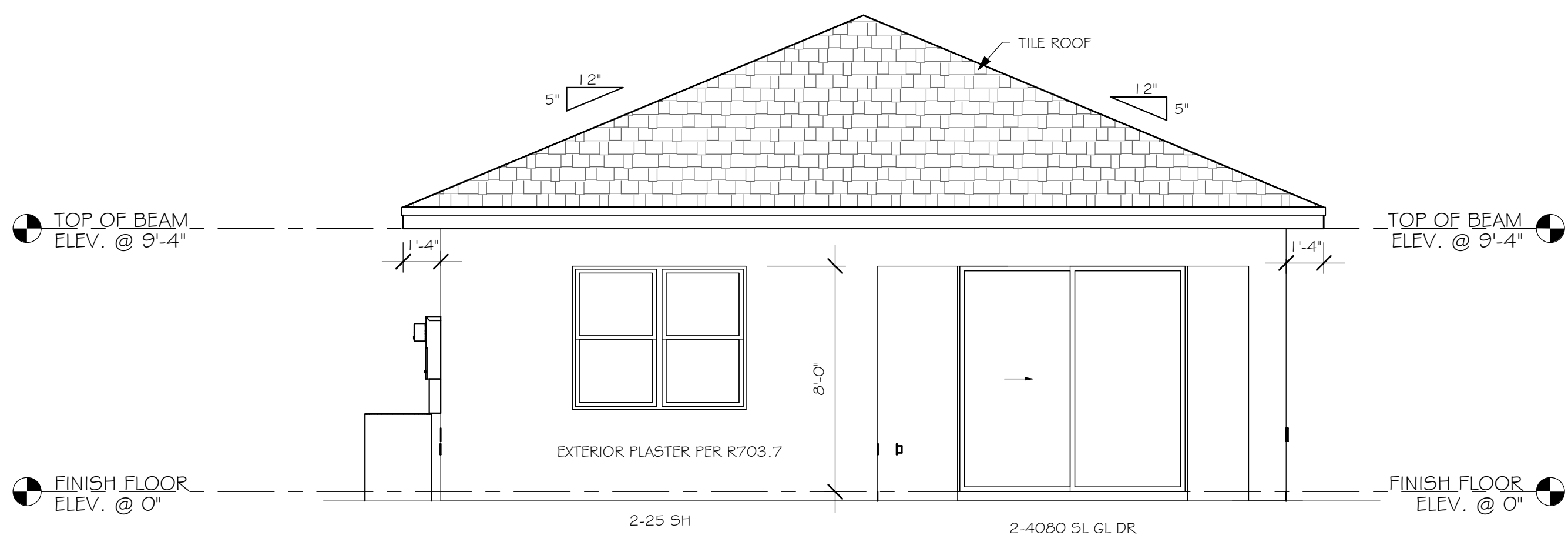
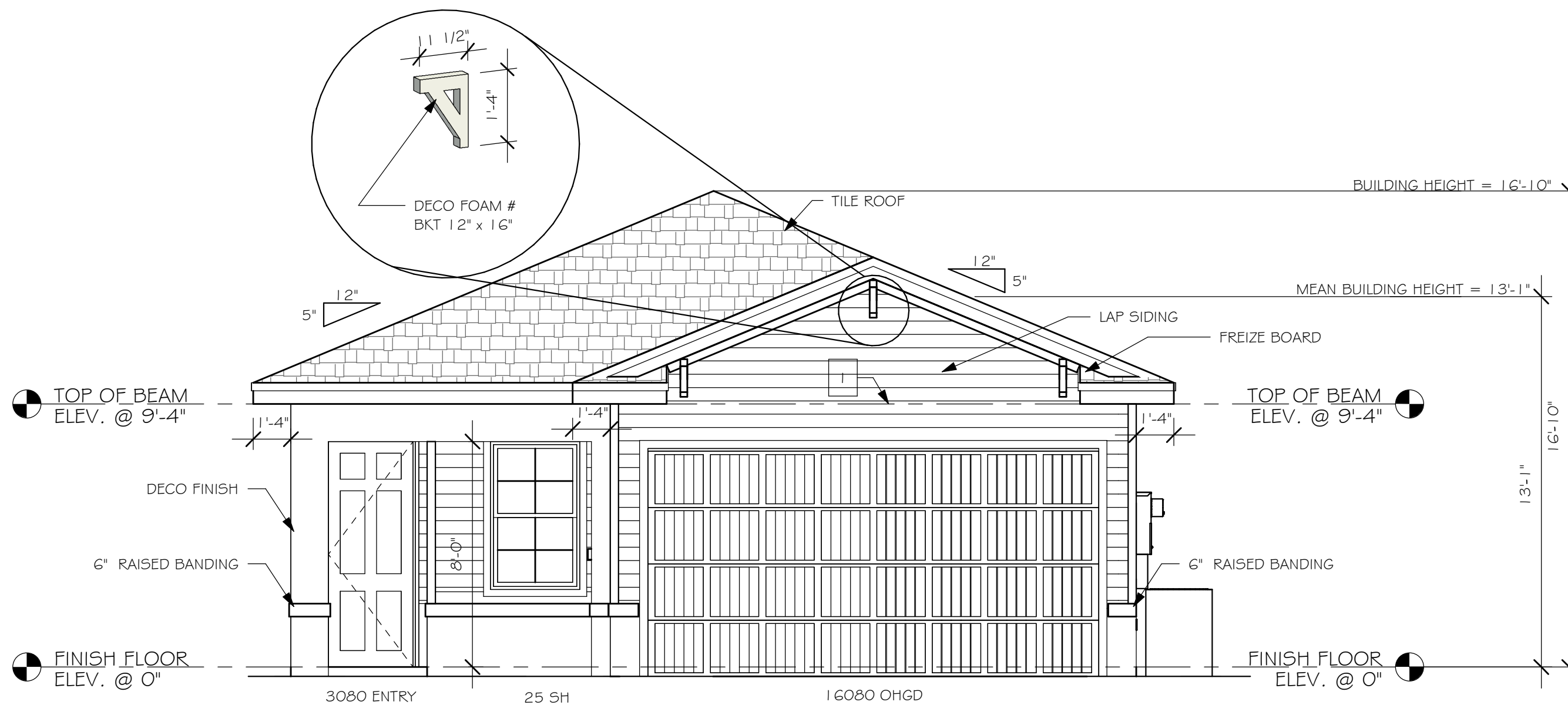




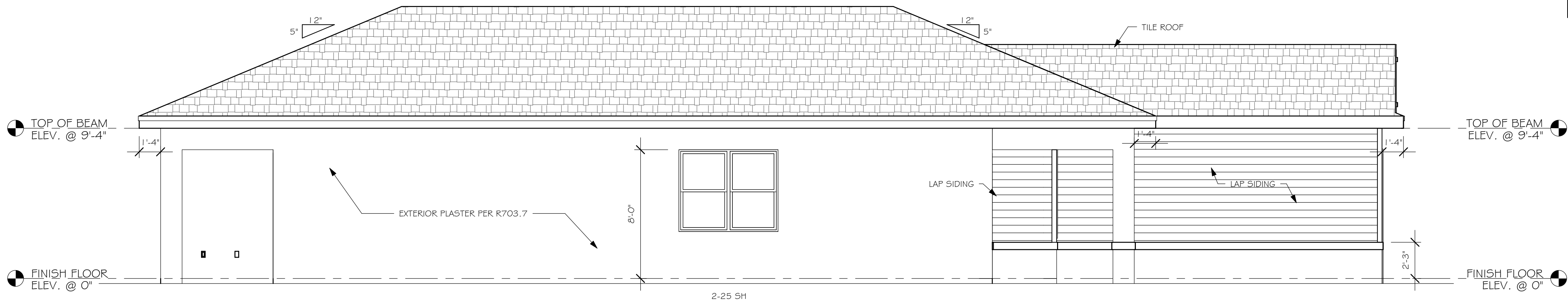


REAR ELEVATION "ER"  
1/4" = 1'-0"



FRONT ELEVATION "ER"  
1/4" = 1'-0"

- 1 MID-WALL WEEP SCREED AT WOOD MASONRY INTERFACE. INSTALL STRICTLY PER MFG. INSTRUCTIONS
- 2 ROOF / WALL SCREED INSTALL STRICTLY PER MFG. INSTRUCTIONS

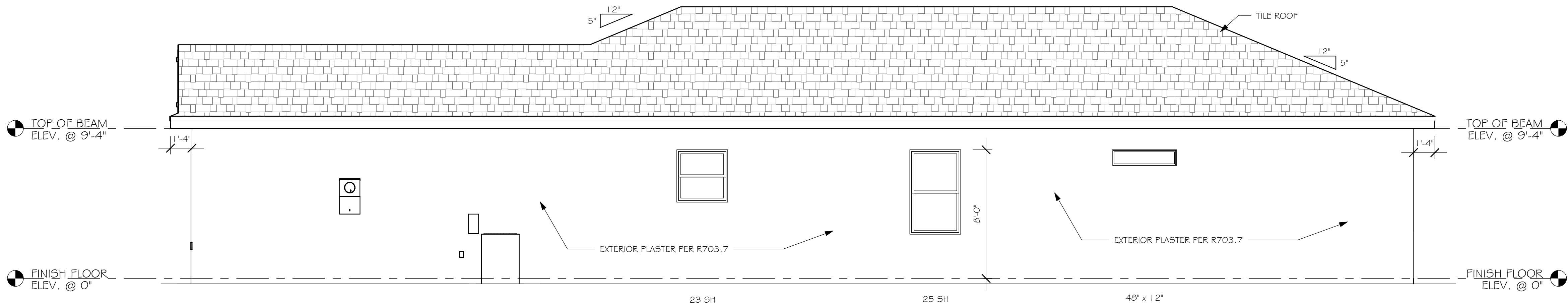


LEFT ELEVATION "ER"  
1/4" = 1'-0"

FLORIDA BUILDING CODE 7TH EDITION

OCCUPANCY: FBC 310.5 RESIDENTIAL GROUP R-3  
CONSTRUCTION TYPE: V-B (FIRE RESISTANCE RATING 0 HOURS, NOT SPRINKLED)

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.

