

Approval does not relieve Contractor of responsibility that this drawing, or drawings, shall meet all applicable codes and ordinances in cases of omissions or errors.



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

ROOF VENTILATION:
 R800.2 Minimum vent area.
 The minimum net free ventilating area shall be 1/150 of the area of the vented space.
 Exception: The minimum net free ventilation area shall be 1/300 of the vented space provided one or more of the following conditions are met:
 1. In Climate Zones 6, 7 and 8, a Class I or II vapor retarder is installed on the warm-in-winter side of the ceiling.
 2. At least 40 percent and not more than 50 percent of the required ventilating area is provided by ventilators located in the upper portion of the attic or rafter space. Upper ventilators shall be located no more than 3 feet below the ridge or highest point of the space, measured vertically, with the balance of the required ventilation provided by eave or cornice vents. Where the location of wall or roof framing members conflicts with the installation of upper ventilators, installation more than 3 feet below the ridge or highest point of the space shall be permitted.

- 10'-0"
- 10'-0"
- 2'-0" (TYP.)
- 38'-10" ELEVATION @ TOP OF MAIN FLOOR
- 1'-6"
- 36' ELEVATION @ BOTTOM OF LOWEST HORIZONTAL STRUCTURAL MEMBER
- 34'-2" ELEVATION @ BOTTOM OF A/C CONDENSER & METER
- 9'-4"
- 28' ELEVATION @ TOP OF BOTTOM FLOOR
- 27'-6" ELEVATION @ BOTTOM OF EXTERIOR STEPS WHERE STAIRS MEET GROUND



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

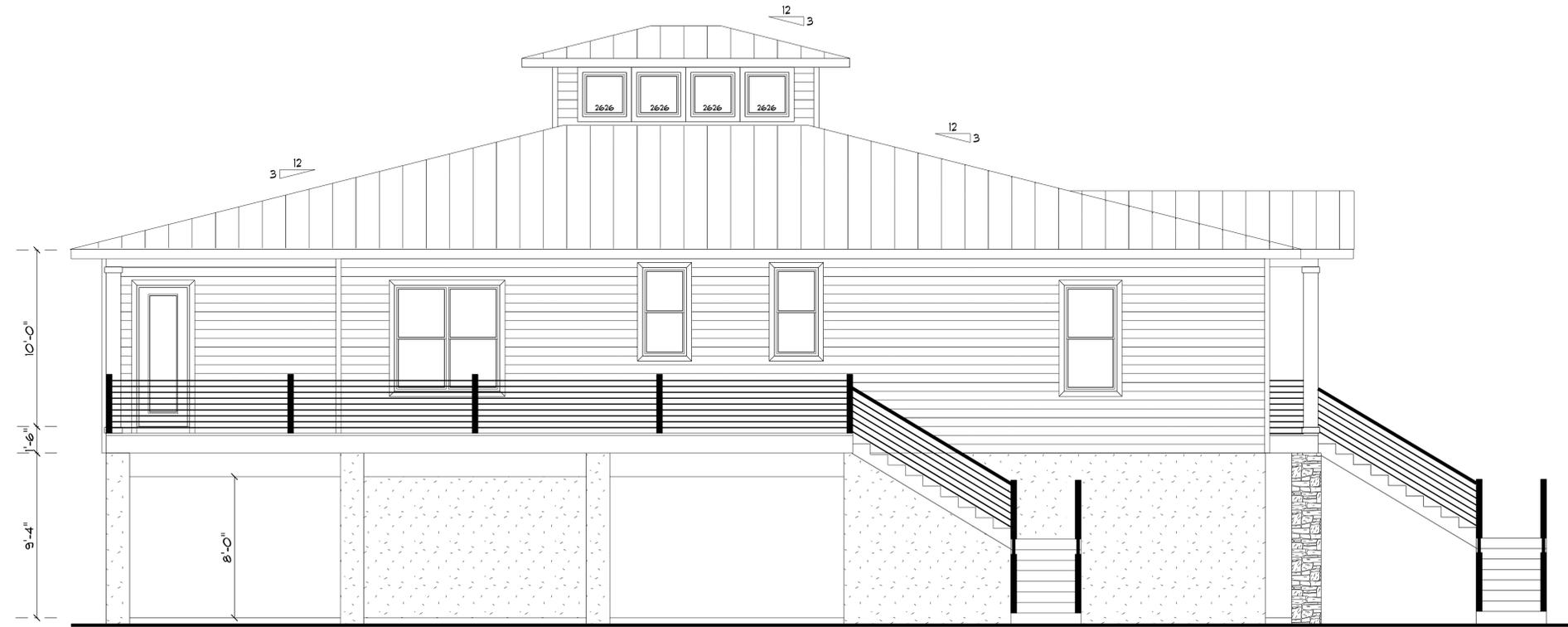
Corey Amira Custom Homes
 Caruthers Res.
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 Fort White, FL 32038

