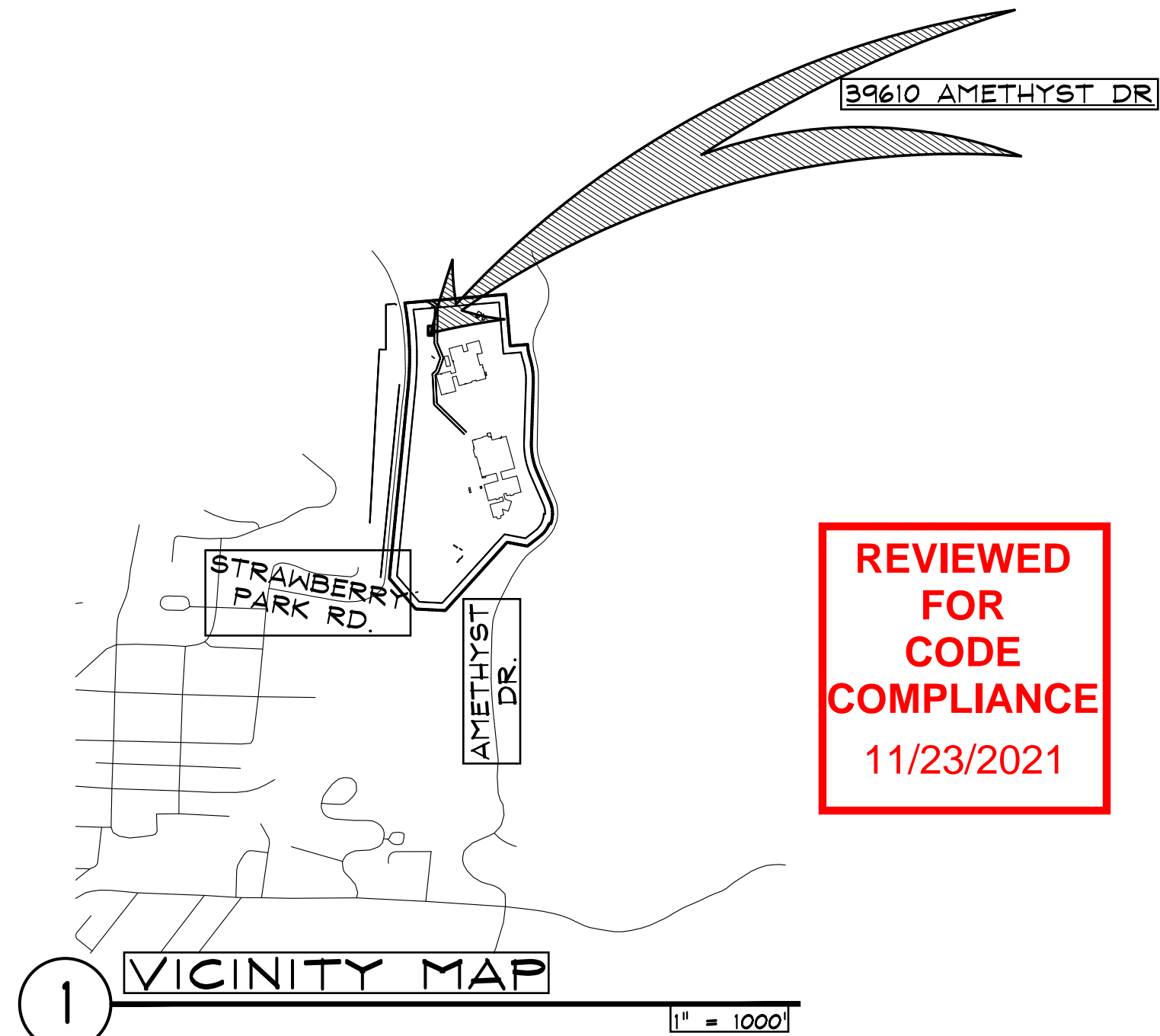
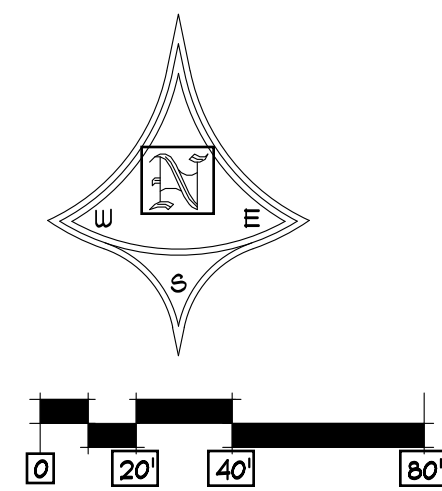


