GENERAL NOTES:

DISCLAIMER

- 1. THE FOLLOWING SPECIFICATIONS ARE AN OUTLINE OF MINIMUM MATERIAL REQUIREMENTS AND THEIR APPLICATION. MANUFACTURER SPECIFICATION AND LOCAL CODE REQUIREMENTS, WHEN IN EXCESS OF MINIMUM SPECIFICATION, SHALL CONTROL. IT IS THE CONTRACTOR'S RESPONSIBILITY TO REVIEW AND SUBMIT ALL SHOP DRAWINGS AND REPORT ALL DOCUMENT DISCREPANCIES TO THE STRUCTURAL ENGINEER PRIOR TO FABRICATION OR ERECTION.
- 2. AT CONSTRUCTION ISSUE, THESE DRAWING REPRESENT STRUCTURAL COMPONENTS IN THEIR FINAL AND FINISHED STATE. CONSTRUCTION PROCEDURES, BRACING METHODS, SAFETY PRECAUTIONS OR MECHANICAL REQUIREMENTS USED TO ERECT THEM ARE THE SOLE RESPONSIBILITY OF THE GENERAL CONTRACTOR OR SUBCONTRACTOR PERFORMING THE WORK.

BUILDING DESIGN CRITERIA:

A. CODES

2018 INTERNATIONAL RESIDENTIAL CODE
BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE (ACI 318)
BUILDING CODE REQUIREMENTS FOR CONCRETE MASONRY STRUCTURES (ACI 531)
ASCE 7-16

B. DESIGN LOADS

FLOOR DEAD LOAD	20 PSF
FLOOR LIVE LOAD	40 PSF
ROOF DEAD LOAD	16 PSF
ROOF LIVE LOAD	20 PSF - RE

ROOF LIVE LOAD 20 PSF - REDUCIBLE C. WIND LOADS PER ASCE 7-16 & 2018 IBC RISK CATEGORY II ULTIMATE DESIGN WIND SPEED, V_{ult} = 160 MPH

NOMINAL DESIGN WIND SPEED, $V_{asd} = 124$ MPH * EXPOSURE CATEGORY = C MEAN ROOF HEIGHT, $h = \pm 30$ FEET ADJUSTMENT FACTOR FOR HEIGHT AND EXPOSURE, $\Lambda = 1.40$ TOPOGRAPHIC FACTOR, $K_{zt} = 1.00$

a = ± 3 FEET ROOF SLOPE, $\theta = \frac{3}{12} = 14.0^{\circ}$

COMPONENTS AND CLADDING DESIGN PRESSURES ** REFERENCE: FIGURE 30.5-1 & SECTION 30.5.2 OF ASCE 7-16

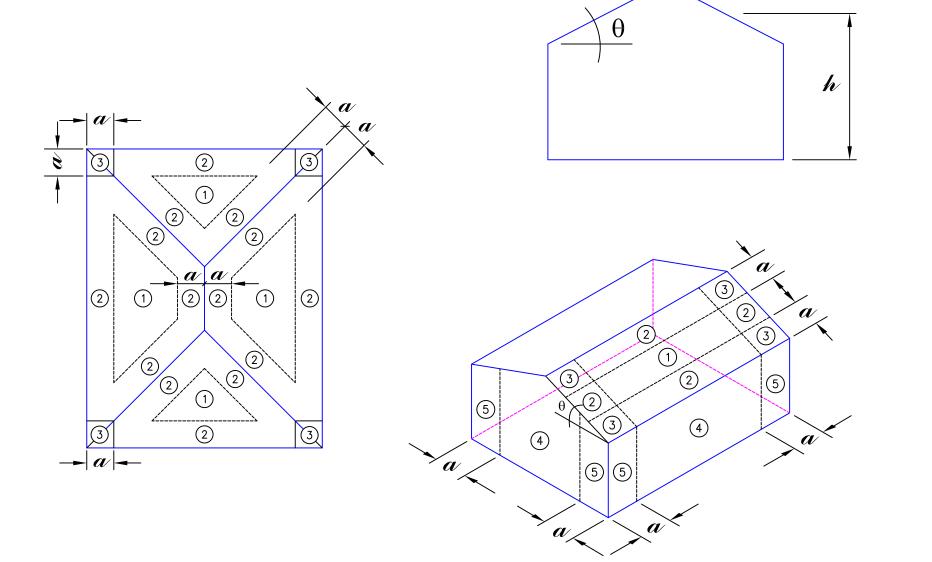
<u> </u>		OTTE O	0.5-1 & 3LC11C	N 30.3.2 OF AC
ZONE		TRIB.	COMPONENT	
		AREA	POSITIVE (+)	NEGATIVE (-)
	1	10	+22.7	-36.0
		20	+20.7	-35.0
		20 50	+18.1	-33.7
		100	+16.0	-33.7 -32.5
ROOF	2	10	+22.7	-62.7
		20	+20.7	-57.7
		20 50	+18.1	-51.1
ĬŽ.		100	+16.0	-46.1
	3	10 20 50	+22.7	-92.7
		20	+20.7	-86.7
		50	+18.1	-78.7
		100	+16.0	-72.7
	4	10	+39.3	-42.7
		20 50	+37.5	-40.9
١.		50	+35.3	-38.5
WALL		100	+33.5	-36.8
 	5	10	+39.3	-52.6
		20	+37.5	-49.1
		50	+35.3	-44.5
		100	+33.5	-40.9

REFERENCE FIGURES BELOW:

DESIGN ALL WINDOWS AND DOORS AS IMPACT RESISTANCE FOR PRESSURE ABOVE

DESIGN WIND LOAD NOTES:

*	REFERENCE SECTION 1609.3.1 AND/OR TABLE 1609.3.1 OF THE 2018 INTERNATIONAL BUILDING CODE FOR CONVERSION OF Vult TO Vasd.
**	SHOWN IN THIS TABLE ARE NET DESIGN WIND PRESSURES, p _{net} , DETERMINED PER SECTION 30.5.2 OF ASCE 7-16. THESE PRESSURES ARE BASED ON <u>ULTIMATE WIND SPEED</u> , V _{ult} , PER FIGURE 26.5-1A AND SHALL BE APPLIED NORMAL TO EACH BUILDING SURFACE AS SHOWN IN FIGURE 30.5-1.
	NOTE THAT WIND LOAD DERIVED USING THESE PRESSURES WILL BE REDUCED BY A FACTOR OF 0.6 IF ALLOWABLE STRESS DESIGN COMBINATIONS ARE USED IN ACCORDANCE WITH SECTION 2.4.1 OF ASCE 7-16.
***	MINIMUM NET DESIGN WIND PRESSURE PER ASCE 7-16 SECTION 30.2.2.



