

NOTICE TO CONTRACTOR  
 All construction shall comply with the NC Building Code and is subject to local inspection and enforcement.  
 APPROVED  
 12/08/2022  
 HARNETT COUNTY  
 NORTH CAROLINA

**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 HIGHT 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.

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 15 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 7/12 34.8 P&F
    - 6.5.2 Roof Slopes 7/12 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.



**FRONT ELEVATION**

SCALE: 1" = 1/4"

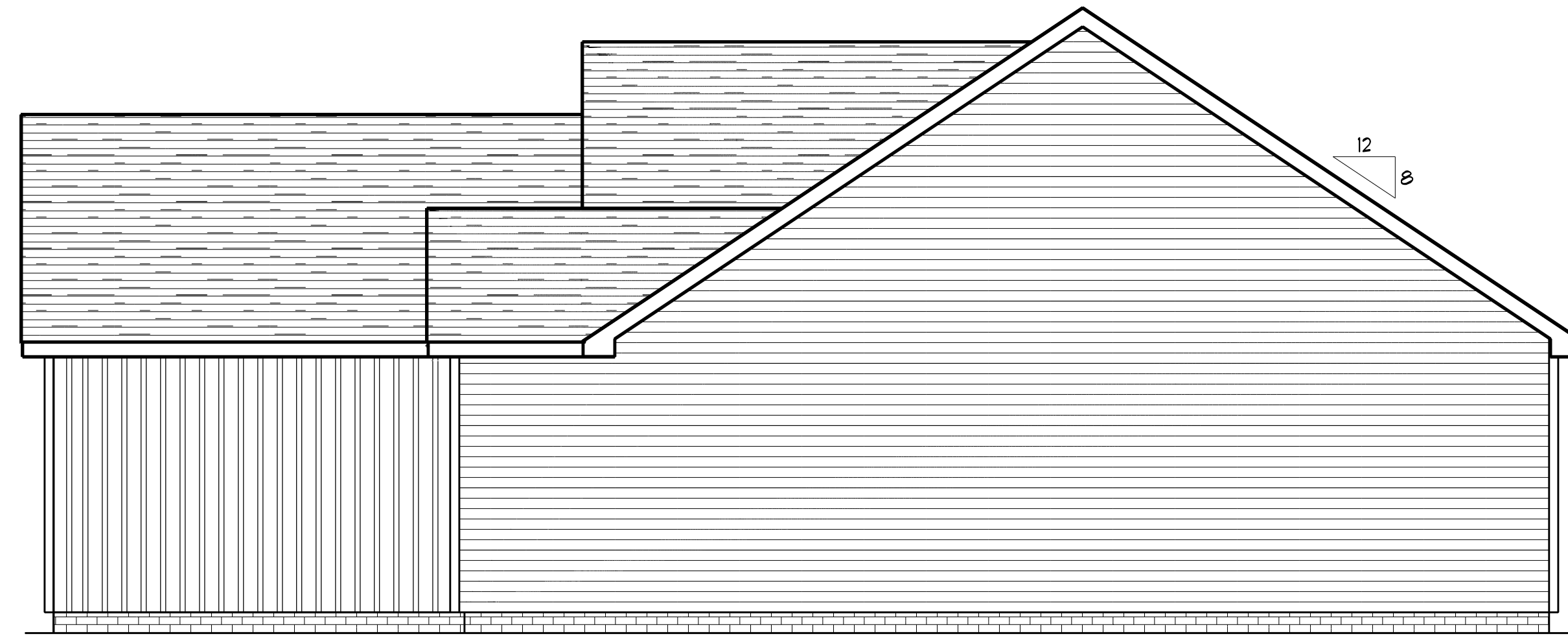


**REAR ELEVATION**

SCALE: 1" = 1/4"



**LEFT ELEVATION**  
SCALE: 1" = 1/4"



**RIGHT ELEVATION**  
SCALE: 1" = 1/4"

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.