FL PE 53915
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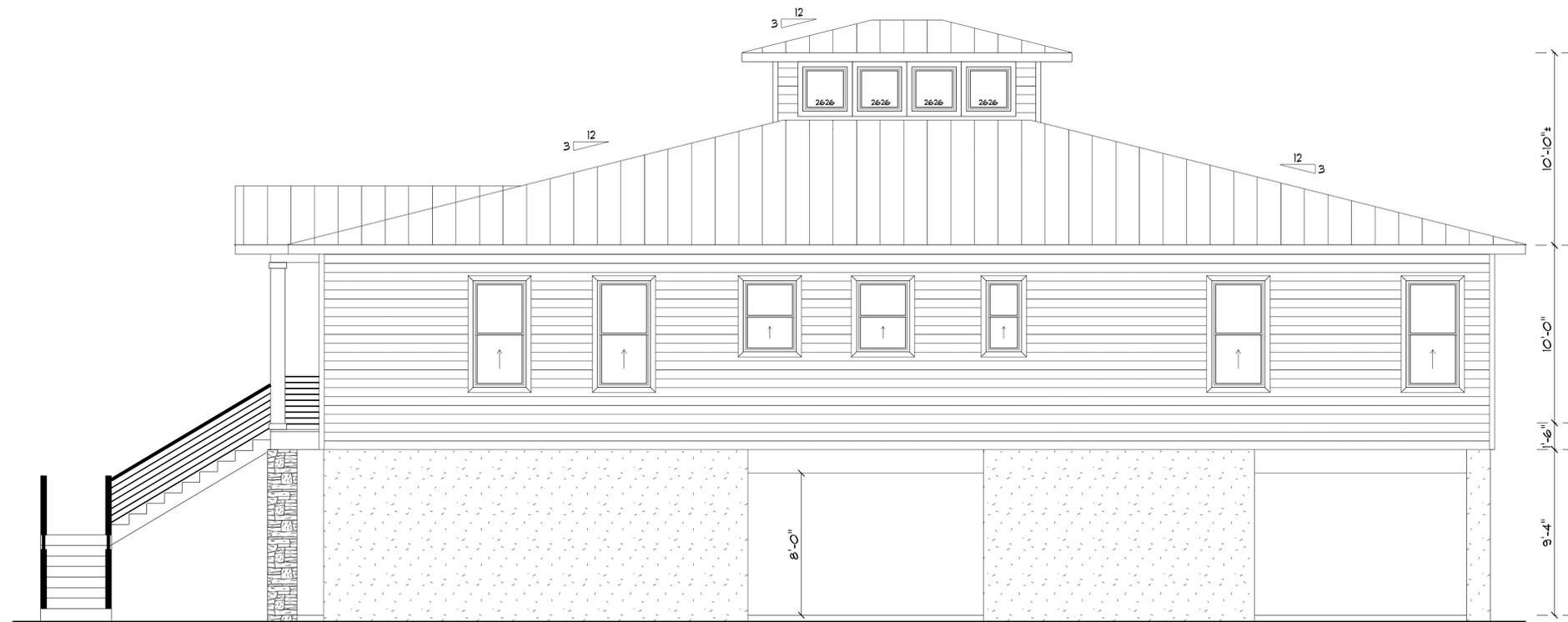
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CERTIFICATION: I hereby certify that I have examined this plan, and that the applicable portions of the plan, relating to wind engineering comply with the 8th Edition Florida Building Code Residential (2023) to the best of my knowledge.
LIMITATION: This design is valid for one building, at specified location.

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JOB NUMBER:
 250555
 1
 OF 9 SHEETS



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



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

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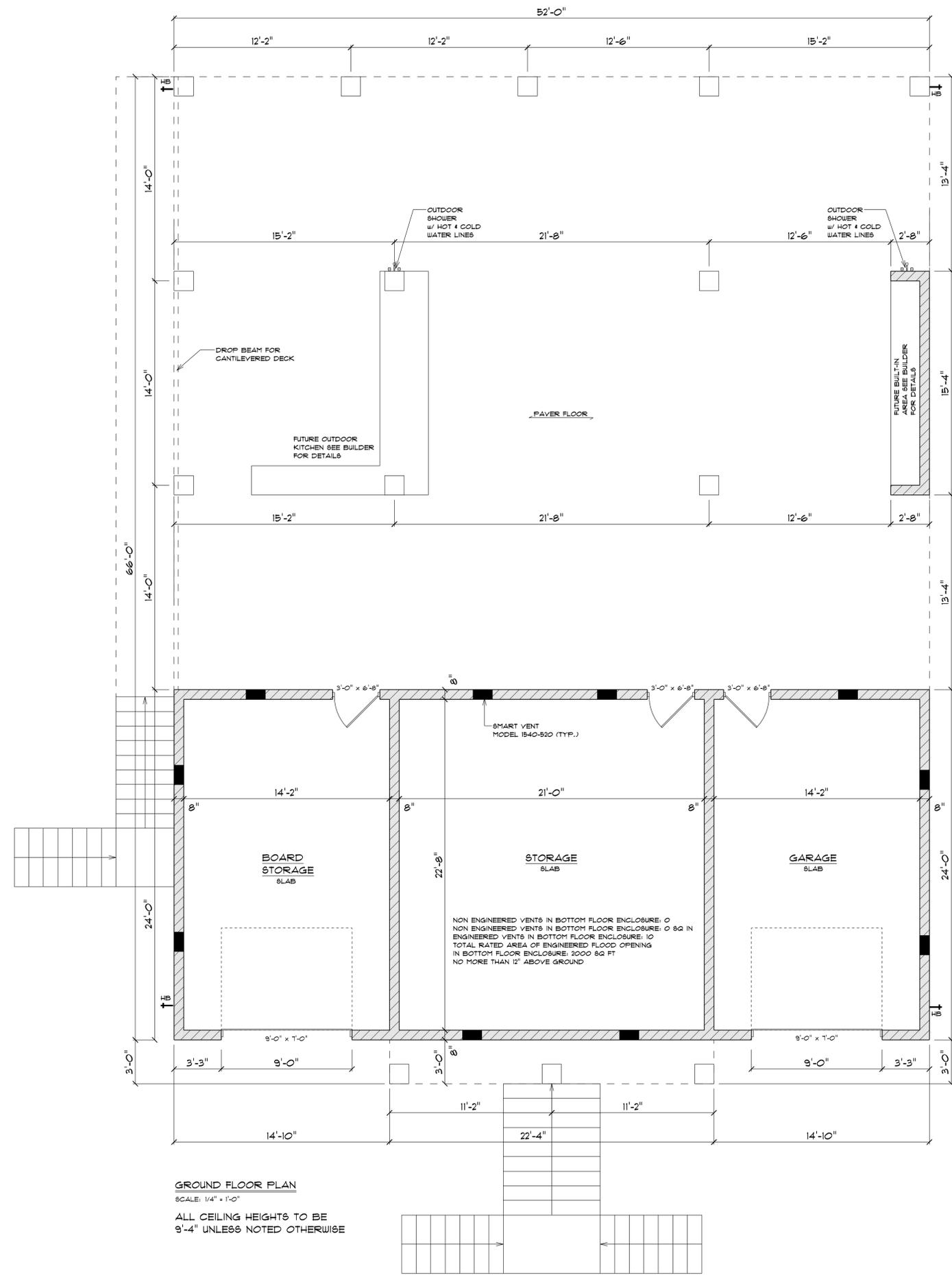
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1.1
OF 9 SHEETS