<u>LUMBER</u>

- 1. UNLESS NOTED OTHERWISE, ALL LUMBER SHALL BE #2 KD SOUTHERN YELLOW PINE OR #2 SPRUCE PINE FIR WITH A MAXIMUM MOISTURE CONTENT OF 19 PERCENT.
- 2. ALL LUMBER IN CONTACT WITH CONCRETE OR MASONRY SHALL BE PRESSURE TREATED. ALL LUMBER EXPOSED TO EXTERIOR ENVIRONMENT SHALL BE PRESSURE TREATED.
- 3. EXTERIOR LOAD-BEARING STUD FRAMING SHALL BE NO. 2 SYP OR SPF: Fb=1000, E=1400 KSI.
- 4. UNLESS NOTED OTHERWISE, ALL EXTERIOR WALL SHEATHING TO BE 15/32" PLYWOOD ATTACHED DIRECTLY TO WALL FRAMING MEMBERS. BLOCK ALL PANEL EDGES AND NAIL WITH 8d COMMON NAILS @ 4"o.c. AT ALL PANEL EDGES, BLOCKING, AND TOP & BOTTOM PLATES WITH FIELD NAILING @ 12"o.c.
- 5. ALL PLYWOOD PANELS SHALL BE INSTALLED IN ACCORDANCE WITH APA RECOMMENDATIONS AND RELATED SPECIFICATIONS. ORIENTED STRAND BOARD "OSB" MAY BE SUBSTITUTED FOR PLYWOOD WHERE APPROVED BY THE ARCHITECT/ENGINEER AND PROVIDED THE PANELS CONFORM TO THE APPROPRIATE APA RATINGS FOR THE INTENDED APPLICATION.
- 6. PROVIDE A MINIMUM OF 2 STUDS NAILED TOGETHER BENEATH ALL HEADERS UNLESS NOTED OTHERWISE. USE AT LEAST 2-2x10 HEADER FOR ALL OPENINGS UP TO 4'-0" WIDE IN BEARING WALLS. USE AT LEAST 3-2x10 HEADER FOR ALL OPENINGS UP TO 8'-0" WIDE IN BEARING WALLS.
- 7. ALL MULTIPLE PIECE WOOD BEAMS SHALL BE CONNECTED TOGETHER WITH MINIMUM TWO ROWS OF 16D NAILS @ 12"o.c. (U.N.O.).
- 8. AS A MINIMUM, ANCHOR AND NAIL FRAMING SHALL COMPLY WITH "TABLE 2304.9.1 FASTENING SCHEDULE" OF THE 2018 INTERNATIONAL BUILDING CODE.
- 9. ALL BOLTS, NAILS, JOIST HANGERS, CLIPS, STRAPS, ETC. THAT ARE IN CONTACT WITH PRESSURE TREATED MATERIAL SHALL BE HOT—DIPPED GALVANIZED OR STAINLESS
- 10. ALL CONNECTORS AND HARDWARE SHALL BE INSTALLED IN STRICT COMPLIANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. SIZE, QUANTITY, AND LOCATION OF NAILS AND FASTENERS SHALL CONFORM TO THE MANUFACTURER'S PUBLISHED LITERATURE.

FOUNDATIONS:

- 1. NO SOILS REPORT HAS BEEN PREPARED FOR THIS PROJECT, UNLESS NOTED OTHERWISE. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING ADEQUATE SOIL SUPPORT FOR THE FOUNDATION DESIGN, AND SHALL REPORT UNEXPECTED CONDITIONS TO THE DESIGNER.
- 2. ALL FOOTINGS, OR PORTIONS THEREOF, BELOW GRADE MAY BE EARTH FORMED BY NEAT EXCAVATIONS.
- 3. FOOTINGS TO BE CENTERED ON WALLS OR COLUMNS UNLESS NOTED OTHERWISE.
- 4. ALLOWABLE SOIL BEARING = 1500 psf
- 5. COMPACT ALL SOILS BELOW SLAB AND FOOTINGS 95% STANDARD PROCTOR DENSITY.
- 6. ALL SOIL FILL TO BE PLACED IN 8" LIFTS AND COMPACTED TO 95% STANDARD PROCTOR DENSITY.

CONCRETE WORK:

- CONCRETE (NORMAL WEIGHT) COMPRESSIVE STRENGTH AT 28 DAYS SHALL BE 3000 PSI UNLESS NOTED.
- 2. ALL REINFORCING SHALL MEET ASTM A615, GRADE 60. ALL WELDED WIRE FABRIC (WWF) SHALL MEET ASTM A185.
- 3. CONCRETE COVERAGE OF REINFORCEMENT SHALL BE:
 FOOTINGS 3" BOTTOM AND SIDES

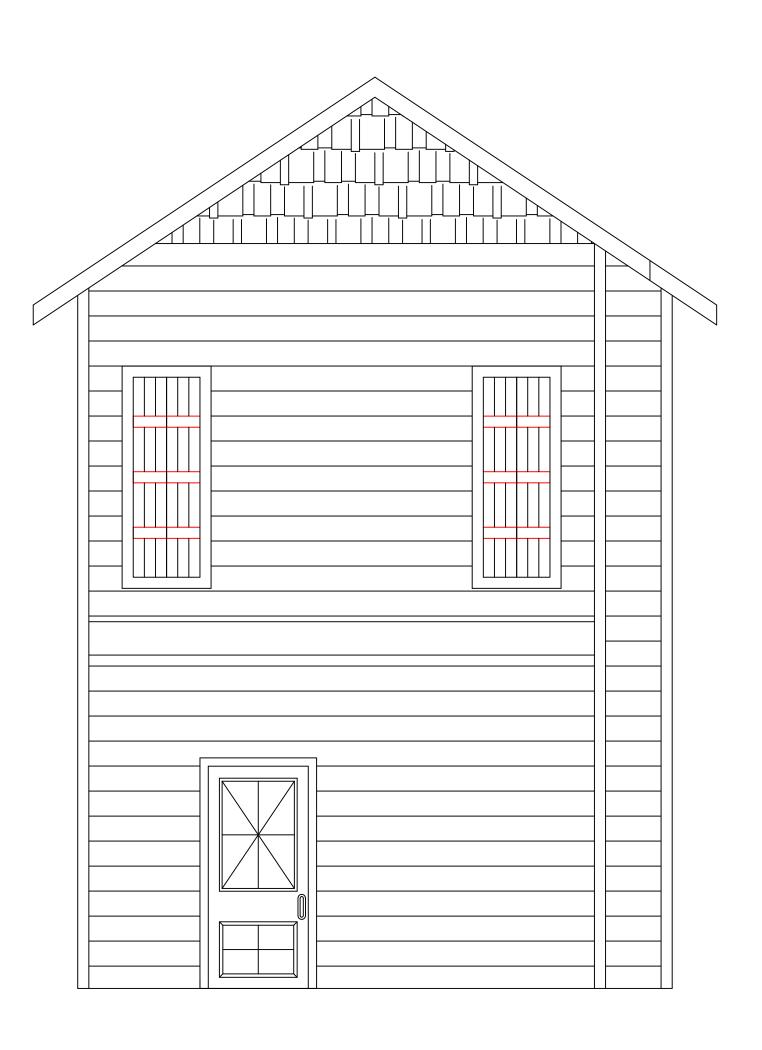
WALLS 1½
SLABS ¾"

PEDESTALS 1½" CLEAR OF TIES

- 4. ALL CONCRETE CONSTRUCTION SHALL CONFORM TO THE CURRENT "ACI MANUAL OF CONCRETE PLACEMENT".
- 5. PORTLAND CEMENT SHALL CONFORM TO ASTM C 150, TYPE I OR II.
- ALL AGGREGATE FOR NORMAL WEIGHT CONCRETE SHALL MEET ASTM C 33.
 ALL REINFORCING SHALL BE DETAILED, FABRICATED AND PLACED PER CRSI AND ACI STANDARDS, INCLUDING CONCRETE COVER AND BAR SUPPORTS. LAP BARS AT ALL SPLICES, INCLUDING CORNER BARS AND DOWELS, IN ACCORDANCE WITH SPLICE SCHEDULE OR IN LIEU THEREOF 40 BAR DIAMETERS. LAP WWF 6" OR ONE FULL MESH, WHICHEVER IS GREATER.