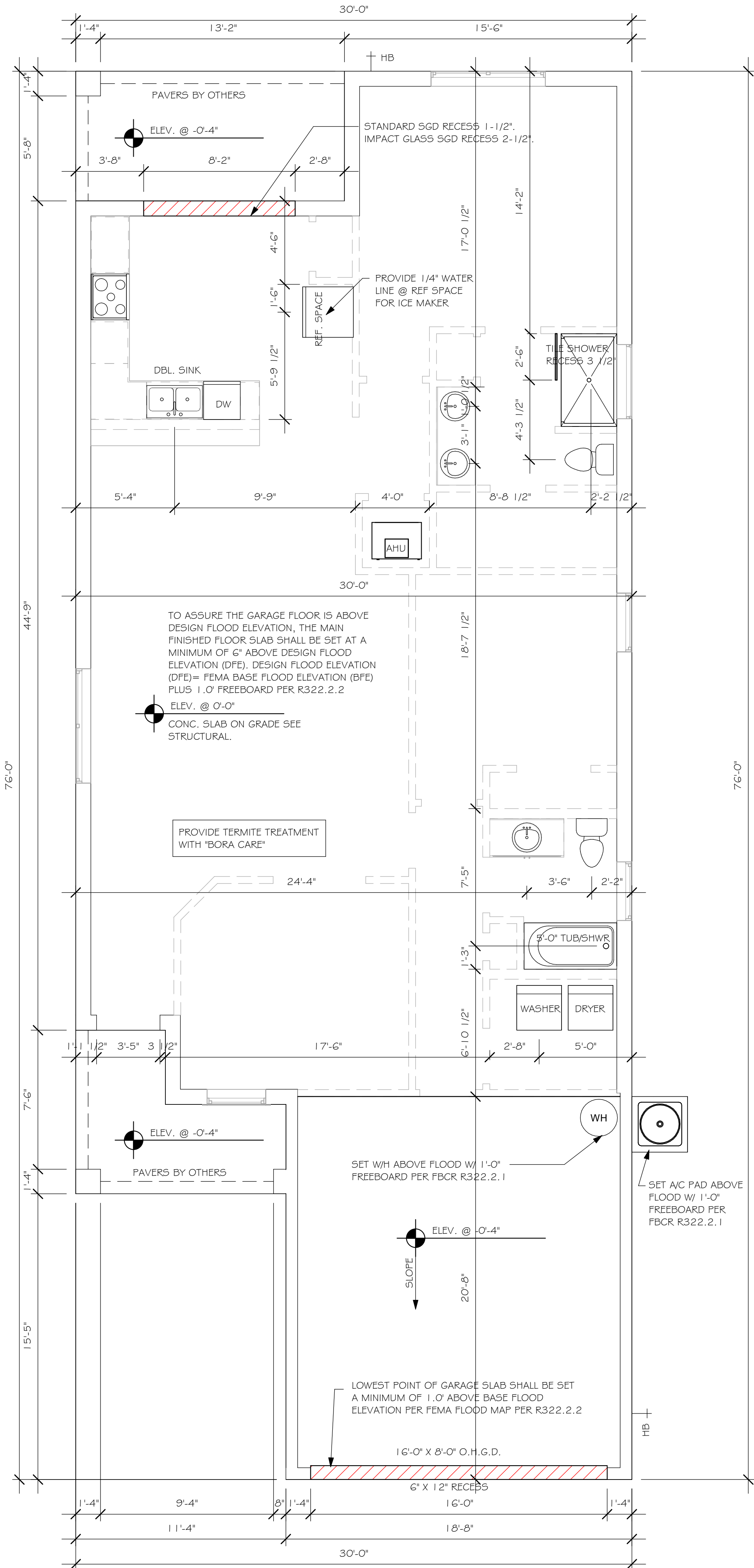
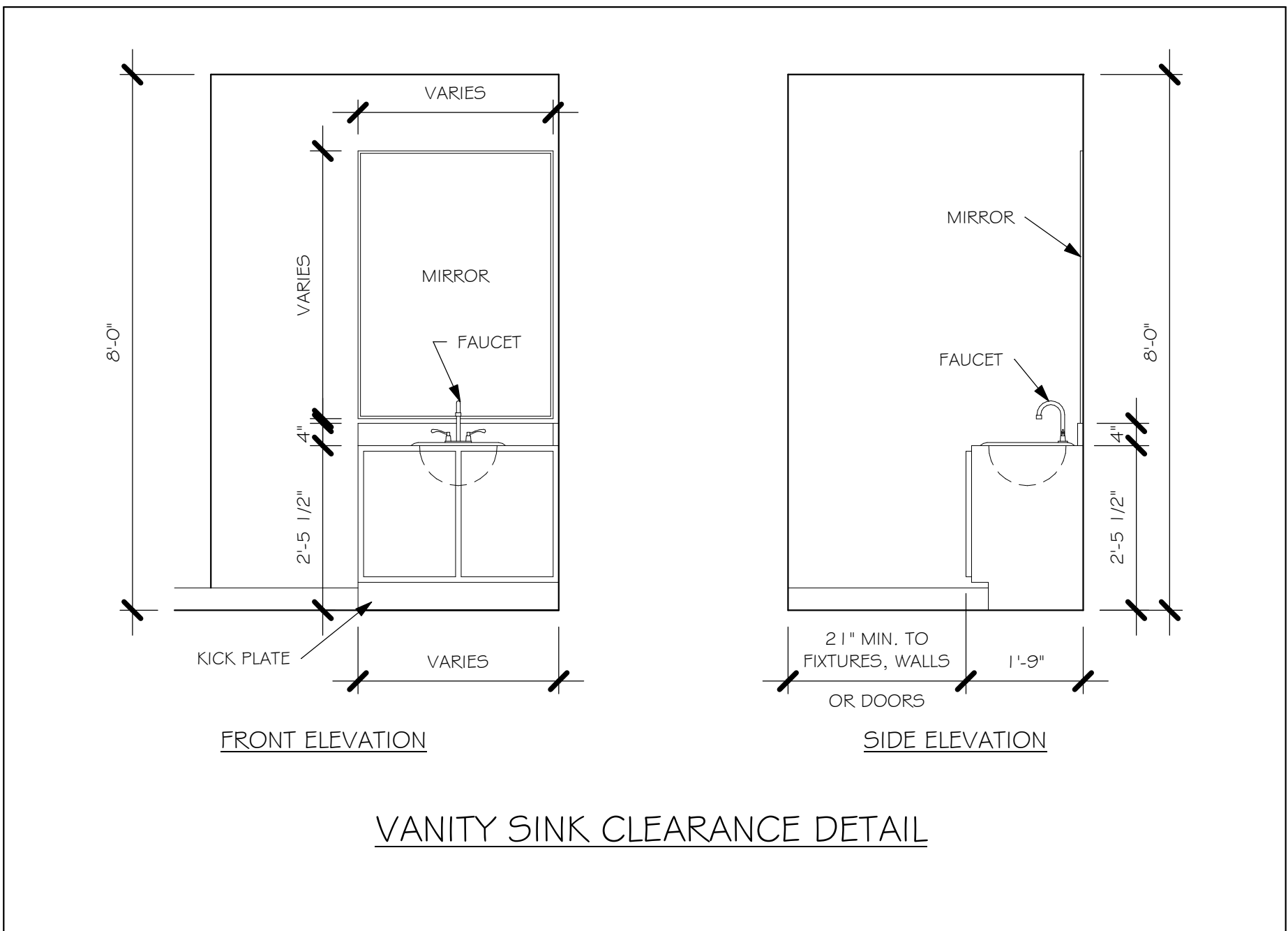
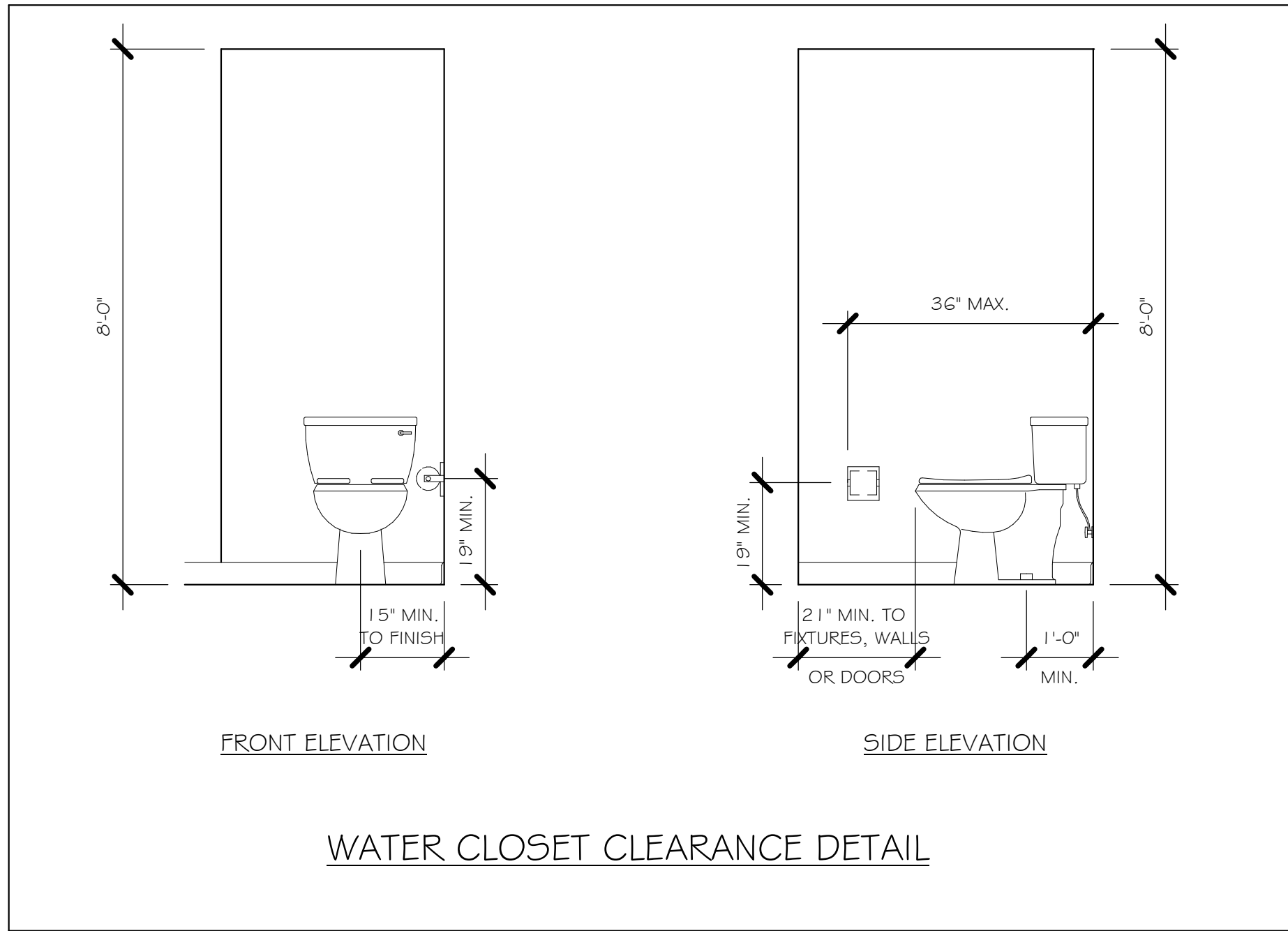


RIGHT ELEVATION "ER"  
1/4" = 1'-0"

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\SEASONS BONITA 506\13044 LOT 492 1543 ER\REVIT\13044 1543  
ER.rvt



|                                                                                                            |  |
|------------------------------------------------------------------------------------------------------------|--|
| <b>D.R.HORTON</b><br>America's Builder                                                                     |  |
| <b>Gulf Coast</b><br>Drafting & Design, Inc.                                                               |  |
| EMAIL: PLANS@GULFCOASTDRAFTING.COM<br>PHONE: 239-540-1622<br>1515 SE 47th ST. CAPE CORAL, FL 33904         |  |
| LOT: 492<br>SUBDIVISION: SEASONS BONITA 40s<br>ADDRESS: 1 6797 SEASONS COAST DRIVE<br>D.R.H. #: 5792 10392 |  |
| MODEL<br>1543<br>GCD JOB # 13044                                                                           |  |
| DATE: 07/09/21                                                                                             |  |
| DRAWN BY: CWL                                                                                              |  |
| CHECKED BY: JWC                                                                                            |  |
| REVISED:                                                                                                   |  |
| PLAN:<br>SLAB & PLUMBING PLAN                                                                              |  |
| SCALE:<br>As indicated                                                                                     |  |
| A-2 ER                                                                                                     |  |



| DOOR SCHEDULE |                    |              |        |         |          |     |
|---------------|--------------------|--------------|--------|---------|----------|-----|
| MARK          | DESCRIPTION        | MANUFACTURER | HEIGHT | WIDTH   | COMMENTS | QTY |
| 1             | 1 6080 OHGD        | GARAGE DOOR  | 8'-0"  | 1 6'-0" |          | 1   |
| 2             | 3080 ENTRY         |              | 8'-0"  | 3'-0"   |          | 1   |
| 3             | 2-4080 SL. GL. DR. |              | 8'-0"  | 8'-0"   | IMPACT   | 1   |

|   |                    |             |       |        |        |  |
|---|--------------------|-------------|-------|--------|--------|--|
| 1 | 16080 OHGD         | GARAGE DOOR | 8'-0" | 16'-0" |        |  |
| 2 | 3080 ENTRY         |             | 8'-0" | 3'-0"  |        |  |
| 3 | 2-4080 SL. GL. DR. |             | 8'-0" | 8'-0"  | IMPACT |  |

| WINDOW SCHEDULE |             |              |        |       |          |     |
|-----------------|-------------|--------------|--------|-------|----------|-----|
| MARK            | DESCRIPTION | MANUFACTURER | HEIGHT | WIDTH | COMMENTS | QTY |
| A               | 25 SH       |              | 5'-5"  | 3'-4" | IMPACT   | 2   |
| B               | 23 SH       |              | 3'-5"  | 3'-4" | IMPACT   | 1   |
| C               | 2-25 SH     |              | 5'-3"  | 6'-4" | IMPACT   | 2   |
| D               | 48" X 12"   | FIXED GLASS  | 1'-2"  | 4'-2" | IMPACT   | 1   |

|   |           |             |       |       |        |   |
|---|-----------|-------------|-------|-------|--------|---|
| A | 25 SH     |             | 5'-5" | 3'-4" | IMPACT | 2 |
| B | 23 SH     |             | 3'-5" | 3'-4" | IMPACT | 1 |
| C | 2-25 SH   |             | 5'-3" | 6'-4" | IMPACT | 2 |
| D | 48" X 12" | FIXED GLASS | 1'-2" | 4'-2" | IMPACT | 1 |