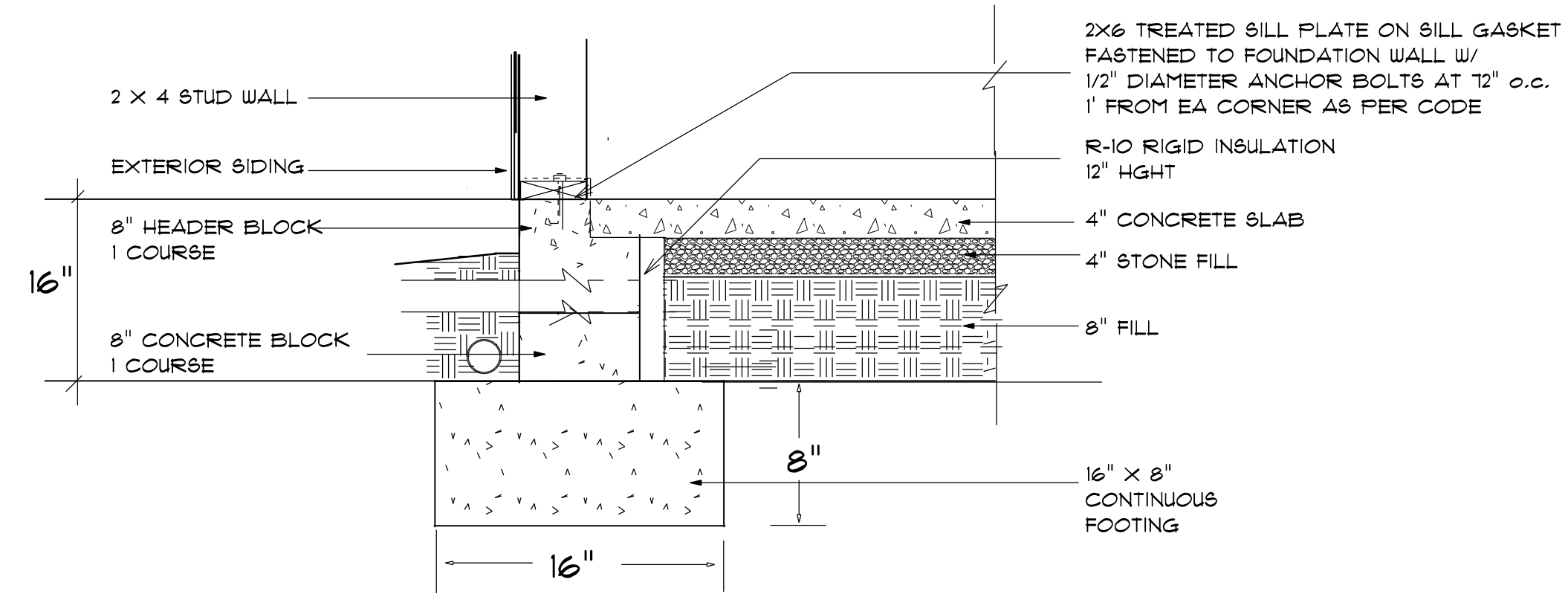
FOUNDATION CONCRETE MIX TO HAVE 1-1/2" MAX AGGREGATE SIZE. CONCRETE FILL MIX TO HAVE 1/2" MAX AGGREGATE SIZE.

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

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

WELDED WIRE MESH OR REBAR REINFORCEMENT

4" MINIMUM CONCRETE SLAB

6 MIL POLYETHYLENE CONCRETE RATED MOISTURE BARRIER

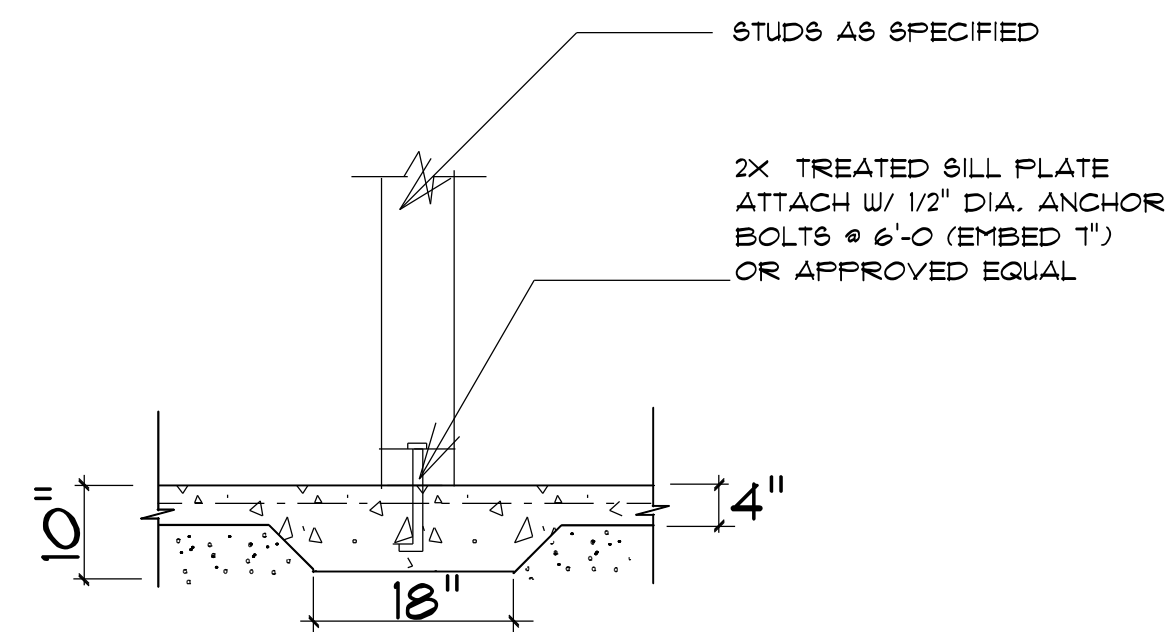
CONTROL JOINTS  
 PROVIDE CONTROL JOINTS TO INDUCE CRACKING AT SELECTED LOCATIONS  
 -- TROWEL OR CUT JOINTS INTO THE SURFACE OF SLABS TO ABOUT 1/4 OF THE SLAB DEPTH AND AT 20 FT. INTERVALS  
 -- COLD JOINTS CAN ACT AS CONTROL JTS

