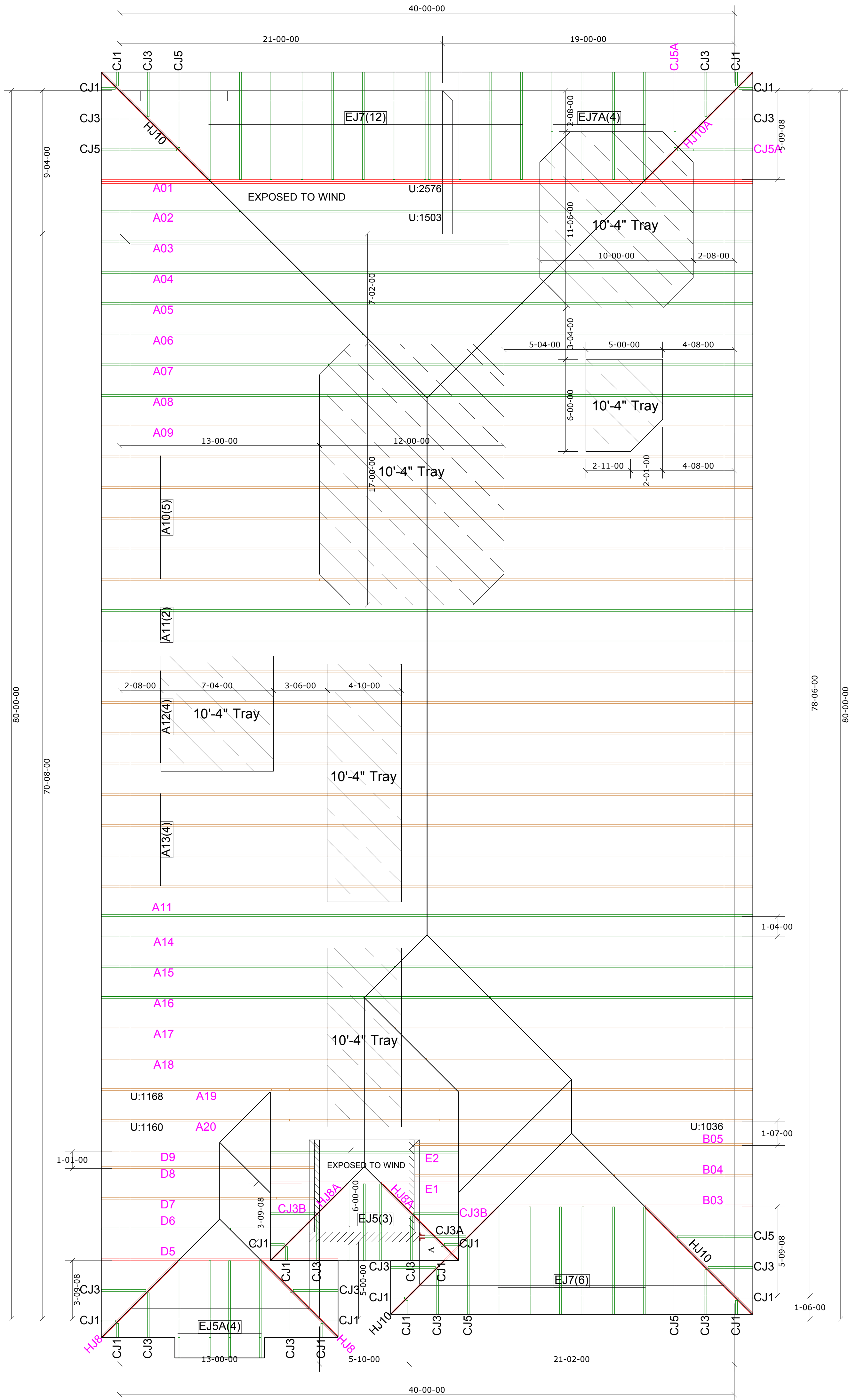
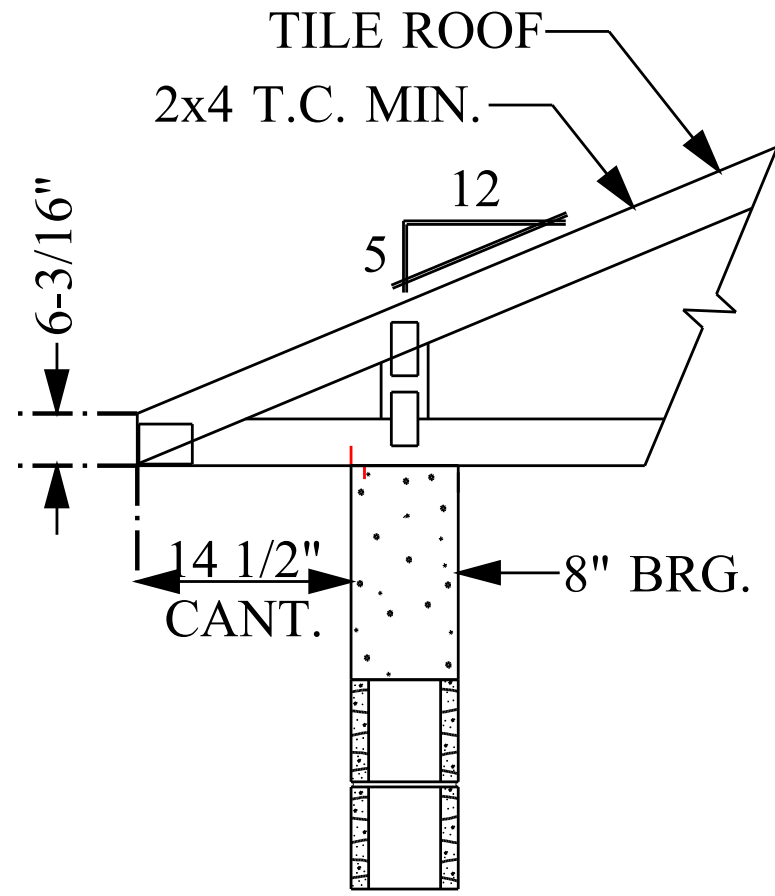




Hatch Legend

13'-11" Bearing



USP ROOF AND FLOOR TRUSS HANGER SCHEDULE							
ID	QTY/RF	QTY/FL	MODEL	FLOOR	ROOF	UPLIFT	SYMBOL
A*	0	0	JUS24	725	895	490	J A*
A	1	0	THD26	2940	3200 / 3600	1250 / 1555	J A
B	0	0	THD28	3820	3895 / 4680	1235 / 2140	J B
C	0	0	THD26-2	2940	3600	1515 / 2175	J C
D	0	0	THD28-2	3820	4310 / 4680	1530 / 3485	J D
E	0	0	THDH26-2	4355	5320	2155	J E
F	0	0	THDH28-2	7460	7460	3235	J F
G	0	0	THDH26-3	4355	5230	2155	J G
H	0	0	THDH28-3	7460	7460	3235	J H
I	0	0	THDH6710	9100	9100	4095	J I
J	0	0		865	1055	765	J J
K	0	0		865	1055	765	J K
L	0	0		1440	1760	1250	J L
M	0	0		1440	1760	1250	J M
N	0	0		2680	3265	960	J N
O	0	0	HJC26	2385	2980	1840	J O
P	N/A	0	THD46	2790	3410	1550	J P
Q	N/A	0	MSH422	2245	2245	1855	J Q
R	N/A	0	MSH422IF	2245	2245	1855	J R
S	N/A	0	MSH426	2435	2435	1855	J S
NOTE: UPLIFT VALUE FOR THA422, THA422, THA426 HANGERS APPLY ONLY TO FACE MOUNT INSTALATION							
(1) PLY	(1) PLY	(2) PLY	(3) PLY	CORNER HIP	CORNER HIP	(1) PLY FLR. TRUSS	(1) PLY FLR. TRUSS
JUS24	THD26, THD28	THD26-2, THD28-2	THD26-3, THD28-3		HJC26	THD46	MSH422, MSH426
		THD26-2, THD28-2	THD26-3, THD28-3				MSH422IF SIMILAR

VERIFY ALL DIMENSIONS AND CEILING CONDITIONS PRIOR TO APPROVAL
SOME CEILING FRAMING REQUIRED IN FIELD BY BUILDER

MAIN WIND FORCE RESISTING SYSTEM-G-C HYBRID WIND ASCE7-10
ENCLOSED
EXPOSURE CATEGORY C
OCCUPANCY CATEGORY II
WIND LOAD 160 MPH
WIND IMPORTANCE FACTOR 1.00
TRUSSES HAVE BEEN DESIGNED FOR A 10.0 PSF BOTTOM CHORD LIVE LOAD
NONCONCURRENT WITH ANY OTHER LIVE LOADS

ROOF LOADING		FLOOR LOADING	
TCLL:	20 PSF	TCLL:	40 PSF
TCDL:	20 PSF	TCDL:	10 PSF
BCDL:	10 PSF	BCDL:	5 PSF
TOTAL:	50 PSF	TOTAL:	55 PSF
DURATION:	1.25	DURATION:	1.00

IMPORTANT

This Drawing Must Be Approved And Returned Before Fabrication Will Begin. For Your Protection Check All Dimensions And Conditions Prior To Approval Of Plan.
SIGNATURE BELOW INDICATES ALL NOTES AND DIMENSIONS HAVE BEEN ACCEPTED.

By _____ Date _____

CAUTION!!!

DO NOT ATTEMPT TO ERECT TRUSSES WITHOUT REFERRING TO THE ENGINEERING DRAWINGS AND BSCI-B1 SUMMARY SHEETS.

ALL PERMANENT BRACING MUST BE IN PLACE PRIOR TO LOADING TRUSSES. (ie. SHEATHING, SHINGLES, ETC.)

ALL INTERIOR BEARING WALLS MUST BE IN PLACE PRIOR TO INSTALLING TRUSSES.

REFER TO FINAL ENGINEERING SHEETS FOR THE FOLLOWING.

- 1) NUMBER OF GIRDER PLIES AND NAILING SCHEDULE.
- 2) BEARING BLOCK REQUIREMENTS.
- 3) SCAB DETAILS (IF REQUIRED)
- 4) UPLIFT AND GRAVITY REACTIONS.

WARNING
Backcharges Will Not Be Accepted Regardless of Fault Without Prior Notification By Customer Within 48 Hours And Investigation By ProBuild.
NO EXECPTIONS.

The General Contractor Is Responsible For All Connections Other Than Truss to Truss, Gable Shear Wall, And Connections. Temporary and Permanent Bracing, And Ceiling And Roof Diaphragm Connections.

ROOF PITCH: 5/12
CEILING PITCH: 0/12
TOP CHORD SIZE: 2 X 4
BOTTOM CHORD SIZE: 2 X 4
OVERHANG LENGTH: 14 1/2"
END CUT: Plumb
CANTILEVER: 14 1/2"
TRUSS SPACING: 24"
BUILDING CODE: FRC2017

BEARING HEIGHT SCHEDULE

BUILDER:

DR. Horton

PROJECT: 2431 M RH

MODEL: 2431 M

ADDRESS: .

LOT / BLOCK: .

SUBDIVISION: .

CITY: .

DRAWN BY: D.W.

JOB #: MASTER

DATE: 03/06/18 SCALE: 1/4"=1'-0" Arch D

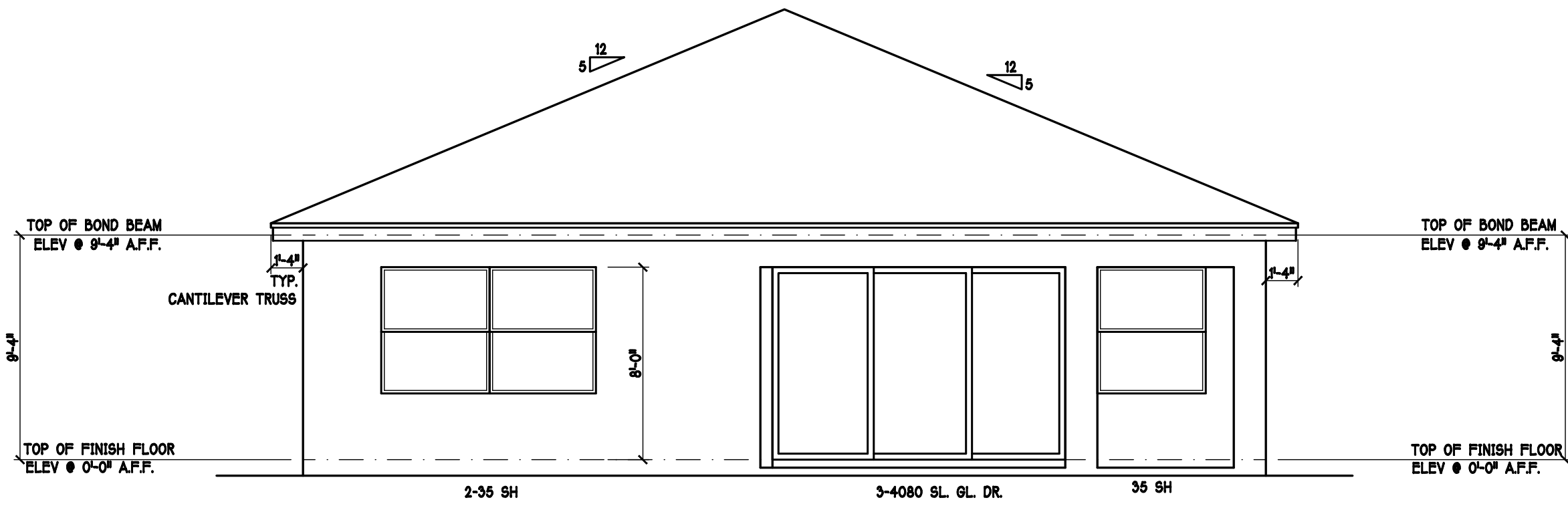
PLAN DATE: 03/14/14

REVISIONS:

1. Remove Interior Bearing 09/15
2. Updated Block. 04/07/17
- 3.
- 4.

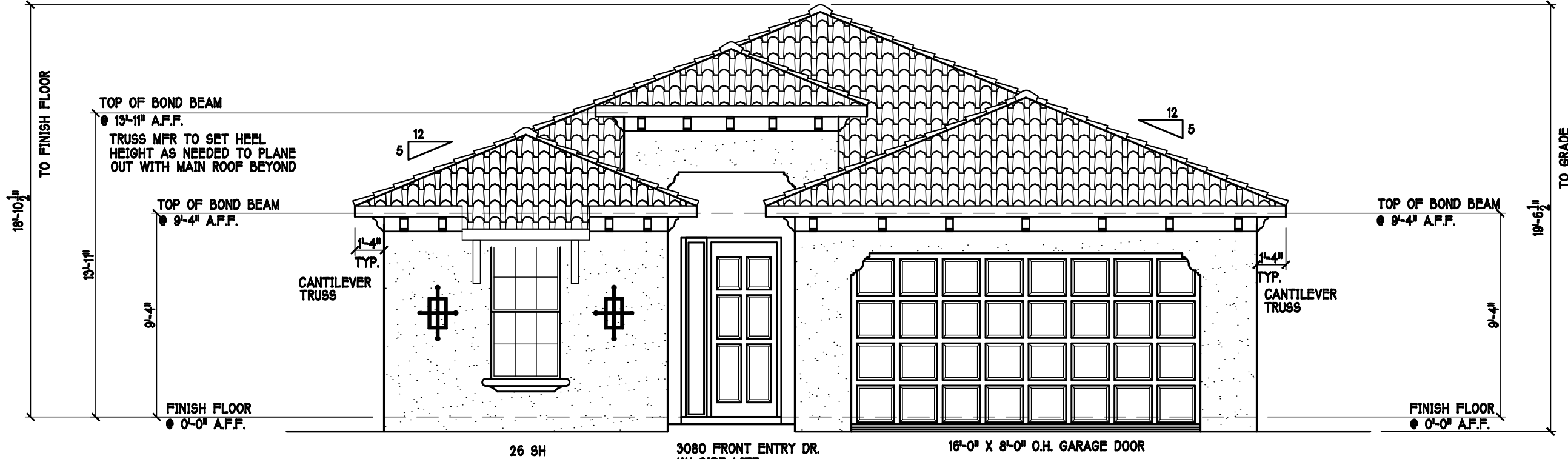


4408 Airport Road
Plant City, FL 33563
Ph. (813) 305-1300
Fax (813) 305-1301



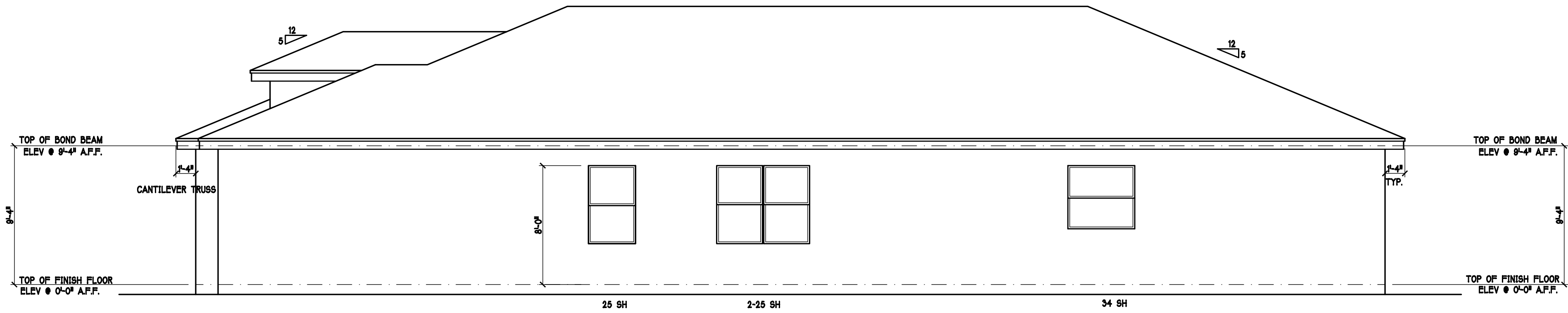
REAR ELEVATION: "M"

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



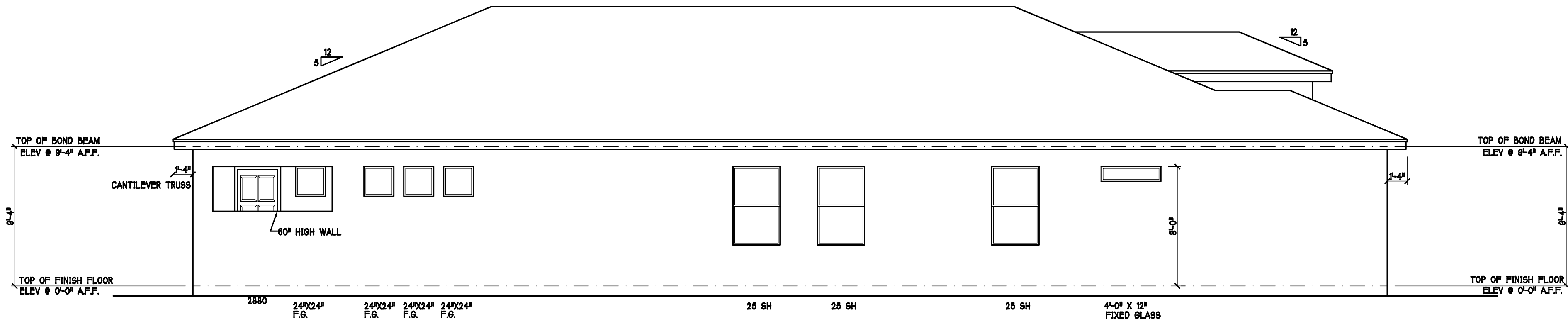
FRONT ELEVATION: "M"

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



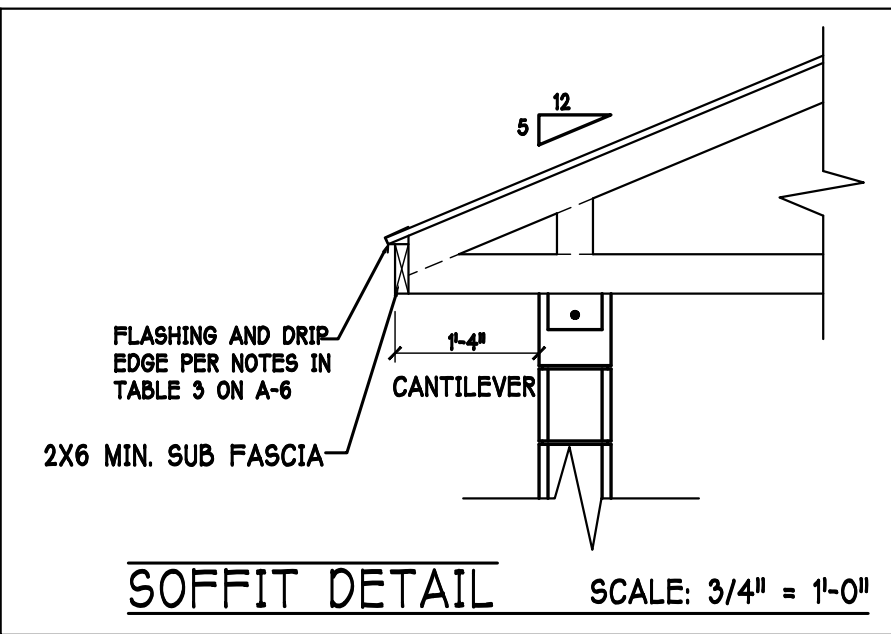
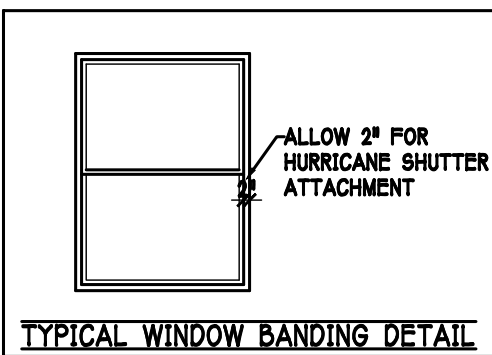
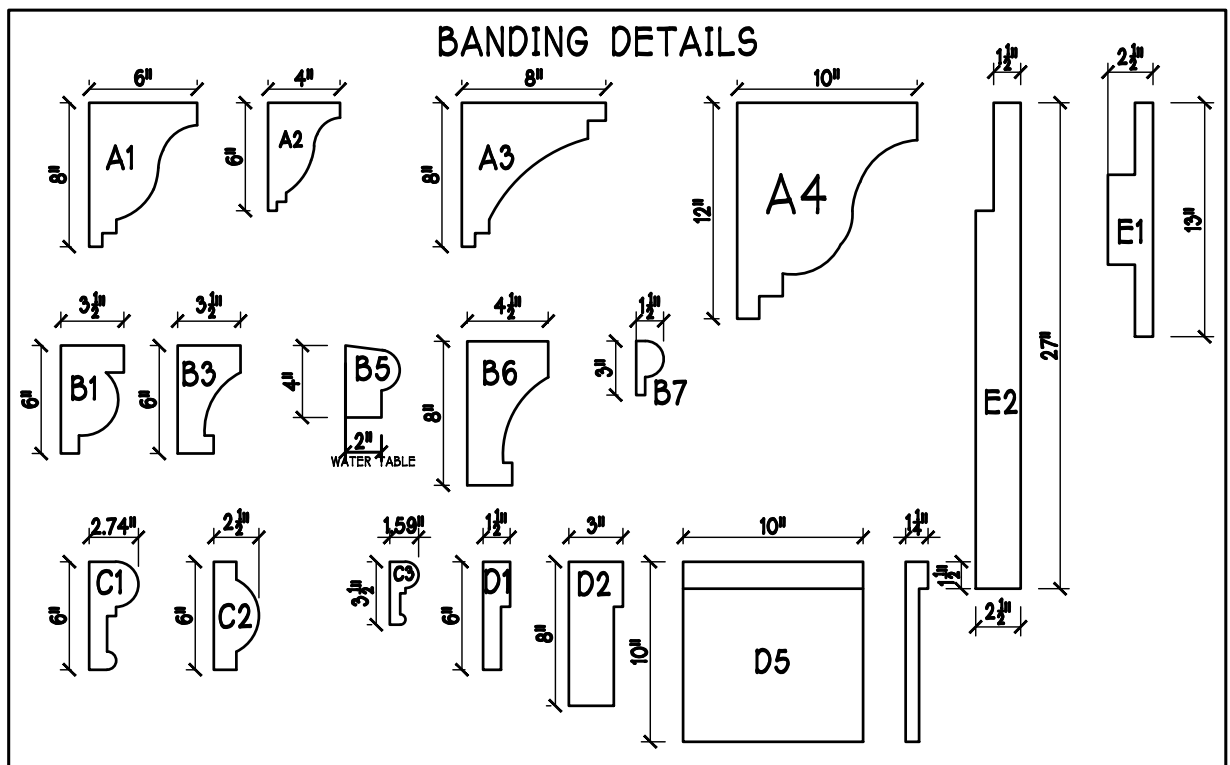
RIGHT SIDE ELEVATION: "M"

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



LEFT SIDE ELEVATION: "M"

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



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FLORIDA BUILDING CODE- 6TH EDITION

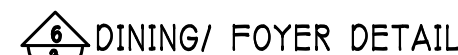
D.R. HORTON
America's Builder

Gulf Coast Drafting
& Design
Phone (239) 540-1822
Fax (239) 540-7759

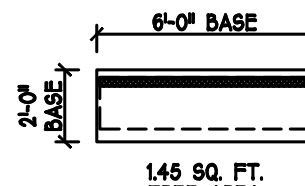
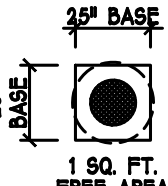
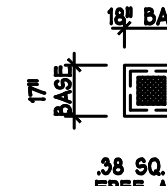
LOT: 3 BLOCK :
SUBDIV: BARRINGTON COVE
ADDRESS: 16350 BARCLAY COURT
G.C.D.# : 10515 D.R.H.# : 578140003
MODEL: UNIT 2431
RESIDENCE FOR: SPEC

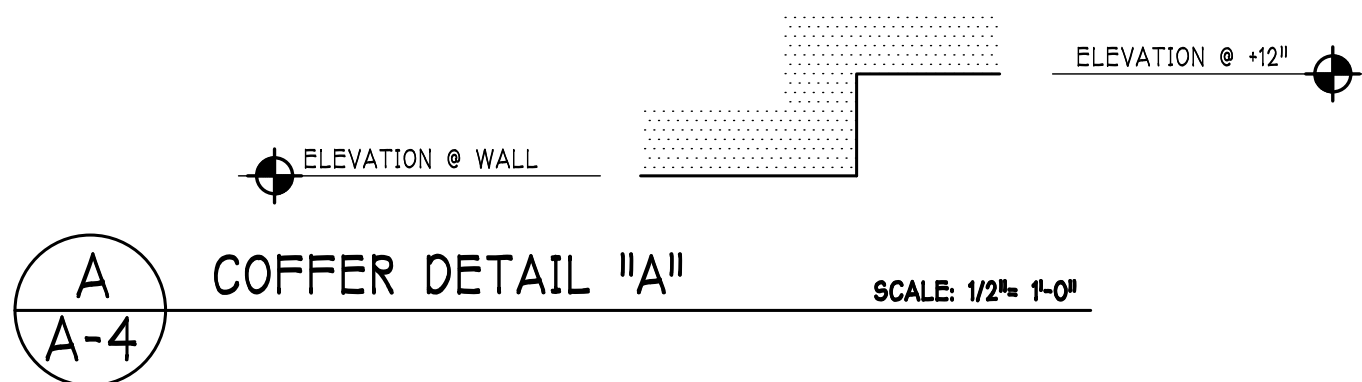
DATE: 09-05-18
DRAWN BY: JSL
CHECKED BY: JWC
REVISED:
PLAN: ELEVATIONS
SCALE: 3/16" = 1'-0"
SHEET#

A-1 M

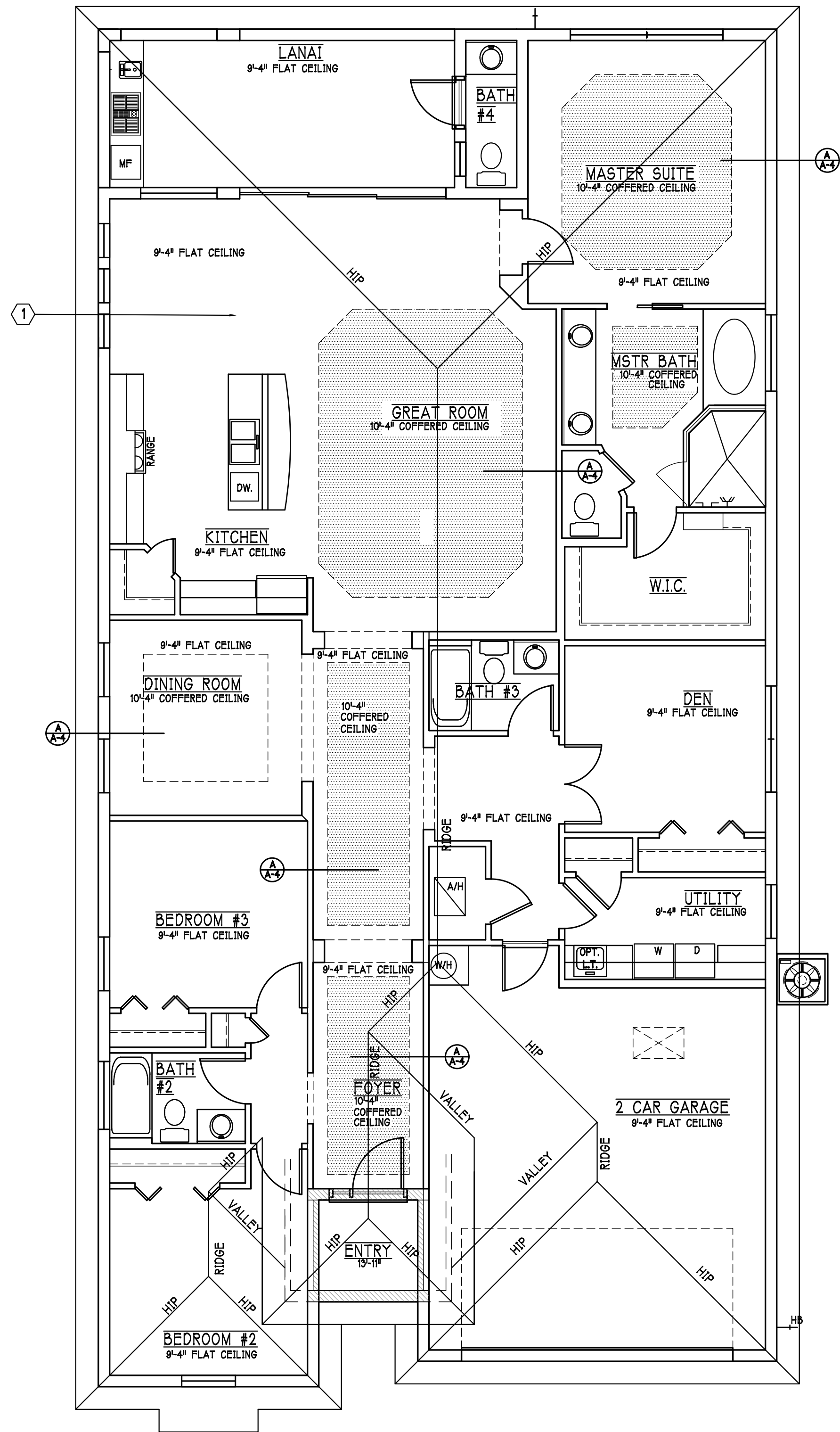


1st FLOOR PLAN: SCALE: 3/16" = 1'-0"

ATTIC VENTILATION						
verify venting requirements with energy calculations		WITHOUT OFF RIDGE VENTS		WITH OFF RIDGE VENTS (O.R.V.)		
ATTIC AREA (FBC R806)		VENTILATION REQUIRED (ATTIC AREA 1/150)		VENTILATION REQUIRED (ATTIC AREA 1/300 INSTALL PER FBC R806.2 MINIMUM AREA REQUIREMENTS)		
mark	square footage	soffit vents	MIN AIR FLOW OF SOFFIT	total ventilation	off ridge vents	MIN AIR FLOW OF SOFFIT
①	3138 SQ. FT.	20.9 SQ. FT.	6.0%	O.R.V. NOT USED		
		ATTIC VENTILATION CALCULATION: attic sq. ft. / 150 = vented sq. ft.		ATTIC VENTILATION CALCULATION: attic sq. ft. / 300 = vented sq. ft.		
						
