

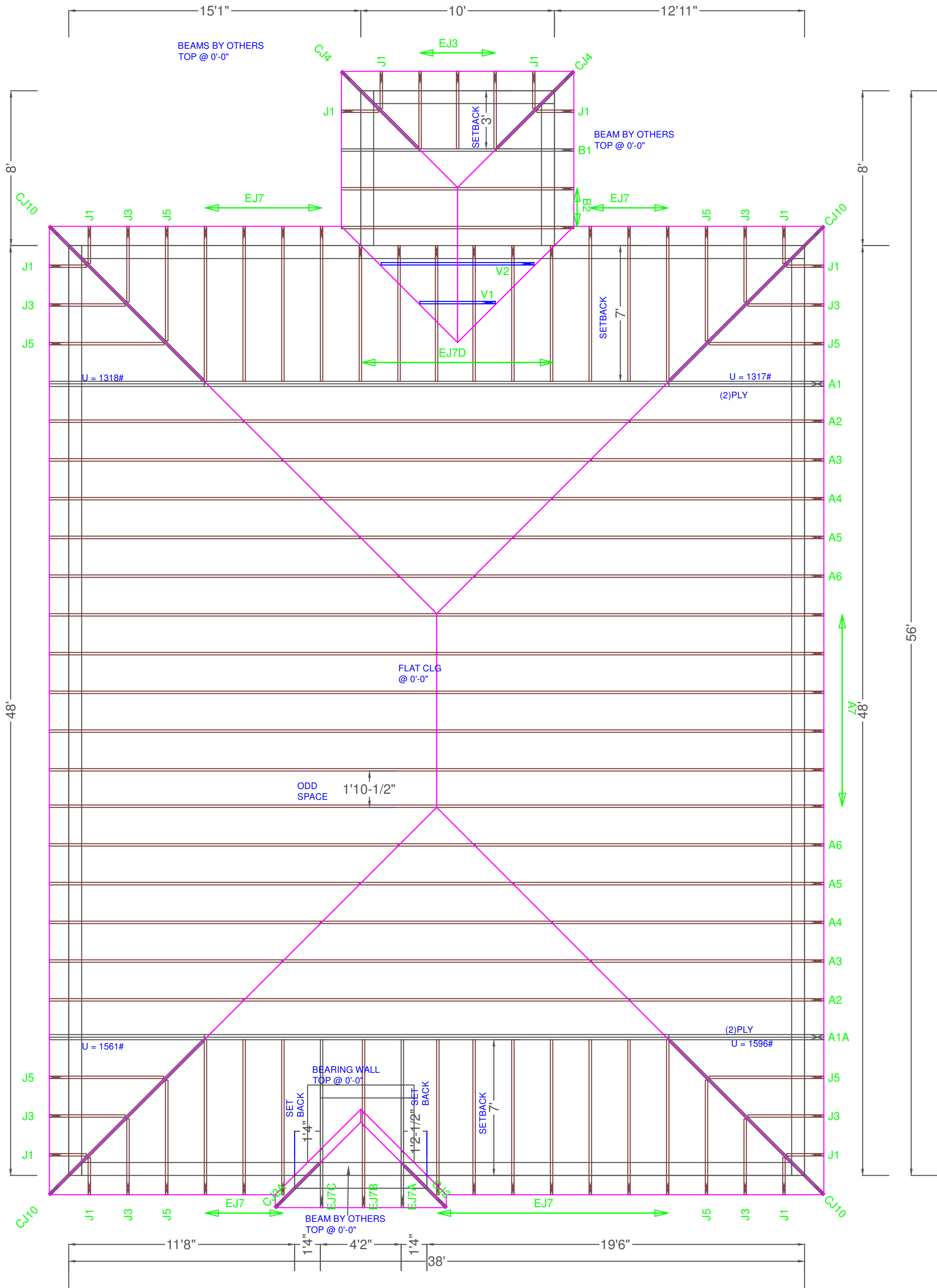
Engineer of Record for the Structure
Structural Systems of N. Fl, Inc.
Raul Reyes, PE 88925
1634 SE 47th Street #3
Cape Coral, FL 33904

This document has been reviewed for
conformance with the design intent of the
structure and specified design criteria.

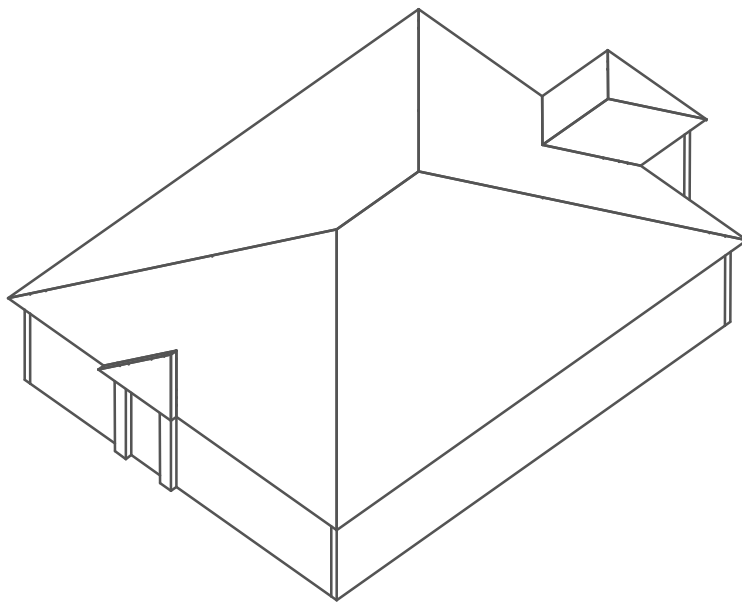
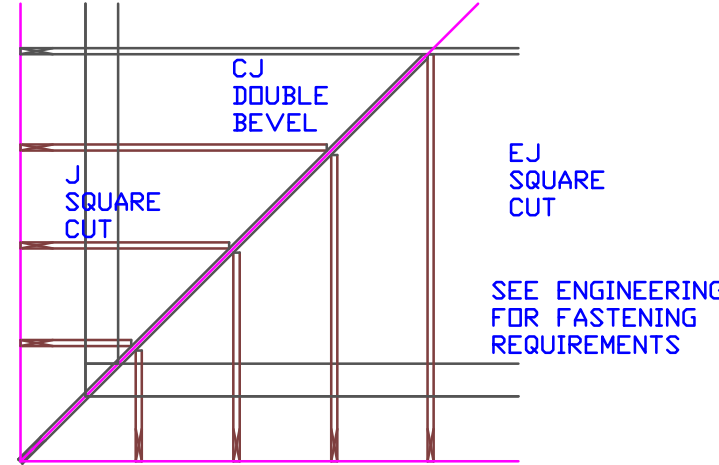
☒ Accepted
As-Is

☐ Accepted
As Noted

☐ Revise and
Resubmit

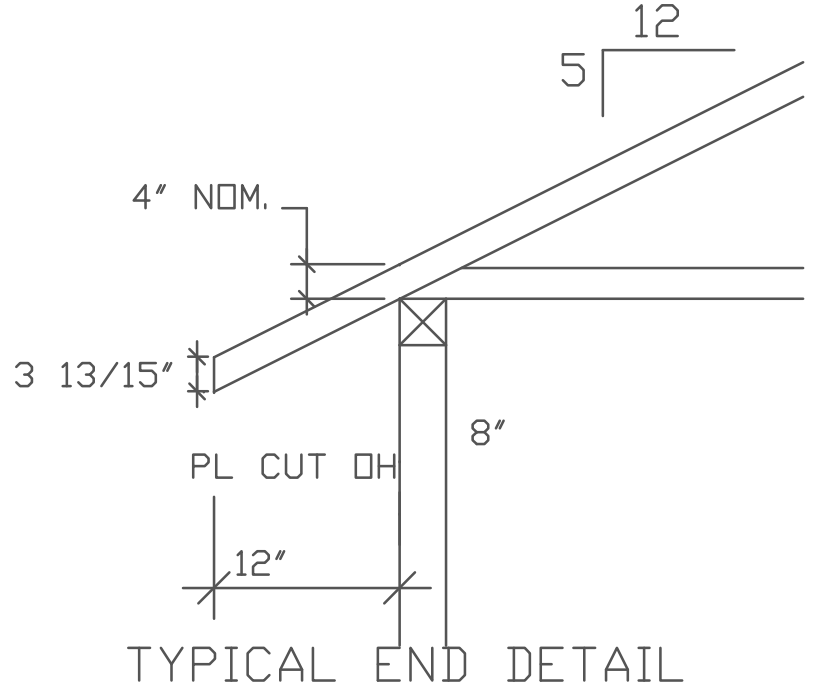


TYPICAL JACK CUTS



| DESIGN CRITERIA | |
|---------------------------------------|--------|
| TOP CHORD LIVE LOAD | 20 |
| TOP CHORD DEAD LOAD | 7 |
| BOTTOM CHORD LIVE LOAD NON-CONCURRENT | 10# |
| BOTTOM CHORD DEAD LOAD | 10 |
| TOTAL LOAD | 37 |
| DURATION FACTOR | 1.25 |
| WIND DESIGN SPEED (MPH) | 160 |
| ASCE 7-16 CAT II EXP C MWFRS | CLOSED |
| MAX. WALL HT FOR WIND LOAD | 8'-0" |

SHINGLE



****UNLESS NOTED****
REACTION VALUES ARE UNDER 5000#
UPLIFT VALUES ARE UNDER 1000#

ALL TRUSSES 24"o.c. UNLESS NOTED OTHERWISE
*******CAUTION*******
DO NOT ATTEMPT TO ERECT TRUSSES WITH-
OUT REFERRING TO THE ENGINEERING DWGS.
IT IS NECESSARY TO REFER TO THE ENGINEERING
DRAWINGS FOR NUMBER OF MEMBERS, BEARING LOCATION,
ORIENTATION AND WEB BRACING

REFER TO WTCA/TPI BSCI-B1 SUMMARY
SHEET FOR HANDLING METHODS & TEMPORARY
BRACING, WHICH IS ALWAYS REQUIRED
BEARING HEIGHTS BASED ON PLANS PROVIDED TO
SCOSTA CORP. +/- BEARING DIFFERENCES SHOWN ARE
CRITICAL. IF ANY HEIGHTS DEViate - INFORM SCOSTA
CORP.

