

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. THE CONTRACTOR ASSUMES ALL THE COSTS OF RECTIFYING 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 (8TH EDITION) OF THE 2023 FLORIDA RESIDENTIAL BUILDING CODE, CHAPTER 3, AND SECTION 1604 OF THE (8TH EDITION) OF THE 2023 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\"/>

Quattrone & Associates, Inc.
 Engineers, Planners, & Development Consultants
 4001 Veneta Shores Blvd. Fort Myers, FL 33916 (239) 936-5222 QAC@qac.com
 Certificate of Authorization Number: 9465
 A/C QUALITY/NOI/FE # 92741

COMPLIANCE STATEMENT
 THESE PLANS HAVE BEEN DESIGNED BY A REGISTERED PROFESSIONAL ENGINEER AND THE DESIGN PARAMETERS FOR THE (8TH EDITION) OF THE 2023 FLORIDA RESIDENTIAL BUILDING CODE, CHAPTER 3 IN GENERAL AND SECTION 1604 OF THE (8TH EDITION) OF THE 2023 FLORIDA BUILDING CODE.

03-15-2024

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 selfadhering polymer-modified bitumen complying with ASTM D1970 or a minimum 3 3/4 - inch wide strip of selfadhering 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 three layers of felt underlayment comply ASTM D226 Type II or ASTM D4869 Type III or IV, or three 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 1/4\"/>

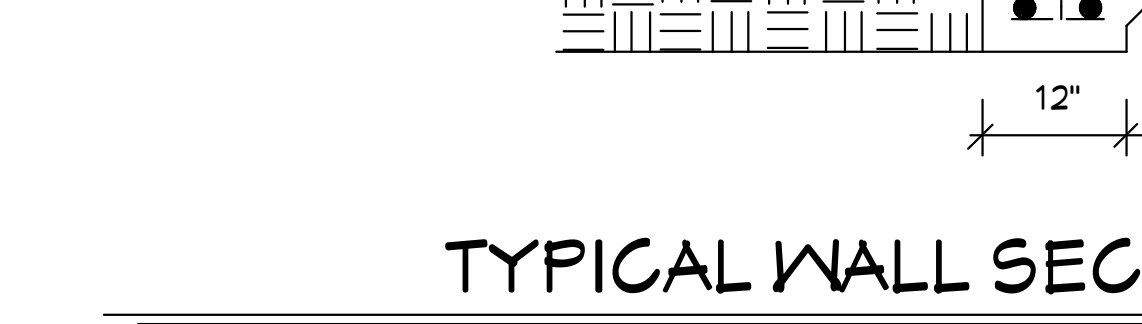
2 X 6 SUB FASCIA WITHUM FASCIA & FLAT VINYL VENTED SOFFIT FL-16503.2. REFER TO BUILDER SUPPLIED PRODUCT APPROVALS SHEETS FOR INSTALLATION SPECIFICATIONS OF SOFFIT. SOFFIT IS IN COMPLIANCE WITH RT03.1.2.1 WIND RESISTANCE OF SOFFITS. SOFFITS AND THEIR ATTACHMENTS SHALL COMPLY WITH SECTION R704 OF THE 8TH EDITION OF THE 2023 F.R.B.C.

HORIZ. VINYL SIDING OR CEMENTITIOUS FINISH AND SELF FURRING WIRE LATH 2.5 OVER 2 LAYERS OF 15 # FELT OR TYVEK EQUIVALENT RT03

1/2\"/>

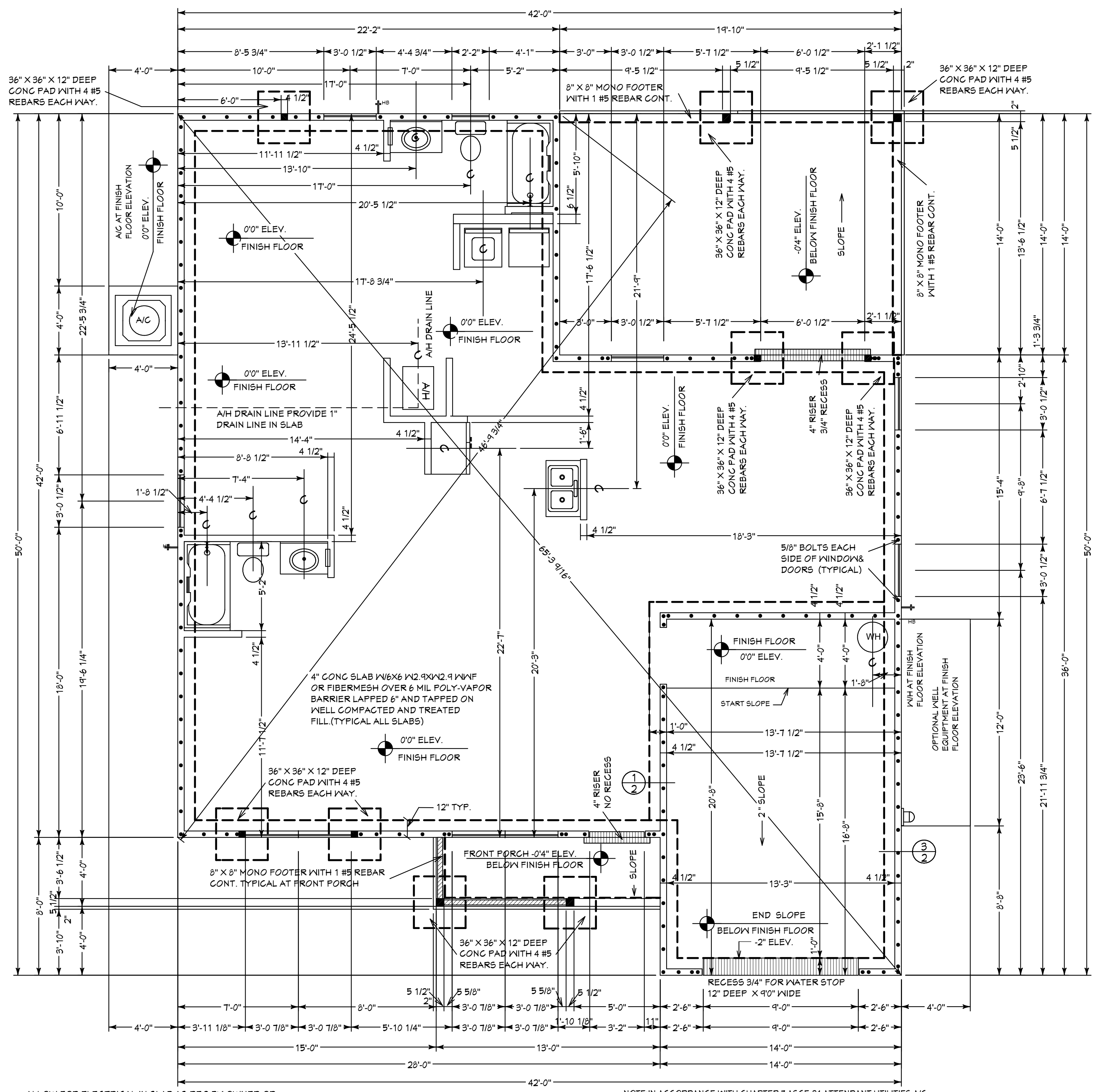
2 X 4 P.T. BOTTOM PLATE ON 1/4\"/>

8\"/>



TYPICAL WALL SECTION
 3/4\"/>

1
 2



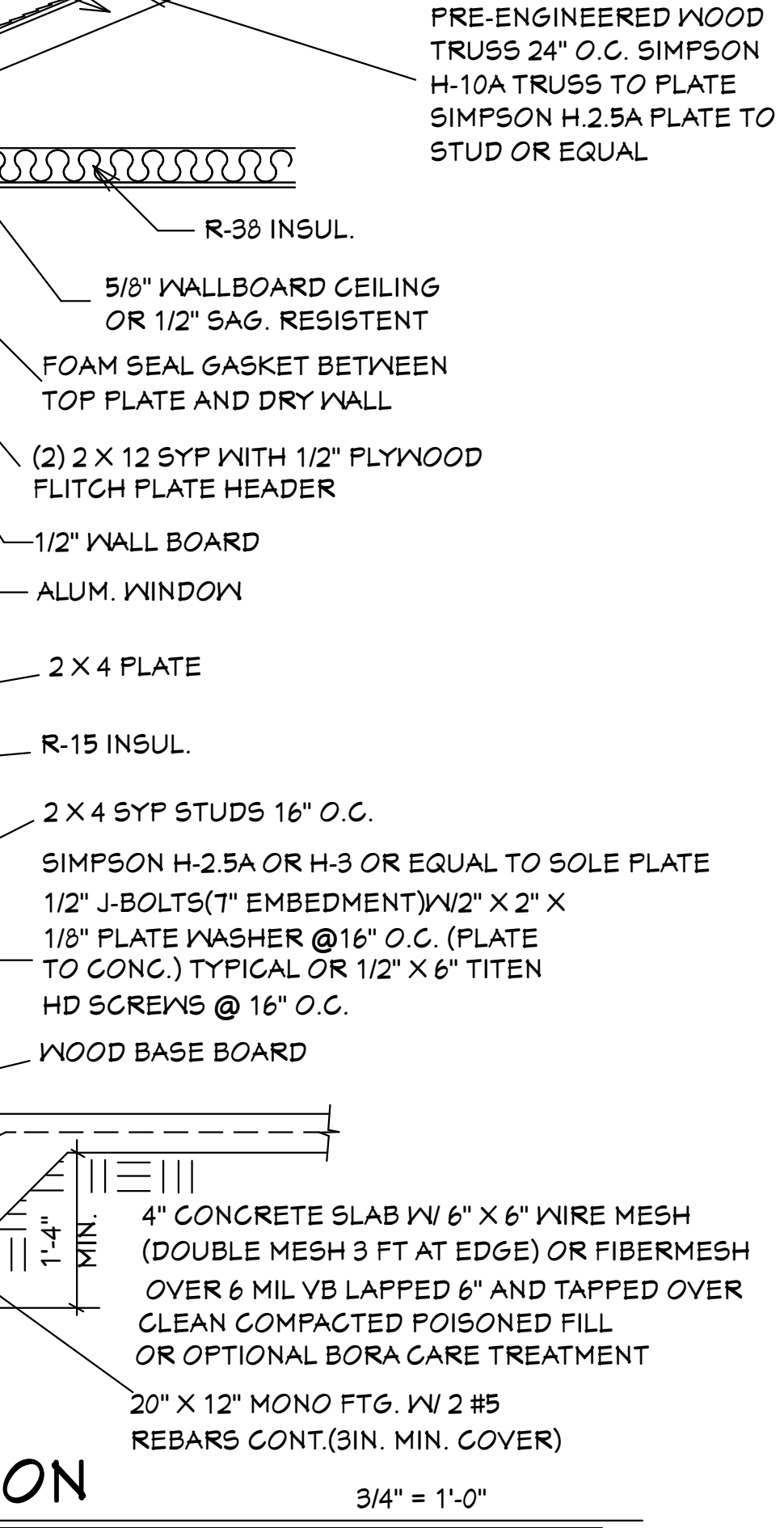
ALLOW FOR ELECTRICAL IN SLAB AS REQ BY OWNER OR BUILDER. ELECTRICAL CONTRACTOR TO VERIFY NEEDS WITH CONTRACTOR PRIOR TO START OF CONSTRUCTION.

