

## ABBREVIATIONS

|          |                            |
|----------|----------------------------|
| A.C.C.   | = ACCESS                   |
| B.W.L.   | = BRACED WALL LINE         |
| B.W.P.   | = 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              |
| D.A.     | = DIAMETER                 |
| D.J.     | = DOUBLE JOIST             |
| DN.      | = DOWN                     |
| EXH.     | = EXHAUST                  |
| EXT.     | = EXTERIOR                 |
| FL.J.    | = FLOOR JOIST              |
| FTG.     | = FOOTING                  |
| G.F.I.   | = GROUND FAULT INTERRUPTER |
| H.B.     | = HOSE BIB                 |
| L.V.L.   | = LAMINATED VENEER LUMBER  |
| M.O.     | = MASONRY OPENING          |
| M.AS.    | = 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                   |
| SHMR.    | = 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    |

## GENERAL NOTES AND SPECIFICATIONS

### COPYRIGHT

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### ORIGINAL PURCHASE AGREEMENT

SEE ATTACHED CONSTRUCTION LICENSE FOR INVOICE NUMBER 12921.

### BUILDING CODE INFORMATION

THIS PLAN HAS BEEN DRAWN TO CONFORM TO THE NORTH CAROLINA RESIDENTIAL CODE 2018 EDITION (2015 INTERNATIONAL RESIDENTIAL CODE FOR ONE- AND TWO-FAMILY DWELLINGS, CURRENT EDITION) WITH AMENDMENTS UNLESS OTHERWISE NOTED. (SEE ATTACHMENTS)

### PRIOR TO CONSTRUCTION

THE CONTRACTOR SHALL REVIEW THE PLAN(S) FOR THIS PARTICULAR BUILDING PROJECT TO ENSURE COMPLIANCE WITH ALL NATIONAL, STATE AND LOCAL CODES, CLIMATE GEOGRAPHIC DESIGN, STRIKERIA, AND ANY OTHER PROVISIONS THAT MAY BE REQUIRED BY VA/THA/RD.

THE CONTRACTOR SHALL VERIFY PLAN DIMENSIONS, STRUCTURAL COMPONENTS, AND GENERAL SPECIFICATIONS CONTAINED IN THIS SET OF PLANS AND REPORT ANY DISCREPANCIES TO STANDARD HOMES PLAN SERVICE, INC. FOR JUSTIFICATION OR CORRECTION BEFORE PROCEEDING WITH WORK ON HOUSE.

THE CONTRACTOR SHALL DETERMINE ROUGH OPENING SIZES FOR ALL BUILT-IN EQUIPMENT AND/OR FACILITIES AND ADJUST PLAN DIMENSIONS AS REQUIRED.

DO NOT SCALE FROM BLUEPRINTS. REFER TO THE LABELED DIMENSIONS FOR ACTUAL MEASUREMENTS.

IT SHALL BE THE RESPONSIBILITY OF THE OWNER/BUILDER TO PROVIDE FOR THE SERVICES OF A PROFESSIONAL ENGINEER IF REQUIRED BY THE BUILDING CODE OFFICIAL.

### SHIPPING DATE : \_\_\_\_\_

STAMP MUST APPEAR IN RED. PLANS FOR WHICH A BUILDING PERMIT HAS NOT BEEN OBTAINED ONE YEAR FROM THE ABOVE DATE IS SUBJECT TO REVIEW BY STANDARD HOMES PLAN SERVICE, INC. A FEE MAY BE CHARGED FOR THIS SERVICE.

### 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.

### CRAWL SPACE

ALL GIRDER JOINTS AND ENDS OF GIRDERS SHALL REST ON SOLID BEARINGS. FILL CORES OF HOLLOW MASONRY TO FOOTING WITH CONCRETE. FILL TOP COURSE CORES OF EXTERIOR FOUNDATION WALL WITH CONCRETE.

FOOTINGS SHALL EXTEND 6" AND SHALL BE 12" THICK UNDER GIRDER PIERS.

CHIMNEY FOOTING SHALL EXTEND 12" MINIMUM BEYOND EACH SIDE AND SHALL BE AT LEAST 12" THICK.

### 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 : 2950Fb-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 NAILED 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'-3"

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 KITCHEN BASE CABINETS 42" ABOVE FINISHED FLOOR.

### EMERGENCY EGRESS REQUIREMENTS

IT SHALL BE THE RESPONSIBILITY OF THE OWNER/BUILDER TO VERIFY CONFORMITY WITH EGRESS REQUIREMENTS BASED ON SPECIFICATIONS PROVIDED BY WINDOW MANUFACTURER.

2018 NORTH CAROLINA RESIDENTIAL CODE

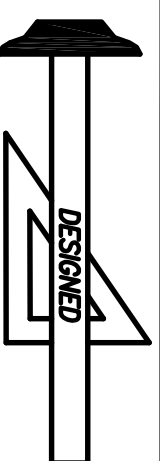
THE REQUIRED EGRESS WINDOW FROM EVERY SLEEPING ROOM SHALL HAVE A SILL HEIGHT OF NOT MORE THAN 44 INCHES ABOVE FINISHED FLOOR. THE NET CLEAR OPENING SHALL NOT BE LESS THAN 4.0 SQUARE FEET WHERE THE NET CLEAR OPENING HEIGHT SHALL BE AT LEAST 22 INCHES AND THE NET CLEAR OPENING WIDTH SHALL BE AT LEAST 20 INCHES. IN ADDITION THE MINIMUM TOTAL GLASS AREA SHALL NOT BE LESS THAN 5.0 SQUARE FEET IN THE CASE OF A GROUND STORY WINDOW AND NOT LESS THAN 5.7 SQUARE FEET IN THE CASE OF A SECOND STORY WINDOW.

2015 INTERNATIONAL RESIDENTIAL CODE

THE REQUIRED EGRESS WINDOW FROM EVERY SLEEPING ROOM SHALL HAVE A SILL HEIGHT OF NOT MORE THAN 44 INCHES ABOVE FINISHED FLOOR. ALL EMERGENCY ESCAPE AND RESCUE OPENINGS SHALL HAVE A MINIMUM NET CLEAR OPENING OF 5.7 SQUARE FEET EXCEPT GRADE FLOOR OPENINGS SHALL HAVE A MINIMUM NET OPENING OF 5 SQUARE FEET. THE MINIMUM NET CLEAR OPENING HEIGHT SHALL BE 24 INCHES. THE MINIMUM NET CLEAR OPENING WIDTH SHALL BE 20 INCHES



**NOTE: REC ROOM WINDOW MUST MEET EGRESS, EVEN THOUGH THE ROOM IS UNFINISHED. 4/6th MAY NOT OPEN HIGH ENOUGH TO MEET MINIMUM 22" REQUIREMENT. FIELD VERIFY!**

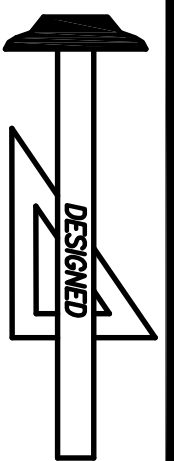


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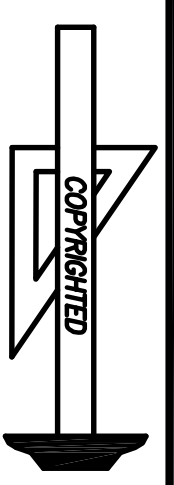


| DESIGNED FOR         | PLAN  | NO. | MAT'L | SHOWN | SHEET  |
|----------------------|-------|-----|-------|-------|--------|
| SERENITY BUILT HOMES | KAREN | 2   | SID.  | REV.  | 1 OF 9 |