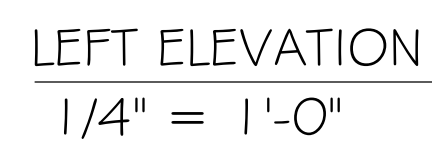
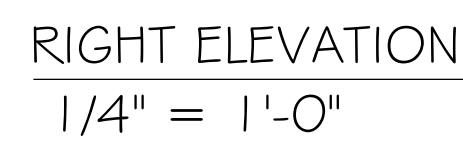
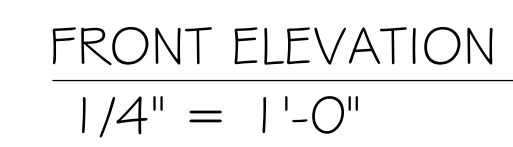
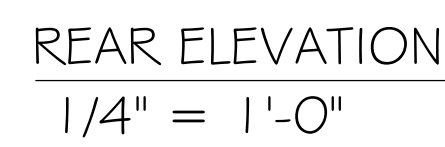
| BEARING WALL & BEAM HEIGHTS | |
|-----------------------------|-------------|
| | 0'-0" ELEV. |
| | ELEV. |
| | ELEV. |
| | ELEV. |
| | ELEV. |
| | ELEV. |
| | ELEV. |

| TYPICAL HANGER SCHEDULE | |
|-------------------------|-----------------------|
| (C) SIMPSON HUS 26 | (M) SIMPSON HGUS 28-3 |
| (F) SIMPSON HUS 28 | (N) SIMPSON HHUS 48 |
| (H) SIMPSON HGUS 28 | (P) SIMPSON LUS 24 |
| (I) SIMPSON HGUS 28-2 | (B) SIMPSON THA 422 |
| (W) SIMPSON THJA26 | (X) |

HANGER VALUES HAVE BEEN BASED ON 16D
COMMON NAILS EXCEPT THE FOLLOWING
LUS24 - 10D COMMON THJA26 - 10D x 1-1/2

*******ATTENTION*******
APPROVAL OF THIS TRUSS LAYOUT IS NECESSARY
BEFORE FABRICATION CAN BEGIN. VERIFY DIMENSIONS,
PITCHES, OVERHANGS, ELEVATIONS, CEILING &
BEARING CONDITIONS. SCOSTA CORPORATION IS
RESPONSIBLE FOR ACCURACY IN ACCORDANCE WITH
PLANS AND/OR INFORMATION PROVIDED BY
CUSTOMER. WITH ANY DEVIATIONS NOTED HEREIN,
CUSTOMER IS RESPONSIBLE TO VERIFY ACCURACY OF
INFORMATION AND PLANS PROVIDED TO SCOSTA
CORPORATION, AND TO VERIFY CONFORMANCE TO
FIELD CONDITIONS, AND/OR OWNER CHANGES.
TRUSSES WILL BE BUILT IN ACCORDANCE WITH THE
APPROVED LAYOUT.
APPROVED BY: _____
DATE: _____ REQUESTED DELIVERY DATE: _____
JOBSITE CONTACT NAME: _____
PHONE #: _____
E-MAIL: _____

| | | | |
|---|-------------------|--------------------|-------------------|
| SCOSTA CORP. | | | |
| WOOD, STEEL OR TIMBER ROOF & FLOOR TRUSSES | | | |
| 3670 COMMERCE CENTER DRIVE SEBRING, FL 33870 (863) 385-8242 | | | |
| SCALE: 1/4"=1'-0" | DATE: 11/30/20 | REVISED BY: KJC | DRAWN BY: KJC |
| JOB ADDRESS: 1389 B W/ LANAI GARAGE RIGHT LEE | | | 1 OF 1 |
| CUSTOMER: D.R. HORTON | | | JOB # DR1389BL |

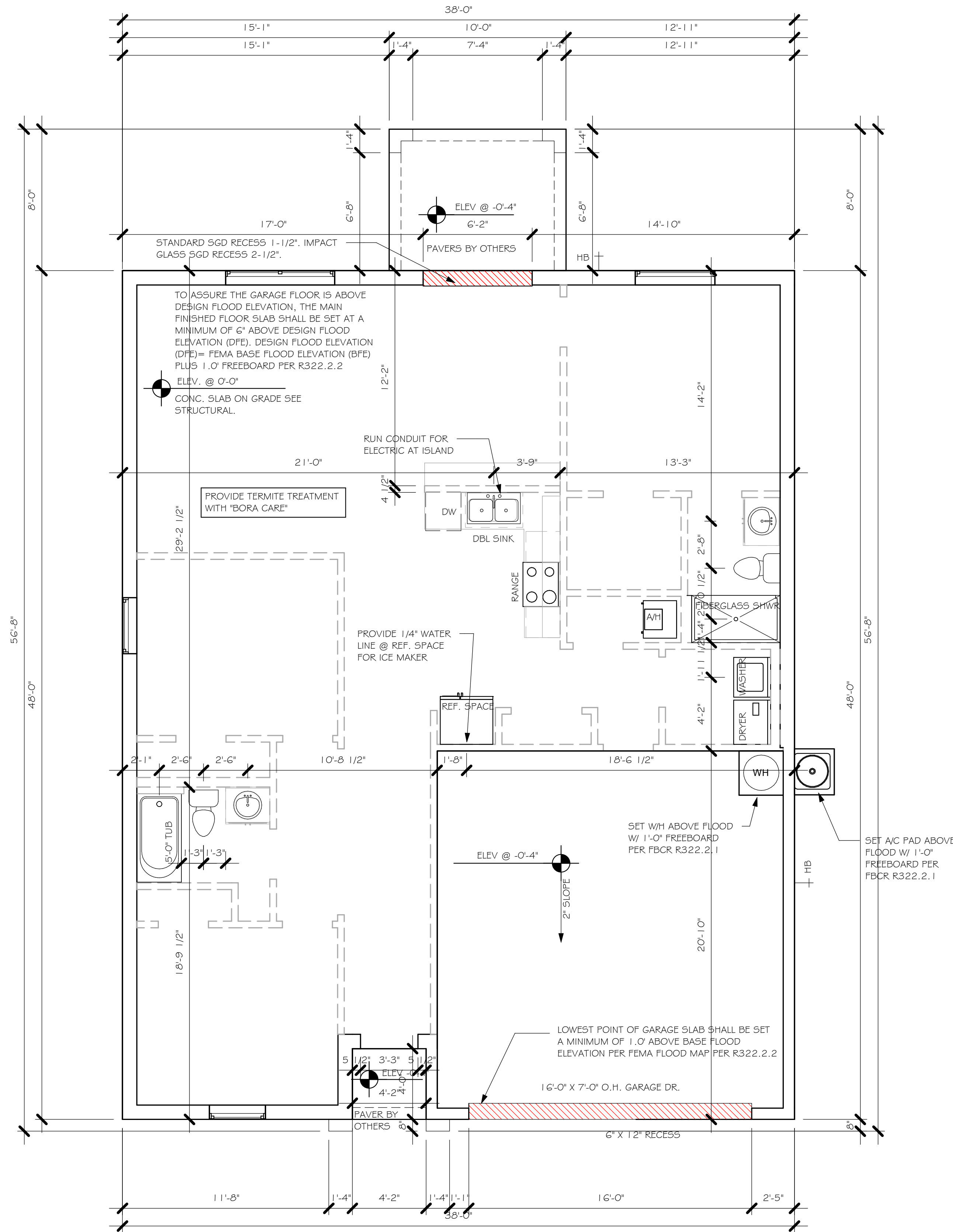
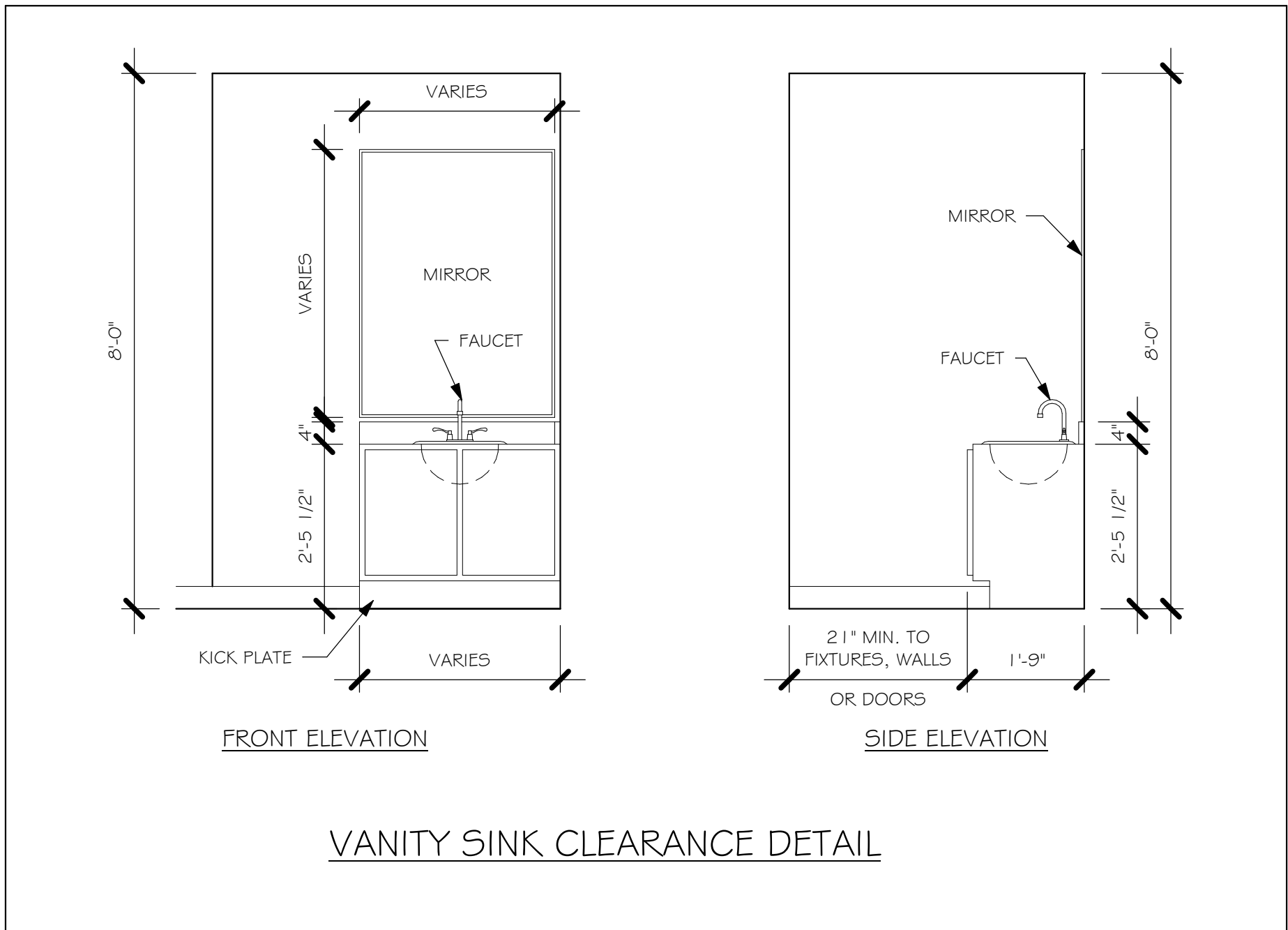


CODES TO BE USED BY OTHER DESIGN PROFESSIONALS AND LICENSED CONTRACTORS:
2020 FLORIDA BUILDING CODE, 7TH EDITION: RESIDENTIAL; ACCESSIBILITY; ENERGY CONSERVATION;
PLUMBING; MECHANICAL; AND FUEL GAS.
ELECTRICAL IS CONTAINED BY REFERENCE WITHIN FBC RESIDENTIAL CHAPTER 34: NFPA 70-17
NATIONAL ELECTRICAL CODE.

