

## ABBREVIATIONS

ACC.	= ACCESS
BWL.	= BRACED WALL LINE
BWP.	= BRACED WALL PANEL
C.O.	= CASSED OPENING
C.J.	= CEILING JOIST
C.LOS.	= CLOSET
COL.	= COLUMN
COMP.	= COMPOSITION
CONC.	= CONCRETE
CONT.	= CONTINUOUS
C.M.A.	= CARBON MONOXIDE ALARM
C.M.U.	= CONCRETE MASONRY UNIT
D.H.	= DOUBLE HUNG
DIA.	= DIAMETER
D.J.	= DOUBLE JOIST
DN.	= DOWN
E.H.	= EXHAUST
EXT.	= EXTERIOR
FL.J.	= FLOOR JOIST
FTG.	= FOOTING
G.F.I.	= GROUND FAULT INTERRUPTER
H.B.	= HOSE BIB
LVL.	= LAMINATED VENEER LUMBER
M.O.	= MASONRY OPENING
M.S.	= MASONRY
MAX.	= MAXIMUM
M.C.	= MEDICINE CABINET
M.T.L.	= METAL
MIN.	= MINIMUM
O.C.	= ON CENTER
OSB	= ORIENTED STRAND BOARD
PERF.	= PERFORATED
REC.	= RECESSED
REINF.	= REINFORCED
SCR.	= SCREENED
S.D.	= SMOKE DETECTOR
SEC.	= SECOND
SHWR.	= SHOWER
S.Y.P.	= SOUTHERN YELLOW PINE
S.P.F.	= SPRUCE/PINE/FIR
SUSP.	= SUSPENDED
TYP.	= TYPICAL
U.O.N.	= UNLESS OTHERWISE NOTED
WASH.	= WASHER
W.H.	= WATER HEATER
W.P.	= WEATHER PROOF
W.W.M.	= WELDED WIRE MESH
WDW. HT.	= WINDOW HEIGHT
WD.	= WOOD

## SYMBOLS

—O—	= HOSE BIB
S	= SWITCH
S <sub>3</sub>	= 3-WAY SWITCH
⊙	= LIGHT FIXTURE
⊞	= EXHAUST FAN & LIGHT
⊞	= SMOKE DETECTOR
▽	= SHOWER HEAD
▲	= TELEPHONE JACK
⊖	= CONVENIENCE OUTLET
⊖	= 220 VOLT OUTLET
⊖	= GROUND FAULT INTERRUPTER
⊖	= CEILING FAN
⊖	= CARBON MONOXIDE ALARM

## 2018 APPENDIX B BUILDING CODE SUMMARY

### PROJECT

Name of Project: Barber Shop  
Address: S. Railroad Street, Coats, NC  
Owner: Allen McNeill Phone #: 919-894-8714 Email:  
Owned By: Private  
Code Enforcement Jurisdiction: County: Harnett

### CONTACT

Architecture: Standard Homes Plan Service, Inc.  
Name: David Proctor, License: N/A  
Telephone: 800-334-3153  
Email: David@StandardHomes.com

NC BUILDING CODE: New Building

### BASIC BUILDING DATA

Construction Type: V-B  
Sprinklers: No  
Standpipes: No  
Fire District: No  
Special Inspections Required: No

Gross Building Area: NEW 320 SQ FT

### ALLOWABLE AREA

Primary Occupancy Classification: Business  
Incidental Uses: N/A  
Special Uses: N/A  
Special Provisions: N/A  
Mixed Occupancy: No

STORY NO.	DESCRIPTION AND USE	(A) BLDG. AREA PER STORY (ACTUAL)	(B) TABLE 504.2 AREA OF FRONTAGE INC.	(C) SHOWN ON PLANS	(D) ALLOWABLE AREA
1	BUSINESS BARBER SHOP	320 S.F.	9000 S.F.	N/A	9000 S.F.

Bldg. Height in Feet (Table 504.3)	ALLOWABLE	SHOWN ON PLANS	CODE REFERENCE
40 FT.		15 FT.	504.3
Bldg. Height in Stories (Table 504.4)	2	1	504.4

### FIRE PROTECTION REQUIREMENTS

Structural Frame: 0 RATING  
Bearing Walls (Exterior): 0 RATING  
Bearing Walls (Interior): N/A  
Nonbearing Walls (Exterior): 0 RATING  
Nonbearing Walls (Interior): 0 RATING  
Floor Construction: 0 RATING  
Floor/Ceiling Assembly: N/A  
Columns Supporting Floors: N/A  
Roof Construction: 0 RATING  
Roof/Ceiling Assembly: 0 RATING  
Columns Supporting Roof: N/A  
Short Enclosures (Exit): N/A  
Short Enclosures (Other): N/A  
Corridor Separation: N/A  
Occupancy/Fire Barrier Separation: N/A  
Party/Fire Wall Separation: N/A  
Smoke Barrier Separation: N/A  
Smoke Partition: N/A  
Tenant Sleeping Unit: N/A  
Sleeping Unit Separations: N/A  
Incidental Use Separation: N/A

### PERCENTAGE OF WALL OPENING CALCULATIONS

FIRE SEPARATION DISTANCE (FEET) FROM PROPERTY LINE	DEGREE OF OPENINGS PROTECTION (TABLE 705.8)	ALLOWABLE AREA (%)	ACTUAL SHOWN ON PLANS (%)
8.7 FT.	UP, NS	10%	0%
12.2 FT.	UP, NS	15%	8%

### LIFE SAFETY SYSTEM REQUIREMENTS

Emergency Lighting: Yes  
Exit Signs: Yes  
Fire Alarm: No  
Smoke Detection Systems: No  
Carbon Monoxide Detection: No

### LIFE SAFETY PLAN REQUIREMENTS

Life Safety Plan Sheet #: Sheet 1 of 5

Occupancy Use (for Occupant Load Calculation): Yes

Occupant Load for Each Area: Yes

Exit Sign Locations: Yes

Clear Exit Width for Each Exit Door: Yes

Max. Calculated Occupant Load for Each Exit Door: Yes

Actual Occupant Load for Each Exit Door: Yes

### ACCESSIBLE PARKING (SECTION 1106)

Lot or Parking Area: 2,231.58 SF  
Total # of Parking Spaces Provided: 3  
# of Accessible Spaces Provided: 96 Space: 1/132" Space: 0  
Total # of Accessible Provided: 1

### PLUMBING FIXTURE REQUIREMENTS (TABLE 2902.1)

Water Closet: Unisex 1  
Urinals: 0  
Lavatories: Unisex 1  
Shower/Tubs: 0  
Drinking Fountains: 0

