



CITY OF WORCESTER, MASSACHUSETTS



Administration & Finance
Purchasing Division
455 Main Street – Room 201
Worcester, MA 01608
(508) 799-1220
www.worcesterma.gov

May 6, 2022

To All Bidders:

Subject: **Bid No. 7800-W2, Coal Mine Brook Site Improvements / DPWP**

ADDENDUM NO. 1

To Whom It May Concern:

With reference to our bid request relative to the above subject, please refer to the changes/modifications/clarifications to the original proposal request.

- **BID DUE DATE HAS BEEN EXTENDED TO FRIDAY, MAY 20, 2022 AT 10:00 AM**
- **PLEASE SEE ATTACHED GENERAL BID CLARIFICATIONS AND QUESTIONS RECEIVED AND RESPONSES FROM CITY**

Bidders are requested to acknowledge and/or include this addendum with bid. All other terms, conditions and specifications remain unchanged.

Very truly yours,

Christopher J. Gagliastro
Purchasing Director

ADDENDUM NUMBER ONE

Date: May 06, 2022
Project: Coal Mine Brook Site Improvements
City of Worcester Dept. of Public Works and Parks; Parks, Recreation and Cemetery Div.

General Bid Clarifications:

1. Detail of typical hand hole attached: - Precast concrete flat wall construction, H-20 design/test load or approved equal. Size for a typical electric hand hole is 12"x24" clear opening and 33" depth. Size for a typical communication hand hole is 24"x 36" clear opening and 36" depth. Include cast iron frame and cover (non-slip finish) with permanent Logo of "Electric" or "Communication". Final placement and routing of electrical and communication hand hole and conduits to be approved by Owner, no conduits or hand hole allowed within designated limit/footprint of outdoor exercise and playground areas.
2. Communication conduit shall be 2-inch Schedule 40 rolled continuous smooth wall HDPE (high density polyethylene), preferred color is orange. Conduits from communication hand holes to electrical pole shall be 1.5 – inch schedule 80 PVC.
3. Precast Concrete block wall finish to be **Cobble** finish.
4. Contractor to furnish and install three (3) bicycle racks, surface mounted and powder coated black. Specifications attached or approved equal.
5. Synthetic Turf /Grass Specifications attached or approved equal.
6. Special Conditions and Specifications, Article 41. Security Camera(s) Appurtenances:
 - a. Item a; Delete "\$100,000" and replace with "\$150,000".

General Bid Questions:

Question1: HDPE conduit specified in Article 41 special conditions is conflicting with details on drawing E3, please confirm 2 inch HDPE is to be used?

Answer: **Refer to General Bid Clarifications item #2**

Question2: Drawing E9 depicts a pre-cast HH with metal frame, and cover. The electric HH notes on drawing E9 are conflicting as they specify a fiberglass product. Also the notes specify two different sizes, where are the different sizes to be used? These HH sizes, and spec are not what is commonly used on the majority of city parks projects.

Answer: **Refer to General Bid Clarifications item #1**

Question3: Drawing E6, proposed electrical riser detail shows a panel board, that panel board is conflicting with the specifications under section 2.07 of the electrical specs. Please specify which panel board should be used.

Answer: **Panelboard P-1 120/240V, 1-phase, 3-wire, 100A main circuit breaker, 22kA A1C 18 circuit panelboard, (NEMA 3) enclosure with the number and size of circuit breakers as listed on the panel schedules provided in the Contract Drawings.**

Question4: On Drawing E-2, Pole Line Material List, Item #11, indicates 1-1/2" HDPE Communication Conduit. Specification Page 26 00 00-5, Section 2.02 does not specify HDPE conduit. There are many types of HDPE conduit. My vendors tell me that it is very expensive, it is not readily available and must be purchased in minimum quantities. HDPE conduit is sold as a coil in 1 piece. Would you consider using PVC?

Answer: **Refer to General Bid Clarifications item #2**

Question5: I spoke with the manufacturer who's the basis of design on the ornamental fence. They said that they could not do radiuses like is shown on the drawings. I spoke with alternative manufacturers as well as they said the same thing. How would you like me to proceed?

Answer: **Ornamental fence layout depicted on plans are diagrammatic. Owner acknowledges fence panels are to be linear/straight between posts. Please also refer to Article 42 of Special Conditions regarding core spacing and location of post on precast concrete wall. Coordinate and review with owner final placement of post for approval.**

Attachments:

Project Standard Hand Hole Specification (6 pages)
Synthetic Turf /Grass Specification (1 page)
Bike Rack Specification (2 page)