Express
HOMES

Gulf Coast
Drafting & Design, Inc.
EMAIL: PLANS@GULFCOASTDRAFTING.COM
PHONE: 239-540-1822
1515 SE 47TH ST. CAPE CORAL, FL 33904

| | | | |
|-------------------------------------|-------------|---------------------|--|
| DATE: | | 07/23/21 | |
| DRAWN BY: | | CWL | |
| CHECKED BY: | | JWC | |
| REVISED: | | | |
| PLAN: | | ELEVATION | |
| SCALE: | | As indicated | |
| MODEL # 1389 B | | GCD JOB # 13111 | |
| LOT: 43-44 | BLOCK: 5587 | | |
| SUBDIVISION: GATOR CIRCLE SPOT LOTS | | | |
| ADDRESS: 1202 NE 37TH STREET | | | |
| | | D.R.H. #: 579560235 | |



SLAB & PLUMBING
1/4" = 1'-0"

DESIGN IN ACCORDANCE WITH THE RESIDENTIAL
FLORIDA BUILDING CODE 2020 - 7TH EDITION

Y:\O-New Data\1 -MASTER 2019\2019-BUILDERS\DR HORTON 2019\SUBDIVISIONS\GATOR
CIRCLE C.O\13111 LOT 43-44 BLK 5567 1389 BRREVIT\13111 1389 BR.rvt

| DOOR SCHEDULE | | | | | |
|---------------|--------------------|--------------|--------|--------|-------|
| TYPE MARK | DESCRIPTION | MANUFACTURER | HEIGHT | WIDTH | COUNT |
| 1 | 3068 ENTRY | DISTINCTION | 6'-8" | 3'-0" | 1 |
| 2 | 2-3068 SL. GL. DR. | DISTINCTION | 6'-8" | 6'-0" | 1 |
| 3 | 16070 OHGD | GARAGE DOOR | 7'-0" | 16'-0" | 1 |

| WINDOW SCHEDULE | | | | | |
|-----------------|-------------|--------------|--------|-------|-------|
| MARK | DESCRIPTION | MANUFACTURER | HEIGHT | WIDTH | COUNT |
| A | 2-25 SH | | 5'-3" | 6'-4" | 1 |
| B | 25 SH | | 5'-5" | 3'-4" | 2 |
| C | 35 SH | | 5'-5" | 4'-8" | 1 |

| DOOR HEADERS | | |
|---------------|---------------|----------------|
| 6'-8" BI-FOLD | HEADER HEIGHT | 82" A.F.F. |
| 6'-8" SWING | HEADER HEIGHT | 82 1/2" A.F.F. |
| 8'-0" SWING | HEADER HEIGHT | 98 1/2" A.F.F. |

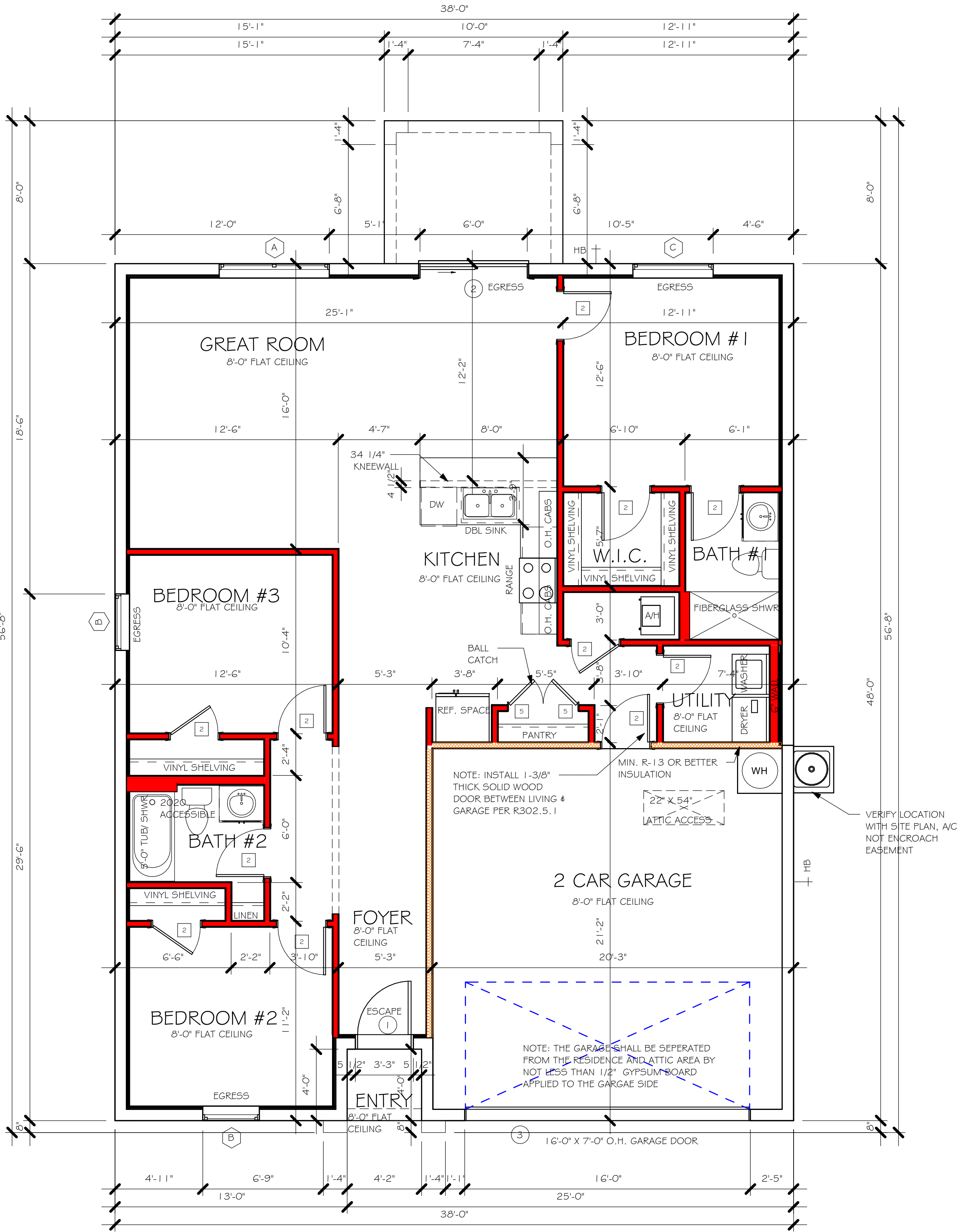
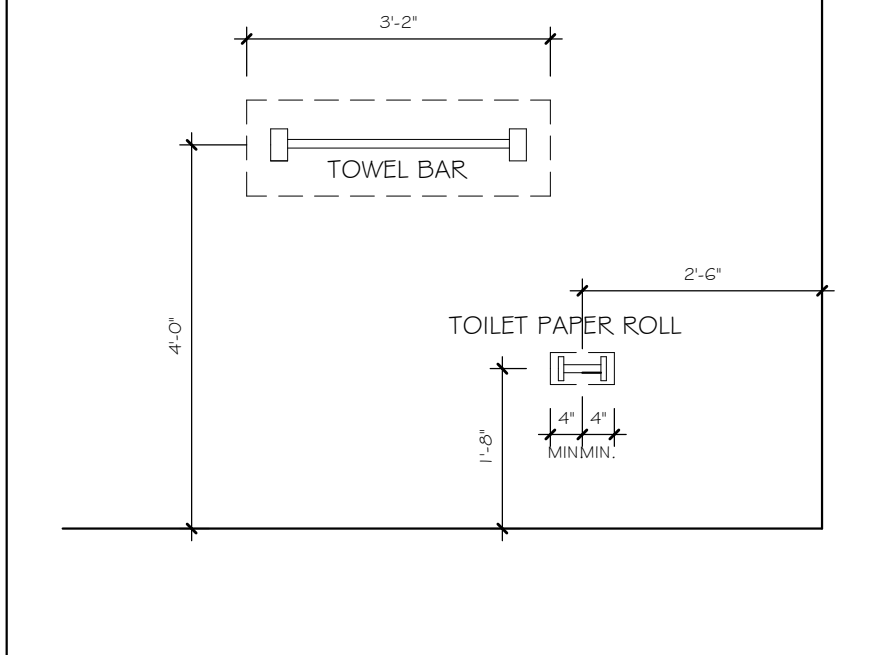
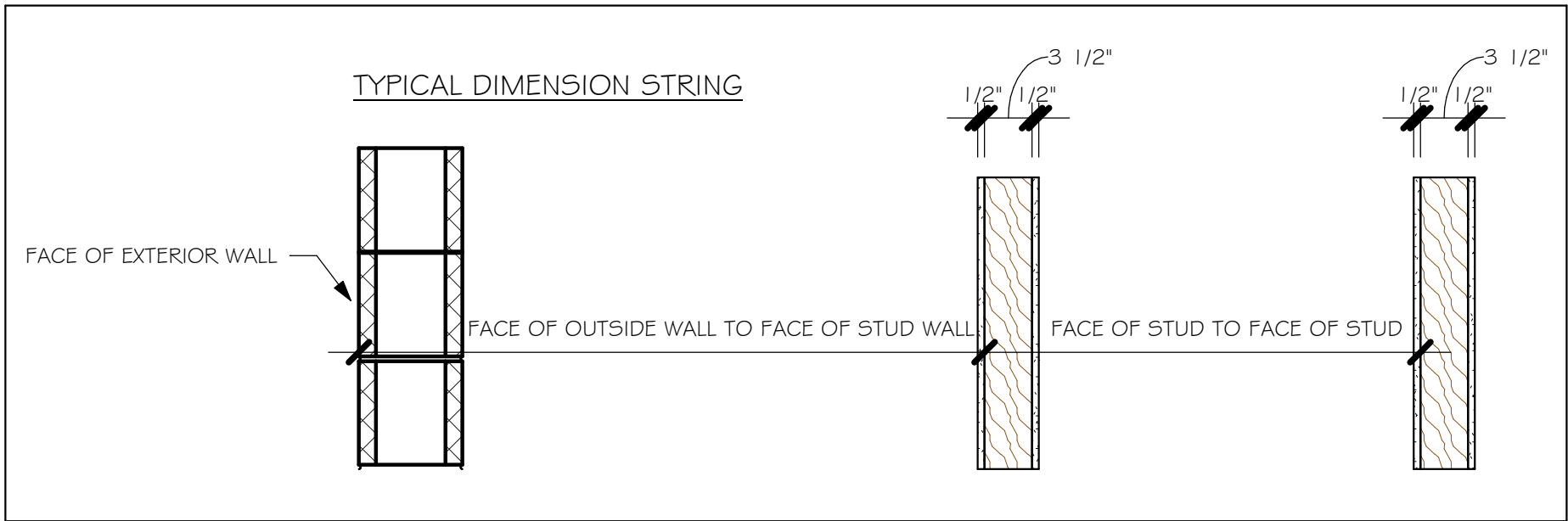
| PLAN NOTES | |
|------------|--|
| 1) | VERIFY ALL ROUGH OPENING DIMENSIONS FOR ALL WINDOWS AND DOORS |
| 2) | PROVIDE SAFETY GLAZING WITHIN 24" FROM EXIT PER FLORIDA BUILDING CODE R 308.4.2. |
| 3) | PROVIDE SAFETY GLAZING AT BATH/ SHOWER PER FLORIDA BUILDING CODE R 308.4.5. |
| 4) | NON BEARING INTERIOR FRAME WALLS SHALL BE FRAMED W/ WOOD OR METAL STUDS. SPACING SHALL NOT EXCEED 24" O.C. (NON BEARING WALLS ONLY) |
| 5) | PROVIDE DEAD WOOD IN ATTIC FOR OVERHEAD GARAGE DOOR HARDWARE |
| 6) | KITCHEN KNEE WALL TO BE FRAMED W/ TOP @ 34 1/2" A.F.F. |
| 7) | INSTALL SMOOTH WALLS IN KITCHEN AND ALL BATHROOM AREAS |
| 8) | WHERE DRYWALL CEILING IS APPLIED TO TRUSSES @ 24" O.C. USE 5/8" DRYWALL OR 1/2" SAG RESISTANT PER SEC. R702.3.5 |
| 9) | THE GARAGE SHALL BE SEPARATED FROM THE RESIDENCE & ATTIC BY NOT LESS THEN 1/2" GYPSUM BOARD APPLIED TO THE GARAGE SIDE. GARAGES BENEATH HABITABLE ROOMS SHALL BE SEPARATED WITH NOT LESS THAN 5/8" TYPE "X" GYPSUM BOARD OR EQUIVALENT. WHERE THE SEPARATION IS A FLOOR - CEILING ASSEMBLY, THE STRUCTURE SUPPORTING THE SEPARATION SHALL ALSO BE PROTECTED BY NOT LESS THAN 1/2" GYPSOM BOARD OR EQUIVALENT |
| 10) | INSTALL 1 3/8" THICK SOLID WOOD DOOR BETWEEN LIVING AND GARAGE PER FLORIDA BUILDING CODE R302.5.1. |
| 11) | ALL WINDOWS INSTALLED 72" ABOVE GRADE MUST COMPLY WITH R312.2 MIN 24" SILL HEIGHT OR PROVIDED WITH AN APPROVED WINDOW FALL PREVENTION DEVICE |
| 12) | ALL CLOSET SHELVES TO BE 12". ALL PANTRY & LINEN TO BE (4)-16" SHELVES 18" O.F.F. W/ 15" INCREMENT. |
| 13) | ALL MECHANICAL AND ELECTRICAL EQUIPMENT TO BE INSTALLED AT OR ABOVE FLOOD PLUS 1'-0" FREEBOARD. |

