



FENESTRATION CALCULATIONS

Floor	Height Of Ext. Wall	Area Of Ext. Wall
1st	9'	2445 sq. ft.
2nd	8'	393 sq. ft.
other		

Total Fenestration	Total Exterior Walls	Percentage of wall openings
321 sq ft	2838	16%

Above Grade Walls Surrounding Heated Space

AREA SCHEDULE	
NAME	AREA
Heated Floor Area	1663 sq ft.
Garage	597.0 sq ft.
Covered Porch	271.3 sq ft.
Treated Deck	232.4 sq ft.
2nd Floor Heated Floor Area	682 sq ft.



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 EQ 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 LIGHT 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.

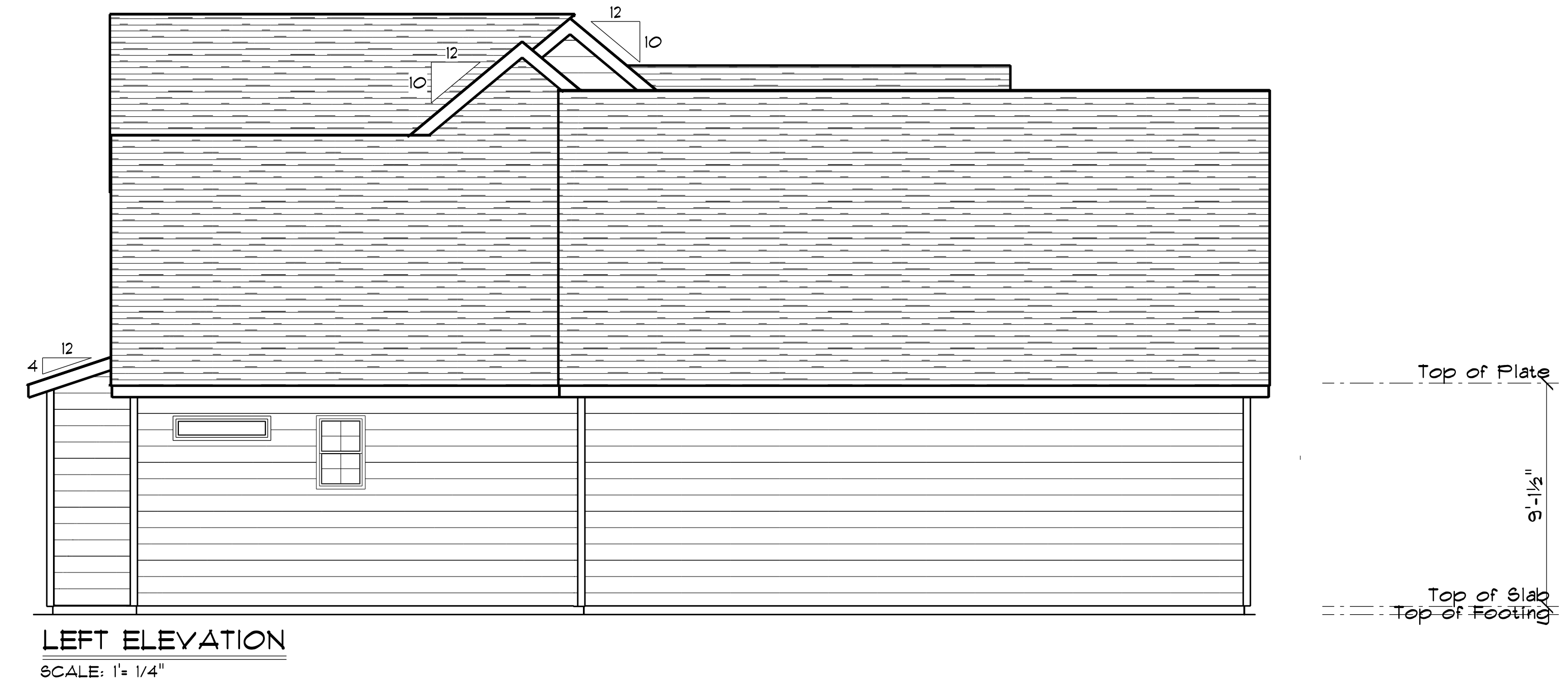
PORCHES, BALCONIES, OR RAISED FLOOR SURFACES LOCATED MORE THAN 30" ABOVE THE FLOOR OR GRADE BELOW SHALL HAVE GUARDRAILS NOT LESS THAN 32" IN HEIGHT.

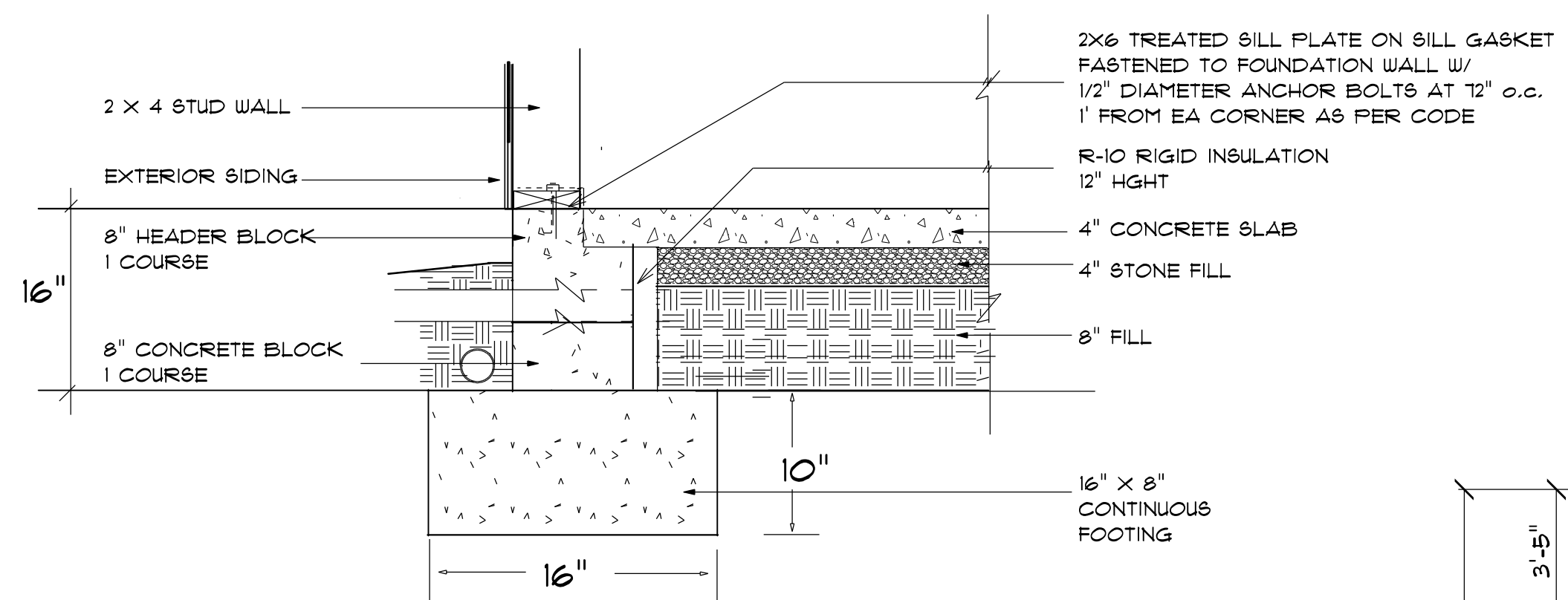
I ASSUME NO RESPONSIBILITY FOR ANY DISTANCES AFTER START OF CONSTRUCTION. CONTRACTOR/BUILDER SHALL CONSULT WITH HOME OWNER ON ALL INTERIOR AND EXTERIOR MOLDINGS, TRIMS, COLORS, FINISHES, CABINET LAYOUTS, AND MANUFACTURERS BEFORE CONSTRUCTION BEGINS. ALL BEAMS AND FRAMING MEMBERS ARE SIZED BY OTHERS.