						
OFF RIDGE EXHAUST VENT SIZES (AREA NET FREE SQUARE FEET) SCALE: 1/4"=1'-0"						



BEARING HEIGHTS	
	= BEARING @ 9'-4" A.F.F.
	= BEARING @ 13'-11"



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FLORIDA BUILDING CODE- 6TH EDITION

D.R. HOUGHTON 
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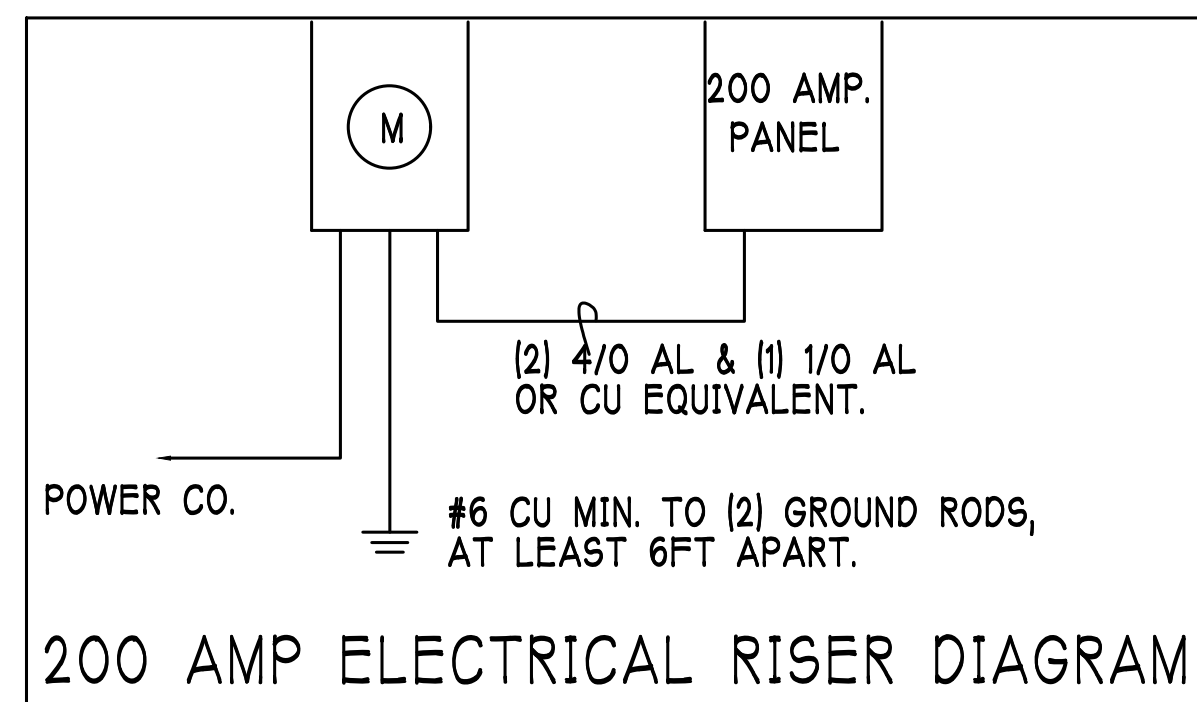
Gulf Coast Drafting
& Design
Phone (239) 540-1822
Fax (239) 540-7759

LOT: 3 BLOCK: SUBDIV: BARRINGTON COVE
ADDRESS: 16350 BARCLAY COURT
G.C.D.#: 10515 D.R.H.#: 578140003

MODEL: UNIT 2431
RESIDENCE FOR: SPEC

DATE: 09-05-18
DRAWN BY: JSL
CHECKED BY: JWC
REVISED:
PLAN: ROOF & CEILING
SCALE: 3/16"=1'-0"
SHEET#
A-4M

200 Amp Service			
TAG	QUANTITY	PRODUCT	
A	(25)	Recessed Cans	
B	(4)	Vapors	
C	(1)	Pendant/Nook	
D	(X)	10" Mushrooms	
E	(3)	24" 3 LT	
F	(2)	36" 4 LT	
G	(X)	NOT USED	
H	(3)	Coach Lights	
J	(X)	Coach Lights	
K	(X)	J BOX	
L	(4)	4' Fluorescent	
M	(3)	2' Fluorescent	
N	(X)	5lt Chandelier	
O	(1)	3 LT	
P	(3)	Pendant Light	

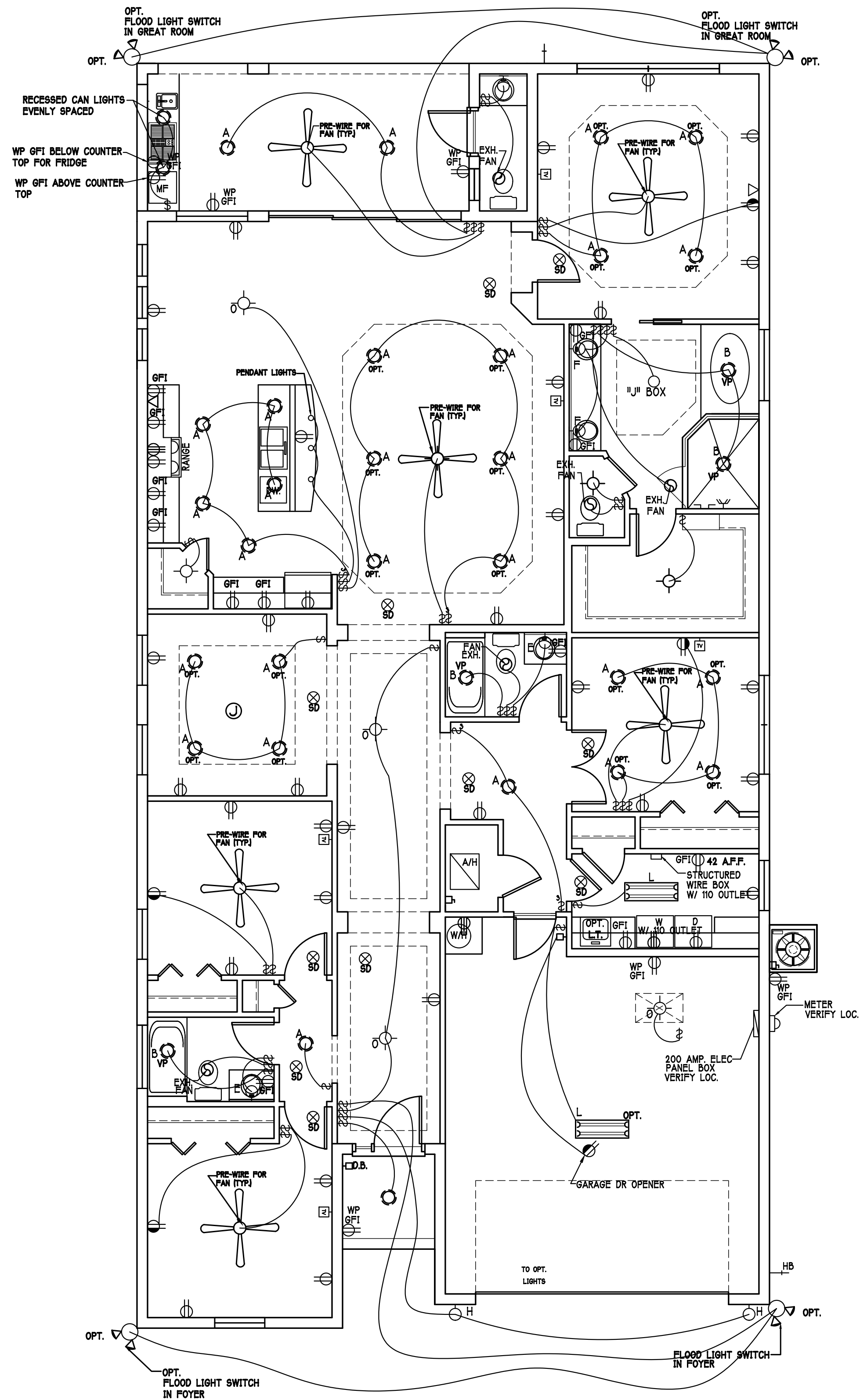


	ELECTRICAL METER
	ELECTRICAL PANEL
	10 V JUNCTION BOX
	SINGLE RECEPTACLE OUTLET
	230 V RECEPTACLE OUTLET
	4-PLEX RECEPTACLE OUTLET
	DUPLEX RECEPTACLE OUTLET
	1/2 SWITCHED DUPLEX OUTLET
	DUPLEX RECEPTACLE 8 ELEV. A.F.F.
	TIMER SWITCH
	GFI SWITCH
	DIMMER SWITCH
	3 WAY SWITCH
	SINGLE POLE SWITCH
	AC/DC SMOKE DETECTOR
	TO BE INTERCONNECTED ANY RESIDENT HAVING A FOSSIL-BURNING HEATER OR APPLIANCE, A FIREPLACE, OR AN ATTACHED GARAGE SHALL HAVE AN SCD CARBON MONOXIDE ALARM INSTALLED WITHIN 10 FEET OF EACH ROOM USED FOR SLEEPING PURPOSES. FIRE RULE 40-50-06-07 SD SMOKE DETECTOR SCD CARBON MONOXIDE/SMOKE DETECTOR
	TELEPHONE OUTLET
	TELEPHONE RECEPTION OUTLET
	SURFACE MOUNTED CEILING LIGHT
	RECESSED LIGHT
	WALL MTD. BRACKET LIGHT
	DUPLEX FLOOD LIGHT
	EXHAUST FAN
	TRACK MTD. LIGHTS
	AIR DISCONNECT
	PUSH BUTTON
	DOOR BELL
	KEYPAD
	4' FLUORESCENT LIGHT
	2' UNDER COUNTER LIGHT

Install Arc-Fault circuit-Interruptioners & Tamper-Resistant Receptacles shall be installed in dwelling unit, per NEC 210.12 & 406.11

All outlets in wet areas and all exterior outlets to be GFI's

INSTALL ALL ELECTRICAL PER NEC 2014



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

FOUNDATION PLAN

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

PLAN NOTES:

- 1) TOP OF GROUND FLOOR SLAB DATUM ELEVATION 0'-0".
- 2) 'F# DENOTES CONTINUOUS WALL FOOTING TYPE PER SCHEDULE THIS SHEET.
- 3) 'F# DENOTES PAD FOOTING AT CONCENTRATED LOADS PER SCHEDULE THIS SHEET.
- 4) PROVIDE #5 VERTICAL REINFORCING AT DOT LOCATIONS SHOWN ON PLAN FROM FOOTING TO BOND BEAM.
- 5) ALL DIMENSIONS ARE TO OUTSIDE FACE OF MASONRY WALLS. SOME SLAB EDGES MAY EXTEND BEYOND FACE OF WALL.
- 6) FOR DIMENSIONS OF ROUGH OPENINGS IN MASONRY WALLS, COORDINATE WITH WINDOW/DOOR SUPPLIER.
- 7) PROVIDE PRESSURE TREATED BUCKS AT WINDOWS / DOORS PER DETAIL 7/S-3.

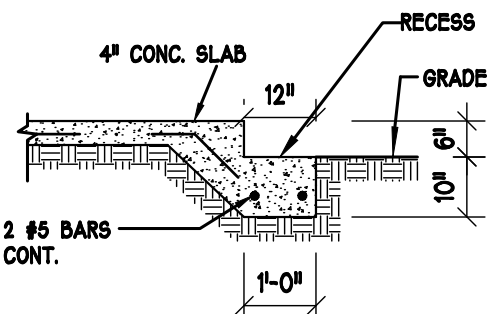
PAD FOOTING SCHEDULE

USE	TYPE	LENGTH	WIDTH	DEPTH	BOTTOM REINF.		REMARKS
					LONG WAY	SHORT WAY	
X	A	2'-6"	2'-6"	1'-0"	3-#5	3-#5	—
X	B	3'-0"	3'-0"	1'-0"	4-#5	4-#5	—
X	C	3'-6"	3'-6"	1'-0"	4-#5	4-#5	—
X	D	4'-0"	4'-0"	1'-2"	5-#5	5-#5	—
X	E	5'-0"	5'-0"	1'-2"	6-#5	6-#5	—

WALL FOOTING SCHEDULE

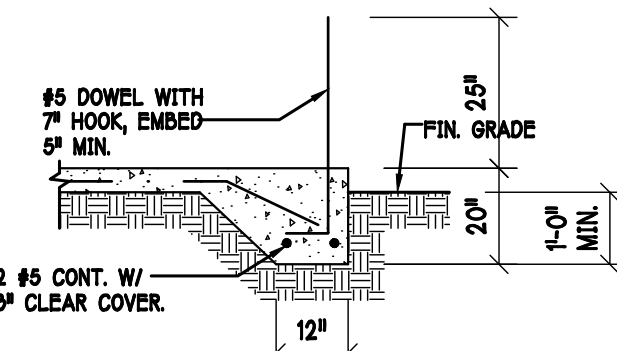
USED	TYPE	LENGTH	WIDTH	DEPTH	BOTTOM REINFORCING	SHAPE
X	F1	CONT.	1'-4"	0'-8"	2-#5	
X	F2	CONT.	1'-8"	0'-10"	2-#5	
X	F3	CONT.	1'-0"	1'-8"	2-#5	
X	F4	CONT.	1'-4"	1'-8"	2-#5	
X	F5	CONT.	1'-4"	1'-0"	2-#5	
X	F6	CONT.	1'-4"	1'-0"	2-#5	
X	F6A	CONT.	8"	8"	1-#5	
X	TE	CONT.	0'-8"	0'-8"	1-#5	

ADD CURB TO GARAGE, SEE DETAIL

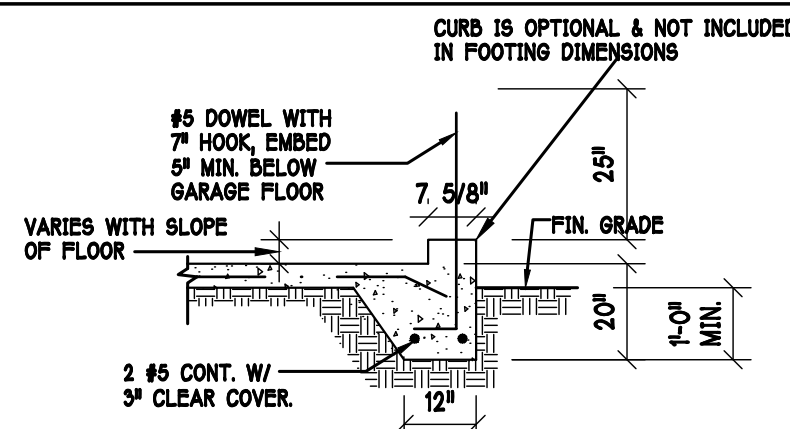


GARAGE DOOR RECESS

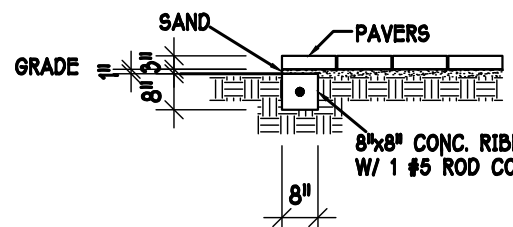
SCALE: 1/2" = 1'-0"