**2 SITE PLAN**  
NOT A CERTIFIED PLAT - BASED ON SURVEY BY LANDMARK DATED: 12.13.19  
DASHED CONTOUR LINES REPRESENT EXISTING ELEVATIONS @ 2 FT. INTERVALS

SCALE: 1" = 40'-0"



**1 VICINITY MAP**  
1" = 1000'

**REVIEWED  
FOR  
CODE  
COMPLIANCE**  
11/23/2021

## LEGAL DESCRIPTION

LANDS IN 6-84 TR OF LAND EAST OF  
RCR  
36 IN SE4NW4NW4, SW4NE4NW4,  
E2SW4NW4, W2SE4NW4, NE4NW4SW4,  
NW4NE4SW4 SEC 9-6-84  
(HDR#2014-052, #755408) TOTAL:  
39.31AC

## CODE STUDY

Re: 2015 IBC, 2015 IEBC, ROUTT COUNTY ZONING REGULATIONS

ZONING: AF - AGRICULTURAL AND FORESTRY  
CONSTRUCTION TYPE: V-B  
OCCUPANCY CLASSIFICATION: GROUP U  
NO. STORIES: 1 (1-STORY MAX. ALLOWED)  
SIZE OF BUILDING: 1500 SQ. FT. (5500 SQ. FT. MAX. ALLOWED)  
SIZE OF LOT: 1,712,343.60 SQ. FT. (39.31 AC.) (35 AC. MIN. ALLOWED)  
SETBACKS:  
FRONT: 50'-0" PRIMARY  
SIDE: 50'-0" PRIMARY  
REAR: 50'-0" PRIMARY  
FLOOR AREA RATIO: NA FOR PRINCIPAL STRUCTURE  
BUILDING HEIGHT: OH: 14'-10"+/-, (40' MAX. ALLOWED)  
FIRE-RESISTANCE RATING REQ.: 143'+/- WALL-TO-WALL (10' MIN. ALLOWED)  
(IBC, TABLE 602, FOOTNOTE H)

## SHEET SCHEDULE

SHEET	CONTENTS
C-1	SITE & UTILITY PLAN, VICINITY MAP & CODE STUDY
S-1	PLAN VIEW AND STRUCTURAL NOTES
S-2	FOUNDATION & ROOF FRAMING PLANS
S-3	BUILDING SECTION & MANUFACTURED TRUSS SCHEMATIC
S-4	BUILDING SECTION & ELEVATIONS



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**SCHOOL DISTRICT POLE BARN**  
39610 AMETHYST DR.  
STEAMBOAT SPRINGS, COLORADO  
A POLE BARN FOR:  
STEAMBOAT SPRINGS SCHOOL DISTRICT RE-2

**ISSUE DATES**  
PERMIT SET  
6.10.20

DRAWN BY: BKH  
REVIEWED BY: CWN  
PROJECT # 20058  
SITE & UTILITY  
PLAN, VICINITY  
MAP & CODE STUDY  
**C-1**  
SHEET 1 of 5



STRUCTURAL NOTES

<b>Applicable Codes and Standards:</b>	
A.	2015 International Building Code (including all local adoptions)
B.	2015 International Residential code (including all local adoptions)
C.	City of Steamboat Springs Community Development Code
D.	"Minimum Design Loads for Buildings and Other Structures" - ASCE 7-10
E.	"Building Code Requirements for Structural Concrete" - ACI318
F.	"Steel Construction Manual" - AISC fourteenth edition
G.	"National Design Specification for Wood Construction" - ANSI/AP#PA-NDS 2015
<b>Design Live Loads:</b>	
A.	Roofs: 90 psf Ground Snow Load, 55 psf Roof Snow Load
B.	Floors: 40 psf
C.	Decks: 100 psf
D.	Wind: 115 mph, Exposure B
E.	Seismic Design: Category B, Soil Type D

