

Jenkins Residence

HAVANNA WAY LAKE CITY, FL 32024

Columbia County

Parcel I.D. # 34-3S-16-02474-005

SCOPE OF WORK

THIS CONSTRUCTION PROJECT CONSISTS 2 BEDROOM ADDITION ON THE FRONT OF EXISTING HOME. ALL WORK SHALL CONFORM TO 2023 FLORIDA BUILD CODE

CLASSIFICATIONS OF WORK

THIS PROJECT SHALL BE CLASSIFIED AS AN ADDITION AS DEFINED IN CHAPTER 2 OF THE EIGHTH EDITION OF THE FBC EXISTING. ADDITIONS TO EXISTING BUILDINGS SHALL COMPLY WITH THE PROVISIONS OF CHAPTER 11.

METHODS OF COMPLIANCE

THIS PROJECT SHALL COMPLY WITH THE PRESCRIPTIVE COMPLIANCE METHOD DETAILED IN FBC EXISTING EIGHTH EDITION CHAPTER 3 SECTION 301.3.1 AND WITH THE PROVISIONS OF CHAPTER 5 AND THE FLORIDA FIRE PREVENTION CODE.

DRAWING INDEX

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-OFFICIAL USE-
FLOOD HAZARD DETERMINATION

NFLH FIRM NUMBER: 12023002900
FLOOD ZONE DESIGNATION: ZONE X
EFFECTIVE DATE: 11/02/2018

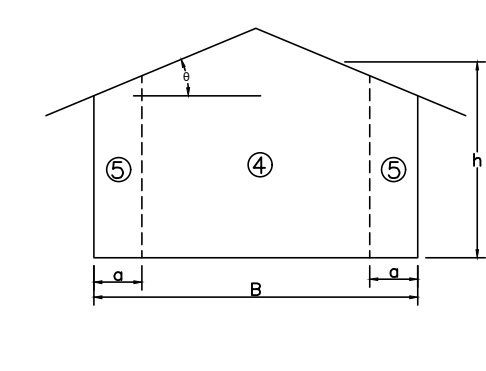
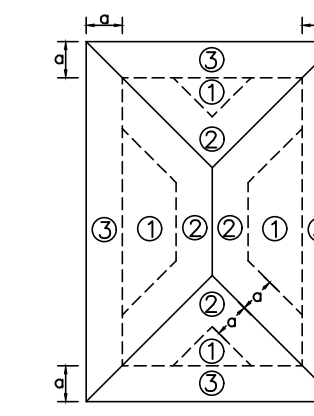
PROP. ADDITION 393 SQ. FT.

COMPONENT AND CLADDING WIND PRESSURES

ASCE/SEI 7-22 FIGURE 30.3-1 & FIGURE 30.3-2E

RISK CATEGORY II, EXPOSURE B
HIP ROOF ANGLE > 10° TO 20° (2:12 to 4.5:12)
MEAN ROOF HEIGHT = 0 - 15 FT

a = 10% of least horizontal dimension or 0.4h, whichever is smaller, but not less than either 4% of least horizontal dimension or 3 ft (0.9 m).



STRUCTURE

V_{ULT} = 130 MPH*
V_{ASD} = 101 MPH*

ZONE	EFFECTIVE AREA (SF)	WINDWARD PRESSURES	LEEWARD PRESSURES
1	10	18.4	-41.5
1	20	16.0	-36.7
1	50	16.0	-30.2
1	100	16.0	-25.4
2	10	18.4	-54.1
2	20	16.0	-48.7
2	50	16.0	-41.7
2	100	16.0	-36.4
3	10	18.4	-58.3
3	20	16.0	-52.5
3	50	16.0	-44.8
3	100	16.0	-38.9
4	10	24.7	-26.8
4	20	23.6	-25.7
4	50	22.1	-24.2
4	100	21.0	-23.1
5	10	24.7	-33.1
5	20	23.6	-30.9
5	50	22.1	-27.9
5	100	21.0	-25.7

OVERHANG

V_{ULT} = 130 MPH*
V_{ASD} = 101 MPH*

ZONE	EFFECTIVE AREA (SF)	LEEWARD PRESSURES
3	10	-87.6
3	20	-79.6
3	50	-68.9
3	100	-60.9

h = Mean Roof Height in Ft., Except that eave height shall be used for roof angles < 10°
B = horizontal dimension of building measured normal to wind direction.

* THIS DESIGN WIND SPEED TERM IS DEFINED BY 2023 FLORIDA BUILDING CODE 8TH EDITION SECTION 1609.3.1 AND 1609.3.1.1. THE DESIGN PRESSURES HEREIN ARE DERIVED FROM THE ASCE/SEI 7-22 DEFINED BASIC WIND SPEED, V AND WIND SPEED MAPS FIGURE 26.5-1B FOR RISK CATEGORY II AND CHAPTER 30 PART 1 FOR COMPONENT AND CLADDING DESIGN PRESSURE VALUES. FOR ASD PRESSURES, MULTIPLY TABLE VALUES BY 0.6.

CONSTRUCTION NOTES

- ALL WORK SHALL CONFORM TO THE FBC 8TH EDITION 2023 RESIDENTIAL, ENGINEER NOTES, ANY APPLICABLE CODES AND LOCAL ORDINANCES.
- DIGGING OR GRADING: CONTRACTOR SHALL VERIFY LOCATION OF THE EXISTING UNDERGROUND AND ABOVE GROUND UTILITIES PRIOR TO COMMENCEMENT.
- PROJECT MANAGER SHALL VERIFY ALL DIMENSIONS AND LAYOUT PRIOR TO CONSTRUCTION. SHOULD A DISCREPANCY BE ENCOUNTERED, ENGINEER SHALL BE NOTIFIED IMMEDIATELY BEFORE COMMENCING WITH ANY FURTHER WORK.
- ALL CONCRETE WORK SHALL BE PERFORMED IN ACCORDANCE WITH ACI 318-19.
- FOOTING DESIGN IS BASED ON MINIMUM SOIL BEARING CAPACITY OF 2,000 PSF.
- STRUCTURAL STEEL SHALL CONFORM TO ASTM A36, FABRICATED AND ERECTED PER LATEST AISC SPECIFICATIONS.
- DETAILING, PLACEMENT, AND FABRICATION OF REINFORCING STEEL SHALL BE IN ACCORDANCE WITH ACI 315-18 GUIDE TO PRESENTING REINFORCING STEEL DESIGN DETAILS.
- ALL REINFORCING STEEL SHALL CONFORM TO ASTM A615, GRADE 60.
- REINFORCING BAR SPLICES SHALL BE 40 BAR DIAMETERS, MINIMUM OF 25 INCHES AND HOOKS SHALL MEET ACI STANDARDS.
- PROVIDE (1) #5 ROUND 90 DEGREE BENT BAR AT CORNERS INTERSECTING OF BOND BEAMS AND FOOTINGS, PROVIDE (1) #5 ROUND 90 DEGREE BENT BAR REINFORCING BETWEEN VERTICAL GROUT CELLS, FOOTINGS AND BOND BEAMS.
- CONCRETE TRADE CONTRACTOR WILL INSTALL (1) #5 BAR, TIED TO FOOTING REINFORCEMENT AND EXTENDED UP AND BEYOND FOOTING FOR ELECTRICAL GROUNDING ROD.
- CONTRACTOR TO VERIFY ALL BLOCK AND FRAME WALL BEARING HEIGHTS WITH TRUSS COMPANY BEFORE CONSTRUCTION.
- PRE-ENGINEERED WOOD ROOF TRUSSES AND/OR FLOOR TRUSSES SHALL BE DESIGNED BY A PROFESSIONAL ENGINEER REGISTERED AND LICENSED IN THE STATE OF FLORIDA. SIGNED AND SEALED SHOP DRAWINGS SHALL BE SUPPLIED TO THE CONTRACTOR FOR REVIEW PRIOR TO COMMENCEMENT OF WORK.
- ALL STRUCTURAL LUMBER SHALL BE SOUTHERN PINE #2 OR BETTER UNLESS OTHERWISE NOTED.
- UNLESS OTHERWISE NOTED ALL ANGLED WALLS ARE TO BE PLACED AT A 45 DEGREE ANGLE.
- ALL INTERIOR DIMENSIONS ARE TO THE BLOCK WALL AND NOT THE FURRING STRIP.
- PROVIDE A MINIMUM OF 1/2" ROUND SLEEVE ANCHORS WITH OR 1/2" TITEN H.D. WITH WASHERS TO ATTACH PRESSURE TREATED WOOD BLOCKING TO THE MASONRY WORK AT 24 INCHES ON CENTER, UNLESS OTHERWISE NOTED.
- ALL WOOD IN CONTACT WITH CONCRETE OR MASONRY SHALL BE PRESURE TREATED.
- INTERIOR PARTITION WALLS: PROVIDE 1/2" INCH GYPSUM BOARD, TAPED, FLOATED, SANDED, WITH TWO COATS OF PAINT OVER 2 X 4 WOOD STUDS AT 16" INCHES ON CENTER UNLESS NOTED OTHERWISE.
- HVAC TRADE CONTRACTOR SHALL VERIFY ALL DUCT & VENT LOCATIONS WITH ON-SITE SUPERVISOR, AS WELL AS TO ENSURE PROPER POWER REQUIREMENTS WITH ELECTRICAL TRADE.
- PLUMBING TRADE CONTRACTOR MUST INSTALL BACK-FLOW PREEMPTERS ON ALL HOSE BIBS, AND IRRIGATION SYSTEMS.
- GLAZING IN HAZARDOUS LOCATIONS SHALL BE SAFETY GLAZED PER FBC 8TH EDITION RESIDENTIAL R308 REFER TO WINDOW MANUFACTURER FOR ATTACHMENT REQUIREMENTS.
- ALL BEDROOMS WILL HAVE APPROVED EMERGENCY EGRESS OPENINGS.
- ELECTRICAL TRADE CONTRACTOR WILL COORDINATE WITH CONTRACTOR ON-SITE SUPERVISOR WHEN PLACING ALL POWER & LIGHTING FIXTURES TO ENSURE PROPER LOCATION AND FUNCTIONALITY. ALL ELECTRICAL WIRING TO BE COPPER.
- ALL DRYERS AND EXHAUST FANS TO BE VENTED TO EXTERIOR OF HOME.
- LIGHT FIXTURES IN BATHROOMS SHALL COMPLY WITH ART. 410-10 PER NFPA 70-20.
- ALL ELECTRICAL RECEPTACLES WITHIN BEDROOMS WILL BE ARC FAULT CIRCUIT INTERRUPTED.
- NOTICE MUST BE PROVIDED TO PROJECT MANAGER PRIOR TO ANY CHANGES FOR ALL FIELD CORRECTIONS.
- SEE TRUSS LAYOUT FOR ANY SUPPLEMENTAL TRUSS BRACING.
- ANY REFERENCE SHOWN FOR A SCREEN ENCLOSURE OR POOL SHALL BE PERMITTED INDEPENDENTLY BY A LICENSED ALUMINUM CONCRETE OR POOL CONTRACTOR, POSSIBLY TO BE CONSTRUCTED AT A FUTURE DATE.
- ROOF SHINGLES SHALL EXTEND PAST THE EAVES DRIP 1/2" MINIMUM 3/4" MAXIMUM
- RESISTANCE CONNECTORS MAY BE INTERCHANGED WITH ANOTHER CONNECTOR THAT PROVIDES EQUAL OR GREATER RESISTANCE.
- EXTERIOR WALL COVERINGS CEMENTITIOUS FINISH WEEP SCREED SHALL NOT BE INSTALLED CLOSER THAN 4" TO GRADE IN COMPLIANCE W/ FBC 8TH EDITION RESIDENTIAL PER SECTION 703.7 AND APPLICATION REQUIREMENTS SHALL COMPLY WITH ASTM C926, C932, C1063, C1787.
- OPENINGS AND PENETRATIONS THROUGH THE WALLS OR CEILINGS SEPARATING THE DWELLING FROM THE GARAGE SHALL BE IN ACCORDANCE WITH SECTIONS R302.5.1 THRU R302.5.3
- THE GARAGE SHALL BE SEPARATED AS REQUIRED BY TABLE R302.6. W/ NOT LESS THAN 1/2" GYPSUM BOARD OR EQUIVALENT APPLIED TO GARAGE SIDE OF WALL. THIS PROVISION DOES NOT APPLY TO GARAGE WALLS THAT ARE PERPENDICULAR TO THE ADJACENT DWELLING UNIT WALL.
- ENCLOSED SPACE UNDER STAIRS THAT IS ACCESSED BY A DOOR OR ACCESS PANEL SHALL HAVE WALLS, UNDER-STAIR SURFACE AND ANY SOFFITS PROTECTED ON THE ENCLOSED SIDE WITH 1/2" GYPSUM BOARD.
- CONTRACTOR / OWNER SHALL PROVIDE ON-SITE THE FLORIDA PRODUCT APPROVAL INFORMATION INCLUDING MANUFACTURER'S APPROVED INSTALLATION SPECIFICATIONS AND/OR GUIDELINES FOR ALL COMPONENTS AND CLADDING ASSEMBLIES ASSOCIATED WITH THE EXTERIOR ENVELOPE.
- ALL APPLIANCES SHALL BE INSTALLED AND PROTECTED PER M1307.3.1 AND P2801.6 PER THE FBC 8TH EDITION (2023) RESIDENTIAL.
- FOAM PLASTIC SHALL BE SEPARATED FROM THE INTERIOR OF A BUILDING BY AN APPROVED THERMAL BARRIER OF NOT LESS THAN 1/2" GYPSUM WALLBOARD, 23/32" WOOD STRUCTURAL PANEL OR A MATERIAL THAT IS TESTED IN ACCORDANCE WITH AND MEETS THE ACCEPTANCE CRITERIA OF BOTH THE TEMPERATURE TRANSMISSION FIRE TEST AND THE INTEGRITY FIRE TEST OF NFPA 275, PER FBCR 316.4, IF FOAM PLASTIC (ICYNENE) IS TO BE INSTALLED.
- EXTERIOR PLASTER AND WIRE LATH TO BE INSTALLED PER SECTION R703.7 AND ASTM C1063 OR C1787 STANDARD SPECIFICATIONS FOR INSTALLATION OF METAL LATH.
- FIRELOCKING SHALL BE INSTALLED PER FBC RESIDENTIAL EIGHTH EDITION 2023 PER SECTION R302.11 WHEN REQUIRED.

GENERAL NOTES

ANY REFERENCE TO CONTRACTOR SHALL ALSO INCLUDE ALL SUBCONTRACTORS AS THEY RELATE TO ANY AND ALL NOTES THROUGH OUT THESE PLANS

- DRAWINGS SHALL BE USED IN CONJUNCTION WITH THE SPECIFICATIONS AND OTHER PROJECT DRAWINGS BY OTHER DISCIPLINES. ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE CODES LISTED.
- CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND ELEVATIONS RELATING TO EXISTING CONDITIONS BY MAKING FIELD SURVEYS AND MEASUREMENTS PRIOR TO COMMENCING FABRICATION OR CONSTRUCTION. ANY DISCREPANCIES ARE TO BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO CONSTRUCTION.
- CONTRACTOR SHALL REVIEW AND VERIFY ALL DRAWINGS, NOTES, DETAILS AND DIMENSIONS PRIOR TO START OF CONSTRUCTION, AND TO REPORT, IN WRITING, ANY DISCREPANCY TO THE ENGINEER, PRIOR TO CONSTRUCTION, FOR CORRECTION. ENGINEER IS NOT RESPONSIBLE FOR ERRORS OR OMISSIONS NOT BROUGHT TO HIS ATTENTION PRIOR TO START OF CONSTRUCTION. IF DETAILS, NOTES, AND/OR CALLOUTS ARE FOUND TO BE IN CONFLICT THE MORE RESTRICTIVE DIRECTIVE SHALL GOVERN.
- THE CONTRACTOR SHALL ENSURE THAT ALL CONSTRUCTION METHODS USED WILL NOT CAUSE DAMAGE TO ADJACENT BUILDINGS, UTILITIES, OR OTHER PROPERTY. THIS REQUIREMENT IS PARTICULARLY IMPORTANT DURING FOUNDATION INSTALLATION.
- DELEGATE ENGINEER REQUIREMENTS: THE FLORIDA STATE BOARD OF PROFESSIONAL ENGINEERS HAS CREATED RULES CONCERNING ENGINEER OF RECORD'S DELEGATING CERTAIN DESIGN OF COMPONENTS TO ANOTHER ENGINEER, PURSUANT TO FAC 61G15-30 DELEGATE ENGINEER SHALL REVIEW THESE PLANS FOR WRITTEN ENGINEERING REQUIREMENTS. DELEGATE ENGINEER SHALL SUBMIT FINAL DOCUMENTS DIRECTLY TO ENGINEER OF RECORD.
- UNLESS NOTED OTHERWISE, EXTERIOR DIMENSIONS SHOWN DO NOT INCLUDE THICKNESS OF EXTERIOR WALL COVERINGS. ALL INTERIOR DIMENSIONS TO BLOCK WALLS EXTEND TO BLOCK FACE AND DO NOT ACCOUNT FOR FURRING STRIP, RIGID INSULATION, OR DRYWALL.
- COPYRIGHT INDEMNIFICATION: CLIENT DOES HEREBY ACKNOWLEDGE THAT ANY PLANS, IDEAS, OR CONCEPTUALS GIVEN TO K&K DRAFTING AND DESIGN LLC HAVE BEEN PURCHASED BY SAID CLIENT AND THAT THEY HAVE RECEIVED CONSENT FROM THE ORIGINAL COPYRIGHT REGISTRANT TO BE USED IN PRODUCTION OR FABRICATION OF PLANS. CLIENT WILL INDEMNIFY AND HOLD K&K DRAFTING AND DESIGN LLC, ITS OFFICERS, OFFICIALS, EMPLOYEES, AND VOLUNTEERS HARMLESS FROM ANY AND ALL CLAIMS, INJURIES, DAMAGES, LOSSES OR SUITS INCLUDING ATTORNEY FEES, ARISING OUT OF OR RESULTING FROM THE ACTS, ERRORS OR OMISSIONS, OR RESULTING FROM LEGALITIES IN RELATION TO OWNERSHIP, DESIGN PROPERTIES, DESIGN ORIENTATION, OR ANY AND ALL COPYRIGHT DISPUTES.