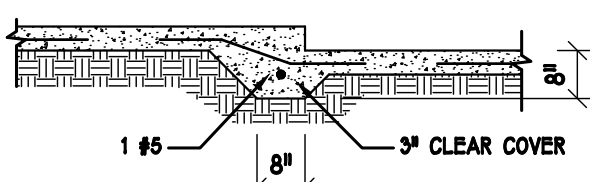
F3 FOOTING



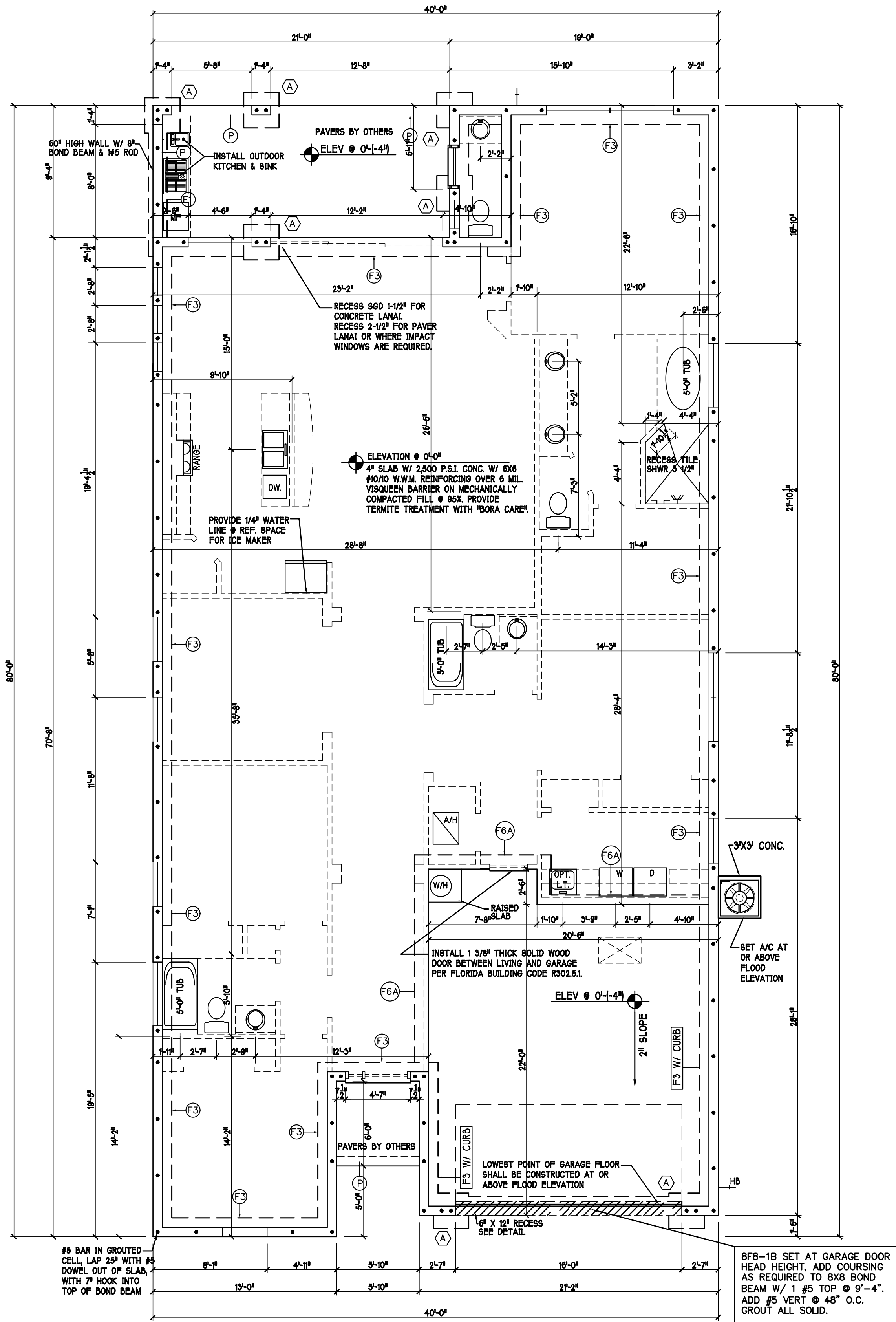
F3 WITH CURB AT GARAGE



P PAVERS DETAIL ENTRY/LANAI



F6A STEP DOWN



FOUNDATION PLAN:

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

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Gulf Coast Drafting
& Design
Phone (239) 540-1822
Fax (239) 540-7759

STRUCTURAL
SYSTEMS
OF NORTH FLORIDA
1634 SE 47th ST SUITE #3
FORT MYERS, FL 33904
(239) 591-4354
CA# 88829

MODEL:

UNIT 2431

LOT: 3

BLOCK :

SUBDIV: BARRINGTON COVE

ADDRESS: 16350 BARCLAY COURT

G.C.D#: 10515

RESIDENCE FOR:

SPEC

DATE:

09-05-18

DRAWN BY:

JSL

CHECKED BY:

JWC

REVISED:

PLAN:

FOUNDATION

SCALE:

3/16" = 1'-0"

SHEET#

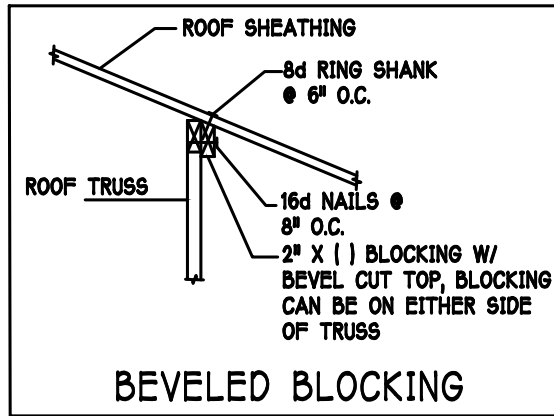
S-1 M

INSTALL HTA16-18 AT ALL TRUSSES TO 1615 lb UPLIFT. FOR HIGHER UPLIFTS, SEE NOTES ON PLAN.

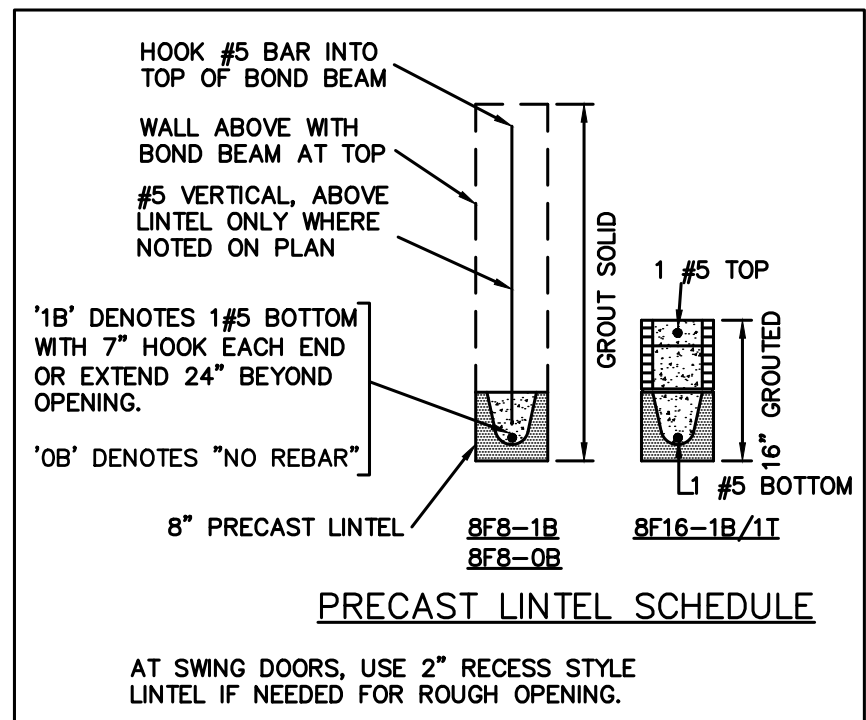
TRUSS STRAPPING TO MASONRY		
MAX TRUSS UPLIFT @ 24" OC (LBS)	CONNECTOR	FASTENER
1615	(1)HTA16-18	10-10dX1 1/2", EMBED 4"
1870	(1)HTA20	10-10dX1 1/2", EMBED 4"
2430 (1 PLY)	(2)HTA16-18	10-10dX1 1/2", EMBED 4"
2800 (2 PLY)	(2)HTA16-18	10-10dX1 1/2", EMBED 4"
3170 (2 PLY)	(2)HTA20	10-10dX1 1/2", EMBED 4"
5005	HTT45	5/8" ATR, EPOXY 12"

- NOTES:
- 1) PROVIDE A STRAP FROM THE ABOVE LIST AT EACH ROOF TRUSS BEARING POINT, BASED ON THE TRUSS UPLIFT VALUES IN THE SIGNED AND SEALED TRUSS DESIGN PACKAGE AND SUITABLE FOR THE GEOMETRY. EMBED STRAP ON C/L OF WALL.
 - 2) CONNECTORS ARE USP STRUCTURAL CONNECTORS. ALL CONNECTORS SHALL BE INSTALLED IN STRICT ACCORDANCE WITH USP PRINTED INSTRUCTIONS. SUBSTITUTIONS MUST BE APPROVED IN WRITING BY THE ENGINEER OF RECORD.
 - 3) WHERE EMBEDDED STRAPS ARE MISSING, OR MIS-LOCATED, INSTALL RETROFIT STRAP PER DETAIL 2/S-4.
 - 4) "ATR" = ALLTHREAD. DRILL AND EPOXY WITH USP EPOXY PER MFR. INSTRUCTIONS.

R2

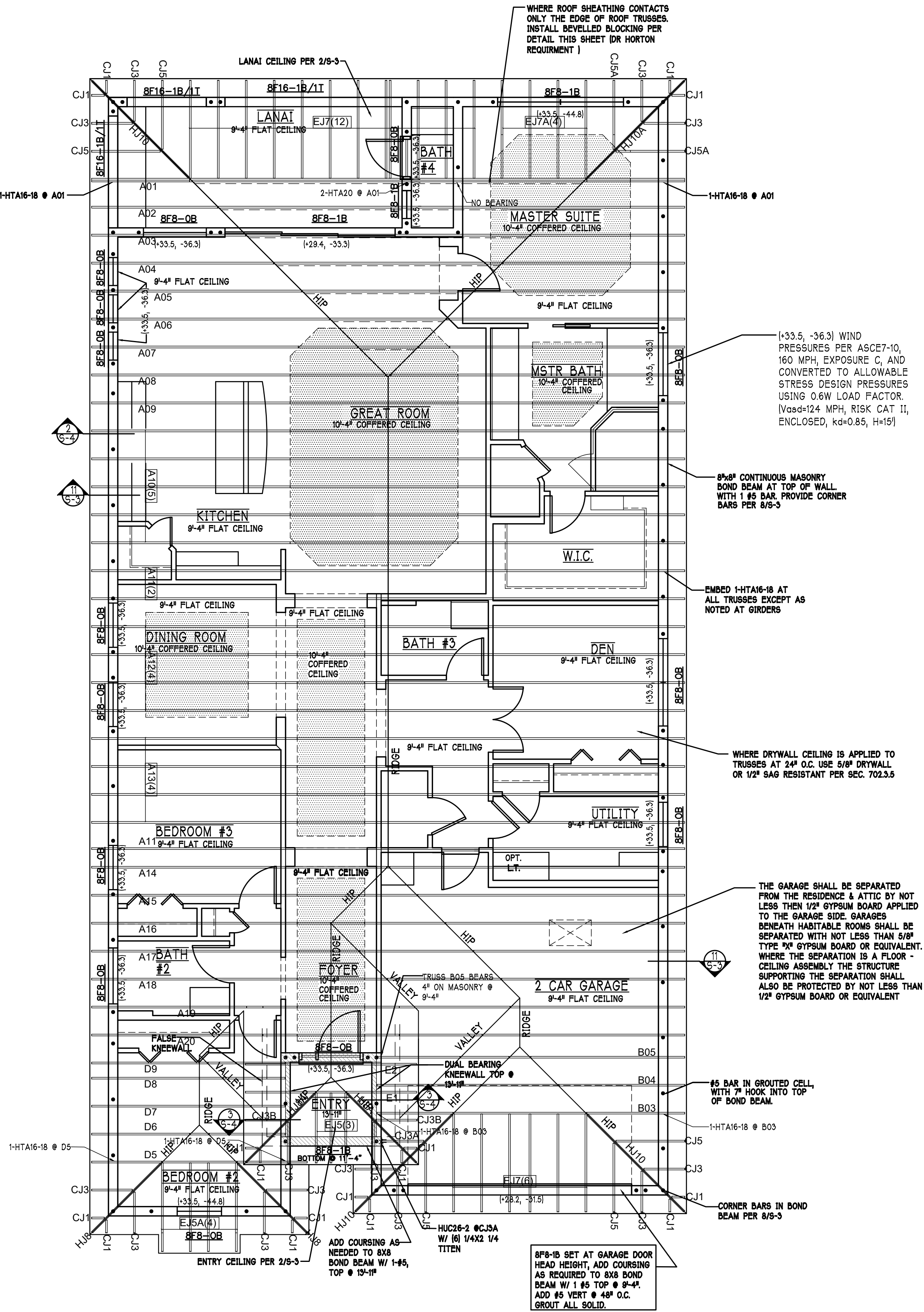


- PLAN NOTES:
- 1) ROOF TRUSS BEARING ELEVATION VARIES, SEE LEGEND.
 - 2) ROOF FRAMING SHALL BE WOOD TRUSSES DESIGNED BY A DELEGATED TRUSS ENGINEER PER DESIGN CRITERIA ON SHEET S-3.
 - 3) PROVIDE STRAPPING AT TRUSSES PER NOTES ON THIS SHEET.
 - 4) FOR NAILING OF ROOF DECK, SEE 1 AND 2 ON S-3.
 - 5) [8F8-1B] etc., DENOTES PRECAST LINTEL ABOVE DOOR/WINDOW OPENING PER SCHEDULE THIS SHEET.
 - 6) AT TRUSS BEARING, PROVIDE 8x8 MASONRY BOND BEAM W/ 1 #5 CONTINUOUS, SEE DETAIL 2/A-6.