CONTRACTOR IS RESPONSIBLE FOR VERIFYING ROUGH OPENING AND SIZES OF ALL DOORS AND WINDOWS BEFORE STARTING CONSTRUCTION PROVIDE 1\"/>

NOTE: ALL EXTERIOR WALLS ARE 3 1/2\"/>

NOTE: IN ACCORDANCE WITH CHAPTER 7 ASCE-24 ATTENDANT UTILITIES A/C AND W/H AND ALL OTHER EQUIPMENT SHALL BE LOCATED AT FINISH FLOOR ELEVATION OR ABOVE THE MINIMUM FLOOD ELEVATION BE 1 FOOT OF FREEBOARD, WITH THE EXCEPTION OF RISERS OR UNDERGROUND LINES. IT IS ACCEPTABLE FOR THE LOCATION OF A/C AND W/H EQUIPMENT AND OTHER UTILITY PAD LOCATIONS TO BE MOVED AS REQUIRED TO A DIFFERENT LOCATION OR DELETED IF NOT REQUIRED. REFER TO SITE PLAN FOR ACTUAL LOCATIONS OF UTILITY PADS.

FOUNDATION PLAN



TYPICAL WALL SECTION
 3/4\"/>

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

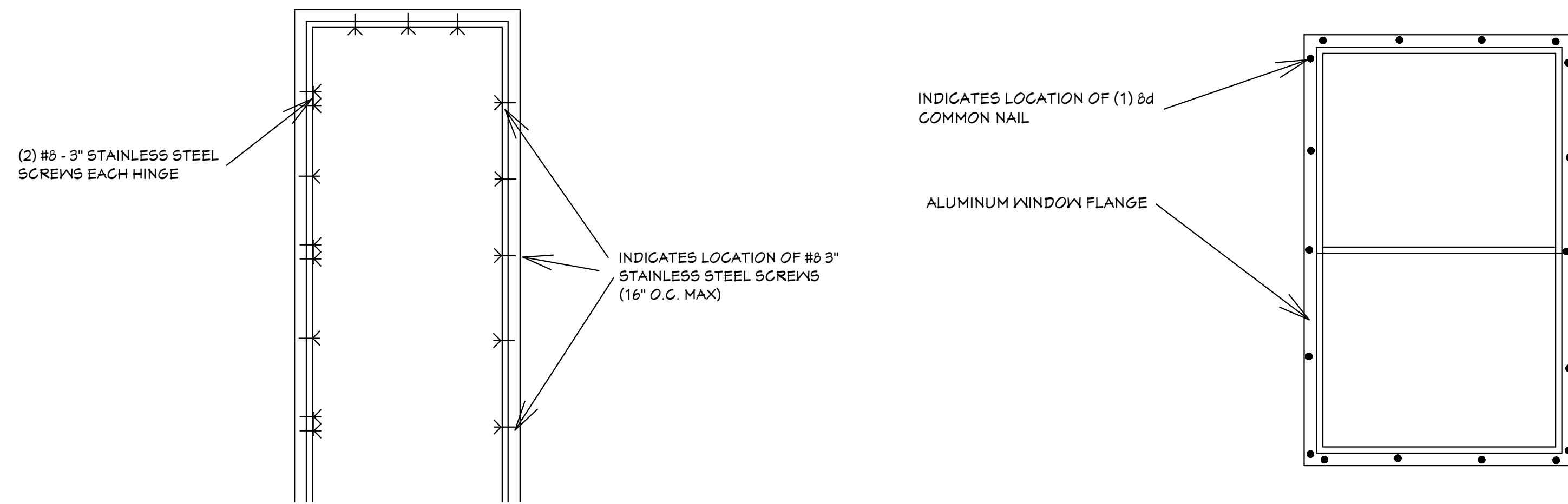
REVISIONS:

05-25-2021
03-15-2024

HICKS DRAFTING & DESIGN	E-MAIL: DHICKS@AOL.COM
4216 5TH STREET W	
LEHIGH ACRES, FL. 33911	
CELL: (239) 462-2734	

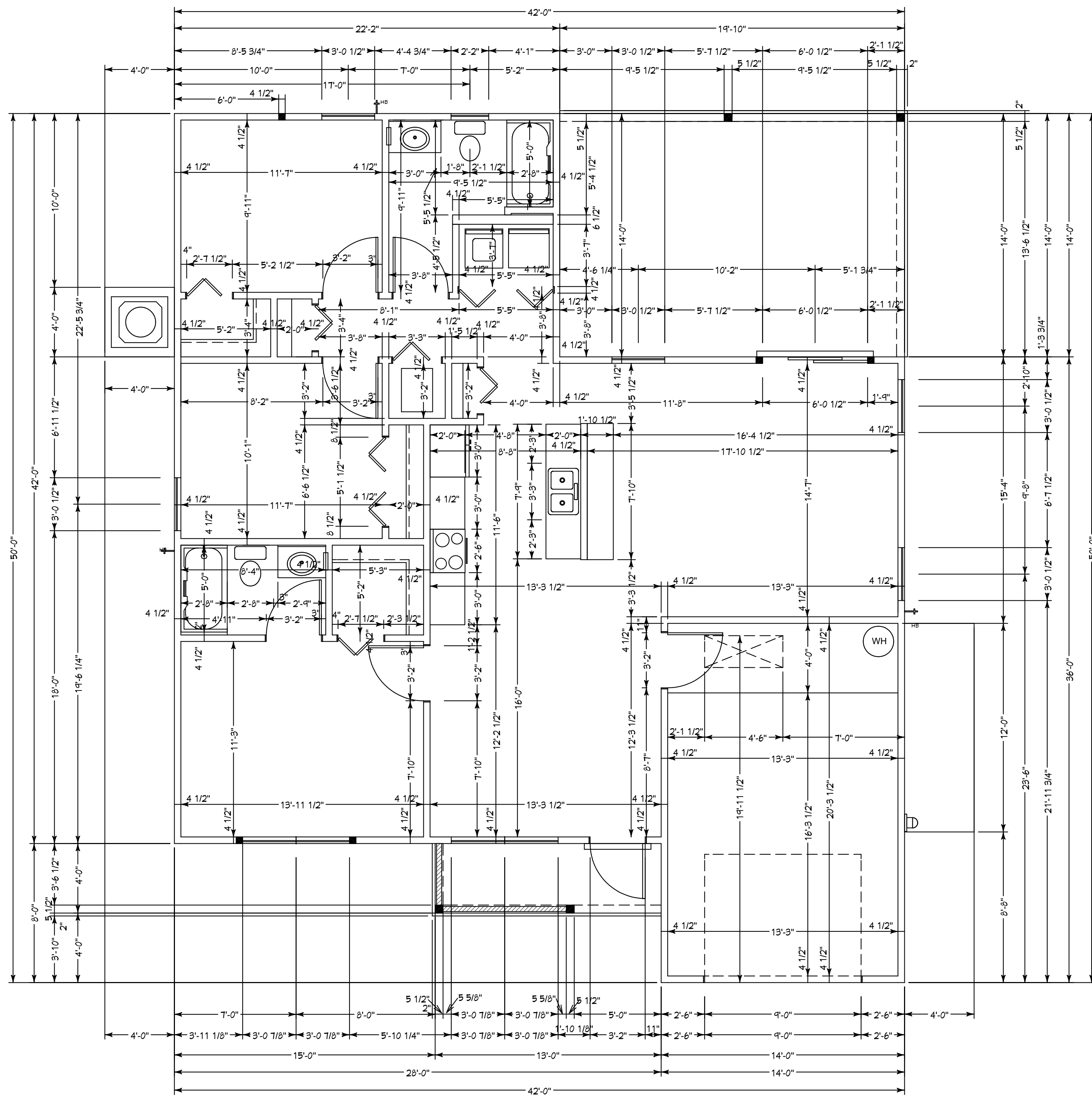
BUILDER: HABITAT FOR HUMANITY	
3 BEDROOM 2 BATH HOME / 160 MPH WIND LOADING	
NEW HOUSE FOR:	
LOT: / BLOCK: / UNIT: / SECTION: EAST	
TOWNSHIP: SOUTH/RANGE-	
STRAP#:	
ADDRESS:	