| INTERIOR DOOR SCHEDULE | | |
|------------------------|------------|----------------------|
| MARK | DOOR WIDTH | NOTES |
| 1 | 3'-0" | P.K. = POCKET DOOR |
| 2 | 2'-8" | B.F. = BI-FOLD DOOR |
| 3 | 2'-6" | B.P. = BI-PASS DOOR |
| 4 | 2'-4" | |
| 5 | 2'-0" | L.V. = LOUVERED DOOR |
| 6 | 1'-8" | |
| 7 | 1'-6" | |
| 8 | 2'-11" | |

| SQUARE FOOTAGE | |
|-------------------------|-------|
| LIVING AREA | 1,389 |
| GARAGE AREA | 419 |
| LANAI AREA | 80 |
| FRONT PORCH/ ENTRY AREA | 16 |
| TOTAL SQUARE FOOTAGE | 1,904 |

| CABINET BACKING | | |
|-----------------|-----------------|----------------|
| KITCHEN | UPPER TOP @ 84" | BASE TOP @ 35" |
| MASTER BATH | UPPER | BASE TOP @ 35" |
| GUEST BATH | UPPER | BASE TOP @ 31" |
| LAUNDRY ROOM | UPPER TOP @ 84" | BASE |

| BATHROOM NOTES | |
|-----------------|----------------------------------|
| TB TOWEL BAR | ALL TUB DECKS @ 21" A.F.F |
| TP TOILET PAPER | ALL BLOCKING TO BE PT IN SHOWERS |



FLOOR PLAN
1/4" = 1'-0"

DESIGN IN ACCORDANCE WITH THE RESIDENTIAL
FLORIDA BUILDING CODE 2020 - 7TH EDITION



Gulf Coast
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PHONE: 239-540-8822
1515 SE 47th ST. CAPE CORAL, FL 33904

LOT: 43-44
SUBDIVISION: GATOR CIRCLE SPOT LOTS
ADDRESS: 1202 NE 37TH STREET
BLOCK: 5587
D.R.H. #: 579560235

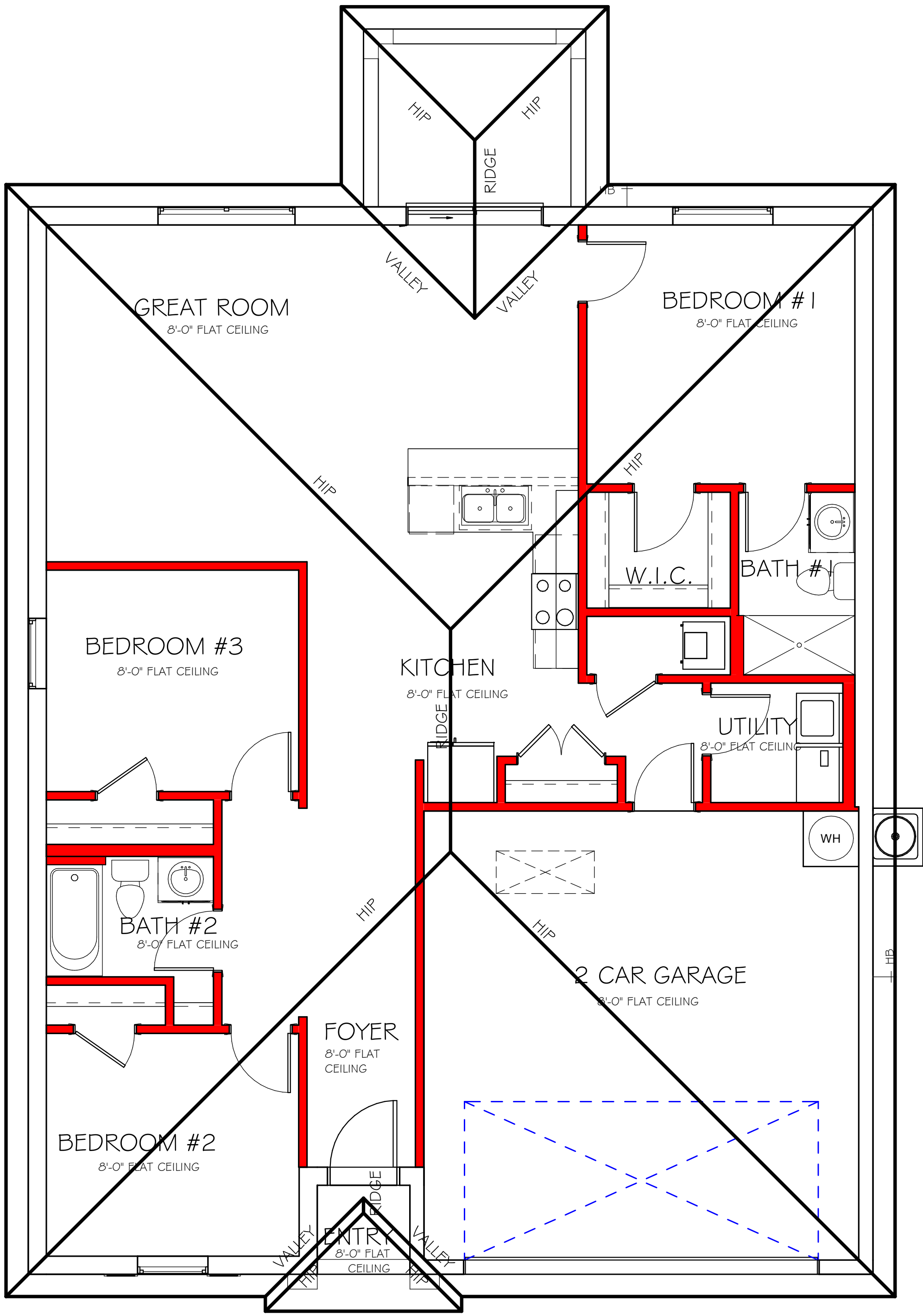
MODEL
1389 B
GCD JOB # 13111

DATE: 07/23/21
DRAWN BY: CWL
CHECKED BY: JWC
REVISED:
PLAN: FLOOR
SCALE: As indicated

Y:\New Data\1-MASTER 2019\2019-BUILDERS\DR HORTON 2019\SUBDIVISIONS\GATOR
CIRCLE C.O\13111 LOT 43-44 BLK 5567 1389 BR\REVIT\13111 1389 BR.rvt

| MODEL 1389 B: ATTIC VENTILATION FBCR R806 | | | | | | | | | |
|--|----------------|---------------|--|----------------------------|----------------------|--|---------------------------|------------------------|--|
| COORDINATE VENTING REQUIREMENTS WITH ENERGY CALCULATIONS | | | | | | | | | |
| AREAS (SQ. FT.) | | | SOFFIT ONLY (1/150) (NO ROOF VENTS) | | | WITH ROOF VENTS (1/300) (R.V.) | | | |
| ATTIC VENTILATION REQUIRED | | | ATTIC VENTILATION REQUIRED | | | ATTIC VENTILATION REQUIRED | | | |
| MARK | ATTIC | SOFFIT | ATTIC AREA/150 | REQD AIR FLOW OF SOFFIT | QUAD 4 SOFFIT HAS | ATTIC AREA/300 | QUANTITY OF ROOF VENTS | MIN AIR FLOW OF SOFFIT | |
| 1st STORY | 2000.0 SQ. FT. | 176.0 SQ. FT. | 13.33 SQ. FT. | 7.57% | 8.15% | --- SQ. FT. | - | ---% | |
| | | | "SOFFIT ONLY" QUALIFIES | | | ROOF VENTS ARE NOT REQUIRED | | | |
| | | | SOFFIT MODEL | | | ROOF VENT MODEL | | | |
| | | | ACM QUAD 4, FULL VENT, NARROW PATTERN, 8.15% FREE AIR FLOW | | | 32" BASE 22-3/8" BASE LOMANCO 770-D 0.97 SQ. FT. FREE AIR | | | |

| WALL HEIGHT | |
|-------------|----------------|
| <div></div> | = WALL @ 8'-0" |



ROOF PLAN
1/4" = 1'-0"

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FLORIDA BUILDING CODE 2020 - 7TH EDITION

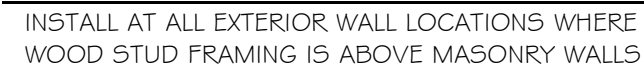


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| | |
|-------------------------------------|-------------|
| LOT: 43-44 | BLOCK: 5567 |
| SUBDIVISION: GATOR CIRCLE SPOT LOTS | |
| ADDRS: 1202 NE 37TH STREET | |
| D.R.H. #: 579560235 | |

| | |
|-------------------|-----------------|
| MODEL # 1389 B | GCD JOB # 13111 |
|-------------------|-----------------|

| | |
|-------------|--------------|
| DATE: | 07/23/21 |
| DRAWN BY: | CWL |
| CHECKED BY: | JWC |
| REVISED: | |
| PLAN: | ROOF |
| SCALE: | As indicated |



- 2

DOOR AND WINDOW ANCHORAGE

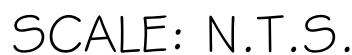
ANCHORAGE REQUIREMENTS- ALL PASSS AND SLIDING GLASS DOORS AND ALL WINDOW ASSEMBLIES SHALL BE ANCHORED TO THE MAIN WIND FORCE RESISTING SYSTEM IN A MANNER SPECIFIED BY THE PUBLISHED MANUFACTURERS LITERATURE. THERE SHALL BE NO SUBSTITUTION OF ALTERNATE FASTENINGS UNLESS PROVIDED BY THE MANUFACTURER AND APPROVED BY THE BUILDING DESIGN ENGINEER.

MASONRY OPENING

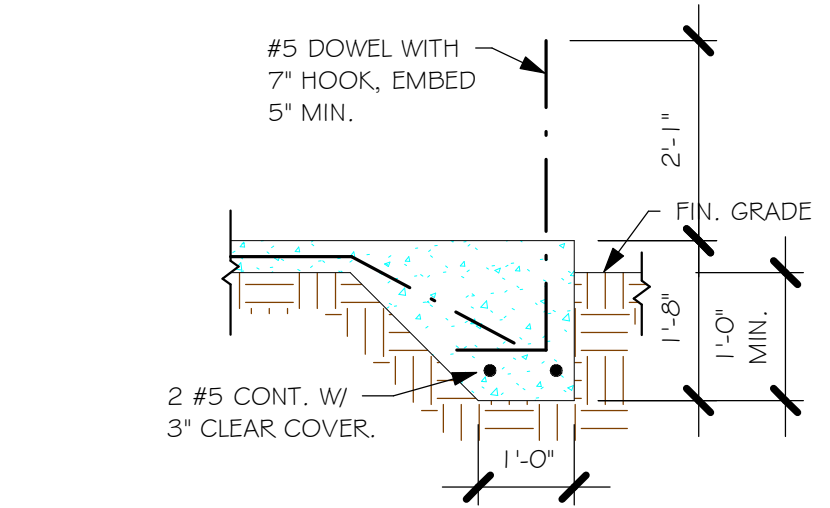
WHERE WINDOW FRAME IS DESIGN TO FASTEN WITH SCREWS THROUGH THE FRAME AND INTO THE MASONRY, THE BUCK MATERIAL IS SIMPLY A SPACER. THE BUCK MAY BE FASTENED WITH THE T NAILS OR ANY SUITABLE FASTENER TO TACK IT INTO POSITION PRIOR TO WINDOW INSTALLATION. FASTEN WINDOW FRAME PER MFR INSTRUCTIONS. A WINDOW FASTENER SHALL PENETRATE MASONRY BY 2 1/4" MIN.

