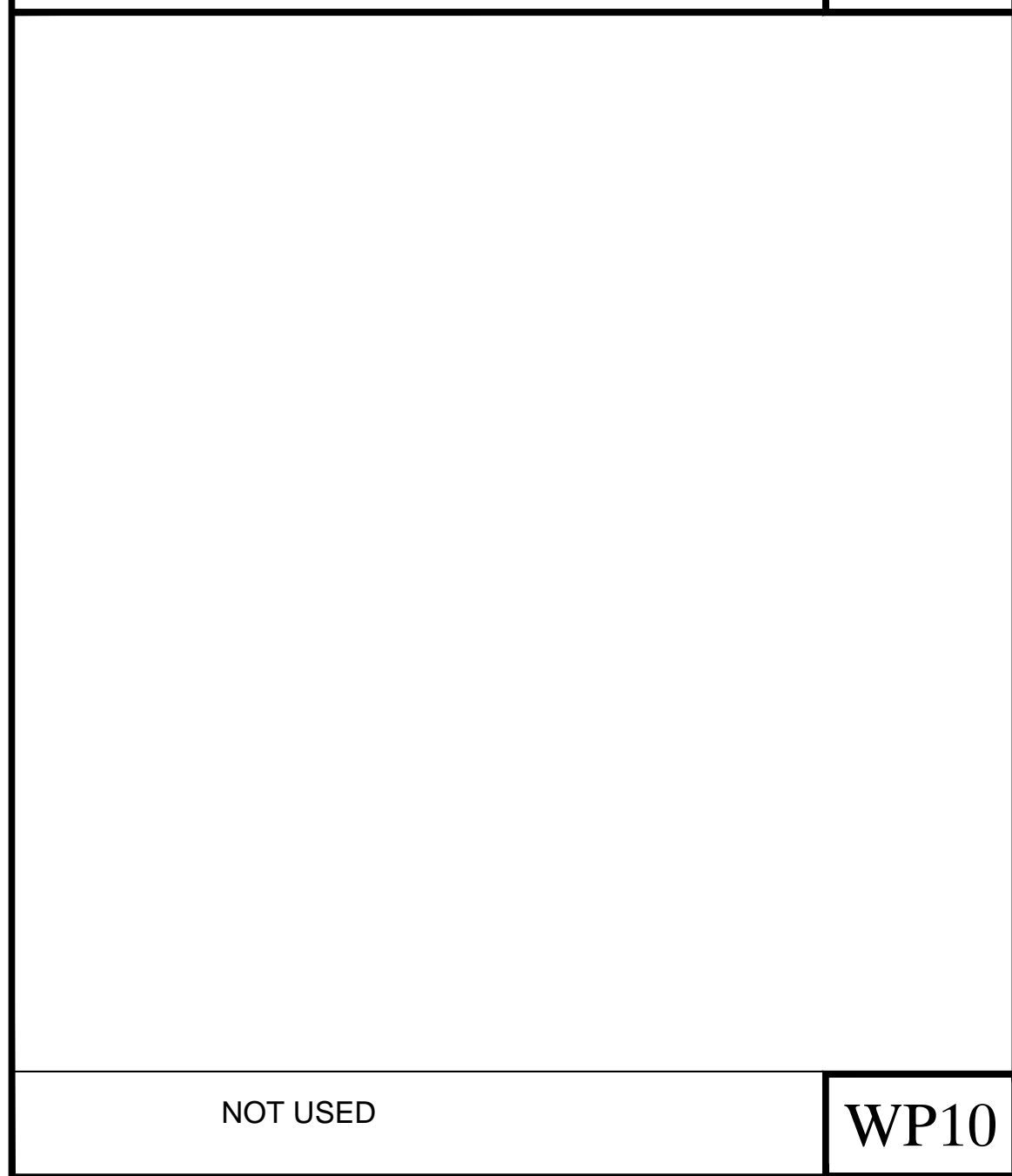
SELF-ADHERED FLASHING
HALF ROUND WINDOW

WP04



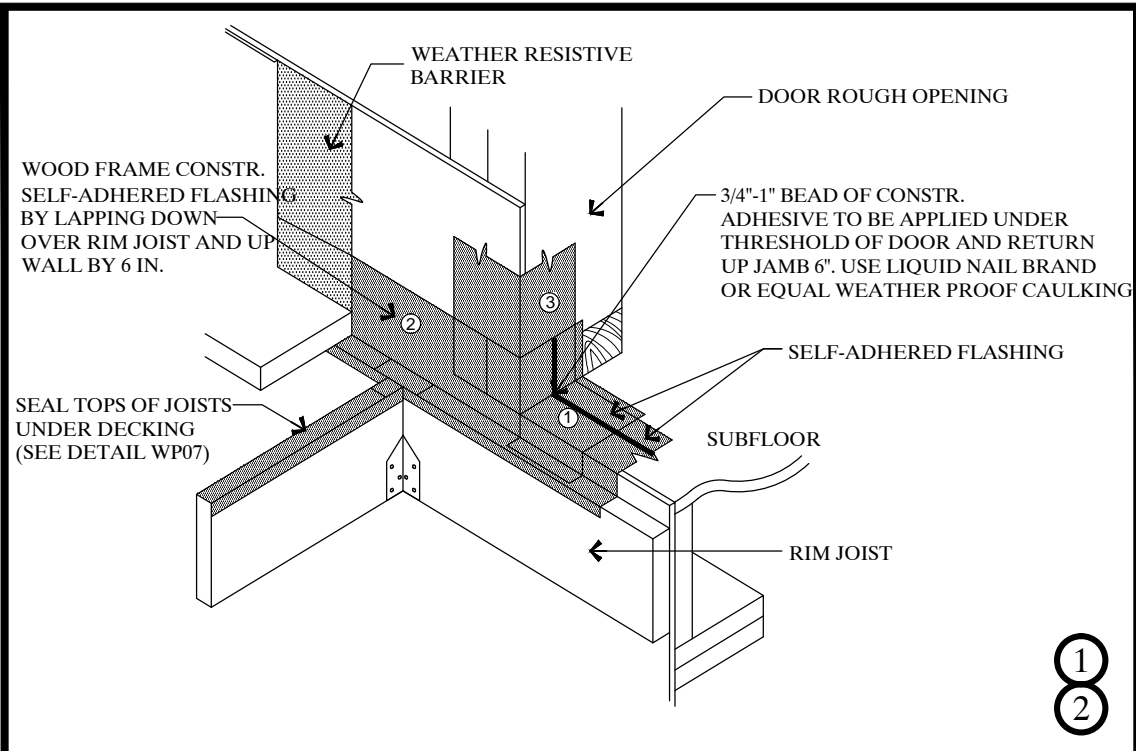
SELF-ADHERED FLASHING
DECK JOIST

WP07



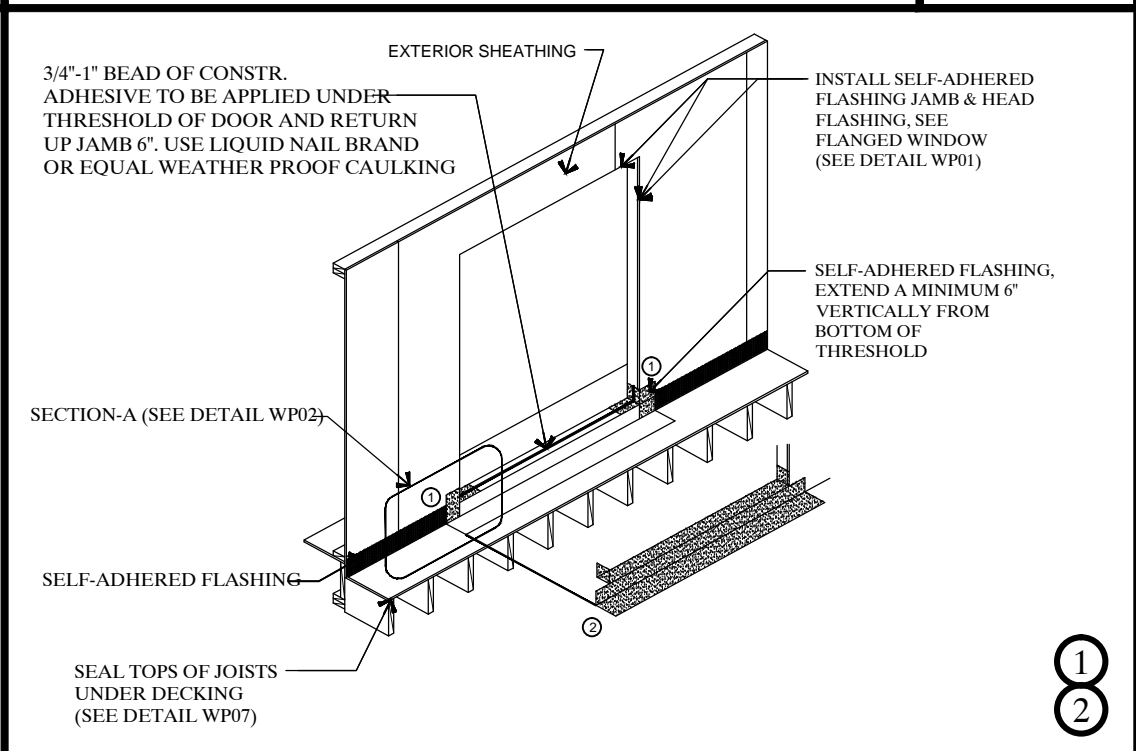
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WP10