OPT IMPACT GLASS MAY BE INSTALLED IN LIEU OF SHUTTERS VERIFY W/ CONTRACT

| 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           |

|              |                 |                |
|--------------|-----------------|----------------|
| 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           |

| SQUARE FOOTAGE |          |
|----------------|----------|
| LANAI AREA     | 1 02 SF  |
| LIVING AREA    | 1 544 SF |
| GARAGE AREA    | 383 SF   |
| ENTRY AREA     | 74 SF    |
| TOTAL AREA     | 2 102 SF |

|             |         |
|-------------|---------|
| LANAI AREA  | 102 SF  |
| LIVING AREA | 1544 SF |
| GARAGE AREA | 383 SF  |
| ENTRY AREA  | 74 SF   |
| TOTAL AREA  | 2102 SF |

# PLAN NOTES

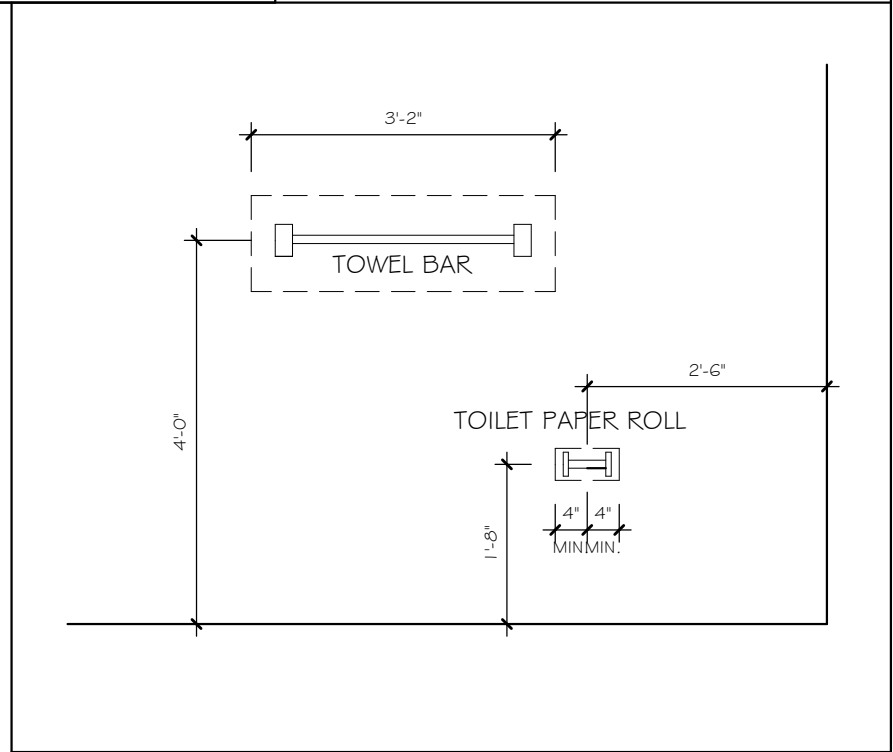
- 1) VERIFY ALL ROUGH OPENING DIMENSIONS FOR ALL WINDOWS AND DOORS
- 2) PROVIDE SAFETY GLAZING WITHIN 24" FROM EXIT PER FLORIDA BUILDING CODE R 308.4.2.
- 3) PROVIDE SAFETY GLAZING AT BATH/ SHOWER PER FLORIDA BUILDING CODE R 308.4.5.
- 4) NON BEARING INTERIOR FRAME WALLS SHALL BE FRAMED W/ WOOD OR METAL 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 A ATTIC BY NOT LESS THAN 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" GYPSUM 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 R31.2.2 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'-10"     | B.F. = BI-FOLD DOOR  |
| 3                      | 2'-8"      | B.P. = BI-PASS DOOR  |
| 4                      | 2'-6"      | L.V. = LOUVERED DOOR |
| 5                      | 2'-4"      |                      |
| 6                      | 2'-0"      |                      |
| 7                      | 1'-8"      |                      |
| 8                      | 1'-6"      |                      |

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

|                                                                                                  |                                  |
|--------------------------------------------------------------------------------------------------|----------------------------------|
|                                                                                                  | BATHROOM NOTES                   |
|  TOWEL BAR    | ALL TUB DECKS @ 2" A.F.F         |
|  TOILET PAPER | ALL BLOCKING TO BE FT IN SHOWERS |

|                                                                                                                      |                                  |
|----------------------------------------------------------------------------------------------------------------------|----------------------------------|
| <div style="border: 1px solid black; padding: 2px; display: inline-block; margin-bottom: 5px;">TB</div> TOWEL BAR    | ALL TUB DECKS @ 21" A.F.F        |
| <div style="border: 1px solid black; padding: 2px; display: inline-block; margin-bottom: 5px;">TP</div> TOILET PAPER | ALL BLOCKING TO BE PT IN SHOWERS |



| 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. |

|               |               |                |
|---------------|---------------|----------------|
| 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. |

TYPICAL DIMENSION STRING

FACE OF EXTERIOR WALL

FACE OF OUTSIDE WALL TO FACE OF STUD WALL

FACE OF STUD TO FACE OF STUD

3 1/2'

1 1/2'

1 1/2'

**Architectural Floor Plan Details:**

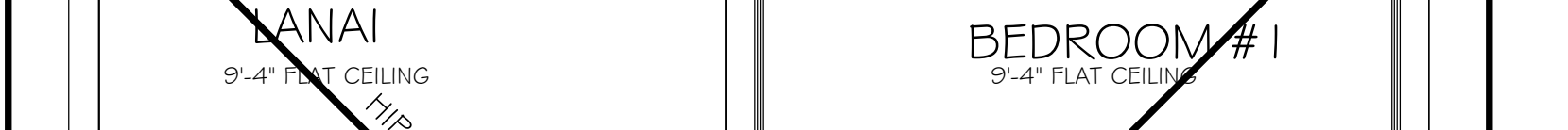
- Overall Dimensions:** 30'-0" wide by 76'-0" deep.
- Rooms and Features:**
  - LANAI:** 9'-4" flat ceiling, 3'-8" x 8'-2".
  - KITCHEN:** 9'-4" flat ceiling, 9'-11" x 12'-7 1/2". Includes range, DBL. sink, DW, and 6" knee wall 34 1/4" tall.
  - NOOK:** 9'-4" flat ceiling, 15'-1 1/2" x 4'-2".
  - GREAT ROOM:** 9'-4" flat ceiling, 16'-8" x 7'-7 1/2".
  - STUDY/DEN:** 9'-4" flat ceiling, 10'-1" x 10'-1".
  - FOYER:** 9'-4" flat ceiling, 5'-4" x 2'-2".
  - ENTRY:** 9'-4" flat ceiling, 1'-4" x 3'-6".
  - BEDROOM #1:** 9'-4" flat ceiling, 15'-0 1/2" x 13'-10".
  - BEDROOM #2:** 9'-4" flat ceiling, 10'-8" x 14'-6".
  - BATH #1:** 9'-4" flat ceiling, 7'-10 1/2" x 4'-5 1/2".
  - BATH #2:** 9'-4" flat ceiling, 6'-10" x 5'-0".
  - LAUNDRY:** 9'-4" flat ceiling, 6'-6" x 6'-6".
  - GARAGE:** 9'-4" flat ceiling, 21'-0" x 18'-8".
- Annotations and Details:**
  - Red Lines:** Indicate walls and partitions.
  - Blue Lines:** Indicate structural elements or utility paths.
  - Green Lines:** Indicate specific construction details or materials.
  - Notes:**
    - SEE NOTE 9 (Garage)
    - SEE NOTE 10 (Laundry)
    - MIN. R-13 OR BETTER INSULATION (Laundry)
  - Room Numbers:** 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100.

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



## COORDINATE VENTING REQUIREMENTS WITH ENERGY CALCULATIONS

| 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 | 2384.4 SQ. FT. | 279.1 SQ. FT. | 15.9 SQ.FT.    | 5.70%                   | 8.15%             | --- SQ. FT.    | -                      | ---%                   |

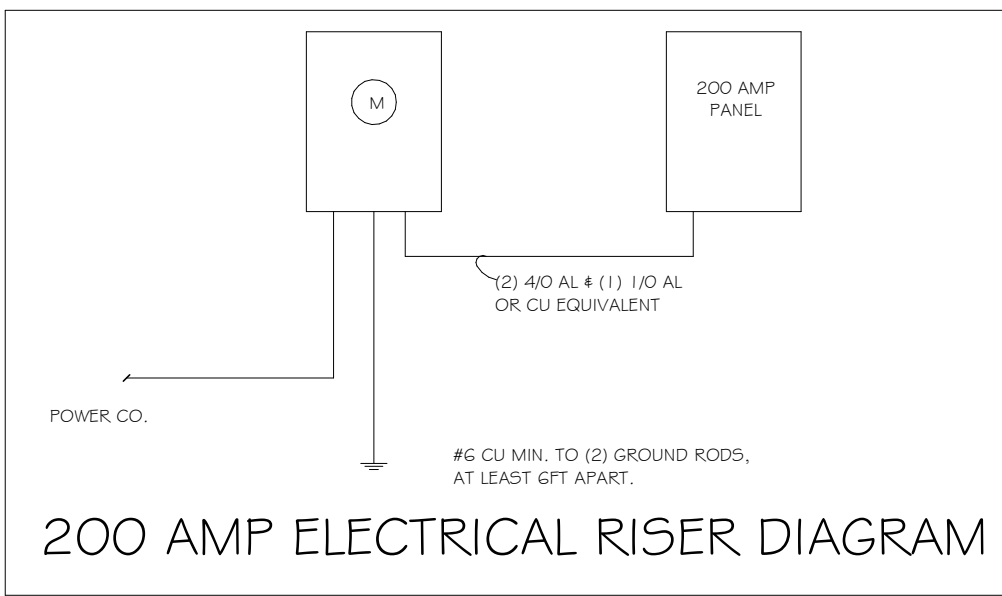

$$1/4'' = 1'-0''$$

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

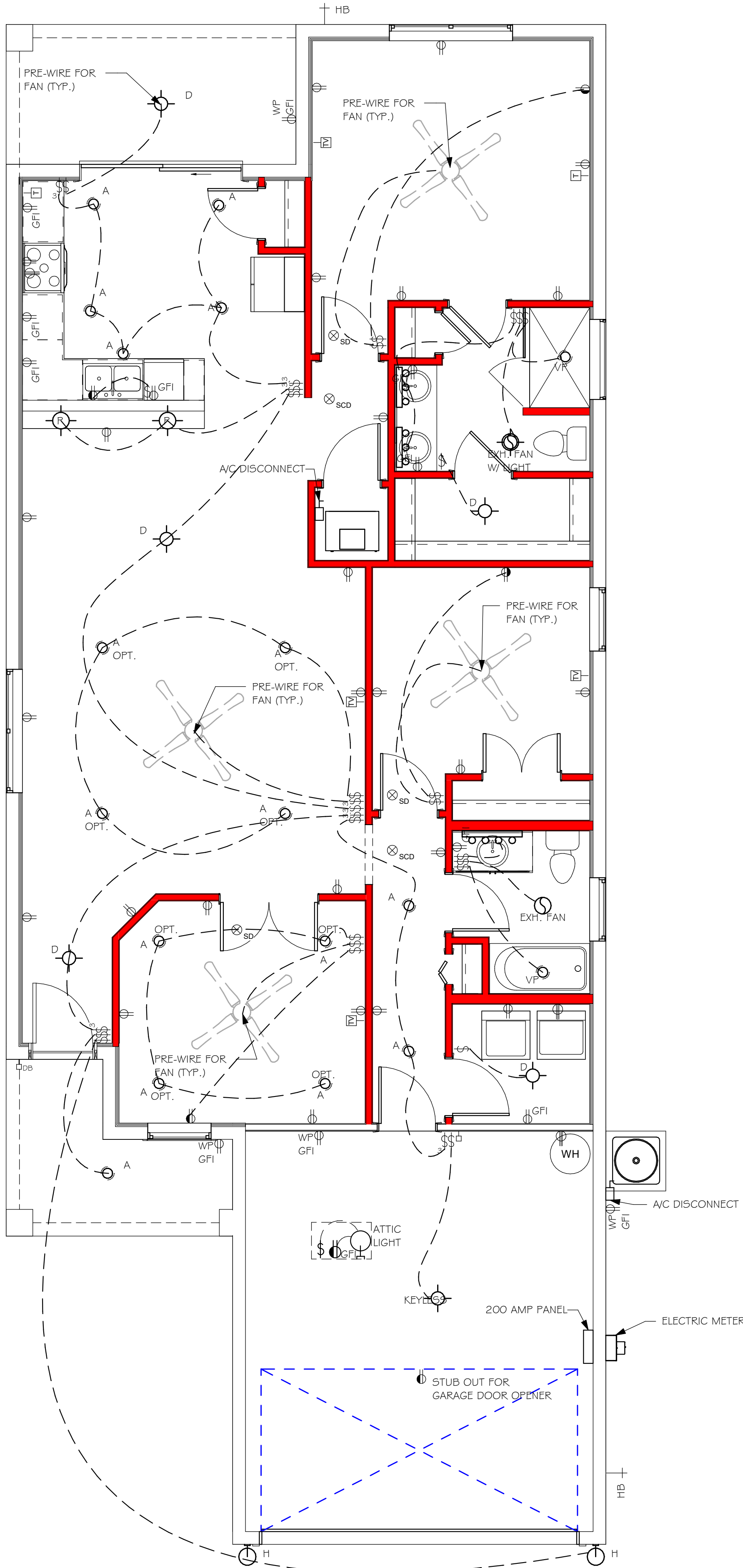
LOT: 492  
SUBDIVISION: SEASONS BONITA 40s  
ADDRESS: 16797 SEASONS COAST DRIVE  
D.R.H. #: 579210392



