

STRUCTURAL GENERAL NOTES

GOVERNING CODE: 2018 INTERNATIONAL BUILDING CODE (IBC) AND ALL LOCAL AMENDMENTS.

DESIGN LOADS:

RISK CATEGORY:	II, Standard
ROOF LIVE LOADS:	
Roof Live Load:	20 psf
Ground Snow Load (p _s):	116 psf
Flat Roof Snow Load (p _f):	90 psf
Snow Exposure Factor (C _e):	1.0
Snow Load Importance Factor (I _s):	1.0
Thermal Factor (C _t):	1.1
Slope Factor (C _s):	1.0
Snow Drifting and Unbalanced Loads:	In accordance with ASCE 7-16 and as depicted on the roof plans.
FLOOR LIVE LOADS:	
Occupancy or Use:	
Storage Areas:	125 psf
Vault Lid Total Live Load:	450 psf (includes 258 psf Snow/CAT load + 192 psf additional snow load
ROOF AND FLOOR DEAD LOADS:	
Roof - Metal Roof Deck:	20 psf
Roof - M/E/P:	5 psf
Floor - Concrete Topping:	Varies with thickness
Floor - M/E/P:	3 psf
Vault, Concrete Lid:	175 psf (14" thick normal weight concrete)
WIND LOADS (ASCE 7-10):	
Ultimate Wind Speed, 3-second gust (V _{ult}):	115 mph
Allowable Stress Design Wind Speed (V _{all}):	90 mph
Occupancy Risk Category:	II
Internal Pressure Coefficient (GC _p):	±0.18
Wind Exposure:	C

COMPONENTS AND CLADDING DESIGN WIND PRESSURES (PSF) (ASCE 7-16):

Wall Zone (Fig. 30.3-1): USING TRIBUTARY AREA OF 50 SF	
5 Within 3'-0" of corners:	+17.1 psf, -21.5 psf
4 Internally:	+17.1 psf, -18.7 psf
Roof Zone (Fig. 30.3-2A): USING TRIBUTARY AREA OF 25 SF	
3 Within 3'-0" of corners:	+16.0 psf, -52.3 psf
3 Overhangs within 3'-0" of corners and ridges:	+16.0 psf, -47.8 psf
2 Within 3'-0" of edges and ridges:	+16.0 psf, -40.1 psf
2 Overhangs:	+16.0 psf, -35.7 psf
1 Internally:	+16.0 psf, -30.3 psf

Note: All Component and Cladding pressures are Ultimate pressures. To convert to Allowable Stress Design pressures, multiply Ultimate pressures by 0.6.

SEISMIC LOADS:

Occupancy Risk Category:	II, Standard
Seismic Importance Factor (I _s):	1.0
Spectral Response Acceleration Coefficients	
One Second:	S _s : 0.133g S _{u2} : 0.333g
Soils Site Class:	D
Seismic Design Category:	C per local Amendment
Basic Seismic-Force-Resisting System(s):	Ordinary reinforced masonry shear walls
Design Base Shear:	25 kips factored (17.5 kips service)
Seismic Response Coefficient(s) (C _s):	0.17
Response Modification Factor(s) (R):	2.0
Analysis Procedure:	Equivalent Lateral Force Procedure

FOUNDATION DESIGN:

Foundation design is in accordance with recommendations contained in soils investigation Report Number 20-12047 prepared by NWCC dated December 18, 2020
Soil conditions shall be verified by the Geotechnical Engineer prior to placement of formwork or concrete. If different soil conditions exist the structural engineer shall be notified to re-evaluate the foundation design at additional expense to the owner.

FOOTINGS:

Footings, selected by the owner shall bear on the natural undisturbed soils or approved compacted structural fill.
Exterior footings shall bear below frost depth; minimum frost depth shall be 4'-0" below adjacent exterior finished grade.
Design of footings is based on:

Maximum allowable bearing pressure:	3500 psf assuming on site soil
Minimum dead load pressure:	1100 psf on All Non-retaining wall elements

EARTH RETAINING STRUCTURES:

Earth equivalent fluid lateral pressure:	
Walls restrained at top (at rest):	60 psf assuming on site soil
Cantilevered walls (active):	50 psf assuming on site soil
Passive resisting:	275 psf assuming on site soil
Coefficient of sliding friction:	0.4

REINFORCED CONCRETE:

Concrete design is based on the American Concrete Institute "Building Code Requirements for Reinforced Concrete" (ACI 318) and shall be constructed in accordance with the "Standard Specifications for Structural Concrete" (ACI 301).

STRUCTURAL CONCRETE SHALL HAVE THE FOLLOWING PROPERTIES (normal weight concrete unless noted otherwise):

Minimum 28 day compressive strength (f'_c) as follows:

Cement Type:	I/II
Maximum Aggregate Size:	3/4"
Footings:	3,000 psi (Max W/C Ratio 0.52); Entrained Air 1.5% (± 1.5%); Slump 5 inches (± 1")
Walls:	4,000 psi (Max W/C Ratio 0.50); Entrained Air 3.0% (± 1.5%); Slump 4 inches (± 1")
Exposed Walls and Vault walls:	4,500 psi (Max W/C Ratio 0.45); Entrained Air 6.0% (± 1.5%); Slump 4 inches (± 1")
	Maximum 28-day shrinkage = 0.05% per ASTM C157
Structural Bridge Slab:	4,500 psi (Max W/C Ratio 0.50); Entrained Air 6.0% (± 1.5%); Slump 4 inches (± 1")
Structural Slab on Deck:	3,500 psi (Max W/C Ratio 0.50); Entrained Air 3.0% (± 1.5%); Slump 4 inches (± 1")
Exterior Wear Slab at Bridge and Vaults:	3,500 psi (Max W/C Ratio 0.40); Entrained Air 6.0% (± 1.5%); Slump 4 inches (± 1")
Interior Slabs-on-Grade:	3,500 psi (Max W/C Ratio 0.36); Entrained Air 3.0% (± 1.5%); Slump 4 inches (± 1")

Reinforcing steel shall be fabricated and placed in accordance with ACI 315 "Details and Detailing of Concrete Reinforcement."