<b>Foundation Criteria:</b>	
A.	Design of continuous and individual footings is based on a maximum allowable soil bearing pressure of 3,000 psf dead load plus full live load and no minimum dead load placed directly on the natural sands and gravels below frost depth. Refer to soils report No. 19-11673 by Northwest Colorado Consultants, Inc.
B.	Per the soils report, expansive soils were encountered at proposed construction site. The owner is aware of the risks associated with expansive soils and has approved the use of the proposed foundation system.
C.	The pier holes should be properly cleaned and de-watered prior to placement of reinforcing and concrete. Concrete shall be placed as soon as practical to minimize the potential for caving soils.

<b>Reinforced Concrete:</b>	
A.	Structural concrete shall be Type I, and have a minimum 28 day strength of 3,000 psi. Exterior concrete slabs shall be Type I and have a minimum 28 day strength of 4,000 psi. All concrete shall have a min 6% (+/- 1.5%) entrained air for durability and a 4" (+/- 1") slump. The maximum aggregate size shall be 3/4". Concrete shall not be placed on frozen ground and shall be protected from freezing for a minimum of 7 days. During cold weather the methods and specifications set forth in ACI 306R-88 shall be followed to prevent frost damage.
B.	All concrete work shall conform to the requirements of ACI318 and 301, latest edition.
C.	All exposed edges shall have a 3/4" chamfer.
D.	Reinforcing bars shall conform to ASTM spec. A615-79 and shall be Grade 60.
E.	At splices, lap bars a minimum of 38 diameters. At corners and intersections, make horizontal continuous or provide matching corner bars. Around openings in walls and slabs, provide (2) #5 bars extending a minimum of 2 feet beyond the edge of the opening. Continuous top bars in walls shall be spliced at mid-span. Continuous bottom bars in walls shall be spliced at supports.
F.	Concrete cover shall conform to ACI 318-08, 7.7. Unless a greater cover is required, concrete cast against earth shall have 3in. min. cover, concrete exposed to earth or weather shall have 2in. min. cover for No. 6 bars & greater, & 1 1/2in. min. cover for No. 5 bars & smaller. Concrete not exposed to weather shall have 3/4" min. cover for No. 11 bars & smaller.
G.	Welded wire fabric shall conform to ASTM 185 and shall be lapped one full mesh at splices and tied together.
H.	Concrete shall be adequately consolidated/vibrated during placement to ensure it is thoroughly placed around all reinforcing steel and embedded fixtures.
I.	Unless noted otherwise, slabs, footings and walls shall not have any horizontal 'cold joints.' All construction joints shall be detailed or reviewed by the Engineer of Record.
J.	Interior concrete slab finish shall be steel trowel finished and exterior concrete slabs shall be broom finished.

<b>Structural Steel:</b>	
A.	Structural steel shall be detailed and fabricated in accordance with the latest version of the AISC Manual of Steel Construction.
B.	All bolts, including anchor bolts, shall conform to ASTM spec. A307.
C.	Structural steel rolled shapes, including plates and angles, shall be ASTM spec. A570, gr. 50ksi.
D.	Expansion bolts called for on the drawings shall be Simpson "Weg-All", "Strong-Bolt 2" or approved wedge type anchors with the following minimum embedments: 3/4" diameter bolts - 3 3/8", 5/8" diameter bolts - 2 3/4", 1/2" diameter bolts - 2 1/4".
E.	All epoxy shall be Simpson "Set-XP" and shall be installed per the "Anchoring and Fastening Systems For Concrete and Masonry" Simpson catalog #C-SAS-2012 by a qualified personnel.
F.	Field welded connections must be inspected by the Engineer of Record.
G.	Fillet welds indicated on the plans shall be of E70xx electrodes and shall be the minimum size specified in the AISC Manual of Steel Construction, Table J2.4.
H.	All welds shall be performed by a certified welder.

