

EXTERIOR ELEVATIONS

THE FOLLOWING DISCIPLINES ARE TO BE FIELD REVIEWED AND/OR FIELD INSPECTED FOR CODE COMPLIANCE
ELECTRICAL MECHANICAL PLUMBING

Reviewed for Code Compliance
By: Glenn Cribbitt
RESMSTR2021-00178

DESIGN PARAMETERS:

APPLICABLE CODES:
BUILDING CODE = (11TH EDITION) OF THE 2020 FLORIDA RESIDENTIAL BUILDING CODE BUILDING 2020
MECHANICAL CODE = (11TH EDITION) OF THE 2020 FLORIDA RESIDENTIAL BUILDING CODE, MECHANICAL 2020
PLUMBING CODE = (11TH EDITION) OF THE 2020 FLORIDA RESIDENTIAL BUILDING CODE, PLUMBING 2020
ELECTRICAL CODE = NEC 2017
FLORIDA FIRE PREVENTION CODE = 11TH EDITION
LIFE SAFETY CODE = NFPA 101
ACCESSIBILITY CODE = (11TH EDITION) OF THE 2020 FLORIDA RESIDENTIAL BUILDING CODE, BUILDING 2020
ENERGY CODE = (11TH EDITION) OF THE 2020 FLORIDA RESIDENTIAL BUILDING CODE, BUILDING 2020

METHOD OF DESIGN:
DESIGNED PURSUANT TO (11TH EDITION) OF THE 2020 FLORIDA RESIDENTIAL BUILDING CODE, BUILDING 2020, CHAPTER 3 AND SECTION 1604 OF THE (11TH EDITION) OF THE 2020 FLORIDA BUILDING CODE = 124

BASIC WIND SPEED:
 160 MPH (ULTIMATE DESIGN) = 124 MPH (NOMINAL DESIGN)
 150 MPH (ULTIMATE DESIGN) = 116 MPH (NOMINAL DESIGN)

IMPORTANCE FACTOR COMPONENTS AND CLADDING:
 0.11 (RISK CATEGORY I) 1.15 (RISK CATEGORY III)
 1.00 (RISK CATEGORY II) 1.15 (RISK CATEGORY IV)

BUILDING OCCUPANCY CLASSIFICATION:
 GROUP A - ASSEMBLY GROUP H - HAZARDOUS
 GROUP B - BUSINESS GROUP I - INSTITUTIONAL
 GROUP D - DAY CARE CENTER GROUP M - MERCANTILE
 GROUP E - EDUCATIONAL GROUP R - RESIDENTIAL
 GROUP F - FACTORY INDUSTRIAL GROUP S - STORAGE

BUILDING CONSTRUCTION TYPE:
 TYPE I TYPE IV
 TYPE II TYPE V

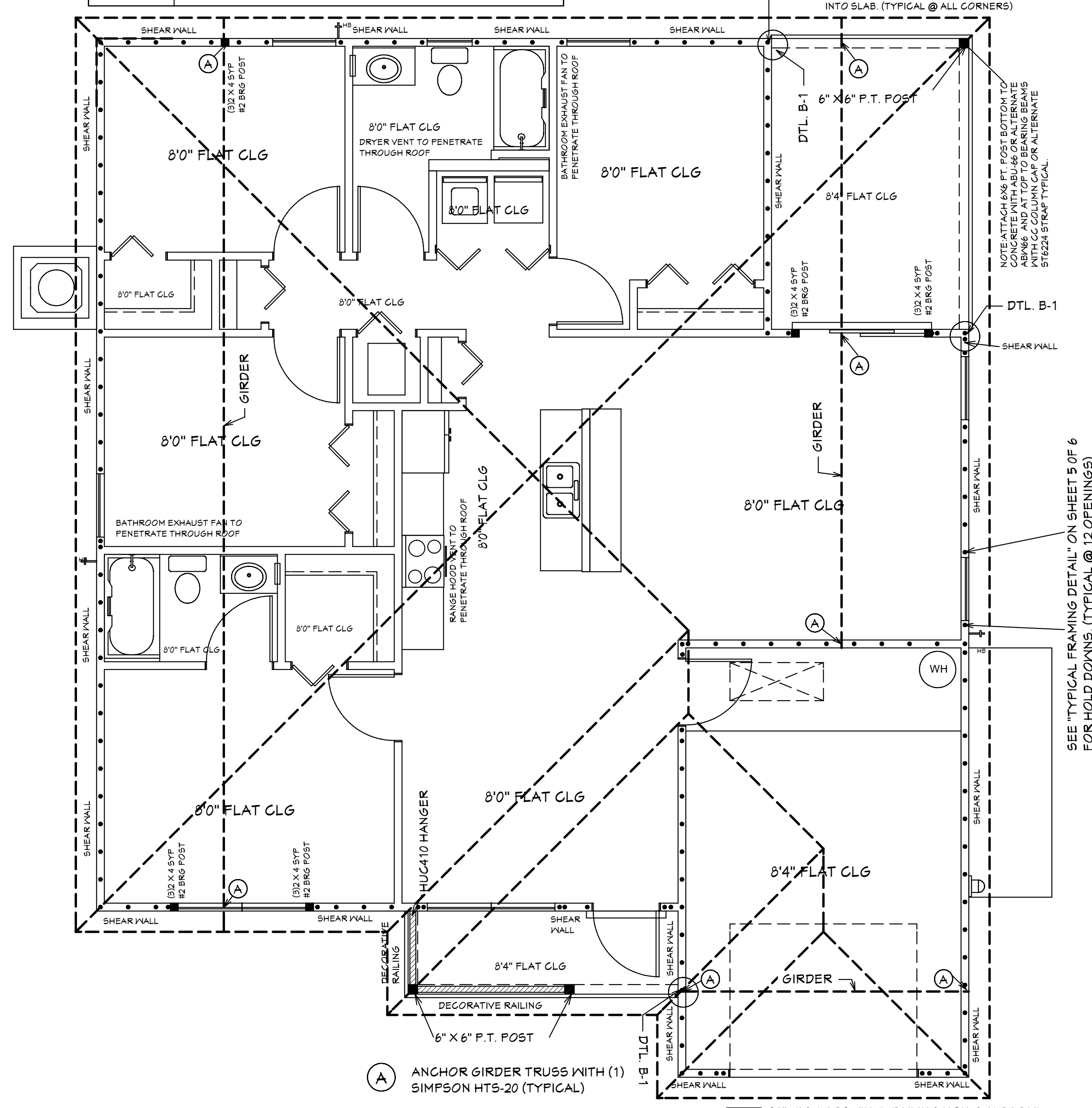
EXPOSURE CATEGORY:
 A C
 B D

WINDBORNE DEBRIS REGION:
 NO
 YES
 IMPACT RESISTANT GLAZING
 IMPACT RESISTANT COVERING
 COMBINATION OF IMPACT RESISTANT GLAZING & COVERING

INTERNAL PRESSURE COEFFICIENTS:
 0.00 (OPEN)
 +0.18, -0.18 (ENCLOSED)
 +0.55, -0.55 (PARTIALLY ENCLOSED)

DESIGN SOIL BEARING VALUE OF LOAD 2000 PSF

SHEET #	PLAN SCHEDULE
1 OF 7	EXTERIOR ELEVATIONS, ROOF PLANE PLAN, SECTIONS
2 OF 7	FOUNDATION PLAN, WALL SECTION, AND SECTIONS
3 OF 7	DIMENSIONAL FLOOR PLAN, SOFFIT DETAIL AND SECTIONS
4 OF 7	NOTED FLOOR PLAN, SCHEDULES, AND SECTIONS
5 OF 7	ELECTRICAL PLAN, ELECTRICAL SCHEDULE AND SECTIONS
6 OF 7	ENGINEERING NOTES AND SECTIONS
7 OF 7	FLASHING DETAILS, SECTIONS
1A OF 7	ALTERNATE EXTERIOR ELEVATIONS, ROOF PLANE PLAN, SECTIONS
SH-1 OF SH-1	SHOP DRAWINGS



NOTE: ALL EXTERIOR WALLS ARE 3 1/2" WIDE WOOD WALLS WITH 1/2" PLYWOOD EXTERIOR AND 1/2" DRYWALL INSIDE (4 1/2" TOTAL), UNLESS NOTED DIFFERENT.
NOTE: ALL INTERIOR WALLS ARE 4 1/2" AND 6 1/2" WIDE WOOD WALLS. UNLESS NOTED DIFFERENT.

NOTE: ATTACH 6X6 PT. POST BOTTOM TO CONCRETE WITH ABU-66 OR ALTERNATE ABOVE AND AT TOP TO BEARING BEAMS WITH CC COLUMN CAP OR ALTERNATE ST6224 STRAP TYPICAL

36" HIGH DEC VINYL RAILING NON GUARDRAIL OPENING WILL RESIST 4" SPHERE. ATTACH PER MANUFACTURER SPECIFICATIONS.

5/12 PITCH ROOF
2X4 TOP CHORD
10 1/2" CANT PLUMB OVERHANG
TRUSS BEARING AT 8'0" ELEV. A.F.F. TYPICAL
160 MPH WIND LOAD
40 LBS LOADING/ASPHALT SHINGLES

ROOF PLANE PLAN

GENERAL NOTES
1. CONTRACTOR TO VERIFY ALL DIMENSIONS PRIOR TO START OF CONSTRUCTION. DIMENSIONS TAKE PRECEDENCE OVER SCALED DIMENSIONS.
2. MASONRY OPENING DIMENSIONS FOR ALL MASONRY GLIDING DOORS & ENTRY DOORS AS SHOWN ON THESE PLANS WITH THE DOOR AND WINDOW MANUFACTURER PRIOR TO CONSTRUCTION.
3. IT IS THE CONTRACTORS RESPONSIBILITY TO CHECK THESE PLANS FOR DIMENSIONAL ERRORS AND/OR OMISSIONS EXIST IN THE DRAWINGS OR SPECIFICATIONS. THE CONTRACTOR SHALL NOTIFY HICKS DRAFTING & DESIGN IN WRITING 10 DAYS OF RECEIPT OF PLANS AND PRIOR TO ANY CONSTRUCTION OR CONTRACTOR ASSUMES ALL THE RESPONSIBILITY FOR THE RESULTS AND ALL THE COSTS OF RECTIFYING THE SAME.
4. HICKS DRAFTING & DESIGN DOES NOT ASSUME ANY RESPONSIBILITY FOR SUPERVISION OF CONSTRUCTION. CONTRACTOR TO ADHERE STRICTLY TO THE (11TH EDITION) OF THE 2020 FLORIDA RESIDENTIAL BUILDING CODE, CHAPTER 3, AND SECTION 1604 OF THE (11TH EDITION) OF THE 2020 FLORIDA BUILDING CODE TOGETHER WITH LOCAL AMENDMENTS, AND ALL OTHER APPLICABLE STATE, COUNTY, AND LOCAL STATUTES, ORDINANCES, REGULATIONS, AND RULES.

NOTE: MASTER PLANS FEMA FLOOD ZONES CONSTRUCTION NEW CONSTRUCTION OF ANY RESIDENTIAL STRUCTURE SHALL HAVE THE LOWEST FLOOR OR CONCRETE SLAB, INCLUDING GARAGE OR BASEMENT AND A/C UNIT AND ALL EQUIPMENT, ELEVATED TO FINISH FLOOR ELEV. OR ABOVE THE BASE FLOOD ELEVATION PLUS 1 FOOT. THIS SHALL APPLY TO HOUSES OR MANUFACTURED HOMES THAT ARE TO BE FLAGED OR SUBSTANTIALLY IMPROVED ON SITES IN A NEW MANUFACTURED HOME PARK OR SUBDIVISION LCD CHAPTER 6, ARTICLE IV FLOOD HAZARD REDUCTION.

THIS RESIDENCE MAY NOT BE BUILT WITHIN 8'0" OF ANOTHER STRUCTURE OR 5'0" FROM ANY PROPERTY LINE PER SECTION R302.1(1) (INCLUDING OVERHANGS)

COMPLIANCE STATEMENT: DESIGNED BY A REGISTERED PROFESSIONAL ENGINEER AND THE DESIGN PARAMETERS FOR THE (11TH EDITION) OF THE 2020 FLORIDA RESIDENTIAL BUILDING CODE, CHAPTER 3, AND SECTION 1604 OF THE (11TH EDITION) OF THE 2020 FLORIDA BUILDING CODE TOGETHER WITH LOCAL AMENDMENTS, AND ALL OTHER APPLICABLE STATE, COUNTY, AND LOCAL STATUTES, ORDINANCES, REGULATIONS, AND RULES.

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Certificate of Authorization Number: 9445

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Engineers, Planners, & Development Consultants
4301 Veronica Shoemaker Blvd. Fort Myers, FL 33916 (239) 936-4444

REVISIONS:

05-10-2021
05-25-2021

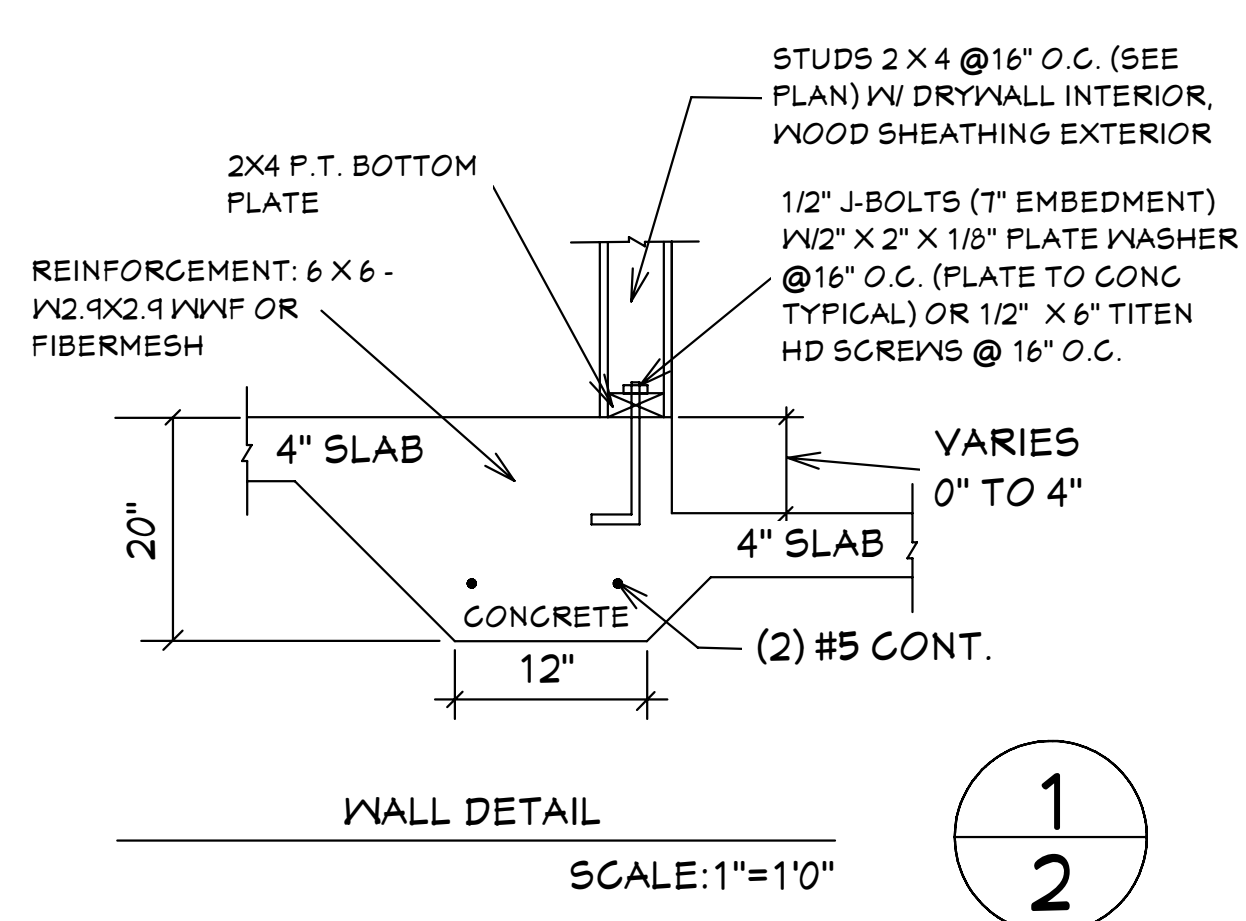
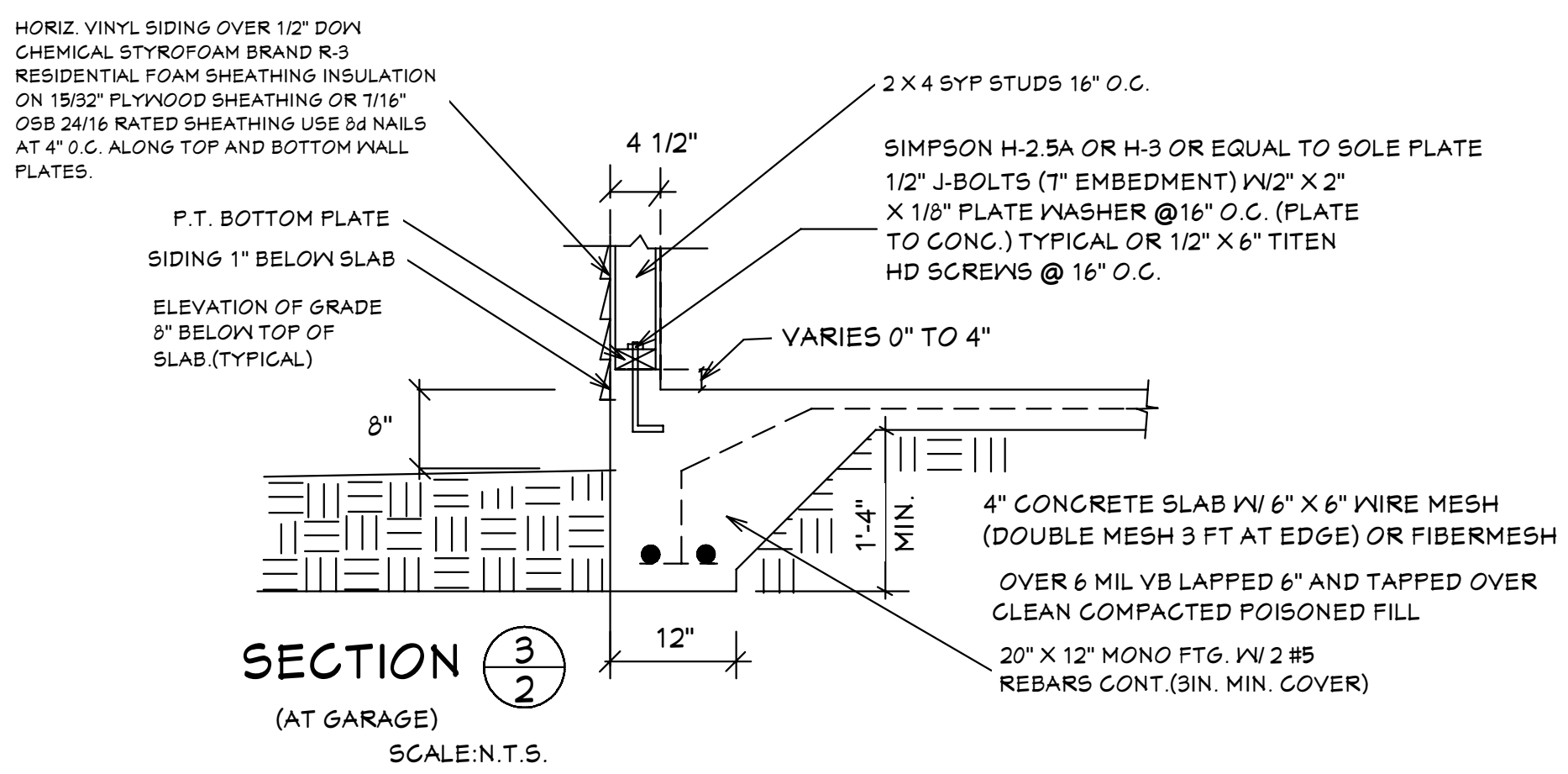
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603 MAPLE AVENUE N
LEHIGH ACRES, FL 33472
CELL: (239) 462-2734
E-MAIL: DHICKS928@AOL.COM

BUILDER: HABITAT FOR HUMANITY
4 BEDROOM 2 BATH HOME /160 MPH WIND LOADING
NEW HOUSE FOR:
LOT: /BLOCK- /UNIT- /SECTION-
TOWNSHIP: SOUTH/RANGE- EAST
STRAFF#
ADDRESS:
ADDRESS:

DRAWN BY
DAVID HICKS
DATE: 03-29-2021
SCALE: 1/4"=1'0"
JOB # 2021-053

SHEET
1 OF 7

MASTER PLAN
SUGAR PALM 2 4/21 MODEL / RIGHT HAND GARAGE / MONO FOOTER / 2020 CODE / 10 1/2" CANT
05-25-2021 REVISIONS



GENERAL NOTES

- CONTRACTOR TO VERIFY ALL DIMENSIONS PRIOR TO START OF CONSTRUCTION. DIMENSIONS TAKE PRECEDENCE OVER SCALED DIMENSIONS.
- MASONRY CONTRACTOR TO VERIFY ALL MASONRY OPENING DIMENSIONS FOR ALL WINDOWS, SLIDING GLASS DOORS, & ENTRY DOORS AS SHOWN ON THESE PLANS WITH THE DOOR AND WINDOW MANUFACTURER PRIOR TO CONSTRUCTION.
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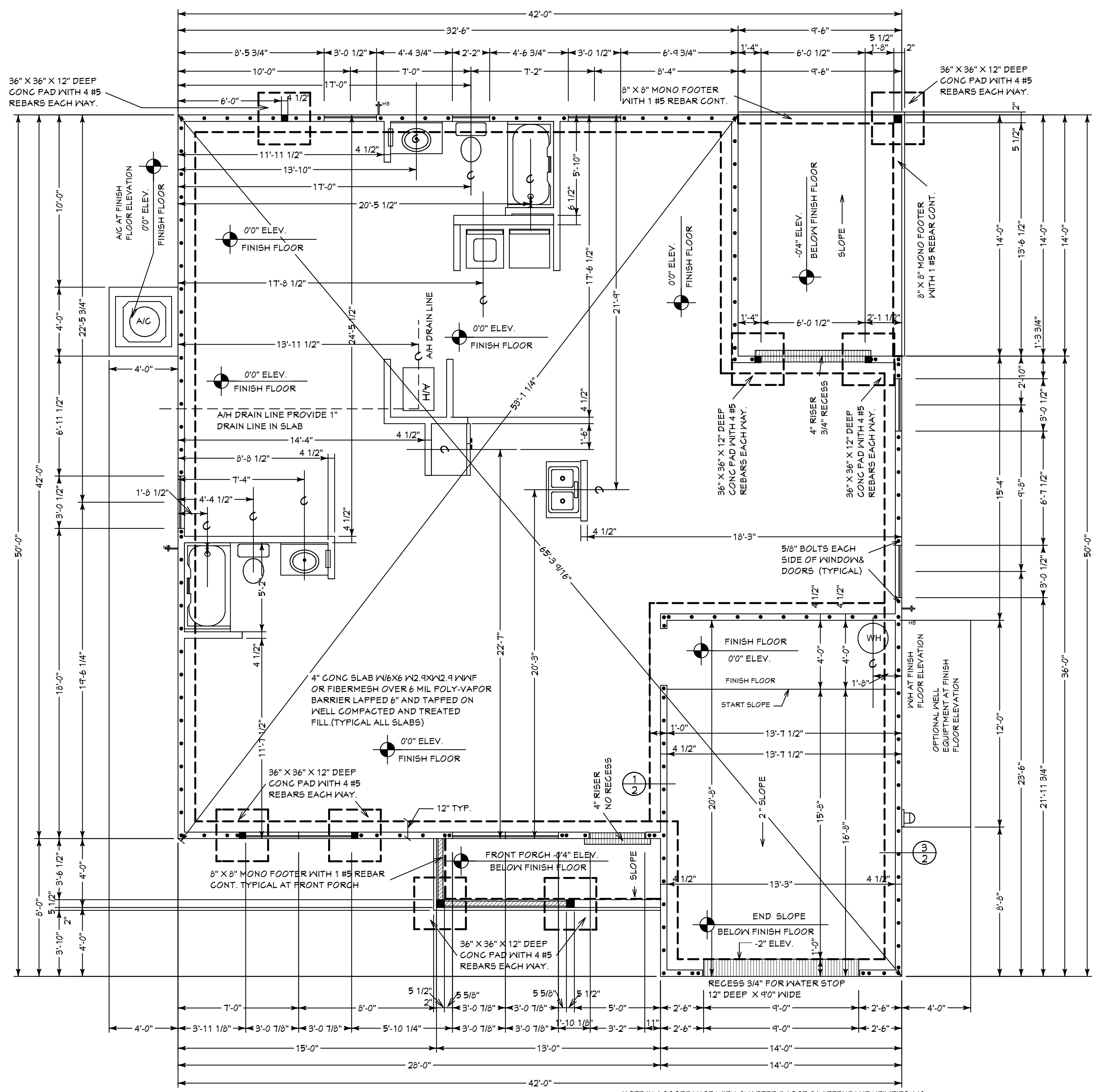
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REVISIONS:

05-10-2021
05-25-2021

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 CELL: (239) 462-2734
 E-MAIL: DHICKS928@AOL.COM



ALLOW FOR ELECTRICAL IN SLAB AS REQ BY OWNER OR BUILDER. ELECTRICAL CONTRACTOR TO VERIFY NEEDS WITH CONTRACTOR PRIOR TO START OF CONSTRUCTION.

CONTRACTOR IS RESPONSIBLE FOR VERIFYING ROUGH OPENING AND SIZES OF ALL DOORS AND WINDOWS BEFORE STARTING CONSTRUCTION.

PROVIDE 1\"/>

UNDERLAYMENT MUST MEET REQUIREMENTS OF R905.1.1.1

Option #1 a self-adhering polymer-modified bitumen underlayment complying with ASTM D1470 applied over the entire roof.

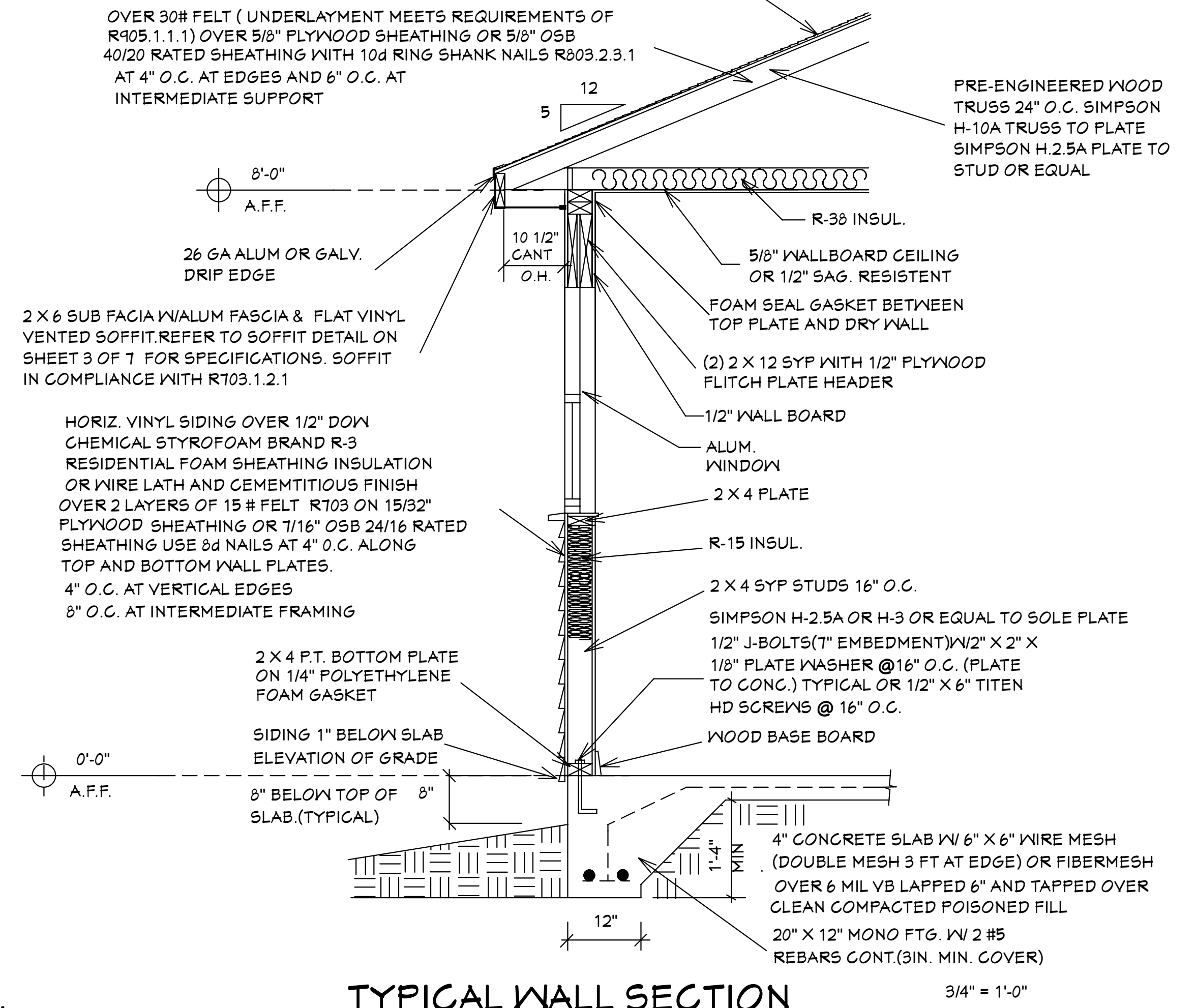
Option #2 a minimum 4-inch wide strip of self-adhering polymer-modified bitumen complying with ASTM D1470 or a minimum 3/4-inch wide strip of self-adhering flexible flashing tape complying with AAMA T11, applied over all joints in the roof decking. A felt underlayment complying with ASTM D226 Type II, ASTM D4869 Type III or IV, or ASTM D6757, or a synthetic underlayment meeting the performance requirements specified, is required to be applied over the strips/tape over the entire roof. (See Table 1507.1.1.1 of the FBCB or Table R905.1.1.1 of the FBCR for fastener type and spacing).

Option #3 two layers of felt underlayment comply ASTM D226 Type II or ASTM D4869 Type III or IV, or two layers of a synthetic underlayment meeting the performance requirements specified.

where felt underlayment is used, it must be 30# or equivalent (ASTM D 226 Type II, ASTM D4869 Types III or IV)

R905.2 ASPHALT SHINGLES SHALL HAVE SELF SEAL STRIPS OR BE INTERLOCKING AND COMPLY WITH ASTM D-225 OR ASTM D-3462 AND SHINGLES NEED TO BE CLASSIFIED AS (H) OR (F) TABLE 1507.2 & TABLE R905.2.6.1

OVER 30# FELT (UNDERLAYMENT MEETS REQUIREMENTS OF R905.1.1.1) OVER 5/8\"/>



SUGAR PALM 2 4/21 MODEL / RIGHT HAND GARAGE / MONO FOOTER / 2020 CODE / 10 1/2\"/>

BUILDER: HABITAT FOR HUMANITY
 4 BEDROOM 2 BATH HOME /160 MPH WIND LOADING

NEW HOUSE FOR:
 LOT: /BLOCK: /UNIT: /SECTION-
 TOWNSHIP: SOUTH/RANGE: EAST
 STRAP#:
 ADDRESS:
 ADDRESS:

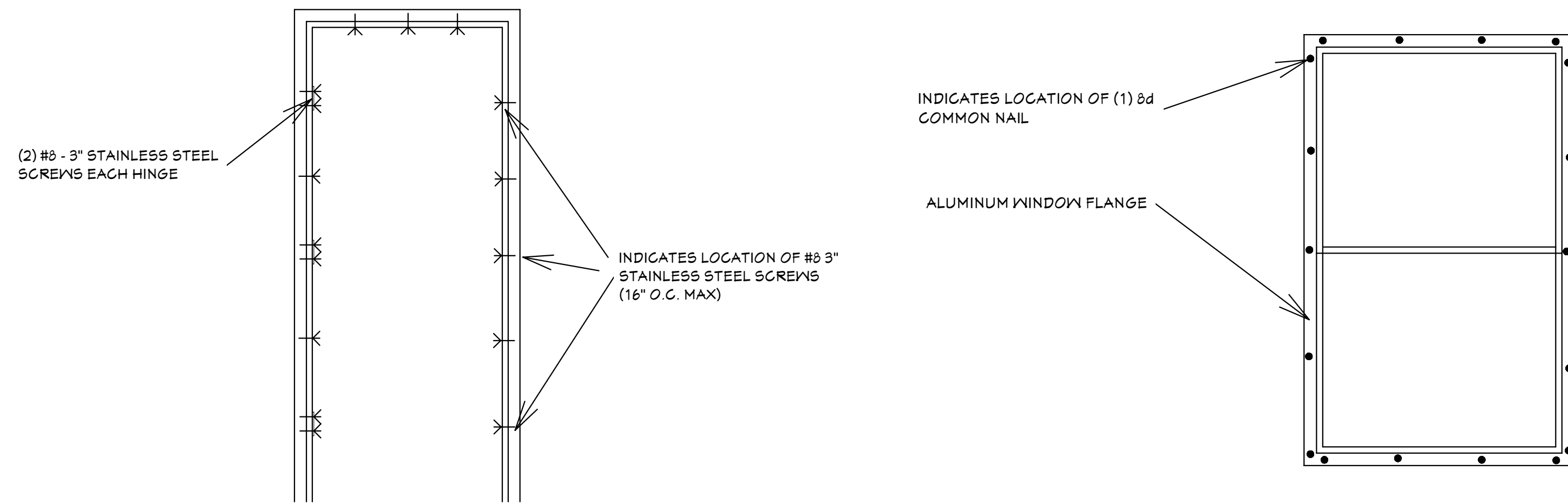
DRAWN BY
 DAVID HICKS

DATE: 03-29-2021

SCALE: 1/4"=1'0"

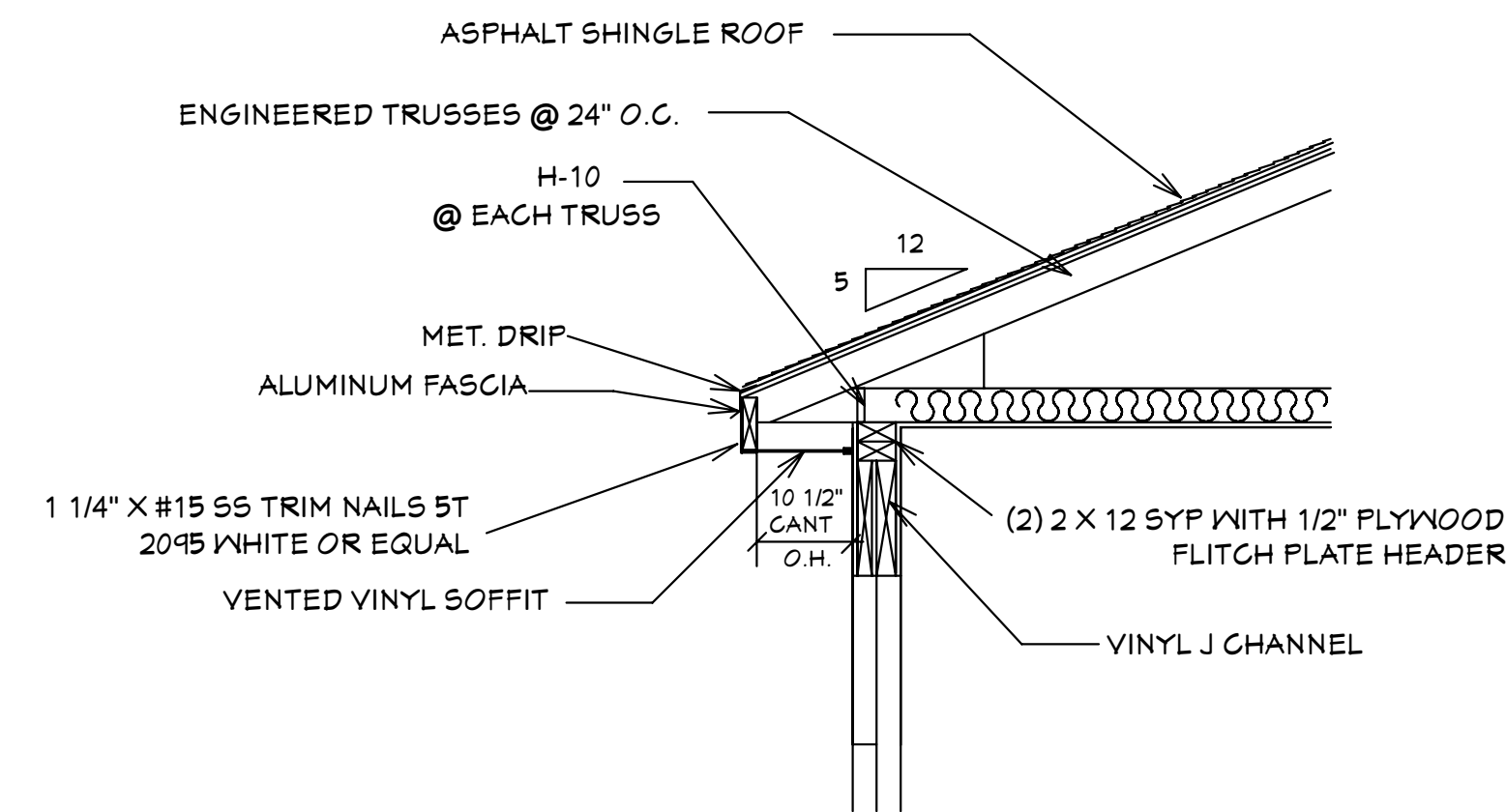
JOB # 2021-053

SHEET
 2 OF 7



TYPICAL DOOR INSTALLATION DETAIL

TYPICAL WINDOW INSTALLATION DETAIL



SOFFIT DETAIL R703.1.2.1
SCALE: N.T.S.

GENERAL NOTES

- CONTRACTOR TO VERIFY ALL DIMENSIONS PRIOR TO START OF CONSTRUCTION. DIMENSIONS TAKE PRECEDENCE OVER SCALED DIMENSIONS.
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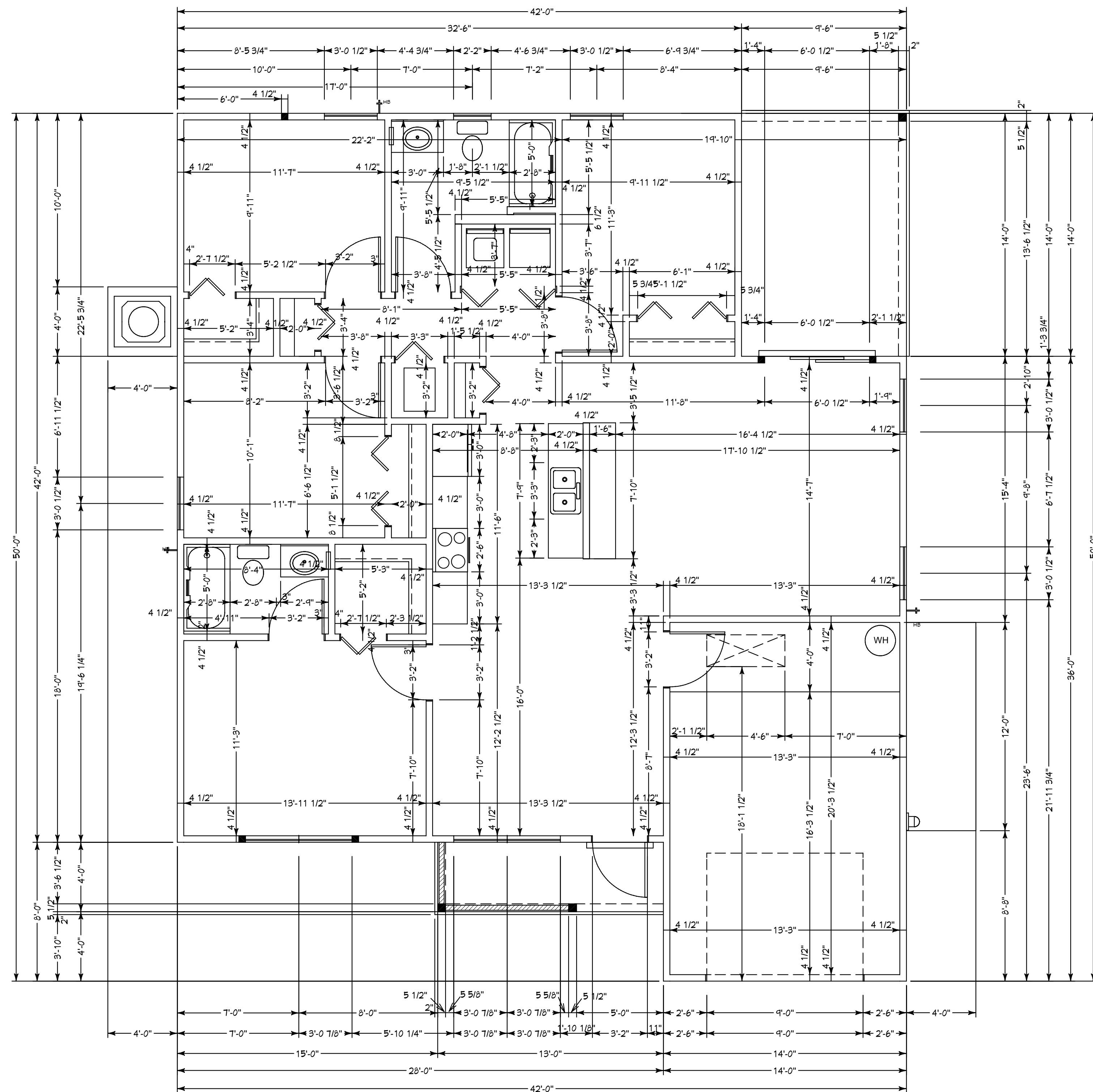
THIS RESIDENCE MAY NOT BE BUILT WITHIN 60' OF ANOTHER STRUCTURE OR 50' FROM ANY PROPERTY LINE PER SECTION R302.1(1) (INCLUDING OVERHANGS)