END OF ADDENDUM ONE

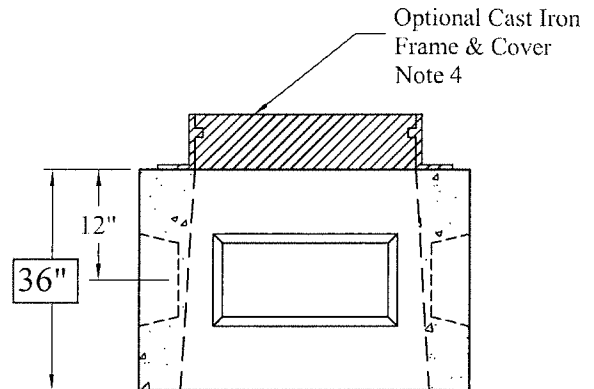
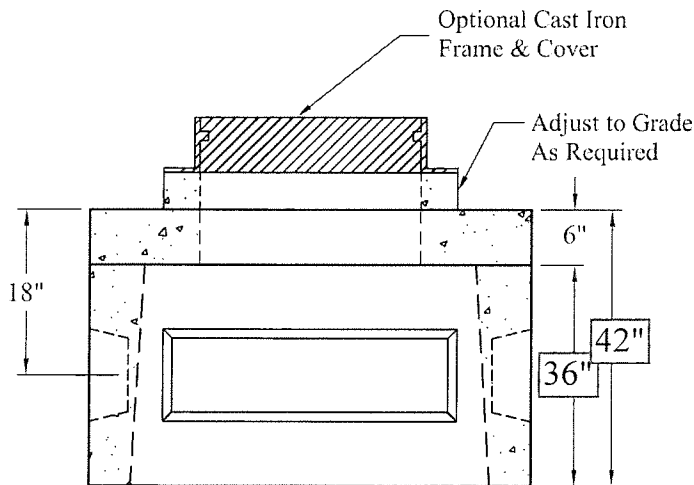
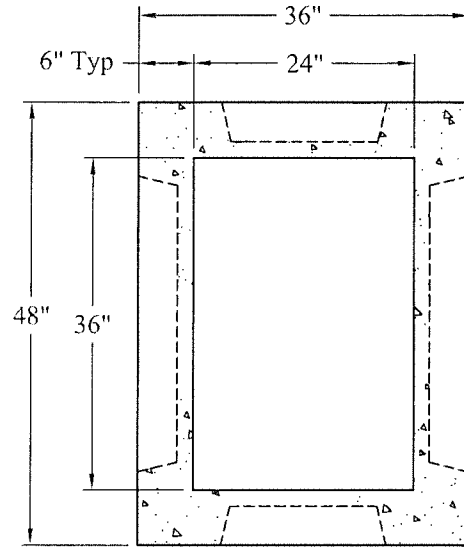
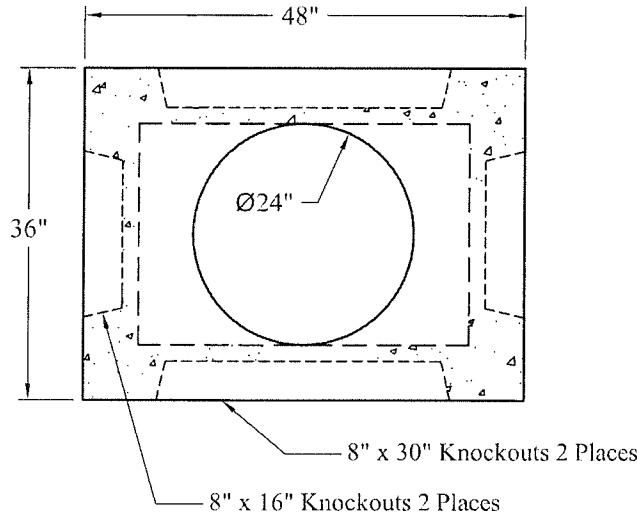
1-800-639-2199

Fax (603) 224-2927

Electrical Pull Boxes 24" x 36" x 24" Inch Pull Box (v)

Phoenix Precast Products

Phoenix Precast Products



Est Weight:

Top Slab: 660 Lbs
Base: 2355 Lbs
Total: 2955 Lbs

General Notes

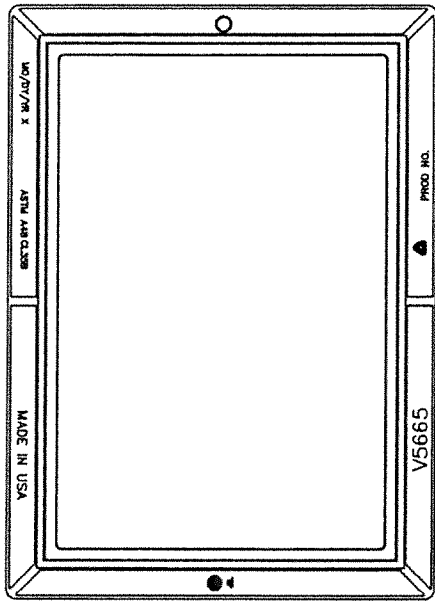
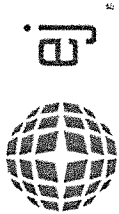
- 1.) Concrete fc: 4,000 psi @ 28 Days Minimum
- 2.) Reinforcement Steel: ASTM A615 Grade 60 Rebar
- 3.) Design Loading: AASHTO-HS20-44
- 4.) Rectangular Cover N1878 B72

Phoenix
Precast
Products

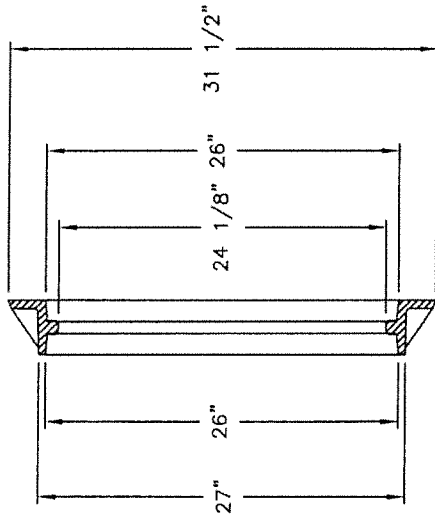
24" x 36" x 36"
Pull Box

P/N:

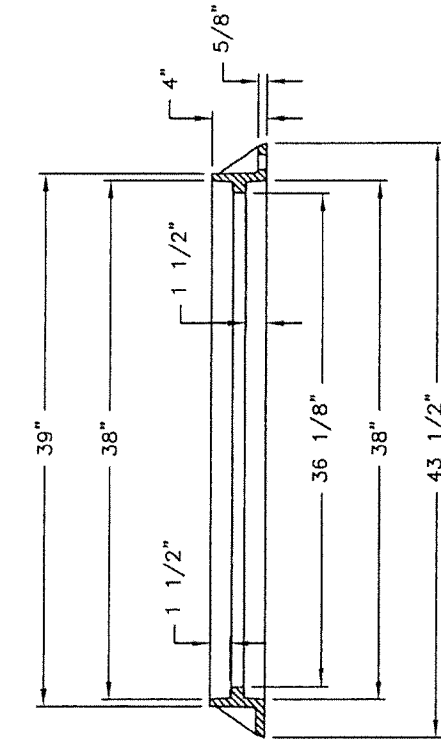
V5665 Frame



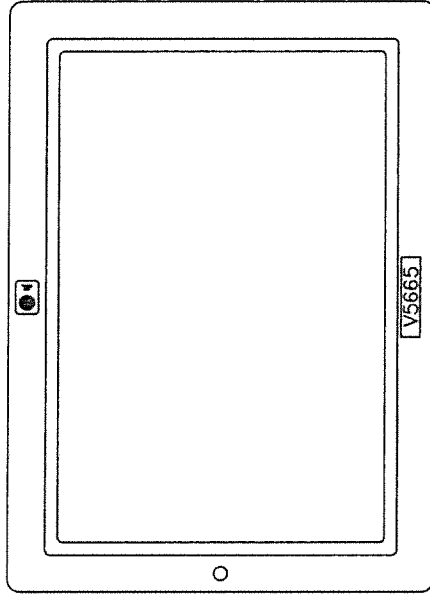
PLAN VIEW



FRAME SECTION



FRAME SECTION



TOP FLANGE VIEW

Product Number
45665010

Design Features

- Materials
Gray Iron (CL35B)
- Design Load
Heavy Duty
- Open Area
n/a
- Coating
Undipped
- Designates Machined Surface

Certification

- ASTM A48
- Country of Origin: USA

Drawing Revision

05/02/2003 Designer: DEW
09/08/2016 Revised By: DVD

Disclaimer

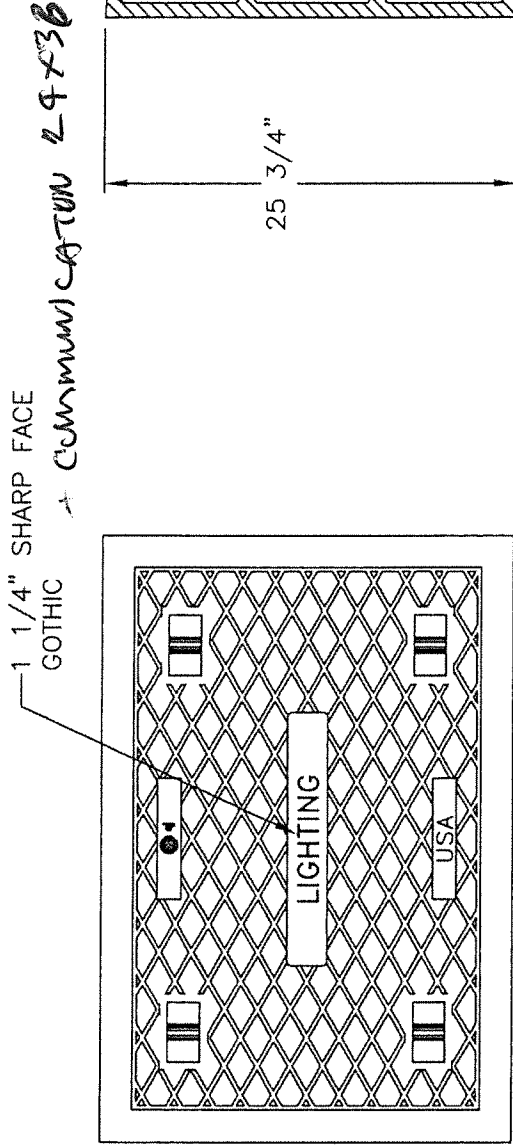
Weights (lbs./kg) dimensions (inches/mm)
and drawings provided for your guidance. We
reserve the right to modify specifications without
prior notice.

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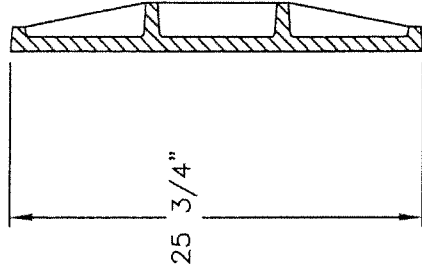
Contact

800 626 4653
ejco.com

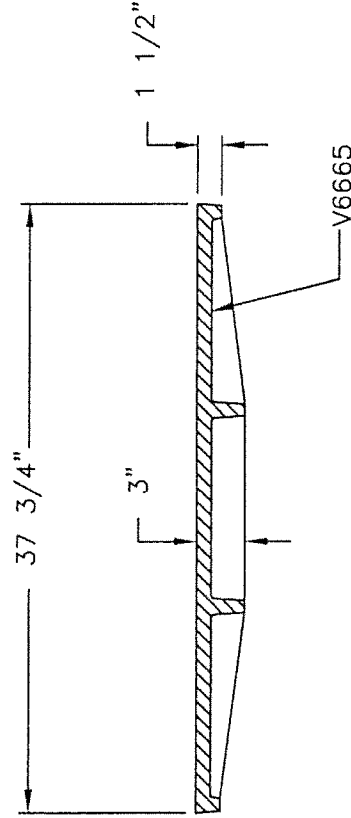
V6665 Cover



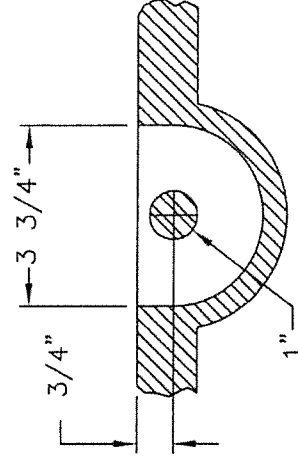
COVER TOP VIEW



COVER SECTION



COVER SECTION



(4) TYPE 4 STAINLESS STEEL PICKBARS
PICKBAR DETAIL

Product Number
46665022

Design Features

- Materials
Gray Iron (CL35B)
- Design Load
Heavy Duty
- Open Area
n/a
- Coating
Undipped
- Designates Machined Surface

