

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 Cribbett Date: 6/17/2021
RESMSTR2021-00176

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 2011
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 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:
 0.11 (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
 TYPE III

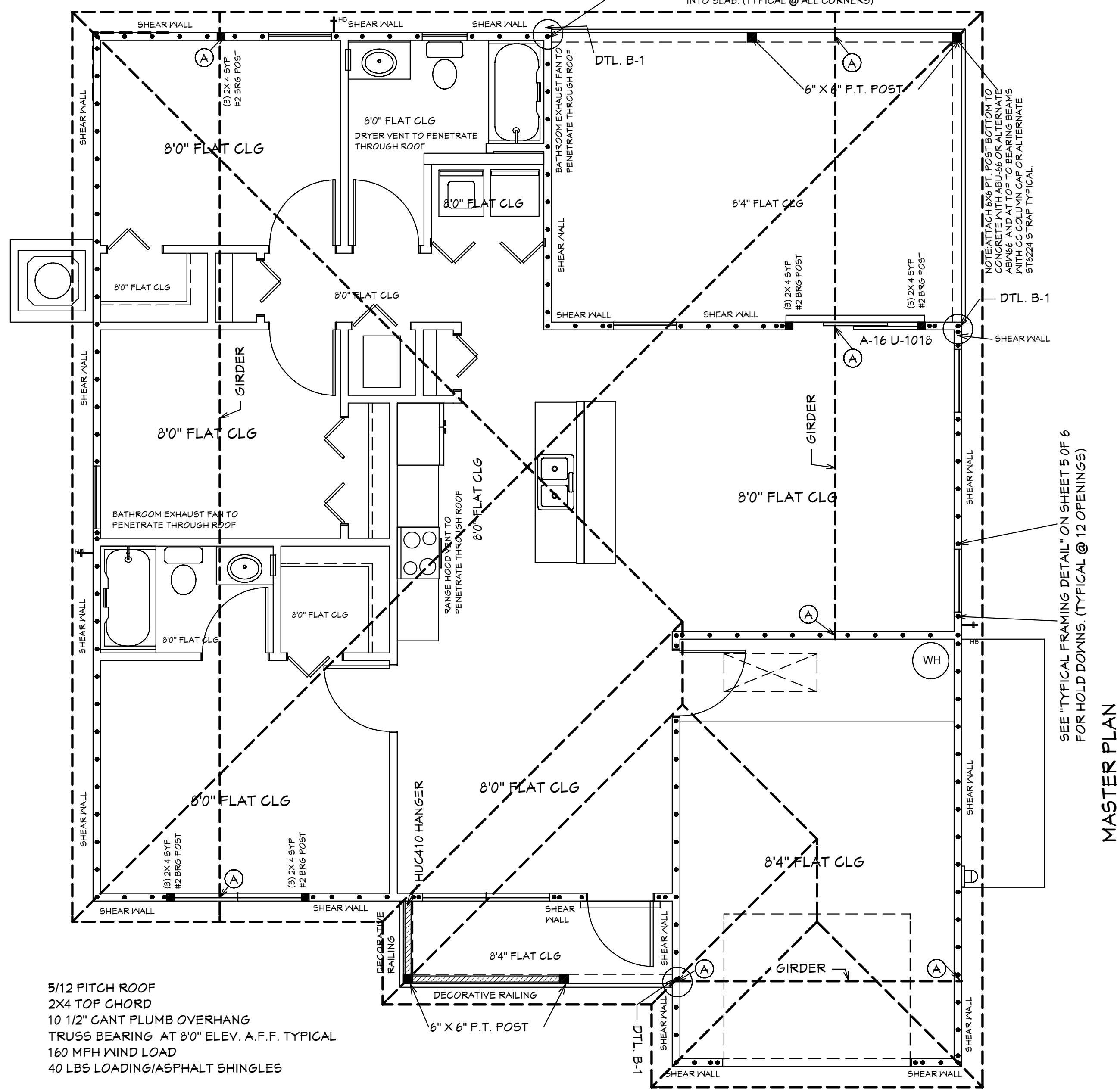
EXPOSURE CATEGORY:
 A C
 B D

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



ROOF PLANE PLAN

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 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, 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 P/WH 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 FLAGGED 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 IN GENERAL AND SECTION 1604 OF THE (11TH EDITION) OF THE 2020 FLORIDA BUILDING CODE.

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Certificate of Authorization Number: 065-AL QUATTORNE P.E. # 527412
065-25-2021

REVISIONS:

05-10-2021
05-25-2021

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603 MAPLE AVENUE N
LEHIGH ACRES, FL 33472
CELL: (234) 462-2734
E-MAIL: DHICKS928@AOL.COM

BUILDER: HABITAT FOR HUMANITY
3 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

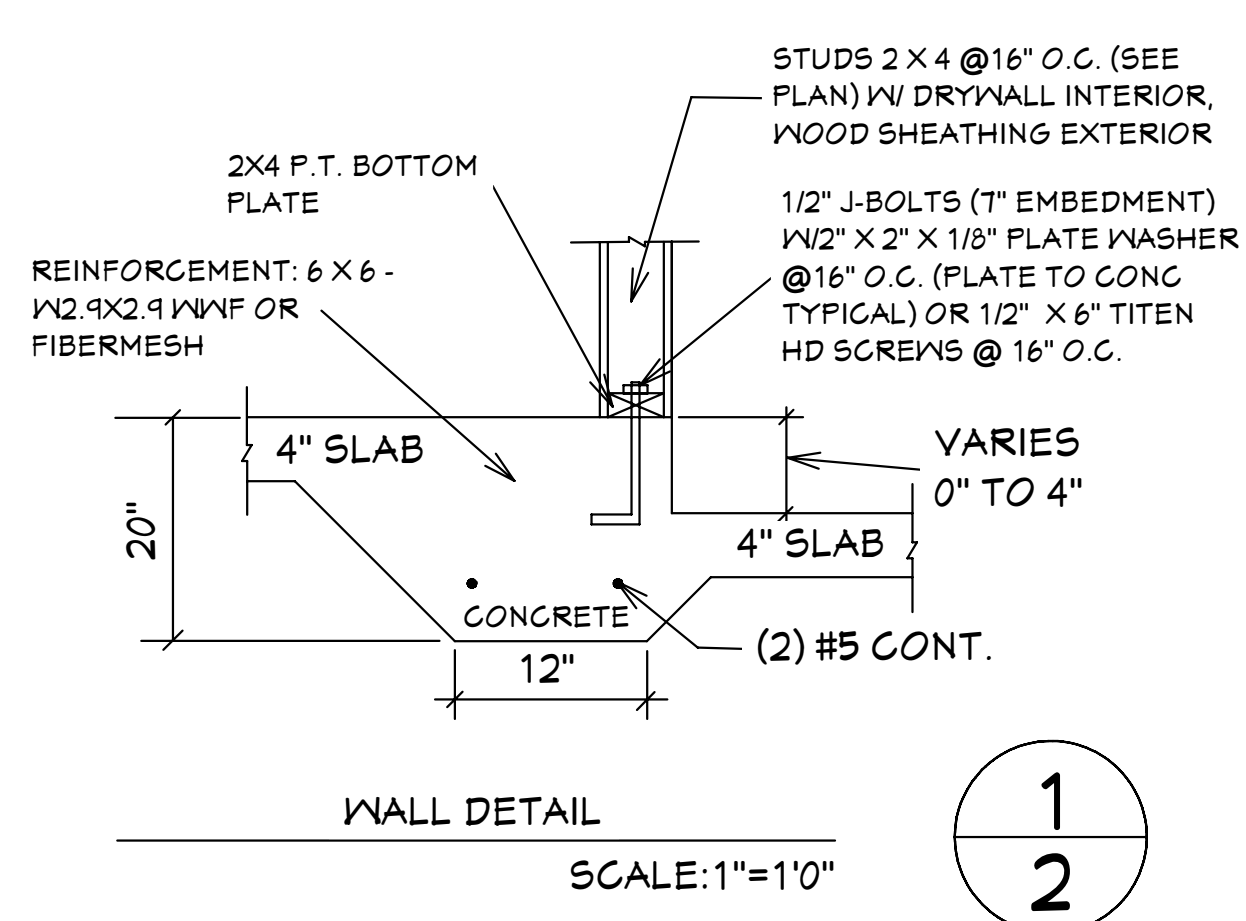
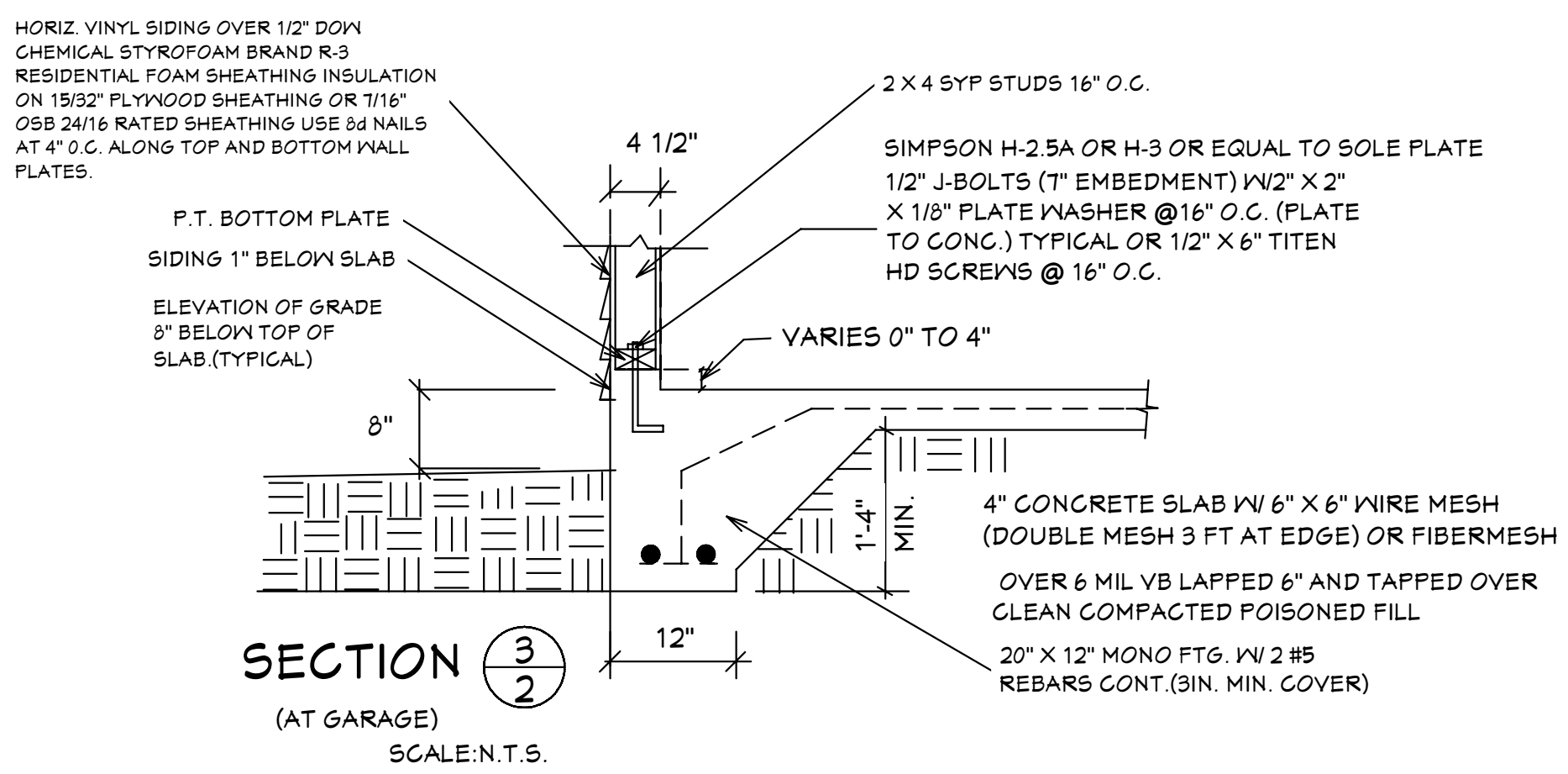
SCALE: 1/4"=1'-0"

JOB # 2021-055

SHEET

1 OF 7 SHEET

MASTER PLAN
SUGAR PALM 1 9/21 MODEL / RIGHT HAND GARAGE / MONO FOOTER / 2020 CODE / 10 1/2" CANT
05-25-2021 REVISIONS



GENERAL NOTES

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THIS RESIDENCE MAY NOT BE BUILT WITHIN 6'0\"/>

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 NEW HOUSE FOR: /UNIT- /SECTION-
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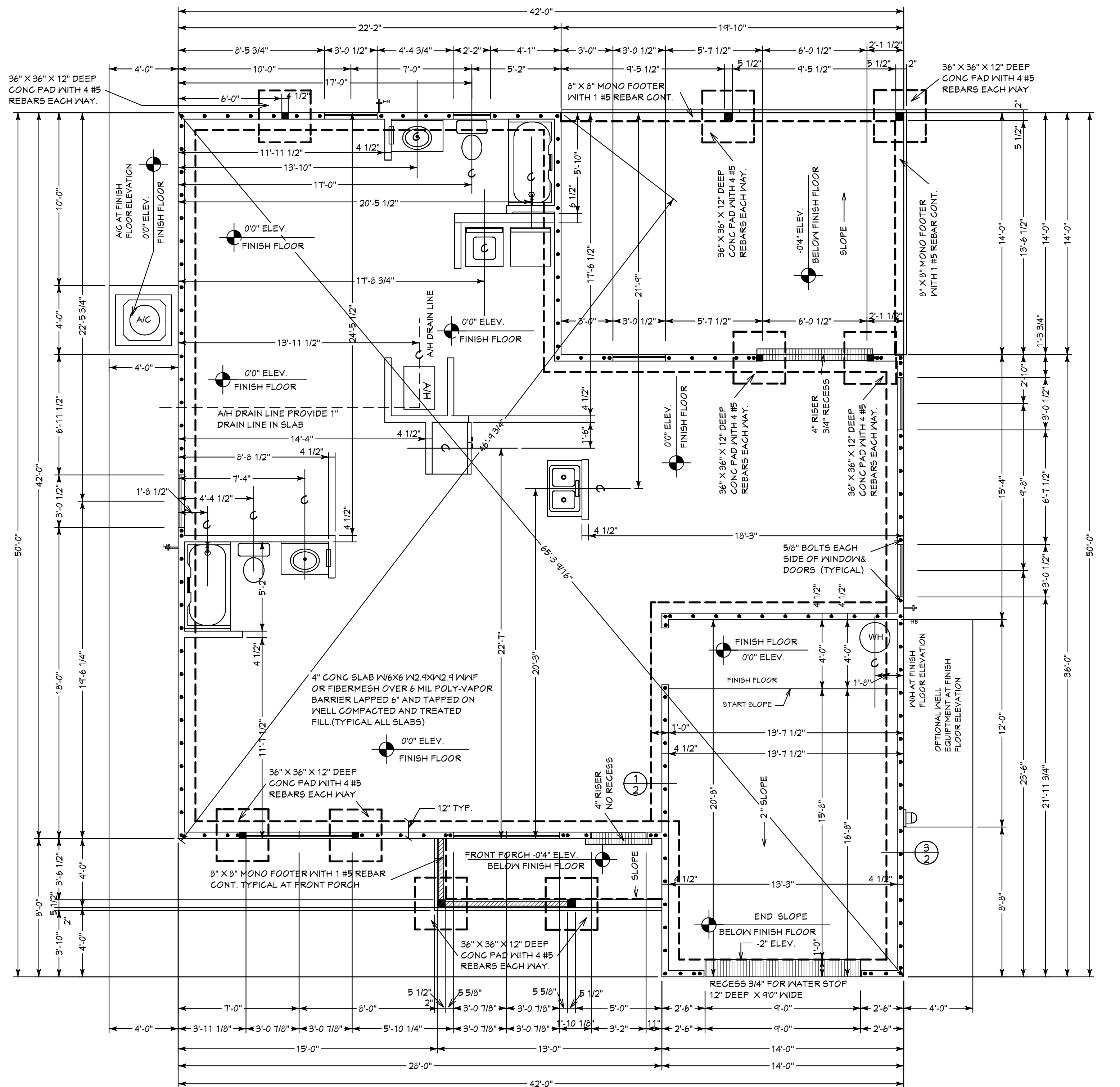
DRAWN BY
DAVID HICKS

DATE: 03-29-2021

SCALE: 1/4"=1'0"

JOB # 2021-055

SHEET
2 OF 7



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 MEETS REQUIREMENTS OF R905.1.1.1

Option #1 a self-adhering polymer-modified bitumen underlayment complying with ASTM D1970 applied over the entire roof.