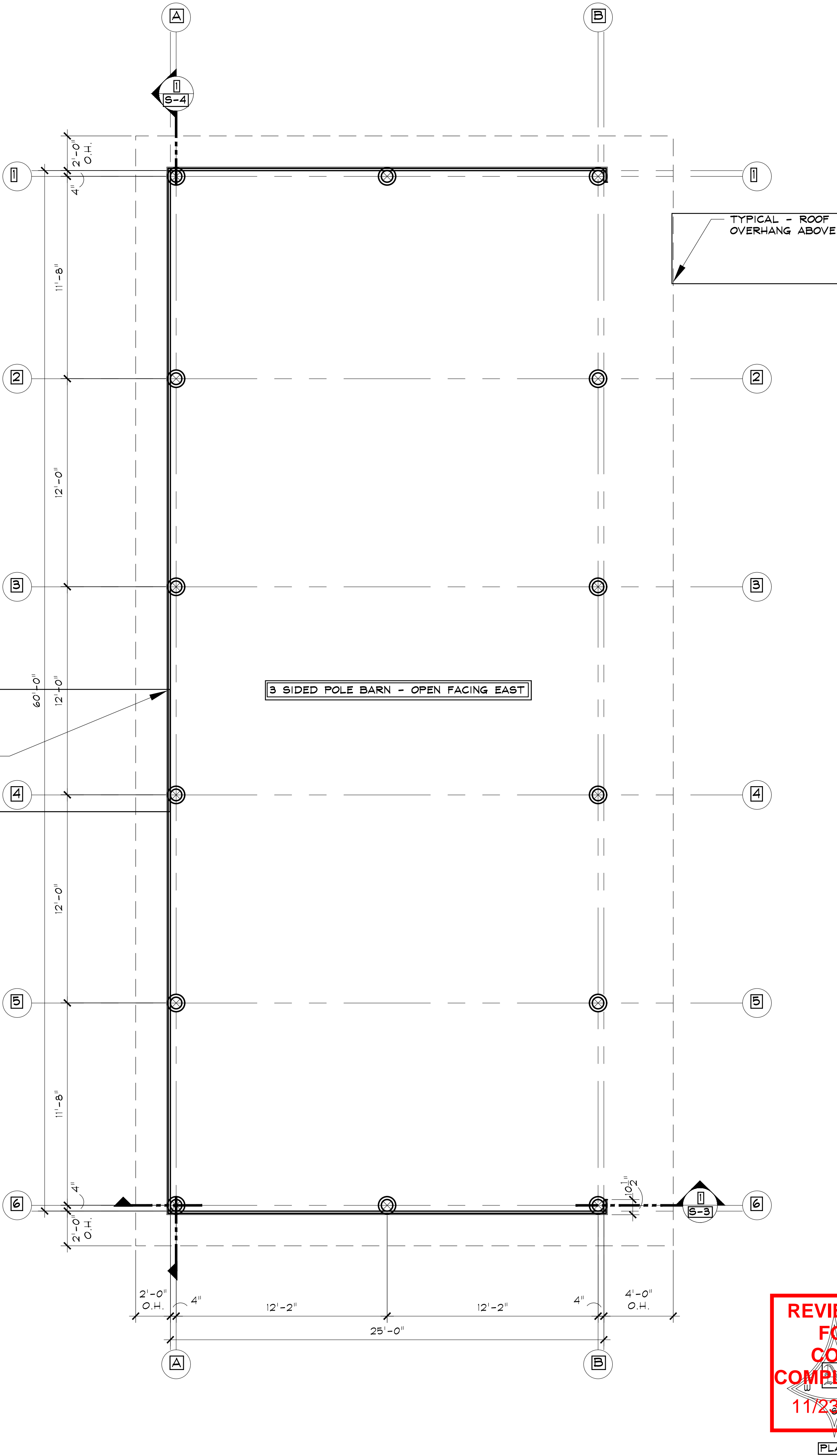
<b>Structural Wood Framing:</b>	
A.	Unless noted otherwise, all 2" lumber shall be Douglas Fir S4S No. 2 and better. All solid timber beams and posts shall be DF-L No. 1 or better.
B.	Unless noted otherwise, minimum nailing shall be provided as specified in Table No. 2304.9.1, "Fastening Schedule", of the 2015 IBC or Table No. R602.3(1), "Fastener Schedule For Structural Members", of the 2015 IRC.
C.	Wall and floor sheathing shall be APA rated with exterior glue and graded in accordance with APA standards. Panel identification and thickness shall be as noted on the drawings.
D.	Where light gauge framing anchors are shown or required, they shall be Simpson "Strong Tie" (or equal approved by ICBO). They shall be installed with the number and type of fasteners recommended by the manufacturer to develop the rated capacity.
E.	Laminated Veneer Lumber shall be of such stress grade to provide an allowable bending stress of 2,600 psi, allowable shear stress parallel to the glue line of 285 psi and a modulus of elasticity of 1,900,000 psi.
F.	Glue laminated timber shall be stress grade marked 24F-V4 unless noted otherwise.
G.	Roof trusses shall be designed by a Colorado Registered Professional Engineer to support the full live load and dead loads of the roof, ceiling, and any other superimposed loads. Calculations and shop drawings, including member sizes, lumber species, and grade and substantiating data for connector capacities and truss bearing, shall be submitted to the Architect or Engineer for review and approval prior to fabrication.
H.	Floor joists shall be plant fabricated I series with LVL or solid wood flanges and plywood or OSB webs, and shall carry ICBO approval for a complete section. Joists shall be designed to carry full live and dead loads of the roof(s), floor(s), and any superimposed loads.
I.	Roof overframing shall be 2x6 rafters @ 24" O.C. w/ 2x6 studs @ 24" O.C. to stack over rafters or purlins below.