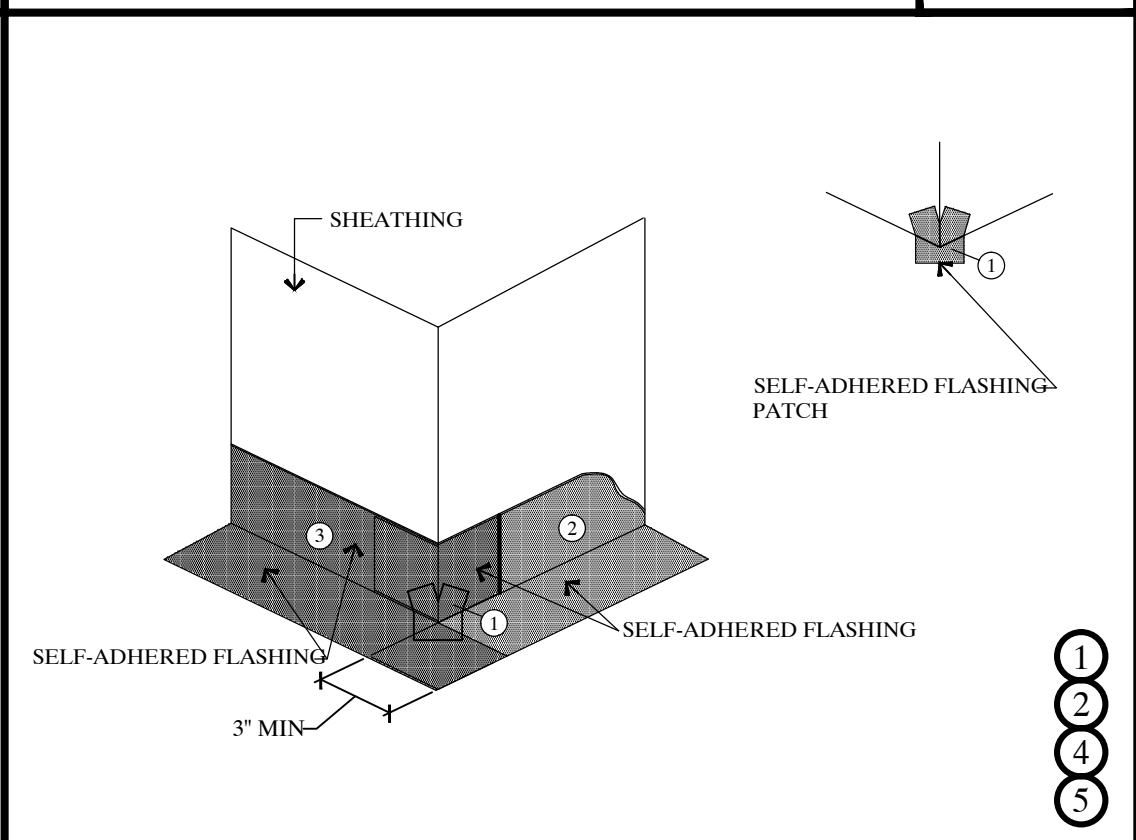
SELF-ADHERED FLASHING
EXTERIOR DOOR WITH DECK - SECTION A

WP02



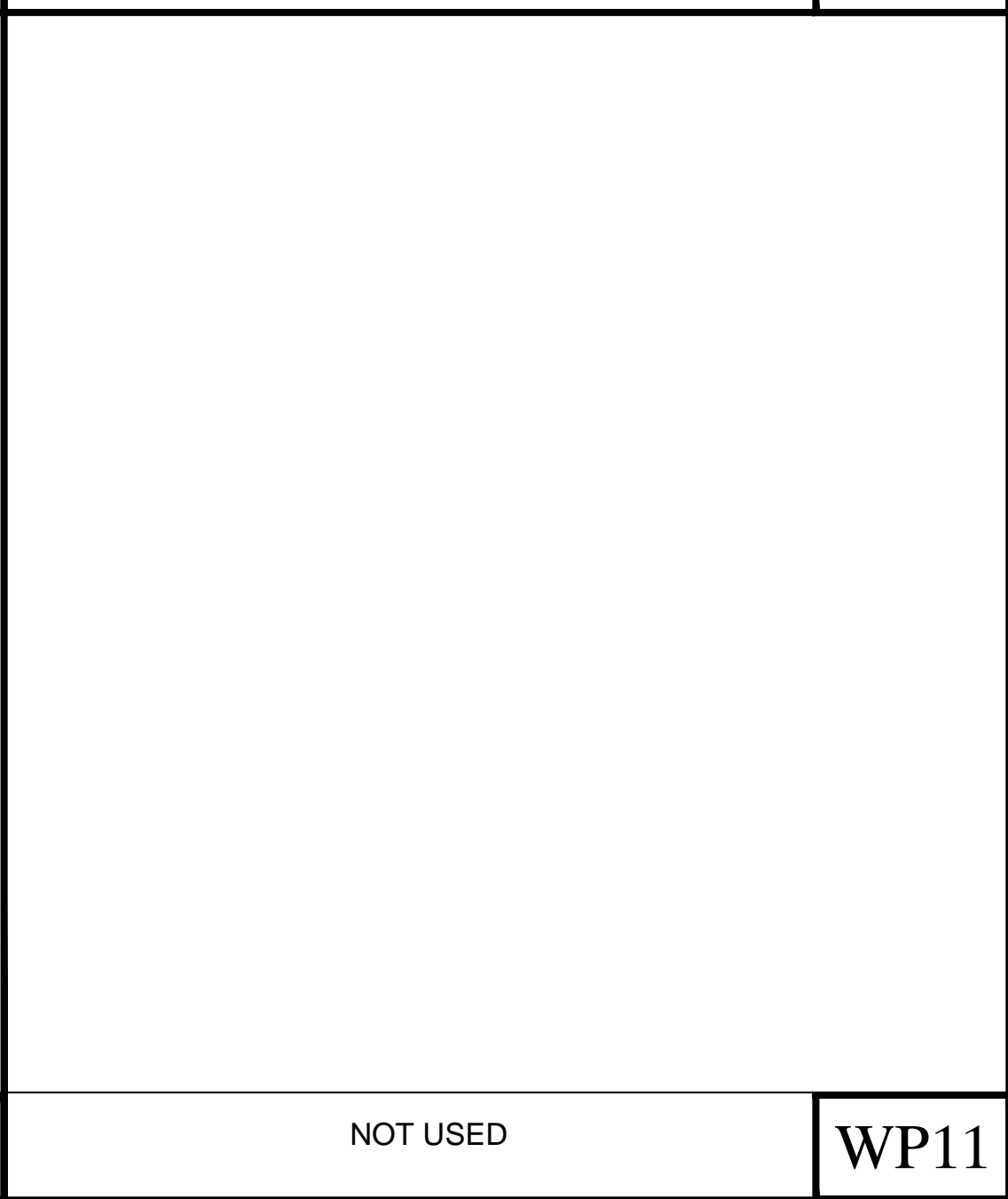
SELF-ADHERED FLASHING
EXTERIOR DOOR WITH DECK