WIND BORNE DEBRIS PROTECTION FOR EXTERIOR WINDOWS IRC 2018

- 1. WINDOWS TO BE DESIGNED FOR A DESIGN WIND PRESSURE OF ±40 PSF, REFERENCE CHART.
- 2. *THE CONTRACTOR SHALL PROVIDE PLYWOOD PROTECTION FOR THE EXTERIOR WINDOWS IN ACCORDANCE WITH R613.4 WIND BORNE DEBRIS PROTECTION IN THE 2018 INTERNATIONAL RESIDENTIAL CODE.
- 3. THE CONTRACTOR SHALL PROVIDE WIND BORNE DEBRIS FASTENERS FOR THE WOOD STRUCTURAL PANELS IN ACCORDANCE WITH TABLE R301.2.1.2 IN THE 2018 INTERNATIONAL RESIDENTIAL CODE.
- 4. THE CONTRACTOR SHALL PROVIDE WOOD STRUCTURAL PANELS WITH A MINIMUM THICKNESS OF ½" AND A MAXIMUM SPAN OF 8 FEET IN ACCORDANCE WITH R301.2.1.2 INTERNAL PRESSURES IN THE 2018 INTERNATIONAL RESIDENTIAL CODE.
- 5. *AN OPTION TO THE PLYWOOD PROTECTION, THE CONTRACTOR MAY USE IMPACT RESISTANT WINDOWS.



FIRM, ASSUME NO LIABILITY FOR THE STRUCTURAL OR
FIRM, ASSUME NO LIABILITY FOR THE STRUCTURAL OR
ARCHITECTURAL DESIGN OF THIS DWELLING. EVERY EFFORT HAS
BEEN MADE TO ENSURE ALL DIMENSIONS ARE CORRECT AND ALL
FEDERAL, STATE, AND LOCAL CODE ORDINANCES, REGULATION,
ETC, ARE MET. IF AN ERROR OR OMMISSION DOES OCCUR, IT IS
THE RESPONSIBILITY OF THE OWNER/ CONTRACTOR TO CORRECT
THE ERROR AND / OR OMMISSION AT HIS/HER EXPENSE, AND IS

VECAISE DESIGN 228-493-1046

date description

PLANS FOR GRAIG BORDELON & CHRISTINE WILLIAMS RESIDENCE

DRAWN BY : HN

DATE: 11-6-24

SCALE NONE

SHEET NUMBER :

1

RAFTER SPANS

RAFTER SPANS FOR SOUTHERN PINE SPECIES (LIVE LOAD = 20 PSF, LA=240 DEAD LOAD =10PSF

SIZE	SPACING (INCHES)	SPANS (MAXIMUM RAFTER SPANS BETWEEEN BRACING) (FT-IN)
2"X6"	12.0	12'-11"
	16.0	11'-2"
	19.2	10'-2"
	24.0	9'-2"
2"X8"	12.0	16'-4"
	16.0	14'-2"
	19.2	12'-11"
	24.0	11'-7"
	12.0	19'-5"
2"X10"	16.0	16'-10"
	19.2	15'-4"
	24.0	13'-9"
_ ,, ,	12.0	22'-10"
	16.0	19'-10"
2"X12"	19.2	18'-1"
	24.0	16'-2"

NOTE: THE ABOVE TABLE IS BASED ON THE IRC 2018
TABLE R802.4.1 (3)

CEILING JOIST SPANS

CEILING JOIST SPANS FOR SOUTHERN PINE SPECIES UNINHABITABLE ATTIC WITHOUT STORAGE (LIVE LOAD = 20 PSF, LA=240 DEAD LOAD =10PSF

SIZE	SPACING	VISUALLY GRADED SOUTHEREN PINE
SIZE	(INCHES)	MAX CEILING JOIST SPAN (FT-IN)
2"X4"	12.0	9'-3"
	16.0	8'-0"
	19.2	7'-4"
	24.0	6'-7"
	12.0	13'-11"
2"X6"	16.0	12'-0"
	19.2	11'-0"
	24.0	9'-10"
	12.0	17'-7"
0.2770.2	16.0	15'-3"
2"X8"	19.2	13'-11"
	24.0	12'-6"
2"X10"	12.0	20'-11"
	16.0	18'-1"
	19.2	16'-6"
	24.0	14'-9"
NOTE:		TABLE IS BASED ON THE IRC 2018 FABLE R802.5.1 (2)

GEN. NOTES

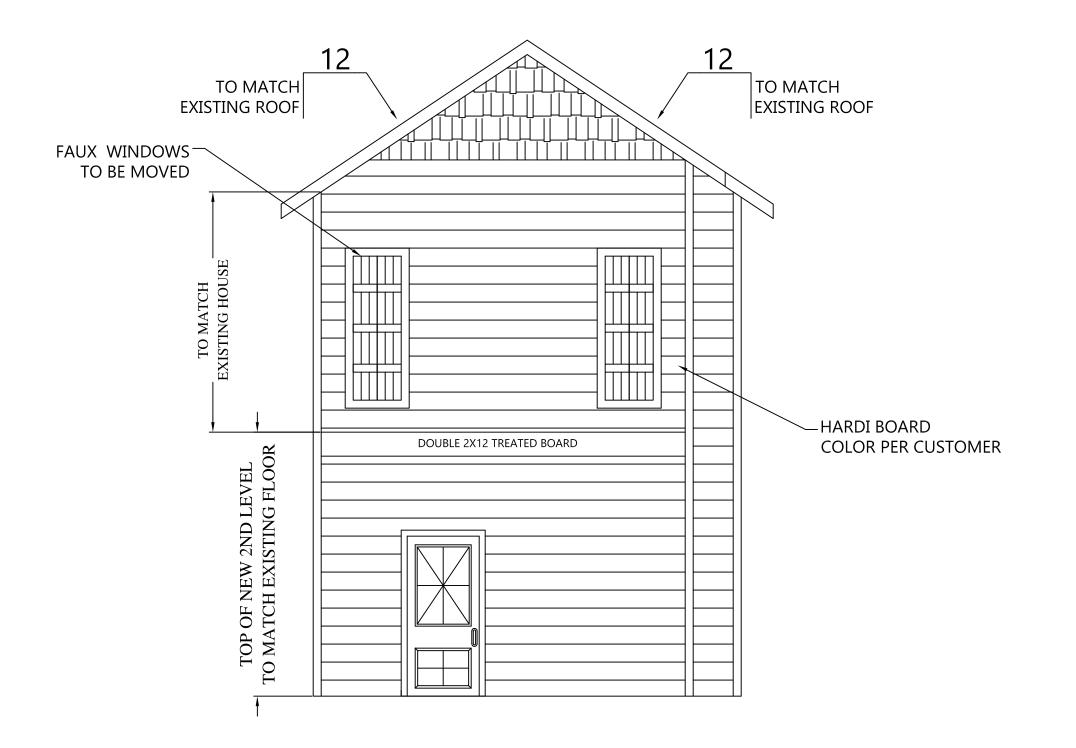
- 1. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH ALL APPLICABLE NATIONAL STATE AND LOCAL CODES, REGULATIONS AND FHA/VA MPS.
- 2. IT IS THE RESPONSIBILITY OF THE OWNER AND OR GENERAL CONTRACTOR TO CHECK ALL DIMENSION FOR THE JOB BEFORE CONSTRUCTION.
- 3. CONTRACTOR SHALL INSURE COMPATIBILITY OF THE BUILDING WITH SITE REQUIREMENTS.
- 4. THE CONTRACTOR IS RESPONSIBLE FOR ADJUSTING AND VERIFYING ALL STRUCTURAL DETAILS AND CONDITIONS TO MEET ALL LOCAL CODES AND TO
- INSURE A QUALITY AND SAFE STRUCTURE.