<b>Field Verification:</b>	
A.	The contractor shall thoroughly inspect and survey the existing structure to verify dimensions, elevations, framing, etc., which may affect the work shown on the drawings and report any variations or discrepancies to the Engineer.

<b>Backfilling:</b>	
A.	Do not backfill against basement or retaining walls until supporting slabs and floor framing are in place and securely anchored.

ARCHITECTURAL NOTES

<b>GENERAL</b>	
All work must comply with state and local codes, based on the Routt County Zoning Regulations, the 2015 International Building Code, the 2015 International Residential Code, the International Plumbing Code, the International Mechanical Code, the Energy Conservation Code and the International Electric code. The contractor shall comply with all laws, ordinances, rules and regulations of any public authority bearing on the performance of the work, including O.S.H.A.	
Location of the utilities (electrical, telephone, cable TV, gas, water, sewer) shall be verified before construction begins.	
All on site construction safety and construction means and methods are the responsibility of the contractor. There is no implication of the construction safety requirements or building methods contained in these drawings.	
Actual site conditions may require that some of the components of the work should be done differently than shown on these drawings. All dimensions and conditions to be verified by the contractor prior to construction. Verify changes with the designer and engineer.	
These drawings represent a simplified builder's set of plans. Additional detailing may be required of the engineer during construction.	
Any variation which requires a physical change from these plans must be brought to the attention of the designer and engineer in order to maintain the design intent of the project.	
All work connected with this project by any trade involved shall be of the highest quality attainable in accordance with the professional practice of the trade.	
<b>DIMENSIONS</b>	
All interior and exterior dimensions are to face of stud or face of concrete, U.N.O.	
All exterior walls are nominal 2x6 stud construction, U.N.O. All interior walls are nominal 2x4 stud construction, U.N.O.	
Do not scale drawings.	
If any discrepancies are found in these drawings notify engineer and/or designer immediately.	



PLAN VIEW

11,500 S.F. GROSS AREA

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

STRUCTURE LEGEND

<input type="checkbox"/>	COLUMN BELOW
<input checked="" type="checkbox"/>	COLUMN ABOVE
<input type="checkbox"/>	COLUMN CONTINUOUS THIS LEVEL
	BEARING ARROW
	RAFTER
	JOIST
	BEAM
	RIM
	LEDGER
	TYPICAL HEADER
	CLOSURE WALL
	HANGER
	CLIP



