ELEVATION NOTES:
GRADE ELEVATIONS SHOWN DO NOT NECESSARILY REFER TO THIS OR ANY OTHER LOT. THEY ARE FOR DIAGRAMMATIC PURPOSES ONLY AND MAY VARY. BUILDER IS RESPONSIBLE FOR ADAPTING THIS PLAN TO SUIT THE EXISTING TOPOGRAPHY OF THE SITE.

ROOF VENTILATION TO BE DETERMINED BY BUILDER AS PER CODE.

ALL EGRESS OR RESCUE WINDOWS FROM SLEEPING ROOMS MUST HAVE A MIN. NET CLEAR OPENING OF 4.0 SQ FT. THE MIN NET CLEAR OPENING HEIGHT DIMENSION SHALL BE 22". THE MIN NET CLEAR OPENING WIDTH SHALL BE 20".

EACH EGRESS WINDOW FROM SLEEPING ROOMS MUST HAVE A SILL HGHT OF NO MORE THAN 44" FROM THE FLOOR. ALL WINDOW SIZES ARE NOMINAL AND ARE TO BE VERIFIED WITH MANUFACTURER FOR AVAILABILITY AND CONFORMITY TO STATE AND LOCAL CODE REQUIREMENTS.

PORCHES, BALCONIES, OR RAISED FLOOR SURFACES LOCATED MORE THAN 30" ABOVE THE FLOOR OR GRADE BELOW SHALL HAVE GUARDRAILS NOT LESS THAN 32" IN HEIGHT.

I ASSUME NO RESPONSIBILITY FOR ANY DISTANCES AFTER START OF CONSTRUCTION.
CONTRACTOR/BUILDER SHALL CONSULT WITH HOME OWNER ON ALL INTERIOR AND EXTERIOR MOLDINGS, TRIMS, COLORS, FINISHES, CABINET LAYOUTS, AND MANUFACTORS BEFORE CONSTRUCTION BEGINS.
ALL BEAMS AND FRAMING MEMBERS ARE SIZED BY OTHERS.

1.1 This plan has been drawn to comply with the 2018 NC Building Code

1.2 Minimum Design Loads for Building and Other Structures ASCE 7-9B
2 Roof Dead Load 115 PSF
3 Roof Live Load 20 PSF
4 Typical Floor Dead Load 10 PSF
5 Floor Live Loads
- 5.1 Rooms other than sleeping rooms 40 PSF
- 5.2 Sleeping Rooms 30 PSF
- 5.3 Stairs 40 PSF
- 5.4 Decks 40 PSF
- 5.5 Exterior Balconies 60 PSF

6 Wind Loads
- 6.1 Ultimate Design Wind Speeds 15 MPH
- 6.2 Wind Importance Factor, IW 1.00
- 6.3 Exposure B
- 6.4 Walls (Component and Cladding) 25 PSF
- 6.5 Roofs (Component and Cladding)
  - 6.5.1 Roof Slopes 2.25/12 to 7/12 34.8 PSF
  - 6.5.2 Roof Slopes 7/12 to 12/12 21 PSF

It is the sole responsibility of the Contractor and/or Builder to conform to all standards, provisions, requirements, methods of construction and uses of materials provided in buildings and/or structures as required by NC Uniform Building Code, Local Agencies and in accordance with good engineering practices. Verify all dimensions prior to construction.

NOTICE TO CONTRACTOR
All construction must comply with current NC Building Codes and is subject to field inspection and verification.
APPROVED
Limited building only review
Permit holder responsible for full compliance with the code
01/11/2022
Harnett COUNTY NORTH CAROLINA

FRONT ELEVATION

SCALE: 1'= 1/4"

REAR ELEVATION

SCALE: 1'= 1/4"

PAGE #: 1A

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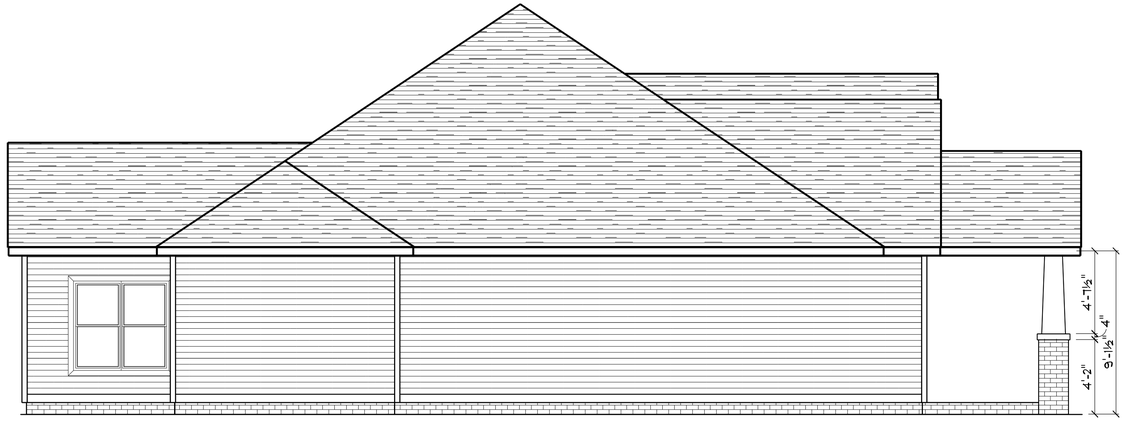
SCALE: 1'= 1/4"
DRAWN BY:
DATE: 11/1/2021

CLEAR VIEW BUILDERS LLC
PO BOX 1133
BROADWAY NC 27505

THE CAPRI
LEFT GARAGE

ELEVATIONS



LEFT ELEVATION

SCALE: 1"= 1/4"

RIGHT ELEVATION

SCALE: 1"= 1/4"

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THE CAPRI
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ELEVATIONS

SCALE: 1"= 1/4"

DRAWN BY:

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PAGE #: 2A

FOUNDATION NOTES:
ALL FOOTINGS SHALL BEAR ON ORIGINAL UNDISTURBED SOIL.
THE 28 DAY COMPRESSIVE STRENGTH OF ALL FOOTINGS IS 3000 PSI

PROVIDE WATER PROOFING AND PERIMETER DRAINS AS REQUIRED.

