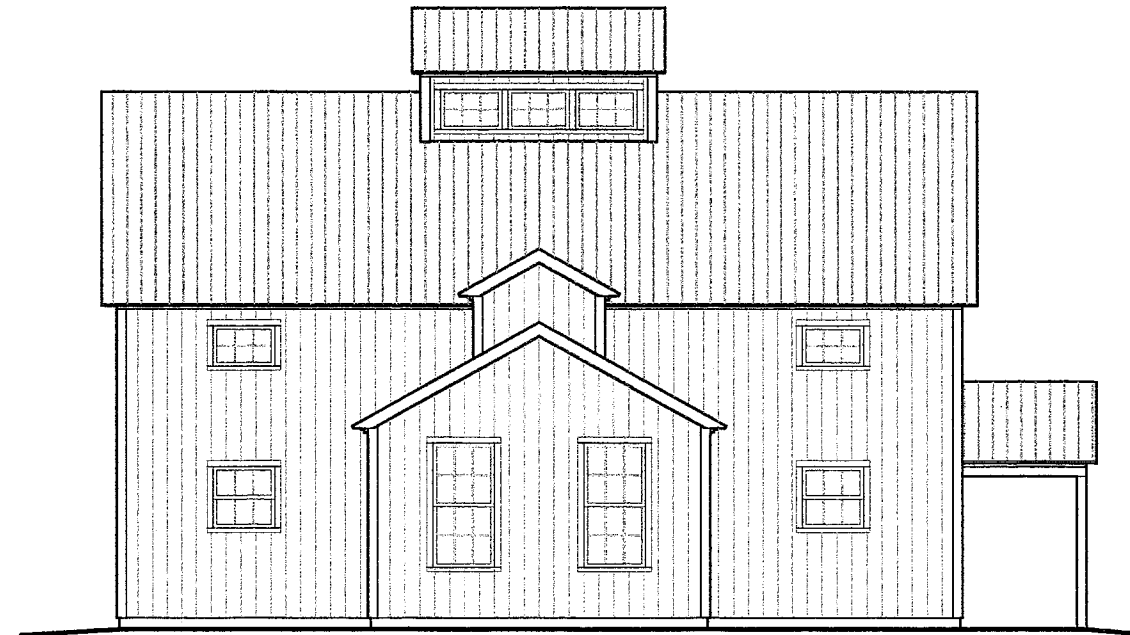




# MCGRAW - DUNN GEOBARN



PROJECT  
McGraw - Dunn  
Geobarn

ARCHITECT OF RECORD

BUILDER  
Geobarns, LLC  
923 Kings Highway  
White River Jct., VT 05001  
ph: (603) 359-1912

MEP ENGINEER

STRUCTURAL ENGINEER

REVISIONS: xx/xx/xx

DATE	DESCRIPTION

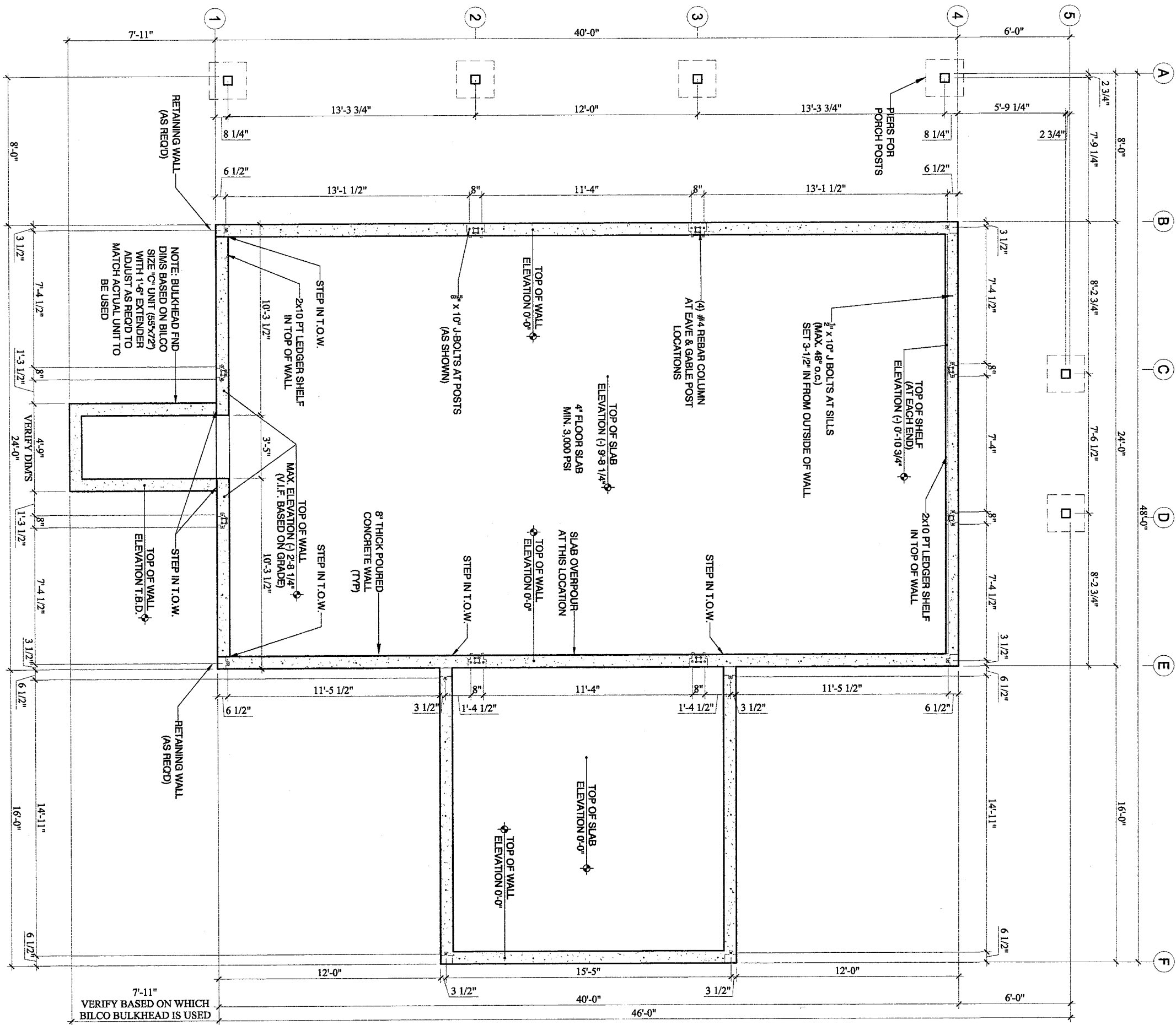
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COVER

DATE: 01-07-18  
DRAWN: TFD  
SCALE: SCALE AS NOTED  
WHEN PRINTED AT 11x17

SHEET No.

A1.0



**FOUNDATION LAYOUT**

SCALE: 3/16" = 1'-0"

PROJECT  
McGraw - Dunn  
Geobarn

ARCHITECT OF RECORD

BUILDER  
Geobarns, LLC  
923 Kings Highway  
White River Jct., VT 05001  
ph: (603) 359-1912

MEP ENGINEER

STRUCTURAL ENGINEER

REVISIONS: su/ha/ra

DATE DESCRIPTION

DRAWING TITLE

FOUNDATION LAYOUT

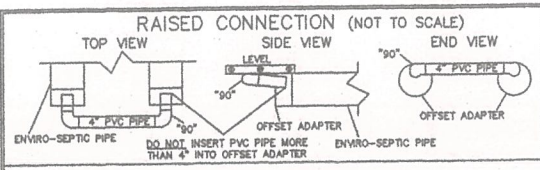
DATE: 01-07-18

DRAWN: TFD

SCALE: SCALE AS NOTED WHEN PRINTED AT 11x17

SHEET No.