TRUSS BEARING CONDITIONS AND STRAPPING IS BASED ON TRUSS LAYOUT PREPARED BY BUILDERS FIRST SOURCE, JOB #: MASTER, DATED: 03/06/18, REVISED: 04/17/17

BEARING HEIGHTS	
	= BEARING @ 9'-4" A.F.F.
	= BEARING @ 13'-11"



ROOF PLAN: "M" SCALE: 3/16" = 1'-0"

D.R. HORTON
America's Builder

Gulf Coast Drafting
& Design
Phone (239) 540-1822
Fax (239) 540-7759

STRUCTURAL
DESIGN
1624 SE 47th ST. SUITE 40
CAPE CORAL, FL 33904
(239) 540-4004
CDA 8889

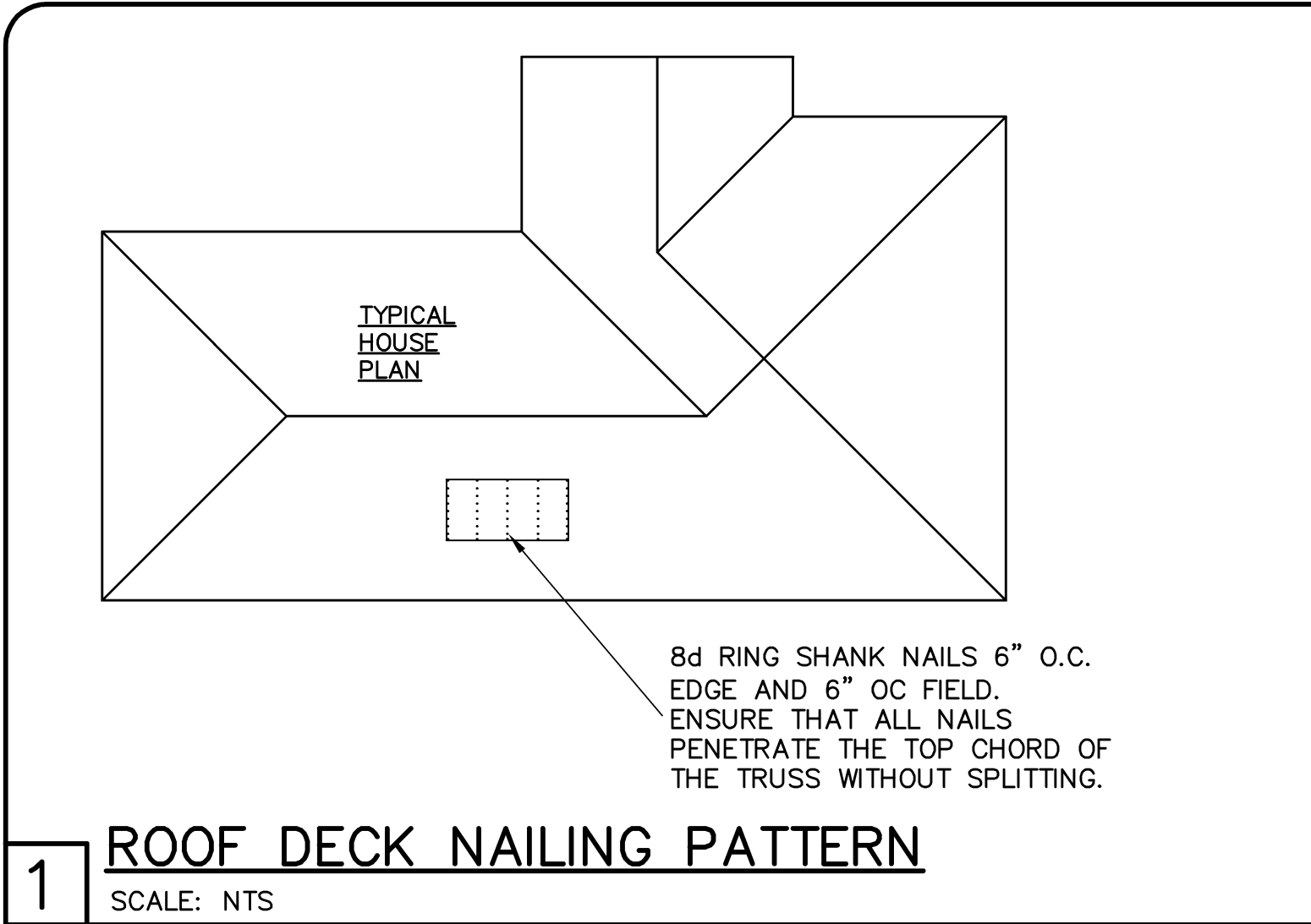
MODEL: UNIT 2431
RESIDENCE FOR: SPEC

LOT: 3 BLOCK: SUBDIV: BARRINGTON COVE
ADDRESS: 16350 BARCLAY COURT
G.C.D.#: 10515 D.R.H.#: 578140003

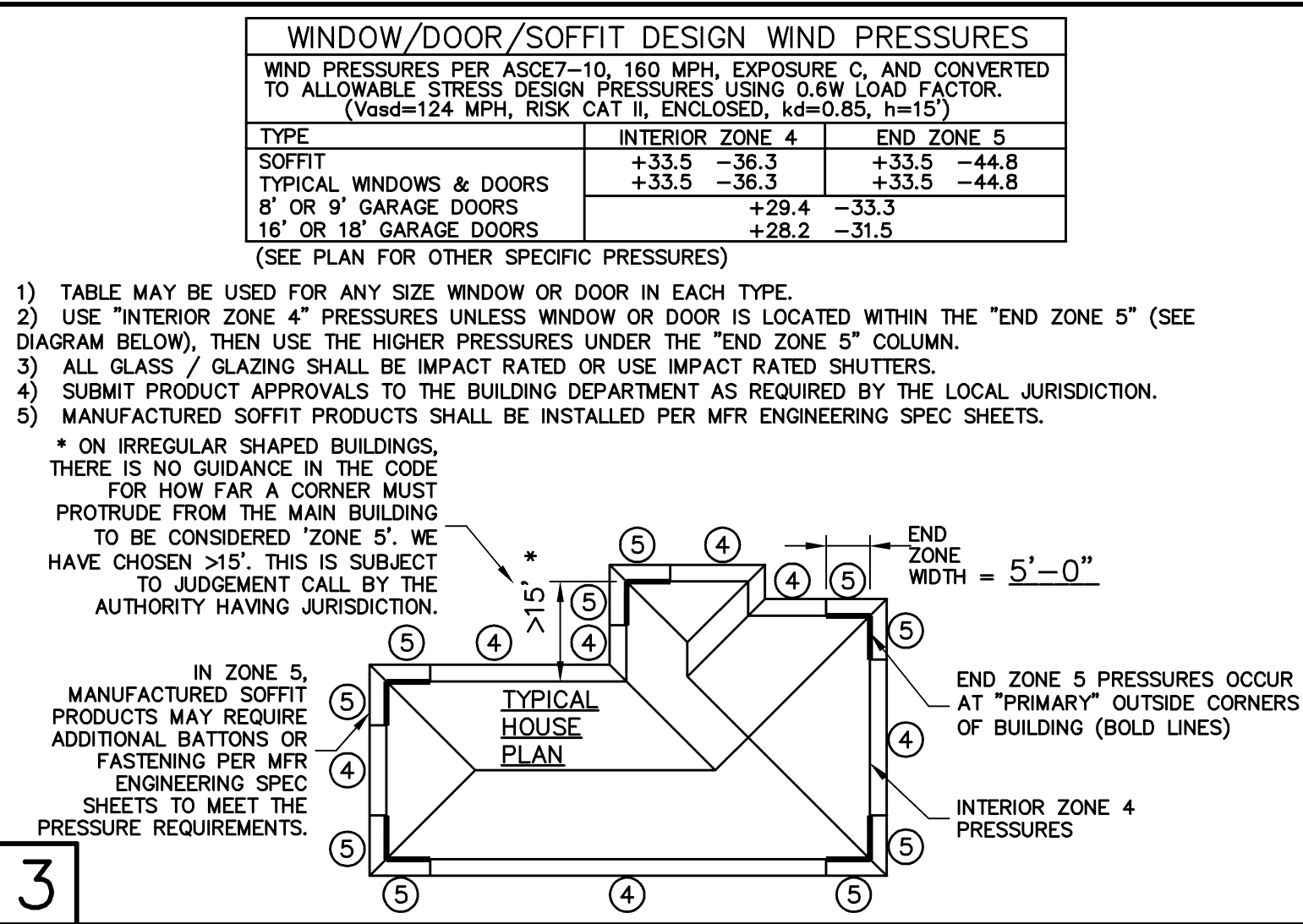
DATE: 09-05-18
DRAWN BY: JSL
CHECKED BY: JWC
REVISED:
PLAN: ROOF
SCALE: 3/16"=1'-0"
SHEET#