4" MIN. COMPACTED GRAVEL -- GRAVEL MUST BE CLEAN AND FREE FROM ORGANIC MATTER

SOIL MUST BE SOLID AND FREE OF ORGANIC MATERIAL -- SOME SOILS REQUIRE COMPACTION -- IN TERMITE AREAS THE SOIL MAY REQUIRE CHEMICAL TREATMENT -- CONTRACTOR TO VERIFY COMPACTION AND SOIL TREATMENT REQUIREMENTS OF LOCAL AREA

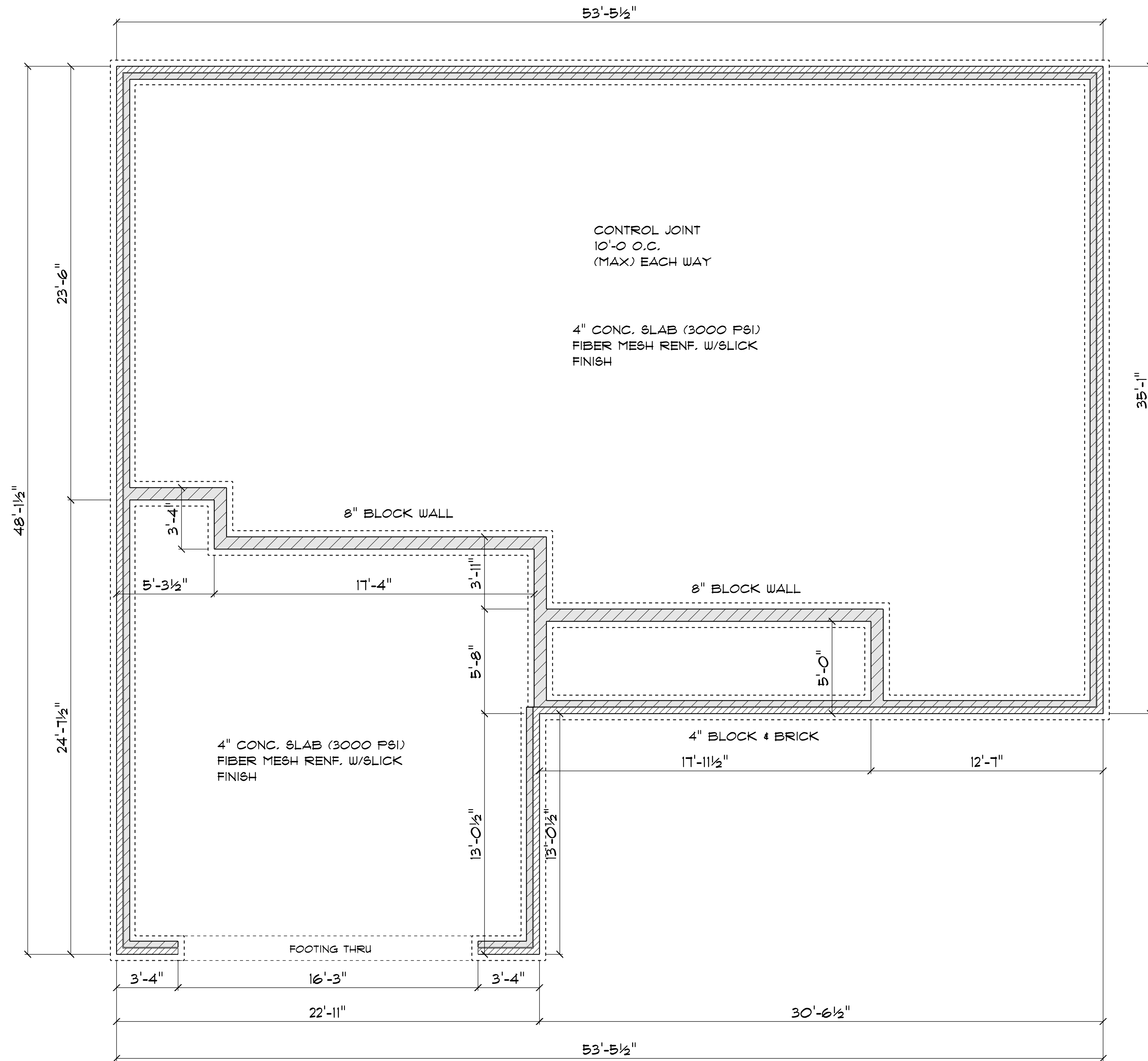
**CONCRETE SLAB DETAILS / NOTES**

not to scale