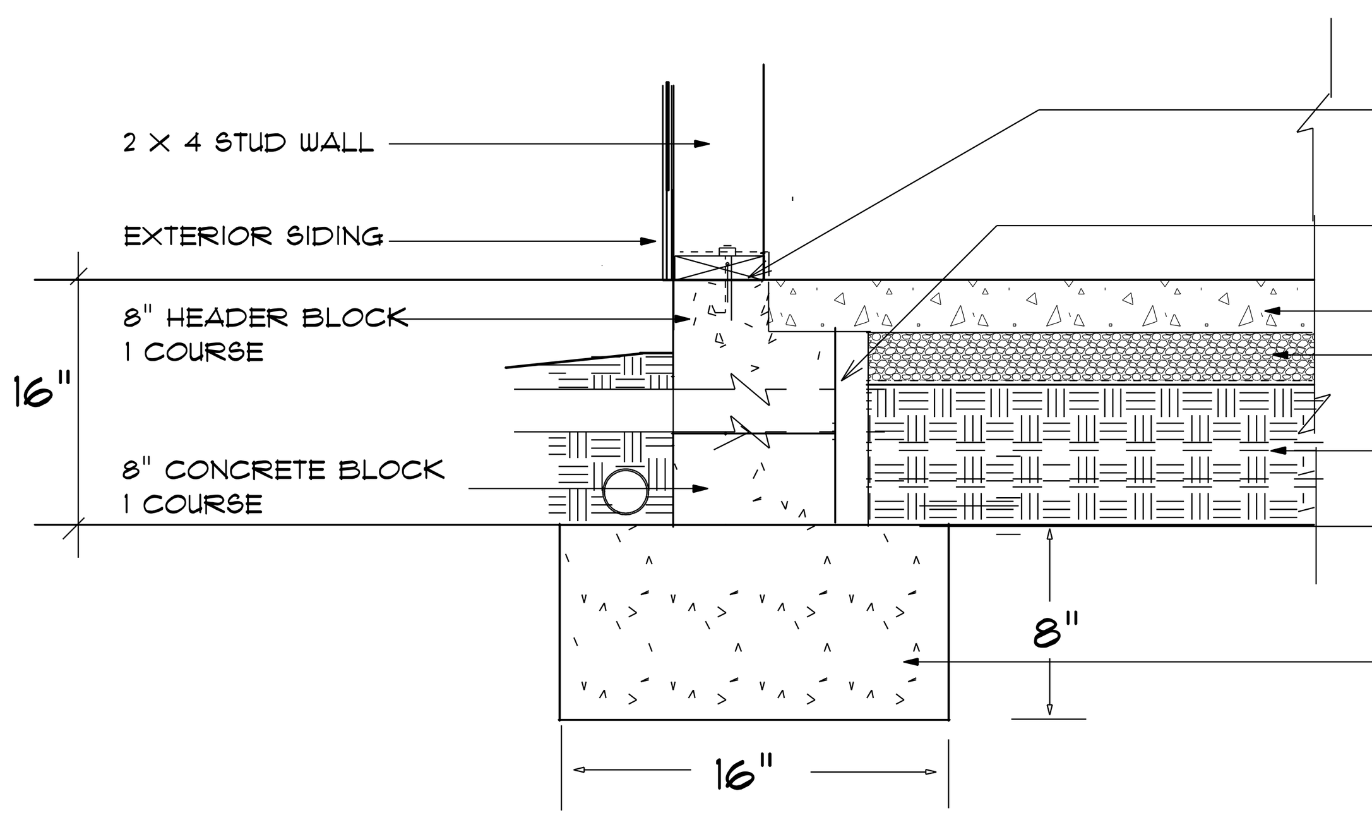
FOUNDATION CONCRETE MIX TO HAVE 1-1/2" MAX AGGREGATE SIZE. CONCRETE FILL MIX TO HAVE 1/2" MAX AGGREGATE SIZE.

FOOTING WIDTHS ARE BASED ON A LOAD-BEARING SOIL CAPACITY OF 2000 PSI.