S2-M

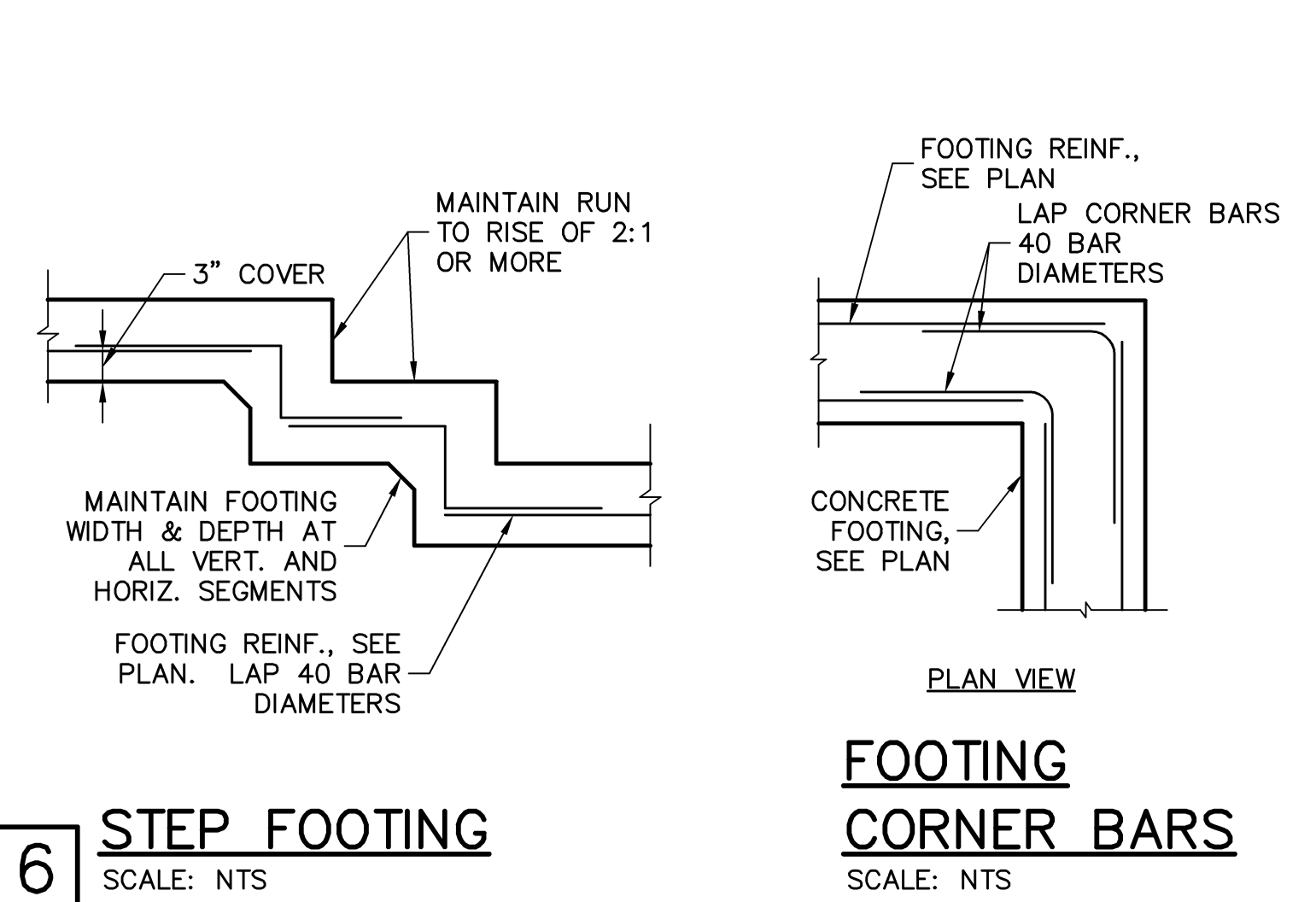
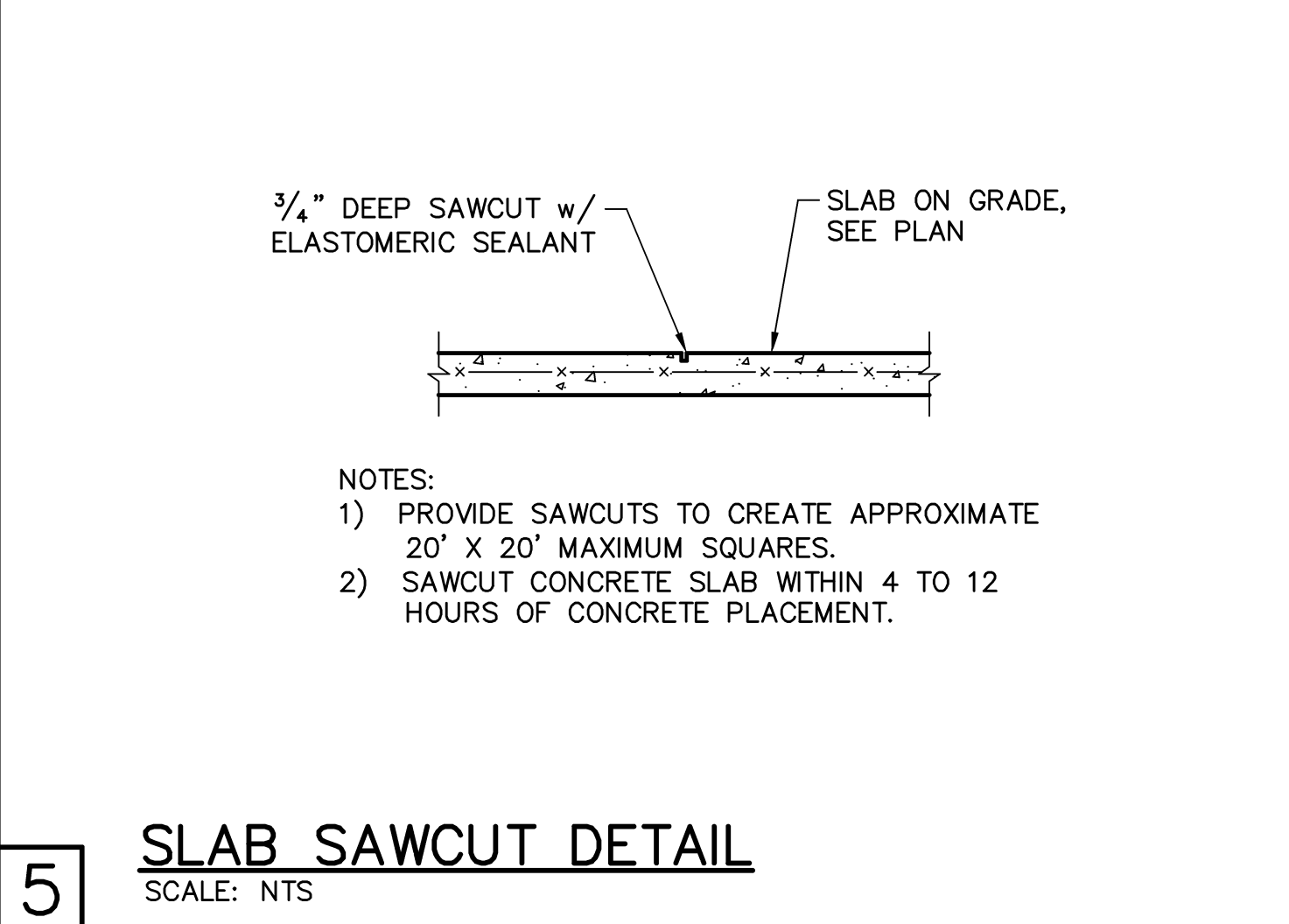
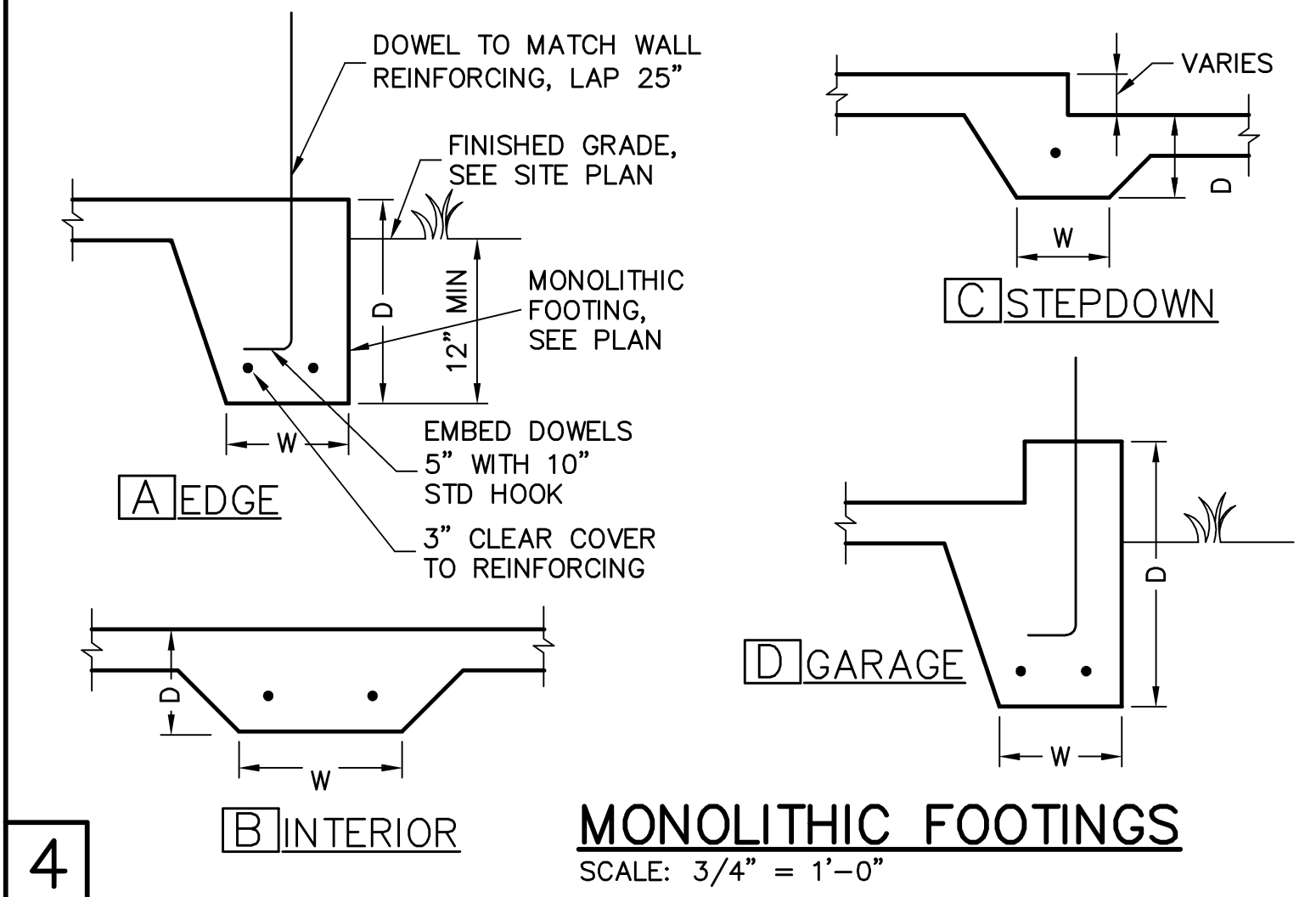
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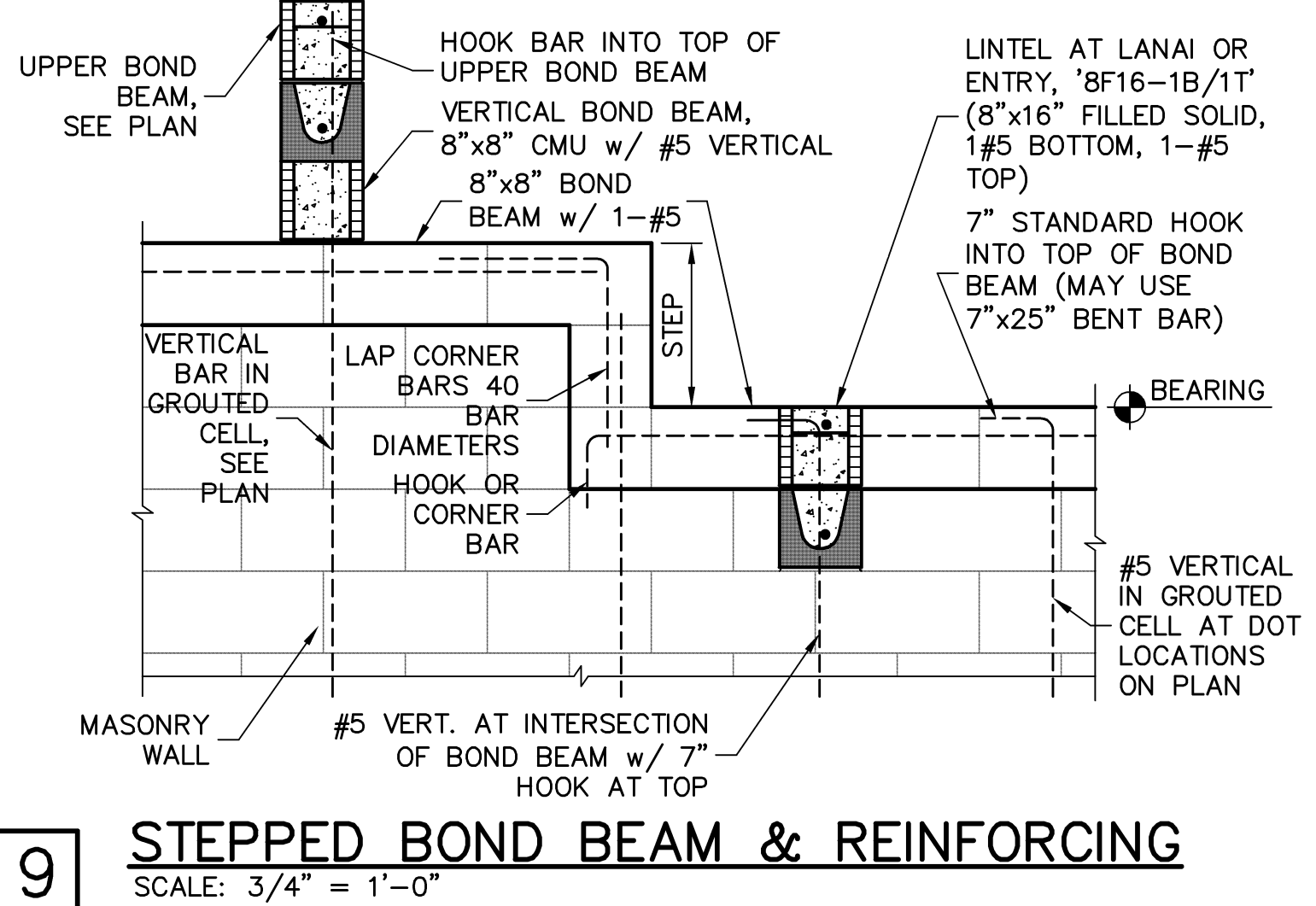
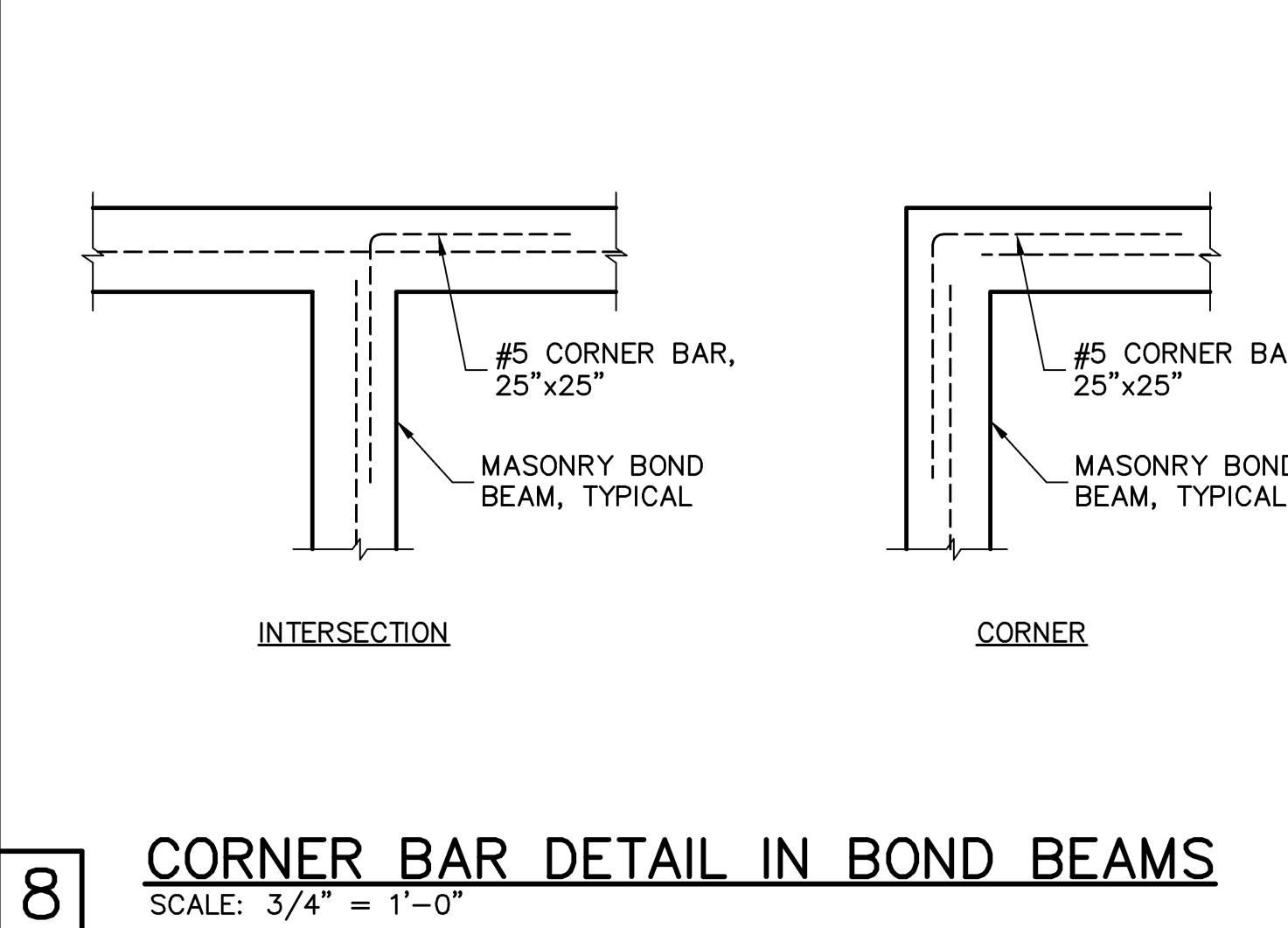
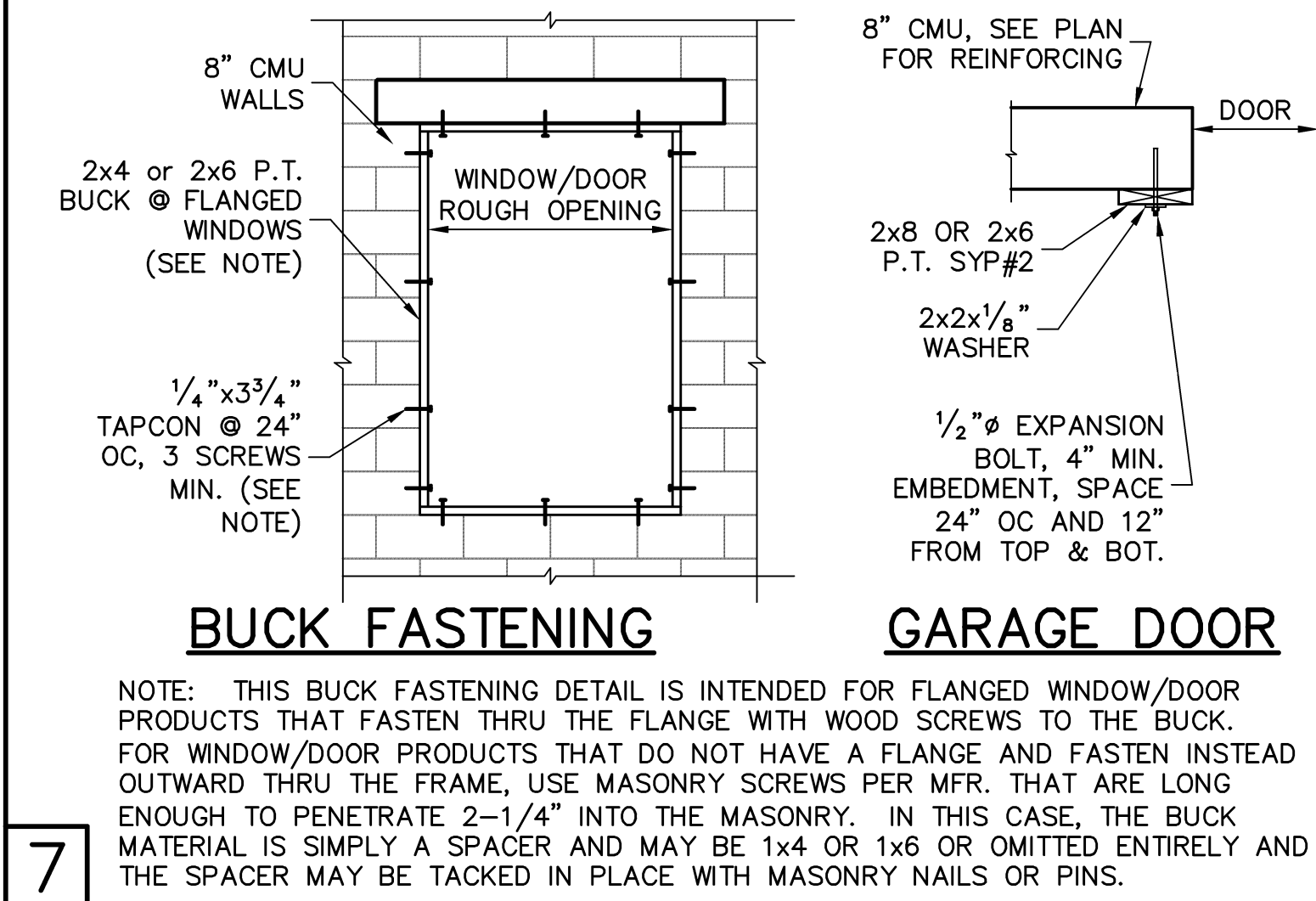
SHEATHING SCHEDULE	
EXTERIOR STUD WALL	FLOOR
7/16" ZIP SYSTEM WALL SHEATHING BY HUBER ENGINEERED WOODS LLC, NAILED W/ 8d COMMON WIRE @ 6" O.C. EDGE AND 6" O.C. FIELD. PROVIDE 2x4 BLOCKING AT ALL JOINTS. INSTALL SHEATHING AND SEAM TAPE IN STRICT ACCORDANCE WITH MFR. WRITTEN INSTRUCTIONS.	N/A
ROOF	EXTERIOR CEILING AND SOFFIT
A.P.A. RATED SHEATHING, EXPOSURE 1, SPAN RATING 24/16 OR BETTER. FASTEN WITH 8d RING SHANK NAILS @ 6" O.C. EDGE AND 6" O.C. FIELD. (WHEN 1/2" ZIP BRAND ROOF SHEATHING IS USED, H-CLIPS ARE NOT REQUIRED) (RING SHANK NAILS PER R803.2.3.1: 0.113" NOMINAL SHANK DIAMETER, RING DIA. OF 0.012" OVER SHANK DIAMETER, 16 TO 20 RINGS PER INCH, 0.280" DIAMETER FULL ROUND HEAD, 2" NAIL LENGTH)	OPTIONS: 1) 1x4 STRIPPING @ 16"OC w/ 2-8d NAILS TO EACH TRUSS, 3/8" EXTERIOR GYPBOARD CEILING, FASTEN w/8d NAILS OR 15/8" DRYWALL SCREWS @ 6"OC EDGE & FIELD. 2) 3/8" BC PLYWOOD NAILED w/ 6d COMMON @ 6" OC EDGE & FIELD. 3) VINYL OR ALUMINUM PERFORATED SOFFIT INSTALLED PER MANUFACTURER INSTRUCTIONS TO MEET WIND PRESSURES PER R703.1.2.1.
NOTE: EXTERIOR CEILINGS AND SOFFITS 1) AND 2) SPECIFIED HERE MEET THE DESIGN WIND PRESSURES PER R703.1.2.1.	