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SCHOOL DISTRICT POLE BARN

39610 AMETHYST DR.  
STEAMBOAT SPRINGS, COLORADO  
A POLE BARN FOR:  
STEAMBOAT SPRINGS SCHOOL DISTRICT RE-2

ISSUE DATES

PERMIT SET  
6 . 10 . 20

DRAWN BY: BKH  
REVIEWED BY: CWN  
PROJECT # 20058

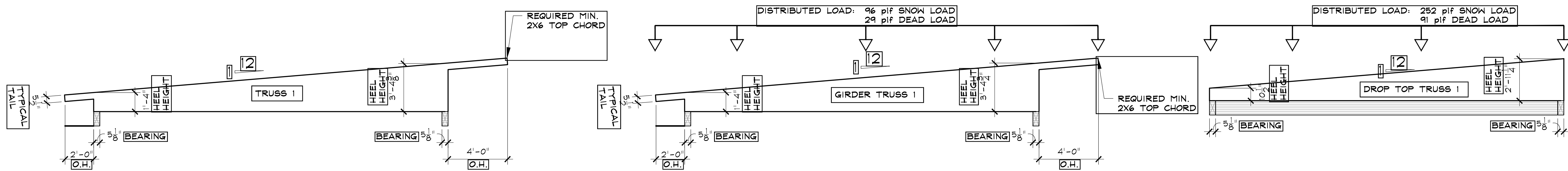
PLAN VIEW &  
NOTES

**S-1**

SHEET 2 of 3



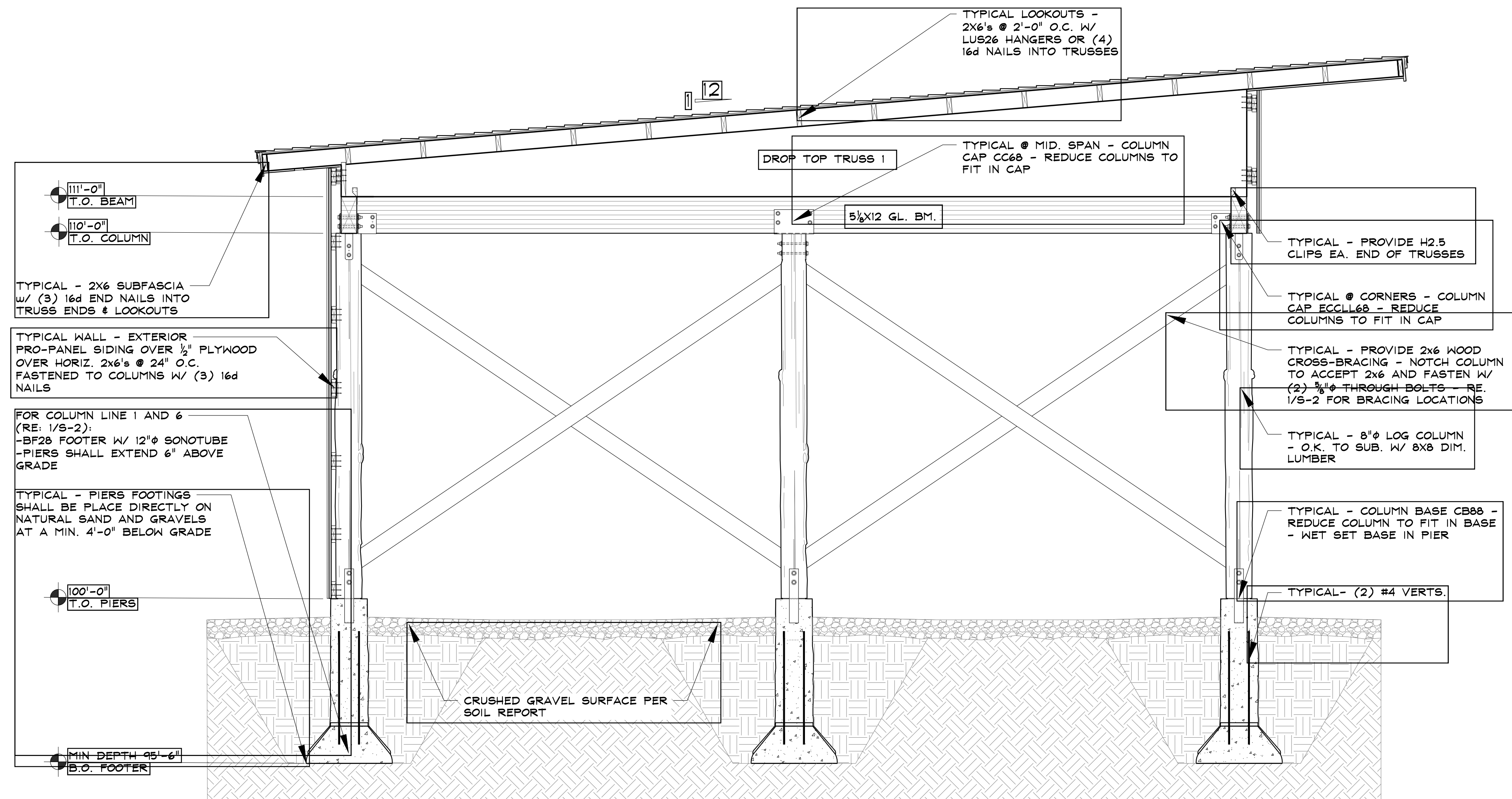