GROUND FLOOR PLAN
 SCALE: 1/4" = 1'-0"
 ALL CEILING HEIGHTS TO BE
 9'-4" UNLESS NOTED OTHERWISE

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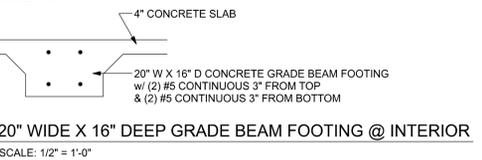
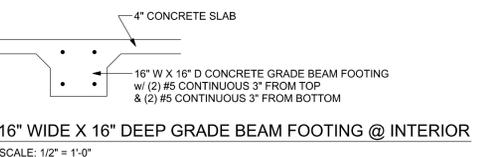
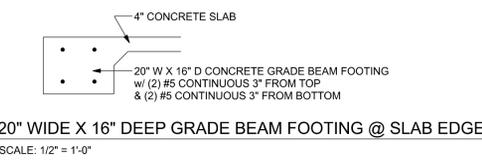
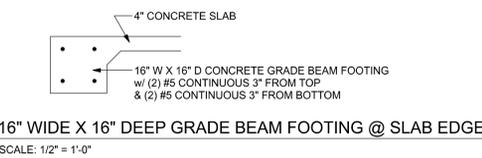
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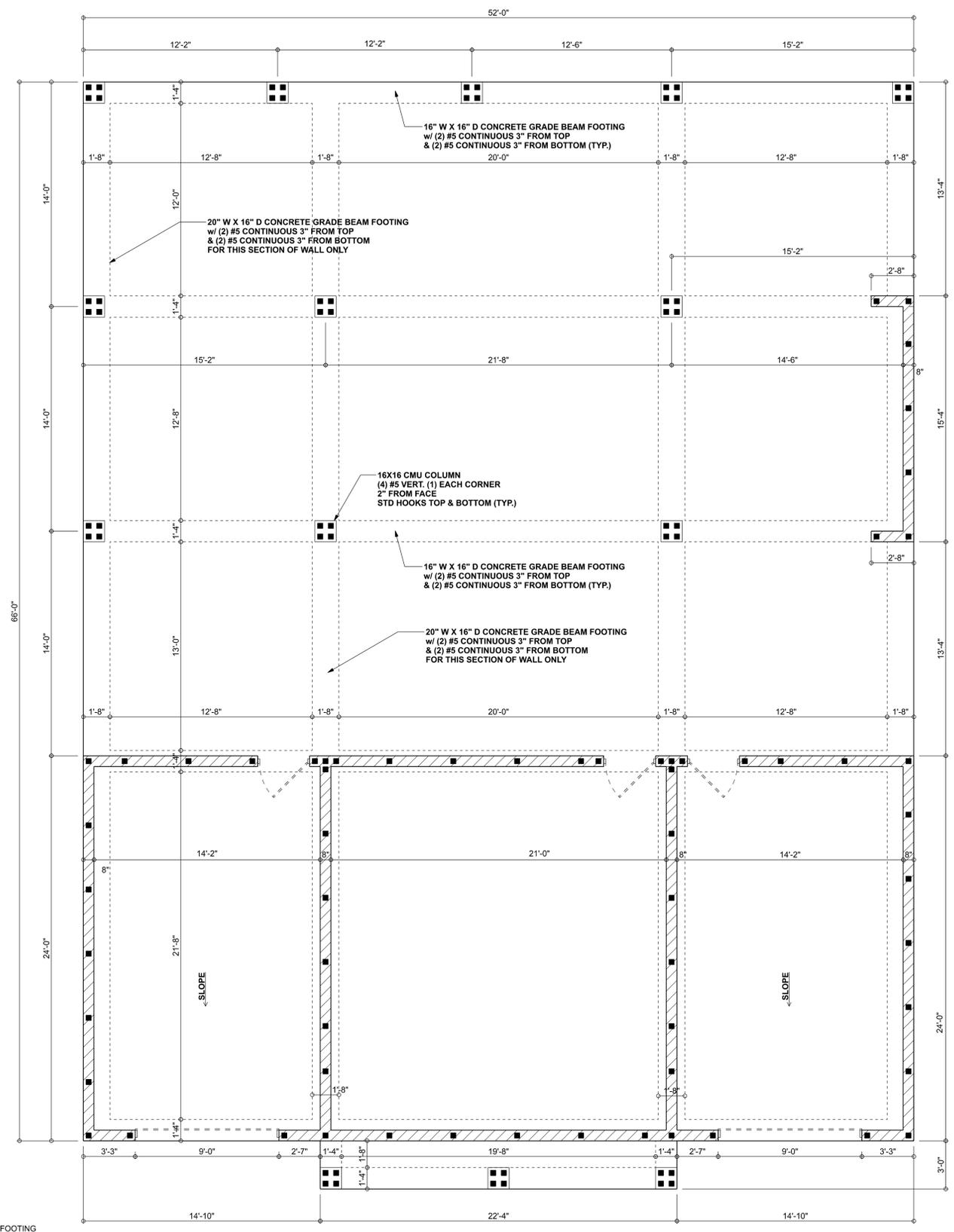
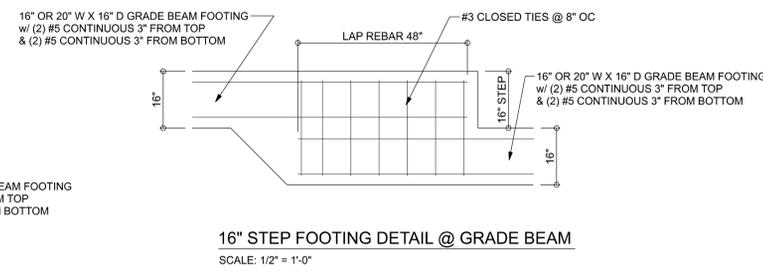
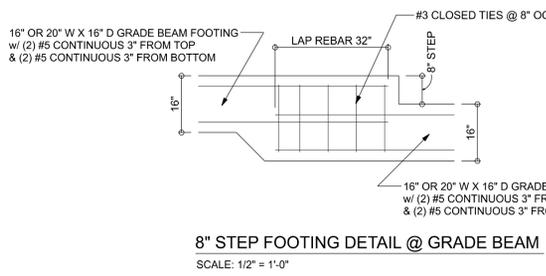
2.1
 OF 9 SHEETS

