

1222 MAPLE

HABITAT FOR HUMANITY

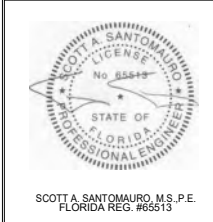
GREATER ORLANDO

30' X 50'

SHEET INDEX- ELEVATION

00	COVER SHEET
01	FOUNDATION PLAN
02	FLOOR PLAN W/ DIMENSIONS
03	FLOOR PLAN W/ NOTES
04	EXTERIOR ELEVATIONS- FRONT/ REAR
05	EXTERIOR ELEVATIONS- LEFT/ RIGHT
06	CROSS SECTION AND INTERIOR ELEVATIONS
07	ELECTRICAL PLAN
08	TRUSS LAYOUT
09	CONNECTOR SCHEDULE/ DETAILS
10	STRUCTURAL DETAILS
11	STRUCTURAL DETAILS
D1	TYPICAL DETAILS / GENERAL NOTES / DETAILS

REVISION SCHEDULE			
NO.	DATE	DESCRIPTION	BY
1	03-25-19	-REVISED TERMITE SHIELD DETAIL -REVISED DETAIL A/D1 TO SHOW 2X4 UNDER HDR. -ADDED CALLOUT #8 TO DETAIL 5/11 (NOTE FOR 2X4 UNDER HEADER)	DAL
2	07-23-19	-ADDED ZERO-STEP ENTRY AT FRONT ENTRY -CREATED BLOCKING DETAIL FOR GRAB-BAR -ADDED ADJUSTABLE SHELVING AT M. CLOSET	DH
3	09-23-19	-EXTENDED WALL BY REFRIGERATOR FOR CAB. -MADE TUB OPENINGS 5'-0 1/4" -MOVED DISHWASHER TO RIGHT SIDE OF SINK	JF
4	02-25-20	-UPDATED ENGINEER ON TITLE BLOCK -CONNECTOR 22 CHANGED TO H10A	DAL
5	09-03-20	-ADDED COUNTY COMMENTS TO MASTER PLAN	DAL



REVISIONS	BY
09-03-20	DAL

Engineering By:
 DESS, INC.
 CA#27371
 PHONE 321.251.6006
 9662 AVALON PARK E. BLVD.
 SUITE 2072
 ORLANDO, FL 32828

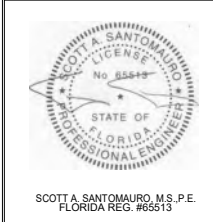
4301 VINELAND RD. SUITE 101
 ORLANDO FL 32811
 407-930-1111

THIS STRUCTURE IS DESIGNED TO WITHSTAND 140 MPH WINDS PER THE FLORIDA RESIDENTIAL CODE 2011 6TH EDITION
 LOT SPECIFIC INFORMATION
 © COPYRIGHT 2019 RDC, INC. hereby reserves its common law copyrights and other copyrights in these plans, ideas, and design. These plans, ideas and designs are not to be copied or changed in any manner or form whatsoever, nor are they to be assigned to any third party without first obtaining the express written permission from RDC, INC.



1222 MAPLE	HABITAT
DATE	02-01-19
SCALE	AS NOTED
DRAWN	RDC
JOB	1222
SHEET	00
OF	13 SHEETS

COVER SHEET



REVISIONS BY
 09-03-20 DAL
 Engineering By:
 DESS, INC.
 CA#27371
 PHONE 321.251.6006
 3682 AVALON PARK E. BLVD.
 SUITE 2072
 ORLANDO, FL 32828

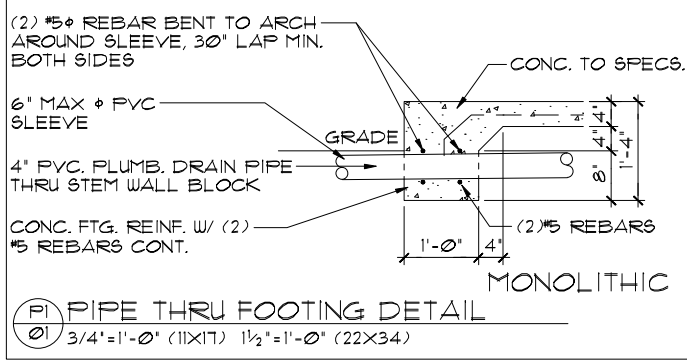
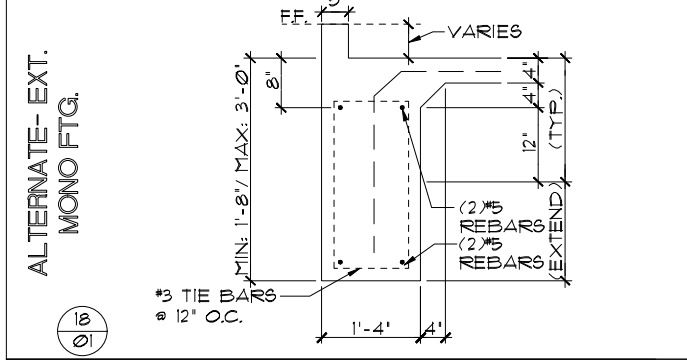
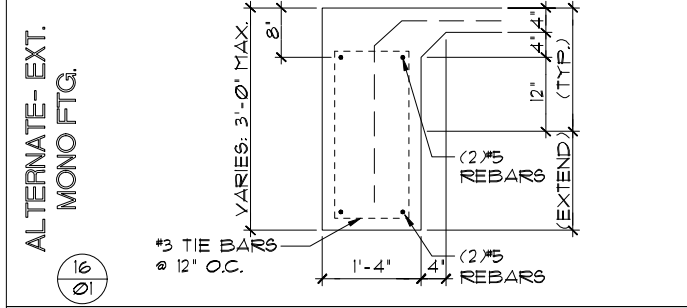
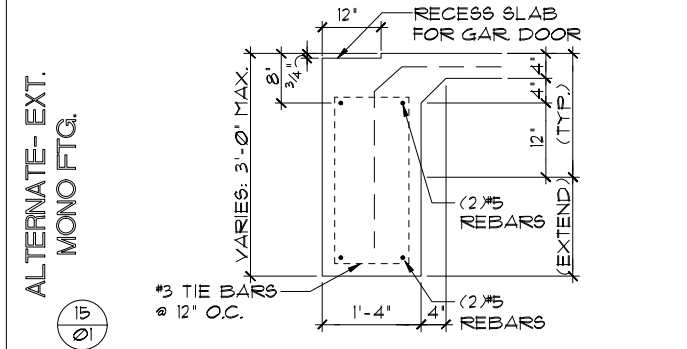
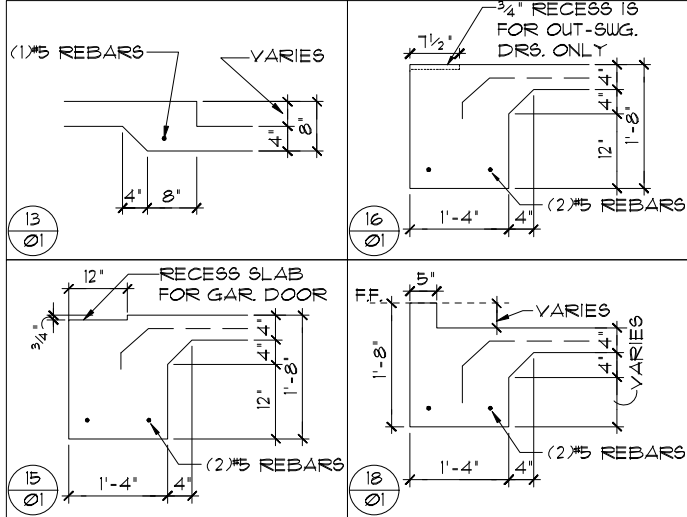
4301 VINELAND RD. SUITE E1
 ORLANDO FL 32811
 407-930-1111

FOUNDATION PLAN



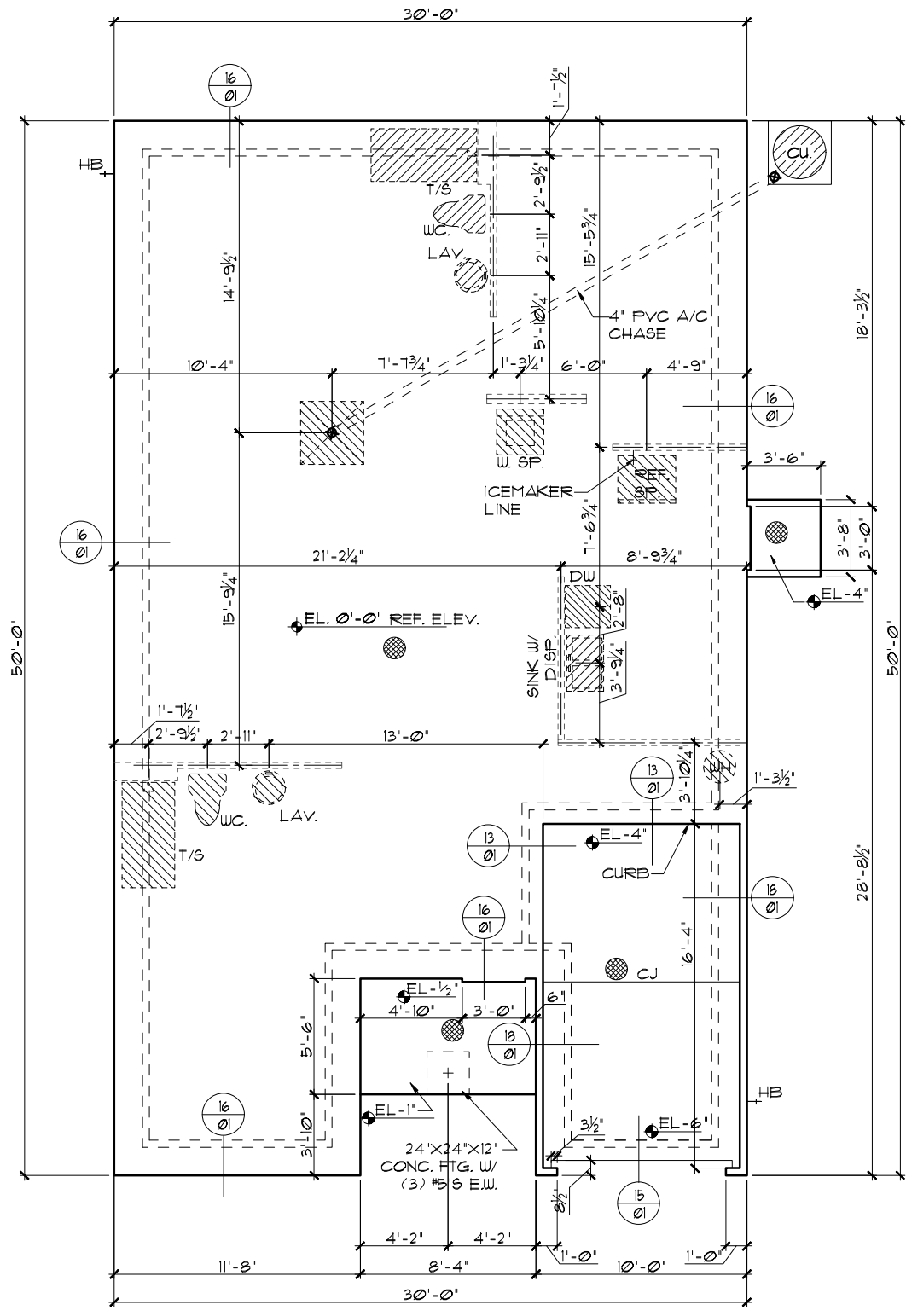
1222 MAPLE
 HABITAT

DATE 02-01-19
 SCALE AS NOTED
 DRAWN RDC
 JOB 1222
 SHEET 01
 OF 13 SHEETS



FOUNDATION NOTES

- CONTRACTOR VERIFY ALL DIMENSIONS ON JOB SITE.
- DO NOT SCALE PRINTS! CONSTRUCTION TO BE FROM CALCULATED DIMENSIONS ONLY. ANY DISCREPANCIES OR ERRORS TO BE REPORTED PROMPTLY TO SUPERVISOR FOR CLARIFICATION.
- DENOTES FLOOR SLAB OF PLANT MIX CONCRETE 2500 P.S.I. 4" THICK WITH 6X6 10/10 GAUGE REINFORCING MAT. WITH MIN. 1" COVER TERMITE TREATED SOIL WITH 0.06mm (6 mil) POLYETHYLENE VAPOR BARRIER OVER COMPACTED CLEAN FILL. WUF SHALL BE PLACED IN MIDDLE TO UPPER THIRD OF SLAB AND SUPPORTED ON APPROVED SLAB BOLSTERS. FIBER MESH REINFORCEMENT MAY BE USED AS ALTERNATIVE TO WIRE MESH.
- MECHANICAL EQUIP. LOCATIONS WILL BE DETERMINED BY COMMUNITY AND COUNTY CODES.
- IN LIEU OF TREATING THE SOIL, AN ALTERNATIVE TO TERMITE TREATED SOIL CAN BE TERMICIDE.
- BORA-CARE TO BE APPLIED ON INTERIOR WALLS (AW MANUFACTURER'S INSTRUCTIONS AND SPECIFICATIONS, PURSUANT TO SEC. R318 OF THE FLORIDA BUILDING CODE/ RESIDENTIAL.
- CONSULT WITH MANUF. SPECIFICATIONS PRIOR TO POURING OR RECESSING DOOR SILLS OR SLIDING GLASS DOOR SILLS.
- EXTERIOR SLABS SHALL SLOPE 1/8" PER FOOT AWAY FROM HOUSE U.N.O. ON PLAN.
- CONTROL JOINTS (IF SHOWN) ARE NOT REQUIRED BY CODE BUT ARE SUGGESTED (ESPECIALLY WHEN USING REINFORCED CONCRETE OR IN EXTERIOR CONDITIONS). CONTROL JOINTS TO BE 1/8" SAW-CUT A DEPTH OF 1/4 OF THE THICKNESS OF THE SLAB. FILL CUT WITH APPROVED JOINT MATERIAL OR USE ALTERNATIVE APPROVED METHOD.
- NO WOOD STAKES PERMITTED IN FOUNDATION.
- ALL FOOTING TO BE MIN. 12" BELOW GRADE.

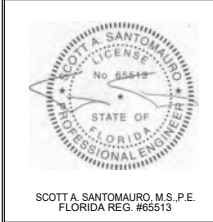


FOUNDATION PLAN

1/8" = 1'-0" (11X17) 1/4" = 1'-0" (22X34)

THIS STRUCTURE IS DESIGNED TO WITHSTAND 140 MPH WINDS PER THE FLORIDA RESIDENTIAL CODE 2011 6TH EDITION

LOT SPECIFIC INFORMATION
 © COPYRIGHT 2018 RDC, INC. hereby reserves its common law copyrights and other copyrights in these plans, ideas, and design. These plans, ideas, and design are not to be copied or changed in any manner or form whatsoever, nor are they to be assigned to any third party without first obtaining the express written permission from RDC, INC.



