

OLOFSON SHOOTING RANGE
TRAINING CENTER & RANGE RENOVATION
POLK COUNTY, IOWA
PROJECT NUMBER: 16-02-77-02

September 16, 2016

This Addendum is issued to modify, explain or correct the original Drawings and Specifications, and is hereby made a part of the Contract Documents. Please attach this Addendum to the Project Manual in your possession. Insert the number and issue date of this Addendum in the blank space provided on the Proposal Form.

CLARIFICATIONS

CIVIL

1. The contractor may want to install the proposed 8-inch storm sewer from the existing intake to Intake #9, as detailed on Sheet C5, prior to placement of the required fill in this area to avoid trenching through newly placed fill (18 feet of fill is needed at the existing intake location).
2. In regards to construction testing, earthwork will be tested by proof rolls coordinated with the inspector. The earthwork shall be constructed in accordance with SUDAS (maximum 8-inch lifts). Concrete testing will be required including mix design, air content, 6-inch cylinders (minimum set of 3/500 CY or 2 sets/day, whichever is greater).

ARCHITECTURAL

1. Shooting Structure intermediate columns at seating and shooting benches shall only extend to the bottom of the benches. At the shooting bench locations the lane dividers shall connect to the beam above.
2. Shooting structures shall have MSMC PBR-Panel roofs in lieu of snap-lock standing seam roof. Roof shall extend 6" beyond front and back of structure and 3" on both sides.
3. Roof purlins shall be connected to structure via tab and bolts. Shop weld tabs to beams and bolt purlins to tabs instead of field-weld connections as shown.
4. Lane dividers shall be 7'-6" tall and shall be connected via tabbed connection in lieu of bolting as shown on the plans. Mesh screening shall be eliminated in the dividers, 6mm clear twin-wall polycarbonate shall be used.
5. Range baffles are not to be adjustable, however a small 8'-0" mock-up section of a shooting lane shall be provided by the contractor for height verification prior to final approval of shop drawings.

6. The existing unistrut support for distribution panel shall be replaced.
7. Glass on exterior doors of the training center shall be insulated, double walled tempered glass.
8. Detail 02/A-311, keynote 16 on down-range baffle should be 17.
9. Detail 05/A-312 is superseded: Down-Range baffles shall be angled and supported as shown in addendum #2 sketch (see attached sketch SK-1 for more information).
10. Down-Range baffle steel spanning between columns, shall be approximately 9'-8" in length, all columns are 10'-0" center to center, field verify all dimensions prior to fabrication.
11. Bid Alternate #5 is a stone and wood entry portal, please see SK-2, SK-3 and attached modified 00300 Proposal Sheet, you must use the modified proposal form to bid this project.

SUBSTITUTIONS

1. Firestone UC-14, 24ga with striations, is an acceptable substitution for the specified snap-lock standing seam roof specified.
2. McElroy Medallion-Lok, 24ga with striations, is an acceptable substitution for the specified snap-lock standing seam roof specified.
3. Prosoco Consolideck LS is an acceptable substitution for the specified concrete sealer.

ATTACHMENTS

- See attached Addendum #2 from KCL Engineers for more information.
- **Please Refer to attached modified 00300 Proposal Form which must be used for this project bid letting on September 22, 2016.**
- Please Refer to attached sketches for more information.



Consulting Engineering
Mechanical
Electrical
Plumbing

218 ½ 5th St.
West Des Moines, IA 50265

T 515.724.7938
F 515.724.7938

www.kclengineering.com

Olofson Shooting Range Training Center & Renovation
DNR Project Number 16-02-77-02

Addendum #2

September 14, 2016

This addendum is issued to modify, clarify or amend the original Project Drawings and Specifications and is hereby made part of the Contract Documents. The Contractor shall be responsible for incorporating items in this Addendum to the Work. The following shall take precedence over anything to the contrary in the Drawings or Specifications.

Specifications:

None.

Drawings:

None.

Prior Approvals:

Section	Item	Manufacturer
15738	Split System AC Units	Panasonic
15785	E.R.V.s	American Aldes, Jenco Fan
15791	Cabinet Unit Heaters	Heatrex
15855	G.R.D.s	Anemostat
16511	F1	LITHONIA 2BLT4
16511	F2	EATON 4SLSTP
16511	F3	EATON HVL12, LCD VSA
16511	W1	EATON GWC
16511	P1	EATON GLEON
16511	X1	COOPER LPX, LITHONIA LQM

Attachments: none.

End of Addendum #2

Time and Date of Letting **11:00 AM, SEPTEMBER 22, 2016**

PROPOSAL

Project No. **16-02-77-02**

Project Description and Location

**OLOFSON SHOOTING RANGE
TRAINING CENTER & RANGE RENOVATION
POLK COUNTY, IOWA**

Proposal of: _____
(Name of Bidder)

Located at: _____ () _____
(Address) (Area) (Telephone)

Amount of Proposal Guarantee	Specified completion date or Number of Working Days	Approx. or Specified Starting Date or Number of Working Days	Liquidated Damages Per Day
\$30,000.00	12/30/2017	N/A	\$500.00

The undersigned hereby agrees, if awarded the contract, to execute the proposed contract and to furnish an approved performance bond in a amount not less than 100 percent of the contract award within 30 days after the date of approval of award of the contract, and to provide all labor, materials, and equipment required to complete the project designated above, for the price hereinafter set forth, in strict compliance with the contract documents prepared by the Iowa Department of Natural Resources.

The undersigned agrees, if awarded the contract, to commence the work within a reasonable time after the preconstruction conference or by the specific starting date, if so specified, and to complete the work within the contract period, or to pay liquidated damages in the amount stipulated herein for each calendar day the work remains uncompleted after the expiration of the contract period or any authorized reduction thereof.

A proposal guarantee in the amount stipulated herein is included with this proposal, to be forfeited to the Iowa Department of Natural Resources if the undersigned fails to execute the contract and furnish an approved performance bond, if awarded the contract.

By virtue of statutory authority, preference will be given to products and provisions grown and coal produced within the state of Iowa, and also, a resident bidder shall be allowed a preference against a nonresident bidder from a state or foreign country which gives or requires a preference to bidders from that state or foreign country on projects in which there are no federal funds involved.

BY

(Iowa Contractor Registration No.)

(FID/EIN/SSN)

(Signed)

(Date)

(Phone Number)

(Fax Number)

(Email Address)

**THE FOLLOWING AFFIDAVIT MUST BE COMPLETED AND NOTORIZED, OR THIS BID WILL BE REJECTED.
- AFFIDAVIT-**

The signatory, being duly sworn, does depose and say that the undersigned is an authorized representative of:

(Name of Firm)

Located at: _____

Hereinafter referred to as "Bidder" and does hereby affirm to have personal knowledge that said bidder has examined the drawings and specifications, carefully prepared the proposal form, and has checked the same in detail before submitting; and that said bidder, or the agents, officers, or employees thereof, have not either directly or indirectly, entered into any agreement, participated in any collusion or fraud, or otherwise taken any action in restraint of free competitive bidding in connection with this bid.

(Signed)

_____ Day of _____, 20 _____

(Signed Notary)