03-08-2022

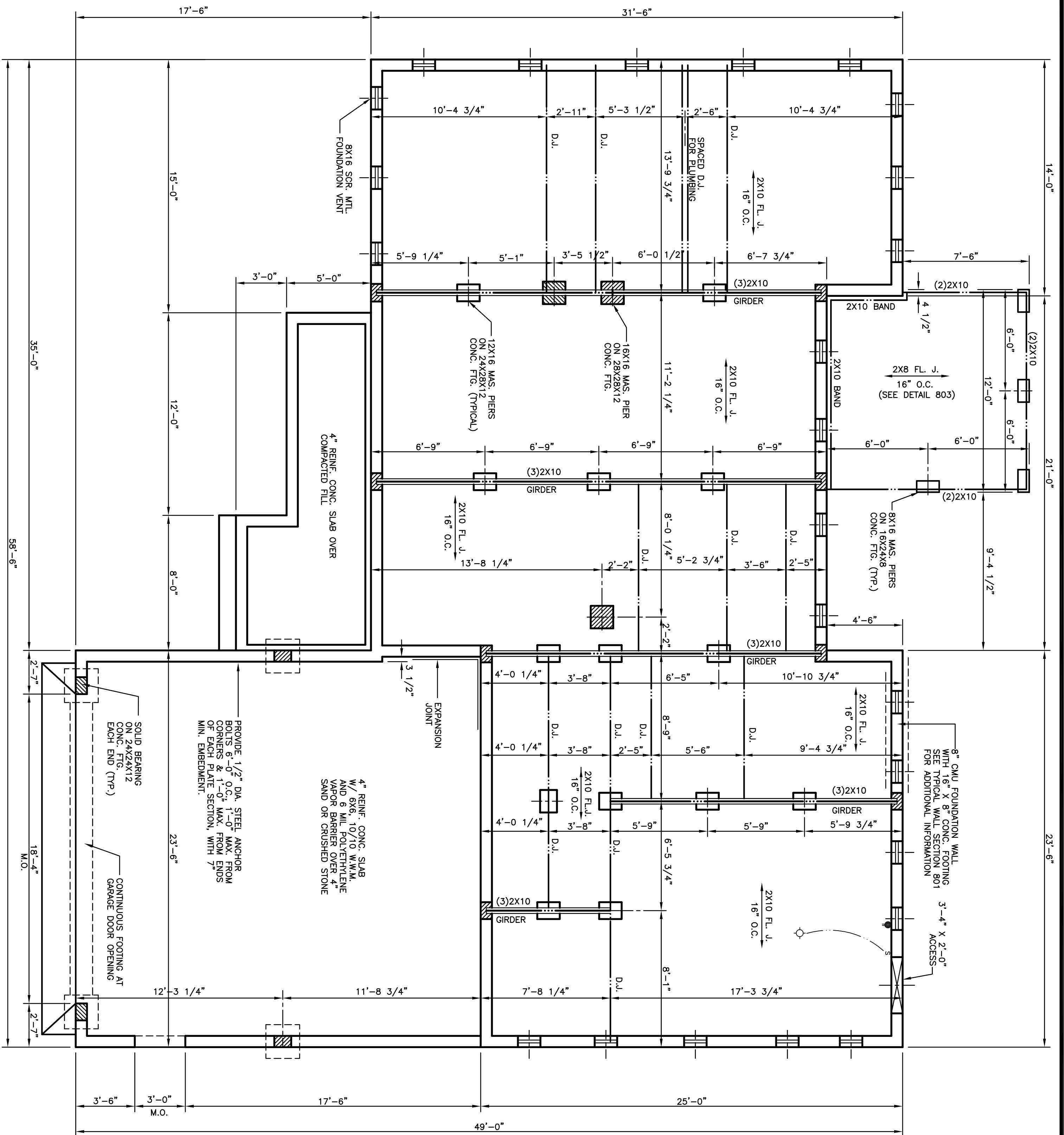


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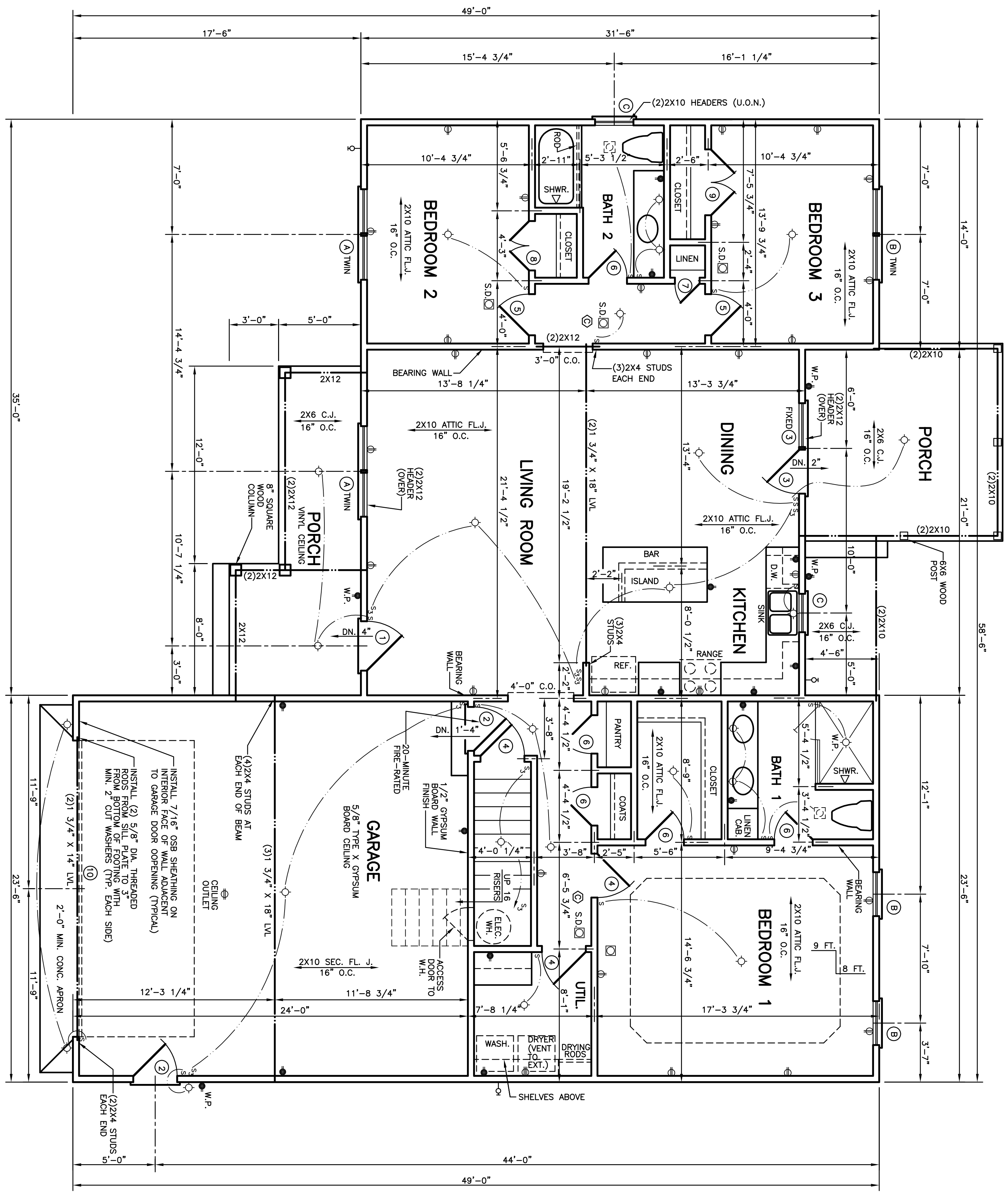
DESIGNED FOR  
 SERENITY BUILT HOMES

PLAN NO. MAT'L SHOWN SHEET  
 KAREN 2 SID. REV. 2 OF 9



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

FOUNDATION VENTILATION REQUIREMENTS:  
 1598 SQ. FT. -- 150 = 10.7 SQ. FT. NET  
 FREE AREA REQ'D.  
 PROVIDE 24 VENTS WITH A MINIMUM OF 64  
 SQUARE INCHES NET FREE AREA PER VENT.



WINDOW SCHEDULE

|   |                        |   |                          |   |  |   |  |
|---|------------------------|---|--------------------------|---|--|---|--|
| A | 2'-8" X 5'-2" WD. D.H. | D | 3'-0" X 4'-6" WD. D.H.   | G |  | L |  |
| B | 2'-8" X 4'-6" WD. D.H. | E | 1'-8" X 4'-6" WD. D.H.   | H |  | M |  |
| C | 2'-4" X 3'-2" WD. D.H. | F | 1'-8" X 2'-10" WD. FIXED | K |  | N |  |