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

ACI 530.1-02 Section	Specific Requirements
1.4A	Compressive strength 8" block bearing walls F'm = 1500 psi
2.1	Mortar ASTM C 270, Type N, UNO
2.2	Grout ASTM C 476, admixtures require approval
2.3	CMU standard ASTM C 90-02, Normal weight, Hollow, medium surface finish, 8"x8"x16" running bond and 12"x12" or 16"x16" column block
2.3	Clay brick standard ASTM C 216-02, Grade SW, Type FBS, 5.5"x2.75"x11.5"
2.4	Reinforcing bars, #3 - #11 ASTM 615, Grade 40, F _y = 40 ksi, Lap splices min 40 bar dia. (25" for #5)
2.4F	Coating for corrosion protection Anchors, sheet metal ties completely embedded in mortar or grout. ASTM A525, Class 550, 0.60 oz/lb or 30MSS
2.4F	Coating for corrosion protection Joint reinforcement in walls exposed to moisture or wire ties, anchors, sheet metal ties not completely embedded in mortar or grout. ASTM A153, Class B2, 1.50 oz/lb or 30MSS
3.3.E.2	Pipes, conduits, and accessories Any not shown on the project drawings require engineering approval.
3.3.E.7	Movement joints Contractor assumes responsibility for type and location of movement joints if not detailed on project drawings.



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



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

- FOUNDATION NOTES**
- FN-1 DIMENSIONS ON FOUNDATION & STRUCTURAL SHEETS ARE NOT EXACT. REFER TO ARCHITECTURAL PLANS FOR ACTUAL DIMENSIONS, RECESSES IN SLAB, STEP-DOWNS, ETC. DISOSWAY DESIGN GROUP OR MARK DISOSWAY, P.E. IS NOT RESPONSIBLE FOR DIMENSION ERRORS ON THIS PLAN.
 - FN-2 CONTRACTOR SHALL VERIFY NEED FOR INTERIOR BEARING IN ALL AREAS BY REVIEWING THE ROOF TRUSS PLAN (BY THE SUPPLIER) BEFORE FINALIZING FOUNDATION PLAN.
 - FN-3 THE SLAB SHALL BE 4" CONCRETE SLAB REINFORCED W/ 6X6-1'4" WELDED WIRE MESH PLACED ON CHAIRS @ 1" DEPTH OR FIBER MESH CONCRETE, 6-MIL POLY VAPOR BARRIER w/ #1 LAPS SEALED w/ POLY TAPE OVER TERMITICIDE TREATED & COMPACTED FILL. (ALSO, ANY OTHER CODE APPROVED TERMITICIDE TREATMENT METHOD CAN BE USED INSTEAD.)

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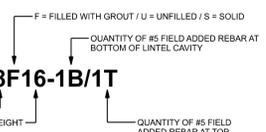
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S-2
 OF 9 SHEETS

TYPE DESIGNATION



MATERIALS

1. Fc 8" precast lintel = 3500 psi
2. Fc prestressed lintel = 6000 psi
3. Grout per ASTM C476 Fc = 3000 psi w/ maximum 3/8 inch aggregate & 8 to 11 inch slump
4. Concrete Masonry Units (CMU) per ASTM C90 w/ minimum net area compressive strength = 1900 psi
5. Rebar per ASTM A615 grade 60
6. Prestressing strand per ASTM A416 grade 270 low relaxation
7. Mortar per ASTM C270 type M or S

GENERAL NOTES

1. Provide full mortar bed and head joints.
2. Shore filled lintels as required.
3. Installation of lintel must comply with the architectural and/or structural documents.
4. U Lintels are manufactured with 5 1/2" long notches at the ends to accommodate vertical cell reinforcing and grouting.
5. All lintels meet or exceed L/360 deflection, except lintels 17'-4" and longer with a nominal height of 8" meet or exceed L/180 deflection.
6. Bottom field added rebar to be located at the bottom of the lintel cavity.
7. 7/32" diameter wire stirrups are welded to the bottom steel for mechanical anchorage.
8. Cast-in-place concrete may be provided in composite lintel in lieu of concrete masonry units.
9. Safe load rating based on rational design analysis per ACI 318 and ACI 530
10. Product Approvals: Miami-Dade County, Florida No. 03-0606-05
11. The exterior surface of lintels installed in exterior concrete masonry walls shall have a coating of stucco applied in accordance with ASTM C-296 or other approved coating.
12. Lintels loaded simultaneously with vertical (gravity or uplift) and horizontal (lateral) loads should be checked for the combined loading with the following equation:
Applied vertical load + Applied horizontal load / Safe vertical load + Safe horizontal load ≤ 1.0
13. Additional lateral load capacity can be obtained by the designer by providing additional reinforced concrete masonry above the lintel. See detail at right.

SAFE LOAD TABLE NOTES

1. All values based on minimum 4 inch nominal bearing.
- Exception: Safe loads for unfilled lintels must be reduced by 20% if bearing length is less than 6 1/2 inches.
2. N.R. = Not Rated
3. Safe loads are superimposed allowable loads.
4. Safe loads based on grade 40 or grade 60 field rebar.
5. One #7 rebar may be substituted for two #5 rebars in 8" lintels only
6. The designer may evaluate concentrated loads from the safe load tables by calculating the maximum resisting moment and shear at d/4-way from face of support.
7. For composite lintel heights not shown, use safe load from next lower height shown.
8. For lintel lengths not shown, use safe load from next longest length shown
9. All safe loads in units of pounds per linear foot
10. All safe loads based on simply supported span.
11. The number in the parenthesis indicates the percent reduction for grade 40 field added rebar.
Example 7'-6" lintel type 8F32-1B safe gravity load = 6472(40)0.469(15)H0.0781; w/ 15% reduction 6472 = (.85) = 5501 plf