WP05



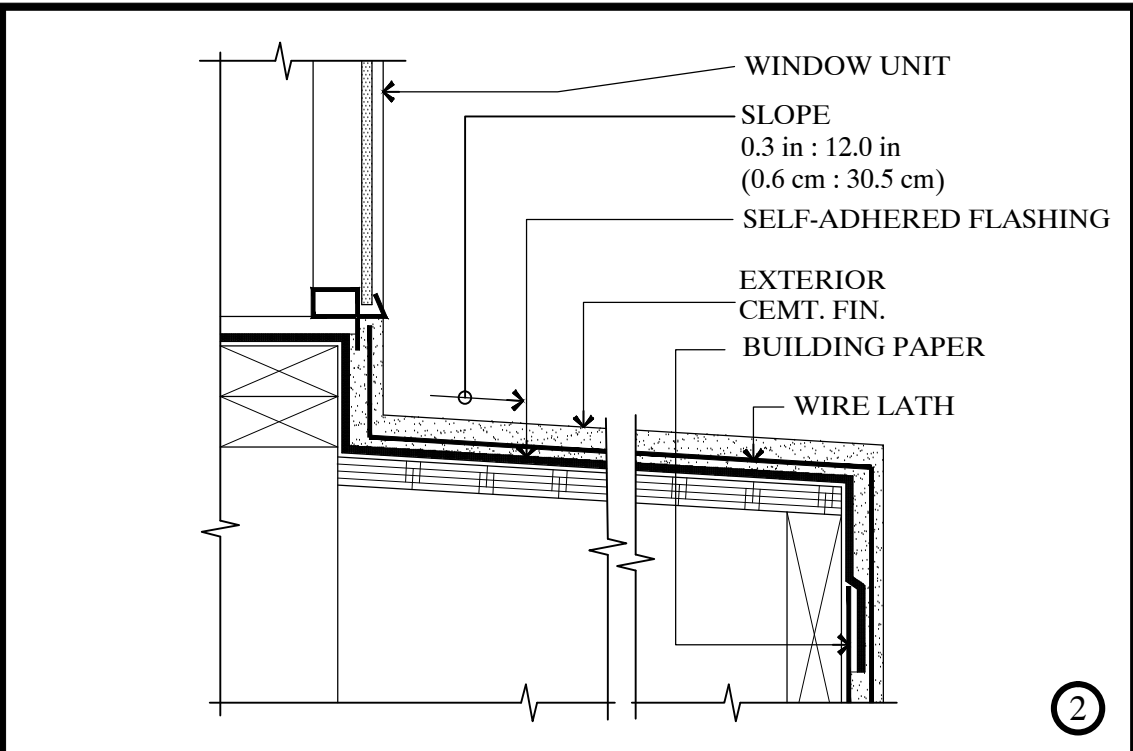
SELF-ADHERED FLASHING
OUTSIDE CORNER

WP08



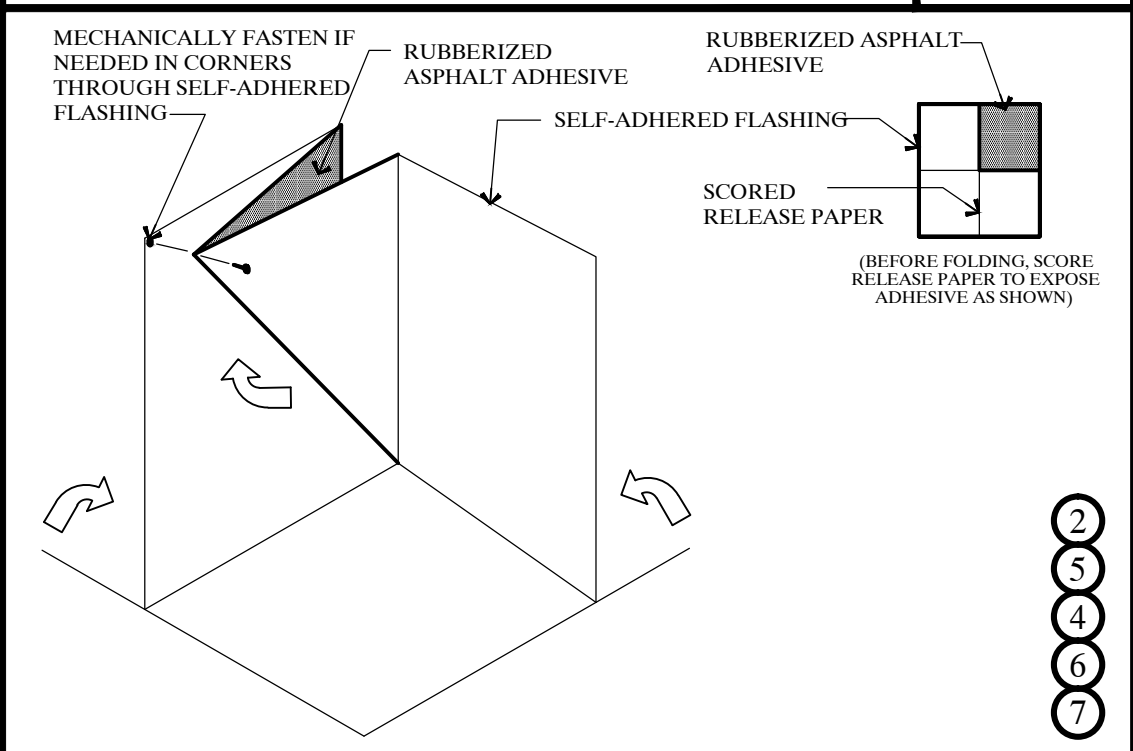
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WP11



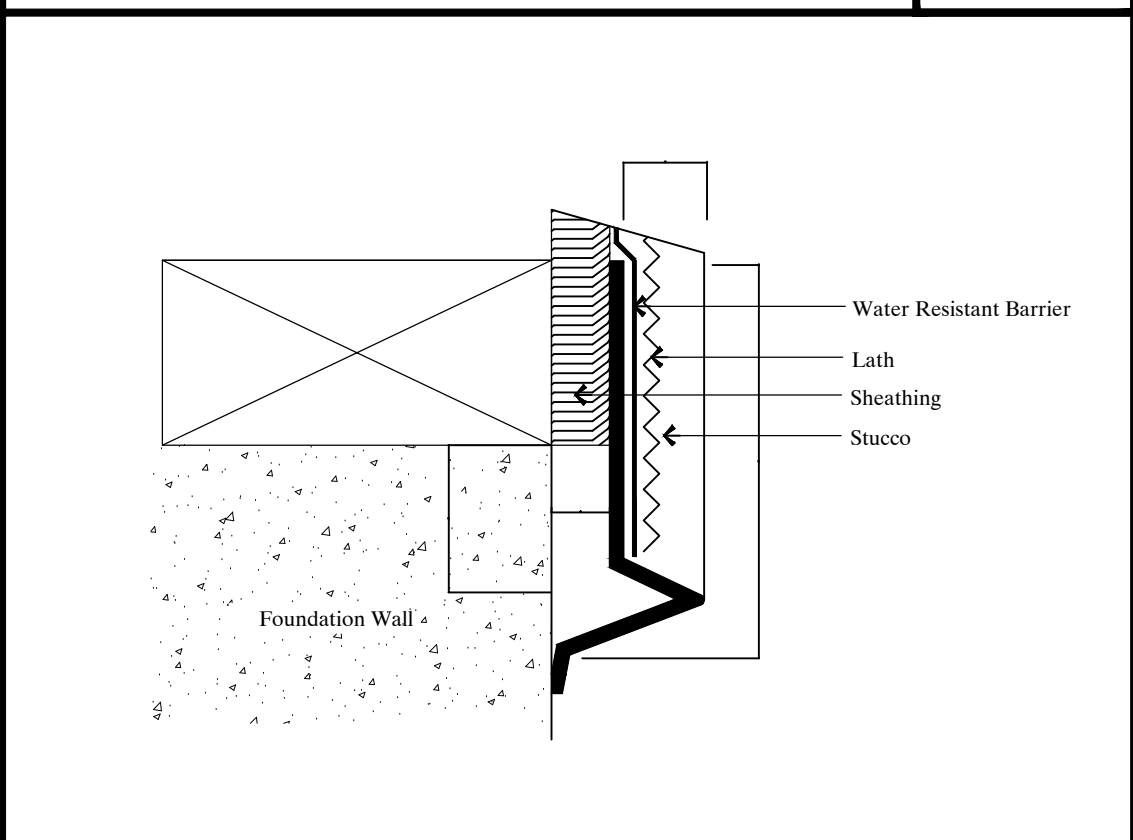
SELF-ADHERED FLASHING
CEMT. FINISH SILL/ POTSHSELF/ CHIMNEY SHOULDER

WP03



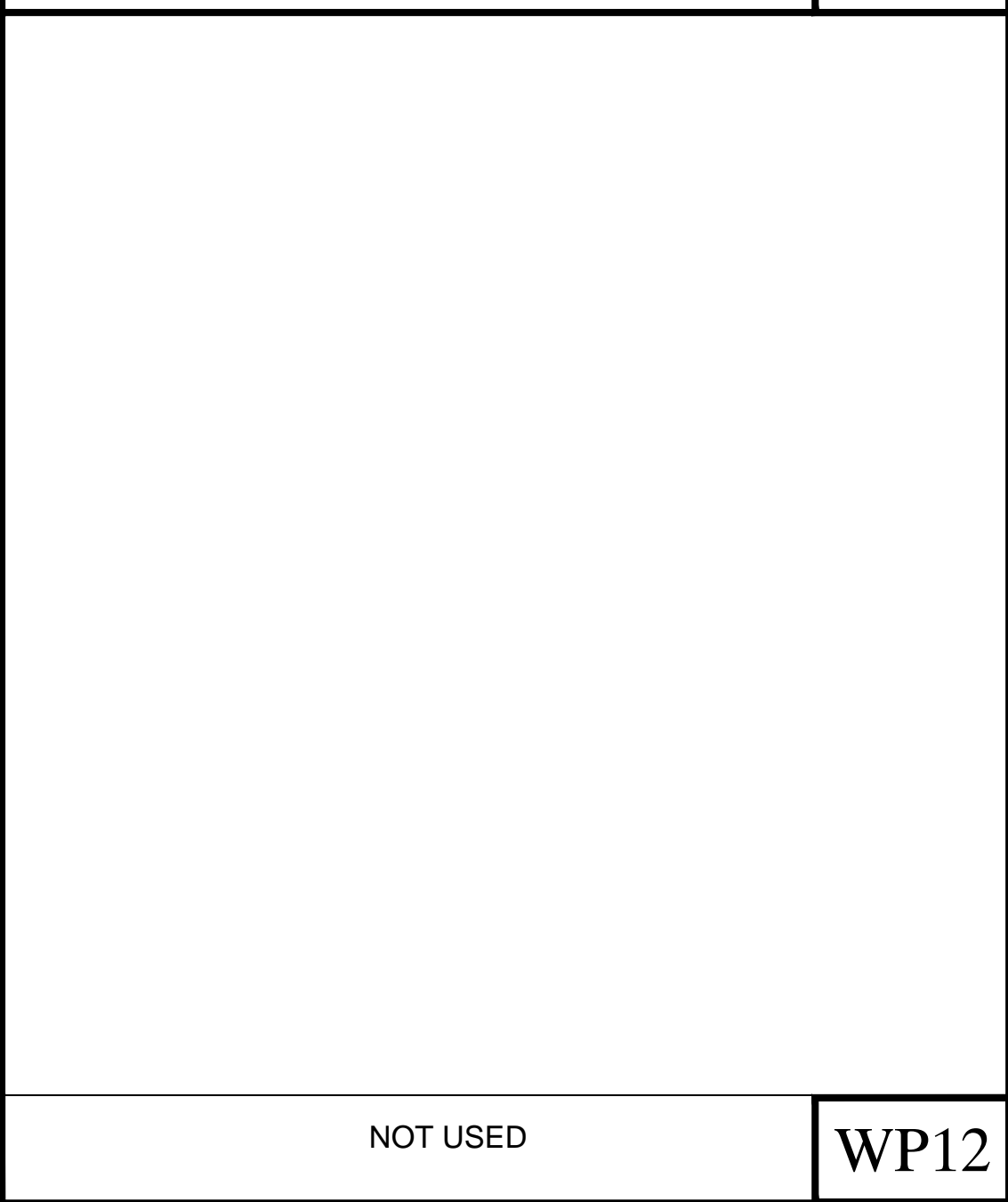
SELF-ADHERED FLASHING
INSIDE CORNER

WP06



FOUNDATION WEEP SCREED

WP09



NOT USED

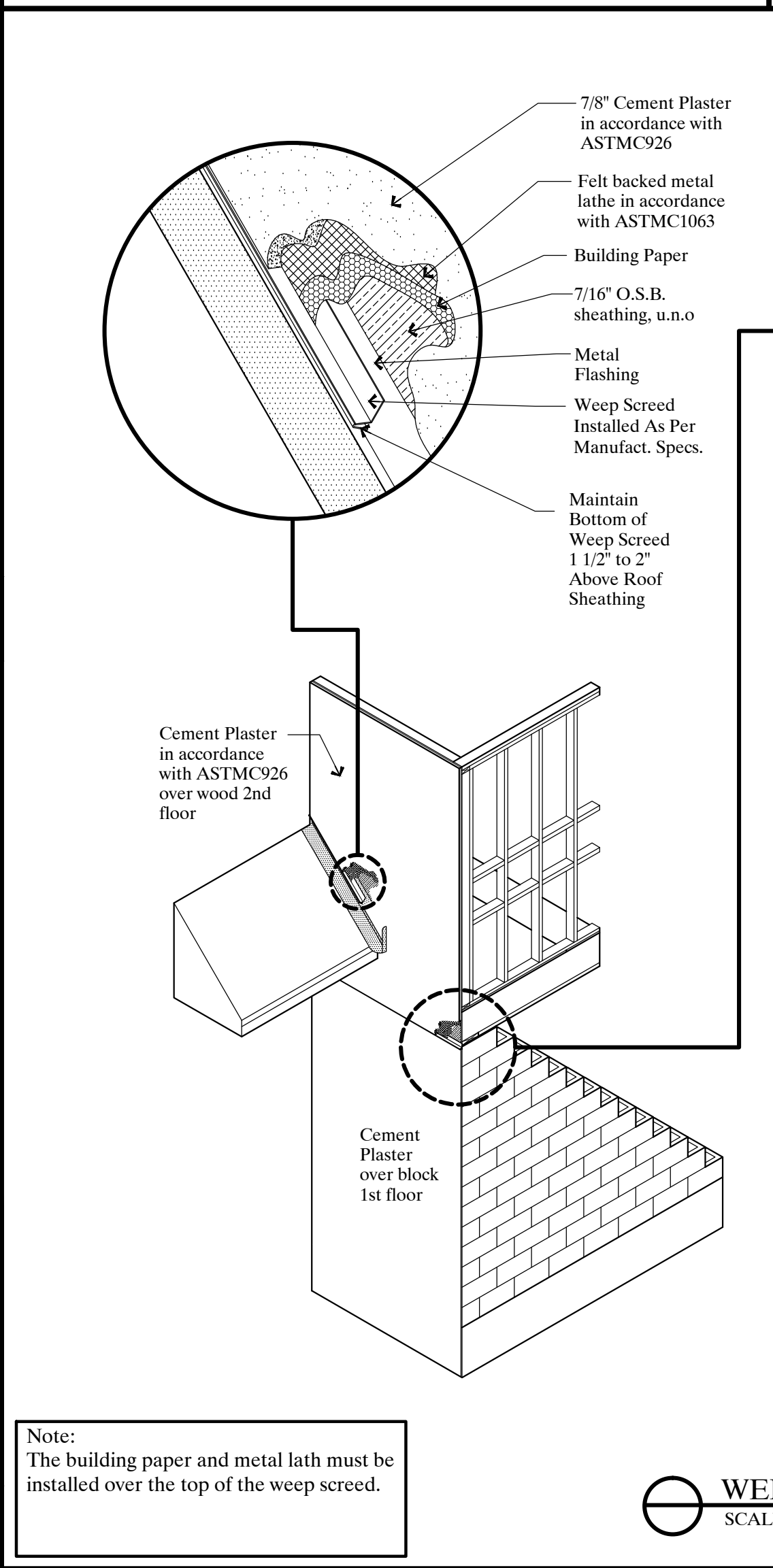
WP12

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

SELF-ADHERED FLASHING PRODUCTS DETAILS

TWO LAYERS OF FELT OR ONE LAYER OF HOUSE WRAP AND ONE LAYER OF FELT ARE REQUIRED BEHIND STUCCO. FBC R703.2.1

- #### Detail Instructions
- Refer to the number marked as # in each detail that corresponds to the numbered items in the list of instructions below:
1. Install self-adhered flashing in order as shown by numbers
 2. Install flashing and weather resistive barrier to form water shedding laps
 3. Self-adhered flashing can be substituted for building paper
 4. Split the release paper using the ripcord (Split release on demand, embedded in the adhesive layer) - for ease of installation and to minimize scoring cuts
 5. Remove all release paper per standard installation instructions and adhere to substrate using a square piece of flashing material (6" x 6" Minimum)
 6. Fold as shown by arrows
 7. Angle of corner may vary, adjust folding of the flashing accordingly to fit tight to corner
 8. Mechanically fasten as necessary



Note:
The building paper and metal lath must be installed over the top of the weep screed.

WEEP SCREED DETAIL
SCALE: NOT TO SCALE

FLASHING REQUIREMENTS

R612.12 Flashing, Sealants and Weatherstripping. Flashing and sealants for exterior windows shall comply with Section R703.8.

R703.2 Weather-resistant sheathing paper. One layer of No.15 asphalt felt, free from holes and breaks, complying with ASTM D 226 for Type 1 felt or other approved water-resistive barrier shall be applied over studs or sheathing of all exterior walls. Such felt or material shall be applied horizontally, with the upper layer lapped over the lower layer not less than 2 inches (51 mm). Where joints occur, felt shall be lapped not less than 6 inches (152 mm). The felt or other approved 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.

Exception: Omission of the water-resistive barrier is permitted in the following situations:

1. In detached accessory buildings.
2. Under exterior wall finish materials as permitted in

R703.8 Flashing. Approved corrosion-resistant flashing shall be applied shingle-fashion in a manner to prevent 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. The flashing shall extend to the surface of the exterior wall finish. Approved corrosion-resistant flashings shall be installed at all of 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 for subsequent drainage. Flashing at exterior window and door openings shall be installed in accordance with one or more of the following or other approved method:
 - 1.1 The fenestration manufacturer's written flashing instructions.
 - 1.2 The flashing manufacturer's written installation instructions.
 - 1.3 In accordance with FMA/AAMA 100, FMA/AAMA 200, or FMA/WDMA 250.
 - 1.4 In accordance with the flashing method of a registered design professional.
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.

R703.15 Drained assembly wall over mass assembly wall. Where wood frame or other types of drained wall assemblies are constructed above mass wall assemblies, flashing or other approved drainage system shall be installed as required by R703.8.

REVISIONS	BY



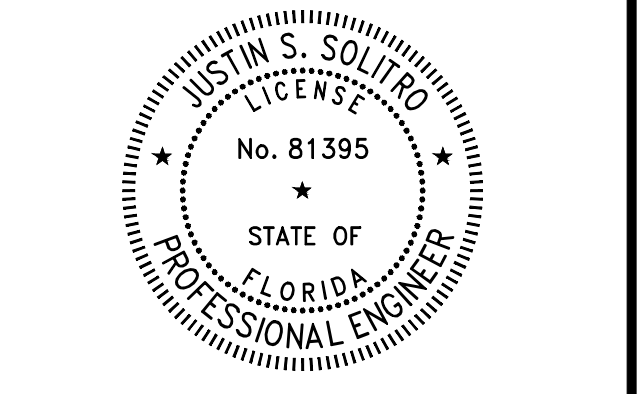
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NEW RESIDENCE FOR
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LOT 32 BLK A MEREDITH MANOR NOB HILL
214 NOB HILL CIRCLE
LONGWOOD, FL 32779

