

GENERAL NOTES

DESIGN LIVE LOADS

- a. Pre-Manufactured Metal Building.....See Sunward Steel Buildings P.O. 104129

FOUNDATION DESIGN

- a. Foundation design was based upon Subsoil and Foundation Investigation provided by Northwest Colorado Consultants, Inc. and all design values shall be field verified prior to construction.
b. Design of straight-shaft drilled piers is based on a maximum allowable skin friction value of 3000 psf for the 6'-0" portion of the drilled pier in the bedrock materials and a maximum allowable end bearing pressure of 30,000 psf in the bedrock.
c. Soils report 21-12526 by Northwest Colorado Consultants, Inc.

REINFORCED CONCRETE

- a. Structural concrete shall have a minimum 28 day compressive strength of 3000 psi Type I.
b. Reinforcing bars shall conform to ASTM Specification A615-79 and shall be Grade 60.
c. All anchor bolts are to meet ASTM Specification F1554 Grade 36.
d. At splices, lap bars 38 diameters. At corners and intersections, make horizontal bars continuous or provide matching corner bars. Around openings in walls and slabs, provide 2-#5, extending 2'-0" beyond edge of opening.

BACK FILLING

- a. Do not backfill against basement or retaining walls until supporting slabs and floor framing are in place and securely anchored.

EPOXY ADHESIVE ANCHORING SYSTEM

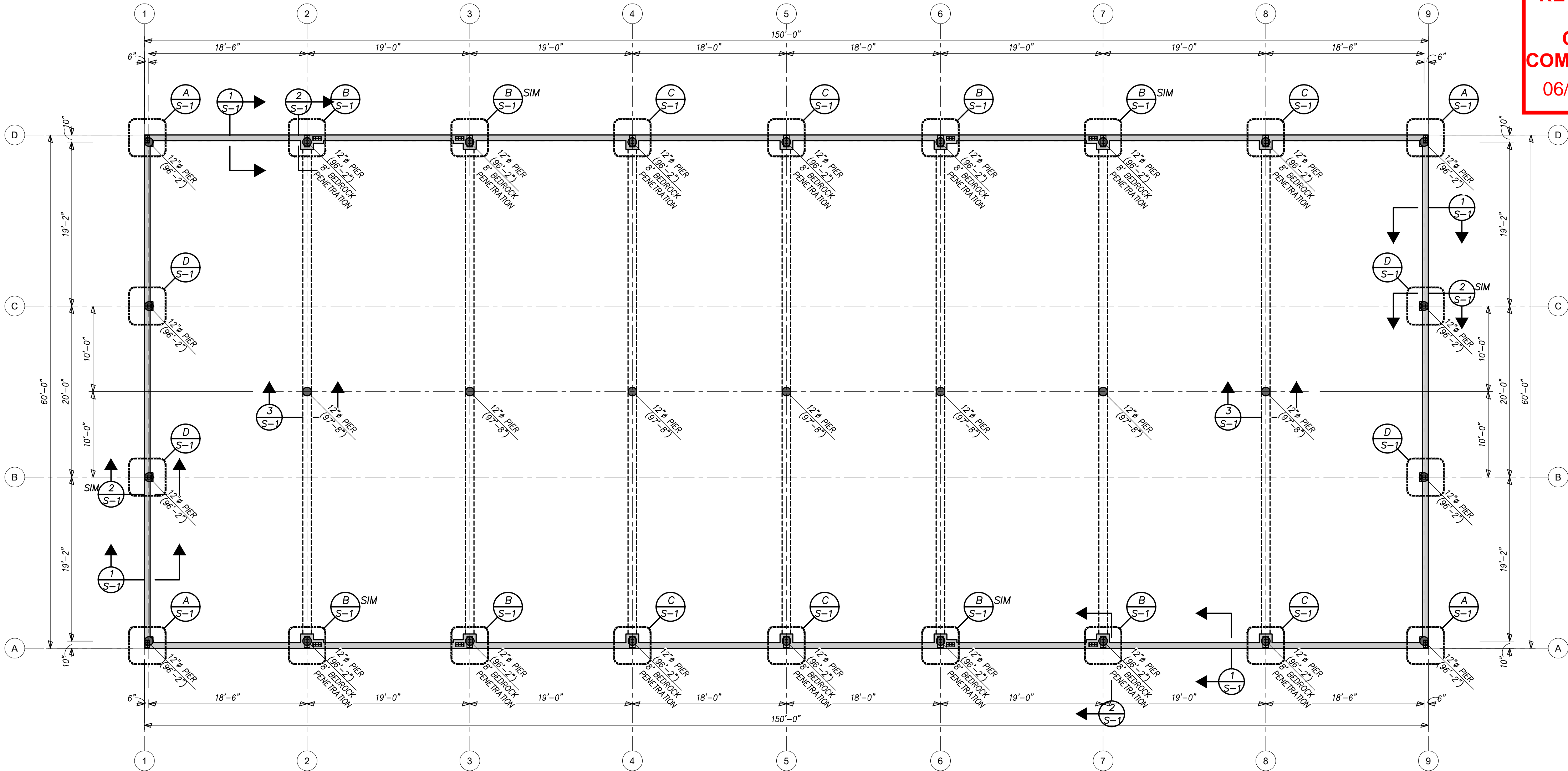
- a. Epoxy adhesive anchoring system shall be HITI HIT-RE 500 V3 or approved equal.
b. Anchor rods shall be furnished with chamfered ends so that either end will accept a nut and washer and meet the requirements of ISO 898 Class 5.8.
c. Anchors shall have the following minimum embedments: 3/4" - 6 3/4", 5/8" - 5 5/8", 1/2" - 4 1/2".