SAFE GRAVITY LOADS FOR 8" PRECAST & PRESTRESSED U-LINTELS

LENGTH	TYPE	SAFE LOAD - POUNDS PER LINEAR FOOT							
		8U8	8F8-0B	8F12-0B	8F16-0B	8F20-0B	8F24-0B	8F28-0B	8F32-0B
2'-10" (34")	PRECAST	2231	3069	4605	6113	7547	8974	10394	11809
3'-6" (42")	PRECAST	2231	3069	4605	6113	7547	8974	10394	11809
4'-0" (48")	PRECAST	1966	2561	3751	5020	6289	7558	8827	10096
4'-6" (54")	PRECAST	1599	1969	2110	2931	3753	4576	5400	6224
5'-4" (64")	PRECAST	1217	1349	1438	1999	2560	3123	3686	4249
5'-10" (70")	PRECAST	1062	1653	3090	5385	7547(36)	9709(36)	11871(36)	14023(36)
6'-6" (78")	PRECAST	908	699	1160	1625	2054	2486	2919	3352
7'-6" (90")	PRECAST	743	1011	1729	2661	3698	4735	5772	6809
9'-4" (112")	PRECAST	554	752	1245	1843	2564	3286	4007(5)	4728(20)
10'-6" (126")	PRECAST	475	535	890	1247	2093	2777	3461	4145
11'-4" (136")	PRECAST	362	582	945	1366	1846	2423	3000	3577
12'-0" (144")	PRECAST	337	540	873	1254	1684	2193	2703	3212
13'-4" (160")	PRECAST	276	471	755	1075	1428	1838	2316	2883
14'-0" (168")	PRECAST	219	424	706	1002	1326	1697	2127	2630
14'-8" (176")	PRESTRESSED	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.
15'-4" (184")	PRESTRESSED	N.R.	412	710	1250	1733	2058	2320	2513
17'-4" (208")	PRESTRESSED	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.
19'-4" (232")	PRESTRESSED	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.
21'-4" (256")	PRESTRESSED	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.
22'-0" (264")	PRESTRESSED	N.R.	165	315	550	784	1047	1285	1399
24'-0" (288")	PRESTRESSED	N.R.	129	250	450	654	884	1092	1222

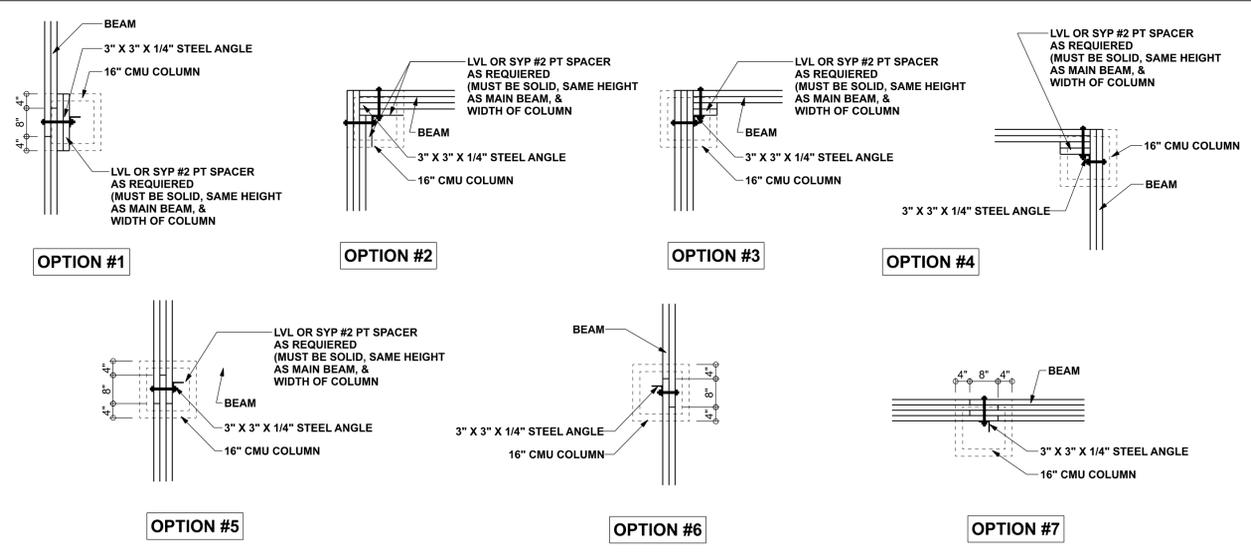
SAFE GRAVITY LOADS FOR 8" PRECAST w/ 2" RECESS DOOR U-LINTELS

LENGTH	TYPE	SAFE LOAD - POUNDS PER LINEAR FOOT							
		8RU5	8RF6-0B	8RF10-0B	8RF14-0B	8RF18-0B	8RF22-0B	8RF26-0B	8RF30-0B
4'-4" (52")	PRECAST	1635	1749	3355	5020	6349	7671	9003	10335
4'-6" (54")	PRECAST	1494	1598	3063	3922	3968	4945	5924	6904
5'-10" (70")	PRECAST	810	1167	2481	4567	6389	8060(14)	9717(14)	11381(14)
6'-8" (80")	PRECAST	797	859	1653	1900	2124	2649	3174	3700
7'-6" (90")	PRECAST	669	1113	2342	4242	6039	8060(106)	10202(106)	12344(106)
9'-8" (116")	PRECAST	411	901	1825	3120	5048	7747	10448	13160
			755	1490	2459	3776	5743	7339	8623
			755	1490	2459	3776	5743	8998(118)	10893(144)
			466	999	1568	2253	3129	4091	5146
			526	999	1568	2253	3129	4150	5891(12)