BUILDING PARAMETERS

OCCUPANCY: SINGLE-FAMILY RESIDENTIAL-R3

TYPE OF CONSTRUCTION: UNPROTECTED ORDINARY FBC V-B, FFPC V(000)

FIRE SPRINKLER: NO
SEISMIC & WIND RISK CATEGORY: II

HEIGHT / AREA LIMITATIONS

PARAMETER	ACTUAL	LIMIT
HEIGHT	11 FT 8 IN	55 FT
AREA	2,235 SF	UL
STORIES	1	3

CODES AND REFERENCES

- GENERAL: FLORIDA BUILDING CODE EXISTING, 8TH EDITION (2023)
FLORIDA BUILDING CODE BUILDING, 8TH EDITION (2023)
FLORIDA BUILDING CODE RESIDENTIAL, 8TH EDITION (2023)
- ASCE 7-22 MIN. DESIGN LOADS AND ASSOCIATED CRITERIA FOR BUILDINGS AND OTHER STRUCTURES
ICC 600-20 STD. FOR RES. CONSTRUCTION IN HIGH-WIND AREAS
NFPA 70-20 NATIONAL ELECTRIC CODE
ACI 318-19 BLD. CODE REQUIREMENTS FOR STRUCTURAL CONC.
ANSI/AISC 360-16 SPECIFICATIONS FOR STEEL BUILDINGS
ANSI/AWC WFCM-2018 WOOD FRAME CONSTRUCTION MANUAL
ANSI/AWC NDS-2018 WOOD CONSTRUCTION W/ 2018 SUPPM
ANSI/AWC SDPSW-2021 SPECIAL DSN. PROVISIONS FOR WIND
AISJ S230 2019 STD FOR COLD FORMED STEEL FRAMING-RES.

ENGINEER NOTES

- TRUSS SHALL BE DESIGNED BY DELEGATED ENGINEER AND PREFABRICATED WOOD TRUSSES SHALL BE DESIGNED USING THE MORE RESTRICTIVE OF MINIMUM DESIGN LOADS AS SPECIFIED BY ASCE/SEI 7-22 AND CONDITIONS CONTAINED HEREIN. TRUSSES SHALL BEAR ONLY ON LOAD BEARING WALLS SHOWING IN THE PLANS. THE ENGINEER OF RECORD HAS SELECTED TRUSS FASTENERS AND OTHER CONNECTORS BASED UPON THE TRUSS COMPANY'S CALCULATED UPLIFTS AND REACTIONS. DELEGATED ENGINEER SHALL SUBMIT FINAL ENGINEERING SUBMITTAL TO E.O.R. FOR REVIEW AND APPROVAL PRIOR TO CONSTRUCTION. DOCUMENTS RECEIVED BY THE TRUSS COMPANY AND INCLUDED IN THESE PLANS ARE BELIEVED TO BE CORRECT TO THE BEST OF THE E.O.R.'S KNOWLEDGE, HOWEVER, THE ACCURACY OF THE INFORMATION CANNOT BE GUARANTEED. ENGINEER'S REVIEW AND APPROVAL OF TRUSS INFORMATION AND LITEL INFORMATION IS BASED UPON THE INFORMATION CONTAINED HEREIN. SHOULD THE TRUSS DESIGN, TRUSS MANUFACTURER, OR LITEL MANUFACTURER CHANGE, FURTHER REVIEW BY THE E.O.R. IS REQUIRED.
- ENGINEER'S SEAL APPLIES TO STRUCTURAL COMPONENTS AND STRUCTURAL SYSTEMS ONLY. NO OTHER ASPECT OF THESE PLANS SHALL BE CONSIDERED SIGNED, SEALED, OR REVIEWED BY ENGINEER-OF-RECORD (E.O.R.)
- ASSUMED SOIL BEARING CAPACITY = 2,000 PSF
- LIVE LOADS (FBCR TABLE R301.5):
UNINHABITABLE ATTICS WITH LIMITED STORAGE = 20 PSF
UNINHABITABLE ATTICS WITHOUT STORAGE = 10 PSF
SLEEPING ROOMS & HABITABLE ATTICS (W/ STAIRS) = 30 PSF
STAIRS, BALCONIES, DECKS & ALL OTHER ROOMS = 40 PSF
VEHICLE GARAGES & GUARD IN-FILL COMPONENTS = 50 PSF
GUARDRAILS & HANDRAILS (SINGLE CONCENTRATE LOAD) = 200 LBS
- MINIMUM DEAD LOADS:
DESCRIPTION SHINGLE ROOF (PSF) METAL ROOF (PSF) TILE ROOF (PSF) HEAVY/CLAY ROOF (PSF)
ROOF TOP CHORD DL 7 10 20 25
ROOF BOTTOM CHORD DL 7 10 20 25
FLOOR LOADING CARPET WOOD/TILE LIGHT WT. CONC.
FLOOR TOP CHORD DL 10 10 10 10
FLOOR BOT CHORD DL 5 10 10 10
ALL OTHER DEAD LOADS = ACTUAL WT. OF MATERIALS
ROOF PITCH LOAD
FLAT TO < 4:12 20 PSF
4:12 TO < 12:12 16 PSF
12:12 AND GREATER 12 PSF
- STRUCTURE HAS BEEN DESIGNED USING THE FOLLOWING DESIGN WIND LOAD PARAMETERS (ASCE 7-22)
9.1. BASIC WIND SPEED (ULTIMATE DESIGN WIND SPEED), V_{ULT} = 130-MPH
9.2. NOMINAL DESIGN SPEED, V₅₀ = 108-MPH
9.3. BUILDING CATEGORY (ASCE/SEI 7-22 SECTION 26.2) = "ENCLOSED" (Gcpl = ± 0.18)
9.4. EXPOSURE CATEGORY (ASCE/SEI 7-22 SECTION 26.7.3) = "B"
9.5. WIND SPEED-UP EFFECT, K_{zt} (ASCE/SEI 7-22 FIGURE & EQN 26.8-1) = 1.00
9.6. STRUCTURAL ELEMENTS OR STRUCTURAL SYSTEMS MAY BE DESIGNED WITH A GREATER WIND SPEED OR EXPOSURE CATEGORY.
10. ALL OPENINGS IN EXTERIOR WALLS SHALL COMPLY WITH COMPONENTS AND CLADDING DESIGN PRESSURES LISTED IN THESE PLANS. BUILDING ENVELOPE PRODUCTS THAT HAVE BEEN TESTED TO AIR PRESSURE STANDARDS THAT INCORPORATE A SAFETY FACTOR ARE TYPICALLY RATED FOR AN ALLOWABLE STRESS DESIGN WIND PRESSURE (0.6W) RATHER THAN A STRENGTH DESIGN PRESSURE (1.0W) OR WIND SPEED. IN ORDER TO PROPERLY SELECT PRODUCTS TESTED AND RATED IN THIS MANNER, THE G.C.P. PRESSURES LISTED IN THE PLANS SHOULD BE ADJUSTED FOR THE ALLOWABLE STRESS DESIGN LOAD FACTOR BY MULTIPLYING THE LISTED PRESSURE BY THE FACTOR 0.6.
11. ALUMINUM STRUCTURE DESIGN TO BE IN ACCORDANCE WITH FBCR SECTION R301.2.1.1.1.1 OR R301.2.1.1.2.
12. SUNROOM DESIGN TO BE IN ACCORDANCE WITH FBCR SECTION R301.2.1.1.1.

JENKINS RESIDENCE

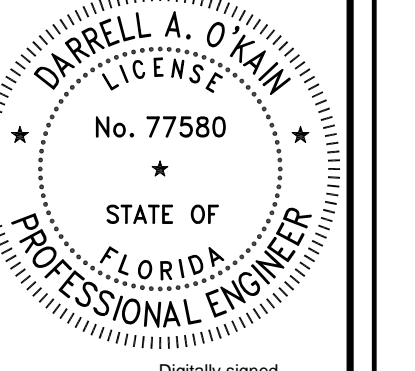
K & K DRAFTING AND DESIGN
15672 SE 92ND TERRACE, SUMMERFIELD, FL 34491
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COVER PAGE

PROJECT ENGINEER

O.E.I

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352-207-7084
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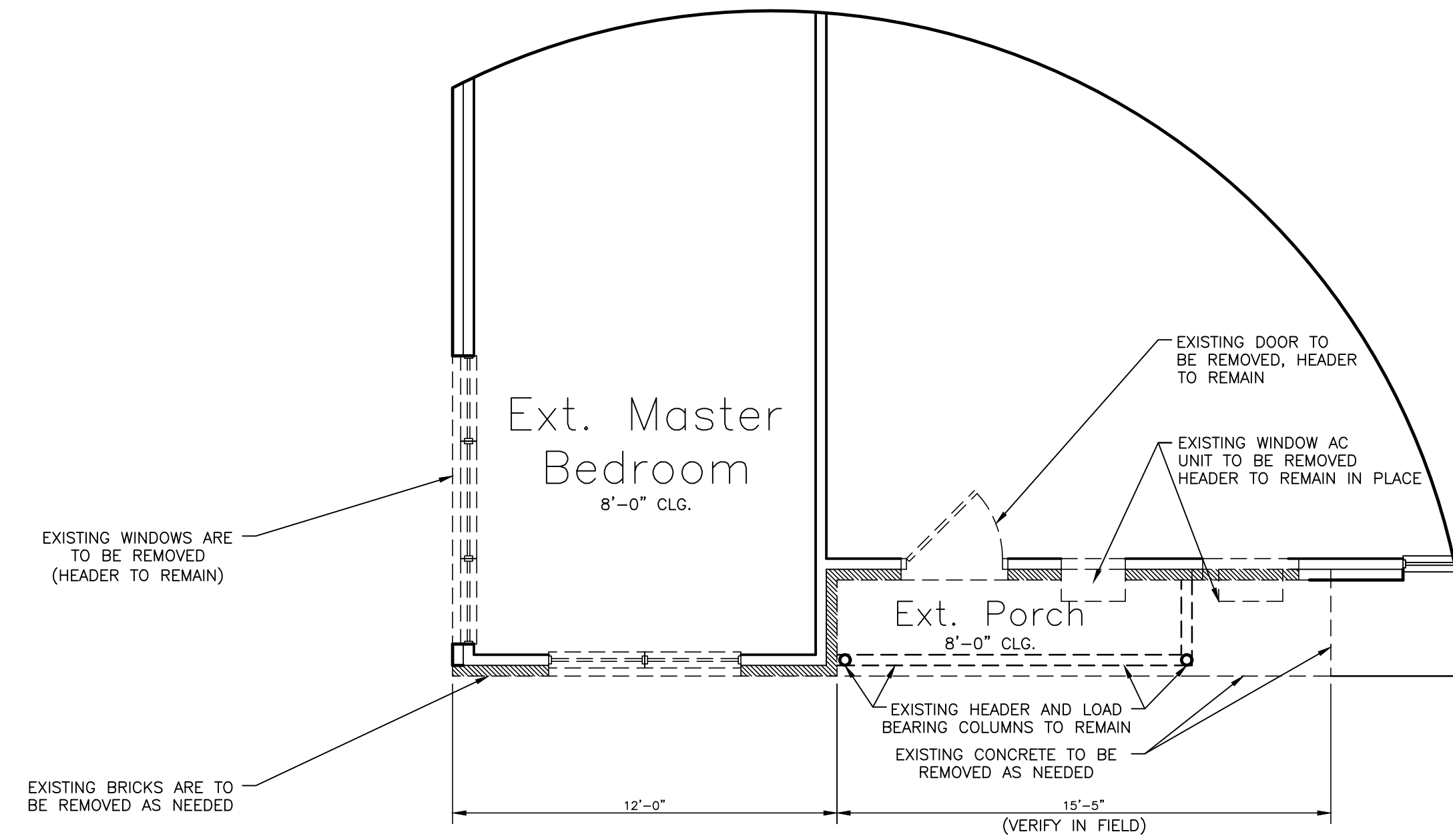


Digitally signed by Darrell O'Kain
Date: 2024.05.23 15:59:27-0400
ENGINEER'S SEAL APPLIES TO STRUCTURAL COMPONENTS ONLY
DARRELL O'KAIN, PE
FLORIDA LICENSE NO. 77580
THIS SEAL HAS BEEN DIGITALLY SIGNED AND SEALED BY DARRELL O'KAIN, PE ON THE DATE INDICATED TO THE SEAL.
PRINTED COPIES OF THIS DOCUMENT ARE NOT VALID UNLESS SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

SHEET NO. C1

CONTRACTOR/ TRUSS SUPPLIER TO VERIFY EXISTING/ PROPOSED BLOCK WALL HEIGHT & ALL EXISTING CONDITIONS TO AVOID ANY IN-FIELD DISCREPANCIES

NOTE: IF ANY CONDITIONS ARE DISCOVERED THAT ARE NOT ADDRESSED IN THIS REMODEL PLAN, CONTRACTOR IS TO IMMEDIATELY REPORT SAID CONDITIONS TO THE ENGINEER-OF-RECORD FOR A REPAIR DIRECTIVE AND/OR REPAIR PLAN MODIFICATION.



Existing/Demo Floor Plan

SCALE: 1/4" = 1'-0"
 NOTE: CONTRACTOR TO VERIFY EXISTING SITE CONDITIONS BEFORE CONSTRUCTION

NBR	DESCRIPTION	DATE
NA	ISSUE DATE	05/24/2024

CONTRACTOR:
TANNER CONSTRUCTION

CLIENT:
JENKINS MELISSA
211 SW HAVANNA WAY
LAKE CITY, FL 32024

P.I.D.: #34-3S-16-02474-005
DESIGNED D.D. CHECKED D.D.

JENKINS RESIDENCE

K & K DRAFTING AND DESIGN
 15672 SE 92ND TERRACE, SUMMERFIELD FL 34491
 PHONE: 352-817-6761 EMAIL: JKBRAUSE@KANDKRAFTING.COM

EXISTING/DEMO PLAN

PROJECT ENGINEER

O.E.I.