### ENERGY SUMMARY

THERMAL ENVELOPE

Roof/Ceiling Assembly: GWB/Bat Insulation/Attic/

Description of Assembly: GWB/Bat Insulation/Sheathing/Siding

U-Value of Total Assembly: 0.177 Sheathing/Shingles

R-Value of Insulation: 38

Exterior Wall Assembly:

Description of Assembly: GWB/Bat Insulation/Sheathing/Siding

U-Value of Total Assembly: 0.059

R-Value of Insulation: 15

Openings (Windows or doors with glazing)

U-Value of Assembly: Door/Window: 0.3

Solar Heat Gain Coefficient: 0.25

Projection Factor: Overhang: 0.52 / No Overhang: 0

Door R-Value: 2.5

Floor Slab on Grade

Description of Assembly: 4" Conc./Vapor Barrier/Sub-base

U-Value of Total Assembly: 0.17

R-Value of Insulation: 10

Horizontal/Vertical Requirement: 24" Horizontal/8" Vertical

Slab Heated: No

## EXCAVATION

EXCAVATE TO UNDISTURBED SOIL. BOTTOM OF FOOTING SHALL EXTEND BELOW LOCAL FROST LINE AND TO A MINIMUM DEPTH OF 12" BELOW ADJACENT GRADE. (PRESUMED 2000 PSF SOIL BEARING CAPACITY).

EXPANSIVE, COMPRESSIVE OR SHIFTING SOILS SHALL BE REMOVED TO A DEPTH AND WIDTH SUFFICIENT TO ASSUME A STABLE MOISTURE CONTENT IN EACH ACTIVE ZONE.

## FOUNDATION

PROVIDE 1/2" DIA. STEEL ANCHOR BOLTS 6'-0" O.C., 1'-0" MAX. FROM CORNERS AND 1'-0" MAX. FROM ENDS OF EACH PLATE SECTION, WITH 7" MIN. EMBEDMENT.

PROVIDE FOUNDATION WATERPROOFING AND DRAIN WITH POSITIVE SLOPE TO OUTLET AS REQUIRED BY SITE CONDITIONS.

SLOPE GRADE AWAY FROM FOUNDATION WALLS 6" MINIMUM WITHIN THE FIRST 10 FEET.

PROVIDE PRESSURE TREATED LUMBER FOR SILLS, PLATES, BANDS AND ANY LUMBER IN CONTACT WITH MASONRY.

PROVIDE APPROVED AND BONDED CHEMICAL SOIL TREATMENT AGAINST FUNGUS, TERMITES AND OTHER HARMFUL INSECTS.

## FRAMING

ALL FLOOR JOISTS, CEILING JOISTS, RAFTERS, GIRDERS, HEADERS, SILLS AND BEAMS SHALL BE NO. 2 SPRUCE/PINE/FIR (S.P.F.) UNLESS OTHERWISE INDICATED.

ALL LOAD BEARING WALLS SHALL BE STUD GRADE SPRUCE/PINE/FIR (S.P.F.) UNLESS OTHERWISE INDICATED.

DESIGN SPECIFICATIONS FOR LAMINATED VENEER LUMBER (LVL) BEAMS AND HEADERS : GRADE : 2950F-2.0E

BENDING Fb : 2950

MOE : 2.0 X 10<sup>6</sup>

SHEAR Fv : 290

### SUPPORT FOR HEADERS:

HEADERS SHALL BE SUPPORTED ON EACH END WITH ONE OR MORE JACK STUDS OR WITH APPROVED FRAMING ANCHORS IN ACCORDANCE WITH BUILDING CODE (SEE PLAN). THE FULL-HEIGHT STUD ADJACENT TO EACH END OF THE HEADER SHALL BE END NAILLED TO EACH END OF THE HEADER WITH FOUR-16D NAILS. SEE TABLE BELOW.

MINIMUM NUMBER OF FULL HEIGHT STUDS AT EACH END OF HEADERS IN EXTERIOR WALLS:

HEADER SPAN (FEET)	MAXIMUM STUD SPACING (INCHES)
3 FEET OR LESS	1
4 FT.	2
8 FT.	3
12 FT.	5
16 FT.	6

## CLIMATIC AND GEOGRAPHICAL DESIGN CRITERIA

ROOF LIVE LOAD (POUNDS PER SQUARE FOOT) : 20 PSF  
ULTIMATE DESIGN WIND SPEED (MILES PER HOUR) : 120 MPH  
NOMINAL DESIGN WIND SPEED : 93 MPH  
EXPOSURE CATEGORY: "B" UNLESS OTHERWISE NOTED  
WINDOW DESIGN PRESSURE RATING : DP 25  
COMPONENT AND CLADDING LOADS FOR A BUILDING WITH A MEAN ROOF HEIGHT OF 30 FEET OR LESS:

PRESSURE ZONE	ULTIMATE DESIGN WIND SPEED (MPH)			
	115	120	130	140
ZONE 1	13.1, -14.0	14.2, -15.0	16.7, -18.0	19.4, -21.0
ZONE 2	13.1, -16.0	14.2, -18.0	16.7, -21.0	19.4, -24.0
ZONE 3	13.1, -16.0	14.2, -18.0	16.7, -21.0	19.4, -24.0
ZONE 4	14.3, -15.0	15.5, -16.0	18.2, -19.0	21.2, -22.0
ZONE 5	14.3, -19.0	15.5, -20.0	18.2, -24.0	21.2, -28.0

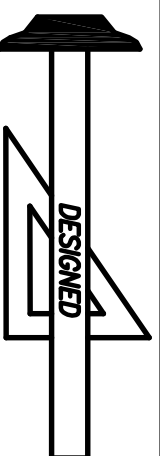
ASSUMED MEAN ROOF HEIGHT: 16'-1"

SEISMIC CONDITION BY ZONE : ZONES A AND B  
SUBJECT TO DAMAGE FROM WEATHERING : MODERATE  
CLIMATE ZONES (UNLESS OTHERWISE NOTED): ZONES 3 AND 4  
MINIMUM VALUES FOR ENERGY COMPLIANCE:  
CEILING R-38; EXTERIOR WALLS R-15; FLOORS R-19  
WINDOW U-FACTOR ≤ 0.35; RECOMMENDED SHGC ≤ 0.30

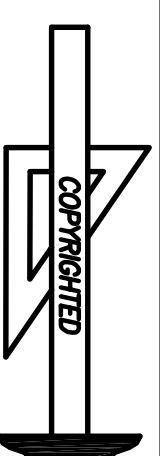
## MISCELLANEOUS

LOCATE ALL CONVENIENCE OUTLETS ABOVE BASE CABINETS 42" ABOVE FINISHED FLOOR.