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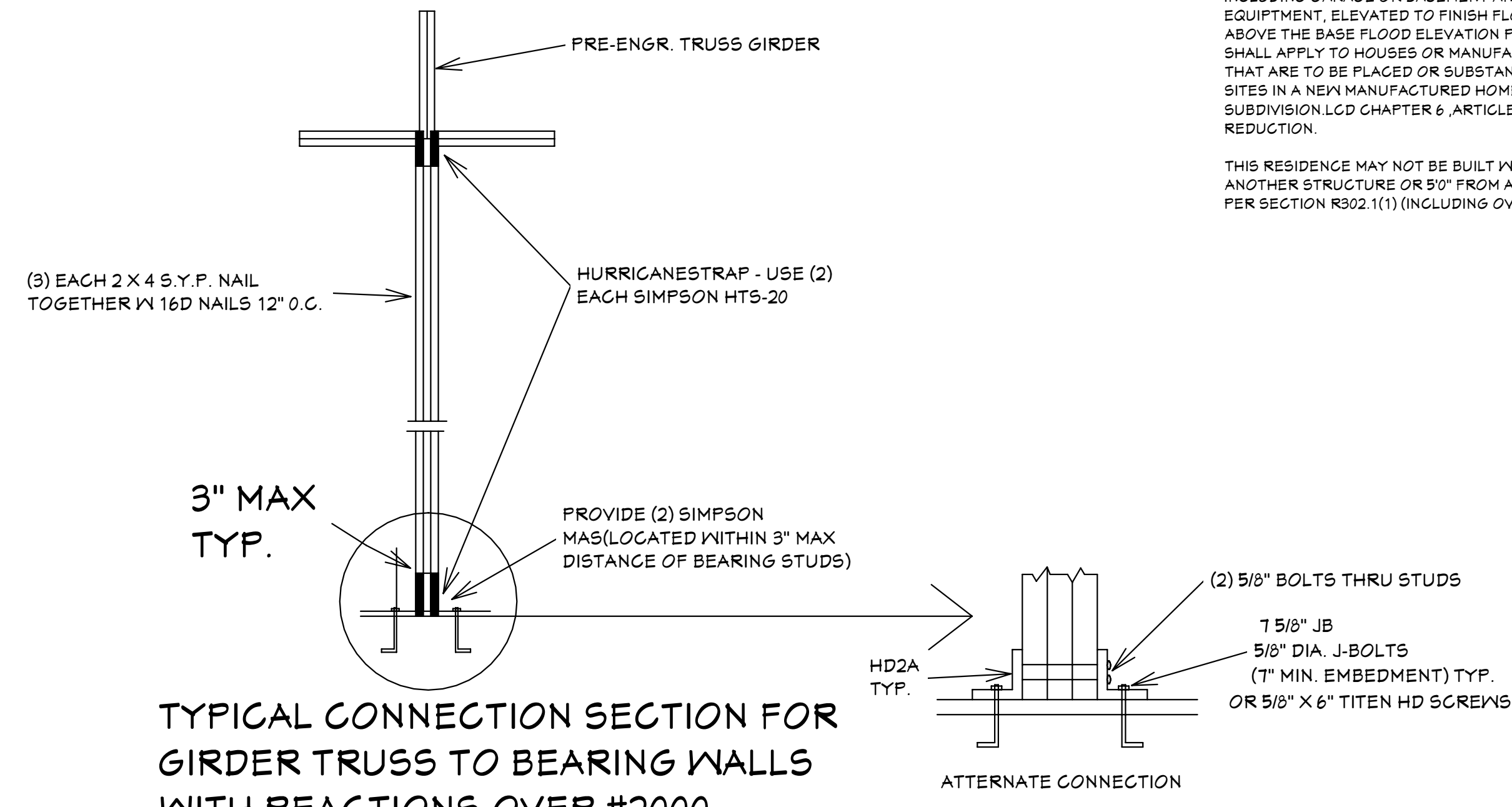
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REVISIONS:

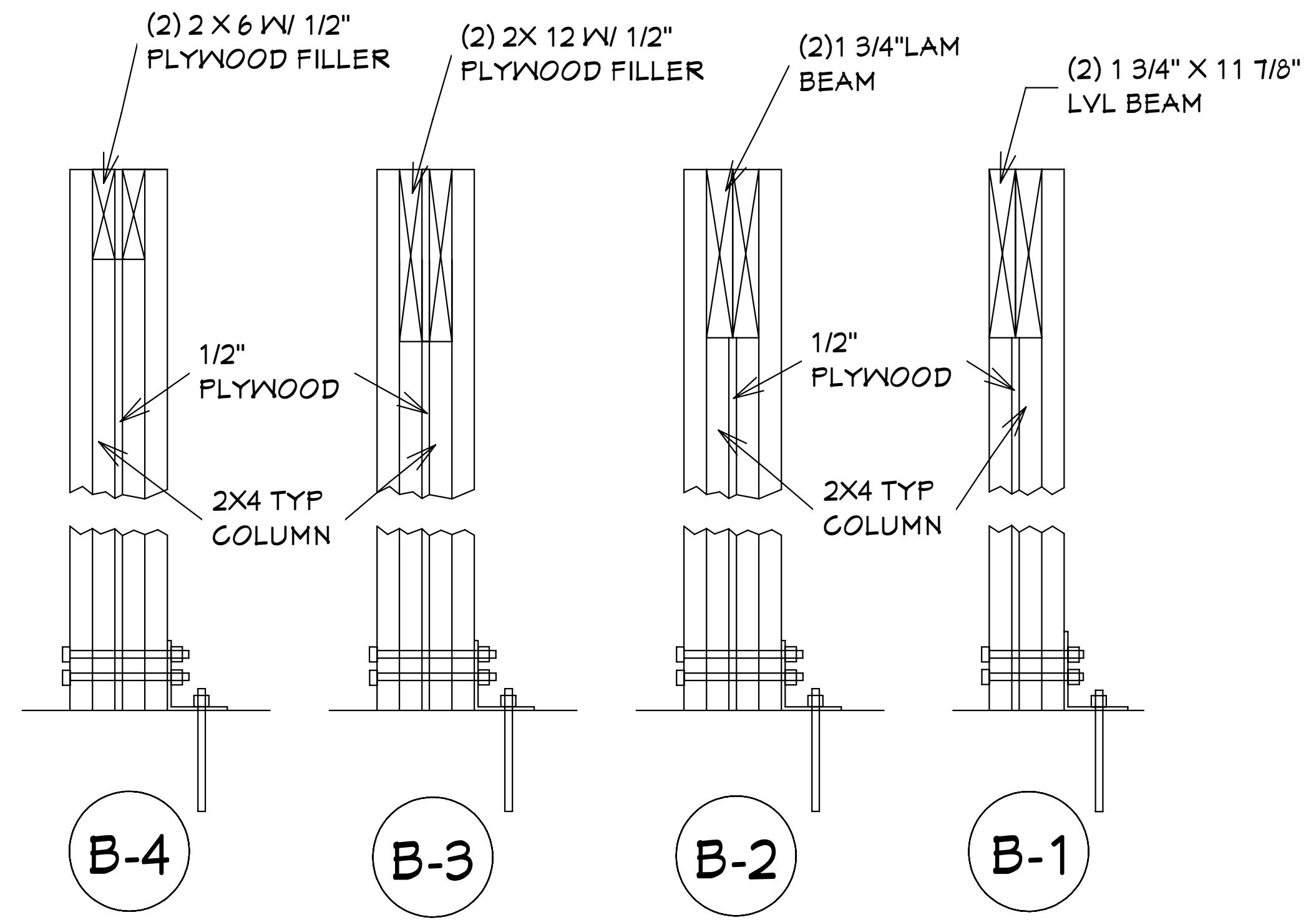
05-10-2021
05-25-2021



DIMENSIONAL FLOOR PLAN



TYPICAL CONNECTION SECTION FOR GIRDER TRUSS TO BEARING WALLS WITH REACTIONS OVER #2000
SCALE: 1/2" = 1'0"



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

Reviewed for Code Compliance by: Glenn Cribbitt Date: 06/17/21 RESMSTR2021-00178

SUGAR PALM 2 4/21 MODEL / RIGHT HAND GARAGE / MONO FOOTER / 2020 CODE / 10 1/2" CANT

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BUILDER: HABITAT FOR HUMANITY
 4 BEDROOM 2 BATH HOME / 160 MPH WIND LOADING

NEW HOUSE FOR:
 LOT: /BLOCK- /UNIT- /SECTION-
 TOWNSHIP- SOUTH/RANGE- EAST
 STRAP#
 ADDRESS:
 ADDRESS:

DRAWN BY
 DAVID HICKS

DATE: 03-29-2021

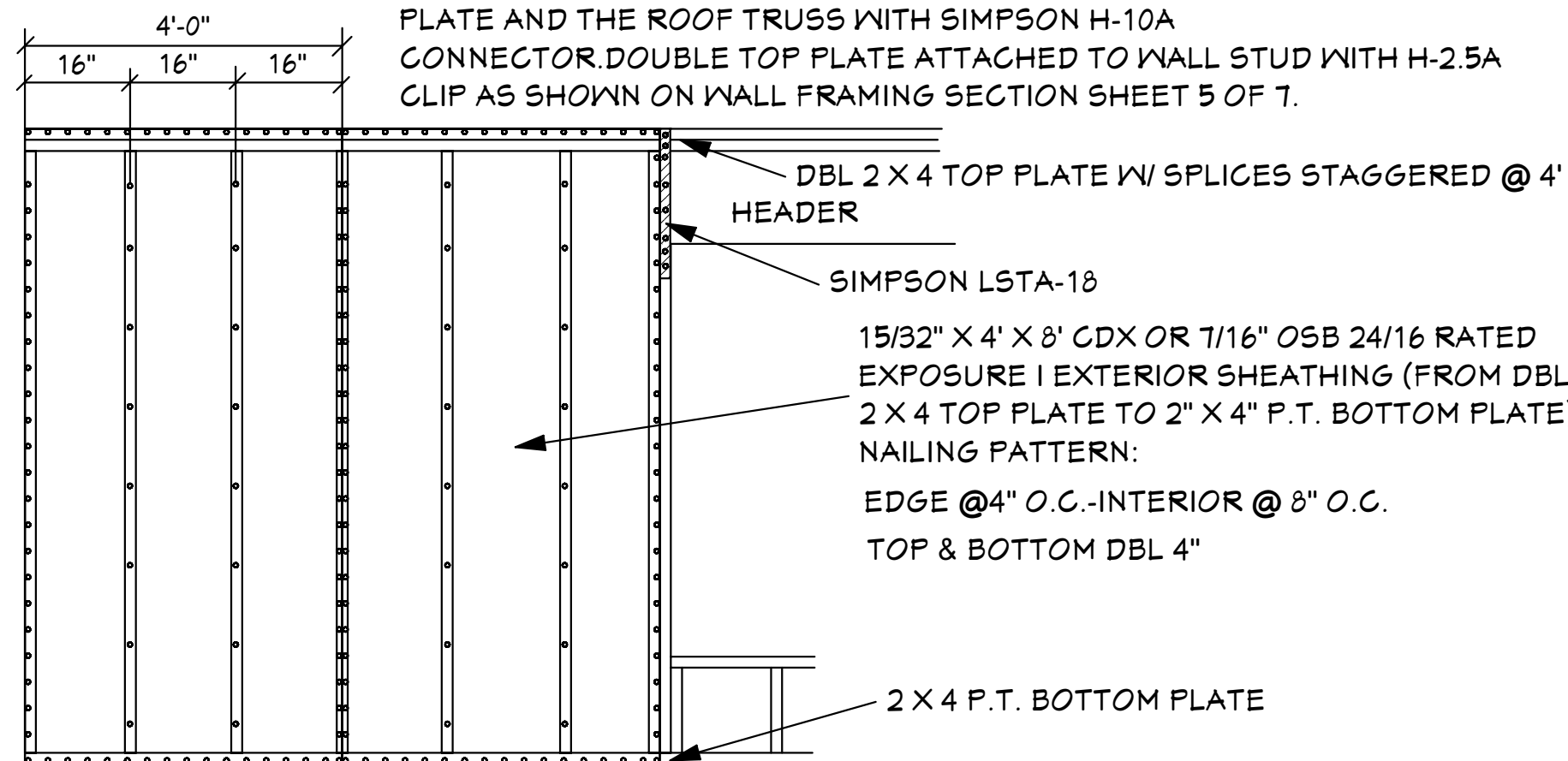
SCALE: 1/4" = 1'0"

JOB # 2021-053

SHEET
 3 OF 7

05-25-2021 REVISIONS

NOTE: THIS SECTION SHOWS FOR THE EXTERIOR SHEATHING TO EXTEND TO THE TOP OF UPPER 2 X OF THE DOUBLE TOP PLATE OF THE WALLS. HOWEVER IT IS ACCEPTABLE THAT THE EXTERIOR SHEATHING IS NAILED TO THE BOTTOM PLATE OF THE DOUBLE TOP PLATE. USE SINGLE ROW OF 8D RINGSHANK NAILS @ 4" O.C. AT EDGES AND 8" O.C. AT INTERIOR LOCATIONS. THE BOTTOM PLATE IS TO BE TIED TO THE TOP PLATE AND THE ROOF TRUSS WITH SIMPSON H-10A CONNECTOR. DOUBLE TOP PLATE ATTACHED TO WALL STUD WITH H-2.5A CLIP AS SHOWN ON WALL FRAMING SECTION SHEET 5 OF 7.

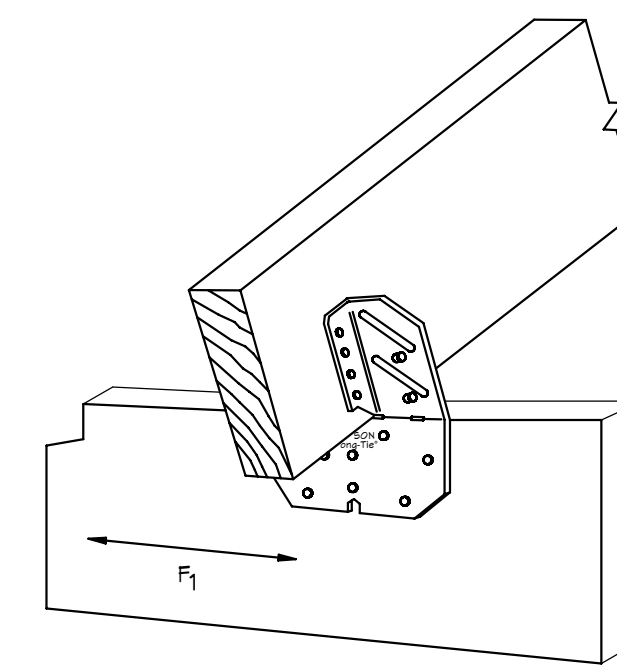


NOTE: ALL NAILING @ ALL SURFACES TO BE NAILED W/ 8D RING SHANK NAILS

Simpson Strong-Tie
H10A

HURRICANE CLIP
@ EXT. BEARING WALL

1
4



Simpson Strong-Tie
H10A

HURRICANE CLIP @
EXT. BEARING WD. BEAM

2
4

GENERAL NOTES

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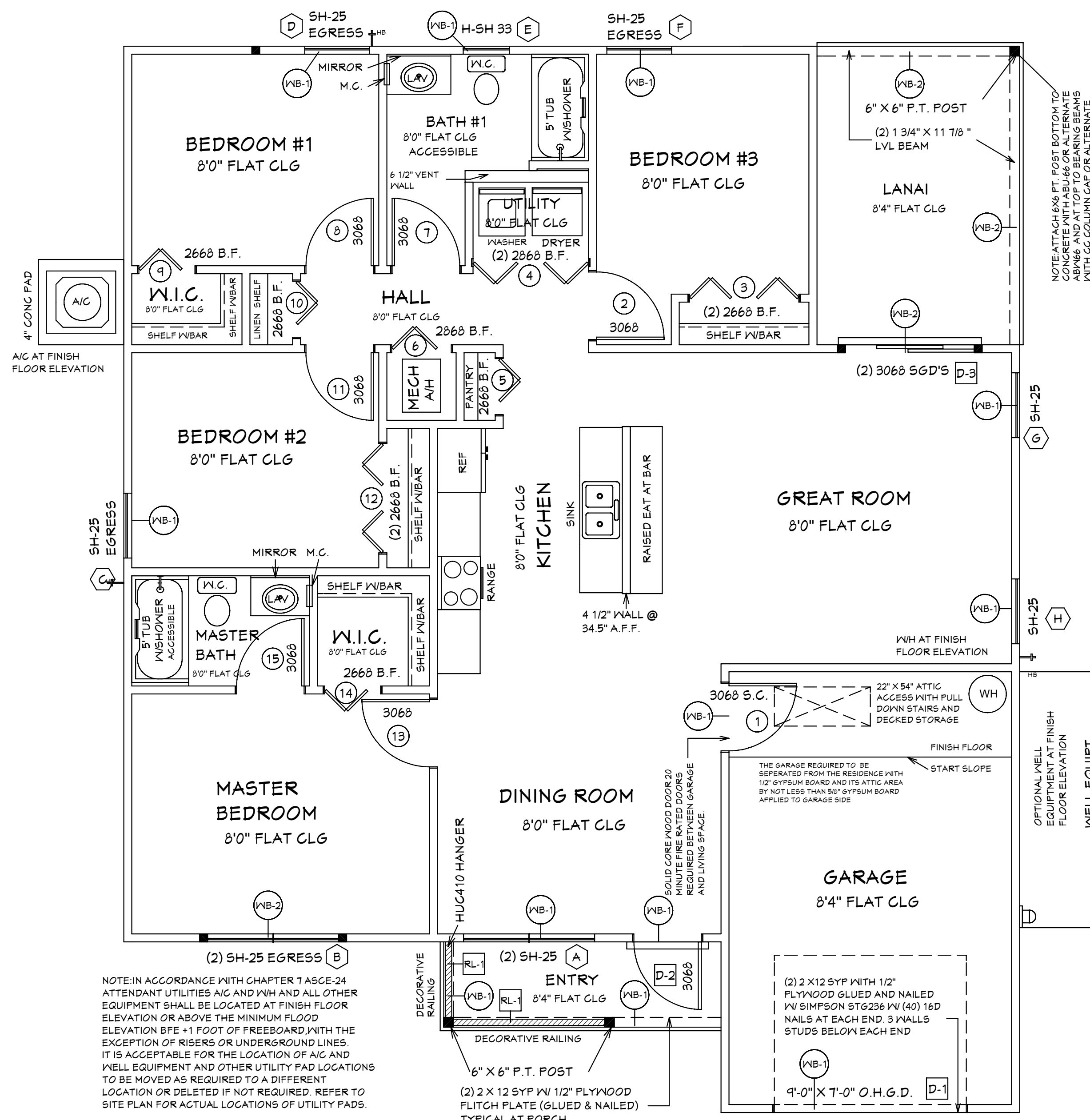
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05-25-2021

EXTERIOR WALL NAILING DETAIL

SCALE: N.T.S.



NOTE: ALL EXTERIOR WALLS ARE 3 1/2" WIDE WOOD WALLS WITH 1/2" PLYWOOD EXTERIOR AND 1/2" DRYWALL INSIDE (4 1/2" TOTAL.) UNLESS NOTED DIFFERENT.

NOTE: ALL INTERIOR WALLS ARE 4 1/2" AND 6 1/2" WIDE WOOD WALLS. UNLESS NOTED DIFFERENT.

CONTRACTOR IS RESPONSIBLE FOR VERIFYING ROUGH OPENINGS AND SIZES OF ALL DOORS AND WINDOWS BEFORE STARTING CONSTRUCTION.

(NB-1) = (2) 2 X 12 SYP WITH 1/2" PLYWOOD FLITCH PLATES. GLUED AND NAILED

(NB-2) = (2) 1 3/4" X 11 7/8" LVL BEAMS

NOTE: ATTACH 6X6 PT. POST BOTTOM TO CONCRETE WITH ABU-66 OR ALTERNATE ABX66 AND AT TOP TO BEARING BEAMS WITH CC COLUMN CAP OR ALTERNATE ST6224 STRAP TYPICAL.

(2) 1 3/4" X 11 7/8" MICROLAM W/ SIMPSON ST6236 W/ (40) 16D NAILS AT WALL END. 3 WALLS STUDS BELOW EACH END

NOTED FLOOR PLAN

DOOR LEGEND

FEET	INCHES	FEET	INCHES	PKT= POCKET
3	0	6	8	BF= BI-FOLD
				BP= BI-PASS
				FR= FRENCH
				FX= FIXED
				MIR= MIRRORED
				O.H.G.D.=OVER HEAD GARAGE DOOR
				S.G.D.=SLIDING GLASS DOOR
				S.C.= SOLID CORE

NOTE: BOTTOM CHORD OF ALL TRUSSES IN LANAI AND ENTRY (AREAS EXPOSED TO WIND). IT IS ACCEPTABLE TO ADD SHEATHING IN THESE AREAS AND SHEATHING TO BE 1/2" EXTERIOR GRADE PLYWOOD OR 1/2" O.S.B. BOARD. ATTACH PLYWOOD OR O.S.B. BOARD TO BOTTOM CHORDS OF ROOF TRUSSES WITH 10d NAILS AT 4" O.C. AT EDGES AND 6" O.C. AT INTERMEDIATE SUPPORTS. IT IS ACCEPTABLE TO COVER PLYWOOD WITH SOLID VINYL SOFFIT FL-16503.2. ATTACH SOLID VINYL SOFFIT TO PLYWOOD OR O.S.B. BOARD WITH 16 GA X 7/16" WIDTH CROWN STAPLE 5/8" MIN LENGTH @ 12" O.C. SOLID VINYL SOFFIT MEETS REQUIREMENTS OF THE 11TH EDITION OF THE 2020 F.R.B.C.

INTERIOR DOOR SCHEDULE

ID	QTY.	ROOM	SIZE	MANUF.	DESIGNATION	NOTES
1	1	GARAGE	3068			SOLID CORE
2	1	BEDROOM #3	3068			
3	1	BEDROOM #3	(2) 2668 B.F.			
4	1	UTILITY	(2) 2668 B.F.			
5	1	PANTRY	2668 B.F.			
6	1	HALL	2668 B.F.			
7	1	BATH #1	3068			
8	1	BEDROOM#1	3068			
9	1	BEDROOM#1	2668 B.F.			
10	1	HALL	2668 B.F.			
11	1	BEDROOM#2	3068			
12	1	BEDROOM#2	(2) 2668 B.F.			
13	1	MASTER BED	3068			
14	1	MASTER W.I.C.	2668 B.F.			
15	1	MASTER BATH	3068			

AREA SCHEDULE

AREA	SQ. FT.
LIVING A/C	1458 SQ. FT.
ENTRY	52 SQ. FT.
GARAGE	285 SQ. FT.
LANAI	133 SQ. FT.
TOTAL	1928 SQ. FT.