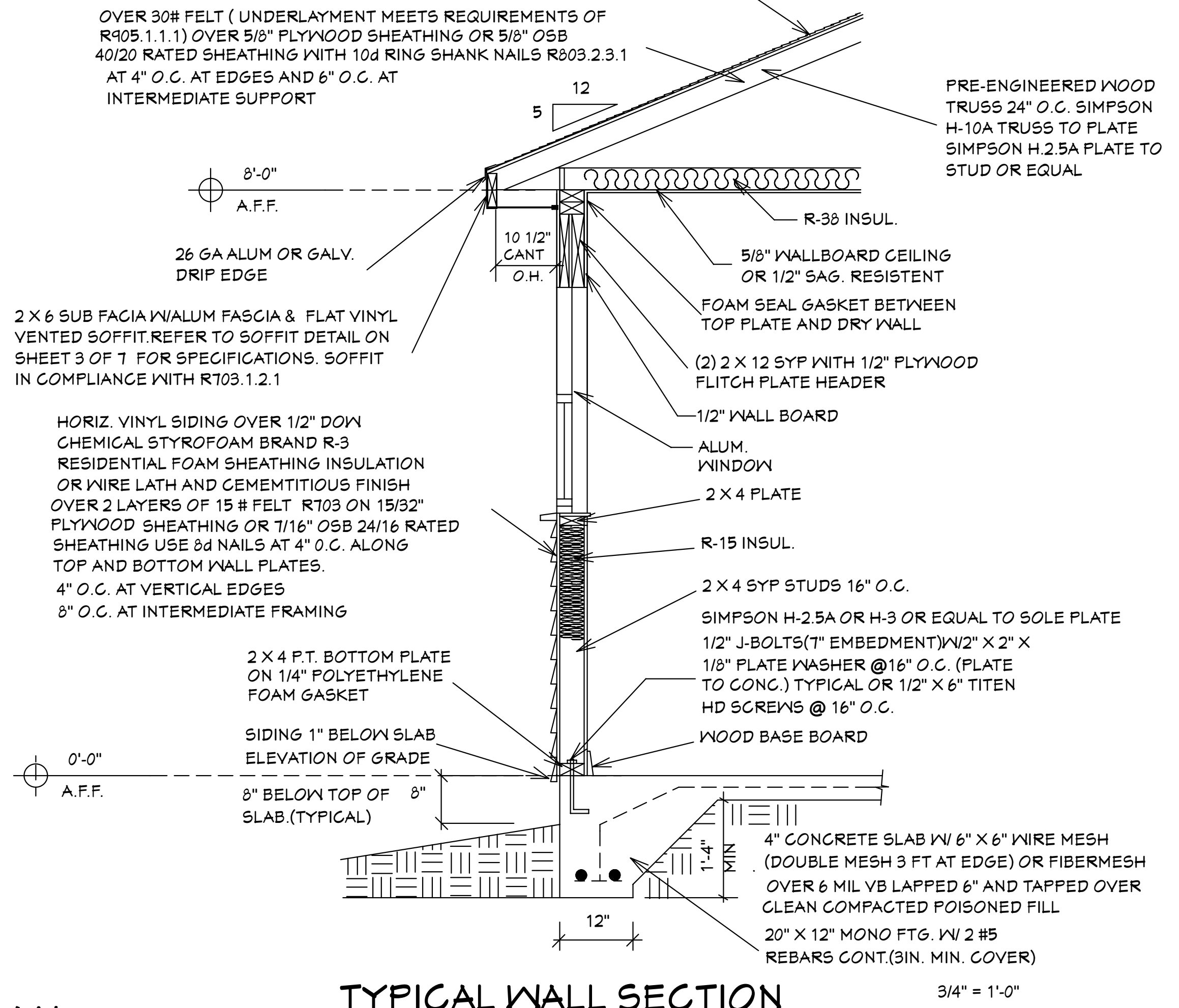
Option #2 a minimum 4-inch wide strip of self-adhering polymer-modified bitumen complying with ASTM D1970 or a minimum 3 3/4 inch wide strip of self-adhering flexible flashing tape complying with AAMA T11, applied over all joints in the roof decking. A felt underlayment complying with ASTM D226 Type 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\"/>



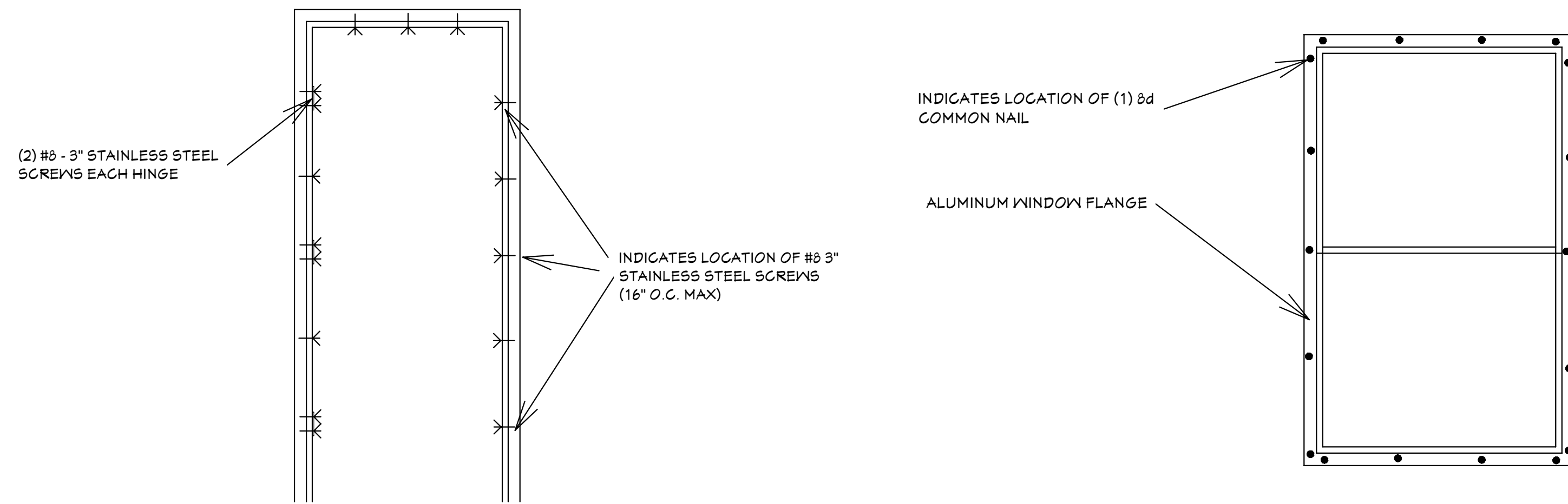
TYPICAL WALL SECTION 3/4" = 1'-0"

Reviewed for Code Compliance
 By: Glenn Cribbett Date: 6/17/2021
 RESMSTR2021-00176

FOUNDATION PLAN

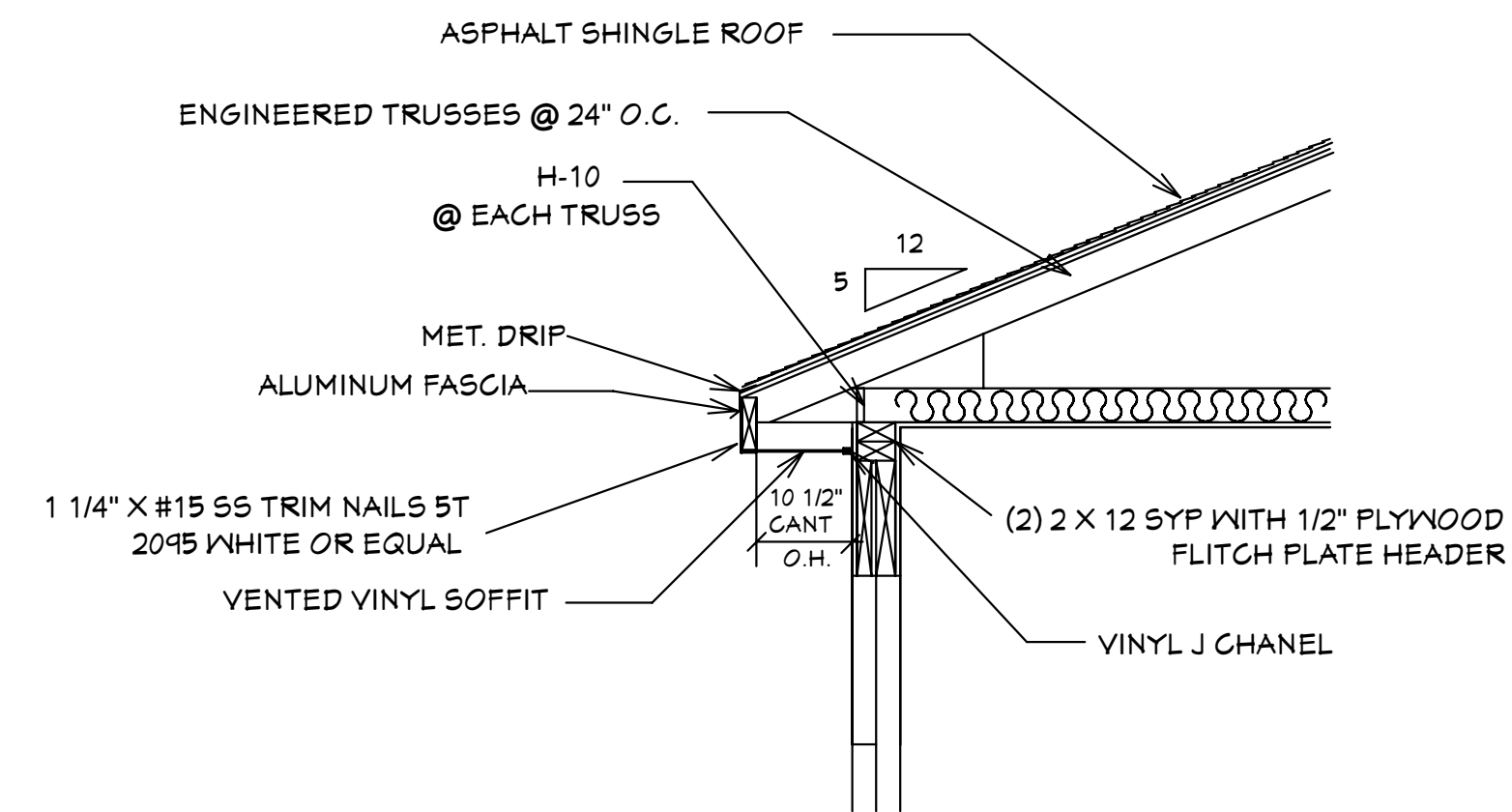
SUGAR PALM 1 3/21 MODEL / RIGHT HAND GARAGE / MONO FOOTER / 2020 CODE / 10 1/2\"/>

05-25-2021 REVISIONS



TYPICAL DOOR INSTALLATION DETAIL

TYPICAL WINDOW INSTALLATION DETAIL



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

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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)