**TYPICAL THICKENED SLAB**  
 not to scale

FOUNDATION NUTS, BOLTS, WASHERS 6'-0" OC 1'-0" FROM EACH CORNER



**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 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 DOWNS UNO.

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

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

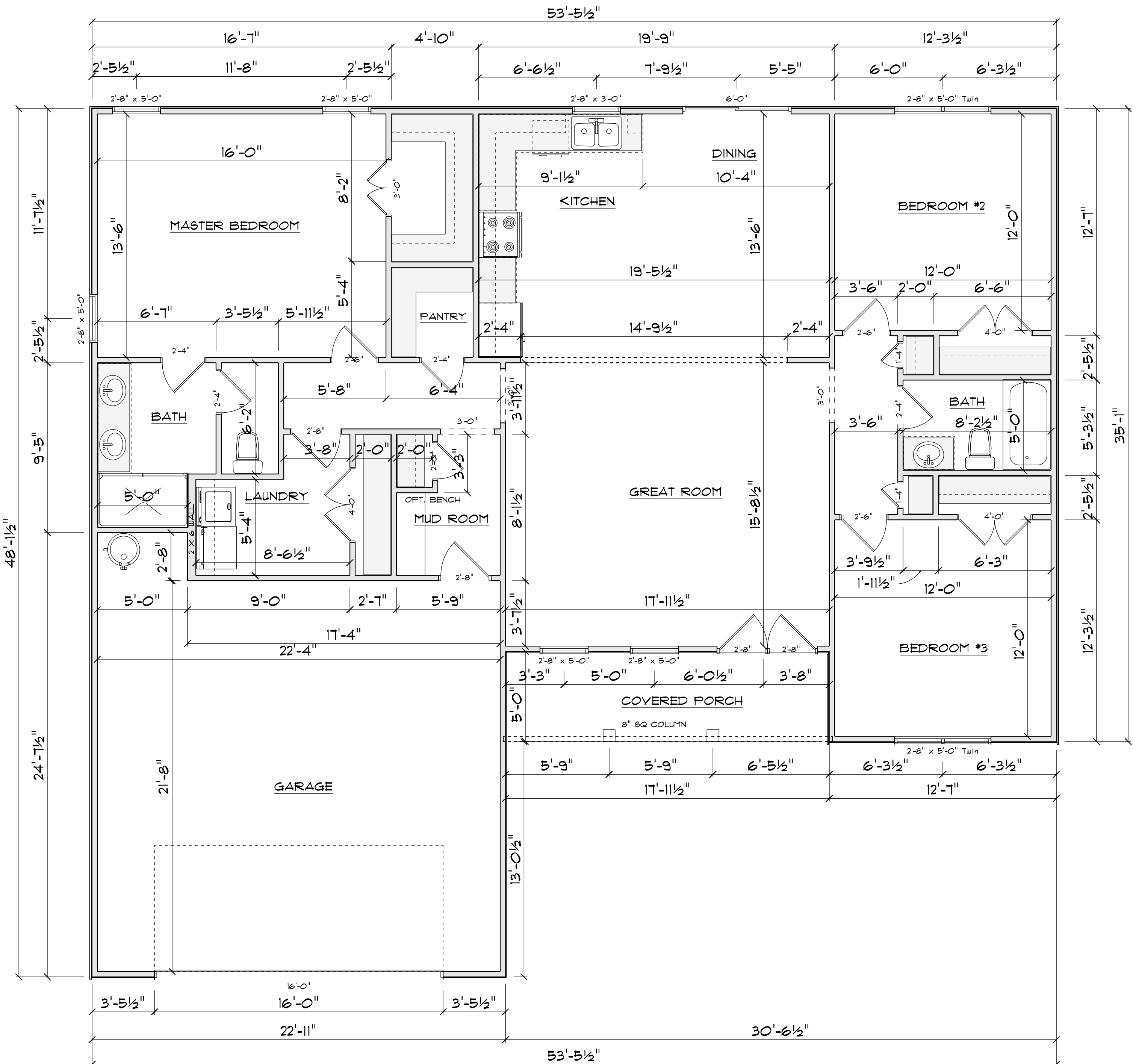
PROVIDE WATERPROOFING AND DRAINS AS REQUIRED.