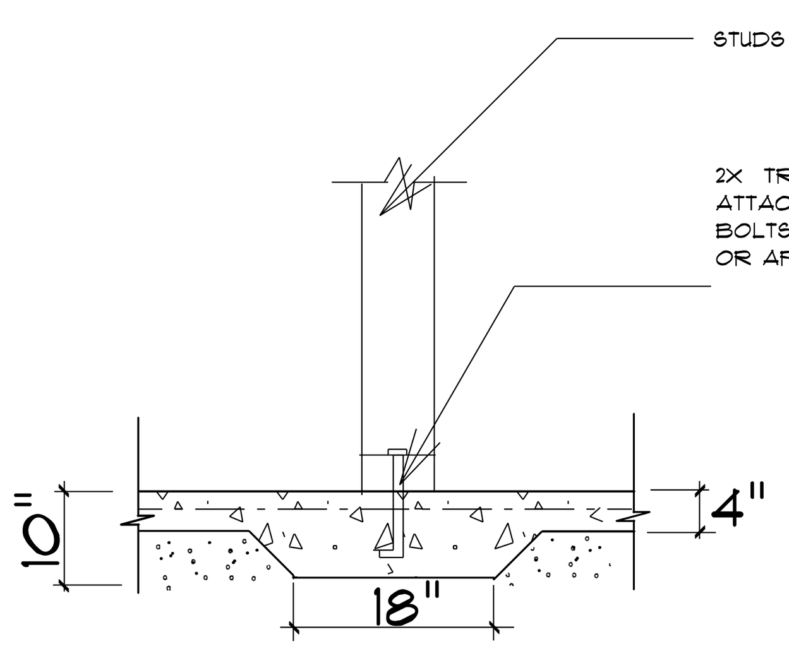
PROVIDE 6 MIL POLY VAPOR BARRIER TO COVER GROUND SURFACE IN CRAWL SPACE

ALL ANCHOR BOLTS TO BE 12" LONG, 1/2" DIA. A36 UNO ANCHOR BOLTS SHALL BE SPACE AT A MAX OF 6' OC AND NO MORE THAN 1' FROM EA CORNER.

Termite Soil Treatment: Treat entire slab area soil or crawl space surface before vapor barrier is installed and slab is poured with a state approved termiticide. Termiticide should be applied by a licensed and certified pest control professional by the state of North Carolina.