When cold weather conditions exist, place and cure concrete in accordance with ACI 306.

Welded wire fabric shall conform to ASTM A185.

Deformed reinforcement shall be domestic, new billet steel conforming to ASTM A615, Grade 60 including stirrups and ties, except that reinforcing which is required to be welded shall conform to ASTM A706.

Unless otherwise noted on the structural drawings, lap bars 50 diameters (50" Bar Diameter minimum).

Epoxy coated reinforcing bars shall conform to ASTM A775.

Zinc coated (galvanized) reinforcing bars shall conform to ASTM A767.

Unless otherwise noted on the structural drawings, lap bars per lap splice schedule.

Reinforcing at all abutting concrete (including footings) shall be continuous through or around all corners and intersections OR use matching corner bars of equal size and spacing to reinforcing in the abutting members.

Install 2-#5 bars (minimum) around all sides of all openings in concrete and extend 2'-0" past edges of openings, unless otherwise noted. In continuous members, splice top bars at mid-span between supports and splice bottom bars over supports.

Form intermittent shear keys at all construction joints and as shown on the structural drawings.

Unless otherwise noted on the drawings, minimum concrete cover over reinforcing shall be as follows:

Uniformed surface cast against and permanently exposed to earth:	3"
Formed surface exposed to earth or weather:	
#6 through #18 bars:	2"
#5 bar, w31 or c31 wire, and smaller:	1-1/2"
Formed surface not exposed to weather or in contact with ground:	
Slabs, walls, joists #11 bars and smaller:	3/4"
Beams and columns:	
Primary reinforcement:	1-1/2"
Stirrups, ties, spirals:	1-1/2"

Install chairs, bolsters, additional reinforcement, and accessories necessary to support reinforcement at position shown on drawings. Support of reinforcement on wood, brick, or other unacceptable materials shall not be permitted.

Keep reinforcement clean and free of dirt and oil. Oil forms prior to placing reinforcement.

Fiber admixture shall be 100% virgin polypropylene, fibrillated fibers, type 111 4.1.3, performance level one, per ASTM C1116.

Properly place, accurately position and maintain securely in place all embedded items prior to and during concrete placement.

Anchor bolts and rods for beam and column-bearing plates shall be placed with setting templates.

Unless otherwise shown in the architectural drawings, provide 3/4" diameters at all column, wall, slab or beam edges that are exposed to view in the finished structure.

STRUCTURAL STEEL:

Structural steel shall be detailed, fabricated and erected in accordance with the "Specification for Structural Steel Buildings" (AISC 360) and the "Code of Standard Practice for Steel Buildings and Bridges" (AISC 303) by the American Institute of Steel Construction (AISC).
All structural steel shall conform to the ASTM Standards and grades indicated below, unless noted otherwise on the drawings or details.

Structural steel wide flange beams and WTs:	ASTM A992, 50 ksi yield
Rolled steel floor plates:	ASTM A786, Commercial grade
Other rolled shapes, including plates, channels, and angles:	ASTM A58, 36 ksi yield
Hollow structural section (HSS) rectangular shapes:	ASTM A500, Grade B, 46 ksi yield
HSS round shapes:	ASTM A500, Grade B, 42 ksi yield
Pipe shapes:	ASTM A53, Grade B, 35 ksi yield.

Adjustable pipe columns:
3" diameter 11 gauge, shall be certified by the manufacturer for a safe load capacity of 13,500 lbs at 7'-6".
3" diameter "Heavy Duty" schedule 40 shall be certified for a safe load capacity of 28,000 lbs at 7'-9".

Unless otherwise noted, framed beam connections shall be bearing-type with 3/4" diameter, snug tight, ASTM F3125, Grade A325 bolts, detailed in conformance with the structural drawings and the "Steel Construction Manual" by the AISC, 14th edition. Install bolts in accordance with AISC's "Specification for Structural Joints Using High-Strength Bolts".

All beams shall have full depth web stiffeners each side of webs above and below columns (1/4" plate or as noted).

Anchor rods shall conform to ASTM F1554, Grade 36 and be noted on the structural drawings with weldability supplement S1.

Headed anchor studs (HAS) shall conform to ASTM A108 and shall be connected to structural steel with equipment approved by the stud manufacturer according to the stud manufacturer's recommendations.

Welding shall be done by a certified welder in accordance with the AISC documents listed above, the American Welding Society (AWS) D1.1: 2010 Structural Welding Code, and the recommendations for use of E70XX electrodes. Where not specifically noted, minimum weld shall be 3/16" fillet by length of contact edge.

All post-installed anchors shall have current International Code Council Evaluation Service (ICC-ES) reports and shall be installed in accordance with the manufacturer's requirements.

Expansion anchors shall be approved "wedge" type unless specifically noted to be "sleeve" type as noted on the structural drawings.

Chemical anchors shall be approved epoxy or similar adhesive type as appropriate for installation in solid and non-solid base materials.

Grout beneath column base and beam bearing plates shall have a minimum 28-day, compressive strength of <7,500>=5,000 psi and shall be non-shrink, non-metallic, and tested in accordance with ASTM C1107.

See S0.02 for Special Inspection requirements. QA inspections are permitted to be waived if steel fabricator or erector is AISC certified or the Authority Having Jurisdiction approves. At completion of fabrication, fabricator shall submit certificate of compliance stating materials supplied and work performed in accordance to the Construction Documents.