My Commission Expires _____, 20 _____

SCHEDULE OF PRICES

Project Description and Location

OLOFSON SHOOTING RANGE
 TRAINING CENTER & RANGE RENOVATION
 POLK COUNTY, IOWA
 PROJECT NO. 16-02-77-02

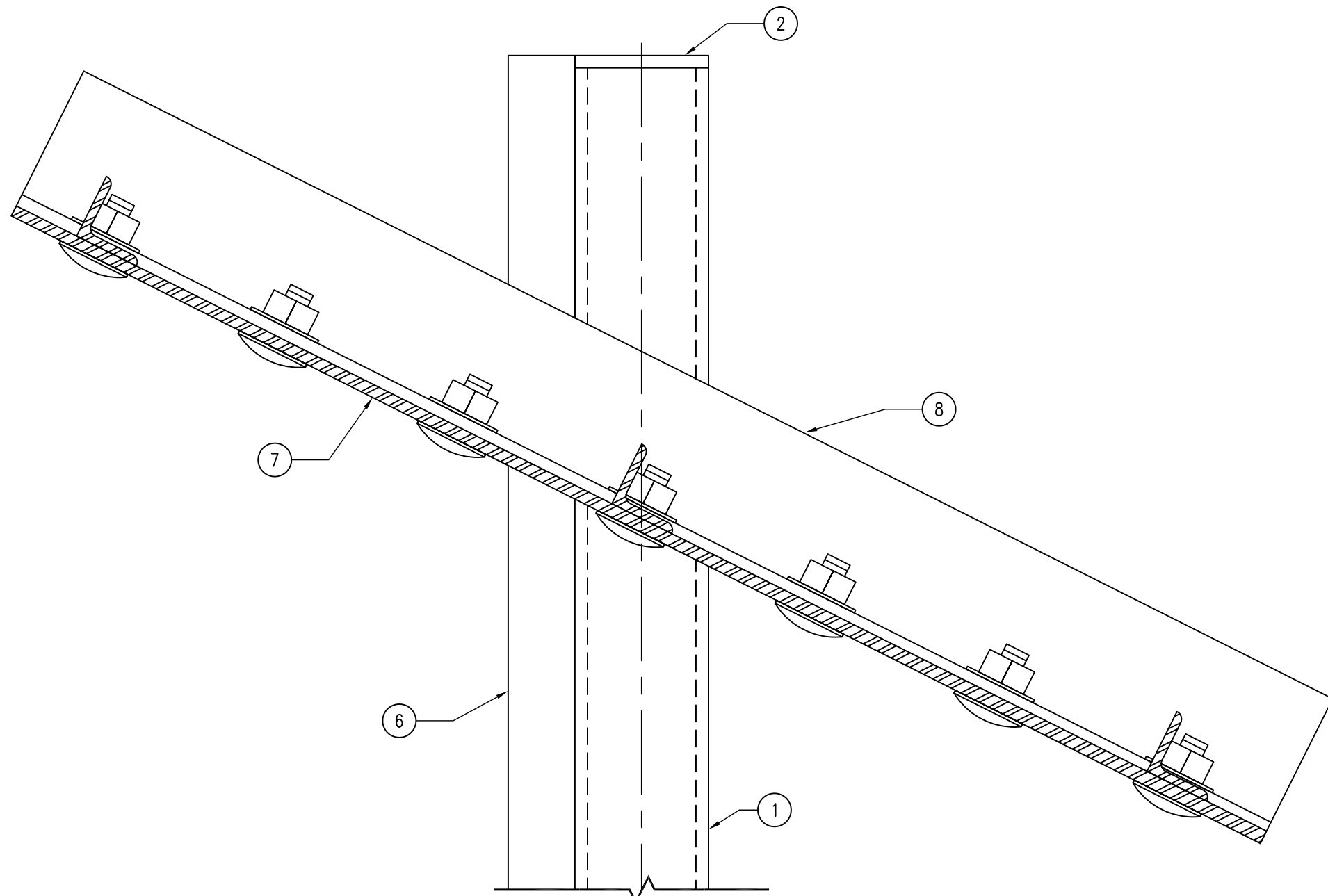
Name of Bidder

THE "UNIT PRICE" AND "AMOUNT" COLUMNS MUST BE FILLED IN FOR THIS PROPOSAL TO BE CONSIDERED COMPLETE. IF THERE IS A DISCREPANCY BETWEEN UNIT BID PRICES, EXTENSIONS, OR TOTAL AMOUNTS OF BID, THE UNIT PRICES SHALL GOVERN.

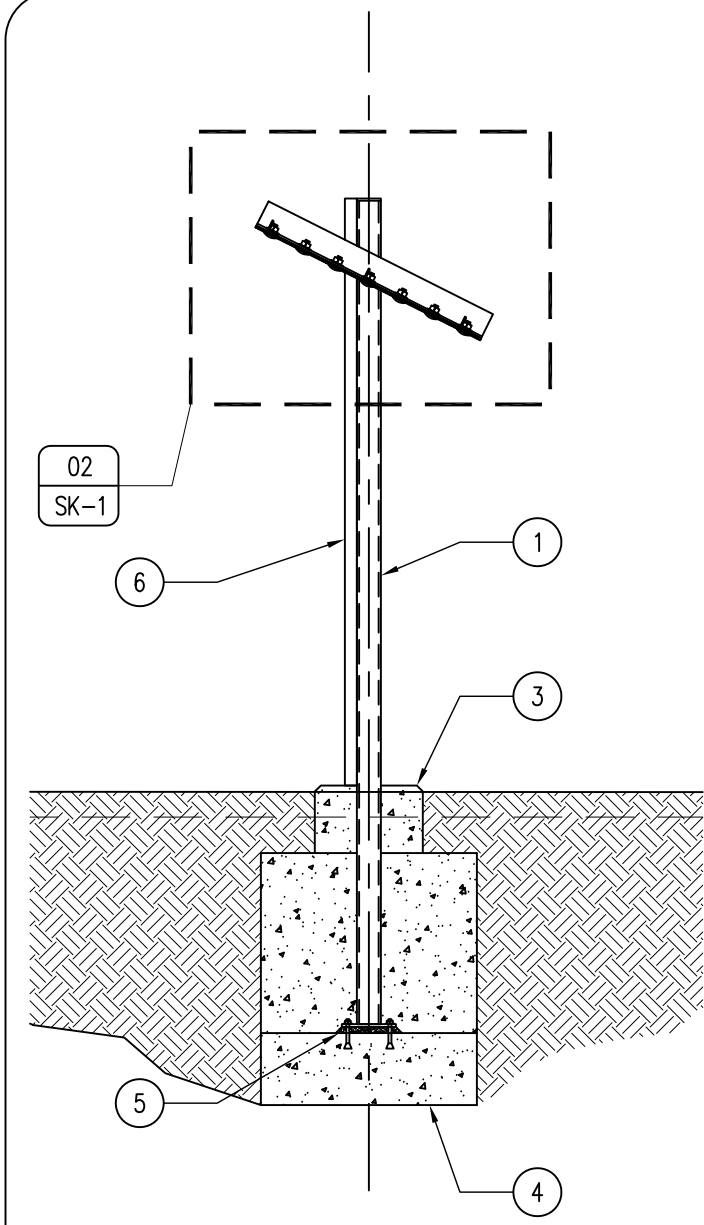
Item No.	Description	Estimated Quantity	Unit Price	Amount
1	GRADING	LS		
2	SEEDING, FERTILIZING AND MULCHING	4 AC		
3	SCOURSTOP OUTLET PROTECTION	16 SF		
4	8" FILTER SOCK	100 LF		
5	5" REINFORCED PCC SIDEWALK	166.5 SY		
6	GRANULAR SUBBASE FOR PCC SIDEWALK	34 TONS		
7	6" PVC SDR 35 PIPE	98 LF		
8	8" PVC SDR 35 PIPE	261 LF		
9	10" PVC SDR 35 PIPE	198 LF		
10	12" DIAMETER NYLOPLAST DRAIN BASIN	3 EA		
11	10" DIAMETER NYLOPLAST DRAIN BASIN	6 EA		
12	6" DIAMETER RAT GUARD	4 EA		
13	10" DIAMETER RAT GUARD	1 EA		
14	REPLACE GRATE WITH SOLID MANHOLE LID	1 EA		
15	2-INCH HDPE WATER PIPE	37 LF		
16	2-INCH CURB STOP	1 EA		
17	PAINT STRIPING AND MARKINGS	LS		
18	PRECAST CONCRETE PARKING WHEEL STOPS	11 EA		
19	SIGNAGE-HC SIGNS FOR PARKING SPACES	LS		
20	BLACK PVC COATED CHAIN LINK FENCING	LS		
21	NPDES GENERAL PERMIT #2 & SWPPP	LS		
22	CONSTRUCTION STAKING	LS		