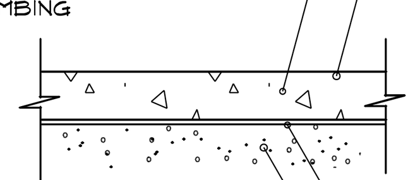


STEM WALL FOUNDATION Detail not to scale



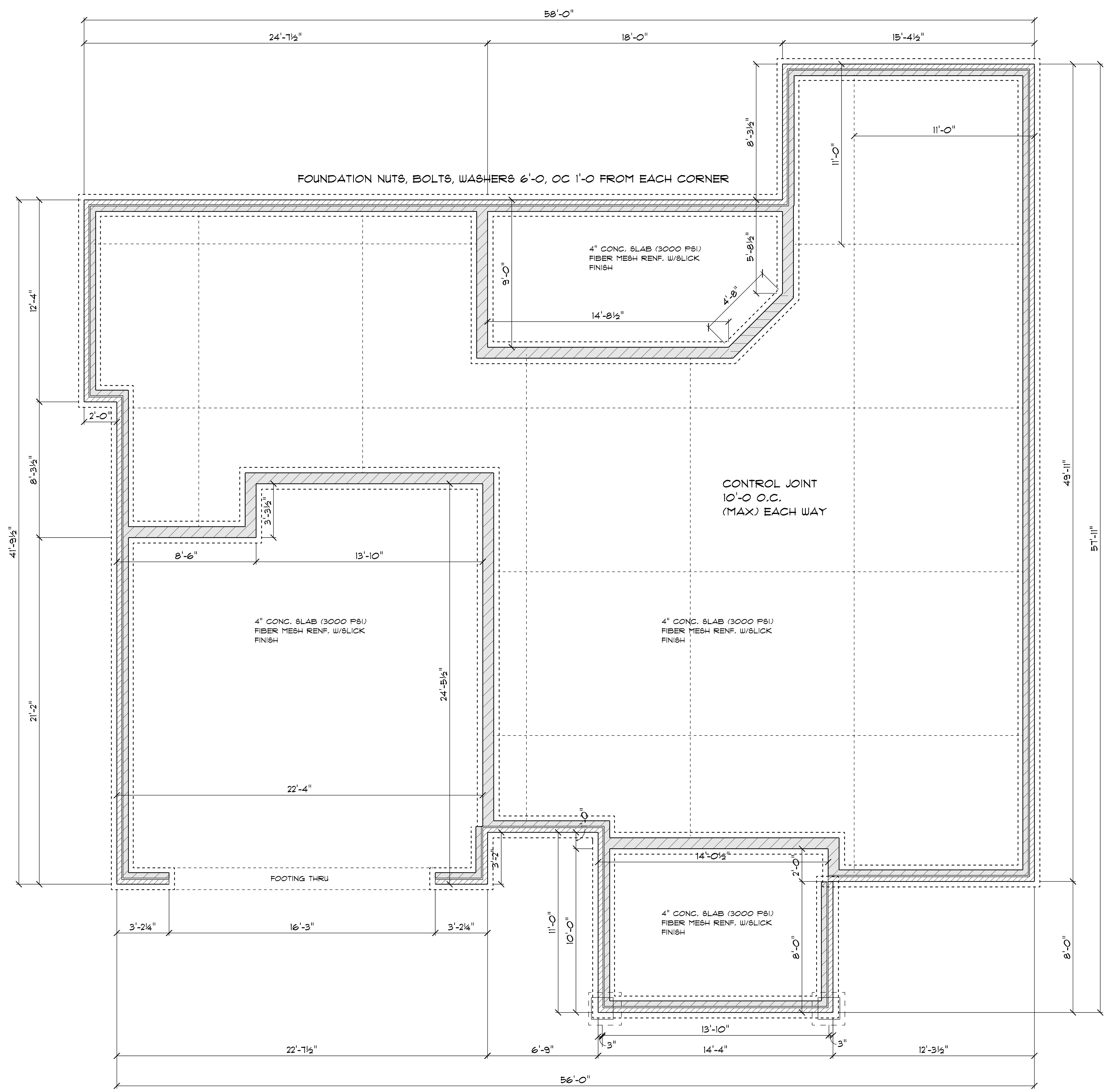
TYPICAL THICKENED SLAB

PROVIDE EXPANSION JOINTS AT THE EDGES OF SLABS THAT ARE NOT HEATED OR THAT ARE EXPECTED TO CHANGE TEMPERATURE SIGNIFICANTLY OVER THEIR LIFETIMES
ALSO PROVIDE EXPANSION JOINTS TO ISOLATE BUILDING ELEMENTS THAT PENETRATE SLABS SUCH AS STRUCTURAL COLUMNS, WALLS, OR PLUMBING



CONTROL JOINTS
PROVIDE CONTROL JOINTS TO INDUCE CRACKING AT SELECTED LOCATIONS -- TROWEL OR CUT JOINTS INTO THE SURFACE OF SLABS TO ABOUT 1/4 OF THE SLAB DEPTH AND AT 20 FT. INTERVALS -- COLD JOINTS CAN ACT AS CONTROL JTS

CONCRETE SLAB DETAILS / NOTES



FOUNDATION PLAN

SCALE: 1'= 1/4"

STEM WALL FOUNDATION PLAN

THE CAPRI
LEFT GARAGE

CLEAR VIEW BUILDERS LLC
PO BOX 133
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SCALE: 1'= 1/4"
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PAGE #: 3B

GENERAL FRAMING NOTES:

ALL LUMBER IN CONTACT WITH CONCRETE OR MASONRY SHALL BE PRESSURE TREATED

FRAMING LUMBER SHALL BE STP #2 GRADE AND/OR SPRUCE PINE FIR #1 AND/OR #2, KILN DRIED.

WHERE PRE-ENGINEERED JOISTS ARE USED, JOIST MANUFACTURER SHALL PROVIDE SHOP DRAWINGS, WHICH BEAR SEAL OF A N.C. ENGINEER.

STUDS AND JOISTS SHALL NOT BE CUT TO INSTALL PLUMBING OR WIRING WITHOUT ADDING METAL OR WOOD SIDE PANELS TO STRENGTHEN THE MEMBER TO ITS ORIGINAL CAPACITY.

NAIL MULTIPLE MEMBERS WITH 2 ROWS OF 16d NAILS STAGGERED 32" OC AN USE 3-16d NAILS 2" IN AT EACH END. DOUBLE ALL STUDS UNDER ROOF POST DOUNS UNO.

NAIL FLOOR JOISTS TO SILL PLATE WITH 8d TOE NAILS.

ALL EXPOSED FRAMING ON PORCHES AND DECKS SHALL BE PRESSURE TREATED.

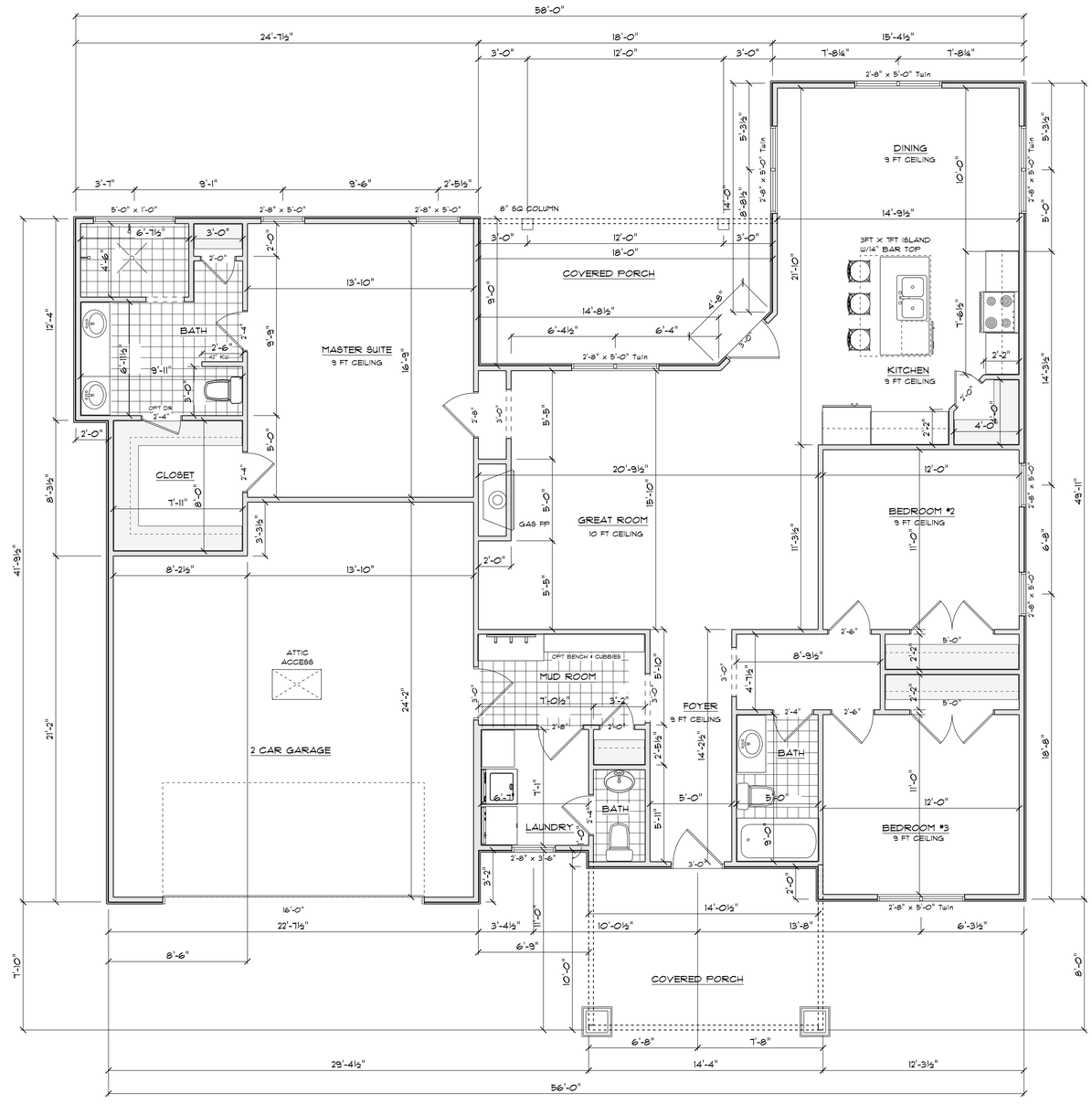
PROVIDE WATERPROOFING AND DRAINS AS REQUIRED.