PRODUCT SCHEDULE

160 MPH (ULTIMATE DESIGN) = 124 (NOMINAL DESIGN) ENCLOSED STRUCTURE

ROOM NAME	MARK	CALL SIZE	W/O. DOOR SIZE	W/O. WINDOW SIZE (WxH)	DETAIL	QTY	DESIGNATION	WINDOW / DOOR PRODUCT APPROVAL SHEETS	INSTALLATION NOTES (LIST BELOW)	WIND. BORNE DEBRIS REGION	TYPE OF WINDBORNE DEBRIS PROTECTION (WHERE APPLICABLE)	IMPACT COVERING DESIGNATION / ENTITY (WHERE APPLICABLE)
DOOR SCHEDULE												
GARAGE	D-1	9'0" O.H.G.D.	9'-0" X 7'-0"	PER MFR.	5	24.121-31.20	REFER TO PRODUCT APPROVAL SHEETS	3	Y	N/A	IMPACT APPROVED WITHOUT GLAZING OR COVERING	
FOYER	D-2	3068 6 PNL	3'-2" X 6'-9 3/8"	PER MFR.	5	26.401-34.50	REFER TO PRODUCT APPROVAL SHEETS		Y	N/A	IMPACT APPROVED WITHOUT GLAZING OR COVERING	
KITCHEN	D-3	(2) 3068 S.G.D.'S	6'-0" 1/2" X 6'-9 3/8"	PER MFR.	5	26.401-34.50	REFER TO PRODUCT APPROVAL SHEETS		Y	GLAZING	N/A	
WINDOW SCHEDULE												
DINING ROOM	A	(2) SH-25	73 3/4" X 62 3/4"	PER MFR.	4	26.401-34.50	REFER TO PRODUCT APPROVAL SHEETS		Y	COVERING	HURRICANE PANELS REFER TO PRODUCT APPROVAL SHEETS	
MASTER BEDROOM	B	(2) SH-25 EGRESS	73 3/4" X 62 3/4"	PER MFR.	5	26.401-34.50	REFER TO PRODUCT APPROVAL SHEETS	1	Y	COVERING	HURRICANE PANELS REFER TO PRODUCT APPROVAL SHEETS	
BEDROOM #2	C	SH-25 EGRESS	36 1/2" X 62 3/4"	PER MFR.	4	27.661-30.00	REFER TO PRODUCT APPROVAL SHEETS	1	Y	COVERING	HURRICANE PANELS REFER TO PRODUCT APPROVAL SHEETS	
BEDROOM#1	D	SH-25 EGRESS	36 1/2" X 62 3/4"	PER MFR.	4	27.661-30.00	REFER TO PRODUCT APPROVAL SHEETS	1	Y	COVERING	HURRICANE PANELS REFER TO PRODUCT APPROVAL SHEETS	
BATH	E	H-33 SH	26" X 30 1/8"	PER MFR.	4	27.661-30.00	REFER TO PRODUCT APPROVAL SHEETS	2	Y	COVERING	HURRICANE PANELS REFER TO PRODUCT APPROVAL SHEETS	
BEDROOM #3	F	SH-25 EGRESS	36 1/2" X 62 3/4"	PER MFR.	4	27.661-30.00	REFER TO PRODUCT APPROVAL SHEETS	1	Y	COVERING	HURRICANE PANELS REFER TO PRODUCT APPROVAL SHEETS	
GREAT ROOM	G	SH-25	36 1/2" X 62 3/4"	PER MFR.	5	27.661-37.02	REFER TO PRODUCT APPROVAL SHEETS		Y	COVERING	HURRICANE PANELS REFER TO PRODUCT APPROVAL SHEETS	
GREAT ROOM	H	SH-25	36 1/2" X 62 3/4"	PER MFR.	4	27.661-30.00	REFER TO PRODUCT APPROVAL SHEETS		Y	COVERING	HURRICANE PANELS REFER TO PRODUCT APPROVAL SHEETS	

ROOF COVERING MATERIAL

TYPE	MANUFACTURER	APPROVED MODEL, STYLE, OR DESIGNATION
ASPHALT SHINGLES	REFER TO PRODUCT APPROVAL SHEETS	REFER TO PRODUCT APPROVAL SHEETS

IMPACT RESISTANT COVERING MATERIAL

TYPE	MANUFACTURER	APPROVED MODEL, STYLE, OR DESIGNATION
HURRICANE PANELS	REFER TO PRODUCT APPROVAL SHEETS	REFER TO PRODUCT APPROVAL SHEETS

INSTALLATION NOTES:
1. MEANS OF EGRESS
2. TEMPERED WINDOW
3. O.H. GARAGE DOOR

LEGEND:
Dx = DOOR DESIGNATION
Sx = SKYLITE DESIGNATION
Wx = WINDOW DESIGNATION

SIZE DESIGNATIONS
W = WIDTH
H = HEIGHT

BUILDER TO VERIFY ALL ROUGH OPENINGS FOR ALL DOORS, SLIDING GLASS DOORS, AND WINDOWS PRIOR TO START OF CONSTRUCTION.

BUILDER TO SUPPLY PRODUCT APPROVAL

WINDOWS SHGC= 0.24
REFER TO ATTACHED ENERGY CALCULATIONS AND ATTACHED INFORMATION FROM WINDOW AND DOOR COMPANY.

SUGAR PALM 2 4/21 MODEL / RIGHT HAND GARAGE / MONO FOOTER / 2020 CODE / 10 1/2" CANT

REVISIONS:

05-10-2021
05-25-2021

HICKS DRAFTING & DESIGN
603 MAPLE AVENUE N
LEHIGH ACRES, FL 33472
CELL: (239) 462-2734
E-MAIL: DHICKS928@AOL.COM

BUILDER: HABITAT FOR HUMANITY
4 BEDROOM 2 BATH HOME / 160 MPH WIND LOADING

NEW HOUSE FOR:
LOT- / BLOCK- / UNIT- / SECTION-
TOWNSHIP- SOUTH/RANGE- EAST
STREET#
ADDRESS:

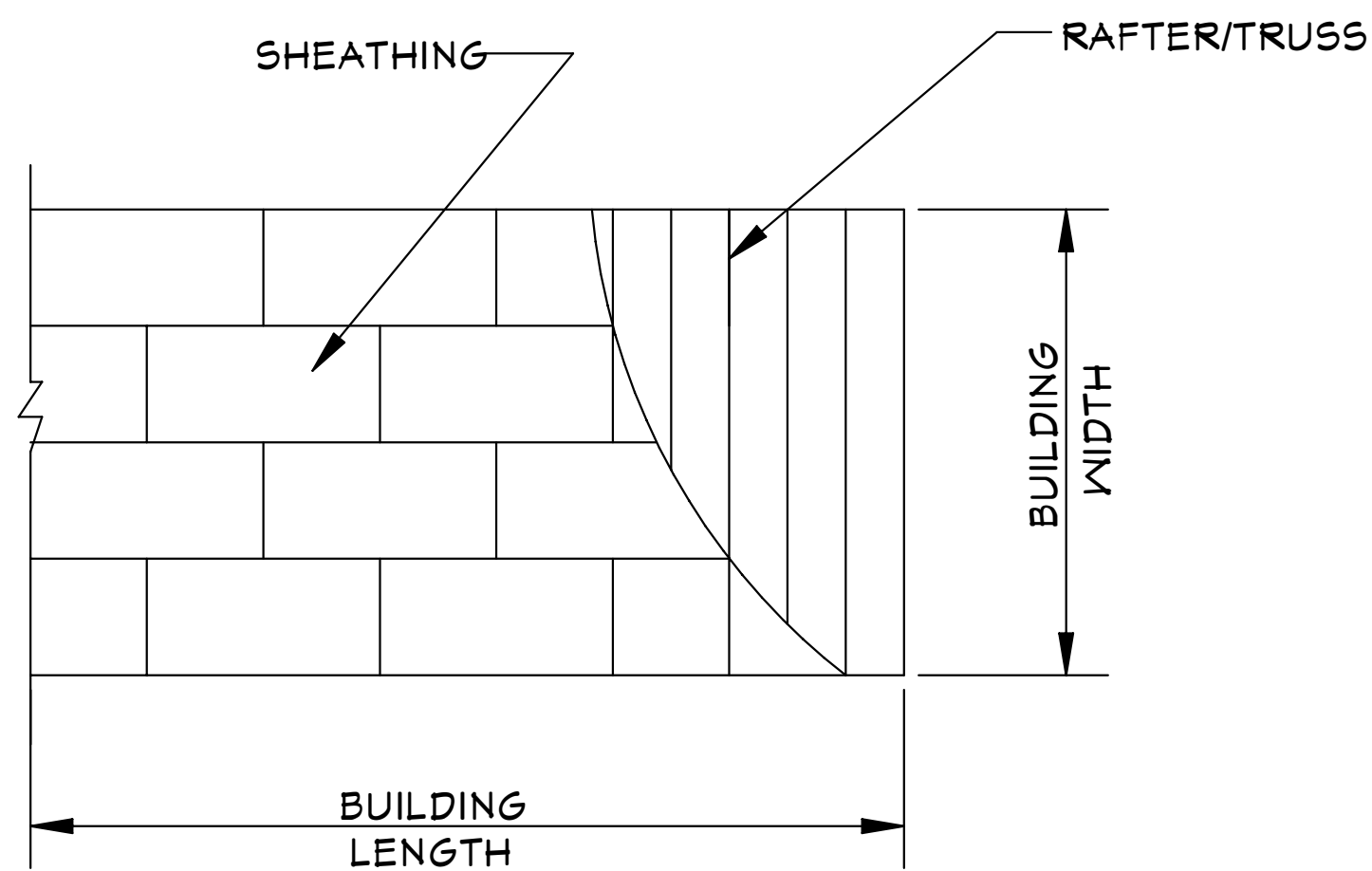
DRAWN BY
DAVID HICKS

DATE: 03-29-2021

SCALE: 1/4"=1'0"

JOB # 2021-053

SHEET
4 OF 7



ROOF SHEATHING LAYOUT FOR HIP ROOFS

*N.T.S.

ONE WINDOW IN EACH BEDROOM SHALL PROVIDE 5.7 SQ. FT. OF EGRESS AREA MINIMUM CLEAR OPENING 20" W. AND 24" H.

MINIMUM 24" CLEAR OPENING IS REQUIRED FOR ACCESS TO ONE TOILET ROOM PER FLORIDA HANDICAP ACCESSIBILITY REQUIREMENTS.

ALL SMOKE DETECTOR CARBON MONOXIDE ALARM COMBOS TO BE INTERCONNECTED 110 VOLTS A.C.

LIGHTS IN CLOSETS TO COMPLY WITH SECT. 410-8 NEC.

PROVIDE GFI PER NEC 210-8

WATER CONSERVATION FIXTURES REQUIRED ORD#42-36



NOTE: ADD BLOCKING AS REQUIRED FOR HANDI CAP GRAB BARS IN ALL MODELS. VERIFY LOCATIONS OF BLOCKING BEFORE START OF CONSTRUCTION.

GENERAL NOTES

- CONTRACTOR TO VERIFY ALL DIMENSIONS PRIOR TO START OF CONSTRUCTION. DIMENSIONS TAKE PRECEDENCE OVER SCALED DIMENSIONS.
- MASONRY CONTRACTOR TO VERIFY MASONRY OPENING DIMENSIONS FOR ALL WINDOWS, SLIDING GLASS DOORS, & ENTRY DOORS AS SHOWN ON THESE PLANS, WITH THE DOOR AND WINDOW MANUFACTURER PRIOR TO CONSTRUCTION.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO CHECK THESE PLANS FOR DIMENSIONAL ERRORS, AND/OR OMISSIONS PRIOR TO CONSTRUCTION. IF ANY ERRORS OR OMISSIONS EXIST IN THE DRAWINGS OR SPECIFICATIONS, THE CONTRACTOR SHALL NOTIFY HICKS DRAFTING & DESIGN, IN WRITING, WITHIN 10 DAYS OF RECEIPT OF PLANS, AND PRIOR TO ANY CONSTRUCTION. CONTRACTOR ASSUMES ALL THE RESPONSIBILITY FOR THE RESULTS AND ALL THE COSTS OF RECTIFYING THE SAME.
- HICKS DRAFTING & DESIGN DOES NOT ASSUME ANY RESPONSIBILITY FOR SUPERVISION OF CONSTRUCTION. CONTRACTOR TO ADHERE STRICTLY TO THE (11TH EDITION) OF THE 2020 FLORIDA RESIDENTIAL BUILDING CODE, CHAPTER 3, AND SECTION 1609 OF THE (11TH EDITION) OF THE 2020 FLORIDA BUILDING CODE, TOGETHER WITH LOCAL AMENDMENTS, AND ALL OTHER APPLICABLE STATE, COUNTY, AND LOCAL STATUTES, ORDINANCES, REGULATIONS, AND RULES.

NOTE: MASTER PLANS FEMA FLOOD ZONES CONSTRUCTION

NEW CONSTRUCTION OF ANY RESIDENTIAL STRUCTURE SHALL HAVE THE LOWEST FLOOR OR CONCRETE SLAB, INCLUDING GARAGE OR BASEMENT AND A/C UNIT AND ALL EQUIPMENT, ELEVATED TO FINISH FLOOR ELEV. OR ABOVE THE BASE FLOOD ELEVATION PLUS 1 FOOT. THIS SHALL APPLY TO HOUSES OR MANUFACTURED HOMES THAT ARE TO BE PLACED OR SUBSTANTIALLY IMPROVED ON SITES IN A NEW MANUFACTURED HOME PARK OR SUBDIVISION. LCD CHAPTER 6, ARTICLE IV FLOOD HAZARD REDUCTION.

THIS RESIDENCE MAY NOT BE BUILT WITHIN 60" OF ANOTHER STRUCTURE OR 30" FROM ANY PROPERTY LINE PER SECTION R302.1(1) (INCLUDING OVERHANGS)

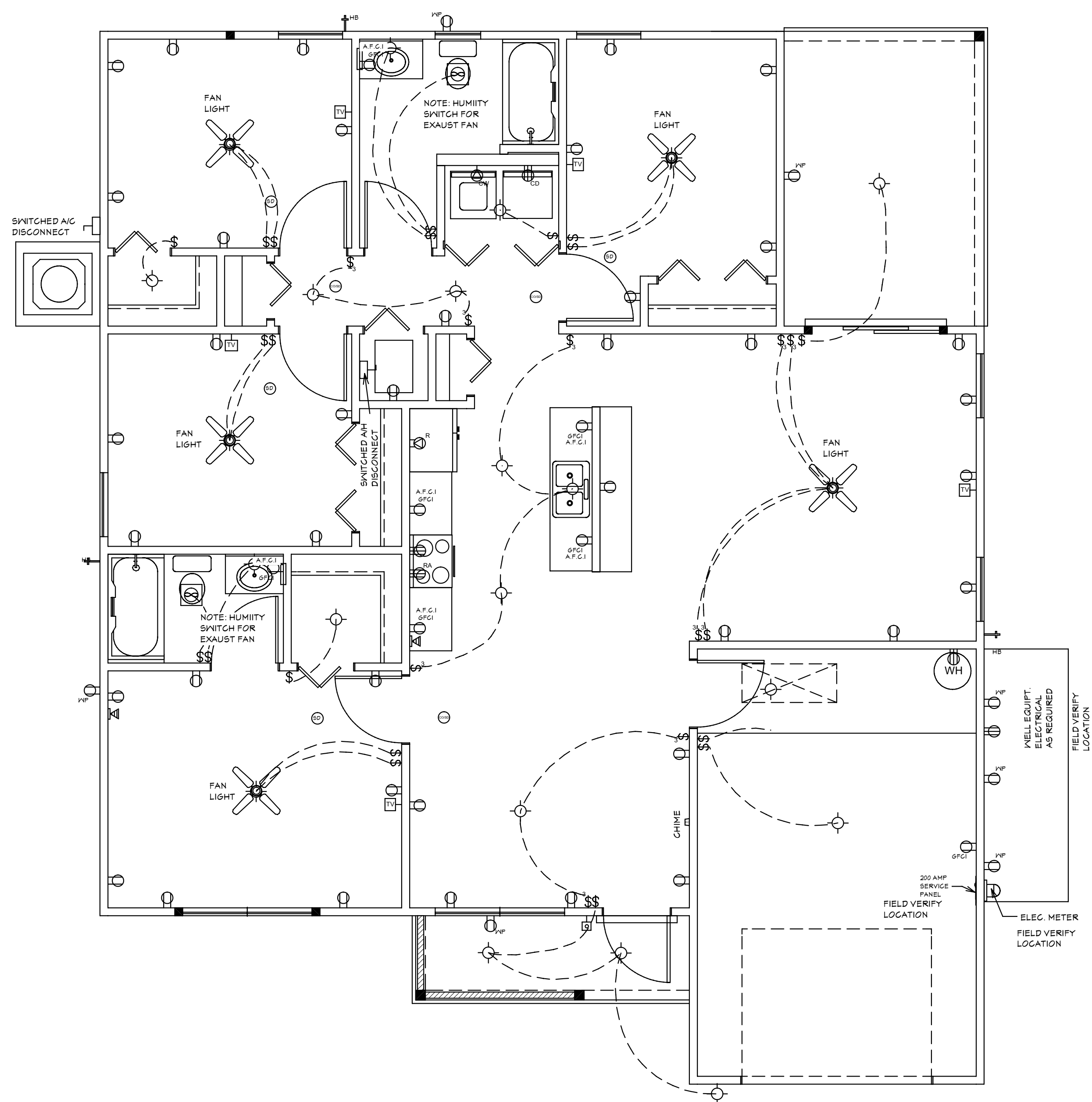
Quattrone & Associates, Inc.
 Engineers, Planners, & Development Consultants
 4301 Veronica Shoemaker Blvd. Fort Myers, FL 33916 (239) 936-5222 QALic.net
 Certificate of Authorization Number: 9465
 AL QUATTORNE P.E. # 52741

COMPLIANCE STATEMENT: DESIGNED BY A REGISTERED PROFESSIONAL ENGINEER AND THE DESIGN PARAMETERS FOR THE (11TH EDITION) OF THE 2020 FLORIDA RESIDENTIAL BUILDING CODE, CHAPTER 3 IN GENERAL AND SECTION 1609 OF THE (11TH EDITION) OF THE 2020 FLORIDA BUILDING CODE.

REVISIONS:

05-10-2021
05-25-2021

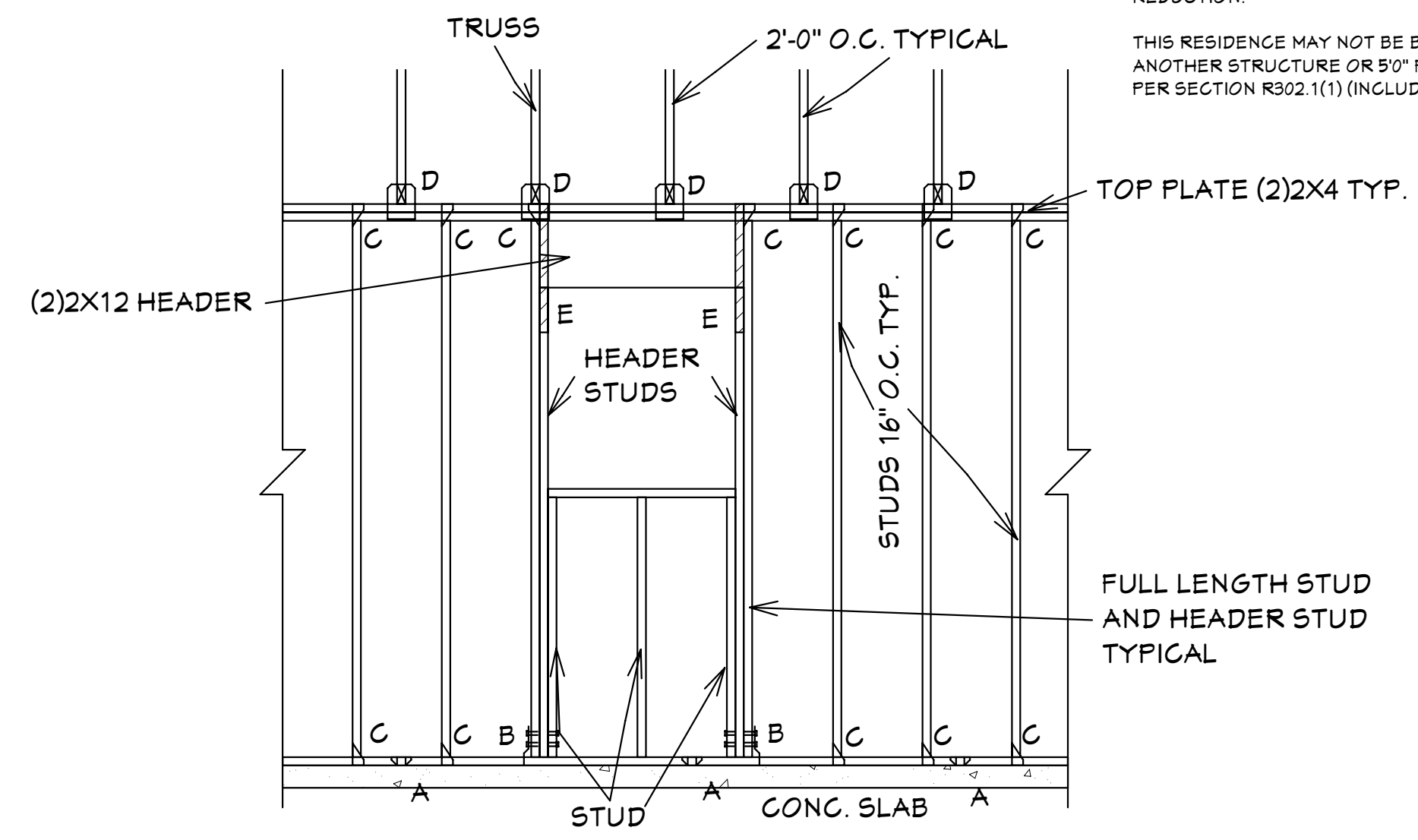
*NOTE: ALL BRANCH CIRCUITS THAT SUPPLY 125-VOLT, SINGLE PHASE, 15 AND 20 AMPERE RECEPTACLE OUTLETS SHALL BE INSTALLED IN ALL ROOMS (INCLUDING BEDROOMS) EXCEPT THE BATHROOMS, UTILITY ROOM IN A DWELLING UNIT AND SHALL BE PROTECTED BY AN ARC-FAULT CIRCUIT INTERRUPTER(S). KITCHEN, BATHROOMS, UTILITY ROOM, AND WET AREA'S SHALL BE PROTECTED BY G.F.C.I. OUTLETS.