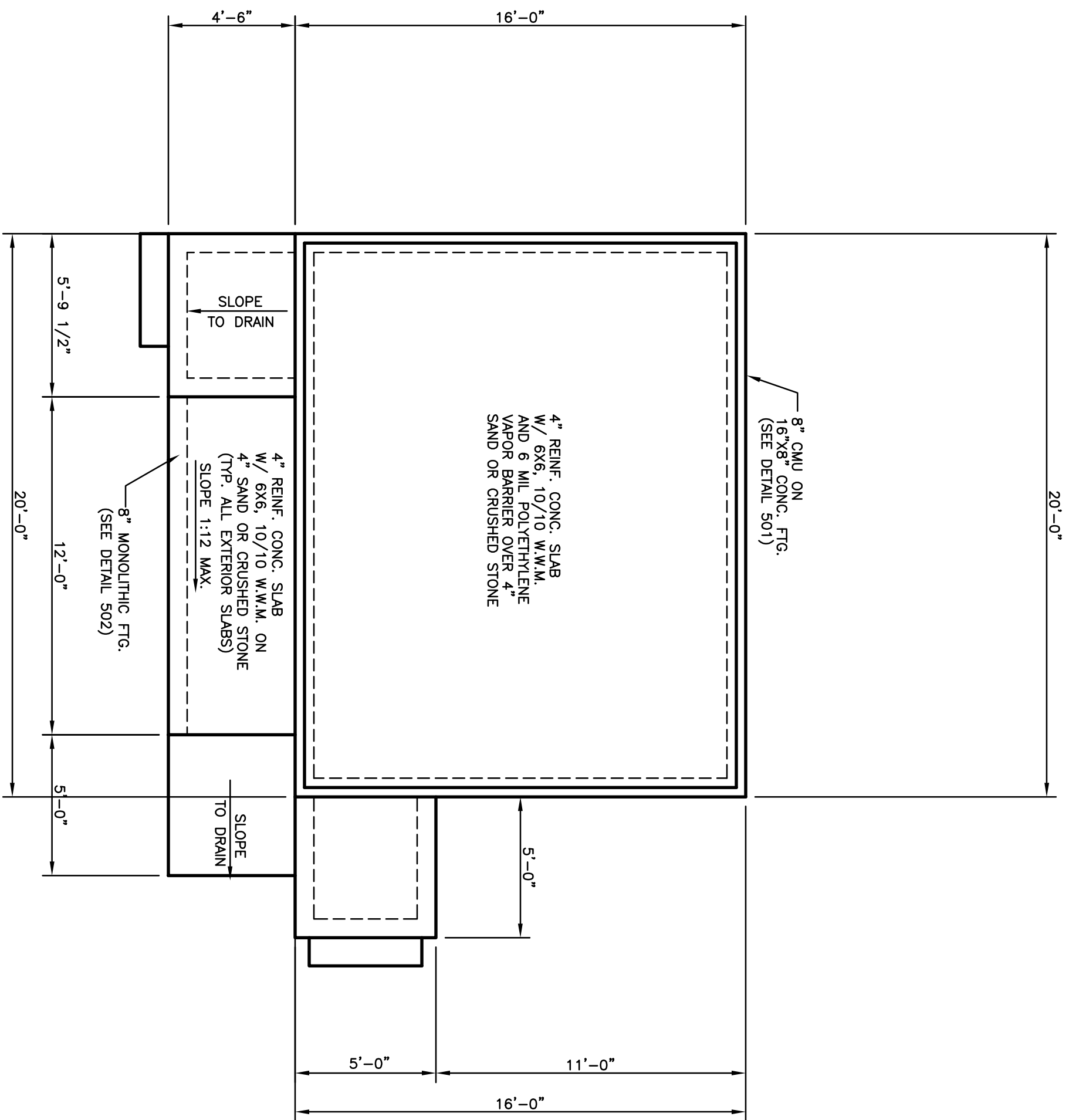
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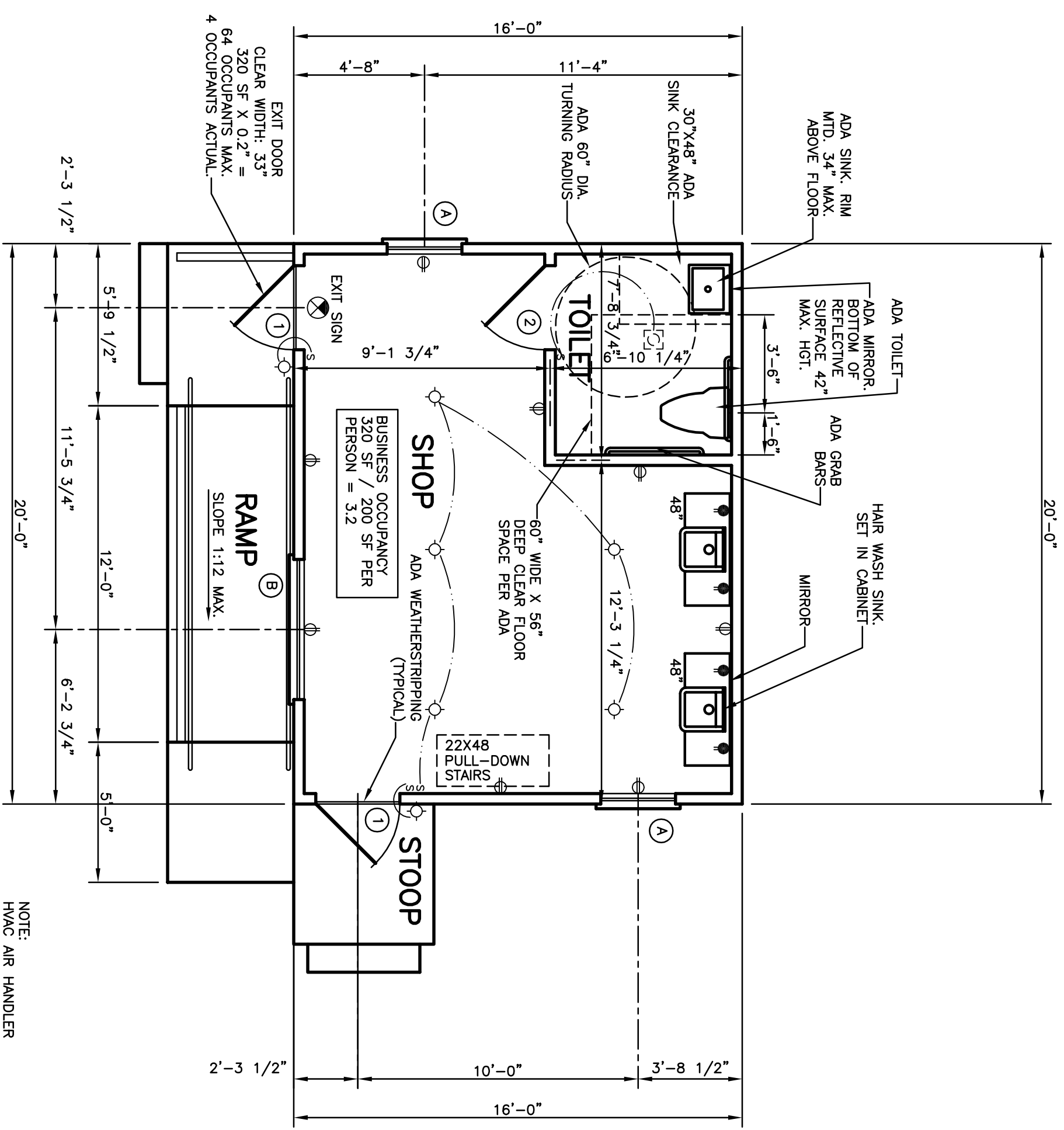
Standard Homes Plan Service, Inc.  
7200 SUNSET LAKE ROAD FUQUAY-VARINA, NC 27526  
(919)552-5677