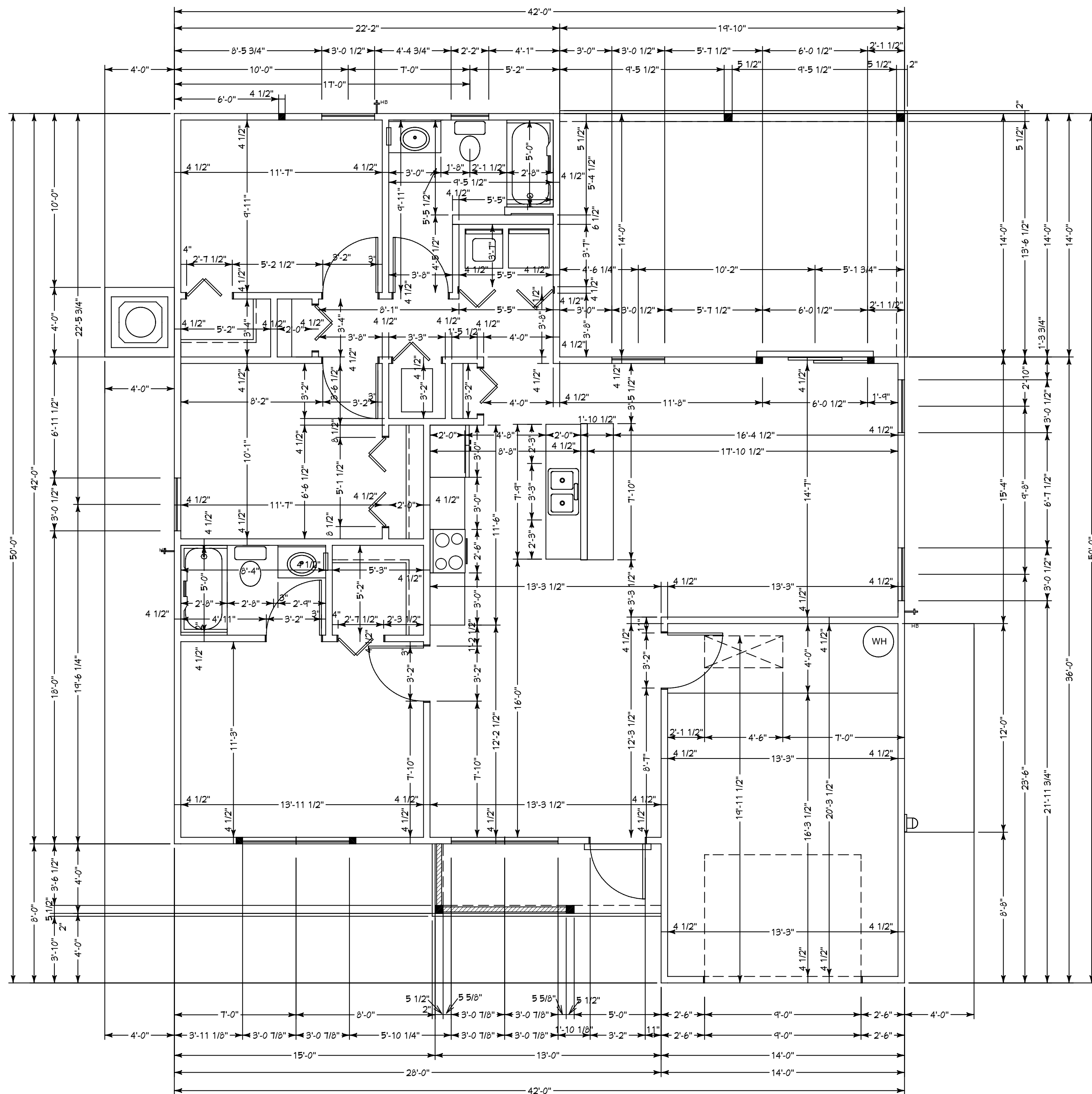
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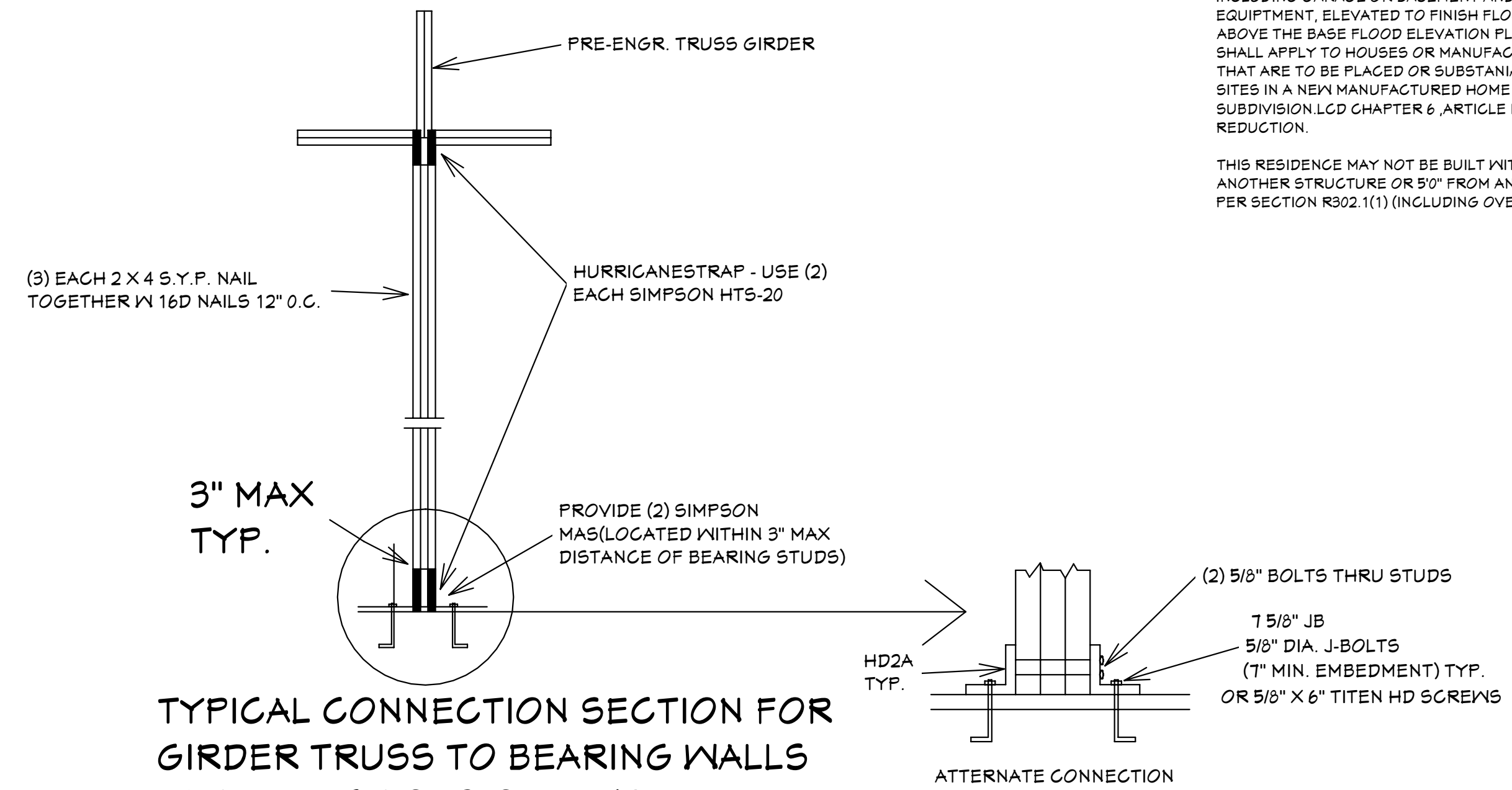
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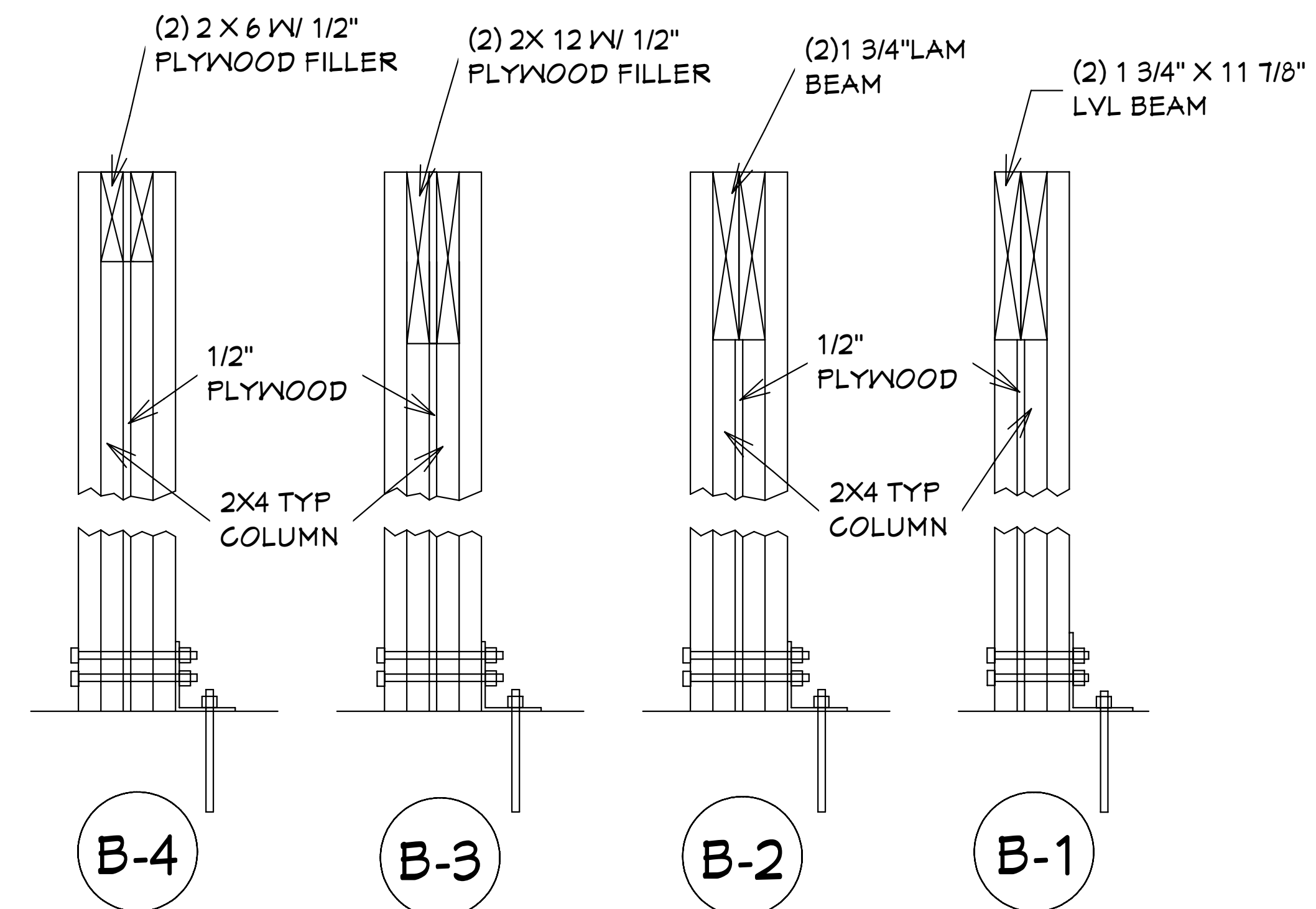


DIMENSIONAL FLOOR PLAN



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"

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By: Glenn Cribbett Date: 6/17/2021
RESMSTR2021-00176

SUGAR PALM 1 3/21 MODEL / RIGHT HAND GARAGE / MONO FOOTER / MONO CODE / 10 1/2" CANT

05-25-2021 REVISIONS

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

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

DRAWN BY
DAVID HICKS

DATE: 03-29-2021

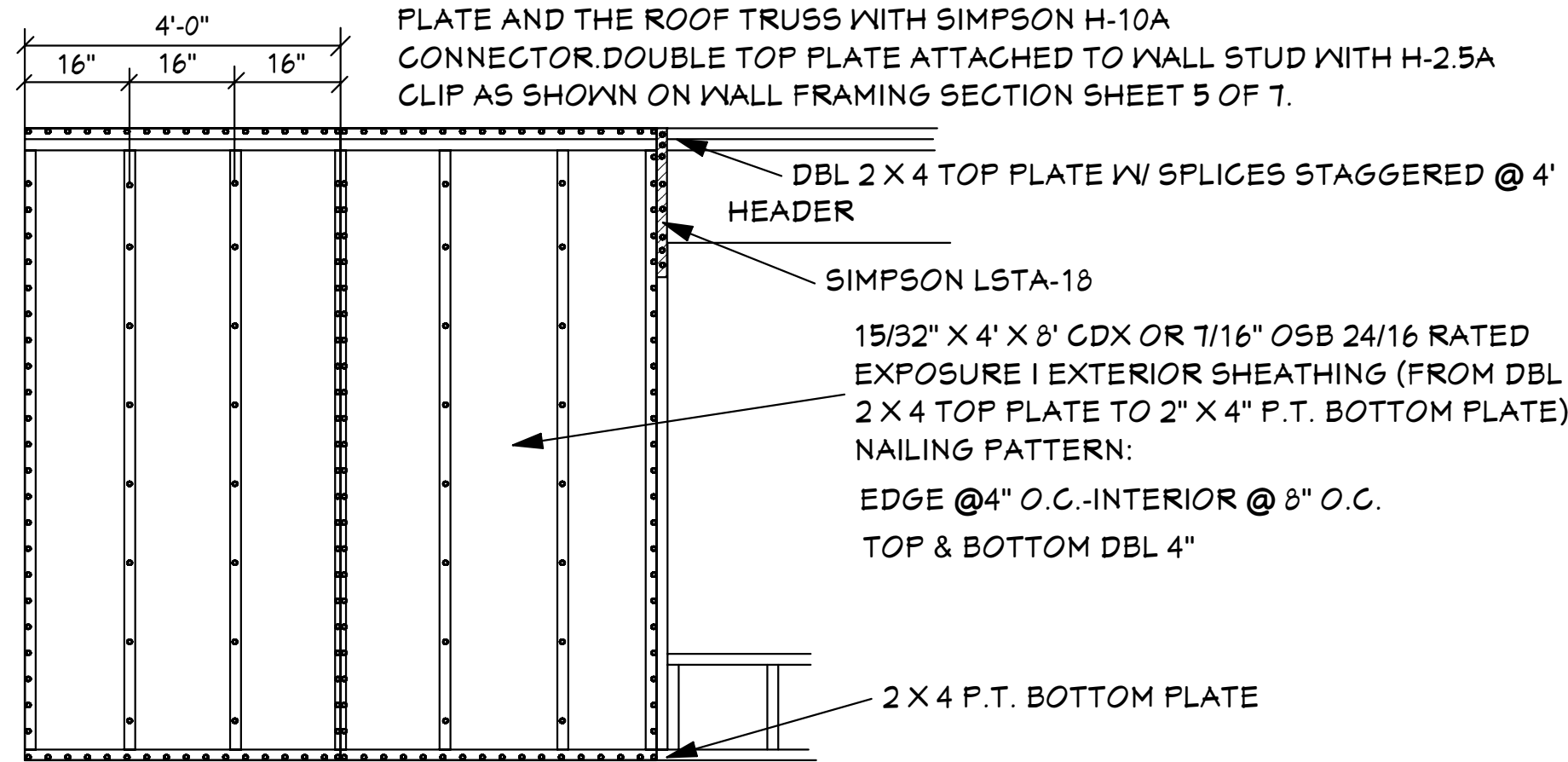
SCALE: 1/4" = 1'0"

JOB # 2021-055

SHEET

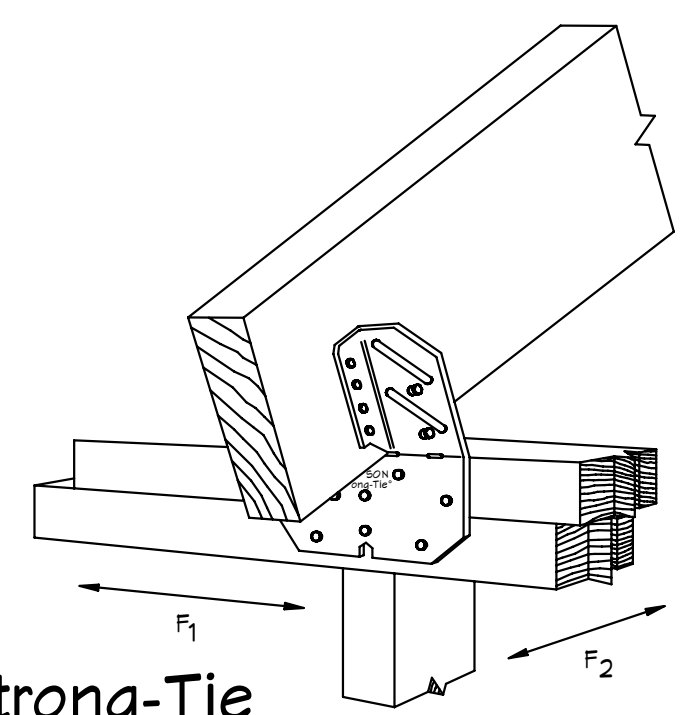
3 **7**
OF **SHEET**

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.