- DESIGN CRITERIA:
- DESIGN IN ACCORDANCE WITH REQUIREMENTS OF THE FLORIDA BUILDING CODE 6th EDITION (2017) RESIDENTIAL
1. FLOOR & ROOF UNIFORM LOADS:
ELEVATED FLOORS: LIVE LOAD 40 PSF, DEAD LOAD 20 PSF
ROOF: LIVE TOP CHORD 20 PSF
LIVE BOTTOM CHORD 10 PSF (NON-CONCURRENT w/ TOLL)
CEMENT ROOF TILE DEAD LOAD 25 PSF TOTAL
SHINGLE/METAL ROOFING DEAD LOAD 15 PSF TOTAL
MINIMUM DEAD LOAD FOR WIND: TC 5 PSF, BC 5 PSF
- DEFLECTION CRITERIA:
FLOOR L/480 LIVE, L/360 TOTAL
ROOF L/240 LIVE, L/180 TOTAL
2. WIND LOADS:
WIND DESIGN PER ASCE7-10
BASIC WIND SPEED (ASCE7-10) 160 MPH
NOMINAL WIND SPEED (Vasd TABLE R301.2.1.3) 124 MPH
BUILDING CATEGORY II
IMPORTANCE FACTOR 1.00
EXPOSURE C
MEAN ROOF HEIGHT = 15 FT
ROOF PITCH 5/12
ENCLOSURE CLASS. ENCLOSED
INTERNAL PRES. COEFF. +/- 0.18
WINDOW/DOOR DESIGN WIND PRESSURE, SEE TABLE IN DETAIL 3.
SOFFITS - PER R703.1.2.1, ALL SOFFITS SHALL BE CAPABLE OF RESISTING THE DESIGN PRESSURES SPECIFIED IN TABLE R301.2(2) FOR WALLS.
3. REINFORCED CONCRETE:
DESIGN AS PER ACI 318-14
REQUIRED COMPRESSIVE STRENGTH AT 28 DAYS:
SLAB ON GRADE f'c = 2500 PSI
3 1/2" MINIMUM THICKNESS REINFORCED WITH 6x6 w1.4xw1.4 WWF OR FIBERMESH.
CONVENTIONAL SHALLOW FOOTINGS f'c = 2500 PSI
BEAMS AND COLUMNS f'c = 3000 PSI
ALL OTHER CONCRETE (U.N.O.) f'c = 3000 PSI
UNLESS OTHERWISE SHOWN ON DRAWINGS, MINIMUM CONCRETE COVER FOR REINFORCING SHALL BE AS FOLLOWS:
FOOTINGS 3"
SLAB ON GRADE CENTERED
BEAMS 1 1/2"
COLUMNS 1 1/2"
ALL REINFORCING STEEL SHALL BE PLACED IN ACCORDANCE WITH THE TYPICAL BENDING DIAGRAMS AND PLACING DETAILS OF ACI STANDARDS AND SPECIFICATIONS. ALL REINFORCING STEEL SHALL BE HELD SECURELY IN POSITION WITH STANDARD ACCESSORIES DURING PLACING OF CONCRETE.
REINFORCING STEEL - ASTM A615 GRADE 40 FOR #3
GRADE 60 FOR #4 TO #11
- WELDED WIRE FABRIC - ASTM A185
- SPICES IN REINFORCING, SHALL BE 40 BAR DIAMETERS. NON-CONTACT LAP SPICES MAY BE USED PROVIDED REINFORCING IS NOT SPACED MORE THAN 5" APART FOR #5 BARS.
- FORMWORK AND SHORING SHALL REMAIN IN PLACE UNTIL CONCRETE HAS REACHED AT LEAST 2/3 OF THE REQUIRED 28 DAY STRENGTH.



3. REINFORCED CONCRETE:
DESIGN AS PER ACI 318-14
REQUIRED COMPRESSIVE STRENGTH AT 28 DAYS:
SLAB ON GRADE f'c = 2500 PSI
3 1/2" MINIMUM THICKNESS REINFORCED WITH 6x6 w1.4xw1.4 WWF OR FIBERMESH.
CONVENTIONAL SHALLOW FOOTINGS f'c = 2500 PSI
BEAMS AND COLUMNS f'c = 3000 PSI
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REINFORCING STEEL - ASTM A615 GRADE 40 FOR #3
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- FORMWORK AND SHORING SHALL REMAIN IN PLACE UNTIL CONCRETE HAS REACHED AT LEAST 2/3 OF THE REQUIRED 28 DAY STRENGTH.



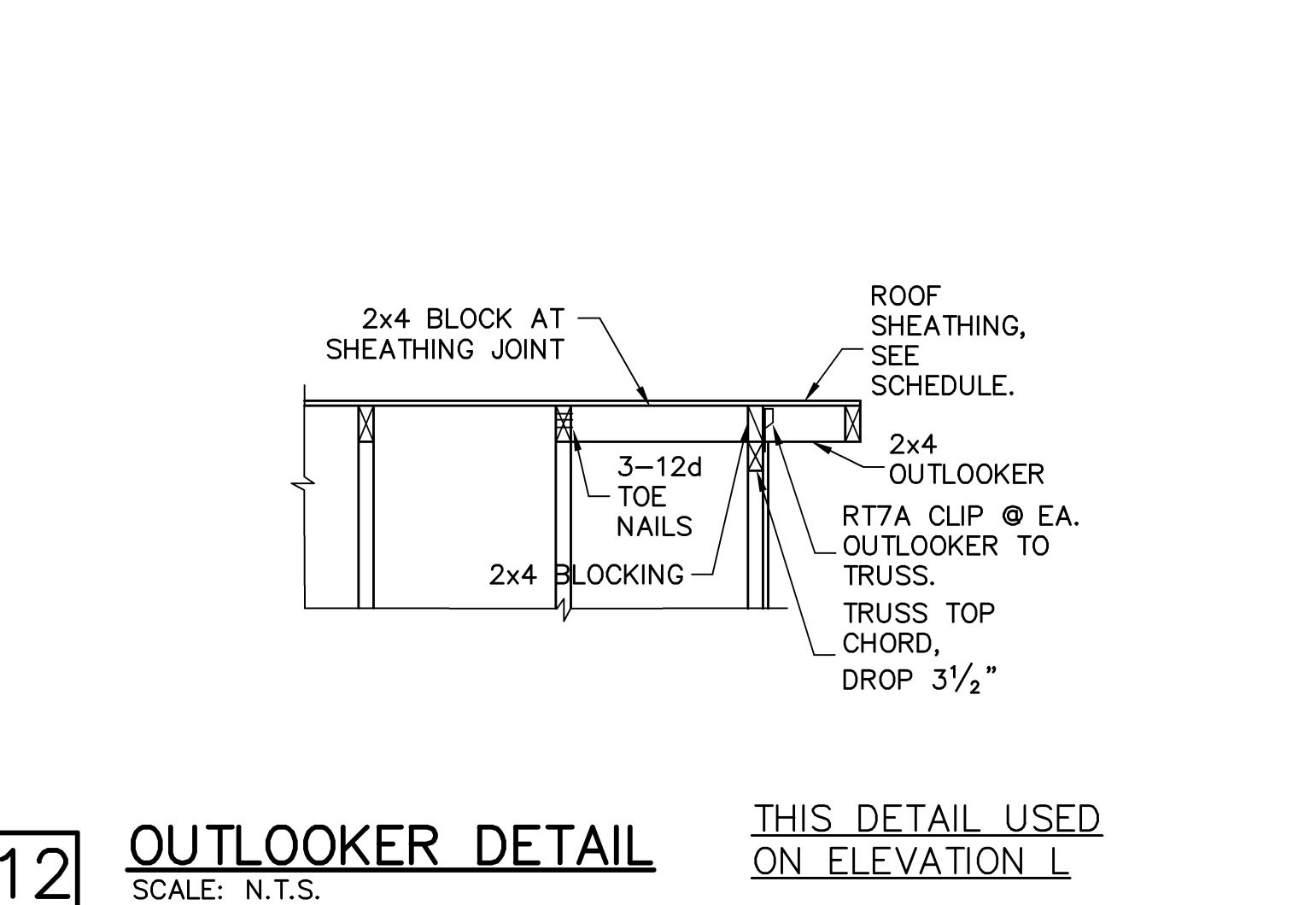
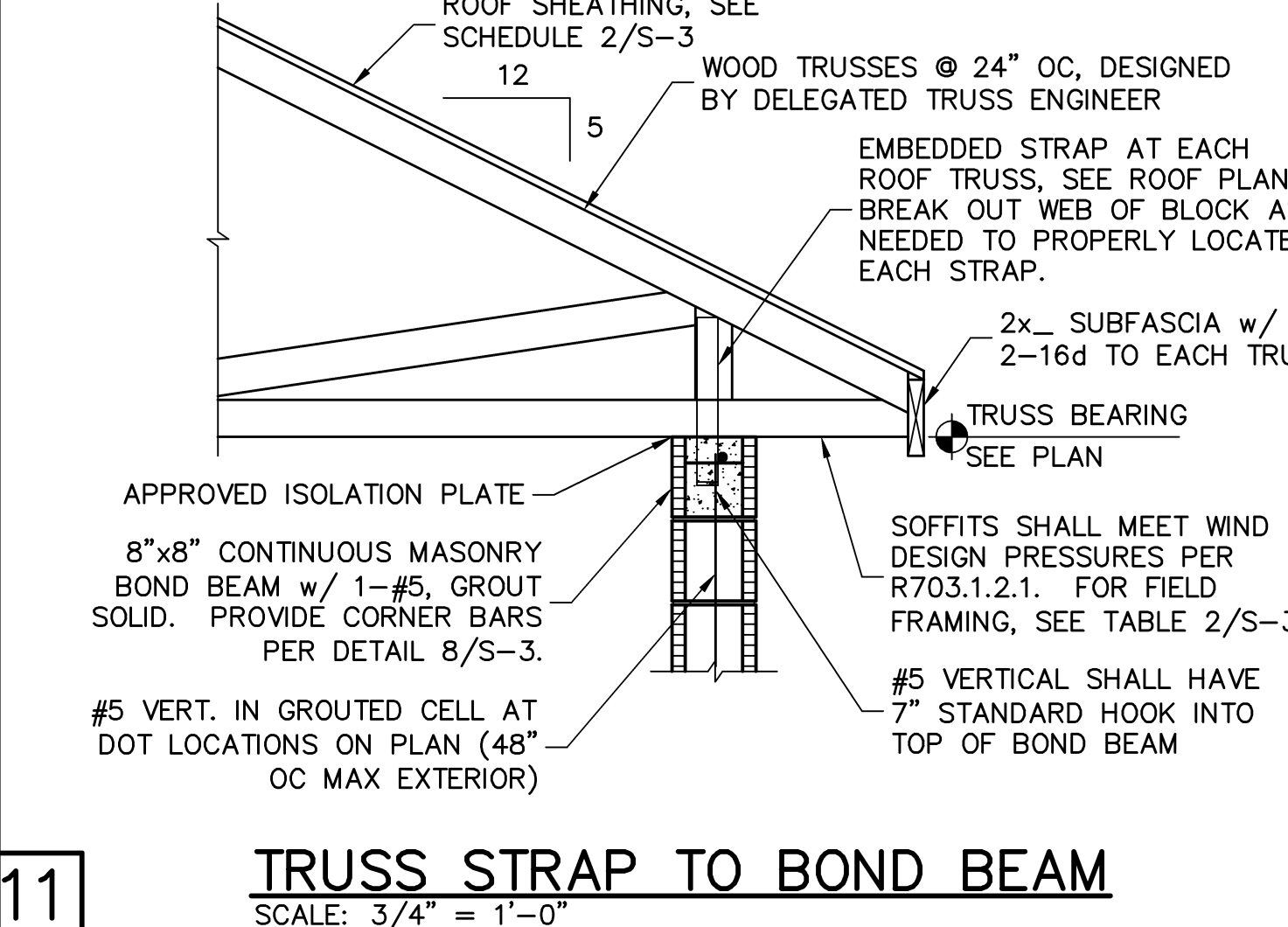
4. REINFORCED MASONRY:
DESIGN PER ACI 530-13
REQUIRED COMPRESSIVE STRENGTHS:
MASONRY WALLS f'm = 1500 PSI
- REINFORCING STEEL - ASTM A615 GRADE 60.
SPICES IN REINFORCING, SHALL BE 48 BAR DIAMETERS.
ALL CONCRETE MASONRY UNITS SHALL BE COMPOSED OF ASTM C90, GRADE N-1 HOLLOW CONCRETE MASONRY UNITS WITH TYPE 'S' MORTAR. GROUT ALL CELLS CONTAINING VERTICAL REINFORCEMENT WITH 3000 PSI PEA ROCK CONCRETE GROUT. ALL CELLS BELOW FINISHED GRADE SHALL BE GROUTED SOLID. ALL EXTERIOR WALLS SHALL BE REINFORCED FULL HEIGHT AT DOT LOCATIONS ON PLAN. PROVIDE HORIZONTAL JOINT REINFORCEMENT IN WALLS AT 16" OC VERTICALLY, UNLESS NOTED OTHERWISE. IN ADDITION, INSTALL JOINT REINFORCING IN THE FIRST TWO MORTAR JOINTS ABOVE AND BELOW OPENINGS, EXTENDING AT LEAST 24" BEYOND THE OPENING. LAP JOINT REINFORCING 6" MINIMUM.
5. DELEGATED-ENGINEERED WOOD ROOF & FLOOR TRUSSES:
ALL WOOD ROOF AND FLOOR TRUSSES SHALL BE DESIGNED BY A DELEGATED TRUSS ENGINEER PER RULE 61G15-31.003 OF THE FLORIDA ADMINISTRATIVE CODE. ALL TRUSSES SHALL HAVE TEMPORARY BRACING PER "COMMENTARY AND RECOMMENDATIONS FOR HANDLING, INSTALLING AND BRACING METAL PLATE CONNECTED WOOD TRUSSES, HIB-91." FOR OTHER BRACING REQUIREMENTS, NOTIFY ENGINEER. PROVIDE PERMANENT BRACING PER TRUSS MFR. SHOP DRAWINGS. IF PERMANENT BRACING IS NOT SPECIFIED, CONTACT ENGINEER.
6. FOUNDATION:
CONVENTIONAL SHALLOW CONCRETE FOOTINGS
SOIL BEARING CAPACITY 2000 PSF
THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE SUITABILITY OF THE SOIL CONDITIONS FOR THE INTENDED STRUCTURE AND ASSUMED SOIL BEARING CAPACITY. IT IS RECOMMENDED THAT A GEOTECHNICAL FIRM BE HIRED TO PERFORM A SITE EVALUATION.
7. DIMENSIONS: VERIFY ALL DIMENSIONS WITH HOUSE PLANS. SEE HOUSE PLANS, MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS FOR EMBEDS, OPENINGS, SLEEVES, ETC. WHICH ARE NOT SHOWN ON STRUCTURAL DRAWINGS.
8. MEANS AND METHODS: THE STRUCTURAL ENGINEER SHALL NOT HAVE CONTROL OR BE RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, PROCEDURES, OR SEQUENCES TEMPORARY BRACING, SHORING, GUYING OR OTHER MEANS TO SUPPORT STRUCTURAL ELEMENTS IN PLACE DURING CONSTRUCTION. FOR THE ACTS OR OMISSIONS OF THE CONTRACTOR, OR ANY OTHER PERSONS PERFORMING THE WORK OR FOR THE FAILURE OF ANY OF THEM TO CONSTRUCT THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
9. SHOP DRAWINGS: SHOP DRAWINGS SHALL BE PREPARED AND SUBMITTED TO THE ENGINEER FOR REVIEW FOR ALL STRUCTURAL ELEMENTS UTILIZING PREFABRICATED COMPONENTS. ONE SET OF SIGNED & SEALED TRUSS ENGINEERING SHALL BE DELIVERED TO THE ENGINEER OF RECORD FOR THE STRUCTURE PER FLORIDA ADMINISTRATIVE CODE 61G15-30.005 AND 61G15-31.003.

RETROFIT STRAPS TO CONCRETE/MASONRY

TRUSS UPLIFT (LBS) @ 24" OC	CONNECTOR
TO 1145	1-HTWM16 or 20
TO 1145	1-HTWM16 or 20
TO 2290	2-HTWM16 or 20
TO 4520	2-LUGT2
TO 3610	HTT16
TO 9790	HGT-2/3

NOTES:
1) WHERE EMBEDDED STRAP IS MISSING OR MIS-LOCATED, PROVIDE A STRAP FROM THE ABOVE LIST AT EACH ROOF TRUSS BEARING POINT, BASED ON THE TRUSS UPLIFT VALUES IN THE SIGNED AND SEALED TRUSS DESIGN PACKAGE.
2) CONNECTORS ARE USP. ALL CONNECTORS SHALL BE INSTALLED IN STRICT ACCORDANCE WITH USP PRINTED INSTRUCTIONS.
3) CONCRETE SCREW SHALL BE WEDGE-BOLT+, TITEN, TAPCON OR EQUIVALENT.

10 RETROFIT UPLIFT CONNECTOR SCHEDULE



9. SHOP DRAWINGS: SHOP DRAWINGS SHALL BE PREPARED AND SUBMITTED TO THE ENGINEER FOR REVIEW FOR ALL STRUCTURAL ELEMENTS UTILIZING PREFABRICATED COMPONENTS. ONE SET OF SIGNED & SEALED TRUSS ENGINEERING SHALL BE DELIVERED TO THE ENGINEER OF RECORD FOR THE STRUCTURE PER FLORIDA ADMINISTRATIVE CODE 61G15-30.005 AND 61G15-31.003.

REVISIONS	BY

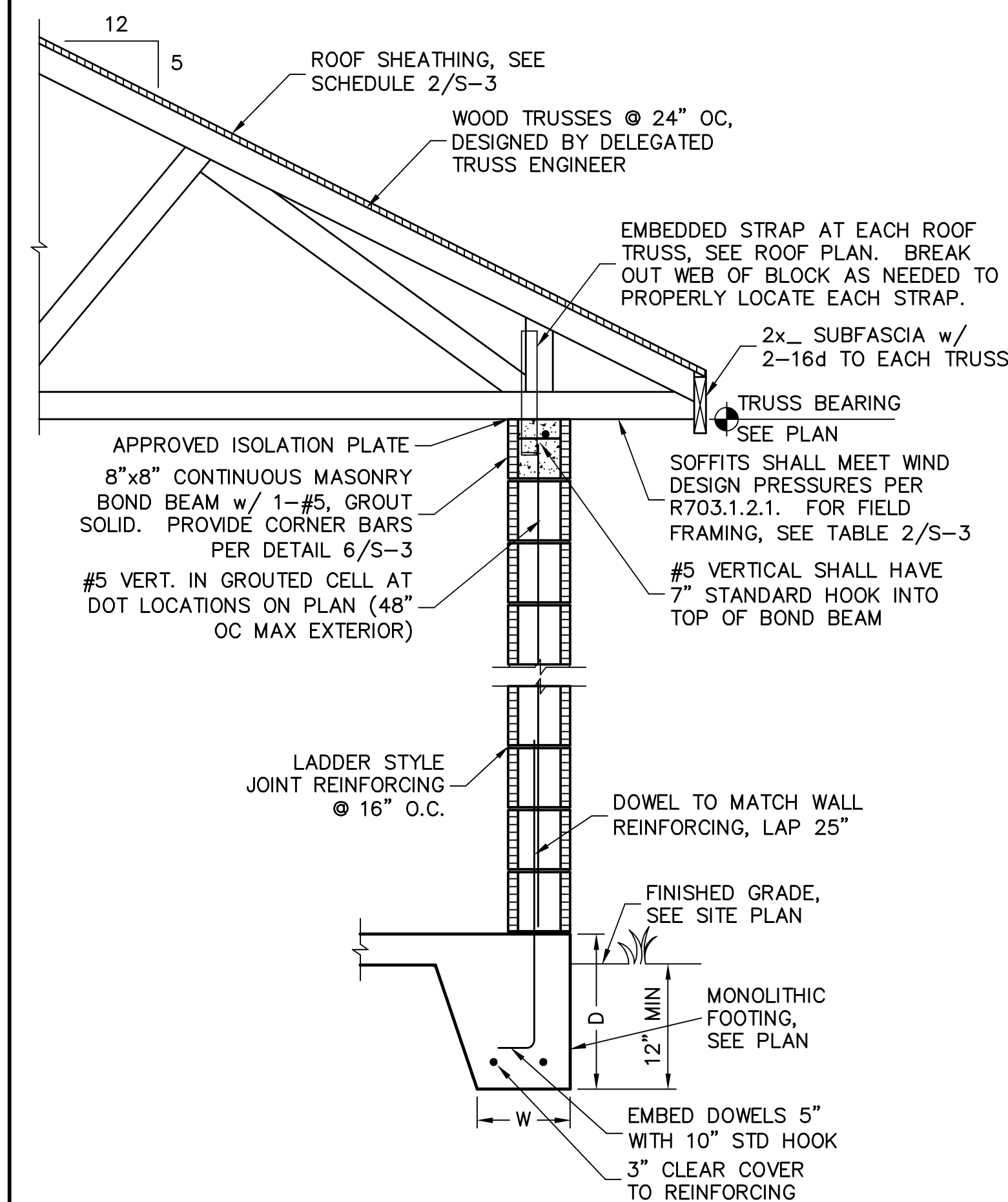
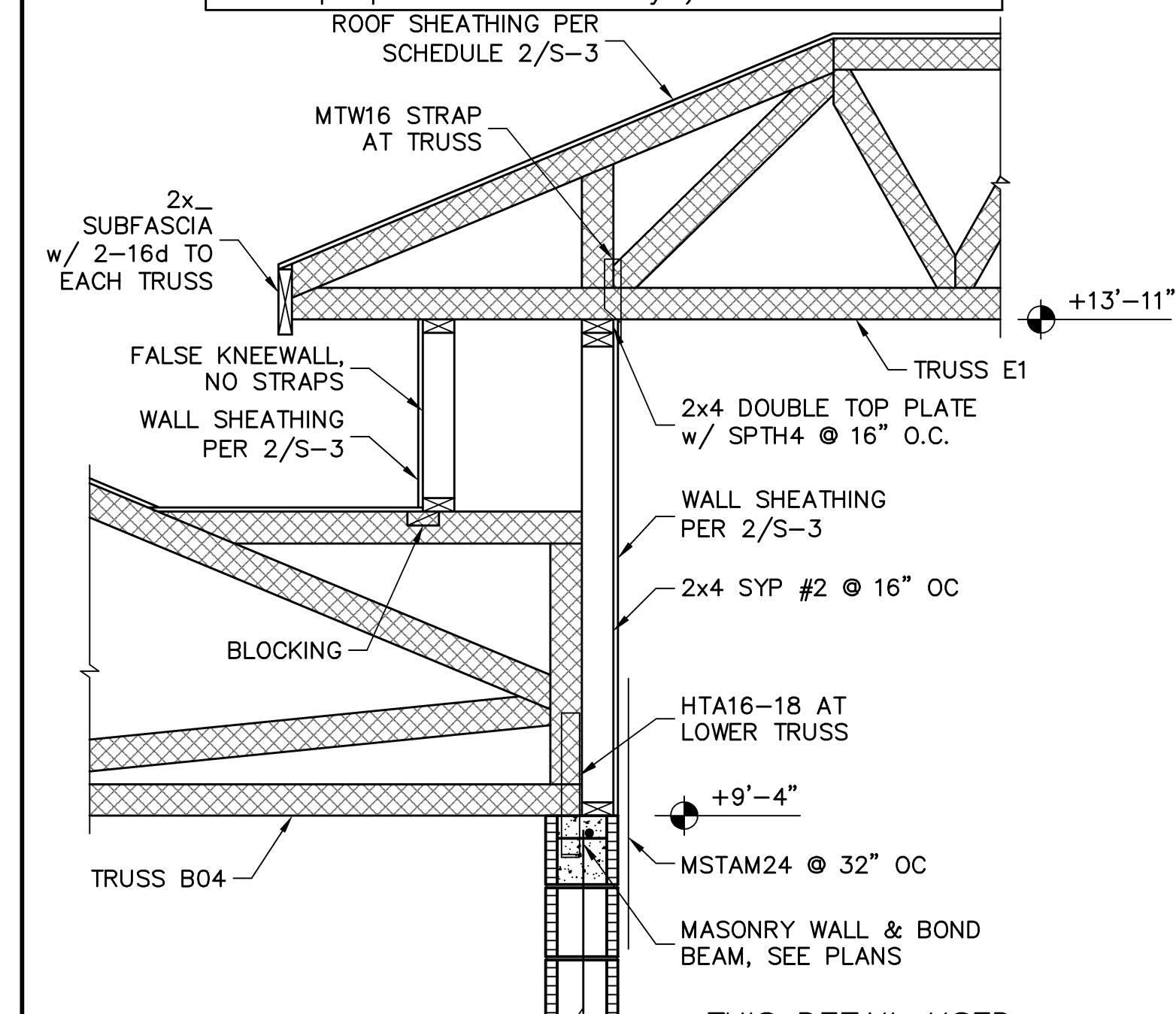
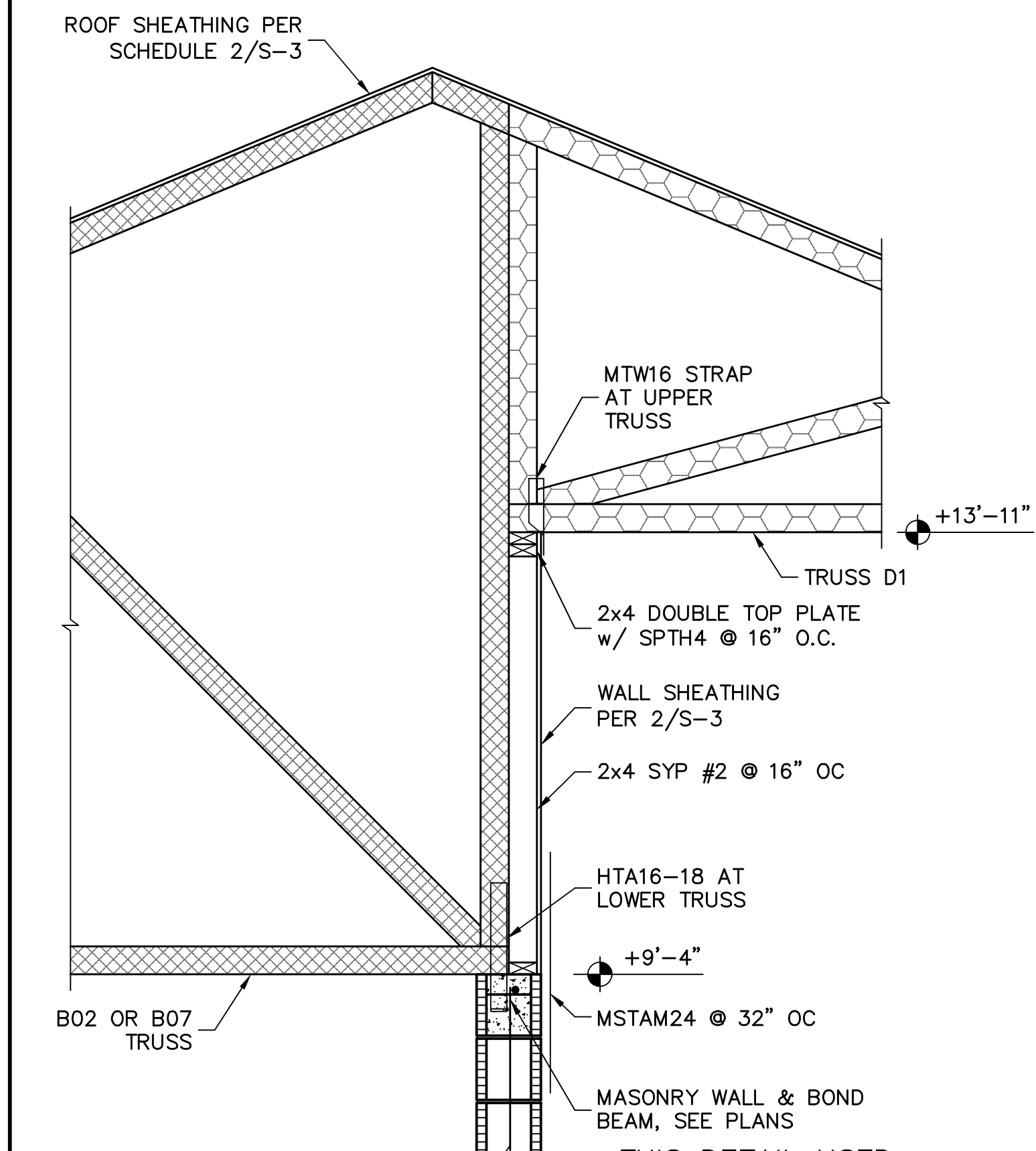
STRUCTURAL ENGINEERING:
STRUCTURAL SYSTEMS OF NORTH FLORIDA
1834 S.E. 47th STREET, SUITE #3
CAPE CORAL, FL 33904
(239) 549-4554
CA # 8829

DESIGNED IN ACCORDANCE WITH FLORIDA BUILDING CODE 6th EDITION (2017) RESIDENTIAL
BUILDER:
D.R. HOHON
America's Builder

STRUCTURAL DETAILS FOR MODEL 2431 M
16350 BARCLAY COURT
NAPLES, FLORIDA
LOT: 3 SUBDIVISION: BARRINGTON COVE

DESIGN/DRAWN DWB/DWB
CHECKED DWB
DATE 08/28/18
SCALE AS NOTED
JOB NO. DR10515
SHEET S-3
SHEET 3 OF 4

FOR BUILDERS FIRST SOURCE TRUSS, EXPOSURE C, M ELEVATION, JOB # MASTER, DATED: 03/06/18, REVISED: 04/07/17



At Exterior Stud Walls and Gable Ends with Wall Sheathing, apply plaster over metal lath over water resistive barrier as follows:

Plaster R703.7.2: 3-coat 7/8" thick portland cement based plaster per ASTM C926.

Metal Lath R703.7.1: Self furring paper backed 2.5lb diamond mesh metal lath per ASTM C847, G60 galvanized, fastened per ASTM C1063 with 1-1/2" long, 11 gage nails with 7/16" head (roofing nails) at 7" oc, or 1-1/2" long, 16 gage staples at 6" oc, into the framing members (ie, the nails or staples must align with and penetrate 3/4" into the framing studs).

Water Resistive Barrier (WRB) R703.7.3: Water-resistive vapor-permeable barrier with a performance at least equivalent to 2 layers of Grade D paper. The individual layers shall be installed independently. An approved house wrap may be used for the 1st layer and metal lath with approved paper backing may be the 2nd layer (Note: ZIP wall sheathing with seam tape qualifies as the first layer).

FOR BUILDERS FIRST SOURCE IRUSS, EXPOSURE C, M ELEVATION, JOB # MASTER, DATED: 03/06/18, REVISED: 04/07/17

[illegible]

STRUCTURAL ENGINEERING:

**STRUCTURAL
SYSTEMS
OF NORTH FLORIDA**

1634 S.E. 47th STREET, SUITE #3
CAPE CORAL, FL 33904
(239) 549-4554

CA# 8829

BUILDER:

D·R·HORTON • PHI
NYSE
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STRUCTURAL DETAILS FOR
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LOT: 3 SUBDIVISION: BARRINGTON COVE

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SHEET
S-4
SHEET 4 OF 4