DESIGNED FOR	PLAN	NO.	MATL.	SHEET
ALLEN McNEILL	CUSTOM	2560	SID.	1 OF 5



**202 FOUNDATION PLAN**  
SCALE : 1/4" = 1'-0"



**201 FLOOR PLAN**  
SCALE : 1/4" = 1'-0"  
HEATED AREA : 320 SQ. FT.  
FRONT STOOP : 26 SQ. FT.  
SIDE STOOP : 25 SQ. FT.

NOTE:  
HVAC AIR HANDLER  
UNIT TO BE INSTALLED  
IN ATTIC.

WINDOW SCHEDULE						DOOR SCHEDULE					
A	2'-8" X 4'-0" WD. D.H.	D		G		1	3'-0" X 6'-8" X 1 3/4" 9-LITE	4		7	
B	5'-0" X 4'-0" WD. FIXED	E		H		2	3'-0" X 6'-8" X 1 3/8"	5		8	
C		F		K		3		6		9	
				L		10				11	
				M		11				12	
				N							

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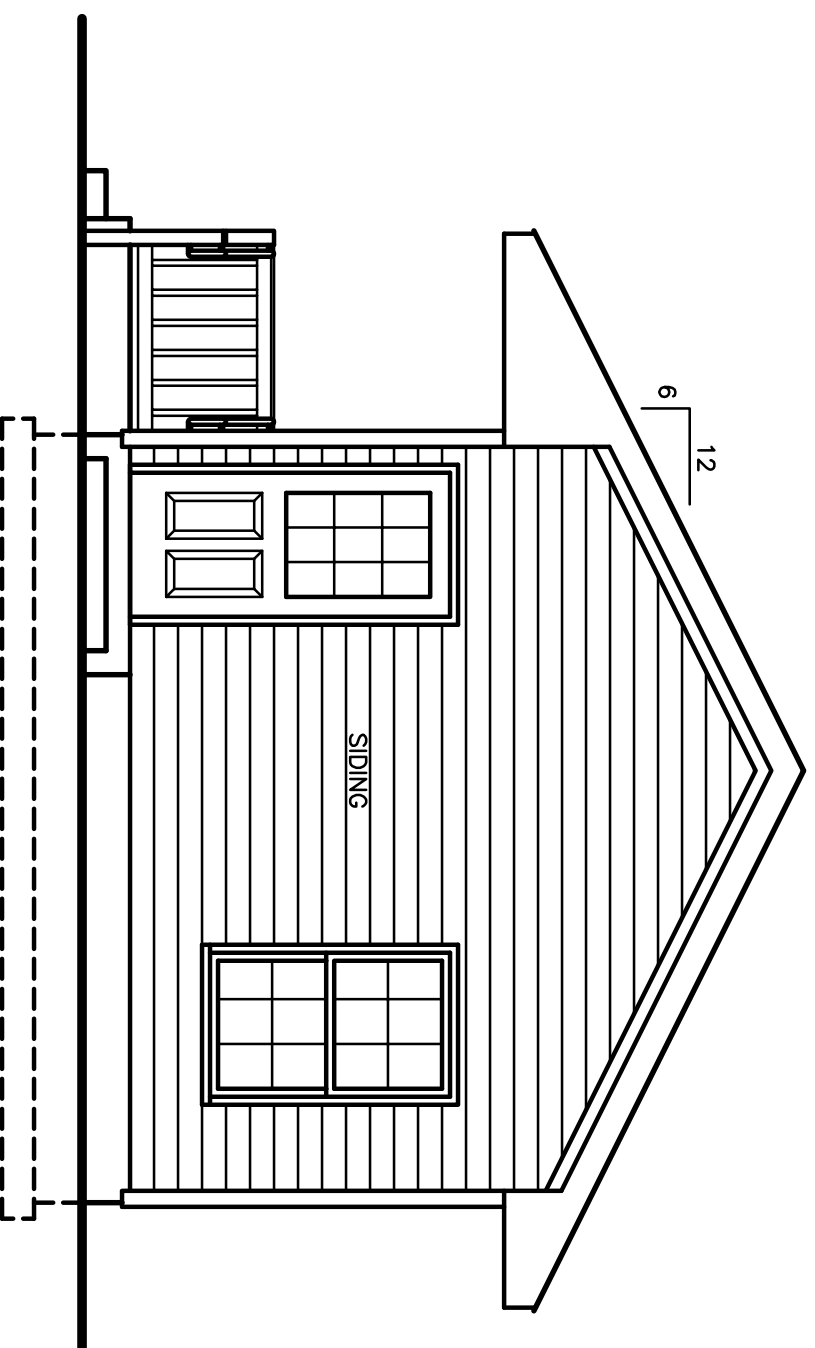
7200 SUNSET LAKE ROAD FUQUAY-VARINA, N.C. 27526 (919)552-5677