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

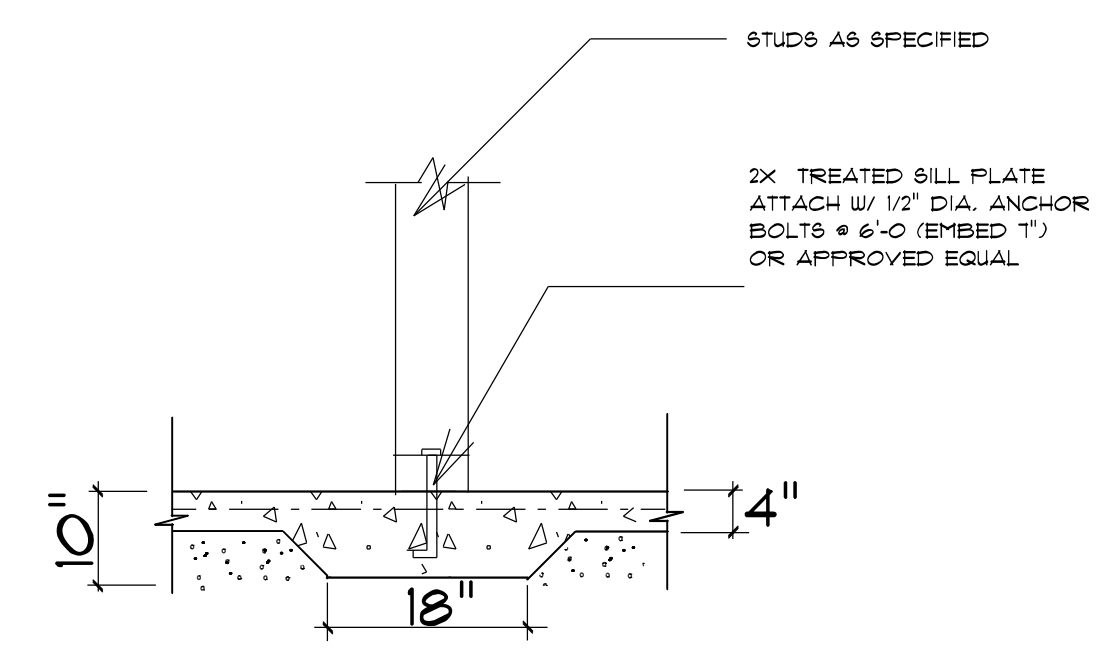
- 1.2 Minimum Design Loads for Building and Other Structures ASCE 7-98
- 2 Roof Dead Load 115 P&F
 - 3 Roof Live Load 20 P&F
 - 4 Typical Floor Dead Load 10 P&F
 - 5 Floor Live Loads
 - 5.1 Rooms other than sleeping rooms 40 P&F
 - 5.2 Sleeping Rooms 30 P&F
 - 5.3 Stairs 40 P&F
 - 5.4 Decks 40 P&F
 - 5.5 Exterior Balconies 60 P&F
 - 6 Wind Loads
 - 6.1 Ultimate Design Wind Speeds 15 MPH
 - 6.2 Wind Importance Factor, I_w 1.00
 - 6.3 Exposure B
 - 6.4 Walls (Component and Cladding) 25 P&F
 - 6.5 Roofs (Component and Cladding)
 - 6.5.1 Roof Slopes 2.25/12 to 1/12 34.8 P&F
 - 6.5.2 Roof Slopes 1/12 to 12/12 21 P&F

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.

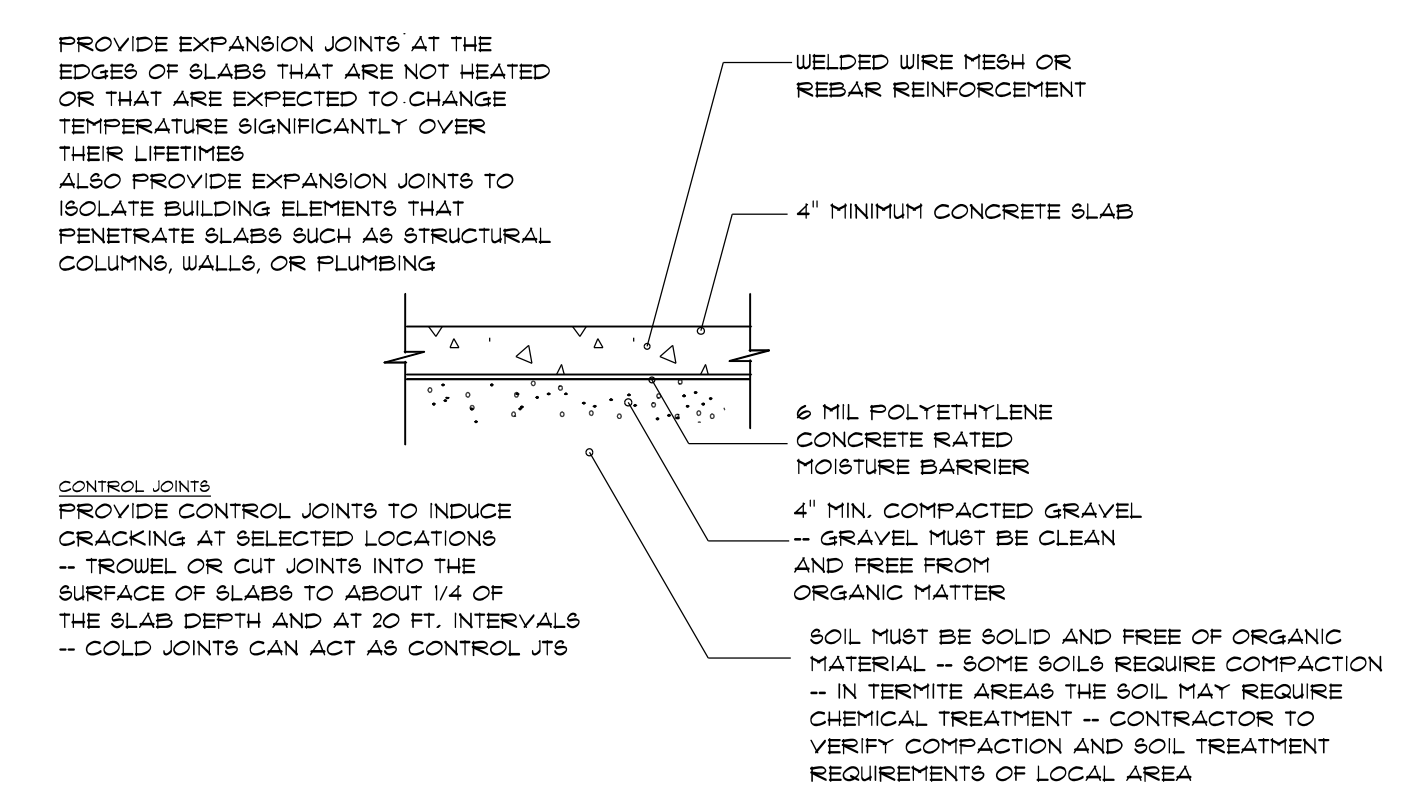




STEM WALL FOUNDATION Detail
not to scale



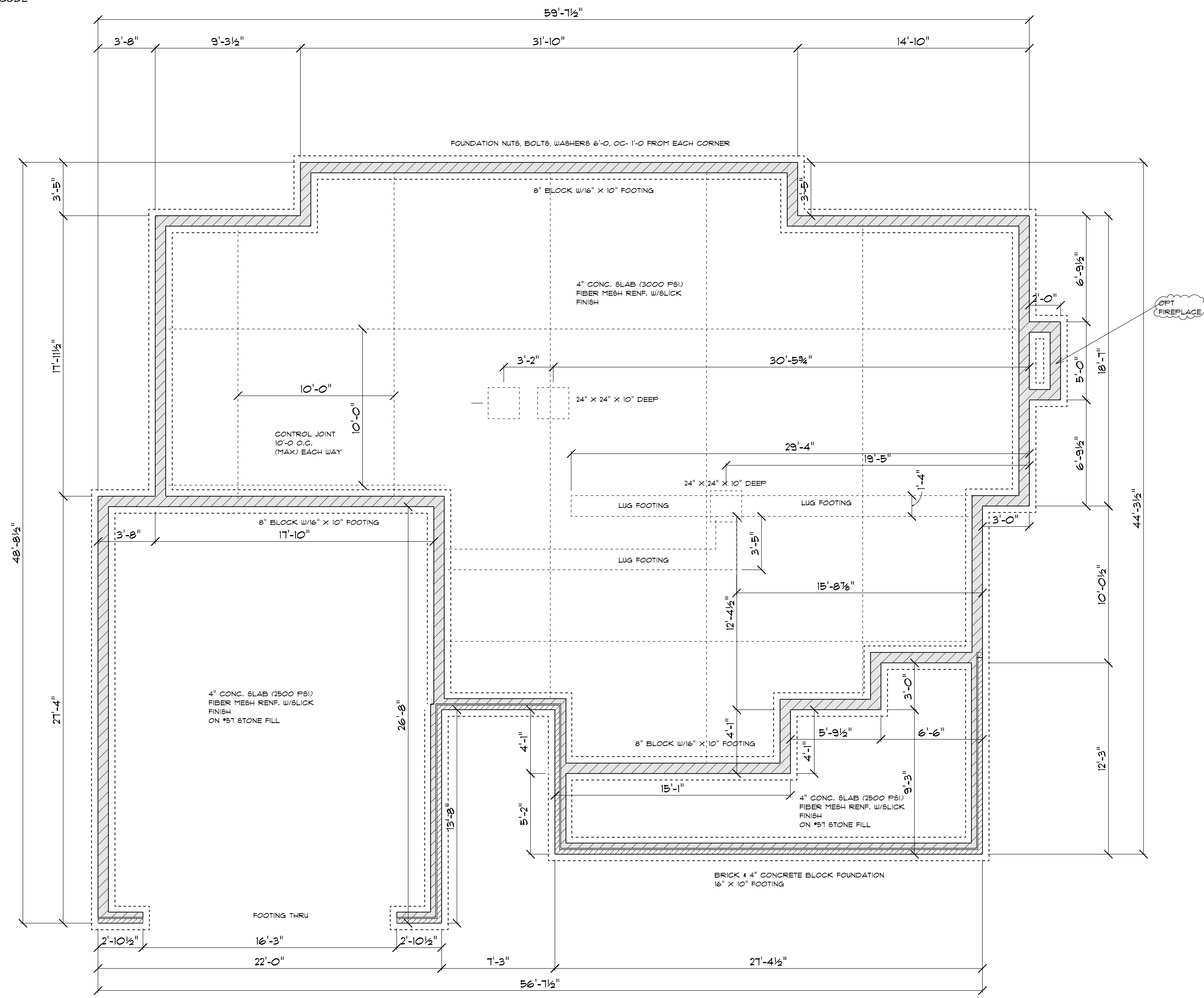
TYPICAL THICKENED SLAB
not to scale



CONCRETE SLAB DETAILS / NOTES
not to scale

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 1/2" MAX AGGREGATE SIZE. CONCRETE FILL MIX TO HAVE 1/2" MAX AGGREGATE SIZE.
FOOTING WIDTHS ARE BASED ON A LOAD-BEARING SOIL CAPACITY OF 3000 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.