REVISIONS BY
 02-25-20 DAL
 Engineering By:
 DESS, INC.
 CA#27371
 PHONE 321.251.6006
 3662 AVALON PARK E. BLVD.
 SUITE 2072
 ORLANDO, FL 32828



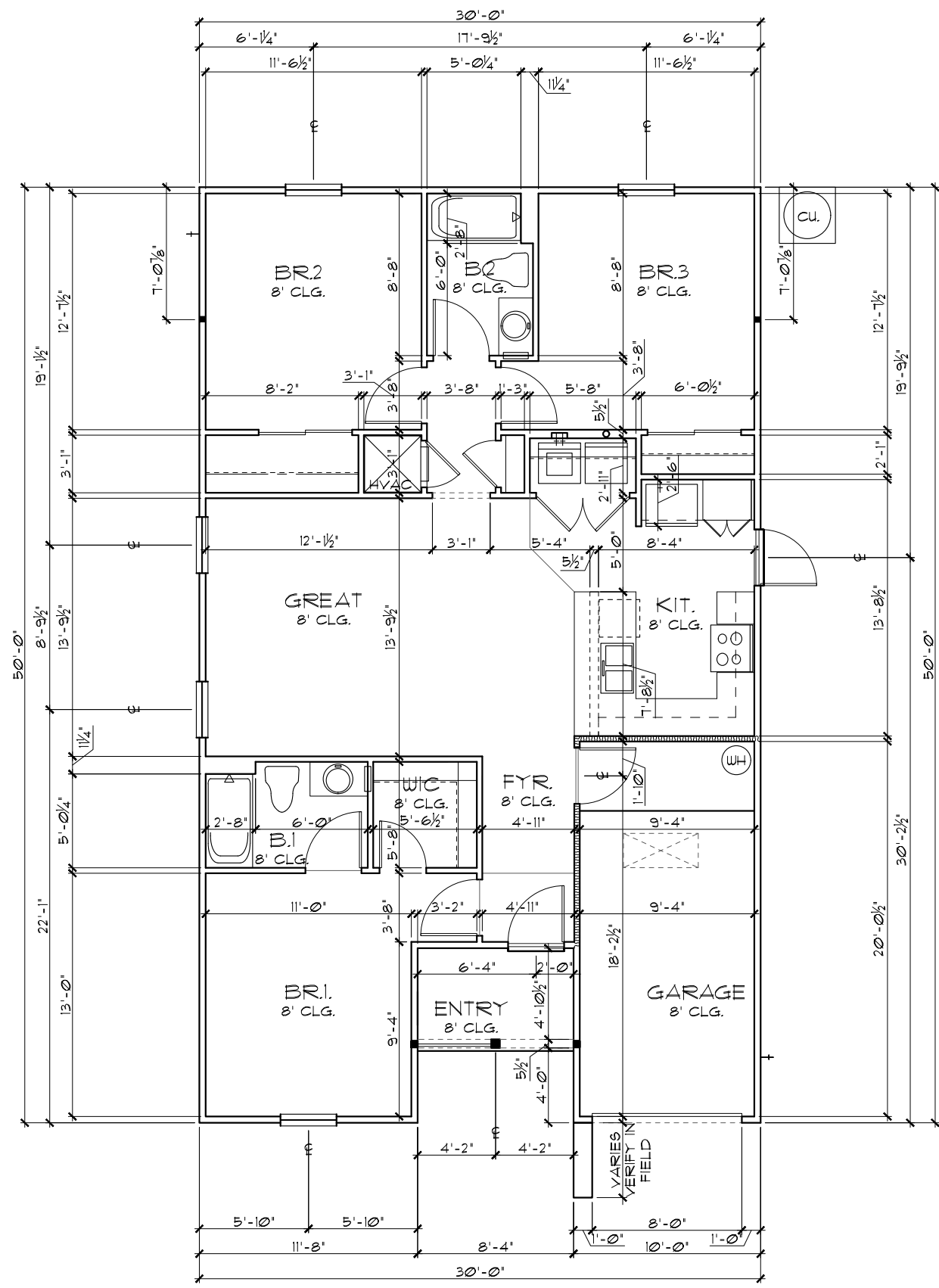
4301 VINELAND
 RD. SUITE E1
 ORLANDO FL
 32811
 407-930-1111

FLOOR PLAN W/ DIMENSIONS



1222 MAPLE
 HABITAT

DATE 02-01-19
 SCALE AS NOTED
 DRAWN RDC
 JOB 1222
 SHEET
 02
 OF 13 SHEETS



FLOOR PLAN W/ DIMENSIONS

1/8"=1'-0" (11X17) 1/4"=1'-0" (22X34)

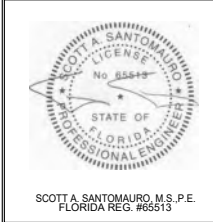
TABULATION	
TOTAL LIVING-----	1,222 SF.
GARAGE-----	200 SF.
ENTRY-----	44 SF.
LANAI-----	0 SF.
TOTAL UNDER ROOF-----	1,466 SF.

- GENERAL NOTES
1. CONTRACTOR TO VERIFY ALL DIMENSIONS ON JOB SITE.
 2. DO NOT SCALE PRINTS! CONSTRUCTION TO BE FROM CALCULATED DIMENSIONS ONLY. ANY DISCREPANCIES OR ERRORS TO BE REPORTED PROMPTLY TO SUPERVISOR FOR CLARIFICATION.
 3. ALL INTERIOR FRAME WALL DIMENSIONS TO BE 3 1/2" UNLESS NOTED OTHERWISE.
 4. ALL EXTERIOR FRAME WALL DIMENSIONS TO BE 4" FOR FIRST FLOOR UNLESS OTHERWISE NOTED.
 5. ALL INTER. FIRST FLOOR CEILINGS AT **8'-0"** UNLESS NOTED OTHERWISE.
 6. MECHANICAL EQUIPMENT LOCATIONS WILL BE DETERMINED BY COMMUNITY AND COUNTY CODES.

THIS STRUCTURE IS DESIGNED TO WITHSTAND 140 MPH WINDS PER THE FLORIDA RESIDENTIAL CODE 2011 6TH EDITION

LOT SPECIFIC INFORMATION

© COPYRIGHT 2018 RDC, INC. hereby reserves its common law copyrights and other copyrights in these plans, ideas, and design. These plans, ideas and designs are not to be copied or changed in any manner or form whatsoever, nor are they to be assigned to any third party without first obtaining the express written permission from RDC, INC.



SCOTT A. SANTOMAURO, M.S., P.E.
FLORIDA REG. #65513

REVISIONS BY
02-25-20 DAL



Engineering By:
RDC, INC.
CA#27371
PHONE 321.251.6006
9682 AVALON PARK E. BLVD.
SUITE 2072
ORLANDO, FL 32828

4301 VINELAND RD. SUITE E1
ORLANDO FL 32811
407-930-1111

FLOOR PLAN W/ NOTES



1222 MAPLE
HABITAT

DATE 02-01-19
SCALE AS NOTED
DRAWN RDC
JOB 1222
SHEET 03
OF 13 SHEETS

THIS STRUCTURE IS DESIGNED TO WITHSTAND 140 MPH WINDS PER THE FLORIDA RESIDENTIAL CODE 2011 6TH EDITION

LOT SPECIFIC INFORMATION

LOAD INFORMATION

PER 6TH EDITION, 2011 FLORIDA BUILDING RESIDENTIAL CODE

DEAD LOADS

FLOOR: STRUCTURE	1 PSF
CEILING	3 PSF
MECH/ELEC	5 PSF
PARTITIONS	5 PSF
TOTAL	20 PSF

ROOF: SHEATHING

SHEATHING	5 PSF
STRUCTURE	1 PSF
CEILING	3 PSF
MECH/ELEC	5 PSF
TOTAL	20 PSF

FLOOR LIVE LOADS

RESIDENTIAL FLOOR	40 PSF
ATTIC WITHOUT STORAGE	10 PSF
ATTIC WITH LIMITED STORAGE	20 PSF
GUARDRAILS & HANDRAILS	200 LBS
GUARDRAILS IN-FILL COMP.	50 PSF
SLEEPING ROOMS	30 PSF
ROOMS OTHER THAN SLEEPING	40 PSF
STAIR LIVE LOAD	40 PSF

ROOF LIVE LOADS

MINIMUM ROOF LIVE LOAD (PSF)			
TRIBUTARY LOADED AREA (SQ. FT.)			
FOR ANY STRUCTURAL MEMBER			
ROOF SLOPE	0-200	201-600	OVER 600
0:12 < 4:12	20	16	12
≥ 4:12 < 12:12	16	14	12
≥ 12:12	12	12	12

WIND INFORMATION

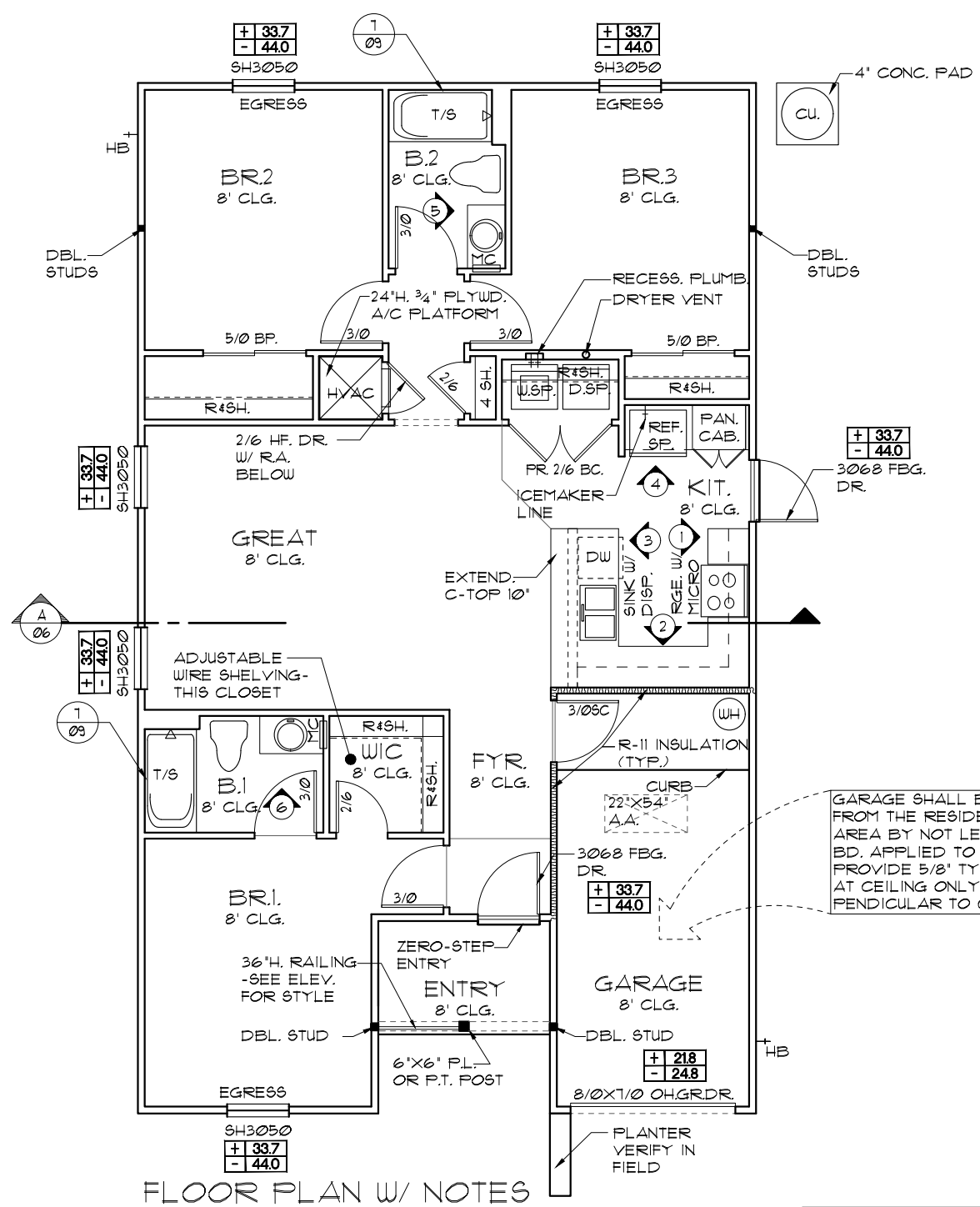
PER 6TH EDITION, 2011 FLORIDA BUILDING RESIDENTIAL CODE

- BASIC WIND SPEED: 140 MPH
- RISK CATEGORY: II
- BUILDING WIND EXPOSURE: B
- INTERNAL PRESSURE: +/- .18, INCLUDED COEFFICIENT: IN NOTE #5
- COMPONENT / CLADDING: SEE PLAN DESIGN WIND PRESSURE:

+ XXX	DESIGN WIND PRESSURE 1AW FLA
- XXX	RESIDENTIAL CODE, SECTION R301

NOTE: DESIGN PRESSURES BASED ON BASIC WIND SPEED AND NOT ULTIMATE WIND SPEED.

- ### GENERAL NOTES
- PROVIDE RECESS HOT & COLD WATER WITH DRAIN @ WASHER SPACE.
 - VENT DRYER THRU EXT. WALL OR ROOF.
 - PROVIDE COLD WATER LINE FOR ICE MAKER LINE @ REF. SPACE.
 - DO NOT SCALE PRINTS! CONSTRUCTION TO BE FROM CALCULATED DIMENSIONS ONLY. ANY DISCREPANCIES OR ERRORS TO BE REPORTED PROMPTLY TO SUPERVISOR FOR CLARIFICATION.
 - MECHANICAL EQUIPMENT LOCATION TO BE DETERMINED BY COMMUNITY STANDARDS AND APPLICABLE COUNTY CODES.
 - NOT USED
 - REFER TO TYPICAL DETAIL SHEET FOR EXTERIOR WALL FINISH SPECIFICATIONS
 - REFER TO DETAIL SHEETS FOR FLASHING REQUIREMENTS AT ALL WOOD TO MASONRY INTERFACES
 - ANCHOR THE CONDENSER UNIT TO SLAB PER CODE: M1307.2 + I307.3.1
 - ALL INTER. FIRST FLOOR CEILING AT 8'-0" UNLESS NOTED OTHERWISE.
 - ALL INTER. SECOND FLOOR CEILING AT N/A UNLESS NOTED OTHERWISE.

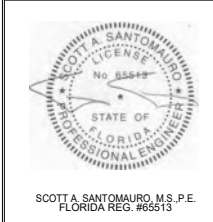


FLOOR PLAN W/ NOTES
1/8"=1'-0" (11X17) 1/4"=1'-0" (22X34)

GUARDRAILS:
 *MINIMUM HEIGHT: 36"
 *PICKETS SHALL NOT ALLOW PASSAGE OF A SPHERE 4" IN DIAMETER
 *MINIMUM LIVE LOAD
 GUARDRAIL: 200 P.S.F.
 *MINIMUM LIVE LOAD IN-FILL COMPONENTS: 50 P.S.F.

NOTE:
SEE DETAIL 1/09 FOR BLOCKING DETAIL FOR GRAB-BAR

NOTE:
ALL FLOORING ON THIS FLOOR TO BE WOOD UNO.- VERIFY WITH COLOR SHEET.
 ALL FLOORING ON THE STAIRS TO BE N/A UNO.- VERIFY WITH COLOR SHEET.
 ALL INTERIOR DOORS ON THIS FLOOR TO BE: 6'-8" UNO. - VERIFY WITH COLOR SHEET.



REVISIONS BY
 09-03-20 DAL
 Engineering By:
 DESS, INC.
 CA#27371
 PHONE 321.251.6006
 9662 AVALON PARK E. BLVD.
 SUITE 2072
 ORLANDO, FL 32828

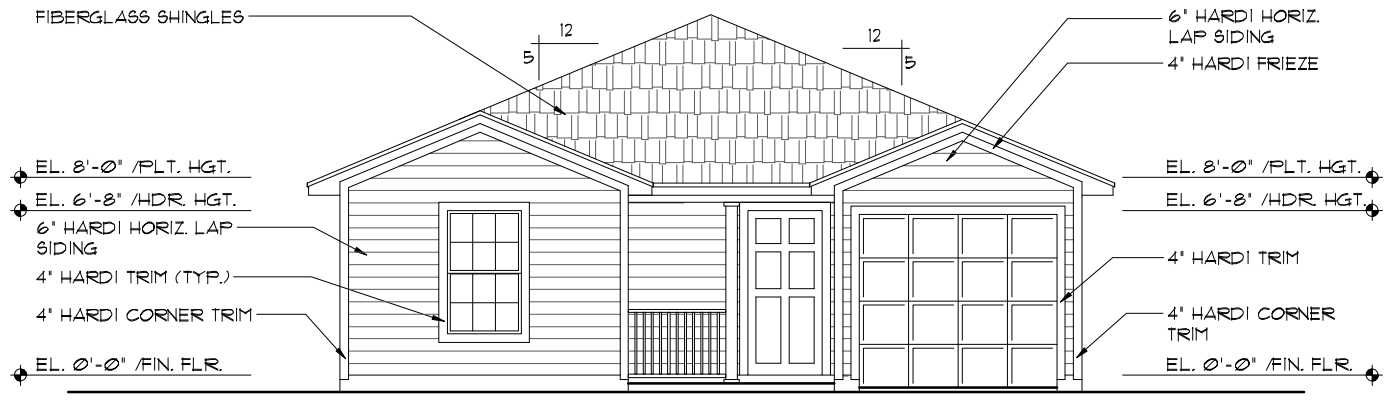
4301 VINELAND RD. SUITE E1
 ORLANDO FL 32811
 407-930-1111

