

APPROVED
By Dan Naiman at 8:01 am, Oct 17, 2023



Spencer
architecture studio

DON SPENCER A.I.A.
ARCHITECT +
OWNERS REPRESENTATIVE
719 696 5783
RDSPENCER2017@GMAIL.COM
404 SAN JUAN AVE. ALAMOSA, CO 81001

CONSULTANTS

Andregg Davis Engineering, LLC
216 Horizon Drive
Fredricksburg, TX 78624
218 229 9127

STAMP & SIGNATURE



PROJECT

**New Facility
Entrance**

408 La Garita Street
Creede, CO 81130

Mineral County
Colorado

OWNER

City of Creede

Virginia Christensen
Multi-Use Facility

SUBMITTALS

No.	Date	Description
1		Preliminary Design
2		Schematic Design
3		Construction Documents

DRAWING INFORMATION

Job Number: JOB NUMBER
Print Draft Number: 1
Drawn By: RZ
Checked By: RDS
Drawing Date: 09/23/2023

SHEET TITLE

Design Criteria,
Specifications, Table of
Drawings

S0.0

Sheet Number: 1 of 4

General Requirements

- Overall building dimensions used are based on the Architectural floor plan and must be verified with the architectural drawings prior to construction of form-work and placement of concrete. Existing building dimensions to be field verified.
- Contractor to verify existing conditions prior to commencing work. Notify engineer of record of any discrepancies before proceeding.
- Do not scale drawings for purposes of establishing dimensions.
- It is the contractor's responsibility to provide all necessary bracing and shoring for construction and any other temporary supports. Requirements of OSHA and other governing bodies have jurisdiction at the site.

Special Inspections

- Special Inspection work and the final letter of compliance have not been included in the structural engineer scope of services. The owner is responsible for obtaining the services of a special inspector.

Design Criteria

Building Code.....IBC 2003
Occupancy Category.....Normal (Category II)

Dead Loads

Roof.....10 psf

Live Loads

Roof.....20 psf
Floor.....40 psf

Snow Loads

Roof Snow.....80 psf
Snow Importance Factor (I)....1.00
Snow Exposure Factor (Ce)....1.00
Thermal Factor (Ct).....1.00
Frost Depth36 inches

Wind Loads

Basic Wind Speed.....90.0 mph
Wind Importance Factor (I)....1.00
Wind Exposure Category.....B

Seismic

Seismic Importance Factor (I).....1.00
Seismic Design Category.....C
Soil Site Class.....D Stiff Soil

Ss.....0.323 g Sds0.332 g
S1.....0.094 g Sd1.....0.150 g

Note: Evaluation of the existing building is not in this scope of work

Concrete

- Standards: ACI Specification for structural concrete 301, ACI 318 and Commentary ACI 318R; plus ACI 302 latest editions.
- Formwork per ACI guide 347-14 and SP-4 latest editions
- Reinforcing per ACI specification for structural concrete 301-10, CRSI Manual of Standard Practice and WRI Design of slab on grade foundations latest editions
- Concrete Reinforcing Materials shall conform to the following:
 - Typical bars.....ASTM 615 Grade 60
 - No. 3 bars.....ASTM 615 Grade 40
 - Deformed bars.....ASTM A1064 Grade 70
 - Welded wire reinforcementASTM A1064
- All reinforcing materials must be supported and held in place using steel wire bar supports in accordance with CRSI.
- Welding of rebar is not allowed unless noted on the drawings.
- Minimum clear concrete cover shall be as follows unless noted otherwise:
 - Concrete cast directly against earth – three inches
 - Concrete exposed to weather or earth – two inches
 - Concrete slab on grade – 1-1/2 inches
- All continuous reinforcement shall lap a minimum of 36 bar diameters.
- Concrete mixture must be normal weight type (145 pcf) and designed per ACI 318-14 with 3000 psi (w/c – 0.50 max)
- Form removal shall not take place until the concrete has reached 70 percent of the specified 28-day compressive strength. Concrete footings and slab shall be cured for a minimum of 14 days before work can commence on them.

Wood

- All exposed lumber should be Western Red Cedar grade 2 with 19% maximum moisture content of any species. Select and cut lumber to eliminate knots and other defects that would interfere with attachment of other work.
- Wood framing for stem wall to be southern pine no. 2.
- Any wood in contact with earth or concrete shall be treated.
- Fasteners should be as follows: bolts, nails, brads and staples and should comply with ASTM F 1667; wood screws should comply to ASME B18.6.1; power driven fasteners should comply with NES-NER-272.

Table of drawings

S 0.0 Design Criteria, Specifications, Table of Drawings
S 1.0 Footings and Slab
S 2.0 Roof Layout
S 3.0 Framing

APPROVED
By Dan Naiman at 8:02 am, Oct 17, 2023



DON SPENCER A.I.A.
ARCHITECT +
OWNERS REPRESENTATIVE
719 696 5783
RDSPENCER2017@GMAIL.COM
404 SAN JUAN AVE. ALAMOSA, CO 81001

CONSULTANTS

Andregg Davis Engineering, LLC
216 Horizon Drive
Fredricksburg, TX 78624
218 229 9127

STAMP & SIGNATURE



PROJECT

**New Facility
Entrance**

408 La Garita Street
Creede, CO 81130

Mineral County
Colorado

OWNER

City of Creede
Virginia Christensen
Multi-Use Facility

SUBMITTALS

No.	Date	Description
1		Preliminary Design
2		Schematic Design
3		Construction Documents

DRAWING INFORMATION

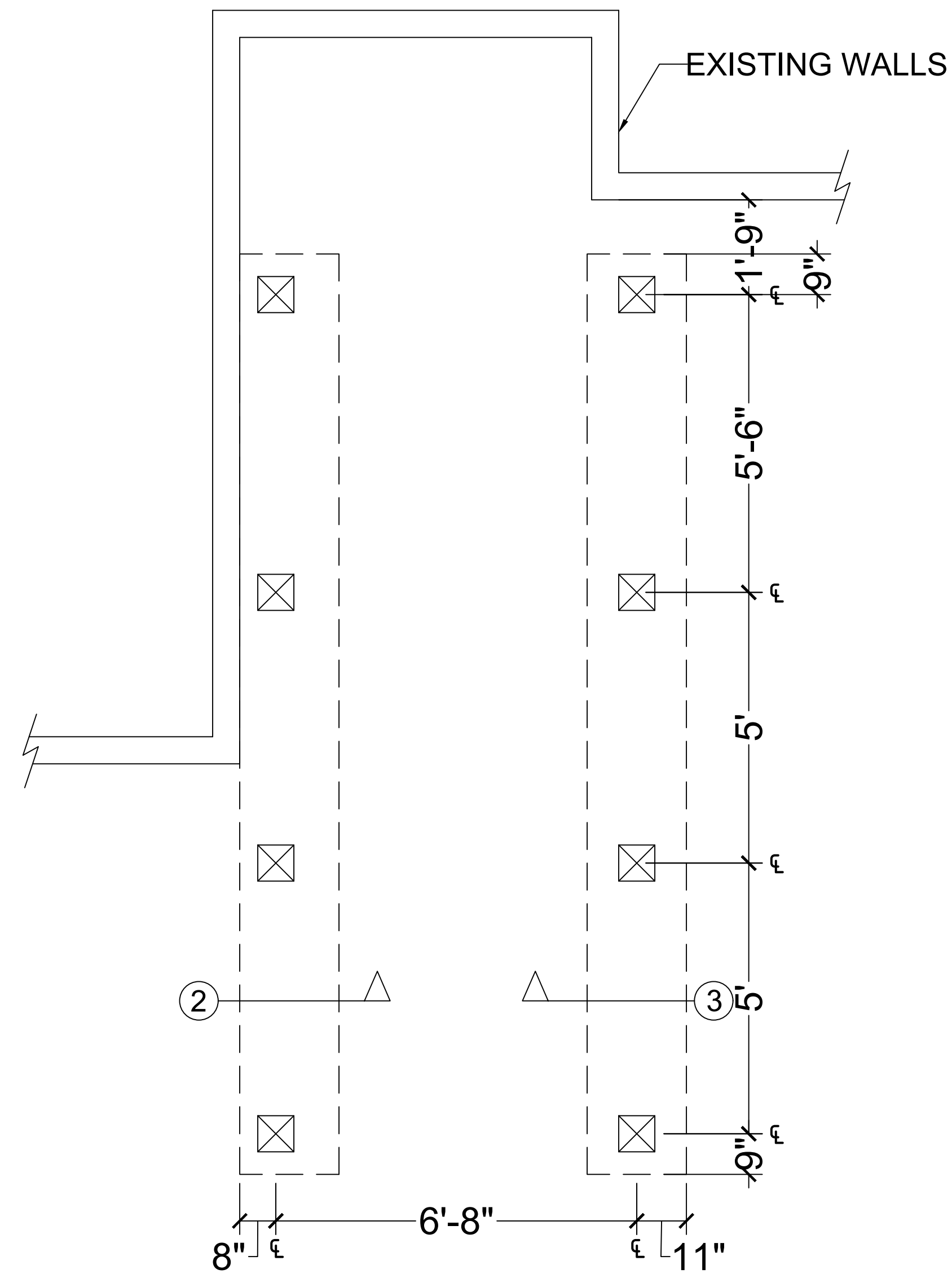
Job Number: JOB NUMBER
Print Draft Number: 1
Drawn By: RZ
Checked By: RDS
Drawing Date: 09/23/2023

SHEET TITLE

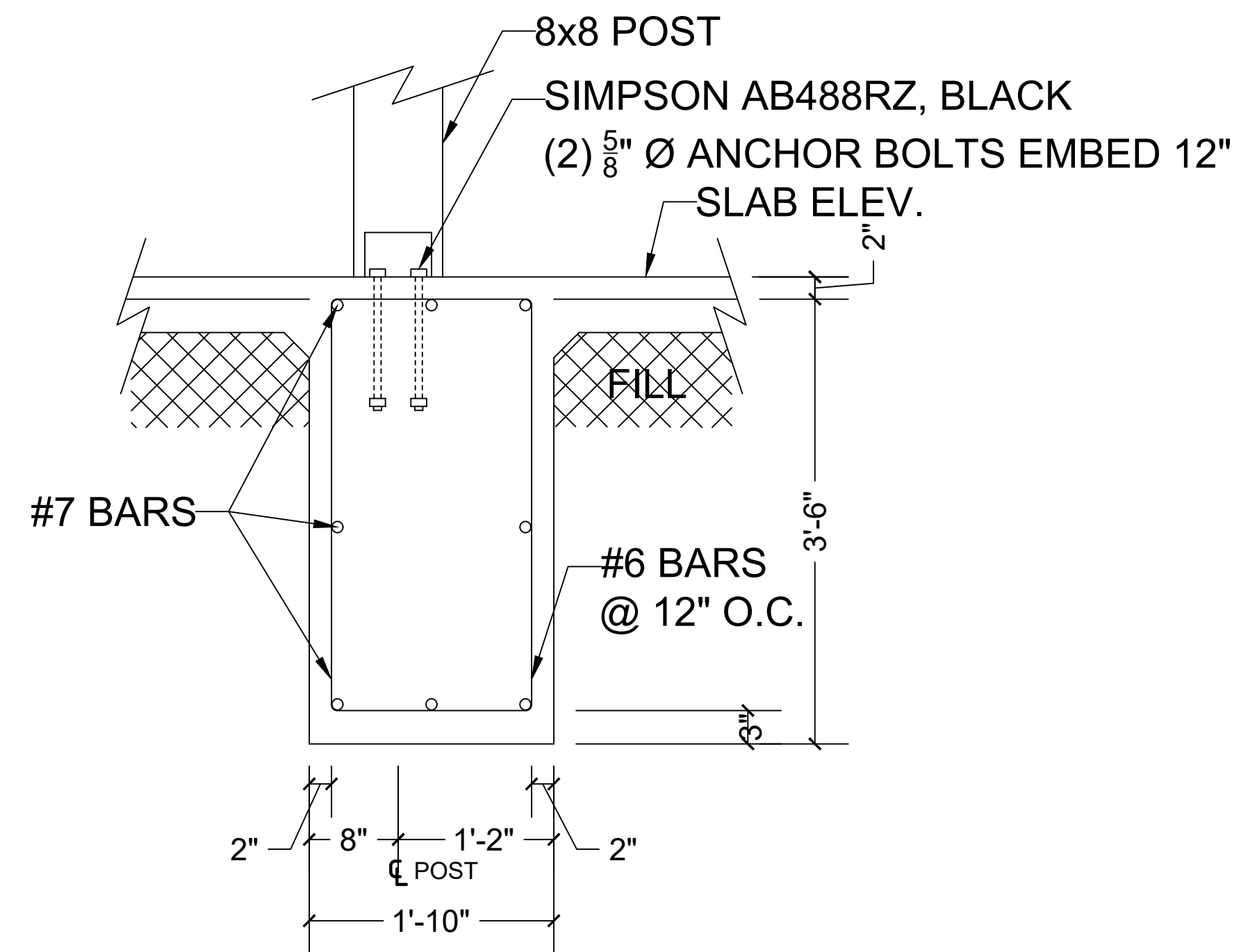
Footings

S1.0

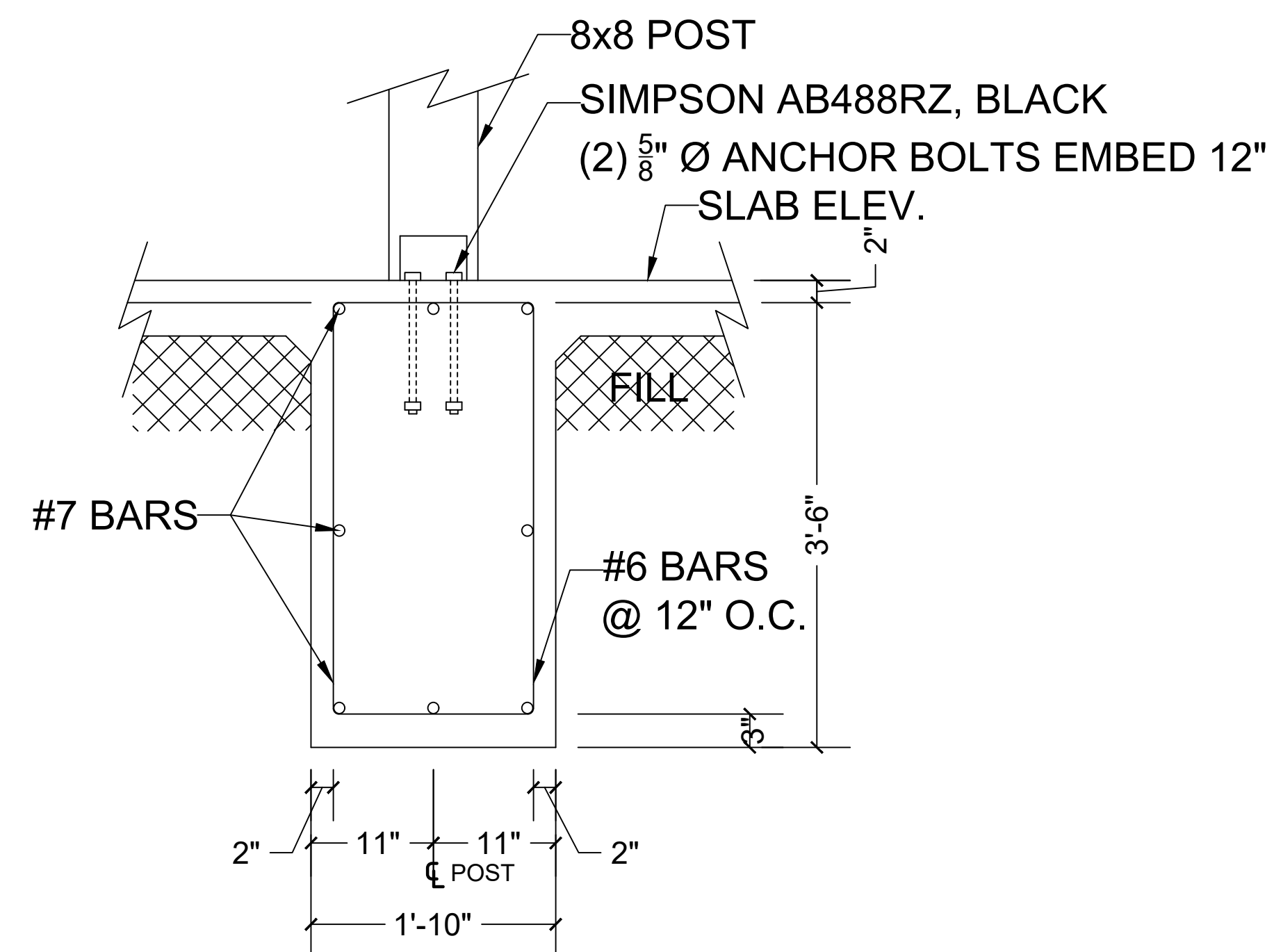
Sheet Number: 2 of 4



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



2 Footings Detail
SCALE: 1" = 1'-0"



3 Footings Detail
SCALE: 1" = 1'-0"

APPROVED
By Dan Naiman at 8:02 am, Oct 17, 2023



DON SPENCER A.I.A.
ARCHITECT +
OWNERS REPRESENTATIVE
719 696 5783
RDSPENCER2017@GMAIL.COM
404 SAN JUAN AVE. ALAMOSA, CO 81001

CONSULTANTS
Andregg Davis Engineering, LLC
216 Horizon Drive
Fredricksburg, TX 78624
218 229 9127

STAMP & SIGNATURE

9/26/2023

PROJECT
New Facility
Entrance

408 La Garita Street
Creede, CO 81130

Mineral County
Colorado

OWNER
City of Creede

Virginia Christensen
Multi-Use Facility

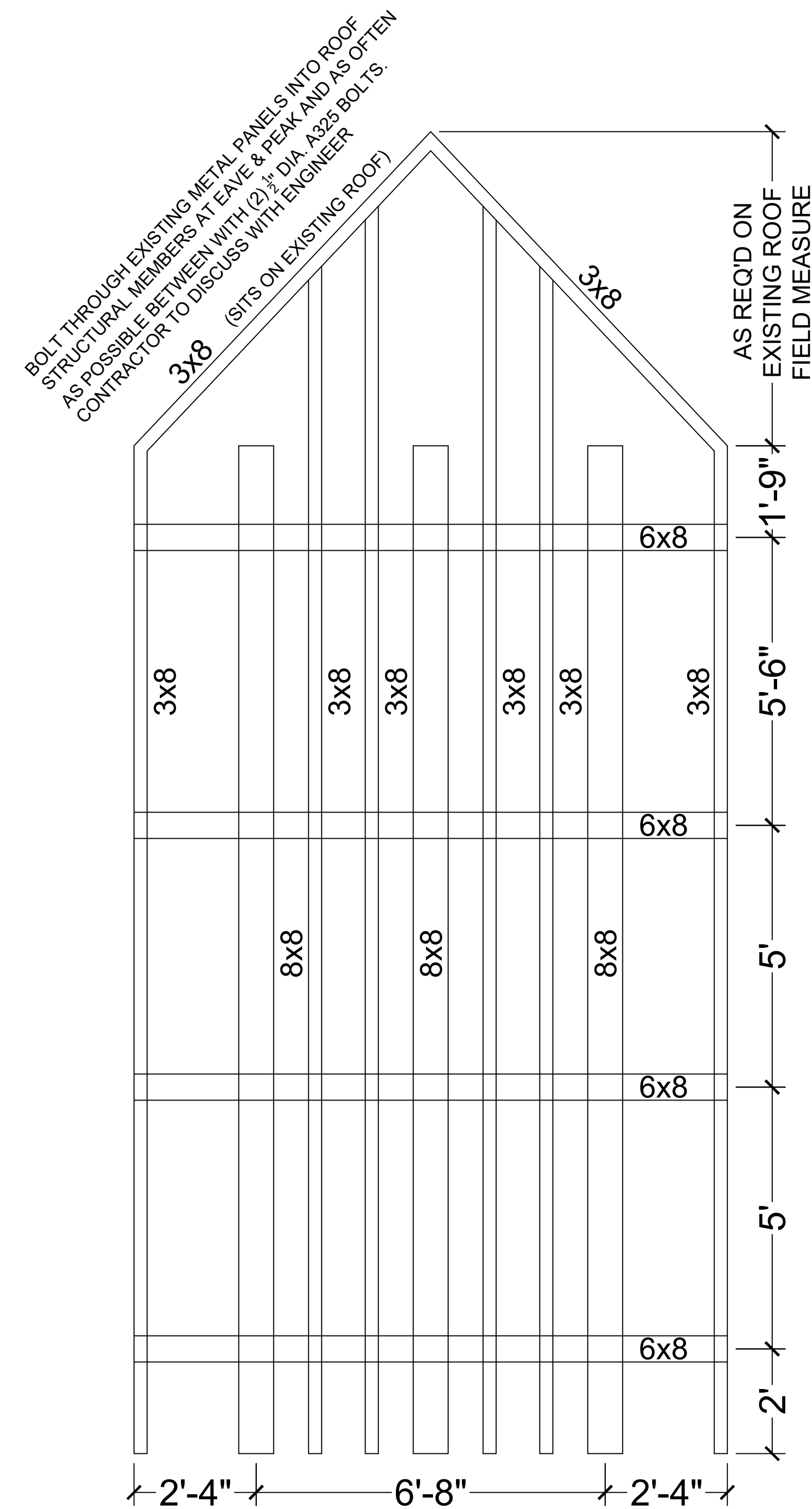
SUBMITTALS

No.	Date	Description
1		Preliminary Design
2		Schematic Design
3		Construction Documents

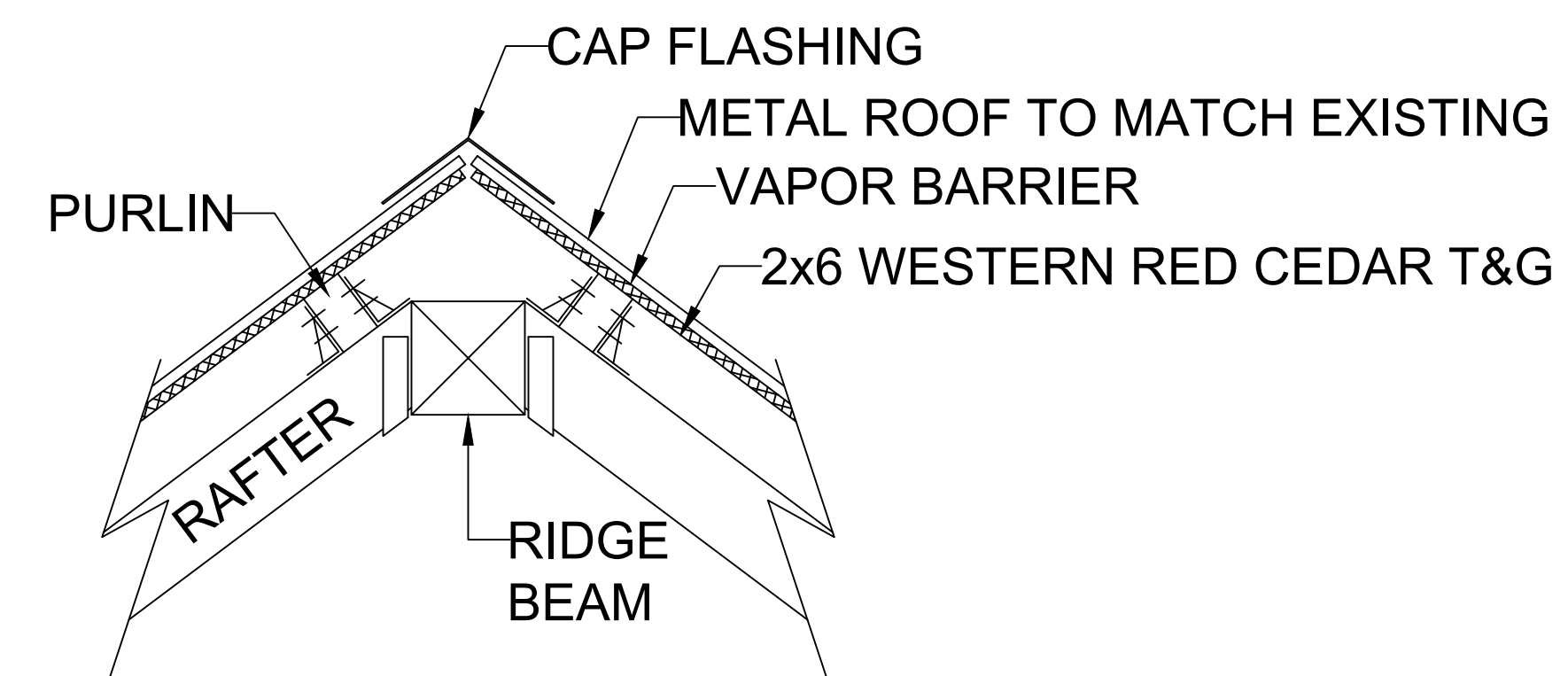
DRAWING INFORMATION
Job Number: JOB NUMBER
Print Draft Number: 1
Drawn By: RZ
Checked By: RDS
Drawing Date: 09/23/2023

SHEET TITLE
Roof Layout

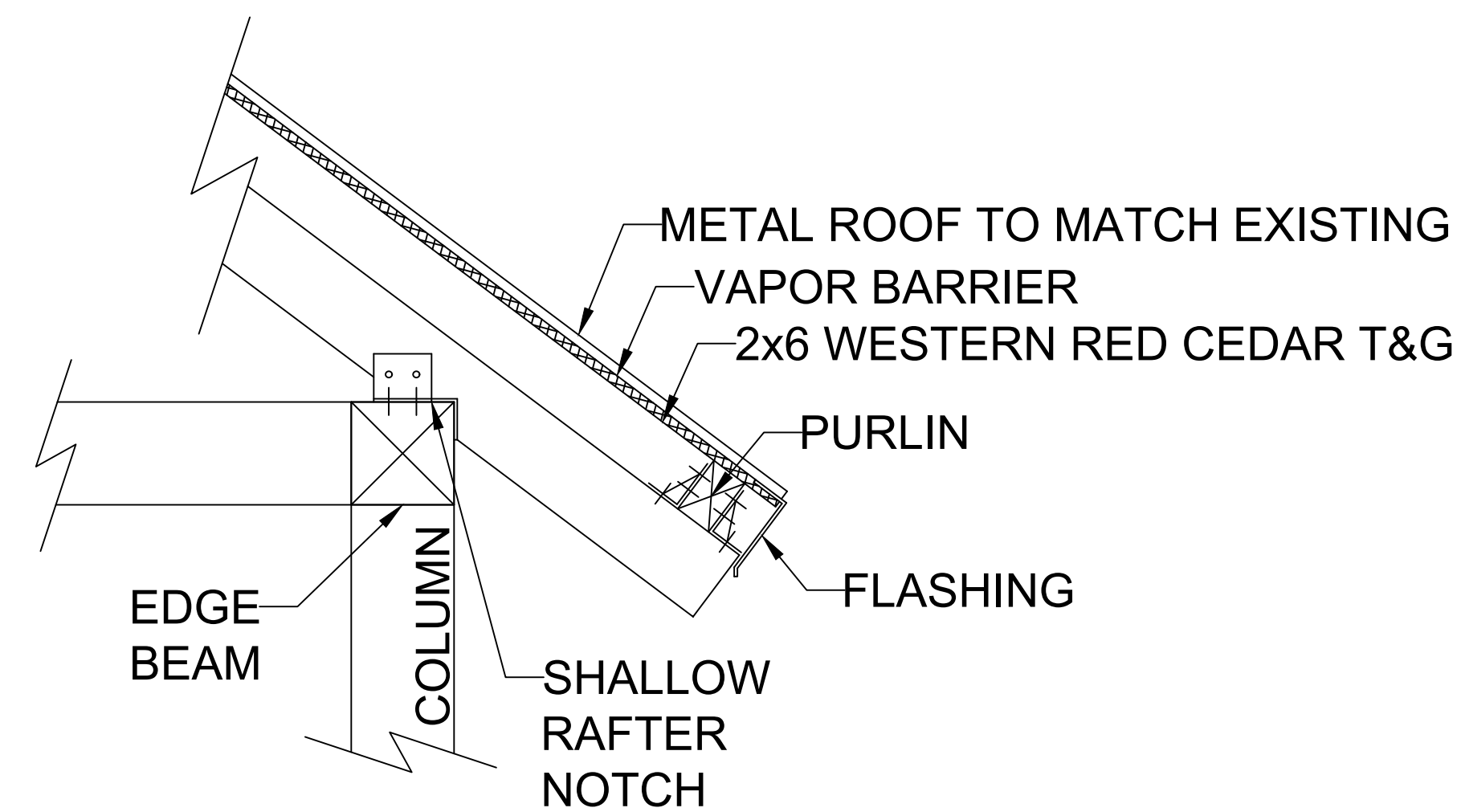
S2.0
Sheet Number: 3 of 4



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



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



3 EDGE OF ROOF
SCALE: 1" = 1'-0"

APPROVED
By Dan Naiman at 8:02 am, Oct 17, 2023



Spencer
architecture studio

DON SPENCER A.I.A.
ARCHITECT +
OWNERS REPRESENTATIVE
719 696 5783
RDSPENCER2017@GMAIL.COM
404 SAN JUAN AVE. ALAMOSA, CO 81001

CONSULTANTS
Andregg Davis Engineering, LLC
216 Horizon Drive
Fredricksburg, TX 78624
218 229 9127

STAMP & SIGNATURE

Andregg Davis
9/26/2023

PROJECT
New Facility
Entrance

408 La Garita Street
Creede, CO 81130

Mineral County
Colorado

OWNER
City of Creede

Virginia Christensen
Multi-Use Facility

SUBMITTALS

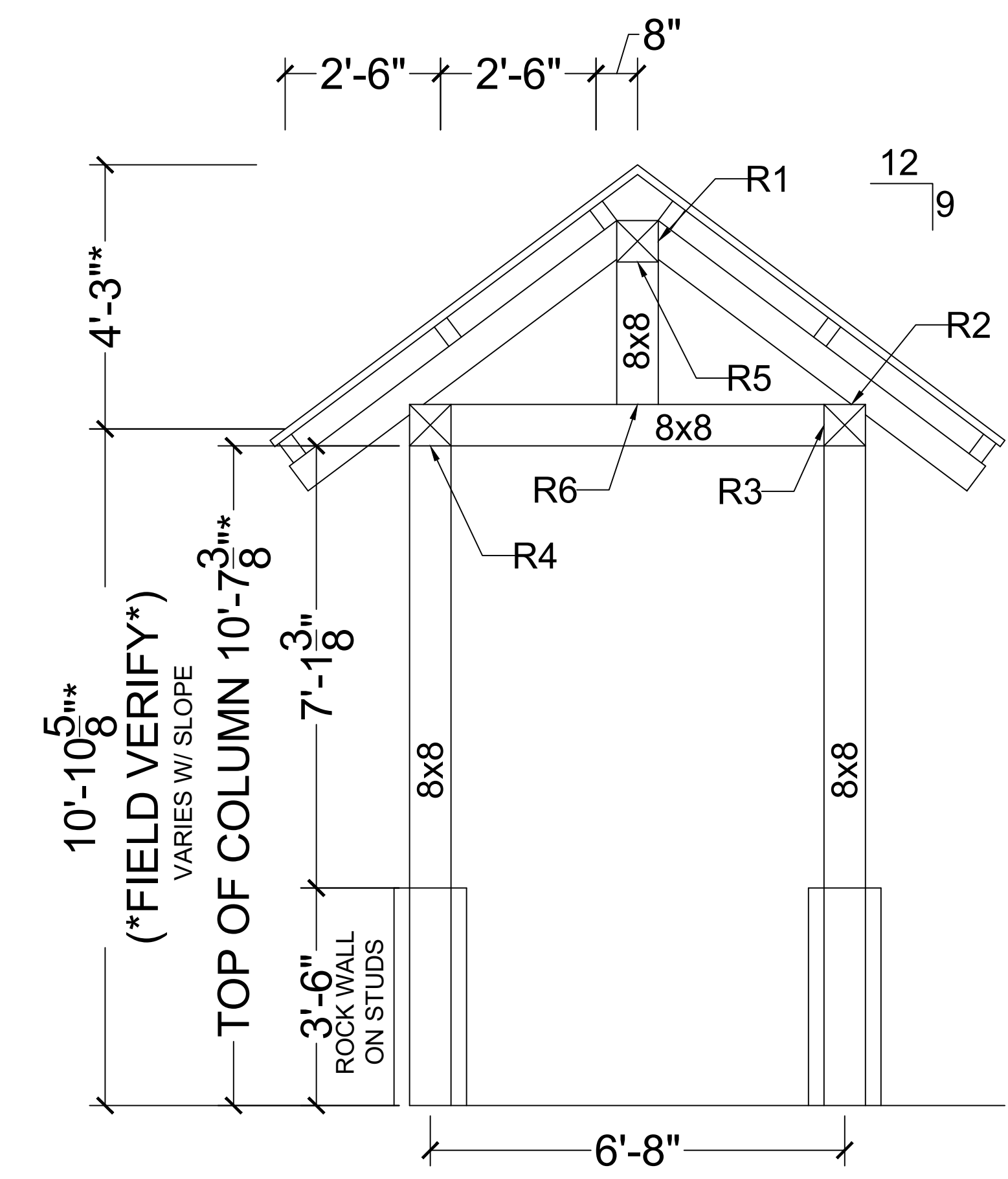
No.	Date	Description
1		Preliminary Design
2		Schematic Design
3		Construction Documents

DRAWING INFORMATION

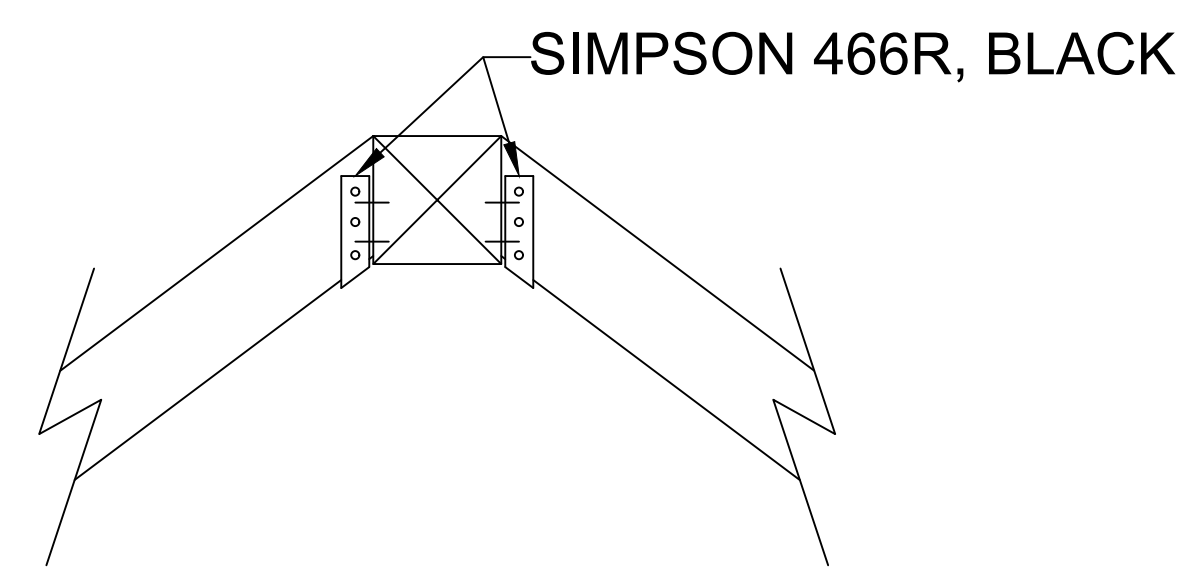
Job Number:	JOB NUMBER
Print Draft Number:	1
Drawn By:	RZ
Checked By:	RDS
Drawing Date:	09/23/2023

SHEET TITLE
Framing

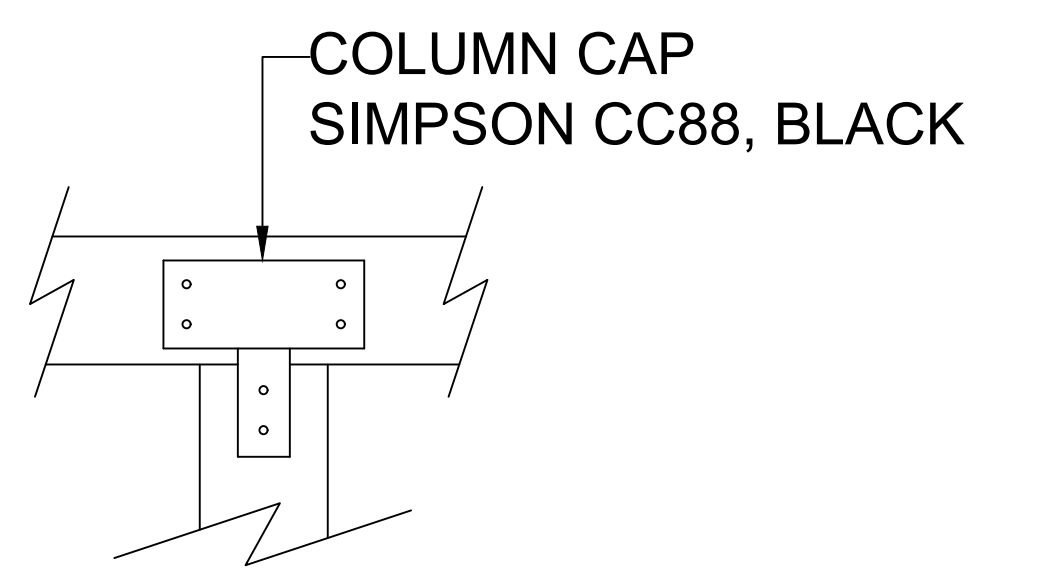
S3.0
Sheet Number: 4 of 4



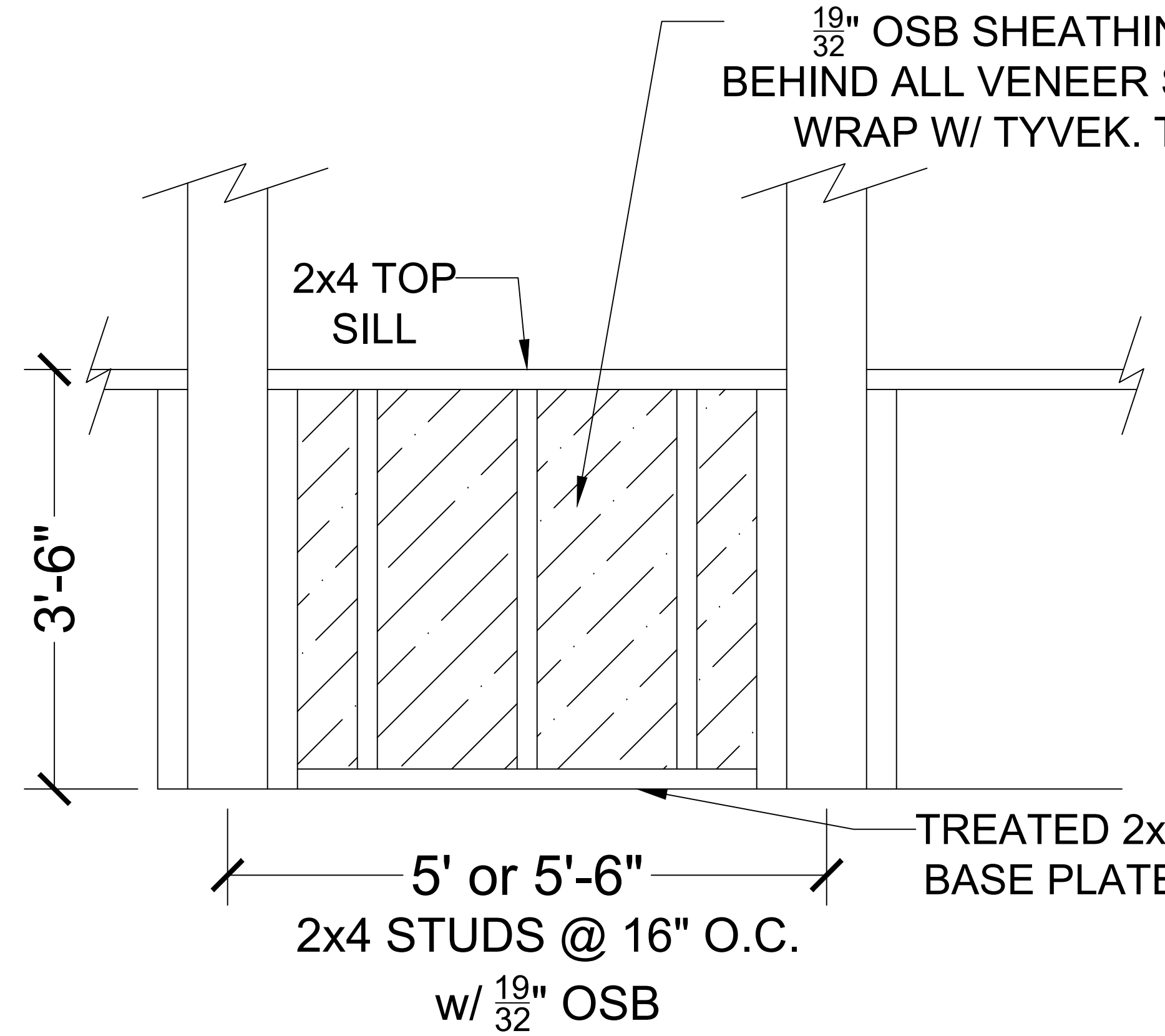
1 TYPICAL FRAME
SCALE: 1/2" = 1'-0"



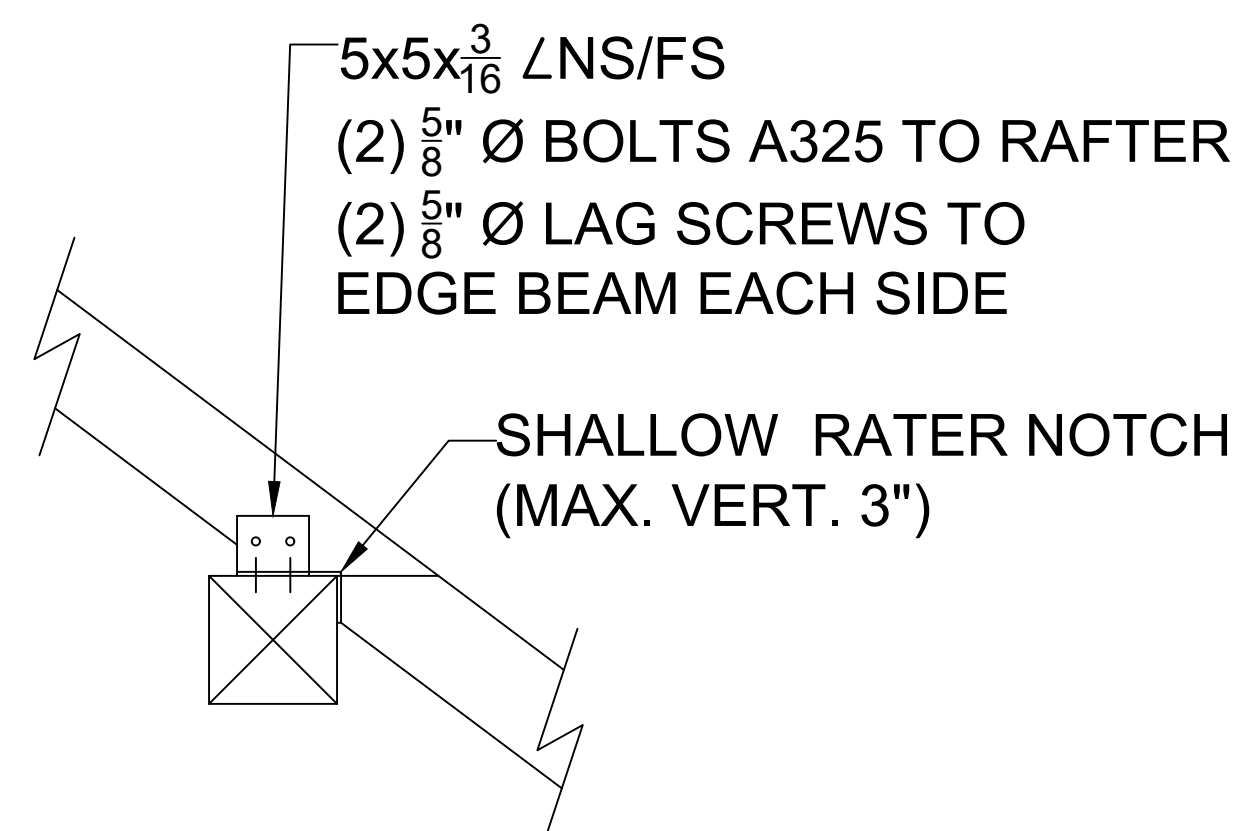
4 R1 - RIDGE BEAM TO RAFTER
SCALE: 1" = 1'-0"