23	MOBILIZATION	LS		
24	ELECTRICAL SERVICE (MAIN BLDG & STUBS TO ALTERNATES)	LS		
25	TRAINING CENTER BUILDING	LS		
BASE BID TOTAL				
ALTERNATE #1				
26	STORAGE GARAGE & PROPANE TANK ENCLOSURE	LS		
27	CLASS 'A' CRUSHED STONE	39 TONS		
ALTERNATE #2				
28	SHOOTING STRUCTURE #1 (INCL. INTERIOR ELECTRICAL)	1 EA		
29	ROAD GRAVEL	9.2 TONS		
30	5" REINFORCED PCC SIDEWALK	24 SY		
31	GRANULAR SUBBASE FOR PCC SIDEWALK	5 TONS		
ALTERNATE #3				
32	SHOOTING STRUCTURE #2 (INCL. INTERIOR ELECTRICAL)	1 EA		
33	ROAD GRAVEL	9.2 TONS		
34	5" REINFORCED PCC SIDEWALK	14 SY		
35	GRANULAR SUBBASE FOR PCC SIDEWALK	3 TONS		
ALTERNATE #4				
36	SHOOTING STRUCTURE #3 (INCL. INTERIOR ELECTRICAL)	1 EA		
37	ROAD GRAVEL	9.2 TONS		
38	5" REINFORCED PCC SIDEWALK	24 SY		
39	GRANULAR SUBBASE FOR PCC SIDEWALK	5 TONS		
ALTERNATE #5				
40	STONE ENTRANCE PORTAL	LS		
TOTAL BID INCLUDING ALL ALTERNATES				

Bidder Acknowledges Receipt of Any Issued Addenda Below (Number and Date)



02 DETAIL — BAFFLE CONNECTION
SCALE: 3" = 1'-0"



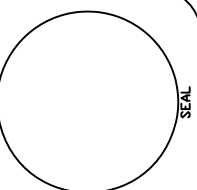
01 RANGE BAFFLE
SCALE: 3/8" = 1'-0"

KEYNOTES

1. HSS 4X4X $\frac{3}{8}$ " COLUMN.
2. $\frac{3}{8}$ " CAP PLATE, WELD & GRIND SMOOTH.
3. 18" DIAMETER CONCRETE PIER CAP, EXTEND ABOVE SURFACE 2" MINIMUM.
4. 36" DIAMETER CONCRETE FOOTING, 48" DEEP MINIMUM. POUR FIRST 12" FOOTING FOR COLUMN BASE PLATE.
5. COLUMN BASE PLATE $\frac{1}{2}$ "X9X9 WITH 4 $\frac{1}{2}$ " WEDGE ANCHORS, FOR ERECTION ONLY. LEVEL AND INSERT 1" NON-SHRINK GROUT UNDER PLATE.
6. 4X4X $\frac{3}{8}$ " STEEL ANGLE, TACK WELD ANGLE TO FACE OF COLUMN.
7. REMOVABLE ASSEMBLY OF $\frac{3}{8}$ "X9'-8"X3'-6" REINFORCED STEEL PLATE WITH SLOTTED HOLES TO BE BOLTED TO ANGLE. STIFFEN PANEL WITH THREE L2X2X $\frac{1}{4}$ " EVENLY SPACED ON BACKSIDE OF PANEL.
8. L4X4X $\frac{3}{8}$ " ANGLE, WELDED TO COLUMN AT ANGLE SPECIFIED ON MOCK-UP.

GENERAL NOTES

- A. FIELD VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION, SHEET A-101. ALL DIMENSIONS FOR BAFFLING SYSTEM ARE APPROXIMATE AND SHALL BE FIELD VERIFIED WITH OWNER PRIOR TO PERMANENT INSTALLATION.
- B. FIELD VERIFY ALL EQUIPMENT LOCATIONS FOR ELECTRICAL OUTLET LOCATIONS, REFER TO ELECTRICAL PLAN.
- C. ALL STEEL STRUCTURE AND MEMBERS TO BE PAINTED, ONE COAT STEEL PRIMER AND TWO COATS FINISH PAINT, COLOR TBD.
- D. 50-YARD RANGE TO BE PART OF ALTERNATE BID #2.
- E. 30-YARD RANGE TO BE PART OF ALTERNATE BID #3.
- F. 100-YARD RANGE TO BE PART OF ALTERNATE BID #4.

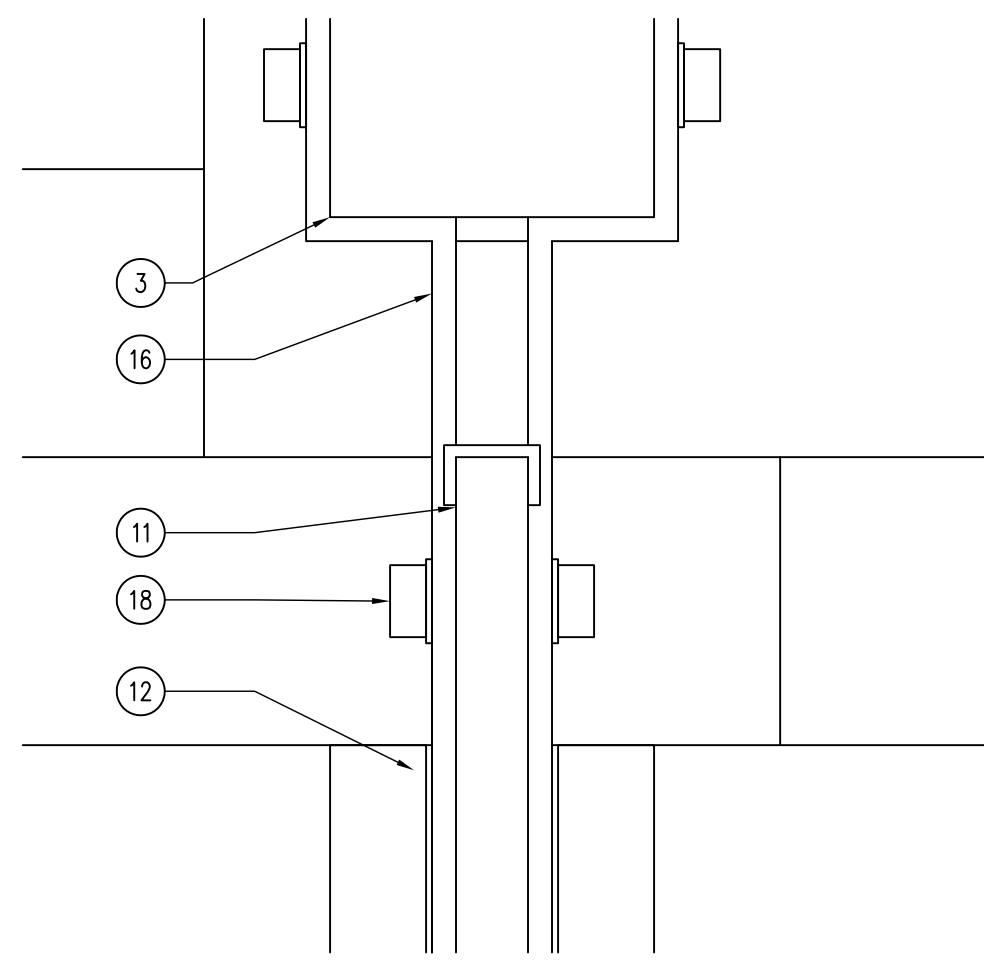


IOWA DEPARTMENT OF
NATURAL RESOURCES
ENGINEERING SERVICES - WALLACE BULFINCH
502 E. 9TH ST., DES MOINES, IA 50319-0034
P: 515.725.8200
F: 515.725.8202