FOUNDATION PLAN
SCALE: 1" = 1/4"

GENERAL FRAMING NOTES:

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

FRAMING LUMBER SHALL BE 6YF #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 DOWNS UNO.

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

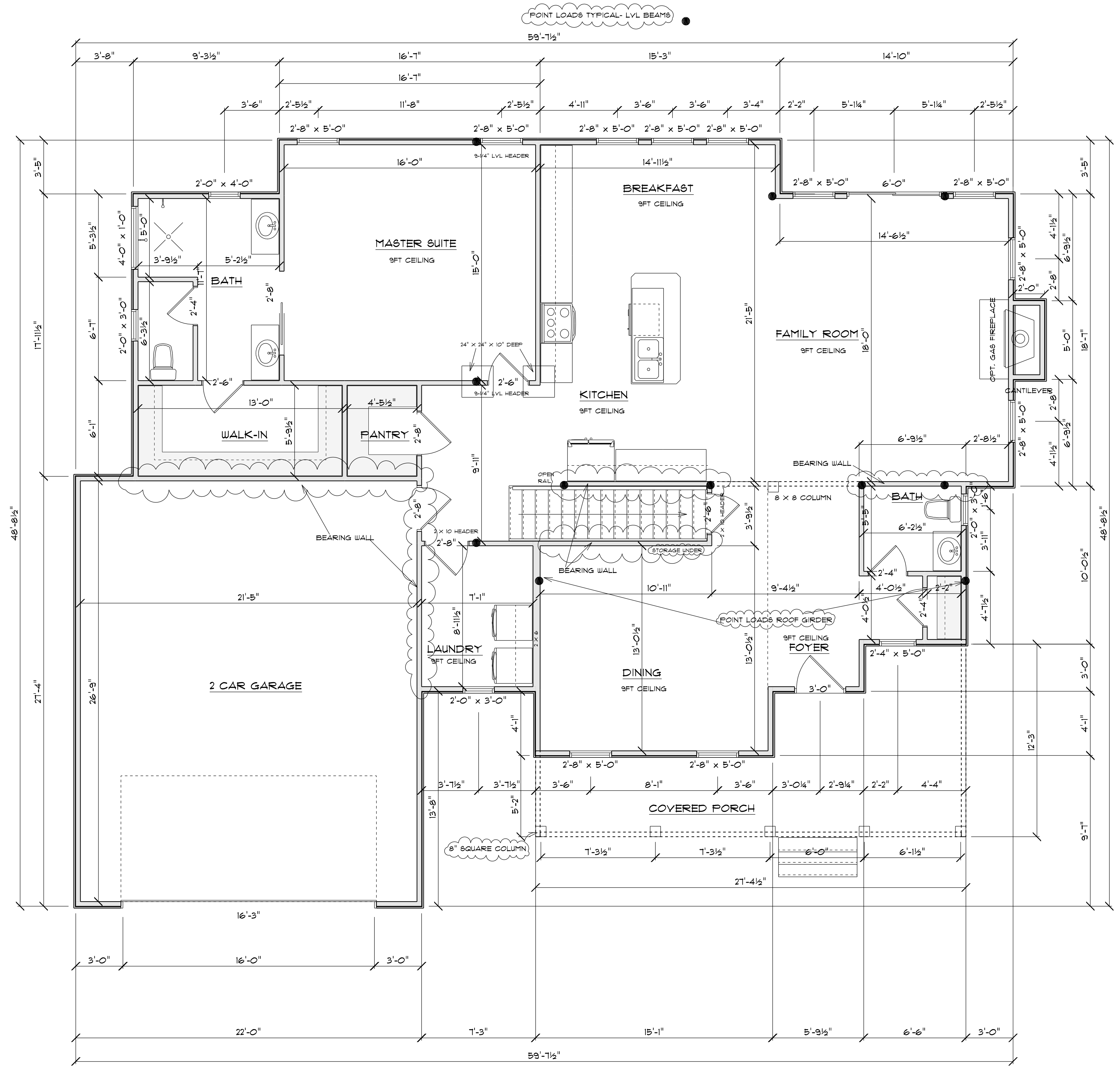
ALL EXPOSED FRAMING ON PORCHES AND DECKS SHALL BE PRESSURE TREATED. PROVIDE WATERPROOFING AND DRAINS AS REQUIRED.

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

SIZE	COUNT	LIBRARY NAME	R.O. WIDTH	R.O. HEIGHT
2'-4" x 5'-0"	1	Window/Single Hung	28"	60-1/2"
2'-8" x 4'-0"	1	Window/Single Hung	32"	48"
2'-8" x 5'-0"	14	Window/Single Hung	32"	60-1/2"
2'-8" x 5'-0" Dbl	2	Window/Single Hung	64-1/2"	60-1/2"
2'-0" x 3'-0"	3	Window/Single Hung	24"	36"
2'-0" x 4'-0"	1	Window/Single Hung	24"	48"
2'-8" x 5'-0"	1	Window/Single Hung	32"	60-1/2"
4'-0" x 1'-0"	1	Window/Transom	48"	12"



1ST FLOOR PLAN

SCALE: 1" = 1/4"

AREA SCHEDULE	
NAME	AREA
Heated	1873.2 sq ft.
Garage	599.5 sq ft.

GENERAL FRAMING NOTES:

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

FRAMING LUMBER SHALL BE SYP #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 DOWN UNO.

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

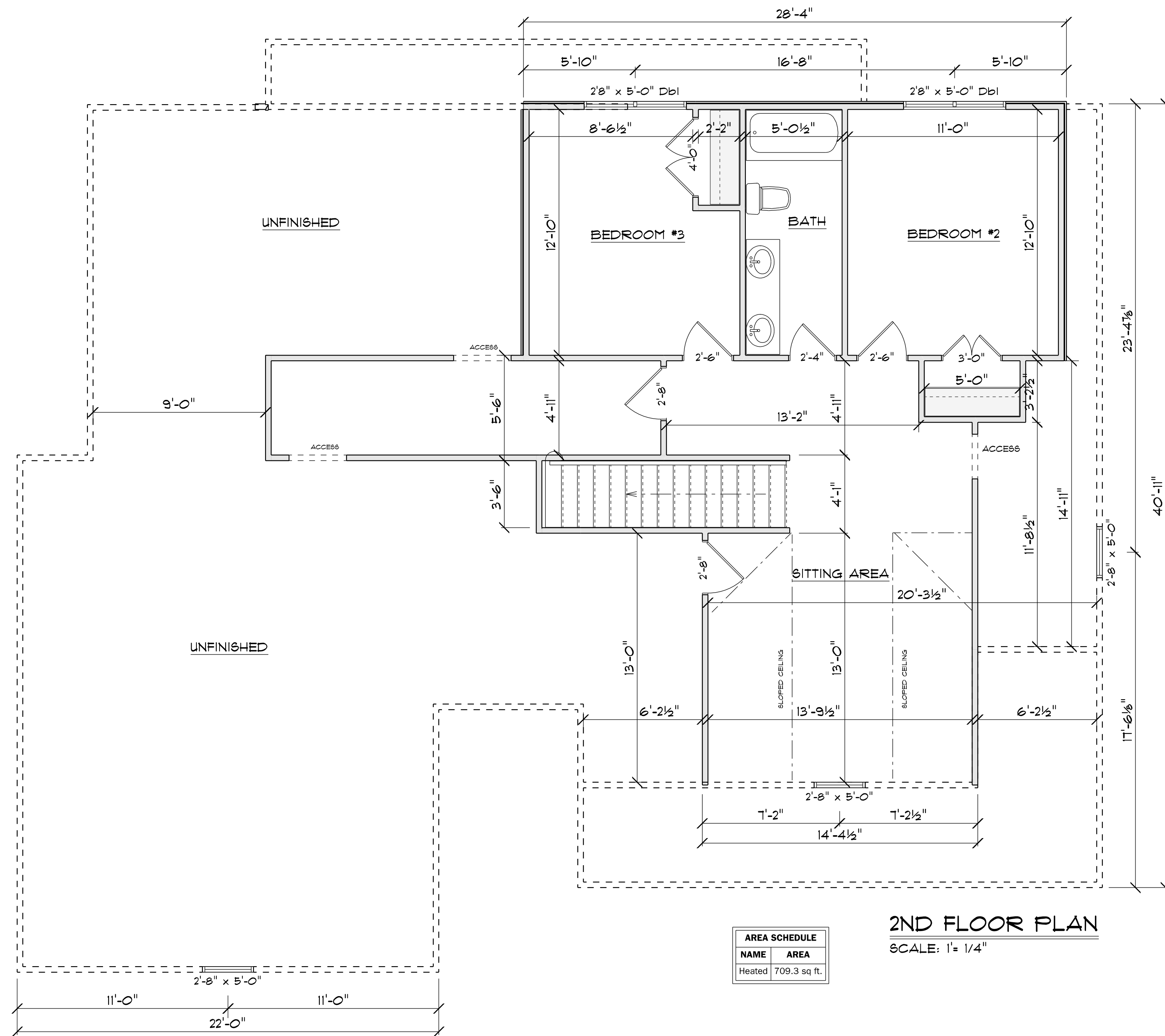
ALL EXPOSED FRAMING ON PORCHES AND DECKS SHALL BE PRESSURE TREATED.