WHERE WINDOW FRAME IS DESIGNED TO FASTEN ONLY TO THE WOOD BUCK (IE, FLANGED FRAME WITH WOOD STUDS), THE BUCKS SHALL BE 2X WOOD STRUCTURAL LVL FASTENING TO THE MASONRY WITH 1/4 X 3 3/4 MASONRY SCREWS @ 24" OC AND 6" FROM EACH END.

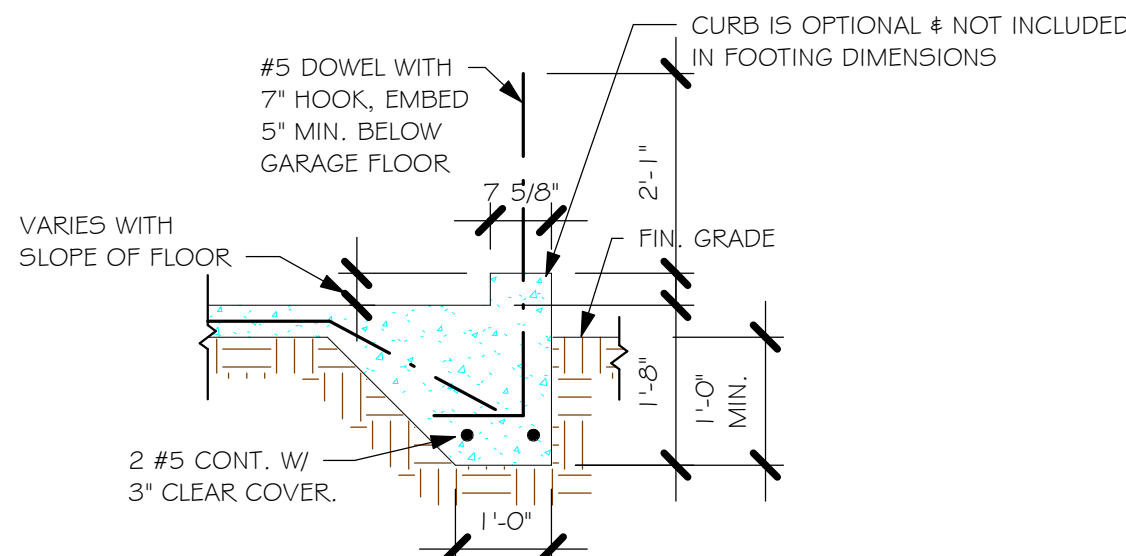
WOOD FRAMED OPENING- ALL DOORS AND WINDOWS SHALL BE INSTALLED ACCORDING TO THE PUBLISHED MANUFACTURERS LITERATURE OF THE ASSEMBLY BEING INSTALLED TO THE ROUGH SUBSTRATE OPENING. SHIMS SHALL BE MADE OF MATERIALS CAPABLE OF RESISTING THE APPLIED LOADS AND SHALL BE LOCATED NEAR EACH FRAME FASTENER TO MINIMIZE DISTORTION OF THE FRAME AS THE FASTENERS ARE TIGHTENED .



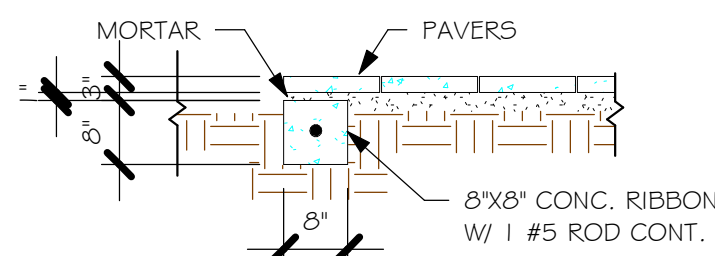
Y:\O-New Data\1-MASTER 2019\2019-BUILDERS\DR HORTON 2019\SUBDIVISIONS\GATOR
CIRCLE C.O.I.3.1.1 LOT 43-44 BLK 5567 1389 BRREVIT.13.1.1 1389 BR.rvt



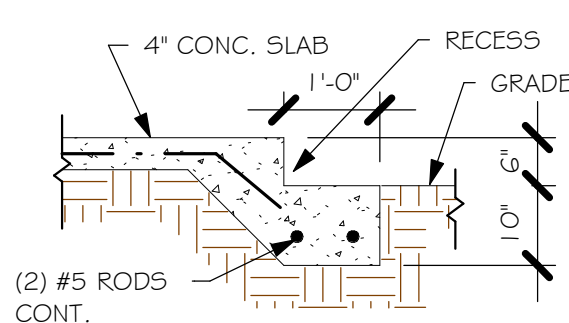
"F3" FOOTING
1/2" = 1'-0"



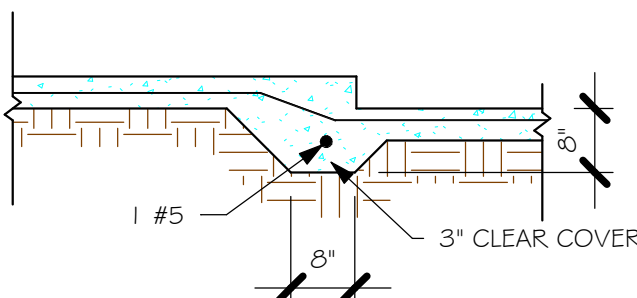
"F3" WITH CURB AT GARAGE
1/2" = 1'-0"



"P" PAVERS DETAIL ENTRY/ LANAI
1/2" = 1'-0"



GARAGE DOOR RECESS
1/2" = 1'-0"



"FGA" STEP DOWN
1/2" = 1'-0"

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

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

PROVIDE CORNER BARS PER 6/5-3

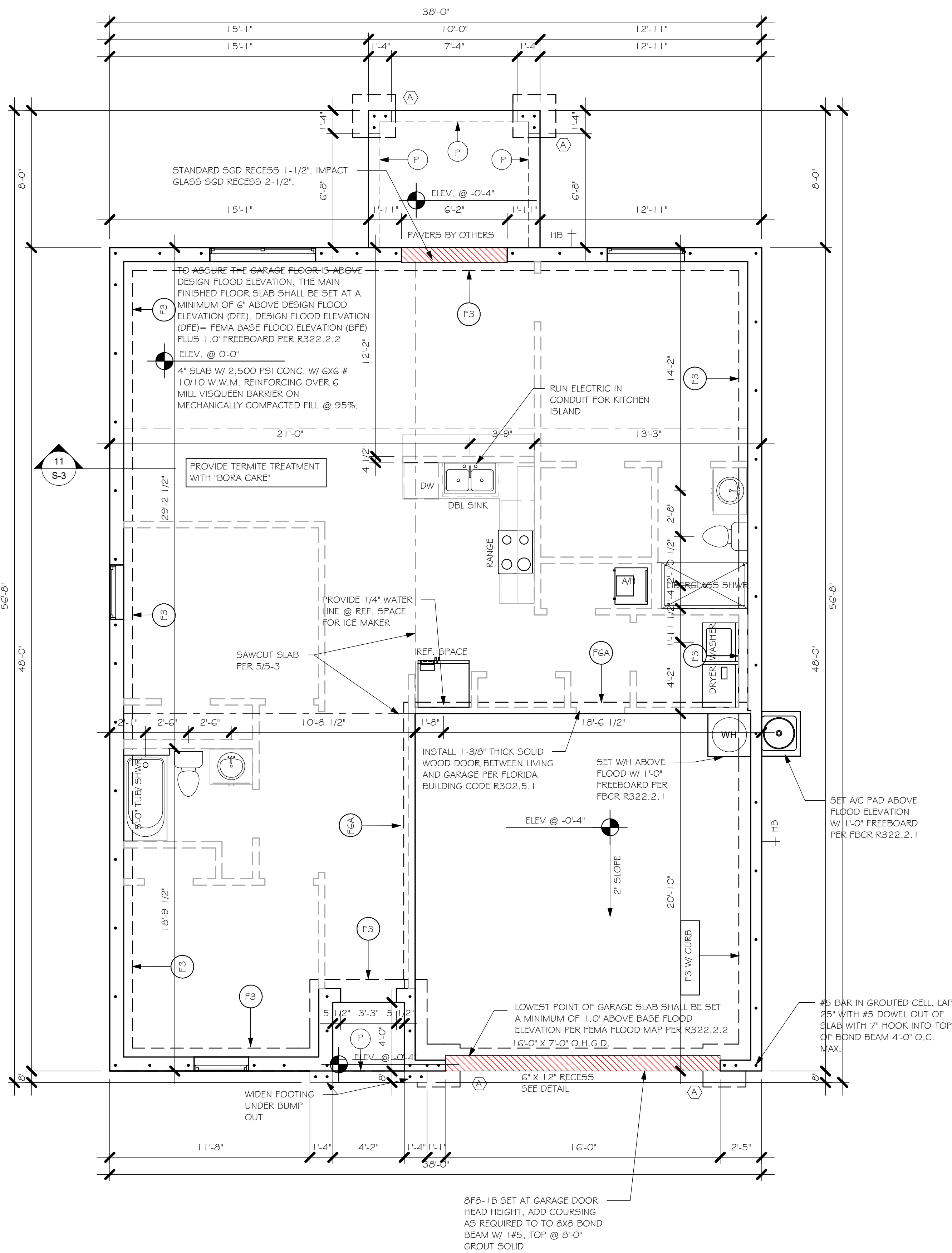
ADD CURB TO GARAGE, SEE DETAIL

FOUNDATION PLAN

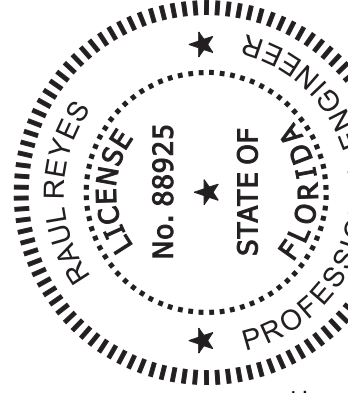
SCALE: 1/4" = 1'-0"

PLAN NOTES:

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



FOUNDATION
1/4" = 1'-0"



This item has been digitally signed by Raul Reyes on the date adjacent to the seal. Printed copies of this document are not considered signed and sealed and the signature must be validated on any electronic copies.

DESIGN IN ACCORDANCE WITH THE RESIDENTIAL
FLORIDA BUILDING CODE 2020 - 7TH EDITION

LOT: 43-44

SUBDIVISION: GATOR CIRCLE SPOT LOTS

ADDRESS: 1202 NE 37TH STREET

D.R.H. #: 5795G0235

MODEL

1389 B

GCD JOB # 13111

DATE: 07/23/21

DRAWN BY: CWL

CHECKED BY: JWC

REVISED:

PLAN: FOUNDATION PLAN

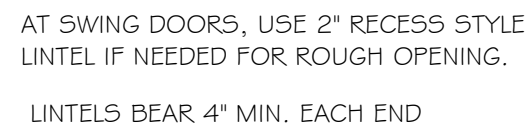
SCALE: As indicated

S-1

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 CENTERLINE OF WALL.
2. ANY OF THE VALID LENGTHS SHOWN MAY BE USED IN PLACE OF THE LENGTH SPECIFIED ON PLAN.
3. CONNECTORS ARE SIMPSON STRONG TIE. ALL CONNECTORS SHALL BE INSTALLED IN STRICT ACCORDANCE WITH SIMPSON PRINTED INSTRUCTIONS. SUBSTITUTIONS MUST BE APPROVED IN WRITING BY THE ENGINEER OF RECORD.
4. WHERE EMBEDDED STRAPS ARE MISSING, OR MIS-LOCATED, INSTALL RETROFIT STRAP PER I O5-3. PER UPLIFT IN TRUSS ENGINEERING.