| ELECTRICAL LEGEND                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                             |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                | ELECTRICAL METER                                                                                                                                                                                                                                                            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                | ELECTRICAL PANEL                                                                                                                                                                                                                                                            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                | 120 V JUNCTION BOX                                                                                                                                                                                                                                                          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                | SINGLE RECEPTACLE OUTLET                                                                                                                                                                                                                                                    |
|                                                                                                                                                                                                                                                                                                                                                                                                                                | 220 V RECEPTACLE OUTLET                                                                                                                                                                                                                                                     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                | 4-PLEX RECEPTACLE OUTLET                                                                                                                                                                                                                                                    |
|                                                                                                                                                                                                                                                                                                                                                                                                                                | DUPLEX RECEPTACLE OUTLET                                                                                                                                                                                                                                                    |
|                                                                                                                                                                                                                                                                                                                                                                                                                                | 1/2 SWITCHED DUPLEX OUTLET                                                                                                                                                                                                                                                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                | DUPLEX RECEPTACLE AT ELEV. A.F.F.                                                                                                                                                                                                                                           |
|                                                                                                                                                                                                                                                                                                                                                                                                                                | DUPLEX RECEPTACLE - ABOVE COUNTER                                                                                                                                                                                                                                           |
|                                                                                                                                                                                                                                                                                                                                                                                                                                | SINGLE POLE SWITCH                                                                                                                                                                                                                                                          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                | 3 WAY SWITCH                                                                                                                                                                                                                                                                |
|                                                                                                                                                                                                                                                                                                                                                                                                                                | DIMMER SWITCH                                                                                                                                                                                                                                                               |
|                                                                                                                                                                                                                                                                                                                                                                                                                                | MOTION SENSOR SWITCH                                                                                                                                                                                                                                                        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                | AGDC SMOKE DETECTOR TO BE INTERCONNECTED ANY RESIDENT HAVING A FOSSIL-BURNING HEATER OR APPLIANCE, A FIREPLACE, OR AN ATTACHED GARAGE SHALL HAVE AN OPERATIONAL CARBON MONOXIDE ALARM INSTALLED WITHIN 10 FEET OF EACH ROOM USED FOR SLEEPING PERPOSES. PER RULE 9B-3.04-72 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                | SD (SMOKE DETECTOR)                                                                                                                                                                                                                                                         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                | SCD (CARBON MONOXIDE/ SMOKE DETECTOR)                                                                                                                                                                                                                                       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                | TELEPHONE OUTLET                                                                                                                                                                                                                                                            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                | TELEVISION RECEPTION OUTLET                                                                                                                                                                                                                                                 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                | SURFACE MOUNTED CEILING LIGHT                                                                                                                                                                                                                                               |
|                                                                                                                                                                                                                                                                                                                                                                                                                                | FLUSH MOUNTED LIGHT                                                                                                                                                                                                                                                         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                | WALL MTD. BRACKET LIGHT                                                                                                                                                                                                                                                     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                | DUPLEX FLOOD LIGHT                                                                                                                                                                                                                                                          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                | EXHAUST FAN                                                                                                                                                                                                                                                                 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                | TRACK MTD. LIGHTS                                                                                                                                                                                                                                                           |
|                                                                                                                                                                                                                                                                                                                                                                                                                                | A/C DISCONNECT                                                                                                                                                                                                                                                              |
|                                                                                                                                                                                                                                                                                                                                                                                                                                | PUSH BUTTON (PB) / DOOR BELL (DB)                                                                                                                                                                                                                                           |
|                                                                                                                                                                                                                                                                                                                                                                                                                                | INTERCOM                                                                                                                                                                                                                                                                    |
|                                                                                                                                                                                                                                                                                                                                                                                                                                | KEYPAD                                                                                                                                                                                                                                                                      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                | 4' FLUORESCENT LIGHT                                                                                                                                                                                                                                                        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                | 2' UNDER COUNTER LIGHT                                                                                                                                                                                                                                                      |
| NOTE: NOT ALL SYMBOLS ARE USED FOR THIS PROJECT.                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                             |
| ELECTRICAL NOTES:<br>ARC-FAULT CIRCUIT-INTERRUPTERS AND TAMPER RESISTANT RECEPTACLES SHALL BE INSTALLED IN DWELLING UNITS PER N.E.C. 210.12 AND 406.11<br>ALL ELECTRIC, ELECTRICAL EQUIPMENT AND APPLIANCES TO BE SET AT OR ABOVE BASE FLOOD ELEVATIONS PLUS 1'-0" FREEBOARD.<br>ALL OUTLETS IN WET AREAS AND ALL EXTERIOR OUTLETS TO BE GFI'S.<br>INSTALL PHONE AND T.V. PER CONTRACT.<br>INSTALL ALL ELECTRICAL PER NEC 2014 |                                                                                                                                                                                                                                                                             |



| ELECTRICAL PLAN 1543 |          |                    |
|----------------------|----------|--------------------|
| 200 AMP SERVICE      |          |                    |
| TAG                  | QUANTITY | PRODUCT            |
| A                    | (11)     | (FLUSH MOUNTED LT) |
| B                    | (1)      | (VAPORS)           |
| C                    | (3)      | (PENDANT LIGHT     |
| D                    | (8)      | (10" MUSHROOMS)    |
| E                    | (2)      | (24" 3 LT)         |
| F                    | (1)      | (36" 4 LT)         |
| G                    | (X)      | (NOT USED)         |
| H                    | (2)      | (COACH LIGHTS)     |
| I                    | (X)      | (COACH LIGHTS)     |
| J                    | (1)      | (J BOX)            |
| K                    | (1)      | (4' FLUORESCENT)   |
| L                    | (X)      | (2' FLUORESCENT)   |
| M                    | (X)      | (SLT CHANDELIER)   |
| N                    | (X)      | (3 LT)             |
| O                    | (X)      | (PENDANT/ NOOK)    |
| P                    | (X)      | (X)                |
| Q                    | (X)      | (X)                |



ELECTRICAL PLAN "ER"  
1/4" = 1'-0"

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

D.R. HORTON  
America's Builder

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

LOT: 492

SUBDIVISION: SEASONS BONITA 405

ADDRESS: 1 6797 SEASONS COAST DRIVE

MODEL  
1543

GCD JOB # 13044

DATE: 07/09/21

DRAWN BY: CWL

CHECKED BY: JWC

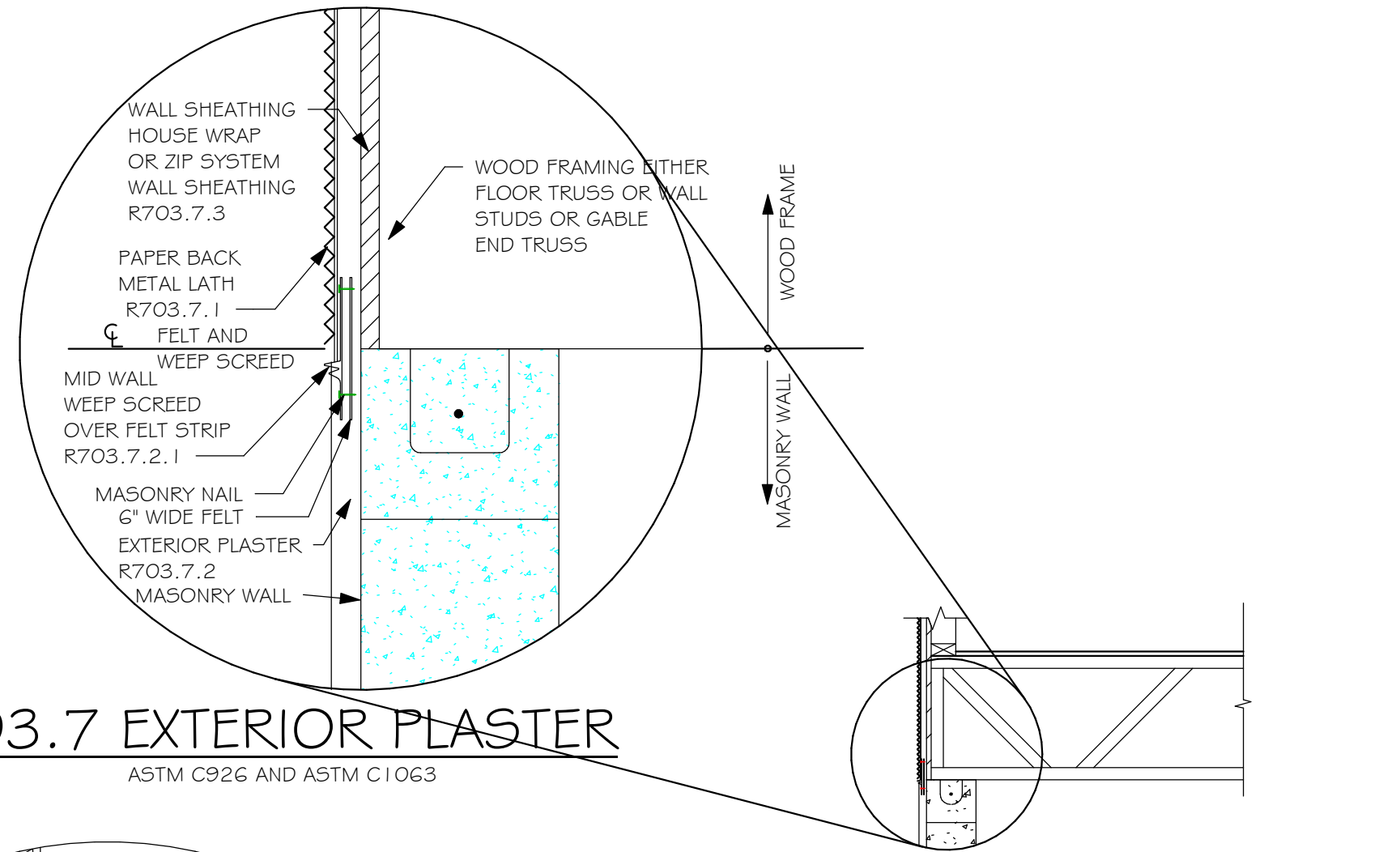
REVISED:

PLAN: ELECTRICAL

SCALE: As indicated

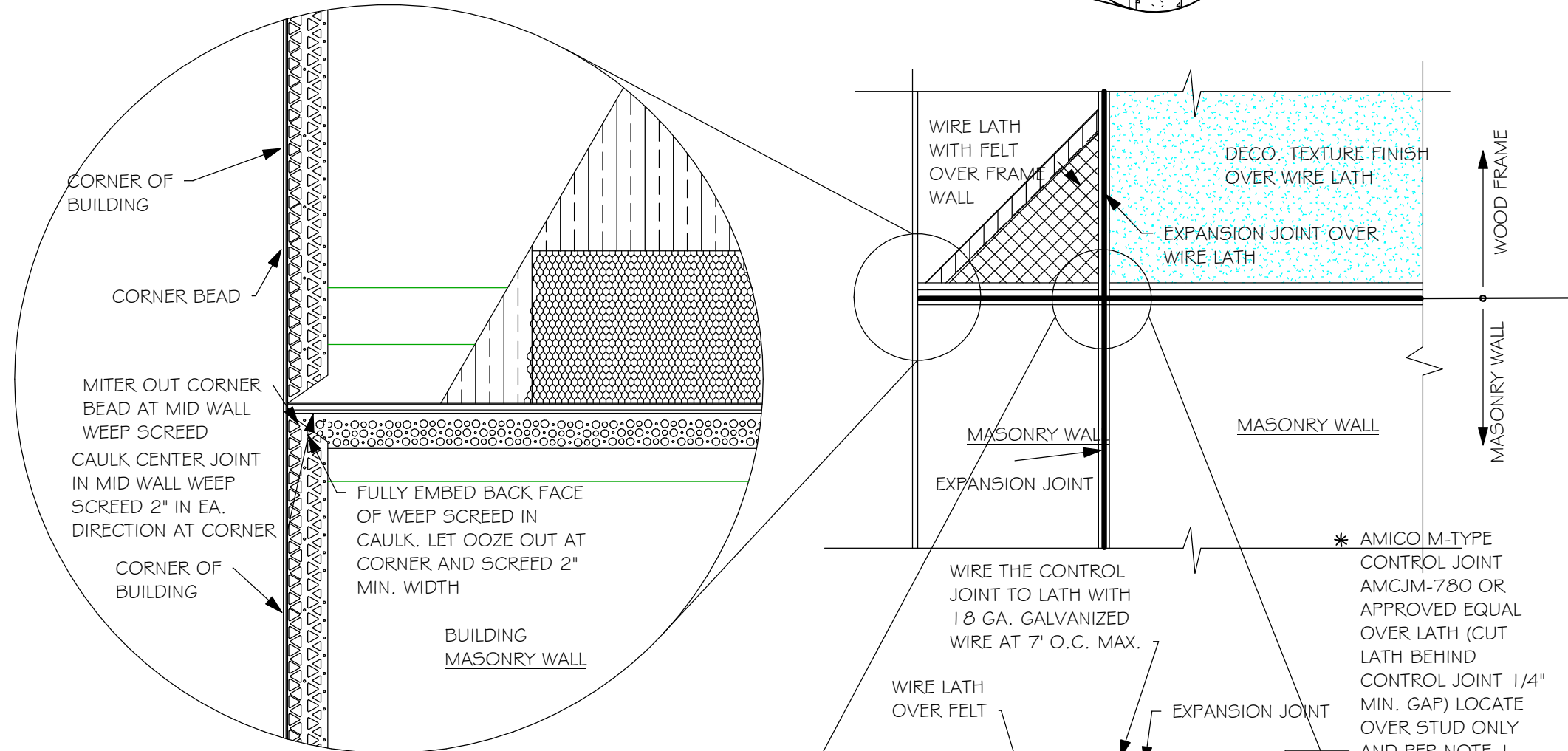
A-5 ER



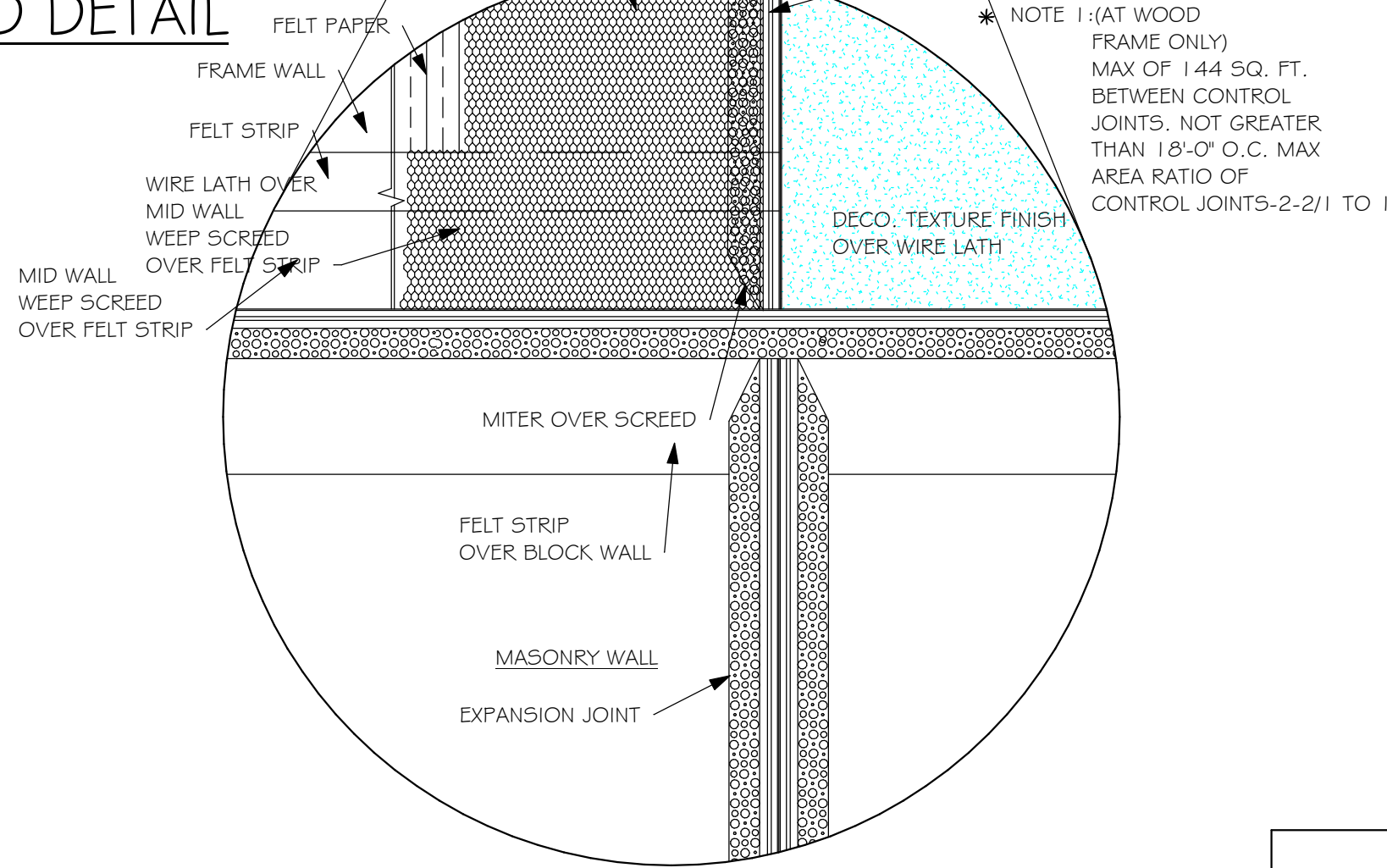


R703.7 EXTERIOR PLASTER

ASTM C926 AND ASTM C1063



MID WALL WEEP SCREED DETAIL



WEEP SCREED DETAIL

INSTALL AT ALL EXTERIOR WALL LOCATIONS WHERE WOOD STUD FRAMING IS ABOVE MASONRY WALLS.

## RESIDENTIAL SPECIFICATIONS

### GENERAL NOTES

- THE CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS AT THE JOB SITE PRIOR TO COMMENCING WORK. THE CONTRACTOR SHALL REPORT ALL DISCREPANCIES BETWEEN THE DRAWINGS AND EXISTING CONDITIONS TO THE DESIGNER PRIOR TO COMMENCING WORK.
- THE CONTRACTOR SHALL SUPPLY, LOCATE AND BUILD INTO THE WORK ALL INSERTS, ANCHORS, ANGLES, PLATES, OPENINGS, SLEEVES, HANGERS, SLAB DEPRESSIONS AND PITCHES AS MAY BE REQUIRED TO ATTACH AND ACCOMMODATE OTHER WORK.
- ALL DETAILS AND SECTIONS SHOWN ON THE DRAWINGS ARE INTENDED TO BE TYPICAL AND SHALL BE CONSTRUCTED TO APPLY TO ANY SIMILAR SITUATION ELSEWHERE IN THE WORK EXCEPT WHERE A DIFFERENT DETAIL IS SHOWN.
- FOR REQUIRED SOIL BEARING, SEE STRUCTURAL. THE CONTRACTOR SHALL REPORT ANY DIFFERING CONDITIONS TO THE DESIGNER PRIOR TO COMMENCING WORK.
- STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH JOB SPECIFICATION AND HOUSE PLANS, MECHANICAL, ELECTRICAL, PLUMBING, AND SITE DRAWINGS, CONSULT THESE DRAWINGS FOR SLEEVES, DEPRESSIONS AND OTHER DETAILS NOT SHOWN ON STRUCTURAL DRAWINGS.
- ALL SPECIFIED FASTENERS MAY ONLY BE SUBSTITUTED IF APPROVED BY THE ENGINEER IN WRITING, THE INSTALLATION OF THE FASTENERS SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS. SIMPSON FASTENERS SPECIFIED MAY BE SUBSTITUTED WITH THE SAME QUANTITY AND EQUIVALENT STRENGTH PRODUCT. ALL BOLTS, NUTS, WASHERS, STRAPS AND FASTENERS INCLUDING NAILS, SHALL BE HOT MOPED DIPPED GALVANIZED OR STAINLESS STEEL. CONTINUOUS ANCHORAGE SHALL BE PROVIDED BETWEEN ALL TRUSSES, WALL SECTIONS, BEAMS, POSTS AND FOOTINGS WITH USE OF STRAPS AND CONNECTORS AS SPECIFIED HEREIN.
- TREATED WOOD REQUIREMENTS:- ALL TREATED WOOD EXPOSED TO WEATHER SHALL BE PROTECTED, PRESSURE TREATED, OR NATURALLY RESISTANT TO DECAY. ALL WOOD TOUCHING MASONRY OR CONCRETE SHALL BE ISOLATED, OR PRESSURE TREATED.
- THE STRUCTURE IS DESIGNED TO BE SELF SUPPORTING AND STABLE AFTER THE BUILDING IS COMPLETE. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO DETERMINE ERECTION PROCEDURES AND SEQUENCES TO ENSURE SAFETY OF THE BUILDING AND ITS COMPONENTS DURING ERECTION. THIS INCLUDES THE NECESSARY SHORING, SHEETING, TEMPORARY BRACING, GUYS, OR TIE DOWNS.
- CEILING DRYWALL INSTALLED WITHIN THE HOUSE TO TRUSSES SPACED 24" O.C. SHALL BE 5/8" DRYWALL OR 1/2" SAG RESISTANT PER SEC. R702.3.5
- LANAI CEILINGS & COVERED ENTRY CEILINGS 1X4 STRIPPING @ 16" O.C. FASTENED WITH 2-8d NAILS TO EACH TRUSS. 5/8" EXTERIOR GYP. BOARD CEILING FASTENED WITH 8d NAILS OR 1-5/8" DRYWALL SCREWS @ 6" O.C. EDGE AND FIELD.