DRAWN BY	DAVID HICKS
DATE:	03-29-2021
SCALE:	1/4\"/>
JOB #	2024-041
SHEET	2 OF 7

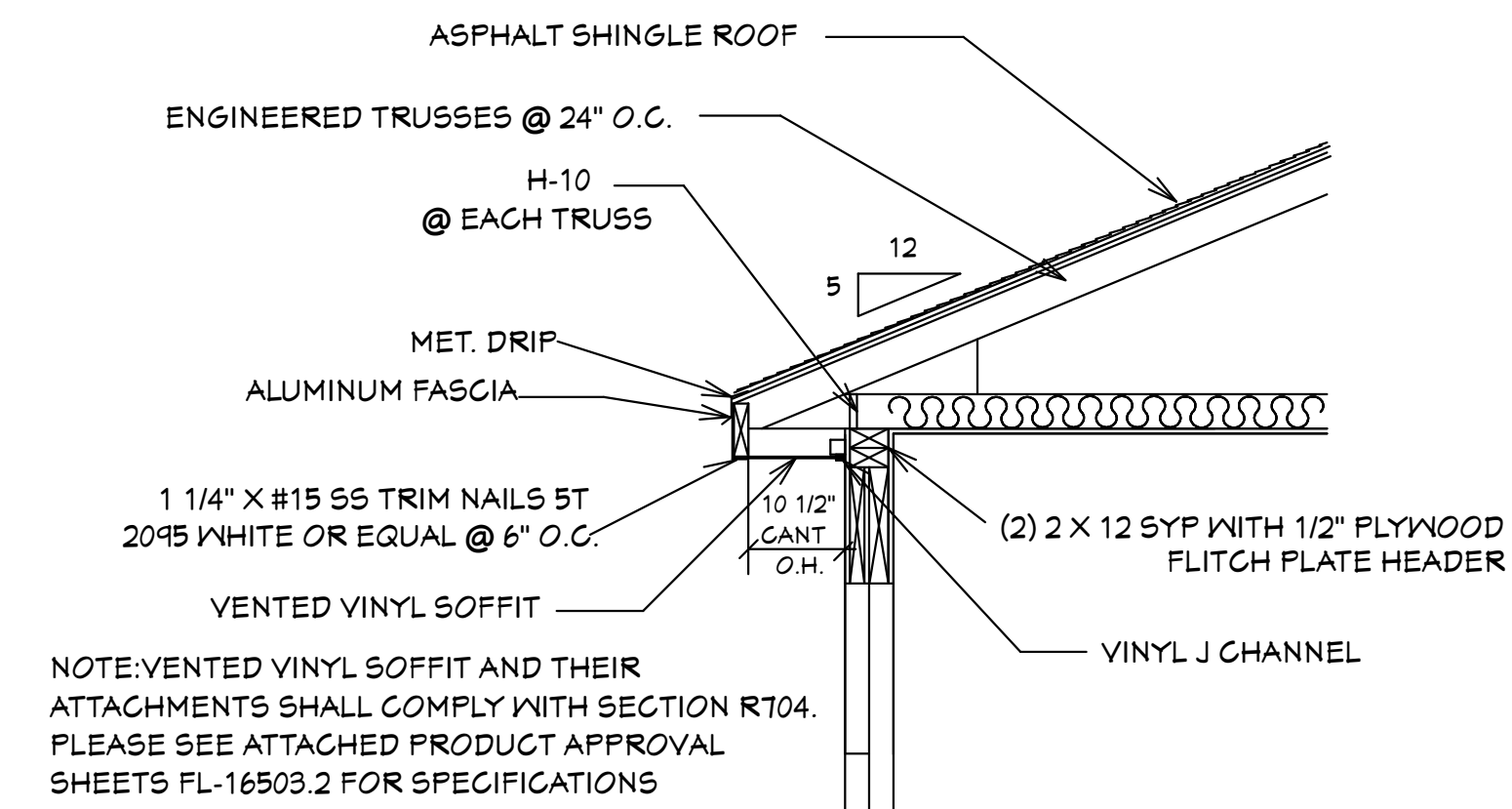


TYPICAL DOOR INSTALLATION DETAIL

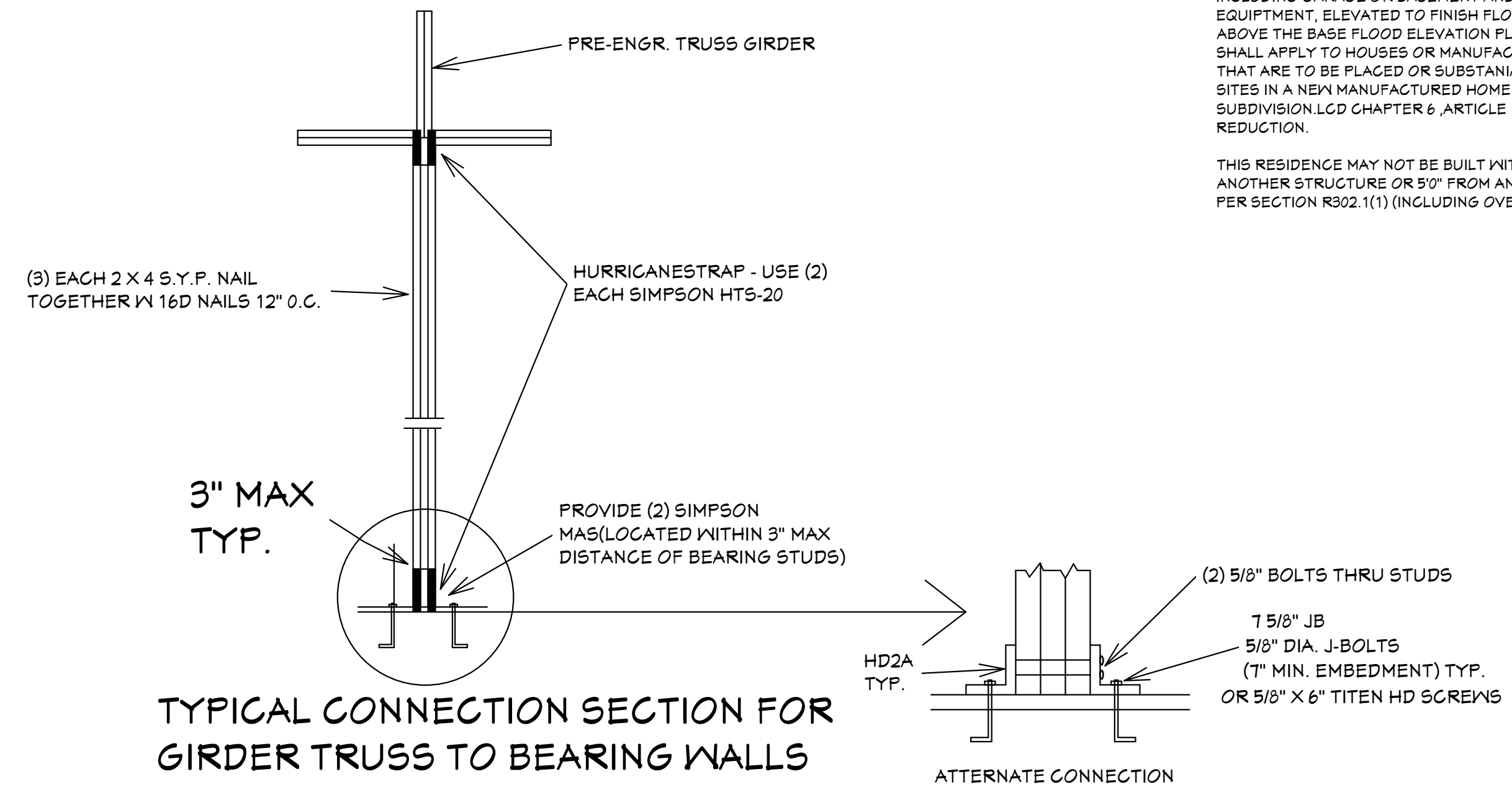
TYPICAL WINDOW INSTALLATION DETAIL



DIMENSIONAL FLOOR PLAN

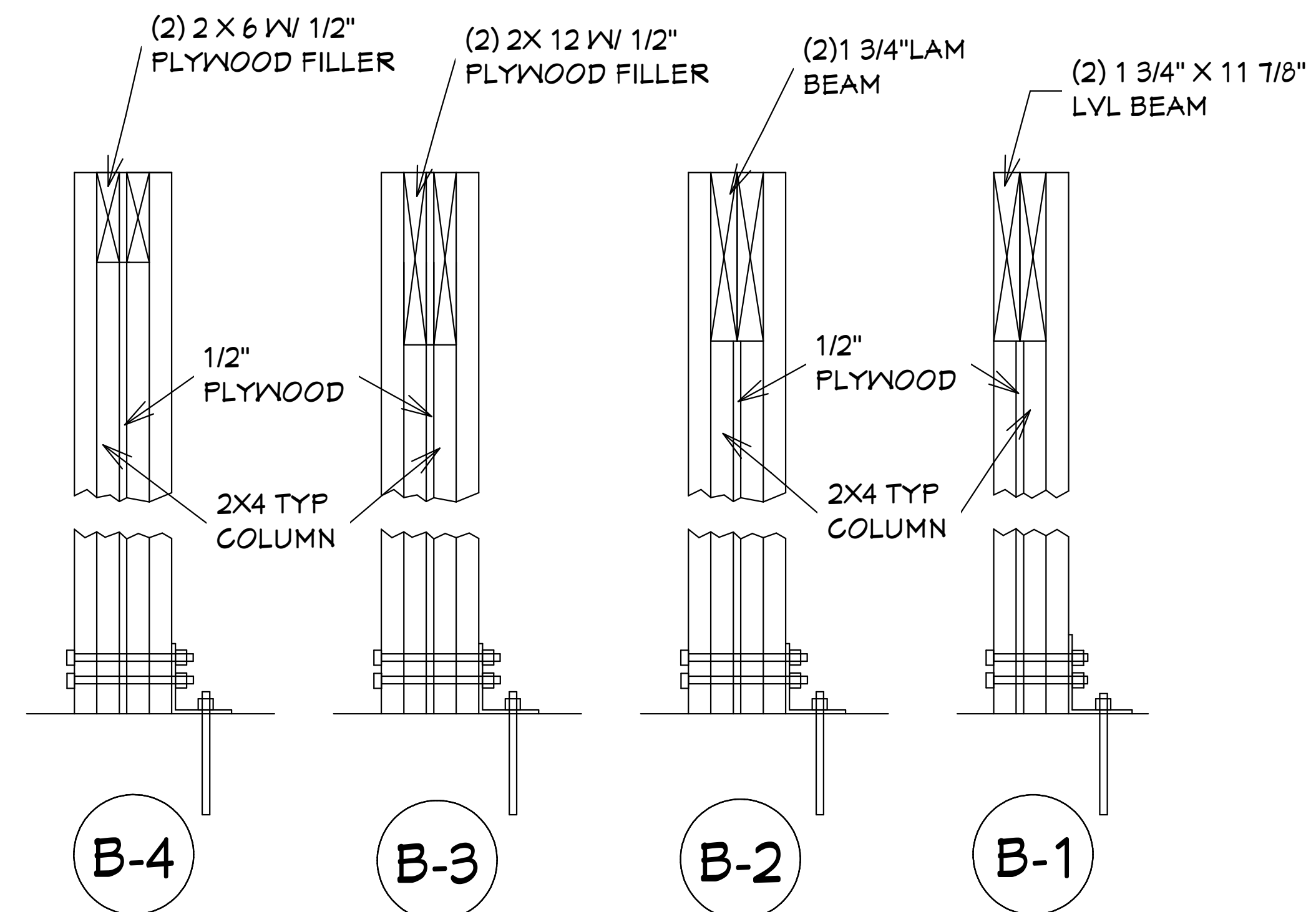


SOFFIT DETAIL R703.1.2.1
SCALE: N.T.S.



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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03-15-2024

REVISIONS:

05-25-2021
03-15-2024

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4216 5TH STREET NW
LEHIGH ACRES, FL 33971
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: EAST
TOWNSHIP: SOUTH/RANGE: EAST
STREET: ADDRESS:

DRAWN BY
DAVID HICKS

DATE: 03-29-2021

SCALE: 1/4" = 1'0"