STRUCTURAL ERECTION AND BRACING REQUIREMENTS

- a. The structural drawings illustrate the completed structure with all elements in their final positions, properly supported and braced.
b. The Contractor, in the proper sequence, shall provide proper shoring and bracing as may be required during construction to achieve the final completed structure.

SPECIAL INSPECTIONS

- a. All special inspections shall comply with chapter 17 of the International Building Code (IBC). These inspections are in addition to the inspections specified in Section 109 of the IBC.
b. The Special Inspector and testing agent shall be engaged by the Owner or the Owner's Agent, and not by the Contractor or Subcontractor whose work is to be inspected or tested. Any conflict of interest must be disclosed to the Building Official prior to commencing work.
c. 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.
d. The credentials of all inspectors, administrators and testing technicians shall be provided if requested.
e. The Special Inspector shall keep records of all inspections and shall furnish inspection reports to the Building Official and the Registered Design Professional in Responsible Charge.
f. Discovered discrepancies shall be brought to the immediate attention of the Contractor for correction. If such discrepancies are not corrected, the discrepancies shall be brought to the attention of the Building Official and the Registered Design Professional in Responsible Charge.
g. The Special Inspection program does not relieve the Contractor of his or her responsibilities.
h. A Final Report of Special Inspections documenting completion of all required Special Inspections, testing and correction of any discrepancies noted in the inspections shall be submitted prior to issuance of a Certificate of Use and Occupancy.
i. Job site safety and means and methods of construction are solely the responsibility of the Contractor.
j. The Special Inspection program does not relieve the Contractor or any other entity of any contractual duties, including quality control, quality assurance, or safety.
k. The Contractor is solely responsible for construction means, methods, and job site safety.
l. Special inspection is required for the off site fabrication of structural steel load-bearing members and assemblies unless the work is done on the premises of a fabricator registered and approved to perform such work without special inspection.



FOUNDATION PLAN

Scale: 1/8" = 1'-0"



ELEVATION TOP OF CONCRETE WALL SHALL BE 100'-0" UNLESS NOTED OTHERWISE

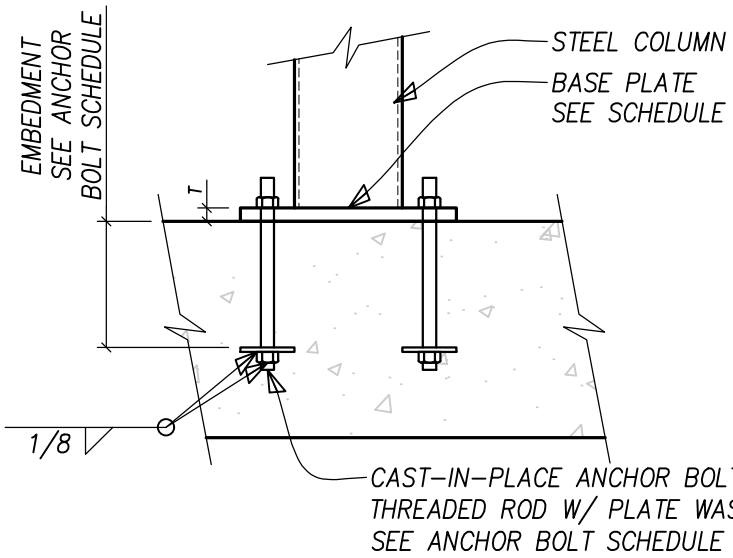
DROP TOP OF WALL ELEVATION 6" AT DOORS FOR SLAB POUR OVER

DRILLED PIER LOCATION, DIAMETER, AND TOP OF CONCRETE PIER ELEVATION INDICATED THUS

PER DIAMETER (ELEVATION)