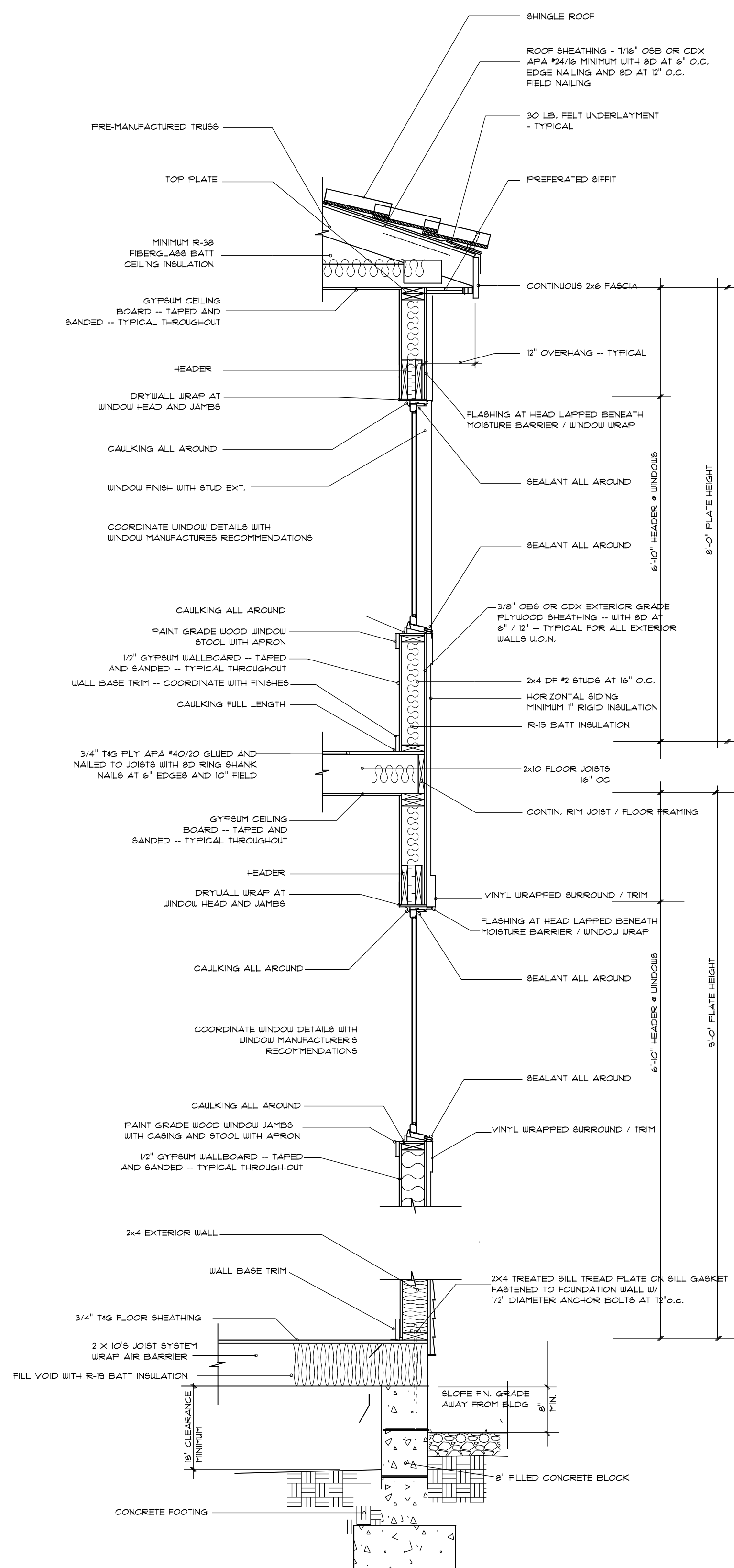
PROVIDE WATERPROOFING AND DRAINS AS REQUIRED.

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 T.J.'S TO BE SIZED BY OTHERS

EXTERIOR WALLS IN LIVING AREAS ARE 2 X 4





TWO STORY CRAWL SPACE FOUNDATION DETAIL
 not to scale

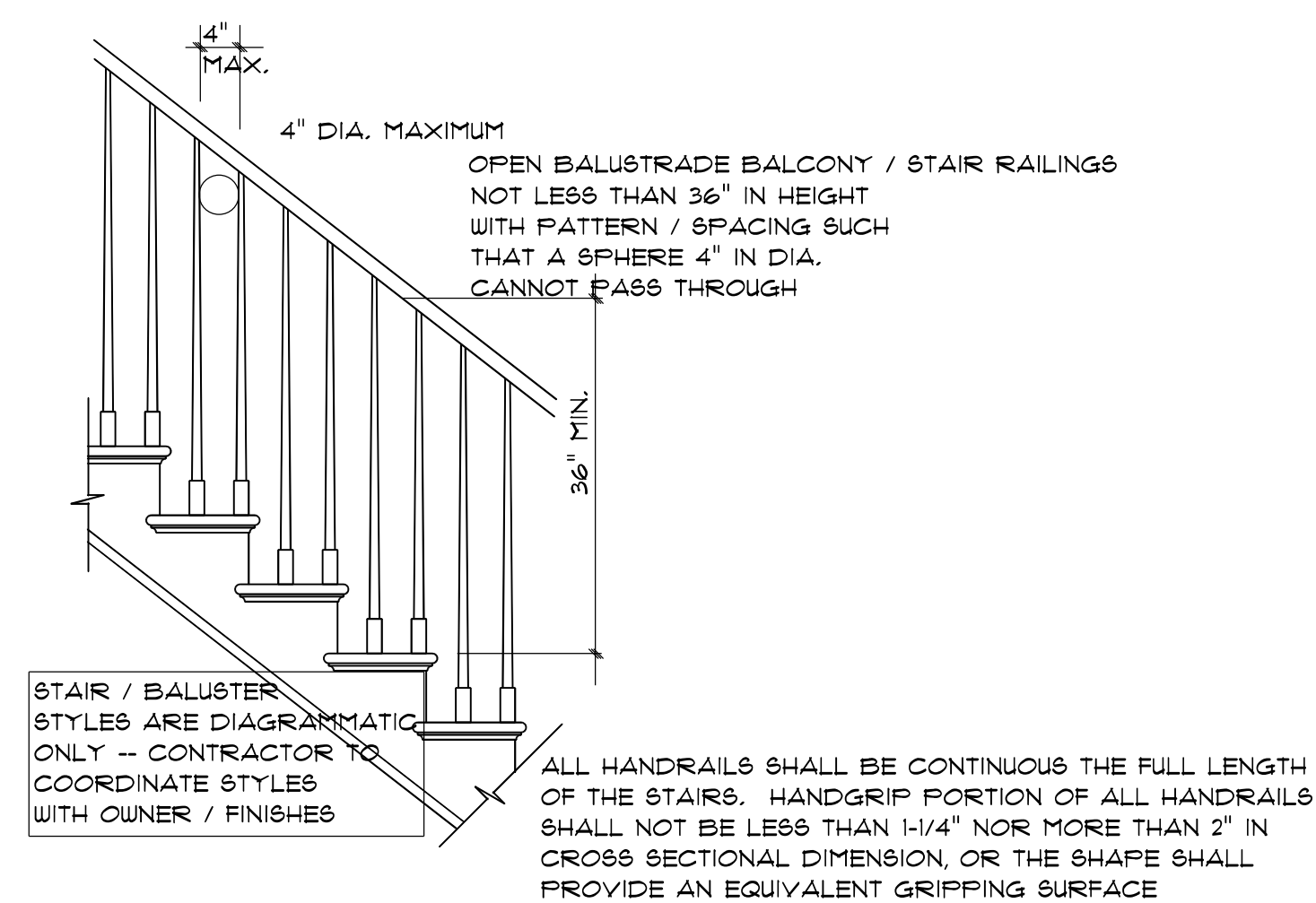
TYPICAL TRUSS ROOF:
 SHINGLES
 1/2" ROOFING PLYWOOD c/w
 1" CLIPS
 BLOCK & BRACE PER TRUSS MGR.
 PRE-ENGINEERED TRUSSES @ 24" o.c.
 2x4 TRUSS BRACING
 R30 BLOWN INSULATION
 1/2" CEILING BOARD
 TAPED & SANDED