DESIGNED FOR ALLEN McNEILL

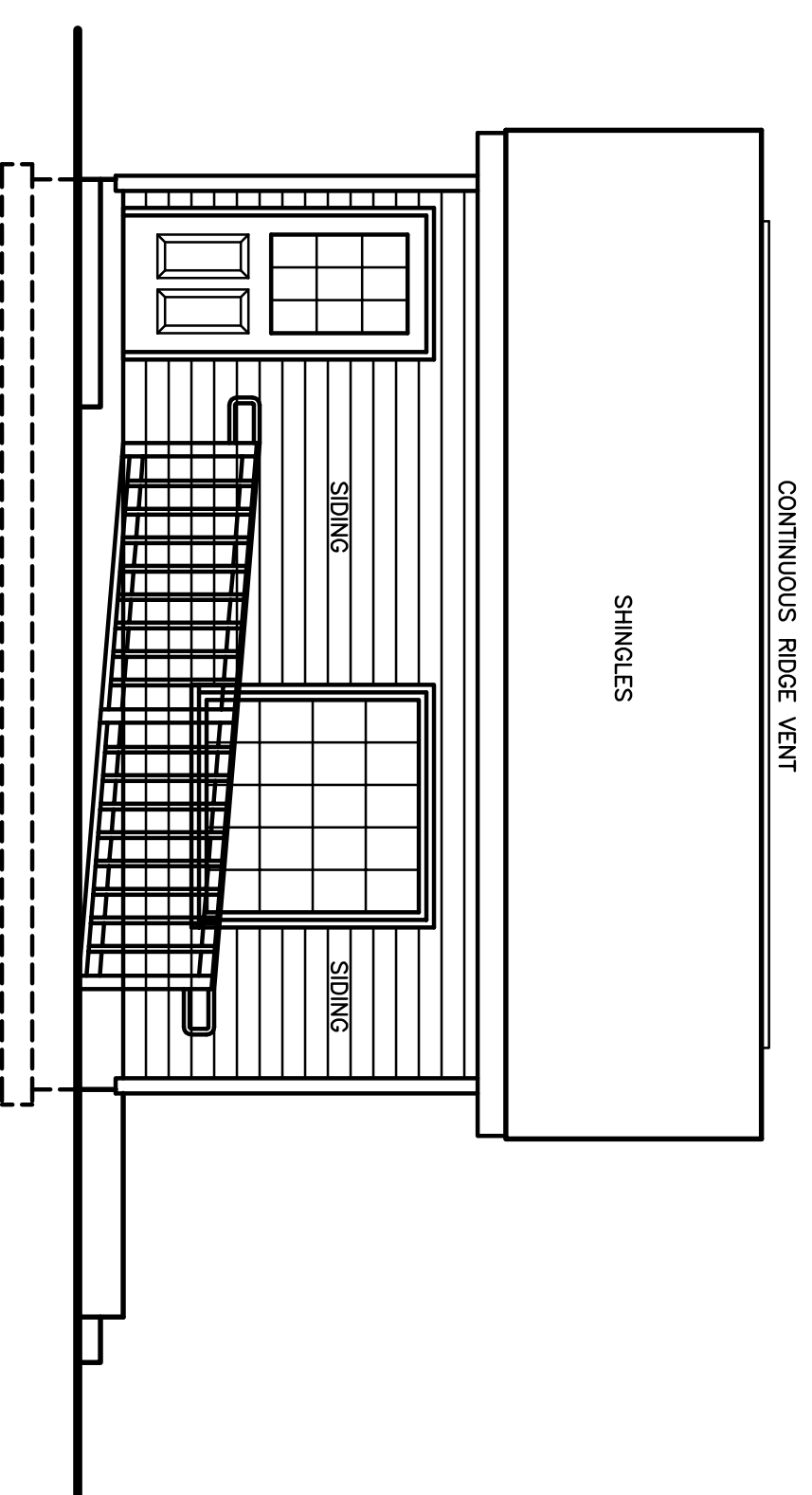
**CUSTOM** NO. **2560** MATERIAL **SID.** SHEET **2 OF 5**

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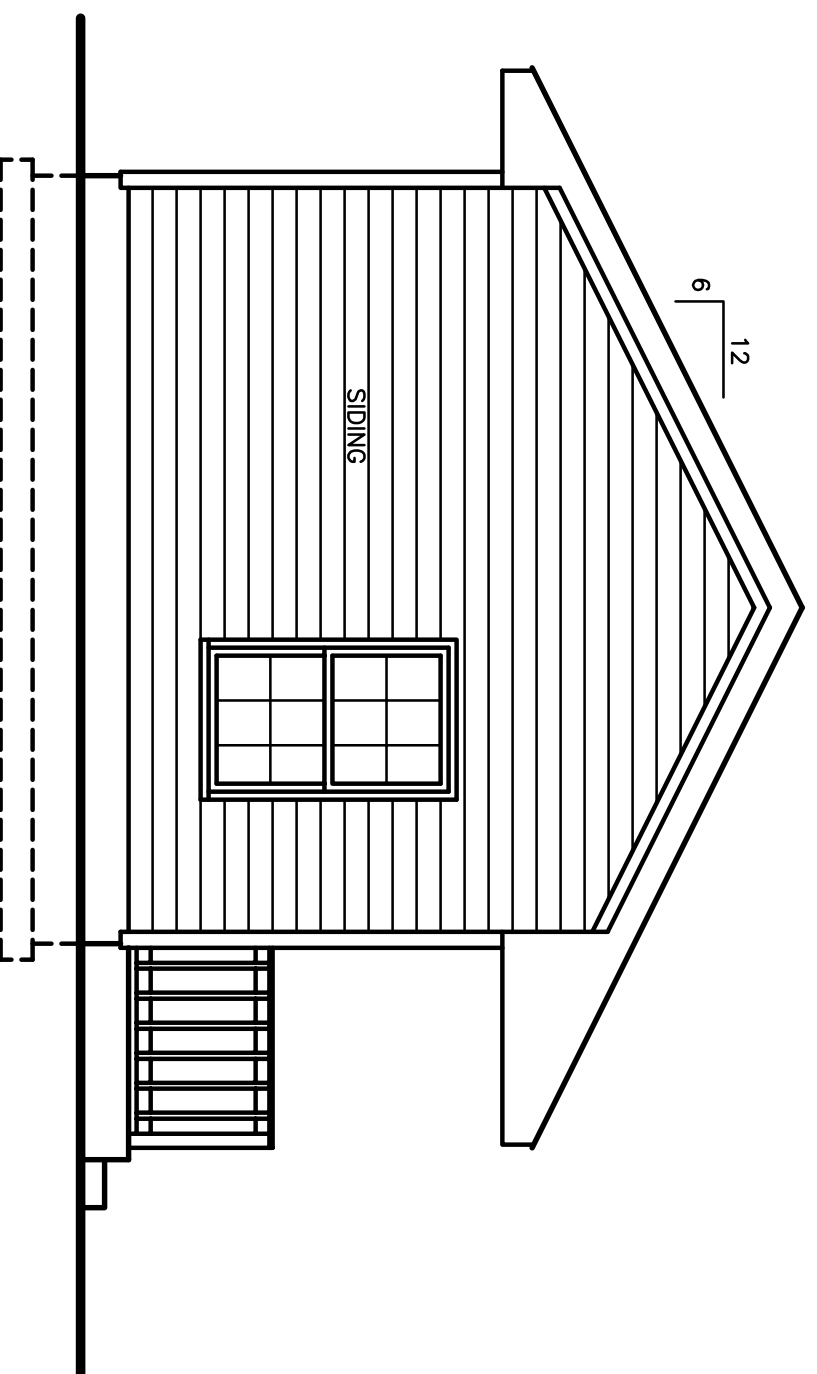
**NOTES:**  
 PROVIDE GUTTERS, DOWNSPOUTS, AND SPLASHPADS  
 ACCORDING TO LOCAL CODE AND RAINFALL CONDITIONS.  
 ALL SPLASHPADS SHALL CARRY WATER 60" FROM  
 BUILDING.