Certification
-ASTM A48

-Country of Origin: USA

Drawing Revision
06/12/2006 Designer: TCL
6/3/2015 Revised By: DAE

Disclaimer

Weights (lbs./kg) dimensions (inches/mm) and drawings provided for your guidance. We reserve the right to modify specifications without prior notice.

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Contact

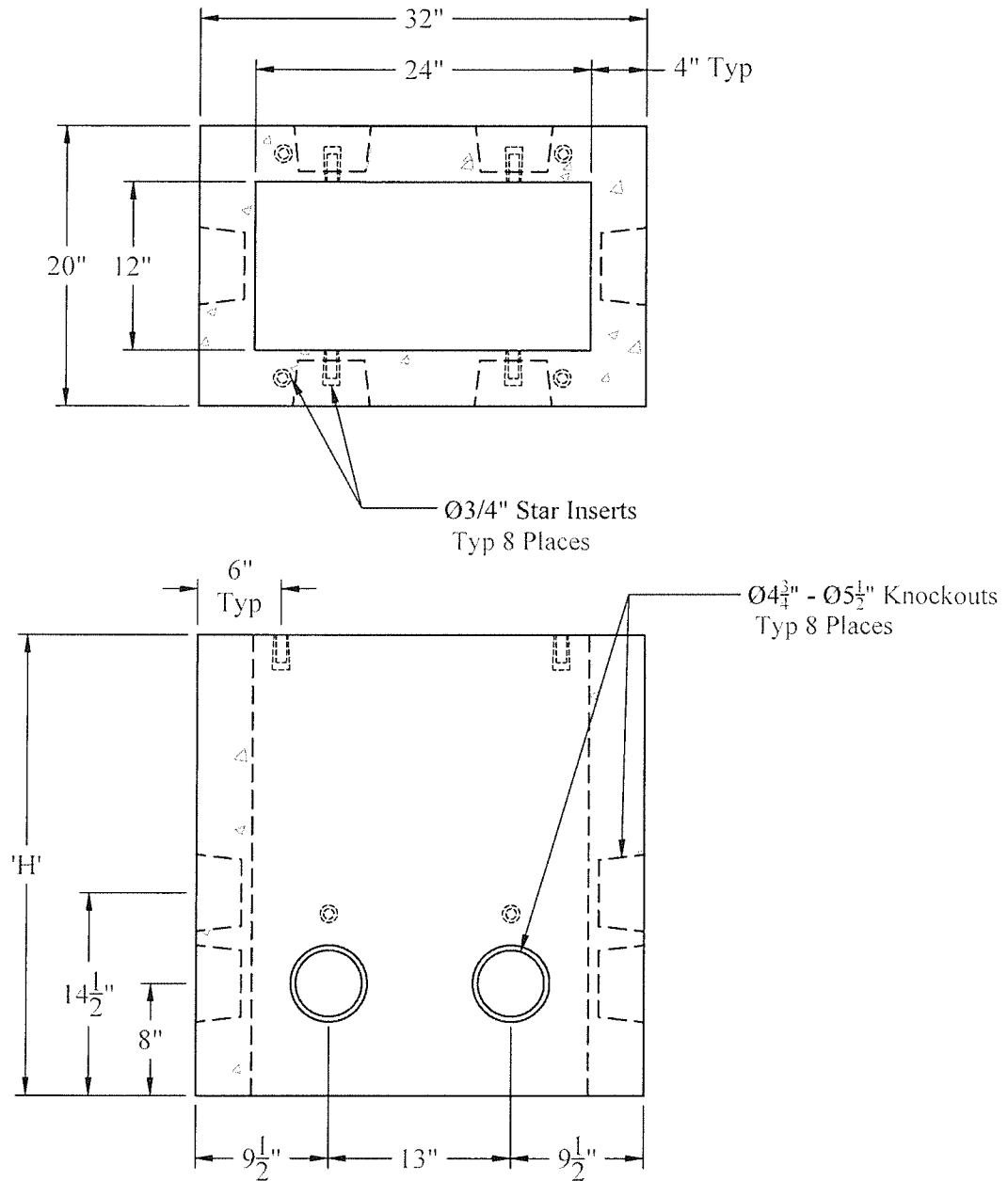
800 626 4653
ejco.com

1-800-639-2199

Fax (603) 224-2927

Electrical/Pull Boxes/12 X 24 Inch Pull Box_(v)_Rev0

Phoenix Precast Products



Dim 'H'	Est Weight:	P/N:
20"	600 Lbs	HH-12X24BOSSHT
33"	1,000 Lbs	HH-12X24BOSTALL

General Notes

1. Concrete: $f_c = 4,000$ psi @ 28 Days Minimum
2. Steel Reinforcement Conforms to Latest ASTM Specification:
ASTM A-615, Grade 60 Black Deformed Bars
3. Boston Standard Pull Box

Phoenix
Precast
Products

12" x 24" Electric
Handhole

77 Regional Drive

Concord, NH 03301

Phoenix Precast Products

EJW EAST JORDAN
IRON WORKS EST. 1883

800-626-4653

www.ejiw.com

MADE IN USA

PRODUCT NUMBER

00801312

CATALOG NUMBER

8013Z1

LV1325 FRAME

LOAD RATING

HEAVY DUTY

COATING

UNDIPPED

SPECIFICATION

FRAME-GRAY IRON

ASTM A48 CL35B

OPEN AREA

NA

✓ DESIGNATES

MACHINED SURFACE

DRAWN SBB

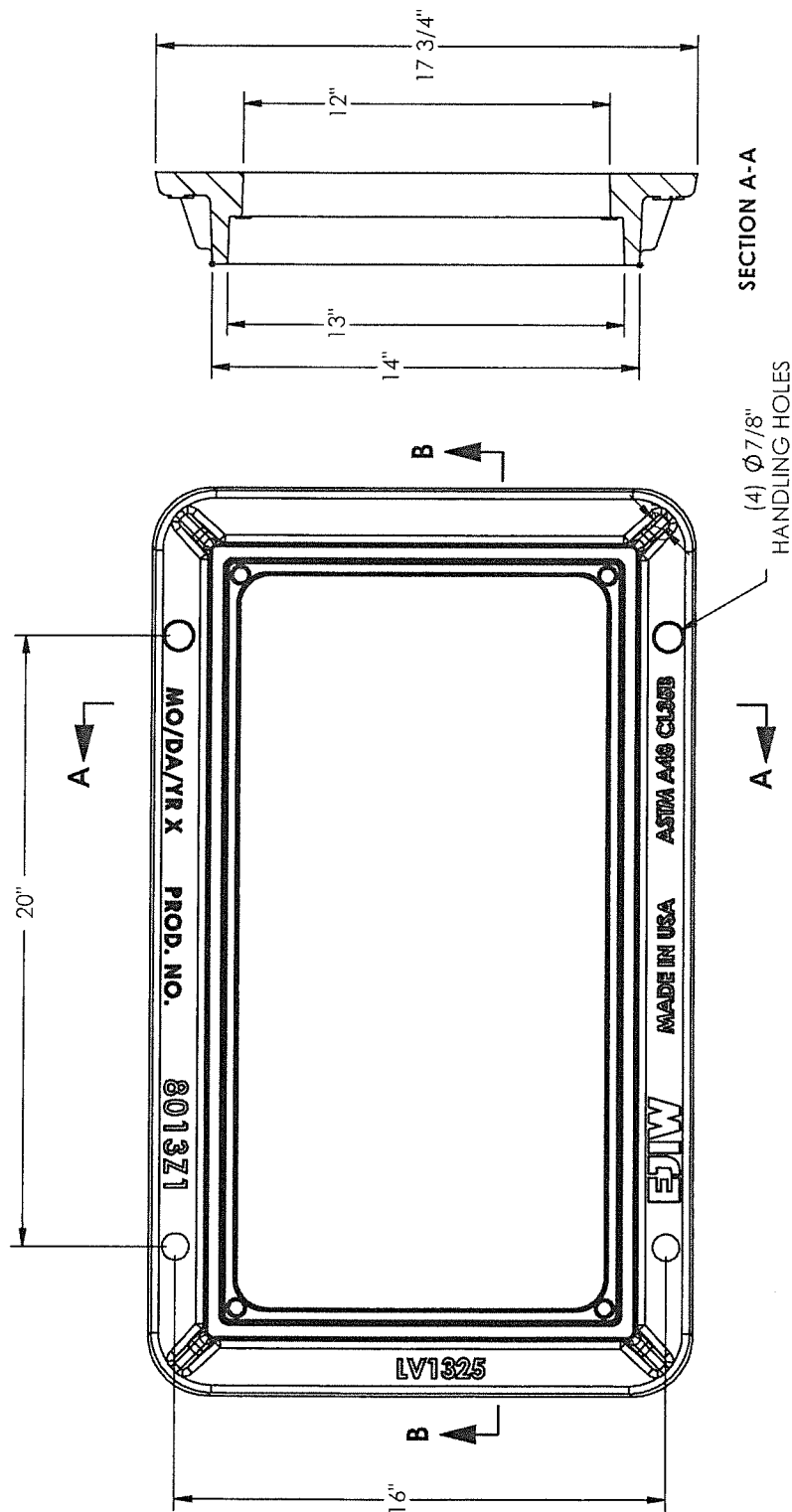
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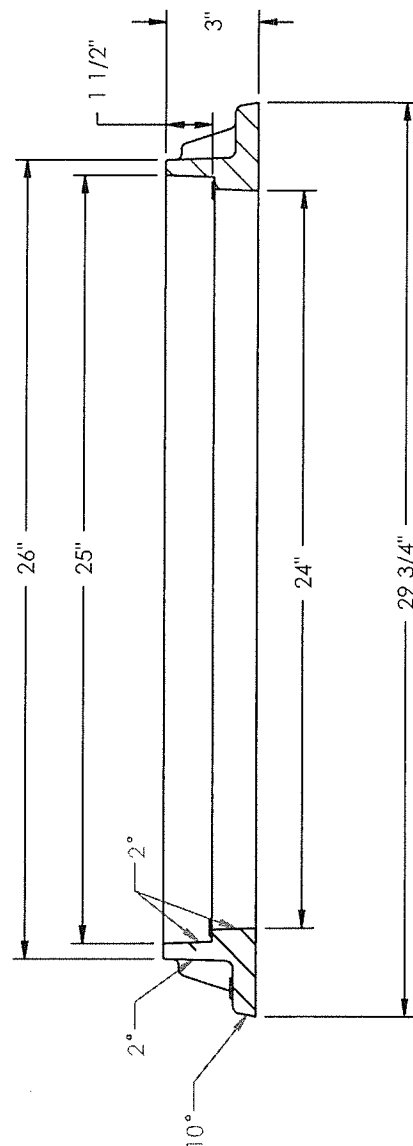
LAST REVISED