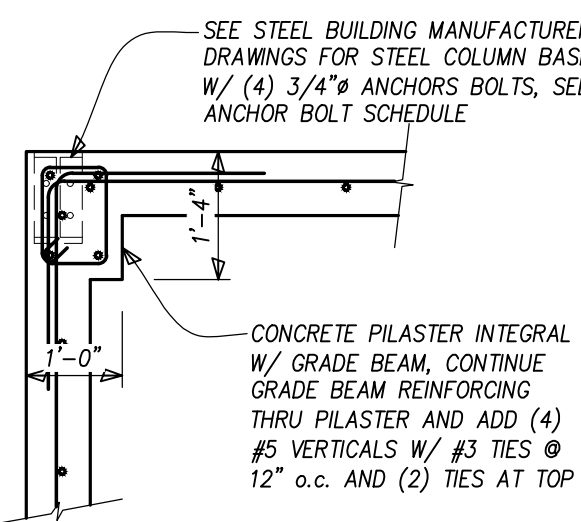
ANCHOR BOLT SCHEDULE

ANCHOR ROD Ø	MINIMUM PLATE WASHER SIZE	MINIMUM EMBEDMENT
3/4"	2 1/2"x2 1/2"x3/8"	12"
7/8"	3"x3"x1/2"	14"

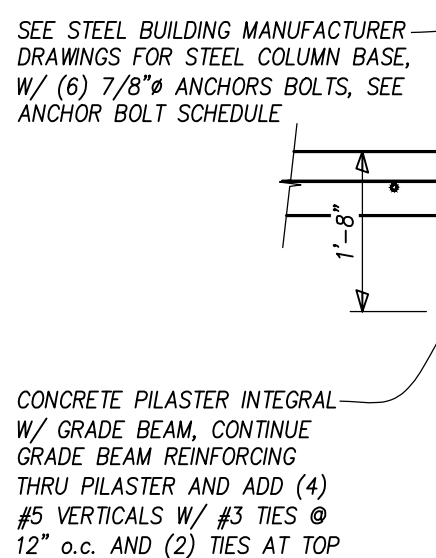


STEEL COLUMN ON CAST-IN-PLACE CONCRETE

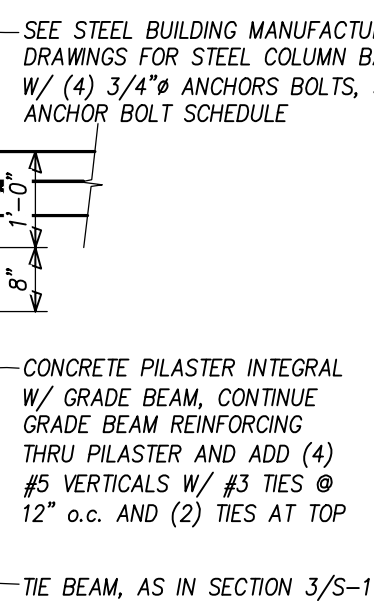
1" = 1'-0"



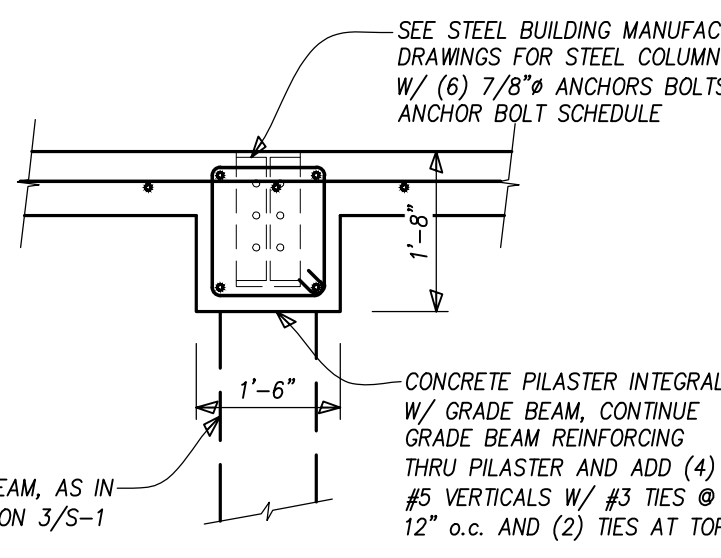
DETAIL A
1/2" = 1'-0"