ELECTRICAL PLAN

ELECTRICAL LEGEND	
SYMBOL	DESCRIPTION
	Audio Video: Control Panel, Switch
	DENOTES WALL OUTLET TAMPER RESISTANT
	DENOTES GFI WALL OUTLET
	DENOTES WATER PROOF WALL OUTLET
	DENOTES 220 VOLT WALL OUTLET
	DENOTES FLOOR OUTLET
	DENOTES COVERED FLOOR OUTLET
	DENOTES T.V. OUTLET
	DENOTES DOOR BELL
	DENOTES PHONE OUTLET
	DENOTES THERMOSTAT
	DENOTES 200 AMP SERVICE BOX
	DENOTES WALL SWITCH
	DENOTES 3 WAY SWITCH
	DENOTES 4 WAY SWITCH
	DENOTES 5 WAY SWITCH
	DENOTES DIMMER SWITCH
	DENOTES WATER PROOF SWITCH
	DENOTES CEILING OR WALL FIXTURE
	DENOTES FLOOD LIGHTS
	DENOTES RECESS FIXTURE
	DENOTES FLOR LIGHT
	DENOTES EXHAUST FAN
	DENOTES SMOKE DETECTOR
	DENOTES SMOKE DETECTOR CARBON MONOXIDE ALARM COMBO
	DENOTES JUNCTION BOX & COVER FOR FUTURE FAN
	DENOTES JUNCTION BOX W/COVER
	DENOTES ZENFLEX LOW VOLTAGE LIGHTING SYSTEM
	Wall Jacks: CAT5, CAT5 + TV, TV/Cable
	Intercom
	Speakers: Ceiling Mounted, Wall Mounted
	240V Receptacle
	Thermostat
	Wall Mounted Light Fixtures: Flush Mounted, Wall Sconce
	Chandelier Light Fixture

Reviewed for Code Compliance
 By: Glenn Cribbitt Date: 06/17/21
 RESMSTR2021-00178



"A" SIMPSON MAS CONNECTOR WITH (6) 10d X 1 1/2" NAILS @ 2'-0" O.C. (PLATE TO SLAB) OR 1/2" J-BOLT (7" MINIMUM EMBEDMENT) AND 2" X 2" X 1/8" PLATE WASHER @ 16" O.C. OR 1/2" X 6" TITEN HD SCREWS @ 16" O.C.

"B" SIMPSON HD-3B SHEARWALL HOLDOWN W/(2) 5/8" DIA. BOLTS PER STUD AND (1) 5/8" X 6" LONG EXPANSION BOLT

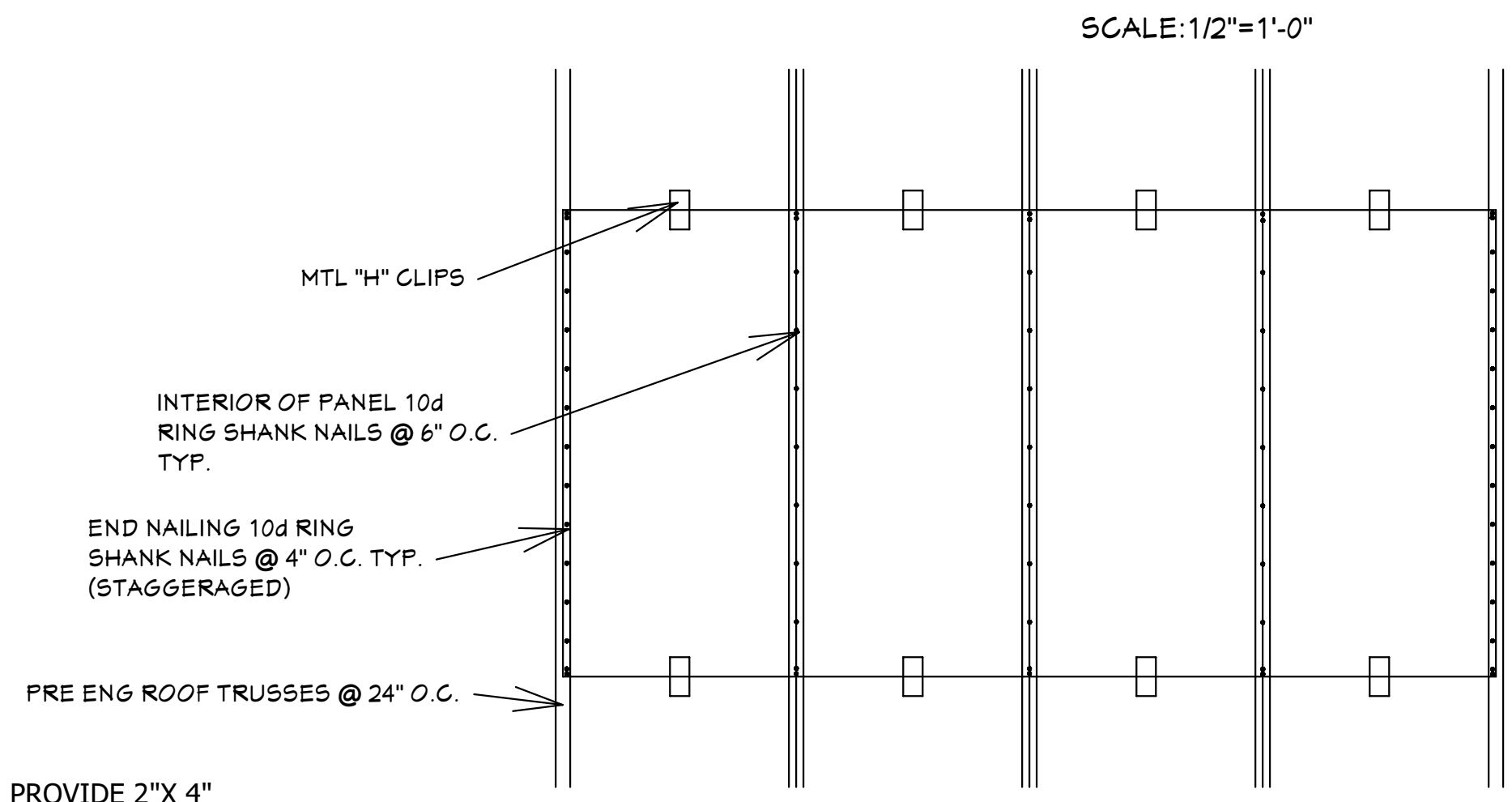
"C" SIMPSON H-2.5A OR H-3 OR EQUAL (STUD TO PLATE)

"D" SIMPSON H10A WITH (18) 10d X 1 1/2" NAILS OR EQUAL (TRUSS TO PLATE)

"E" SIMPSON LSTA-18 WITH (14) 10d NAILS

FRAMING DETAIL (TYP.)

ALL EXTERIOR WALLS ARE SHEARWALLS PER FRAMING DETAIL SHEET 5 OF 7 & EXTERIOR WALL NAILING DETAIL ON SHEET 4 OF 7. SHEAR WALL SECTIONS ARE SHOWN ON SHT 1 OF 7



PROVIDE 2" X 4" BLOCKING IN ROOF FRAMING @ ALL UNSUPPORTED EDGES OF SHEATHING. ATTACH BLOCKING TO TRUSSES W/ MIN. (3) 12d TOENAILED @ EACH END.

ROOF SHEATHING DETAIL

5/8" CDX PLYWOOD APA 40/20
 5/8" O.S.B. 40/20 RATED

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

SUGAR PALM 2 4/21 MODEL / RIGHT HAND GARAGE / MONO FOOTER / 2020 CODE / 10 1/2" CANT

HICKS DRAFTING & DESIGN
 603 MAPLE AVENUE N
 LEHIGH ACRES, FL 33472
 CELL: (239) 462-2734
 E-MAIL: DHICKS928@AOL.COM

BUILDER: HABITAT FOR HUMANITY
 4 BEDROOM 2 BATH HOME / 160 MPH WIND LOADING

NEW HOUSE FOR:
 LOT: /BLOCK: /UNIT: /SECTION-
 TOWNSHIP: SOUTH/RANGE- EAST
 STRAP#
 ADDRESS:
 ADDRESS:

DRAWN BY
 DAVID HICKS

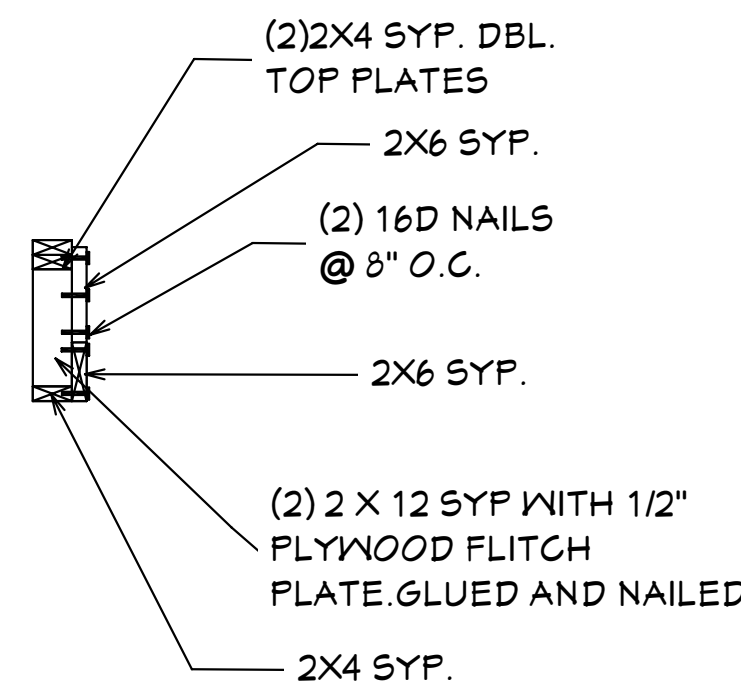
DATE: 03-29-2021

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

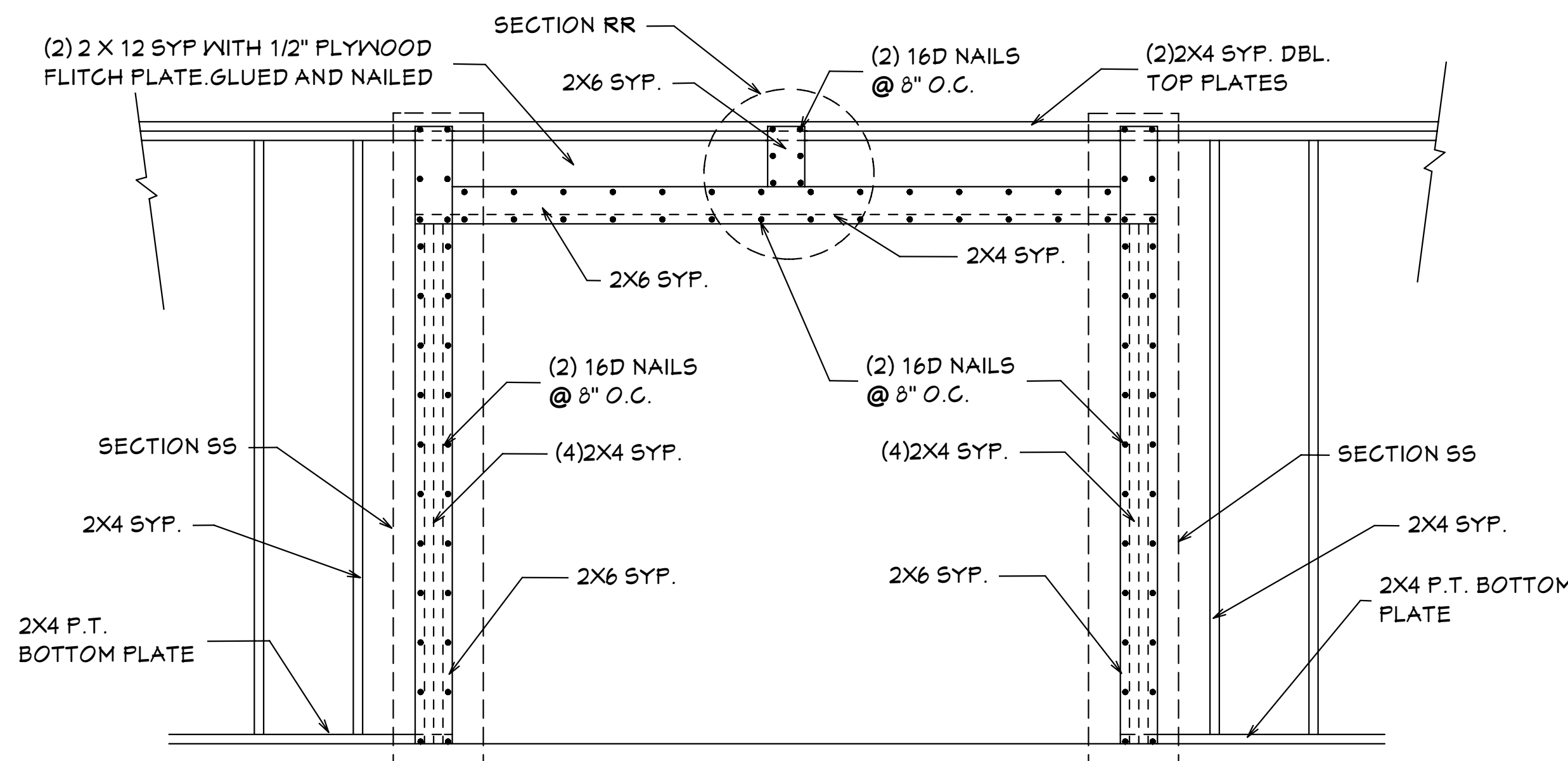
JOB # 2021-053

SHEET
 5 OF 7 SHEET

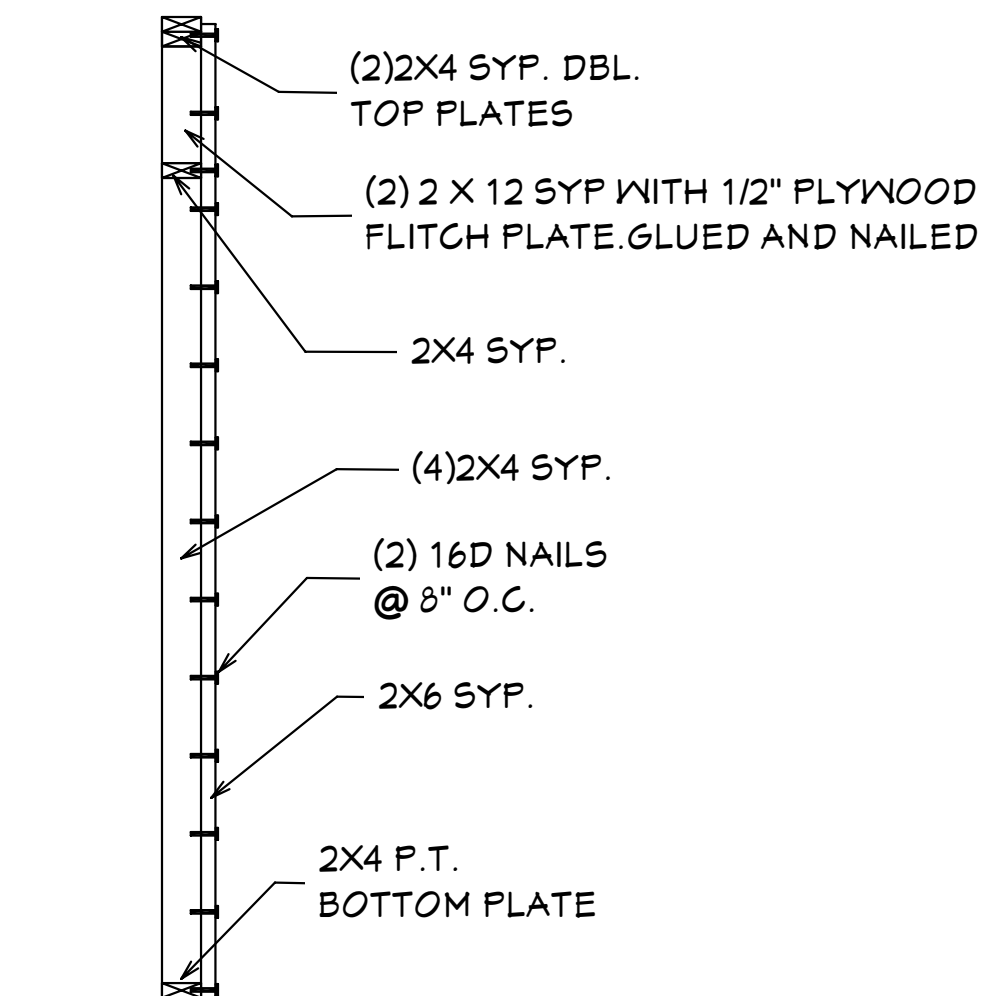
05-25-2021 REVISIONS



RR SECTION



OVERHEAD GARAGE DOOR BUCKING DETAIL



SS SECTION

WOOD GENERAL

- All wood construction shall comply with the latest NFPA and AITC Specifications and Recommendations.
- Lumber standard shall be American Softwood Lumber Standard PS 20-70, S4S, 19% moisture or as required by structural design.
- Structural lumber (headers, columns, exterior wall studs) to be Southern Pine No. 2 KD 15 with a Fb=1,300 PSI E=1,600,000 PSI, and Fv = 45 PSI.
- Glue laminated timber shall conform with ASTM D-3137 and AITC 117. Roof beams shall be designated 24F-V1 or 24F-E1.
- Flywood for sheathing shall be APA rated sheathing as per plans and shall bear the APA Mark.
- Wood in contact with concrete, masonry and/or exposed to weather shall be protected or pressure treated in accordance with AITC-104.

EXTERIOR WALL FRAMING

- Studs shall be placed with the wide face perpendicular to the wall.
- Header Beams shall be provided and fixed in accordance with CHAPTER 6 of the 7th edition of the 2020 Residential, Florida Building Code.
- The minimum number of header studs supporting each end of a header beam shall be 1.
- The minimum number of full-length wall studs at each end of a header beam shall be 1 for openings of 6 feet or less, and 2 for all other openings.
- Uplift connectors shall be provided at the top and bottom of cripple studs, of header studs, and at least one wall stud at each side of opening.

CONNECTIONS FOR EXTERIOR WALL FRAMING

- Framing members in exterior wall systems shall be fastened together in accordance with the 7th edition of the 2020 RESIDENTIAL Edition of the Florida Building Code.
- Uplift connectors shall be provided to resist the uplift loads.
- Uplift load resistance shall be continuous from roof to foundation.
- Studs shall be connected to plates and plates to floor framing with connectors designed, rated, and approved for each individual location and condition.

EXTERIOR WALLS

- Exterior wall segments shall not contain openings which when added together will exceed 144 sq in (1 sq ft) in any individual segment.
- Minimum length of a sheanwall segment shall be 2'-5".
- Studs shall be doubled at each end of each sheanwall segment.
- Joints shall be lap-spliced. Within the center third of a wall length, the minimum lap shall be 4 feet. Lap splices shall be connected with 14 16d common nails.

WALL SHEATHING

- Panels shall be 15/32" exposure 1 C-D sheathing grade plywood OR 7/16" OSB 24/16 RATED and shall be installed as follows. Panels shall be installed with face grain parallel to studs. All horizontal joints shall occur over framing and shall be attached per Standard Details. Flatwise blocking shall be used at all horizontal panel joints. Panels shall be attached to bottom plates and top member of the double top plate. Lowest plates shall be attached to foundation with bolts or connectors of sufficient capacity to resist the uplift forces developed in the plywood sheathed walls. Panel attachment to framing shall be as illustrated in the Detail Sheets. Where windows and doors interrupt plywood sheathing, framing anchors or connectors shall be used to resist the appropriate uplift loads.

ANCHOR DOWN CONNECTORS

- Exterior walls require anchor downs to resist overturning moment.
- Two studs and anchor down are required at each end of each sheanwall segment.
- The anchor down shall be fastened through the doubled studs and to the construction below in accordance with the manufacturer's recommendations.

ROOF SHEATHING

- Roof sheathing shall be 5/8 inch Exposure 1 C-D sheathing grade plywood OR 5/8" OSB 40/20 RATED (wood structural panels) or equivalent.
- The sheathing shall be installed in accordance with Detail Sheets.
- Long dimension shall be perpendicular to framing and end joints shall be staggered.

GENERAL

- This building/structure has been designed in accordance with the (7TH EDITION) OF THE 2020 Residential Edition of the Florida Building Code CHAPTER 3 AND SECTION 1609 OF THE 7TH EDITION OF THE 2020 FLORIDA BUILDING CODE for design pressures generated by 3 second gust design wind velocity of 160 mph, structural calculations, as necessary to confirm compliance with the 7th edition of the 2020 Residential Edition of the Florida Building Code, have been performed.
- David Hicks, and HICKS DRAFTING & DESIGN have not been retained to provide, nor is responsible for, the field supervision, inspection, or construction administration of this project. The owner, or general contractor is responsible for: field supervision, construction administration, review and approval of all shop drawings, verification on-site of all dimensions and elevations, and strict compliance with these construction documents as approved by Lee County drawn by David Hicks, and reviewed by ENGINEER OF RECORD
- Exterior glazing shall be impact resistant or protected with an impact resistant covering meeting the requirements of SST12, ASTM 1886 and ASTM E 1996, or Miami-Dade FA201, 202, and 203, meeting the requirements of the Large Missile Test.
- All windows, doors and other such systems, components and cladding shall be designed in accordance with CHAPTER 3 of the 7TH EDITION OF THE 2020 RESIDENTIAL Edition AND SECTION 1609 of the 7TH EDITION OF THE 2020 Florida Code for design pressures generated by a three second gust design wind velocity of 160 mph. see "Design Parameters" for specific pressures.
- Contractor shall notify the owner in writing prior to construction of any discrepancy between plans and on-site dimensions and elevations.

FASTENERS AND CONNECTORS

- Connectors, anchors, and other fastening devices shall be installed in accordance with the manufacturer's recommendations.
- Where fasteners are not otherwise indicated, fasteners shall be provided in accordance with the 7th edition of the 2020 RESIDENTIAL Edition of the Florida Building Code
- Nails, screws, or bolts shall be able to resist the forces specified in the 7th edition of the 2020 residential Florida Building Code, chapter 3
- Metal plates, connectors, screws, bolts and nails exposed directly to the weather or subject to salt corrosion in coastal areas shall be stainless steel, or hot dipped galvanized, after the fastener or connector is fabricated, to form a zinc coating not less than 1 oz per sq ft. or hot dipped galvanized coated with a minimum of 1.8 oz per sq ft of steel meeting the requirements of ASTM A 90 Triple Spot Test.
- Unless otherwise stated, sizes given for nails are common wire nails. For example, 8d = 2 1/2 inches long x 0.131 inch diameter. See Table 12.3B, columns 2, 3, and 4 in the National Design Specifications for Wood Construction.