STEEL DECKING:

Steel roof, non-composite floor (or "form"), and composite floor deck shall be manufactured and erected in accordance with the standard deck specifications and the "Manual of Construction with Steel Deck" (SDI No. MOC1) as prepared by the Steel Deck Institute (SDI).

Roof deck shall be connected to supporting members and interconnected to develop the diaphragm shears and net uplift pressures due to lateral forces as noted on the structural drawings.

Non-composite and composite floor deck shall be connected to supporting members and interconnected as required to satisfy SDI minimum requirements except as noted on the structural drawings.

Welding patterns, screw patterns, and details shall be indicated on the deck supplier's shop drawings.

SHOP DRAWINGS:

The structural drawings are copyrighted and shall not be copied for use as erection plans or shop details. Use of Anthem's electronic files as the basis for shop drawings requires prior approval by Anthem, a signed release of liability by the general contractor and/or his subcontractors, and deletion of Anthem's name and logo from all sheets so used.

The general contractor shall submit in writing any requests to modify the structural drawings or project specifications.

All shop and erection drawings shall be checked and stamped (after having been checked) by the general contractor prior to submission for structural engineer's review; shop drawing submittals not checked by the general contractor prior to submission to the structural engineer will be returned without review.

Furnish two (2) prints of shop and erection drawings to the structural engineer for review prior to fabrication for:

reinforcing steel,
structural steel,
steel form, floor, and roof deck,
CMU product data, unit strength testing.

Submit in a timely manner to permit 10 working days for review by the structural engineer.

Shop drawings submitted for review do not constitute "request for change in writing" unless specific suggested changes are clearly marked, in any event, changes made by means of the shop drawing submittal process become the responsibility of the one initiating the change.

VERIFY CONDITIONS:

The general contractor shall thoroughly inspect and survey the existing structure to verify conditions that affect the work shown on the drawings.

The general contractor shall report any variations or discrepancies to the architect and structural engineer before proceeding.

STRUCTURAL ERECTION AND BRACING REQUIREMENTS:

The structural drawings illustrate and describe the completed structure with elements in their final positions; properly supported, connected, and/or braced.

The structural drawings illustrate typical and representative details to assist the general contractor. Details shown apply at all similar conditions unless otherwise indicated. Although due diligence has been applied to make the drawings as complete as possible, not every detail is illustrated and not every exceptional condition is addressed.

All proprietary connections and elements shall be installed in accordance with the manufacturers' recommendations.

All work shall be accomplished in a workmanlike manner and in accordance with the applicable codes and local ordinances.

The general contractor is responsible for coordination of all work, including layout and dimension verification, materials coordination, shop drawing review, and the work of subcontractors. Any discrepancies or omissions discovered in the course of the work shall be immediately reported to the architect and structural engineer for resolution. Continuation of work without notification of discrepancies relieves the architect and structural engineer from all consequences.

Unless otherwise specifically indicated, the structural drawings do not describe methods of construction.

The general contractor, in the proper sequence, shall perform or supervise all work necessary to achieve the final completed structure, and to protect the structure, workmen, and others during construction. Such work shall include, but not be limited to temporary bracing, shoring for construction equipment, shoring for excavation, formwork, scaffolding, safety devices and programs of all kinds, support and bracing for cranes and other erection equipment.

Do not backfill against basement or retaining walls until supporting slabs and floor framing are in place and securely anchored, unless adequate temporary bracing is installed.

Temporary bracing shall remain in place until all floors, walls, roofs and any other supporting elements are in place.

The architect and structural engineer bear no responsibility for the above items, and observation visits to the site do not in any way include inspections of these items.

These plans have been engineered for construction at one specific building site. Builder assumes ALL responsibility for use of these plans at ANY OTHER building site. Plans shall not be used for construction at any other building site without specific review by the engineer.

STRUCTURAL MASONRY:

Design is based on ACI 530/ASCE 5/TMS 402, "Building Code Requirements for Masonry Structures."

Masonry work shall conform to ACI 530.1/ASCE 6/TMS 602 "Specification for Masonry Structures".

Compressive strength of masonry assembly used for design is 2000 psi (f_m = 2000 psi), based on net-bedded area.

Except at masonry lintels using standard lintel units, bond beam units shall be produced from standard vertically voided units with pre-cast knockout cross walls.

Hollow load-bearing concrete masonry units (CMU) shall be lightweight, 85 to 105 pcf density, conforming to ASTM C90, with a minimum compressive strength of 2,800 psi based on average net area.

Facing brick shall conform to ASTM C216 Grade SW.

Building brick shall conform to ASTM C62-04 Grade SW.

Hollow brick shall conform to ASTM C652 Grade SW.

Mortar shall be type "S" conforming to ASTM C270. Mortar SHALL NOT be substituted for grout.

Masonry cement shall not be used unless part of a pre-packaged mortar or grout mix approved by the structural engineer.

Provide full shored mortar in all head and bed joints.

Admixtures shall not be used unless approved by the architect and/or structural engineer.

Grout used in masonry walls and block cells shall be coarse grout, as defined by ASTM C476, with a minimum cube strength = 2,000 psi or 3,000 psi concrete using 3/8" diameter aggregate and placed by vibrating unless an approved self-consolidating mix is used.

Low-Lift grouting shall not exceed 5 feet in height unless ACI 530.1 "high-lift" grouting procedures are reviewed and approved by the architect and structural engineer.

Vertically space continuous horizontal joint reinforcing at 16" maximum in all CMU walls. Joint reinforcing shall be welded type with 9 gage side rods and 9 gage trussed or ladder cross rods.

In exterior walls, joint reinforcement shall be stainless steel or hot-dip galvanized.

All other joint reinforcement shall be mill galvanized, hot-dip galvanized, or stainless steel. Horizontal joint reinforcing shall be lapped no less than 6" all splices.