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

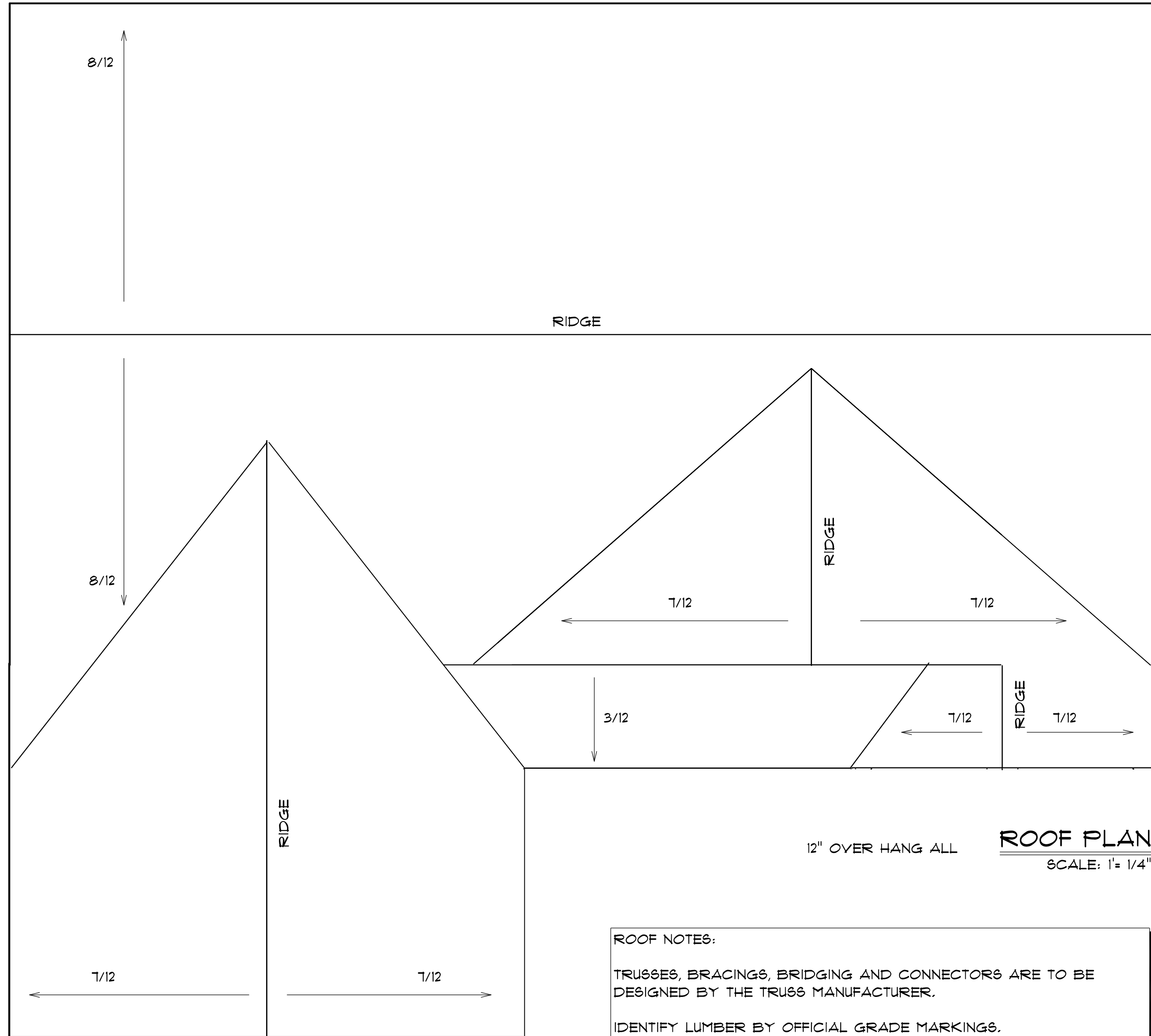
EXTERIOR WALLS IN LIVING AREAS ARE 2 X 4

WINDOW SCHEDULE				
SIZE	COUNT	LIBRARY NAME	R.O. WIDTH	R.O. HEIGHT
2'-0" x 3'-0"	2	Window\Single Hung	24"	36"
2'-8" x 3'-0"	1	Window\Single Hung	32"	36"
2'-8" x 5'-0"	5	Window\Single Hung	32"	60-1/2"
2'-8" x 5'-0" Twin	2	Window\Single Hung	64"	60-1/2"



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

AREA SCHEDULE	
NAME	AREA
Heated	1588 sq ft.
Covered Front Porch	87 sq ft.
Garage	515 sq ft.