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 6426 SW 45TH AVE
 OCALA, FL 34474
 352-207-7084
 DOKAIN@GMAIL.COM

DARRELL A. OKAIN
 LICENSE
 No. 77580
 STATE OF
 FLORIDA
 PROFESSIONAL ENGINEER

Digitally signed
 by Darrell O'Kain
 Date: 2024.05.23
 15:59:29-0400

ENGINEER'S SEAL APPLIED TO STRUCTURAL DRAWINGS ONLY

DARRELL O'KAIN, PE
 FLORIDA LICENSE NO. 77580

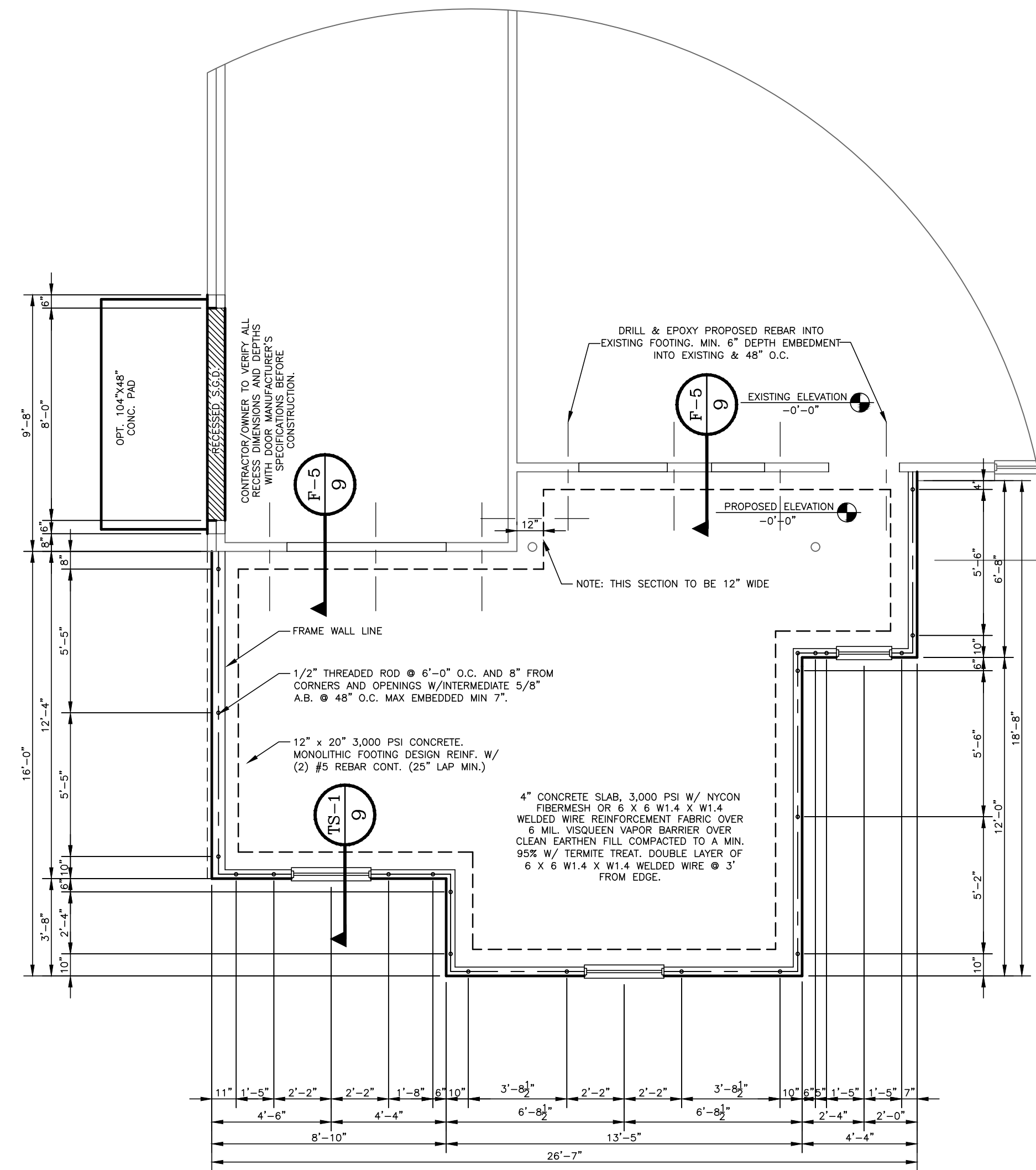
THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY DARRELL O'KAIN, PE ON THE DATE ADJACENT TO THE SEAL.

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WALL LEGEND	
	EXISTING FRAME WALL WITH BRICK EXTERIOR (TO REMAIN)
	EXISTING FRAME STRUCTURE (TO BE REMOVED)
	EXISTING BRICK EXTERIOR TO BE REMOVED AND SAVED IF NEEDED

CONTRACTOR/ TRUSS SUPPLIER TO VERIFY EXISTING/ PROPOSED BLOCK WALL HEIGHT & ALL EXISTING CONDITIONS TO AVOID ANY IN-FIELD DISCREPANCIES

NOTE: IF ANY CONDITIONS ARE DISCOVERED THAT ARE NOT ADDRESSED IN THIS REMODEL PLAN, CONTRACTOR IS TO IMMEDIATELY REPORT SAID CONDITIONS TO THE ENGINEER-OF-RECORD FOR A REPAIR DIRECTIVE AND/OR REPAIR PLAN MODIFICATION.



FOUNDATION NOTES

- UNLESS NOTED OTHERWISE, ALL CONCRETE FILLED CELLS REGARDLESS OF LOCATION SHALL CONTAIN (1) VERTICAL #5 REBAR (MIN.) THAT ANCHORS THE SLAB TO THE BOND BEAM AND SHALL CONFORM TO ACI-315, MANUAL OF STANDARD PRACTICES FOR DETAILING REINFORCED CONCRETE STRUCTURES.
- FOOTING DESIGN IS BASED ON MINIMUM SOIL BEARING CAPACITY OF 2,000 PSF.
- THE SOILS UNDER THE FLOOR SLABS AND BUILDING FOUNDATIONS SHALL BE STABLE, NON-ORGANIC, SAND OR SAND WITH LIMITED FINES, AND COMPACTED TO MINIMUM 95% OF MODIFIED PROCTOR MAXIMUM DRY DENSITY (ASTM D1557).
- MICRO-SYNTHETIC FIBER REINFORCEMENT OR 6x6 W1.4xW1.4 WELDED WIRE COMPLYING WITH R506.2.4.2 FOR CRACK CONTAINMENT SHALL BE USED THROUGHOUT ALL CONCRETE SLABS.
- A POLYETHYLENE VAPOR RETARDER, HAVING A MIN. THICKNESS OF 6 MIL WITH JOINTS TAPED AND LAPPED MIN. 6", SHALL BE PLACED BETWEEN SLAB AND SUBGRADE IN ALL ENCLOSED AREAS AND TERMITIC TREATED SOILS.
- ALL CONCRETE SHALL HAVE A MINIMUM OF $F_c=3,000$ PSI AT 28 DAYS.
- ALL EXCAVATION, GRADING, AND FILL SHOULD COMPLY WITH FBC 8TH EDITION 2023 BUILDING, PER SECTION 1804.
- CONTRACTOR/OWNER TO VERIFY ALL RECESS DIMENSIONS AND DEPTHS IN SLAB FOR SHOWERS AND DOOR THRESHOLDS BEFORE CONSTRUCTION WITH MANUFACTURER'S SPECIFICATIONS.
- FINISH FLOOR SHALL BE CONSTRUCTED MINIMUM OF 12" ABOVE BASE FLOOD ELEVATION.
- WHERE SITE HAS BEEN EVALUATED BY A GEOTECHNICAL ENGINEER, ALL SITE PREPARATION AND FOUNDATION REQUIREMENTS SHALL BE IN ADDITION TO REQUIREMENTS HEREIN.
- R105.10 CERTIFICATE OF PROTECTION TREATMENT FOR PREVENTION OF TERMITES. A WEATHER-RESISTANT JOB-SITE POSTING BOARD SHALL BE PROVIDED TO RECEIVE DUPLICATE TREATMENT AS EACH REQUIRED PROTECTIVE TREATMENT IS COMPLETED, PROVIDING A COPY FOR THE PERSON THE PERMIT IS ISSUED TO AND ANOTHER COPY FOR THE BUILDING PERMIT FILES. THE TREATMENT CERTIFICATE SHALL PROVIDE THE PRODUCT USED, IDENTITY OF THE APPLICATOR, TIME AND DATE OF THE TREATMENT, SITE LOCATION, AREA TREATED, CHEMICAL USED, PERCENT CONCENTRATION AND NUMBER OF GALLONS USED, TO ESTABLISH A VERIFIABLE RECORD OF PROTECTIVE TREATMENT. IF THE SOIL CHEMICAL BARRIER METHOD FOR TERMITIC PREVENTION IS USED, FINAL EXTERIOR TREATMENT SHALL BE COMPLETED PRIOR TO THE FINAL BUILDING APPROVAL.
- R105.11 NOTICE OF TERMITIC PROTECTION. A PERMANENT SIGN WHICH IDENTIFIES THE TERMITIC TREATMENT PROVIDER AND NEED FOR REINSPECTION AND TREATMENT CONTRACT RENEWAL SHALL BE PROVIDED. THE SIGN SHALL BE POSTED NEAR THE WATER HEATER OR ELECTRIC PANEL.

JENKINS RESIDENCE

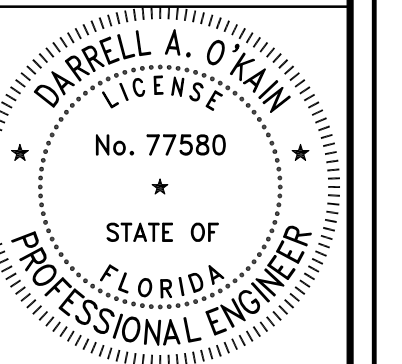
K & K DRAFTING AND DESIGN
15672 SE 92ND TERRACE, SUMMERFIELD FL 34491
PHONE: 352-817-6761 EMAIL: JKRAUSE@KANDKRAFTING.COM

PROP. FOUNDATION PLAN

PROJECT ENGINEER

O.E.I

DARRELL O'KAIN, P.E.(FL)
O'KAIN ENGINEERING, INC.
6426 SW 45TH AVE
OCALA, FL 34474
352-207-7084
DOKAIN@GMAIL.COM



Digitally signed by Darrell Okain
Date: 2024.05.23 15:59:31-0400
DARRELL A. OKAIN, PE
FLORIDA LICENSE NO. 77580

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ENGINEER'S SEAL APPLIED TO STRUCTURAL DOCUMENTS ONLY

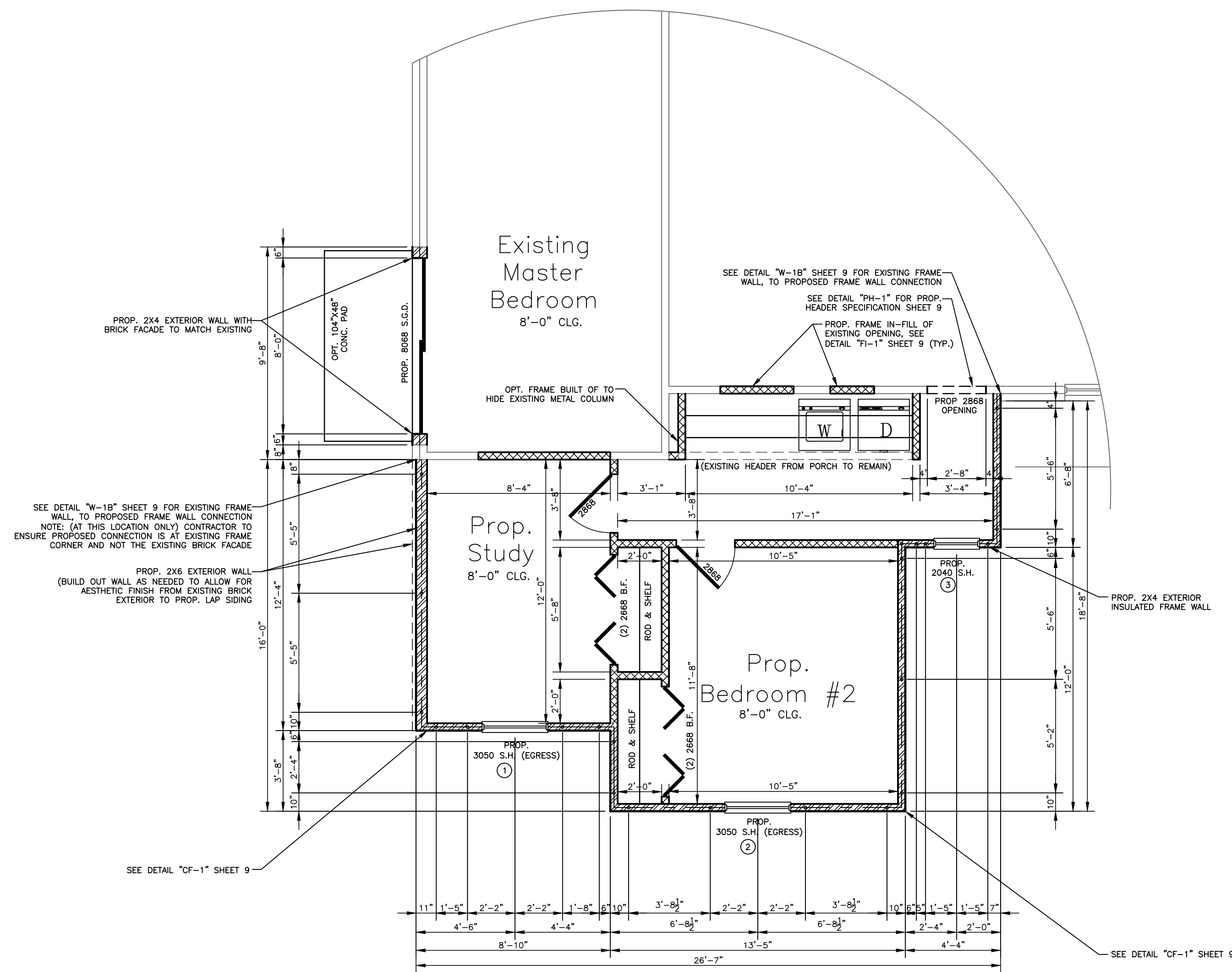
SHEET NO.

3

NBR	DESCRIPTION	DATE
NA	ISSUE DATE	05/24/2024
CONTRACTOR: TANNER CONSTRUCTION		
CLIENT: JENKINS MELISSA 211 SW HAVANNA WAY LAKE CITY, FL 32024		
P.I.D.: #34-S8-16-02474-005		
DESIGNED D.D.		CHECKED D.D.

CONTRACTOR/ TRUSS SUPPLIER TO VERIFY EXISTING/ PROPOSED BLOCK WALL HEIGHT & ALL EXISTING CONDITIONS TO AVOID ANY IN-FIELD DISCREPANCIES

NOTE: IF ANY CONDITIONS ARE DISCOVERED THAT ARE NOT ADDRESSED IN THIS REMODEL PLAN, CONTRACTOR IS TO IMMEDIATELY REPORT SAID CONDITIONS TO THE ENGINEER-OF-RECORD FOR A REPAIR DIRECTIVE AND/OR REPAIR PLAN MODIFICATION.



Prop. Floor Plan
SCALE: 1/4" = 1'-0"

CONTRACTOR/MASON TO VERIFY WALL HEIGHT WITH TRUSS COMPANY BEFORE CONSTRUCTION		HEADER SCHEDULE	
ALL PROPOSED WINDOWS ARE TO HAVE BRICK SILL THAT ARE TO MATCH EXISTING		SPECIFICATIONS	REMARKS
①	NA	3'-0"	6'-8" 3050 S.H.
②	NA	3'-0"	6'-8" 3050 S.H.
③	NA	2'-0"	6'-8" 2040 S.H.
SYMBOLS (X) HEADER OR LINTEL TAG			
BUILDER TO VERIFY NICHES & HEADER TYPES & ALL CEILING ELEMENTS WITH OWNER & TRUSS COMPANY BEFORE CONSTRUCTION		OWNER/CONTRACTOR TO VERIFY ALL PLUMBING FIXTURES BEFORE CNSTRCTN.	
NOTE TO FRAMER: VERIFY DOOR CASING WIDTHS BEFORE CONSTRUCTION TO ALLOW FOR ADEQUATE TOLERANCES BETWEEN INTERSECTING WALLS		WALL LEGEND [Symbol] EXISTING FRAME/BLOCK WALL TO REMAIN [Symbol] PROP. EXTERIOR 2X4 LOAD BEARING INSULATED WALL [Symbol] PROP. INTERIOR 2X4 WALL	
ANY REFERENCE TO "STUCCO", ON THE PLANS IS ACTUALLY REFERRING TO "CEMENTITIOUS COATING"			

NBR	DESCRIPTION	DATE
NA	ISSUE DATE	05/24/2024

CONTRACTOR: TANNER CONSTRUCTION
 CLIENT: JENKINS MELISSA, 211 SW HAVANNA WAY, LAKE CITY, FL 32024
 P.I.D.: #34-SS-16-02474-005
 DESIGNED D.D. CHECKED D.D.