 5. ALL FEDERAL STATE AND LOCAL CODES,
 ORDINANCE.REGULATION,ETC SHALL BE CONSIDERED
 AS PART OF THE SPECIFICATION FOR THIS BUILDING
 AND TAKE PREFERENCE OVER ANYTHING SHOWN,
 DESCRIBED OR IMPLIED WHERE SAME WHERE ARE
 VARIANCE.
- 6. STAMPED/APPROVED PLAN (CITY) MUST BE ON SITE FOR ALL INSPECTION.
- 7. PROOF OF TERMITE TREATMENT SHALL BE SHOWN AT TIME OF FOOTING INSPECTION(CUSTOMER WANTS TERMITE TREATMENT ON ALL WALLS)
- 8. OWNER MUST SUPPLY SPECIFICATIONS ON ANY/ALL MANUFACTURED/ENGINEERED MEMBERS/MATERIALS INCLUDING SPANS,LOADS,LAYOUT,FASTENING DETAIL(130MPH) ETC (BEAM,JOIST,TRUSSES.METAL ROOFS,GARAGE DOORS.LIFTS/ELEVATORS,ETC.)
 9. ALL STRAPPING MUST BE HOT DIPPED GALVENIZED OR STAINLESS STEEL. STRAPS MUST REFERENCE 2018 IRC FOR TYPICAL METHODS OF ANCHORAGE AND BRACING.STRAP INSPECTION ARE REQUARED PRIOR TO
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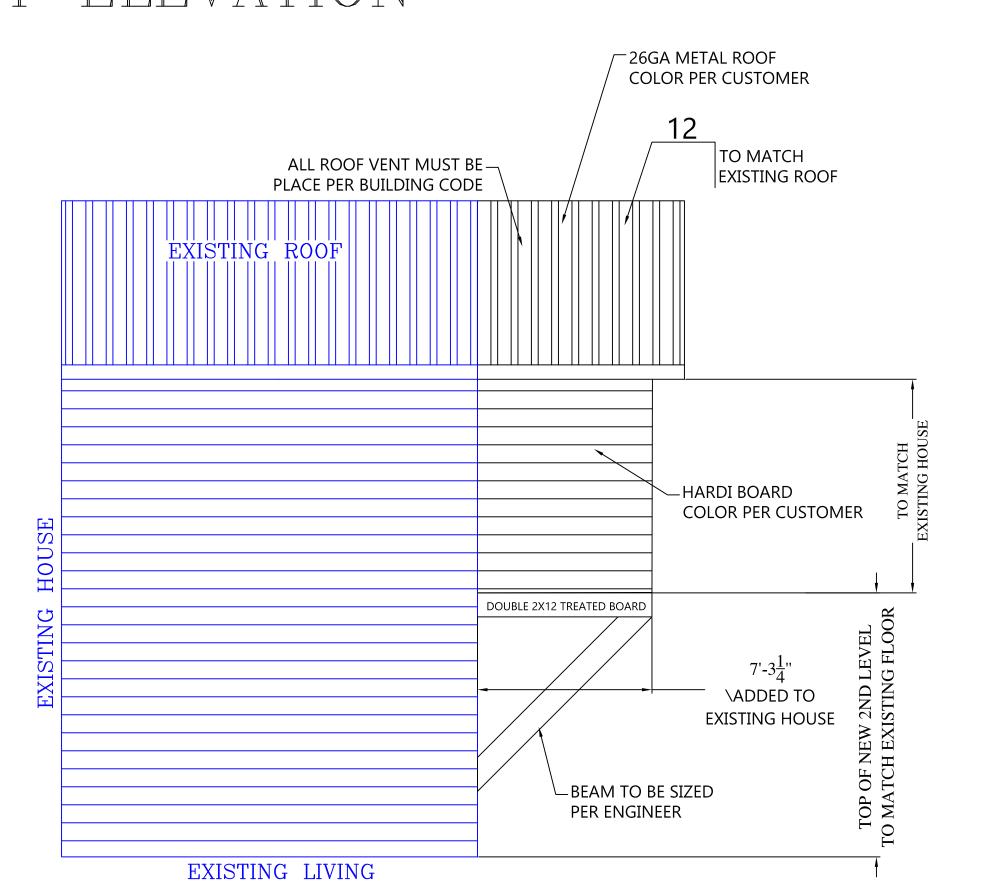
 10. ALL SHINGLES OR METAL ROOFING MUST MEET 130
 MPH SUSTAINED AMD 140 MPH 3 SECOND GUST.