**ROOF NOTES:**

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

IDENTIFY LUMBER BY OFFICIAL GRADE MARKINGS.

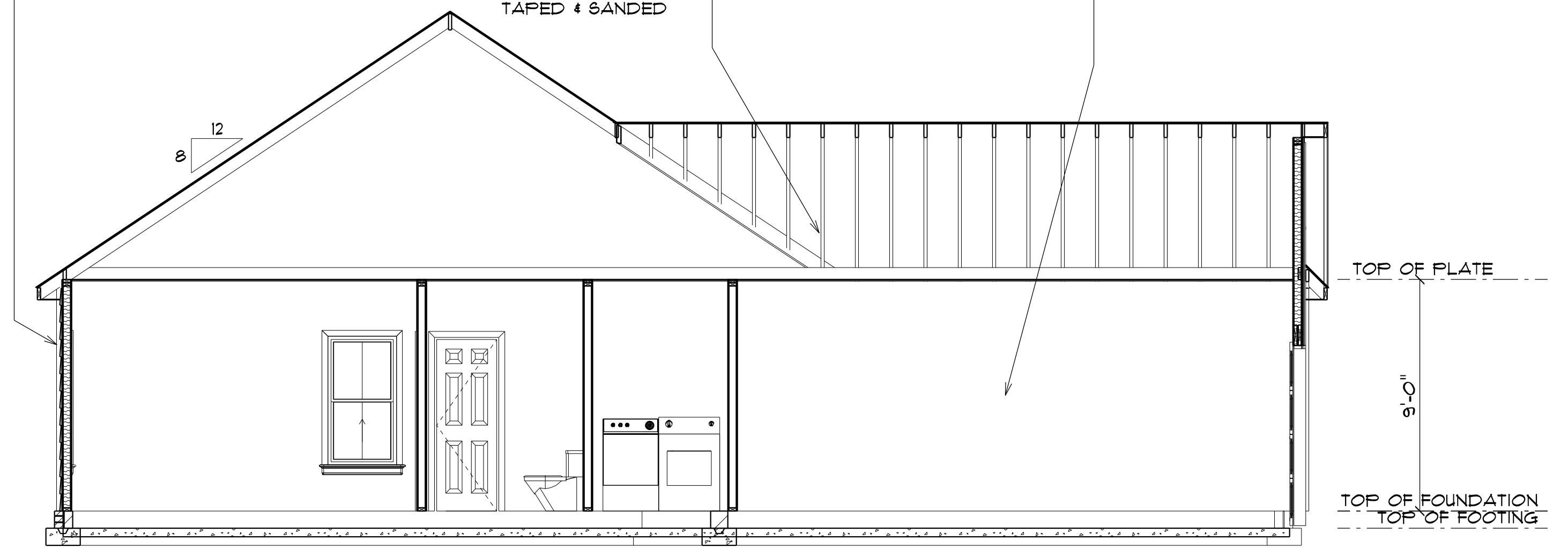
DO NOT CUT OR REMOVE CHORDS OR OTHER TRUSS MEMBERS. DO NOT NOTCH OR DRILL TRUSS MEMBERS.

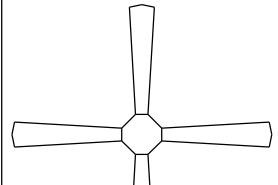
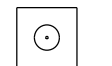

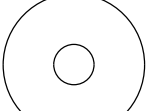
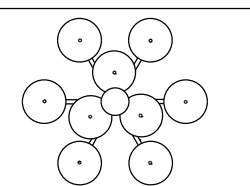
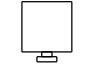

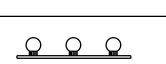
WHERE PRE-ENGINEERED ROOF TRUSSES ARE USED, TRUSS MANUFACTURER SHALL PROVIDE SHOP DRAWINGS, WHICH BEAR SEAL OF A N. C. REGISTERED ENGINEER.