JENKINS RESIDENCE
 K & K DRAFTING AND DESIGN
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 PHONE: 352-817-6761 EMAIL: JKDRAUSE@KANDKRAFTING.COM
 PROP. FLOOR PLAN

PROJECT ENGINEER
O.E.I.
 DARRELL O'KAIN, P.E.(FL)
 O'KAIN ENGINEERING, INC.
 6426 SW 45TH AVE
 Ocala, FL 34474
 352-207-7084
 DOKAIN@GMAIL.COM

DARRELL A. O'KAIN
 LICENSE
 No. 77580
 STATE OF FLORIDA
 PROFESSIONAL ENGINEER

Digitally signed by Darrell O'Kain
 Date: 2024.05.23 15:59:32-0400

MEMBER SEAL APPLIED TO STRUCTURAL DRAWINGS ONLY

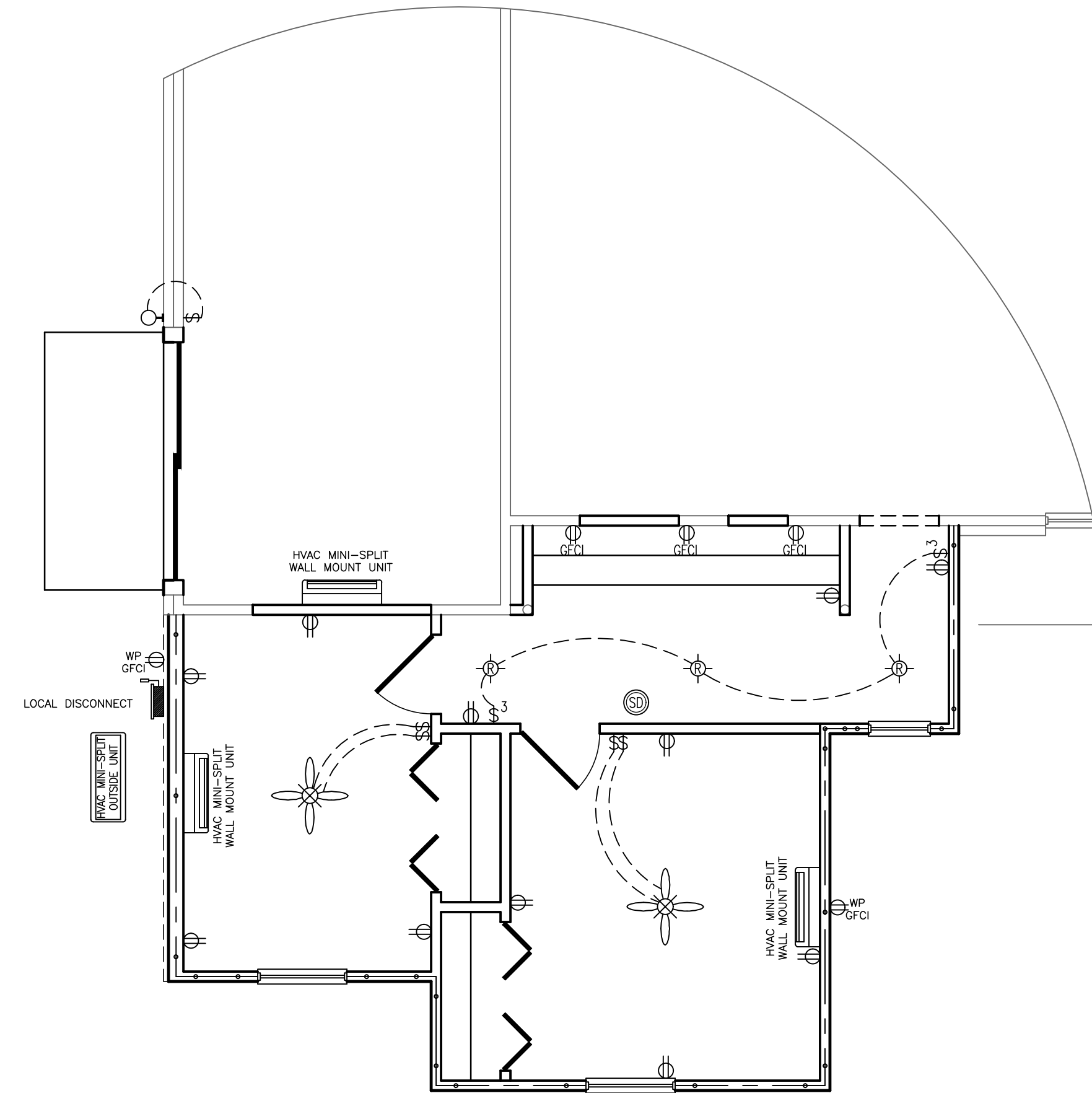
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SHEET NO.
4

CONTRACTOR/ TRUSS SUPPLIER TO VERIFY EXISTING/ PROPOSED BLOCK WALL HEIGHT & ALL EXISTING CONDITIONS TO AVOID ANY IN-FIELD DISCREPANCIES

NOTE: IF ANY CONDITIONS ARE DISCOVERED THAT ARE NOT ADDRESSED IN THIS REMODEL PLAN, CONTRACTOR IS TO IMMEDIATELY REPORT SAID CONDITIONS TO THE ENGINEER-OF-RECORD FOR A REPAIR DIRECTIVE AND/OR REPAIR PLAN MODIFICATION.



Proposed Electrical Plan

SCALE: 1/4" = 1'-0"
ALL PROP. ELECTRICAL WORK SHOWN TO BE TIED INTO ELECTRICAL PANEL PER NEC 2020

HVAC NOTES

- THERMOSTATS TO BE HONEYWELL OR EQUAL. REFRIGERANT LINES SHALL BE PROPERLY SIZED FOR DISTANCE BETWEEN AIR HANDLER AND CONDENSER UNIT.
- DUCTS SHALL BE SIZED PROPERLY FOR AIR VOLUME (CFM) TO EACH ROOM.
- USE MIN. (3) WAY REGISTERS IN EACH ROOM.
- ALL DUCTS TO BE INSULATED FOIL BACKED FLEX TYPE W/ ALL JOINTS TAPED & SEALED UNLESS NOTED OTHERWISE.
- PROVIDE TURNING VANES WHEN NECESSARY.
- USE SINGLE USE RETURN AIR FILTERS.
- PROVIDE DUCT TO DRYER VENT.
- BATHROOM EXHAUST FANS MUST VENT TO THE EXTERIOR OF THE BUILDING. VENTING TO ATTIC SPACE OR SOFFIT IS PROHIBITED.
- DUCTS IN THE GARAGE AND DUCTS PENETRATING THE WALLS OR CEILINGS SEPARATING THE DWELLING FROM THE GARAGE SHALL BE CONSTRUCTED OF A MIN. 26 GA. SHEET STEEL OR OTHER APPROVED MATERIAL AND SHALL HAVE NO OPENINGS INTO THE GARAGE.
- MECHANICAL CONTRACTOR SHALL NOT REMOVE, CUT, ALTER ANY TRUSSES, JOISTS, LOAD BEARING STUDS, LINTELS, HEADERS OR ANY OTHER STRUCTURAL COMPONENT UNLESS PERMITTED BY PROVISIONS OF THE BUILDING CODE.

BUILDING ENGINEER NOTE

ELECTRICAL, MECHANICAL, AND/OR PLUMBING INFORMATION ON THIS SHEET OF THE PLANS WAS NOT PREPARED BY OR REVIEWED BY THE BUILDING ENGINEER OR DESIGNER AND IS PROVIDED FOR INFORMATIONAL PURPOSES ONLY. ENGINEER SEAL ONLY APPLIES TO STRUCTURAL COMPONENTS.

ELECTRICAL NOTES

- DESIGN OF ELECTRICAL SYSTEM SHALL BE THE PERFORMED BY ELECTRICAL CONTRACTOR PRIOR TO INSTALLATION.
- ALL ELECTRICAL WORK SHALL BE DONE IN STRICT ACCORDANCE WITH NFPA 70-20 BY A LICENSED ELECTRICAL CONTRACTOR. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL INSTALLATION AND SIZING OF ALL ELECTRICAL, WIRING, AND ACCESSORIES.
- ELECTRICAL CONTRACTOR SHALL NOT REMOVE, CUT, ALTER ANY TRUSSES, JOISTS, LOAD BEARING STUDS, LINTELS, HEADERS OR ANY OTHER STRUCTURAL COMPONENT UNLESS PERMITTED BY PROVISIONS OF THE BUILDING CODE.
- ALL ELECTRICAL TO BE MOUNTED ABOVE THE BASE FLOOD ELEVATION.
- SWITCH AND RECEPTACLE HEIGHTS ARE AS FOLLOWS TO CENTERLINE OF BOX:
 - STANDARD OUTLETS 16"
 - STANDARD SWITCHES 44"
 - KITCHEN COUNTER OUTLETS 44"
 - BATHROOM OUTLETS 42"
 - WASHER AND DRYER OUTLETS 36"
 - PHONE OUTLETS IN KITCHEN: BETWEEN UPPER AND LOWER CABINET 50" TO TOP
 - REGULAR WALL PHONE 60" TO TOP
- JUNCTION BOXES WILL NOT BE INSTALLED ON THE FRONT OF ANY BUILDING FOR ANY REASON. ANY CONNECTIONS OUT OF THE FRONT, MUST BE STABBED IN OR LOOPED AROUND FROM THE SIDE OF THE BUILDING FROM A JUNCTION BOX.
- PROVIDE GFCI TYPE RECEPTACLES AT ALL BATHROOMS, KITCHEN, GARAGES, AND EXTERIOR WATERPROOF RECEPTACLES, OR SUPPLY THROUGH A GROUND FAULT CIRCUIT INTERRUPTER CIRCUIT BREAKER.
- PROVIDE AFCI'S (ARC FAULT INTERRUPTERS) IN KITCHENS, FAMILY ROOMS, DINING ROOMS, LIVING ROOMS, PARLORS, LIBRARIES, DEN'S, BEDROOMS, SUNROOMS, RECREATION ROOMS, CLOSETS, HALLWAYS, LAUNDRY AREAS, OR SIMILAR ROOMS OR AREAS. PER NFPA 70-20, ARTICLE 210.12.
- LOW VOLTAGE WIRING FOR IRRIGATION IS TO BE ROUGHED IN AT FRAMING STAGE. LOW VOLTAGE WIRE TO BE SUPPLIED BY THE ELECTRICIAN IF APPLICABLE.
- LOCATION AND RATING OF ALL ELECT. PANELS TO BE PROVIDED BY THE ELECTRICAL CONTRACTOR.
- IF POOL IS TO BE INSTALLED: ALL DOORS AND WINDOWS PROVIDING DIRECT ACCESS FROM THE HOME TO THE POOL SHALL BE EQUIPPED WITH AN EXIT ALARM COMPLYING WITH UL 2017 THAT HAS A MINIMUM SOUND PRESSURE RATING OF 85 DBA AT 10 FEET, AND EITHER HARDWIRED OR OF THE PLUG-IN TYPE. THE EXIT ALARM SHALL PRODUCE A CONTINUOUS AUDIBLE WARNING WHEN THE DOOR OR WINDOW IS OPENED.
- CONTRACTOR TO CONNECT ALL FIXTURES AND APPLIANCES.
- CONTRACTOR TO VERIFY WITH OWNER IF THE FOLLOWING ARE TO BE INSTALLED:
 - SECURITY SYSTEM
 - LOW VOLTAGE SURROUND SOUND
 - LANDSCAPE IRRIGATION SYSTEM

ELECTRICAL LEGEND

	115V RECEPTACLE		SINGLE WALL SWITCH
	QUAD RECEPTACLE		3 WAY WALL SWITCH
	1/2 HOT RECEPTACLE		4 WAY WALL SWITCH
	W.P. WATER PROOF RECEPTACLE		DIMMER SWITCH
	220V. RECEPTACLE		CEILING LIGHT
	GFCI GROUND FAULT CIRCUIT INTERRUPTER		VAPOR-PROOF RECESSED CAN
	RANGE SUPPLY (HOME RUN)		RECESSED CAN
	FAN FIXTURE		FAN FIXTURE WITH LIGHT

JENKINS RESIDENCE

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PROP. ELECTRICAL PLAN

PROJECT ENGINEER

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OCALA, FL 34474
352-207-7084
DOKAIN@GMAIL.COM

ELECTRICAL, MECHANICAL, AND/OR PLUMBING CONTRACTOR LICENSED UNDER FLORIDA 8489 SHALL BE RESPONSIBLE FOR DESIGN INCLUDING ALL CALCULATIONS, SCHEDULES, AND APPLICABLE CODE REQUIREMENTS FOR SYSTEMS INSTALLED BY VIRTUE OF THEIR LICENSE ON THIS PROJECT.

THIS SHEET IS NOT SIGNED OR SEALED BY ENGINEER.

SHEET NO.

5

CONTRACTOR:
TANNER CONSTRUCTION

CLIENT:
JENKINS MELISSA
211 SW HAVANNA WAY
LAKE CITY, FL 32024

P.I.D.: #34-S8-16-02474-005

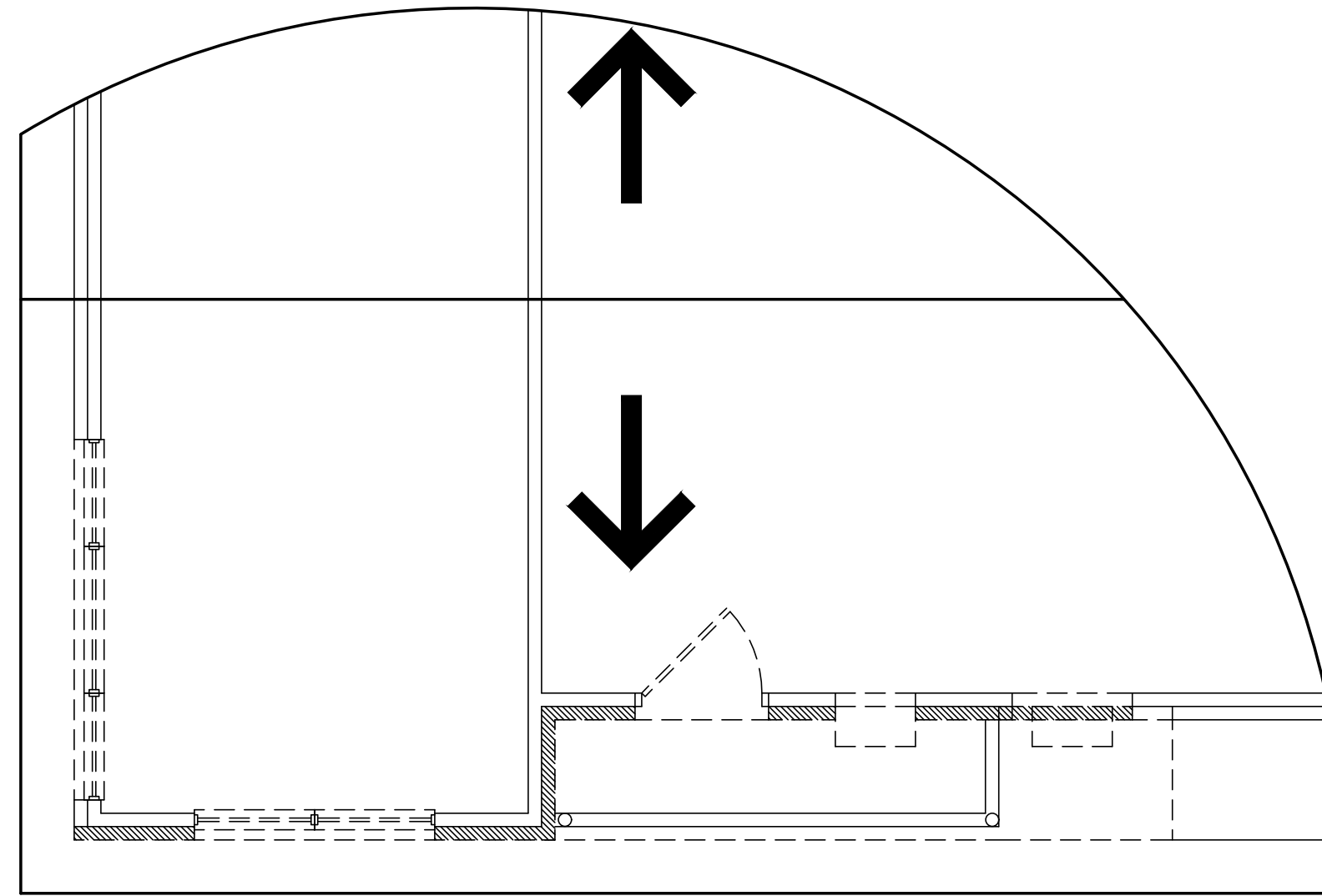
DESIGNED D.D.