## 2 MANUFACTURED TRUSS SCHEMATICS

TYPICAL - 55 psf SNOW LOAD  
TYPICAL - 20 psf DEAD LOAD  
TRUSSES @ 24" O.C.

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



## 1 BUILDING SECTION

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



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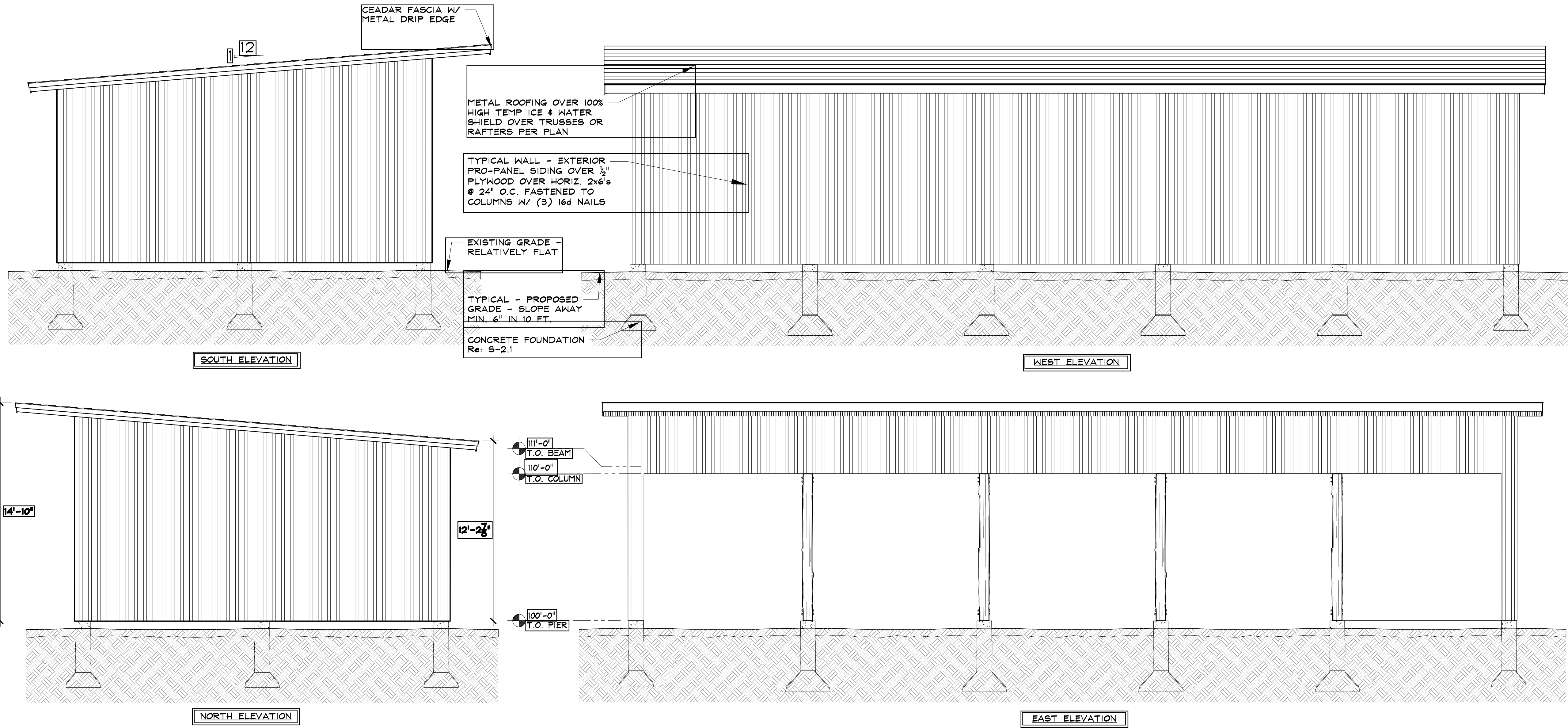
DRAWN BY: BKH  
REVIEWED BY: CKN  
PROJECT # 20058