**A1.1**

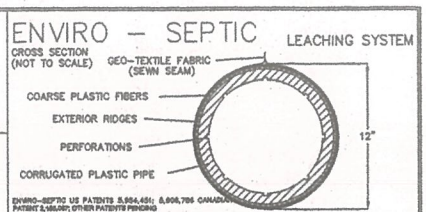


ENVIRO-SEPTIC PIPE ELEVATIONS  
ALL SEVEN (7) ENVIRO-SEPTIC LINES SHALL BE LAID LEVEL

TOP OF PIPE	1267.50
BOTTOM OF PIPE	1266.50

PIPE INDEX

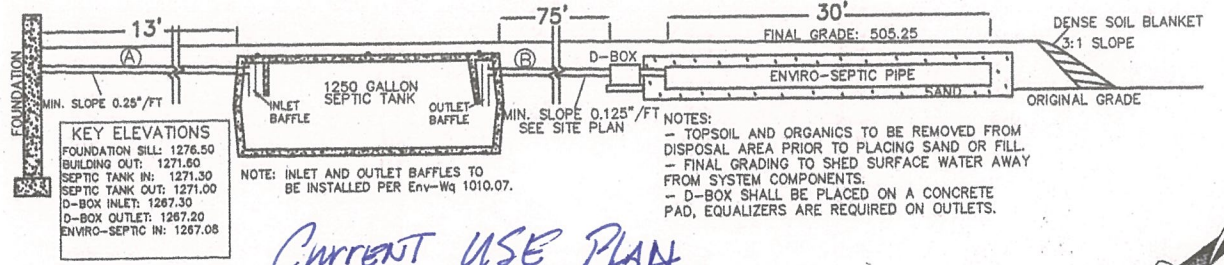
(A) 4" SCH 40 PVC
(B) 4" SOLID S&D PVC



**NOTES**

- 1) SYSTEM TO BE INSTALLED IN ACCORDANCE WITH PRODUCT DESIGN AND INSTALLATION MANUAL STATE AND LOCAL REGULATIONS. FOR PRODUCT INFORMATION OR THE NEAREST DEALER CONTACT PRESBY ENVIRONMENTAL, INC. ROUTE 117 - PO BOX 617 SUGAR HILL, NH 03585 - PHONE 1-800-473-5298 - WWW.PRESBYENVIRONMENTAL.COM
- 2) MINIMUM OF 6" OF MEDIUM TO COARSE SAND WITH LESS THAN 6% PASSING A # 200 SIEVE REQUIRED AROUND CIRCUMFERENCE OF ENVIRO-SEPTIC PIPES. (SEE DESIGN AND INSTALLATION MANUAL FOR COMPLETE SAND AND FILL SPECIFICATIONS.)
- 3) INSTALLER ADVISED TO CONTACT DIG SAFE PRIOR TO CONSTRUCTION.
- 4) DO NOT INSTALL SYSTEM ON FROZEN GROUND OR LEAVE SYSTEM UNCOVERED FOR EXTENDED PERIODS OF TIME.
- 5) NO DRAINS, HOT TUBS, SAUNAS, GARBAGE DISPOSALS ETC., SHALL BE INCORPORATED INTO THIS SYSTEM UNLESS OTHERWISE SPECIFIED.
- 6) MAINTENANCE: RECOMMEND INSPECTION OF SEPTIC TANKS AT LEAST ONCE EVERY TWO YEARS AND CLEAN IF COMBINED THICKNESS OF SLUDGE AND SCUM EQUALS MORE THAN 1/4 OF THE LIQUID DEPTH INSIDE THE TANK.
- 7) THIS DOCUMENT IS FOR THE CONSTRUCTION OF THE EFFLUENT DISPOSAL SYSTEM SHOWN. ANYONE USING INFORMATION FROM THIS DOCUMENT FOR ANY OTHER PURPOSE DOES SO AT THEIR OWN RISK.
- 8) SYSTEM MUST BE CONSTRUCTED IN ACCORDANCE WITH ENV-WS 1000. "APPROVAL FOR CONSTRUCTION" IS VALID FOR 4 YEARS FROM DATE OF ISSUE.

EFFLUENT DISPOSAL SYSTEM (CROSS SECTION - NOT TO SCALE)

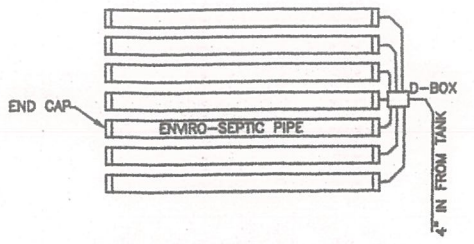


KEY ELEVATIONS

FOUNDATION SILL:	1276.50
BUILDING OUT:	1271.60
SEPTIC TANK IN:	1271.30
SEPTIC TANK OUT:	1271.00
D-BOX INLET:	1267.30
D-BOX OUTLET:	1267.20
ENVIRO-SEPTIC IN:	1267.08

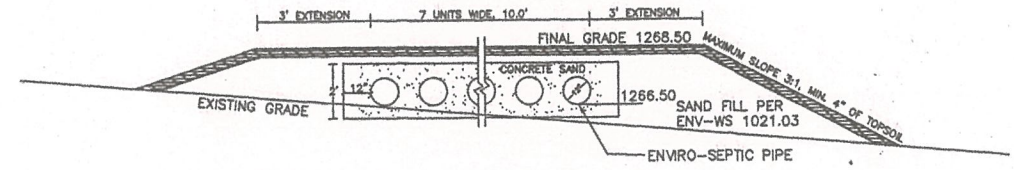
**Current USE PLAN**

DRIVEWAY = 5200 sqft  
SEPTIC = 4000 sqft  
HOUSE = 18,800 sqft  
YARD  
TOTAL APPROX 28,000 sqft  
0.50 ACRES



PIPE CONFIGURATION, TOP VIEW NOT TO SCALE

EFFLUENT DISPOSAL AREA CROSS SECTION A-A - NOT TO SCALE (LEVEL DISPOSAL AREA)



- NOTES**
- 1, IF SYSTEM SHOULD FAIL IT WILL BE REBUILT IN SAME LOCATION.
  - 2, ALL JOINTS ARE TO BE SEALED AND GROUTED.
  - 3, NO SURFACE WATER WITHIN 75' RADIUS OF SEPTIC SYSTEM.
  - 4, [1268] DENOTES CONSTRUCTION CONTOUR.

**DESIGN INTENT**

- 1) THE BOTTOM OF THE EFFLUENT DISPOSAL SYSTEM (EDS) SHALL BE CONSTRUCTED AT ELEVATION 1266.50
- 2) THIS IS APPROXIMATELY 0.50' HIGHER THAN ORIGINAL GROUND ON THE HIGH CONTOUR OF THE DESIGNED EDS.
- 3) THE DESIGN INTENT IS TO MAINTAIN A MINIMUM OF 2.5 FEET ABOVE THE ESHWT.

NEW HAMPSHIRE  
Designer of  
Subsurface Disposal  
Systems  
Christopher T. Paton  
No. 1402  
Member of Environmental Society

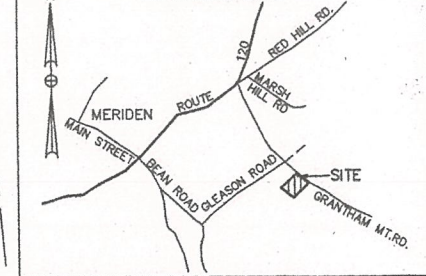
**DESIGN CRITERIA**

- NUMBER OF BEDROOMS: 4
- PERCOLATION RATE: 8.0 MIN. / IN.
- ENVIRO-SEPTIC PIPE REQUIRED: 200 LINEAR FEET
- ENVIRO-SEPTIC PIPE PROVIDED: 210 LINEAR FEET
- INSTALL 7 LINES OF ENVIRO-SEPTIC PIPE 30' LONG
- SEPTIC TANK VOLUME REQUIRED: 1250 GALLONS
- SEPTIC TANK VOLUME PROVIDED: 1250 GALLONS
- D-BOX SHALL BE 7 OUTLET WITH EQUALIZERS ON OUTLETS
- NO PRODUCT SUBSTITUTIONS PERMITTED WITHOUT PRIOR APPROVAL OF DESIGNER.

**SOIL INFORMATION**

TEST PIT 1  
MAY 1, 2018  
0-6" 10YR 3/4 DARK YELLOWISH BROWN SANDY LOAM  
6"-24" 2.5YR 4/4 OLIVE BROWN SILT LOAM  
24"-84" 5Y 4/3 OLIVE LOAMY SILT  
REDDISH BROWN MOTTLING AT 24"+  
WATER OBSERVED AT 22", NO LEDGE OBS.  
ROOTS TO 24", ESHWT: 24"  
PERC RATE: 8.0 MIN./IN. @ 18"