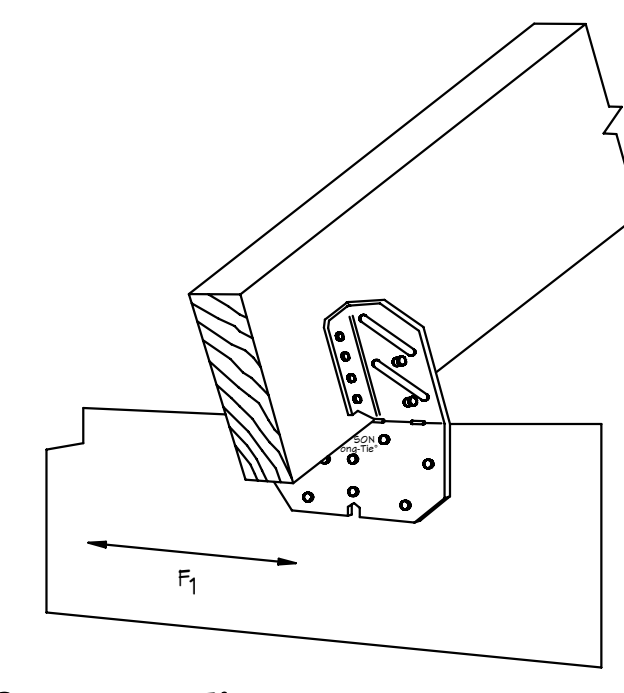
NOTE: ALL NAILING @ ALL SURFACES TO BE NAILED W/8d RING SHANK NAILS

Simpson Strong-Tie H10A HURRICANE CLIP @ EXT. BEARING WALL



1
4

Simpson Strong-Tie H10A HURRICANE CLIP @ EXT. BEARING WD. BEAM



2
4

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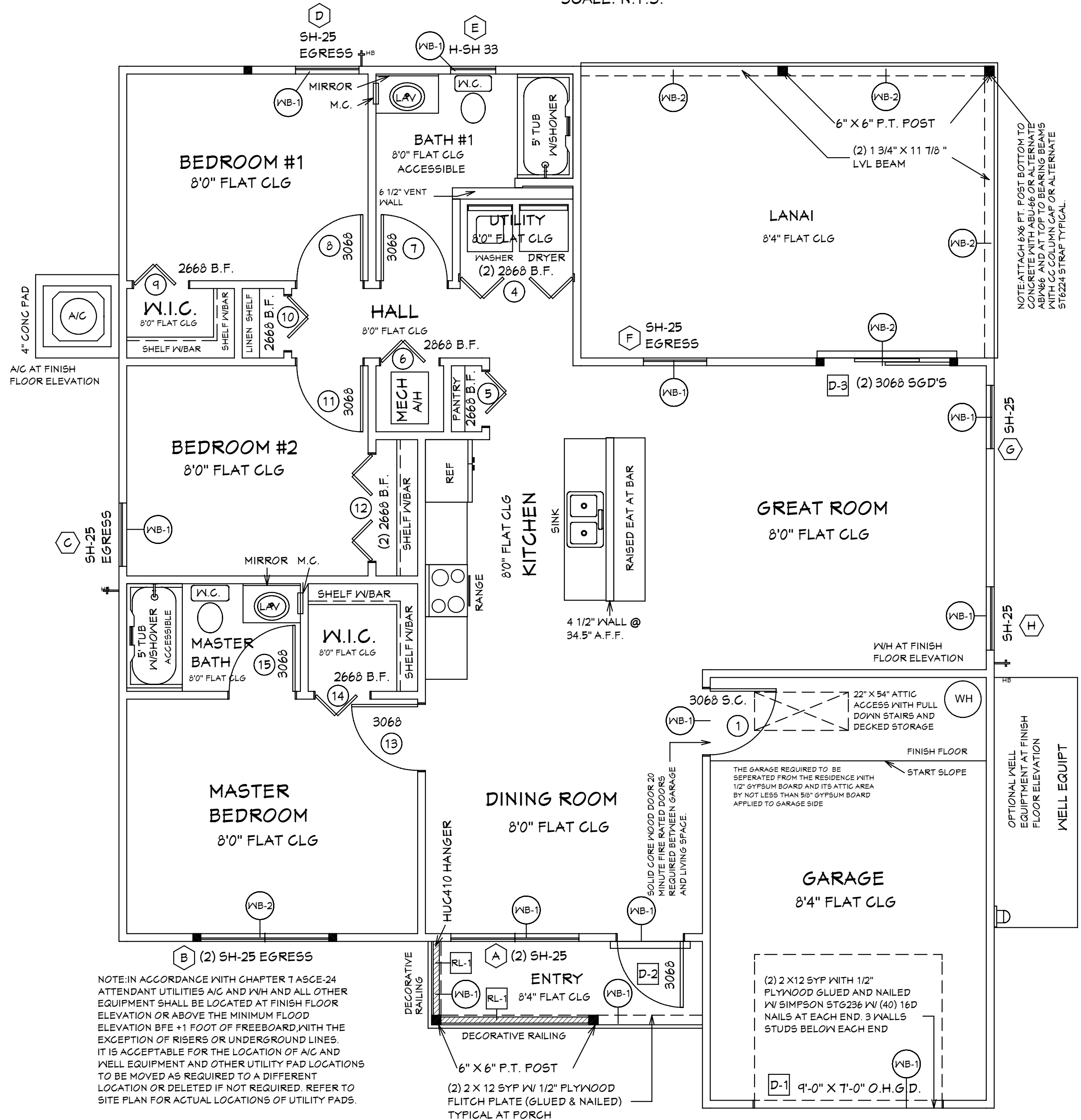
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05-25-2021

EXTERIOR WALL NAILING DETAIL

SCALE: N.T.S.



DOOR LEGEND

WIDTH	HEIGHT	PKT=POCKET
		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
		PKT

*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	3066			SOLID CORE
2	1	N/A	N/A		4 BEDROOM ONLY	
3	1	N/A	N/A		4 BEDROOM ONLY	
4	1	UTILITY	(2) 2666 B.F.			
5	1	PANTRY	2666 B.F.			
6	1	HALL	2666 B.F.			
7	1	BATH #1	3066			
8	1	BEDROOM#1	3066			
9	1	BEDROOM#1	2666 B.F.			
10	1	HALL	2666 B.F.			
11	1	BEDROOM#2	3066			
12	1	BEDROOM#2	(2) 2666 B.F.			
13	1	MASTER BED	3066			
14	1	MASTER W.I.C.	2666 B.F.			
15	1	MASTER BATH	3066			

AREA SCHEDULE

LIVING A/C	1314 SQ. FT.
ENTRY	52 SQ. FT.
GARAGE	285 SQ. FT.
LANAI	217 SQ. FT.
TOTAL	1928 SQ. FT.

PRODUCT SCHEDULE

ROOM NAME	MARK	CALL SIZE	W/O. DOOR SIZE		PER MFR.	QTY.	DESIGNATION	INSTALLATION NOTES (LIST BELOW)	WIND. BORNE DEBRIS RESIST. Y/N	TYPE OF WINDOW/DOOR DEBRIS PROTECTION (WHERE APPLICABLE)	IMPACT COVERING DESIGNATION / ENTITY (WHERE APPLICABLE)	
			W/O. WINDOW SIZE (WxH)	DETAIL H J S U Z								
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	3066 6 PNL	3'-2" X 6'-4 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) 3066 S.G.D.'S	6'-0" 1/2" X 6'-4 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	26-401-25-14	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	27-666-30-00	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	27-666-30-00	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	27-666-30-00	REFER TO PRODUCT APPROVAL SHEETS	2	Y	COVERING	HURRICANE PANELS REFER TO PRODUCT APPROVAL SHEETS	
GREAT ROOM	F	SH-25	36 1/2" X 62 3/4"	PER MFR.	4	27-666-30-00	REFER TO PRODUCT APPROVAL SHEETS		Y	COVERING	HURRICANE PANELS REFER TO PRODUCT APPROVAL SHEETS	
GREAT ROOM	G	SH-25	36 1/2" X 62 3/4"	PER MFR.	5	27-666-37-02	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	27-666-30-00	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.

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.

NOTE: ATTACH 6x6 PT. POST BOTTOM TO CONCRETE WITH ABU-66 OR ALTERNATE ABX166 AND AT TOP TO BEARING BEAMS WITH CC COLUMN CAP OR ALTERNATE ST6224 STRAP TYPICAL.

(2) 2 X 12 SYF WITH 1/2" PLYWOOD FLITCH PLATE, GLUED & NAILED

(2) 2 X 12 SYF WITH 1/2" PLYWOOD FLITCH PLATE, GLUED & NAILED

(2) 2 X 12 SYF WITH 1/2" PLYWOOD FLITCH PLATE, GLUED & NAILED

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

Reviewed for Code Compliance
 By: Glenn Cribbett Date: 6/17/2021
 RESMSTR2021-00176

NOTED FLOOR PLAN

SUGAR PALM 1 3/21 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
 3 BEDROOM 2 BATH HOME / 160 MPH WIND LOADING

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

DRAWN BY
 DAVID HICKS

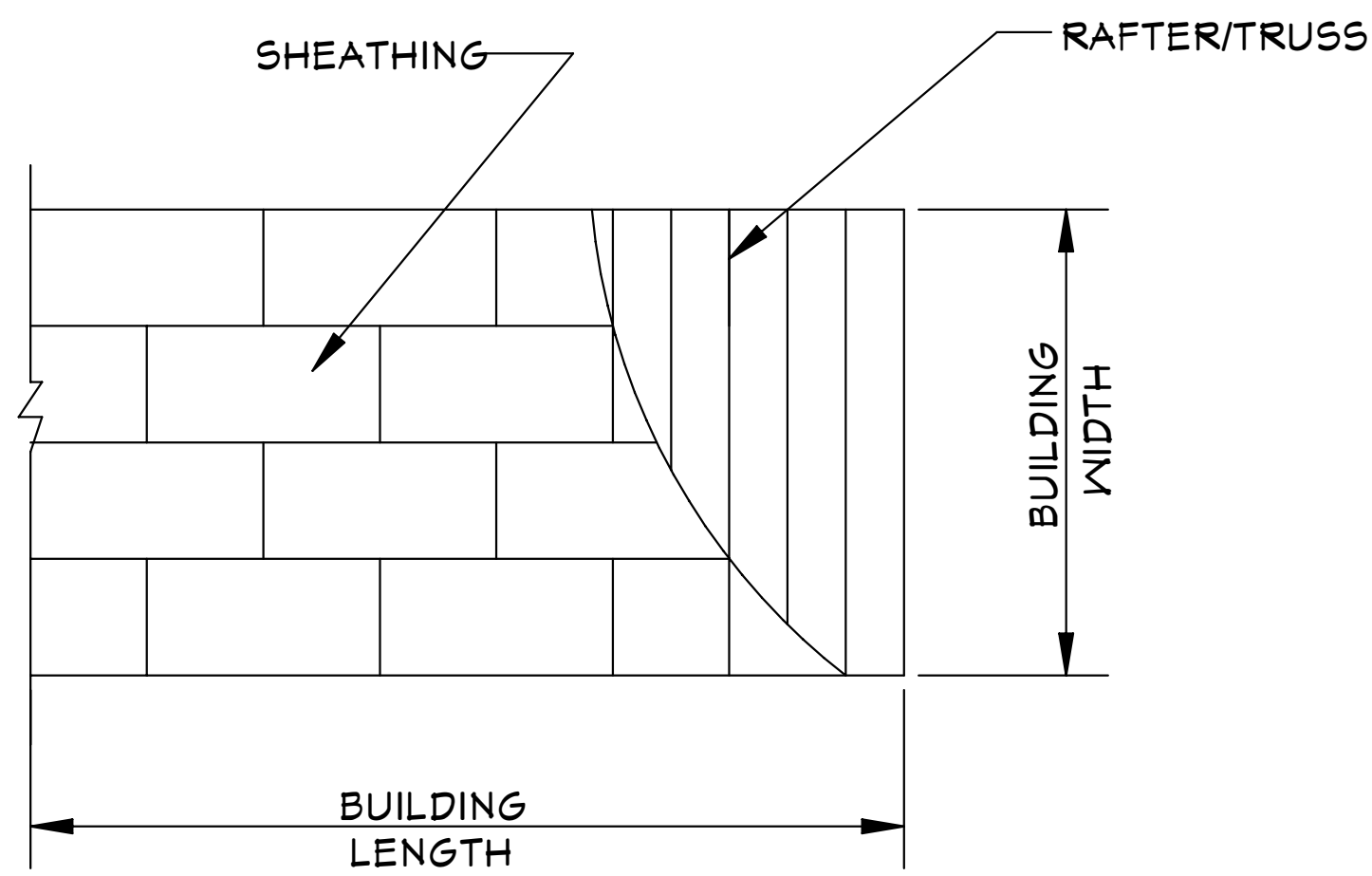
DATE: 03-29-2021

SCALE: 1/4"=1'0"

JOB # 2021-055

SHEET
 4 OF 7

05-25-2021 REVISIONS



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

ROOF SHEATHING LAYOUT FOR HIP ROOFS N.T.S.