 11. ALL 6" GUTTERS WILL BE PER CUSTOMER

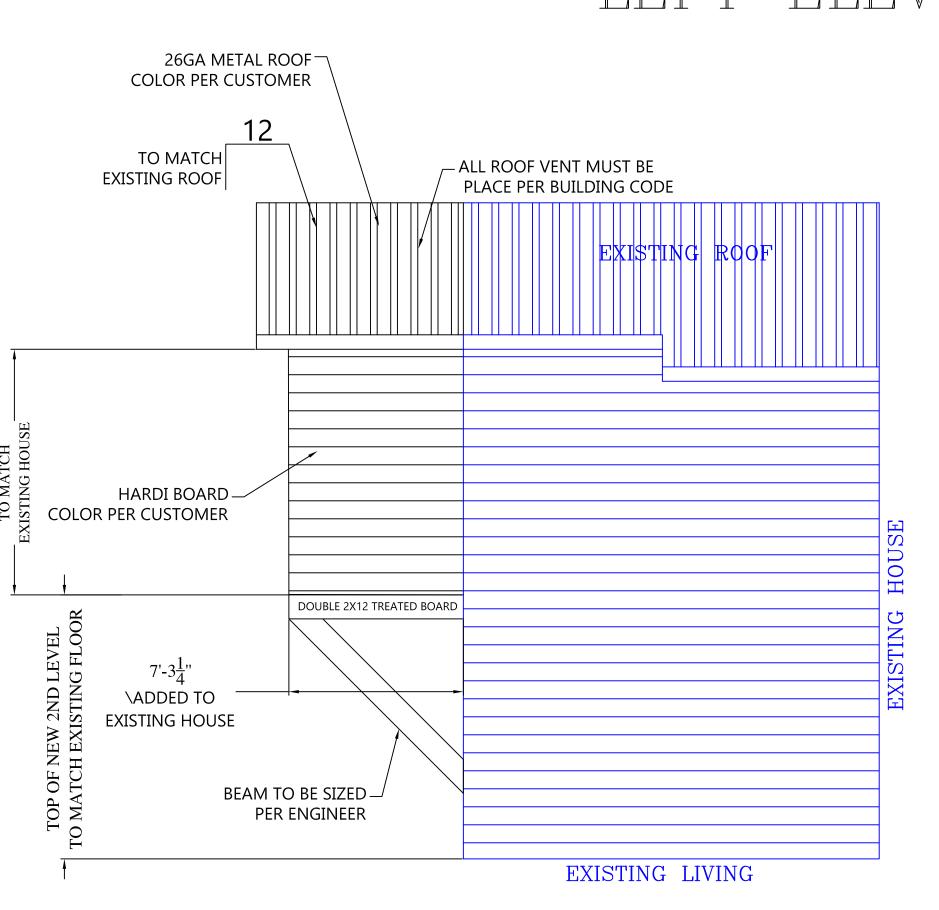
BACK ELEVATION

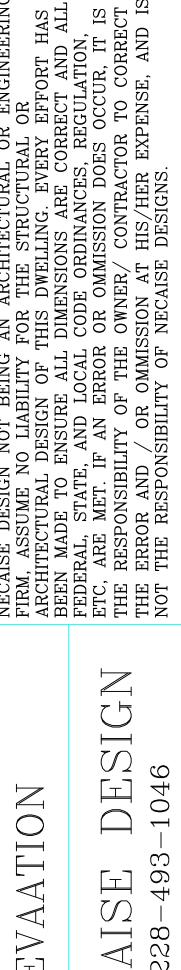


RIGHT ELEVATION



LEFT ELEVATION





BORDELO

DRAWN BY : HN

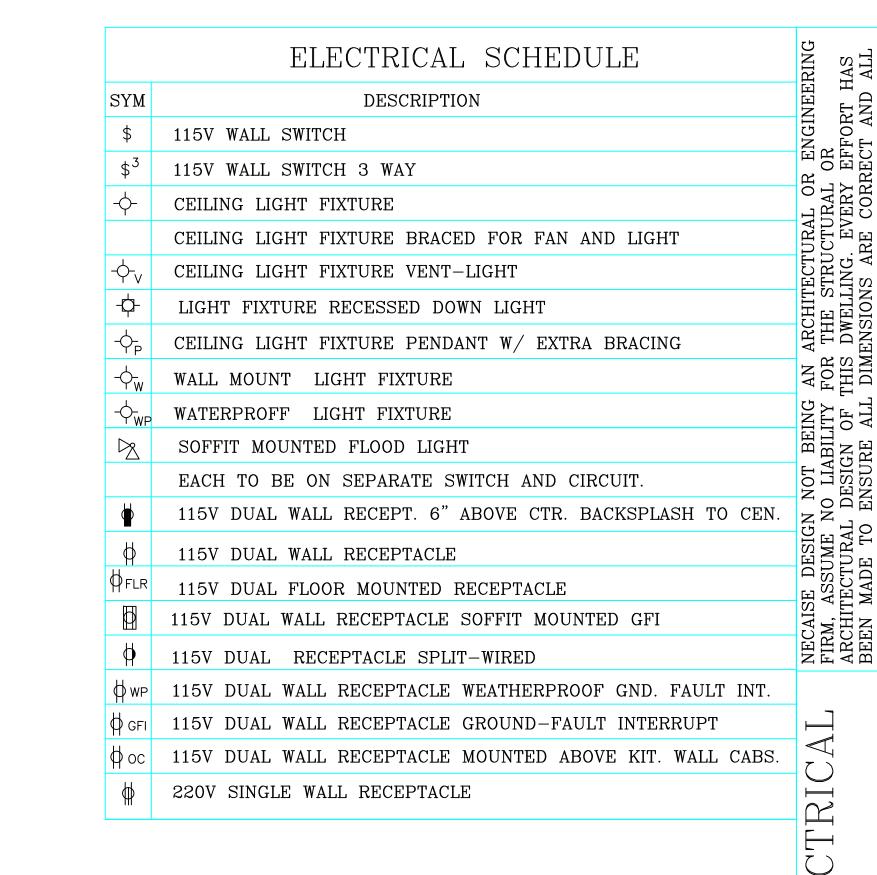
DATE: 10-31-24

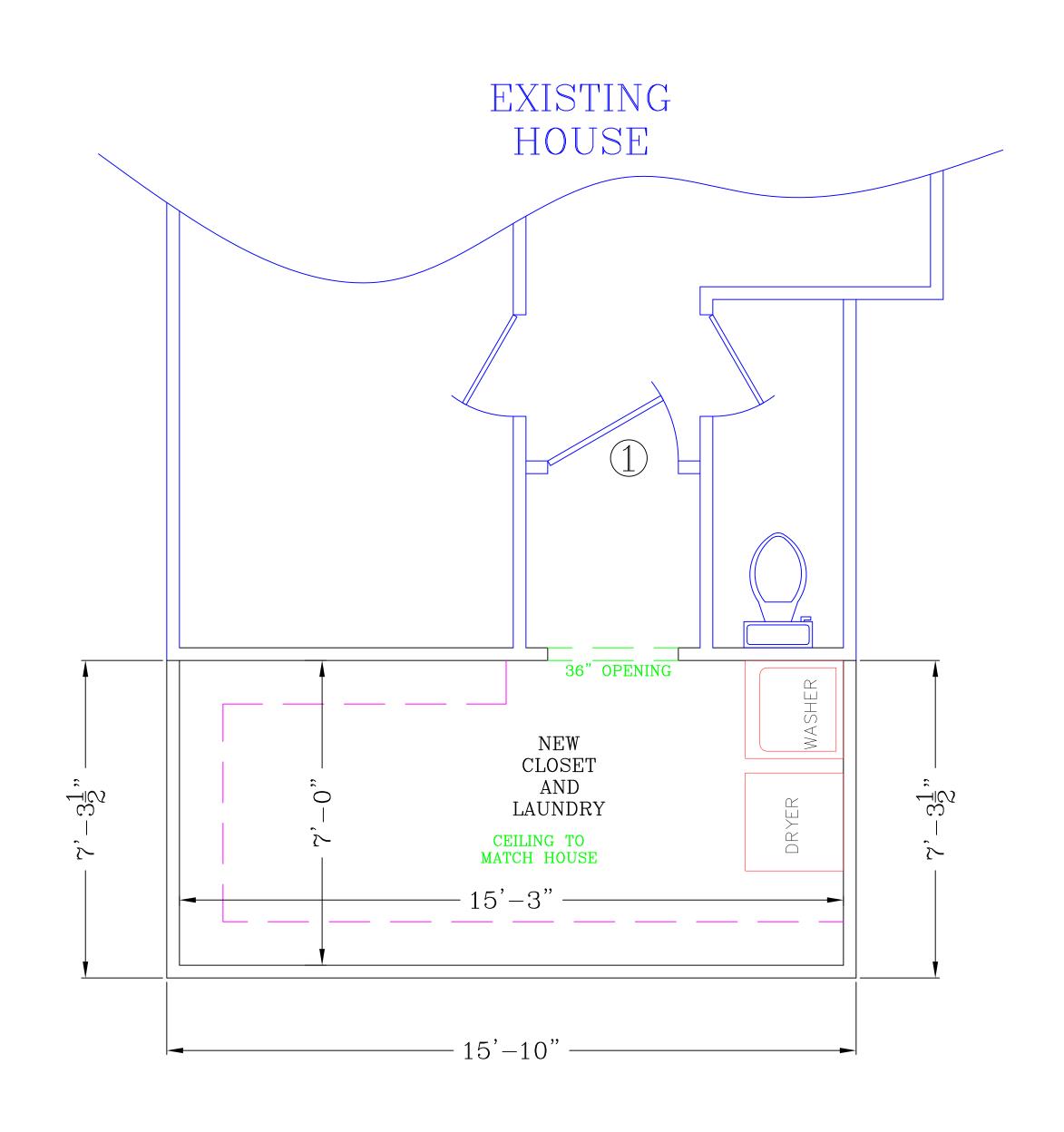
SCALE 1/4" =1'-0"