FOOTINGS AND FOUNDATIONS

GENERAL

- All exterior walls, bearing walls, and columns, shall be supported on continuous concrete footings, to support safely the loads imposed as determined from the character of the soil.
- Refer to standard details for typical foundation details.
- Concrete shall have a minimum specified compressive strength of 3000 psi at 28 days.
- Reinforcing Steel shall be minimum Grade 40 and identified in accordance with ASTM A 615, A 616, A 617, or A 706.
- Minimum concrete cover over reinforcing bars shall be 3 inches. In narrow footings where there is insufficient concrete cover to accommodate a standard 90 degree hook, the hook shall be rotated in the horizontal direction until the required concrete cover is achieved.
- All concrete is to be mixed, transported, and placed in accordance with the latest ACI Specifications and Recommendations.
 - Foundations have been designed for an allowable soil bearing pressure of 2,000 PSF.
- Provide granular fill, clay materials are unacceptable. Existing Soil under footing and slabs shall be compacted to 95% of AASHTO T-99.
- Fill shall be placed and compacted in one foot lifts.

CONCRETE FLOORS

- Concrete floors shall be cast in place.
- Concrete shall have a minimum compressive strength of not less than 3,000 psi at 28 days.
- The top of a monolithic slab-on-grade shall be at least 8 inches above finished grade.
- The slab shall be 4 inches thick.
- The slab shall have 6x6 W2.9 x W2.9 welded wire fabric at mid-height
- A double layer of welded wire fabric shall be provided around the perimeter of the slab of a distance of 3 ft. from the edge. See Standard Details.
- Welded wire fabric shall conform to ASTM A-185 and free of oil and rust. It shall be installed in lengths as long as possible lapped a minimum of six inches.

GENERAL NOTES

- CONTRACTOR TO VERIFY ALL DIMENSIONS PRIOR TO START OF CONSTRUCTION DIMENSIONS TAKE PRECEDENCE OVER SCALED DIMENSIONS.
- MASONRY CONTRACTOR TO VERIFY MASONRY OPENING DIMENSIONS FOR ALL WINDOWS, SLIDING GLASS DOORS, & ENTRY DOORS AS SHOWN ON THESE PLANS WITH THE DOOR AND WINDOW MANUFACTURER PRIOR TO CONSTRUCTION.
- IT IS THE CONTRACTORS RESPONSIBILITY TO CHECK THESE PLANS FOR DIMENSIONAL ERRORS AND/OR OMISSIONS PRIOR TO CONSTRUCTION. IF ANY ERRORS OR OMISSIONS EXIST IN THE DRAWINGS OR SPECIFICATIONS, THE CONTRACTOR SHALL NOTIFY HICKS DRAFTING & DESIGN, IN WRITING, WITHIN 10 DAYS OF RECEIPT OF PLANS AND PRIOR TO ANY CONSTRUCTION, OR CONTRACTOR ASSUMES ALL THE RESPONSIBILITY FOR THE RESULTS AND ALL THE COSTS OF RECTIFYING THE SAME.
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NOTE: MASTER PLANS

FEMA FLOOD ZONES CONSTRUCTION NEW CONSTRUCTION OF ANY RESIDENTIAL STRUCTURE SHALL HAVE THE LOWEST FLOOR OR CONCRETE SLAB, INCLUDING GARAGE OR BASEMENT AND A/C UNIT AND ALL EQUIPMENT, ELEVATED TO FINISH FLOOR ELEV. OR ABOVE THE BASE FLOOD ELEVATION PLUS 1 FOOT. THIS SHALL APPLY TO HOUSES OR MANUFACTURED HOMES THAT ARE TO BE PLACED OR SUBSTANTIALLY IMPROVED ON SITES IN A NEW MANUFACTURED HOME PARK OR SUBDIVISION LGD CHAPTER 6, ARTICLE IV FLOOD HAZARD REDUCTION.

THIS RESIDENCE MAY NOT BE BUILT WITHIN 60' OF ANOTHER STRUCTURE OR 50' FROM ANY PROPERTY LINE PER SECTION R302.1(1) (INCLUDING OVERHANGS)

Quattrone & Associates, Inc.
 Engineers, Planners, & Development Consultants
 4301 Veronica Shoemaker Blvd. Fort Myers, FL 33916 (239) 936-5222 QALic.net
 AL QUATTRONE Certificate of Authorization Number: 9445
 P.E. # 52741

COMPLIANCE STATEMENT: DESIGNED BY A REGISTERED PROFESSIONAL ENGINEER AND THE DESIGN PARAMETERS FOR THE (7TH EDITION) OF THE 2020 FLORIDA RESIDENTIAL BUILDING CODE, CHAPTER 3 IN GENERAL AND SECTION 1609 OF THE (7TH EDITION) OF THE 2020 FLORIDA BUILDING CODE.

05-25-2021

REVISIONS:

05-10-2021
05-25-2021

HICKS DRAFTING & DESIGN
 603 MAPLE AVENUE N
 LEHIGH ACRES, FL 33472
 CELL: (239) 462-2734
 E-MAIL: DHICKS928@AOL.COM

BUILDER: HABITAT FOR HUMANITY
 4 BEDROOM 2 BATH HOME /160 MPH WIND LOADING

NEW HOUSE FOR:
 LOT- /BLOCK- /UNIT- /SECTION-
 TOWNSHIP- SOUTH/RANGE- EAST
 STRA#
 ADDRESS:
 ADDRESS:

DRAWN BY
 DAVID HICKS

DATE: 03-29-2021

SCALE: 1/4"=1'0"

JOB # 2021-053

SHEET
 6 OF 7 SHEET

I AL QUATTRONE HAVE REVIEWED TRUSS LAYOUT AND THE TRUSS CONNECTOR SCHEDULE BASED ON TRUSS LAYOUT BY RAYMOND BUILDING SUPPLY / RBS # 18073013M1 / DATED: REVISED UPDATED TO NEW 2020 CODE WITH 05-22-2021 REVISION

UPLIFT EXCEEDING #1000	TRUSS IDENTIFICATION	WINDLOAD CONNECTORS
NO UPLIFTS OVER #1000 NO REACTIONS OVER #5000		
ALL OTHER TRUSSES:		
WOOD FRAME	1000	H-10 (16)-8D X 1-1/2
MASONRY		

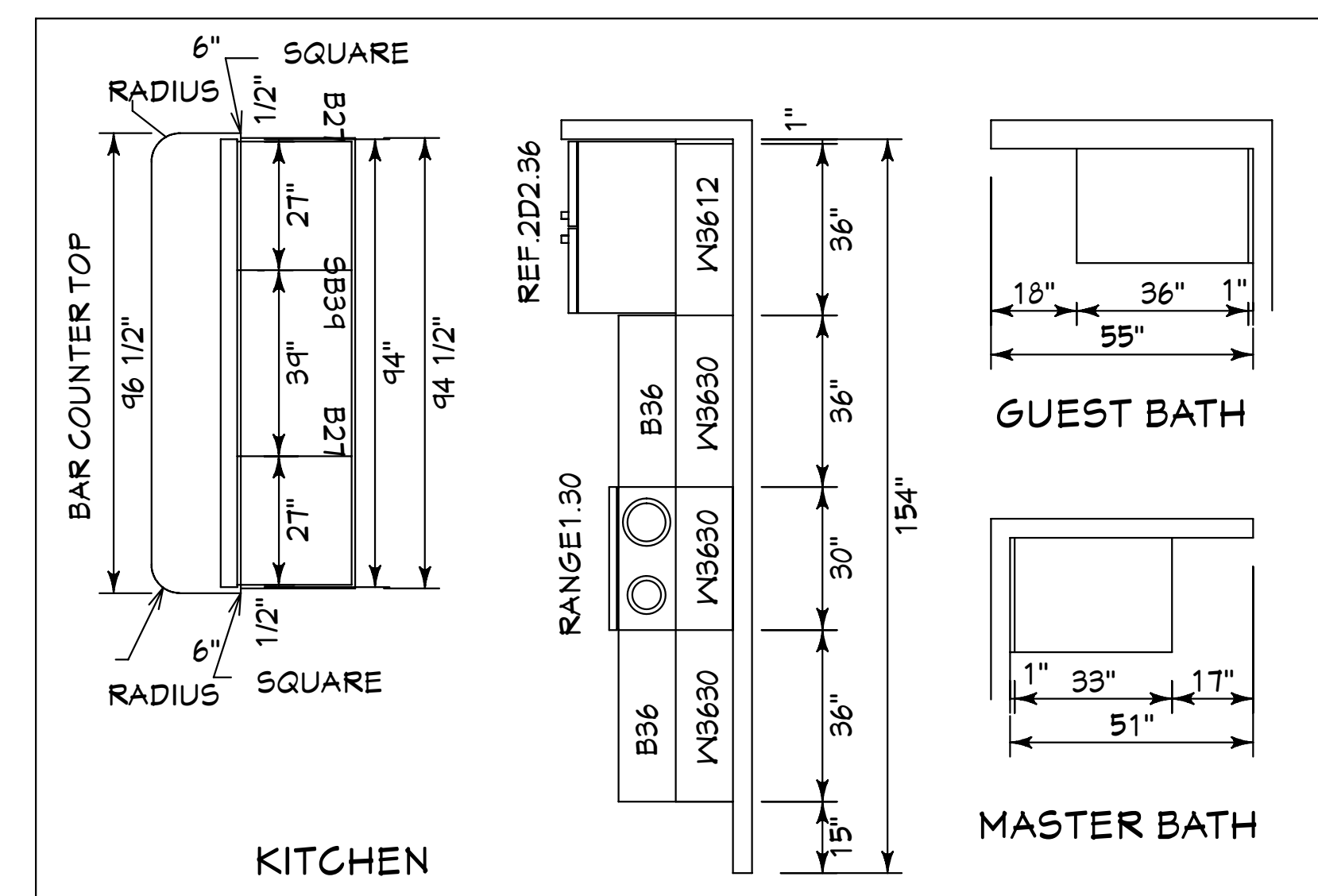
1. INFORMATION ABOVE FROM TRUSS DESIGN WHICH WAS PREPARED BY RAYMOND BUILDING SUPPLY, FT MYERS, FL. TRUSS DESIGNATIONS CORRESPOND WITH RAYMOND DOCUMENT.

2. ALL ANCHORS SHOWN AS MFD. BY SIMPSON STRONG TIE OR EQUAL.

3. ALL LOADS IN POUNDS.

4. LOADS NOT SHOWN: LESS THAN 5K GRAVITY AND 1K UPLIFT.

TRUSS FASTENER REQUIREMENTS



CABINET DRAWINGS
 SCALE: 3/8"=1'0"

SUGAR PALM 2 4/21 MODEL / RIGHT HAND GARAGE / MONO FOOTER / 2020 CODE / 10 1/2" GANT

BUILDING OVERHANG TO BE 5 FEET FROM PROPERTY LINE UNLESS RATED OR FIRE SPRINKLERED TABLE R302.1(1)

DECK BOARDS & STAIR TREADS REQUIRED TO HAVE LABEL R507

ONE LAYER OF WATER RESISTIVE BARRIER BEHIND EXTERIOR SIDING WALL COVERING R703.2

TWO LAYERS OF WATER RESISTIVE BARRIER BEHIND EXTERIOR WALLS WITH WIRE LATH & CEMENTITIOUS FINISH COVERING R703.7.3

PAN FLASHING UNDER WINDOWS AND DOORS ON FRAME CONSTRUCTION. REFER TO NOTES R703.4 ON SHEET 1 OF 7

WINDOWS MUST HAVE COMPLIANT SHGC VALUES. REFER TO EXTERIOR OPENING CHART AND ATTACHED ENERGY CALCULATIONS AND WINDOW AND DOOR SPEC SHEETS FROM MANUFACTURERS.

WATER HEATERS AND STORAGE TANKS SHALL BE EQUIPT WITH PRESSURE RELEASE AND TEMPERATURE VALVES OR A COMBINATION THEREOF 504 WATER TANK SAFETY DEVICES.

THE MAXIMUM DISTANCE BETWEEN A HOT WATER SUPPLY SOURCE AND ALL FIXTURES SERVED BY THE SUPPLY SOURCE HAS BEN REDUCED FROM 100 FT TO 50 FT. HOT OR TEMPERED WATER SUPPLY TO FIXTURES

SECTION R806

ROOF VENTILATION

R806.1 Ventilation required.

Enclosed attics and enclosed rafter spaces formed where ceilings are applied directly to the underside of roof rafters shall have cross ventilation for each separate space by ventilating openings protected against the entrance of rain or snow. Ventilation openings shall have a least dimension of 1/16 inch (1.6 mm) minimum and 1/4 inch (6.4 mm) maximum. Ventilation openings having a least dimension larger than 1/4 inch (6.4 mm) shall be provided with corrosion-resistant wire cloth screening, hardware cloth, perforated vinyl or similar material with openings having a least dimension of 1/16 inch (1.6 mm) minimum and 1/4 inch (6.4 mm) maximum. Openings in roof framing members shall conform to the requirements of Section R802.7. Required ventilation openings shall open directly to the outside air and shall be protected to prevent the entry of birds, rodents, snakes and other similar creatures.

R806.2 Minimum vent area.

The minimum net free ventilating area shall be 1/150 of the area of the vented space.

Exception: The minimum net free ventilation area shall be 1/300 of the vented space, provided that not less than 40 percent and not more than 50 percent of the required ventilating area is provided by ventilators located in the upper portion of the attic or rafter space. Upper ventilators shall be located not more than 3 feet (914 mm) below the ridge or highest point of the space, measured vertically. The balance of the required ventilation provided shall be located in the bottom one-third of the attic space. Where the location of wall or roof framing members conflicts with the installation of upper ventilators, installation more than 3 feet (914 mm) below the ridge or highest point of the space shall be permitted.

R806.3 Vent and insulation clearance.

Where eave or cornice vents are installed, blocking, bridging and insulation shall not block the free flow of air. Not less than a 1-inch (25 mm) space shall be provided between the insulation and the roof sheathing and at the location of the vent.

R806.4 Installation and weather protection.

Ventilators shall be installed in accordance with manufacturer's instructions. Installation of ventilators in roof systems shall be in accordance with the requirements of Section R903. Installation of ventilators in wall systems shall be in accordance with the requirements of Section R703.1.

R806.5 Unvented attic and unvented enclosed rafter assemblies.

Unvented *attics* and unvented enclosed roof framing assemblies created by ceilings that are applied directly to the underside of the roof framing members and structural roof sheathing applied directly to the top of the roof framing members/rafters, shall be permitted where all the following conditions are met:

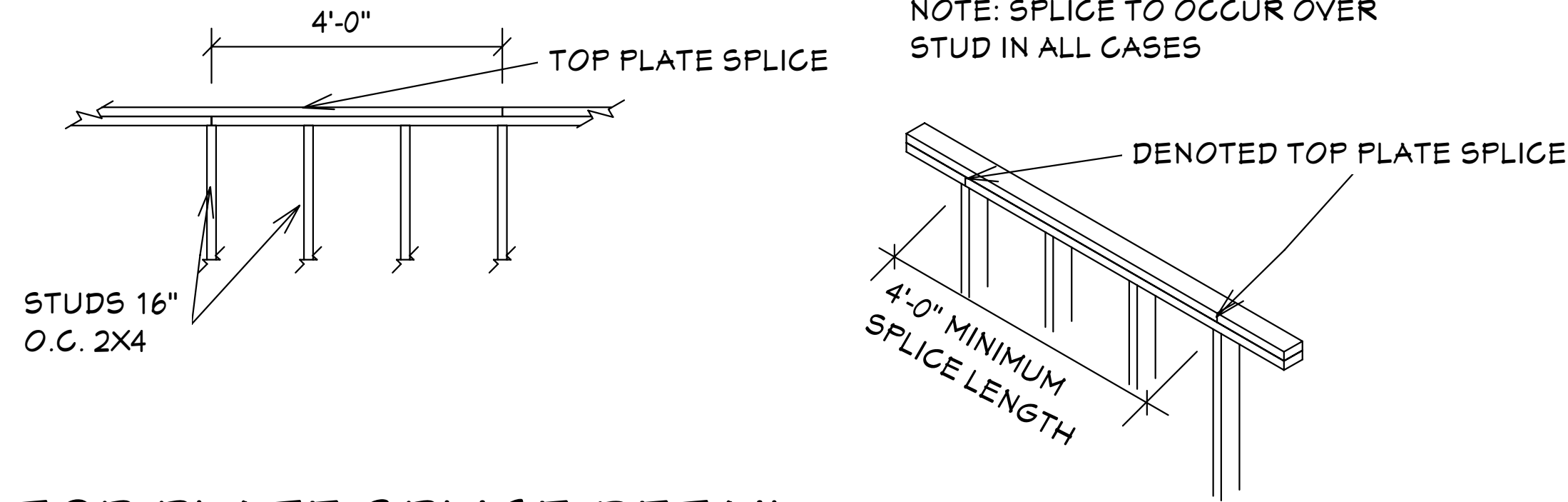
- The unvented *attic* space is completely within the *building thermal envelope*.
- No interior Class I vapor retarders are installed on the ceiling side (*attic floor*) of the unvented *attic* assembly or on the ceiling side of the unvented enclosed roof framing assembly.
- Where wood shingles or shakes are used, a minimum 1/4-inch (6.4 mm) vented airspace separates the shingles or shakes and the roofing underlayment above the structural sheathing.
- In Climate Zones 5, 6, 7 and 8, any *air-impermeable insulation* shall be a Class II vapor retarder, or shall have a Class II vapor retarder coating or covering in direct contact with the underside of the insulation.
- Insulation shall comply with Item 5.3 and Item 5.1. As an alternative, where *air-permeable insulation* is located on top of the attic floor or on top of the attic ceiling, insulation shall comply with Item 5.3 and Item 5.2.
- Item 5.1.1, 5.1.2, 5.1.3 or 5.1.4 shall be met, depending on the air permeability of the insulation directly under the structural roof sheathing.
- 5.1.1. Where only *air-impermeable insulation* is provided, it shall be applied in direct contact with the underside of the structural roof sheathing.
- 5.1.2. Where *air-permeable insulation* is provided inside the building thermal envelope, it shall be installed in accordance with Section 5.1.1. In addition to the *air-permeable insulation* installed directly below the structural sheathing, rigid board or sheet insulation shall be installed directly above the structural roof sheathing in accordance with the *R-values* in Table R806.5 for condensation control.
- 5.1.3. Where both *air-impermeable* and *air-permeable insulation* are provided, the *air-impermeable insulation* shall be applied in direct contact with the underside of the structural roof sheathing in accordance with Item 5.1.1 and shall be in accordance with the *R-values* in Table R806.5 for condensation control. The *air-permeable insulation* shall be installed directly under the *air-impermeable insulation*.
- 5.1.4. Alternatively, sufficient rigid board or sheet insulation shall be installed directly above the structural roof sheathing to maintain the monthly average temperature of the underside of the structural roof sheathing above 45°F (7°C). For calculation purposes, an interior air temperature of 68°F (20°C) is assumed and the exterior air temperature is assumed to be the monthly average outside air temperature of the three coldest months.
- 5.2. In Climate Zones 1, 2 and 3, air-permeable insulation installed in unvented attics on the top of the attic floor or on top of the ceiling shall meet the following requirements:
 - 5.2.1. An approved vapor diffusion port shall be installed not more than 12 inches (305 mm) from the highest point of the roof, measured vertically from the highest point of the roof to the lower edge of the port.
 - 5.2.2. The port area shall be greater than or equal to 1:600 of the ceiling area. Where there are multiple ports in the attic, the sum of the port areas shall be greater than or equal to the area requirement.
 - 5.2.3. The vapor-permeable membrane in the vapor diffusion port shall have a vapor permeance rating of greater than or equal to 20 perms when tested in accordance with Procedure A of ASTM E96.
 - 5.2.4. The vapor diffusion port shall serve as an air barrier between the attic and the exterior of the building.
 - 5.2.5. The vapor diffusion port shall protect the attic against the entrance of rain and snow.
- 5.3. Where preformed insulation board is used as the air-impermeable insulation layer, it shall be sealed at the perimeter of each individual sheet interior surface to form a continuous layer.

THE ROOF VENTILATION MUST MEET ALL REQUIREMENTS OF SECTION R806 ROOF VENTILATION SHOWN ABOVE.
 R806.2 MINIMUM AREA CALCULATIONS:
 THE TOTAL NET FREE VENTILATING AREA SHALL BE NOT LESS THAN 1 TO 300 OF THE AREA OF THE SPACE VENTILATED.
 1429 SQ FT TOTAL ATTIC AREA TO BE VENTILATED
 1429 SQ FT DIVIDED BY 300 SQ FT = 6.43 SQ FT TOTAL VENTILATION REQUIRED.
 CONVERT TO SQ IN: 6.43 SQ FT X 144 = 925.42 SQ IN.
 925.42 SQ IN. DIVIDED INTO = 555.55 IN. AT SOFFITS AND 370.36 IN. AT RIDGE VENTS OR OFF RIDGE VENTS SEPERATE OR COMBINED.
 (COBRA RIDGE VENT 3 FL#267 R17) PROVIDES 18 SQ IN. PER LINEAL FT OF NET FREE VENTALATING AREA
 (TAMCO 4" ROUND OFF RIDGE VENT FL#-16418-R3 PROVIDES 138 SQ IN. PER OFF RIDGE VENT.