DOOR SCHEDULE

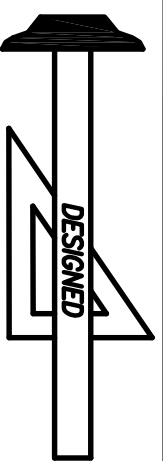
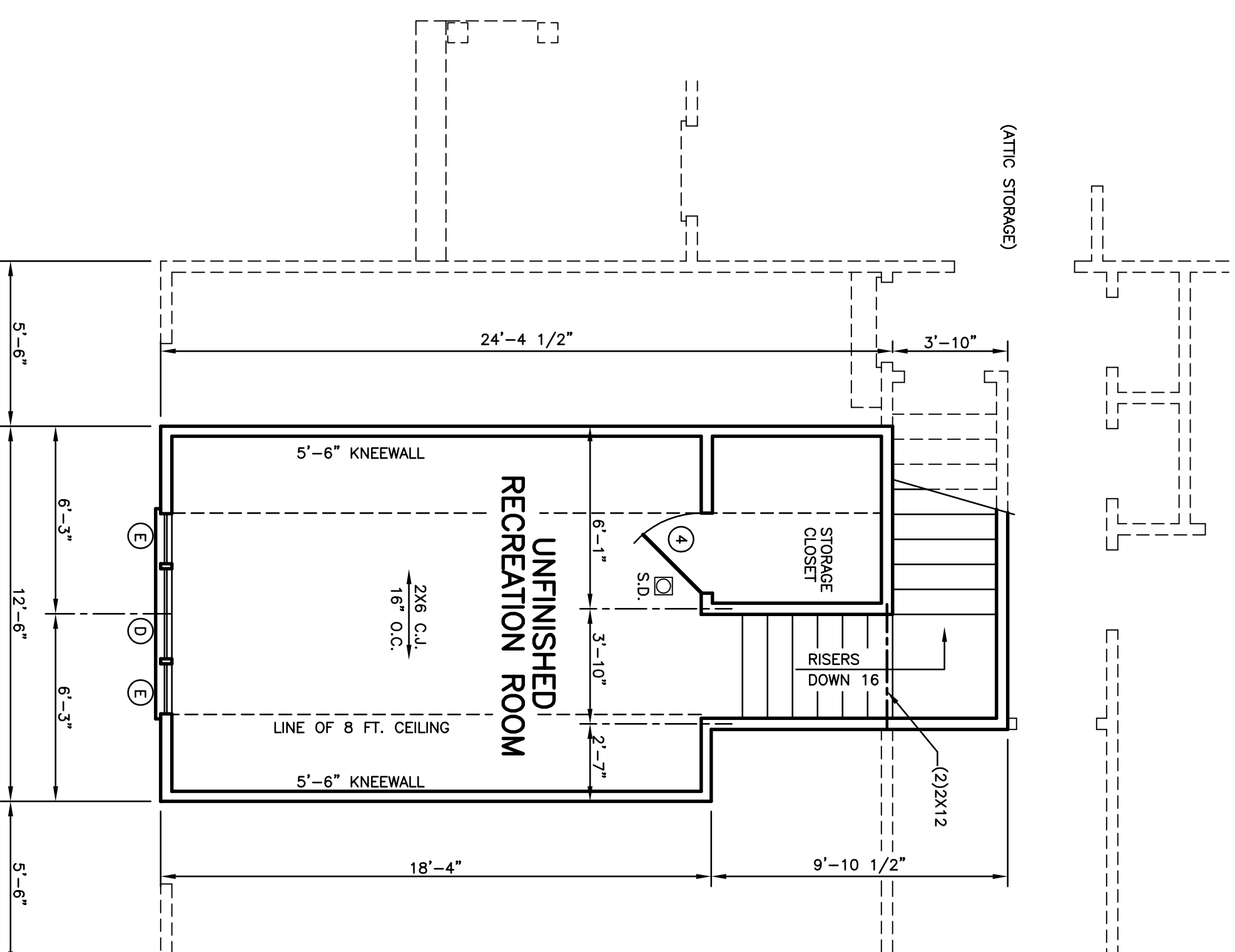
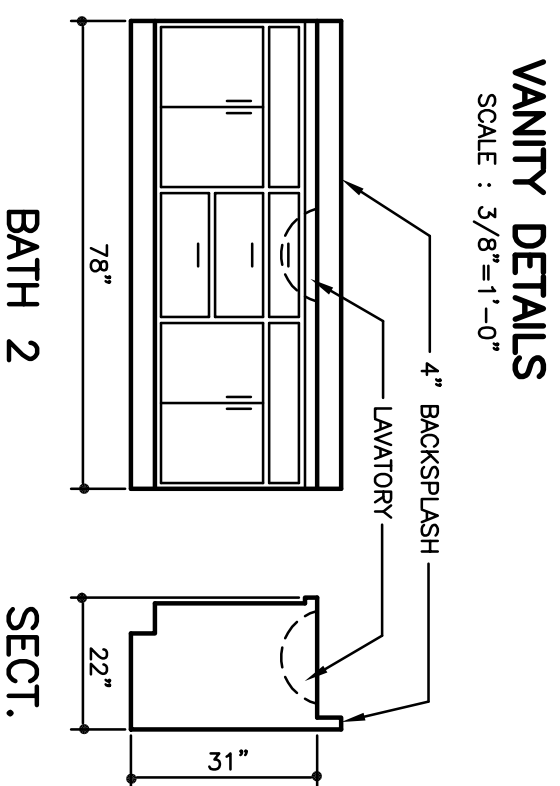
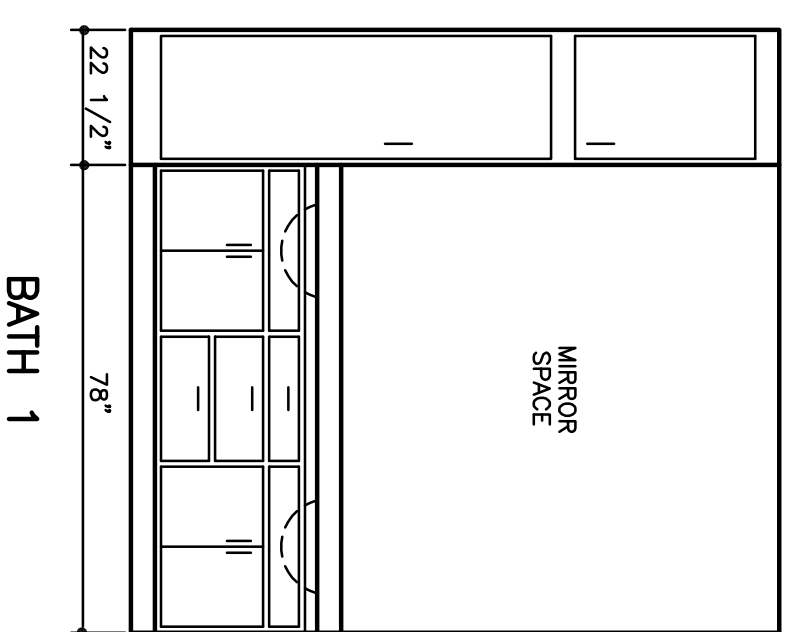
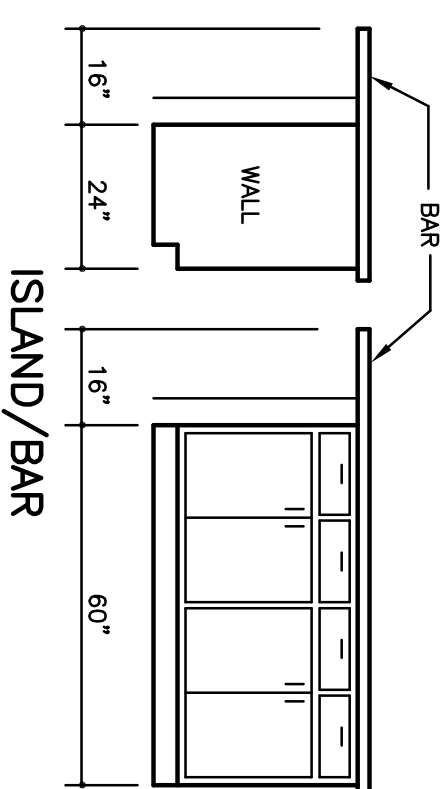
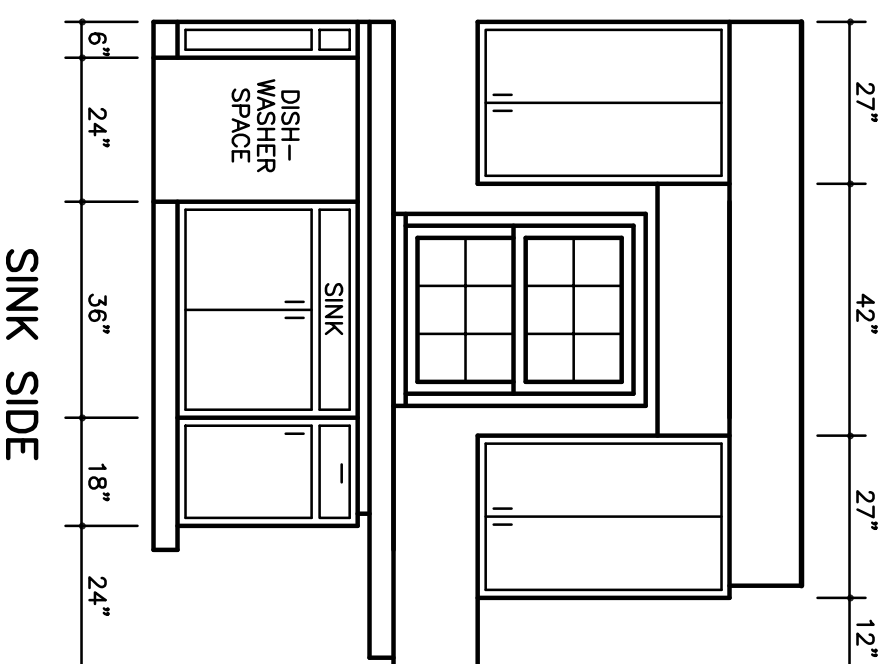
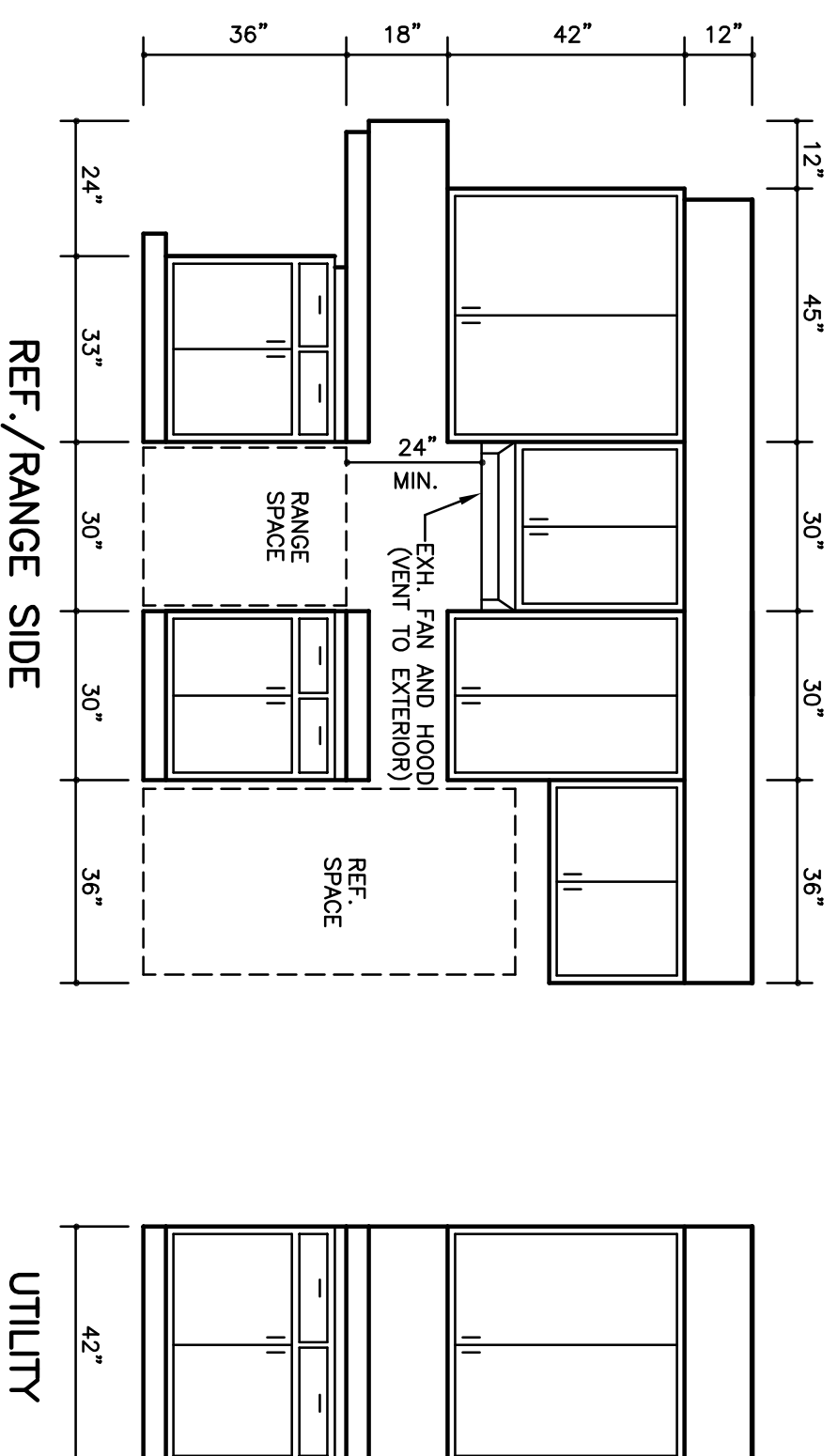
|   |                        |   |                        |   |                        |    |                       |
|---|------------------------|---|------------------------|---|------------------------|----|-----------------------|
| 1 | 3'-0" X 6'-8" X 1 3/4" | 4 | 2'-8" X 6'-8" X 1 3/8" | 7 | 1'-6" X 6'-8" X 1 3/8" | 10 | 18'-0" X 7'-0" GARAGE |
| 2 | 2'-8" X 6'-8" X 1 3/4" | 5 | 2'-6" X 6'-8" X 1 3/8" | 8 | 3'-0" X 6'-8" X 1 3/8" | 11 |                       |
| 3 | 2'-8" X 6'-8" X 1 3/4" | 6 | 2'-4" X 6'-8" X 1 3/8" | 9 | 4'-0" X 6'-8" X 1 3/8" | 12 |                       |