SHEET NUMBER

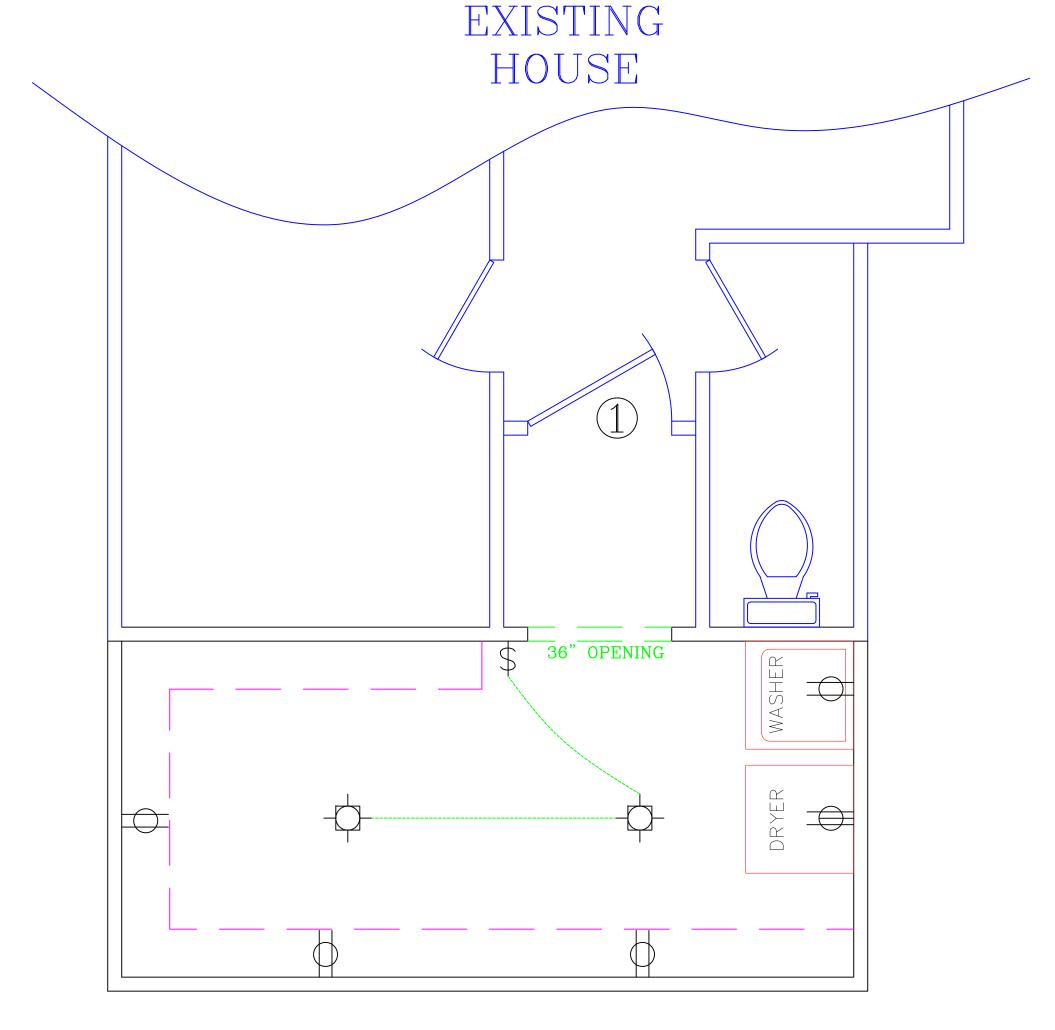
	DOOR SCHEDULE
MK	DESCRIPTION
1	3'-0" X 8'-0" INT. DOOR UNIT
2	
3	
4	
MK	WINDOW SCHEDULE
	DESCRIPTION