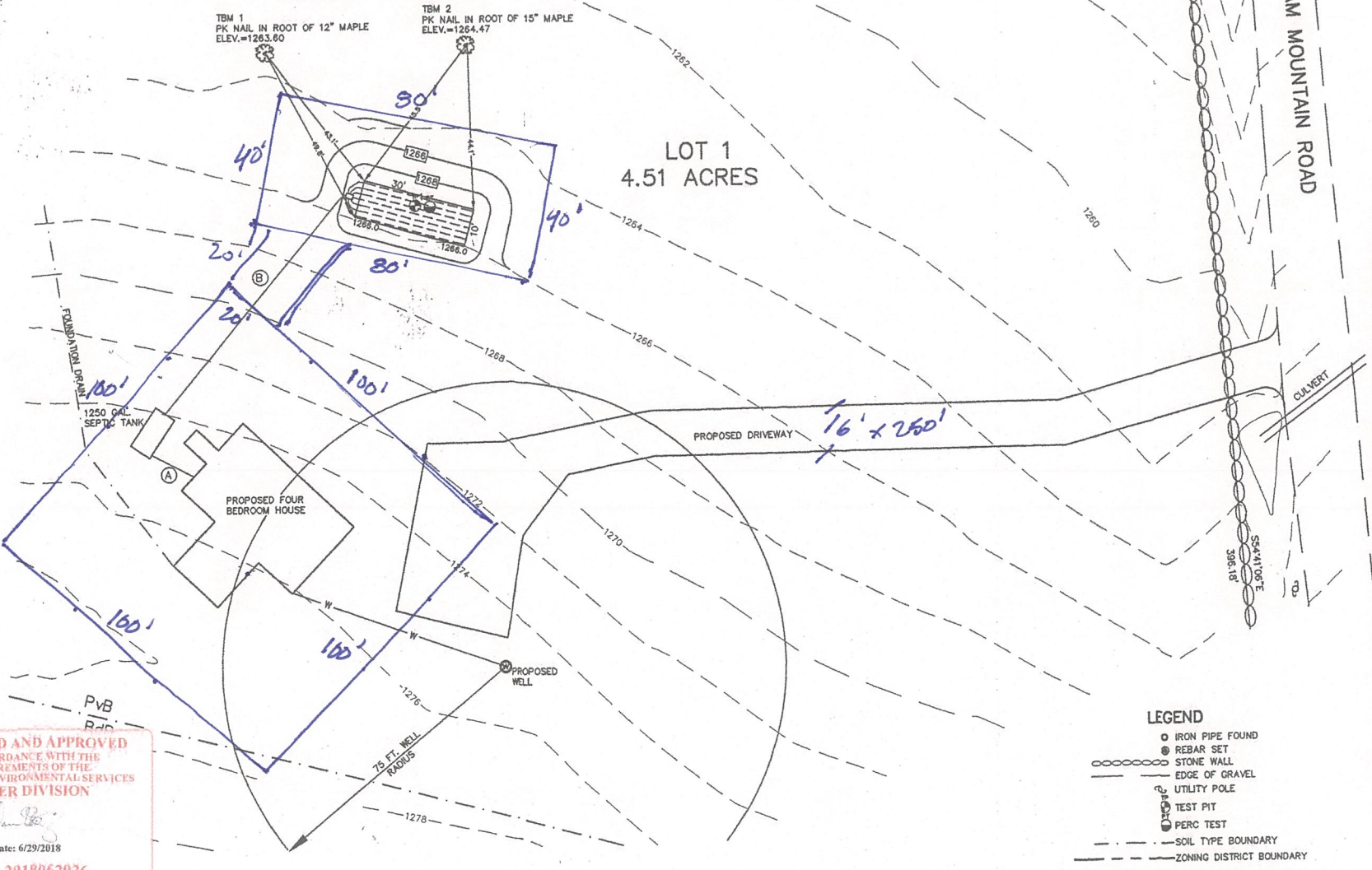
**LOCATION MAP**



PREPARED BY: CHRISTOPHER PATON  
DESIGNER PERMIT # 1402  
P.O. BOX 581, 150 SOUTHBRIDGE ST.  
SPRINGFIELD, VERMONT 05156  
PHONE: 802-885-6674

EFFLUENT DISPOSAL SYSTEM DESIGN  
TREVOR MCGRAW  
P.O. BOX 253  
MERIDEN, NH 03770

CLIENT: PHONE: 603-252-8558  
DATE: JUNE 23, 2018  
DRAFTED BY: CHRISTOPHER PATON  
TAX MAP: TAX MAP 245 LOT 9  
DEED REF: VOL. 1051 PG. 781



- LEGEND**
- IRON PIPE FOUND
  - REBAR SET
  - STONE WALL
  - EDGE OF GRAVEL
  - UTILITY POLE
  - TEST PIT
  - PERC TEST
  - - - SOIL TYPE BOUNDARY
  - - - ZONING DISTRICT BOUNDARY

OVERALL LOT SKETCH  
SCALE: 1"=60'

RECEIVED  
JUN 29 2018  
NHDES  
LAND RESOURCES MANAGEMENT

REVIEWED AND APPROVED  
IN ACCORDANCE WITH THE  
REQUIREMENTS OF THE  
NH DEPT OF ENVIRONMENTAL SERVICES  
WATER DIVISION  
Date: 6/29/2018  
#eCA2018062926

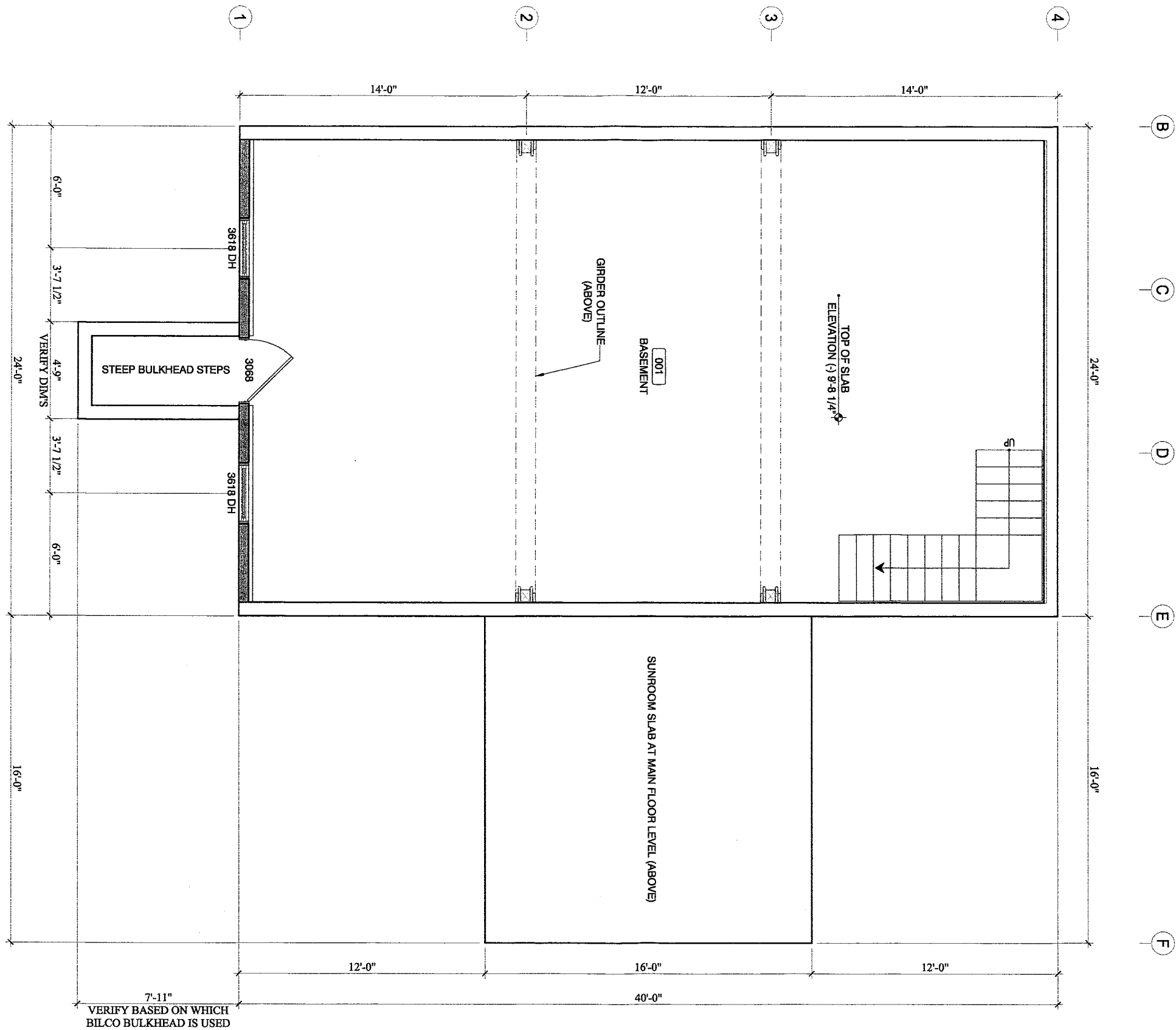
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**BASEMENT LAYOUT**