Wire ties for veneer shall be 9 gage diameter for cavity widths 2" or less.

Where nominal cavity width exceeds 2 inches, veneer ties shall be 1/4" diameter. Ties shall be spaced a maximum of 16" in each direction.

Reinforcing bars shall be as for reinforced concrete except as noted.

Unless otherwise noted on the structural drawings, lap bars 50 diameters (50" Bar Diameter minimum) at splices.

Reinforcement shall be secured against displacement prior to grouting by wire bar locators or other suitable devices at intervals not exceeding 200 bar diameters or 10 feet.

Reinforce and fully grout vertical cells at corners, ends of walls, jambs of openings, each side of vertical control joints, and at spacing shown on drawings.

Vertical reinforcing bars shall have a minimum clearance of 3/4" from masonry.

Foundation dowels shall match vertical reinforcing, unless otherwise noted on the drawings.

Where noted on the drawings, provide clearance between masonry and structural elements, or wrap steel with polyethylene film.

Locate vertical control joints in all masonry walls as shown on the architectural drawings, structural drawings, or spaced horizontally at 25'-0" maximum spacing where not shown.

Cold weather construction shall conform to guide specifications from the International Masonry Industry All-Weather Council (IMI/ABC), latest version.

LOOSE LINTELS:

Unless noted otherwise, provide loose lintels as follows: (one angle for each 4' of wall thickness to bear 4" minimum each end)

Opening Angle	
0'-0" to 4'-0"	L3 1/2x3 1/2x14
4'-1" to 5'-4"	L5x3 1/2x14 (LLV)
5'-5" to 10'-0"	L6x3 1/2x5/16 (LLV)

PRECAUTIONARY NOTES ON STRUCTURAL BEHAVIOR:

Interior architectural finish detailing must accommodate the relative differential movements of supporting structural elements.

Where the roof framing element spans are long, applied loading will naturally cause substantial deflection. Interior elements hung from the roof structure will deflect with the roof.

The floor is a floating concrete slab-on-grade and may experience movements independent of the structural foundations. Interior elements supported on the slab-on-grade floor will move with the floor. Interior elements supported on foundations and columns will not experience similar or measurable movements.

Exterior/perimeter wall assemblies hung from the edge of the building structure will be directly affected (to some degree) by changes in external temperature and floor deflection.

Exterior/perimeter and interior architectural finish details should allow for relative movements between elements with different support conditions.

The foundation design shown assumes that the owner/builder is aware of the presence of expansive soils, and that he has read the previously referenced soils report. Use of these plans is indication that the owner/builder accepts the risks associated with building on this site, especially those related to slab on grade construction in finished areas. Anthem, LLC will not be held liable for damages caused by slab movement.

DEFERRED SUBMITTALS:

Portions of the structure have elements of proprietary design and fabrication, which shall be submitted by the supplier for approval after award of contract.

These items shall conform to the load, capacity, size, geometry, connection, and support criteria noted on the structural drawings.

Shop drawings and calculations shall be prepared by an engineer registered in the State of Colorado. Final shop drawing submittals shall be stamped and signed.

Submittals will be reviewed by the structural engineer of record for compliance with the specified design requirements, stamped as "Reviewed," and forwarded to the local building authority for review as required.

Final issue of the building permit may, at the approval authority's option, be contingent on its approval of the deferred submittal documents.

Deferred submittal items shall not be installed until their design calculations and drawings have been reviewed by the architect, structural engineer, and/or local building authority as required.

LETTERS OF CONSTRUCTION COMPLIANCE:

The general contractor shall determine from the local building authority, at the time the building permit is obtained, whether any letters of construction compliance will be requested from the structural engineer.

The contractor shall notify the structural engineer of all such requirements in writing prior to the start of construction.

Two day advance notice shall be given when requesting site visits necessary as the basis for the compliance letter.

The general contractor shall provide copies of all third-party testing and inspection reports to the architect and structural engineer a minimum of one week prior to the date that the compliance letter is needed.

SPECIAL INSPECTIONS (valid for IBC 2018):

The following Special Inspections and Testing shall be performed by a qualified Special Inspector, retained by the Owner, in accordance with the following sections of IBC Chapter 17:

Section 1704	1704.2.5 Special inspections of fabricated items and fabricators
Section 1705	1705 Special inspections and the following sub-sections:
1705.2 Steel Construction	including 1705.2.1 Structural Steel, 1705.2.2 Cold-formed steel deck
1705.3 Concrete Construction	including 1705.3.1 Welding of reinforcing bars, 1705.3.2 Material tests
1705.4 Masonry Construction	level B
1705.6 Soils	
1705.10 Fabricated items	
Section 1705.12 Special Inspections for seismic resistance with the following sub-sections:	
1705.12.1 Structural Steel	
1705.12.1.1 Seismic force-resisting system	
1705.12.1.2 Structural steel elements (struts, collector, chords and foundation elements)	
1705.12.4 Designated seismic systems	
1705.12.5 Architectural components	
1705.12.6 Plumbing, mechanical and electrical components	
Section 1705.13 Structural Testing for Seismic Resistance and the following sub-sections:	
1705.13.1 Structural Steel	
1705.13.1.1 Seismic force-resisting systems	
1705.13.1.2 Structural steel elements (struts, collectors, chords and foundation elements)	
1705.13.2 Nonstructural components	
1705.13.3 Designated seismic systems	
Section 1706 Design Strengths of Materials	
Section 1707 Alternative Test Procedures	
Section 1708 In-Situ Load Tests	
Section 1709 Preconstruction Load Tests	

The Special Inspector shall be a qualified person who shall demonstrate competence, to the satisfaction of the building official, for inspection of the particular type of construction or operation requiring special inspection.