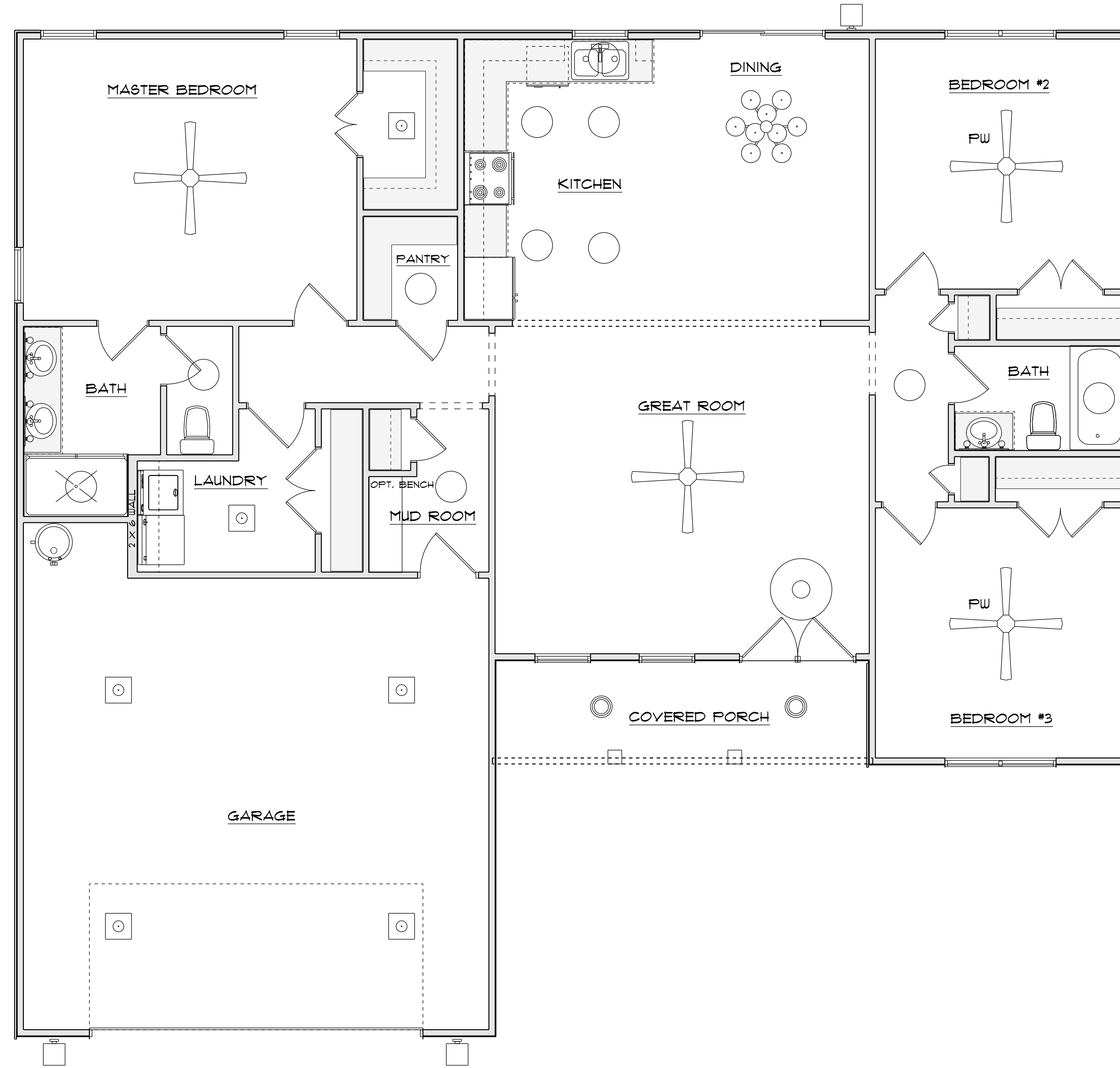
TYPICAL 2x4 SIDING EXTERIOR WALL:  
HORIZONTAL SIDING OR BOARD & BATTEN  
1/16" PLYWOOD SHEATHING  
2x4 STUDS @ 16" o.c.  
R15 BATT INSULATION  
1/2" DRYWALL  
TAPED & SANDED

TYPICAL TRUSS ROOF:  
SHINGLES  
1/16" ROOFING PLYWOOD c/w  
1" CLIPS  
BLOCK & BRACE PER TRUSS MGR.  
PRE-ENGINEERED TRUSSES @ 24" o.c.  
2x4 TRUSS BRACING  
R38 BLOWN INSULATION  
1/2" CEILING BOARD  
TAPED & SANDED