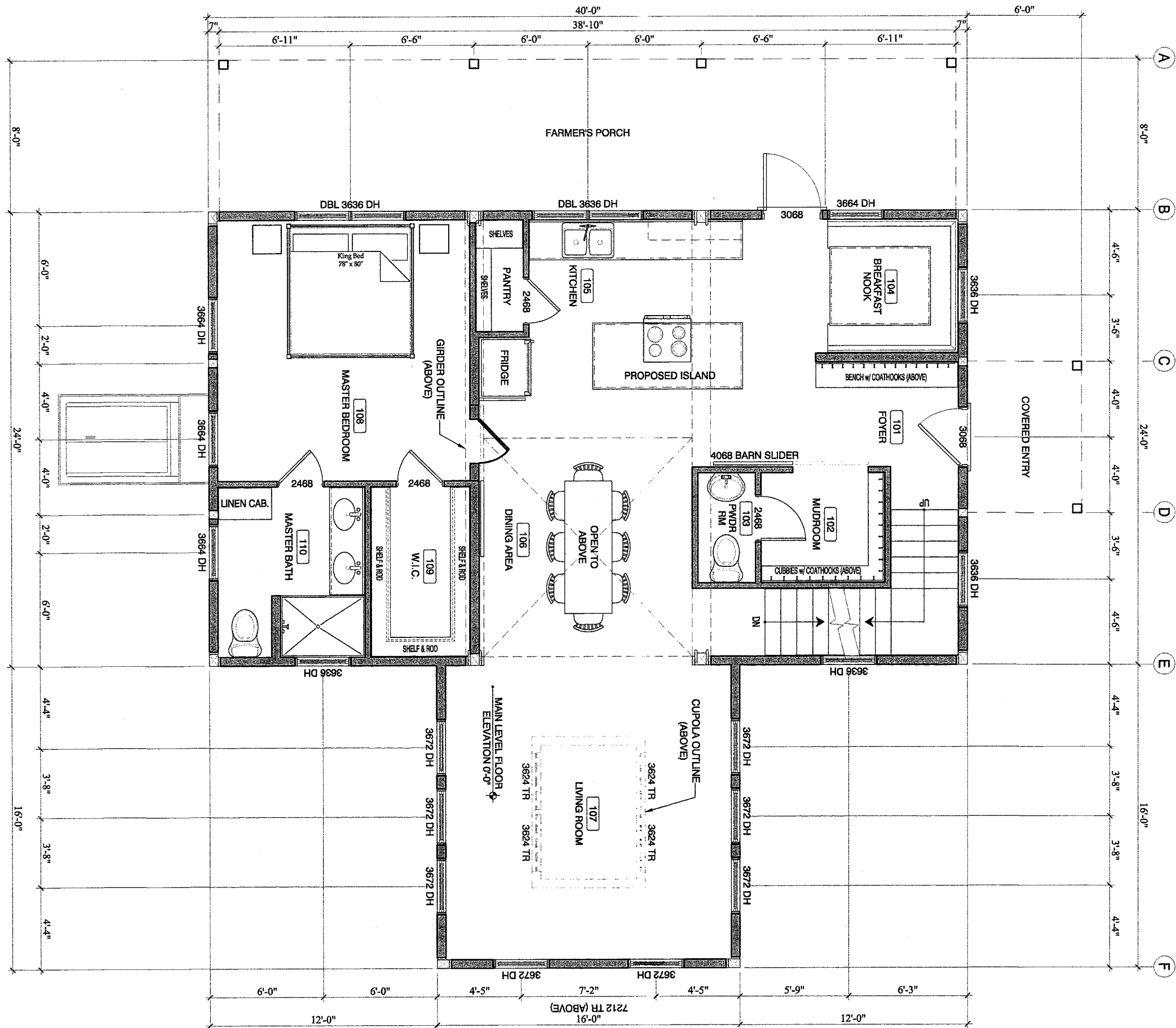
SCALE: 3/16" = 1'-0"



PROJECT	McGraw - Dunn Geobam
ARCHITECT OF RECORD	
BUILDER	Geobams, LLC 923 Kings Highway White River Jct., VT 05001 ph: (803) 359-1912
MEP ENGINEER	
STRUCTURAL ENGINEER	
REVISIONS: xx/xx/xx	
DATE	DESCRIPTION
DRAWING TITLE	FOUNDATION LAYOUT
DATE:	01-07-18
DRAWN:	TFD
SCALE:	SCALE AS NOTED WHEN PRINTED AT 11x17
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**1st FLOOR LAYOUT**

SCALE: 3/16" = 1'-0"



PROJECT  
McGraw - Dunn  
Geobarn

ARCHITECT OF RECORD

BUILDER  
Geobarns, LLC  
923 Kings Highway  
White River Jct., VT 05001  
ph: (603) 359-1912

MEP ENGINEER

STRUCTURAL ENGINEER

REVISIONS: m/n/y/z

DATE	DESCRIPTION

DRAWING TITLE:

FIRST FLOOR LAYOUT

DATE: 01-07-18

DRAWN: TRD

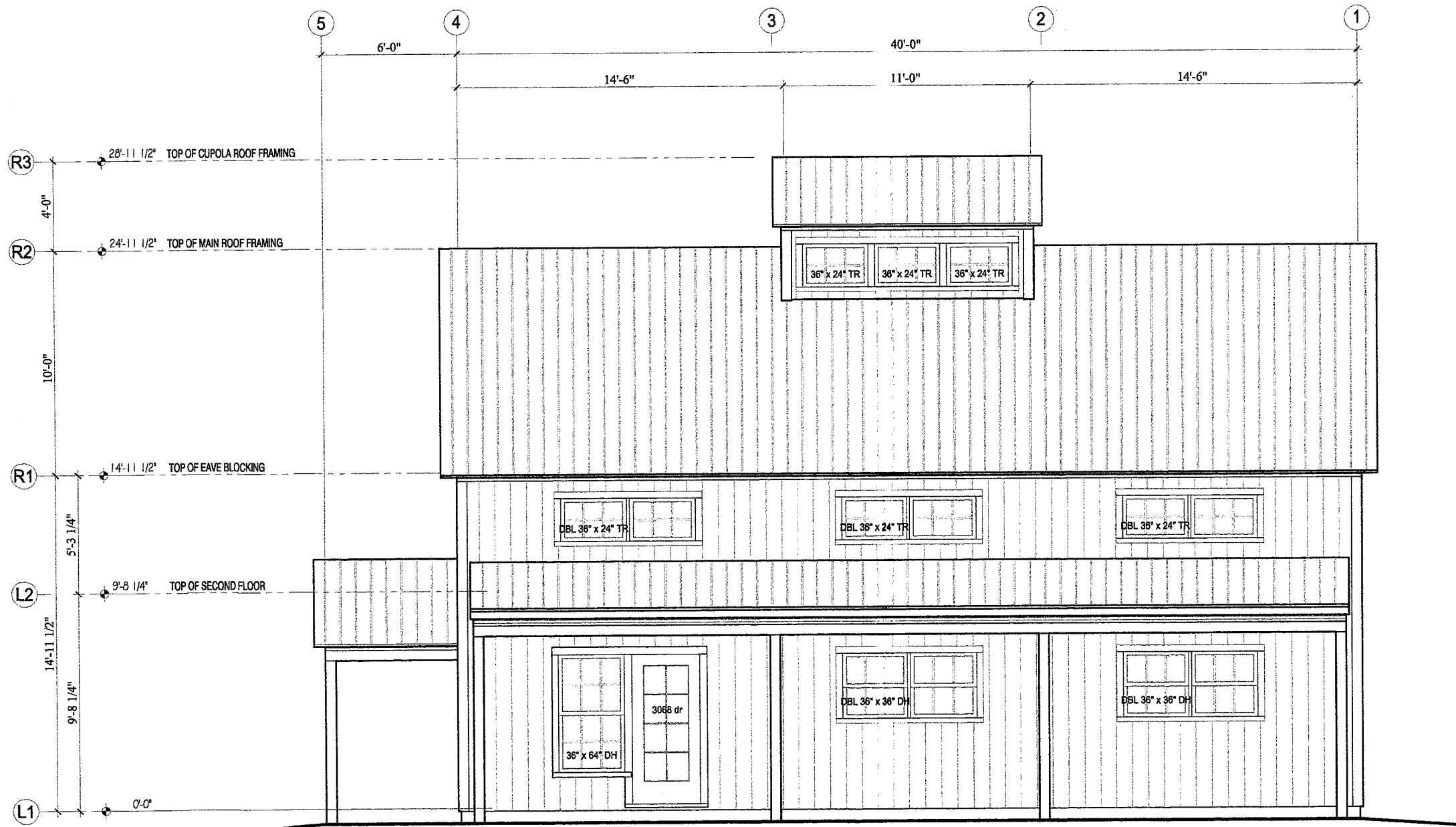
SCALE: SCALE AS NOTED

WHEN PRINTED AT 11x17

SHEET No.

**A1.3**





**NORTH ELEVATION**  
 SCALE: 3/16" = 1'-0"

PROJECT  
 McGraw - Dunn  
 Geobarn

ARCHITECT OF RECORD

BUILDER  
 Geobarns, LLC  
 923 Kings Highway  
 White River Jct., VT 05001  
 ph: (603) 359-1912