Duties and responsibilities of the Special Inspector shall be to inspect and/or test the work outlined above and within the Statement of Special Inspections in accordance with Chapter 17 of the IBC for conformance with the approved construction documents. All discrepancies shall be brought to the immediate attention of the contractor for correction.

Per section 1704.2.4 the Special Inspector shall furnish regular reports to the building official and the structural engineer. Progress reports for continuous inspection shall be furnished weekly. Individual reports of periodic inspections shall be furnished within one week of inspection dates. The reports shall note uncorrected deficiencies, correction of previously reported deficiencies, and changes to the approved construction documents authorized by the Structural Engineer of Record.

The Special Inspector shall submit a final signed report within 10 days of the final special inspection stating whether the work requiring special inspection was, to the best of the inspector's knowledge, in conformance with the approved construction documents and the applicable workmanship provisions of the IBC. Work not in conformance shall be noted in the report.

The contractor shall submit a statement of responsibility to the building official and the owner prior to the commencement of work on a main wind- or seismic-force-resisting system, designated seismic system or a wind- or seismic-resisting component listed in the Statement of Special Inspections per section 1704.5.

Except as noted, the special inspections outlined above are in addition to, and beyond the scope of, periodic Structural Observations as defined in section 1704.6. Structural Observations are included in the structural engineering design and construction administration services provided by the structural engineer.

ABBREVIATIONS KEY

AB	Anchor Rod (Bolt)	E-E	End to End	LVL	Laminated Veneer Lumber (generic)	RMO	Rough Masonry Opening
ADDL	Additional	EF	Each Face	LW	Light Weight	RO	Rough Opening
AFF	Above Finished Floor	EJ	Expansion Joint	MASY	Masonry	SC	Slip Critical
ALT	Alternative	EL	Elevation	MATL	Material	SCH	Schedule
AMT	Amount	EN	Edge Nailing	MAX	Maximum	SDST	Self Drilling Self Tapping
APPROX	Approximate	ENGR	Engineer	MECH	Mechanical	SECT	Section</

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**STEAMBOAT GONDOLA
RELOCATION**
STEAMBOAT SPRINGS, CO

ESF

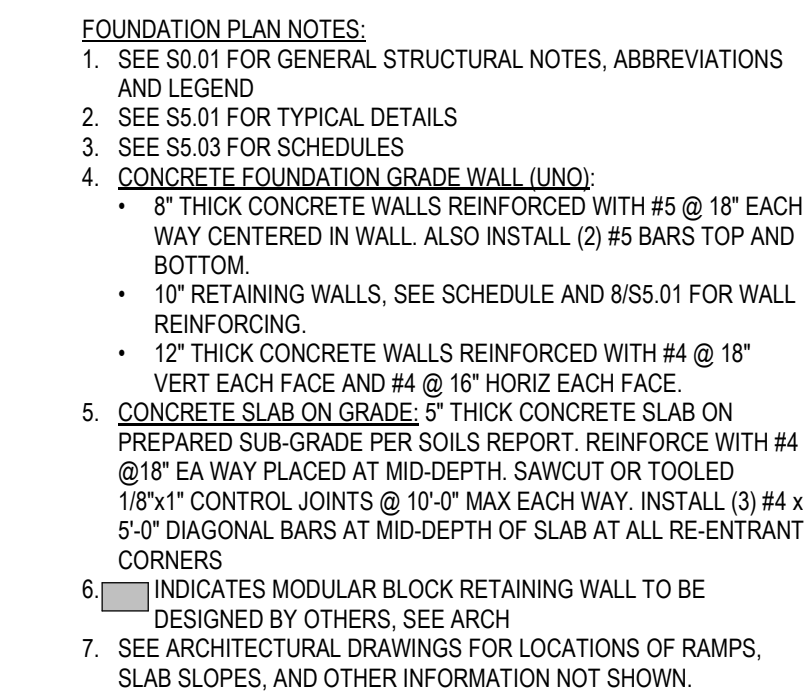
ERIC SMITH ASSOCIATES, P.C.
1919 SEVENTH STREET
BOULDER, COLORADO, 80302

Job Number:	2003
Date:	3/5/2
Drawn By:	KLM
Checked By:	CRK

Project Phase
CONSTRUCTION DOCUMENTS
Sheet Title
FOUNDATION PLAN

Sheet Number

S 1.01



FOUNDATION PLAN KEYNOTES	
(X)	DESCRIPTION
1	10" WIDE X 24" DEEP CONCRETE BORDER WALL. REINFORCE W/ #4 BARS @ 12" WIDE XWAY CENTERED IN WALL. PLACE WALL TIGHT TO MAJOR BLOCK WALL.
2	PROVIDE #5 HORIZONTAL CORNER BARS @ 6" OC CENTERED IN WALL. THIS CORNER PER DETAIL 2/SS.01. EXTEND EACH LEG OF CORNER BAR MINIMUM OF 4'-0" EACH WAY.
3	24"x24" CONCRETE PIER FOR LIGHT POLE W/ALL W/ #4 BARS. #4 TIES AT (3) TIES @ 9" TOP. SEE ELECTRICAL FOR ANCHOR BOLTS AND CONDUIT LAYOUT.
4	30"x30" CONCRETE PIER FOR SPUR RAIL. SUPPORT CANT INTEGRAL W/ WALL W/ (12) #8 VERTICALS; #4 TIES AND CROSSIES AT (2) TIES @ TOP. SEE DOPPELMAYER FOR ANCHOR BOLT LAYOUT.
5	12" THICKENED SLAB FOR PARKING RAIL SUPPORT. REINFORCE W/ #4 12" EACH WAY TOP AND BOT OF SLAB. SEE DOPPELMAYER FOR EMBED.
6	MIN 12"x12" CONCRETE PIER W/ (4) #5 VERT AND (3) TIES @ 12"; (2) TIES @ 3" TOP. COORDINATE LOCATION WITH DOPPELMAYER. MIN DEPTH 4'-0".