**FLOOR PLAN**

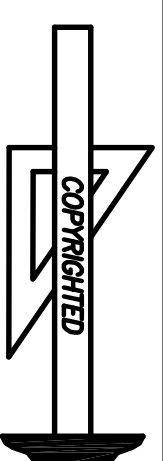
SCALE: 1/4" = 1'-0"  
 HEATED AREA: 1598 SQ. FT. IN SIDING  
 UNFINISHED RECREATION ROOM: 262 SQ. FT.  
 GARAGE: 562 SQ. FT.  
 SCREENED PORCH: 142 SQ. FT.  
 FRONT PORCH: 124 SQ. FT.  
 CEILING HEIGHT: 9 FT. DOWNSTAIRS;  
 8 FT. RECREATION ROOM

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 DESIGNED FOR SERENITY BUILT HOMES  
**KAREN** NO. **2** MATERIAL **SID.REV** SHEET **3 OF 9**

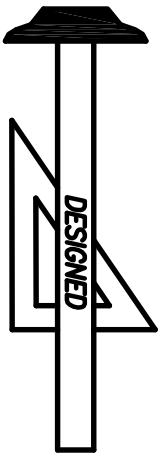
**KITCHEN CABINET ELEVATIONS**  
 SCALE : 3/8"=1'-0"  
 FOR SECTION THRU CABINETS.  
 SEE DETAIL ON COVER SHEET.



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|                      |       |     |           |        |       |
|----------------------|-------|-----|-----------|--------|-------|
| DESIGNED FOR         | PLAN  | NO. | MAT'L     | SHOWN  | SHEET |
| SERENITY BUILT HOMES | KAREN | 2   | SID. REV. | 4 OF 9 |       |

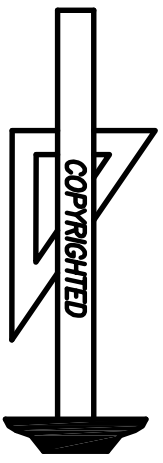


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PLAN  
KAREN

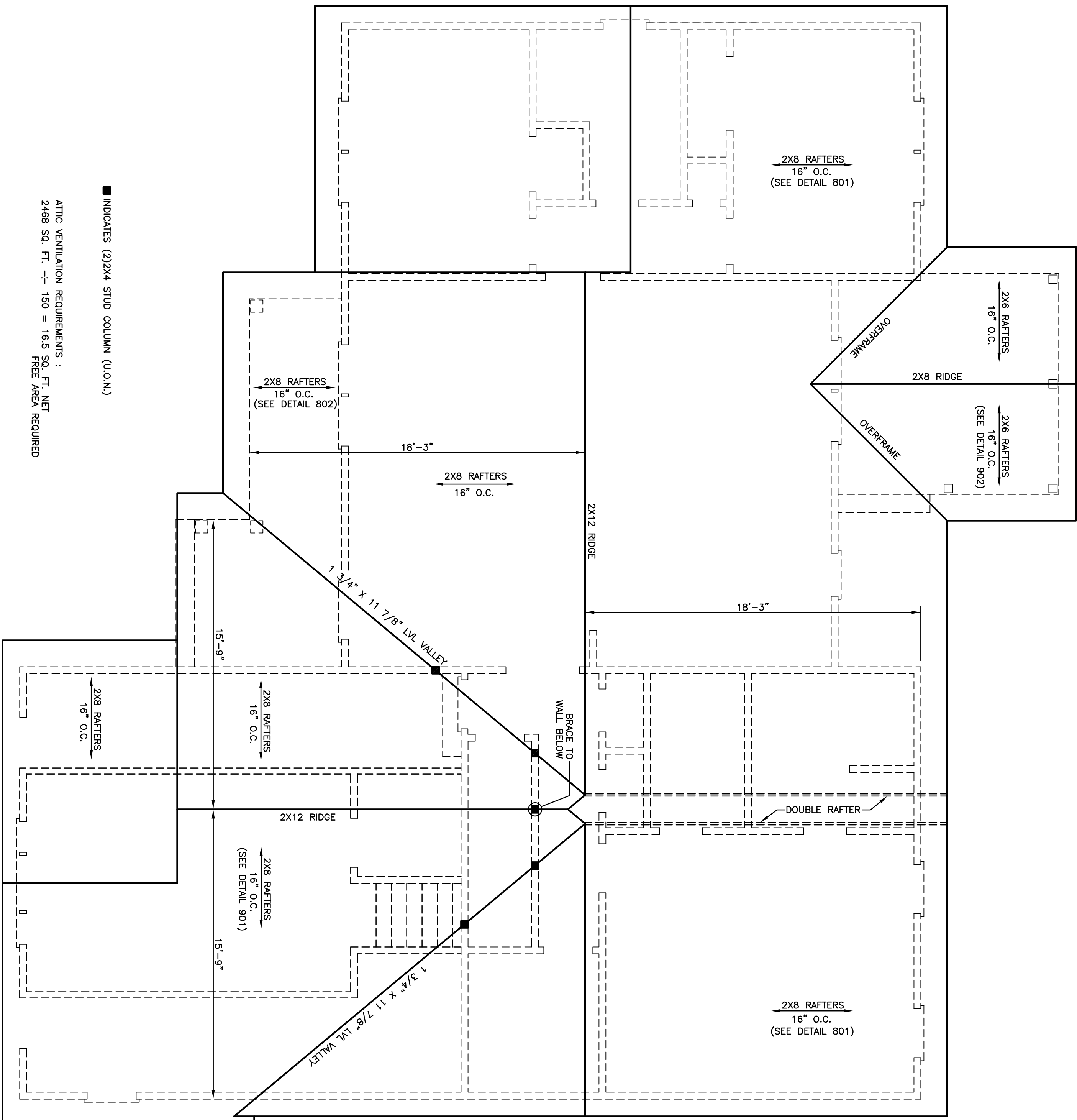
NO.  
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5 OF 9