MEP ENGINEER

STRUCTURAL ENGINEER

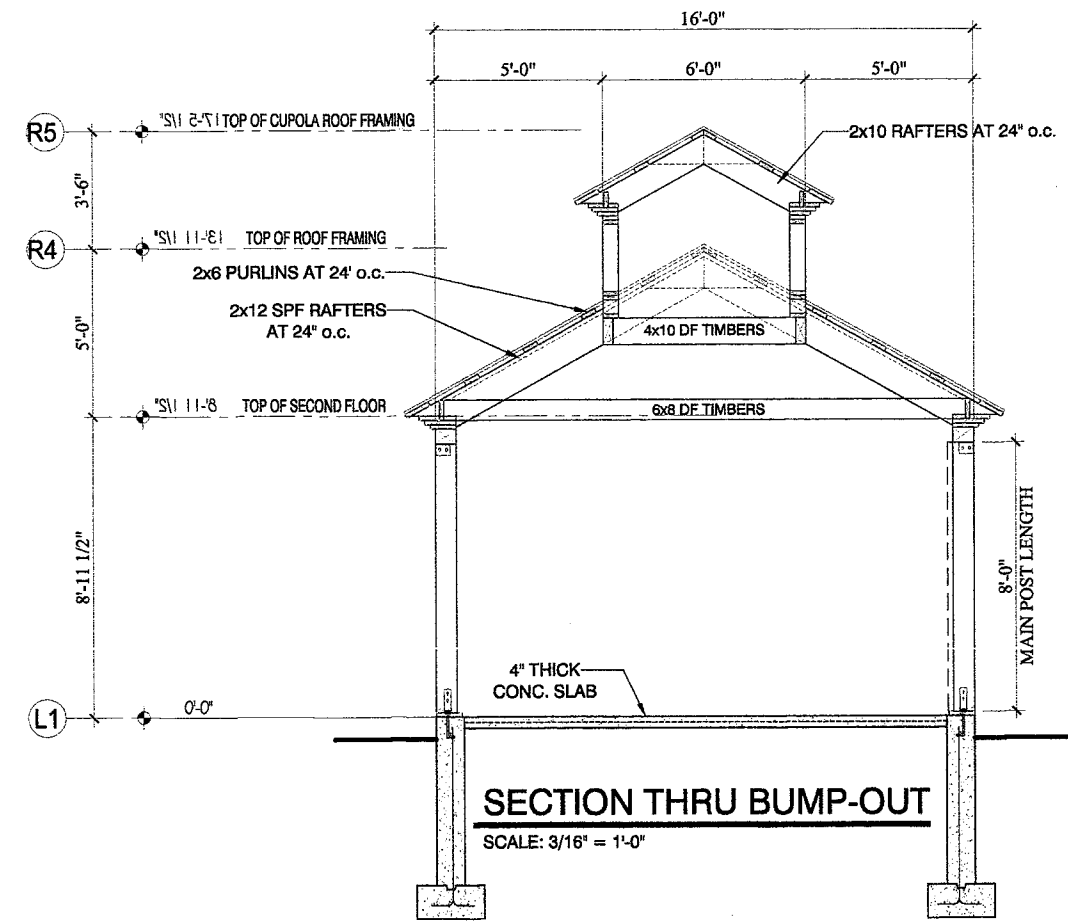
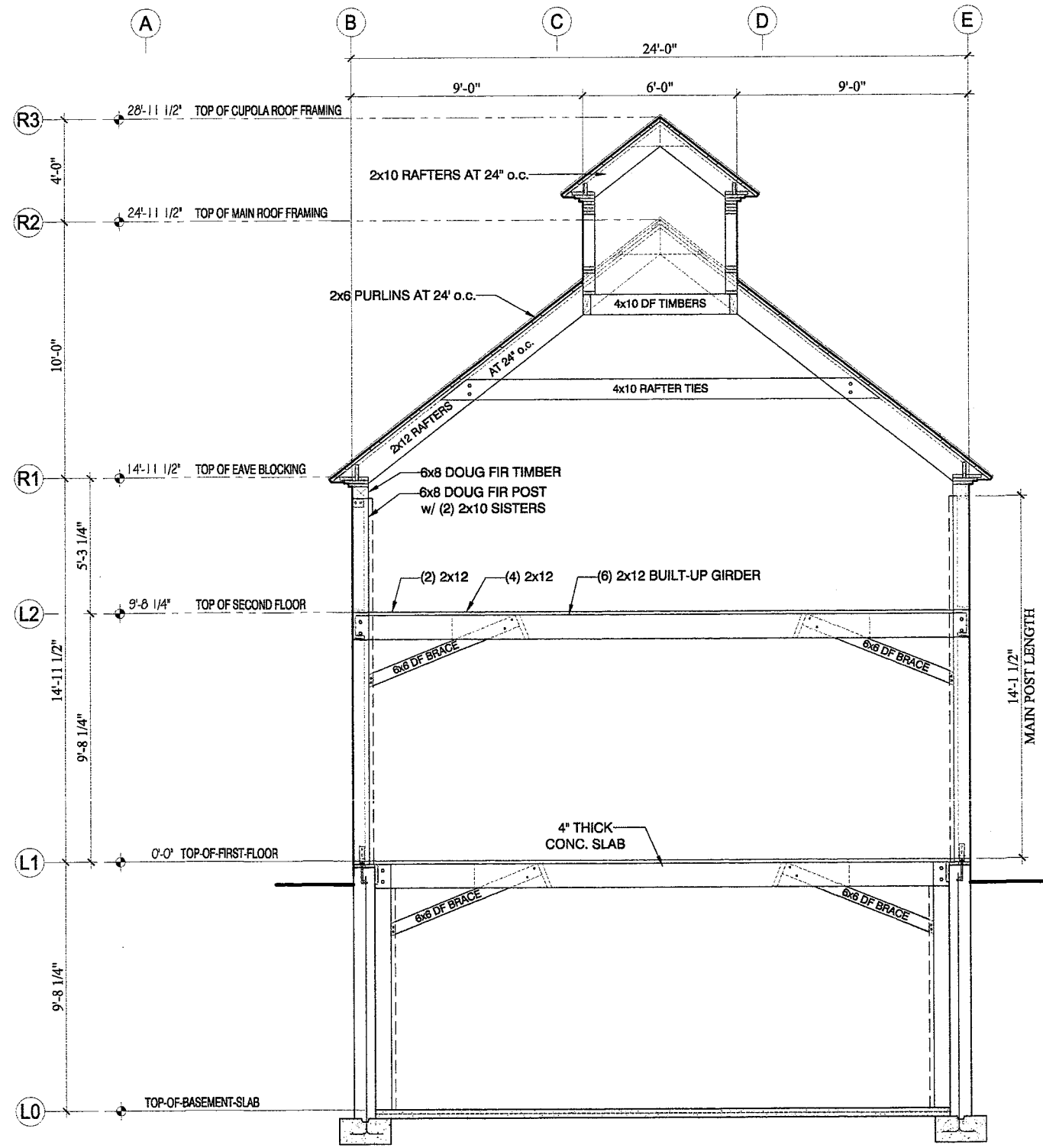
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DATE: 01-07-18  
 DRAWN: TFD  
 SCALE: SCALE AS NOTED  
 WHEN PRINTED AT 11x17

SHEET No.  
**A2.1**





PROJECT  
McGraw - Dunn  
Geobarn

ARCHITECT OF RECORD

BUILDER  
Geobarns, LLC  
923 Kings Highway  
White River Jct., VT 05001  
ph: (603) 359-1912

MEP ENGINEER

STRUCTURAL ENGINEER

REVISIONS: no/na/na

DATE DESCRIPTION

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STRUCTURALS

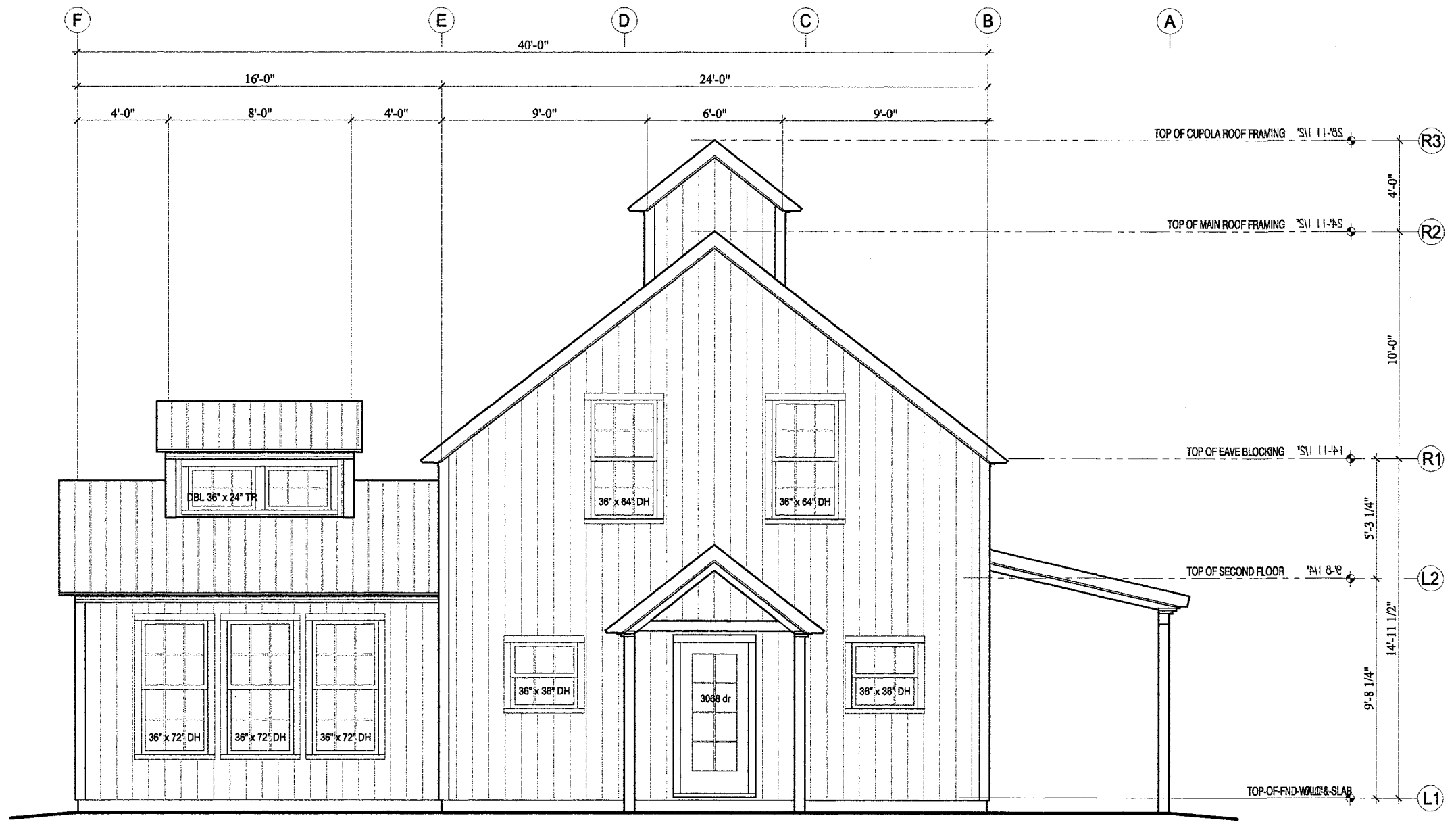
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SCALE: SCALE AS NOTED WHEN PRINTED AT 11x17

SHEET No.

S1.1



**EAST ELEVATION**  
 SCALE: 3/16" = 1'-0"

PROJECT McGraw - Dunn Geobarn	
ARCHITECT OF RECORD	
BUILDER Geobarns, LLC 923 Kings Highway White River Jct., VT 05001 ph: (603) 359-1912	
MEP ENGINEER	
STRUCTURAL ENGINEER	
REVISIONS: m/ks/m	DATE DESCRIPTION
DRAWING TITLE: ELEVATIONS	
DATE: 01-07-18	TFD
DRAWING SCALE: SCALE AS NOTED	WHEN PRINTED AT 11x17
SHEET No. <b>A2.4</b>	



**WEST ELEVATION**

SCALE: 3/16" = 1'-0"

PROJECT  
McGraw - Dunn  
Geobarn

ARCHITECT OF RECORD

OWNER  
Geobarns, LLC  
923 Kings Highway  
White River Jct., VT 05001  
ph: (603) 359-1912

MEP ENGINEER

STRUCTURAL ENGINEER

REVISIONS: xx/xx/xx

DATE DESCRIPTION

DRAWING TITLE:

ELEVATIONS

DATE: 01-07-18

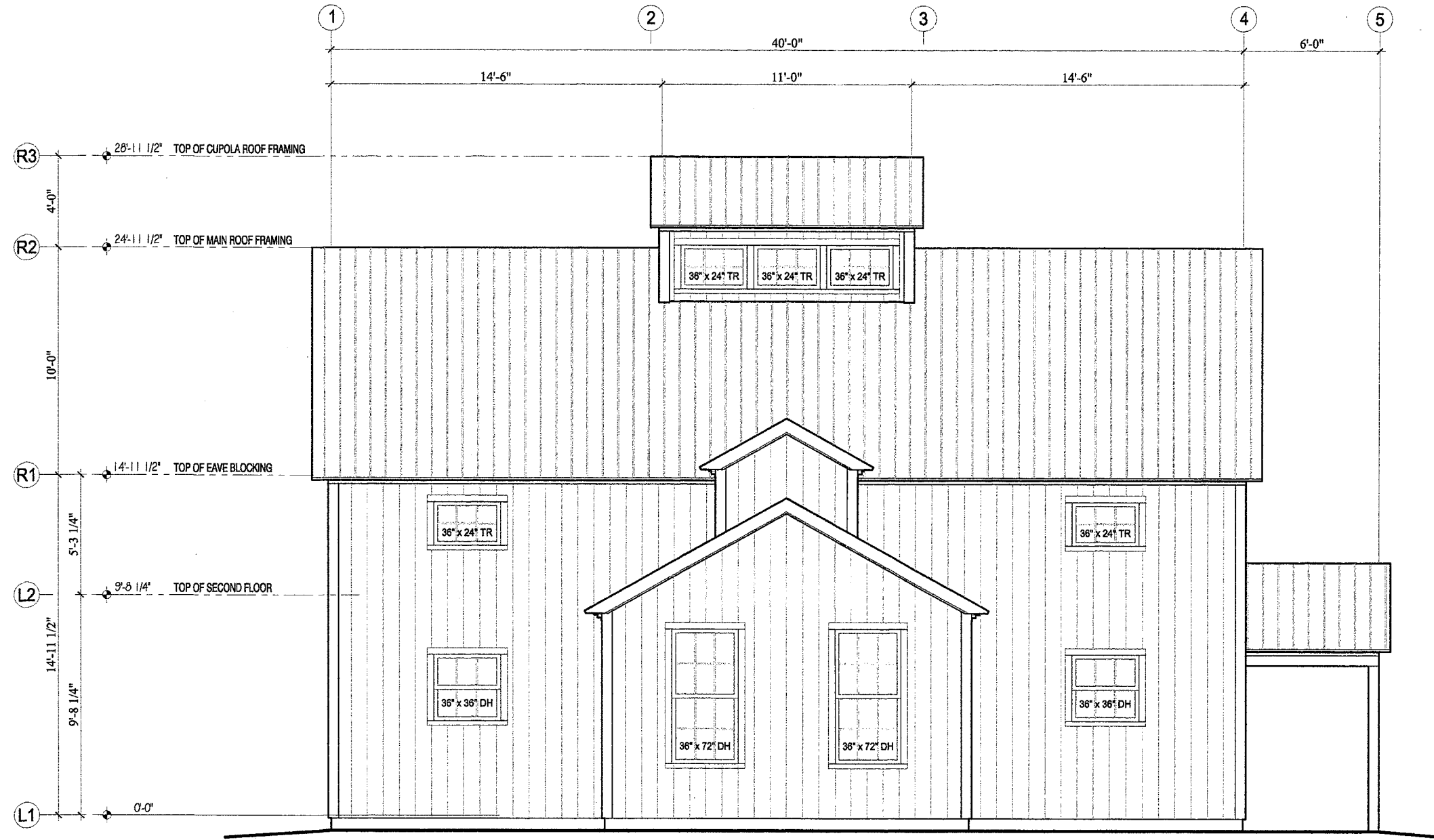
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SCALE: SCALE AS NOTED

WHEN PRINTED AT 11x17

SHEET No.

**A2.3**



**SOUTH ELEVATION**

SCALE: 3/16" = 1'-0"

PROJECT  
McGraw - Dunn  
Geobarn

ARCHITECT OF RECORD

BUILDER  
Geobarns, LLC  
923 Kings Highway  
White River Jct., VT 05001  
ph: (603) 359-1912

MEP ENGINEER

STRUCTURAL ENGINEER

REVISIONS: no/na/ra

DATE	DESCRIPTION

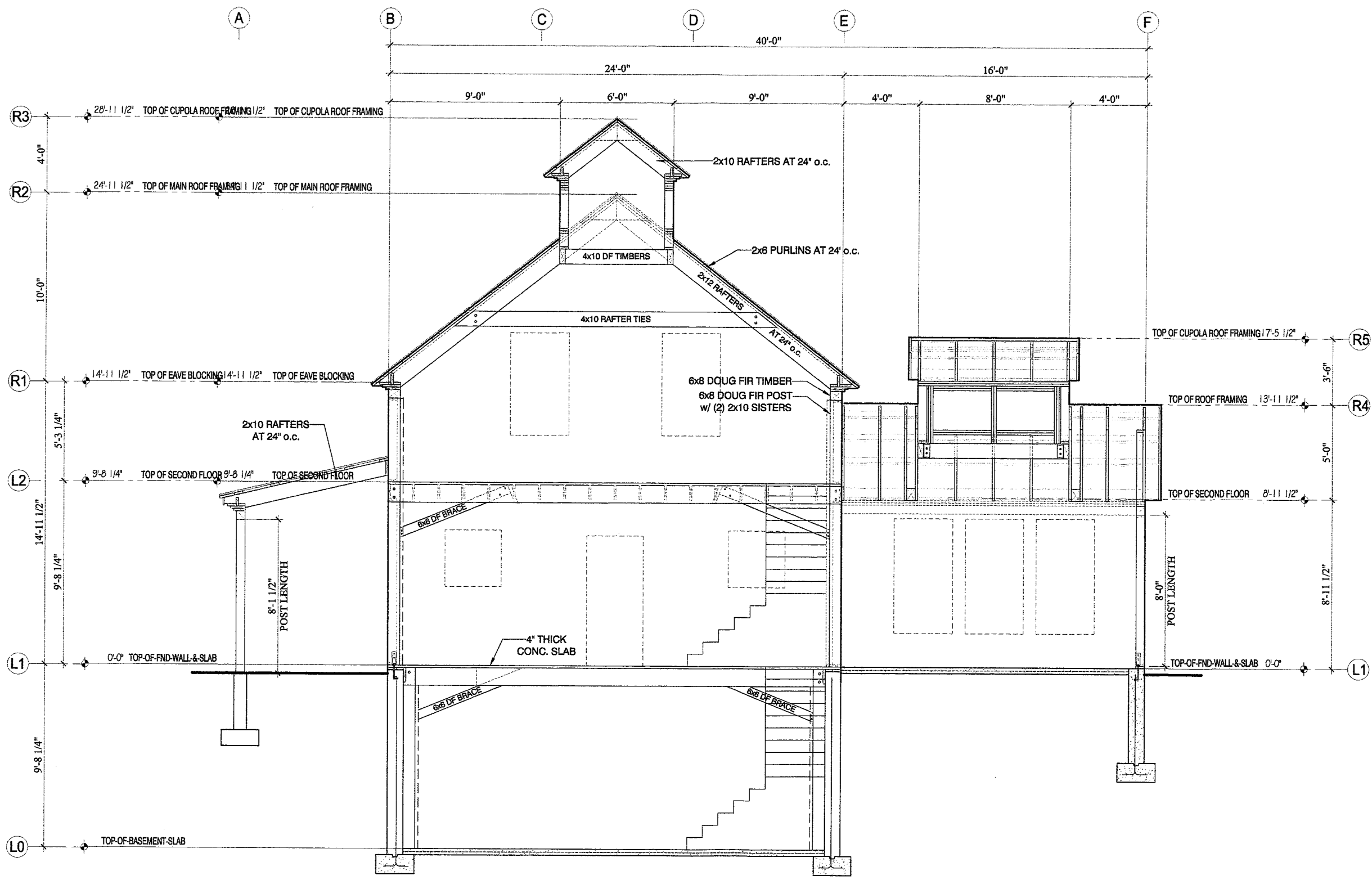
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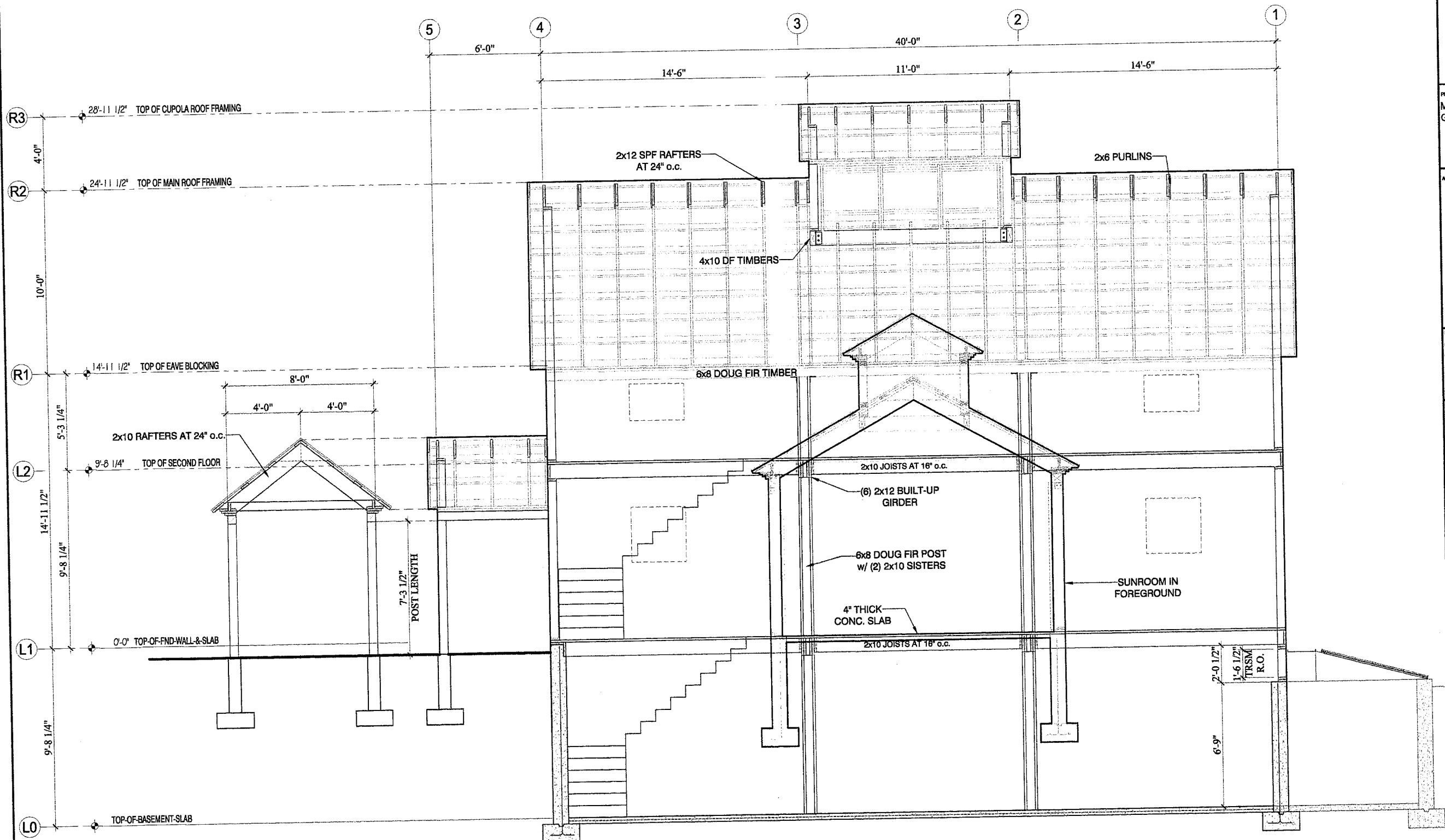
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WHEN PRINTED AT 11x17

SHEET No.

**A2.2**



PROJECT McGraw - Dunn Geobam	
ARCHITECT OF RECORD	
BUILDER Geobams, LLC 923 Kings Highway White River Jct., VT 05001 ph: (603) 359-1912	
MEP ENGINEER	
STRUCTURAL ENGINEER	
REVISIONS: 01/02/18	
DATE	DESCRIPTION
DRAWING TITLE BUILDING SECTIONS	
DATE: 01-07-18	TFD
DRAWN: SCALE AS NOTED	WHEN PRINTED AT 11x17
SHEET No. <b>S1.2</b>	



**SECTION THRU HOUSE LENGTHWISE**  
 SCALE: 3/16" = 1'-0"

PROJECT	McGraw - Dunn Geobarn
ARCHITECT OF RECORD	
BUILDER	Geobarns, LLC 923 Kings Highway White River Jct., VT 05001 ph: (603) 359-1912
MEP ENGINEER	
STRUCTURAL ENGINEER	
REVISIONS: <i>no/na/m</i>	
DATE	DESCRIPTION
DRAWING TITLE	BUILDING SECTIONS
DATE: 01-07-18	TFD
DRAWN:	SCALE AS NOTED
SCALE:	WHEN PRINTED AT 11x17
SHEET No.	<b>S1.3</b>

PROJECT  
McGraw - Dunn  
Geobarn

ARCHITECT OF RECORD

BUILDER  
Geobarns, LLC  
923 Kings Highway  
White River Jct., VT 05001  
ph: (603) 359-1912