TYPICAL 2x4 WALL:
 1/2" DRYWALL
 TAPED & SANDED
 2x4 STUDS @ 16" o.c.
 1/2" DRYWALL
 TAPED & SANDED

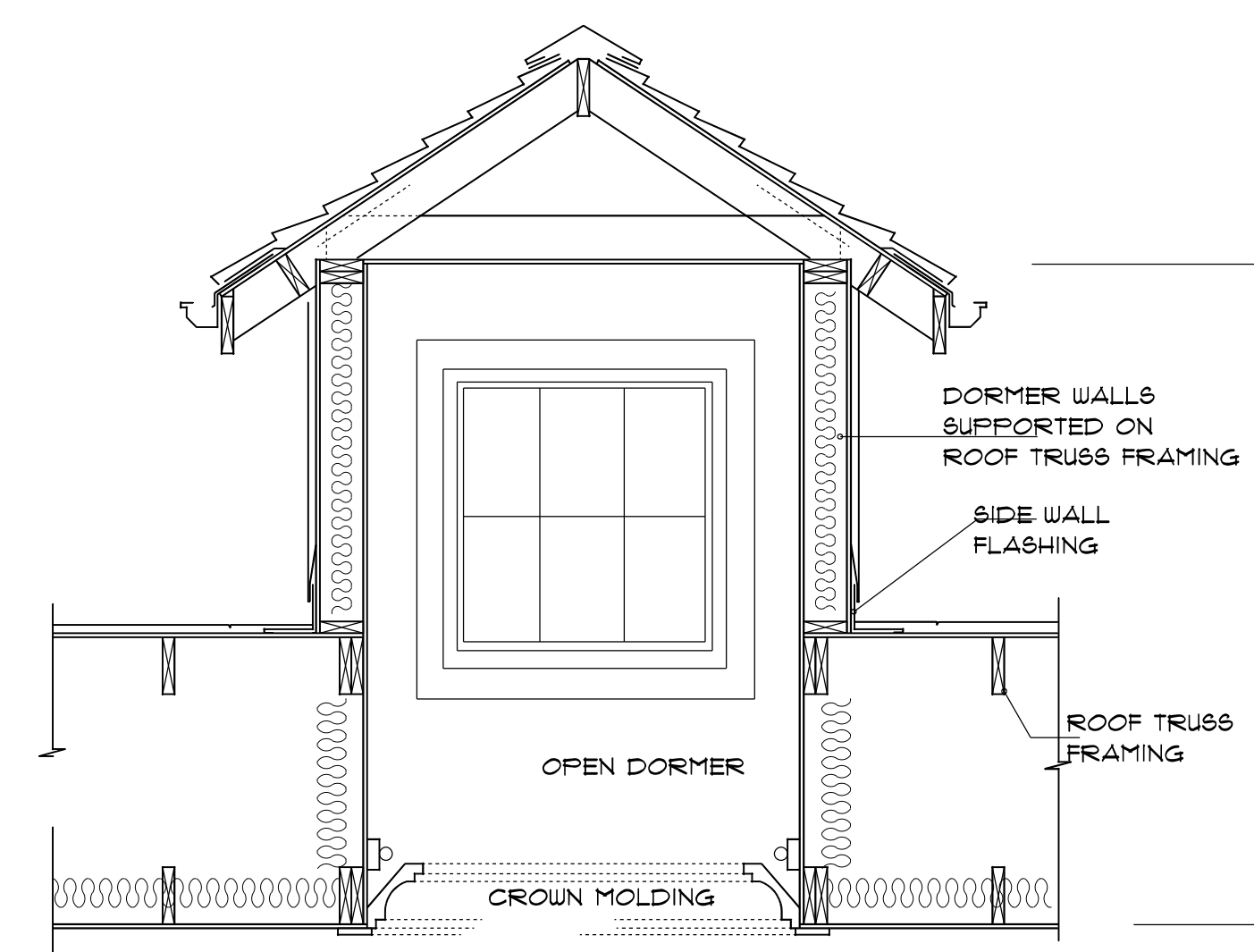
TYPICAL 2x4 SIDING EXTERIOR WALL:
 VINYL SIDING
 1/2" PLYWOOD SHEATHING
 2x4 STUDS @ 16" o.c.
 R15 BATT INSULATION
 1/2" DRYWALL
 TAPED & SANDED



SECTION A
 SCALE: 1" = 1/4"



STAIR RAILING
 not to scale



DORMER SECTION
 not to scale

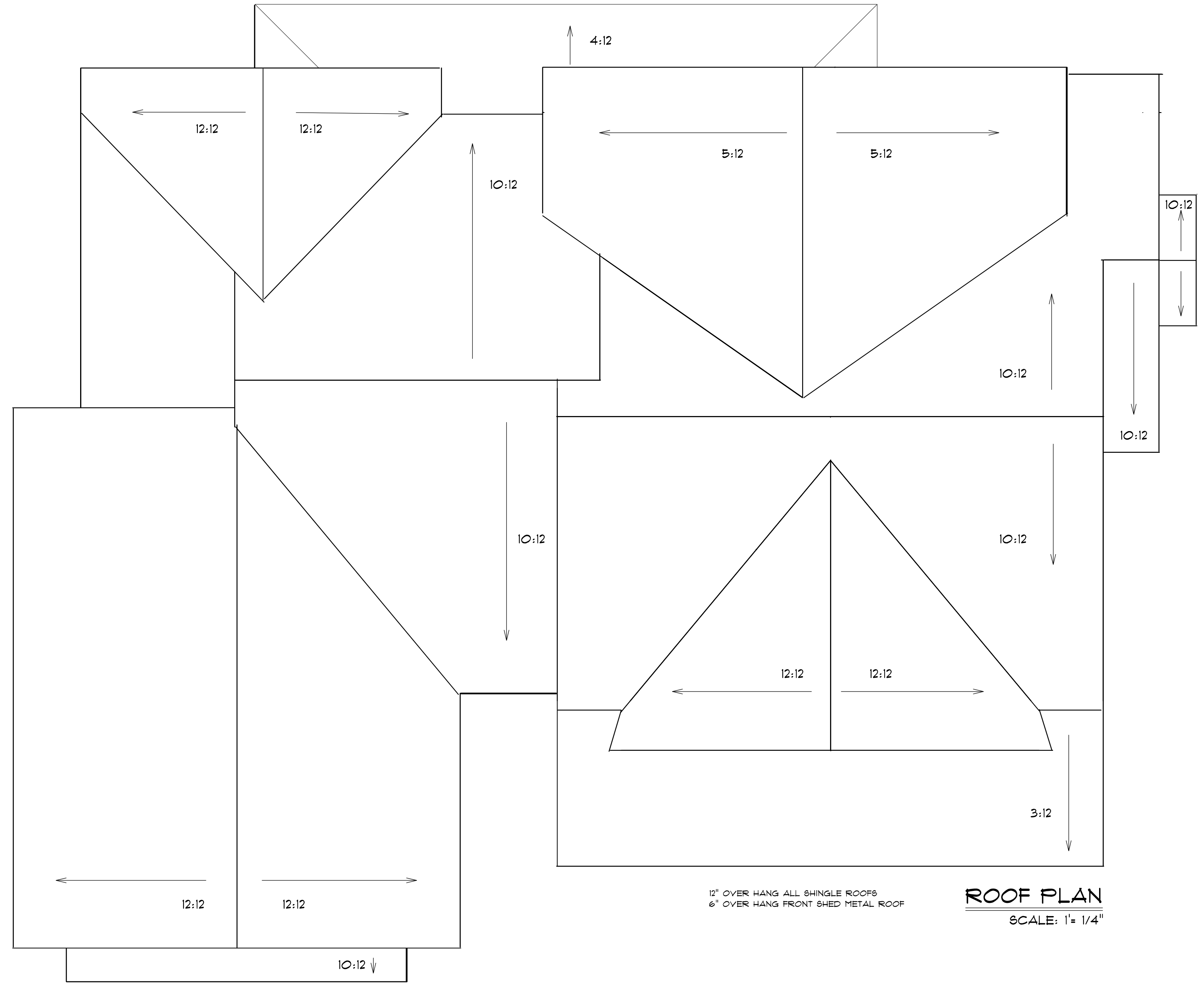
ROOF NOTES:

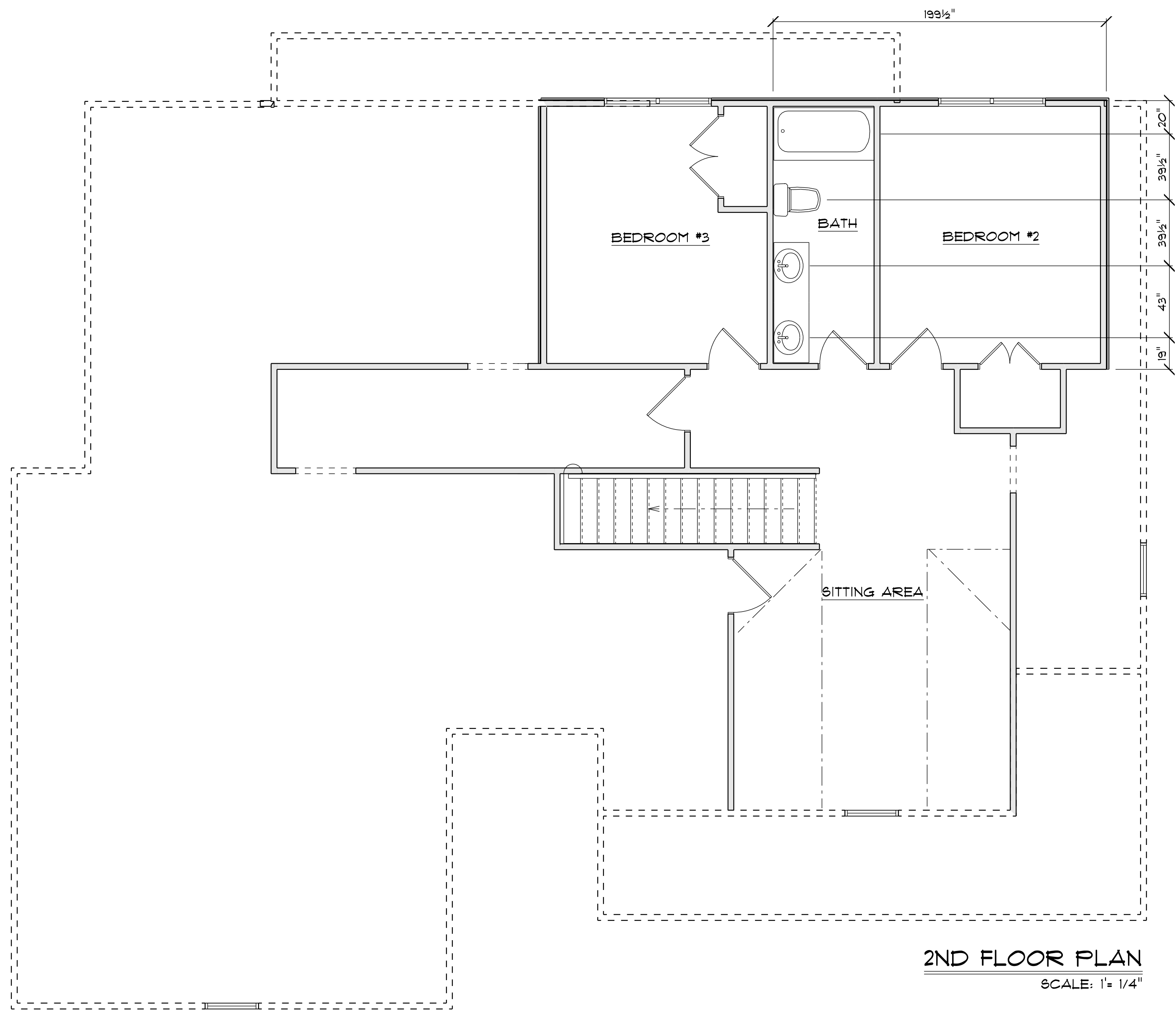
TRUSSES, BRACINGS, BRIDGING AND CONNECTORS ARE TO BE DESIGNED BY THE TRUSS MANUFACTURER.