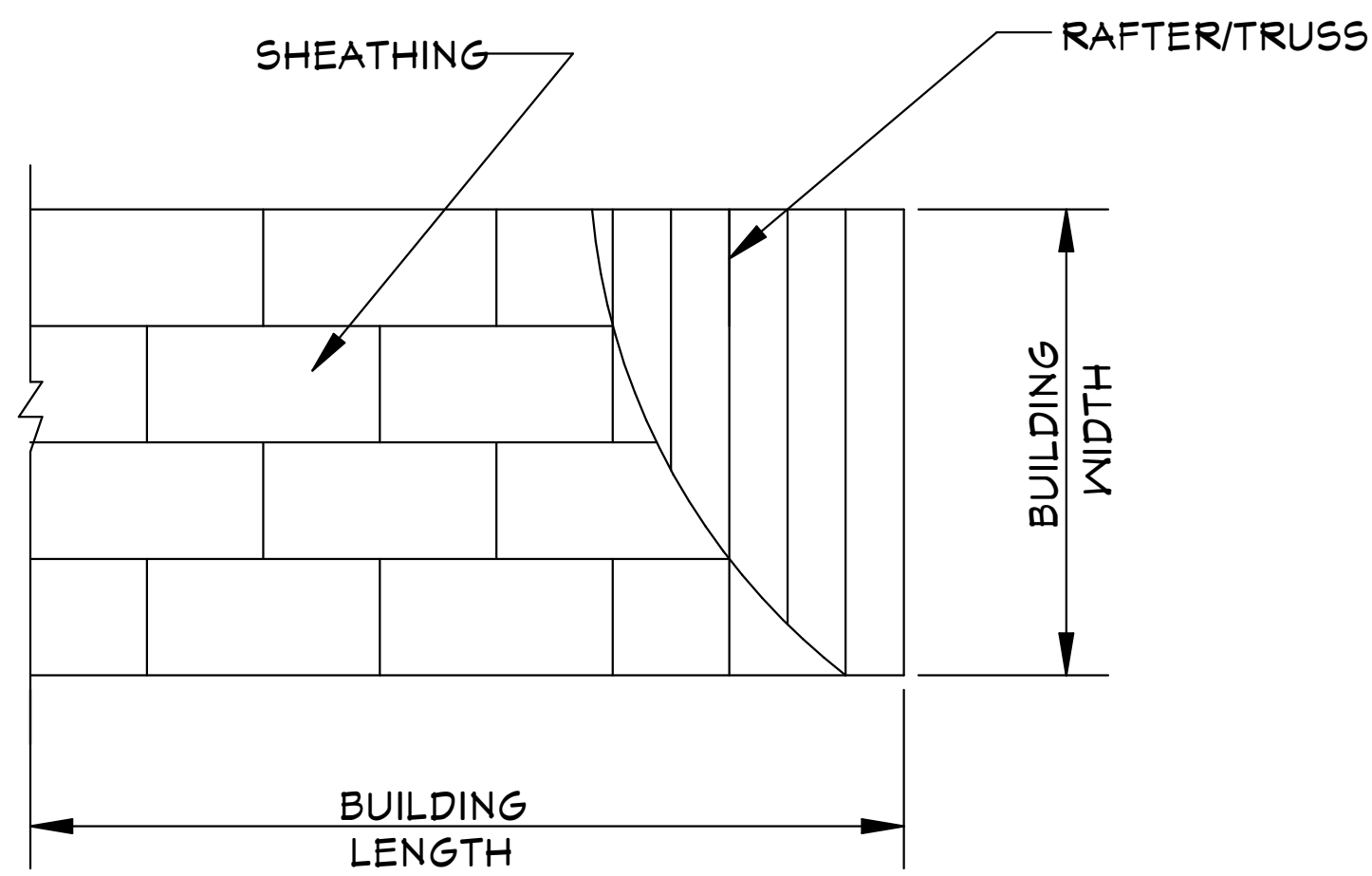
JOB # 2024-041

SHEET

3 OF 7 SHEET

SUGAR PALM 1 3/21 MODEL / RIGHT HAND GARAGE / MONO FOOTER / 2023 CODE / 10 1/2" CANT

03-15-2024 REVISIONS



ROOF SHEATHING LAYOUT FOR HIP ROOFS

N.T.S.

NOTE: ALL BRANCH CIRCUITS THAT SUPPLY 125-250 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.

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

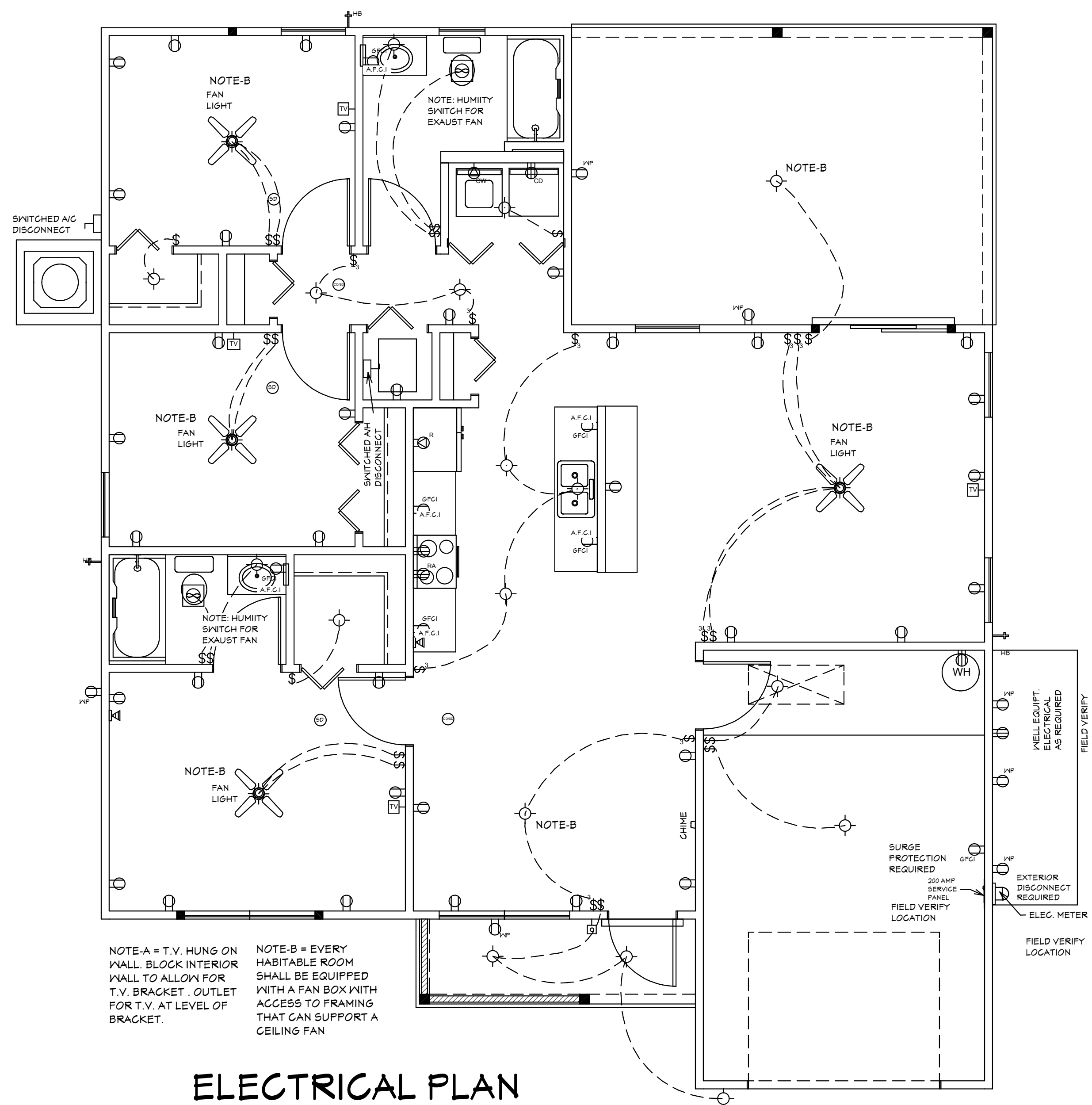
MINIMUM 24" CLEAR OPENING IS REQUIRED FOR ACCESS TO ONE TOILET ROOM PER FLORIDA HANDICAP ACCESSIBILITY REQUIREMENTS.

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



ELECTRICAL PLAN



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

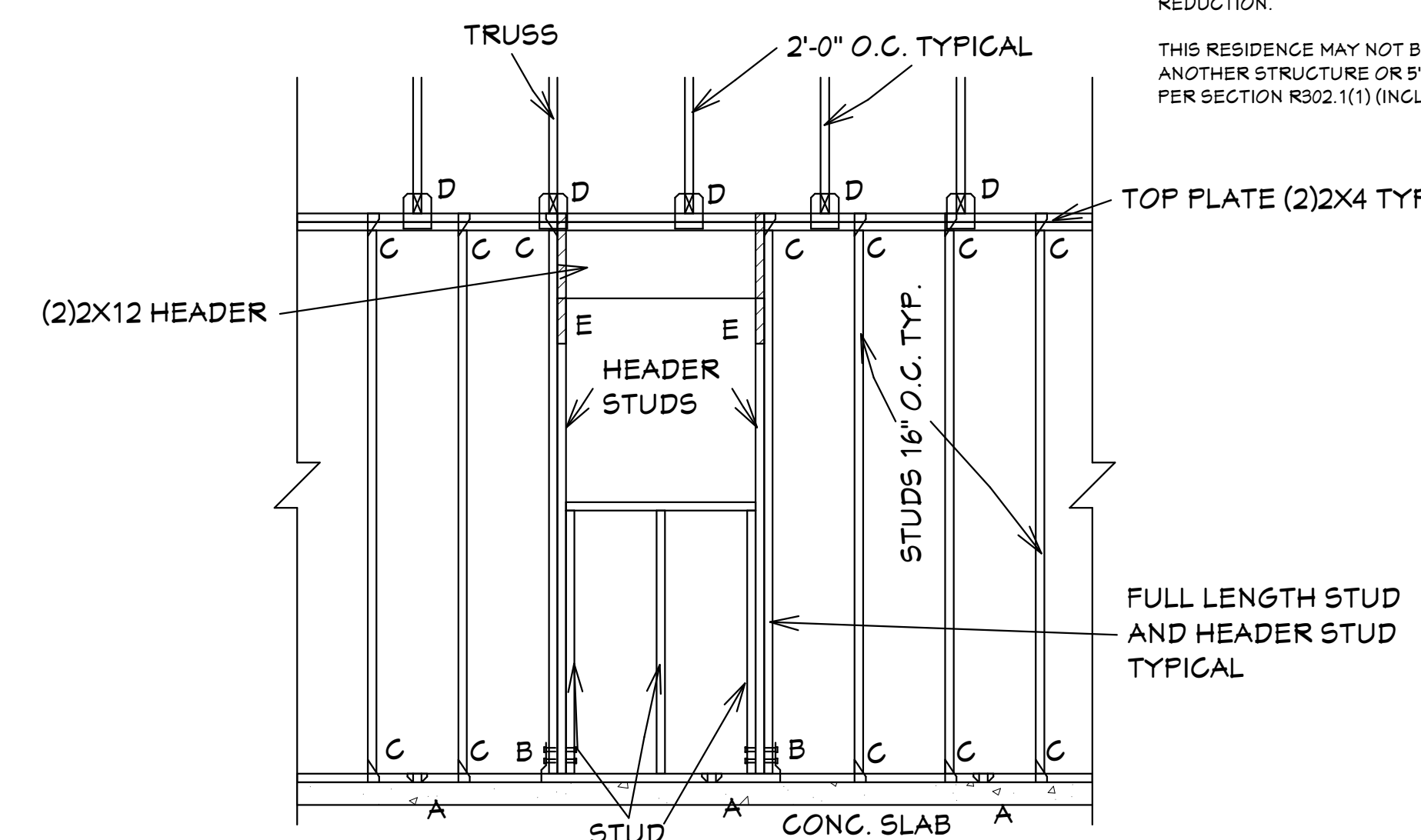
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 A/C QUALITY HOME P.E. # 92741