ALL FRAMING TO BE 16" OC UNO. WALL FRAMING DIMENSIONS ARE BASED ON 2 X 4 STUDS UNO. DOUBLE STUDS UNDER ALL HEADERS.

LVL'S AND TJI'S TO BE SIZED BY OTHERS

EXTERIOR WALLS IN LIVING AREAS ARE 2 X 4

OPENING SCHEDULE			
SIZE	HINGE	COUNT	LIBRARY NAME
3'-0"	R	1	Exterior Door\Colonial
3'-0"	R	1	Exterior Door\French
16'-0"	U	1	Garage
2'-0"	L	2	Interior Door\Colonial
2'-0"	R	1	Interior Door\Colonial
2'-4"	L	3	Interior Door\Colonial
2'-4"	R	2	Interior Door\Colonial
2'-6"	L	1	Interior Door\Colonial
2'-6"	R	1	Interior Door\Colonial
2'-8"	L	2	Interior Door\Colonial
5'-0"	LR	2	Interior Door\Colonial
3'-0"	R	1	Manufacturer\Therma-Tru\American Style Collection
2'-8" x 3'-6"	U	1	Window\Single Hung
2'-8" x 5'-0"	U	4	Window\Single Hung
2'-8" x 5'-0" Twin	UU	5	Window\Single Hung
5'-0" x 1'-0"	N	1	Window\Transom



FLOOR PLAN

SCALE: 1'= 1/4"

AREA SCHEDULE	
NAME	AREA
Heated	1785.1 sq ft.
Garage	521.0 sq ft.
Rear Covered Porch	154.1 sq ft.
Front Covered Porch	138.7 sq ft.

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SCALE: 1'= 1/4"

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DATE: 11/1/2021

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THE CAPRI
LEFT GARAGE

FLOOR PLAN

4

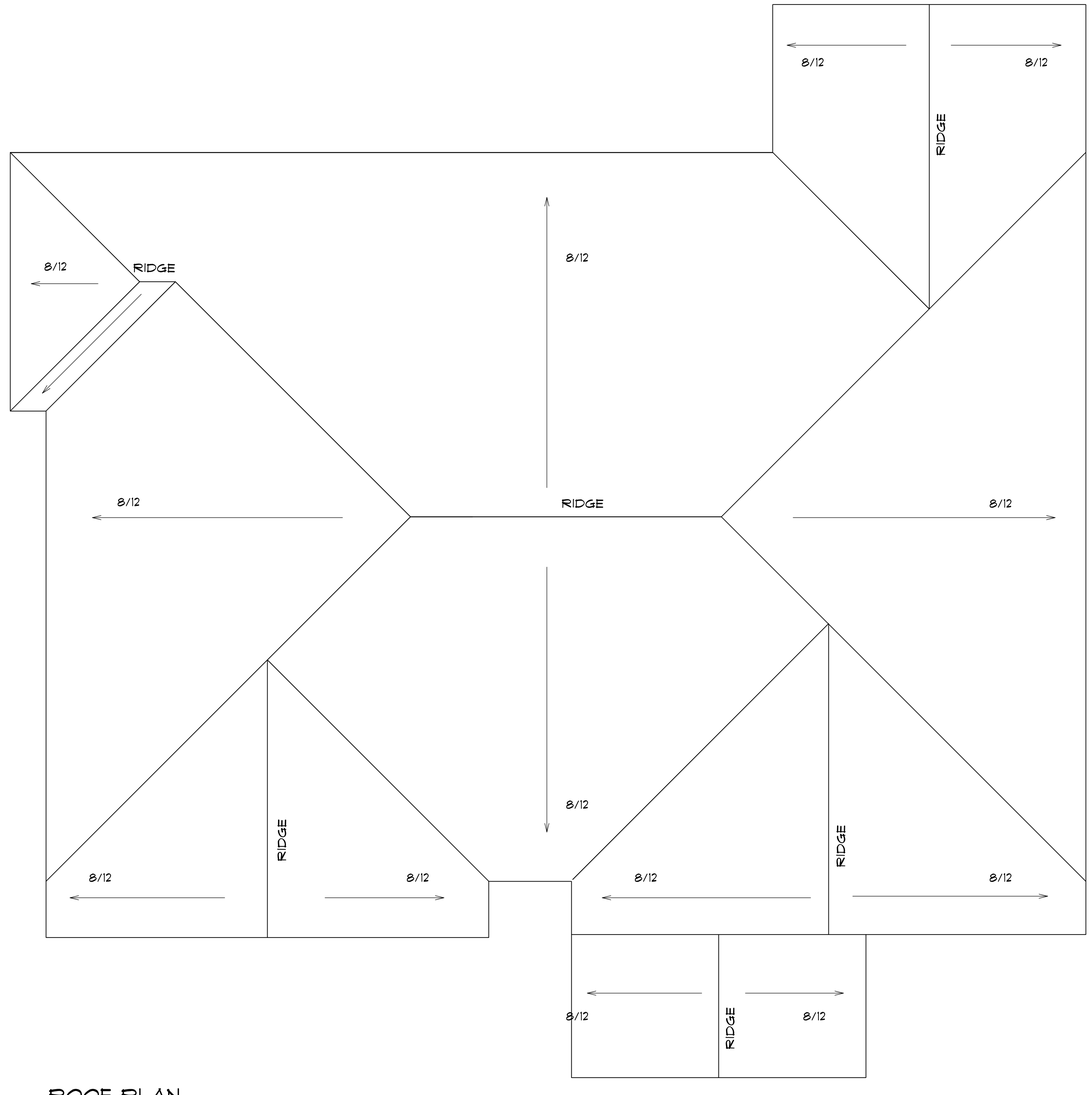
ROOF NOTES:

TRUSSES, BRACINGS, BRIDGING AND CONNECTORS ARE TO BE DESIGNED BY THE TRUSS MANUFACTURER.

IDENTIFY LUMBER BY OFFICIAL GRADE MARKINGS.

DO NOT CUT OR REMOVE CHORDS OR OTHER TRUSS MEMBERS. DO NOT NOTCH OR DRILL TRUSS MEMBERS.

WHERE PRE-ENGINEERED ROOF TRUSSES ARE USED, TRUSS MANUFACTURER SHALL PROVIDE SHOP DRAWINGS, WHICH BEAR SEAL OF A N. C. REGISTERED ENGINEER.



ROOF PLAN

SCALE: 1"= 1/4"

12" OVER HANG ALL

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THE CAPRI
LEFT GARAGE

ROOF
LAYOUT

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SCALE: 1"= 1/4"

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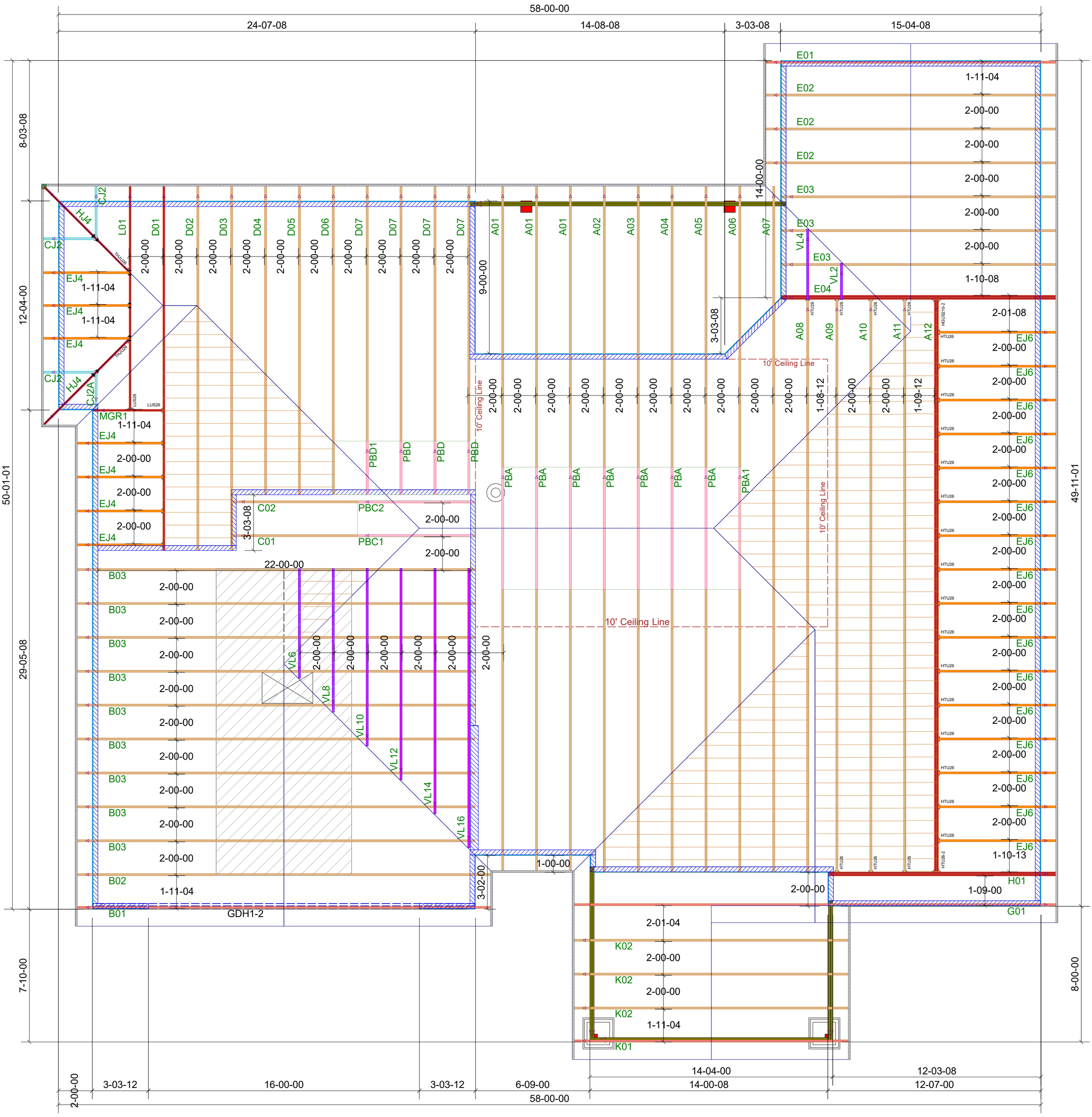