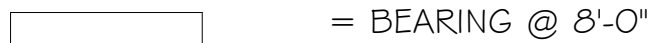
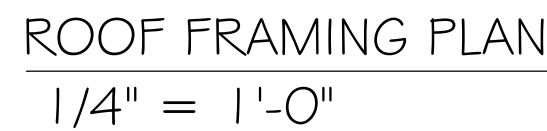
SIMPSON CATALOG C-C- 2019



1. ROOF TRUSS BEARING @ 8'-0".
2. ROOF FRAMING SHALL BE WOOD TRUSSES DESIGNED BY A DELEGATED TRUSS ENGINEER PER DESIGN CRITERIA ON SHEET 5-3.
3. PROVIDE STRAPPING AT TRUSSES PER NOTES ON THIS SHEET.
4. FOR NAILING OF ROOF AND FLOOR DECK, SEE I AND ON 5-3.
5. 8'-8" - 1'8" *etc.*, DENOTES PRECAST LINTEL ABOVE DOOR WINDOW OPENING PER SCHEDULE THIS SHEET.
6. AT TRUSS BEARING, PROVIDE 6x8 MASONRY BOND BEAM W/ #5 CONTINUOUS, SEE DETAIL 11/5-3.



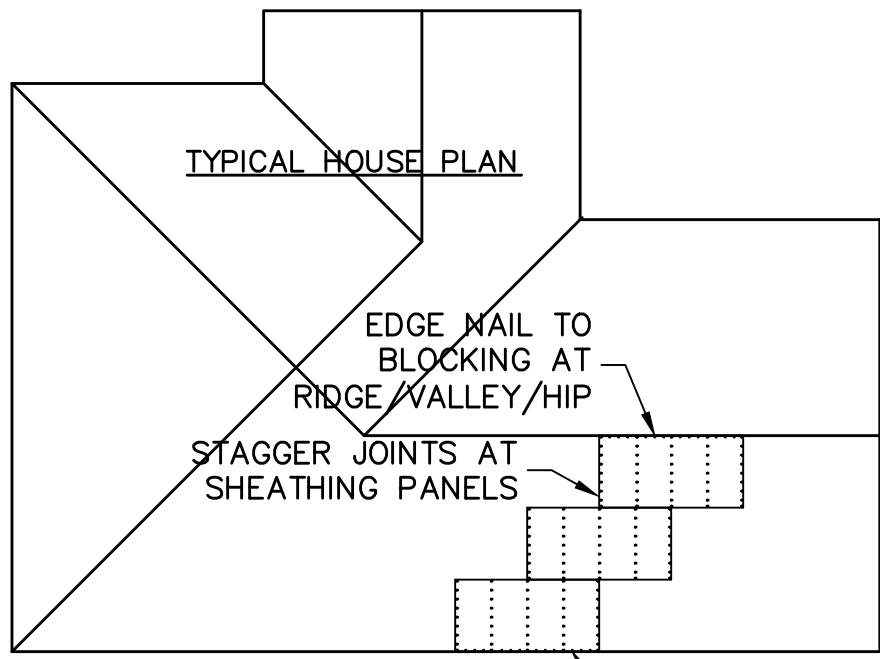
TRUSS BEARING CONDITIONS AND STRAPPING IS
BASED ON TRUSS LAYOUT PREPARED BY SCOSTA
JOB#: DR1389BL DATED: 11/30/20 REVISED: NONE



DESIGN IN ACCORDANCE WITH THE RESIDENTIAL
FLORIDA BUILDING CODE 2020 - 7TH EDITION

TABLE R803.2.3.1 – NAIL SPACING BASED ON SPECIFIC GRAVITY OF RAFTER/TRUSS: ALL TRUSS TOP CHORDS AND FIELD ROOF FRAMING SHALL BE SOUTHERN PINE, SPECIFIC GRAVITY=0.55 (EXCEEDS SG=0.42 AND 0.49 OF TABLE R803.2.3.1).

ENSURE THAT ALL NAILS PENETRATE THE TOP CHORD OF THE TRUSS WITHOUT SPLITTING.



NAIL SPACING (TABLE R803.2.3.1) WIND SPEED / EXPOSURE

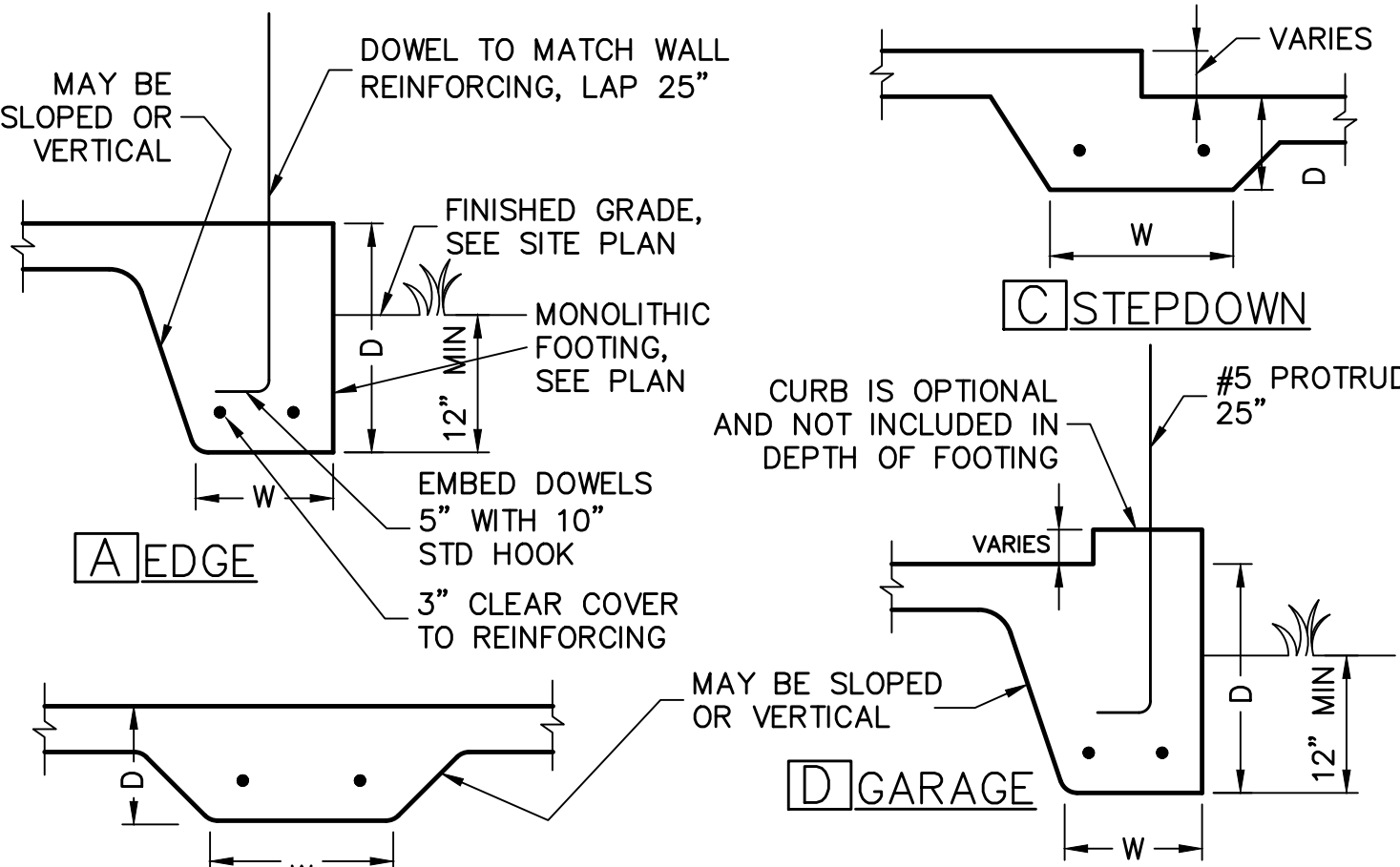
| 160/B, 160/C, 170/B | 170/C |
|--|--|
| NAIL SPACING: 6" O.C. EDGE 6" O.C. FIELD | NAIL SPACING: 4" O.C. EDGE 4" O.C. FIELD |

NAIL TYPE (SECTION R803.2.3.1) 19/32 SHEATHING

| |
|---|
| 2 1/2" x 0.131" RING SHANK OR 3" x 0.120" RING SHANK (PER ASTM F1667 RSR-03 & 04) |
|---|

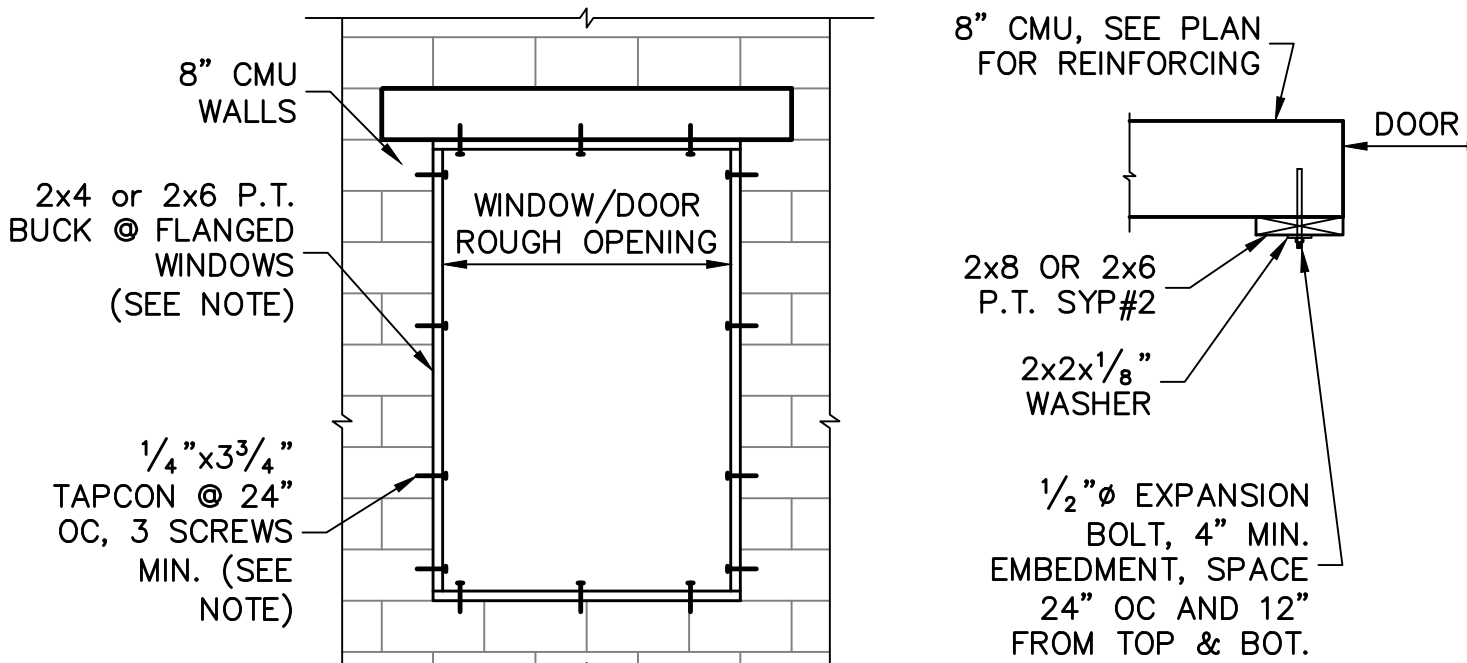
1 NAILING OF ROOF SHEATHING

SCALE: NTS



4 MONOLITHIC FOOTINGS

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



BUCK FASTENING

GARAGE DOOR

NOTE: THIS BUCK FASTENING DETAIL IS INTENDED FOR FLANGED WINDOW/DOOR PRODUCTS THAT FASTEN THRU THE FLANGE WITH WOOD SCREWS TO THE BUCK. FOR WINDOW/DOOR PRODUCTS THAT DO NOT HAVE A FLANGE AND FASTEN INSTEAD OUTWARD THRU THE FRAME, USE MASONRY SCREWS PER MFR. THAT ARE LONG ENOUGH TO PENETRATE 2-1/4" INTO THE MASONRY. IN THIS CASE, THE BUCK MATERIAL IS SIMPLY A SPACER AND MAY BE 1x4 OR 1x6 OR OMITTED ENTIRELY AND THE SPACER MAY BE TACKED IN PLACE WITH MASONRY NAILS OR PINS.