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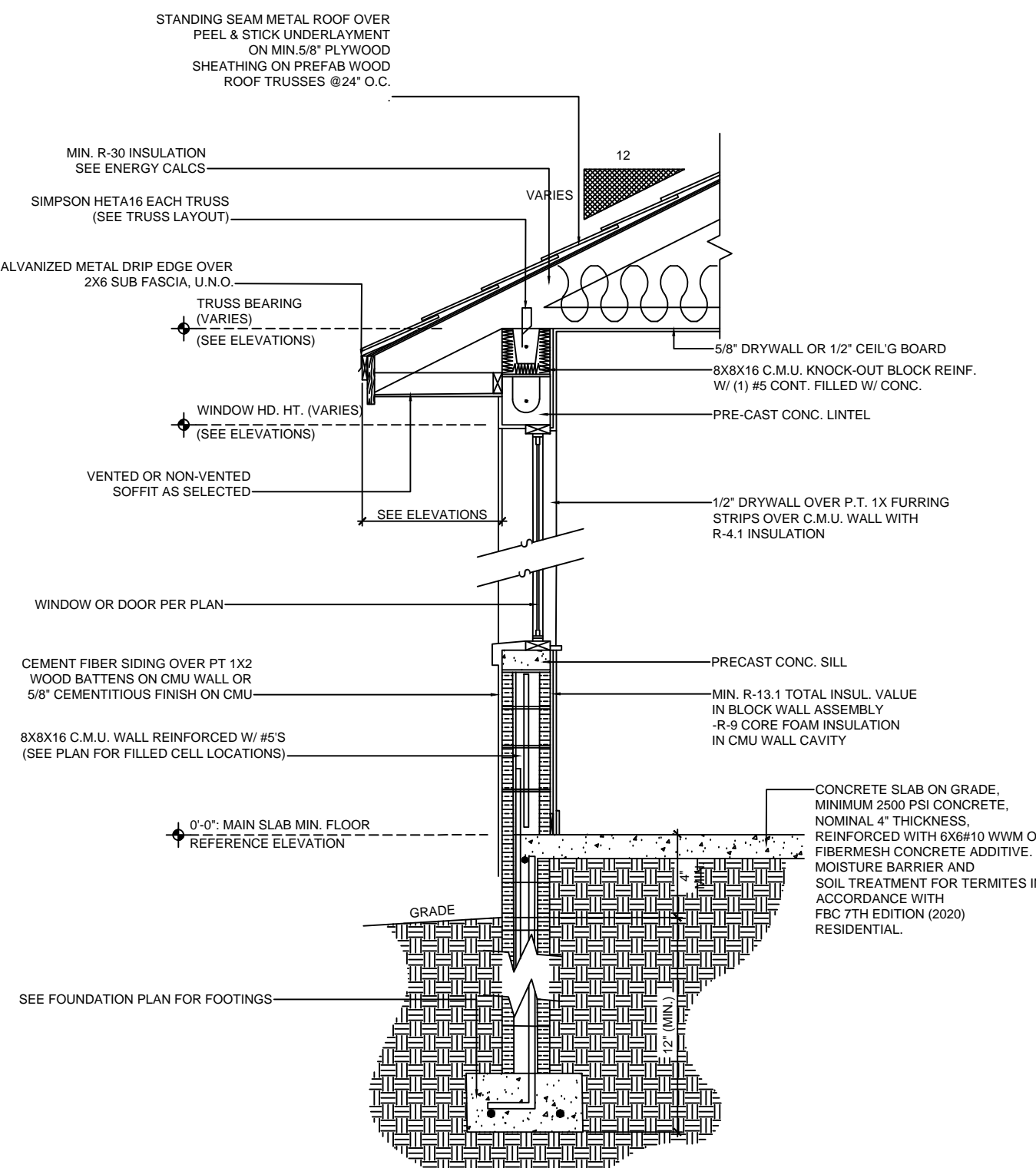
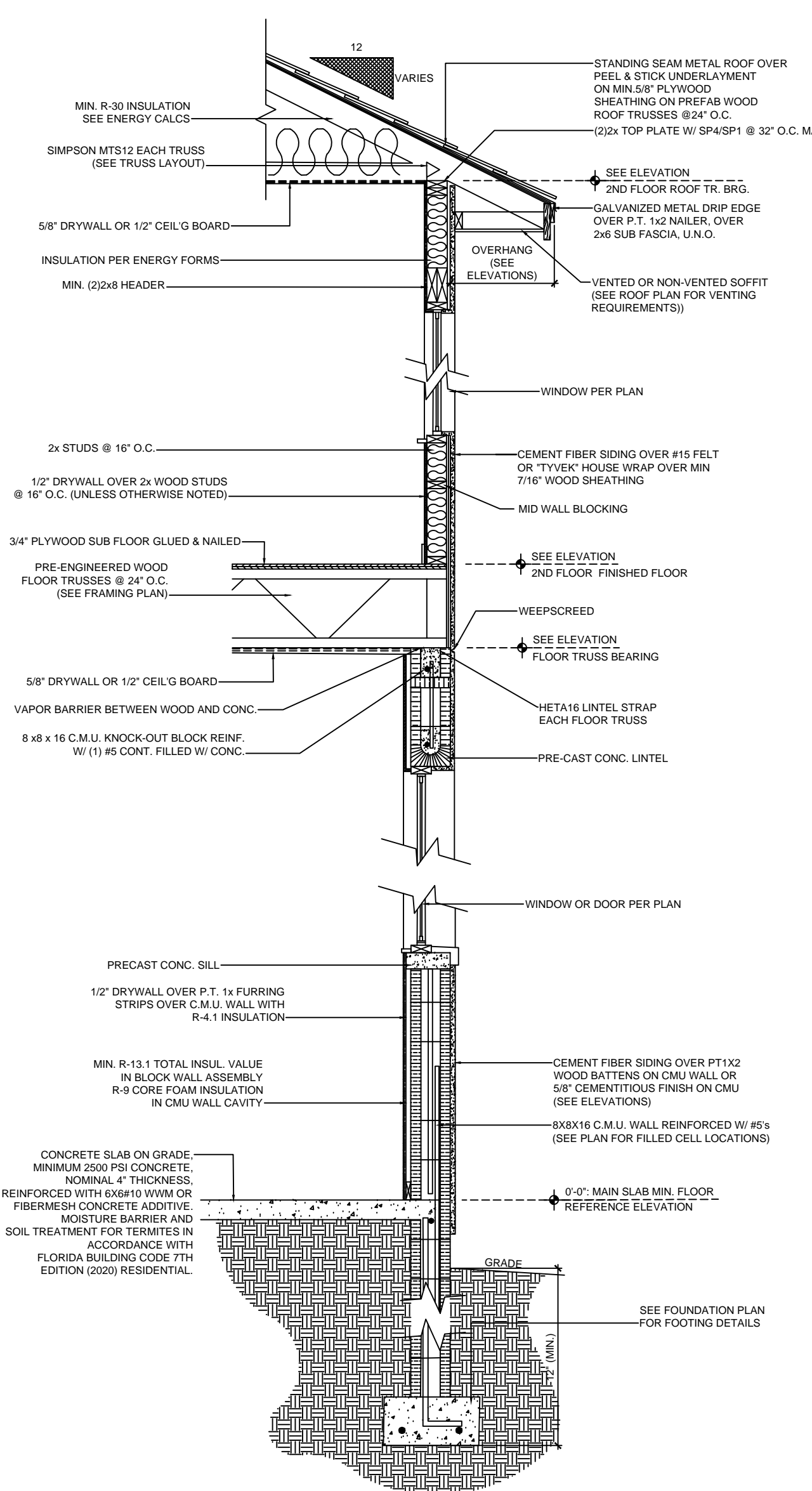