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

GENERAL NOTES

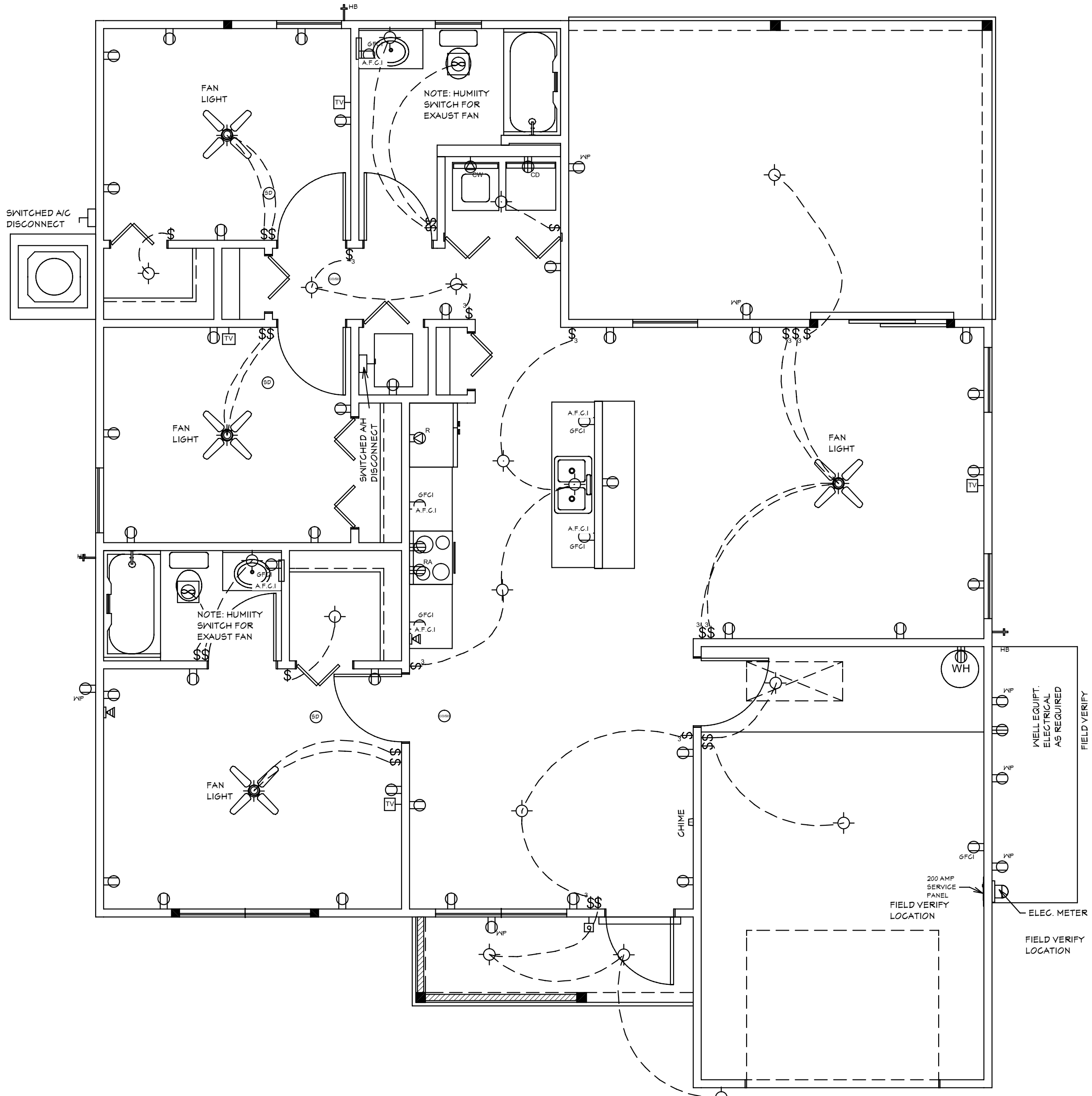
- CONTRACTOR TO VERIFY ALL DIMENSIONS PRIOR TO START OF CONSTRUCTION. DIMENSIONS TAKE PRECEDENCE OVER SCALED DIMENSIONS.
- MASONRY CONTRACTOR TO VERIFY MASONRY OPENING DIMENSIONS FOR ALL WINDOWS, SLIDING GLASS DOORS, & ENTRY DOORS AS SHOWN ON THESE PLANS, WITH THE DOOR AND WINDOW MANUFACTURER PRIOR TO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

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 1604 OF THE (11TH EDITION) OF THE 2020 FLORIDA BUILDING CODE.

REVISIONS:
 05-10-2021
 05-25-2021

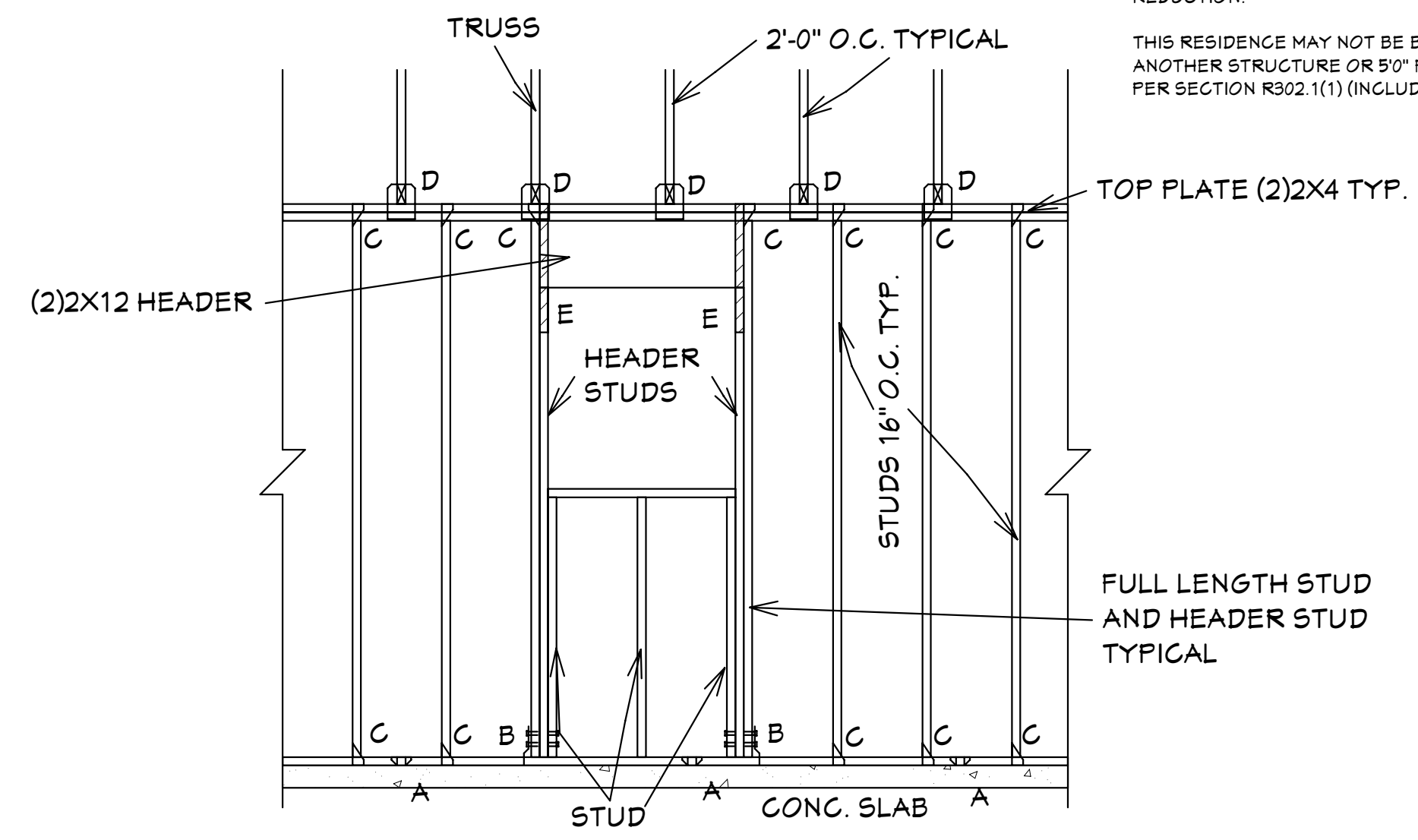
NOTE: ALL BRANCH CIRCUITS THAT SUPPLY 125-VOLT, SINGLE PHASE, 15 AND 20 AMPERE RECEPTACLE OUTLETS SHALL BE INSTALLED IN ALL ROOMS (INCLUDING BEDROOMS) EXCEPT THE BATHROOMS, UTILITY ROOM IN A DWELLING UNIT AND SHALL BE PROTECTED BY AN ARC-FAULT CIRCUIT INTERRUPTER(S). KITCHEN, BATHROOMS, UTILITY ROOM,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



ELECTRICAL PLAN

Reviewed for Code Compliance
 By: Glenn Cribbett Date: 6/17/2021
 RESMSTR2021-00176

ELECTRICAL LEGEND	
SYMBOL	DESCRIPTION
AV Control Panel	Audio Video: Control Panel, Switch
OT	DENOTES WALL OUTLET TAMPER RESISTANT
W	DENOTES GFI WALL OUTLET
WP	DENOTES WATER PROOF WALL OUTLET
220	DENOTES 220 VOLT WALL OUTLET
FO	DENOTES FLOOR OUTLET
CF	DENOTES COVERED FLOOR OUTLET
TV	DENOTES T.V OUTLET
DB	DENOTES DOOR BELL
PO	DENOTES PHONE OUTLET
T	DENOTES THERMOSTAT
200	DENOTES 200 AMP SERVICE BOX
SW	DENOTES WALL SWITCH
3W	DENOTES 3 WAY SWITCH
4W	DENOTES 4 WAY SWITCH
5W	DENOTES 5 WAY SWITCH
DS	DENOTES DIMMER SWITCH
WPS	DENOTES WATER PROOF SWITCH
CF	DENOTES CEILING OR WALL FIXTURE
FL	DENOTES FLOOD LIGHTS
R	DENOTES RECESS FIXTURE
FL	DENOTES FLOR LIGHT
EF	DENOTES EXHAUST FAN
SD	DENOTES SMOKE DETECTOR
COMB	DENOTES SMOKE DETECTOR CARBON MONOXIDE ALARM COMBO
J	DENOTES JUNCTION BOX & COVER FOR FUTURE FAN
J	DENOTES JUNCTION BOX W/COVER
Z	DENOTES ZENFLEX LOW VOLTAGE LIGHTING SYSTEM
CS	Wall Jacks: CAT5, CAT5 + TV, TV/Cable
IC	Intercom
SP	Speakers: Ceiling Mounted, Wall Mounted
240	240V Receptacle
T	Thermostat
WLF	Wall Mounted Light Fixtures: Flush Mounted, Wall Sconce
CL	Chandelier Light Fixture



"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

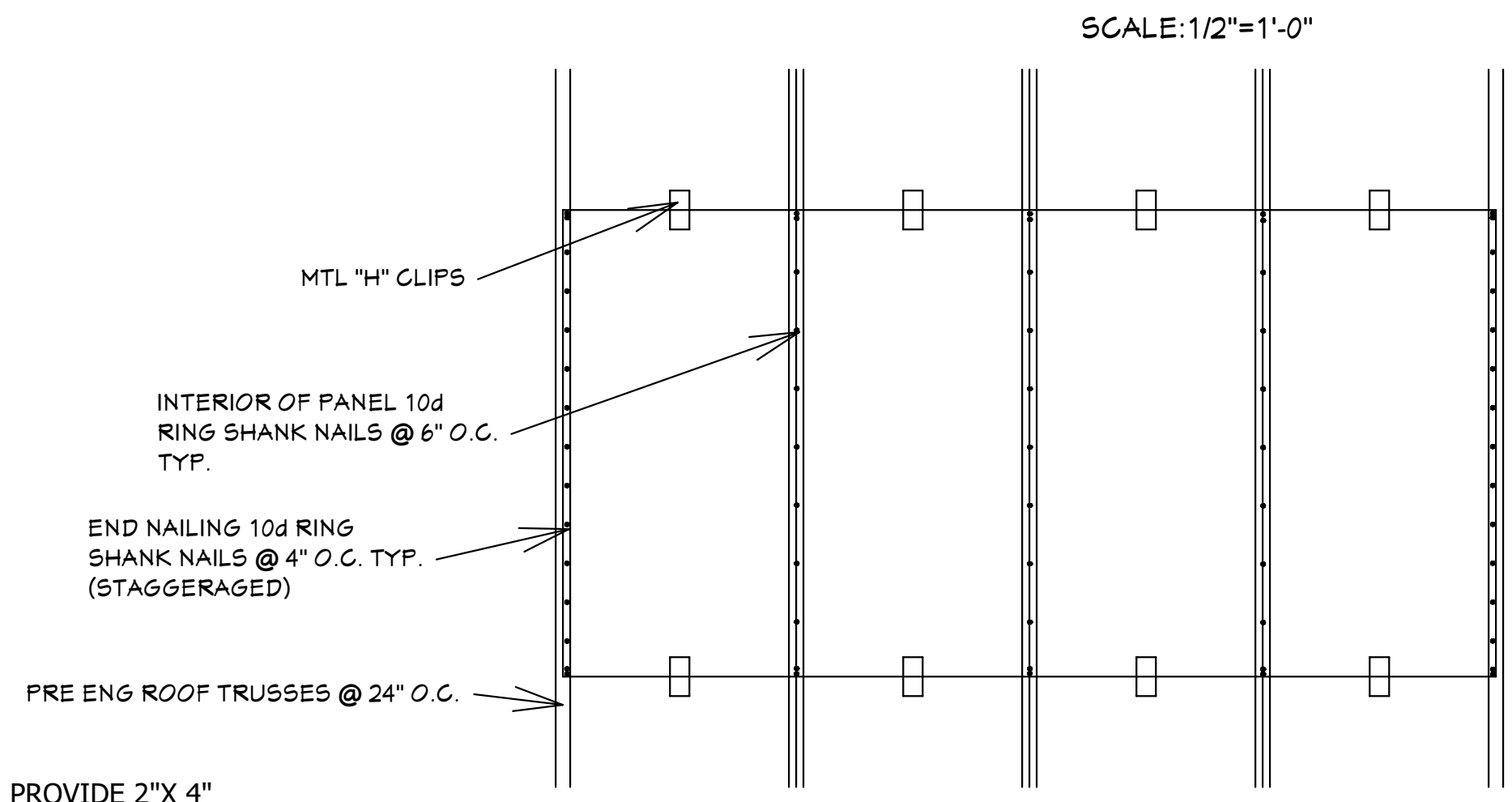
"C" SIMPSON H-2.5A OR H-3 OR EQUAL (STUD TO PLATE)

"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

SUGAR PALM 1 3/21 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
 3 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 # 2021-055

SHEET
 5 OF 7 SHEET

05-25-2021 REVISIONS

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:

1. The unvented attic space is completely within the building thermal envelope.
2. 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.
3. 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.
4. 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.
5. 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.