EXTERIOR ELEVATION
 FRONT AND REAR

Habitat for Humanity
 Greater Orlando & Osceola County

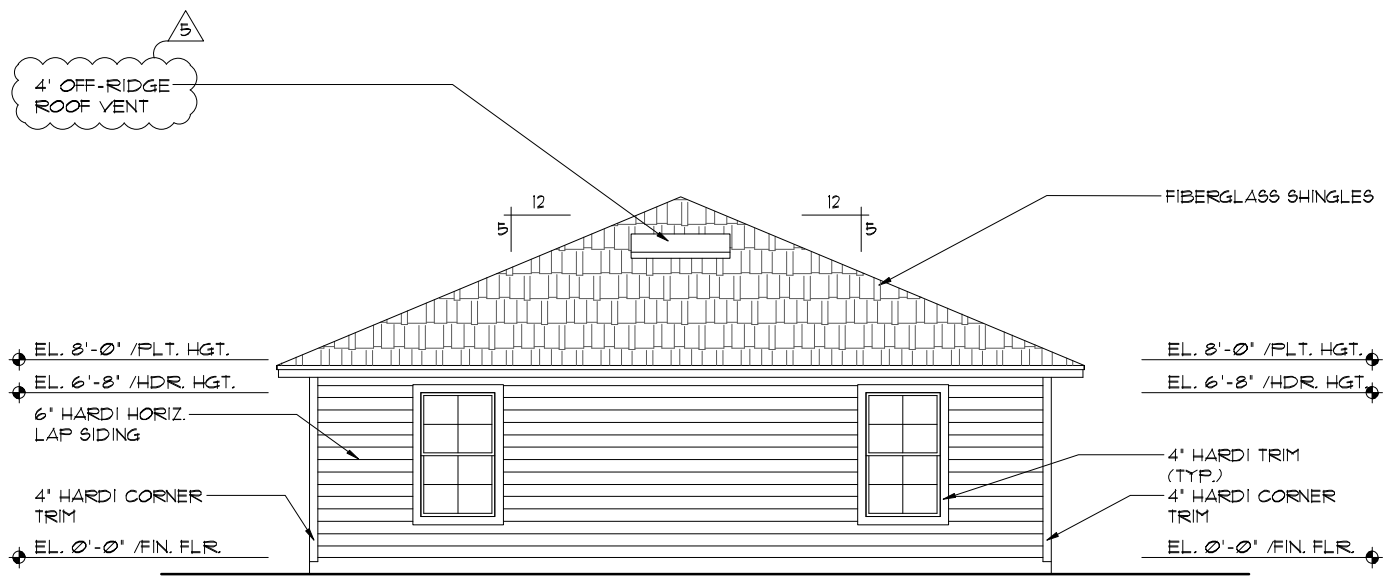
1222 MAPLE
 HABITAT

DATE 02-01-19
 SCALE AS NOTED
 DRAWN RDC
 JOB 1222
 SHEET 04
 OF 13 SHEETS



FRONT ELEVATION

1/8"=1'-0" (11X17) 1/4"=1'-0" (22X34)



REAR ELEVATION

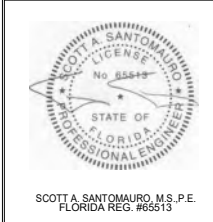
1/8"=1'-0" (11X17) 1/4"=1'-0" (22X34)

- ELEVATION NOTES**
1. WATER RESISTANT BARRIER TO BE INSTALLED IAW R103.1.3 OF THE 6TH EDITION, FBCR. 2011
 2. 'ZIP SYSTEMS' WALL AND ROOF SHEATHING MAY BE USED AS AN ALTERNATIVE FOR WALL AND ROOF SHEATHING AND VAPOR BARRIER, ON EXTERIOR WALLS AND ROOF.

THIS STRUCTURE IS DESIGNED TO WITHSTAND 140 MPH WINDS PER THE FLORIDA RESIDENTIAL CODE 2011 6TH EDITION

LOT SPECIFIC INFORMATION

© COPYRIGHT 2018 RDC, INC. hereby reserves its common law copyrights and other copyrights in these plans, ideas, and design. These plans, ideas and designs are not to be copied or changed in any manner or form whatsoever, nor are they to be assigned to any third party without first obtaining the express written permission from RDC, INC.



REVISIONS BY
 09-03-20 DAL
 Engineering By:
 DESS, INC.
 CA#27371
 PHONE 321.251.6006
 3662 AVALON PARK E. BLVD.
 SUITE 2072
 ORLANDO, FL 32828

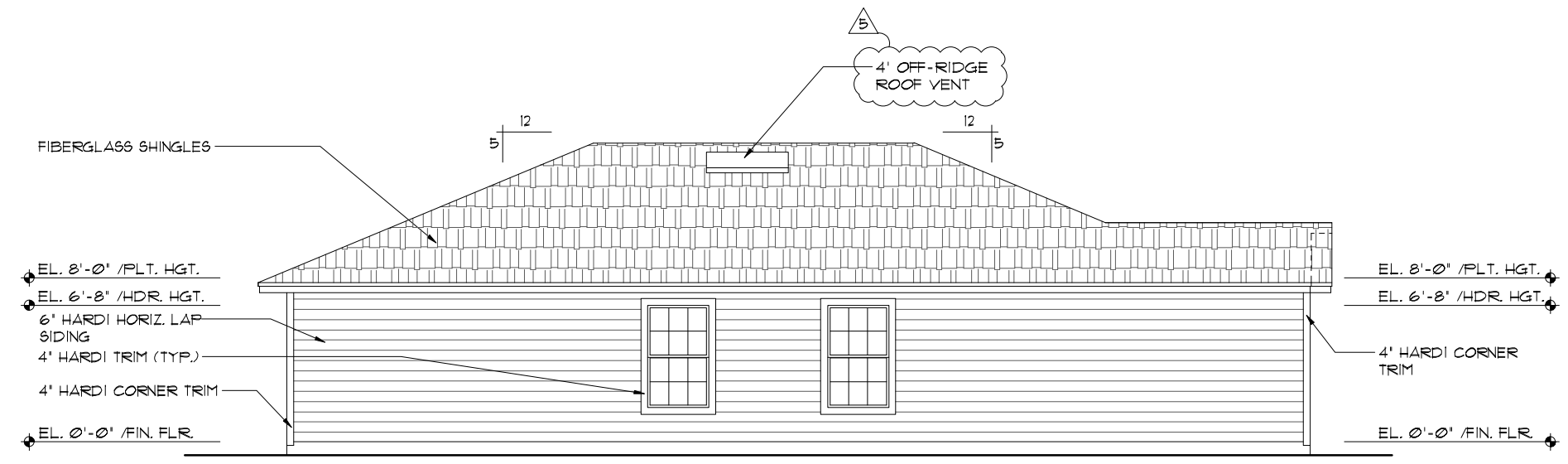
4301 VINELAND RD. SUITE 101
 ORLANDO FL 32811
 407-930-1111

EXTERIOR ELEVATIONS
 LEFT AND RIGHT

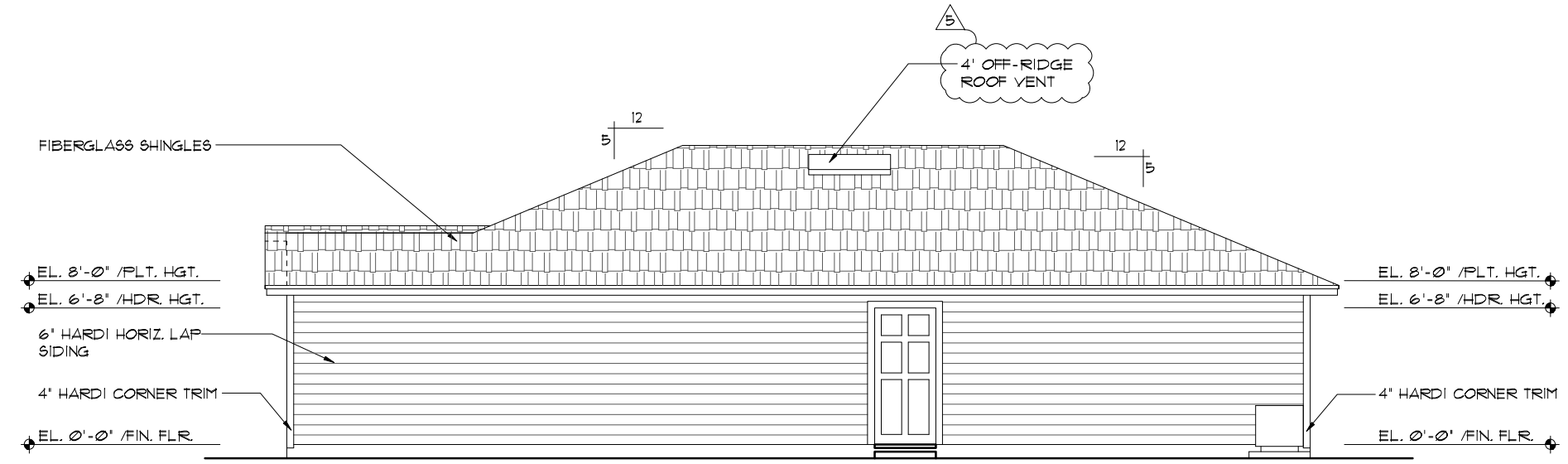
Habitat for Humanity
 Greater Orlando & Osceola County

1222 MAPLE
 HABITAT

DATE 02-01-19
 SCALE AS NOTED
 DRAWN RDC
 JOB 1222
 SHEET 05
 OF 13 SHEETS



LEFT ELEVATION
 1/8"=1'-0" (11X17) 1/4"=1'-0" (22X34)



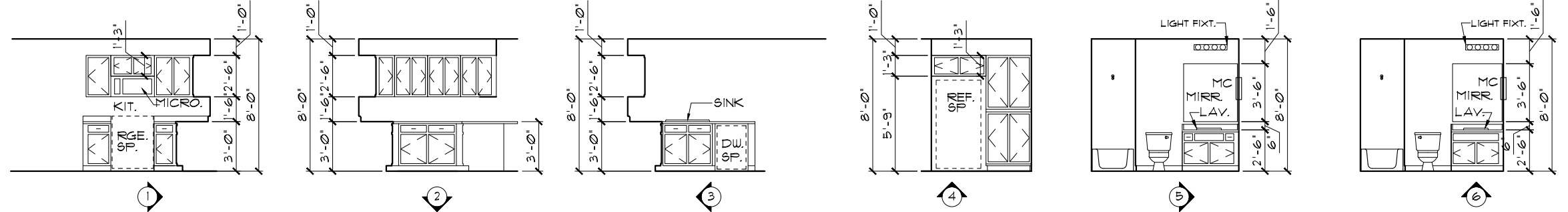
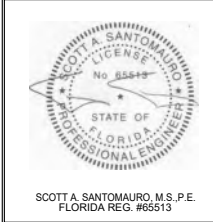
RIGHT ELEVATION
 1/8"=1'-0" (11X17) 1/4"=1'-0" (22X34)

- ELEVATION NOTES**
1. WATER RESISTANT BARRIER TO BE INSTALLED IAW R103.1.3 OF THE 6TH EDITION, FBCR. 2017
 2. 'ZIP SYSTEMS' WALL AND ROOF SHEATHING MAY BE USED AS AN ALTERNATIVE FOR WALL AND ROOF SHEATHING AND VAPOR BARRIER, ON EXTERIOR WALLS AND ROOF.

THIS STRUCTURE IS DESIGNED TO WITHSTAND 140 MPH WINDS PER THE FLORIDA RESIDENTIAL CODE 2017 6TH EDITION

LOT SPECIFIC INFORMATION

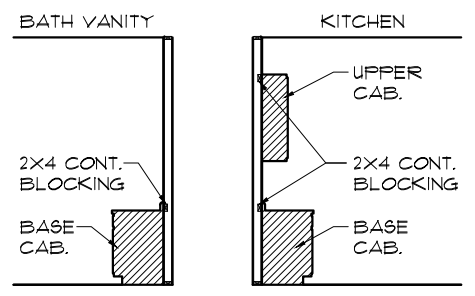
© COPYRIGHT 2018 RDC, INC. hereby reserves its common law copyrights and other copyrights in these plans, ideas, and design. These plans, ideas and designs are not to be copied or changed in any manner or form whatsoever, nor are they to be assigned to any third party without first obtaining the express written permission from RDC, INC.



INTERIOR ELEVATIONS

1/8"=1'-0" (11X17) 1/4"=1'-0" (22X34)

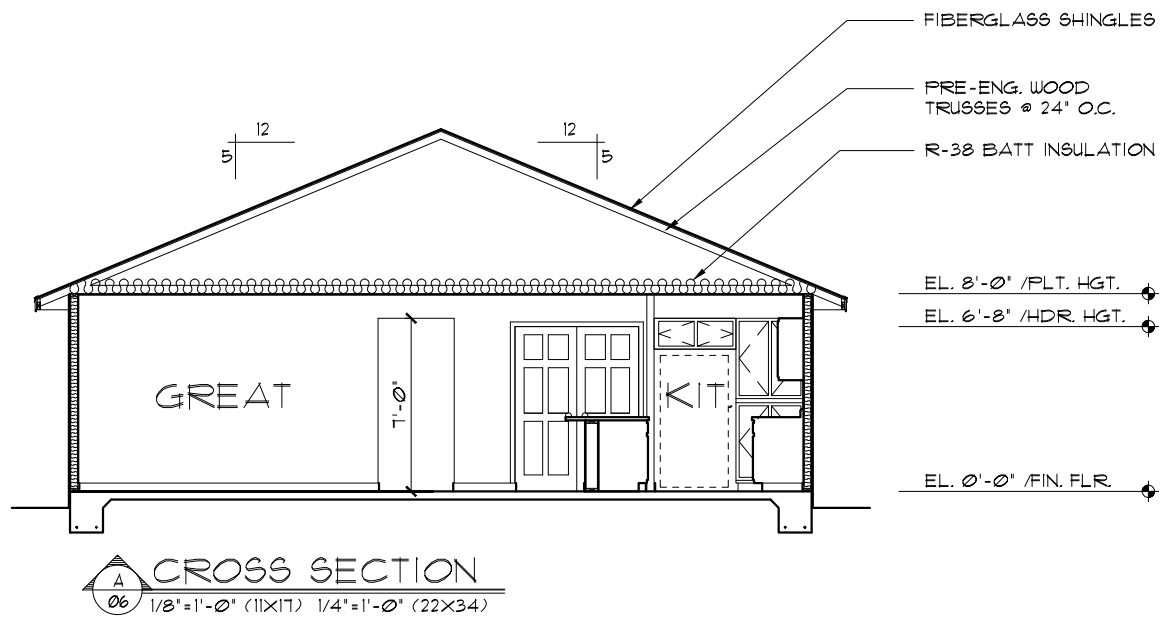
NOTE: INTERIOR ELEVATIONS ARE CONCEPTUAL ONLY. SEE CABINET SHOP DRAWINGS FOR FINAL VERIFICATION.



(VERIFY HEIGHTS W/ CABINET MANUFACTURER)

BLOCKING DETAIL

1/8"=1'-0" (11X17) 1/4"=1'-0" (22X34)



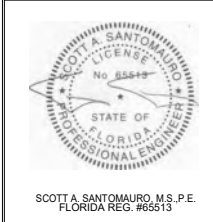
CROSS SECTION
1/8"=1'-0" (11X17) 1/4"=1'-0" (22X34)

THIS STRUCTURE IS DESIGNED TO WITHSTAND 140 MPH WINDS PER THE FLORIDA RESIDENTIAL CODE 2011 6TH EDITION

LOT SPECIFIC INFORMATION

REVISIONS	BY
02-25-20	DAL
Engineering By: DBSS, INC. CA#27371 PHONE 321.251.6006 3662 AVALON PARK E. BLVD. SUITE 2072 ORLANDO, FL 32828	
4301 VINELAND RD. SUITE E1 ORLANDO FL 32811 407-930-1111	
CROSS SECTION / INTERIOR ELEVATIONS	
1222 MAPLE	HABITAT
DATE	02-01-19
SCALE	AS NOTED
DRAWN	RDC
JOB	1222
SHEET	06
OF	13 SHEETS

© COPYRIGHT 2018 RDC, INC. hereby reserves its common law copyrights and other copyrights in these plans, ideas, and design. These plans, ideas and designs are not to be copied or changed in any manner or form whatsoever, nor are they to be assigned to any third party without first obtaining the express written permission from RDC, INC.