RETROFIT STRAPS TO CONCRETE/MASONRY

| TRUSS UPLIFT (LBS) @ 24" OC | CONNECTOR |
|-----------------------------|----------------|
| TO 840 | 1-MTSM16 or 20 |
| TO 1045 | 1-HTSM16 or 20 |
| TO 2090 | 2-HTSM16 or 20 |
| TO 4300 | 2-LGT2 |
| TO 3480 | HTT16 |
| TO 10530 | 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 SIMPSON STRONG TIE. ALL CONNECTORS SHALL BE INSTALLED IN STRICT ACCORDANCE WITH SIMPSON PRINTED INSTRUCTIONS.

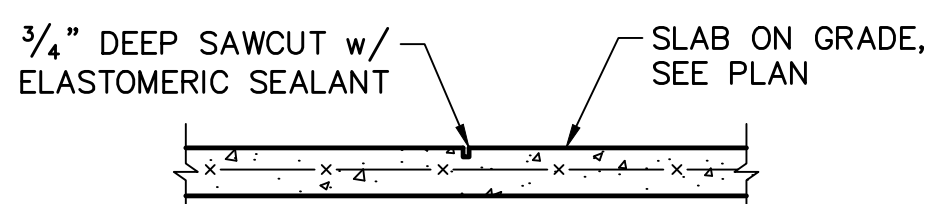
10 RETROFIT UPLIFT CONNECTOR SCHEDULE

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 |
| EXTERIOR CEILING | 1) 1x4 STRIPPING @ 16"OC w/ 2-8d NAILS TO EACH TRUSS, 3/8" EXTERIOR GYPBOARD CEILING, FASTEN W/8d NAILS OR 1 1/8" DRYWALL SCREWS @ 6"OC EDGE & FIELD. 2) 3/8" BC PLYWOOD NAILED W/ 6d COMMON @ 6" OC EDGE & FIELD. |
| ROOF – PER FBCR TABLE 803.2.2 | ALUMINUM PERFORATED SOFFIT INSTALLED PER MANUFACTURER INSTRUCTIONS TO MEET WIND PRESSURES PER R704. |

NOTE: EXTERIOR CEILINGS SPECIFIED ABOVE MEET THE DESIGN WIND PRESSURES PER R703.1.2

2



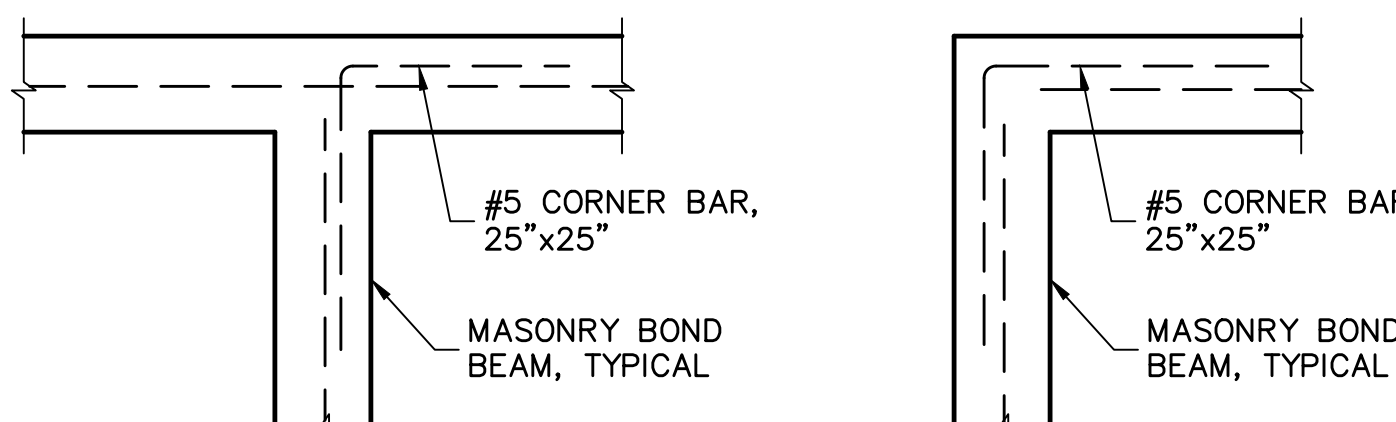
NOTES:

- 1) PROVIDE SAWCUTS TO CREATE APPROXIMATE 20' X 20' MAXIMUM SQUARES.
- 2) SAWCUT CONCRETE SLAB WITHIN 4 TO 12 HOURS OF CONCRETE PLACEMENT.

SLAB SAWCUT DETAIL

SCALE: NTS

5



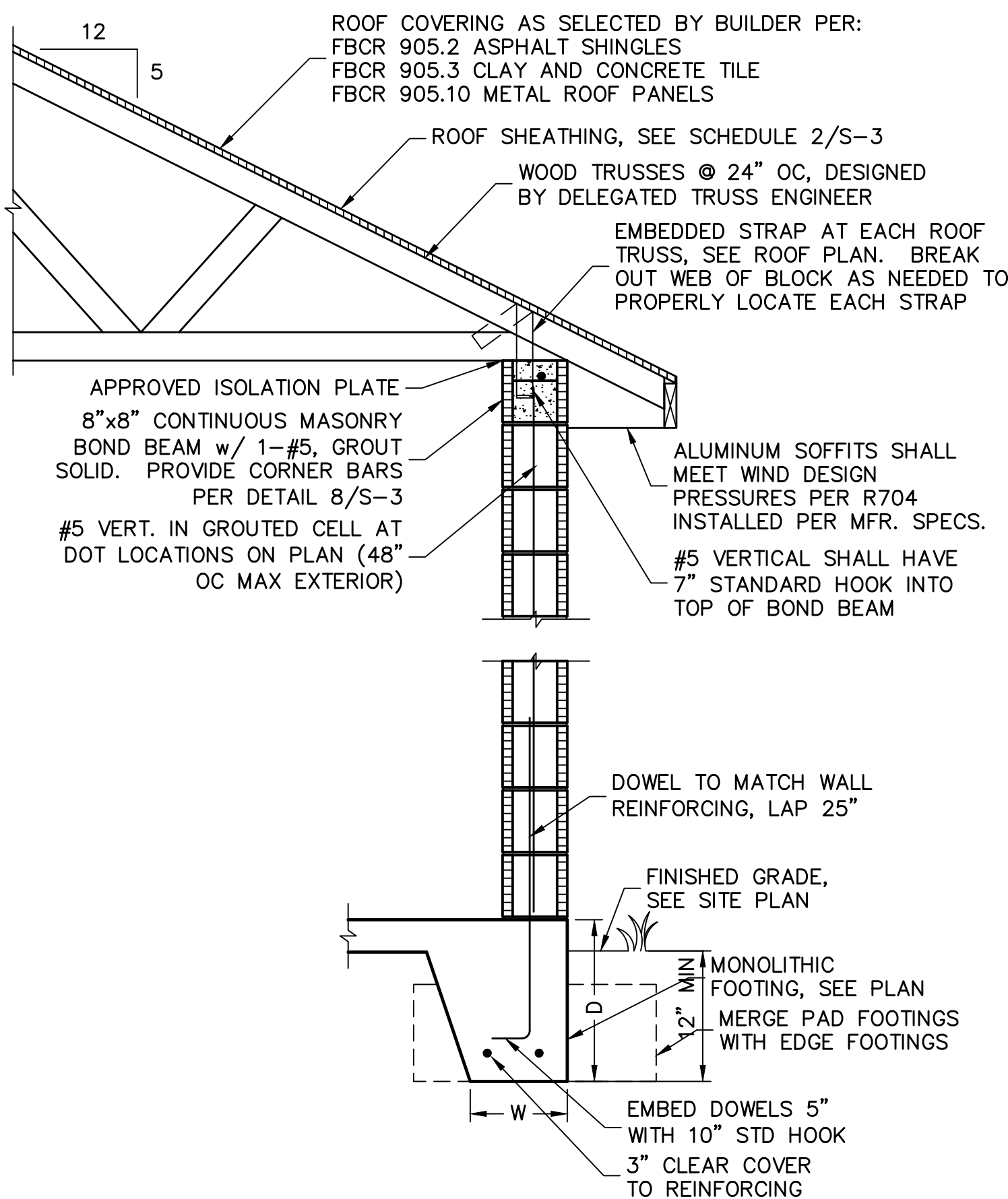
INTERSECTION

CORNER

CORNER BAR DETAIL IN BOND BEAMS

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

8



FULL HEIGHT WALL SECTION

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

11

WINDOW/DOOR/SOFFIT DESIGN WIND PRESSURES

WIND PRESSURES PER ASCE7-16, 160 MPH, EXPOSURE C, AND CONVERTED TO ALLOWABLE STRESS DESIGN PRESSURES USING 0.6W LOAD FACTOR. (Vwsd=124 MPH, RISK CAT II, ENCLOSED, Kd=0.85, It=1.15)

| TYPE | INTERIOR ZONE 4 | END ZONE 5 |
|------------------------------|-----------------|-------------|
| SOFFIT (10 SQ. FT.) | +33.5 -36.3 | +33.5 -44.8 |
| WINDOWS & DOORS (10 SQ. FT.) | +33.5 -36.3 | +33.5 -44.8 |
| 8' OR 9' GARAGE DOORS | +29.4 -33.3 | |
| 16' OR 18' GARAGE DOORS | +28.2 -31.5 | |

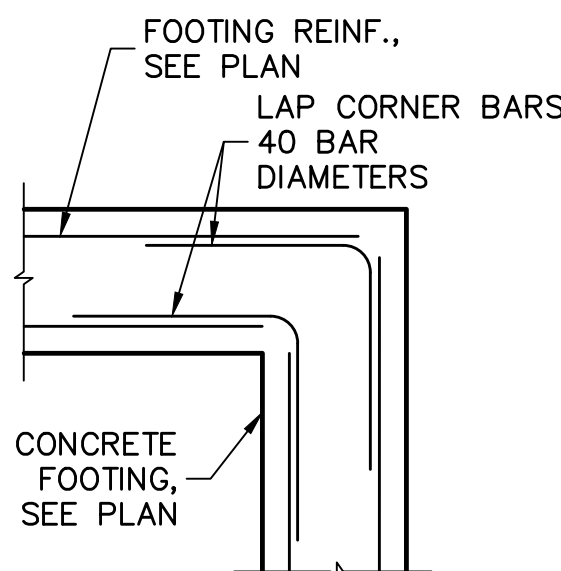
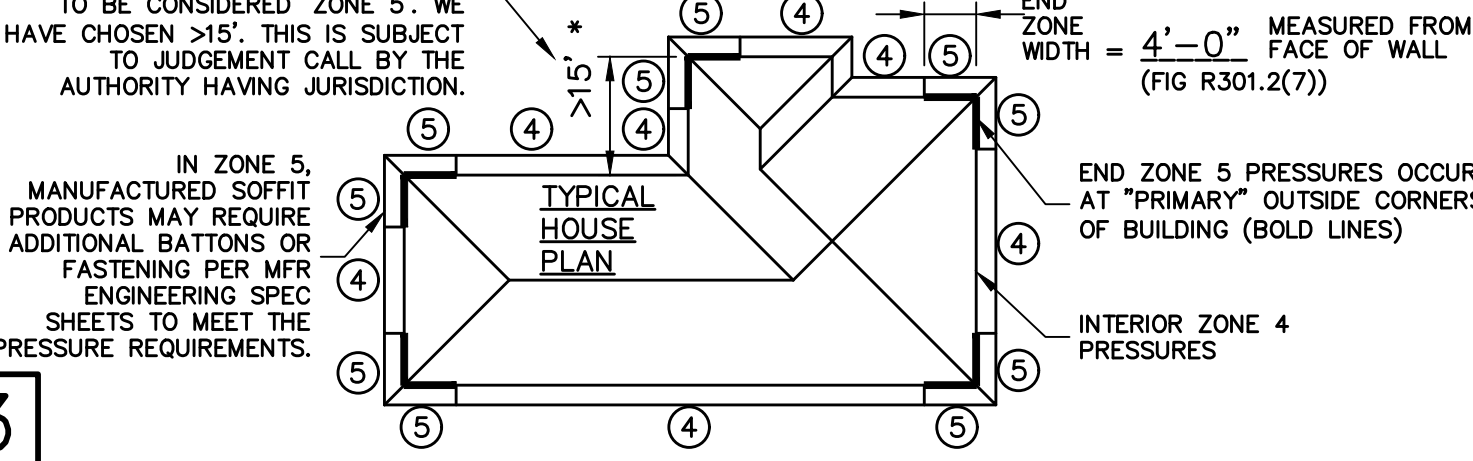
(SEE PLAN FOR OTHER SPECIFIC PRESSURES)