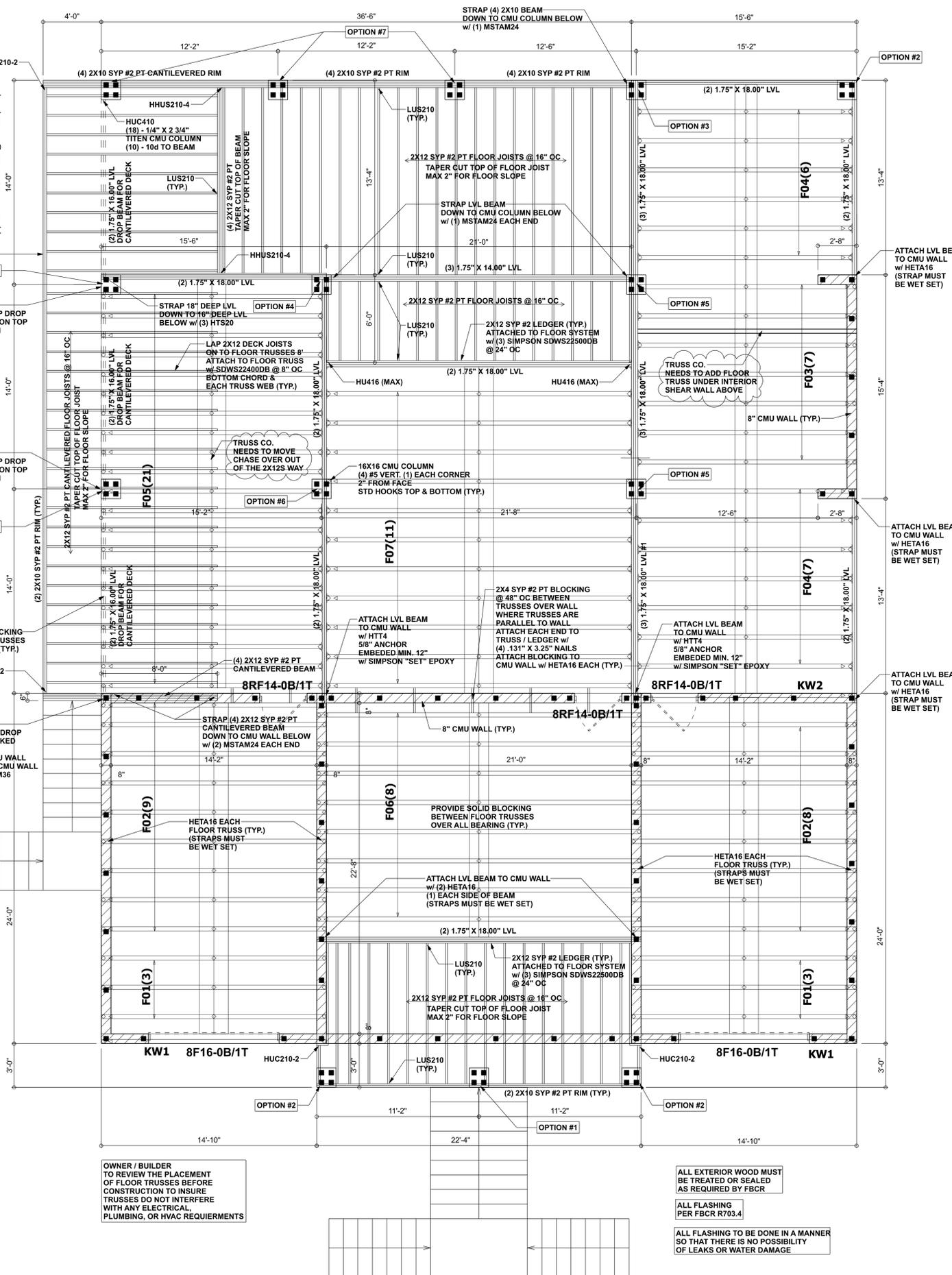
ALL EXTERIOR WOOD MUST BE TREATED OR SEALED AS REQUIRED BY FBCR

ALL FLASHING PER FBCR R703.4

ALL FLASHING TO BE DONE IN A MANNER SO THAT THERE IS NO POSSIBILITY OF LEAKS OR WATER DAMAGE



BEAM SPLICE & STEEL ANGLE LOCATION DETAILS



GROUND FLOOR STRUCTURAL PLAN & 1ST FLOOR FRAMING

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

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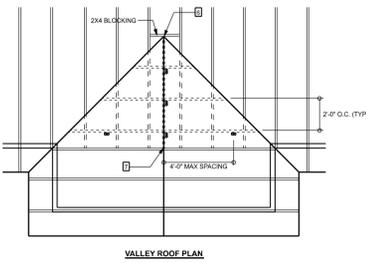
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S-2.1
OF 9 SHEETS

LUMBER SIZE & GRADE MINIMUM REQUIREMENTS

ROOF BOARD	2X6 SYP #2
RAFTER SPANS 24" OR LESS	2X4 SYP #2
PURLINS (LATERAL BRACING)	2X4 SYP #2
BLEEDERS	2X4 SYP #2
CRIPPLES & BLOCKING	2X4 SYP #2 OR BETTER
TRUSS BELOW	SEE TRUSS DESIGN - SOUTHERN PINE MATERIAL



CONNECTION REQUIREMENT NOTES

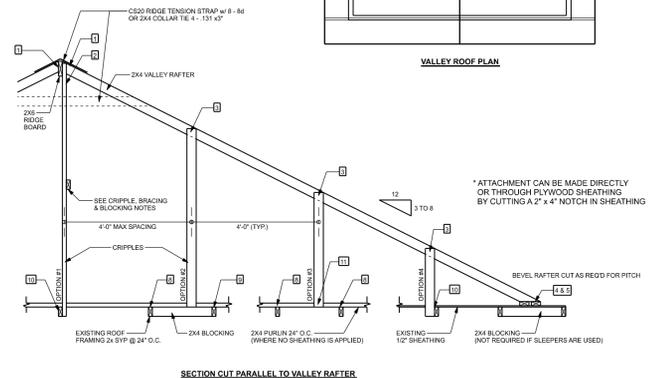
- 2X4 RAFTERS TO RIDGE 4-131 x 3" TOE NAILS
- CRIPPLE TO RIDGE 4-131 x 3" FACE NAILS
- CRIPPLE TO RAFTERS 4-131 x 3" FACE NAILS
- RAFTER TO BLEEDER OR BLOCKING 4-131 x 3" TOE NAILS
- BLEEDER TO TRUSS 4-131 x 3" FACE NAILS EACH TRUSS
- RIDGE BOARD TO ROOF BLOCK 4-131 x 3" TOE NAILS
- RIDGE BOARD TO TRUSS 4-131 x 3" TOE NAILS
- PURLIN TO TRUSS (TYP) 4-131 x 3" NAILS
- PURLIN TO TRUSS IF CRIPPLE IS ATTACHED TO PURLIN 4-131 x 3" NAILS
- TRUSS TO BLOCKING 4-131 x 3" END NAILS
- CRIPPLE TO TRUSS 4-131 x 3" FACE NAILS
- CRIPPLE TO PURLIN 4-131 x 3" FACE NAILS