REVISIONS BY
 09-03-20 DAL
 Engineering By:
 DESS, INC.
 CA#27371
 PHONE 321.251.6006
 9882 AVALON PARK E. BLVD.
 SUITE 2072
 ORLANDO, FL 32828

4301 VINELAND RD. SUITE 101
 ORLANDO FL 32811
 407-930-1111

TRUSS LAYOUT

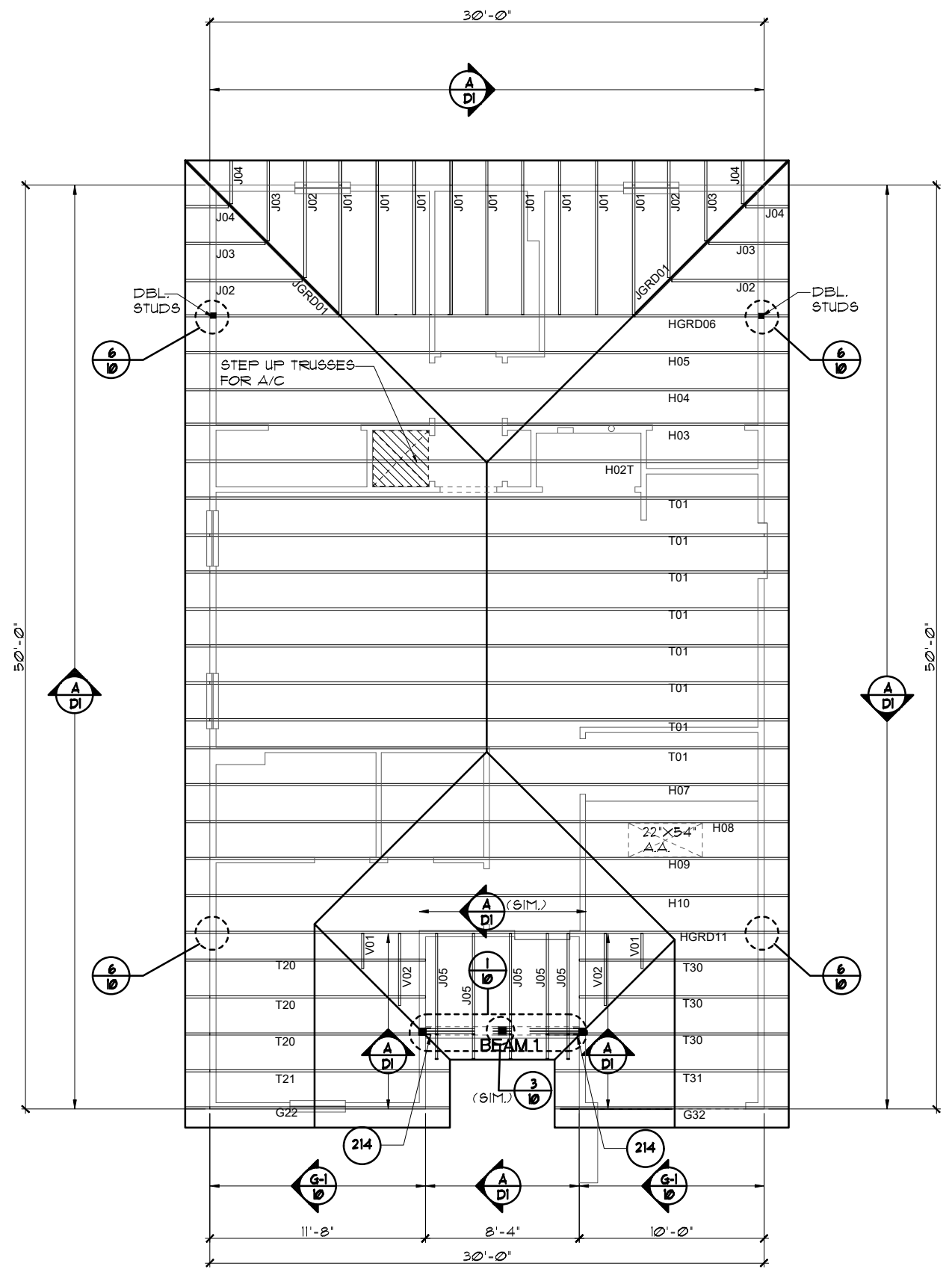


1222 MAPLE
 HABITAT
 DATE 02-01-19
 SCALE AS NOTED
 DRAWN RDC
 JOB 1222
 SHEET 08
 OF 13 SHEETS

BEAM SCHEDULE
BEAM 1: (2) 2X12 S W/ 1/2" PLYWD. FLITCH PLATE
BEAM 2: (2) PLY 1-3/4"X12" LVL
BEAM 3: (3) PLY 1-3/4"X12" LVL

ATTIC VENTILATION CALCULATIONS
 PER FBC2011 6TH EDITION R306: MIN. 40% - MAX. 50% OF REQUIRED VENTILATION TO BE IN UPPER PORTION OF ATTIC SPACE AND THE BALANCE TO BE IN LOWER PORTION (EAVES).
 THE MINIMUM NET VENTILATION AREA SHALL BE 1/300 OF VENTED SPACE:
 TOTAL VENTED SPACE: $\frac{1466SF}{300} = \frac{4.88SF}{NET FREE REQUIRED}$
 UPPER PORTION VENTILATION TOTAL: **2.39SF**
 PROVIDED W/OFF RIDGE VENTS: 3 VENTS @ 798SF./VENT.
 (TILE: O'HAGIN MODEL 'S' (.855SF.), SHINGLE: LOMANCO T10-D (4'=.198SF., 6'=.219SF.)
 LOWER PORTION VENTILATION TOTAL: **14.52SF**
 PROVIDED W/SOFFITS @ EAVE: 167LF. @ 0.087SF VENTING/L.F.
 UPPER PORTION PERCENTAGE: **49%**
 LOWER PORTION PERCENTAGE: **51%**

- NOTES**
1. TYPICAL ROOF GABLE OVERHANG TO BE 12" UNLESS OTHERWISE NOTED.
 2. TYPICAL ROOF EAVES OVERHANG TO BE 16" UNLESS OTHERWISE NOTED.
 3. PROVIDE AND INSTALL FLASHING AND ROOFING AS PER NATIONAL ROOFING AND SHEET METAL ASSOC. STANDARDS AND/OR ACCEPTABLE INDUSTRY PRACTICE AND IN ACCORDANCE WITH THE 2011 6TH EDITION FBCR.
 4. ALL ROOF TRUSSES, GIRDERS, BEAMS, HEADERS, ETC. TO BE SIZED BY TRUSS MANUFACTURER OR FL. REG. ENG.
 5. TRUSSES SHALL BE BRACED TO PREVENT ROTATION & PROVIDE LATERAL STABILITY IN ACCORDANCE WITH THE REQUIREMENTS SPECIFIED IN THE CONSTRUCTION DOCUMENTS FOR BUILDING & ON THE INDIVIDUAL TRUSS DESIGN DRAWINGS. IN THE ABSENCE OF SPECIFIC BRACING REQUIREMENTS, TRUSSES SHALL BE BRACED IN ACCORDANCE WITH TPI/WTCA BC91.1.
 6. REFER TO TRUSS MANUFACTURER'S DRAWINGS FOR TRUSS PLACEMENT & TRUSS TO TRUSS CONNECTIONS.
 7. SHINGLE ROOF: UNDERLAYMENT TO BE (1) LAYER 30" FELT. INSTALL 1AW FBCR 2011, 6TH EDITION R305.1



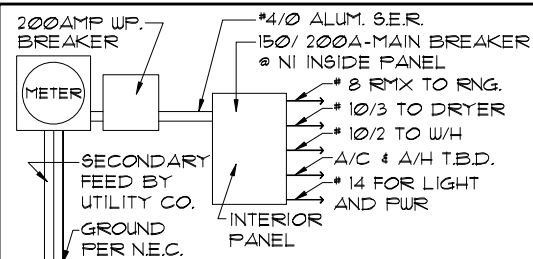
TRUSS LAYOUT
 1/8"=1'-0" (11X17) 1/4"=1'-0" (22X34)

THIS STRUCTURE IS DESIGNED TO WITHSTAND 140 MPH WINDS PER THE FLORIDA RESIDENTIAL CODE 2011 6TH EDITION

MECHANICAL/GENERAL NOTES

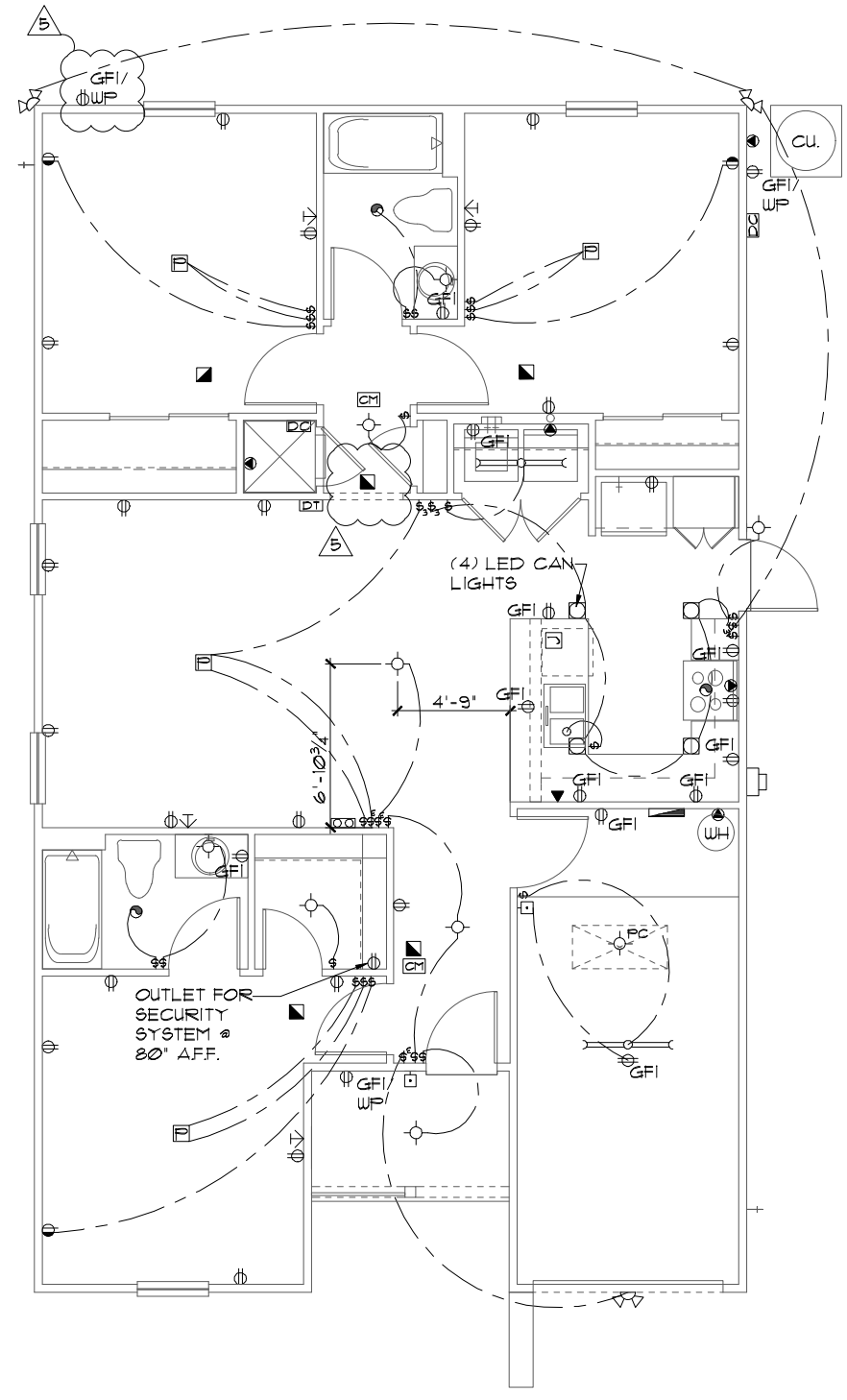
PER 6TH ED. 2011 FLA BLD. CODE-RESIDENTIAL

- 1.) COMPLETE DUCT DESIGN W/ SIZES & R-VALUE COMPLYING W/ THE FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION 610.1 ABC.1
- 2.) SUFFICIENT SPACE SHALL BE PROVIDED ADJACENT TO THE MECHANICAL COMPONENTS TO ASSURE ADEQUATE ACCESS FOR:
 - A) CONSTRUCTION AND SEALING, AND
 - B) SECTION M1601 PER THE FBCR 2011 6TH ED.
- 3.) AIR CONDITIONING SYSTEM SHALL BE COMPLETELY BALANCED. ALL ROOMS ISOLATED FROM THE RETURN AIR SHALL BE PROVIDED WITH MEANS TO COMPLY WITH SECTION M1602 OF THE FBCR CODE 2011 6TH EDITION.
- 4.) IAW NEC 2014- 210.12- ALL 15A OR 20A, 120V BRANCH CIRCUITS THAT SUPPLY OUTLETS IN DWELLING UNITS- FAMILY RMS, DINING RMS, LIVING RMS, PARLORS, LIBRARIES, BEDROOMS DENS, CLOSETS, SUNROOMS, RECREATION RMS, HALLWAYS OR SIMILAR AREAS SHALL BE PROTECTED BY A LISTED AFCI DEVICE OF THE COMBINATION TYPE.
- 5.) IAW NEC 2014- 406.11, ALL 15A AND 20A, 125V RECEPTACLES SHALL BE LISTED AS TAMPER RESISTANT.
- 6.) SMOKE ALARMS SHALL BE IN ALL SLEEPING AREAS, SHALL BE INTERCONNECTED, SHALL BE WITHIN 1' TO 3' OF PEAK & SHALL BE 3' FROM THE SUPPLY OR RETURN AIR- STREAM & EQUIPPED W/ A BATTERY BACKUP. ALARMS MAY NOT BE CONNECTED WHERE ALARMS ARE WIRELESS & ALL ALARMS SOUND UPON ACTIVATION IAW FBCR R314.3 & R314.4. MODEL* TO BE USED ON THIS JOB TO BE:
BRK: SMOKE-9120B, C/O- SC9120B
KIDDE: SMOKE-21007581, C/O 21006377-N
- 7.) ALL WATER HEATERS HAVING AN IGNITION SOURCE TO BE ELEVATED SUCH THAT THE SOURCE OF IGNITION IS MINIMUM 18" ABOVE GARAGE FLOOR UNLESS WATER HEATER IS LISTED AS FLAMMABLE VAPOR IGNITION RESISTANT. IAW FBCR 2011, 6TH ED. P2801.7
- 8.) ALL EQUIPMENT & APPLIANCES, INCLUDING WATER HEATERS HAVING AN IGNITION SOURCE TO BE ELEVATED SUCH THAT THE SOURCE OF IGNITION IS MINIMUM 18" ABOVE GARAGE FLOOR UNLESS IT IS LISTED AS FLAMMABLE VAPOR IGNITION RESISTANT. IAW FBCR 2011, 6TH ED.
- 9.) THE TOTAL LENGTH OF VENTING FOR DRYER TO BE: **5'-0" MAXIMUM**-THE EXHAUST DUCT SHALL TERMINATE NOT LESS THAN 3 FEET (914MM) IN ANY DIRECTION FROM OPENINGS INTO BUILDINGS. PER FBCR 2011, 6TH ED. M1502.3



NOTE:
 ELECTRICAL MATERIALS AND INSTALLATIONS SHALL COMPLY W/ APPLICABLE PROVISIONS OF THE NATIONAL ELEC. CODE 250.52(A1) TO (6), LOCAL CODES & LOCAL POWER COMPANY

ELECTRICAL LEGEND			
⊕	SINGLE POLE SWITCH	◀	OUTLET, TV/CABLE
⊕	THREE WAY SWITCH	◀	OUTLET, PHONE
⊕	OUTLET 110-115	◀	OUTLET & TV @ 60" AFF.
⊕	OUT. 110-115, SPLIT WIRED	⊕	CHIMES
⊕	OUT. 110-115, W/ USB	⊕	SMOKE DETECTOR
⊕	OUT. 110-115, CLG. MOUNT.	⊕	CARBON MONOXIDE
⊕	OUT. 110-115, FLR. MOUNT.	⊕	PUSH BUTTON
⊕	SPL. PURPOSE 220-240	⊕	EXHAUST FAN
⊕	LIGHT FIXT., CLG. MTD.	⊕	EX. FAN/LIGHT COMBO
⊕	LIGHT FIXT., WALL MTD.	⊕	DISPOSAL
⊕	LIGHT FIXT., RECESSED	⊕	ELECTRICAL PANEL
⊕	LIGHT FIXT., REC. ADJUST.	⊕	CEILING FAN, PREWIRE
⊕	LIGHT FIXT., PULL CHAIN	⊕	CEILING FAN, INSTALL
⊕	LIGHT FIXT., FLUORESCENT	⊕	ELECT. JUNCTION BOX
⊕	LIGHT FIXT., EXT. FLOODS	⊕	THERMOSTAT
⊕	LIGHT FIXT., EMERG. EXIT	⊕	DISCONNECT SWITCH
⊕	LIGHT FIXT., EXIT/BACKUP	⊕	ELEC. POWER METER



ELECTRICAL PLAN
 1/8"=1'-0" (11X17) 1/4"=1'-0" (22X34)



REVISIONS BY
 09-03-20 DAL
 Engineering By:
 DESS, INC.
 CA#27371
 PHONE 321.251.6006
 3682 AVALON PARK E. BLVD.
 SUITE 2072
 ORLANDO, FL 32828

4301 VINELAND RD. SUITE E1
 ORLANDO FL 32811
 407-930-1111

ELECTRICAL PLAN



1222 MAPLE
 HABITAT

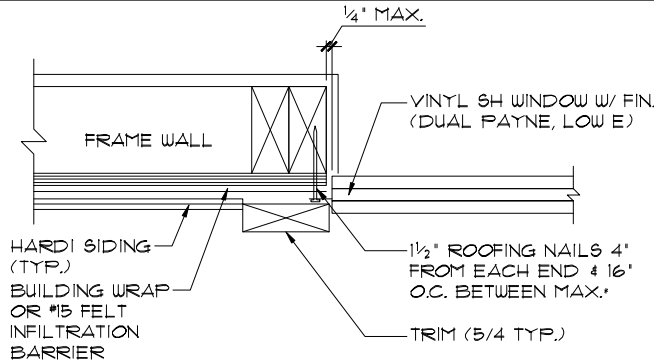
DATE 02-01-19
 SCALE AS NOTED
 DRAWN RDC
 JOB 1222
 SHEET 07
 OF 13 SHEETS

THIS STRUCTURE IS DESIGNED TO WITHSTAND 140 MPH WINDS PER THE FLORIDA RESIDENTIAL CODE 2011 6TH EDITION

LOT SPECIFIC INFORMATION
 © COPYRIGHT 2018 RDC, INC. hereby reserves its common law copyrights and other copyrights in these plans, ideas, and design. These plans, ideas and designs are not to be copied or changed in any manner or form whatsoever, nor are they to be assigned to any third party without first obtaining the express written permission from RDC, INC.