- 1) TABLE MAY BE USED FOR ANY SIZE WINDOW OR DOOR IN EACH TYPE.
- 2) USE "INTERIOR ZONE 4" PRESSURES UNLESS WINDOW OR DOOR IS LOCATED WITHIN THE "END ZONE 5" (SEE DIAGRAM BELOW), THEN USE THE HIGHER PRESSURES UNDER THE "END ZONE 5" COLUMN.
- 3) ALL GLASS / GLAZING SHALL BE IMPACT RATED OR USE IMPACT RATED SHUTTERS.
- 4) SUBMIT PRODUCT APPROVALS TO THE BUILDING DEPARTMENT AS REQUIRED BY THE LOCAL JURISDICTION.
- 5) MANUFACTURED SOFFIT PRODUCTS SHALL BE INSTALLED PER MFR ENGINEERING SPEC SHEETS.

* ON IRREGULAR SHAPED BUILDINGS, THERE IS NO GUIDANCE IN THE CODE FOR HOW FAR A CORNER MUST PROTRUDE FROM THE MAIN BUILDING TO BE CONSIDERED "ZONE 5". WE HAVE CHOSEN >15'. THIS IS SUBJECT TO JUDGEMENT CALL BY THE AUTHORITY HAVING JURISDICTION.

IN ZONE 5, MANUFACTURED SOFFIT PRODUCTS MAY REQUIRE ADDITIONAL BATTENS OR FASTENING PER MFR ENGINEERING SPEC SHEETS TO MEET THE PRESSURE REQUIREMENTS.

3

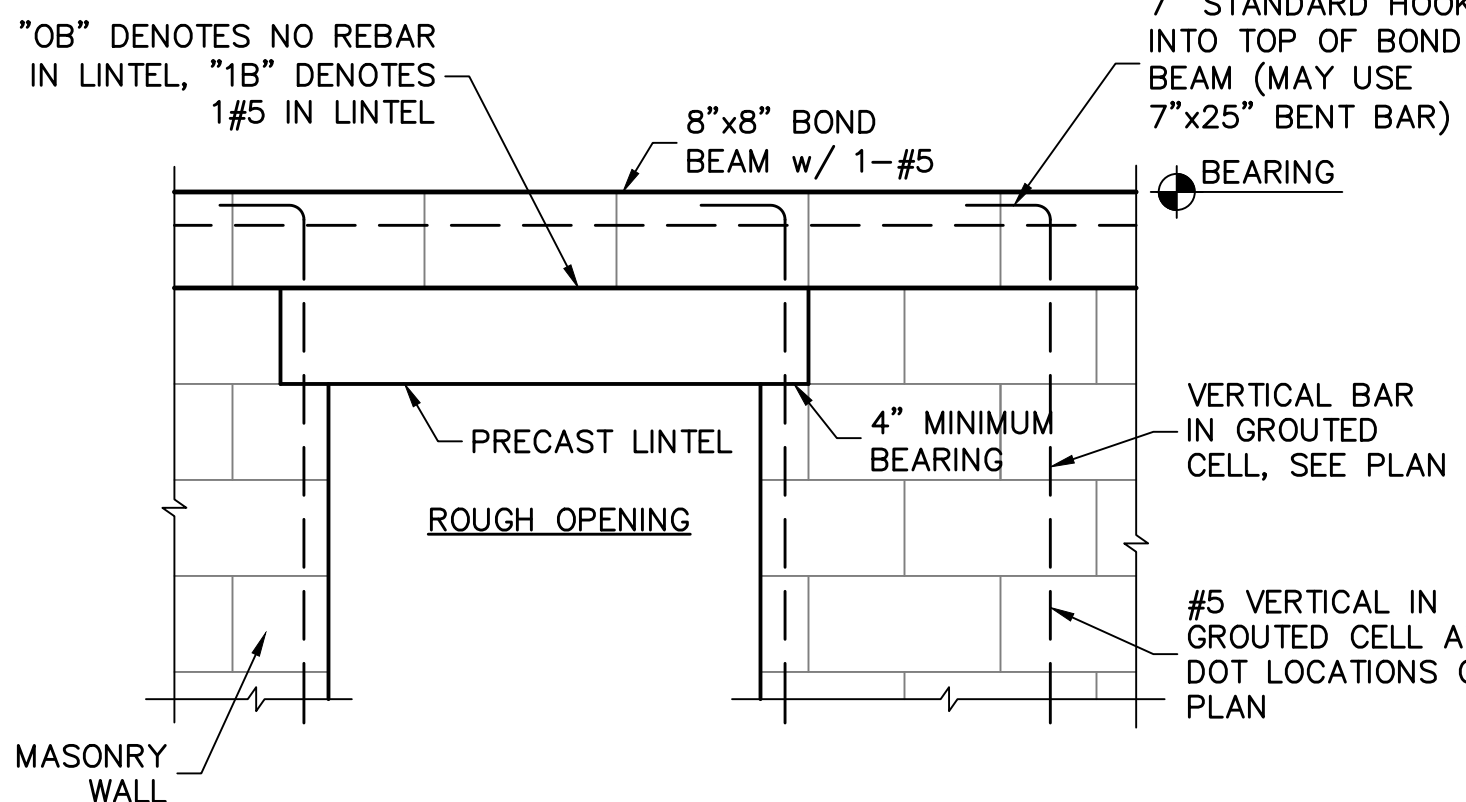


PLAN VIEW

FOOTING CORNER BARS

SCALE: NTS

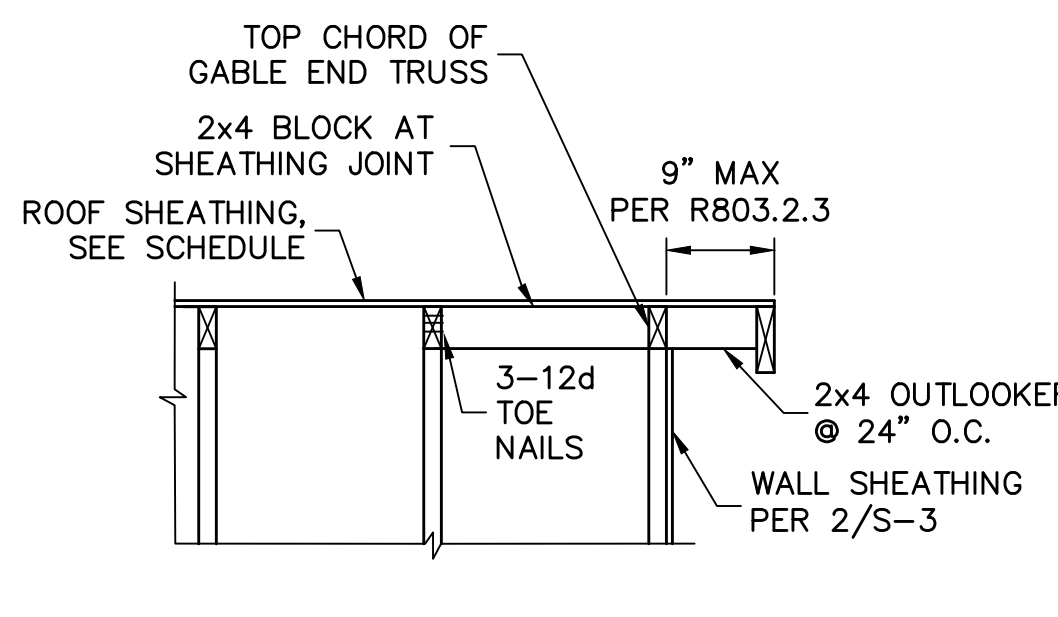
6



BOND BEAM & REINFORCING

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

9



THIS DETAIL ONLY USED FOR ELEVATION A

OUTLOOKER DETAIL

SCALE: N.T.S.

12

DESIGN CRITERIA:

DESIGN IN ACCORDANCE WITH REQUIREMENTS OF THE FLORIDA BUILDING CODE 7th EDITION (2020) 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, ASCE7-16
BASIC WIND SPEED (ASCE7-16) 160 MPH
NOMINAL WIND SPEED (Vwsd 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 C
INTERNAL PRES. COEFF. +/- 0.18
WINDOW/DOOR DESIGN WIND PRESSURE PER TABLE R301.2(2), R301.2(3) AND R301.2(4), SEE DETAIL ON S-3.
SOFFITS – PER R704, ALL SOFFITS & THEIR ATTACHMENTS SHALL BE CAPABLE OF RESISTING THE DESIGN PRESSURES SPECIFIED IN TABLE R301.2(2) FOR WALLS USING 10 SQ. FT.

3. REINFORCED CONCRETE:
DESIGN AS PER ACI 318-14
REQUIRED COMPRESSIVE STRENGTH AT 28 DAYS:
SLAB ON GRADE f'c = 2500 PSI
3/4" MINIMUM THICKNESS REINFORCED WITH 6x6 w/1.4xw/1.4 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" CENTERED
SLAB ON GRADE 2"
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.

4. REINFORCED MASONRY:
DESIGN PER TMS 402/602-16
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.

5. DELEGATED-ENGINEERED WOOD ROOF TRUSSES:
ALL WOOD ROOF 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
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.

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).

| REVISIONS | BY |
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STRUCTURAL ENGINEERING:
STRUCTURAL SYSTEMS OF NORTH FLORIDA
1634 S.E. 47th STREET, SUITE #3
CAPE CORAL, FL 33904
(239) 549-4554
CA# 8629



D.R. HORTON
America's Builder

STRUCTURAL DETAILS
MODEL 1389 EXPRESS B
1202 NE 37TH STREET
CAPE CORAL, FLORIDA
LOT: 43 - 44 BLOCK: 5587
SUBDIVISION: GATOR CIRCLE SPOT LOTS

| |
|-------------------------|
| DESIGN/DRAWN DWB/DWB |
| CHECKED DWB |
| DATE 07/26/21 |
| SCALE VARIES |
| JOB NO. DR 13111 |
| SHEET |

S - 3

SHEET 3 OF 3

FOR SCOSTA TRUSSES, MODEL 1389 ELEVATION B, JOB # DRI389BL, DATED: 11/30/20, REVISED: NONE
DESIGNED IN ACCORDANCE WITH FLORIDA BUILDING CODE 7th EDITION (2020) RESIDENTIAL
BUILDER: