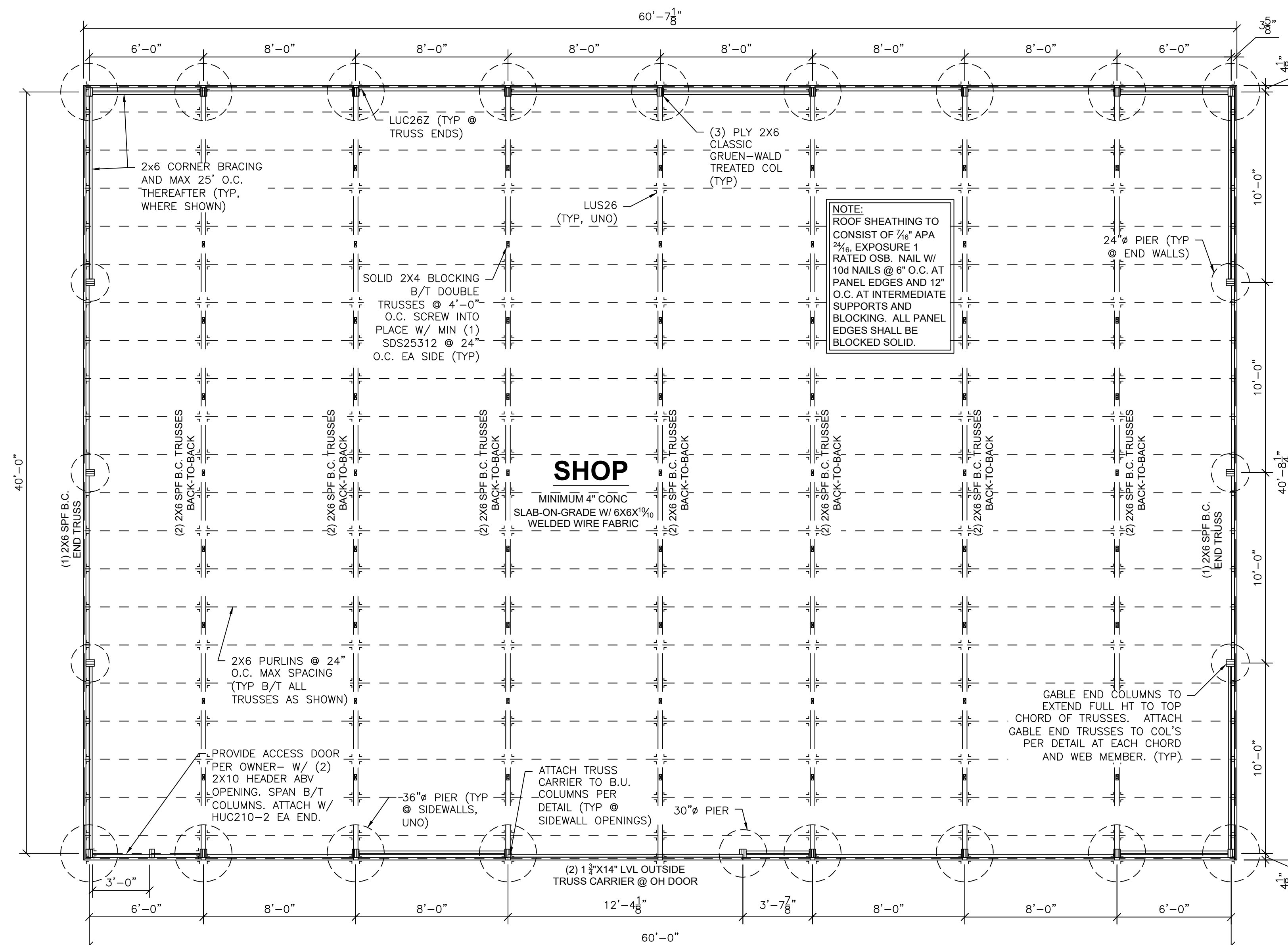


SHEET INDEX	
S-1	GENERAL NOTES, FDN & ROOF FRAMING PLAN, & FDN DETAILS
S-2	FRAMING DETAILS



FOUNDATION/ROOF FRAMING PLAN
1/4"=1'-0"

T1 truss throughout

GENERAL NOTES:

- Foundation design is based upon framing details and directions provided by the owner/contractor, unless otherwise noted. Subsequent changes should be brought to the attention of the Engineer for possible revisions to this foundation plan.
- Dimensions and locations shown are based on information provided by the owner/contractor. All dimensions and locations shall be verified by general contractor and concrete subcontractor prior to construction. Any discrepancies must be brought to the attention of the Engineer.
- Footings and foundations have been designed per the original Open Hole Inspection report for the existing residence at 18840 Sweet Road, Peyton, CO 80831, by Allison Engineering, dated October 12, 2017. Per said report, an allowable soil bearing pressure of 1,500 psf (dead plus full live load) and no minimum dead load has been assumed. Active and at-rest lateral earth pressures of 45 psf and 60 psf respectively have also been assumed.
- Excavation observations shall be performed by the Geotechnical Engineer or a representative of Cornell Engineering, LLC prior to the start of foundation construction in order to verify the design allowable bearing pressures and soil conditions present. Contractor shall notify Engineer at least 48 hours prior to scheduled foundation construction. Over-excavation or deepening of excavation may be directed for those portions of the excavation which do not allow foundation bearing on adequate and / or undisturbed bearing soils.
- All Structural fill & backfill shall be granular in nature and mechanically compacted to 90% of the Maximum Modified Proctor dry density and 2% ± of the optimal moisture content per ASTM D-1557. All structural fill to be tested after each lift (maximum 12" lifts) by a representative of Cornell Engineering, LLC, or other Geotechnical Engineering Firm and the results presented to Cornell Engineering, LLC.
- The foundation reinforcing steel observations are recommended to be performed by a representative of Cornell Engineering, LLC, prior to placing foundation concrete. Contractor shall notify Engineer at least 48 hours prior to scheduled foundation construction.
- Failure to have a representative of Cornell Engineering, LLC perform said inspections shall relieve them of all liability resulting from deficiencies directly related to the inspections not performed. All inspections performed by Cornell Engineering, LLC will be billed at our normal hourly rates and are not included in our design fees.
- Bottom of exterior footings shall be a minimum of 30 below finished grade, U.N.O.
- All reinforcing to be No. 4, deformed type grade 60 steel, U.N.O. Minimum splice length 48 bar diameters.
- All foundation concrete to be 3,000 psi minimum compressive strength at 28 days (type I-II cement).
- Provide positive drainage away from all backfill zones. 6" of fall in the first 10' from the foundation/exterior walls is recommended where possible. Where less permeable materials are used within 10' of the foundation/exterior walls (i.e. concrete) a 2% exterior grade may be used.
- No structural members shall be cut, notched, or otherwise penetrated unless specifically approved by the Engineer in advance or shown on the approved drawings.
- All columns bearing directly on a footing pad shall be built-up (3) 2x6 (actual 4 1/8" x 5 1/2") pre-engineered Gruen-Wald Classic columns having MSR 1650 SFF upper piles finger jointed to #1 SYP 0.80 CCA lower piles by Gruen-Wald or approved equal unless otherwise specified. All other framing members to be Hem Fir #2 or better, U.N.O.
- All bolts shall conform to ASTM A307 Grade A, unless noted otherwise on the drawings.

GENERAL NOTES CONT:

- This structural plan is not to be reproduced, modified or used for any other project except for the shop located at 18840 Sweet Road, Peyton (El Paso County), CO.
- All construction shall be in accordance with the requirements of the 2015 International Residential Code (IRC), the 2017 PPRBD Code Amendments, and with all applicable OSHA regulations.
- All steel siding to be Pro-Panel II or approved equal. Attach to every purlin and girt per manufacturer with minimum #10-14 wood screws at 9" O.C. across the width of the panel and 1/2"-14x6" stitch screws at 1'-0" O.C. for side lap fasteners along panel length.
- All built-up wood beams and headers shall be glued and nailed in accordance with the applicable schedule (U.N.O.)

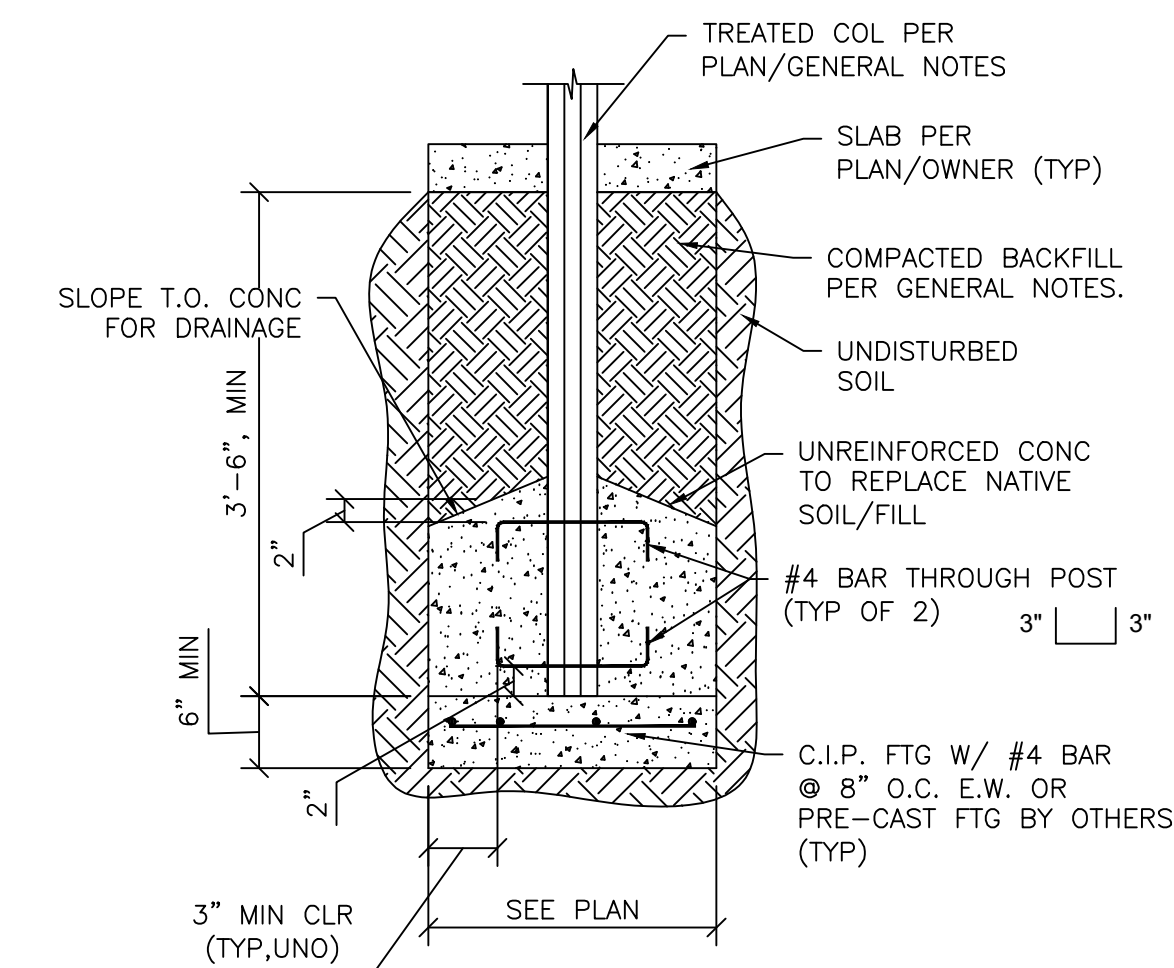
LOAD APPLIED TO	NOMINAL DEPTH	NO. OF PLYS	NAILING PATTERN
TOP	≤12"	2	2 ROWS 10d NAILS @ 12" O.C.
		3	2 ROWS 16d NAILS @ 12" O.C. (EA. SIDE)
		2	3 ROWS 10d NAILS @ 12" O.C.
SIDE	≤12"	2	2 ROWS 10d NAILS @ 6" O.C.
		3	2 ROWS 16d NAILS @ 6" O.C. (EA. SIDE)
		2	3 ROWS 10d NAILS @ 6" O.C.
	>12"	3	3 ROWS 16d NAILS @ 6" O.C. (EA. SIDE)

PRIOR TO TRUSS FABRICATION, CROSS-CHECK AND FIELD VERIFY ALL DIMENSIONS. ENGINEER IS NOT RESPONSIBLE FOR DIMENSIONAL INCONSISTENCIES.

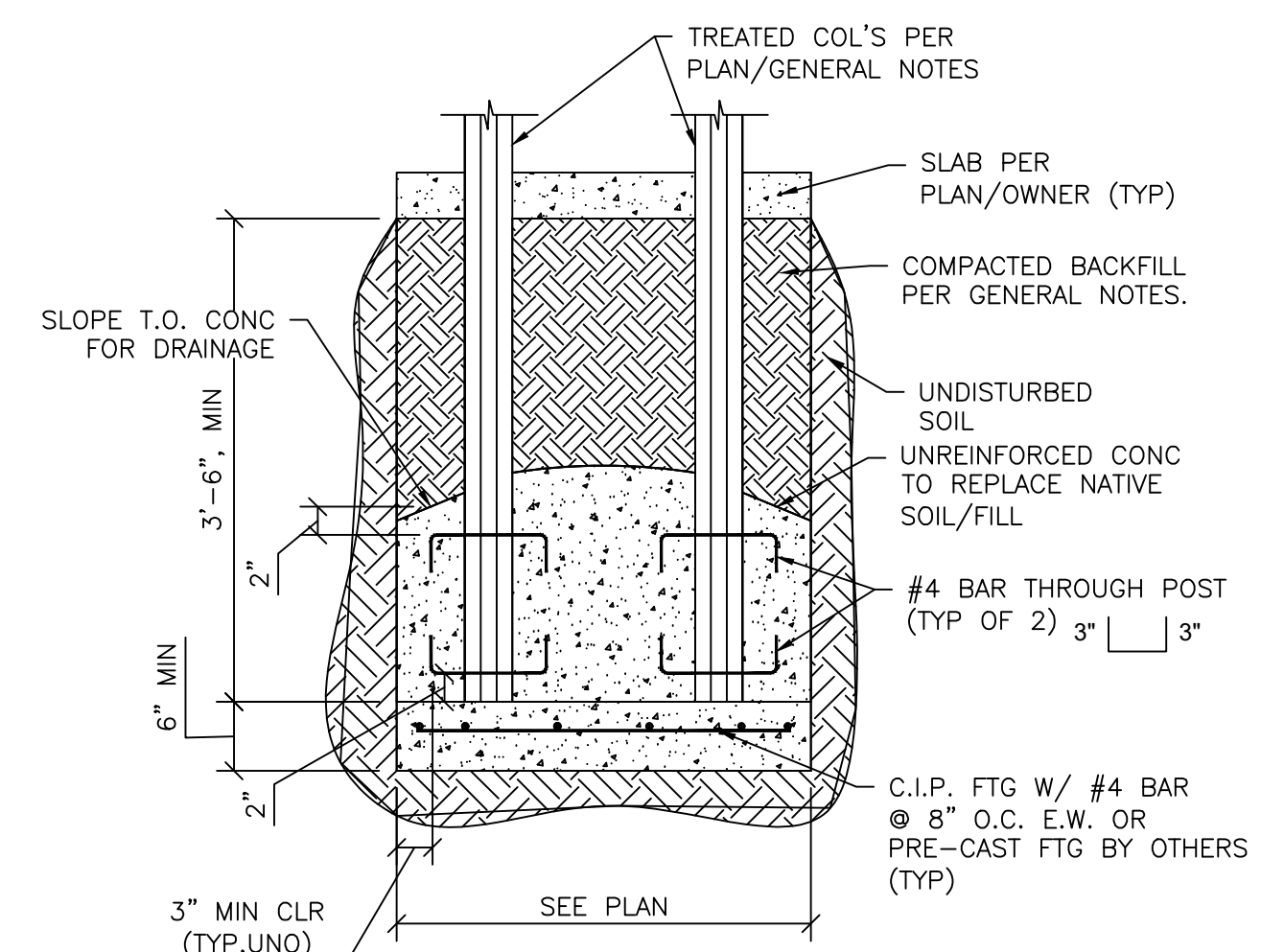
PRIOR TO PLACING CONCRETE THE G.C. SHALL VERIFY DOOR SIZES AND LOCATIONS. THE G.C. SHALL VERIFY AND CROSS-CHECK ALL DIMENSIONS SHOWN ON THIS PLAN W/ THE ARCHITECTURAL PLANS AND TRUSS DRAWINGS.

FOOTING FORMWORK AND REBAR REQUIREMENTS:
 1. ALL LOOSE SOIL SHALL BE REMOVED FROM INTERIOR OF FORMWORK.
 2. REBAR SHALL BE CHAIRED UP 3" FROM SOIL. (CHAIRS SHALL BE MASONRY, PLASTIC, OR STEEL PREFAB CHAIRS.)
 3. REBAR SHALL BE MAINTAINED 3" CLEAR FROM SIDES OF EXCAVATION.

DESIGN LOADS: 2015 IRC with local amendments
 • Roof LL: 20 pounds per square foot
 • Snow Load: 40 pounds per square foot (Site Elevation: 7118 ft +/-)
 • Wind: 130 mph (ult), 3-Second Gust Exposure C
 • Seismic: B (Design Category)



TYPICAL PIER FOOTING
3/4"=1'-0"

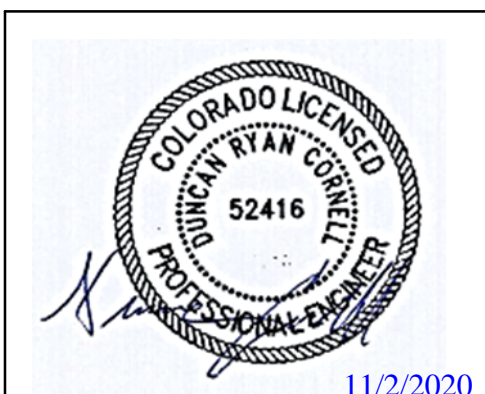


COMBINED PIER FOOTING
3/4"=1'-0"

SOILS REPORT AND FOUNDATION DESIGN BY LICENSED COLORADO ENGINEER OR ARCHITECT SHALL BE ON HAND AT TIME OF FIRST INSPECTION.

Client/Project: **H Diamond J - Gaudet Shop**
 Mailing Address: 18840 Sweet Road
 Peyton, CO 80831

REV. #	DATE	ISSUED FOR:
0	11/02/2020	FOR CONSTRUCTION

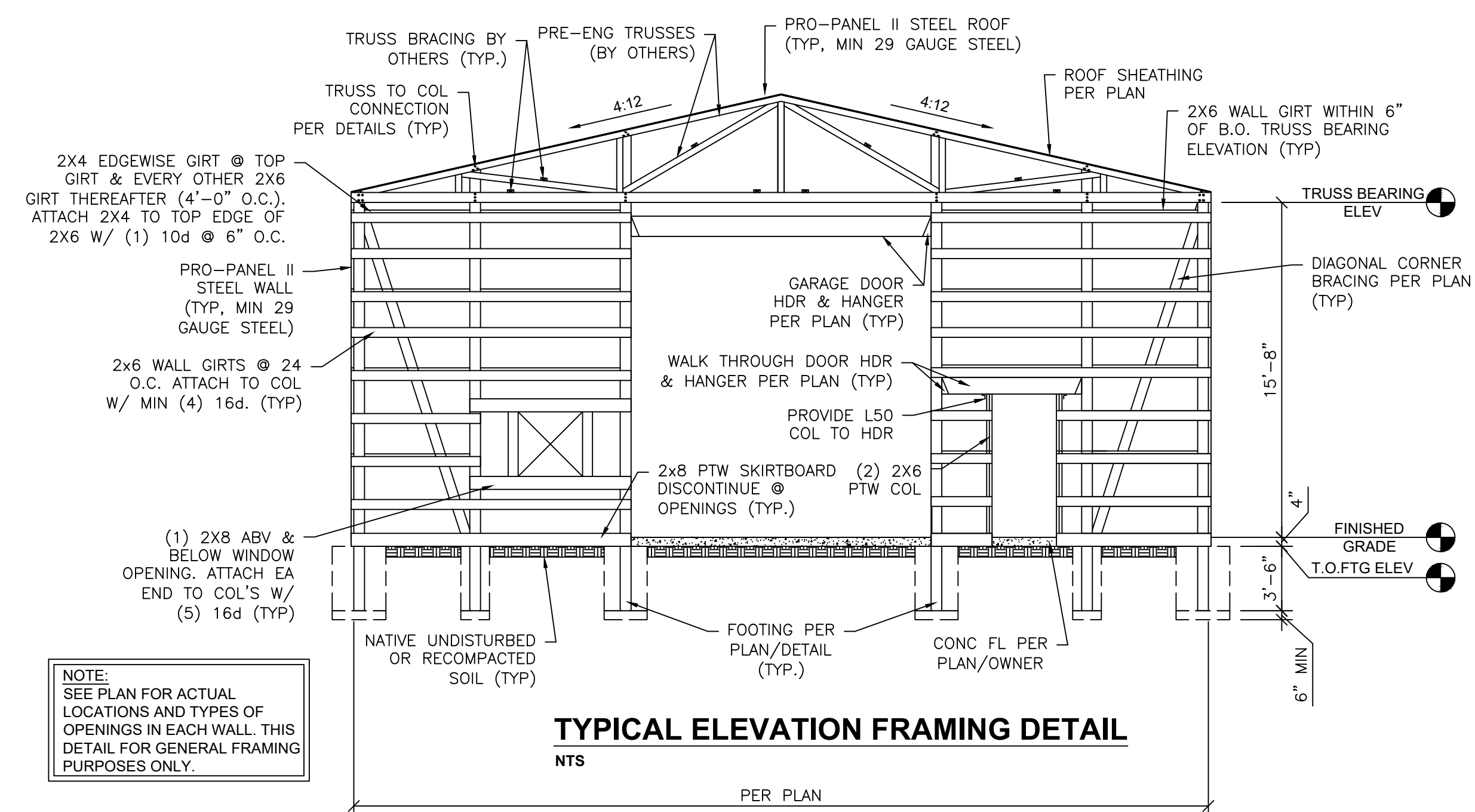


GENERAL NOTES, FDN & ROOF FRAMING PLAN, & FDN DETAILS

DRAWN BY: DRC
 CHECKED BY: DRC
 APPROVED BY: DRC
 SCALE: AS NOTED
 CE PROJECT NUMBER: **201003**
 SHEET NUMBER: **S-1**

SHEET INDEX

S-1	GENERAL NOTES, FDN & ROOF FRAMING PLAN, & FDN DETAILS
S-2	FRAMING DETAILS

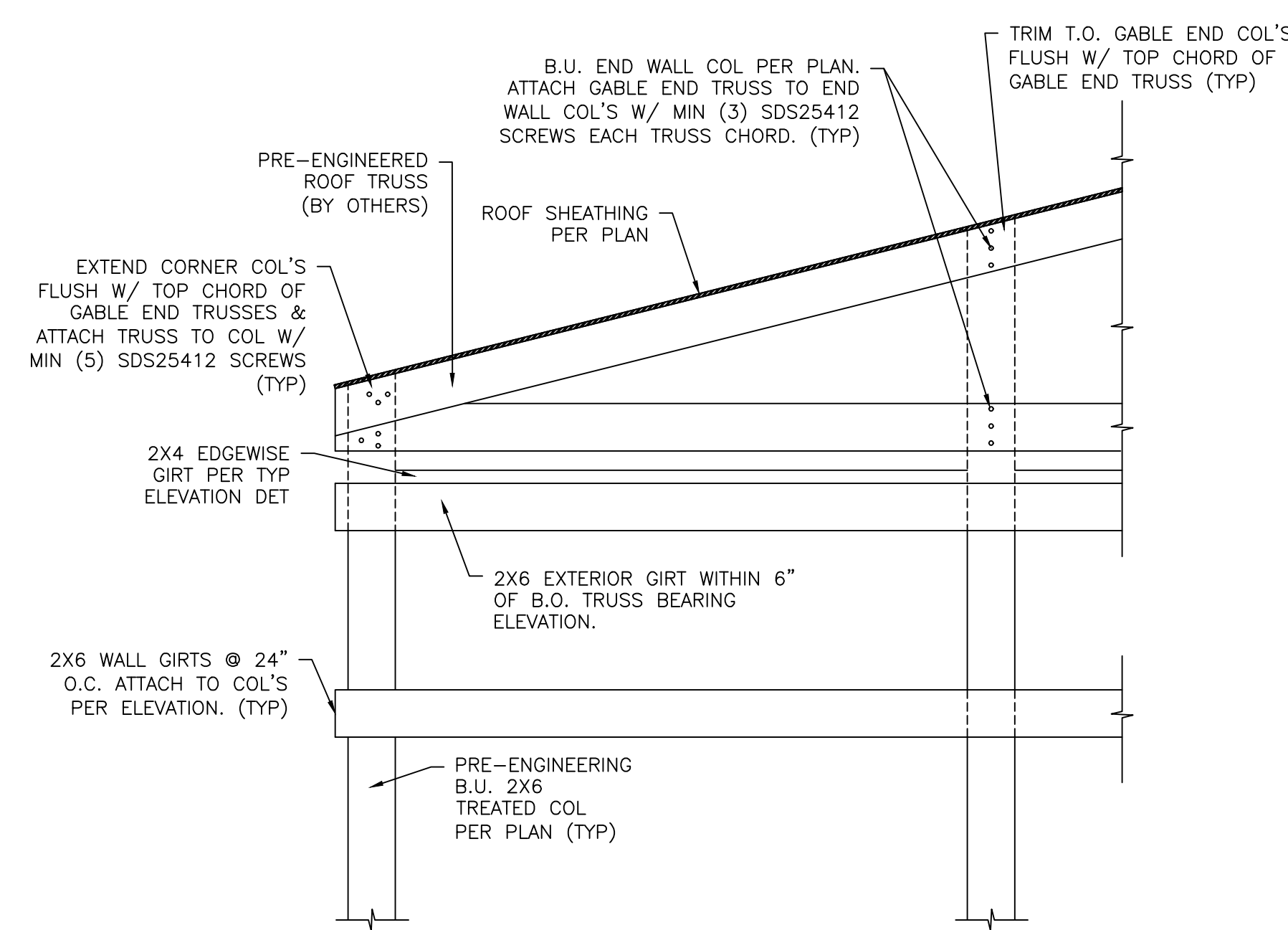


TYPICAL ELEVATION FRAMING DETAIL

NTS

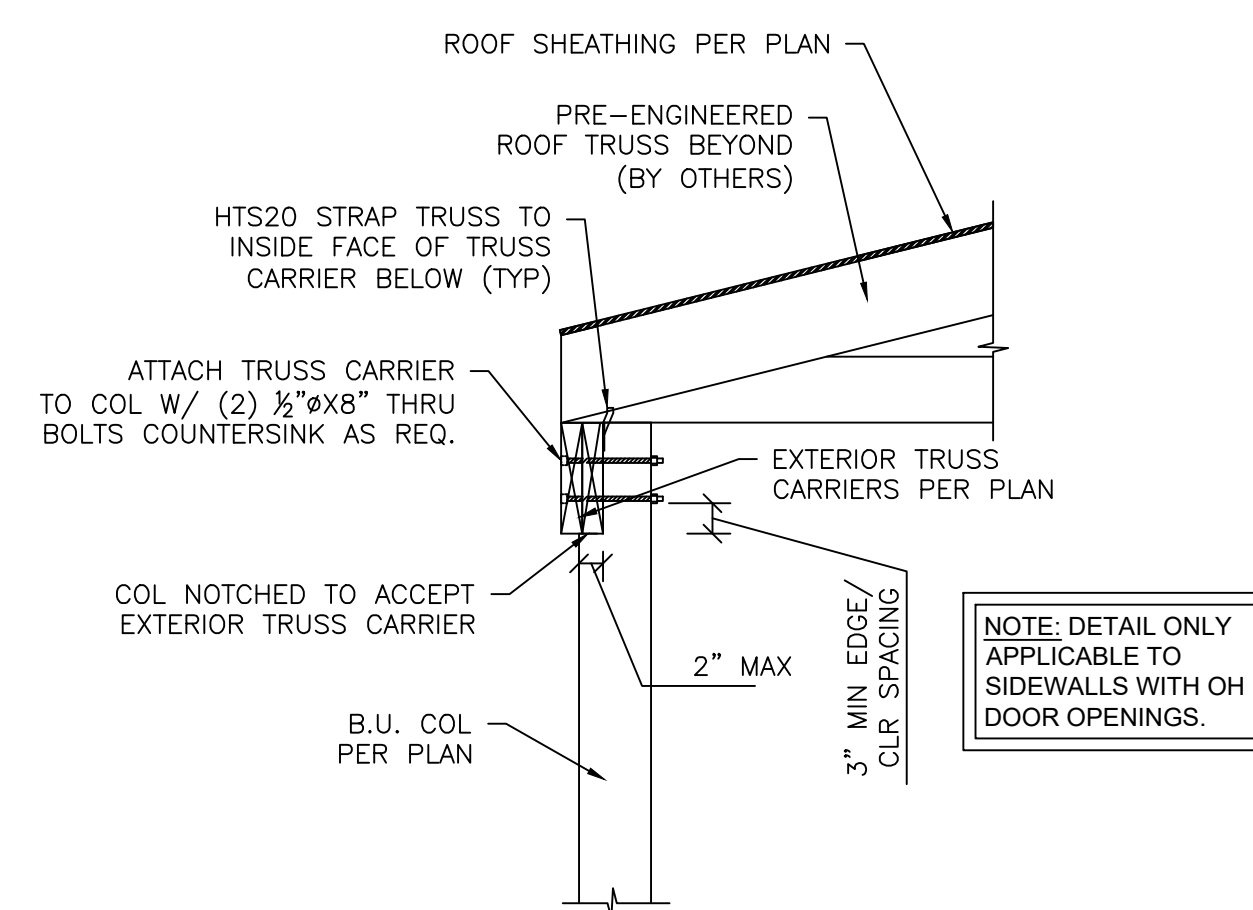
PER PLAN

NOTE:
SEE PLAN FOR ACTUAL
LOCATIONS AND TYPES OF
OPENINGS IN EACH WALL. THIS
DETAIL FOR GENERAL FRAMING
PURPOSES ONLY.



ENDWALL-SIDEWALL CONNECTION

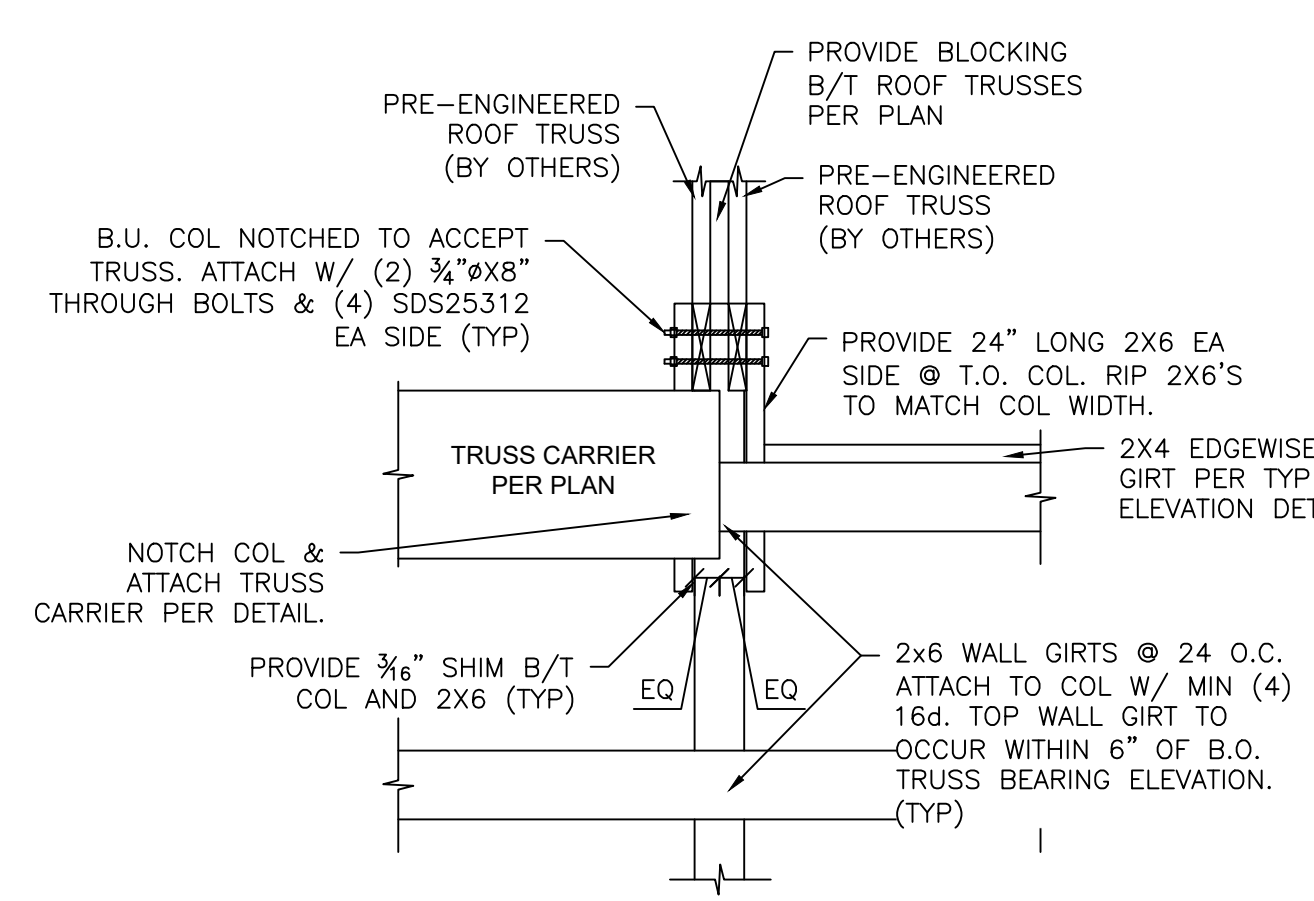
3/4"=1'-0"



TRUSS CARRIER-COLUMN CONNECTION

3/4"=1'-0"

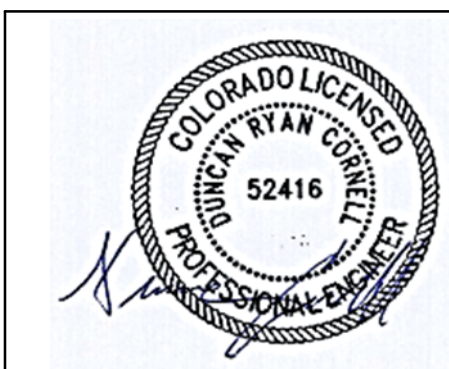
NOTE: DETAIL ONLY
APPLICABLE TO
SIDEWALLS WITH OH
DOOR OPENINGS.



TRUSS-COLUMN CONNECTION

3/4"=1'-0"

REV. #	DATE	ISSUED FOR:
0	11/02/2020	FOR CONSTRUCTION



11/2/2020

SHEET TITLE:
FRAMING DETAILS

DRAWN BY: DRC

CHECKED BY: DRC

APPROVED BY: DRC

SCALE: AS NOTED

CE PROJECT NUMBER:

201003

SHEET NUMBER:

S-2

Client/Project:
H Diamond J - Gaudet Shop
Site Address:
**18840 Sweet Road
Peyton, CO 80831**

Mailing Address:
**P.O. Box 605
Peyton, CO 80831**