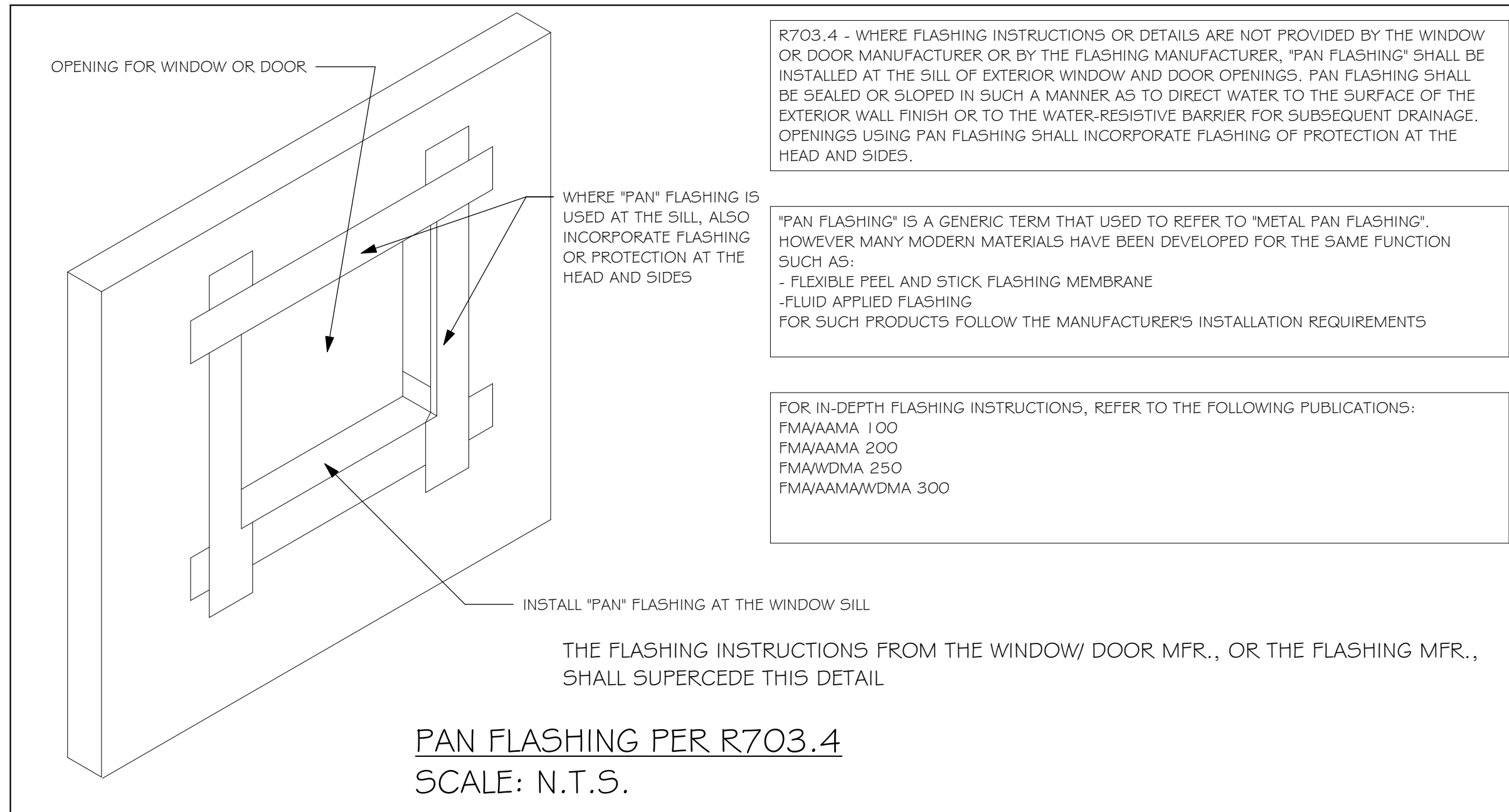
### 2

#### GENERAL ROOF ASSEMBLY

ROOF SHEATHING FBCR TABLE R803.2.2 SHALL BE 1/32 APA RATED SHEATHING, EXPOSURE 1, SPAN RATING 40/20 OR BETTER. INSTALL PANELS WITH LONG DIMENSION PLACED PERPENDICULAR TO TRUSSES. A 1/8" SPACE BETWEEN ADJACENT SHEETS SHALL BE MAINTAINED. INSTALL "H" CLIPS AT UNSUPPORTED PANEL EDGES. FOR FASTENING SEE STRUCTURAL.

FLASHING FLASHING SHALL BE ALUMINUM, ALUMINUM ZINC COATED STEEL 0.0179" THICK, 26 GAUGE AZ50 ALUM ZINC, OR GALVANIZED STEEL 0.0179" THICK, 26 GAUGE ZINC COATED G90. FLASHING SHALL BE INSTALLED IN ACCORDANCE WITH THE ZIP SYSTEM ROOF SHEATHING MANUFACTURERS PUBLISHED REQUIREMENTS. ALL FLASHING AND INSTALLATION SHALL CONFORM TO SECTION R905.2.8 (1 TO 5).

DRIP EDGE DRIP EDGE SHALL BE PROVIDED AT ALL EAVES AND GABLES OF SHINGLES ROOFS, LAPPED A MINIMUM OF 3" @ JOINTS. THE OUTSIDE EDGE SHALL EXTEND A MINIMUM OF 1/2" BELOW SHEATHING AND THE INSIDE EDGE SHALL EXTEND BACK A MINIMUM OF 2". DRIP EDGE SHALL BE FASTENED AT NO MORE THAN 4" CENTERS. THERE SHALL BE A MINIMUM OF 4" WIDTH OF ROOF CEMENT INSTALLED OVER THE DRIP EDGE FLANGE.



R703.4 - WHERE FLASHING INSTRUCTIONS OR DETAILS ARE NOT PROVIDED BY THE WINDOW OR DOOR MANUFACTURER OR BY THE FLASHING MANUFACTURER, "PAN FLASHING" SHALL BE INSTALLED AT THE SILL OF EXTERIOR WINDOW AND DOOR OPENINGS. PAN FLASHING SHALL BE SEALED OR SLOPED IN SUCH A MANNER AS TO DIRECT WATER TO THE SURFACE OF THE EXTERIOR WALL FINISH OR TO THE WATER-RESISTIVE BARRIER FOR SUBSEQUENT DRAINAGE. OPENINGS USING PAN FLASHING SHALL INCORPORATE FLASHING OF PROTECTION AT THE HEAD AND SIDES.

"PAN FLASHING" IS A GENERIC TERM THAT USED TO REFER TO "METAL PAN FLASHING". HOWEVER MANY MODERN MATERIALS HAVE BEEN DEVELOPED FOR THE SAME FUNCTION SUCH AS:  
- FLEXIBLE PEEL AND STICK FLASHING MEMBRANE  
- FLUID APPLIED FLASHING  
FOR SUCH PRODUCTS FOLLOW THE MANUFACTURER'S INSTALLATION REQUIREMENTS

FOR IN-DEPTH FLASHING INSTRUCTIONS, REFER TO THE FOLLOWING PUBLICATIONS:  
FMA/AAMA 100  
FMA/AAMA 200  
FMA/WDMA 250  
FMA/AAMAWDMA 300

### 3

#### ASPHALT SHINGLE ROOF SPECS

##### SHINGLES

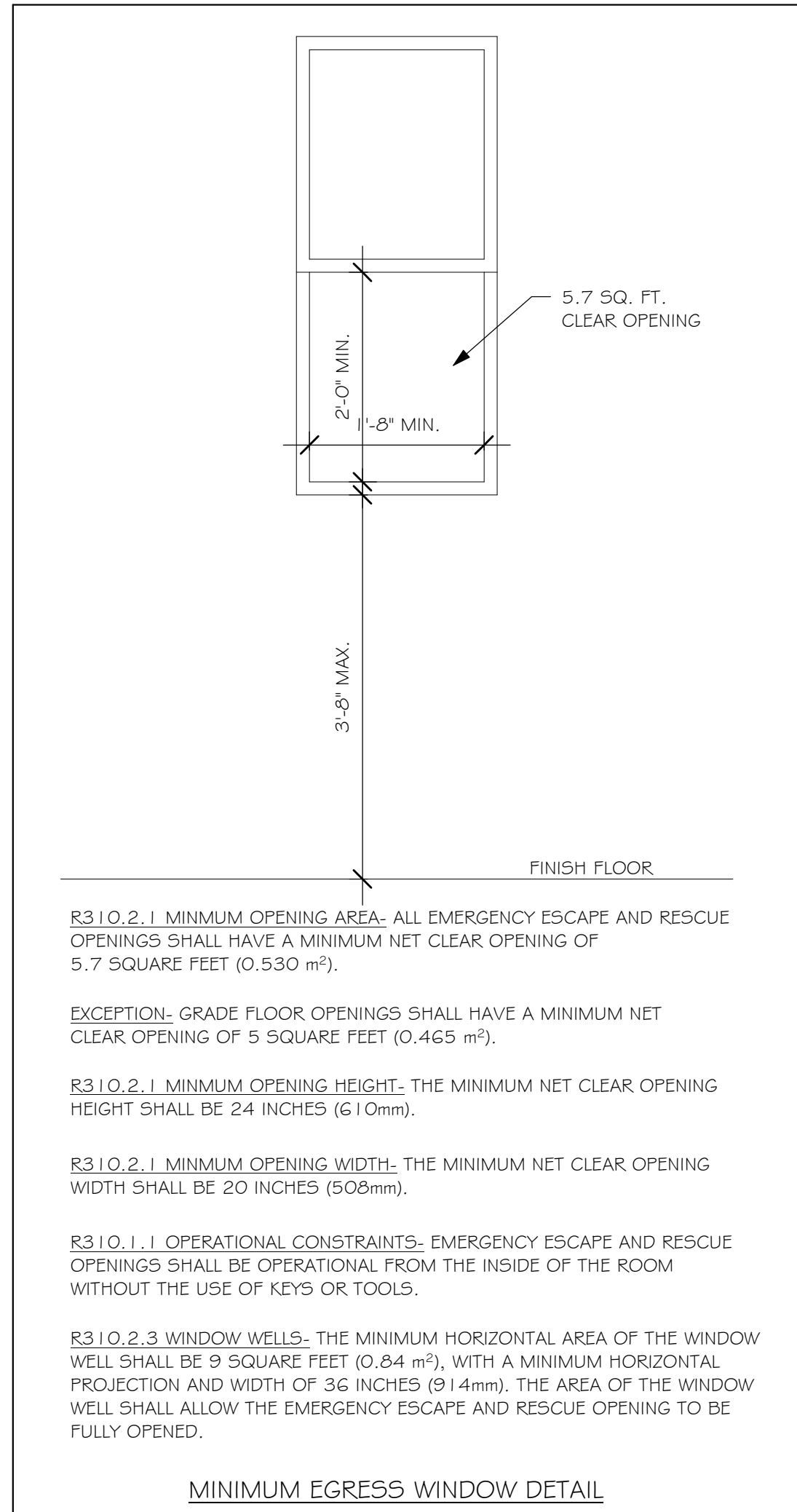
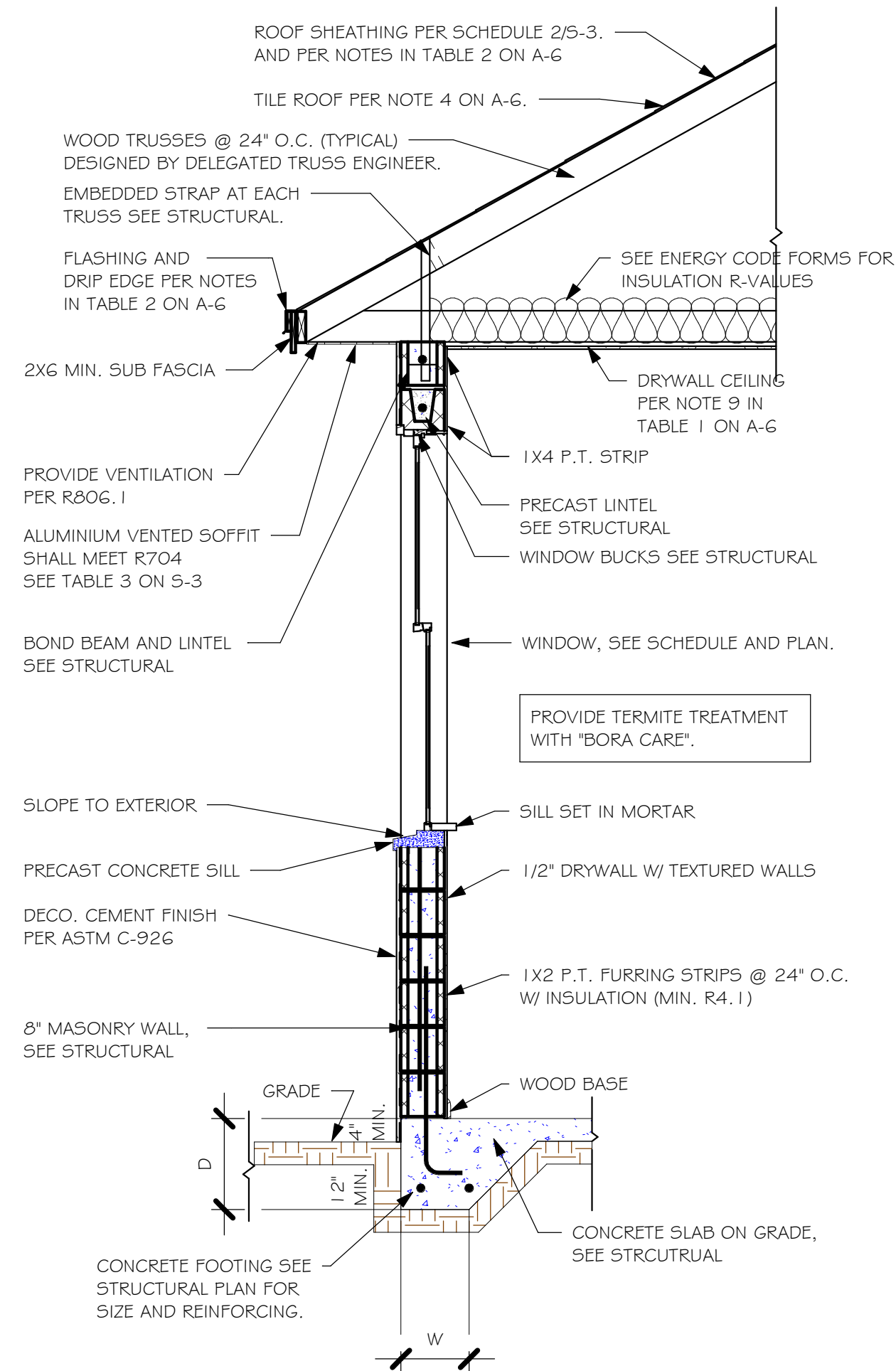
30# FELT SHALL BE INSTALLED UNDER ASPHALT SHINGLES. ALL ASPHALT SHINGLES SHALL HAVE SELF-SEALING STRIPS OR BE INTERLOCKING AND COMPLY WITH ASTM D 225 OR D 3462, FOR FASTENING, SEE STRUCTURAL. INSTALLATION SHALL COMPLY WITH MANUFACTURER'S REQUIREMENTS FOR INSTALLATION IN THE GIVEN FLORIDA WIND ZONE, AS DETERMINED BY ASTM D 3161.