ALL MEASUREMENTS ARE FROM BOARD TO BOARD





SQ. FT. LIVING AREA



PLANS FOR GRAIG BORDELON & CHRISTINE WILLIAMS RESIDENCE

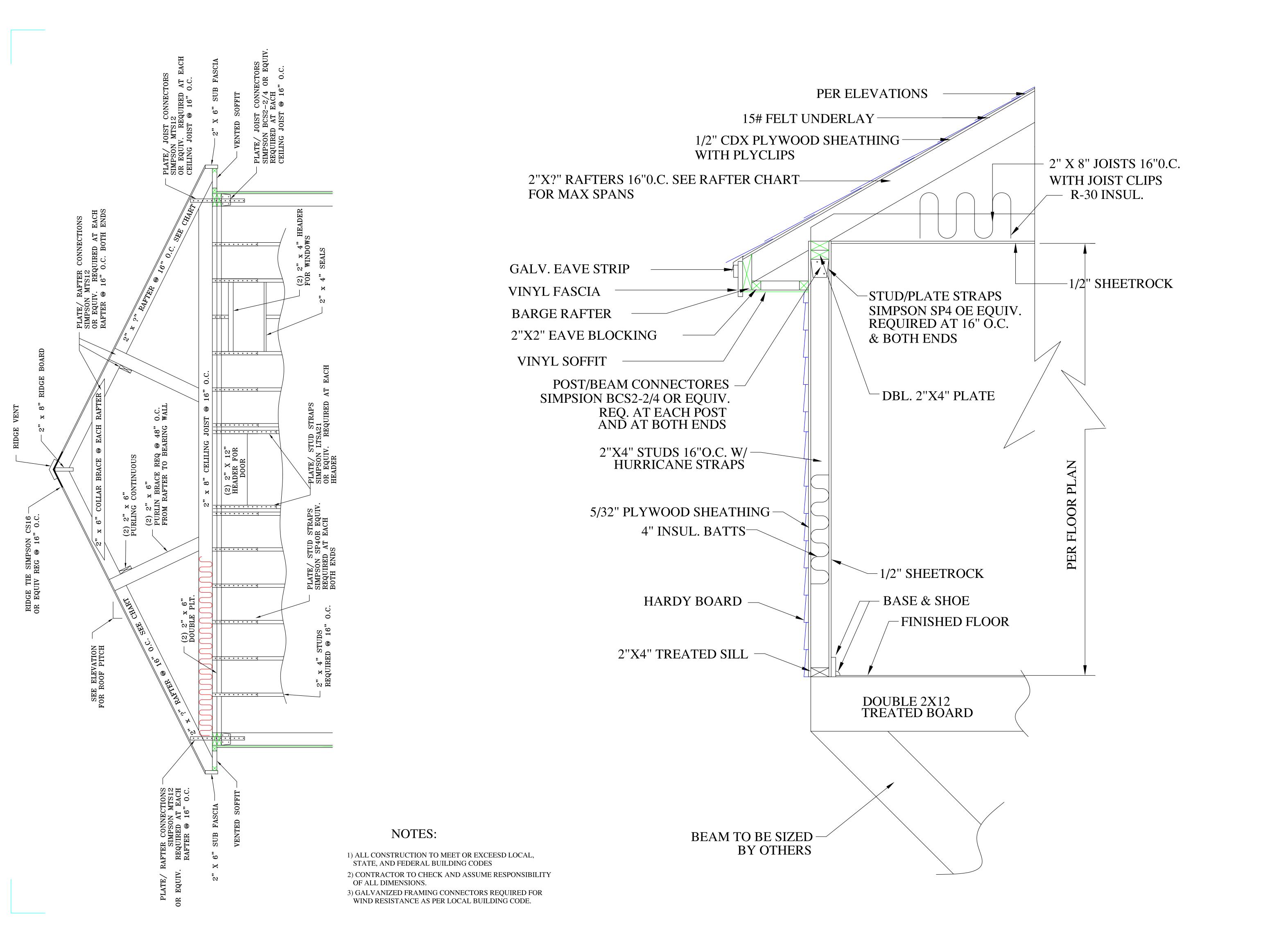
DRAWN BY : HN

DATE: 10-31-24

SCALE 1/2" =1'-0"

SHEET NUMBER

NECAISE DESIGN ALL RIGHTS RESERVED



NECAISE DESIGN NOT BEING AN ARCHITECTURAL OR ENGINEERING FIRM, ASSUME NO LIABILITY FOR THE STRUCTURAL OR ARCHITECTURAL DESIGN OF THIS DWELLING. EVERY EFFORT HAS BEEN MADE TO ENSURE ALL DIMENSIONS ARE CORRECT AND ALL FEDERAL, STATE, AND LOCAL CODE ORDINANCES, REGULATION, ETC, ARE MET. IF AN ERROR OR OMMISSION DOES OCCUR, IT IS THE RESPONSIBILITY OF THE OWNER/ CONTRACTOR TO CORRECT THE ERROR AND / OR OMMISSION AT HIS/HER EXPENSE AND IS

DETAILS NECAISE DESIGN

date description

GRAIG BORDELON & CHRISTINE WILLIAMS
RESIDENCE

DRAWN BY : HN

DATE: 11-6-24

SCALE NONE

SHEET NUMBER

NECAISE DESIGN ALL RIGHTS RESERVED

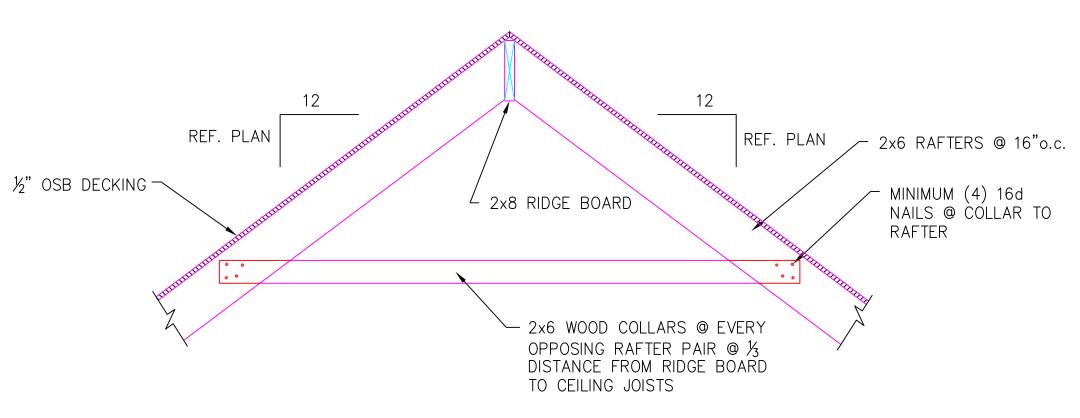
GEN. NOTES

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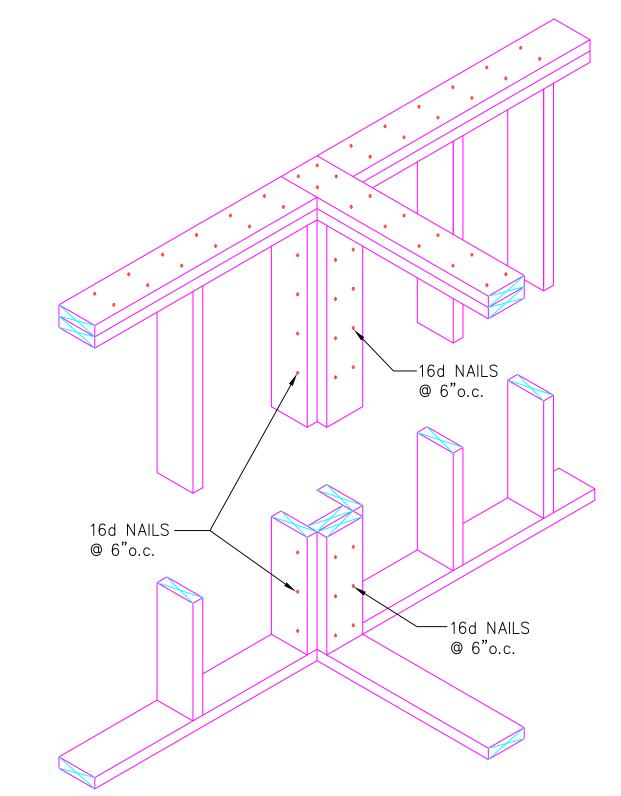
NOTE: THE ABOVE TABLE IS BASED ON THE IRC 2018

TABLE R802.5.1 (2)

- 3. CONTRACTOR SHALL INSURE COMPATIBILITY OF THE BUILDING WITH SITE REQUIREMENTS.
- 4. THE CONTRACTOR IS RESPONSIBLE FOR ADJUSTING AND VERIFYING ALL STRUCTURAL DETAILS AND CONDITIONS TO MEET ALL LOCAL CODES AND TO INSURE A QUALITY AND SAFE STRUCTURE .
- 5. ALL FEDERAL STATE AND LOCAL CODES, ORDINANCE.REGULATION, ETC SHALL BE CONSIDERED AS PART OF THE SPECIFICATION FOR THIS BUILDING AND TAKE PREFERENCE OVER ANYTHING SHOWN, DESCRIBED OR IMPLIED WHERE SAME WHERE ARE VARIANCE.
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- 10. ALL SHINGLES OR METAL ROOFING MUST MEET 130 MPH SUSTAINED AMD 140 MPH 3 SECOND GUST.
- 11. ALL 6" GUTTERS WILL BE PER CUSTOMER