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03-15-2024

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



"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

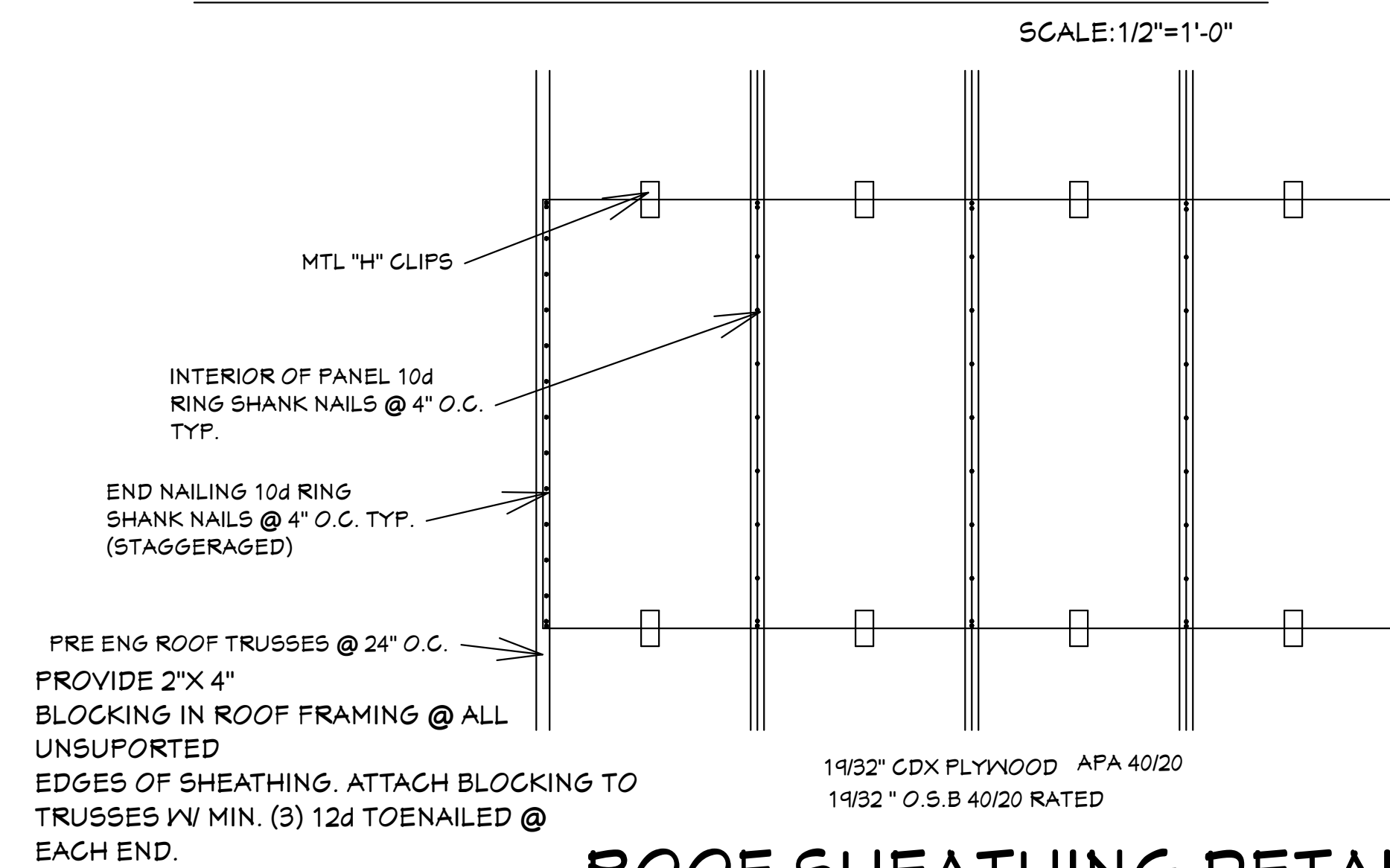
"C" SIMPSON H-2.5A OR H-3 OR EQUAL (STUD TO PLATE)

"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



ROOF SHEATHING DETAIL

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

REVISIONS:

05-25-2021
03-15-2024

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 LEHIGH ACRES, FL. 33971
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SUGAR PALM 1 3/21 MODEL / RIGHT HAND GARAGE / MONO FOOTER / 2023 CODE / 10 1/2" CANT

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

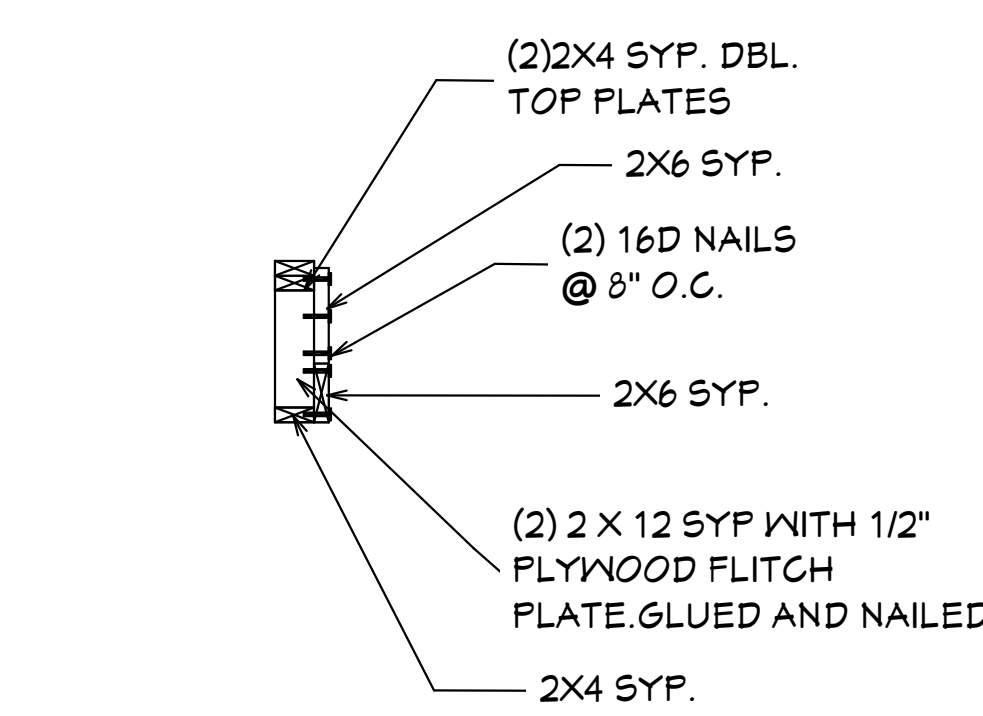
DATE: 03-29-2021

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

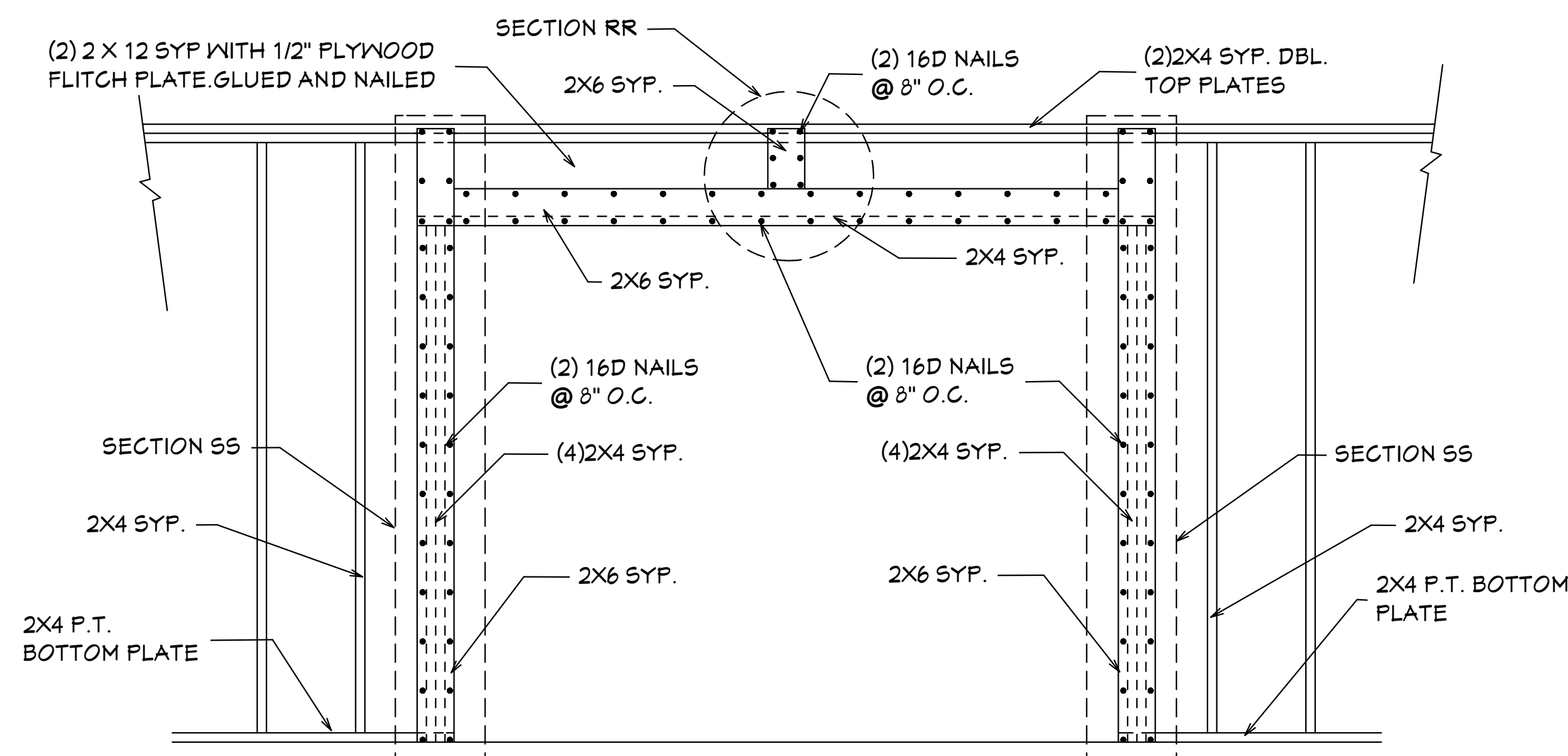
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SHEET
5 OF **7**