CHECKED D.D.

DATE
05/24/2024

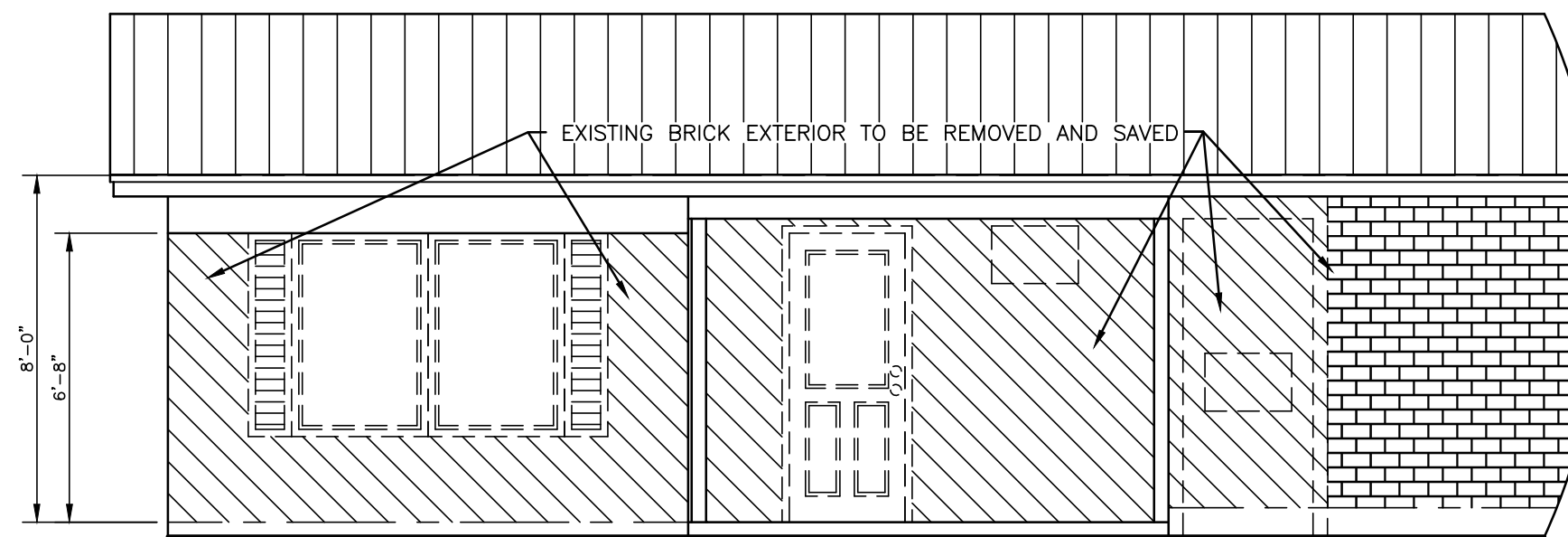
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NA ISSUE DATE

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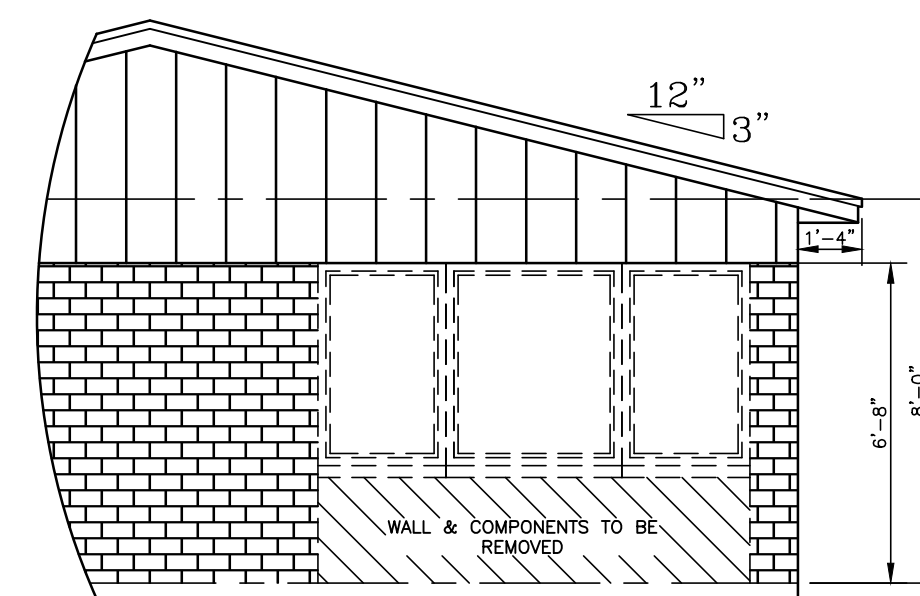
Existing/Demo Roof Plan

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



Existing/Demo Front Elevation

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



Existing/Demo Left Elevation

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

NBR	DESCRIPTION	DATE
NA	ISSUE DATE	05/24/2024

CONTRACTOR:
TANNER CONSTRUCTION

CLIENT:
JENKINS MELISSA
211 SW HAVANNA WAY
LAKE CITY, FL 32024

P.I.D.: #34-3S-16-02474-005
DESIGNED D.D. CHECKED D.D.

JENKINS RESIDENCE

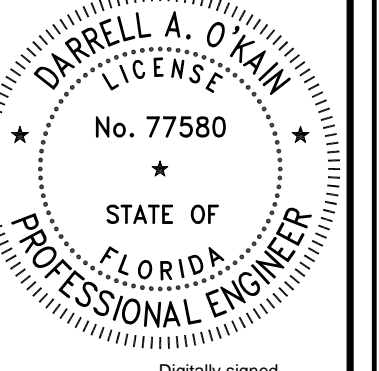
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EXISTING ELEV. & ROOF PLAN

PROJECT ENGINEER

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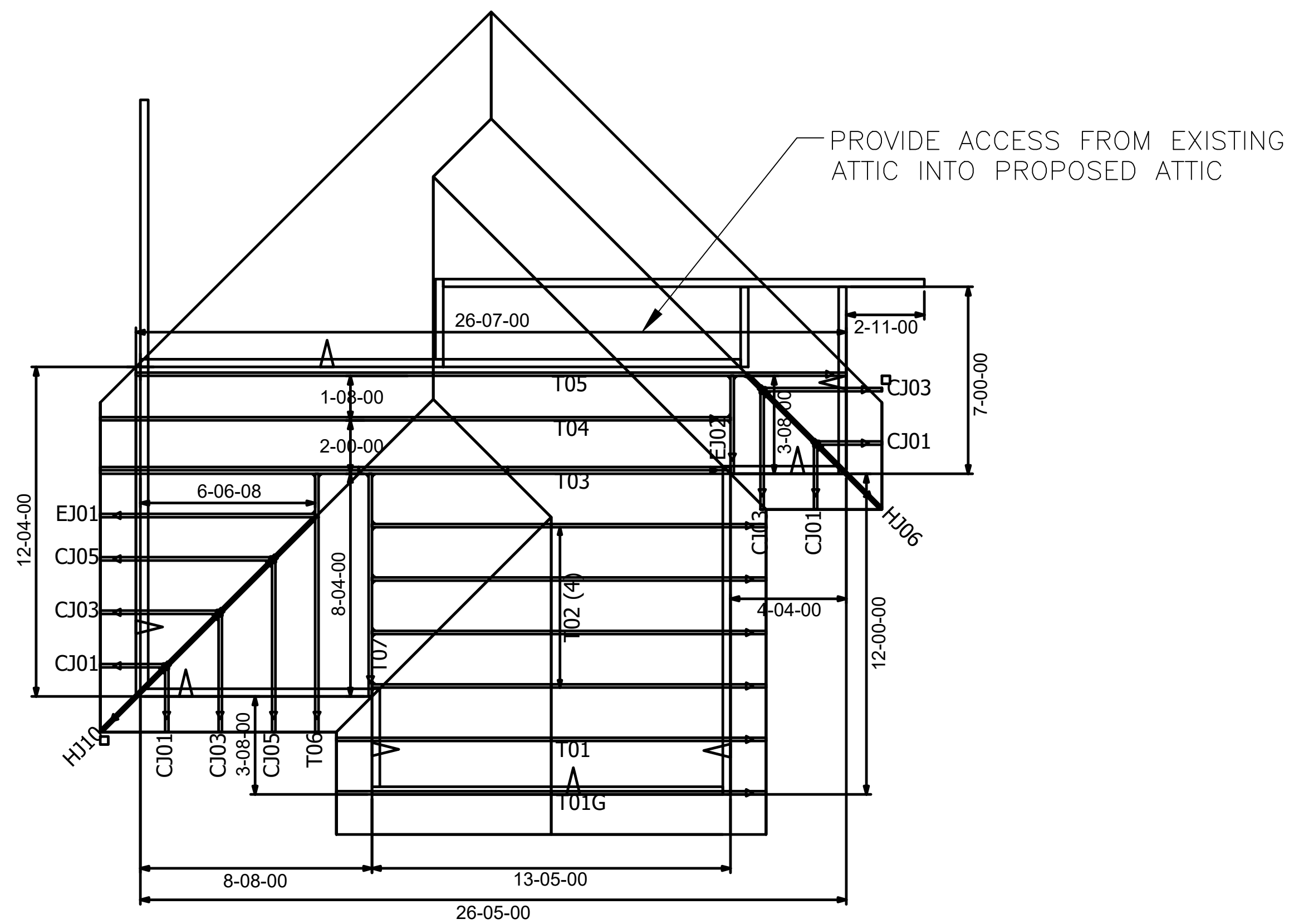
Digitally signed
by Darrell O'Kain
Date: 2024.05.23
15:59:33-0400

ENGINEER'S SEAL APPLIED TO STRUCTURAL DRAWINGS ONLY

DARRELL O'KAIN, PE
FLORIDA LICENSE NO. 77580

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3/12 PITCH - 16" O/H

TRUSS BRACING NOTES

- TRUSS HANDLING, INSTALLATION, CONSTRUCTION, LOADING, TEMPORARY BRACING, AND PERMANENT BRACING SHALL COMPLY WITH BCSI 2018.
- UNLESS OTHERWISE SPECIFIED, LUMBER USED FOR LATERAL RESTRAINT AND DIAGONAL BRACING SHALL BE SAME TYPE AS TRUSS MATERIAL AND MINIMUM SIZE OF 2X4 NOMINAL. LATERAL RESTRAINT AND BRACING SHALL BE FASTENED TO EACH TRUSS WITH AT LEAST (2) 10D NAILS.
- TEMPORARY BRACING MAY ALSO BE USED AS PERMANENT BRACING PROVIDED THAT MINIMUM REQUIREMENTS FOR PERMANENT BRACING ARE SATISFIED.
- GABLE END BRACING SHALL BE INSTALLED WHERE GABLE END HEIGHT IS 4' OF GREATER WHEN MEASURED VERTICALLY FROM THE PLATE HEIGHT.
- BOTTOM CHORD PERMANENT LATERAL RESTRAINT SHALL BE INSTALLED AS CONTINUOUS ROWS SPACED NO MORE THAN 10' O.C. UNLESS CLOSER SPACING IS REQUIRED BY THE TRUSS DESIGN. ALL LATERAL RESTRAINT TO BE LAPPED AT LEAST 2 TRUSSES.
- WHERE STRUCTURAL SHEATHING OR GYPSUM BOARD IS NOT INSTALLED AT THE BOTTOM FACE OF THE TRUSS AND UNLESS NOTED OTHERWISE, INSTALL ROWS OF DIAGONAL BRACING AT INTERVALS OF NO MORE THAN 20' ALONG THE LENGTH OF THE BUILDING PER BCSI B3-7.
- INSTALL DIAGONAL SWAY BRACING EVERY 10 TRUSSES (OR 20' MAX) AND AT SAME SPACING AS BOTTOM CHORD LATERAL RESTRAINT PER BCSI FIGURE B3-43. FULL SHEATHED HIP TYPE ROOF SHALL SATISFY SWAY BRACING REQUIREMENT.
- FOR PROXY BACK ASSEMBLIES, CONTINUOUS LATERAL RESTRAINT SHALL BE INSTALLED AS CONTINUOUS ROWS SPACED NO MORE THAN 4 FEET O.C. AT TOP CHORD OF SUPPORTING TRUSS. ADDITIONALLY, DIAGONAL BRACING SHALL BE INSTALLED EVERY 10' PER BCSI FIGURE B3-47. ALTERNATIVELY, BRACING FRAME OR 15/32" STRUCTURAL SHEATHING MAY BE USED PER BCSI B3-48.
- FOR FLOOR TRUSS APPLICATIONS: A. PROVIDE A MINIMUM 2X6 CONTINUOUS STRONGBACK ORIENTED WITH THE DEPTH VERTICAL EVERY 10' O.C. AND ATTACHED TO VERTICAL TRUSS MEMBERS WITH (3) 10D NAILS. STRONGBACK SHALL BE BLOCKED MINIMUM 4" OF EACH END. B. WHERE STRUCTURAL SHEATHING OR GYPSUM BOARD IS NOT INSTALLED AT THE BOTTOM FACE OF THE TRUSS, BOTTOM CHORD PERMANENT DIAGONAL BRACING SHALL BE INSTALLED EVERY 15 TRUSSES (30' MAX). C. PERMANENT DIAGONAL BRACE TO VERTICAL WEBS AT END OF CANTILEVER AND AT INTERIOR AND EXTERIOR BEARING LOCATIONS. D. INSTALL SOLID BLOCKING DIRECTLY BENEATH LOAD BEARING COLLUMNS TO MAINTAIN A LOAD PATH THROUGH THE FLOOR TO THE SUPPORTING STRUCTURE BELOW. E. LEDGER BOARDS FASTENED TO TRUSSES SHALL BE LATERALLY BRACED AT LEDGER BOARD LOCATION.

TRUSS NOTES

CONTRACTOR OR OWNER TO VERIFY ALL TOP OF WALL HEIGHTS WITH TRUSS COMPANY BEFORE CONSTRUCTION.

ALL TRUSSES SHALL BE PRE-ENGINEERED WOOD TRUSSES @ 24" O.C. TRUSS MFG. SHALL PROVIDE SHOP DRAWINGS & ENGINEERING FOR REVIEW BY PROJECT STRUCTURAL ENGINEER & PERMIT SUBMITTAL PRIOR TO FABRICATION. ALL SPECIAL BRACING SHALL BE INSTALLED AS NOTED ON SHOP DRAWINGS. STRAPPING SHALL CONFORM TO UPLIFT REQUIREMENTS AS SHOWN ON TRUSS ENGINEERING DRAWINGS.

CONTRACTOR TO PROVIDE STRAPPING TO OVERCOME UPLIFT LOADS AS INDICATED IN TRUSS ENGINEERING, PROVIDING A CONTINUOUS TIE FROM ROOF FRAME/ TRUSSES THROUGH BUILDING TO FOUNDATION. STRAPPING SHALL MEET OR EXCEED UPLIFT REQUIREMENTS AT EACH TRUSS CONNECTION LOCATION AS SHOWN ON TRUSS ENGINEERING DRAWINGS.

ALL TRUSSES SHALL HAVE A MIN. 2X4 BLOCKING INSTALLED AT ALL RIDGES, HIPs, AND VALLEYS

ALL PORCHES OR EXPOSED CEILINGS OUTSIDE THE EXTERIOR WALL LINE SHALL HAVE MIN. 15/32 APA RATED SHEATHING (NAILED PER ROOF SHEATHING SCHEDULE) OR OTHER APPROVED CEILING MATERIALS INSTALLED PER FLORIDA PRODUCT APPROVAL, INSTALLED TO UNDERSIDE OF TRUSSES OR FRAMING MATERIAL TO MAINTAIN ENCLOSED BUILDING STATUS OF STRUCTURAL DESIGN. NON-RATED FINISHES TO BE INSTALLED TO UNDERSIDE OF SHEATHING PER BUILDING CONTRACT.