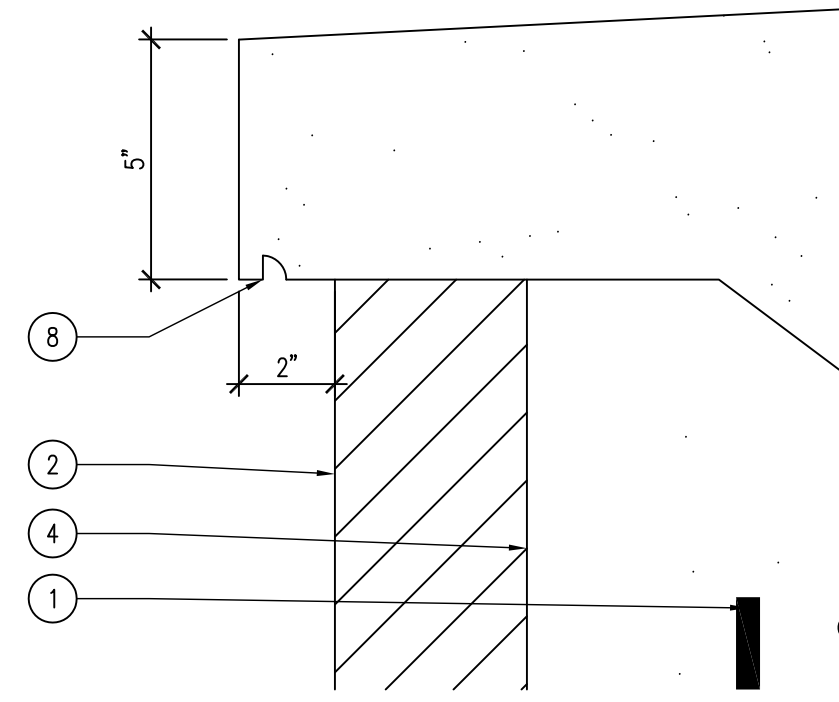


SHOOTING BAFFLES:
OLOFSON RANGE
OLOFSON SHOOTING RANGE POLK COUNTY, IA

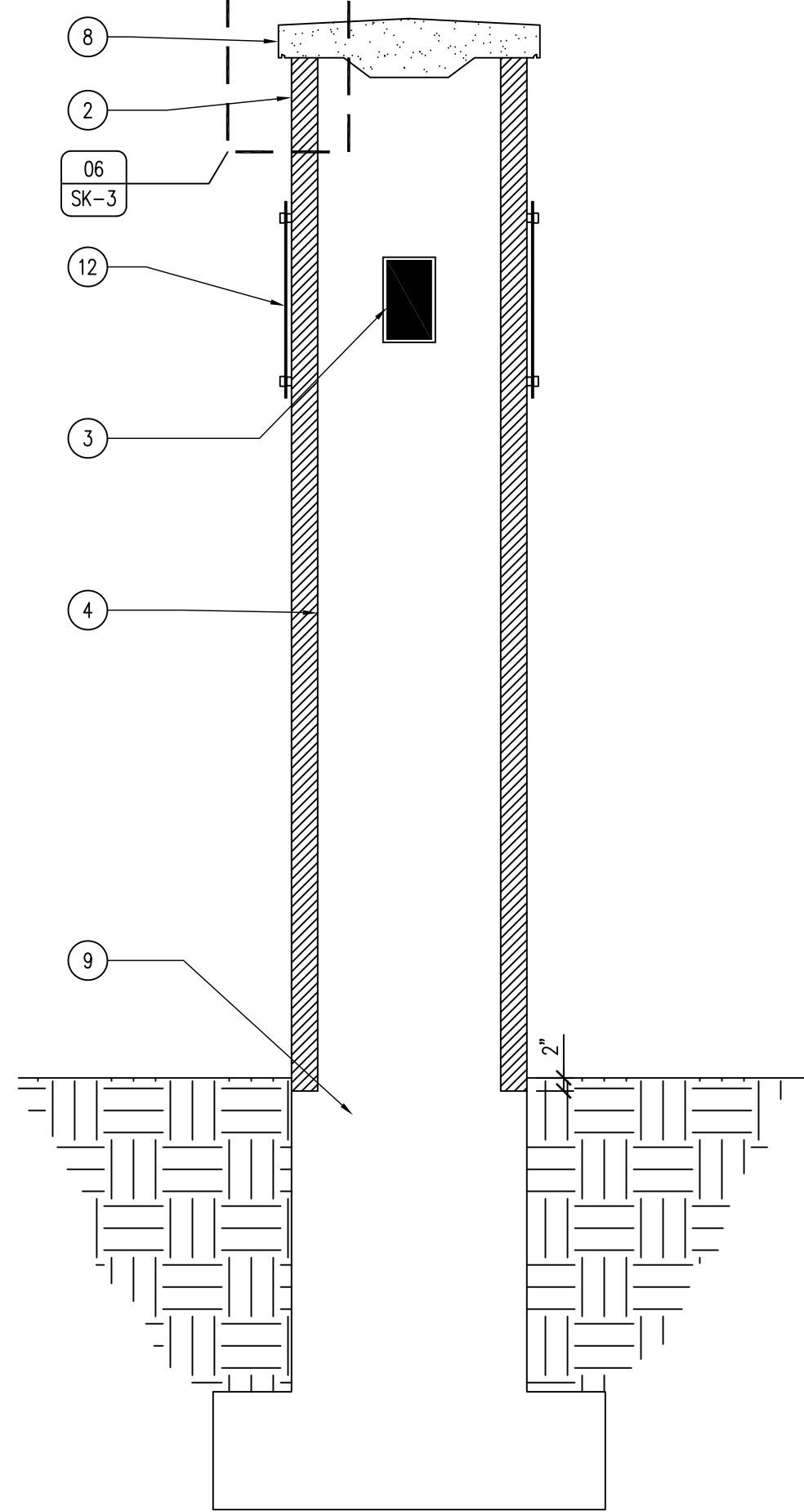
DRAWN BY:	PROJECT NUMBER:
CHK'D BY:	DATE:
SHEET No:	
SK-1	



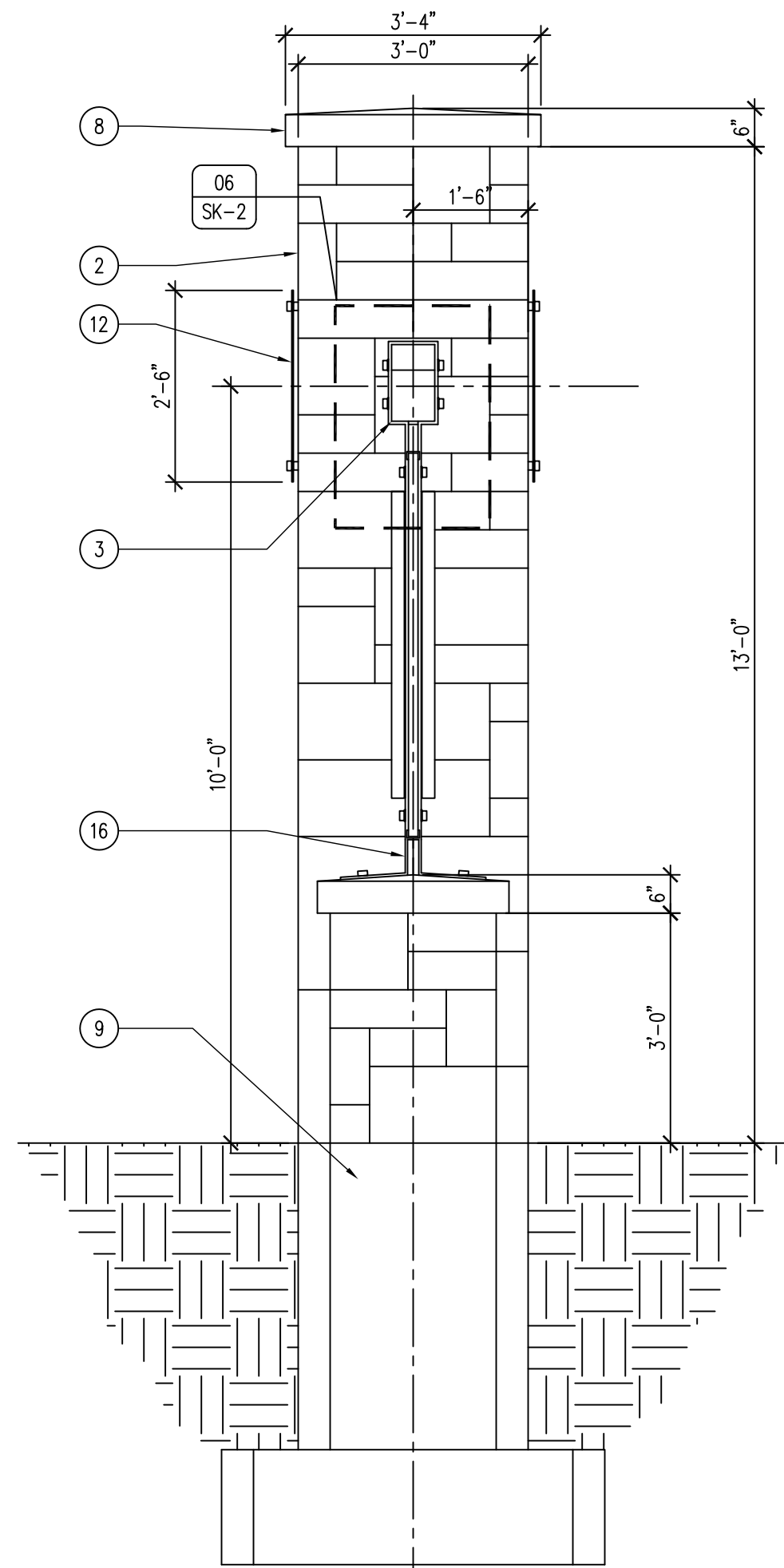
06 ENTRANCE PORTAL - DETAIL
SCALE: 3" = 1'-0"



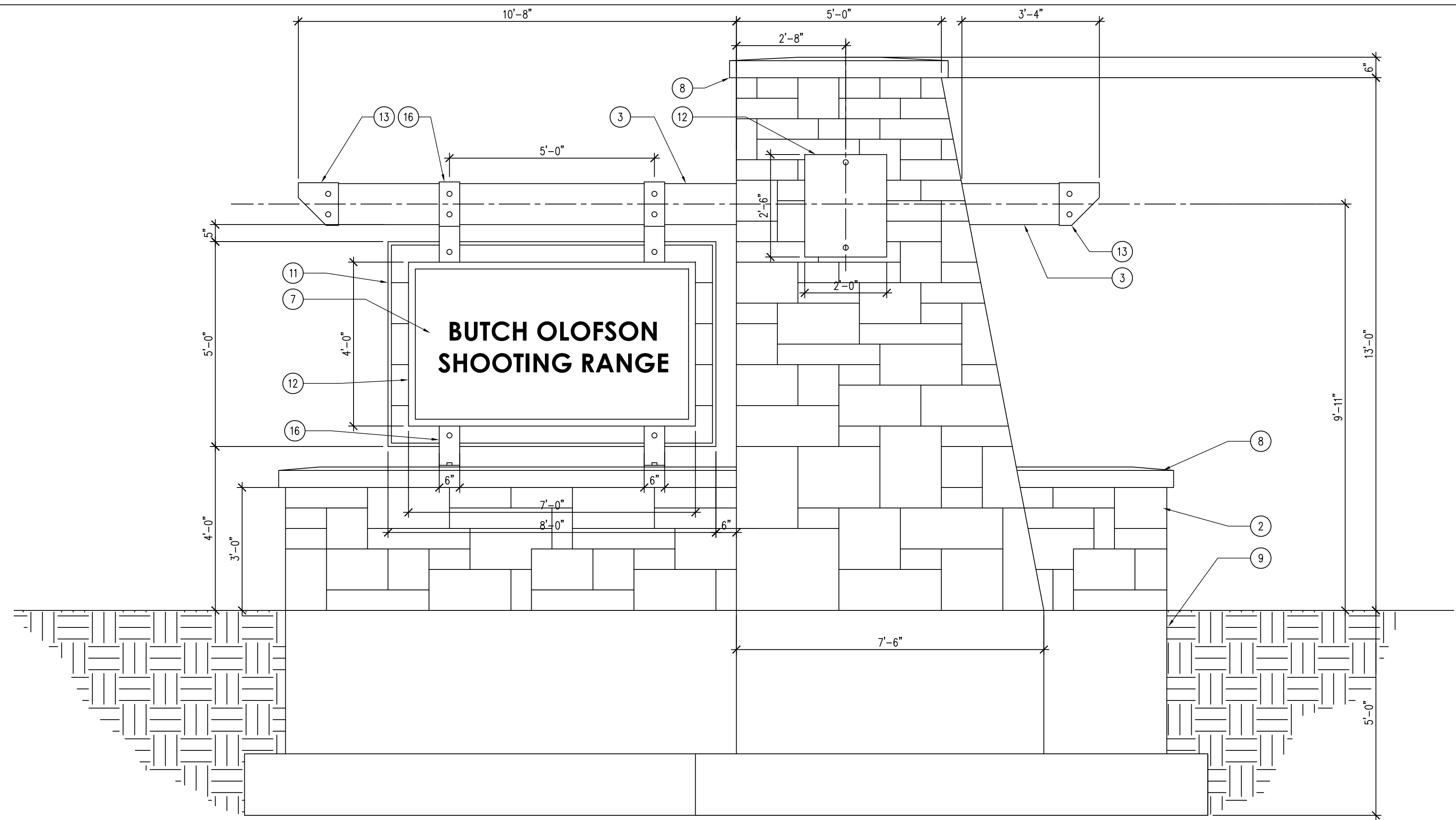
05 ENTRANCE PORTAL - DETAIL
SCALE: 3" = 1'-0"



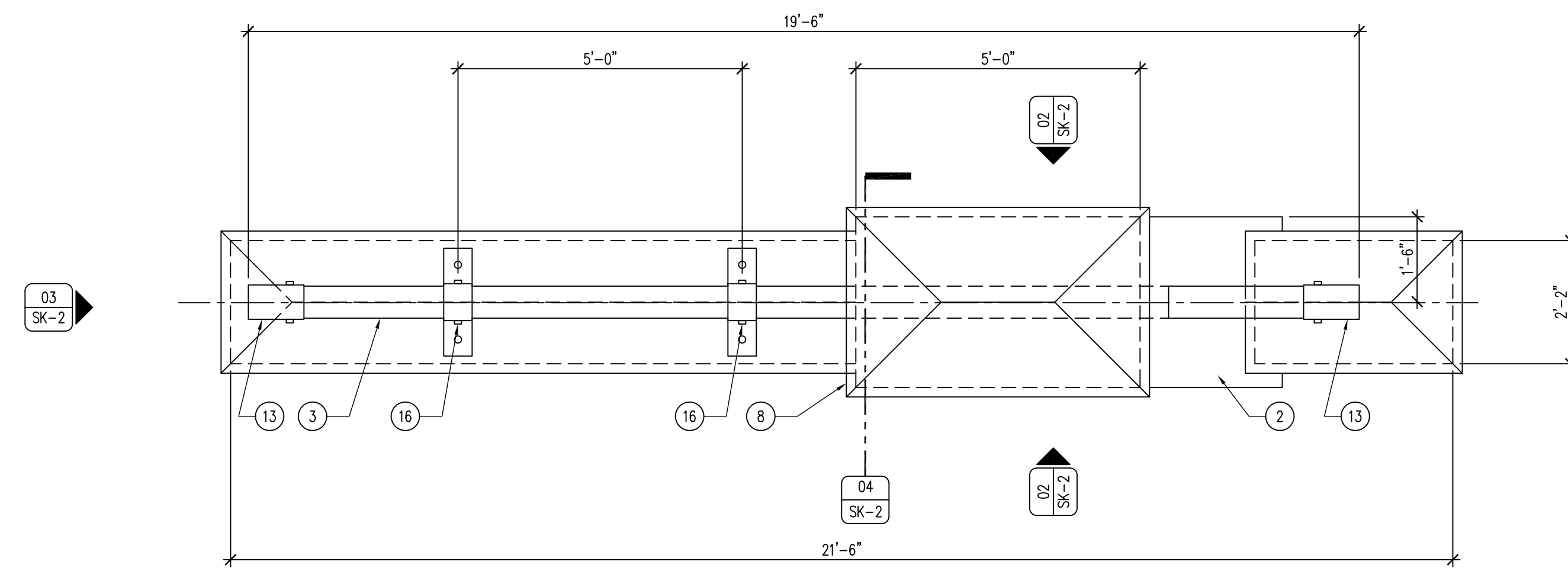
04 ENTRANCE PORTAL - ELEVATION
SCALE: 1/2" = 1'-0"