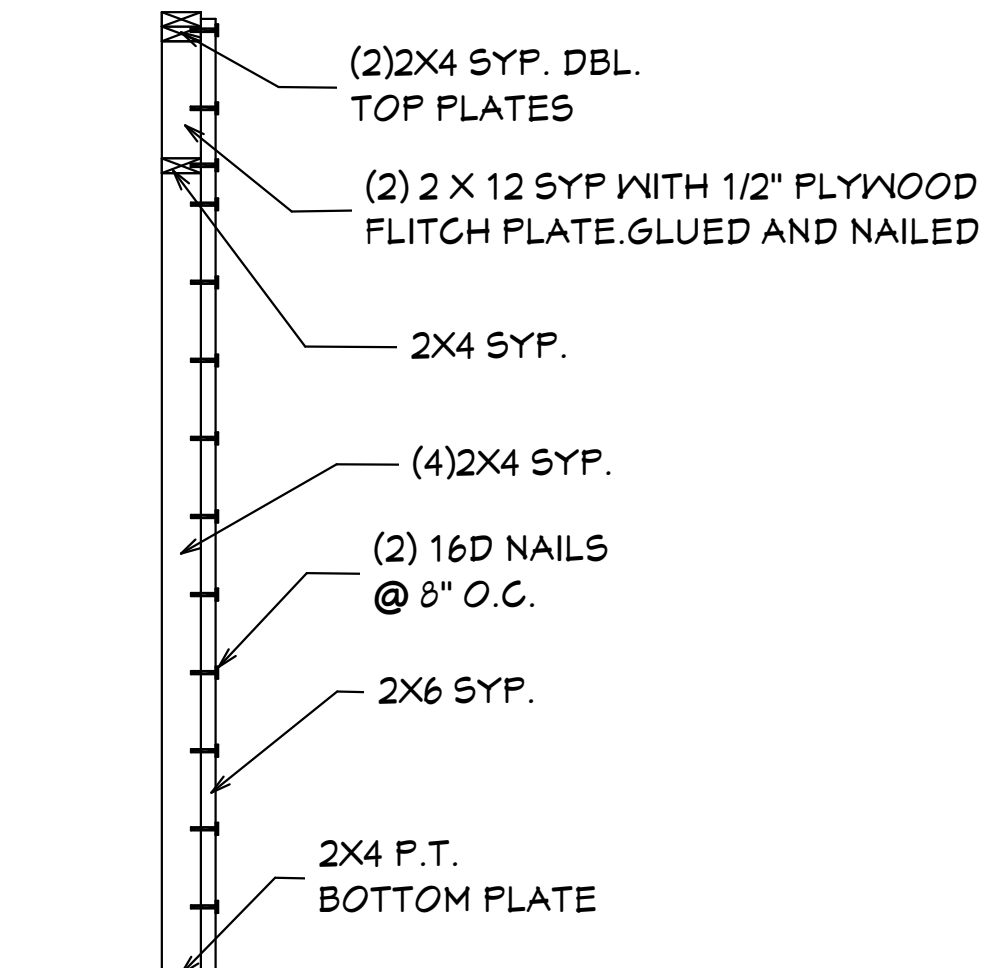
03-15-2024 REVISIONS



RR SECTION



OVERHEAD GARAGE DOOR BUCKING DETAIL



SS SECTION

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REVISIONS:

05-25-2021
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GENERAL

- This building/structure has been designed in accordance with the (8TH EDITION) OF THE 2023 Residential Edition of the Florida Building Code, CHAPTER 9 AND SECTION 1609 OF THE 8TH EDITION OF THE 2023 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 8th edition of the 2023 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 95TD 12, ASTM 1886 and ASTM E 1996, or Miami-Dade PA201, 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 9 of the 8TH EDITION OF THE 2023 RESIDENTIAL Edition AND SECTION 1609 of the 8TH EDITION OF THE 2023 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 8th edition of the 2023 RESIDENTIAL Edition of the Florida Building Code
- Nails, screws, or bolts shall be able to resist the forces specified in the 8th edition of the 2023 residential Florida Building Code, chapter 9
- 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 1.5 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, 6d = 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 T06.
- 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 P5F.
- 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 at 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.

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, 14% 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-3737 and AITC 117. Roof beams shall be designated 24F-V1 or 24F-E1.
- Plywood 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 8th edition of the 2023 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 8th edition of the 2023 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 shearwall segment shall be 2'-5".
- Studs shall be doubled at each end of each shearwall 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 shearwall 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 14/32 inch Exposure 1 C-D sheathing grade plywood OR 19/32" 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.

I, AL QUATTRONE HAVE REVIEWED TRUSS LAYOUT AND THE TRUSS CONNECTOR SCHEDULE BASED ON TRUSS LAYOUT BY RAYMOND BUILDING SUPPLY / RBS # 16073015M1 / DATED: 05-08-2021 / REVISED 11-21-2023 TO UPDATED TO NEW 2023 CODE

UPLIFT EXCEEDING #1000	TRUSS IDENTIFICATION	WINDLOAD CONNECTORS
1012	A-16	HTS-20

ALL OTHER TRUSSES:

WOOD FRAME	1000	H-10	(16)-8D X 1-1/2
MASONRY			

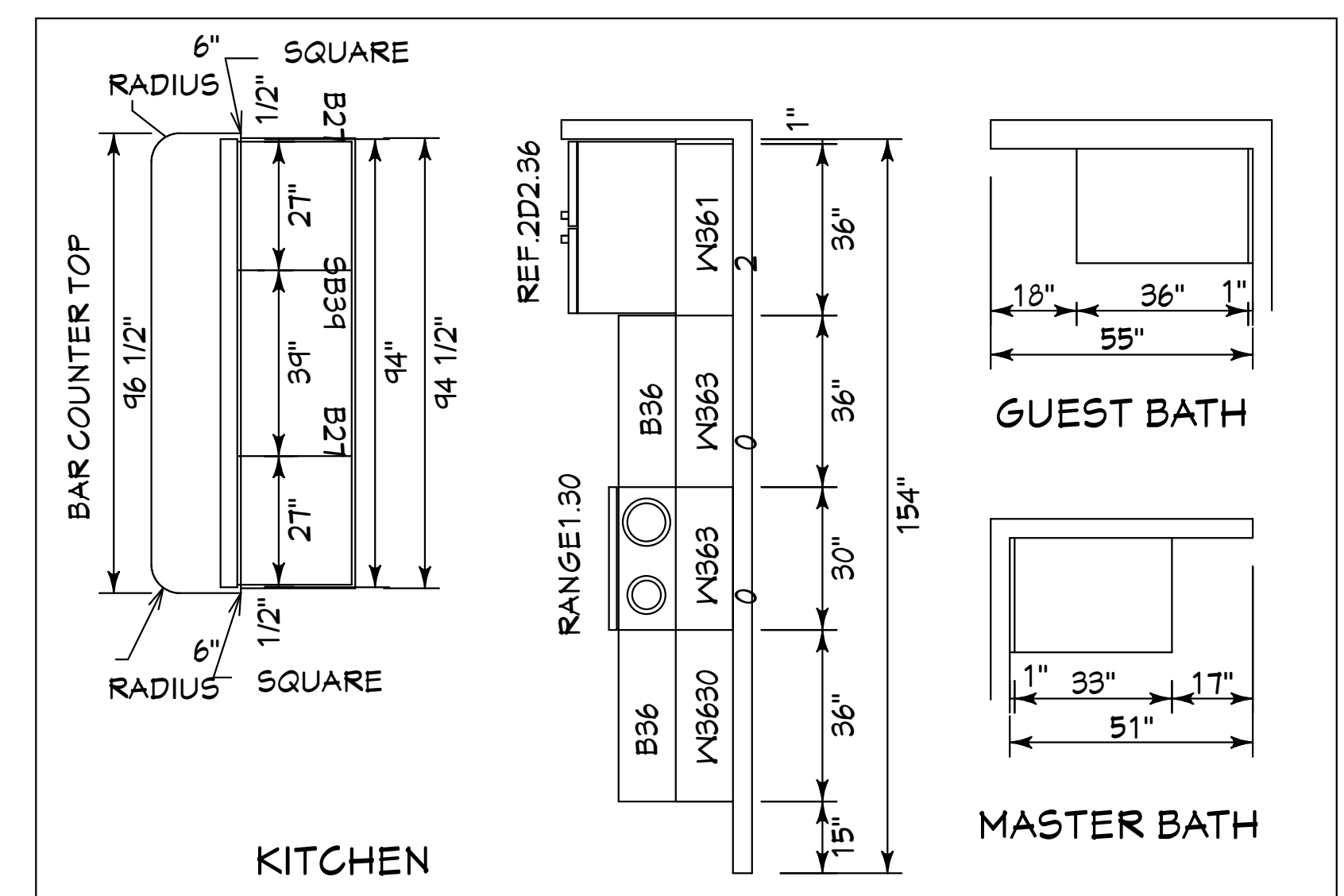
1. INFORMATION ABOVE FROM TRUSS DESIGN WHICH WAS PREPARED BY RAYMOND BUILDING SUPPLY, FT MYERS, FL. TRUSS DESIGNATIONS CORRESPOND WITH RAYMOND DOCUMENT.

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 1 3/21 MODEL / RIGHT HAND GARAGE / MONO FOOTER / 2023 CODE / 10 1/2" CANT

HICKS DRAFTING & DESIGN
4216 5TH STREET NW
LEHIGH ACRES, FL. 33471
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: EAST
TOWNSHIP: SOUTH/RANGE: EAST
STRAP#: ADDRESS:
ADDRESS:

DRAWN BY
DAVID HICKS

DATE: 03-29-2021

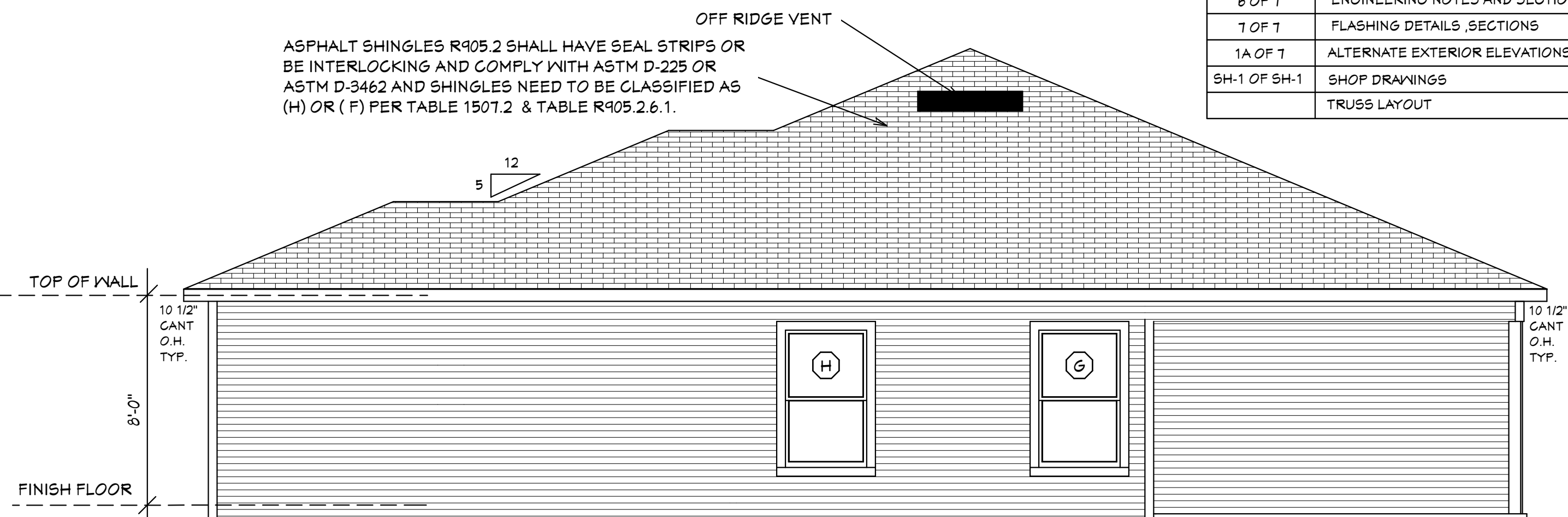
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JOB # 2024-041