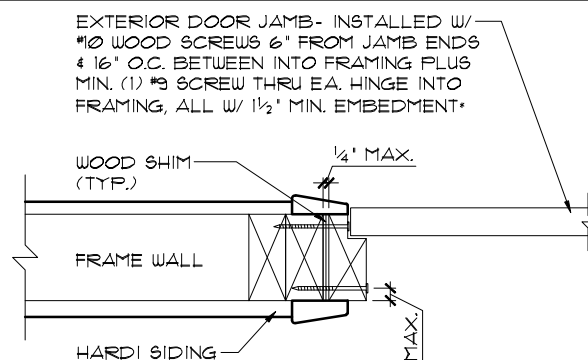
CONNECTOR SCHEDULE

CONNECT. TYPE	SIMPSON		USP		MAX. UPLIFT	LAT. LDS. F1 / F2
	DESCRIPTION	FASTENERS PER CONNECTOR	DESCRIPTION	FASTENERS PER CONNECTOR		
20	H3	RFT: 4-8d / PLT: 4-8d	RT3	RFT: 4-8d / PLT: 4-8d	455	125 / 160
21	H1	RFT: 6-8dx1 1/2" / PLT: 4-8d	RT15	RFT: 5-8dx1 1/2" / PLT: 5-8d	475	485 / 165
22	H10A	RFT: 8-8d x 1 1/2" / PLT: 8-8d x 1 1/2"	RT16	RFT: 8-8d x 1 1/2" / PLT: 8-8d	990	585/525
23	LUS26	HDR: 4-10d/JST: 4-10d / RFT / TRS: 4-8d	JUS26	HDR: 4-10d/JST: 4-10d / RFT / TRS: 3-10d	935	N/A
24	H7	PLT / STD: 10-8d	RT20	PLT / STD: 13-10d	985	400 / N/A
26	H2.5	RFT: 5-8d / PLT: 5-8d	RT7	RFT: 5-8d / PLT: 5-8d	415	150 / 150
34	A34	H: 4-8dx1 1/2" / P: 4-8dx1 1/2"	MP34	H: 4-8dx1 1/2" / P: 4-8dx1 1/2"	365	280 / 303
35	A35F	H: 4-8dx1 1/2" / P: 4-8dx1 1/2"	MPA1F	H: 6-8dx1 1/2" / P: 6-8dx1 1/2"	440	440 / N/A
37	MTS12	14-10d	MTW12	14-10d	1,000	N/A
38	MTS16	14-10d	MTW16	14-10d	1,000	N/A
39	MTS16	BLK: (4) 1/4" X 2 1/4" T.C. TRUSS: (7) 10d	MTW16	BLK: (4) 1/4" X 2 1/4" T.C. TRUSS: (7) 10d	860	N/A
43	LSTA12	10-10d	LSTA12	10-10d	905	N/A
45	ST18	14-16d	ST18	14-16d	1,200	N/A
47	LSTA24	18-10d	LSTA24	18-10d	1,295	N/A
71	MSTA36	26-10d	MSTA36	26-10d	2,135	N/A
72	MSTC66	64-16d SINKERS	N/A	N/A	5,495	N/A
79	SPI	STD: 6-10d / PLT: 4-10d	SPT22	STD: 4-10d / PLT: 4-10d	535	560 / 260
80	SP2	STD: 6-10d / PLT: 6-10d	SPT224	STD: 6-10d / PLT: 6-10d	605	560 / 260
81	SPH468	12-10d x 1 1/2"	TP46,48	12-10d x 1 1/2"	885	N/A
82	MSTA24	18-10d	N/A	N/A	1,455	N/A
88	CBSQ88	12 SDS 1/4X2"	TP46,48	12-10d x 1 1/2"	3,975	N/A
89	CB66	(2) 3/8" BOLTS	PA8X8	4-10d	2,300	985
90	ABU66	12-16d	PAU66	12-16d	2,240	N/A
91	CBSQ66	14 SDS 1/4X2"	PAU66	12-16d	3,190	N/A
92	ABU44	12-16d	PAU44	12-16d	2,200	N/A
93	AC6 (MAX)	28-16d	PBS66	24-16d	1,815	1,070
94	AC4 (MAX)	28-16d	PBS44	24-16d	1,815	1,070
95	HTS20	20-10d	HTW20	20-10d	1,450	N/A
99	A35	H: 4-8dx1 1/2" / P: 4-8dx1 1/2"	MPA1	H: 6-8dx1 1/2" / P: 6-8dx1 1/2"	440	440 / N/A
100	STHD14	30-16d SINKERS	N/A	N/A	5,150	N/A
101	HTT4	5/8" BOLT / 18-16d X 2 1/2"	N/A	N/A	3,640	N/A
102	HTT5	5/8" BOLT / 26-10d	N/A	N/A	4,275	N/A
106	SPH4	STD: 10-10d X 1 1/2"	N/A	N/A	620	N/A
110	HCF2	12-10d x 1 1/2"	HHCF2	20-10d x 1 1/2"	520	260 / N/A
167	HHS46	H: 14-16d / J: 6-16d	THD46	H: 8-18d / J: 12-10d	1,550	N/A
181	HUS26	20-16d	THD26	H: 20-16d / J: 10-10d	1,550	N/A
184	HUC28-2	H: 14-16d / J: 4-10d	N/A	N/A	1,085	N/A
212	HUC410	HD: 18-1/2" X 1 3/4" LAG SCR. BM: 10-10d	N/A	N/A	1,810	N/A
214	HUC412	FACE: 14-SDS 1/4X2 1/2" JOIST: 6-SDS 1/4X2 1/2"	N/A	N/A	1,805	N/A
215	HGS210-2	HDR: 46-16d / JST: 10-16d	EHU210-2	HDR: 40-16d / JST: 16-10d	2,720	N/A
401	SUR/L414	FACE: 18-16d / JST: 8-16d	N/A	N/A	1,700	N/A
T	CONNECTORS TO BE SPECIFIED AND PROVIDED BY TRUSS MANUFACTURERS					



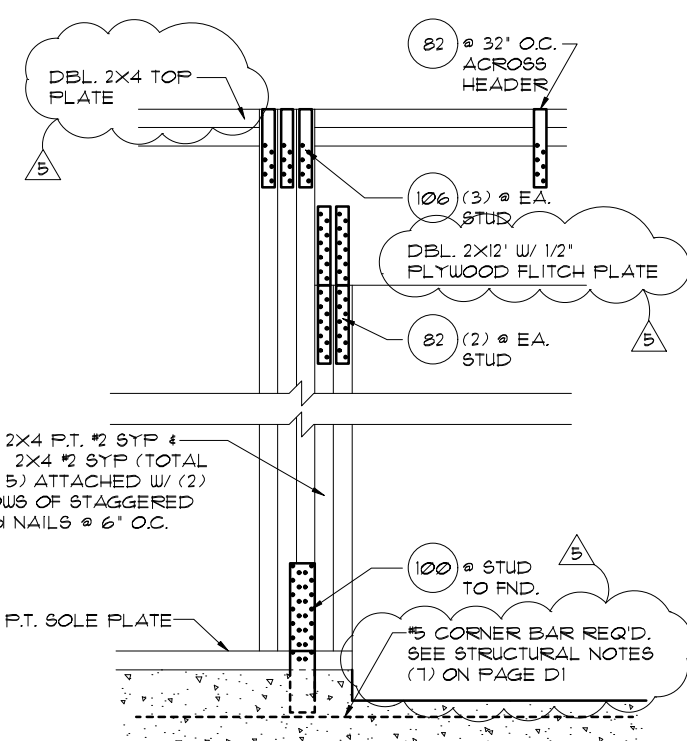
*MINIMUM, OR PER MANUFACTURER FLORIDA PRODUCT APPROVAL INSTRUCTIONS

6 FIN. WINDOW IN FRAME WALL
09 3/4"=1'-0" (11X17) 1 1/2"=1'-0" (22X34)

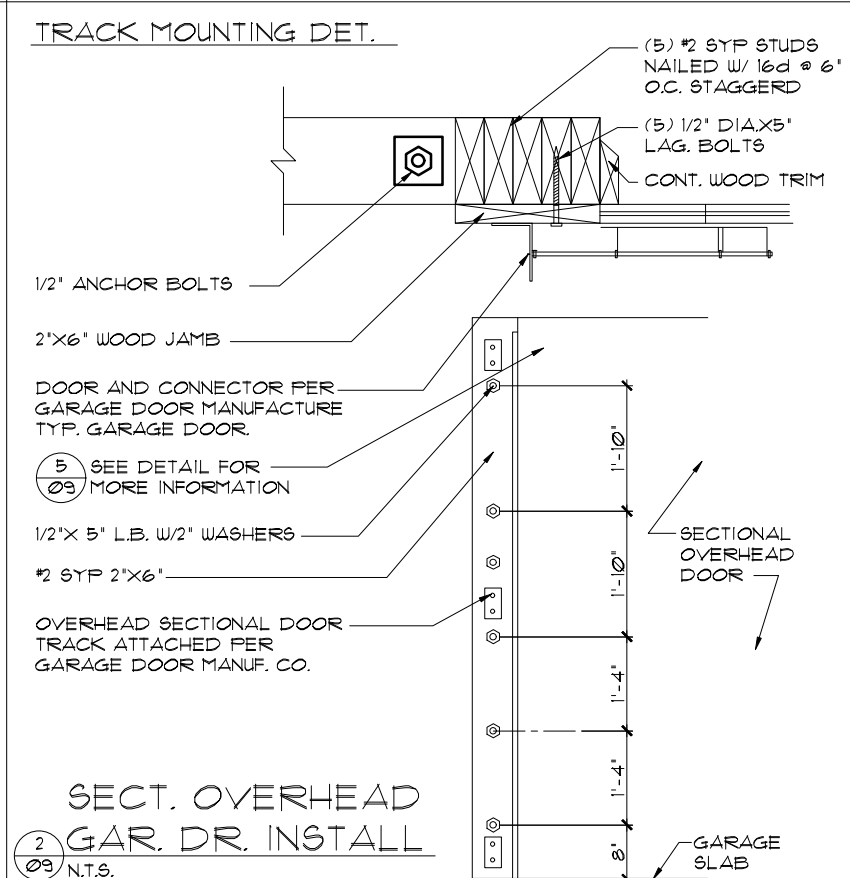


*MINIMUM, OR PER MANUFACTURER FLORIDA PRODUCT APPROVAL INSTRUCTIONS

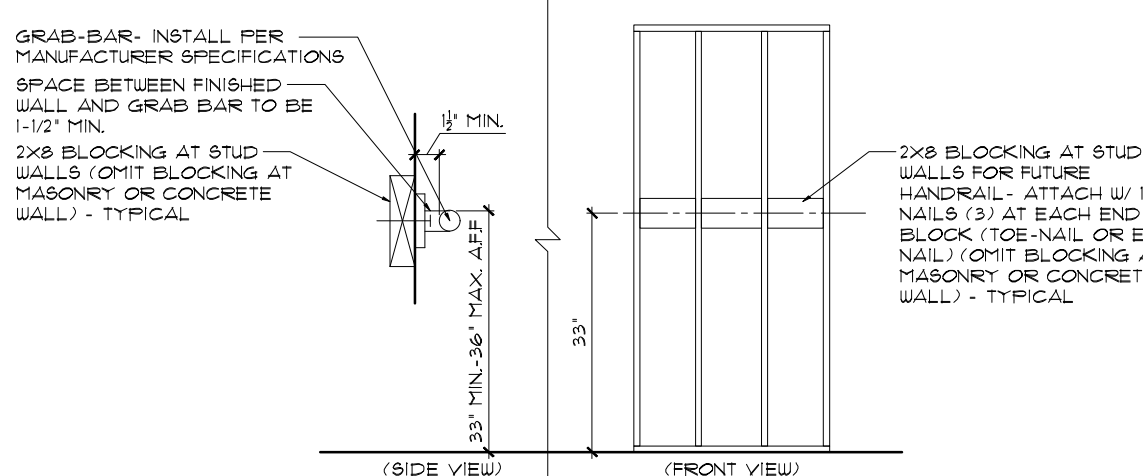
3 EXT. DOOR IN FRAME WALL (TYP.)
09 1 1/2"=1'-0" (11X17) 3"=1'-0" (22X34)



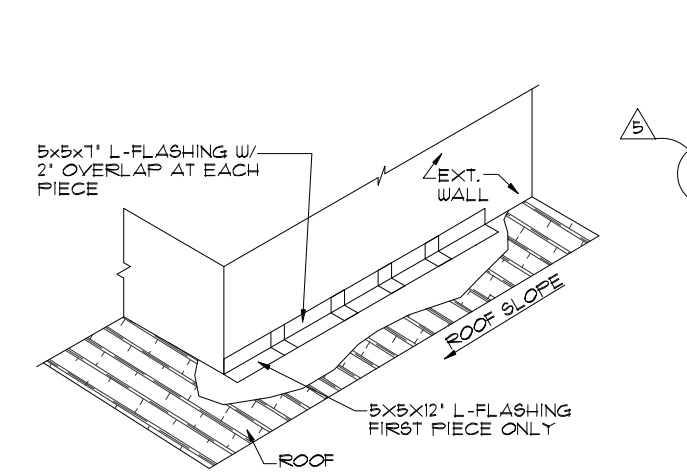
5 GARAGE HEADER ANCHOR
09 3/4"=1'-0" (11X17) 1 1/2"=1'-0" (22X34)



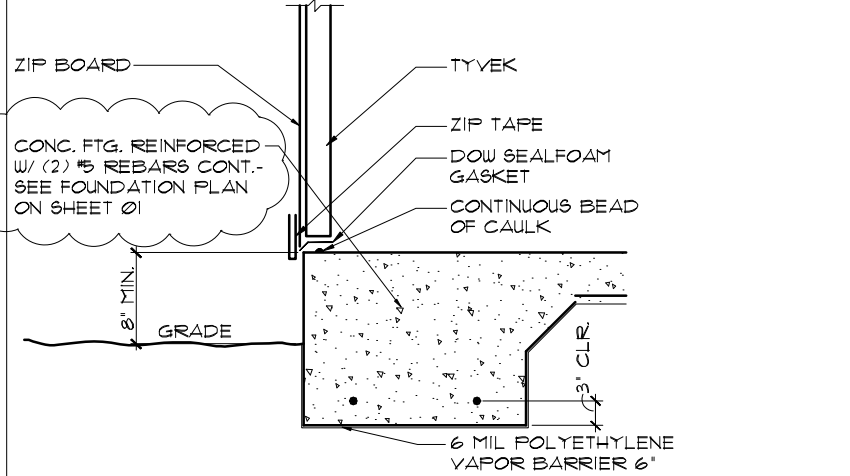
2 SECT. OVERHEAD GAR. DR. INSTALL
09 N.T.S.



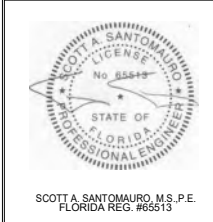
7 GRAB-BAR DETAIL
09 N.T.S.



4 STEP FLASHING DETAIL
09 N.T.S.



1 EXT. FRAME WALL TERMITE DETAIL
09 3/4"=1'-0" (11X17) 1 1/2"=1'-0" (22X34)



REVISIONS BY
09-03-20 DAL
Engineering By:
RDC, INC.
3682 AVALON PARK E. BLVD.
SUITE 2072
ORLANDO, FL 32828
PHONE 321.251.6006
CA#27371

4301 VINELAND RD. SUITE E1
ORLANDO FL 32811
407-930-1111
CONNECTOR SCHEDULE / DETAILS

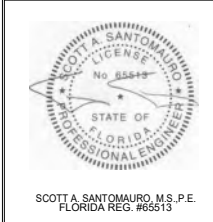
Habitat for Humanity
Greater Orlando & Osceola County

1222 MAPLE
HABITAT
DATE 02-01-19
SCALE AS NOTED
DRAWN RDC
JOB 1222
SHEET 09
OF 13 SHEETS

THIS STRUCTURE IS DESIGNED TO WITHSTAND 140 MPH WINDS PER THE FLORIDA RESIDENTIAL CODE 2011 6TH EDITION

LOT SPECIFIC INFORMATION

© COPYRIGHT 2018 RDC, INC. hereby reserves its common law copyrights and other copyrights in these plans, ideas, and design. These plans, ideas and designs are not to be copied or changed in any manner or form whatsoever, nor are they to be assigned to any third party without first obtaining the express written permission from RDC, INC.



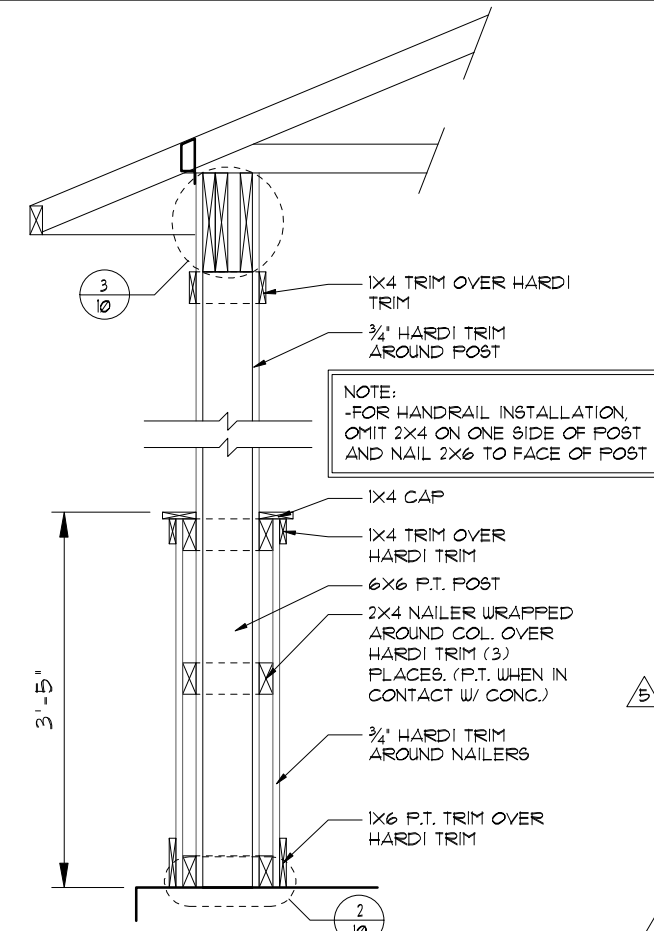
REVISIONS BY
 09-03-20 DAL
 Engineering By:
 DESS, INC.
 CA#27371
 PHONE 321.251.6006
 9682 AVALON PARK E. BLVD.
 SUITE 2072
 ORLANDO, FL 32828

4301 VINELAND RD. SUITE E1
 ORLANDO FL 32811
 407-930-1111

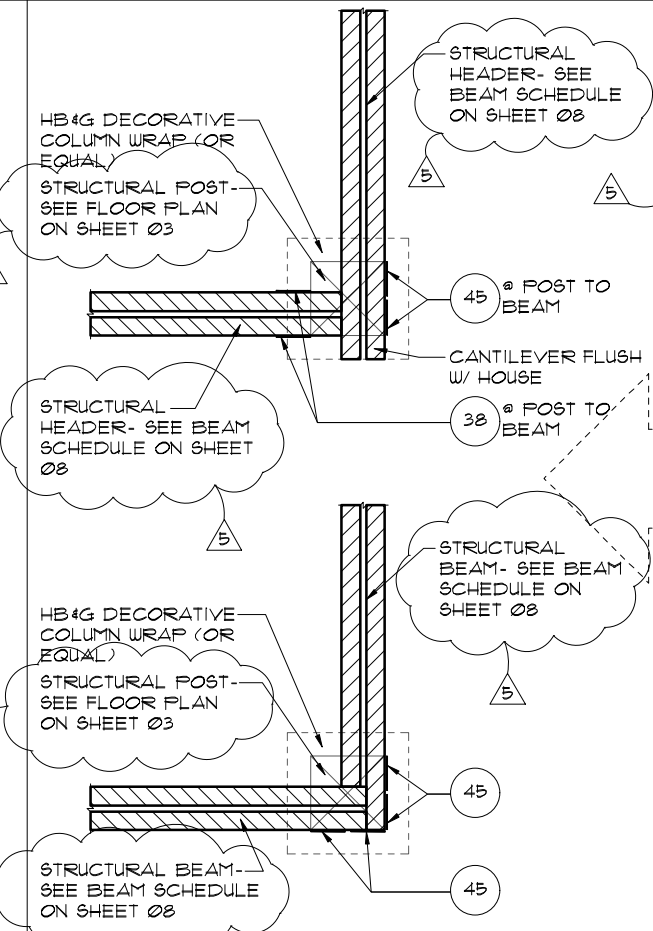
STRUCTURAL DETAILS

Habitat for Humanity Greater Orlando & Osceola County
 1222 MAPLE HABITAT
 DATE 02-01-19
 SCALE AS NOTED
 DRAWN RDC
 JOB 1222
 SHEET 10 OF 13 SHEETS

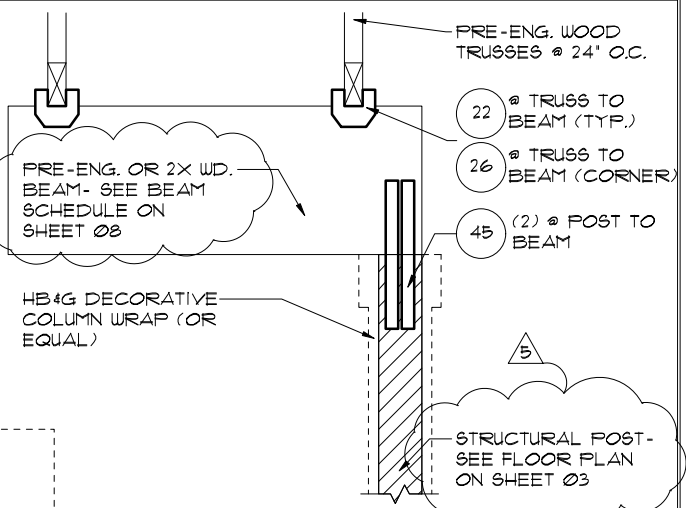
THIS STRUCTURE IS DESIGNED TO WITHSTAND 140 MPH WINDS PER THE FLORIDA RESIDENTIAL CODE 2011 6TH EDITION



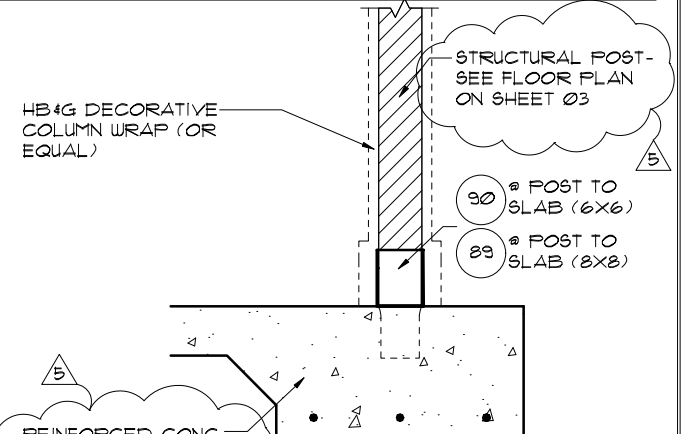
5 PORCH COLUMN DETAIL
 1/2"=1'-0" (11X17) 1"=1'-0" (22X34)



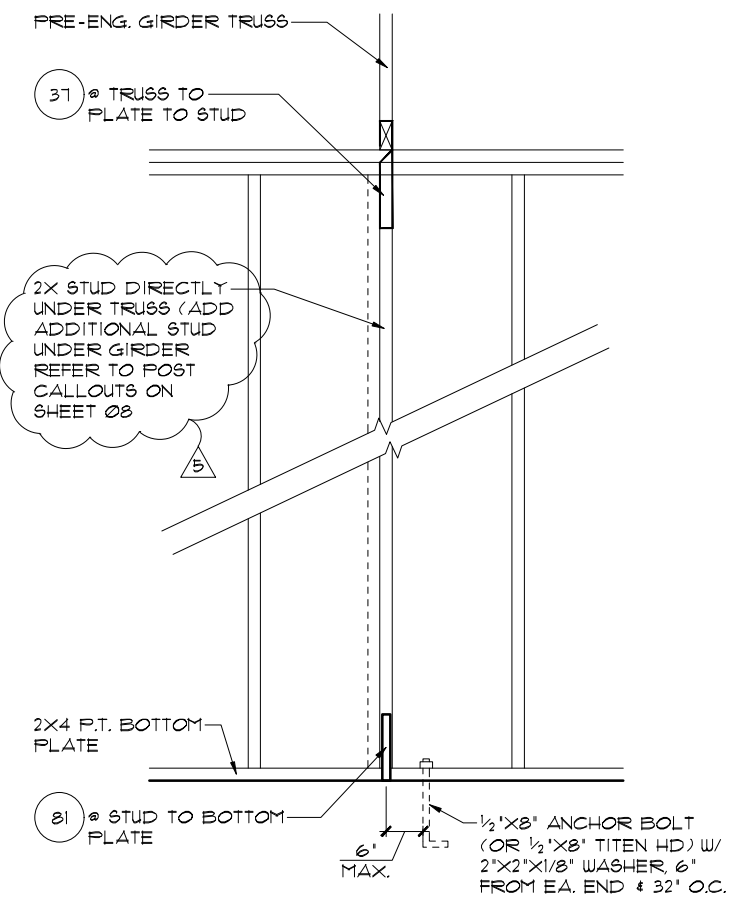
5 TOP VIEW
 3/4"=1'-0" (11X17) 1/2"=1'-0" (22X34)
 ALTERNATE BEAM PLACEMENT/ORIENTATION



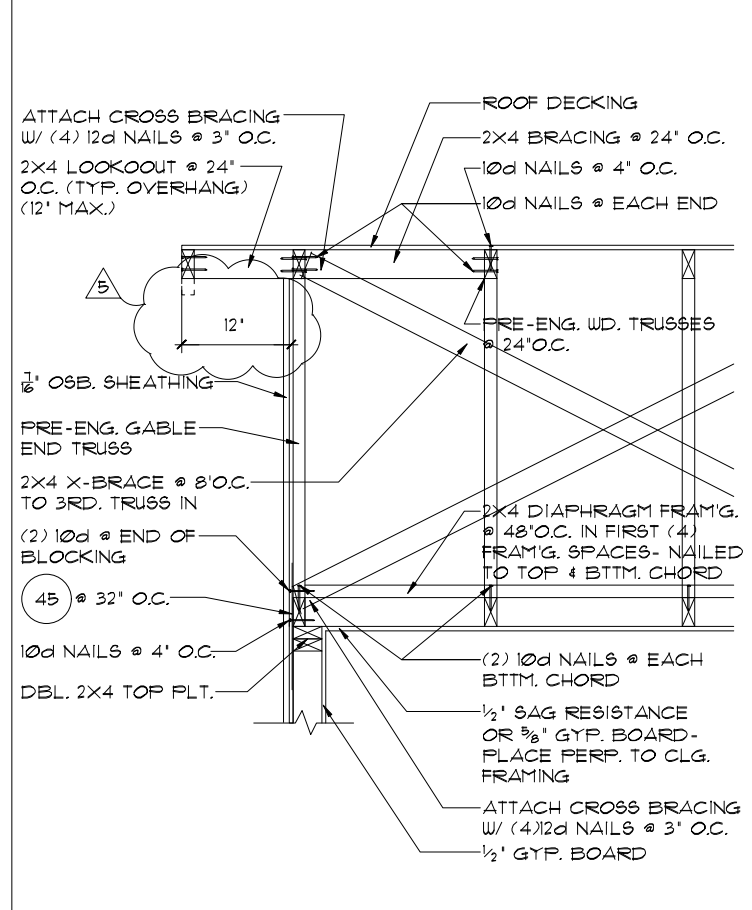
3 DETAIL
 (POST TO BEAM @ TOP)
 3/4"=1'-0" (11X17) 1/2"=1'-0" (22X34)



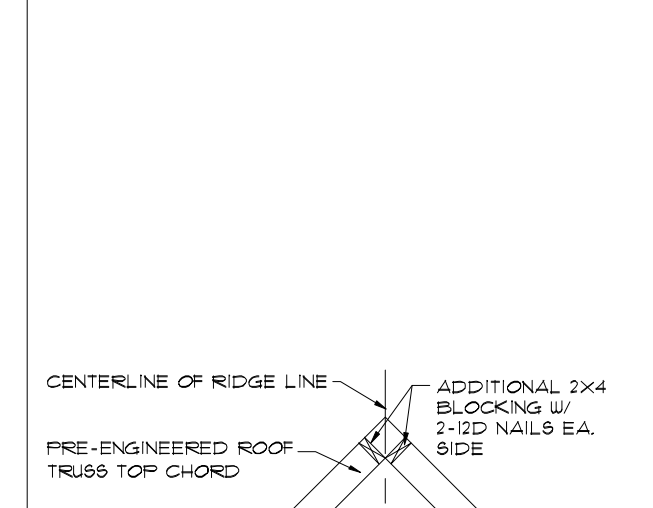
3 DETAIL
 (COLUMN TO SLAB)
 3/4"=1'-0" (11X17) 1/2"=1'-0" (22X34)



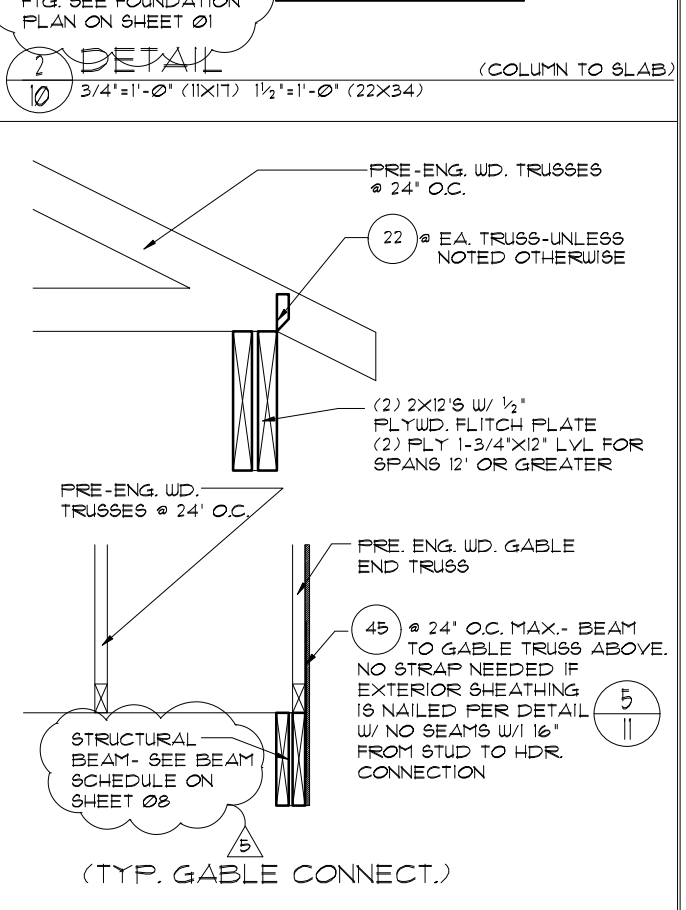
6 DETAIL
 1/2"=1'-0" (11X17) 1"=1'-0" (22X34)



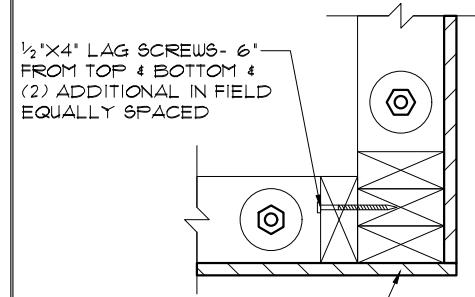
G-1 GABLE END
 3/4"=1'-0" (11X17) 1/2"=1'-0" (22X34)