GENERAL NOTES

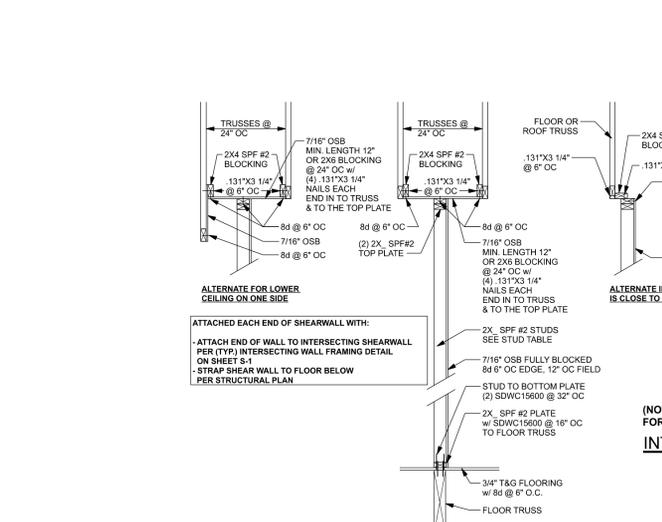
MAXIMUM RAFTER SPAN: 6'0" FOR 2X4 SYP #2 OR SYP #2
 MAXIMUM ROOF AREA PER SUPPORT: 150 SQ. FT. IN ONE ZONE (EXAMPLE: 4'-0" O.C. X 4'-0" SPN * 150' OR 2'-0" X 4'-0" SPAN * 150)
 PURLIN REQUIRED: 24" O.C. IF EXISTING SHEATHING IS REMOVED, PURLIN SHOULD OVERLAP SHEATHING ONE TRUSS SPACING MINIMUM IN CASES THAT THIS IS IMPRACTICAL, OVERLAP SHEATHING MINIMUM 2'-0". AND NAIL UPWARDS THROUGH SHEATHING INTO PURLIN WITH MINIMUM 4-131 COMMON WIRE NAILS

CRIPPLE BRACING & BLOCKING NOTES

2X4 CONTINUOUS LATERAL BRACE (CLB) MIN. IS REQUIRED FOR CRIPPLES 6'-0" TO 10'-0" LONG NAIL END 2-180 NAILS OR 2X4 1" OR SCAB BRACE NAIL TO EDGE OF CRIPPLE WITH MIN NAILS @ 12" O.C. 1" OR SCAB MUST BE 80% OF CRIPPLE LENGTH CRIPPLES OVER 10'-0" LONG REQUIRE TWO CLBS OR BOTH FRAMES 1" OR SCAB USE STRESS GRADED LUMBER 2x8 OR COMMON NAIL NARROW EDGE OF CRIPPLE CAN FACE RIDGE OR RAFTER, AS LONG AS CRIPPLE IS FULLY BLOCKED WITH MIN. LUMBER



ROOF OVER FRAMING & BRACING DETAIL
SCALE: N.T.S.



STRUCTURAL PLAN NOTES

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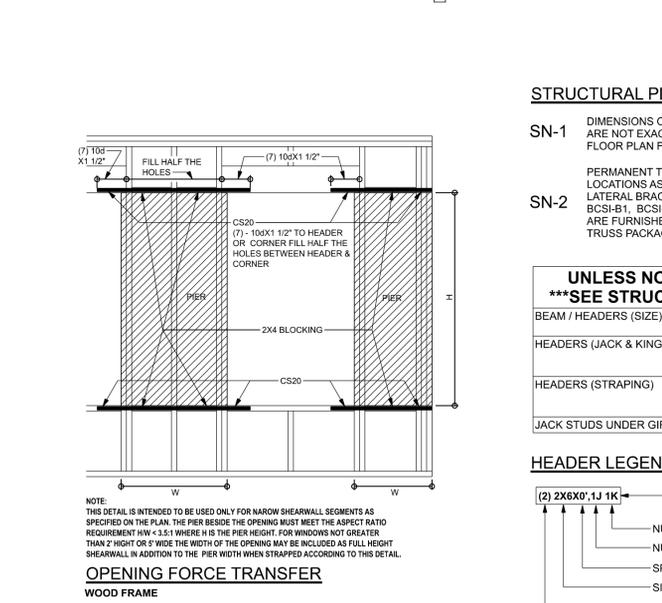
SN-2 PERMANENT TRUSS BRACING IS TO BE INSTALLED AT LOCATIONS AS SHOWN ON THE SEALED TRUSS DRAWINGS. LATERAL BRACING IS TO BE RESTRAINED PER BCSI-03, BCSI-B1, BCSI-B2, & BCSI-B3. BCSI-B1, BCSI-B2, & BCSI-B3 ARE FURNISHED BY THE TRUSS SUPPLIER, WITH THE SEALED TRUSS PACKAGE

UNLESS NOTED OTHERWISE (MINIMUM REQUIREMENTS) *SEE STRUCTURAL PLAN FOR ANY SPECIFIC CALL OUTS*****

BEAM / HEADERS (SIZE)	ALL LOAD BEARING FRAME WALL & PORCH HEADERS SHALL BE A MINIMUM OF (2) 2X6 SPF #2 (U.N.O.)
HEADERS (JACK & KING STUDS)	ALL LOAD BEARING FRAME WALL HEADERS SHALL HAVE (1) JACK STUD & (1) KING STUD EACH SIDE (U.N.O.)
HEADERS (STRAPING)	ALL HEADERS w/ UPLIFT TO BE STRAPPED DOWN @ EACH SIDE WITH (1) SP#6 ON KING STUD @ TOP OF WALL & (1) MSTA24 STRAP FROM KING STUD TO RIM BEAM BOTTOM
JACK STUDS UNDER GIRDER TRUSS	USE ONE JACK STUD GIRDER SUPPORT PER 2000 LB LOAD