MARK	WIDTH	THICKNESS	REINFORCEMENT
F16	1'-4"	1'-0"	(2) #5 @ BOT
F20	1'-8"	1'-0"	(#) #4 CONT
F28	2'-4"	1'-0"	(4) #4 CONT
F30	2'-6"	1'-0"	SEE 8/S5.01
F42	3'-6"	1'-0"	SEE 8/S5.01
F60	5'-0"	1'-0"	SEE 8/S5.01
F84	7'-0"	1'-0"	SEE 8/S5.01

 FOUNDATION PLAN
1/8" = 1'-0"
PLAN NORTH

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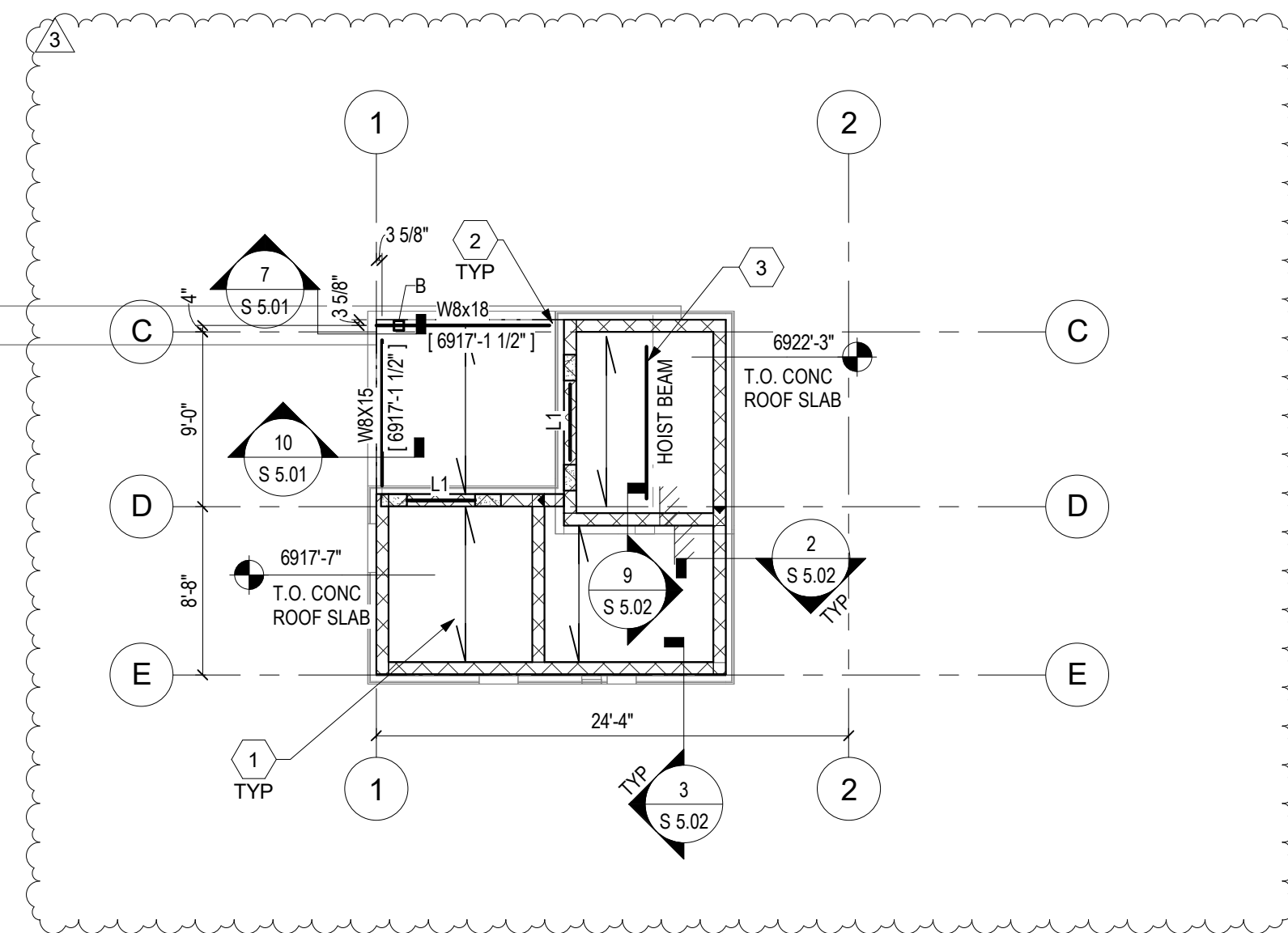
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ESF

ERIC SMITH ASSOCIATES, P.C.
1919 SEVENTH STREET
BOULDER, COLORADO, 80302
(303) 442-5458, (303) 442-4745 FAX

Project Phase
CONSTRUCTION DOCUMENTS
Sheet Title
MAIN AND ROOF LEVEL FRAMING PLAN

CONSTRUCTION SET 03/29/2021



ROOF PLAN NOTES:

1. SEE S.O.1 FOR GENERAL STRUCTURAL NOTES, ABBREVIATIONS AND LEGEND
2. SEE S.O.1 FOR TYPICAL DETAILS AND S.O.3 FOR CMU WALL, PIER AND LINTEL SCHEDULES
3. AT ROOF DRAINS, ACCEPTABLE TO CORE DRILL MAXIMUM 8" HOLE THROUGH COMPOSITE ROOF DECK. NOTIFY ANTHEM IF LARGER OPENING IS REQUIRED PRIOR TO POURING DECK.
4. LOCATE MECHANICAL OPENINGS IN WALLS MIN. 1'-4" FROM BEAM BEARING LOCATIONS. PROVIDE 1' LINTEL OVER MECHANICAL OPENINGS UP TO 6'-0" IN LENGTH.
5. UNLESS NOTED OTHERWISE, TYPICAL T/S LAB = 6917'-7".