5.1.1. 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.

5.1.1.1. 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#6267 R17) PROVIDES 18 SQ IN. PER LINEAL FT OF NET FREE VENTILATING 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 / 1414.00 SQ IN SUPPLIED IN UPPER ROOF

TAMCO 4" ROUND OFF RIDGE VENT 138 SQ IN PER VENT = 3 REQUIRED = 414.00 SQ IN

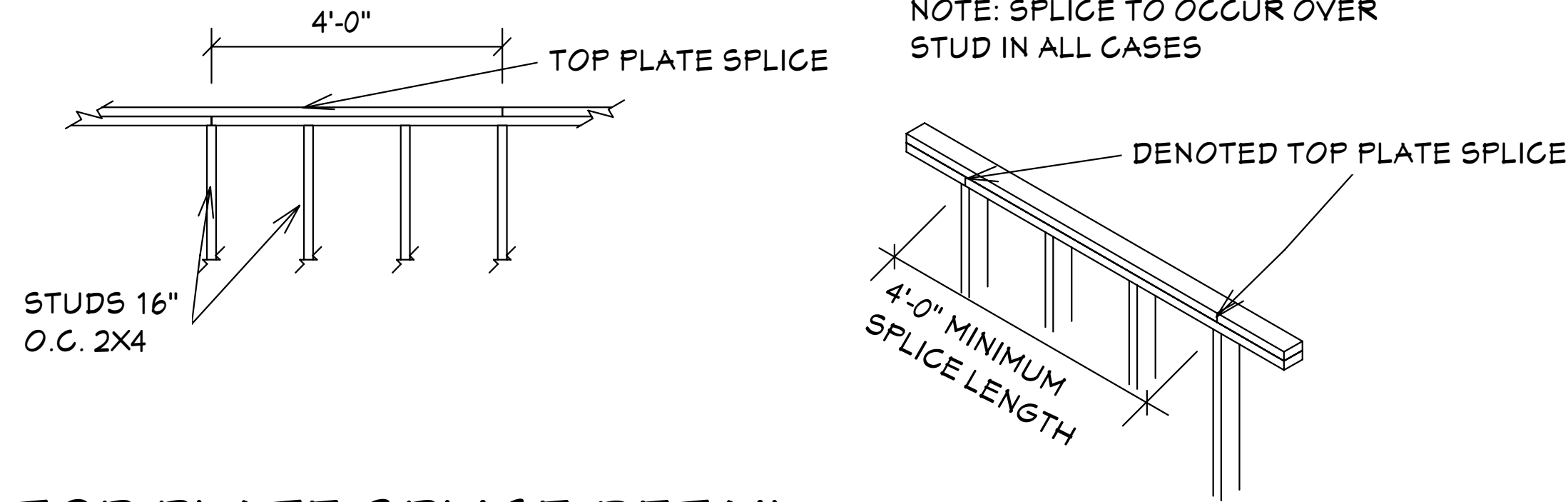
TOTAL OF VENTED SOFFIT REQUIRED = 555.55 SQ IN.

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. 0693)

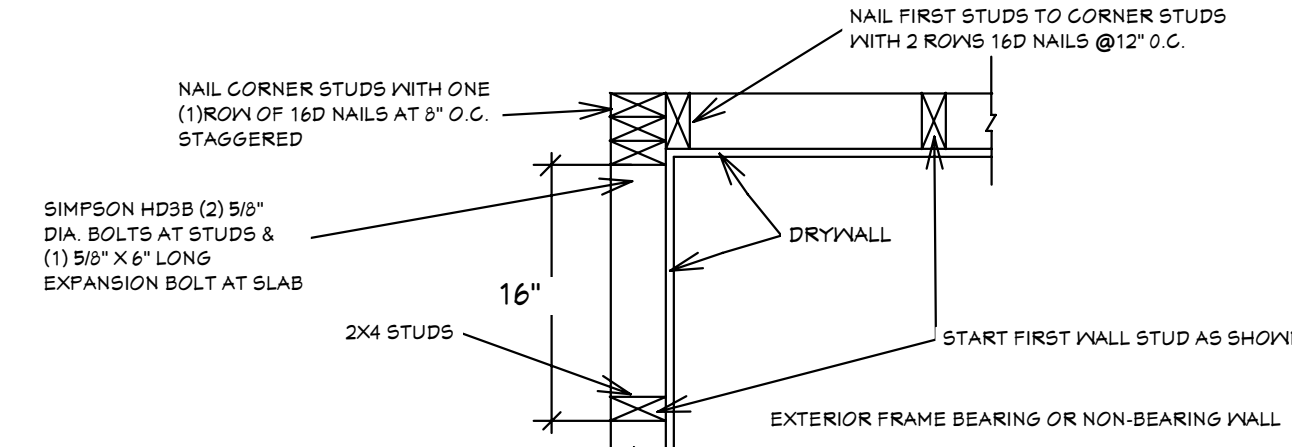
4.18 SQ IN NET FREE AREA PER LINEAL FT

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"

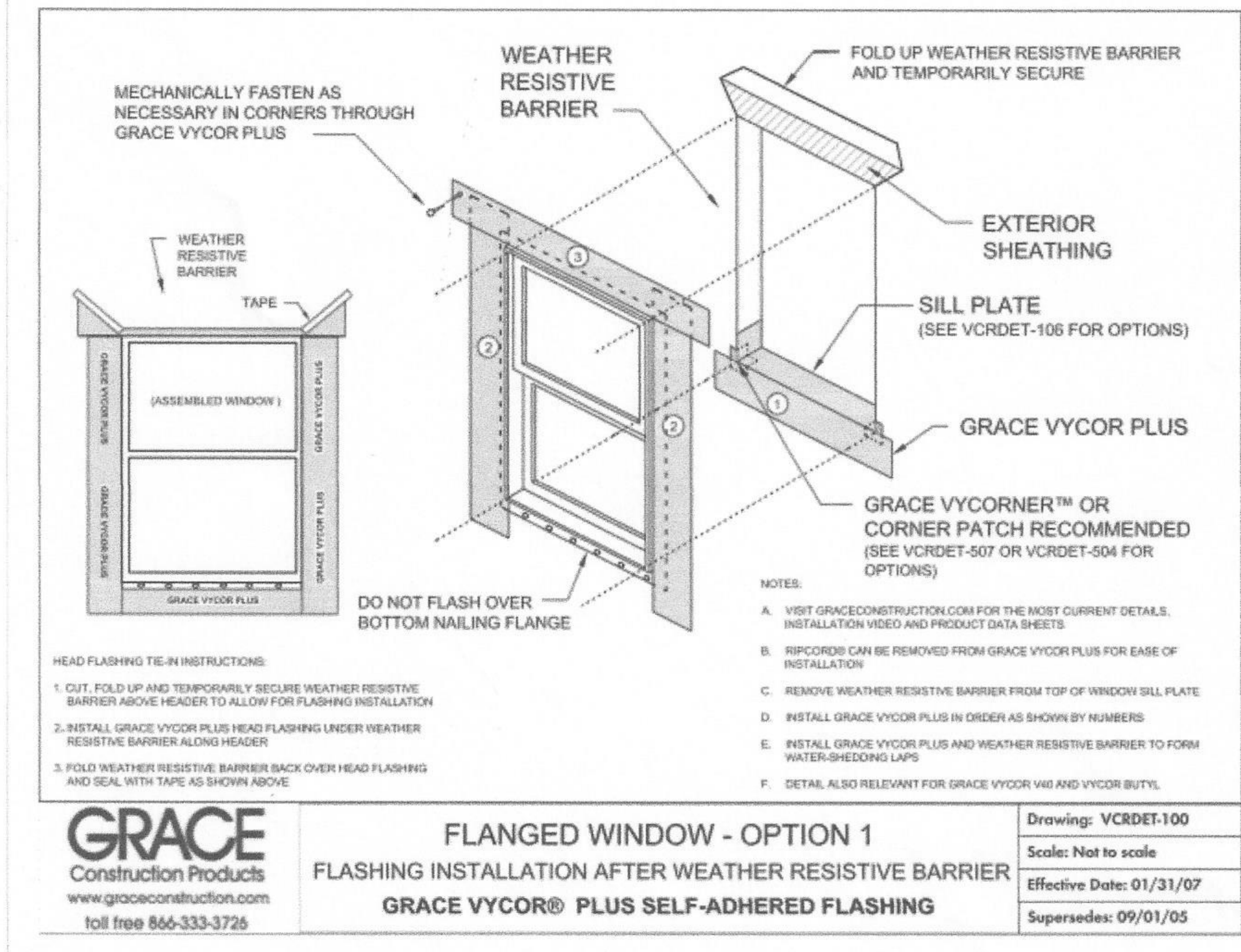
R703.4 Flashing.

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:

1. 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:

- 1.1. 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.

- 1.2. In accordance with the flashing design or method of a registered design professional.
- 1.3. In accordance with other approved methods.
- 1.4. In accordance with FMA/AAMA 100, FMA/AAMA 200, FMA/WDMA 250, FMA/AAMA/WDMA 300 or FMA/AAMA/WDMA 400.
2. At the intersection of chimneys or other masonry construction with frame or stucco walls, with projecting lips on both sides under stucco copings.
3. Under and at the ends of masonry, wood or metal copings and sills.
4. Continuously above all projecting wood trim.
5. Where exterior porches, decks or stairs attach to a wall or floor assembly of wood-frame construction.
6. At wall and roof intersections.
7. 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

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 IN WRITING WITHIN 10 DAYS OF RECEIPT OF PLANS, AND PRIOR TO ANY CONSTRUCTION. THE CONTRACTOR ASSUMES ALL THE RESPONSIBILITY FOR THE RESULTS AND ALL THE COSTS OF RECTIFYING THE SAME.

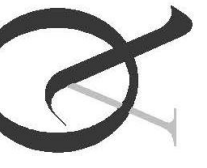
4. HICKS DRAFTING & DESIGN DOES NOT ASSUME ANY RESPONSIBILITY FOR SUPERVISION OF CONSTRUCTION. CONTRACTOR TO ADHERE STRICTLY TO THE (11TH EDITION) OF THE 2020 FLORIDA RESIDENTIAL BUILDING CODE, CHAPTER 3, AND SECTION 1609 OF THE (11TH EDITION) OF THE 2020 FLORIDA BUILDING CODE, TOGETHER WITH LOCAL AMENDMENTS, 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 3'0" 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
AL QUATTORNE P.E. # 52741
Certificate of Authorization Number: 9465



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

SUGAR PALM 1 3/21 MODEL / RIGHT HAND GARAGE / MONO FOOTER / 2020 CODE / 10 1/2" CANT

BUILDER: HABITAT FOR HUMANITY

3 BEDROOM 2 BATH HOME / 160 MPH WIND LOADING

NEW HOUSE FOR: /SECTION-

LOT- /BLOCK- /UNIT- /SECTION-

TOWNSHIP- SOUTH/RANGE- EAST

ADDRESS:

STREET#

JOB # 2021-055

DRAWN BY

DAVID HICKS

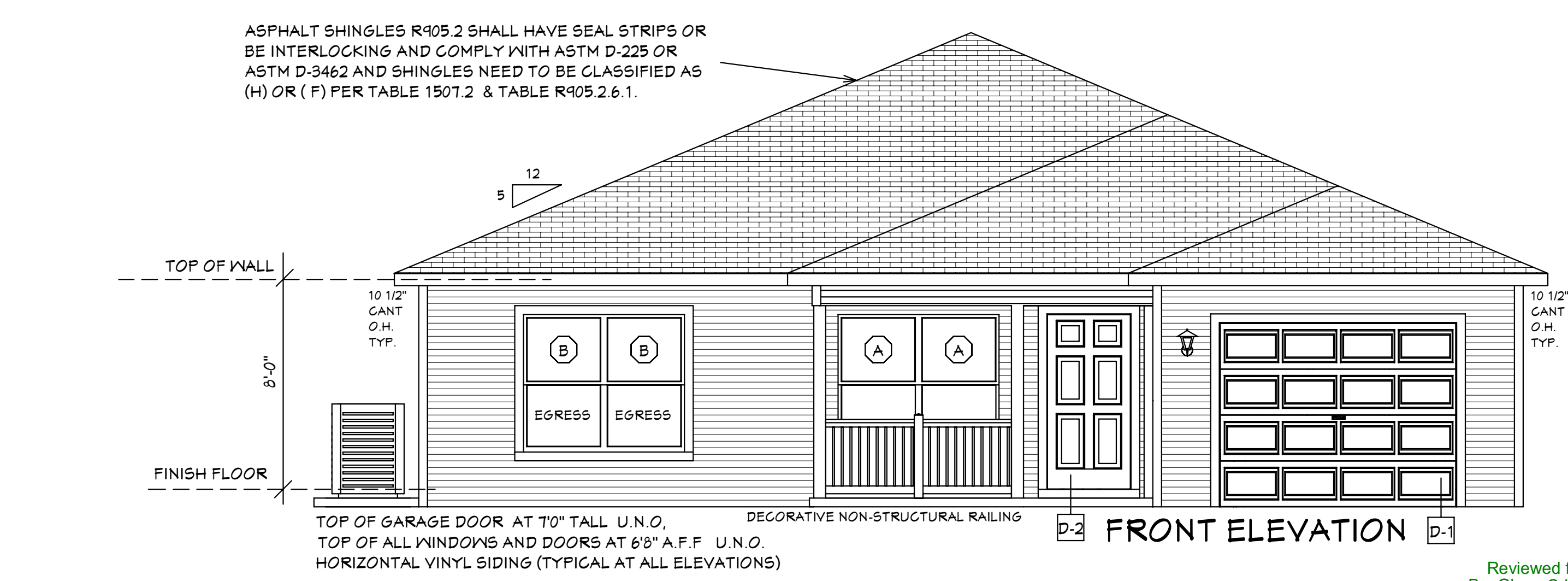
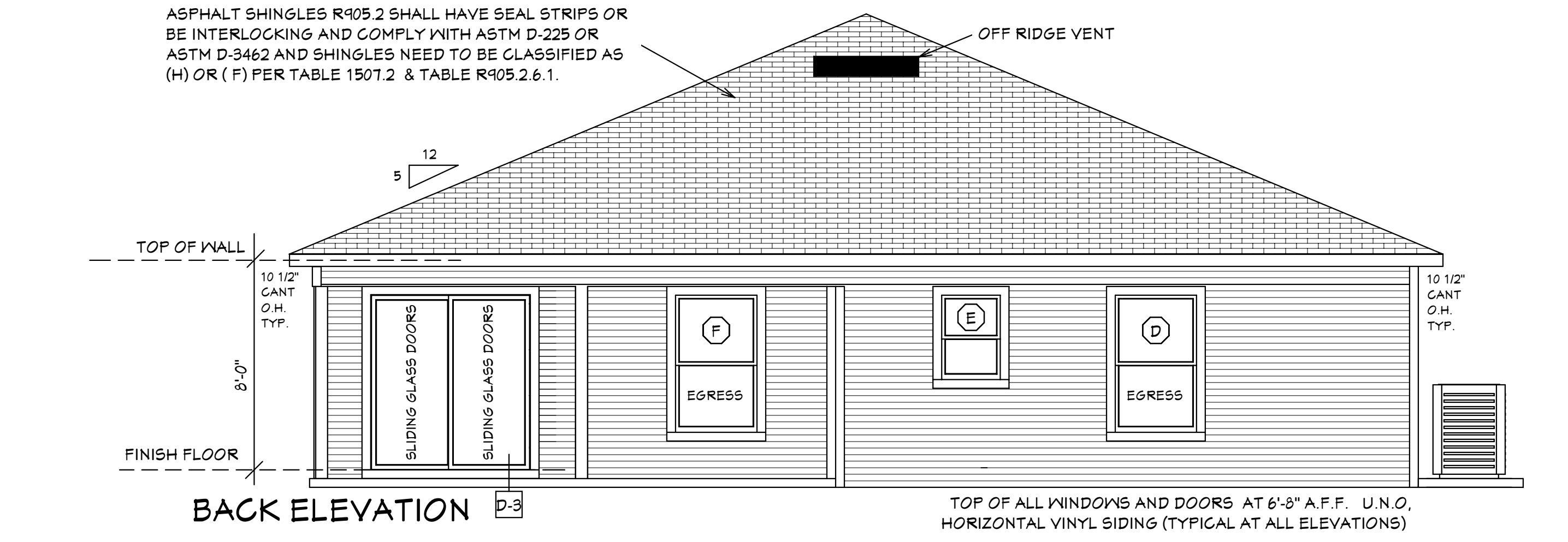
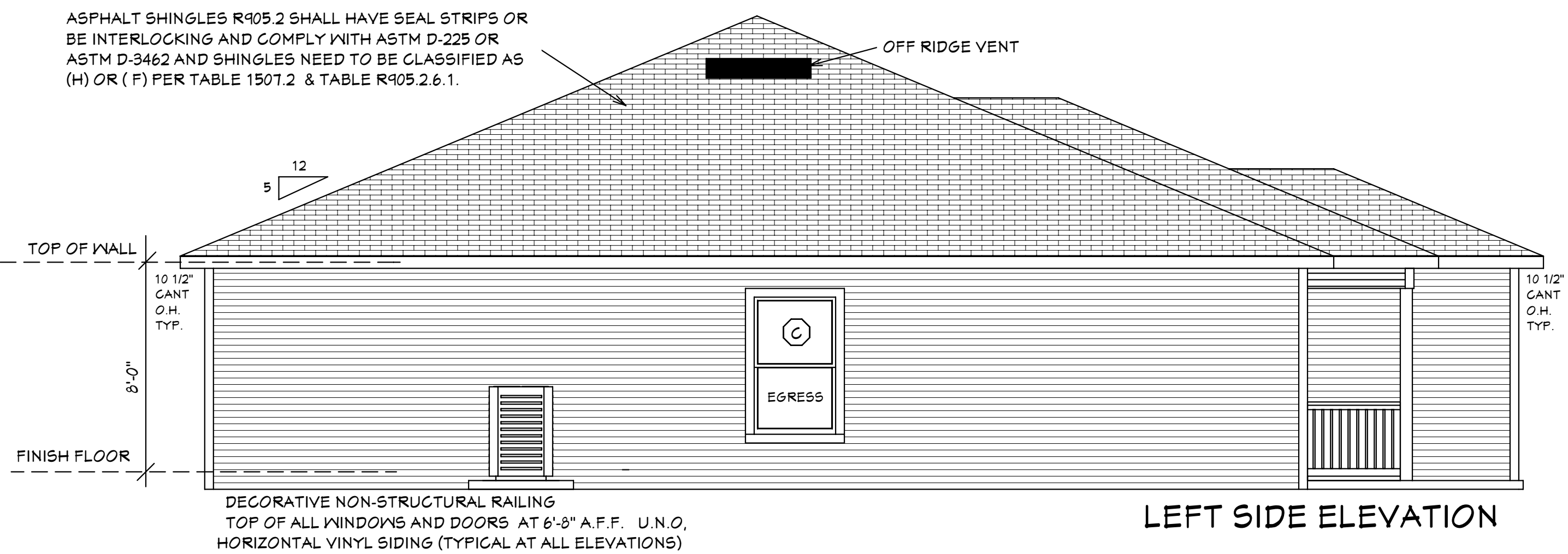
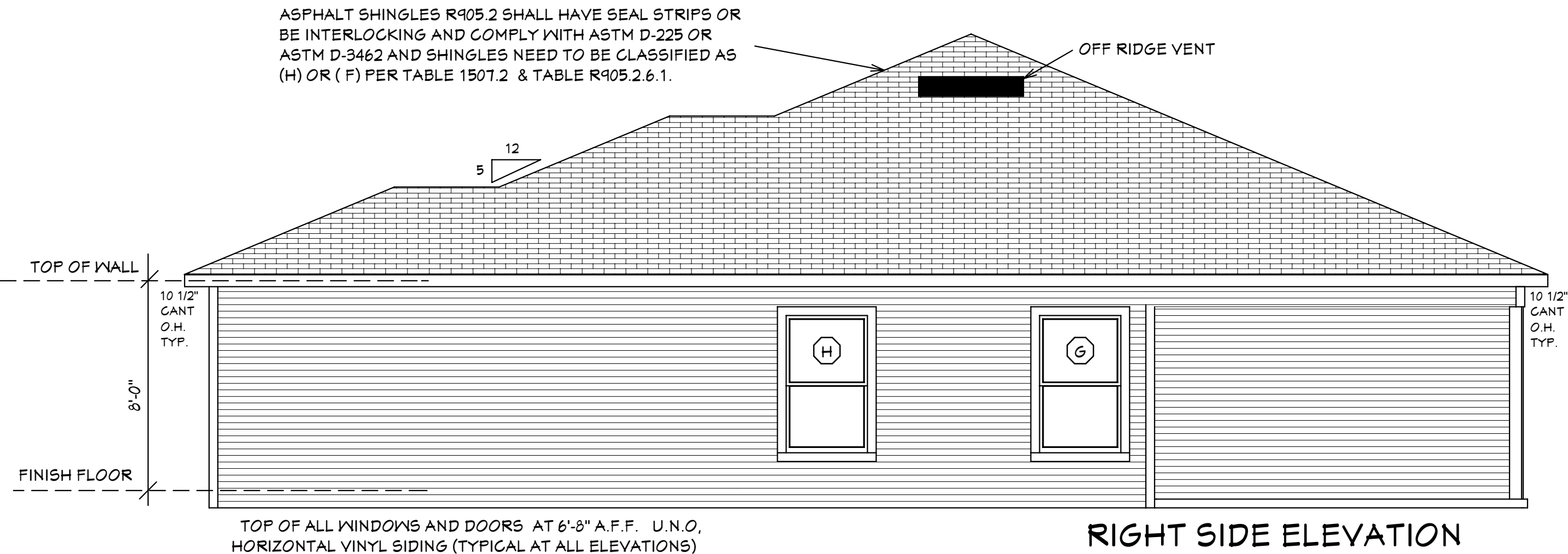
DATE: 03-29-2021

SCALE: 1/4"=1'0"

SHEET

7 OF 7 SHEET

05-25-2021 REVISIONS



EXTERIOR ELEVATIONS

Reviewed for Code Compliance
By: Glenn Cribbett Date: 6/17/2021
RESMSTR2021-00176

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 1609 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:
 0.71 (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
 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)

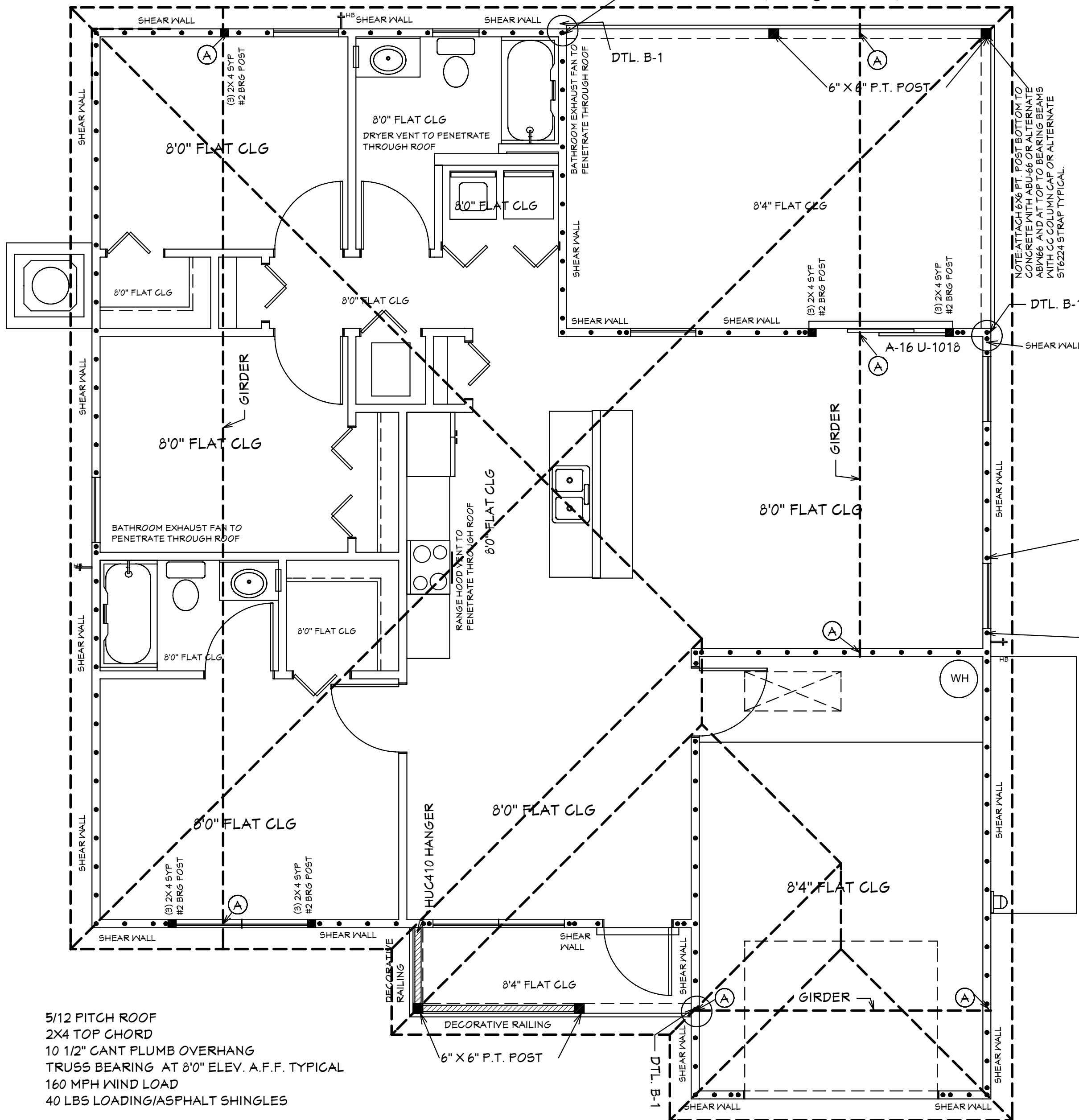
DESIGN LOAD BEARING
VALUE OF SOIL 2000 PSF

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, 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.
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 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
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.

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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



ROOF PLANE PLAN

- RL-1 36" HIGH DEG VINYL RAILING NON GUARDRAIL. OPENING WILL RESIST 4" SPHERE. ATTACH PER MANUFACTURER'S SPECIFICATIONS.
- (A) ANCHOR GIRDER TRUSS WITH (1) SIMPSON HTS-20 (TYPICAL)
- (B) ANCHOR GIRDER TRUSS WITH (2) SIMPSON HTS-20 (TYPICAL)

REVISIONS:
05-10-2021
05-25-2021

HICKS DRAFTING & DESIGN
603 MAPLE AVENUE N
LEHIGH ACRES, FL 33472
CELL: (239) 462-2734
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BUILDER: HABITAT FOR HUMANITY
3 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 # 2021-055

SHEET
1A 7
OF SHEET

Quattrone & Associates, Inc.
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4301 Veronica Shoemaker Blvd. Fort Myers, FL 33916 (239) 936-5222 QALicet.net
AL QUATRONE P.E. # 52741
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05-25-2021