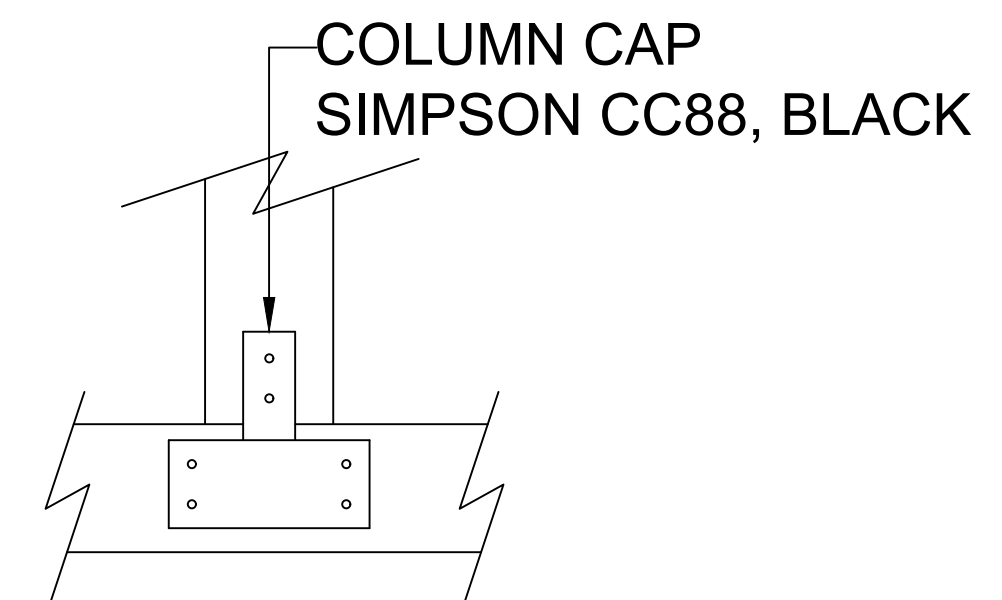
7 R-4 & R5 - BEAM TO COLUMN
SCALE: 1" = 1'-0"



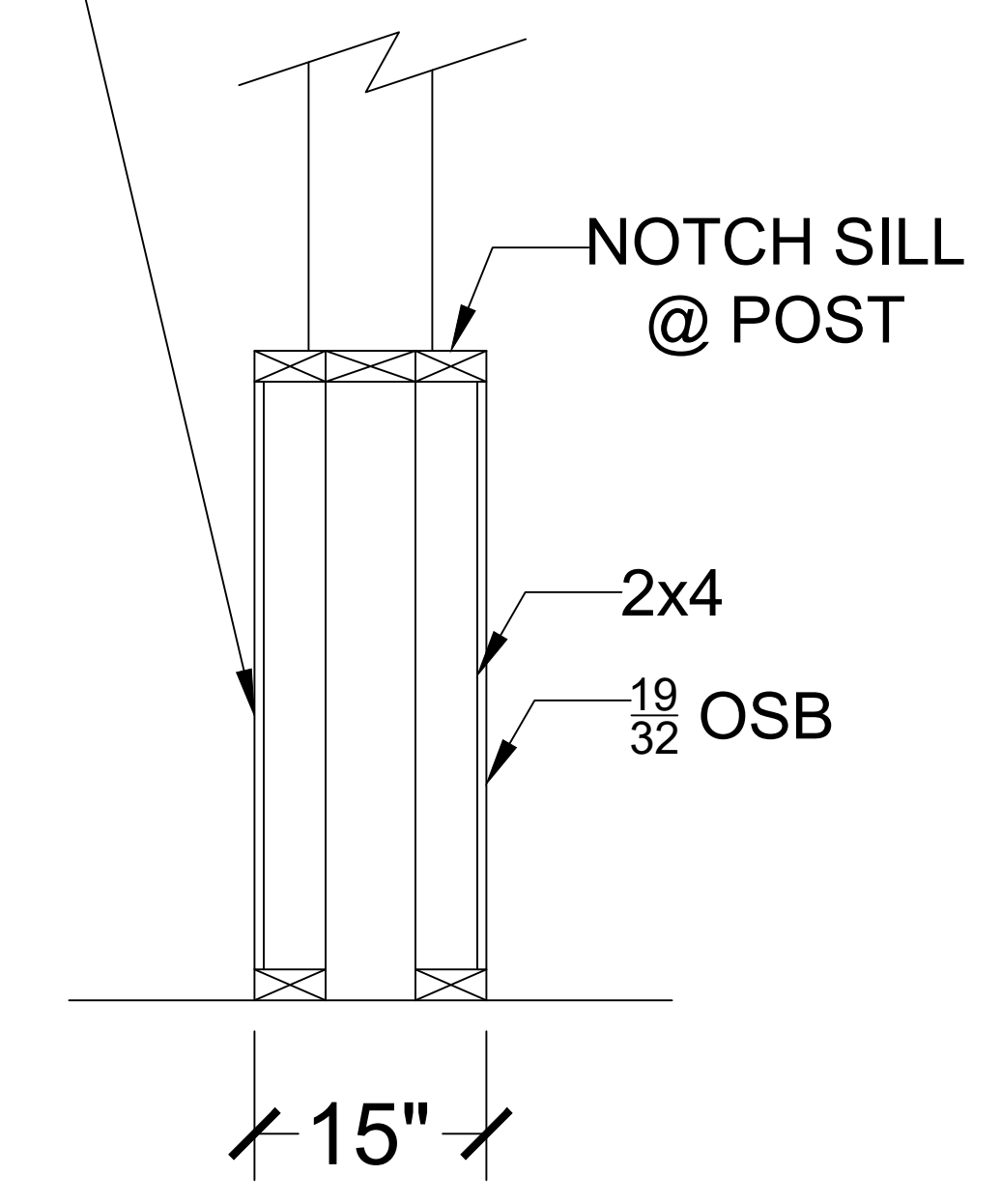
2 WOOD SUPPORTING STONE WAINSCOT
SCALE: 1" = 1'-0"



5 R2- EDGE BEAM TO RAFTER
SCALE: 1" = 1'-0"



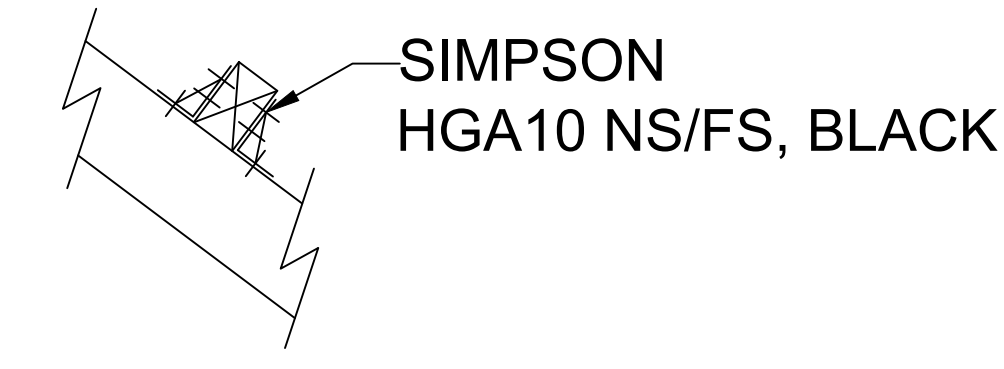
8 COLUMN TO HEADER
SCALE: 1" = 1'-0"



3 WALL X-SECTION
SCALE: 1" = 1'-0"



6 R3-HEADER TO EDGE BEAM
SCALE: 1" = 1'-0"



9 R7-PURLIN CLIP TO RAFTER
SCALE: 1" = 1'-0"