370.36 SQ IN. TOTAL UPPER ROOF VENTILATION /144.00 SQ IN SUPPLIED IN UPPER ROOF
 TAMCO 4" ROUND OFF RIDGE VENT 138 SQ IN PER VENT = 3 REQUIRED = 414.00 SQ IN

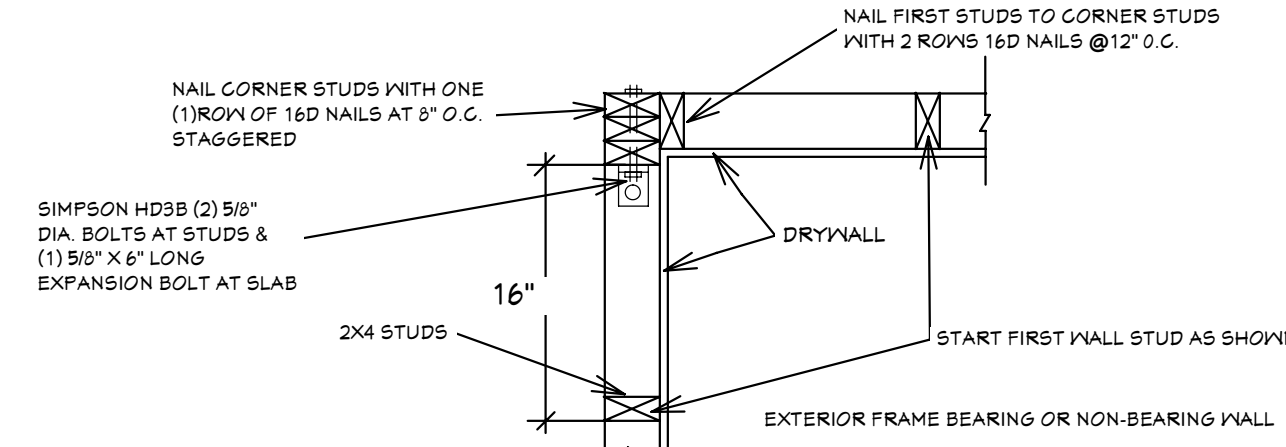
TOTAL OF VENTED SOFFIT REQUIRED = 555.55 SQ IN.
 164.12 SQ IN VENTED SOFFIT SUPPLIED MEETS THE REQUIREMENTS.
 FL # 16503 2 KAYCAN LTD VINYL SOFFIT 12" TRIPPLE 4 FULL O VENT ECO (NO. 0694)
 4.18 SQ IN NET FREE AREA PER LINEAL FT

TOP PLATE SPLICES SHALL BE LAPPED A MINIMUM OF 4FT. LAP SPLICES SHALL BE CONNECTED WITH 14 EACH 16d NAILS MINIMUM



TOP PLATE SPLICE DETAIL

NTS



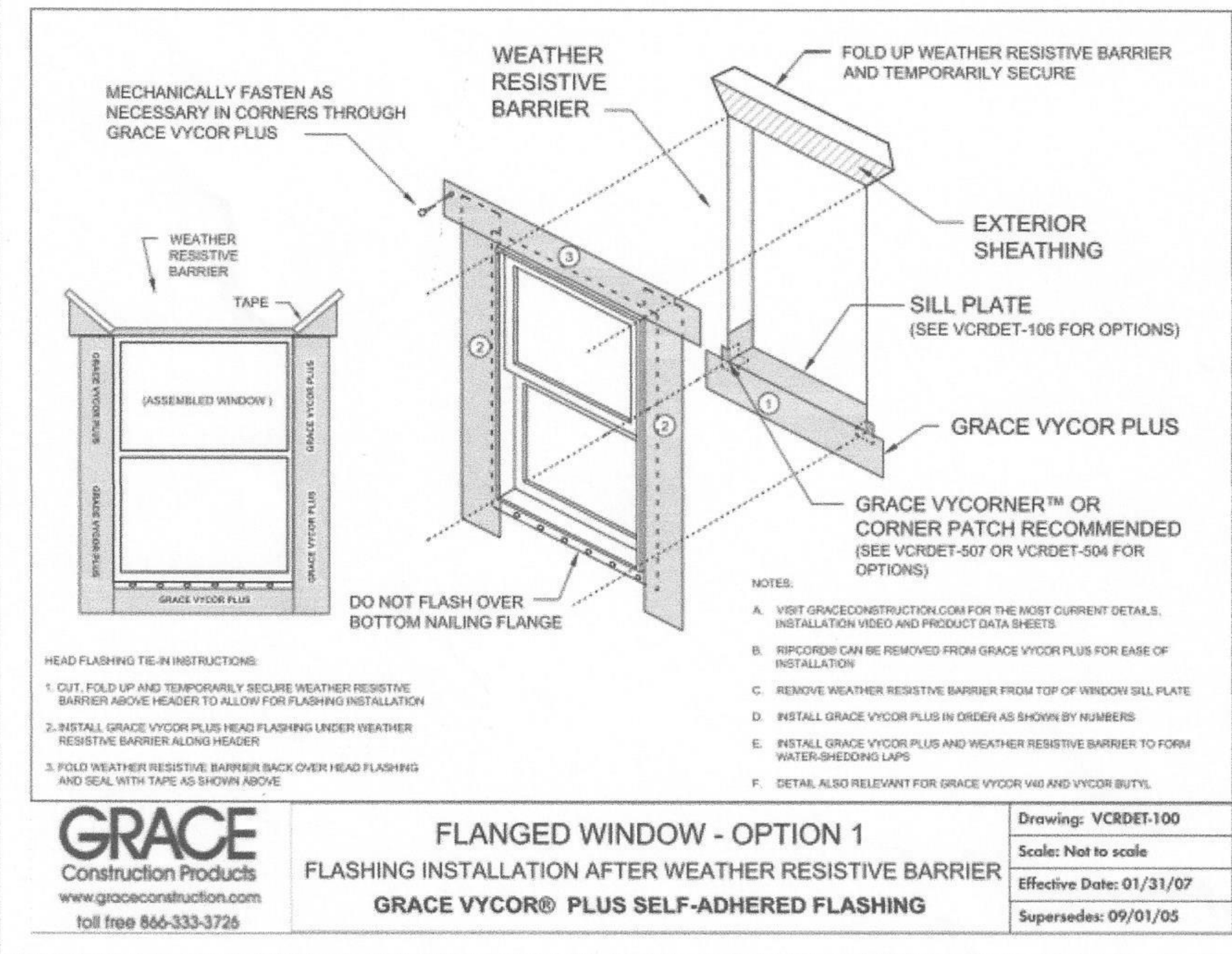
FRAME WALLS INTERSECTION DETAIL

SCALE: 1"=1'0"

R703.4 Flashing.

Approved metal flashing, vinyl flashing, self-adhered membranes and mechanically attached flexible flashing shall be applied shingle-fashion or in accordance with the manufacturer's instructions. Metal flashing shall be corrosion resistant. Fluid-applied membranes used as flashing shall be applied in accordance with the manufacturer's instructions. All flashing shall be applied in a manner to prevent the entry of water into the wall cavity or penetration of water to the building structural framing components. Self-adhered membranes used as flashing shall comply with AAMA 711. All exterior fenestration products shall be sealed at the juncture with the building wall with a sealant complying with AAMA 800 or ASTM C920 Class 25 Grade NS or greater for proper joint expansion and contraction, ASTM C1281, AAMA 812, or other approved standard as appropriate for the type of sealant. Fluid-applied membranes used as flashing in exterior walls shall comply with AAMA 714. The flashing shall extend to the surface of the exterior wall finish. Approved flashings shall be installed at the following locations:

- Exterior window and door openings. Flashing at exterior window and door openings shall extend to the surface of the exterior wall finish or to the water-resistive barrier complying with Section 703.2 for subsequent drainage. Mechanically attached flexible flashings shall comply with AAMA 712. Flashing at exterior window and door openings shall be installed in accordance with one or more of the following:
 - The fenestration manufacturer's installation and flashing instructions, or for applications not addressed in the fenestration manufacturer's instructions, in accordance with the flashing manufacturer's instructions. Where flashing instructions or details are not provided, 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 or protection at the head and sides.
 - In accordance with the flashing design or method of a registered design professional.
 - In accordance with other approved methods.
 - In accordance with FMA/AAMA 100, FMA/AAMA 200, FMA/WDMA 250, FMA/AAMA/WDMA 300 or FMA/AAMA/WDMA 400.
- At the intersection of chimneys or other masonry construction with frame or stucco walls, with projecting lips on both sides under stucco copings.
- Under and at the ends of masonry, wood or metal copings and sills.
- Continuously above all projecting wood trim.
- Where exterior porches, decks or stairs attach to a wall or floor assembly of wood-frame construction.
- At wall and roof intersections.
- At built-in gutters.



PAN FLASHING UNDER WINDOWS AND DOORS ON FRAME CONSTRUCTION COMPLY WITH AAMA-711 IF SELF ADHEARED MEMBRANES ARE USED AS FLASHING R703.4

GENERAL NOTES

- CONTRACTOR TO VERIFY ALL DIMENSIONS PRIOR TO START OF CONSTRUCTION DIMENSIONS TAKE PRECEDENCE OVER SCALED DIMENSIONS.
- MASONRY CONTRACTOR TO VERIFY MASONRY OPENING DIMENSIONS FOR ALL WINDOWS, SLIDING GLASS DOORS, & ENTRY DOORS AS SHOWN ON THESE PLANS WITH THE DOOR AND WINDOW MANUFACTURER PRIOR TO CONSTRUCTION.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO CHECK THESE PLANS FOR DIMENSIONAL ERRORS AND/OR OMISSIONS PRIOR TO CONSTRUCTION IF ANY ERRORS OR OMISSIONS EXIST IN THE DRAWINGS OR SPECIFICATIONS, THE CONTRACTOR SHALL NOTIFY HICKS DRAFTING & DESIGN IN WRITING WITHIN 10 DAYS OF RECEIPT OF PLANS, AND PRIOR TO ANY CONSTRUCTION. OR CONTRACTOR ASSUMES ALL THE RESPONSIBILITY FOR THE RESULTS AND ALL THE COSTS OF RECTIFYING THE SAME.
- HICKS DRAFTING & DESIGN DOES NOT ASSUME ANY RESPONSIBILITY FOR SUPERVISION OF CONSTRUCTION. CONTRACTOR TO ADHERE STRICTLY TO THE (11TH EDITION) OF THE 2020 FLORIDA RESIDENTIAL BUILDING CODE CHAPTER 3, AND SECTION 1609 OF THE (11TH EDITION) OF THE 2020 FLORIDA BUILDING CODE, TOGETHER WITH LOCAL AMENDMENTS, AND ALL OTHER APPLICABLE STATE, COUNTY, AND LOCAL STATUTES, ORDINANCES, REGULATIONS, AND RULES.

NOTE: MASTER PLANS

FEMA FLOOD ZONES CONSTRUCTION NEW CONSTRUCTION OF ANY RESIDENTIAL STRUCTURE SHALL HAVE THE LOWEST FLOOR OR CONCRETE SLAB INCLUDING GARAGE OR BASEMENT AND A/C UNIT AND ALL EQUIPMENT, ELEVATED TO FINISH FLOOR ELEV. OR ABOVE THE BASE FLOOD ELEVATION PLUS 1 FOOT. THIS SHALL APPLY TO HOUSES OR MANUFACTURED HOMES THAT ARE TO BE PLACED OR SUBSTANTIALLY IMPROVED ON SITES IN A NEW MANUFACTURED HOME PARK OR SUBDIVISION LCD CHAPTER 6, ARTICLE IV FLOOD HAZARD REDUCTION.

THIS RESIDENCE MAY NOT BE BUILT WITHIN 6'0" OF ANOTHER STRUCTURE OR 30" FROM ANY PROPERTY LINE PER SECTION R302.1(1) (INCLUDING OVERHANGS)

Quattrone & Associates, Inc.
 Engineers, Planners, & Development Consultants
 4301 Veronica Shoemaker Blvd. Fort Myers, FL 33916 (239) 936-5222 QALicet.net
 Certificate of Authorization Number: 9445
 AL QUATRONE P.E. # 52741

COMPLIANCE STATEMENT: DESIGNED BY A REGISTERED PROFESSIONAL ENGINEER AND THE DESIGN PARAMETERS FOR THE (11TH EDITION) OF THE 2020 FLORIDA RESIDENTIAL BUILDING CODE CHAPTER 3 IN GENERAL AND SECTION 1609 OF THE (11TH EDITION) OF THE 2020 FLORIDA BUILDING CODE.

REVISIONS:

05-10-2021
05-25-2021

HICKS DRAFTING & DESIGN
 603 MAPLE AVENUE N
 LEHIGH ACRES, FL 33472
 CELL: (239) 462-2734
 E-MAIL: DHICKS928@AOL.COM

BUILDER: HABITAT FOR HUMANITY
 4 BEDROOM 2 BATH HOME /160 MPH WIND LOADING

NEW HOUSE FOR:
 LOT- /BLOCK- /UNIT- /SECTION-
 TOWNSHIP- SOUTH/RANGE- EAST
 STRA#
 ADDRESS:
 ADDRESS:

DRAWN BY
 DAVID HICKS

DATE: 03-29-2021

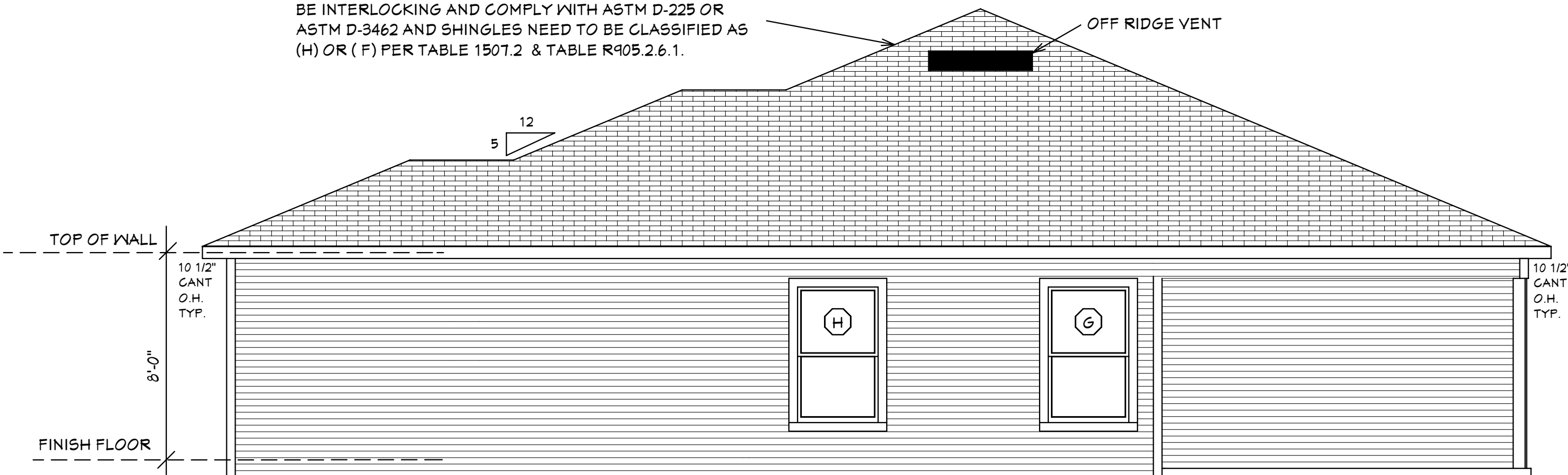
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JOB # 2021-053

SHEET
 7 OF 7 SHEET

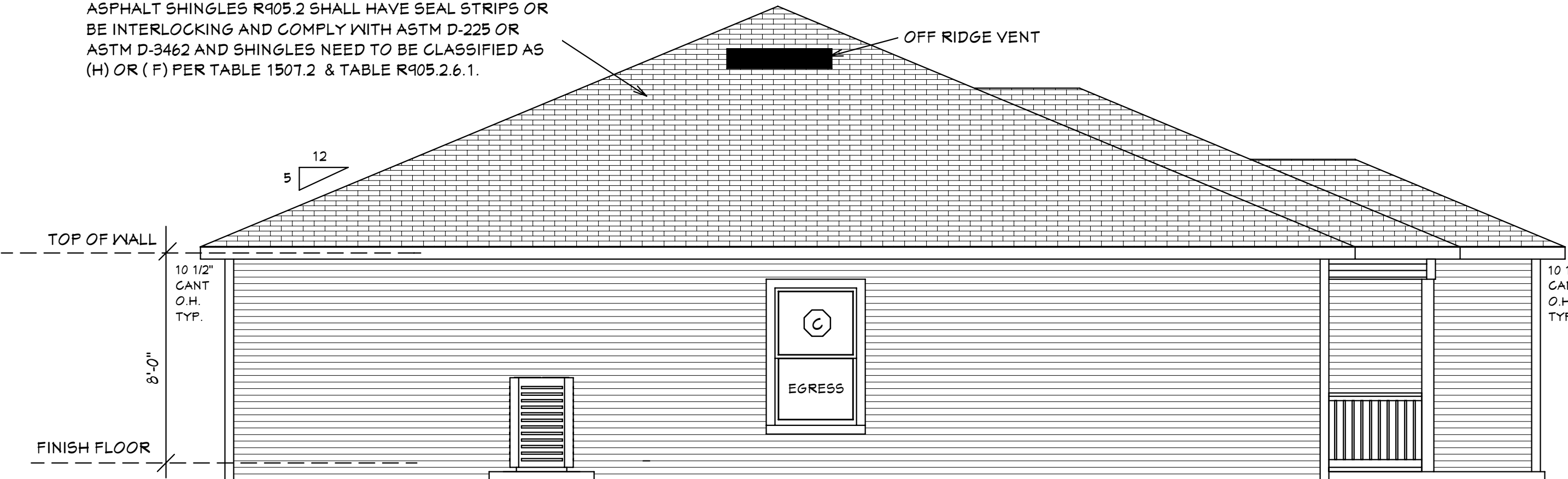
SUGAR PALM 2 4/21 MODEL / RIGHT HAND GARAGE / MONO FOOTER / 2020 CODE / 10 1/2" CANT

ASPHALT SHINGLES R905.2 SHALL HAVE SEAL STRIPS OR BE INTERLOCKING AND COMPLY WITH ASTM D-225 OR ASTM D-3462 AND SHINGLES NEED TO BE CLASSIFIED AS (H) OR (F) PER TABLE 1501.2 & TABLE R405.2.6.1.



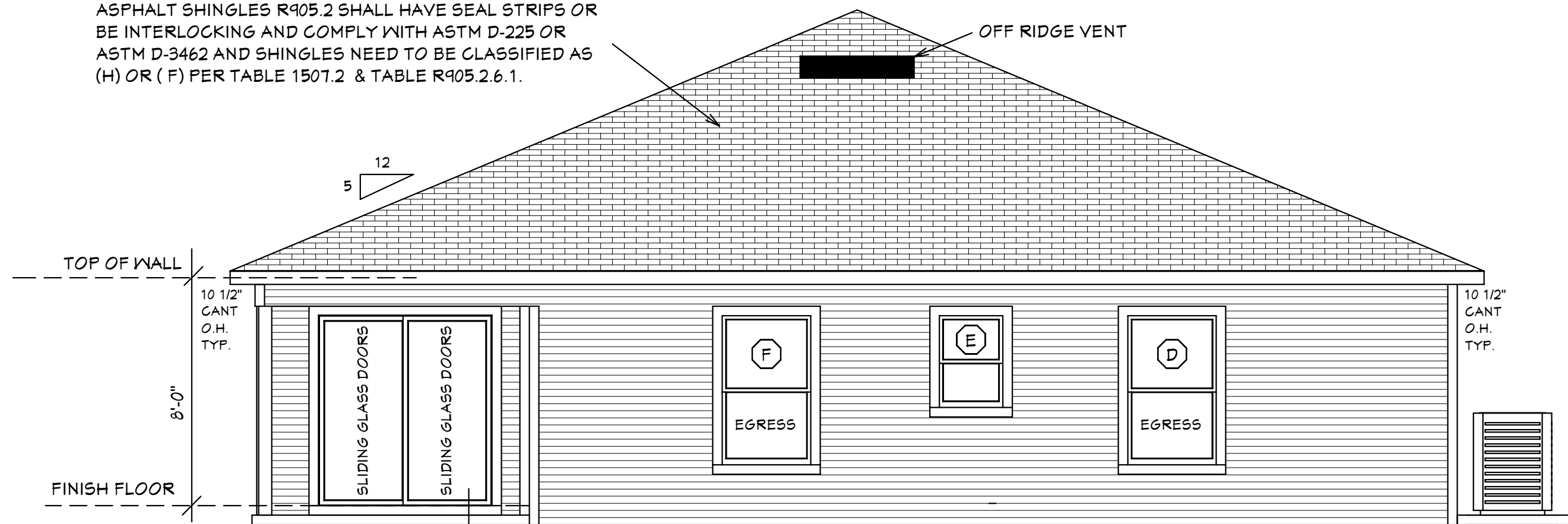
RIGHT SIDE ELEVATION
TOP OF ALL WINDOWS AND DOORS AT 6'-8" A.F.F. U.N.O. HORIZONTAL VINYL SIDING (TYPICAL AT ALL ELEVATIONS)

ASPHALT SHINGLES R905.2 SHALL HAVE SEAL STRIPS OR BE INTERLOCKING AND COMPLY WITH ASTM D-225 OR ASTM D-3462 AND SHINGLES NEED TO BE CLASSIFIED AS (H) OR (F) PER TABLE 1501.2 & TABLE R405.2.6.1.



LEFT SIDE ELEVATION
DECORATIVE NON-STRUCTURAL RAILING TOP OF ALL WINDOWS AND DOORS AT 6'-8" A.F.F. U.N.O. HORIZONTAL VINYL SIDING (TYPICAL AT ALL ELEVATIONS)

ASPHALT SHINGLES R905.2 SHALL HAVE SEAL STRIPS OR BE INTERLOCKING AND COMPLY WITH ASTM D-225 OR ASTM D-3462 AND SHINGLES NEED TO BE CLASSIFIED AS (H) OR (F) PER TABLE 1501.2 & TABLE R405.2.6.1.



BACK ELEVATION
TOP OF ALL WINDOWS AND DOORS AT 6'-8" A.F.F. U.N.O. HORIZONTAL VINYL SIDING (TYPICAL AT ALL ELEVATIONS)

ASPHALT SHINGLES R905.2 SHALL HAVE SEAL STRIPS OR BE INTERLOCKING AND COMPLY WITH ASTM D-225 OR ASTM D-3462 AND SHINGLES NEED TO BE CLASSIFIED AS (H) OR (F) PER TABLE 1501.2 & TABLE R405.2.6.1.