DATE

6/29/2009



SECTION A-A



SECTION B-B

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EJIW EAST JORDAN
IRON WORKS EST. 1883
800-626-4653
www.ejiw.com

MADE IN USA
PRODUCT NUMBER
00801321

CATALOG NUMBER
8013A

**MANHOLE
COVER**

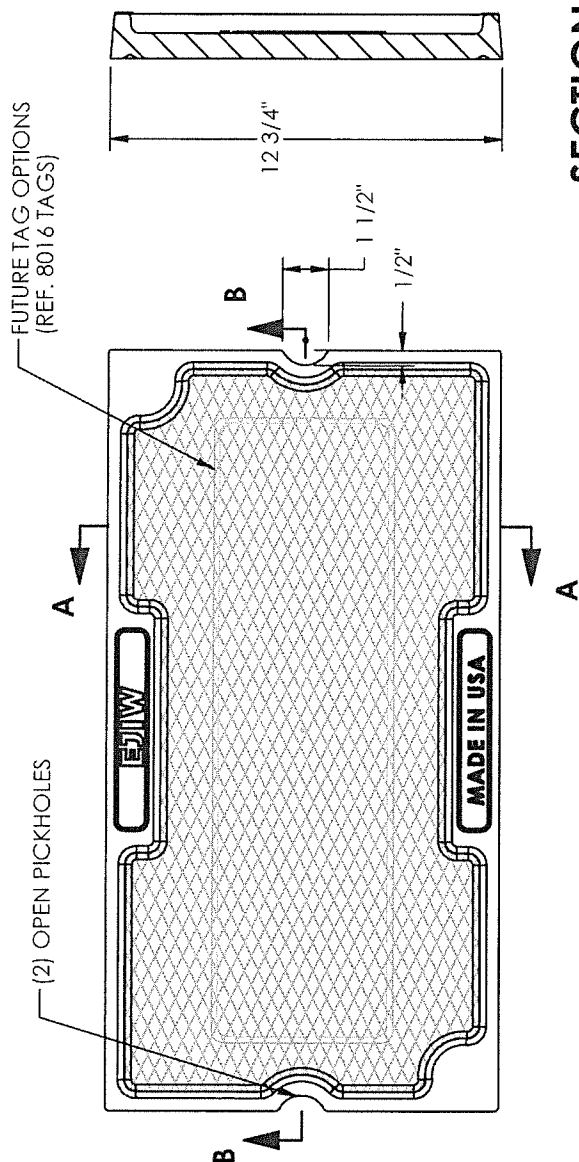
LOAD RATING
HEAVY DUTY

COATING
UNDIPPED

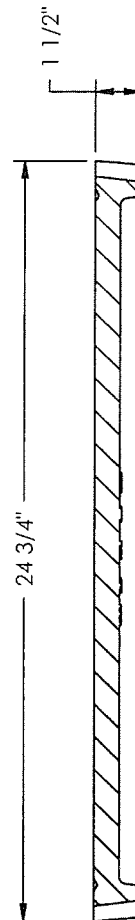
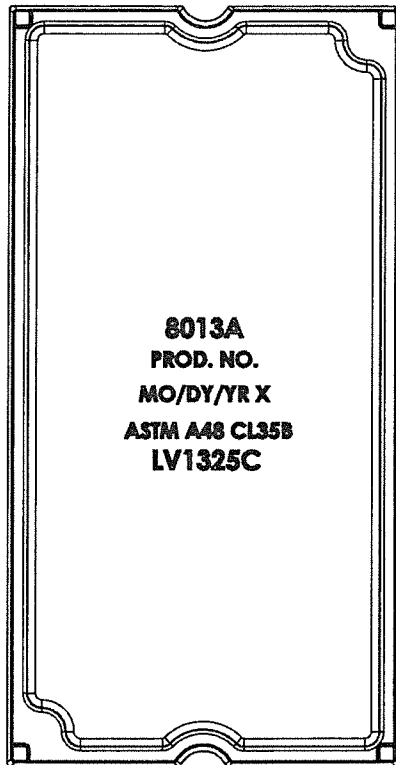
SPECIFICATION
COVER - GRAY IRON
ASTM A48 CL35B

OPEN AREA
N/A

✓ DESIGNATES MACHINED SURFACE	
DRAWN SBB	DATE 05/28/08
LAST REVISED SBB	DATE 04/13/09



SECTION A-A



SECTION B-B

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ENVYLAWN BERMUDA PRO | ELBP | DURALOCK PU