4 RIDGE DETAIL
 N.T.S.

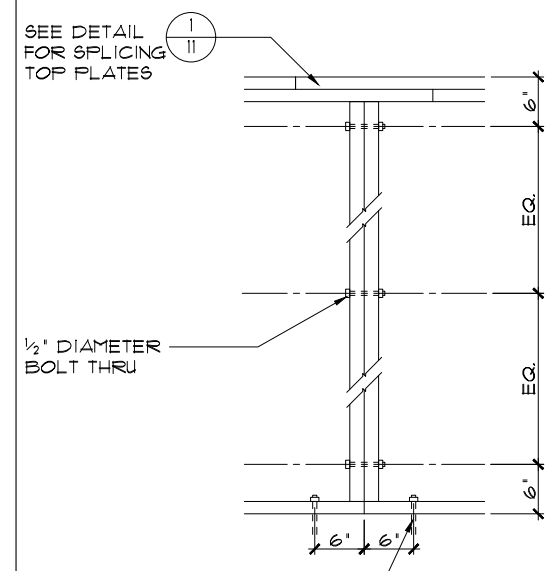


1 DETAIL
 1/2"=1'-0" (11X17) 1"=1'-0" (22X34)



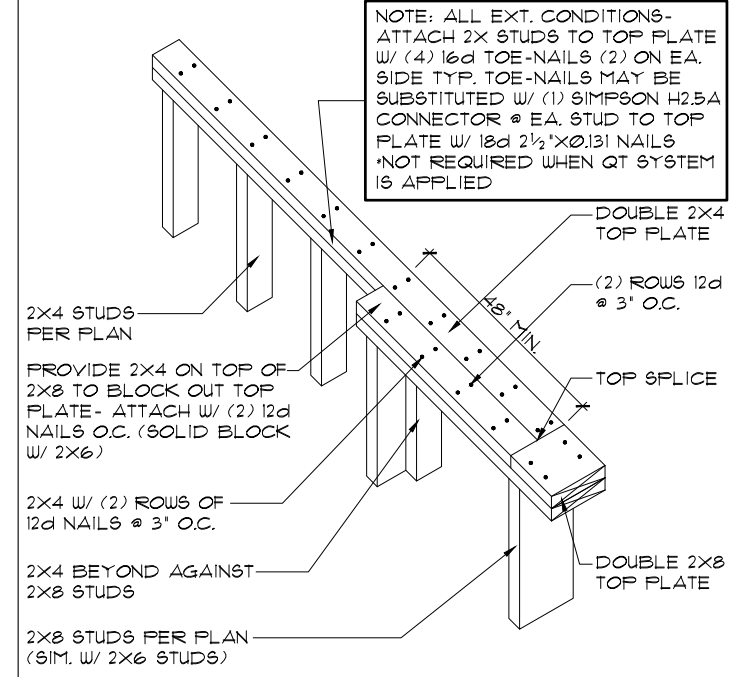
NOTE: EXTERIOR SHEATHING OF THIS WALL TO LAP OVER ADJACENT WALL PANEL AT ALL CORNERS

4 CORNER CONDITION (TOP VIEW)
 II 1/2'-1'-0" (11X17) 3'-1'-0" (22X34)



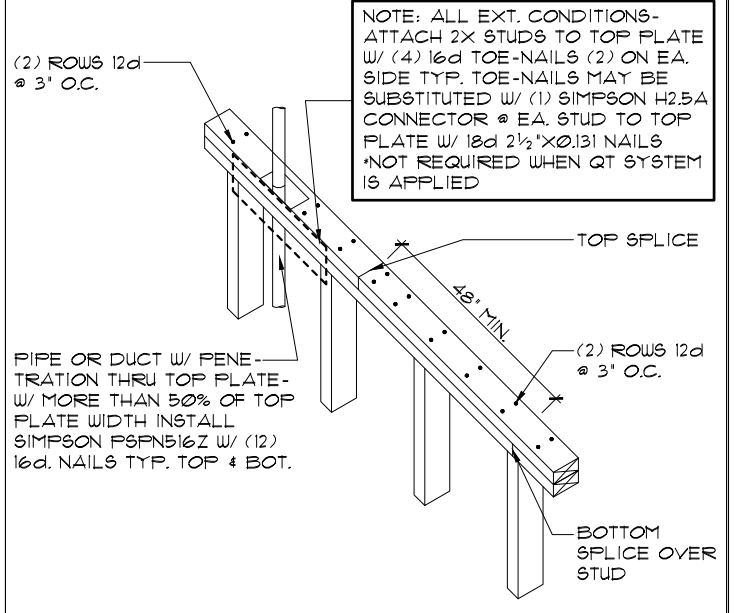
P.T. 2X #2 SYP. BASE PLATE W/ 1/2" X 8" A.B. (OR 1/2" X 8" TITEN HD) W/ 2" X 2" X 1/8" WASHER 6" FROM EA. END @ 32' O.C. (MAX.)

3 WALL PANEL CONNECTION DET.
 II 1/2'-1'-0" (11X17) 1/2'-1'-0" (22X34)



NOTE: ALL EXT. CONDITIONS- ATTACH 2X STUDS TO TOP PLATE W/ (4) 16d TOE-NAILS (2) ON EA. SIDE TYP. TOE-NAILS MAY BE SUBSTITUTED W/ (1) SIMPSON H2.5A CONNECTOR @ EA. STUD TO TOP PLATE W/ 16d 2 1/2" X 0.131 NAILS *NOT REQUIRED WHEN QT SYSTEM IS APPLIED

2 TOP PLATE TRANSITION
 II 1/2'-1'-0" (11X17) 1/2'-1'-0" (22X34)

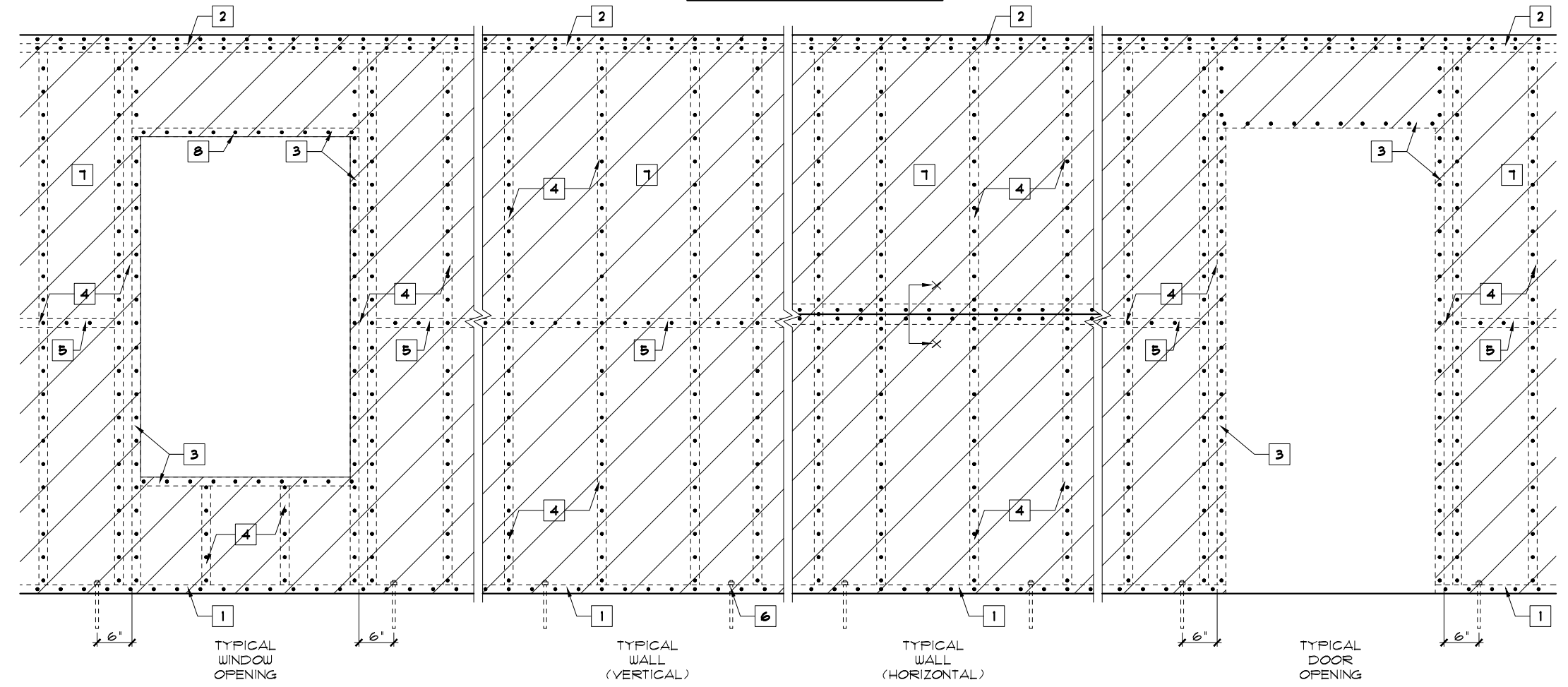


NOTE: ALL EXT. CONDITIONS- ATTACH 2X STUDS TO TOP PLATE W/ (4) 16d TOE-NAILS (2) ON EA. SIDE TYP. TOE-NAILS MAY BE SUBSTITUTED W/ (1) SIMPSON H2.5A CONNECTOR @ EA. STUD TO TOP PLATE W/ 16d 2 1/2" X 0.131 NAILS *NOT REQUIRED WHEN QT SYSTEM IS APPLIED

NOTE: PLATE LENGTHS MUST BE AT LEAST 8'-0" LONG

1 TOP PLATE SPLICE
 II 1/2'-1'-0" (11X17) 1/2'-1'-0" (22X34)

NOTE: NO STRAPPING NEEDED IF NAILING SCHEDULE IS FOLLOWED UNLESS SPECIFICALLY NOTED ON FRAMING PLAN OR REFERENCED DETAIL.



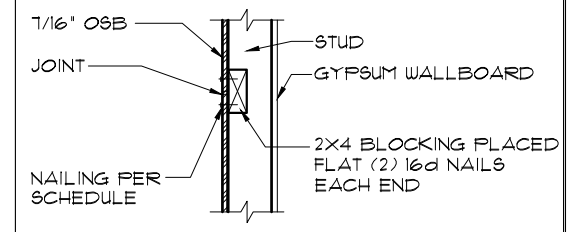
5 EXTERIOR WALL SHEATHING NAILING SCHEDULE
 II 1/2'-1'-0" (11X17) 1/2'-1'-0" (22X34)

- 1 NAIL AT BASE @ 4' O.C. W/ 8d COMMON NAIL.
- 2 NAIL AT DBL. TOP PLATE (2) ROWS @ 4' O.C. W/ 8d COMMON NAIL.
- 3 NAIL AT OPENING PERIMETER @ 3' O.C. W/ 8d COMMON NAIL.
- 4 NAIL INTERIOR FIELD @ 3' O.C. W/ 8d COMMON NAIL.
- 5 MID-WALL BLOCKING
- 6 1/2" X 8" ANCHOR BOLT (OR 1/2" X 8" TITEN HD) W/ 2" X 2" X 1/8" WASHER, 6" FROM EA. END @ 32' O.C.

NOTE: 8d NAILS FOR WALL SHEATHING MUST BE MIN. 131 X 2 1/2". DO NOT OVERDRIVE NAILS; FASTENER SHALL NOT PENETRATE SURFACE MORE THAN 1/8".

ALTERNATE PANEL WALL SYSTEM (PREFAB) ATTACH WALL SHEATHING W/ 16GA X 1 1/4" STAPLES @ 2' O.C. ON EDGED @ 4' O.C. IN FIELD.

SHEATHING MAY BE INSTALLED VERTICALLY OR HORIZONTALLY. ATTACH PER NAILING SCHEDULE. PANEL EDGES TO BE ATTACHED TO STUD AND/OR BLOCKING AT ALL EDGES. A MINIMUM OF 1/8" IS RECOMMENDED BETWEEN PANELS AND END JOINTS TO ALLOW FOR EXPANSION. FASTENERS SHALL NOT PENETRATE SURFACE MORE THAN 1/8".



X BLOCKING DETAIL
 X N.T.S.

REVISIONS	BY
02-25-20	DAL

Engineering By:
 DESS, INC.
 CA#27371
 PHONE 321.251.6006
 9682 AVALON PARK E. BLVD.
 SUITE 2072
 ORLANDO, FL 32828

4301 VINELAND RD. SUITE E1
 ORLANDO FL 32811
 407-930-1111

STRUCTURAL DETAILS

1222 MAPLE	HABITAT
DATE	02-01-19
SCALE	AS NOTED
DRAWN	RDC
JOB	1222
SHEET	11
OF	13 SHEETS

LOT SPECIFIC INFORMATION
 THIS STRUCTURE IS DESIGNED TO WITHSTAND 140 MPH WINDS PER THE FLORIDA RESIDENTIAL CODE 2011 6TH EDITION
 © COPYRIGHT 2018 RDC, INC. hereby reserves its common law copyrights and other copyrights in these plans, ideas, and design. These plans, ideas and designs are not to be copied or changed in any manner or form whatsoever, nor are they to be assigned to any third party without first obtaining the express written permission from RDC, INC.

STRUCTURAL NOTES

- (1) THIS STRUCTURE HAS BEEN DESIGNED IN ACCORDANCE W/ FRC SECT. R301 2011 EDITION. (WIND LOAD @ 150 MPH.)
- (2) WINDOWS, DOORS, AND GARAGE DOORS TO BE DESIGNED TO MEET IBCR SECTION R301
- (3) ALL FLOOR SLABS TO BE OF 2500 PSI CONC. PLANT MIX MIN. 4" THICK WITH 6x6 10/10 WIRE MESH 6 MIL. POLY. VAPOR-BARRIER OVER TERMITE TREATED COMPACTED CLEAN FILL.
- (4) CONCRETE MASONRY UNITS SHALL MEET: CH. 1-3 OF ACI 530/ ASCE 5/TMS 402 OR BIA BUILDING CODE REQUIREMENTS.
- (5) MORTAR TO BE TYPE 'M' OR 'S', GROUT - 2,500 PSI @ 28 DAYS.
- (6) MASONRY CLEAN OUTS REQUIRED @ GROUT GREATER THAN FIVE (5) FEET IN HEIGHT AND ALL VERTICALS.
- (7) REBAR TO BE # 5'S GRADE 60, W/ MIN. LAP OF 30". USE 'L' BARS @ CORNERS AND USE STANDARD HOOKS @ CHANGE IN DIRECTION WITH MIN. LAP 12"
- (8) GYP. BD. CEILING SHALL BE INSTALLED PERP. TO FRAMING & NAILED @ 1' O.C. WITH 5d NAILS. GYP. BD. WALLS SHALL BE NAILED @ 8" O.C. WITH 5d NAILS
- (9) UPLIFT CONNECTORS TO PROVIDE CONTINUITY FROM ROOF TRUSSES THRU PLATES TO SLAB AND FOUNDATION PER ENCLOSED DETAILS.
- (10) EPOXY ANCHOR ALTERNATIVE: THREADED ANCHOR ROD MAY BE USED IN LIEU OF ANCHOR BOLTS FOR USE AS PLATE ANCHORS OR HURRICANE ANCHORS. THE FOLLOWING CRITERIA MUST BE MET:

ANCHOR SIZE	CONC. SIZE	MIN. HOLE DEPTH
1/2"	3/4"	6"
5/8"	1"	7"
3/4"	1 1/8"	8"
1"	1 1/2"	9"

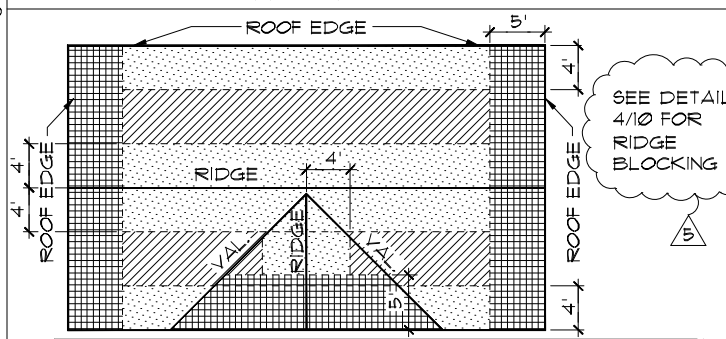
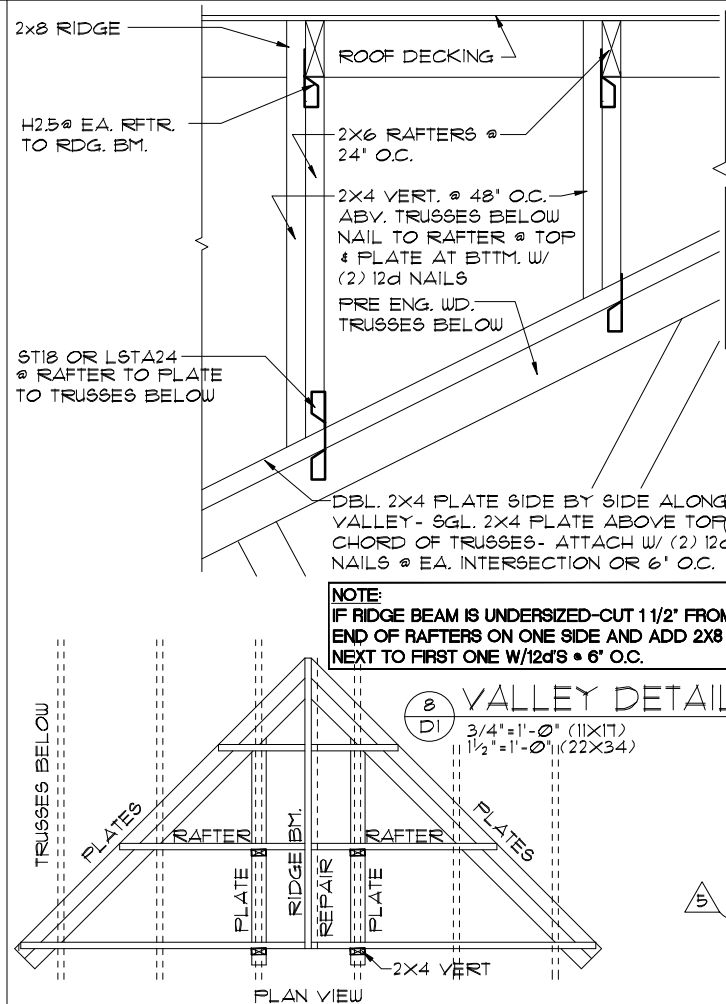
AFTER HOLE IS DRILLED, ALL CONCRETE DUST MUST BE REMOVED PRIOR TO EPOXY INSTALLATION. THREADED ROD TO BE MIN. A36 STEEL AND FREE OF DIRT OR GREASE. LOAD ON ROD CANNOT BE APPLIED UNTIL 12 HOURS AFTER INSTALLATION. 2 COMPONENT EPOXY RESIN MATERIAL TO BE MIXED PER MFG. DIRECTIONS.