ROOF COLLAR SECTION

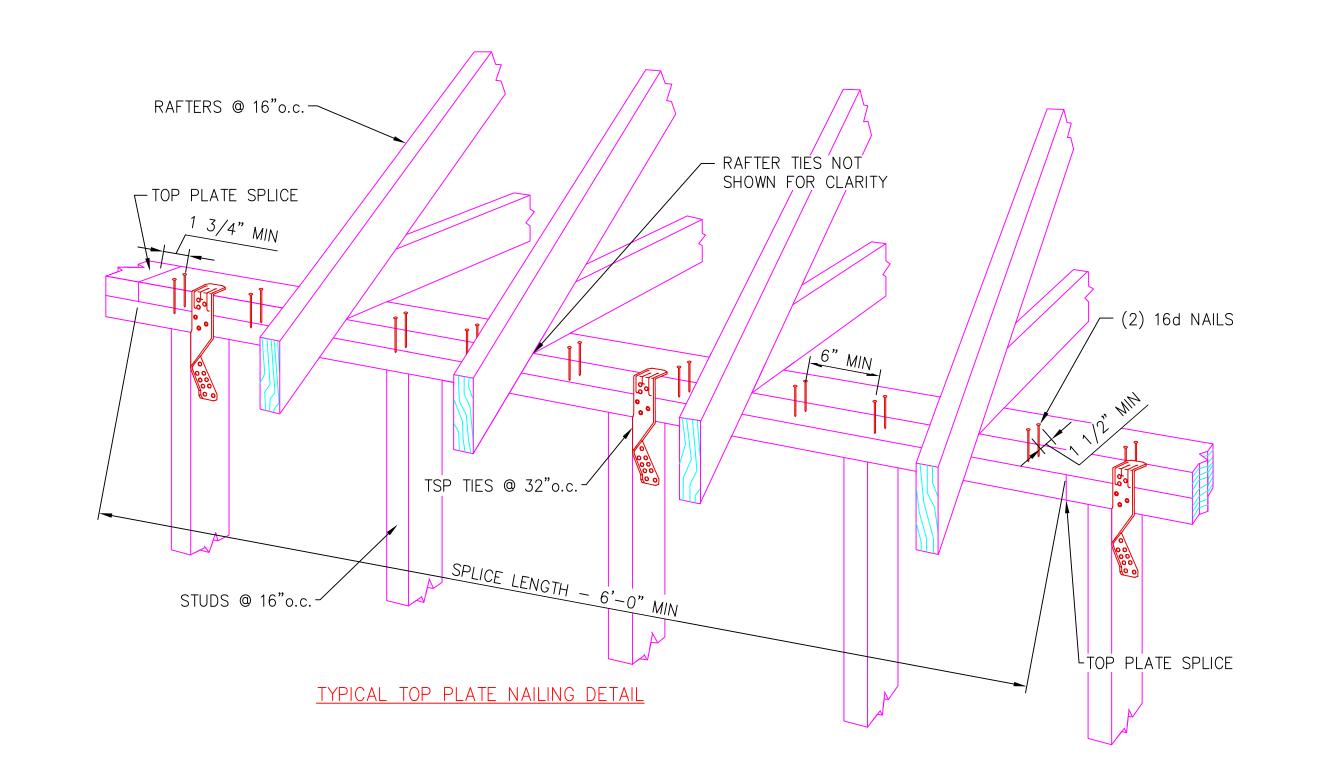


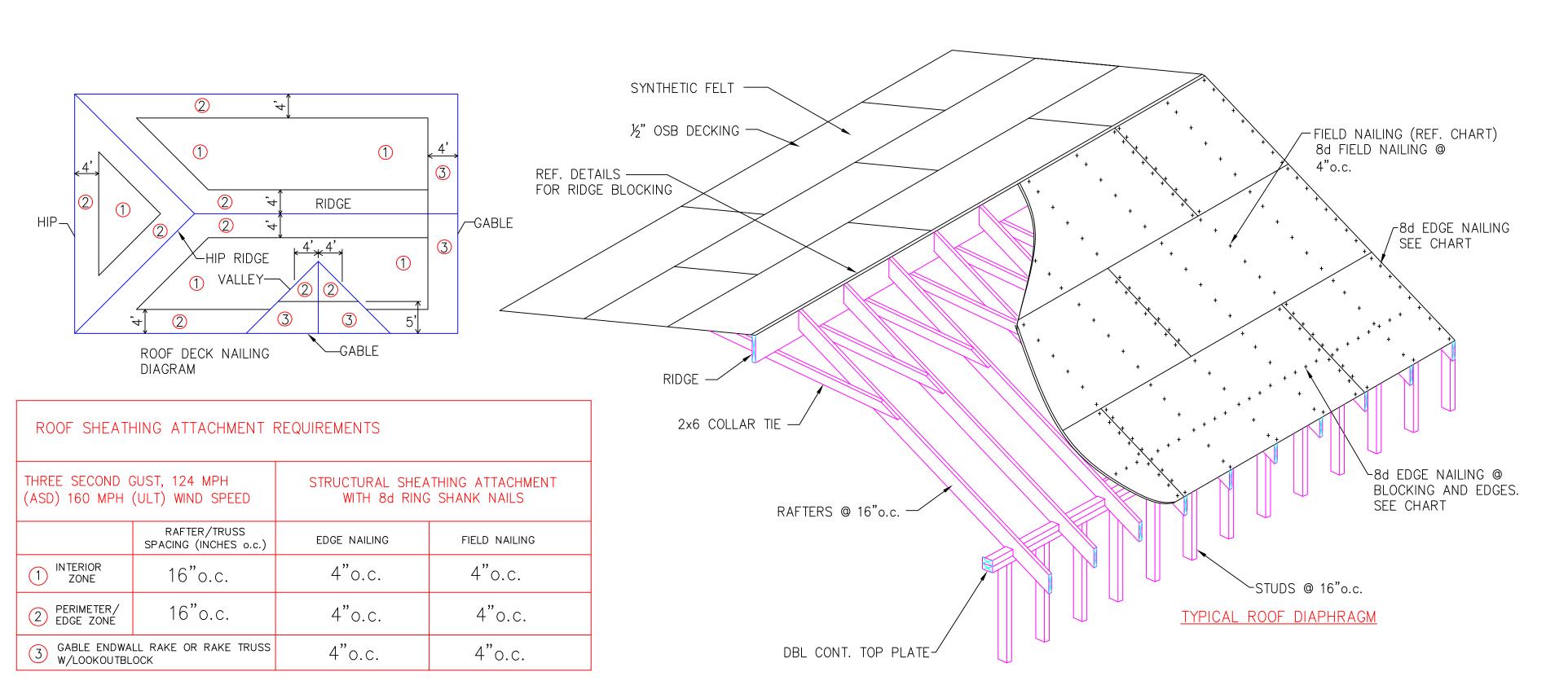
TOP & BTM PLATE INTERSECTION DETAIL

r(4) 16d NAILS



TOP PLATE INTERSECTION DETAIL





DELON & WILLIAMS IG BORDELO
ISTINE WILLI
RESIDENCE GRAI(CHRIS

DRAWN BY : HN DATE: 11-6-24 SCALE NONE

SHEET NUMBER