Products					
PlotID	Length	Product	Plies	Net Qty	Fab Type
GDH1-2	24-00-00	2.0 RigidLam DF LVL 1-3/4 x 11-7/8	2	2	FF

Truss Connector Total List		
Manuf	Product	Qty
Simpson	HGUS210-2	1
Simpson	HTU26	23
Simpson	HTU26-2	1
Simpson	LUS26	2
Simpson	THJU26	2

ROOF LAYOUT
DRAWING SCALE : NTS

PROJECT NUMBER
21120016
SHEET NUMBER
1 / 1

REVISIONS	
DATE	BY
12.7.21	JLB

CLEARVIEW BUILDERS

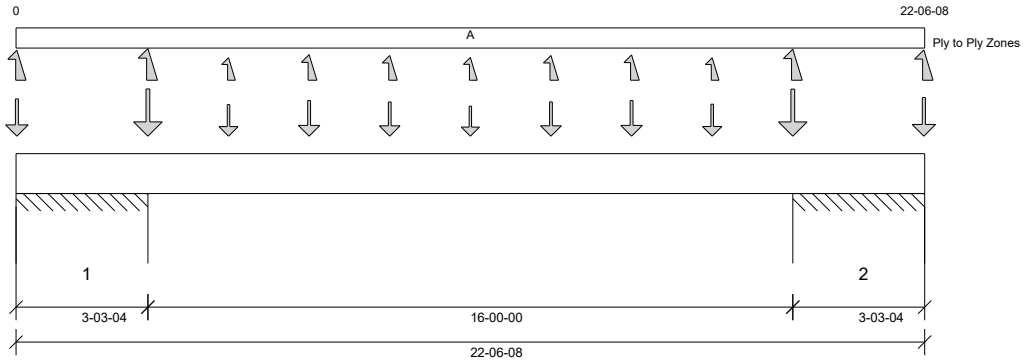
Lot A - Capri - Rosser Pittman Rd.

ROOF TRUSS PLACEMENT PLAN

Kempsville Building Materials
A Division of the Carter Lumber Company

MiTek	Customer: **[Building Permit Number]** Street 1: City: Customer P...	Job Name: **A** Level: **Roof** Label: **GDH1-2 - i26** Type: **Beam**	**2 Ply Member** **2.0 RigidLam DF LVL 1-3/4 x 11-7/8**	Status: **Design Passed**

Illustration Not to Scale. Pitch: 0/12 | Designed by Single Member Design Engine in MiTek® Structure Version 8.5.0.207.Update6.26 | Report Version: 2020.10.28 12/21/2021 09:38



DESIGN INFORMATION

Building Code:	IRC 2018
Design Methodology:	ASD
Risk Category:	II (General Construction) Residential
Service Condition:	Dry
LL Deflection Limit:	L/360, 0.75" (absolute)
TL Deflection Limit:	L/240, 1.00" (absolute)

Lateral Restraint Requirements:

Both ends of the member and the outer supports must be laterally restrained. Top and bottom edges of the member must be fully restrained or have the following maximum unbraced length:

Top: 22'- 6 1/2" Bottom: 0'

Bearing Stress of Support Material:

- 725 psi Wall @ 0'- 1 1/2"
- 725 psi Wall @ 3'- 1 3/4"
- 725 psi Wall @ 19'- 4 3/4"
- 725 psi Wall @ 22'- 5"

ANALYSIS RESULTS

Design Criteria	Location	Load Combination	LDF	Design	Limit	Result
Max Pos. Moment:	11'- 3 1/4"	D + Lr	1.15	1287 lb ft	24470 lb ft	Passed - 5%
Max Neg. Moment:	19'- 4 3/4"	D + Lr	1.15	1866 lb ft	24470 lb ft	Passed - 8%
Max Shear:	18'- 3 3/8"	D + Lr	1.15	668 lb	9241 lb	Passed - 7%
Live Load (LL) Neg. Defl.:	11'- 3 1/8"	0.6W		0.024"	L/360	Passed - L/999
Total Load (TL) Pos. Defl.:	11'- 3 1/4"	D + Lr		0.045"	L/240	Passed - L/999

