



LETTER OF TRANSMITTAL

DATE: 07/15/2025

TO: Manuel Maldonado

ATTENTION: Manuel Maldonado

Architect / Principal
Ordiz-Melby Architects
5500 Ming Ave. Unit 280, Bakersfield CA. 93309

RE: Sewer Manhole

JOB NO: 2037

WE ARE SENDING YOU:

- | | | | |
|--|---------------------------------------|--------------------------------|--|
| <input checked="" type="checkbox"/> Attached | <input type="checkbox"/> Mailed | <input type="checkbox"/> Faxed | <input type="checkbox"/> Hand Delivered |
| <input type="checkbox"/> Shop Drawings | <input type="checkbox"/> Prints | <input type="checkbox"/> Plans | <input type="checkbox"/> Samples |
| <input type="checkbox"/> Copy of Letter | <input type="checkbox"/> Change Order | <input type="checkbox"/> Other | <input checked="" type="checkbox"/> Specifications |

COPIES	DATE	NO.	DESCRIPTION
1	7/15/2025	5	Sewer Mahole

THESE ARE TRANSMITTED as checked below:

- | | |
|--|---|
| <input checked="" type="checkbox"/> For Approval & Execution | <input type="checkbox"/> Approved as Submitted |
| <input type="checkbox"/> For Your Use | <input type="checkbox"/> Approved as Noted |
| <input type="checkbox"/> As Requested | <input type="checkbox"/> Returned for Corrections |
| <input type="checkbox"/> For Review & Comment | <input type="checkbox"/> Other: _____ |
| <input type="checkbox"/> FOR BIDS DUE: _____ | |

Afinar

Civil Engineers / Surveyors / Planners / Construction Managers
214 Bernard Street, Bakersfield, CA 93305
Phone (661) 716-7443

No Exceptions Taken	<input checked="" type="checkbox"/>	Make Correction Noted	<input type="checkbox"/>
Rejected	<input type="checkbox"/>	Revise and Resubmit	<input type="checkbox"/>
No Action Required	<input type="checkbox"/>	Intermediate Submittal Required	<input type="checkbox"/>

Checking is only for general conformance with the design concept of the project and general compliance with the information given in the Contract Documents. Any action shown is subject to requirements of the plans and specifications. Contractor is responsible for dimensions which shall be confirmed and correlated at the jobsite: fabrication, process and techniques of construction: coordination with all other trades and satisfactory performance of their work. See attached Submittal Checklist for comments.

REMARKS: _____

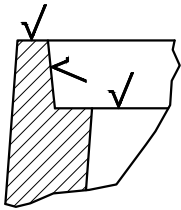
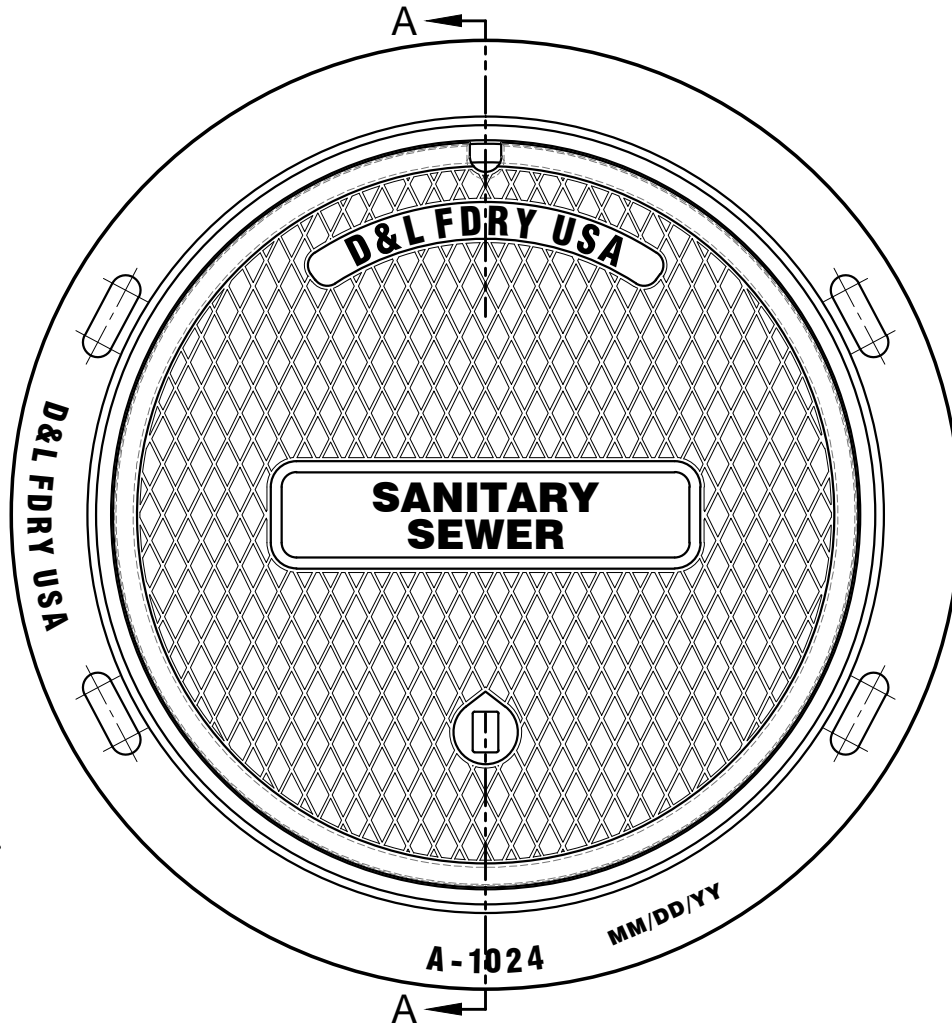
X