03 ENTRANCE PORTAL - ELEVATION
SCALE: 1/2" = 1'-0"



02 ENTRANCE PORTAL - ELEVATION
SCALE: 1/2" = 1'-0"



01 ENTRANCE PORTAL - PLAN
SCALE: 1/2" = 1'-0"

KEYNOTES

1. #4 REBAR 24" O.C. ALL DIRECTIONS.
2. GLACIAL ERRATIC, GRANITE BOULDERS WITH RANDOM PATTERN AND COLOR, MORTAR TO BE WHITE. EXTEND VENEER 2" BELOW GRADE. DIMENSION OF STONE, COLOR AND PATTERN SHOULD VARY THROUGHOUT. PATTERNING SHOWN FOR DEMONSTRATION ONLY. 1/2" AIR SPACE WITH CORROSION RESISTANT ANCHORS AND FASTENERS AS REQUIRED.
3. 12"x6 3/4" EXTERIOR GRADE LAMINATED BEAM WITH TWP 103 DARK OAK STAIN, TWO COATS.
4. CAST IN PLACE CONCRETE WALL FOUNDATION. ALLOW CAVITY AT TOP OF PYLON FOR STAINLESS WOOD BEAM RECEIVER.
5. CORROSION RESISTANT ANCHOR BOLTS, ATTACH SIGN BRACKETS IN CONCEALED ATTACHMENT BEHIND STONE VENEER. BACKER ROD AND SEALANT AS REQUIRED.
6. CAVITY FOR ACCESS TO STAINLESS SLEEVE AND ATTACHMENT PINS IN BEAM.
7. 2" SIGN-FOAM SIGN, OWNER SUPPLIED, CONTRACTOR INSTALLED.
8. 6" MONOLITHIC GRAY INDIANA LIMESTONE CAP, WITH CONTINUOUS COPPER PERIMETER DRIP EDGE AS SHOWN, SUBMIT SHOP DRAWINGS.
9. CAST IN PLACE CONCRETE FOUNDATION.
10. COPPER FLASHING WHERE NECESSARY.
11. 2X 18G CEDAR DECKING, STAIN TO MATCH BEAM WITH TWO COATS TWP 103. TRIM OUT WITH 1/2" STEEL FRAMING AROUND ENTIRE PERIMETER OF WOOD, EPOXY PAINT BLACK, DRILL WEEP HOLES IN BOTTOM OF FRAME.
12. NOT USED.
13. 1/2" STEEL BEAM COVER AS SHOWN, EPOXY PAINT BLACK.

14. STAINLESS STEEL LAMINATED BEAM "SLEEVE" TO RECEIVE LAMINATED BEAM AS SHOWN.
15. STAINLESS STEEL THREADED BOLTS TO ANCHOR LAMINATED BEAM IN SLEEVE AS SHOWN. EMBED THREADED SIDE INTO CONCRETE, SHIM LAMINATED BEAM FOR TIGHT FIT.
16. 1/2" CORROSION RESISTANT STEEL STRAP AS SHOWN WITH CORROSION RESISTANT ATTACHMENT BOLTS TO LAMINATED BEAM, EPOXY PAINT BLACK.
17. CONTINUOUS BACKING MATERIAL AND SEALANT.
18. STAINLESS STEEL ATTACHMENT BOLTS AND WASHERS.
19. 1/2" STEEL BEAM END-COVER AS SHOWN, EPOXY PAINT BLACK.

GENERAL NOTES

- A. FIELD VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION.
- B. USE COPPER FLASHING AND WEEP ROPES AT ALL NECESSARY LOCATIONS.
- C. USE CORROSION RESISTANT ACCESSORIES ON ALL TIE-BACK AND ANCHOR LOCATIONS.
- D. USE TYPE "O" LIME MORTAR (ASTM C270-07 COMPLIANT) ON ALL MASONRY MORTAR JOINTS.
- E. ALL WOOD PRODUCTS TO RECEIVE TWO COATS TWP 103 DARK OAK STAIN.
- F. SUBMIT SHOP DRAWINGS ON STONE LAYOUT, REBAR LAYOUT, CUSTOM LIMESTONE CAPSTONES, LAMINATED WOOD BEAMS, STEEL STRAPPING AND ACCESSORIES.

PORTAL PLAN & ELEVATIONS

TRAINING CENTER AND RANGE RENOVATION FOR:
OLOFSON SHOOTING RANGE

11652 NW NISSEN DR. POLK COUNTY, IOWA 50226

**IOWA DEPARTMENT OF
NATURAL RESOURCES**
ENGINEERING SERVICES - WALLACE BUILDING
502 E. 9TH ST., DES MOINES, IA 50319-0034
P: 515.725.8200
F: 515.725.8202



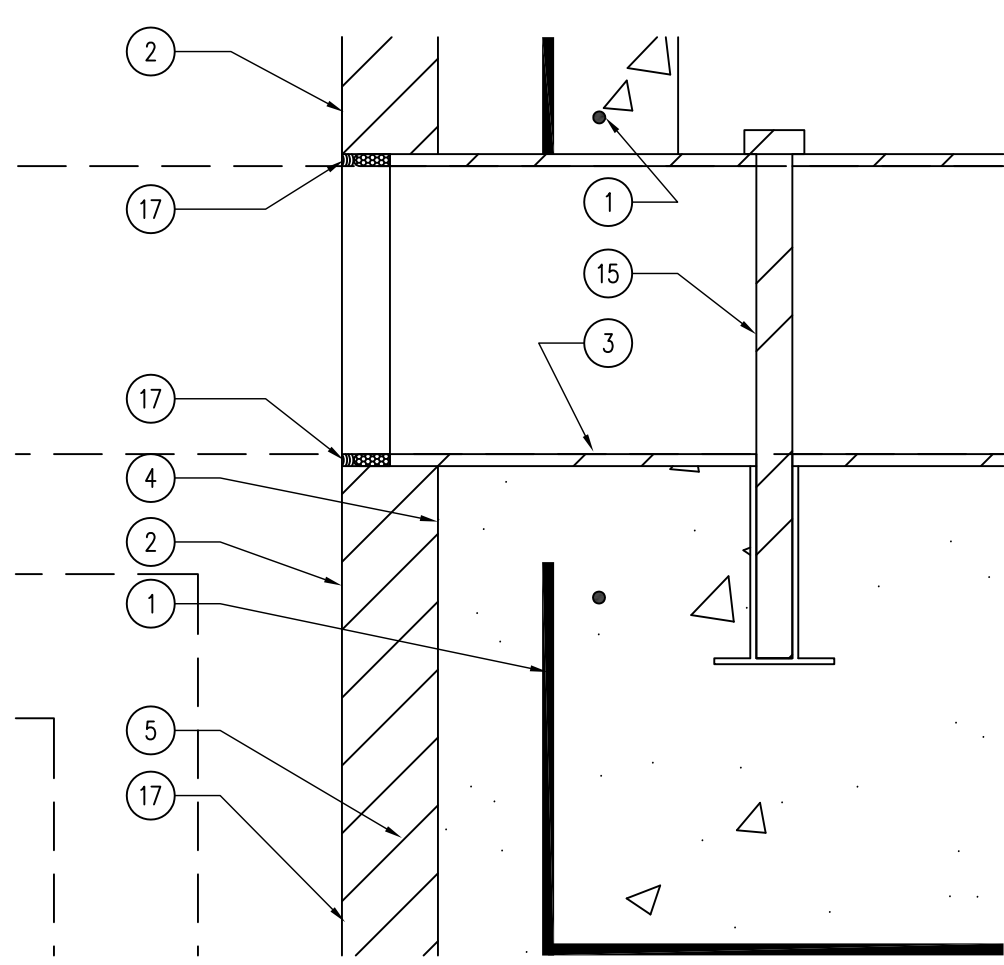
CONSULTANT:

NO.	BY	DATE	REVISION

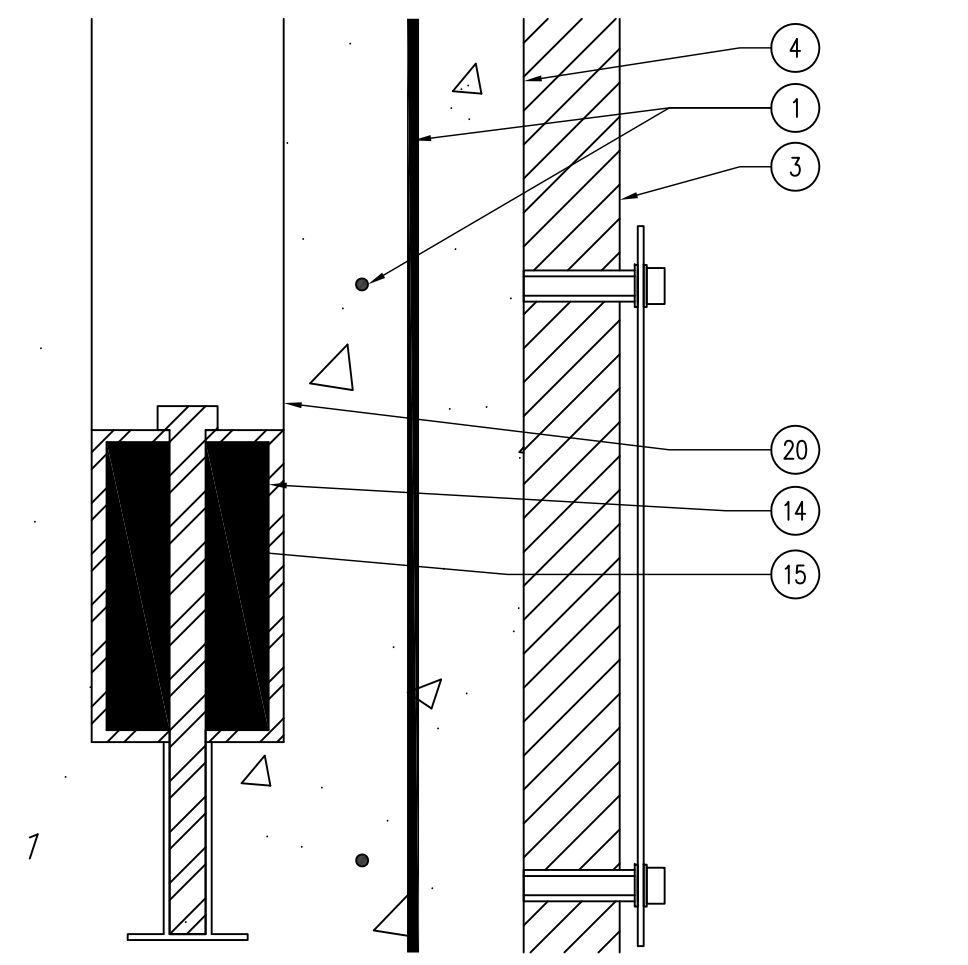
DRAWN BY: PROJECT NUMBER:
16-02-77-02

CHK'D BY: DATE:
08.31.2016

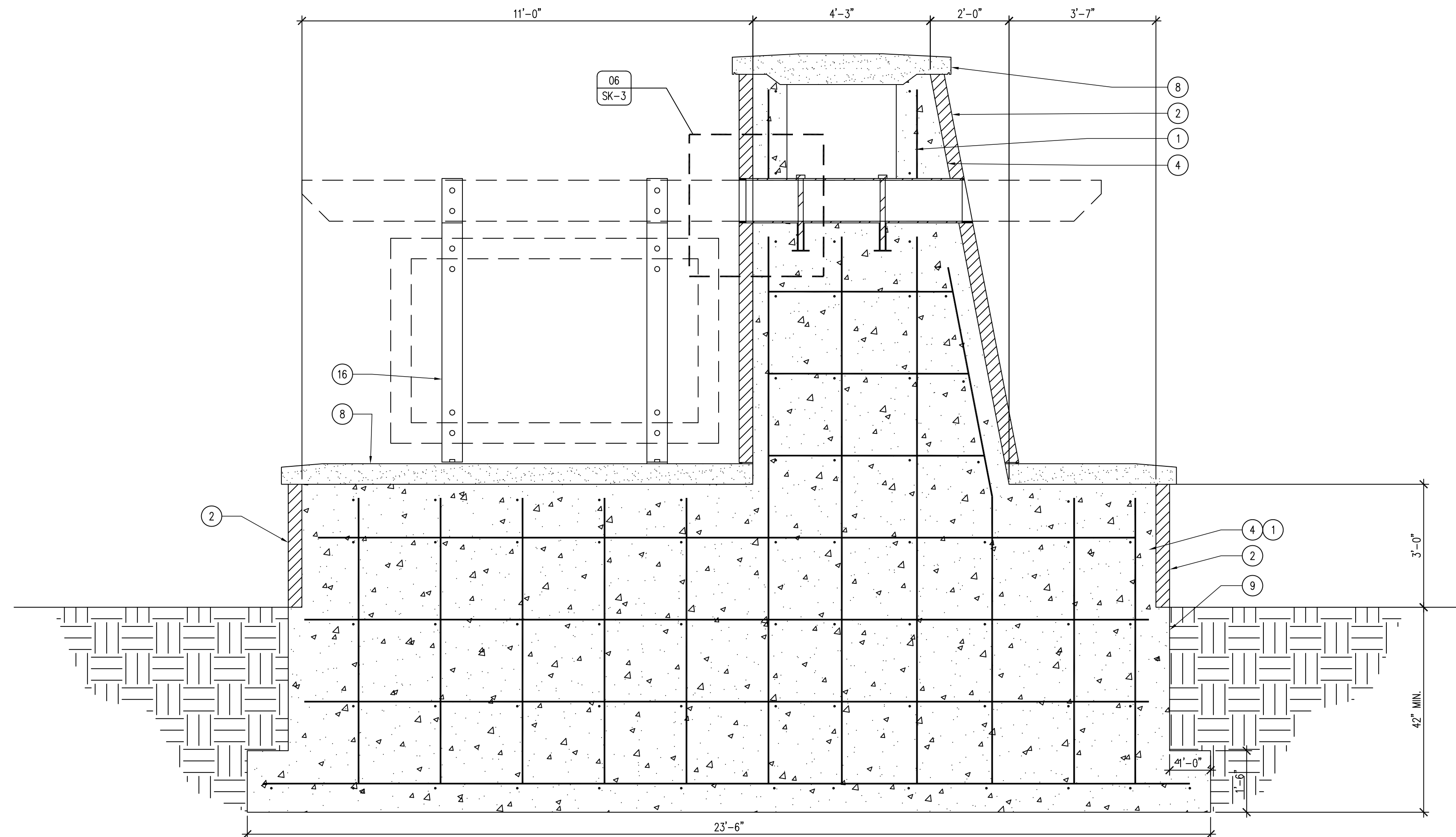
SHEET NO:
SK-2



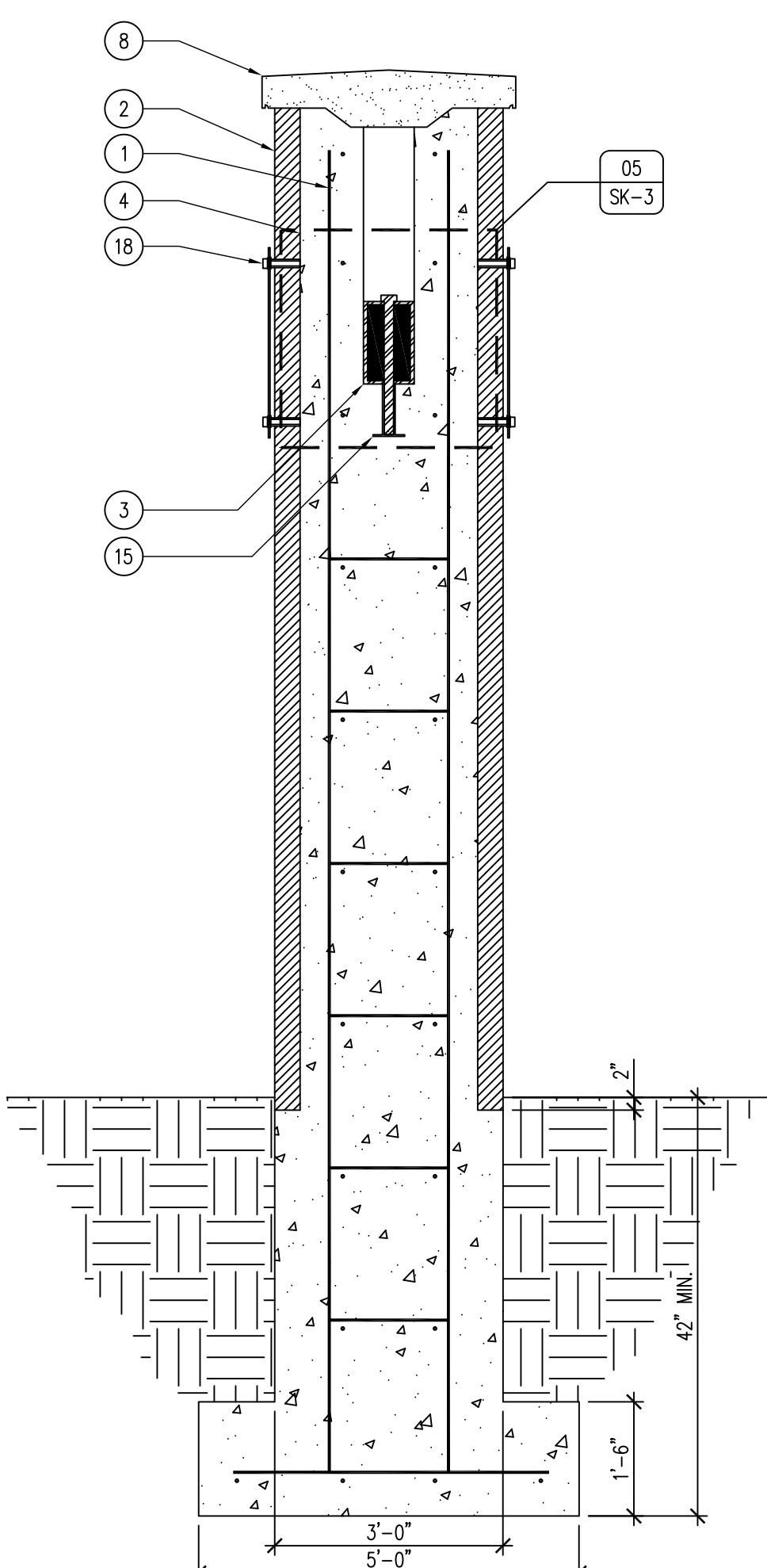
06 ENTRANCE PORTAL - DETAIL
SCALE: 3" = 1'-0"