ALL GYPSUM BOARD INSTALLED TO UNDERSIDE OF TRUSSES @ 24" O.C. SHALL BE EITHER 5/8" REGULAR OR 1/2" SAG RESISTANT BOARD INSTALLED PER FBC 2023 RESIDENTIAL R702.3.5, R702.3.6, & R702.3.7

ALL EXTERIOR WALLS, WALL COVERINGS AND SOFFITS SHALL BE CAPABLE OF RESISTING THE DESIGN PRESSURES SPECIFIED IN COMPONENTS AND CLADDING PRESSURE TABLE.

TYPICAL SUPPLIER INFO

COMPANY: BUILDERS 1ST CHOICE
DATE OF TRUSS LAYOUT USED: 03/19/2024
IF OWNER/BUILDER DEVIATES FROM PLANS THAT WERE PROVIDED BY TRUSS SUPPLIER STATED ABOVE THE ENGINEER OF RECORDED SHALL BE REQUIRED TO REVIEW ANY & ALL PROPOSED MODIFICATION BEFORE CONSTRUCTION

RIDGE VENT CALCULATION

THE ROOF SQUARE FOOTAGE FOR ATTIC SPACE IS 393 SQ. FT.
393 SQ. FT./150 SQ. FT. = 2.62 SQ. FT.
2.62 SQ. FT. = 377.28 SQ. IN.
189 SQ. IN. INTAKE & 189 SQ. IN. EXHAUST REQUIRED
SEE MANUFACTURER'S PRODUCT INFORMATION FOR ALLOWABLE VENTILATION REQUIREMENTS ARE MET. NOT REQUIRED IF NON VENTED ATTIC SPACE IS APPLIED

TYPICAL TRUSS CONNECTOR FOR FRAME WALLS

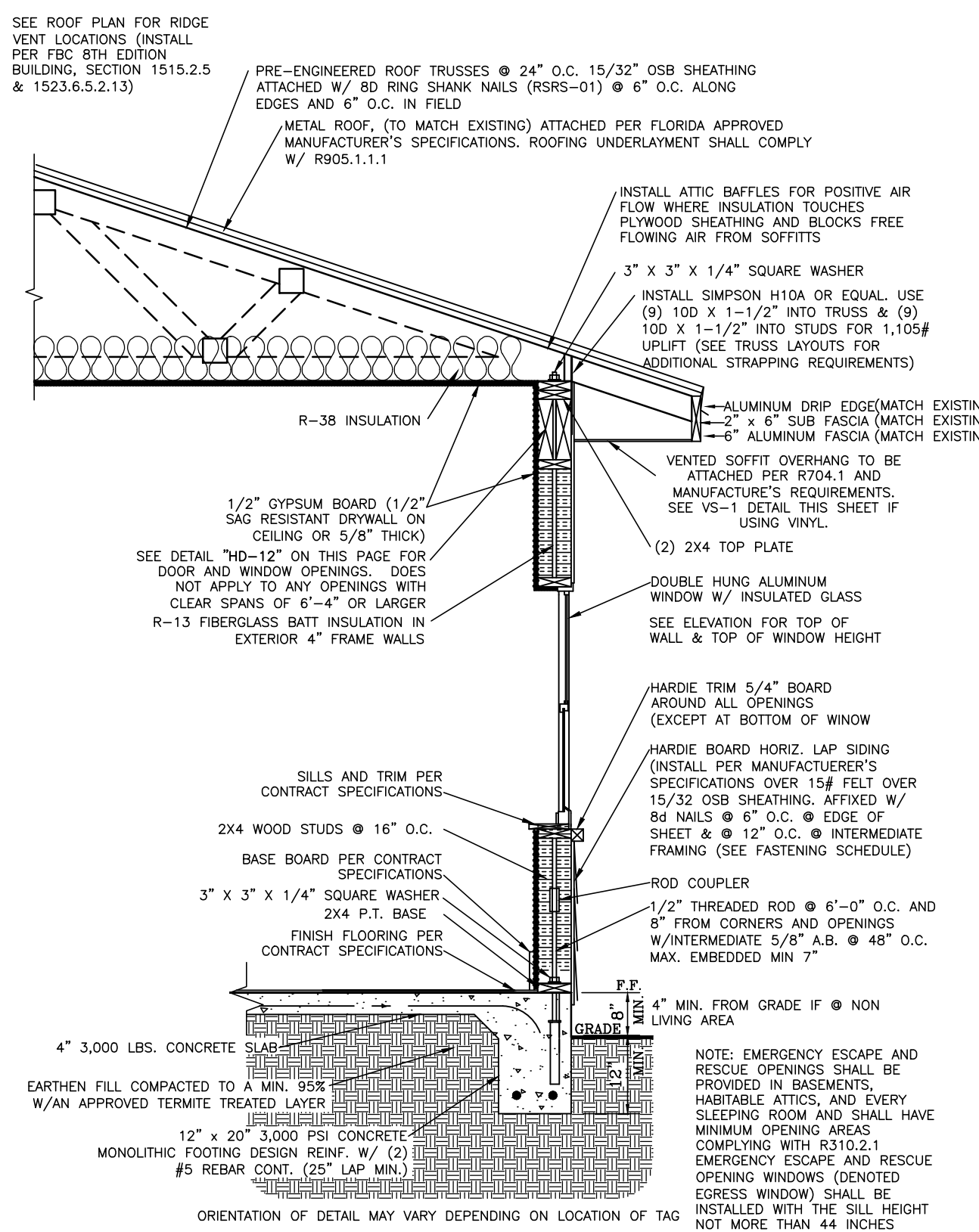
- (1 PLY) SIMPSON H10A OR EQUAL. USE (9) 0.148 X 1-1/2" INTO TRUSS & (9) 0.148 X 1-1/2" INTO STUDS FOR 1,105# UPLIFT
- (2 PLY) SIMPSON H10A-2 OR EQUAL. USE (9) 0.148 X 1-1/2" INTO TRUSS/GIRDER & (9) 0.148 X 1-1/2" INTO STUDS FOR 1,080# UPLIFT
- (3 PLY) SIMPSON LGT3-SDS2.5 2 OR EQUAL. USE (12) 1/4 X 2-1/2" SDS INTO TRUSS/GIRDER & (26) 0.148 X 3-1/4" INTO MIN. (3) STUDS OR COLUMN FOR 3,480# UPLIFT

CONTRACTOR: TANNER CONSTRUCTION		DATE 05/24/2024
NBR NA	DESCRIPTION ISSUE DATE	
CLIENT: JENKINS MELISSA 211 SW HAVANNA WAY LAKE CITY, FL 32024		
P.I.D.:#34-3S-16-02474-005		
DESIGNED D.D.		CHECKED D.D.
PROJECT ENGINEER		
O.E.I.		
DARRELL O'KAIN, P.E. (FL) O'KAIN ENGINEERING, INC. 6426 SW 45TH AVE OCALA, FL 34474 352-207-7084 DOKAIN@GMAIL.COM		
<small>ENGINEER'S SEAL APPLIES TO STRUCTURAL COMPONENTS ONLY. THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY DARRELL O'KAIN, P.E. ON THE DATE INDICATED TO THE SEAL. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED IN ANY ELECTRONIC COPY.</small>		
SHEET NO.		
8		

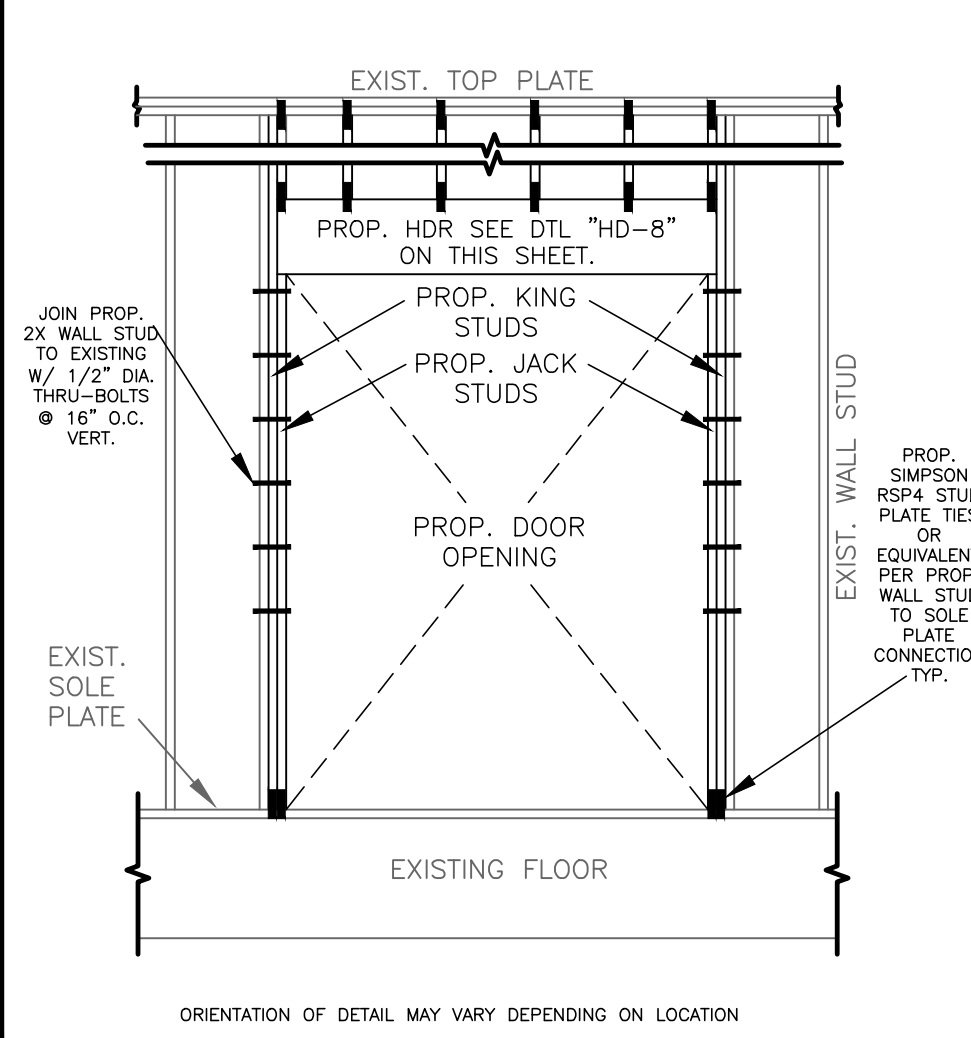
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PHONE: 352-817-6761 EMAIL: JK@KADRAFTING.COM

TRUSS LAYOUT

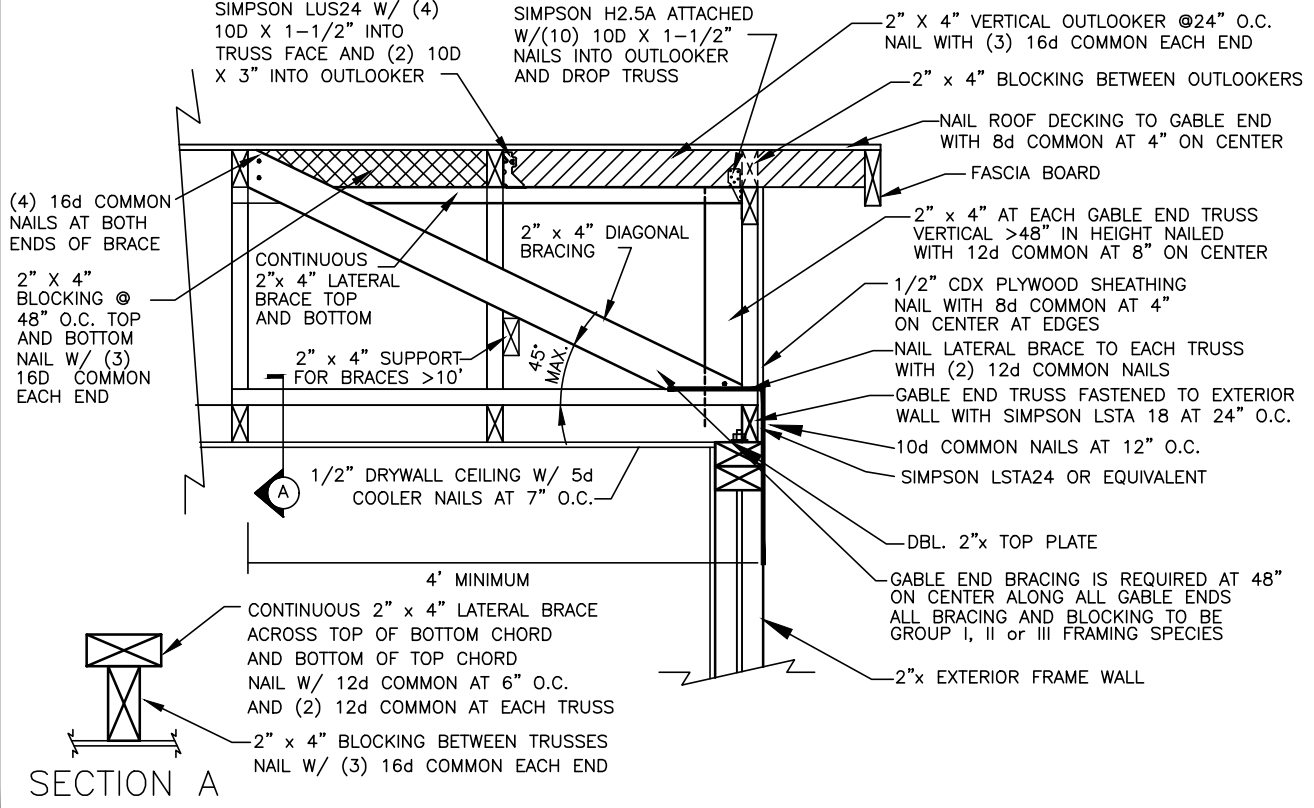
TS-1 TYPICAL WALL SECTION



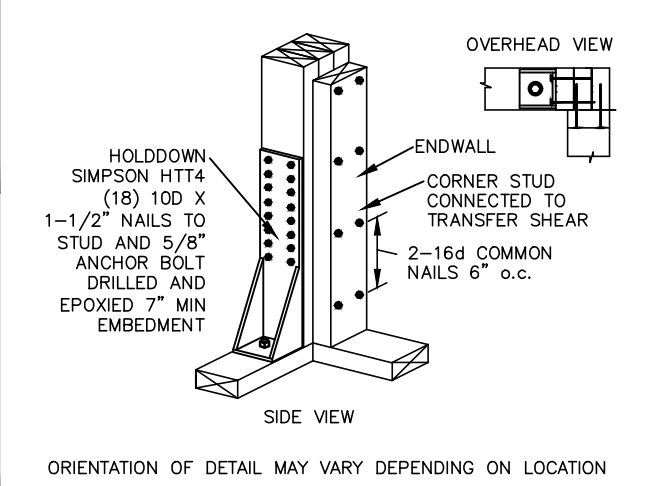
PH-1 PROP. RETROFIT OPENING ON EXIST. FRAME WALL



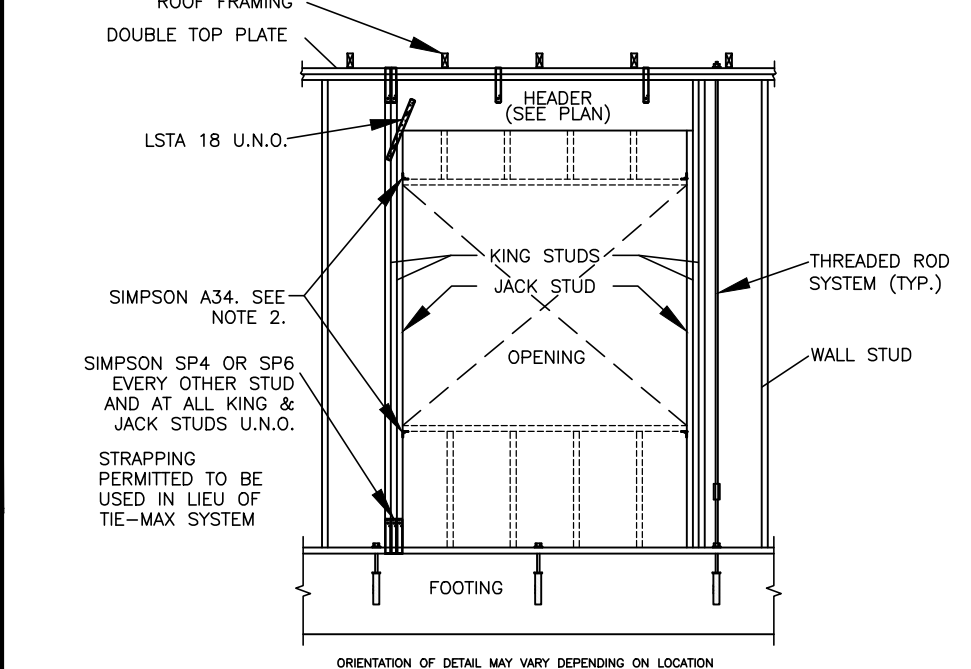
GB-2F DROP GABLE END BRACING



CF-1 CORNER FRAMING DETAIL



TYP. 8' FRAMING FOR OPENINGS



MINIMUM NUMBER OF STUDS AT LOAD BEARING AND WIND EXPOSED WALLS*

OPENING WIDTH (FT.)	NUMBER OF JACK STUDS 2x4 / 2x6	NUMBER OF KING STUDS 2x4 & 2x6
<3	1/1	1
3	1/1	2
4	1/1	2
5	2/1	2
6	2/1	2
8	2/2	3
10	2/2	4
12	2/2	4
14	3/2	5
16	3/2	6
18	3/2	6

NOTE: MINIMUM NUMBER OF STUDS LISTED IN TABLE SHALL APPLY TO ALL WIND EXPOSED OPENINGS, LOAD BEARING, UNLESS NOTED OTHERWISE. SEE PLANS FOR ADDITIONAL STUD REQUIREMENTS.