FRONT ELEVATION
TOP OF GARAGE DOOR AT 7'0" TALL U.N.O. DECORATIVE NON-STRUCTURAL RAILING TOP OF ALL WINDOWS AND DOORS AT 6'-8" A.F.F. U.N.O. HORIZONTAL VINYL SIDING (TYPICAL AT ALL ELEVATIONS)

EXTERIOR ELEVATIONS

DESIGN PARAMETERS:

APPLICABLE CODES:
BUILDING CODE = (11TH EDITION) OF THE 2020 FLORIDA RESIDENTIAL BUILDING CODE, BUILDING 2020
MECHANICAL CODE = (11TH EDITION) OF THE 2020 FLORIDA RESIDENTIAL BUILDING CODE, MECHANICAL 2020
PLUMBING CODE = (11TH EDITION) OF THE 2020 FLORIDA RESIDENTIAL BUILDING CODE, PLUMBING 2020
ELECTRICAL CODE = NEC 2017
FLORIDA FIRE PREVENTION CODE = 11TH EDITION
LIFE SAFETY CODE = NFPA 101
ACCESSIBILITY CODE = (11TH EDITION) OF THE 2020 FLORIDA RESIDENTIAL BUILDING CODE, BUILDING 2020
ENERGY CODE = (11TH EDITION) OF THE 2020 FLORIDA RESIDENTIAL BUILDING CODE, BUILDING 2020
METHOD OF DESIGN:
DESIGNED PURSUANT TO (11TH EDITION) OF THE 2020 FLORIDA RESIDENTIAL BUILDING CODE, BUILDING 2020, CHAPTER 3 AND SECTION 1604 OF THE (11TH EDITION) OF THE 2020 FLORIDA BUILDING CODE

BASIC WIND SPEED:
 160 MPH (ULTIMATE DESIGN) = 124 MPH (NOMINAL DESIGN)
 150 MPH (ULTIMATE DESIGN) = 116 MPH (NOMINAL DESIGN)

IMPORTANCE FACTOR/COMPONENTS AND CLADDING:
 0.77 (RISK CATEGORY I) 1.15 (RISK CATEGORY III)
 1.00 (RISK CATEGORY II) 1.15 (RISK CATEGORY IV)

BUILDING OCCUPANCY CLASSIFICATION:
 GROUP A - ASSEMBLY GROUP H - HAZARDOUS
 GROUP B - BUSINESS GROUP I - INSTITUTIONAL
 GROUP D - DAY CARE CENTER GROUP M - MERCANTILE
 GROUP E - EDUCATIONAL GROUP R - RESIDENTIAL
 GROUP F - FACTORY INDUSTRIAL GROUP S - STORAGE

BUILDING CONSTRUCTION TYPE:
 TYPE I TYPE IV
 TYPE II TYPE V
 TYPE III

EXPOSURE CATEGORY:
 A C
 B D

WINDBORNE DEBRIS REGION:
 NO
 YES

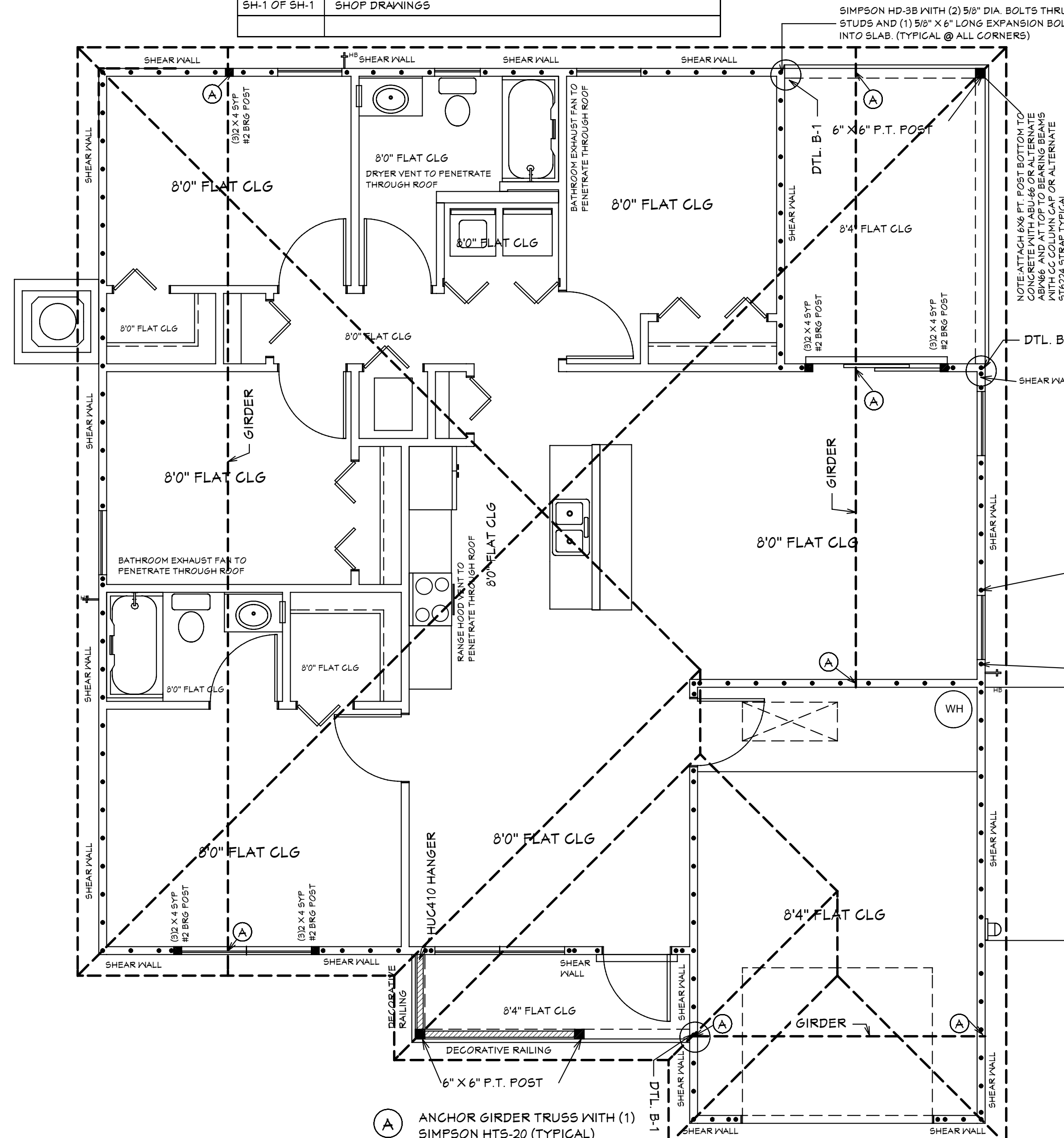
INTERNAL PRESSURE COEFFICIENTS:
 0.00 (OPEN)
 +0.18, -0.18 (ENCLOSED)
 +0.55, -0.55, (PARTIALLY ENCLOSED)

DESIGN LOAD BEARING VALUE OF SOIL 2000 PSF

GENERAL NOTES
1. CONTRACTOR TO VERIFY ALL DIMENSIONS PRIOR TO START OF CONSTRUCTION. DIMENSIONS TAKE PRECEDENCE OVER SCALED DIMENSIONS.
2. MASONRY CONTRACTOR TO VERIFY MASONRY OPENING DIMENSIONS FOR ALL WINDOWS, SLIDING GLASS DOORS, & ENTRY DOORS AS SHOWN ON THESE PLANS WITH THE DOOR AND WINDOW MANUFACTURER PRIOR TO CONSTRUCTION.
3. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CHECK THESE PLANS FOR DIMENSIONAL ERRORS AND/OR OMISSIONS PRIOR TO CONSTRUCTION. IF ANY ERRORS OR OMISSIONS EXIST IN THE DRAWINGS OR SPECIFICATIONS, THE CONTRACTOR SHALL NOTIFY HICKS DRAFTING & DESIGN, WITHIN 10 DAYS OF RECEIPT OF PLANS AND PRIOR TO ANY CONSTRUCTION OR CONTRACTOR ASSUMES ALL THE RESPONSIBILITY FOR THE RESULTS AND ALL THE COSTS OF RECTIFYING THE SAME.
4. HICKS DRAFTING & DESIGN DOES NOT ASSUME ANY RESPONSIBILITY FOR SUPERVISION OF CONSTRUCTION. CONTRACTOR TO ADHERE STRICTLY TO THE (11TH EDITION) OF THE 2020 FLORIDA RESIDENTIAL BUILDING CODE, CHAPTER 3, AND SECTION 1604 OF THE (11TH EDITION) OF THE 2020 FLORIDA BUILDING CODE TOGETHER WITH LOCAL AMENDMENTS, AND ALL OTHER APPLICABLE STATE, COUNTY, AND LOCAL STATUTES, ORDINANCES, REGULATIONS, AND RULES.

NOTE: MASTER PLANS
FEMA FLOOD ZONES CONSTRUCTION
NEW CONSTRUCTION OF ANY RESIDENTIAL STRUCTURE SHALL HAVE THE LOWEST FLOOR OR CONCRETE SLAB, INCLUDING GARAGE OR BASEMENT AND A/C UNIT AND ALL EQUIPMENT, ELEVATED TO FINISH FLOOR ELEV. OR ABOVE THE BASE FLOOD ELEVATION PLUS 1 FOOT. THIS SHALL APPLY TO HOUSES OR MANUFACTURED HOMES THAT ARE TO BE PLACED OR SUBSTANTIALLY IMPROVED ON SITES IN A NEW MANUFACTURED HOME PARK OR SUBDIVISION LCD CHAPTER 6, ARTICLE IV FLOOD HAZARD REDUCTION.
THIS RESIDENCE MAY NOT BE BUILT WITHIN 6'-0" OF ANOTHER STRUCTURE OR 3'-0" FROM ANY PROPERTY LINE PER SECTION R302.1(1) (INCLUDING OVERHANGS)

SHEET #	PLAN SCHEDULE
1 OF 7	EXTERIOR ELEVATIONS, ROOF PLANE PLAN, SECTIONS
2 OF 7	FOUNDATION PLAN, WALL SECTION, AND SECTIONS
3 OF 7	DIMENSIONAL FLOOR PLAN, SOFFIT DETAIL AND SECTIONS
4 OF 7	NOTED FLOOR PLAN, SCHEDULES, AND SECTIONS
5 OF 7	ELECTRICAL PLAN, ELECTRICAL SCHEDULE AND SECTIONS
6 OF 7	ENGINEERING NOTES AND SECTIONS
7 OF 7	FLASHING DETAILS, SECTIONS
1A OF 7	ALTERNATE EXTERIOR ELEVATIONS, ROOF PLANE PLAN, SECTIONS
SH-1 OF SH-1	SHOP DRAWINGS



- (A) ANCHOR GIRDER TRUSS WITH (1) SIMPSON HTS-20 (TYPICAL)
- (B) ANCHOR GIRDER TRUSS WITH (2) SIMPSON HTS-20 (TYPICAL)
- NOTE: ATTACH 6X6 PT. POST BOTTOM TO CONCRETE WITH ABU-66 OR ALTERNATE ABU-66 AND AT TOP TO BEARING BEAMS WITH CC COLUMN CAP OR ALTERNATE ST6224 STRAP TYPICAL.
- 36" HIGH DEC VINYL RAILING NON GUARDRAIL. OPENING WILL RESIST 4" SPHERE. ATTACH PER MANUFACTURER'S SPECIFICATIONS.
- 5/12 PITCH ROOF
2X4 TOP CHORD
10 1/2" CANT PLUMB OVERHANG
TRUSS BEARING AT 8'-0" ELEV. A.F.F. TYPICAL
160 MPH WIND LOAD
40 LBS LOADING/ASPHALT SHINGLES

ROOF PLANE PLAN

NOTE: ALL EXTERIOR WALLS ARE 3 1/2" WIDE WOOD WALLS WITH 1/2" PLYWOOD EXTERIOR AND 1/2" DRYWALL INSIDE (4 1/2" TOTAL) UNLESS NOTED DIFFERENT.
NOTE: ALL INTERIOR WALLS ARE 4 1/2" AND 6 1/2" WIDE WOOD WALLS. UNLESS NOTED DIFFERENT.
CONTRACTOR IS RESPONSIBLE FOR VERIFYING ROUGH FINISHES AND SIZES OF ALL DOORS AND WINDOWS BEFORE STARTING CONSTRUCTION.

Quattrone & Associates, Inc.
Engineers, Planners, & Development Consultants
4301 Veronica Shoemaker Blvd., Fort Myers, FL 33916 (239) 936-5222 QALic.net
AL QUATTRONE P.E. # 52741
COMPLIANCE STATEMENT: DESIGNED BY A REGISTERED PROFESSIONAL ENGINEER AND THE DESIGN PARAMETERS FOR THE (11TH EDITION) OF THE 2020 FLORIDA RESIDENTIAL BUILDING CODE, CHAPTER 3 IN GENERAL AND SECTION 1604 OF THE (11TH EDITION) OF THE 2020 FLORIDA BUILDING CODE.

REVISIONS:

05-10-2021
05-25-2021

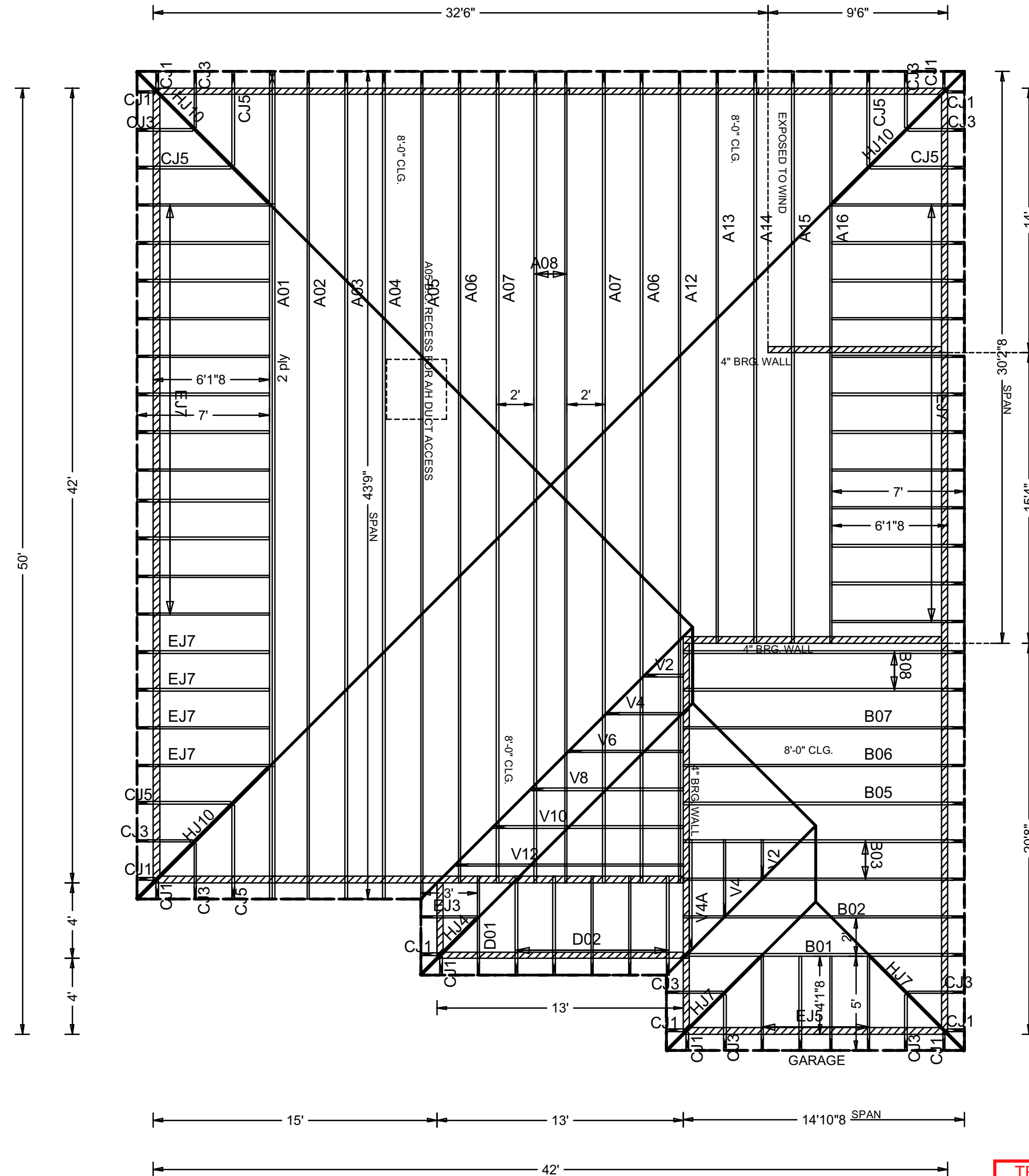
HICKS DRAFTING & DESIGN
603 MAPLE AVENUE N
LEHIGH ACRES, FL 33472
CELL: (239) 462-2734
E-MAIL: DHICKS928@AOL.COM

BUILDER: HABITAT FOR HUMANITY
4 BEDROOM 2 BATH HOME /160 MPH WIND LOADING
NEW HOUSE FOR:
LOT: /BLOCK: /UNIT: /SECTION-
TOWNSHIP: SOUTH/RANGE- EAST
STRAF#: ADDRESS:
ADDRESS:

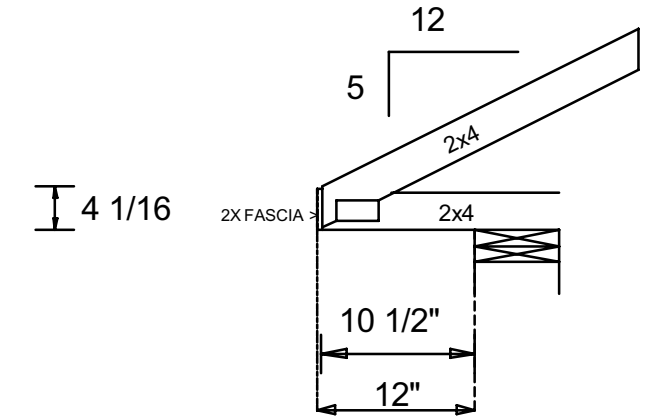
DRAWN BY
DAVID HICKS
DATE: 03-29-2021
SCALE: 1/4"=1'0"
JOB # 2021-053
SHEET
1A 7
OF SHEET

MASTER PLAN
SUGAR PALM 2 4/21 MODEL / RIGHT HAND GARAGE / MONO FOOTER / 2020 CODE / 10 1/2" CANT
05-25-2021 REVISIONS

NOTE: NO MECHANICAL EQUIPMENT LOADS IN OR HUNG FROM TRUSSES
ie: AIR HANDLERS OR WATER HEATERS



Typical End Special



Reactions Over 5000 Lbs and Uplifts Over 1000 Lbs are Listed on the Layout

Hanger Key

(A)=LUS24	(F)=HGUS28-3	(K)=SUL26
(C)=HUS28	(G)=GTWS3T	(L)=SUR26
(D)=HHUS28-2	(H)=THGBH3	(M)=HHUS46
(E)=HGUS28-2	(I)=THGBH4	(N)=THA422
	(J)=THJA26	

Truss - to - Truss Connection.
*** All Hangers are HUS26 Unless Otherwise Noted.

FBC 2020 7TH EDITION/ TPI 2014

MWFRS and COMPONENTS & CLADDING
Wind Load Type : **ASCE 7-16**
Building Type : **Enclosed**
Building Exposure : **B**
Usage : **Cat II Residential 1.0**
Bottom Chord Analyzed with 10 PSF Non-Concurrent Live Load and 20 PSF Concurrent Live Load on Trusses Designed with Storage as Specified on Layout See Shop Drawings for Specifics.

GRAVITY	WIND
TC LL 20 PSF	TC DL 5 PSF
TC DL 10 PSF	BC DL 5 PSF
BC DL 10 PSF	TOTAL 10 PSF
TOTAL 40 PSF	

DURATION= 1.25 WIND = 160 MPH

Spacing: 24" O.C. Unless Otherwise Noted.

Your Signature Will Acknowledge:

- 1) Authorization for FABRICATION.
- 2) Verification of ALL Dimensions, Conditions, and Trusses. Trusses will be made in STRICT accordance with this Placement Plan. It is YOUR responsibility to check this plan.
- 3) Erection of trusses per TPI Bulletin BCSI-B1
- 4) ALL permanent and temporary bracing, is CONTRACTOR'S responsibility.
- 5) Any Valleys or Ceiling drops NOT provided by Truss Plant are to be FIELD FILLED by Contractor.
- 6) Truss Plant supplies only TRUSS to TRUSS Connections.
- 7) NO back charges or crane charges of any kind will be accepted unless SPECIFICALLY AUTHORIZED in writing by Truss Plant Management.
- 8) Hip Jacks & Corner Jacks are DOUBLE beveled @ 45. Jacks requiring an angle other than this are to be cut in field by OTHERS.

Signed: _____
Date: _____
Return One Approved Placement Plan
Scheduling will NOT start until RETURNED!!

Revisions

#	Date	Remarks	Int.
1	08/01/2016	CHANGED ENTRY SPAN & LANAI	HBR
2	5/22/21	CHANGE DIMENSION AS PER MARKED LAYOUT AND CHANGE LOCATION OF BRG WALL SEE LAYOUT	JZ

Raymond Building Supply Corp

North Fort Myers
7751 Bayshore Rd.
N. Fort Myers, FL 33917
Tel (239) 731-8300
Fax (239) 731-0383

North Port
Tel (941) 429-1212

Naples
Tel (239) 348-7272

Job Information

RBS# : 18073013M1
Builder: HABITAT FOR HUMANITY
Owner: SUGAR PALM 4/2/1
County :
City :
Address :
Lot :
Block :
Sub :
Model : SUGAR PALM 4/2/1

Roof Covering: SHINGLE
Scale : 3/16" = 1'-0"
Date : December 10, 2020
Drawn By: Jaime Zavala

NOTE:
NO SEAT PLATES
REQUIRED

ALL BEARING HEIGHTS
ARE 8'-0" UNLESS OTHER-
WISE INDICATED.

STRUCTURAL FASCIA BY G.C.
AS REQ BY ENGINEERING

ALL LANAI'S AND ENTRIES ARE
DESIGNED PARTIALLY ENCLOSED

NOTE:
THERE ARE NO ROOF LOADS WHICH EXCEED 1000#
UPLIFT AND/OR 5000# GRAVITY ON THIS JOB.

TRUSS LIABILITY EXCLUSION NOTE
Quattrone and Associates, Inc. (QAI) did not prepare or design the truss plans attached to this file. The engineer of record on the truss plan is responsible for the truss engineering, reactions and uplifts. QAI is only referencing the truss plans for the purpose of designing the building structure. The contractor / owner is responsible for reviewing the truss plan to determine the design, details, dimensions, and the accuracy of the truss plans in accordance with the building design. QAI will not be liable for any errors in the truss design.

G/R