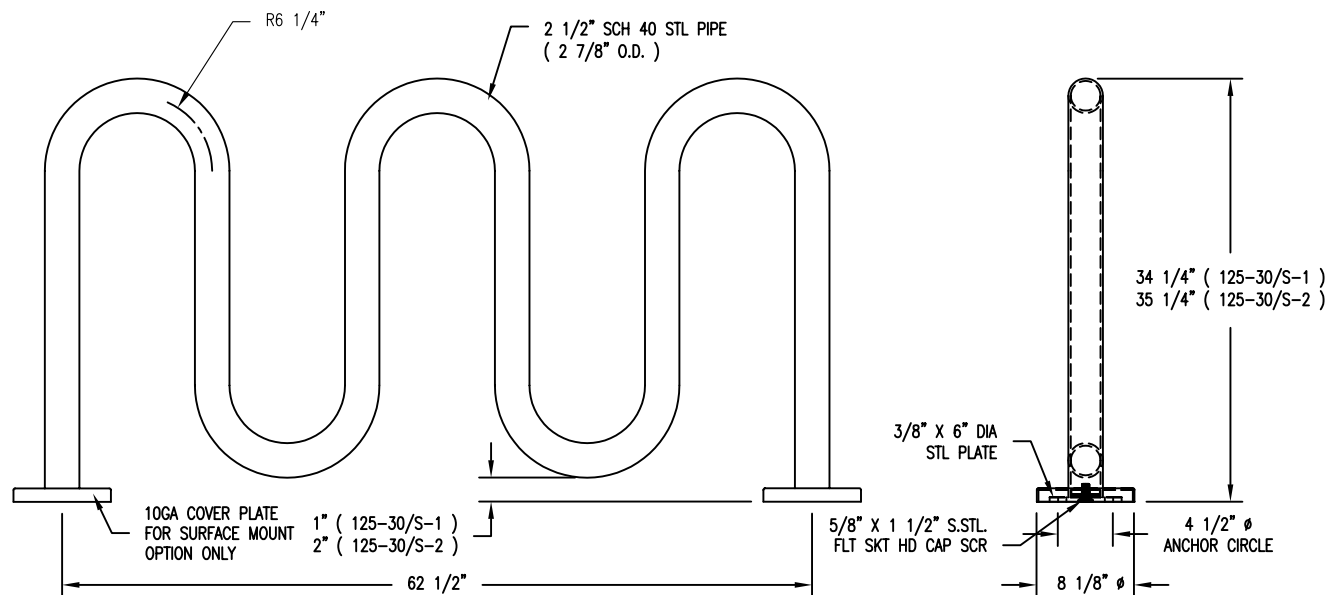
PROPERTY	IMPERIAL UNITS	DESCRIPTION
Fiber Type		100% Polyethylene
Fiber Mass	10800 denier 5000 denier	Omega/HS TXT PP/PE Thatch Green/Tan Thatch
Tufted Pile Height*	1.625 in	
Finished Face Weight*	60.0 oz/yd ²	
Tufting Gauge	3/8	
Primary Backing	7.5 oz/yd ²	K29 stabilized multi-layered woven polypropylene
Secondary Backing	20.0 oz/yd ²	DuraLock PU with perforations
Total Weight*	87.5 oz/yd ²	
Tufted Roll Width*	15 ft	
Standard Color(s)		Summer Blend
Infill Recommended		Yes, 2-4 lbs per sq ft

*Manufacturing specifications are subject to a variance of +/- 5% for Face Weights and +/- .125" for Pile Heights. Challenger Turf, Inc. is not responsible for typing errors on specifications listed above.

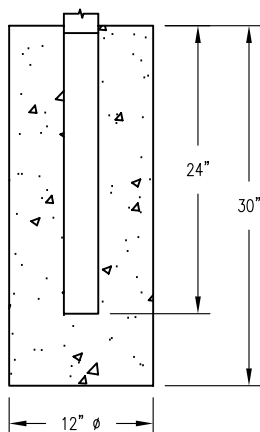
ADDITIONAL INFORMATION

This product was designed and engineered for landscape applications.





* ☐ S-2 SURFACE MOUNT *
(SEE NOTES)



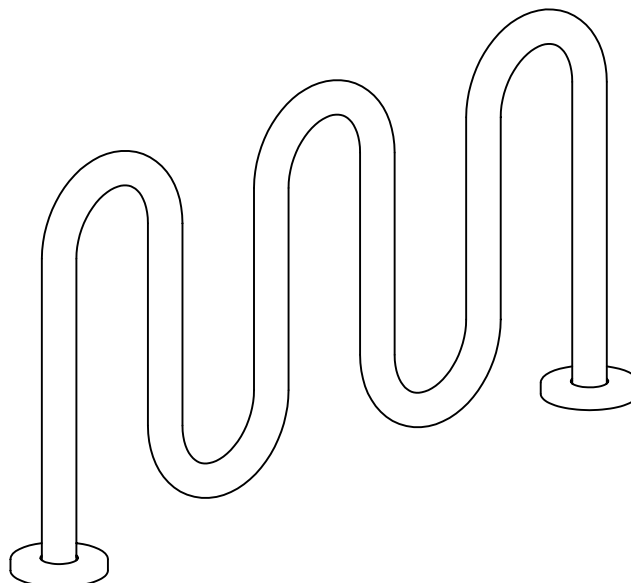
☒ S-1 EMBEDMENT

FINISH OPTIONS

- ☐ HOT DIPPED GALVANIZED (VISIBLE VENT HOLES)
- ☐ COATED W/ ZINC RICH EPOXY THEN FINISHED W/ POLYESTER POWDER COATING.

NOTES:

- 1.) $1 \frac{1}{2}" \times 3 \frac{3}{4}"$ EXPANSION ANCHOR BOLTS PROVIDED FOR OPTION S-2.
 - 2.) PLUGS PROVIDED FOR VISIBLE VENT HOLES. (HOT DIPPED GALV. ONLY)
- * UPCHARGE APPLIES TO SUPPORT OPTION - CONSULT YOUR LOCAL REPRESENTATIVE.