WOOD STRUCTURAL NOTES

- (1) ALL WOOD TO BE SPECIES, GROUP, AND GRADE AS NOTED BELOW. DAMAGED WOOD NOT TO BE USED.
- (2) ALL STRUCTURAL LUMBER SHALL BE SPF (SPRUCE-PINE-FIR) #2 OR BETTER U.N.O. (PRE ENG. TRUSSES EXCLUDED)
- (3) END JOINT IN STRUCTURAL DOUBLE TOP PLATE TO BE OFFSET AT LEAST 48". STRUCTURAL DBL. PLATES TO BE NAILED @ 6" O.C.
- (4) PLYWOOD OR OSB. WALL SHEATHING NAIL PATTERN TO BE 10d @ 6" O.C. UNLESS OTHERWISE NOTED.
- (5) NUMBER OF HEADER STUDS AND ADJACENT FULL LENGTH STUDS PER WALL AND HEADER STUD REQUIREMENT SCHEDULE.
- (6) MAX. 1" HOLE DRILLED INTO EXTERIOR STRUCTURAL STUDS.
- (7) DBL. STUDS @ EA. END OF SHEAR WALL.
- (8) WHEN ANCHORING MULTIPLE WD. ITEMS TOGETHER, THE LENGTH OF HURRICANE STRAP MUST BE CENTERED.
- (9) NAIL PATTERN - DOUBLE PLATE 12" O.C., OUTSIDE SPLICE ZONE (SEE NOTE 4)
 - DOUBLE STUDS @ 12" O.C.
 - DOUBLE OR TRIPLE HEADER @ 6" O.C. @ EDGE @ 12" O.C. INTERMEDIATE.
 - HEADER TO STUD @ 4" O.C. EA. HDR. MEMBER
 - STUD TO TOP OR BOTTOM PLATE : (2) 16d THRU PLY. OR (2) 16d EA. SIDE TO BE NAILED TO PLT.
- (10) ROOF SHEATHING TO BE MIN. 15/32 PLYWOOD OR 1/16" OSB. NAILED TO ROOF TRUSSES SPACED @ 24" O.C. (MAX) WITHOUT BLOCKING PER IBC TABLE R4403.9.2.3.
- (11) FLOOR SHEATHING TO BE MIN. 23/32" PLYWOOD NAILED @ 6" O.C. W/ 8" RING SHANK NAILS AND LIQUID NAIL ADHESIVE.
- (12) WALL SHEATHING TO BE MIN. 15/32 PLYWOOD OR 1/16" OSB. PER NAILING SCHEDULE.
- (13) ALL FLOOR TRUSSES TO BE END BLOCKED @ BEARING LOCATIONS
- (14) TRUSS BRACING PER TRUSS MANUFACTURE'S DRAWINGS.
- (15) ALL NAILING SPECIFIED TO BE APPLIED BY NAIL GUN OR MANUALLY
- (16) ALL WOOD IN DIRECT CONTACT WITH MASONRY SHALL BE PRESSURE TREATED.

FIELD REPAIR NOTES

- (1) MISSED J-BOLTS FOR FRAMED EXTERIOR/ BEARING WALLS MAY BE SUBSTITUTED W/ 1/2" DIA. x 1" L WEDGE ANCHORS (REDHEADS).
- (2) MISSED FOOTING DOWELS MAY BE SUBSTITUTED W/ A STRAIGHT #5 REBAR SET IN A 3/4" DIA. x 6" DEEP HOLE FILLED W/ UNITEX PROPOXY 300 OR SIMPSON SET OR ETF ADHESIVES.
- (3) PENETRATION OF PLUMBING PIPES/DRYER VENTS THRU PLATES OF A LOAD BEARING WALL MAY OCCUR PROVIDED DBL. STUDS ARE ADDED ON EITHER SIDE OF PENETRATION WITHIN 3" AND TRUSS/FLOOR TRUSS IS NO CLOSER THAN 3" FROM PENETRATION. ADD (1) MTS12 @ TOP AND BOTTOM PLATE

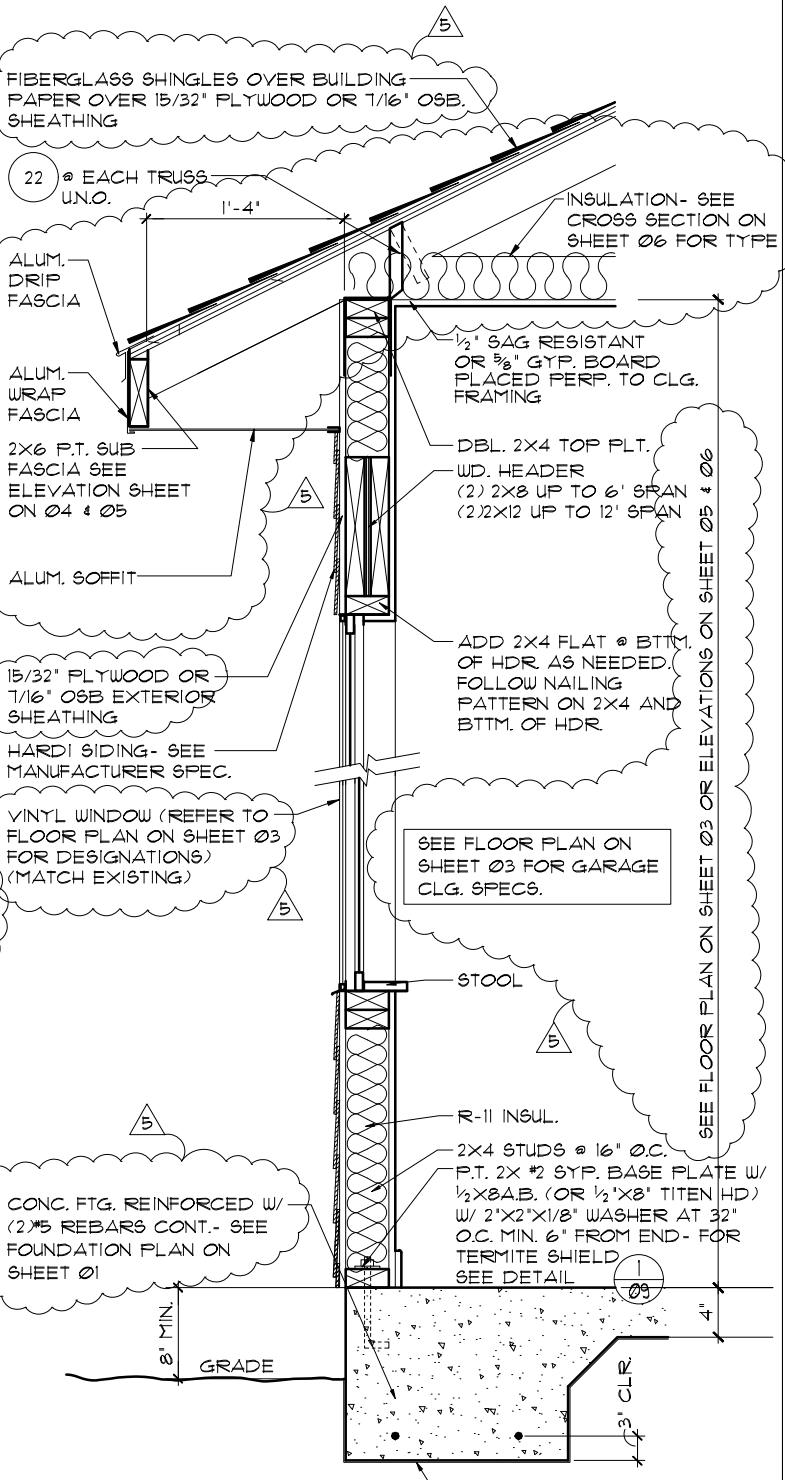


ROOF NAILING PATTERN	
ZONE:	8d NAILS @ 6" O.C. EDGES AND 12" O.C. FIELD
ZONE:	8d NAILS @ 6" O.C. EDGES AND 12" O.C. FIELD
ZONE:	8d NAILS @ 4" O.C. EDGES AND 6" O.C. FIELD

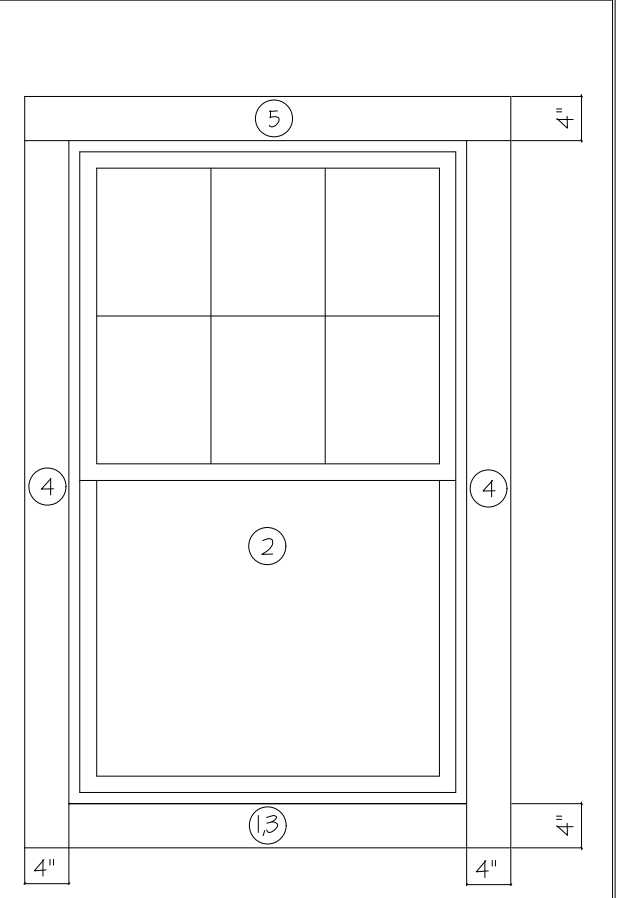
MIN. WALL AND HEADER REQUIREMENTS

UNSUPPORTED WALL HEIGHT	STUD SPACING	MAXIMUM HEADER SPAN (ft.)					
		3'	6'	9'	12'	15'	18'
10' OR LESS		NUMBER OF HEADER STUDS SUPPORTING END OF HEADER					
		1	1	2	2	2	2
GREATER THAN 10'		NUMBER OF FULL-LENGTH STUDS @ EACH END OF HEADER					
		2	2	3	3	3	3
		2	2	3	4	5	5

NOTE: THE ATTACHMENT OF ASPHALT SHINGLES, UNLESS OTHERWISE NOTED, SHALL CONFORM TO ASTM D 3161 (MODIFIED TO 120 MPH) OR M-DC PA 107-95.



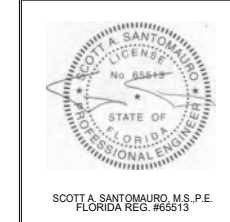
TYPICAL WALL SECTION W/ MONOLITHIC FOOTING
3/4" = 1'-0" (11X17) 1/2" = 1'-0" (22X34)



1. THROUGHOUT INSTALLATION, KEEP THE WINDOW JAMBS PLUMB AND SQUARE. KEEP HEAD AND SILL LEVEL AND SQUARE. MAKE SURE HEAD AND SILL ARE NOT CROWNED UP OR DOWN.
 2. CONSTANTLY CHECK WIDTH AT MEETING RAILS (i.e. DOUBLE HUNG) TO AVOID "BOWED OUT" INSTALLATION.
 3. APPLY GENEROUS BEAD OF CAULK ALONG INTERIOR SURFACE OF NAILING FIN ON ALL SIDES PRIOR TO SETTING WINDOW INTO OPENING.
 4. PLACE 1/4" SHIMS AT SILL CORNERS AND SET WINDOW INTO SHIMS. CENTER THE WINDOW IN THE OPENING ALLOWING A 1/4" GAP BETWEEN WINDOW AND FRAMING MATERIAL ON EACH SIDE. WHEN INSTALLATION IS COMPLETE, THESE SHIMS MAY BE REMOVED.
 5. INSTALL FASTENERS (STRAIGHT, NOT ANGLED) IN EVERY OTHER FASTENER SLOT STARTING AT THE MIDDLE OF THE WINDOW. FASTENER MUST BE EMBEDDED INTO SOLID WOOD A MINIMUM OF 1". KEEP WINDOW LOCKED UNTIL ALL SIDES ARE SECURED.
 6. CAULK OVER FASTENERS AND ANY FASTENER SLOTS NOT USED.
 7. CAULK OUTSIDE PERIMETER OF INSTALLED WINDOW.
 8. INSULATE AROUND PERIMETER WITH BATT TYPE INSULATION. DO NOT USE EXPANDABLE FOAM. THE USE OF EXPANDABLE FOAM WILL VOID WARRANTY.
 9. FOR ANY INSTALLATION FINISHED WITH BRICK OR STONE, ALLOW 1/4" GAP AT SILL BETWEEN STRUCTURE AND WINDOW. THEN, CAULK THIS GAP.
 10. CAULK GAP BETWEEN INSTALLED WINDOW EXTERIOR PERIMETER AND J-CHANNEL (OR BRICK OR OTHER EXTERIOR FINISHING MATERIAL WHICH SURROUNDS WINDOW).
- NOTE:
SELF-ADHESIVE TYPE FLASHING IS A GENERIC TERM. SEE SPECIFICATIONS FOR MATERIAL TO BE USED.

IMPORTANT:
IT IS THE RESPONSIBILITY OF THE OWNER OR BUILDER TO SELECT PRODUCTS IN COMPLIANCE WITH APPLICABLE LAWS AND BUILDING CODES. DO NOT USE MURIATIC ACID ON HOMES AFTER INSTALLING THIS WINDOW. THE ACID MAY DESTROY THE COIL SPRING BALANCE SYSTEM. WINDOWS WILL NOT BE UNDER WARRANTY IF EXPOSED TO MURIATIC ACID. DO NOT LAY WINDOWS FLAT OR STORE IN SUN BEFORE INSTALLING. ALL WARRANTIES NULL AND VOID IF ANY VERTICAL HOLES ARE PUT INTO WINDOW SILL AREA OF ANY WINDOW.

WINDOW FLASHING DETAIL
1/1" = N.T.S.



REVISIONS BY
09-03-20 DAL
Engineering By:
RDC, INC.
CA#27371
PHONE 321.251.6006
3682 AVALON PARK E. BLVD.
SUITE 2072
ORLANDO, FL 32828
4301 VINELAND RD. SUITE E1
ORLANDO FL 32811
407-930-1111

TYPICAL DETAILS
GENERAL NOTES / DETAILS

Habitat for Humanity
Greater Orlando & Osceola County

STANDARD DETAILS
HABITAT
DATE 10-16-18
SCALE AS NOTED
DRAWN RDC
JOB
SHEET D1
OF 13 SHEETS

THIS STRUCTURE IS DESIGNED TO WITHSTAND 140 MPH WINDS PER THE FLORIDA RESIDENTIAL CODE 2011 6TH EDITION

EXPOSURE B

© COPYRIGHT 2018 RDC, INC. hereby reserves its common law copyrights and other copyrights in these plans, ideas, and design. These plans, ideas and designs are not to be copied or changed in any manner or form whatsoever, nor are they to be assigned to any third party without first obtaining the express written permission from RDC, INC.