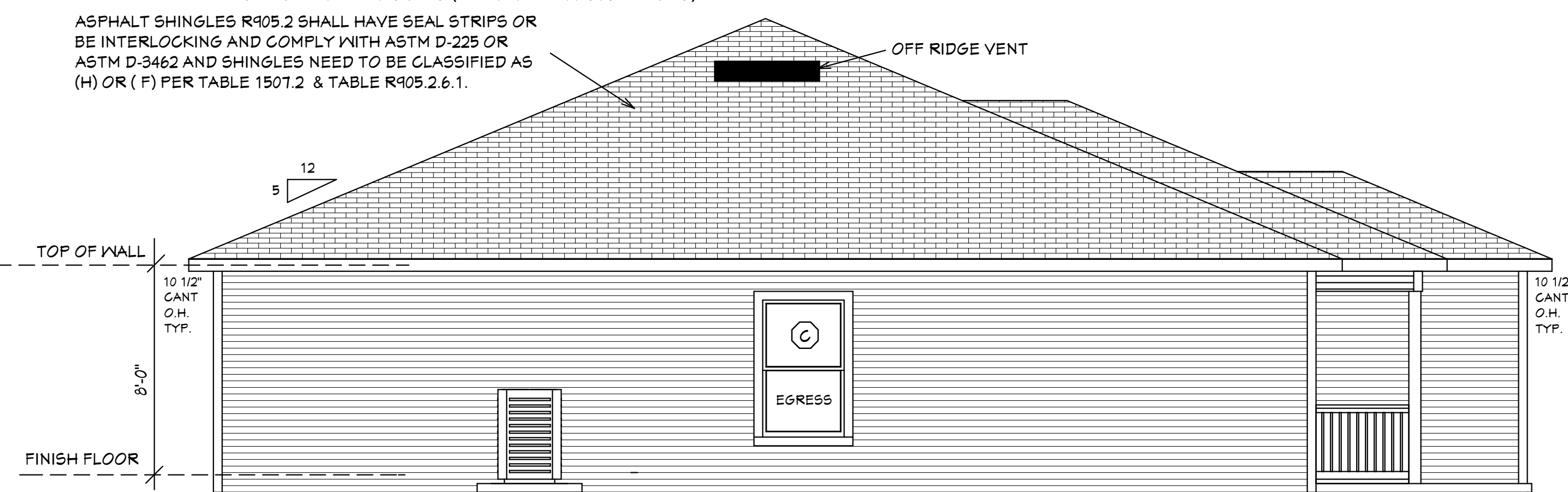
SHEET
6 OF 7 SHEET

03-15-2024 REVISIONS

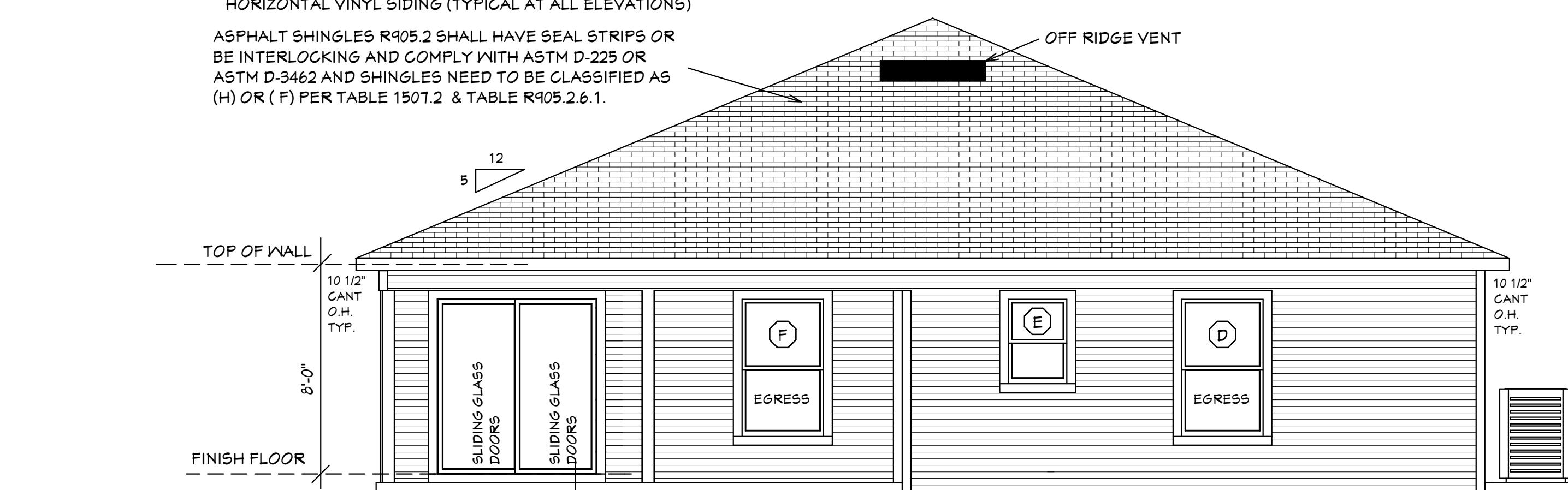
SHEET #	PLAN SCHEDULE
1 OF 7	EXTERIOR ELEVATIONS, ROOF PLANE PLAN, SECTIONS
2 OF 7	FOUNDATION PLAN, WALL SECTION, AND SECTIONS
3 OF 7	DIMENSIONAL FLOOR PLAN, SOFFIT DETAIL AND SECTIONS
4 OF 7	NOTED FLOOR PLAN, SCHEDULES, AND SECTIONS
5 OF 7	ELECTRICAL PLAN, ELECTRICAL SCHEDULE AND SECTIONS
6 OF 7	ENGINEERING 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
	TRUSS LAYOUT



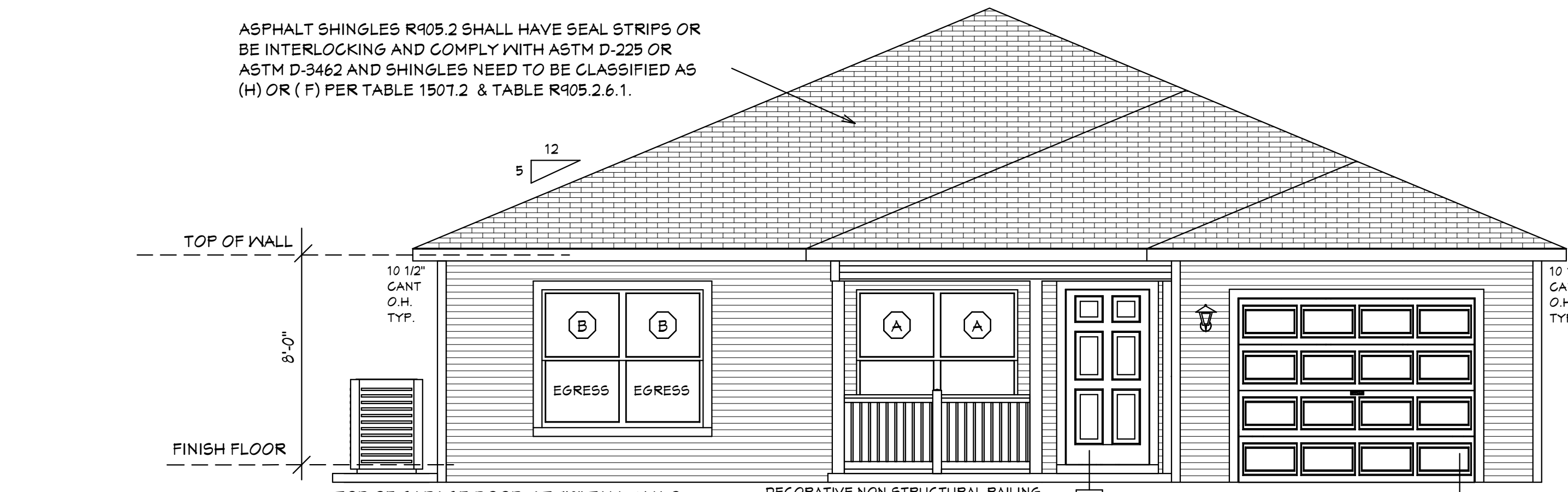
RIGHT SIDE ELEVATION



LEFT SIDE ELEVATION



BACK ELEVATION



FRONT ELEVATION

EXTERIOR ELEVATIONS

DESIGN PARAMETERS:

APPLICABLE CODES:
 BUILDING CODE = (8TH EDITION) OF THE 2023 FLORIDA RESIDENTIAL BUILDING CODE, BUILDING 2023
 MECHANICAL CODE = (8TH EDITION) OF THE 2023 FLORIDA RESIDENTIAL BUILDING CODE, MECHANICAL 2023
 PLUMBING CODE = (8TH EDITION) OF THE 2023 FLORIDA RESIDENTIAL BUILDING CODE, PLUMBING 2023
 ELECTRICAL CODE = NEC 2020
 FLORIDA FIRE PREVENTION CODE = 8TH EDITION
 LIFE SAFETY CODE = NFPA 101 8TH EDITION
 ACCESSIBILITY CODE = (8TH EDITION) OF THE 2023 FLORIDA RESIDENTIAL BUILDING CODE, BUILDING 2023
 ENERGY CODE = (8TH EDITION) OF THE 2023 FLORIDA RESIDENTIAL BUILDING CODE, BUILDING 2023

METHOD OF DESIGN:
 DESIGNED PURSUANT TO (8TH EDITION) OF THE 2023 FLORIDA RESIDENTIAL BUILDING CODE, BUILDING 2023, CHAPTER 3 AND SECTION 1604 OF THE (8TH EDITION) OF THE 2023 FLORIDA BUILDING CODE

BASIC WIND SPEED:
 110 MPH (ULTIMATE DESIGN) = 132.0 MPH (NOMINAL DESIGN)
 120 MPH (ULTIMATE DESIGN) = 144 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

TORNADO BASIC WIND SPEED:
 RISK CATEGORY II = N/A
 110 MPH (NORMAL DESIGN F3-SECOND GUST)
 140 MPH (NORMAL DESIGN F3-SECOND GUST)
 150 MPH (NORMAL DESIGN F3-SECOND GUST)

RAIN FALL INFORMATION:
 N/A SLOPED ROOF GREATER THAN 2/12
 RAINFALL DATA FROM FBC PLUMBING 2023 FIGURE 1106.1 IN 1HR.
 ROOF AREA IN SF

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)

CLASSIFICATION OF WORK:
 ALTERATION
 LEVEL 1
 LEVEL 2
 LEVEL 3
 NEW CONSTRUCTION
 CHANGE OF OCCUPANCY
 ADDITION / REMODEL
 HISTORIC BUILDING