DuMor, inc.
P.O. Box 142 Mifflintown, PA 17059-0142

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DATE DRAWN : 2/12/99
DRAWN BY : CDC
DATE REV. : 02/24/12
REV. BY : ESS

TITLE :

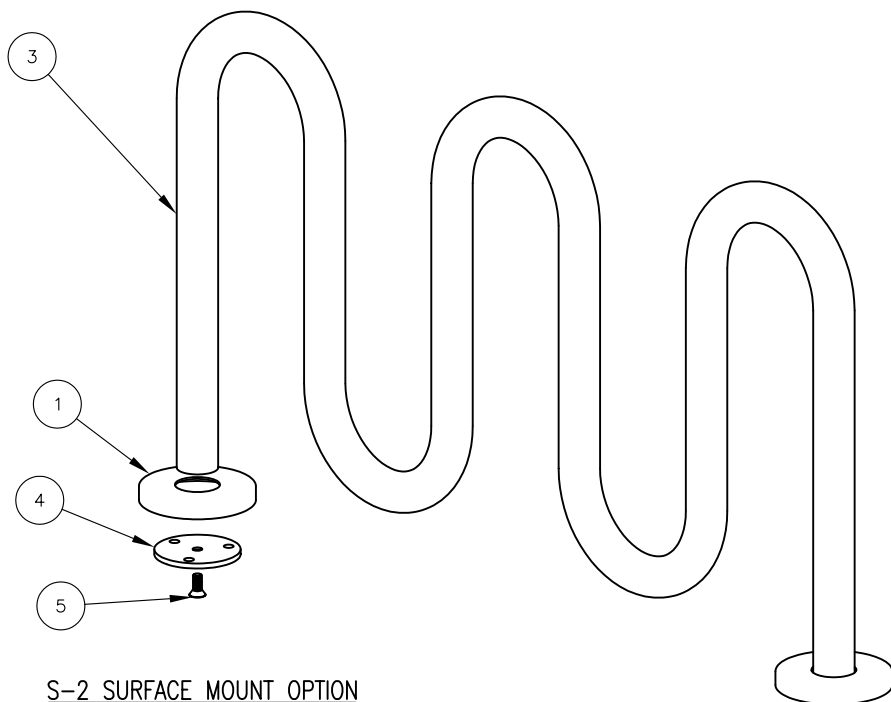
BIKE RACK

REV.
F

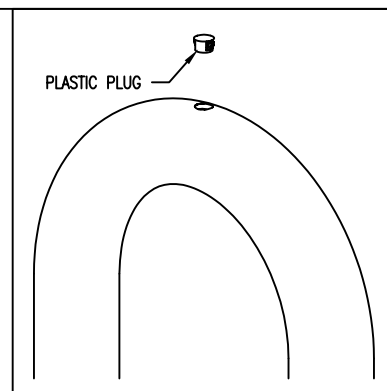
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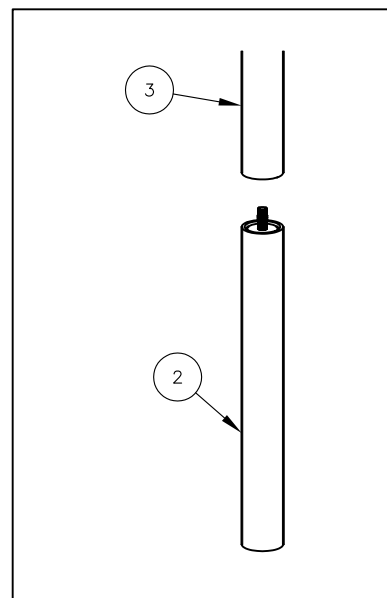
SHEET
1 OF 2



S-2 SURFACE MOUNT OPTION



HOT-DIPPED GALV. BIKE RACK ONLY



S-1 EMBEDMENT OPTION

INSTALLATION FOR SURFACE MOUNT

STEP 1:

- USE 1 - PC. BIKE LOOP, SURFACE MOUNT (3)
 - 2 - PCS. 3/8" THK SURFACE MOUNT PLATE (4)
 - 2 - PCS. 10 GA X 8" DIA ANCHOR PLATE COVER (1)
 - 2 - PCS. 5/8" X 1 1/2" SS FLT SKT HD CAP SCREW (5)
- SLIDE 10 GA X 8" DIA ANCHOR COVER (1) OVER BIKE LOOP, SURFACE MOUNT (3) LEGS. ATTACH 3/8" THK. SURFACE MOUNT PLATE (4) TO BIKE LOOP, SURFACE MOUNT (3) USING HARDWARE (5).

STEP 2:

ANCHOR ACCORDINGLY.

INSTALLATION FOR PLASTIC PLUG HOT-DIPPED GALV ONLY

INSERT PLASTIC PLUG INTO HOLE ON TOP OF EACH LOOP

(S-2 OPTION)

(S-1 OPTION)

(S-2 OPTION)

(S-2 OPTION)

ITEM	QTY	PART NO	DESCRIPTION
1	2	0-125-04	10 GA X 8" DIA STL COVER W/ 3 1/8" DIA HOLE
2	2	0-125-09/S-1	EMBEDMENT EXTENSION
3	1	0-125-30/S-2	3-PEAK LOOP BIKE RACK
4	2	0-83-00-03	3/8" THK SURFACE MOUNT PLATE
5	2	1-12-102	5/8" X 1 1/2" SS FLT SKT HD CAP SCR

DuMor, inc.
P.O. Box 142 Mifflintown, PA 17059-0142

SCALE : NONE
DATE DRAWN : 2/12/99
DRAWN BY : CDC
DATE REV. : 02/24/12
REV. BY : ESS

TITLE : BIKE RACK ASSEMBLY

REV.
E

DRAWING
NUMBER

125-30

SHEET
2 OF 2