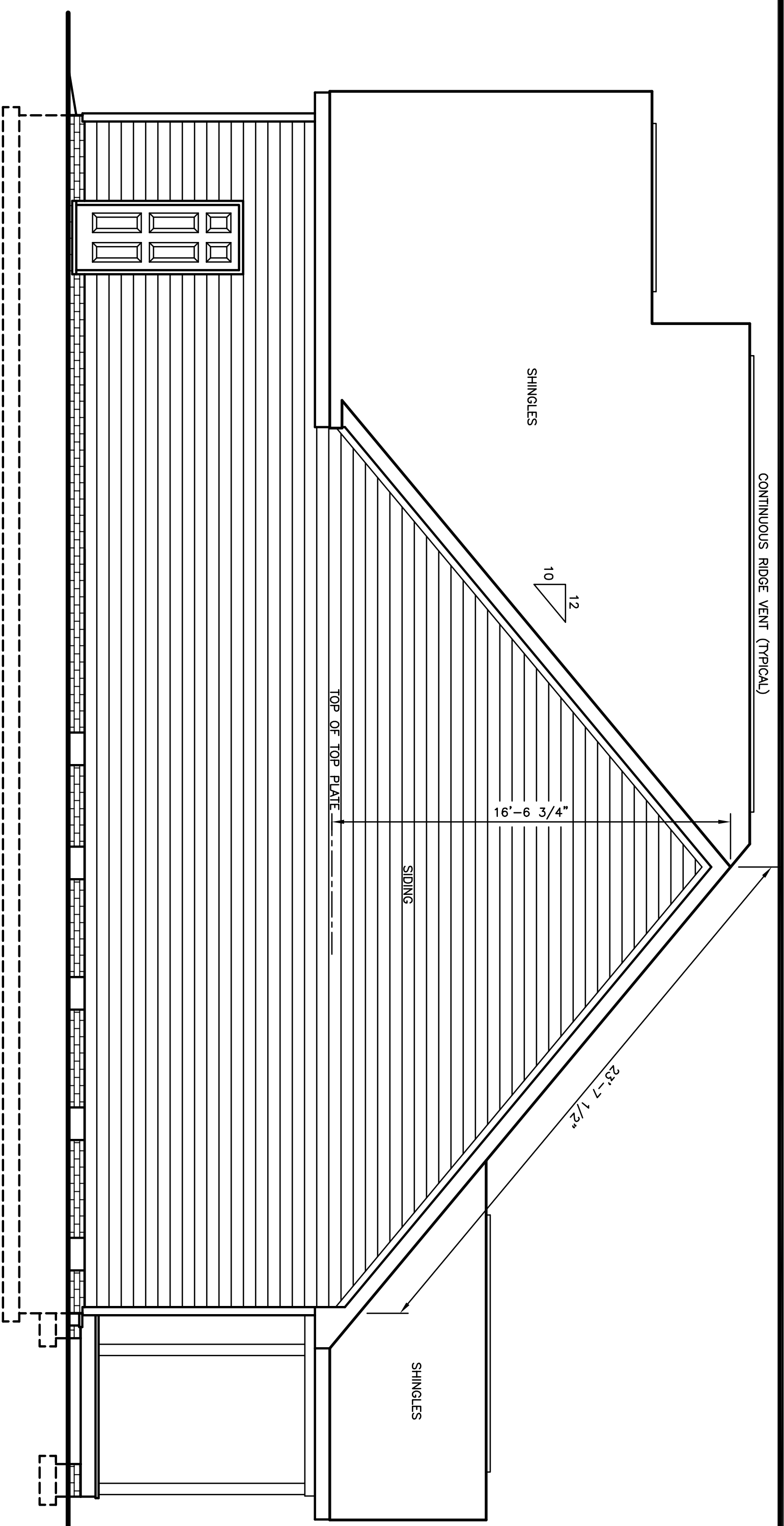
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ROOF PLAN  
SCALE: 1/4" = 1'-0"

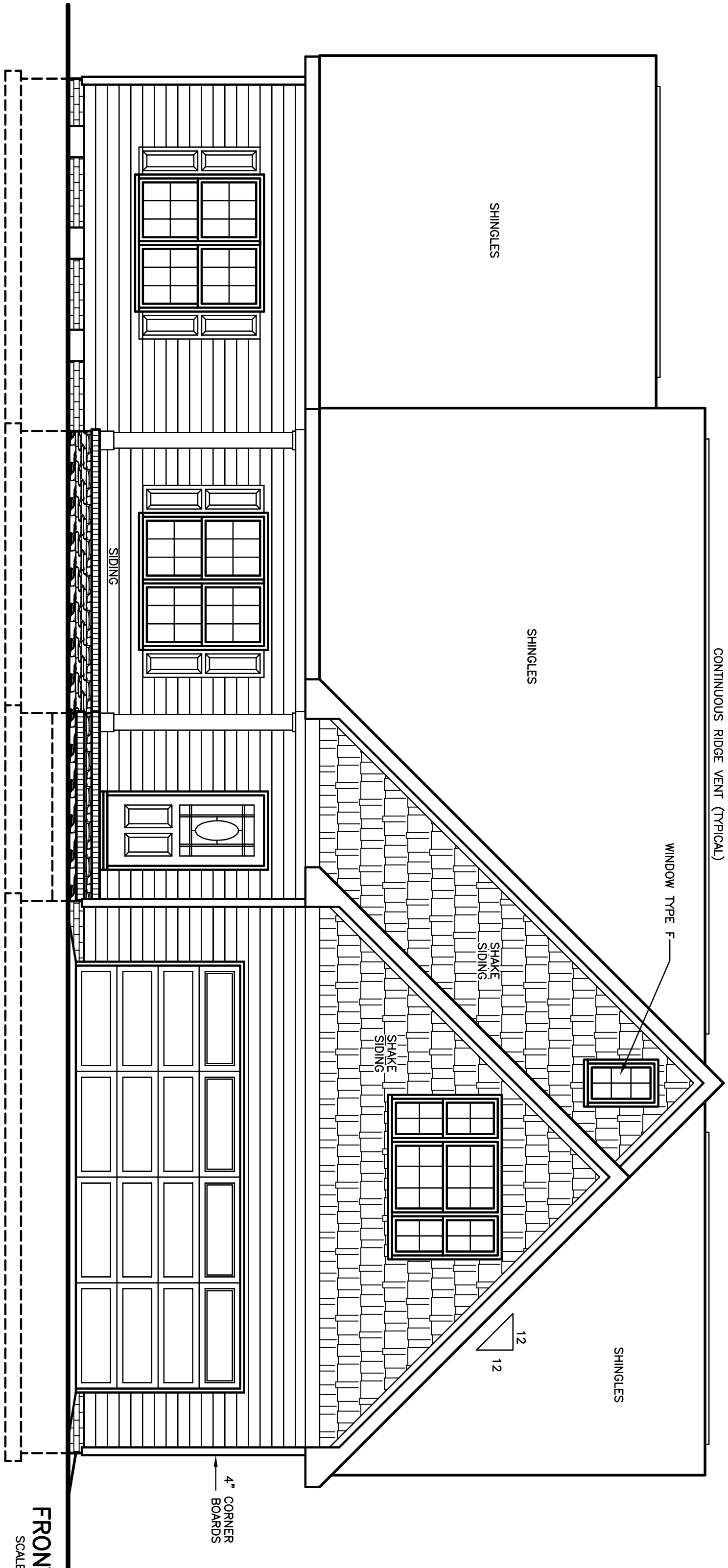
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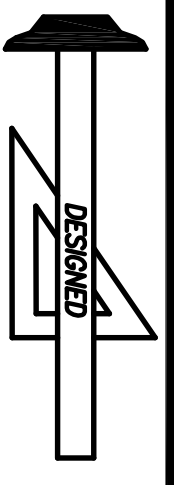


PROVIDE GUTTERS, DOWNSPOUTS AND SPLASHPADS  
 ACCORDING TO LOCAL CODE AND RAINFALL CONDITIONS.  
 ALL SPLASHPADS SHALL CARRY WATER 60"  
 FROM BUILDING.

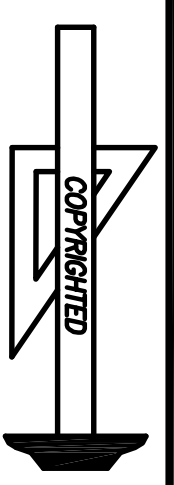
**RIGHT SIDE ELEVATION**  
 SCALE: 1/4" = 1'-0"