IDENTIFY LUMBER BY OFFICIAL GRADE MARKINGS.

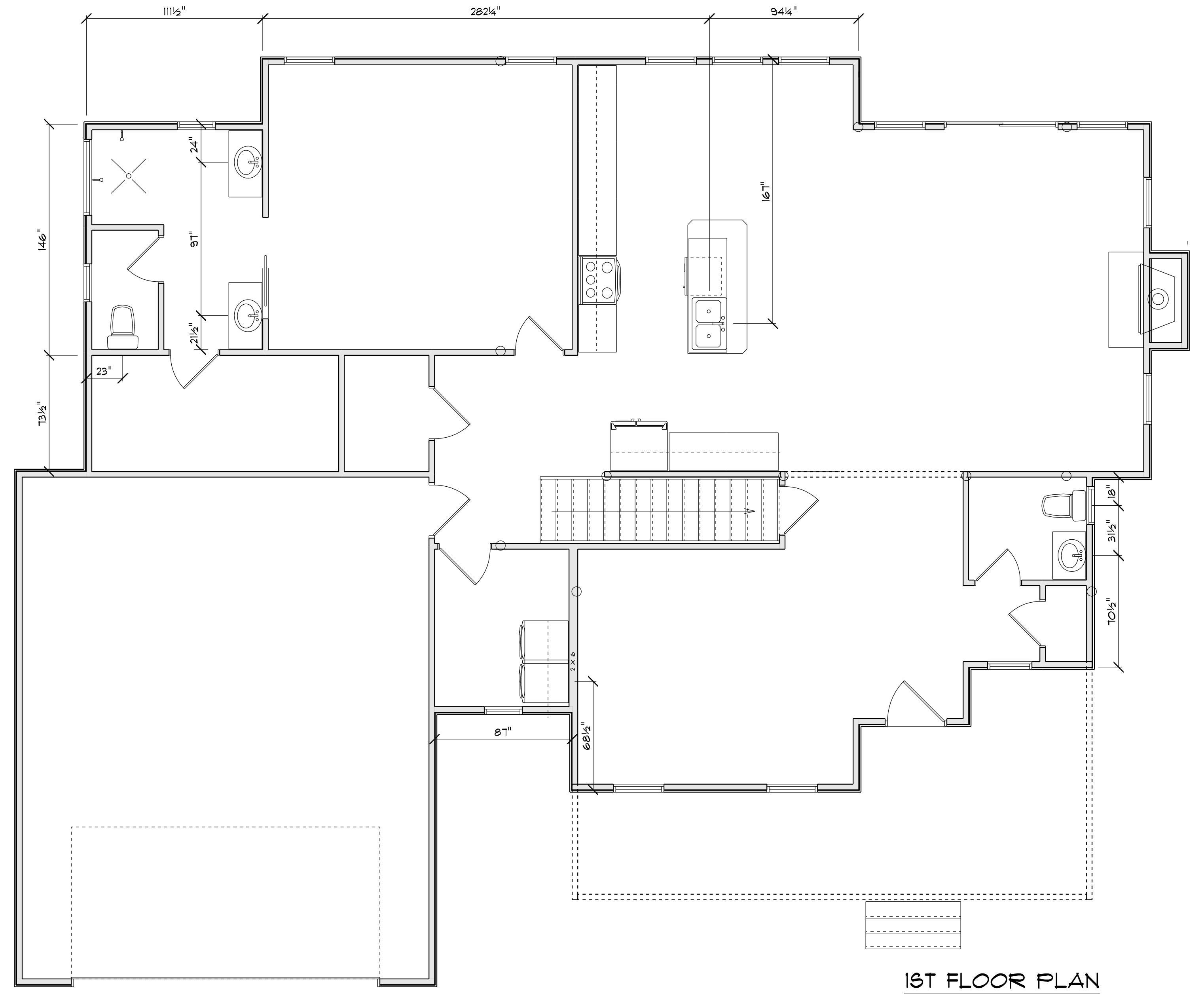
DO NOT CUT OR REMOVE CHORDS OR OTHER TRUSS MEMBERS. DO NOT NOTCH OR DRILL TRUSS MEMBERS.

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



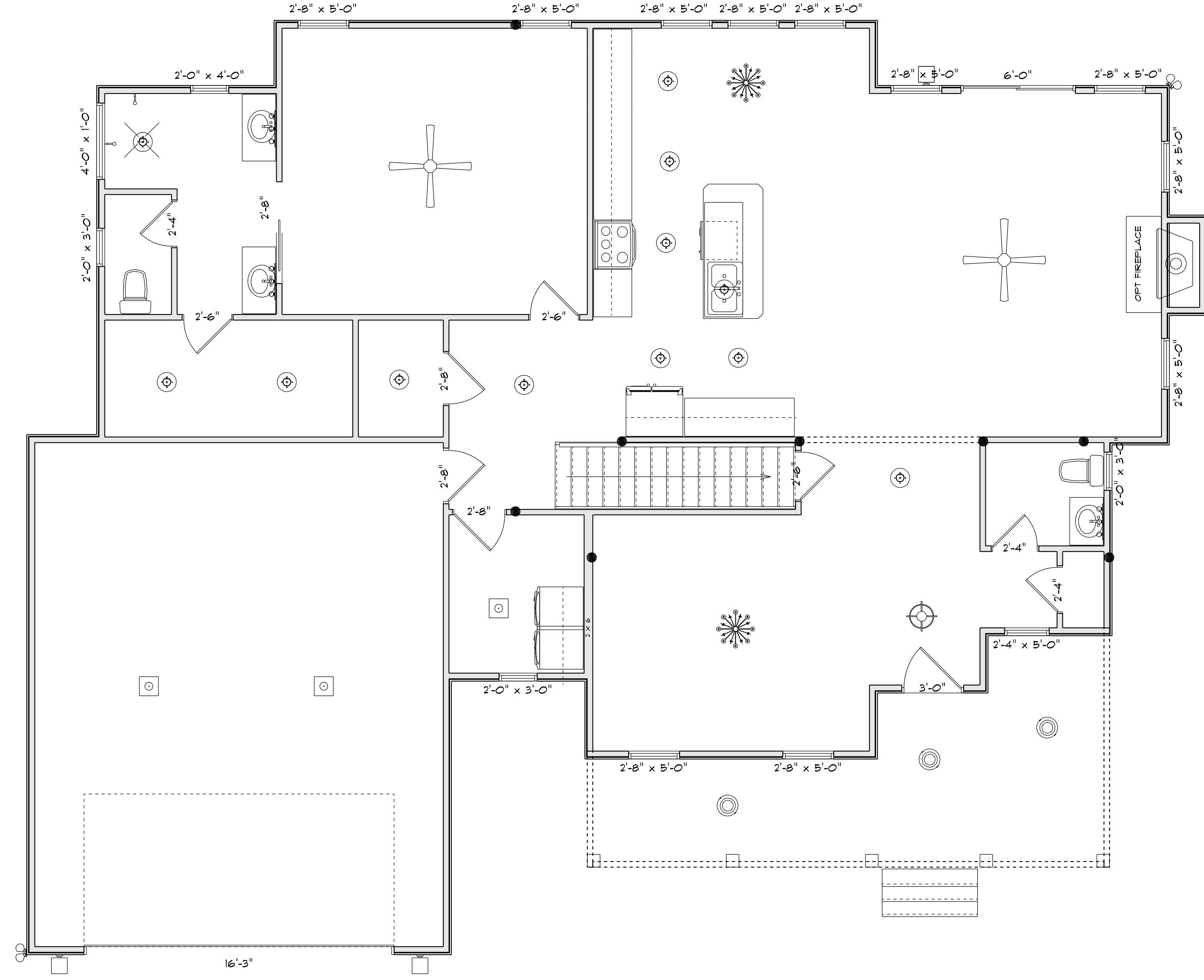


2ND FLOOR PLAN
SCALE: 1" = 1/4"