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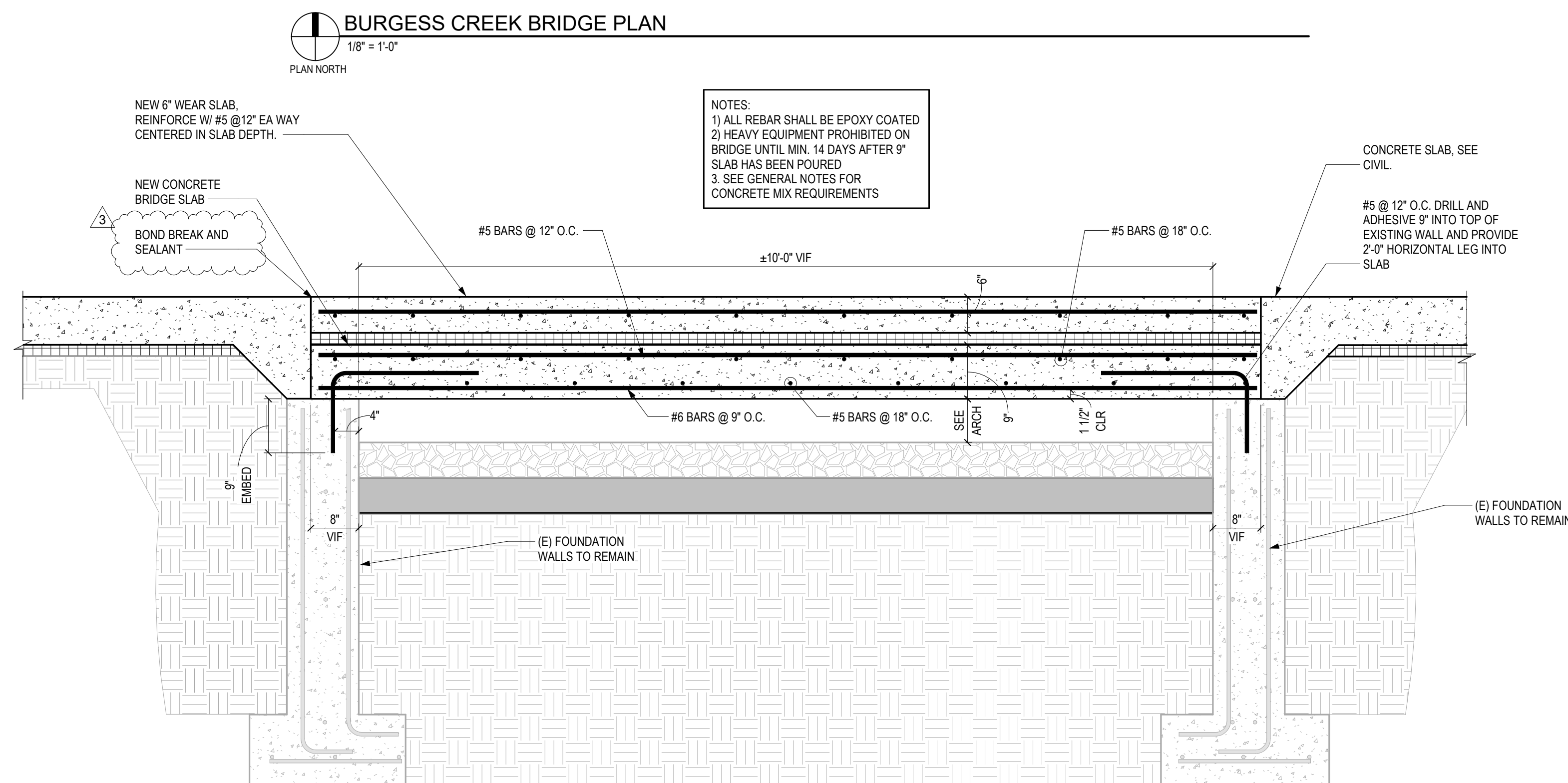
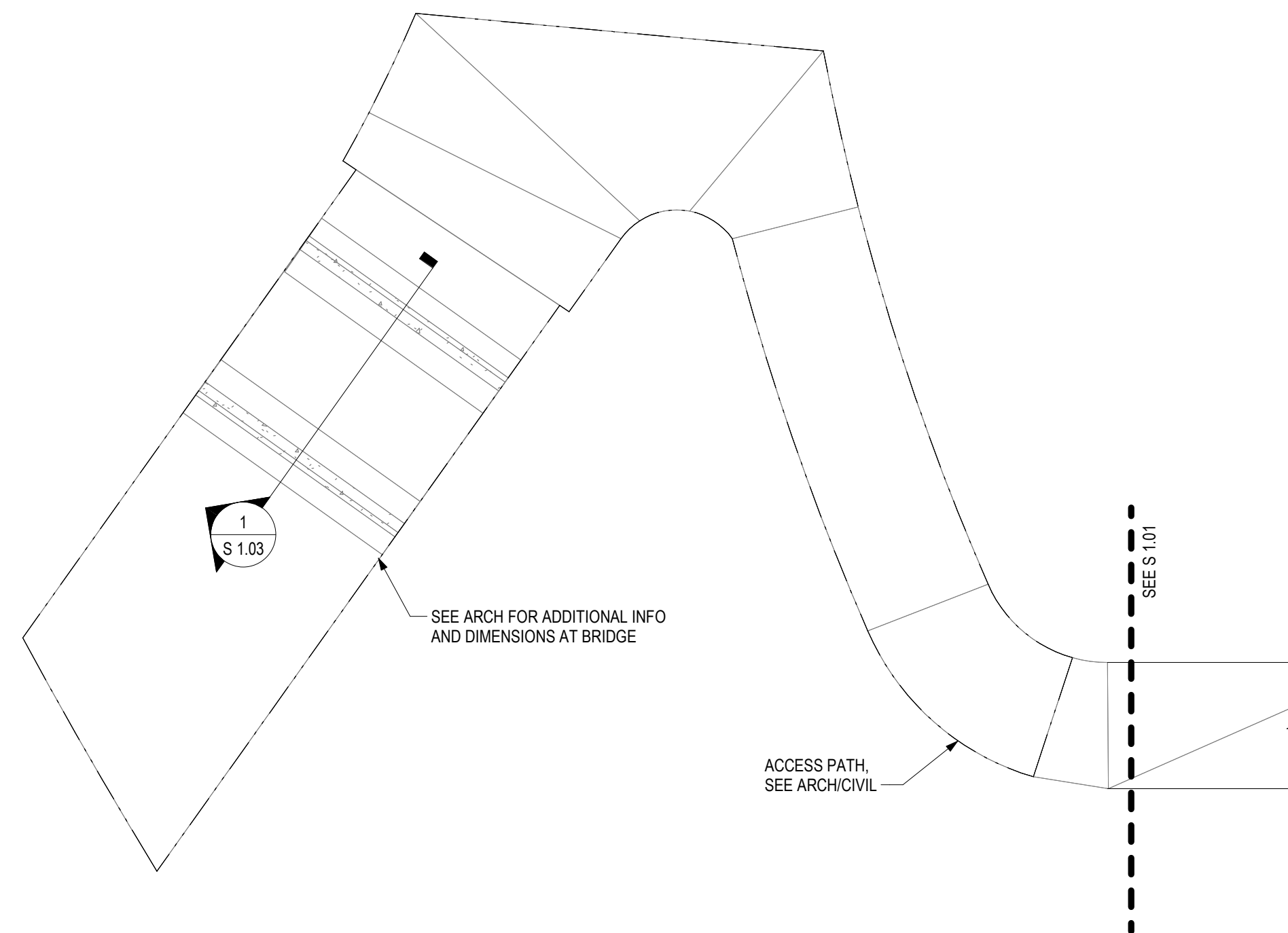
**STEAMBOAT GONDOLA
RELOCATION**
STEAMBOAT SPRINGS, CO