HEADER LEGEND

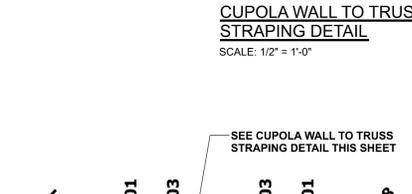
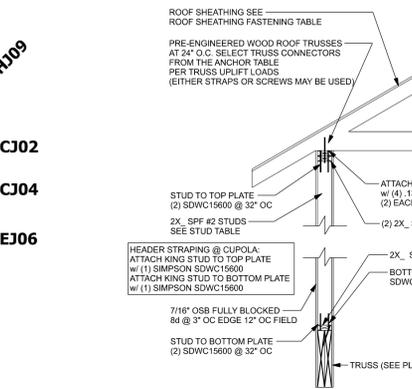
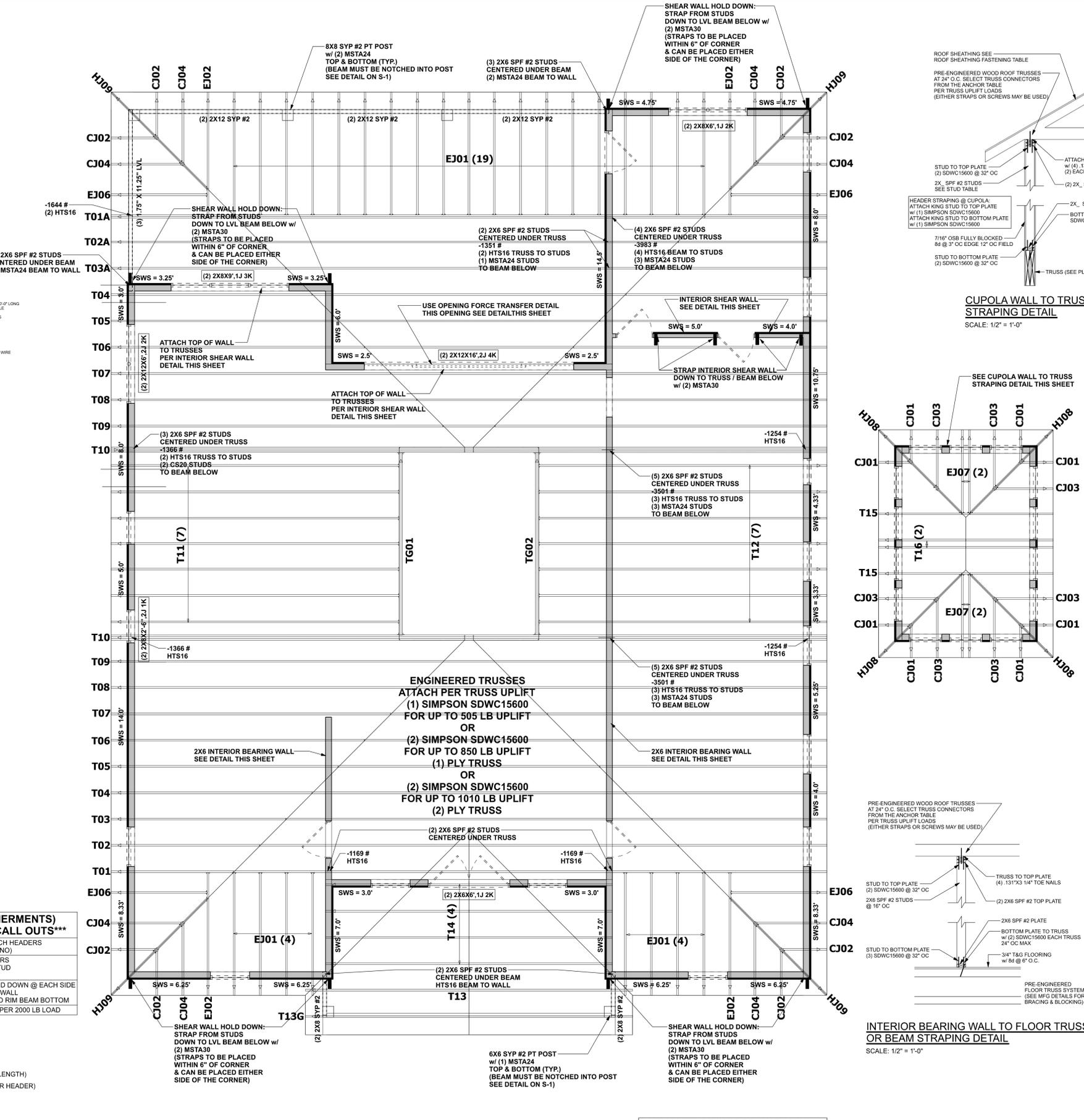
(2) 2X6X6' .1J 1K	HEADER/BEAM CALL-OUT (U.N.O.)
(2) 2X6X6' .1J 1K	NUMBER OF KING STUDS EACH SIDE OF OPENING (FULL LENGTH)
(2) 2X6X6' .1J 1K	NUMBER OF JACK STUDS EACH SIDE OF OPENING (UNDER HEADER)
(2) 2X6X6' .1J 1K	SPAN OF HEADER
(2) 2X6X6' .1J 1K	SIZE OF HEADER MATERIAL
(2) 2X6X6' .1J 1K	NUMBER OF PLIES IN HEADER



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

ACTUAL vs REQUIRED SHEARWALL

	TRANSVERSE	LONGITUDINAL
ACTUAL	14750 LBF	28036 LBF
REQUIRED	13642 LBF	9828 LBF



Corey Amira Custom Homes
Caruthers Res.

PROJECT ADDRESS:
Fort White, FL 32038

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

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CERTIFICATION: I hereby certify that I have examined this plan, and that the applicable portions of the plan, relating to wind engineering comply with the 8th Edition Florida Building Code Residential (2023) to the best of my knowledge.

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JOB NUMBER:
250555

S-3
OF 9 SHEETS

CONNECTIONS, WALL, & HEADER DESIGN IS BASED ON REACTIONS & UPLIFTS FROM TRUSS ENGINEERING FURNISHED BY BUILDER. BUILDERS FIRST SOURCE JOB #2809539