### 4

#### CLAY AND CONCRETE ROOF TILE SPECS

INSTALL PEEL AND STICK UNDERLAYMENT APPROVED FOR SINGLE LAYER APPLICATION UNDER TILE ROOF. THE INSTALLATION OF CLAY AND CONCRETE TILE SHALL COMPLY WITH THE PROVISIONS OF R905.3 F.B.C. MARKING: EACH ROOF TILE SHALL HAVE A PERMANENT MANUFACTURER'S IDENTIFICATION MARK. APPLICATION SPECIFICATIONS: THE TILE MANUFACTURER'S WRITTEN APPLICATION SPECIFICATIONS SHALL BE AVAILABLE AND SHALL INCLUDE BUT NOT BE LIMITED TO THE FOLLOWING:

- TILE PLACEMENT AND SPACING,
- ATTACHMENT SYSTEM NECESSARY TO COMPLY WITH CURRENT WIND CODE,
  - AMOUNT AND PLACEMENT OF MORTAR
  - AMOUNT AND PLACEMENT OF ADHESIVE
  - TYPE, NUMBER, SIZE AND LENGTH OF FASTENERS AND CLIPS.
- UNDERLAYMENT
- SLOPE REQUIREMENT.



R310.2.1 MINIMUM OPENING AREA: ALL EMERGENCY ESCAPE AND RESCUE OPENINGS SHALL HAVE A MINIMUM NET CLEAR OPENING OF 5.7 SQUARE FEET (0.530 m²).

EXCEPTION: GRADE FLOOR OPENINGS SHALL HAVE A MINIMUM NET CLEAR OPENING OF 5.5 SQUARE FEET (0.465 m²).

R310.2.1 MINIMUM OPENING HEIGHT: THE MINIMUM NET CLEAR OPENING HEIGHT SHALL BE 24 INCHES (610mm).

R310.2.1 MINIMUM OPENING WIDTH: THE MINIMUM NET CLEAR OPENING WIDTH SHALL BE 20 INCHES (508mm).

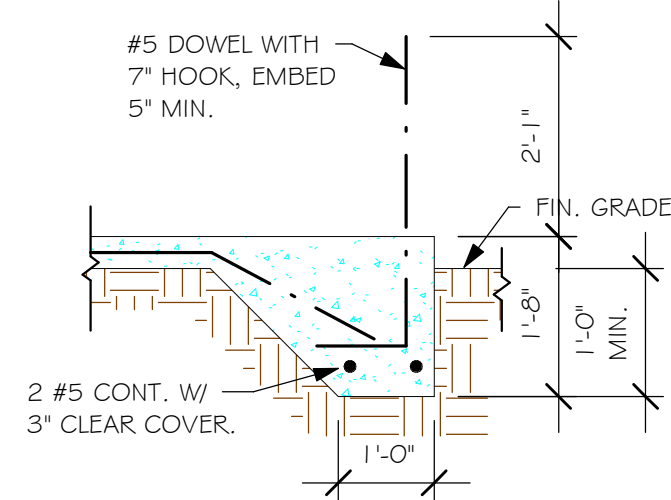
R310.1.1 OPERATIONAL CONSTRAINTS: EMERGENCY ESCAPE AND RESCUE OPENINGS SHALL BE OPERATIONAL FROM THE INSIDE OF THE ROOM WITHOUT THE USE OF KEYS OR TOOLS.

R310.2.3 WINDOW WELLS: THE MINIMUM HORIZONTAL AREA OF THE WINDOW WELL SHALL BE 9 SQUARE FEET (0.84 m²), WITH A MINIMUM HORIZONTAL PROJECTION AND WIDTH OF 36 INCHES (914mm). THE AREA OF THE WINDOW WELL SHALL ALLOW THE EMERGENCY ESCAPE AND RESCUE OPENING TO BE FULLY OPENED.

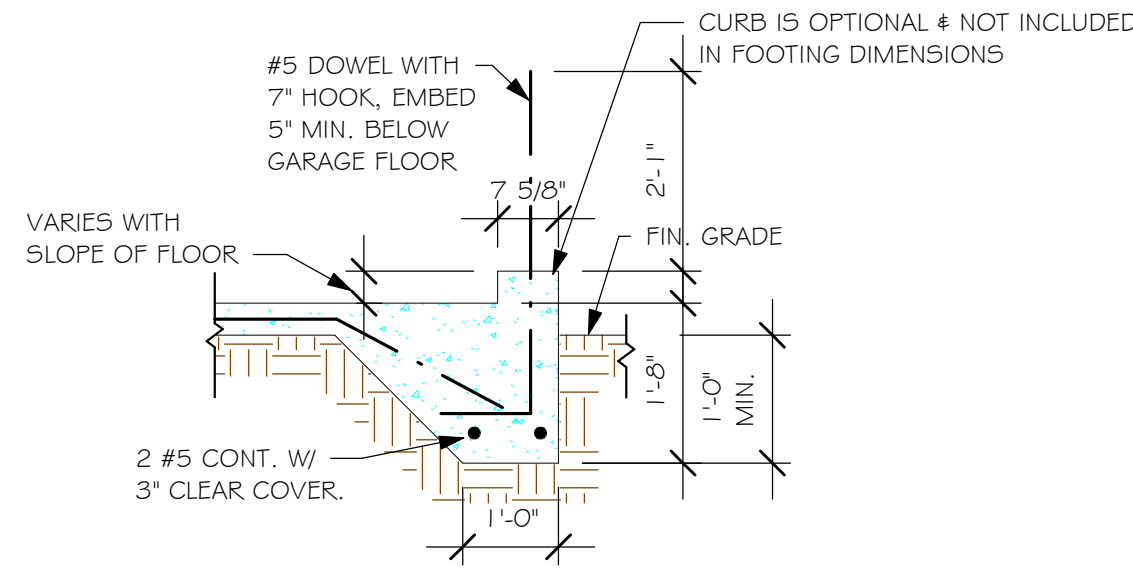
MINIMUM EGRESS WINDOW DETAIL

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

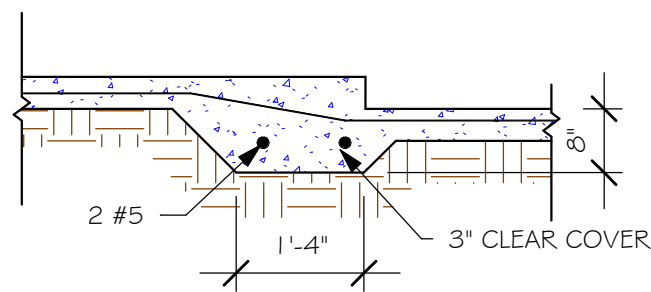




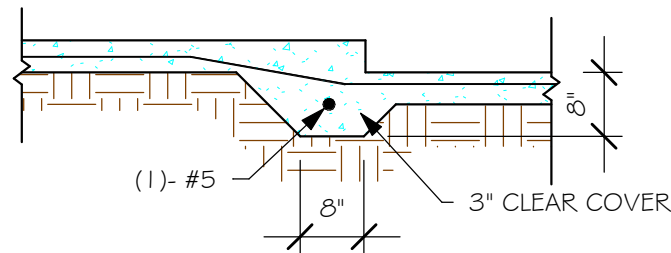
"F3" FOOTING  
1/2" = 1'-0"



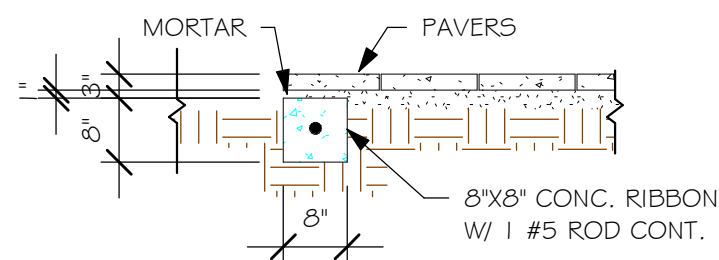
"F3" WITH CURB AT GARAGE  
1/2" = 1'-0"



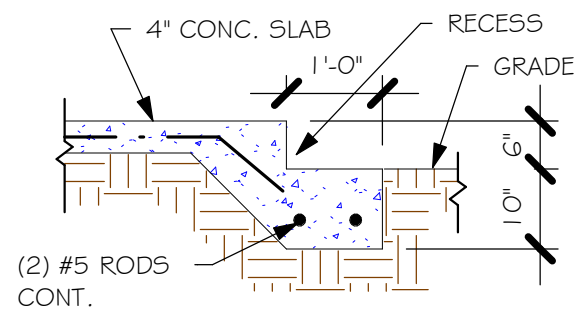
"F6" STEP DOWN  
1/2" = 1'-0"



"F6A" STEP DOWN  
1/2" = 1'-0"