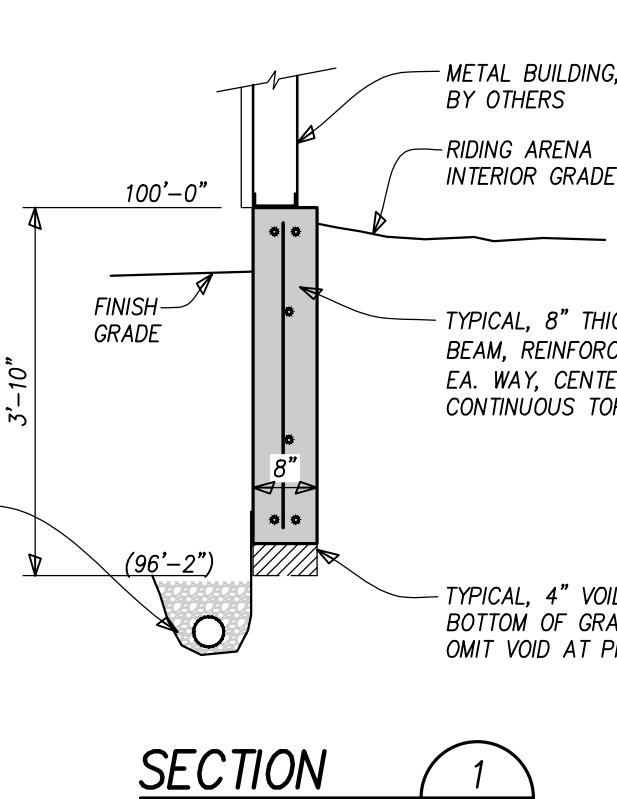
DETAIL B
1/2" = 1'-0"



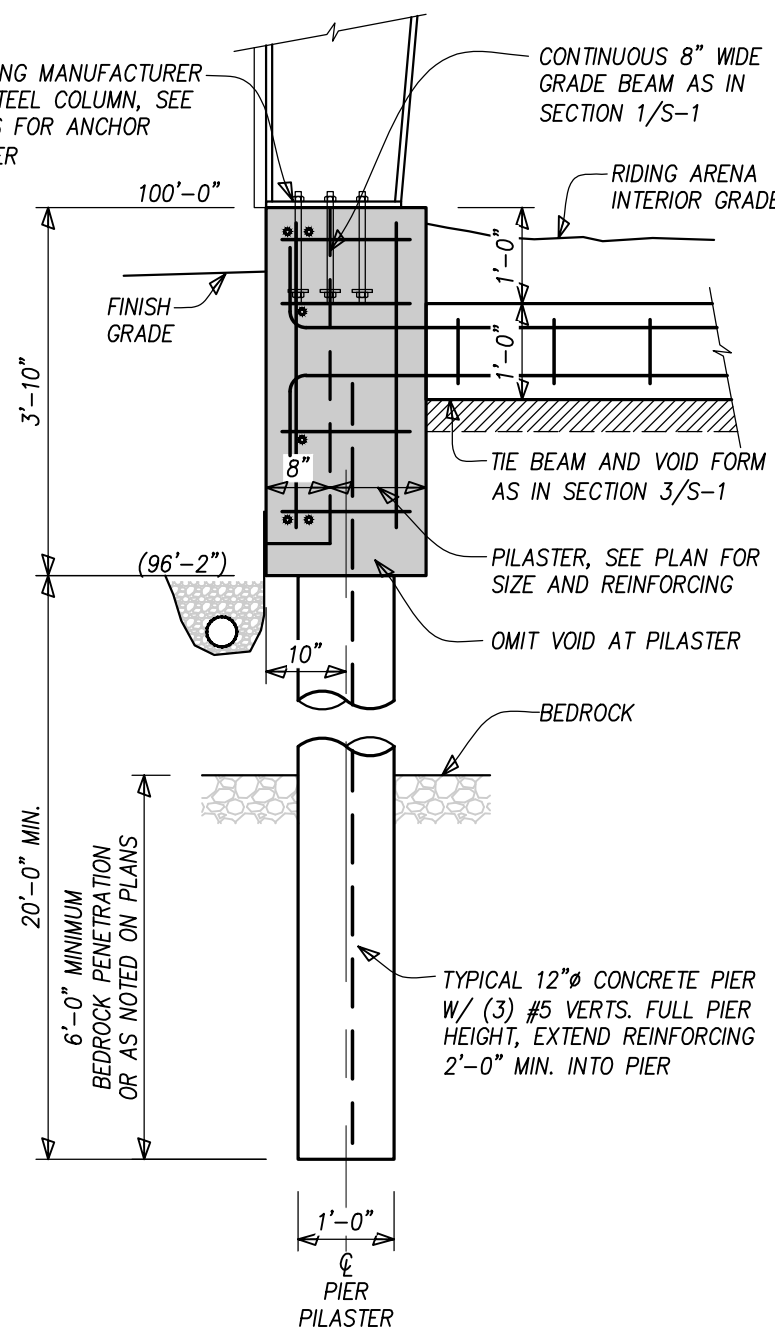
DETAIL C
1/2" = 1'-0"