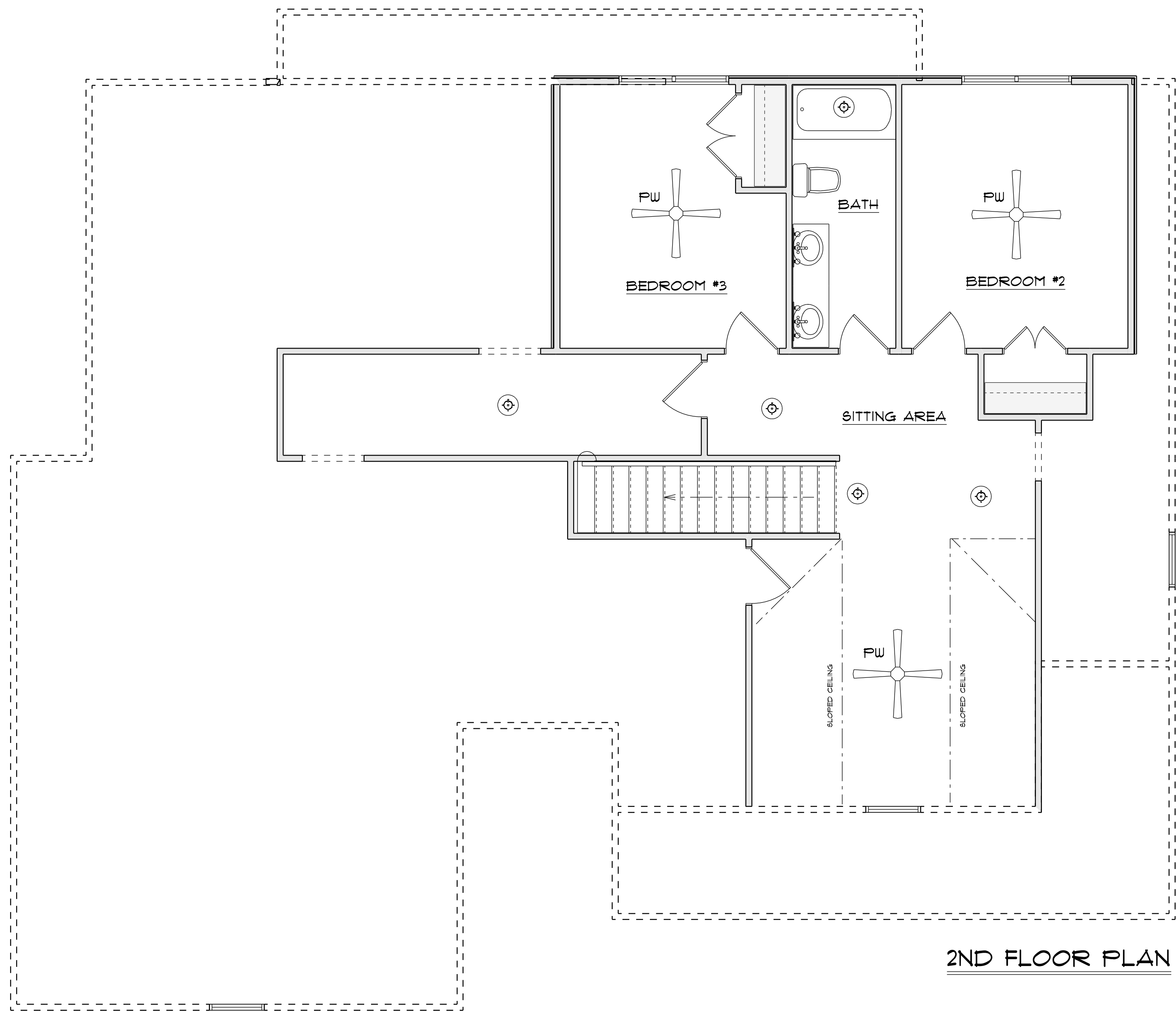


1ST FLOOR PLAN
SCALE: 1" = 1/4"

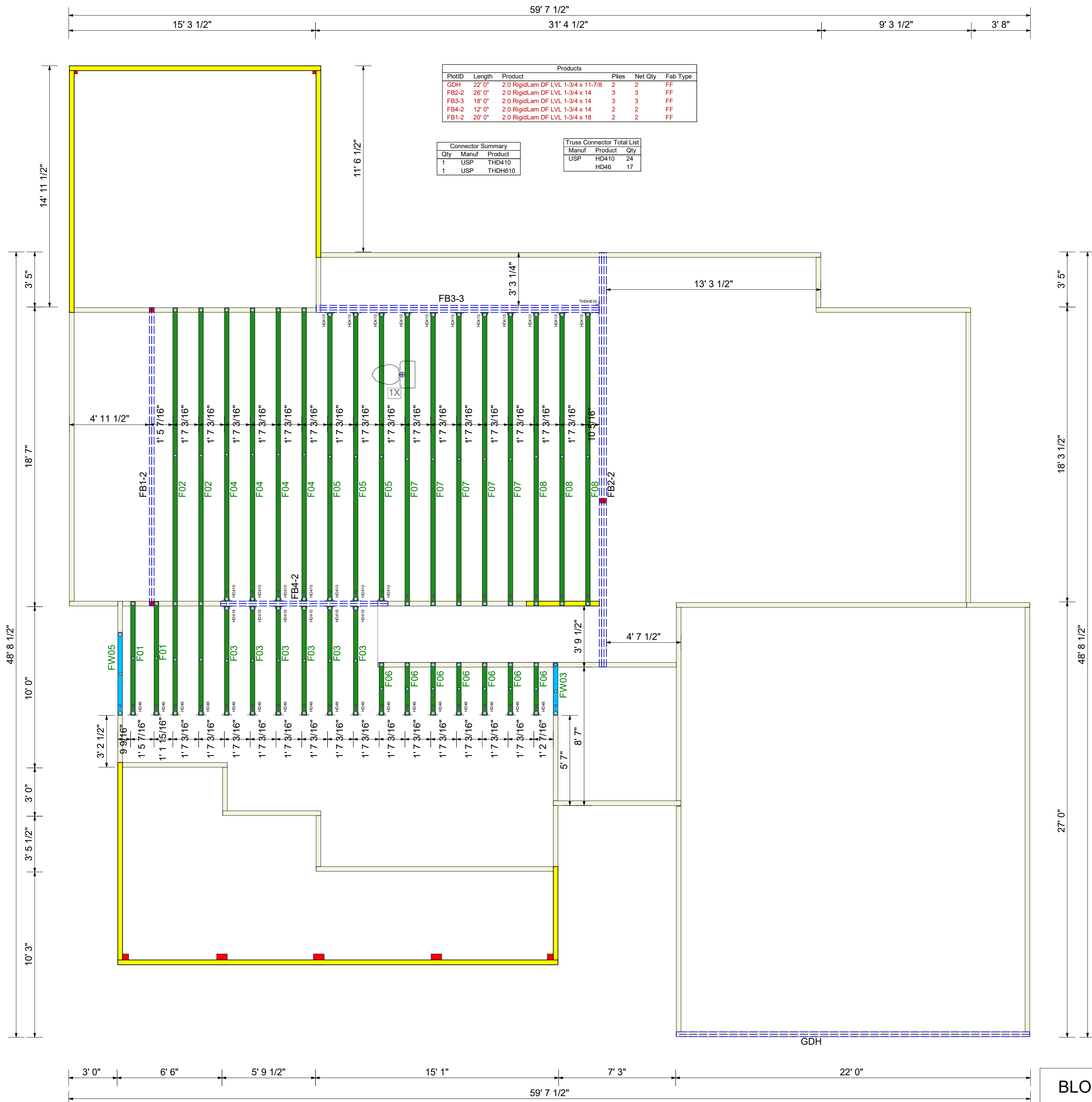
ELECTRICAL LEGEND		
ELECTRICAL	COUNT	SYMBOL
ceiling fan 4 bladed 01	2	
dining room	2	
10" led light	3	
foyer light	1	
7" led lights	11	
coach light	4	
flood lights	2	
vanity light	3	
ceiling porch light	3	



ELECTRICAL LEGEND		
ELECTRICAL	COUNT	SYMBOL
7" led lights	5	⊕
vanity light	2	⊕



2ND FLOOR PLAN



Products					
PlotID	Length	Product	Piles	Net Qty	Fab Type
GDH	22' 0"	2.0 Rigid.Lam DF LVL 1-3/4 x 11-7/8	2	2	FF
FB2-2	26' 0"	2.0 Rigid.Lam DF LVL 1-3/4 x 14	3	3	FF
FB3-3	18' 0"	2.0 Rigid.Lam DF LVL 1-3/4 x 14	3	3	FF
FB4-2	12' 0"	2.0 Rigid.Lam DF LVL 1-3/4 x 14	2	2	FF
FB1-2	20' 0"	2.0 Rigid.Lam DF LVL 1-3/4 x 18	2	2	FF