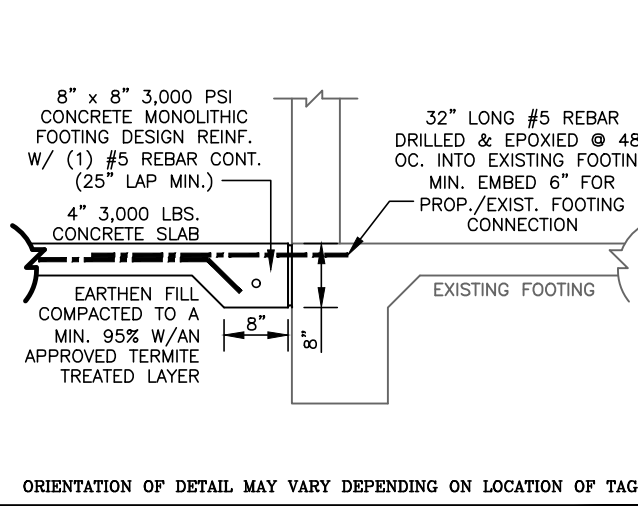
*MAX WALL HEIGHT 8'-0"

** NUMBER OF STUDS BASED ON WFCM 2018 TABLES 3.22F, 3.23C, 3.23D & 3.24C.

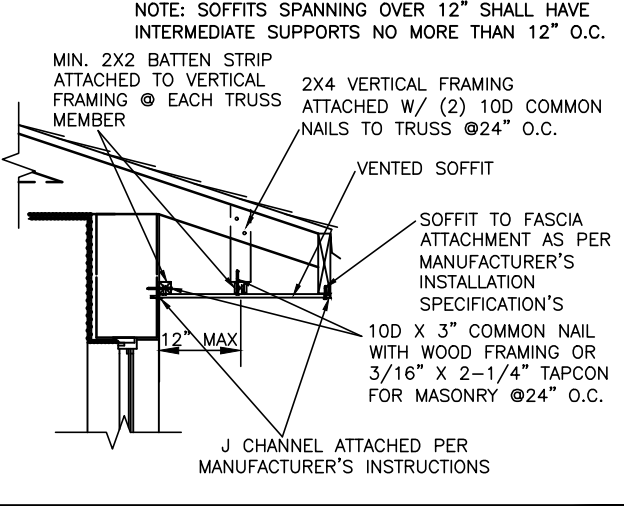
NOTES:

- STRAP TOP-PLATE TO HEADER W/ SIMPSON SP4 WHERE HEADER IS GREATER THAN 4' IN LENGTH, UNLESS NOTED OTHERWISE.
- A34 REQUIRED AT JAMBS FOR OPENINGS GREATER THAN 6'

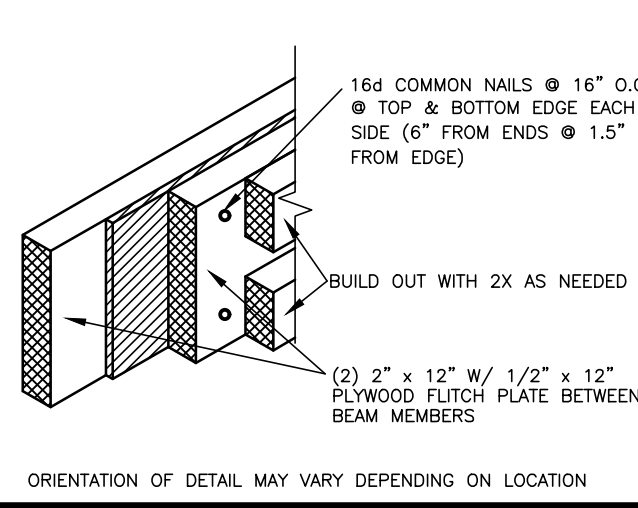
F-5 FOOTING CONNECTION



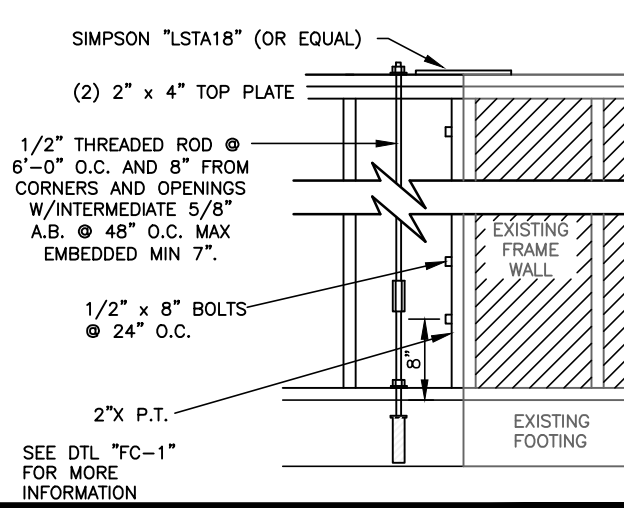
VS-1 VINYL SOFFIT ATTACHMENT DETAIL



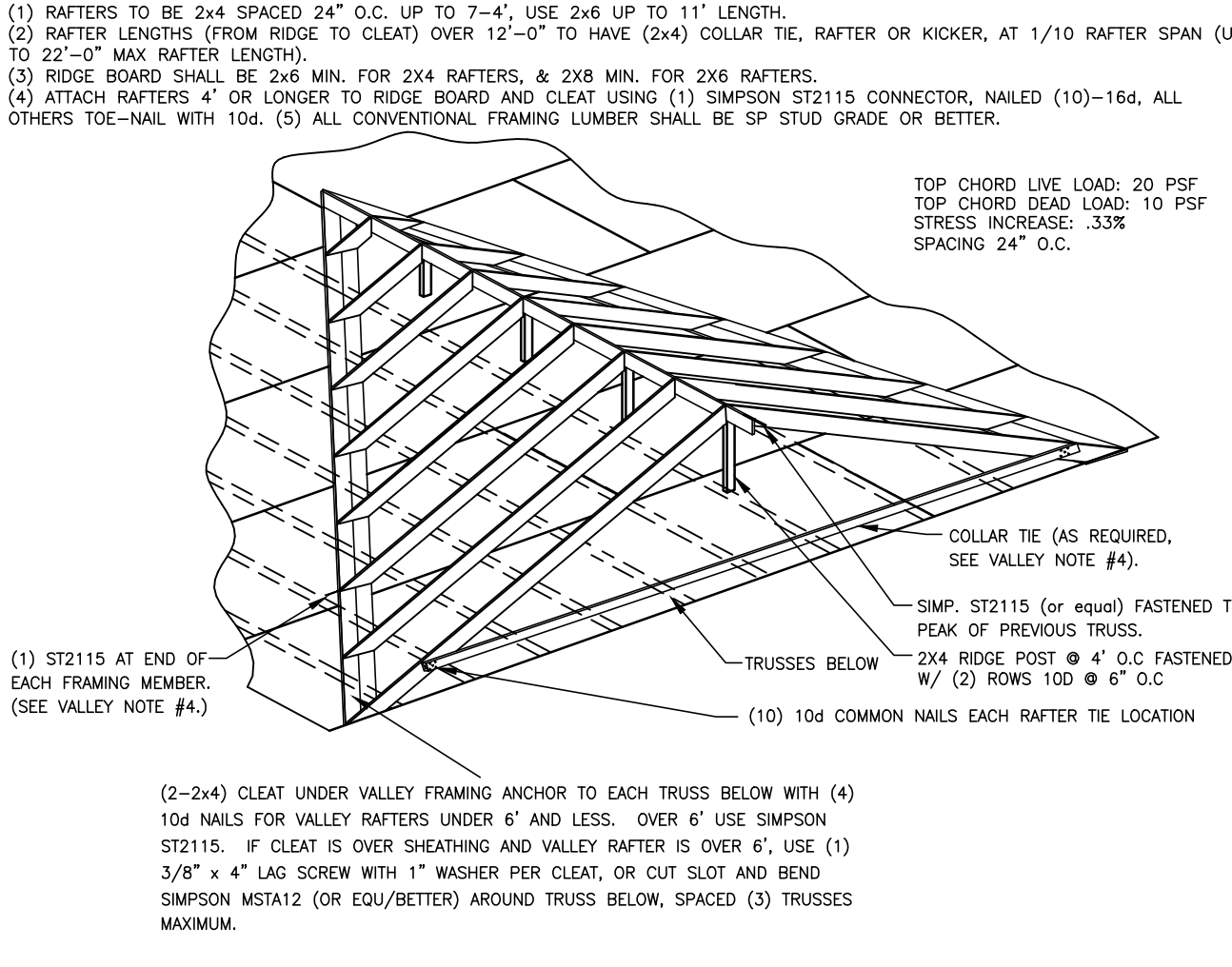
HD-12 HDR. DETAIL



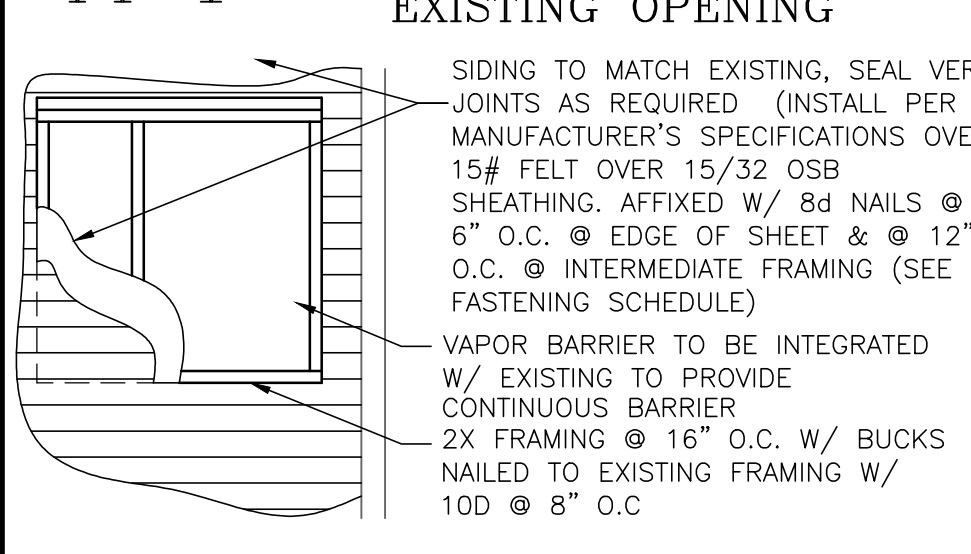
W-1B TYP. FRAME WALL TO EXISTING FRAME WALL



VF-1 VALLEY FRAMING DETAIL



FI-1 FRAME IN-FILL OF EXISTING OPENING



DATE: 05/24/2024

DESCRIPTION: CONSTRUCTION

NBR: JENKINS MELISSA

NA: 211 SW HAVANNA WAY LAKE CITY, FL 32024

CONTRACTOR: JENKINS MELISSA

CLIENT: JENKINS MELISSA

P.L.D.: #34-SR-16-02474-005

DESIGNED D.D. CHECKED D.D.

JENKINS RESIDENCE

K & K DRAFTING AND DESIGN

15672 SE 92ND TERRACE, SUMMERFIELD FL 34491

PHONE: 352-817-6761 EMAIL: JKRAUSE@KANDKRAFTING.COM

CONSTRUCTION NOTES/DETAIL

PROJECT ENGINEER

O.E.I.

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DARRELL A. O'KAIN

FLORIDA PROFESSIONAL ENGINEER

No. 77580

STATE OF FLORIDA

Digitally signed by Darrell O'Kain Date: 2024.05.23 15:59:35-0400

DARRELL O'KAIN, P.E.

FLORIDA LICENSE NO. 77580

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY DARRELL O'KAIN, P.E. ON THE DATE INDICATED TO THE RIGHT.