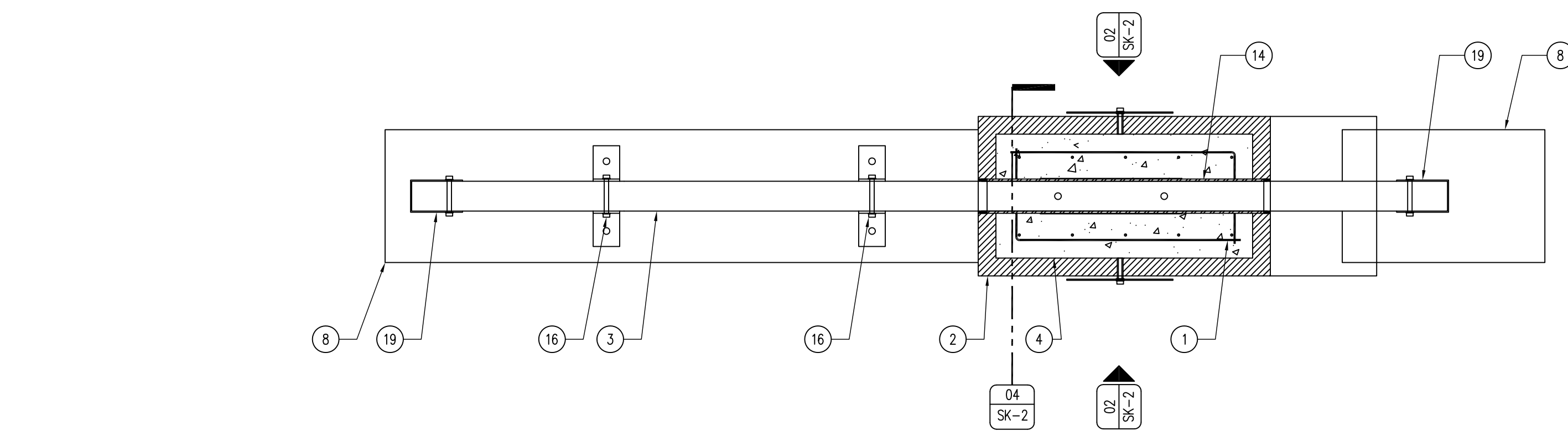
05 ENTRANCE PORTAL - DETAIL
SCALE: 3" = 1'-0"



02 ENTRANCE PORTAL - ELEVATION
SCALE: 1/2" = 1'-0"



03 ENTRANCE PORTAL - ELEVATION
SCALE: 1/2" = 1'-0"



01 ENTRANCE PORTAL - PLAN
SCALE: 1/2" = 1'-0"

04 NOT USED
SCALE:

KEYNOTES

1. #4 REBAR 24" O.C. ALL DIRECTIONS.
2. GLACIAL ERRATIC, GRANITE BOULDERS WITH RANDOM PATTERN AND COLOR, MORTAR TO BE WHITE. EXTEND VENEER 2" BELOW GRADE. DIMENSION OF STONE, COLOR AND PATTERN SHOULD VARY THROUGHOUT. PATTERNING SHOWN FOR DEMONSTRATION ONLY. 1/2" AIR SPACE WITH CORROSION RESISTANT ANCHORS AND FASTENERS AS REQUIRED.
3. 12"x6 3/4" EXTERIOR GRADE LAMINATED BEAM WITH TWP 103 DARK OAK STAIN, TWO COATS.
4. CAST IN PLACE CONCRETE WALL FOUNDATION. ALLOW CAVITY AT TOP OF PYLON FOR STAINLESS STEEL WOOD BEAM RECEIVER.
5. CORROSION RESISTANT ANCHOR BOLTS, ATTACH SIGN BRACKETS IN CONCEALED ATTACHMENT BEHIND STONE VENEER. BACKER ROD AND SEALANT AS REQUIRED.
6. CAVITY FOR ACCESS TO STAINLESS SLEEVE AND ATTACHMENT PINS IN BEAM.
7. 2" SIGN-FOAM SIGN, OWNER SUPPLIED, CONTRACTOR INSTALLED.
8. 6" MONOLITHIC GRAY INDIANA LIMESTONE CAP, WITH CONTINUOUS COPPER PERIMETER DRIP EDGE AS SHOWN, SUBMIT SHOP DRAWINGS.
9. CAST IN PLACE CONCRETE FOUNDATION.
10. COPPER FLASHING WHERE NECESSARY.
11. 2X 18G CEDAR DECKING, STAIN TO MATCH BEAM WITH TWO COATS TWP 103. TRIM OUT WITH 1/2" STEEL FRAMING AROUND ENTIRE PERIMETER OF WOOD, EPOXY PAINT BLACK, DRILL WEEP HOLES IN BOTTOM OF FRAME.
12. NOT USED.
13. 1/2" STEEL BEAM COVER AS SHOWN, EPOXY PAINT BLACK.

14. STAINLESS STEEL LAMINATED BEAM "SLEEVE" TO RECEIVE LAMINATED BEAM AS SHOWN.
15. STAINLESS STEEL THREADED BOLTS TO ANCHOR LAMINATED BEAM IN SLEEVE AS SHOWN. EMBED THREADED SIDE INTO CONCRETE, SHIM LAMINATED BEAM FOR TIGHT FIT.
16. 1/2" CORROSION RESISTANT STEEL STRAP AS SHOWN WITH CORROSION RESISTANT ATTACHMENT BOLTS TO LAMINATED BEAM, EPOXY PAINT BLACK.
17. CONTINUOUS BACKING MATERIAL AND SEALANT.
18. STAINLESS STEEL ATTACHMENT BOLTS AND WASHERS.
19. 1/2" STEEL BEAM END-COVER AS SHOWN, EPOXY PAINT BLACK.

GENERAL NOTES

- A. FIELD VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION.
- B. USE COPPER FLASHING AND WEEP ROPES AT ALL NECESSARY LOCATIONS.
- C. USE CORROSION RESISTANT ACCESSORIES ON ALL TIE-BACK AND ANCHOR LOCATIONS.
- D. USE TYPE "O" LIME MORTAR (ASTM C270-07 COMPLIANT) ON ALL MASONRY MORTAR JOINTS.
- E. ALL WOOD PRODUCTS TO RECEIVE TWO COATS TWP 103 DARK OAK STAIN.
- F. SUBMIT SHOP DRAWINGS ON STONE LAYOUT, REBAR LAYOUT, CUSTOM LIMESTONE CAPSTONES, LAMINATED WOOD BEAMS, STEEL STRAPPING AND ACCESSORIES.

CONSULTANT:

**IOWA DEPARTMENT OF
NATURAL RESOURCES**
ENGINEERING SERVICES - WALLACE BUILDING
502 E. 9TH ST., DES MOINES, IA 50319-0034
P: 515.725.8200
F: 515.725.8202



PORTAL SECTIONS & DETAILS

TRAINING CENTER AND RANGE RENOVATION FOR:
OLOFSON SHOOTING RANGE

11452 NW NISSEN DR. POLK COUNTY, IOWA 50226

NO. BY DATE REVISION

DRAWN BY: PROJECT NUMBER:
16-02-77-02

CHK'D BY: DATE:
08.31.2016

SHEET NO:

SK-3