BUILDING SECTION  
& MANUFACTURED  
TRUSS SCHEMATIC

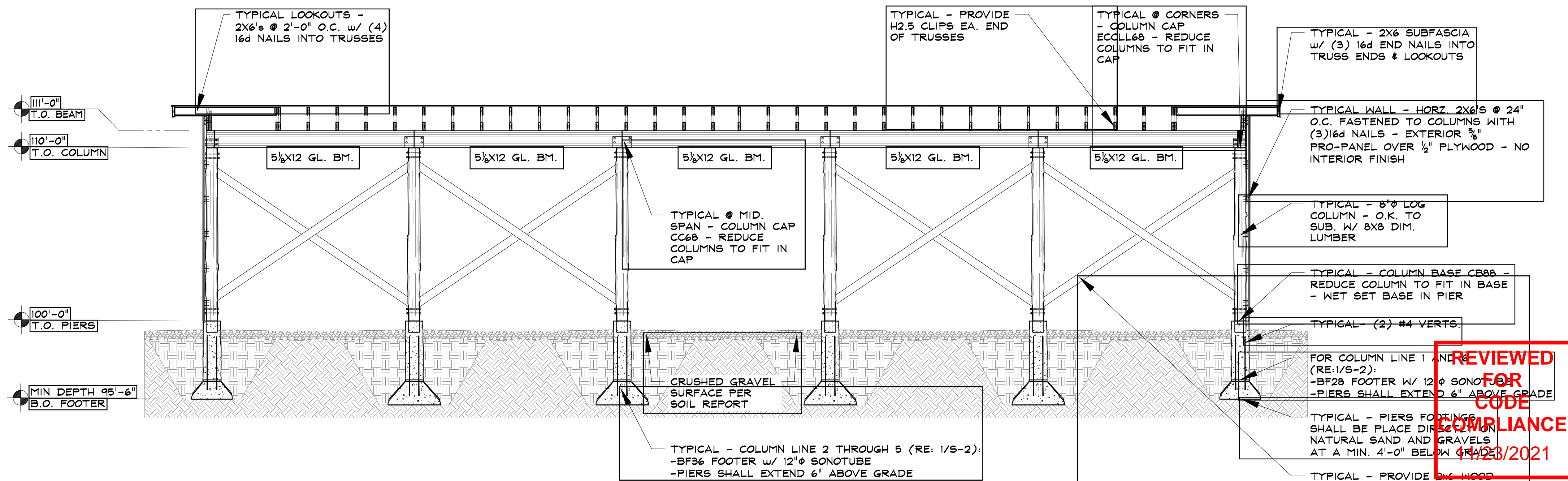
**S-3**

SHEET 4 of 5





2 ELEVATIONS  
NOTES TYPICAL FOR ALL ELEVATIONS



1 BUILDING SECTION



SCHOOL DISTRICT POLE BARN  
39610 ALMETHYST DR.  
STEAMBOAT SPRINGS, COLORADO  
A POLE BARN FOR:  
STEAMBOAT SPRINGS SCHOOL DISTRICT RE-2

ISSUE DATES  
PERMIT SET  
6.10.20

DRAWN BY: BKH  
REVIEWED BY: CWN  
PROJECT # 20058

BUILDING SECTION  
& ELEVATIONS

S-4

SHEET 5 of 5

REVIEWED FOR CODE COMPLIANCE  
11/28/2021