MASTER PLAN
SUGAR PALM 1 9/21 MODEL / RIGHT HAND GARAGE / MONO FOOTER / 2020 CODE / 10 1/2" CANT
05-25-2021 REVISIONS

SUGAR PALM 1 3/2/1-RHG WALL SCHEDULE			
WALL#	LENGTH	EXTERIOR OR INTERIOR	NOTES
1	11'-11 1/2"	EXTERIOR	2 X 4 SYP #2 WALL
2A	9'-10"	EXTERIOR	2 X 4 SYP #2 WALL PLUMBING (WAS 2 X 6)
3A	10'-4"	EXTERIOR	2 X 4 SYP #2 WALL
4	14'-0"	EXTERIOR	2 X 4 SYP #2 WALL
5	9'-2"	EXTERIOR	2 X 4 SYP #2 WALL
6	14'-11 1/2"	EXTERIOR	2 X 4 SYP #2 WALL
7	10'-6"	EXTERIOR	2 X 4 SYP #2 WALL
8	10'-5 1/2"	EXTERIOR	2 X 4 SYP #2 WALL
9	13'-7 1/2"	EXTERIOR	2 X 4 SYP #2 WALL
10	8'-0"	EXTERIOR	2 X 4 SYP #2 WALL
11	13'-4"	EXTERIOR	2 X 4 SYP #2 WALL
12	14'-7 1/2"	EXTERIOR	2 X 4 SYP #2 WALL
13	11'-4"	EXTERIOR	2 X 4 SYP #2 WALL
14	5'-10"	EXTERIOR	2 X 4 SYP #2 WALL
15	10'-2"	EXTERIOR	2 X 4 SYP #2 WALL
16	14'-3 1/2"	EXTERIOR	2 X 4 SYP #2 WALL
17	50'-0"	INTERIOR	2 X 4 SYP WALL
18	3'-9"	INTERIOR	2 X 4 SYP WALL
19	10'-3 1/2"	INTERIOR	2 X 4 SYP WALL
20	4'-3-1/2"	INTERIOR	2 X 4 SYP WALL
21	5'-9 1/2"	INTERIOR	2 X 6 SYP #2 PLUMBING
22	2'-10"	INTERIOR	2 X 4 SYP WALL (WAS 2 X 6)
23	3'-5"	INTERIOR	2 X 4 SYP WALL
24	3'-5"	INTERIOR	2 X 4 SYP WALL
25	11'-8"	INTERIOR	2 X 4 SYP WALL
26	5'-9"	INTERIOR	2 X 4 SYP WALL
27	3'-6 1/2"	INTERIOR	2 X 4 SYP WALL
28	3'-3"	INTERIOR	2 X 4 SYP WALL
29	5'-2"	INTERIOR	2 X 4 SYP WALL
30	10'-2"	INTERIOR	2 X 4 SYP WALL
31	8'-5"	INTERIOR	2 X 4 SYP #2 PLUMBING (WAS 2 X 6)
32	5'-7 1/2"	INTERIOR	2 X 4 SYP WALL
33	12'-5 1/2"	INTERIOR	2 X 4 SYP WALL
34	5'-3"	INTERIOR	2 X 4 SYP WALL
35	8'-5"	INTERIOR	2 X 4 SYP WALL
36	5'-7 1/2"	INTERIOR	2 X 4 SYP WALL
37	11'-4"	INTERIOR	2 X 4 SYP WALL
38	12'-8"	INTERIOR	2 X 4 SYP #2 WALL
39	13'-4"	INTERIOR	2 X 4 SYP #2 WALL
40	7'-10"	INTERIOR	2 X 4 SYP #2 LOW PLUMBING (WAS 2 X 6)
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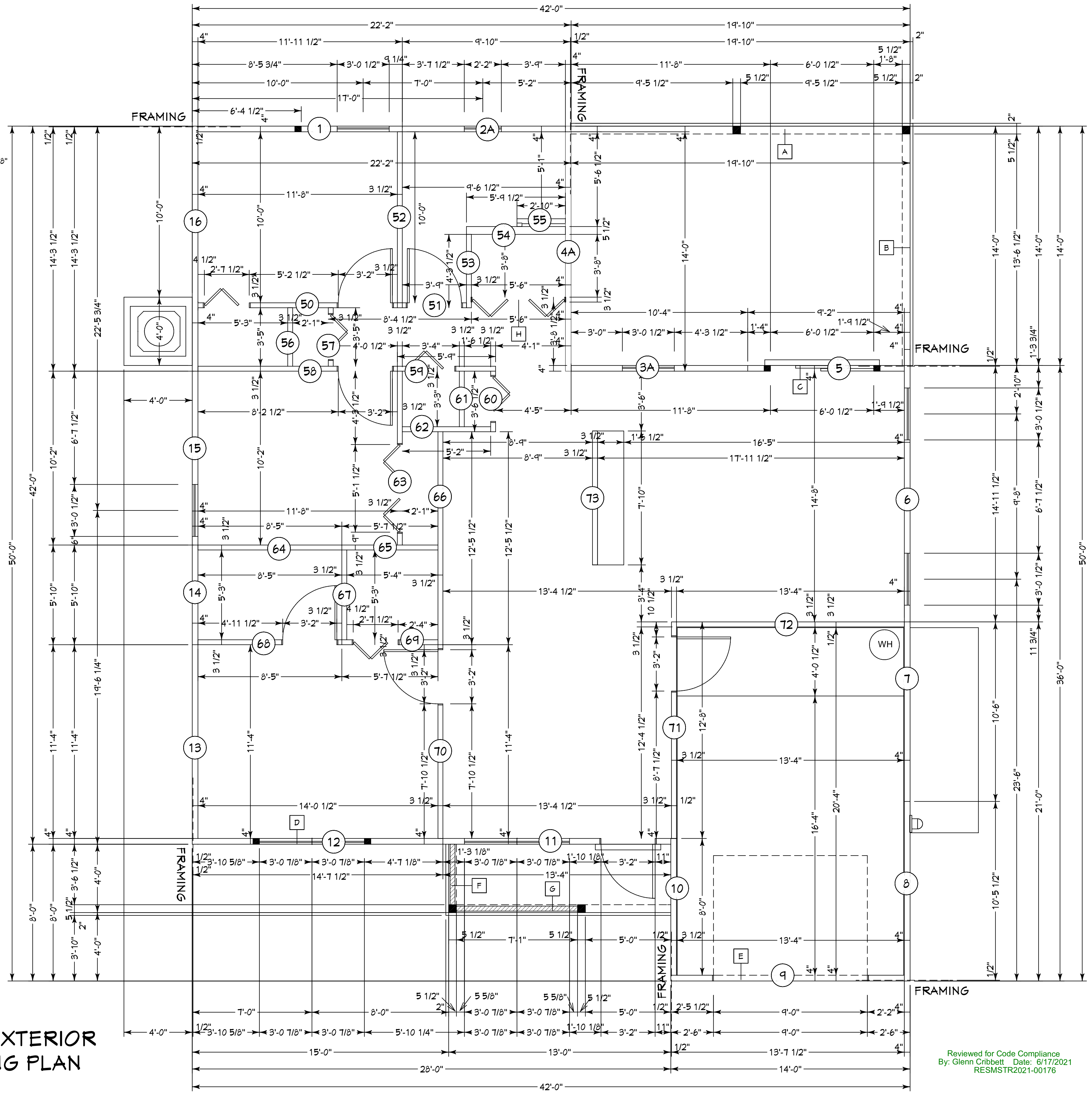
R.O. OPENINGS FOR DOORS AND WINDOWS
 (2) 3068 EXTERIOR SLIDING GLASS DOORS T2 1 1/2" X 81 3/8"
 3068 EXTERIOR DOOR 38" X 81 3/8"
 3068 INTERIOR DOOR 38" X 81"
 2068 BI-FOLD DOOR 25 1/2" X 80"
 2868 BI-FOLD DOOR 33 1/2" X 80"
 3068 BI-FOLD DOOR 37 1/2" X 80"
 5068 BI-FOLD DOOR 61 1/2" X 80"
 5468 BI-FOLD DOOR 65" X 80"
 6068 BI-FOLD DOOR 73 1/2" X 80"
 SH-25 SINGLE HUNG WINDOW 36 1/2" X 62 3/4"
 (2) SH-25 SINGLE HUNG WINDOW 73 3/4" X 62 3/4"
 H-33-SH SINGLE HUNG WINDOW 26" X 38 1/8"

SUGAR PALM 1 3/2/1-RHG MODEL LVL BEAM SCHEDULE		
BEAM #	LENGTH	BEAM TYPE
A	20'-2"	(2) PLY 1 3/4" X 11 7/8" LVL BEAM
B	14'-4"	(2) PLY 1 3/4" X 11 7/8" LVL BEAM
C	6'-9-1/2"	(2) PLY 1 3/4" X 11 7/8" LVL BEAM
D	6'-10-3/4"	(2) PLY 1 3/4" X 11 7/8" LVL BEAM

SUGAR PALM 1 3/2/1-RHG MODEL 2 X 12 SYP BEAM SCHEDULE		
BEAM #	LENGTH	BEAM TYPE
E	9'-8"	(2) 2 X 12 SYP IN 1/2" PLYWOOD FLITCH PLATES (GLUED & NAILED)
F	4'-0"	(2) 2 X 12 SYP IN 1/2" PLYWOOD FLITCH PLATES (GLUED & NAILED)
G	13'-4"	(2) 2 X 12 SYP IN 1/2" PLYWOOD FLITCH PLATES (GLUED & NAILED)
H	6'-2"	(2) 2 X 12 SYP IN 1/2" PLYWOOD FLITCH PLATES (GLUED & NAILED)

INTERIOR & EXTERIOR WALL FRAMING PLAN
 SCALE: N.T.S.

NOTE: EXTERIOR WOOD WALLS ARE 3 1/2" WIDE WITH 1/2" PLYWOOD (4" TOTAL) UNLESS NOTED DIFFERENT.
 INTERIOR WOOD WALLS ARE 3 1/2" & 5 1/2" WIDE WOOD WALLS UNLESS NOTED DIFFERENT.



Reviewed for Code Compliance
 By: Glenn Cribbett Date: 6/17/2021
 RESMSTR2021-00176

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 Engineers, Planners, & Development Consultants
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 AL QUATTRONE P.E. # 52741

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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
 3 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"

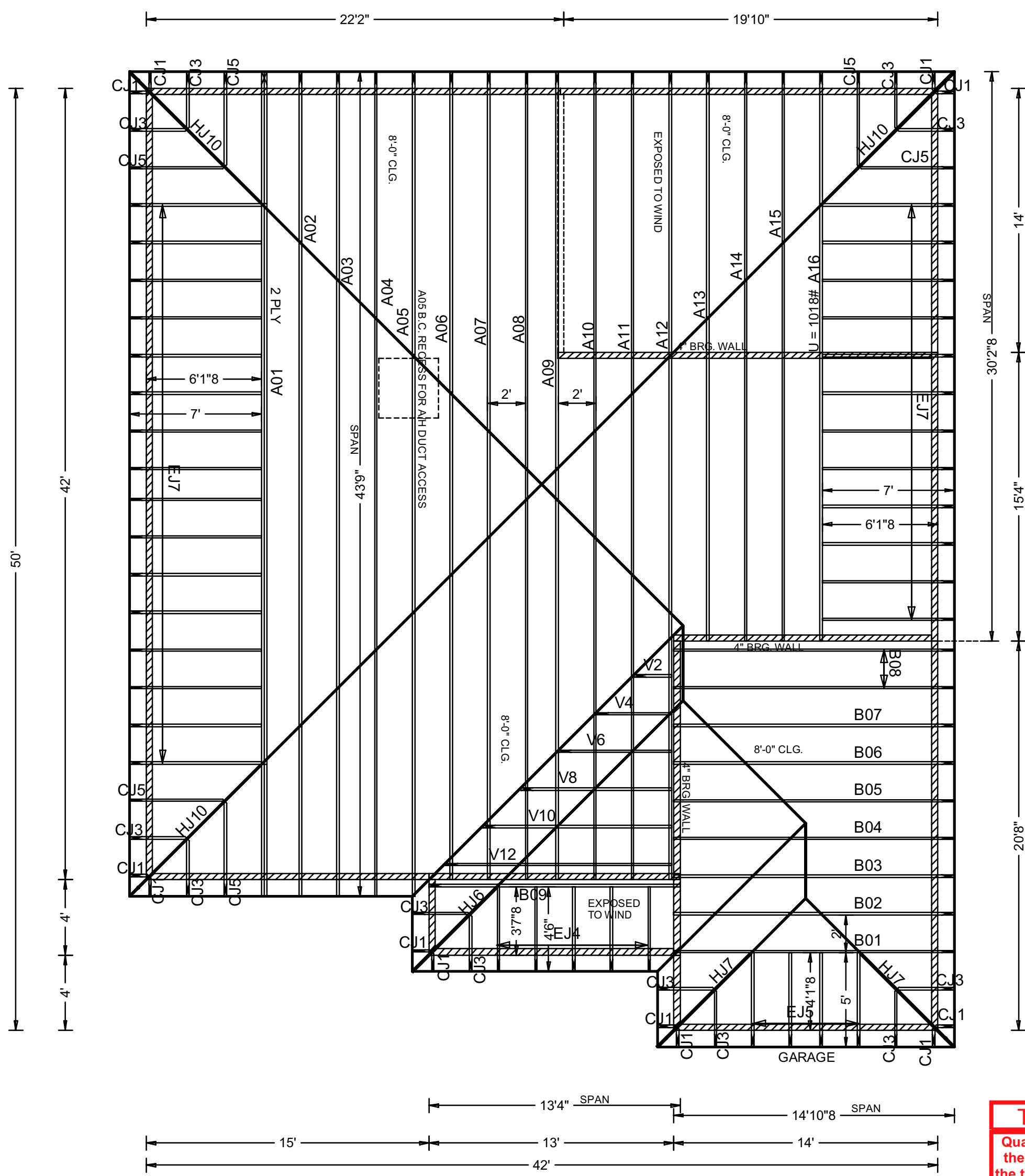
JOB # 2021-055

SHEET
 SH-1 SH-1
 OF SHEET

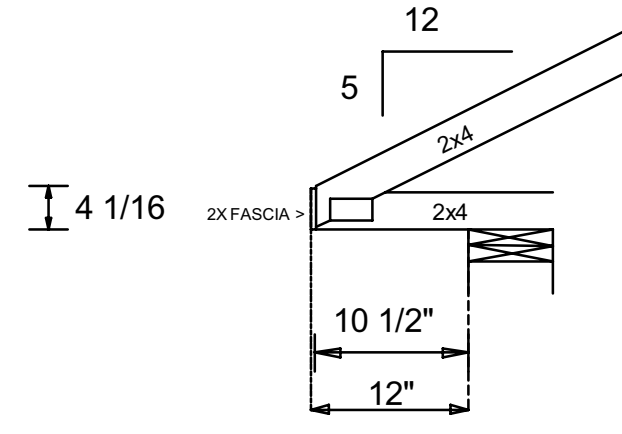
SUGAR PALM 1 3/2/1 MODEL / RIGHT HAND GARAGE / MONO FOOTER / 2020 CODE / 10 1/2" CANT

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
(*)=HUS26	(G)=GTWS3T	(L)=SUR26
(C)=HUS28	(H)=THGBH3	(M)=HHUS46
(D)=HHUS28-2	(I)=THGBH4	(N)=THA422
(E)=HGUS28-2	(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:

- Authorization for FABRICATION.
- 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.
- Erection of trusses per TPI Bulletin BCSI-B1
- ALL permanent and temporary bracing, is CONTRACTOR'S responsibility.
- Any Valleys or Ceiling drops NOT provided by Truss Plant are to be FIELD FILLED by Contractor.
- Truss Plant supplies only TRUSS to TRUSS Connections.
- NO back charges or crane charges of any kind will be accepted unless SPECIFICALLY AUTHORIZED in writing by Truss Plant Management.
- 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	4/13/21	CHANGE TO NEW CODE	JZ
2	5/8/21	CHANGE DIMENSIONS AT REAR OF HOUSE AS PER REDLINE.	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# : 18073015M1
Builder: HABITAT FOR HUMANITY
Owner :
County :
City :
Address :
Lot :
Block :
Sub :
Model : SUGAR PALM 3/2/1-

Roof Covering: SHINGLE
Scale : 3/16" = 1'-0"
Date : April 13, 2021
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

TRUSS LIABILITY EXCLUSION NOTE
Quatrone 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.

Reviewed for Code Compliance
By: Glenn Cribbett Date: 6/17/2021
RESMSTR2021-00176