Connector Summary		
Qty	Manuf	Product
1	USP	THD410
1	USP	THDH610

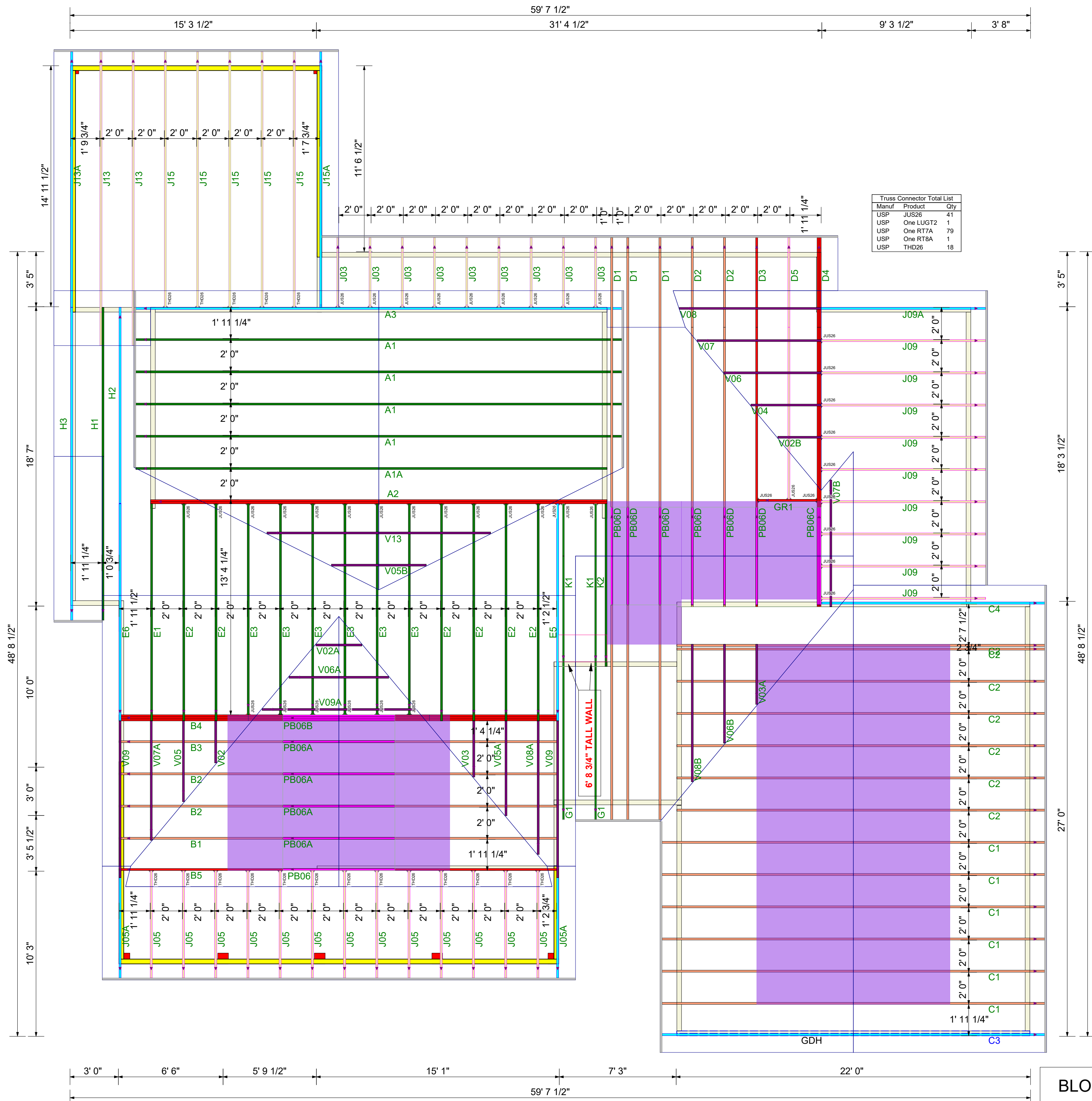
Truss Connector Total List		
Manuf	Product	Qty
USP	HD410	24
	HD46	17

BLOCK SOLID UNDER ALL POST /POINT LOADS FROM ABOVE - TYPICAL AT ALL LOCATIONS

DRAWING SCALE : NTS



JOB NUMBER		20100130	
SHEET NUMBER		1 / 1	
REVISIONS		DATE	BY
		12-31-20	LEE ATKINS
LAMCO		1 SOUTH PARK II / THE MILLER	
FLOOR TRUSS LAYOUT			



Truss Connector Total List		
Manuf	Product	Qty
USP	JUS26	41
USP	One LUGT2	1
USP	One RT7A	79
USP	One RT8A	1
USP	THD26	18

DRAWING SCALE : NTS

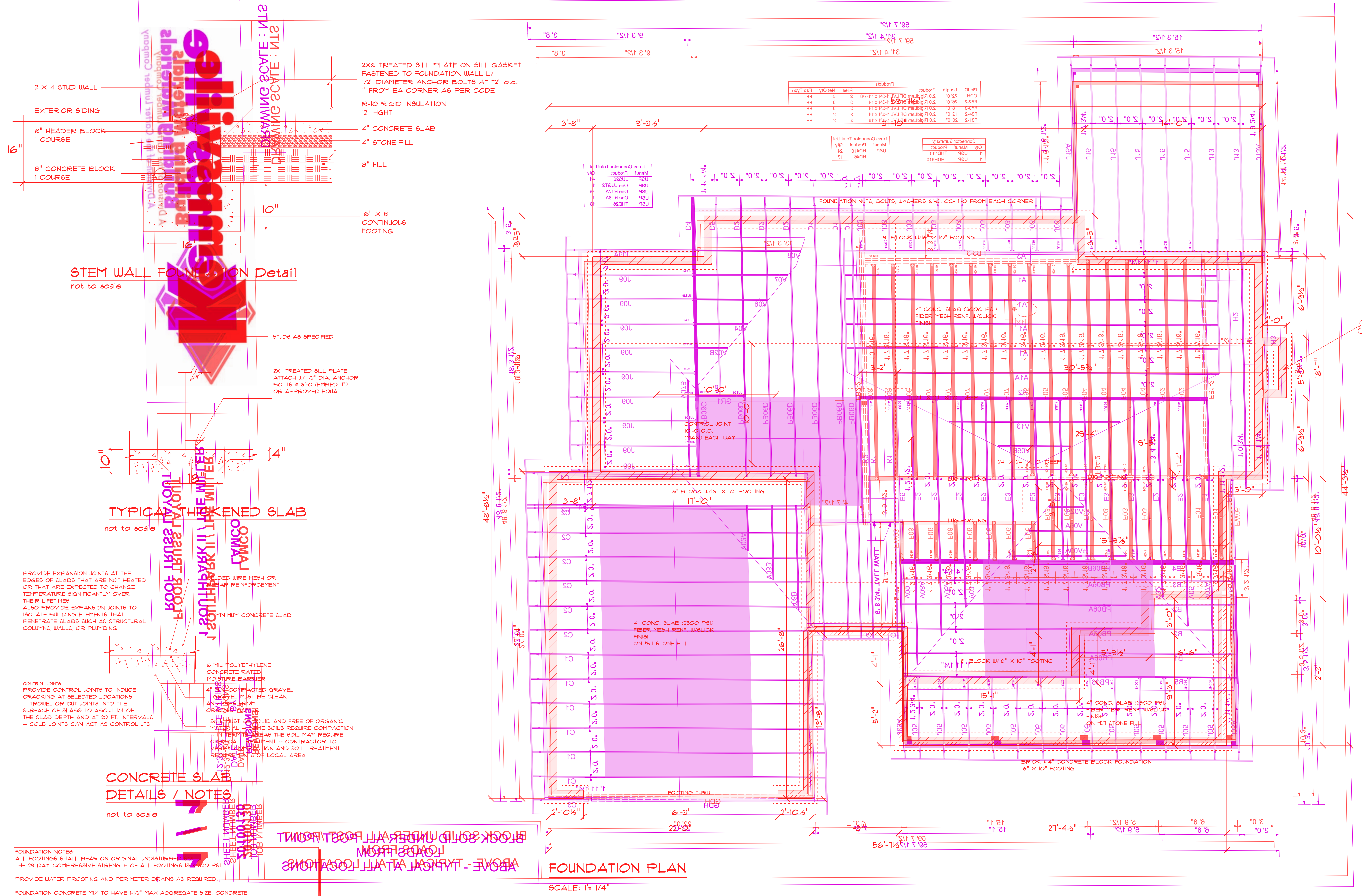


LAMCO
 1 SOUTHPARK II / THE MILLER
 ROOF TRUSS LAYOUT

REVISIONS	
DATE	BY
12-31-20	LEE ATKINS

JOB NUMBER
20100130
 SHEET NUMBER
1 / 1

BLOCK SOLID UNDER ALL POST /POINT LOADS FROM ABOVE - TYPICAL AT ALL LOCATIONS



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 1/2" MAX AGGREGATE SIZE. CONCRETE FILL MIX TO HAVE 1/2" MAX AGGREGATE SIZE.
 FOOTINGS WIDTHS ARE BASED ON A LOAD-BEARING SOIL CAPACITY OF 2000 PSF.
 PROVIDE 6 MIL POLY VAPOR BARRIER TO COVER GROUND SURFACE IN CRAWL SPACE.
 ALL ANCHOR BOLTS TO BE 1/2" LONG, 1/2" DIA. A36 UNO ANCHOR BOLTS SHALL BE SPACED 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.

SCALE: 1" = 1/4"