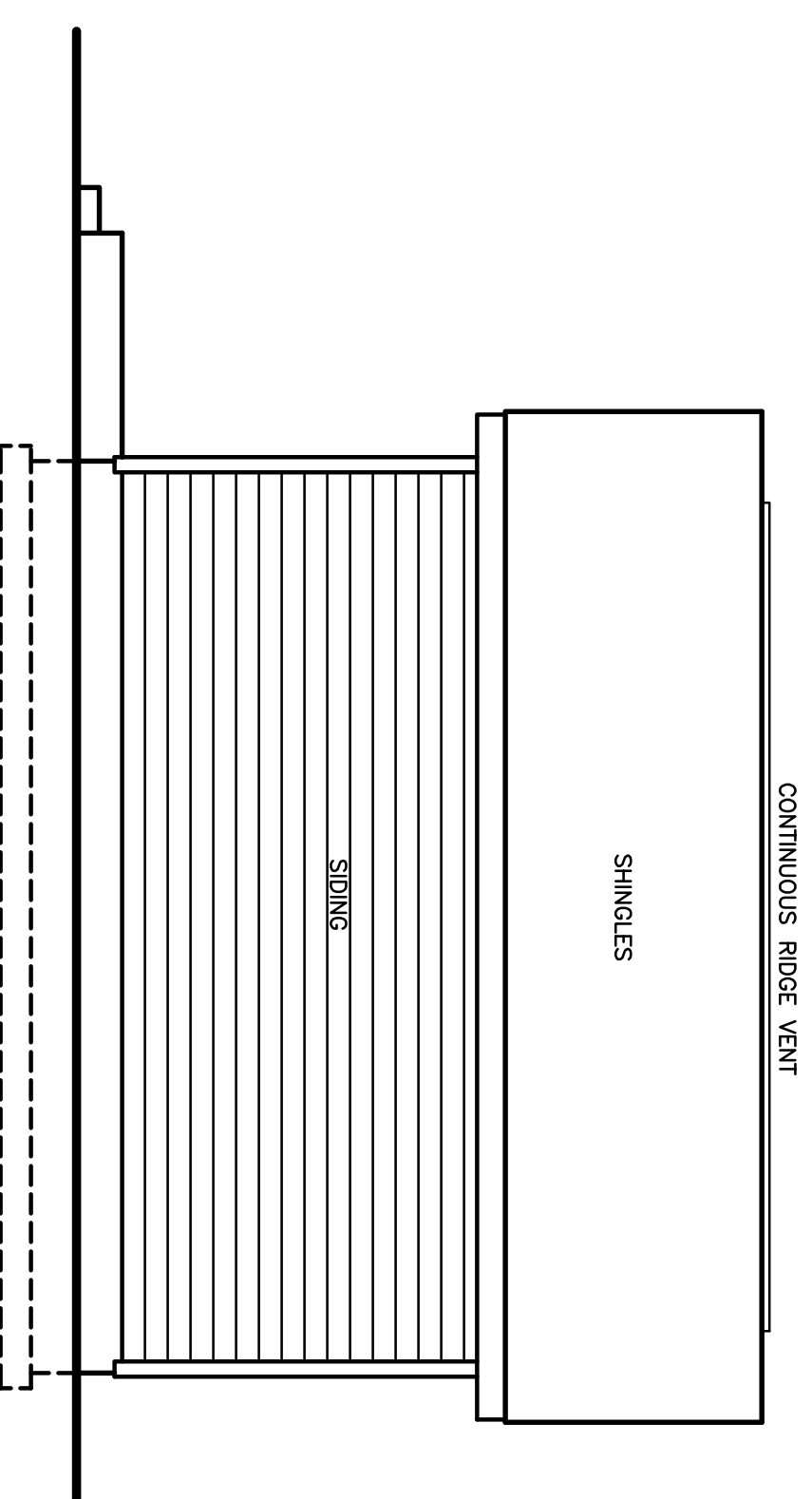
**RIGHT ELEVATION**  
 SCALE : 1/4" = 1'-0"



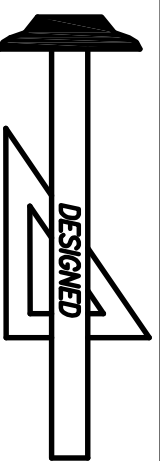
**FRONT ELEVATION**  
 SCALE : 1/4" = 1'-0"



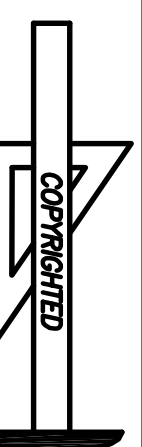
**LEFT ELEVATION**  
 SCALE : 1/4" = 1'-0"