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SHEET NO. 9

TYPICAL FASTENING SCHEDULE
FBBC TABLE 2304.10.1

DESCRIPTION OF BUILDING ELEMENTS	NUMBER AND TYPE OF FASTENER	SPACING AND LOCATION
1. Blocking between ceiling joists, rafters or trusses to top plate or other framing below	4-8d box (2-1/2" X 0.131"); or 3-8d common (2-1/2" X 0.131"); or 3-10d box (3" X 0.128); or 3-3" X 0.131" nails; or 3-1/4" 16 gage staples, 7/16" crown	Each end, toenail
Blocking between rafters or truss not at the wall top plate, to rafter or truss	2-8d common (2-1/2" X 0.131"); or 2-3" X 0.131" nails; or 2-3/4" 14 gage staples	Each end, toenail
Flat blocking to truss and web filler	2-16d common (3-1/2" X 0.162"); or 3-1/2" X 0.131" nails; or 3-3/4" 14 gage staples	Each end
2. Ceiling joists to top plate	4-8d box (2-1/2" X 0.131"); or 3-8d common (2-1/2" X 0.131"); or 3-10d box (3" X 0.128); or 3-3" X 0.131" nails; or 3-1/4" 16 gage staples, 7/16" crown	Each joist, toenail
3. Ceiling joist not attached to parallel rafter laps over partitions (no thrust) [see section 2301.2]	3-16d common (3-1/2" X 0.162"); or 4-10d box (3" X 0.128); or 4-3" X 0.131" nails; or 4-3/4" 14 gage staples, 7/16" crown	Face nail
4. Ceiling joist attached to parallel rafter (heel joint) [see section 2301.2]	Per Section 2301.2	Face nail
5. Collar tie to rafter	3-10d common (3" X 0.148); or 4-10d box (3" X 0.128); or 4-3" X 0.131" nails; or 4-3/4" 14 gage staples, 7/16" crown	Face nail
6. Rafter or roof truss to top plate (see Section 2301.2)	3-10d common (3" X 0.148); or 3-16d box (3-1/2" X 0.135); or 4-10d box (3" X 0.128); or 4-3" X 0.131" nails; or 4-3/4" 14 gage staples, 7/16" crown	2 toenails on one side and 1 toenail on opposite side of rafter or truss
7. Roof rafters to ridge, valley or hip rafter or roof rafter to 2-inch ridge beam	3-16d common (3-1/2" X 0.162"); or 3-16d box (3-1/2" X 0.135); or 3-10d box (3" X 0.128); or 3-3" X 0.131" nails; or 3-3/4" 14 gage staples, 7/16" crown	End nail
8. Stud to stud (not at braced wall panels)	16d common (3-1/2" X 0.162); or 10d box (3" X 0.128); or 3" X 0.131" nails; or 3-3/4" 14 gage staples, 7/16" crown	24" o.c. face nail
9. Stud to stud and abutting studs at intersecting wall corners (at braced wall panels)	16d common (3-1/2" X 0.162); or 10d box (3" X 0.128); or 3" X 0.131" nails; or 3-3/4" 14 gage staples, 7/16" crown	16" o.c. face nail
10. Built-up header (2" to 2" header)	16d common (3-1/2" X 0.162); or 10d box (3" X 0.128); or 3" X 0.131" nails; or 3-3/4" 14 gage staples, 7/16" crown	16" o.c. each edge, face nail
11. Continuous header to stud	4-8d common (2-1/2" X 0.131"); or 4-10d box (3" X 0.128); or 4-8d box (2-1/2" X 0.117); or 16d common (3-1/2" X 0.162); or 10d box (3" X 0.128); or 3" X 0.131" nails; or 3-3/4" 14 gage staples, 7/16" crown	Toenail
12. Top plate to top plate	10d box (3" X 0.128); or 3" X 0.131" nails; or 3-3/4" 14 gage staples, 7/16" crown	12" o.c. face nail
13. Top plate to top plate, at end joints	8-16d common (3-1/2" X 0.162); or 12-16d box (3-1/2" X 0.135); or 12-10d box (3" X 0.128); or 12-3" X 0.131" nails; or 12-3/4" 14 gage staples, 7/16" crown	Each side of end joint, face nail (minimum 24" lap splice length each side of end joint)
14. Bottom plate to joist, rim joist, band joist or blocking (not at braced wall panels)	16d common (3-1/2" X 0.162); or 10d box (3" X 0.128); or 3" X 0.131" nails; or 3-3/4" 14 gage staples, 7/16" crown	12" o.c. face nail
15. Bottom plate to joist, rim joist, band joist or blocking at braced wall panels	2-16d common (3-1/2" X 0.162); or 3-16d box (3-1/2" X 0.135); or 4-10d box (3" X 0.128); or 4-3" X 0.131" nails; or 4-3/4" 14 gage staples, 7/16" crown	Toenail
16. Stud to top or bottom plate	3-16d common (3-1/2" X 0.162); or 4-10d box (3" X 0.128); or 4-3" X 0.131" nails; or 4-3/4" 14 gage staples, 7/16" crown	End nail
17. Reserved		
18. Top plates, laps at corners and intersections	2-16d common (3-1/2" X 0.162); or 3-10d box (3" X 0.128); or 3-3" X 0.131" nails; or 3-3/4" 14 gage staples, 7/16" crown	Face nail
19. 1" brace to each stud and plate	3-8d box (2-1/2" X 0.113); or 2-8d common (2-1/2" X 0.131); or 2-10d box (3" X 0.128); or 2-3" X 0.131" nails; or 2-3/4" 14 gage staples, 7/16" crown	Face nail
20. 1" X 6" sheathing to each bearing	3-8d common (2-1/2" X 0.131); or 3-8d box (2-1/2" X 0.113); or 2-10d box (3" X 0.128); or 2-1" 3/4" 16 gage staples, 1" crown	Face nail
21. 1" X 6" and wider sheathing to each bearing	3-8d common (2-1/2" X 0.131); or 4-8d box (2-1/2" X 0.113); or 3-10d box (3" X 0.128); or 4-1" 3/4" 16 gage staples, 1" crown	Face nail

TYPICAL FASTENING SCHEDULE (CONTINUED)
FBBC TABLE 2304.10.1

DESCRIPTION OF BUILDING ELEMENTS	NUMBER AND TYPE OF FASTENER	SPACING AND LOCATION	
22. Joist to sill, top plate or girder	4-8d box (2-1/2" X 0.113); or 3-8d common (2-1/2" X 0.131); or 3-10d box (3" X 0.128); or 3-3" X 0.131" nails; or 3-1/4" 16 gage staples, 7/16" crown	Toenail	
23. Rim joist, band joist, or blocking to top plate, sill or other framing below	8d common (2-1/2" X 0.131); or 10d box (3" X 0.128); or 3" X 0.131" nails; or 3-1/4" 16 gage staples, 7/16" crown	4" o.c., toenail	
24. 1" X 6" subfloor or less to each joist	3-8d box (2-1/2" X 0.113); or 2-8d common (2-1/2" X 0.131); or 2-10d box (3" X 0.128); or 2-1" 3/4" 16 gage staples, 1" crown	Face nail	
25. 2" subfloor to joist or girder	3-16d box (3-1/2" X 0.135); or 2-16d common (3-1/2" X 0.162)	Blind and face nail	
26. 2" planks (plank & beam - floor & roof)	3-16d box (3-1/2" X 0.135); or 2-16d common (3-1/2" X 0.162)	Each bearing, face nail	
27. Built-up girders and beams, 2" lumber layers	20d common (4" X 0.192); or 10d box (3" X 0.128); or 3" X 0.131" nails; or 3-1/4" 16 gage staples, 7/16" crown	32" o.c., face nail at top and bottom staggered on opposite sides	
28. Ledger strip supporting joists or rafters	2-20d box (4" X 0.192); or 2-10d box (3" X 0.128); or 2-3" X 0.131" nails; or 2-3/4" 16 gage staples, 7/16" crown	24" o.c., face nail at top and bottom staggered on opposite sides	
29. Joist to band joist or rim joist	3-16d common (3-1/2" X 0.162); or 4-10d box (3" X 0.128); or 4-3" X 0.131" nails; or 4-3/4" 14 gage staples, 7/16" crown	End nail	
30. Bridging or blocking to joist, rafter or truss	2-8d common (2-1/2" X 0.131); or 2-10d box (3" X 0.128); or 2-3" X 0.131" nails; or 2-3/4" 14 gage staples, 7/16" crown	Each end, toenail	
Wood structural panels (WSP), subfloor, roof and interior wall sheathing to framing and particleboard wall sheathing to framing?			
SPACING OF FASTENERS			
DESCRIPTION OF BUILDING ELEMENTS	NUMBER AND TYPE OF FASTENER	Edges (inches)	Intermediate supports (inches)
31. 3/8" - 1/2"	6d common or deformed (2" X 0.113); or 2-3/8" X 0.113" (subfloor and wall)	6	12
	8d common or deformed (2-1/2" X 0.131" X 0.281" (head/roof); or RSRS-01 (2-3/8" X 0.113" nail (roof))	6"	6"
	1-3/4" 16 gage staple, 7/16" crown (subfloor and wall)	4	8
	2-3/8" X 0.113" X 0.266" head nail (roof)	3"	3"
	1-3/4" 16 gage staple, 7/16" crown (roof)	3"	3"
	8d common (2-1/2" X 0.131); or deformed (2" X 0.113" (subfloor and wall)	6	12
32. 19/32" - 3/4"	8d common or deformed (2-1/2" X 0.131" X 0.281" (head/roof); or RSRS-01 (2-3/8" X 0.113" nail (roof))	6"	6"
	2-3/8" X 0.113" X 0.266" head nail; or 2" 16 gage staple, 7/16" crown	4	8
33. 7/8" - 1-1/4"	10d common (3" X 0.148); or deformed (2-1/2" X 0.131" X 0.281" (head/roof))	6	12
Other exterior wall sheathing			
34. 1/2" fiberboard sheathing	1-1/2" X 0.120" galvanized roofing nail, (7/16" head diameter); or 1-1/4" 16 gage staple with 7/16" or 1" crown	3	6
35. 25/32" fiberboard sheathing	1-3/4" X 0.120" galvanized roofing nail, (7/16" head diameter); or 1-1/2" 16 gage staple with 7/16" or 1" crown	3	6
Wood structural panels, combination subfloor underlayment to framing			
36. 3/4" and less	8d common (2-1/2" X 0.131); or 3-10d box (3" X 0.128); or 3-3" X 0.131" nails; or 3-3/4" 14 gage staples, 7/16" crown	6	12
37. 7/8" - 1"	8d common (2-1/2" X 0.131); or 3-10d box (3" X 0.128); or 3-3" X 0.131" nails; or 3-3/4" 14 gage staples, 7/16" crown	6	12
38. 1-1/8" - 1-1/4"	10d common (3" X 0.148); or deformed (2-1/2" X 0.131" X 0.281" (head/roof))	6	12
39. 1/2" or less	6d corrosion-resistant siding (1-7/8" X 0.106); or 6d corrosion-resistant casing (2" X 0.099)	6	12
40. 5/8"	6d corrosion-resistant siding (2-3/8" X 0.128); or 6d corrosion-resistant casing (2-1/2" X 0.113)	6	12
41. 1/4"	4d casing (1-1/2" X 0.080); or 4d finish (1-1/2" X 0.072)	6	12
42. 3/8"	6d finish (Panel supports at 24 inches)	6	12

R903.2 FLASHING

FLASHINGS SHALL BE USED TO SEAL ROOFING SYSTEMS, WHERE THE SYSTEM IS INTERRUPTED OR TERMINATED AND SHALL BE INSTALLED IN A MANNER THAT PREVENTS MOISTURE FROM ENTERING THE WALL AND ROOF THROUGH JOINTS IN CORNERS, THROUGH MOISTURE PERMEABLE MATERIALS AND AT INTERSECTIONS WITH PARAPET WALLS AND OTHER PENETRATIONS THROUGH THE ROOFING SYSTEM.

R903.2.1 LOCATIONS FLASHINGS SHALL BE INSTALLED AT WALL AND ROOF INTERSECTIONS, WHEREVER THERE IS A CHANGE IN ROOF SLOPE OR DIRECTION AND AROUND ROOF OPENINGS, WHERE FLASHING IS OF METAL, THE METAL SHALL BE CORROSION RESISTANT WITH A THICKNESS OF NOT LESS THAN PROVIDED IN TABLE R903.1 OR IN COMPLIANCE WITH RAS 111.

EXCEPTION: FLASHING IS NOT REQUIRED AT HIP AND RIDGE JOINTS.

TABLE R903.2.1
METAL FLASHING MATERIAL

MATERIAL	GAGE	WEIGHT (lbs per sq ft)
COPPER	0.024	1 (16 0Z)
ALUMINUM	0.024	—
STAINLESS STEEL	—	28
CALVANIZED ZINC COATED STEEL	0.0179	26 (ZINC COATED G90)
ALUMINUM ZINC COATED STEEL	0.0179	26 (AZ50 ALUM ZINC)
ZINC ALLOY	0.027	—
PAINTED TERNE	—	1.25 (20 0Z)

R905.2.8.2 VALLEYS

VALLEY LININGS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS BEFORE APPLYING SHINGLES. VALLEY LININGS OF THE FOLLOWING TYPES SHALL BE PERMITTED:

- FOR OPEN VALLEYS (VALLEY LINING EXPOSED) USED WITH METAL, THE VALLEY LINING SHALL BE NOT LESS THAN 16 INCHES (406 MM) WIDE AND OF ANY OF THE CORROSION-RESISTANT METALS IN TABLE R905.2.1.
- FOR OPEN VALLEYS, VALLEY LINING OF TWO TYPES OF METAL-SURFACED ROLL ROOFING, COMPLYING WITH ASTM D3950 OR ASTM DESIGN CLASS 2 AND NOT LESS THAN 16 INCHES (406 MM) WIDE AND THE TOP LAYER NOT LESS THAN 36 INCHES (914 MM) WIDE.
- FOR CLOSED VALLEYS (VALLEY COVERED WITH SHINGLES), VALLEY LINING OF ONE TYPE OF SMOOTH ROLL ROOFING, COMPLYING WITH ASTM D6380 CLASS 5 AND NOT LESS THAN 36 INCHES (914 MM) OR VALLEY LINING AS DESCRIBED IN ITEM 2 OR 3 SHALL BE PERMITTED. SELF-ADHERING POLYMER MODIFIED BITUMEN UNDERLAYMENT COMPLYING WITH ASTM D1970 AND NOT LESS THAN 36 INCHES (914 MM) WIDE SHALL BE PERMITTED IN LIEU OF THE LINING MATERIAL.

FBC R905.1.1.1 UNDERLAYMENT FOR ASPHALT SHINGLES, METAL ROOF PANELS OR SHINGLES, MINERAL SURFACED ROLL ROOFING, SLATE AND SLATE-TYPE SHINGLES, WOOD SHAKES AND WOOD SHINGLES

UNDERLAYMENT FOR ASPHALT SHINGLES, METAL ROOF PANELS OR SHINGLES, MINERAL SURFACED ROLL ROOFING, SLATE AND SLATE-TYPE SHINGLES, WOOD SHAKES AND WOOD SHINGLES SHALL COMPLY WITH ONE OF THE FOLLOWING METHODS:

- THE ENTIRE ROOF DECK SHALL BE COVERED WITH AN APPROVED SELF-ADHERING POLYMER-MODIFIED BITUMEN UNDERLAYMENT COMPLYING WITH ASTM D1970 INSTALLED IN ACCORDANCE WITH BOTH THE UNDERLAYMENT MANUFACTURER'S AND ROOF COVERING MANUFACTURER'S INSTALLATION INSTRUCTIONS FOR THE DECK MATERIAL, ROOF VENTILATION CONFIGURATION AND CLIMATE EXPOSURE FOR THE ROOF COVERING TO BE INSTALLED. EXCEPTIONS:
 - THIS METHOD IS NOT PERMITTED FOR WOOD SHINGLES OR SHAKES.
 - AN EXISTING SELF-ADHERING MODIFIED BITUMEN UNDERLAYMENT THAT HAS BEEN PREVIOUSLY INSTALLED OVER THE ROOF DECKING AND, WHERE IT IS REQUIRED, REMAINS OUT THE SHEARING IN ACCORDANCE WITH SECTION 706.7.1 OF THE FLORIDA BUILDING CODE, EXISTING UNDERLAYMENT SHALL BE REMOVED OR VERIFIED AN APPROVED UNDERLAYMENT IN ACCORDANCE WITH TABLE R905.1.1.1. FOR THE APPLICABLE ROOF COVERING SHALL BE APPLIED OVER THE ENTIRE ROOF OVER THE EXISTING SELF-ADHERED BITUMEN UNDERLAYMENT.
- A MINIMUM 3/4"-INCH-WIDE (95 MM) STRIP OF SELF-ADHERING POLYMER-MODIFIED BITUMEN MEMBRANE COMPLYING WITH ASTM D1970 OR SELF-ADHERING FLEXIBLE FLASHING TAP COMPLYING WITH ANA 711, LEVEL 3 [FOR USE WITH 1787 (800)], INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS FOR THE DECK MATERIAL, SHALL BE APPLIED OVER ALL JOINTS IN THE ROOF DECKING, AN APPROVED UNDERLAYMENT IN ACCORDANCE WITH TABLE R905.1.1.1 FOR THE APPLICABLE ROOF COVERING SHALL BE APPLIED OVER THE ENTIRE ROOF OVER THE MEMBRANE.
- 3 LAYERS OF ASTM D226 TYPE II, ASTM D4869 TYPE III OR TYPE IV OR ASTM D8257 UNDERLAYMENT SHALL BE INSTALLED AS FOLLOWS: APPLY A STRIP OF UNDERLAYMENT FOR THE FIRST COURSE THAT IS HALF THE WIDTH OF A FULL SHEET PARALLEL TO AND STARTING AT THE EAVES, FASTENED SUFFICIENTLY TO HOLD IN PLACE, STARTING AT THE EAVE, APPLY A FULL SHEET OF UNDERLAYMENT, FOR THE SECOND COURSE, APPLY THE UNDERLAYMENT OVERLAPPING THE FIRST COURSE BY HALF THE WIDTH OF A FULL SHEET PLUS 2 INCHES (51 MM). OVERLAP ALL SUCCESSIVE COURSES HALF THE WIDTH OF A FULL SHEET PLUS 1 INCH (25 MM). END LAPS SHALL BE 6 INCHES (152 MM) AND SHALL BE OFFSET BY 6 FEET (1829 MM). UNDERLAYMENT SHALL BE ATTACHED TO A MANUEABLE CORROSION-RESISTANT FASTENERS WITH A MAXIMUM FASTENER SPACING, MEASURED HORIZONTALLY AND VERTICALLY, OF 12 INCHES (305 MM) O.C. BETWEEN SIDE LAPS, AND ONE ROW AT THE END AND SIDE LAPS FASTENED 6 INCHES (152 MM) O.C. 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