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



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

### 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.

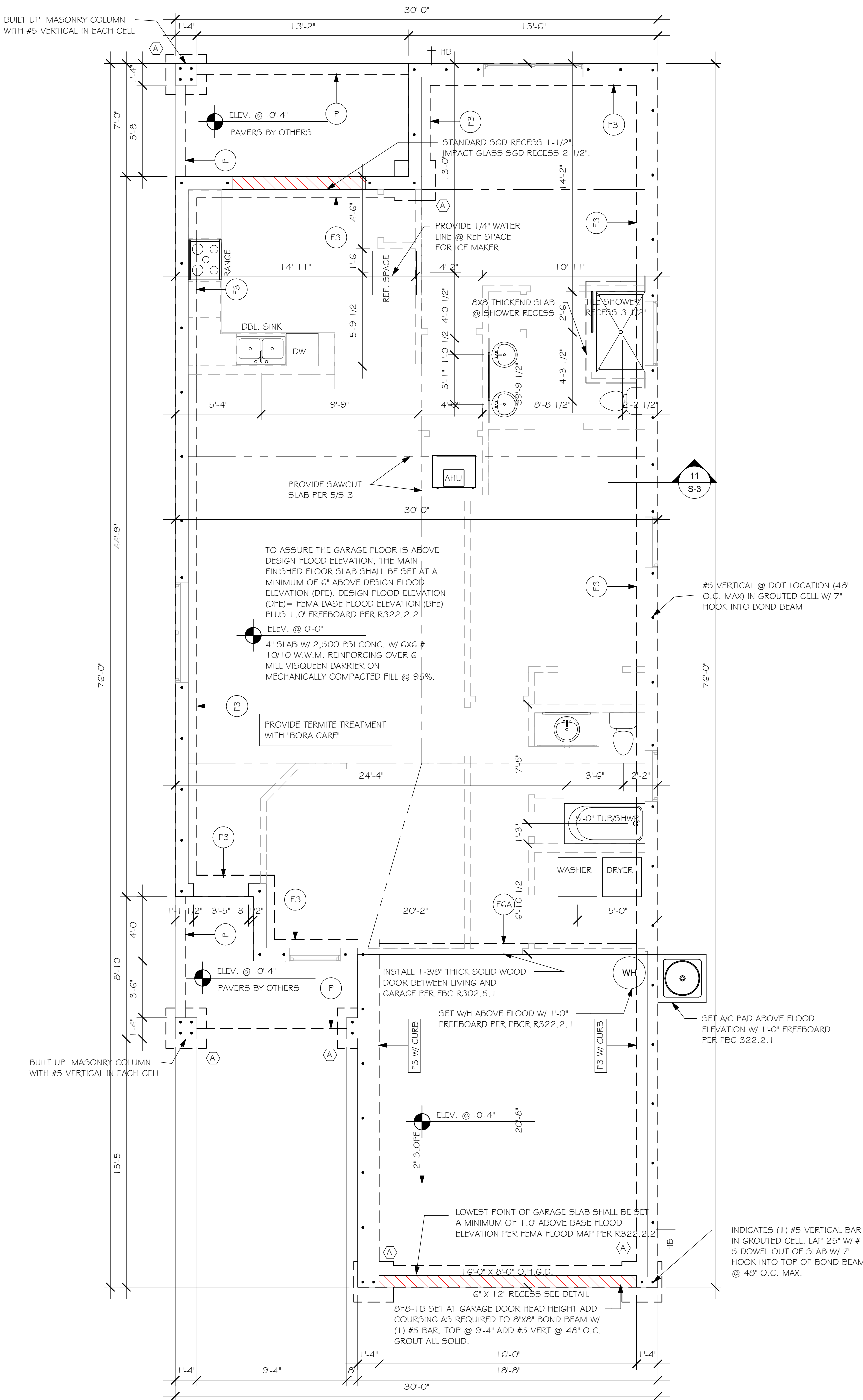
### PAD FOOTING SCHEDULE

| USED | TYPE | LENGTH | WIDTH | DEPTH | BOTTOM REINF. |           | REMARKS |
|------|------|--------|-------|-------|---------------|-----------|---------|
|      |      |        |       |       | LONG WAY      | SHORT WAY |         |
|      | 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 | SHAPE |
|------|------|--------|-------|--------|--------------------|-------|
|      | F1   | CONT.  | 1'-4" | 0'-8"  | 2-#5               |       |
|      | F2   | CONT.  | 1'-8" | 0'-10" | 2-#5               |       |
|      | 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               |       |
|      | F6A  | CONT.  | 0'-8" | 0'-8"  | 1-#5               |       |
|      | TE   | CONT.  | 0'-8" | 0'-8"  | 1-#5               |       |

PROVIDE CORNER BARS IN FOOTING PER DETAIL 6/S-3



FOUNDATION PLAN "ER"  
1/4" = 1'-0"

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.

TYPICAL HOUSE PLAN

EDGE NAIL TO BLOCKING AT RIDGE/VALLEY/HIP

STAGGER JOINTS AT SHEATHING PANELS

EDGE NAIL TO FACIA BOARD

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 RRS-03 & 04)

1

NAILING OF ROOF SHEATHING

SCALE: NTS

DOWEL TO MATCH WALL REINFORCING, LAP 25"

FINISHED GRADE, SEE SITE PLAN

MONOLITHIC FOOTING, SEE PLAN

12" MIN

W

EDGE

EMBED DOWELS 5" WITH 10" STD HOOK

3" CLEAR COVER TO REINFORCING

VARIES

W

STEPDOWN

W

INTERIOR

W

MONOLITHIC FOOTINGS

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

8" CMU WALLS

2x4 or 2x6 P.T. BUCK @ FLANGED WINDOWS (SEE NOTE)

1/4"x3 3/4" TAPCON @ 24" OC, 3 SCREWS MIN. (SEE NOTE)

WINDOW/DOOR ROUGH OPENING

8" CMU, SEE PLAN FOR REINFORCING

DOOR

2x8 OR 2x6 P.T. SYP#2

2x2x1/8" WASHER

1/2" Ø EXPANSION BOLT, 4" MIN. EMBEDMENT, SPACE 24" OC AND 12" FROM TOP & BOT.

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.

4

7

RETROFIT STRAPS TO CONCRETE/MASONRY

| TRUSS UPLIFT (LBS) @ 24" OC | CONNECTOR      |                                                                   |
|-----------------------------|----------------|-------------------------------------------------------------------|
| TO 840                      | 1-MTSM16 or 20 | 7-10dx1 1/2" 4-1/4x2 1/4" TITEN                                   |
| TO 1045                     | 1-HTSM16 or 20 | 8-10dx1 1/2" 4-1/4x2 1/4" TITEN                                   |
| TO 2090                     | 2-HTSM16 or 20 | 8-10dx1 1/2" 4-1/4x2 1/4" TITEN                                   |
| TO 4300                     | 2-LGT2         | 16-16d, 7-1/4"x2 1/4" TITEN                                       |
| TO 3480                     | HTT16          | 18-16d, 9/8" Ø ALLTHREAD, DRILL & EPOXY 10" EMBED W/ SIMPSON SET. |
| TO 10530                    | HGT-2/3        | TWO 3/4" Ø ALLTHREAD, DRILL & EPOXY 12" EMBED WITH SIMPSON SET.   |

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.

2

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 – PER FBCR TABLE 803.2.2                                                                                                                                                                                                                      | 1) 1x4 STRIPPING @ 16"OC w/ 2-8d NAILS TO EACH TRUSS, 3/8" EXTERIOR GYPBOARD CEILING, FASTEN W/8d NAILS OR 1/8" DRYWALL SCREWS @ 6"OC EDGE & FIELD.<br>2) 3/8" BC PLYWOOD NAILED W/ 6d COMMON @ 6" OC EDGE & FIELD. |
| 19/32 CLASS A.P.A. RATED SHEATHING, EXPOSURE 1, SPAN RATING 40/20. FASTEN WITH RING SHANK NAILS PER DETAIL 1/S-3                                                                                                                                   |                                                                                                                                                                                                                     |
| (WHEN ZIP BRAND ROOF SHEATHING IS USED, H-CLIPS ARE NOT REQUIRED)                                                                                                                                                                                  |                                                                                                                                                                                                                     |
|                                                                                                                                                                                                                                                    | 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

5

SLAB SAWCUT DETAIL

SCALE: NTS

3/4" DEEP SAWCUT w/ ELASTOMERIC SEALANT

SLAB ON GRADE, SEE PLAN

NOTES:

1) PROVIDE SAWCUTS TO CREATE APPROXIMATE 20' X 20' MAXIMUM SQUARES.

2) SAWCUT CONCRETE SLAB WITHIN 4 TO 12 HOURS OF CONCRETE PLACEMENT.

INTERSECTION

CORNER

#5 CORNER BAR, 25"x25"

MASONRY BOND BEAM, TYPICAL

8

CORNER BAR DETAIL IN BOND BEAMS

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

ROOF COVERING AS SELECTED BY BUILDER PER: FBCR905.2 ASPHALT SHINGLES FBCR905.3 CLAY AND CONCRETE TILE FBCR 905.4 METAL ROOF

ROOF SHEATHING, SEE SCHEDULE 2/S-3

WOOD TRUSSES @ 24" OC, DESIGNED BY DELEGATED TRUSS ENGINEER

EMBEDDED STRAP AT EACH ROOF TRUSS, SEE ROOF PLAN. BREAK OUT WEB OF BLOCK AS NEEDED TO PROPERLY LOCATE EACH STRAP

2x SUBFASCIA w/ 2-16d TO EACH TRUSS

TRUSS BEARING SEE PLAN

APPROVED ISOLATION PLATE

8"x8" CONTINUOUS MASONRY BOND BEAM w/ 1-#5, GROUT SOLID. PROVIDE CORNER BARS PER DETAIL 6/S-3

#5 VERT. IN GROUTED CELL AT DOT LOCATIONS ON PLAN (48" OC MAX EXTERIOR)

ALUMINUM SOFFITS SHALL MEET WIND DESIGN PRESSURES PER R704 INSTALLED PER MFR. SPECS.

#5 VERTICAL SHALL HAVE 7" STANDARD HOOK INTO TOP OF BOND BEAM

DOWEL TO MATCH WALL REINFORCING, LAP 25"

FINISHED GRADE, SEE SITE PLAN

MONOLITHIC FOOTING, SEE PLAN

MERGE PAD FOOTINGS WITH EDGE FOOTINGS

3" CLEAR COVER TO REINFORCING

W

EMBED DOWELS 5" WITH 10" STD HOOK

11

FULL HEIGHT WALL SECTION

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

3

WINDOW/DOOR/SOFFIT DESIGN WIND PRESSURES

| 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        | +28.4 -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.

END ZONE 5 PRESSURES OCCUR AT "PRIMARY" OUTSIDE CORNERS OF BUILDING (BOLD LINES)

INTERIOR ZONE 4 PRESSURES

END ZONE WIDTH = 4'-0" MEASURED FROM FACE OF WALL (FIG R301.2(7))

6

STEP FOOTING

SCALE: NTS

3" COVER

MAINTAIN RUN TO RISE OF 2:1 OR MORE

FOOTING REIN., SEE PLAN. LAP 40 BAR DIAMETERS

PLAN VIEW

FOOTING CORNER BARS

SCALE: NTS

FOOTING REIN., SEE PLAN

LAP CORNER BARS 40 BAR DIAMETERS

CONCRETE FOOTING, SEE PLAN

9

STEPPED BOND BEAM & REINFORCING

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

UPPER BOND BEAM, SEE PLAN

HOOK BAR INTO TOP OF UPPER BOND BEAM

VERTICAL BOND BEAM, 8"x8" CMU w/ #5 VERTICAL 8"x8" BOND BEAM w/ 1-#5

LINTEL AT LANAI OR ENTRY, "8F16-1B/1T" (8"x16" FILLED SOLID, 1#5 BOTTOM, 1-#5 TOP)

7" STANDARD HOOK INTO TOP OF BOND BEAM (MAY USE 7"x25" BENT BAR)

BEARING

VERTICAL BAR IN GROUTED CELL, SEE PLAN

LAP CORNER BARS 40 BAR DIAMETERS

HOOK OR CORNER BAR

STEP

#5 VERTICAL IN GROUTED CELL AT DOT LOCATIONS ON PLAN

MASONRY WALL

#5 VERT. AT INTERSECTION OF BOND BEAM w/ 7" HOOK AT TOP

12

GABLE END BRACING

SCALE: N.T.S.

ROOF SHEATHING AND NAILING PER SCHEDULE

4-16d NAILS

2x4 BLOCK w/ 4-12d TOE NAILS EACH END

2x4 BRACE AT LOCATIONS SHOWN ON PLAN

TOP CHORD OF GABLE END TRUSS

3-12d TOE NAILS

2x4 OUTLOOKER @ 24" O.C.

WALL SHEATHING PER 2/S-3

BRACE VERTICAL MEMBERS PER TRUSS MFR DETAILS

4-16d

2x6 PT SILL w/ 1/2"x6" ANCHOR BOLTS @ 32" O.C. w/ 2" WASHER

2x4 BLOCK w/ 4-12d TOENAILS EACH END

12d NAILS AT TRUSS BOTTOM CHORD TO SILL @ 8" O.C.

MASONRY WALL, SEE PLAN

RAISED GABLE TRUSS

THIS DETAIL ONLY USED ON ELEVATIONS A & E

12

GABLE END BRACING

SCALE: N.T.S.

13

OUTLOOKER DETAIL

SCALE: N.T.S.

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: 1C 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 ENCLOSED  
INTERVAL 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 1/2" MINIMUM THICKNESS REINFORCED WITH 6x6 w1.4xw1.4 WWF OR FIBERMESH f'c = 2500 PSI  
CONVENTIONAL SHALLOW FOOTINGS f'c = 3000 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 1 1/2"  
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 2000 PSF  
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

| REVISIONS | BY |
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STRUCTURAL ENGINEERING:

STRUCTURAL SYSTEMS OF NORTH FLORIDA

1634 SE. 47th STREET, SUITE #2  
CAPE CORAL, FL 33904  
(2359) 549-4554  
CA# 8829

DESIGNED IN ACCORDANCE WITH FLORIDA BUILDING CODE 7th EDITION (2020) RESIDENTIAL

FOR SCOSTA TRUSSES, MODEL 1543, ELEVATION A & E, JOB # DR1543CANT, DATED: 12/10/20, REVISED: 01/19/21

STRUCTURAL DETAILS

MODEL 1543 E

16797 SEASONS COAST DRIVE  
BONITA SPRINGS, FLORIDA  
LOT: 492 SUBDIVISION: SEASONS BONITA

DESIGN/DRAWN

DWB/DWB

CHECKED

DWB

DATE

07/14/21

SCALE

VARIES

JOB NO.

DR 13044

SHEET

S-3

SHEET 3 OF 3