**REAR ELEVATION**  
 SCALE : 1/4" = 1'-0"



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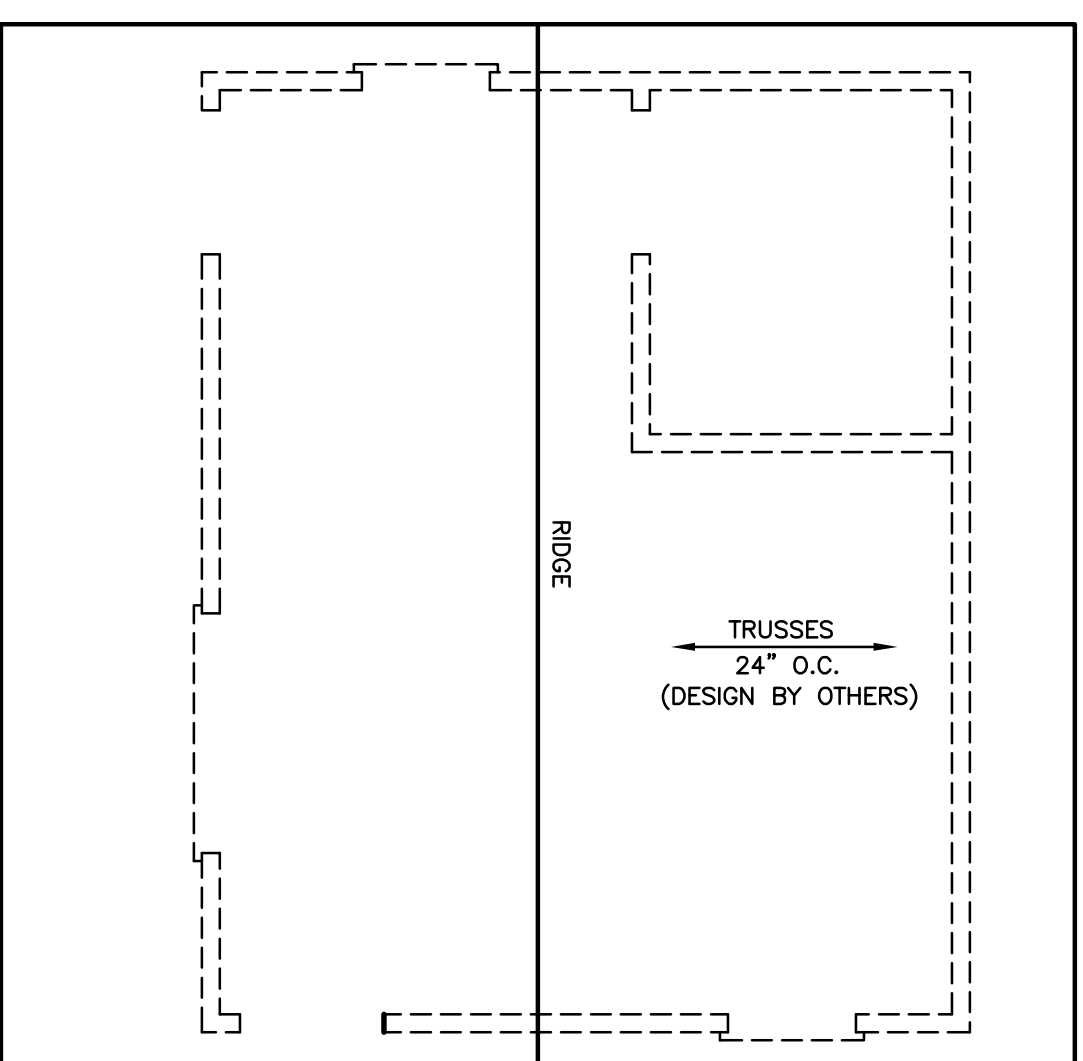
PLAN  
 CUSTOM

NO.  
 2560

MAT'L  
 SID.

SHEET  
 3 OF 5

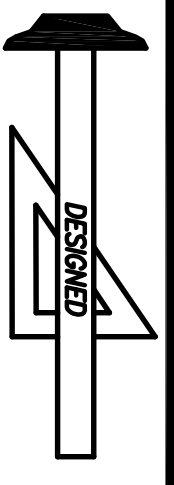
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**ROOF PLAN**  
SCALE : 1/4" = 1'-0"

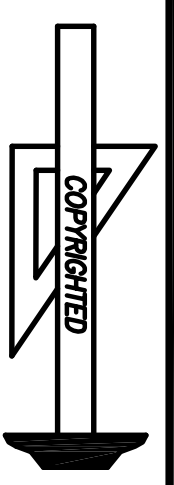
ATTIC VENTILATION REQUIREMENTS :  
320 SQ. FT. -- 150 = 213 SQ. FT. NET  
FREE AREA REQUIRED

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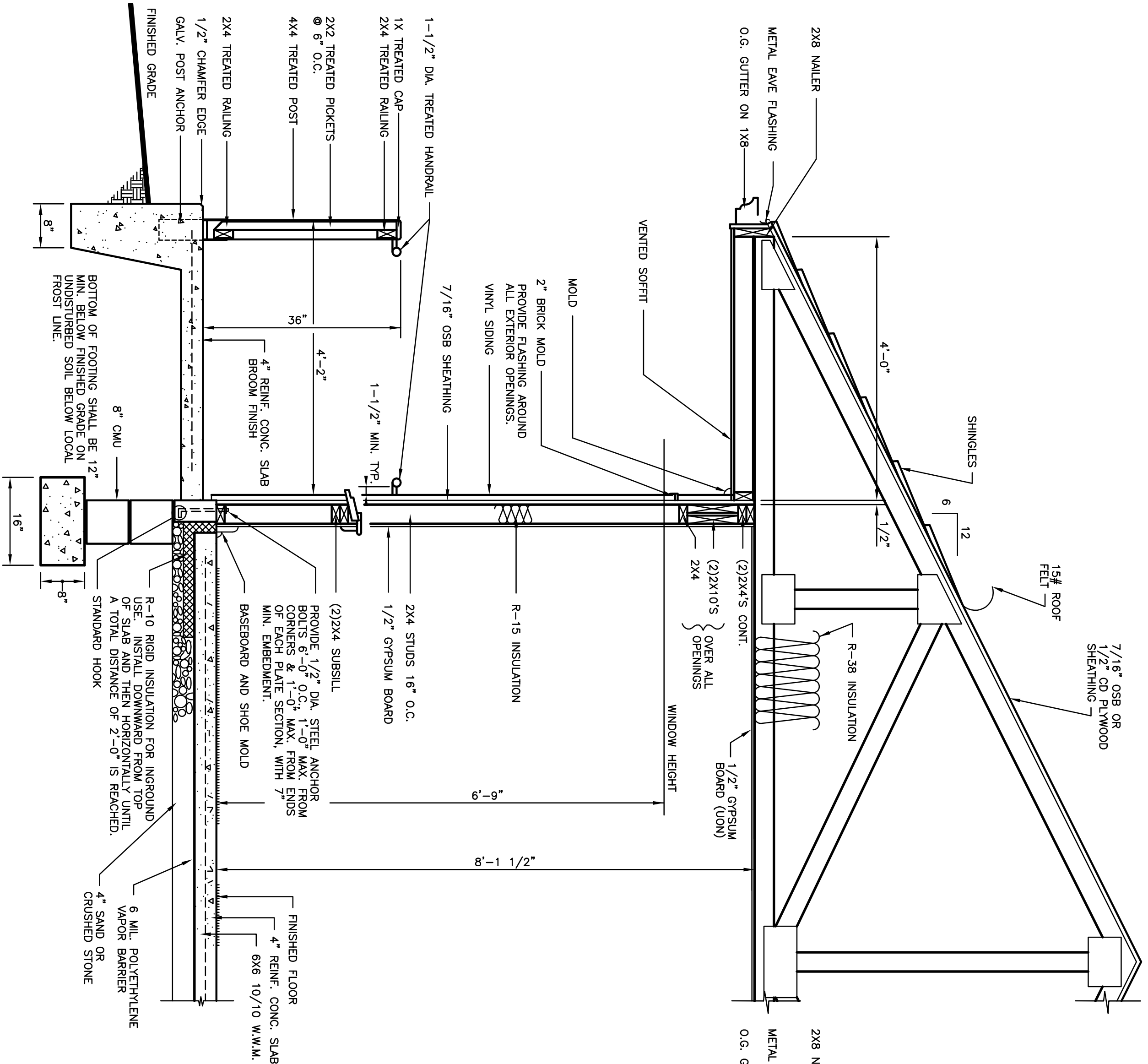