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



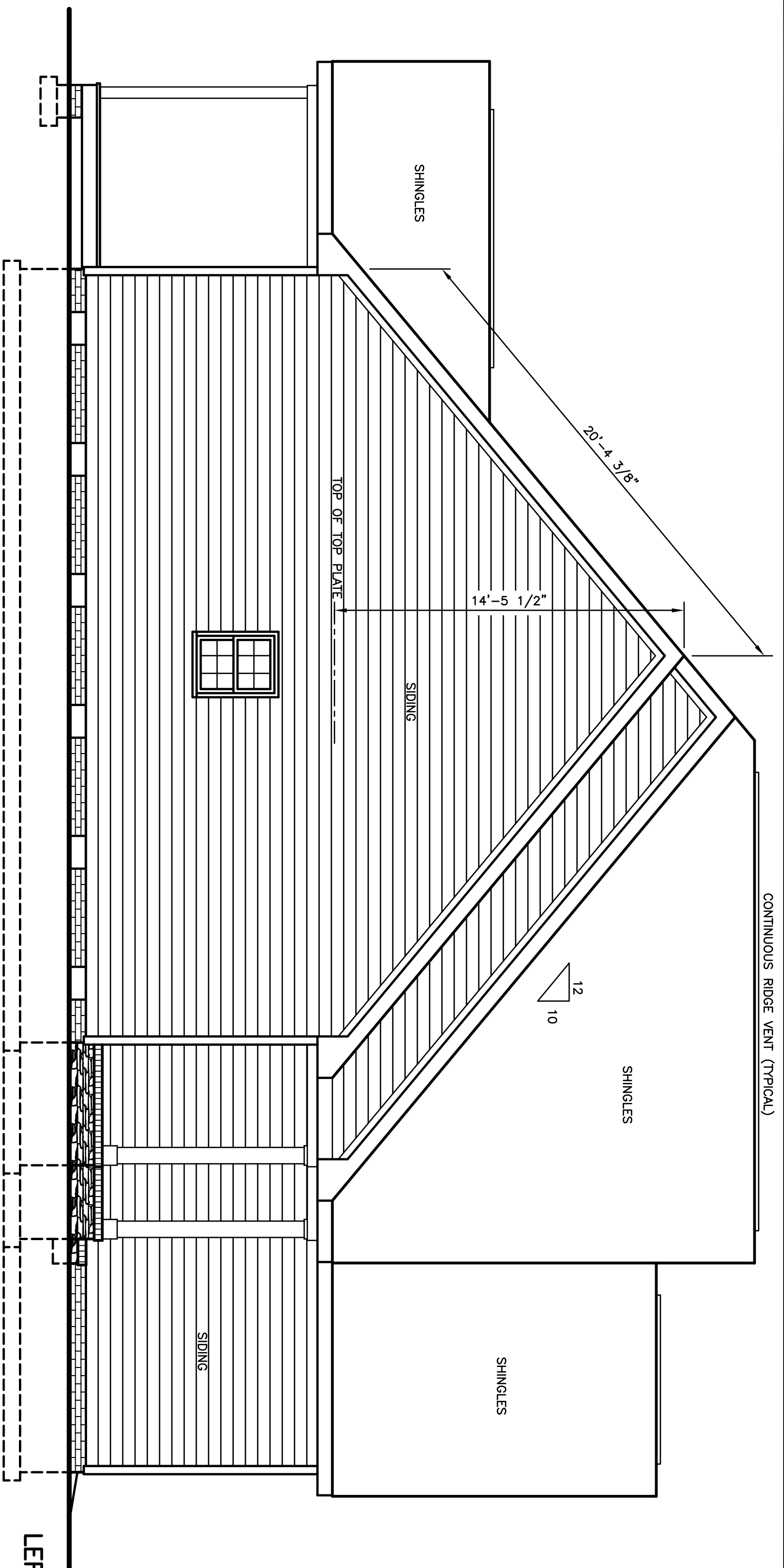
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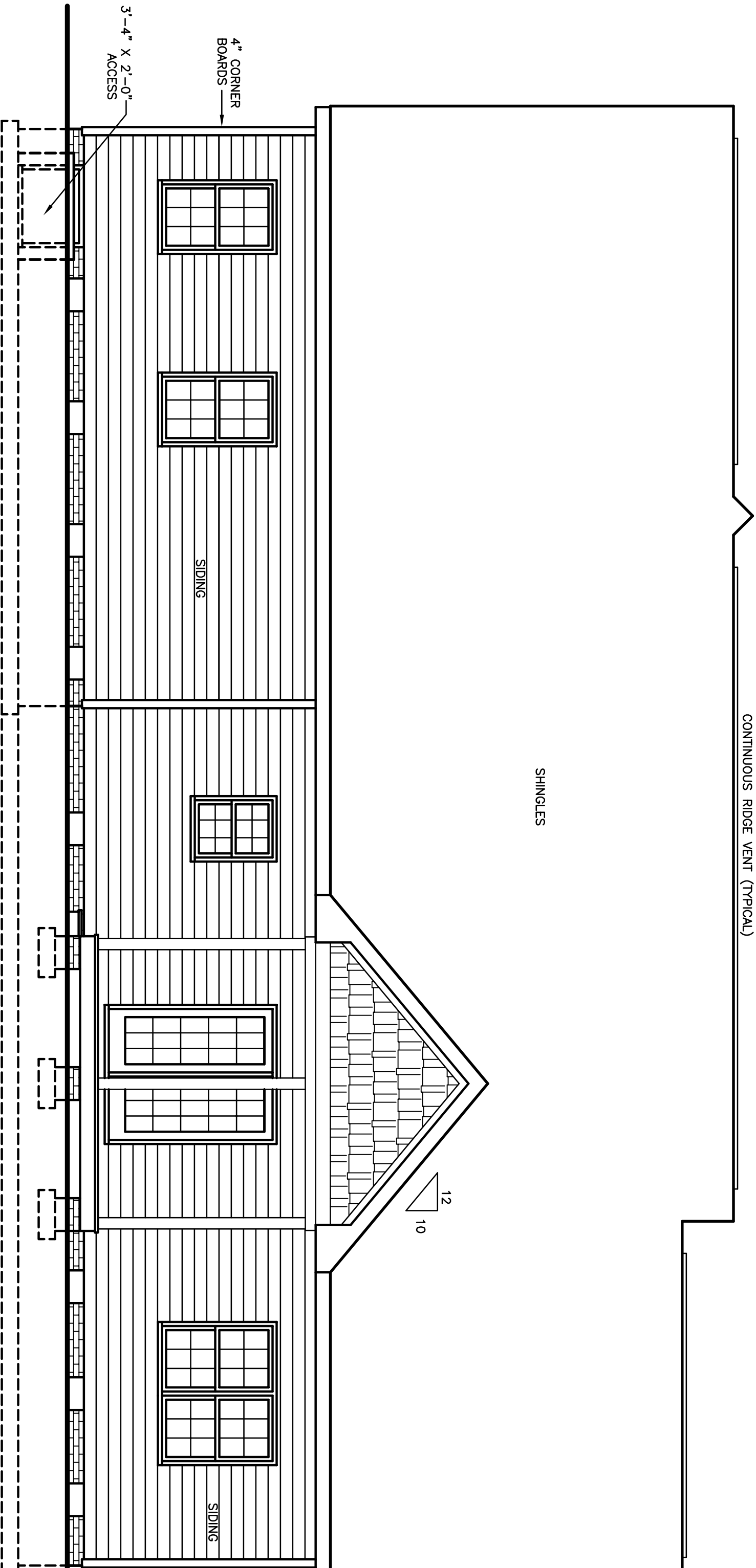
| PLAN  | NO. | MAT'L | SHOWN | SHEET  |
|-------|-----|-------|-------|--------|
| KAREN | 2   | SID.  | REV.  | 6 OF 9 |

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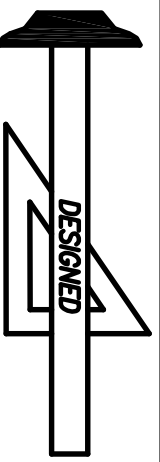
LEFT SIDE ELEVATION

SCALE: 1/4" = 1'-0"



REAR ELEVATION

SCALE: 1/4" = 1'-0"