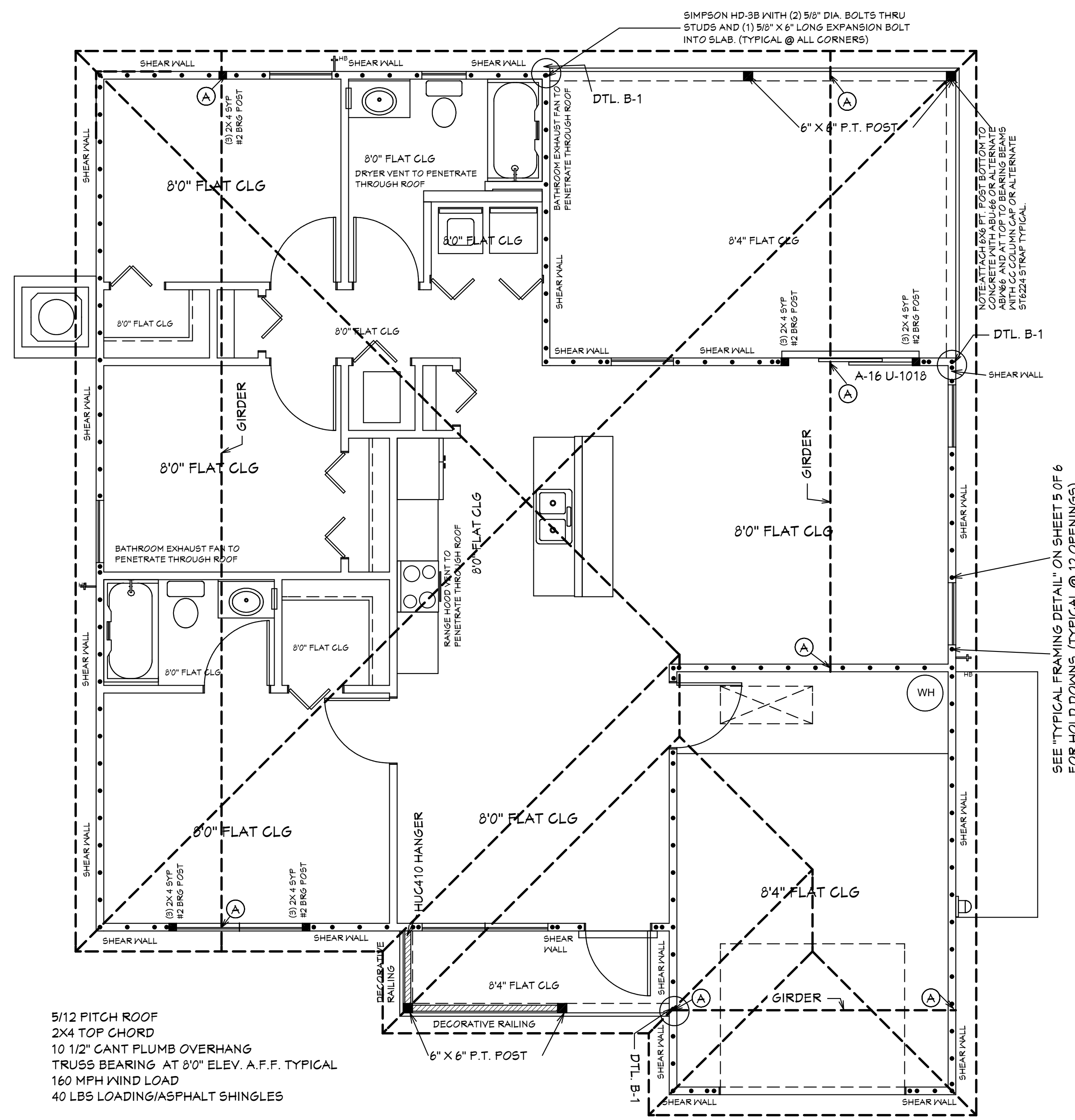
DESIGN LOAD BEARING VALUE OF SOIL 2000 PSF

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.
- HICKS DRAFTING & DESIGN DOES NOT ASSUME ANY RESPONSIBILITY FOR SUPERVISION OF CONSTRUCTION. CONTRACTOR TO ADHERE STRICTLY TO THE (8TH EDITION) OF THE 2023 FLORIDA RESIDENTIAL BUILDING CODE, CHAPTER 3, AND SECTION 1604 OF THE (8TH EDITION) OF THE 2023 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 50" FROM ANY PROPERTY LINE PER SECTION R302.1(1) (INCLUDING OVERHANGS)



ROOF PLANE PLAN

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

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 ABN66 AND AT TOP TO BEARING BEAMS WITH CG COLUMN CAP OR ALTERNATE ST6224 STRAP TYPICAL.

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

(A) ANCHOR GIRDER TRUSS WITH (1) SIMPSON HTS-20 (TYPICAL)
 (B) ANCHOR GIRDER TRUSS WITH (2) SIMPSON HTS-20 (TYPICAL)

Quattrone & Associates, Inc.
 Engineers, Planners, & Development Consultants
 4001 Veneta Shores Blvd Fort Myers, FL 33916 (239) 936-5322 QAC@aol.com
 AL 0041770016 P.E. # 92141

COMPLIANCE STATEMENT
 THESE PLANS HAVE BEEN DESIGNED BY A REGISTERED PROFESSIONAL ENGINEER AND THE DESIGN PARAMETERS FOR THE (8TH EDITION) OF THE 2023 FLORIDA RESIDENTIAL BUILDING CODE, CHAPTER 3 IN GENERAL AND SECTION 1604 OF THE (8TH EDITION) OF THE 2023 FLORIDA BUILDING CODE.

03-15-2024

REVISIONS:

05-25-2021
03-15-2024

HICKS DRAFTING & DESIGN
 4216 5TH STREET NW
 LEHIGH ACRES, FL. 33911
 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"

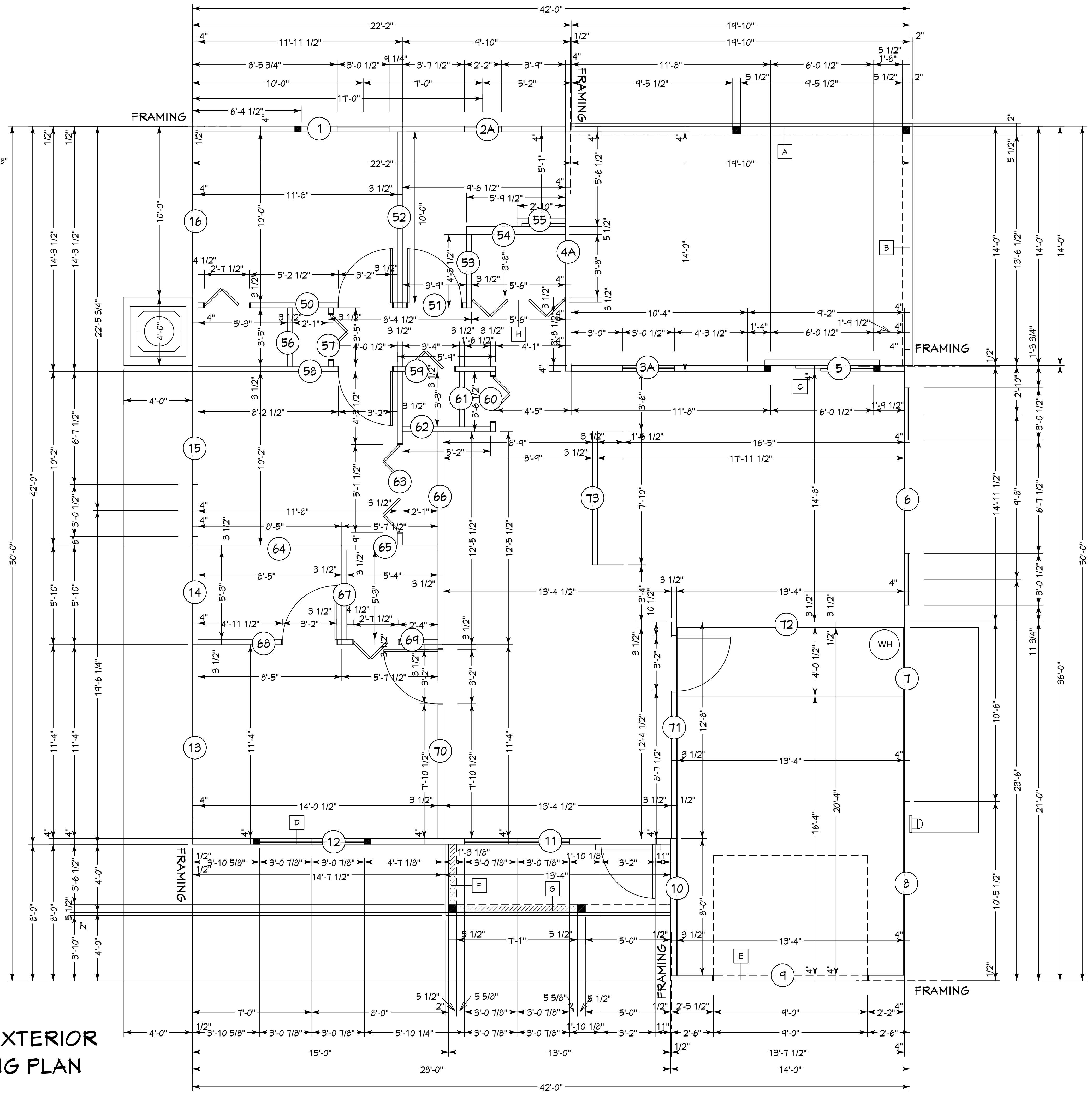
JOB # 2024-041

SHEET
 1A 7
 OF SHEET

MASTER PLAN
 I AL QUATTRONE APPROVE OF REPETITIVE USE OF PLANS FOR PERMITTING
 SUGAR PALM 1 3/21 MODEL / RIGHT HAND GARAGE / MONO FOOTER / 2023 CODE / 10 1/2" CANT
 03-15-2024 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	51	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)
41	74		
42	75		
43	76		
44	77		
45	78		
46	79		
47	80		

R.O. OPENINGS FOR DOORS AND WINDOWS
 (2) 3068 EXTERIOR SLIDING GLASS DOORS T2 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"



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.

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)

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 Certificate of Registration Number: 9465
 AL-004177096 P.E. # 92141

COMPLIANCE STATEMENT
 THESE PLANS HAVE BEEN DESIGNED BY A REGISTERED PROFESSIONAL ENGINEER AND THE DESIGN PARAMETERS FOR THE (8TH EDITION) OF THE 2023 FLORIDA RESIDENTIAL BUILDING CODE CHAPTER 9 IN GENERAL AND SECTION 1604 OF THE (8TH EDITION) OF THE 2023 FLORIDA BUILDING CODE.

03-15-2024

REVISIONS:

05-25-2021
03-15-2024

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 3 BEDROOM 2 BATH HOME /160 MPH WIND LOADING
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 ADDRESS:

DRAWN BY
 DAVID HICKS

DATE: 03-29-2021

SCALE: 1/4"=1'0"

JOB # 2024-041

SHEET
 SH-1 SH-1
 OF SHEET

SUGAR PALM 1 3/2/1 MODEL / RIGHT HAND GARAGE / MONO FOOTER / 2023 CODE / 10 1/2" CANT

03-15-2024 REVISIONS