Job Number:	20034
Date:	3/5/202
Drawn By:	KLM
Checked By:	CRK

Project Phase
CONSTRUCTION DOCUMENTS
Sheet Title
BURGESS CREEK BRIDGE PLAN

Sheet Number
S 1.03



1 BURGESS CREEK BRIDGE
NOT TO SCALE

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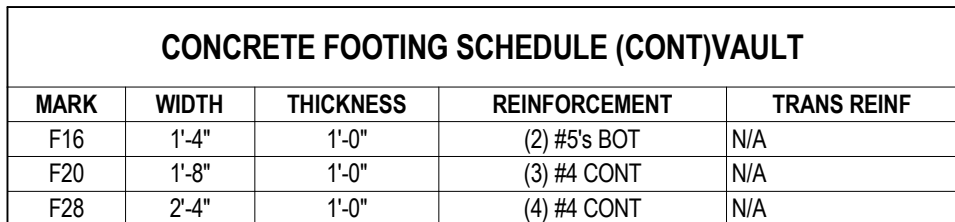
REVISIONS

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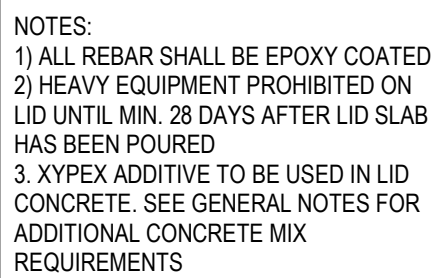
ESF

ERIC SMITH ASSOCIATES, P.C.
1919 SEVENTH STREET
BOULDER, COLORADO, 80302
(303) 442-5458. (303) 442-4745 FAX

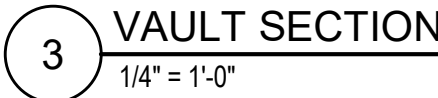
Project Phase	
CONSTRUCTION DOCUMENTS	
Sheet Title	
VAULT	
	Sheet Number
S 1.04	



1 VAULT FOUNDATION PLAN
1/4" = 1'-0"



2 VAULT LID PLAN
1/4" = 1'-0"





NOTICE: DUTY OF COOPERATION
Release of these plans contemplates further cooperation among the owner, the contractor and the architect. Design and construction are complex. Although the architect and his consultants have performed their services with due care and diligence, they cannot guarantee perfection. Communication is imperfect and every contingency cannot be anticipated. Any ambiguity or discrepancy discovered by the use of these plans shall be reported immediately to the architect. Failure to notify the architect compounds misunderstanding and increases construction costs. A failure to cooperate by a simple notice to the architect shall relieve the architect from responsibility for the consequences. Changes made from the plans without consent of the architect are unauthorized and shall relieve the architect of responsibility for all consequences arising out of such changes.

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Eric Smith Associates, P.C.

REVISIONS

No.	Description	Date
1	PERMIT SET	3-8-2021
2	ADDENDUM #2	3-26-2021
3	ASI #1	4-20-2021

**STEAMBOAT GONDOLA
RELOCATION
STEAMBOAT SPRINGS, CO**



Job Number:	20034
Date:	3/5/2021
Drawn By:	KLM
Checked By:	CR

Project Phase	CONSTRUCTION DOCUMENTS
Sheet Title	DETAILS

Sheet Number	S 5.02
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CONSTRUCTION SET 03/29/2021