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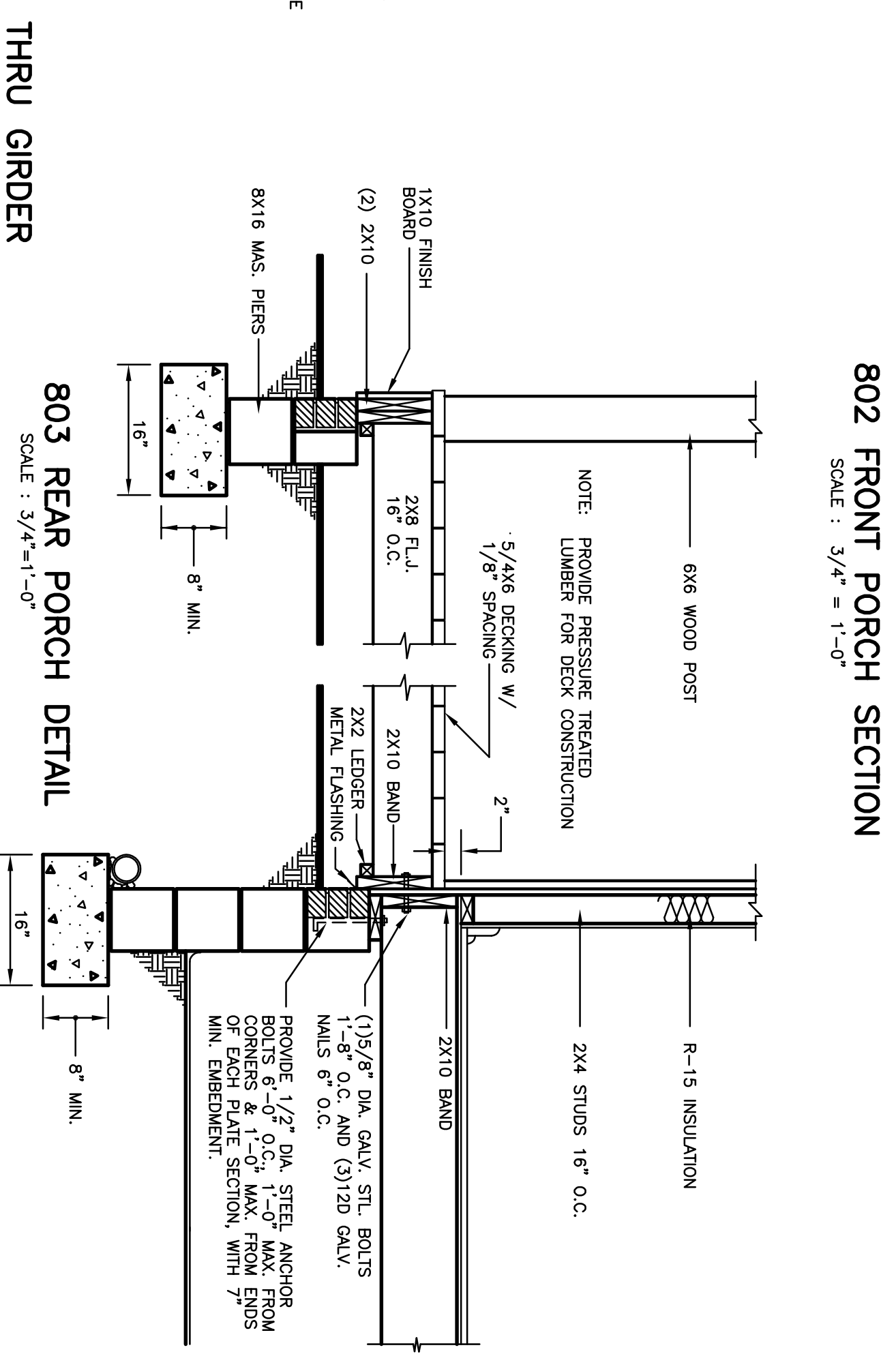
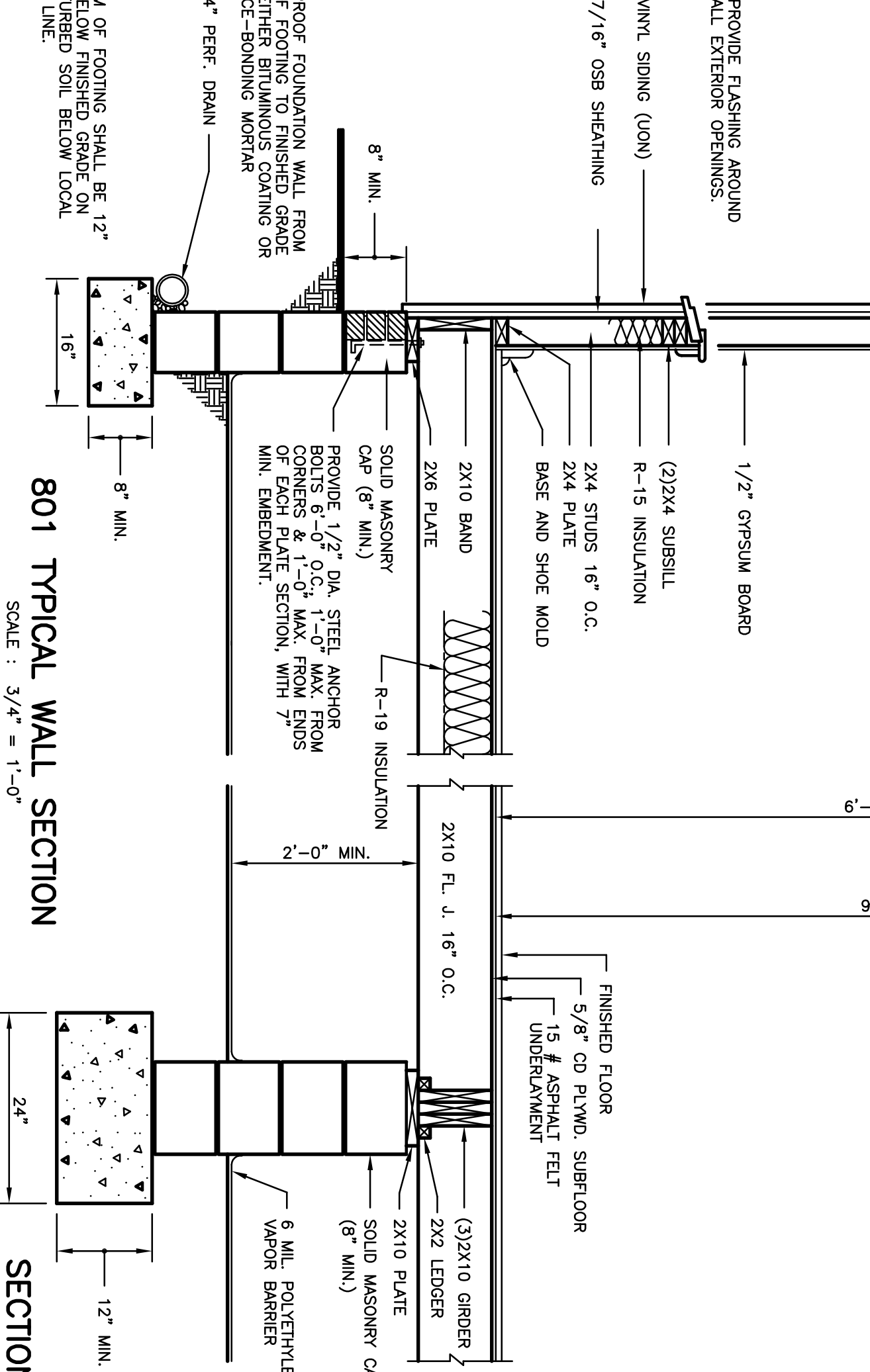
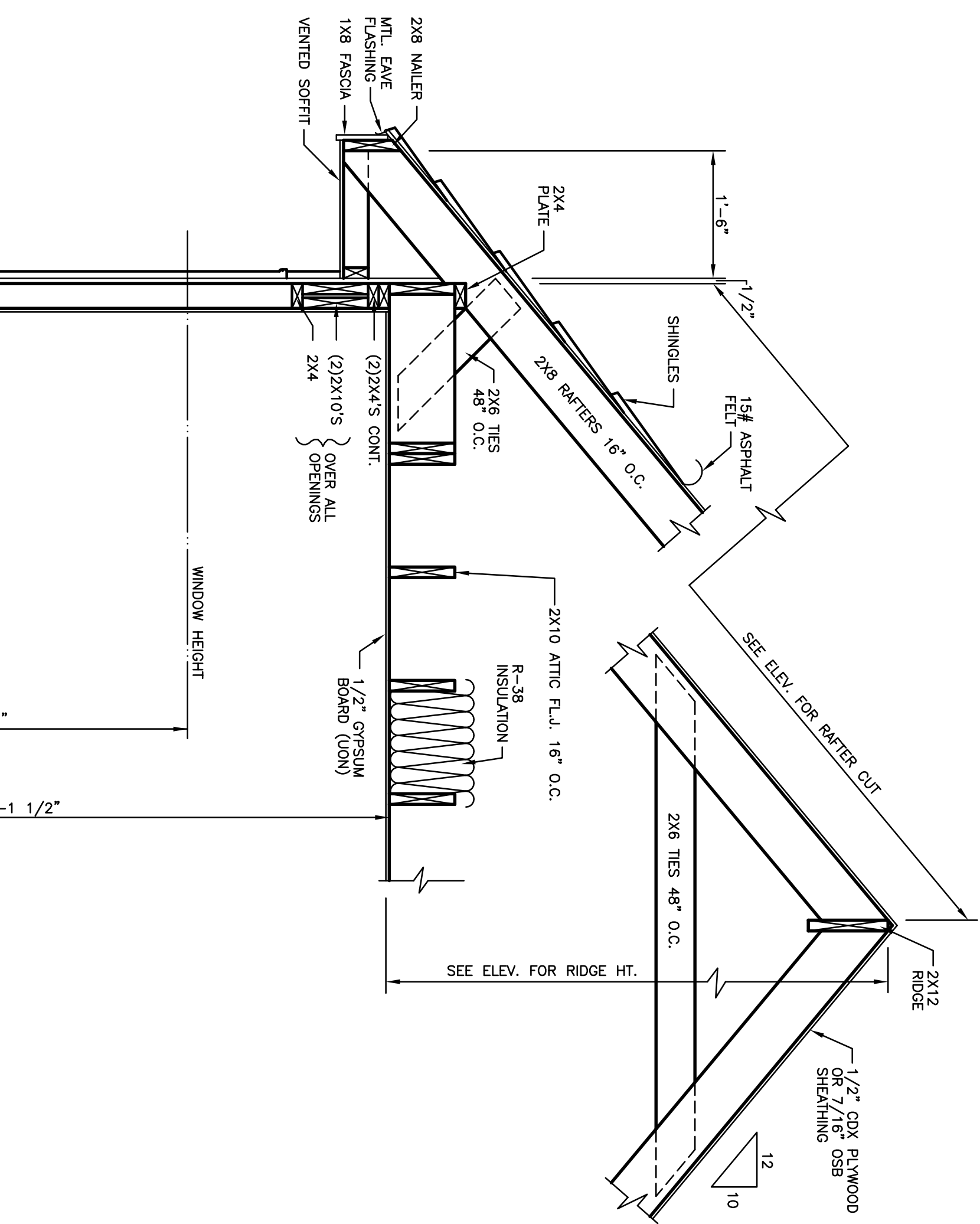
PLAN  
KAREN

NO.  
2

MAT'L  
SID. REV.