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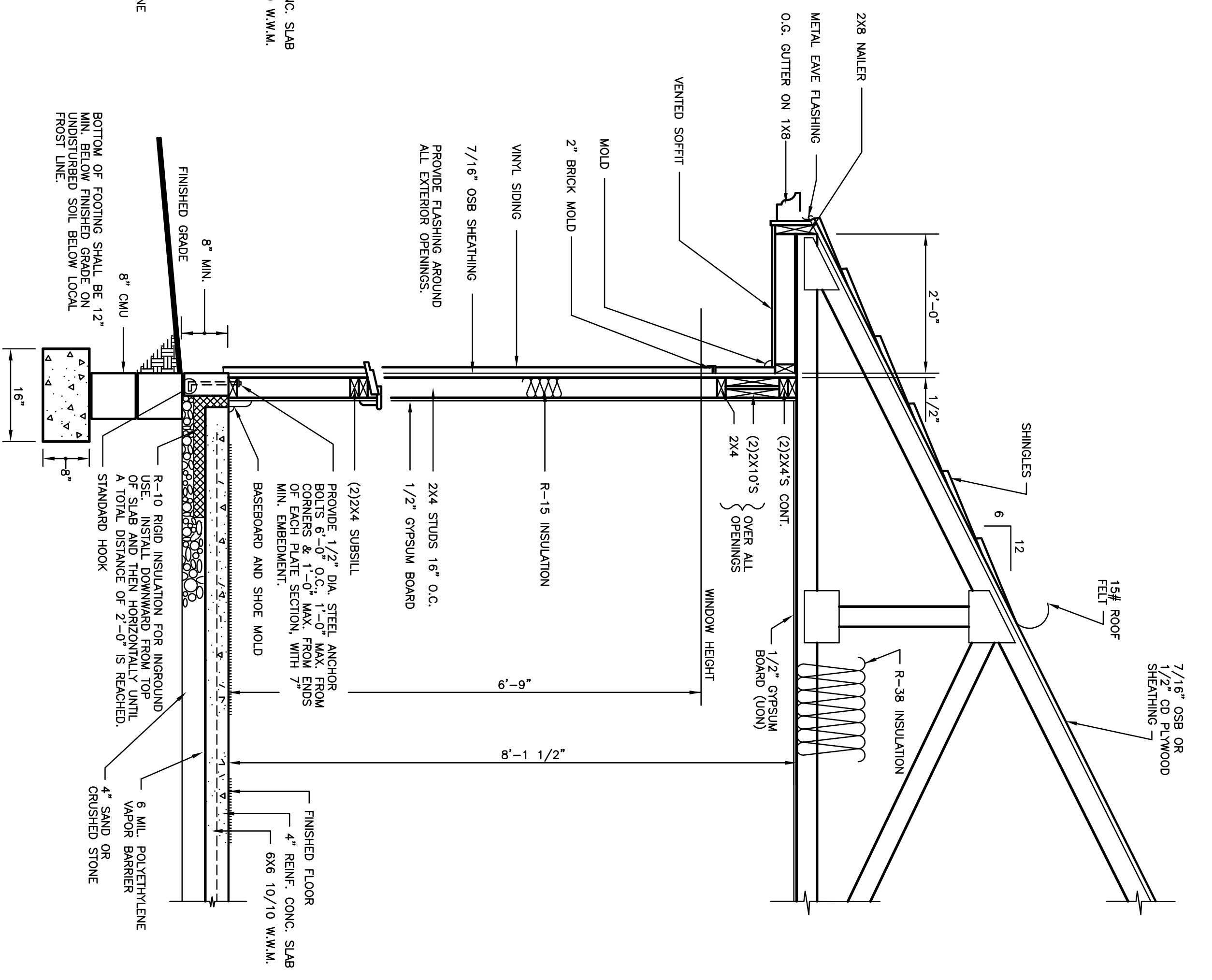


DESIGNED FOR	PLAN	NO.	MAT'L	SHEET
ALLEN McNEILL	CUSTOM	2560	SID.	4 OF 5



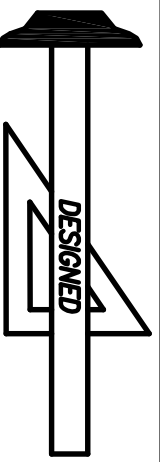
502 PORCH WALL SECTION

SCALE 3/4"=1'-0"

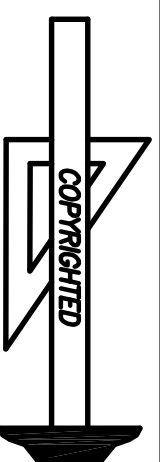


501 TYPICAL WALL SECTION

SCALE 3/4"=1'-0"



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