SUPPORT AND REACTION INFORMATION

ID	Input Bearing Length	Controlling Load Combination	LDF	Downward Reaction	Uplift Reaction	Resistance of Member	Resistance of Support	Result
1	9-12	0.6D + 0.6W	1.60	34 lb		35609 lb	24741 lb	Passed - 0%
1	9-12	D + Lr	1.15		-517 lb	-	-	
1	1-06-00	D + 0.75(L + Lr + 0.6W)	1.60	1590 lb		47250 lb	45675 lb	Passed - 3%
1	1-06-00	0.6D + 0.6W	1.60		-335 lb	-	-	
2	1-06-00	D + Lr	1.15	1585 lb		47250 lb	45675 lb	Passed - 3%
2	1-06-00	0.6D + 0.6W	1.60		-323 lb	-	-	
2	8-00	0.6D + 0.6W	1.60	31 lb		29217 lb	20300 lb	Passed - 0%
2	8-00	D + Lr	1.15		-399 lb	-	-	

LOADING

Type	Start Loc	End Loc	Source	Face	Dead (D)	Live (L)	Snow (S)	Roof Live (Lr)	Wind (W)
Self Weight	0'	22'- 6 1/2"	Self Weight	Top	11 lb/ft	-	-	-	-
Point	0'- 1/4"	0'- 1/4"	R1001(c01)	Top	79 lb	-	74 lb	106 lb	49/-216 lb
Point	3'- 3 1/4"	3'- 3 1/4"	R1001(c01)	Top	131 lb	-	92 lb	147 lb	64/-237 lb
Point	5'- 3 1/4"	5'- 3 1/4"	R1001(c01)	Top	61 lb	-	45 lb	99 lb	31/-121 lb
Point	7'- 3 1/4"	7'- 3 1/4"	R1001(c01)	Top	85 lb	-	61 lb	99 lb	42/-160 lb
Point	9'- 3 1/4"	9'- 3 1/4"	R1001(c01)	Top	79 lb	-	56 lb	92 lb	42/-149 lb
Point	11'- 3 1/4"	11'- 3 1/4"	R1001(c01)	Top	73 lb	-	47 lb	76 lb	20/-124 lb
Point	13'- 3 1/4"	13'- 3 1/4"	R1001(c01)	Top	79 lb	-	56 lb	92 lb	43/-149 lb
Point	15'- 3 1/4"	15'- 3 1/4"	R1001(c01)	Top	85 lb	-	60 lb	99 lb	43/-156 lb
Point	17'- 3 1/4"	17'- 3 1/4"	R1001(c01)	Top	62 lb	-	46 lb	100 lb	33/-120 lb
Point	19'- 3 1/4"	19'- 3 1/4"	R1001(c01)	Top	130 lb	-	90 lb	147 lb	65/-229 lb
Point	22'- 6 1/4"	22'- 6 1/4"	R1001(c01)	Top	82 lb	-	78 lb	112 lb	54/-220 lb

UNFACTORED REACTIONS

ID	Start Loc	End Loc	Source	Dead (D)	Live (L)	Snow (S)	Roof Live (Lr)	Wind (W)
1	0'	3'- 3 1/4"	E16(i10)	809/-214 lb	-	445/-93 lb	879/-297 lb	365 lb/ -1096 lb
==>	0'- 1 1/2"	0'- 1 1/2"	E16(i10)	-214 lb	-	-93 lb	111/-292 lb	-
==>	3'- 1 3/4"	3'- 1 3/4"	E16(i10)	809 lb	-	445 lb	768/-5 lb	-
2	19'- 3 1/4"	22'- 6 1/2"	E14(i9)	813/-215 lb	-	446/-93 lb	881/-293 lb	365 lb/ -1096 lb
==>	19'- 4 3/4"	19'- 4 3/4"	E14(i9)	813 lb	-	446 lb	769 lb	-
==>	22'- 5"	22'- 5"	E14(i9)	-215 lb	-	-93 lb	112/-293 lb	-

DESIGN NOTES

- The dead loads used in the design of this member were applied to the structure as projected dead loads.
- Analysis and Design has been performed using precision loading from actual modeled conditions. Some loads may have been modified to simplify reporting.
- Tributary Loads have been generated based on actual spacing between members in the model which may differ from the default system spacing. The actual loads applied to the member are shown in the Specified Loads table.
- Transfer reactions may differ from design results as allowed per building codes and standard load distribution practices.
- This report is based on modeled conditions input by the user. Source information for the loads and supports are provided for reference only. Verify that all loads and support conditions are correct.
- Review all loads and reactions to ensure that the member/bearing/connector/structure can resist adequately. Unless already specified on this report, anchorage for uplift reactions to be specified by others. Installation of member and accessories (if required) as per manufacturer's instruction.

MiTek	Customer: [Building Permit Number] Street 1: City: Customer P...	Job Name: A Level: Roof Label: GDH1-2 - i26 Type: Beam	2 Ply Member 2.0 RigidLam DF LVL 1-3/4 x 11-7/8	Status: Design Passed

PLY TO PLY CONNECTION

- Zone A: Factored load = 0 plf. Use 12d (0.131"x3.25") nails. LDF = 1.00. Qty = 46. Row = 2, Spacing = 12"
  12d (0.131"x3.25") nails properties: D = 0.131" , L = 3.25". Fastener capacity = 96 lbs. X1 = 2" , Y1 = 0.75", Y2 = 1.5"
  Install fasteners from one face.
  X1 = Minimum end distance, X2 = Minimum edge distance, Y2 = Minimum row spacing.

FASTENER INSTALLATION – 2 ROWS (FROM ONE FACE)