MEP ENGINEER

STRUCTURAL ENGINEER

REVISIONS: xx/xx/xx

DATE	DESCRIPTION

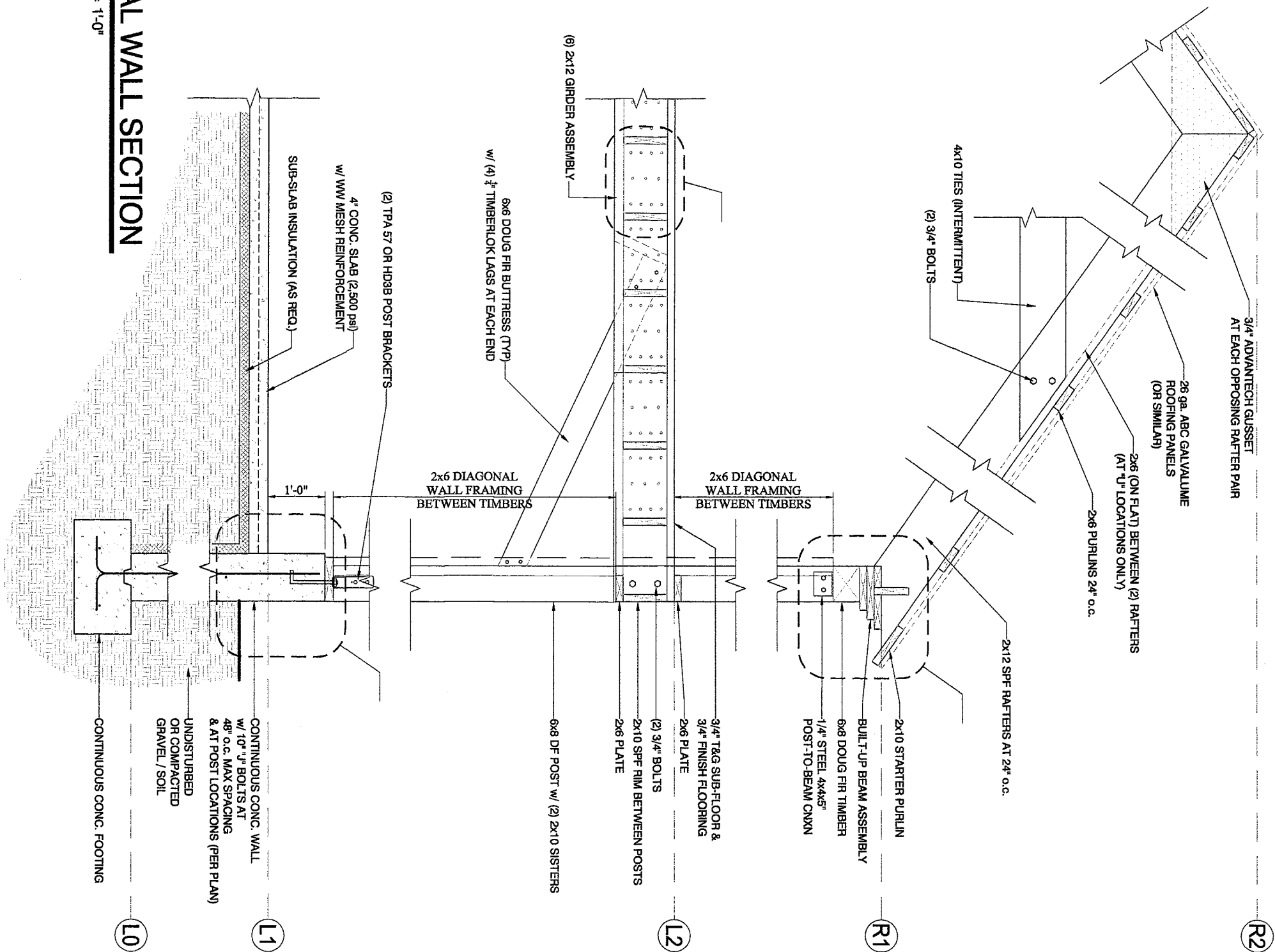
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STRUCTURAL DETAILS

DATE: 01-07-18  
DRAWN: TFD  
SCALE: SCALE AS NOTED  
WHEN PRINTED AT 11x17

SHEET No.

**S1.4**



**TYPICAL WALL SECTION**

SCALE: 1/2" = 1'-0"

PROJECT  
McGraw - Dunn  
Geobarn

ARCHITECT OF RECORD

BUILDER  
Geobarns, LLC  
923 Kings Highway  
White River Jct., VT 05001  
ph: (603) 359-1912

M.P. ENGINEER

STRUCTURAL ENGINEER

REVISIONS: *ms/rs/ta*

DATE	DESCRIPTION

DRAWING TITLE:

STRUCTURAL DETAILS

DATE: 01-07-18

DRAWN: TFD

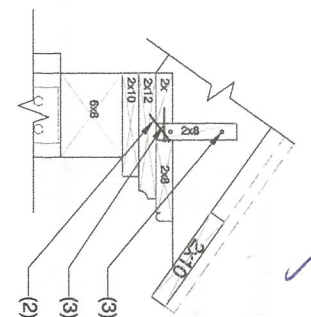
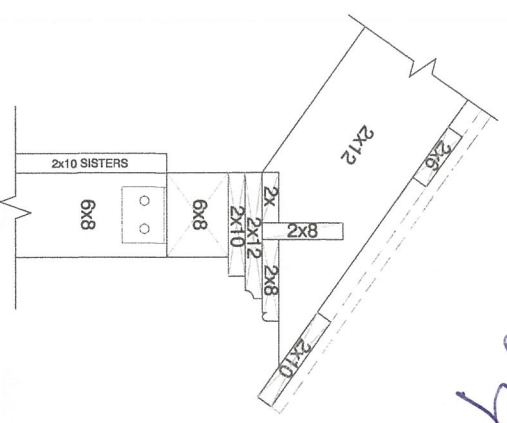
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WHEN PRINTED AT 11x17

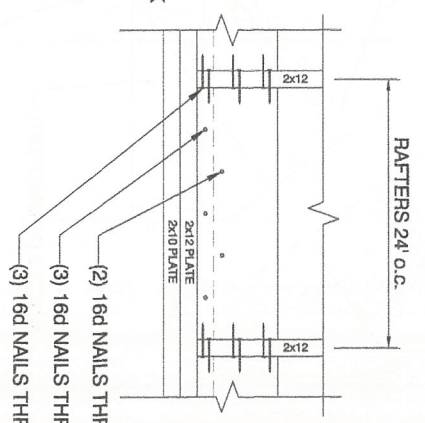
SHEET NO.

**S1.5**

*166  
2018-07  
Graham*



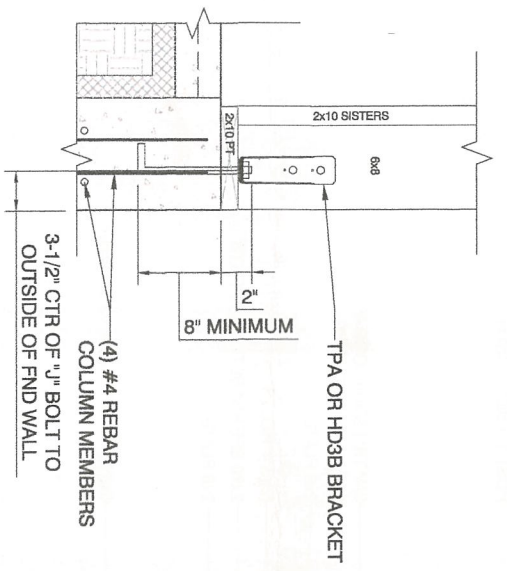
- (3) 16d NAILS THRU RAFTER INTO BLOCK
- (3) 16d NAILS THRU BLOCK INTO PLATE
- (2) 16d NAILS THRU BLOCK INTO PLATES



- (2) 16d NAILS THRU BLOCK INTO PLATES
- (3) 16d NAILS THRU BLOCK INTO PLATE
- (3) 16d NAILS THRU RAFTER INTO BLOCKING

**DETAIL 1: ROOF - BEAM ATTACHMENT**

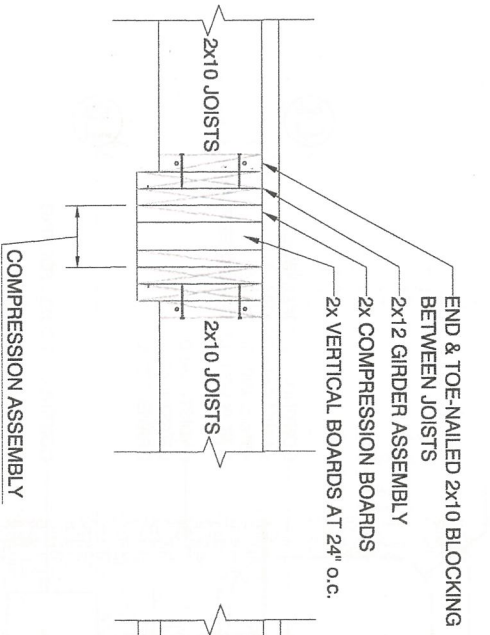
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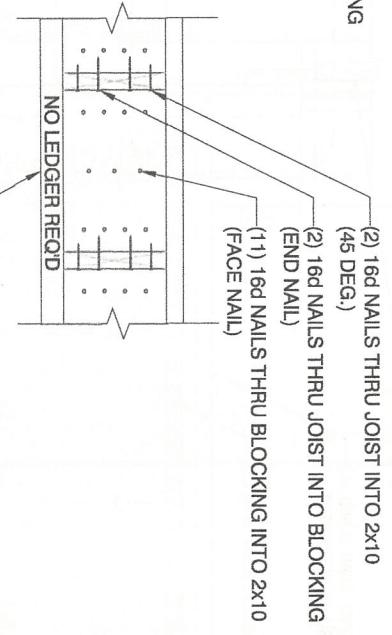
- TPA OR HD3B BRACKET
- (4) #4 REBAR COLUMN MEMBERS

**DETAIL 2: CONCRETE - POST ATTACHMENT**

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



- END & TOE-NAILED 2x10 BLOCKING BETWEEN JOISTS
- 2x12 GIRDER ASSEMBLY
- 2x COMPRESSION BOARDS
- 2x VERTICAL BOARDS AT 24" O.C.



- (2) 16d NAILS THRU JOIST INTO 2x10 (45 DEG.)
- (2) 16d NAILS THRU JOIST INTO BLOCKING (END NAIL)
- (1) 16d NAILS THRU BLOCKING INTO 2x10 (FACE NAIL)
- NO LEDGER REQ'D

**DETAIL 3: JOISTS TO (6) 2x12 GIRDER ASSEMBLY**

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