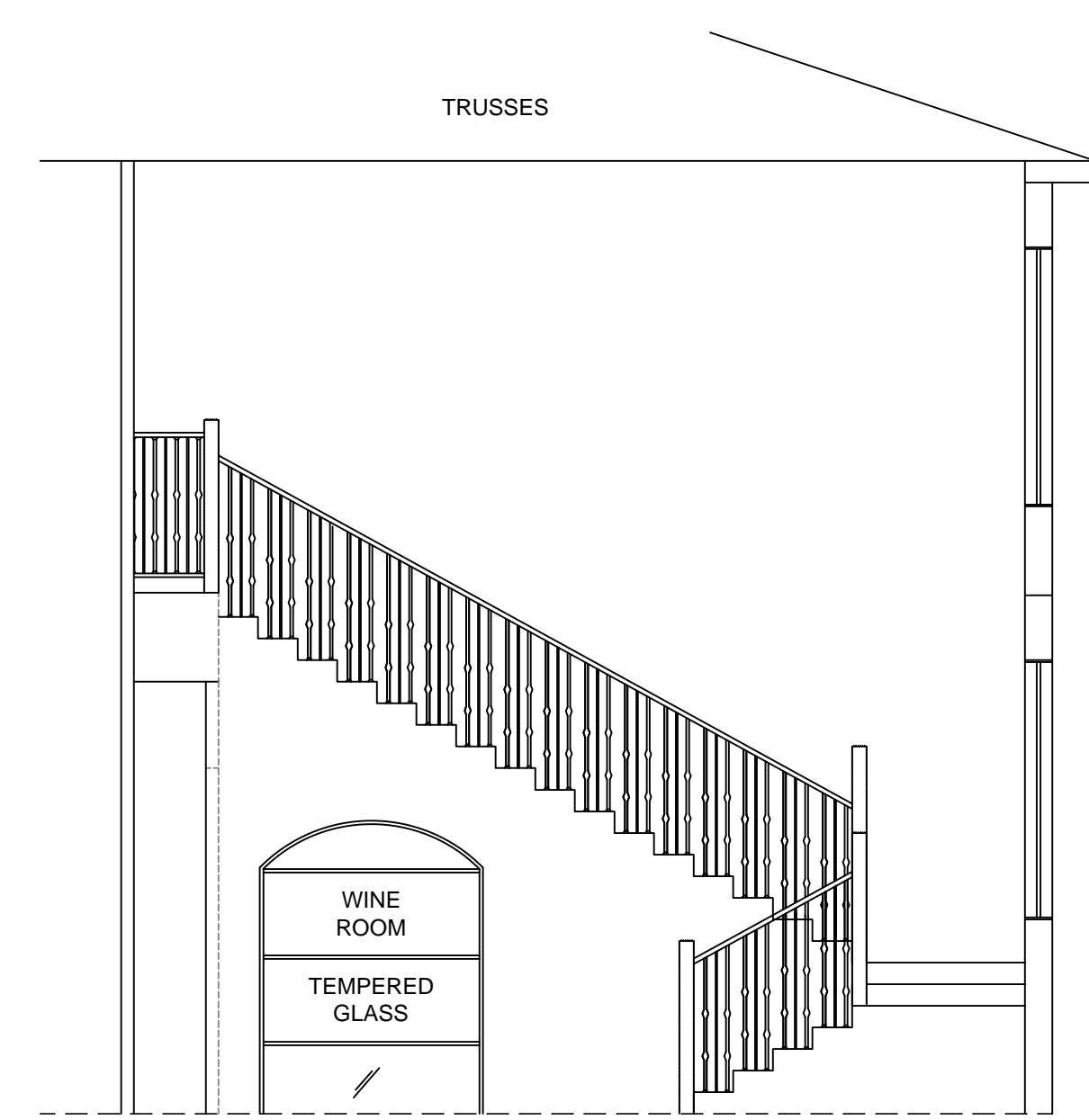
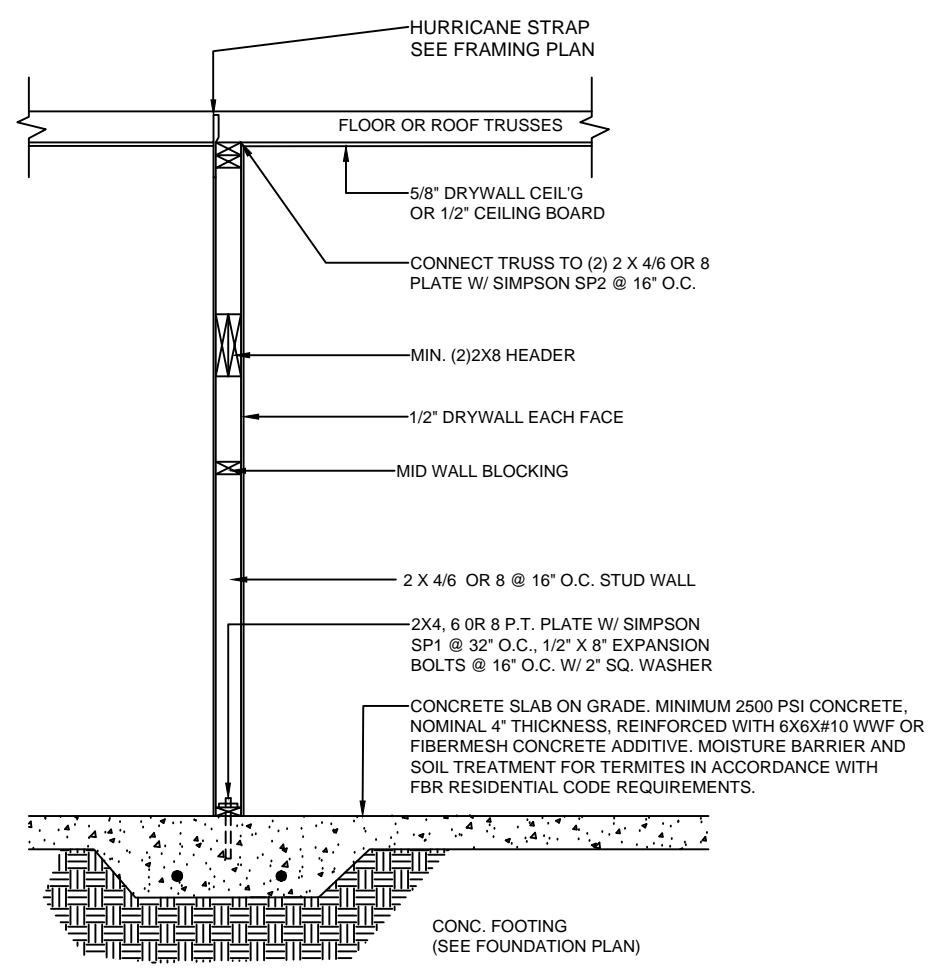
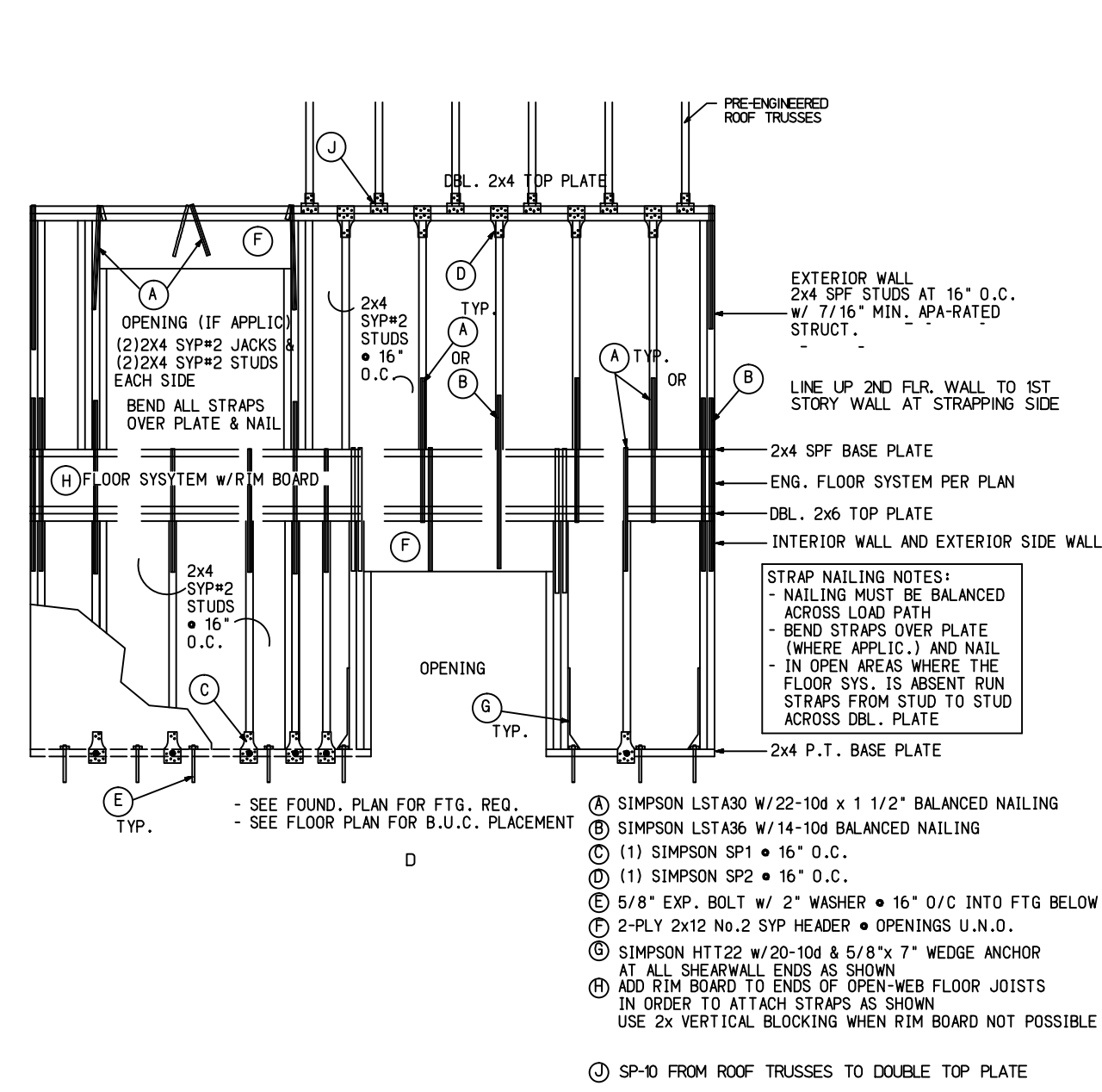