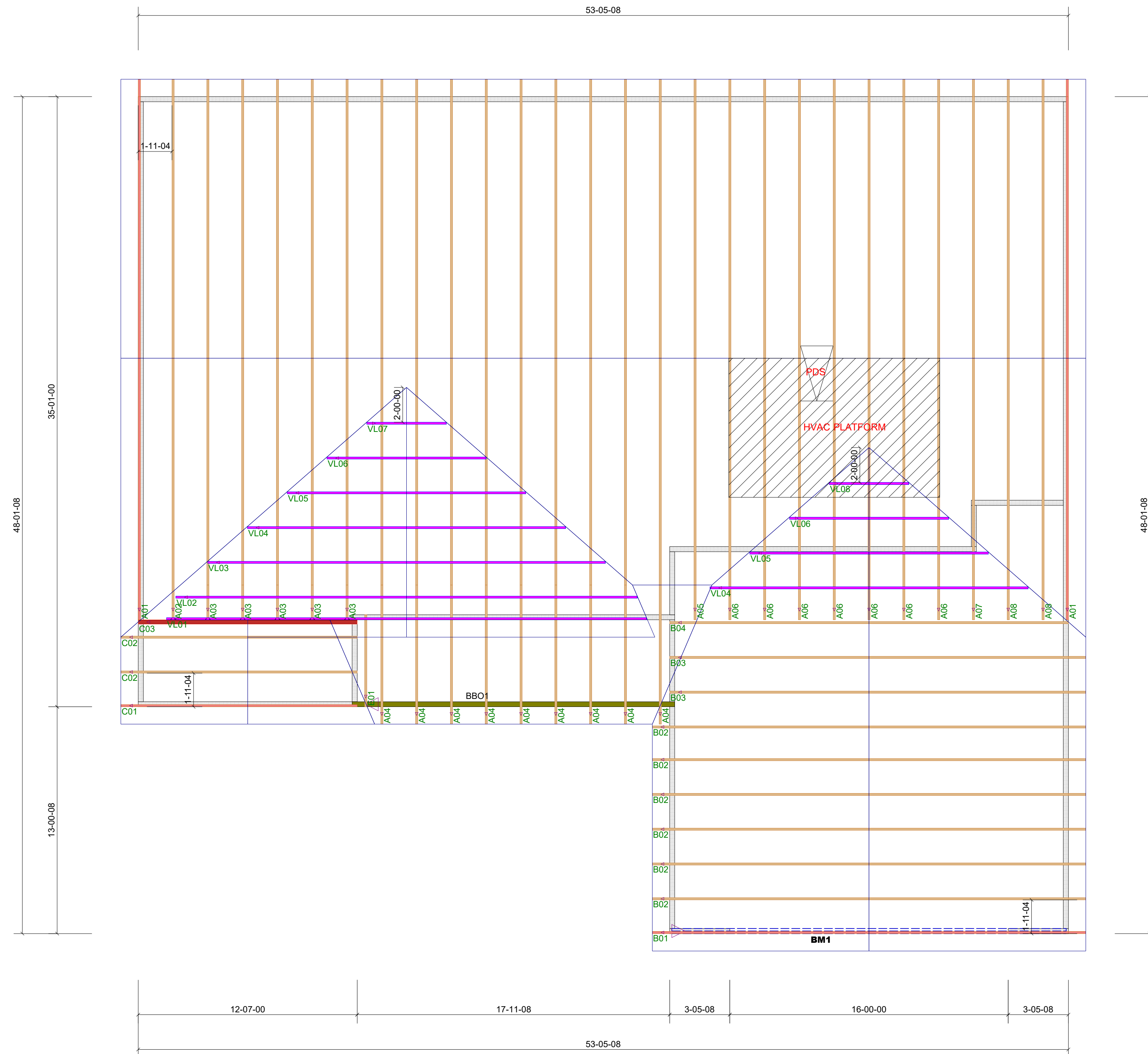
TYPICAL 2x4 WALL:  
1/2" DRYWALL  
TAPED & SANDED  
2x4 STUDS @ 16" o.c.  
1/2" DRYWALL  
TAPED & SANDED



ELECTRICAL LEGEND		
ELECTRICAL	COUNT	SYMBOL
ceiling fan	2	
10" led	6	
7" led	11	
foyer light	1	
dinning room light	1	
coach light	3	
exterior over head light	2	
vanity bar light	3	



FLOOR PLAN



ProdID	Length	Product	Pieces	Net Qty	Fab Type
BM1	24'-00'-00"	2.0 RopsLam DF LVL 1-3/4 x 11-7/8	2	2	FF

Truss Connector Detail List		
Manuf	Product	Qty
MTek	One RTF5A	19
MTek	One RTF4	57
MTek	THD26	6

# ROOF TRUSS FRAMING

DRAWING SCALE : NTS



LAMCO CUSTOM  
CAROLINE  
ROOF LAYOUT

REVISIONS	
DATE	BY
25-05-22	TH

PROJECT NUMBER  
**22050128**  
SHEET NUMBER  
**1 / 1**