SHOWN  
7 OF 9

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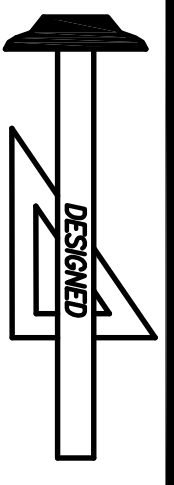


801 TYPICAL WALL SECTION  
SCALE : 3/4" = 1'-0"

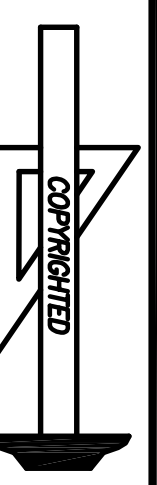
SECTION THRU GIRDER

802 FRONT PORCH SECTION  
SCALE : 3/4" = 1'-0"

803 REAR PORCH DETAIL  
SCALE : 3/4" = 1'-0"



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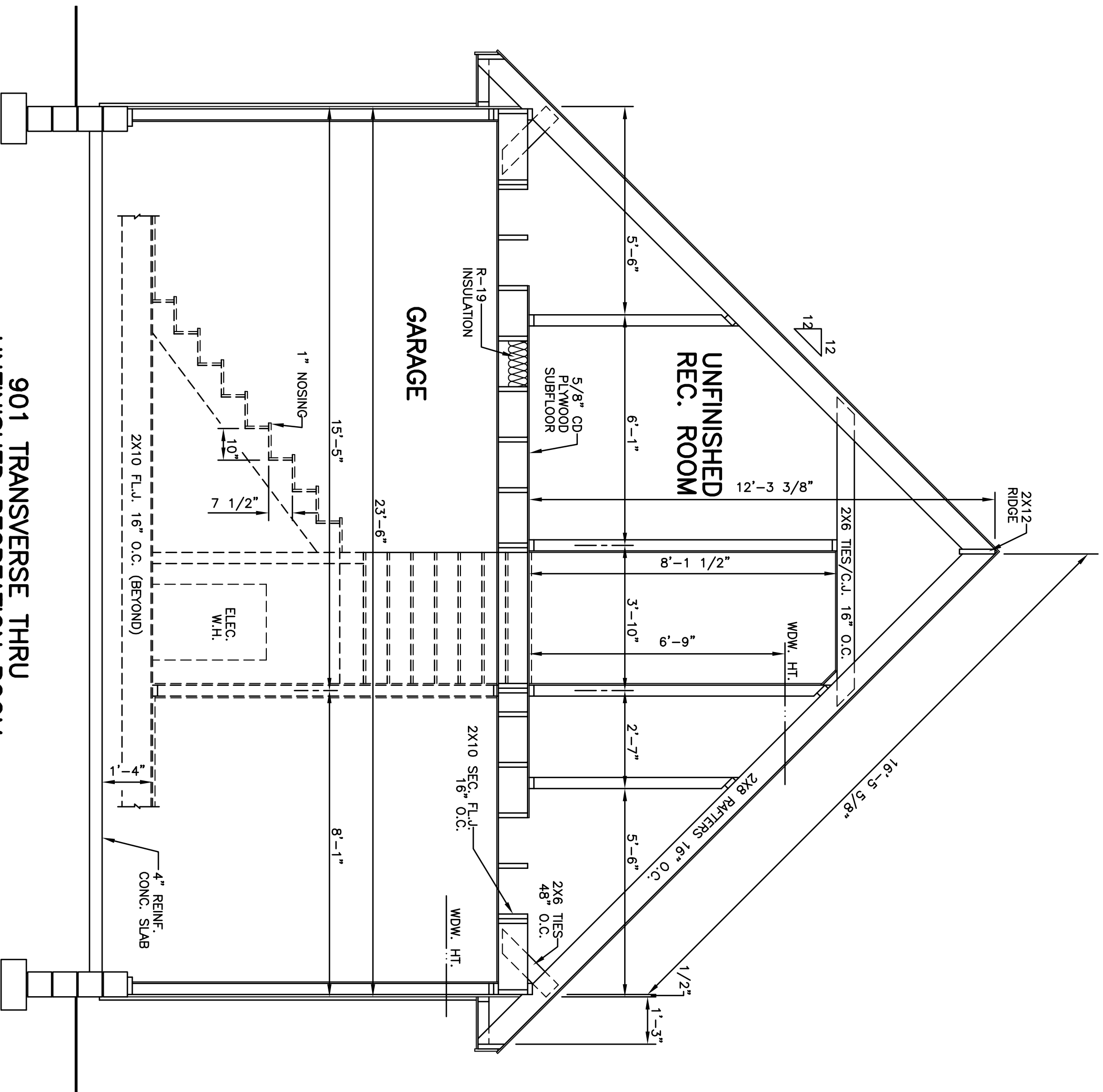


DESIGNED FOR  
SERENITY BUILT HOMES

PLAN  
KAREN

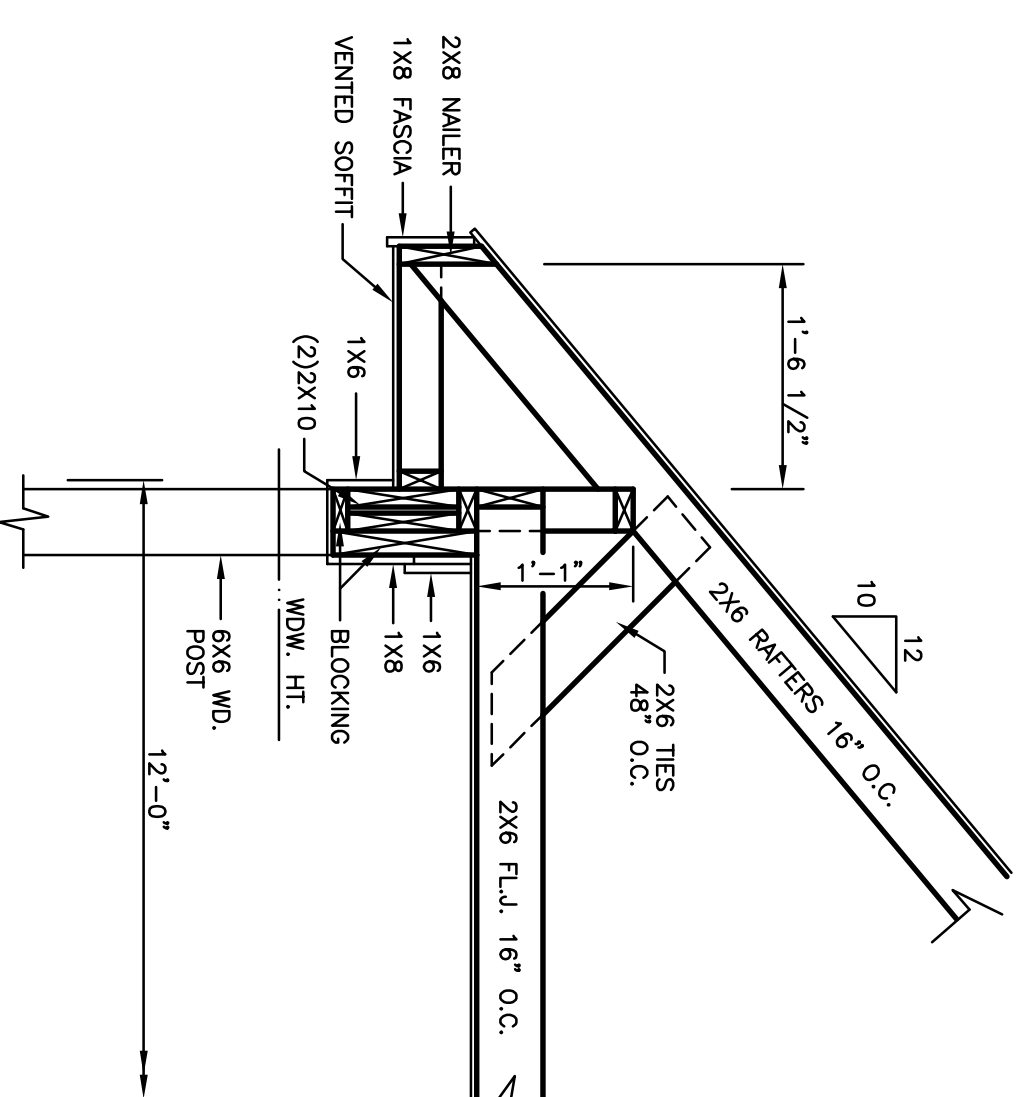
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| NO. | MAT'L | SHOWN | SHEET  |
| 2   | SID.  | REV.  | 8 OF 9 |





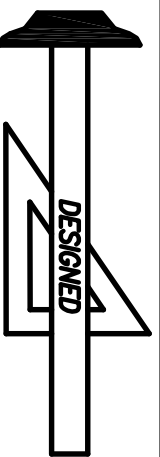
901 TRANSVERSE THRU  
UNFINISHED RECREATION ROOM

SCALE: 3/8" = 1'-0"



902 SECT. THRU SCREENED PORCH

SCALE: 3/4" = 1'-0"

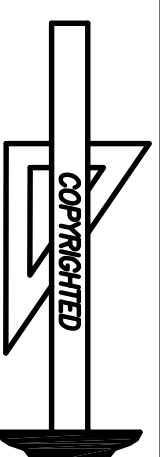


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KAREN

NO.

2

MAT'L SHOWN

SID. REV.

SHEET

9 OF 9

03-08-2022