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WATERPROOFING

SCALE: NTS



SECTIONS

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

REVISIONS	BY

FLA PLANS

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LONGWOOD, FL 32779

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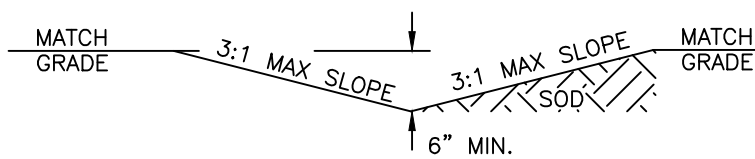
JUSTIN S. SOLITRO
LICENSE
No. 81395
STATE OF FLORIDA
PROFESSIONAL ENGINEER

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JOB #: 230414	SCALE: AS NOTED



NOTE:
ALL SWALES, BERMS AND SIDE SLOPES TO BE SODDED.



TYPICAL SWALE DETAIL

SCALE: NTS

PROPERTY INFORMATION

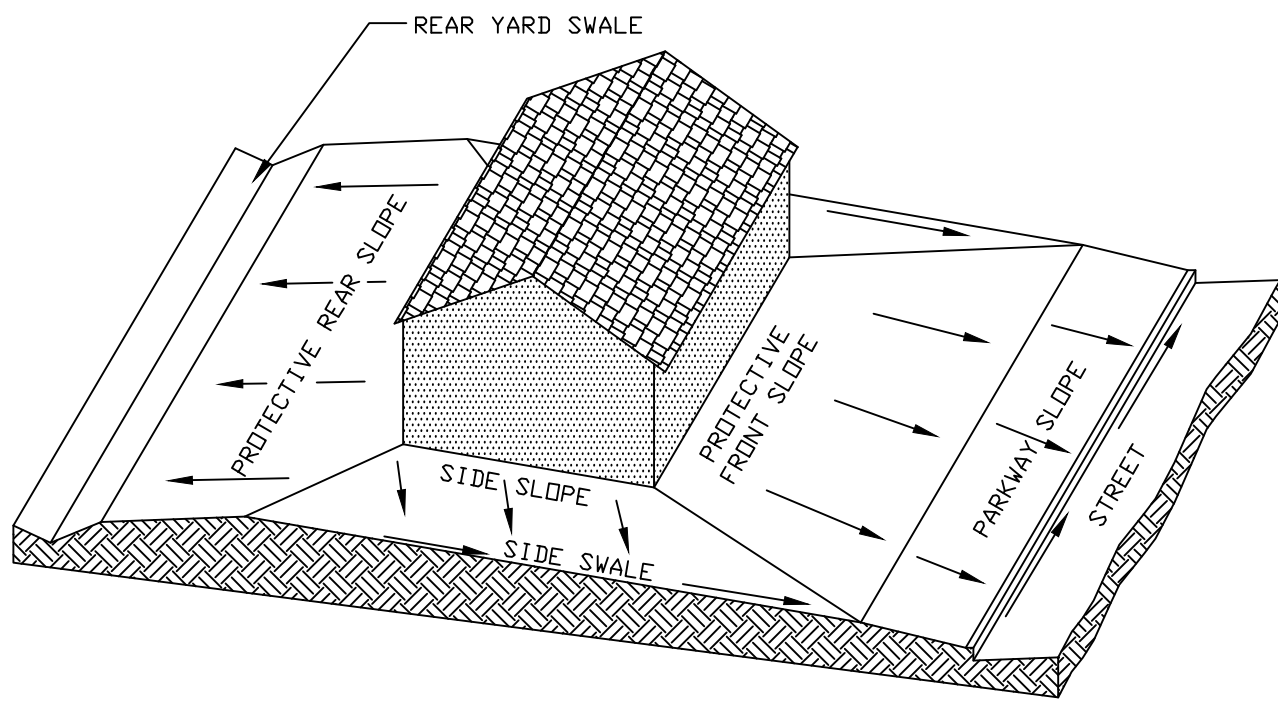
ZONING: R1 AA

BUILDING SETBACKS: 25' FRONT
10' SIDE
30' REAR

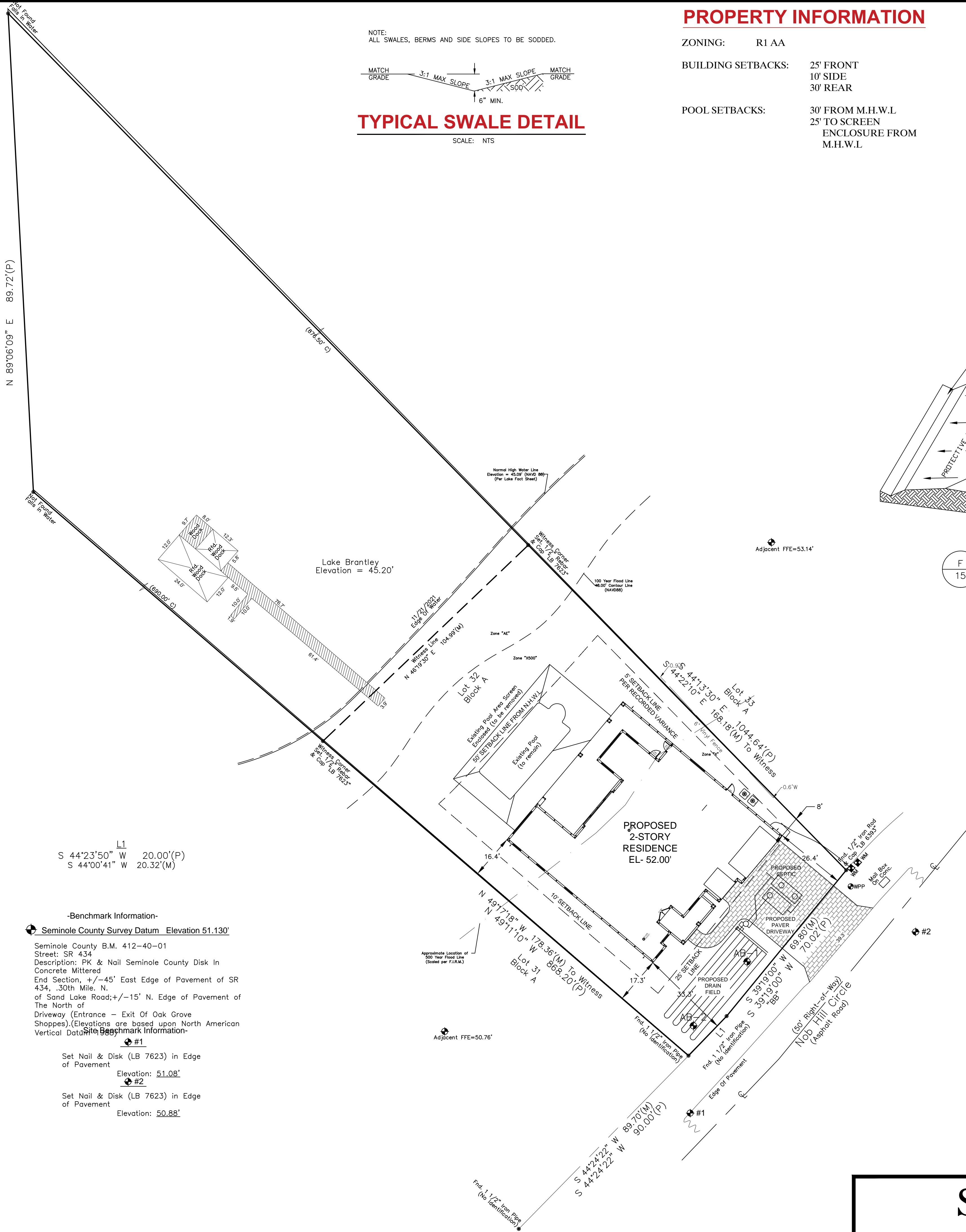
POOL SETBACKS: 30' FROM M.H.W.L.
25' TO SCREEN
ENCLOSURE FROM
M.H.W.L.

NOTES

1. SURVEY INFORMATION PROVIDED BY IRELAND SURVEYING.
2. ELEVATIONS BASED ON NAVD 88 VERTICAL DATUM.
3. THE FINISHED FLOOR ELEVATION SHALL BE NO MORE THAN ONE-TENTH (1/10) OF ONE FOOT (1') BELOW THE APPROVED DESIGN ELEVATION.
4. THE FINISHED FLOOR ELEVATION SHALL BE NO MORE THAN ONE-HALF (1/2) OF ONE FOOT (1') ABOVE THE APPROVED DESIGN ELEVATION.
5. TO THE FULLEST EXTENT POSSIBLE, STORMWATER RUNOFF SHALL BE DIRECTED TO THE STREET. A DESIRED MINIMUM SLOPE OF 1% SHALL BE MAINTAINED FOR GRADING.
6. ALL GRADING SHALL BE ON-SITE ONLY.
7. BUILDING CONTRACTOR AND/OR OWNER RESPONSIBLE TO CONFIRM PROPOSED GRADES PRIOR TO CONSTRUCTION WILL NOT CAUSE ANY ISSUES.



F
15 TYPE 'B' MODIFIED LOT GRADING
DRAINAGE TO STREET
AND TO REAR LOT LINE
N.T.S.



L1
S 44°23'50" W 20.00'(P)
S 44°00'41" W 20.32'(M)

-Benchmark Information-

Seminole County Survey Datum Elevation 51.130'

Seminole County B.M. 412-40-01
Street: SR 434
Description: PK & Nail Seminole County Disk In Concrete Mittered
End Section, +/-45' East Edge of Pavement of SR 434, 30th Mile. N.
of Sand Lake Road; +/-15' N. Edge of Pavement of The North of
Driveway (Entrance - Exit Of Oak Grove Shoppes). (Elevations are based upon North American Vertical Datum of 1988)

#1

Set Nail & Disk (LB 7623) in Edge of Pavement

Elevation: 51.08'

#2

Set Nail & Disk (LB 7623) in Edge of Pavement

Elevation: 50.88'

SITE PLAN

SCALE: 1" = 20'-0"

REVISIONS	BY



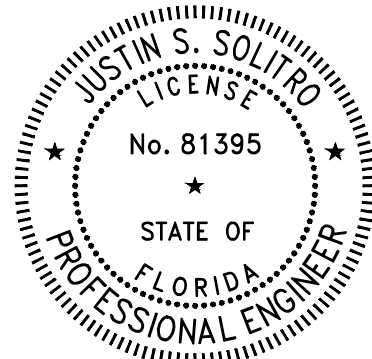
JUSTIN SOLITRO
PROFESSIONAL ENGINEER - 81395
Weirstone, LLC D.B.A. FLA Plans
480 Needles Trail, Longwood FL 32779
407.310.3075 / justin@weirstone.com

DISCLAIMER:

IT IS THE CONTRACTOR/ SUBCONTRACTOR RESPONSIBILITY TO REVIEW ALL INFORMATION CONTAINED HEREIN PRIOR TO COMMENCEMENT OF CONSTRUCTION. WEIRSTONE, LLC IS NOT RESPONSIBLE FOR ANY MISREPRESENTATIONS, ERRORS, OMISSIONS OR CUSTOM CHANGES MISSED AND/OR NOT REPORTED PRIOR TO CONSTRUCTION. NO EXCEPTIONS.

NEW RESIDENCE FOR
AUSTIN & NIKKI TINKLEY
LOT 32 BLK A MEREDITH MANOR NOB HILL
214 NOB HILL CIRCLE
LONGWOOD, FL 32779

This structure has been designed to withstand the forces generated by 140 m.p.h. winds plus three second gust factor in compliance with section 1600 of 2020 Florida Building Code Residential, Revisions and Supplements.



This item has been digitally signed and sealed by Justin Solitro, PE, on the date shown on the electronic signature.

Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

DRAWN BY: JS	DESIGN BY: JS
DATE: 04/14/2023	CHECKED BY: JS
JOB #: 230414	SCALE: AS NOTED

SHEET

C1