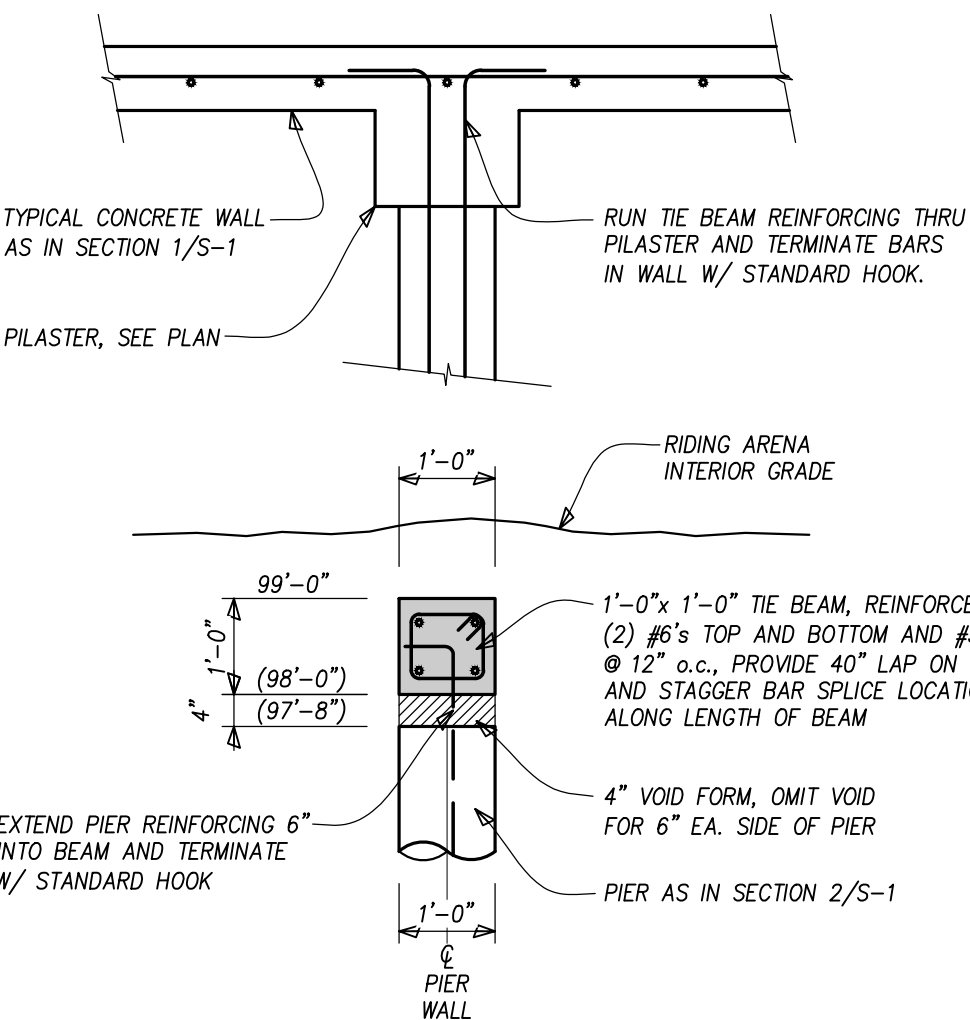
DETAIL D
1/2" = 1'-0"



SECTION 1
1/2" = 1'-0"



SECTION 2
1/2" = 1'-0"



SECTION 3
1/2" = 1'-0"

REVIEWED FOR CODE COMPLIANCE 06/29/2022

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DATE	REVISIONS
4/26/22	
PROJECT #22-024	
DRAWN CAS	
CHECKED BFS	
FILE Buckethead_Arena_20204.dwg	
SCALE 1/8" = 1'-0"	

BUCKET HEAD RANCH FOUNDATION PLAN RIDING ARENA ROUTT COUNTY, COLORADO 80477

SHEET

S-1

1 OF 1