BOS

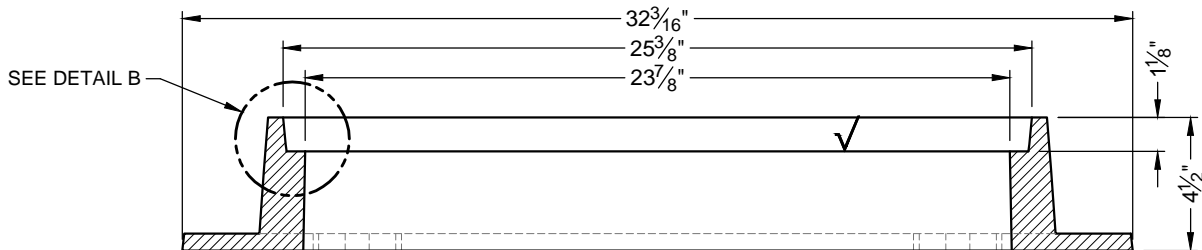
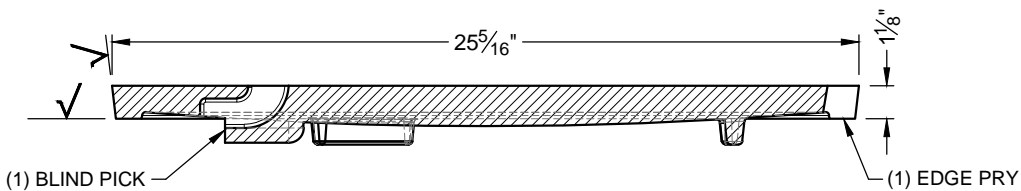
8-4-25

COPY TO: _____ SIGNED: Jesse Baeza, Project Manager
Your Name, Title

A-1024



DETAIL B



SECTION A-A
VIEW IS ROTATED

MADE IN USA

CONFIDENTIALITY STATEMENT

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√= INDICATES MACHINED SURFACE

DRAWN BY: CDILLEY

DATE: 6/11/2015

PRODUCT NUMBER:

MATERIAL TYPE:

COVER: A-1024-01

GRAY IRON: ASTM A-48 CL 35B

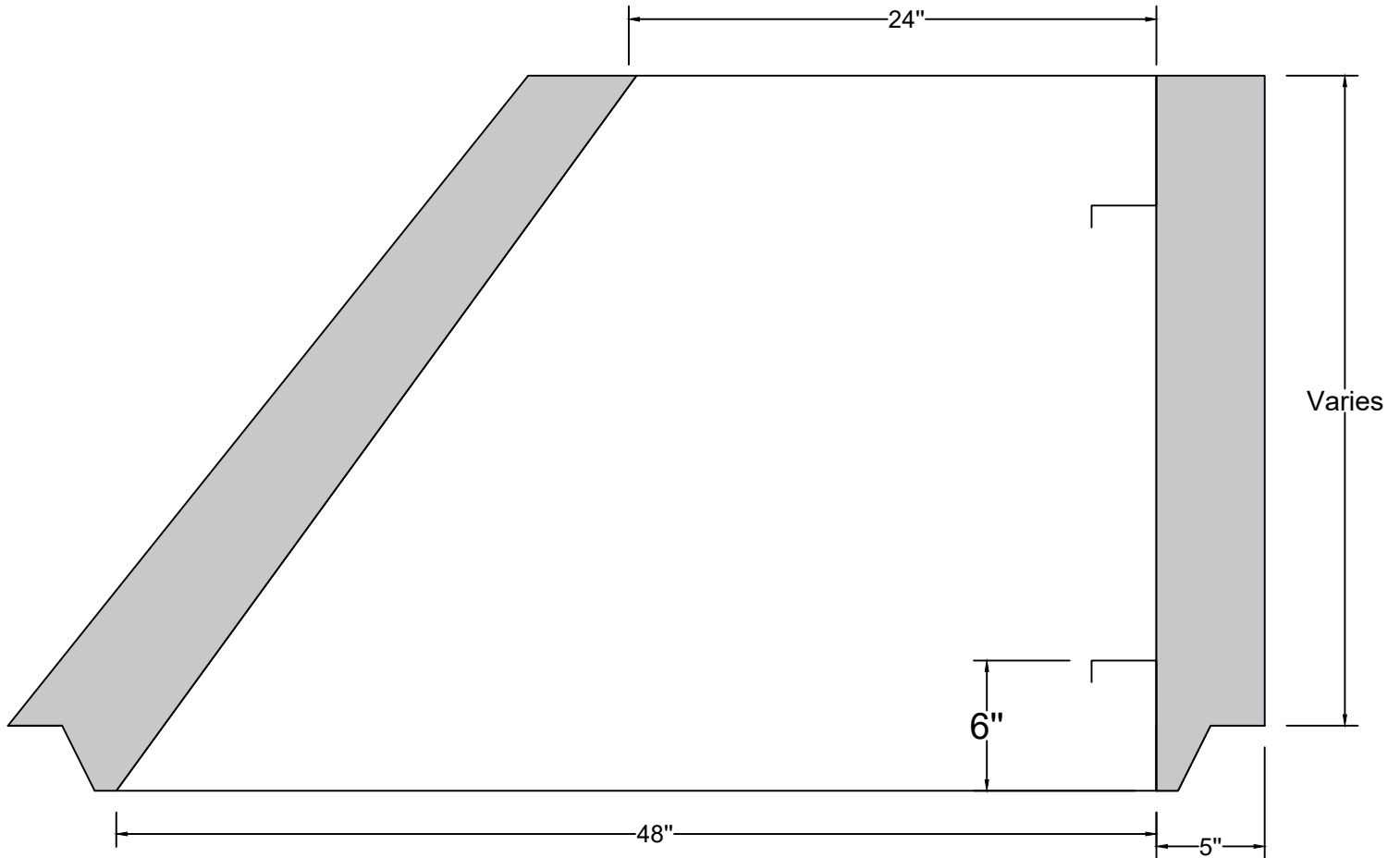
RING: A-1024-R2

GRAY IRON: ASTM A-48 CL 35B

MEETS:

H2O WHEEL LOADING

B:_D&L SUPPLY CO_\WA-1024A-1024-R2_A-1024-01.DWG

Eccentric Cones Sizes

Model No.	Height	Weight
30ECC	30"	1720lbs
36ECC	36"	2065lbs

NOTES:

1. Conforms to ASTM C478.
2. Concrete Strength: 4000 PSI @ 28 days.
3. Weights are +/- 200lbs
4. All measurements are in inches.

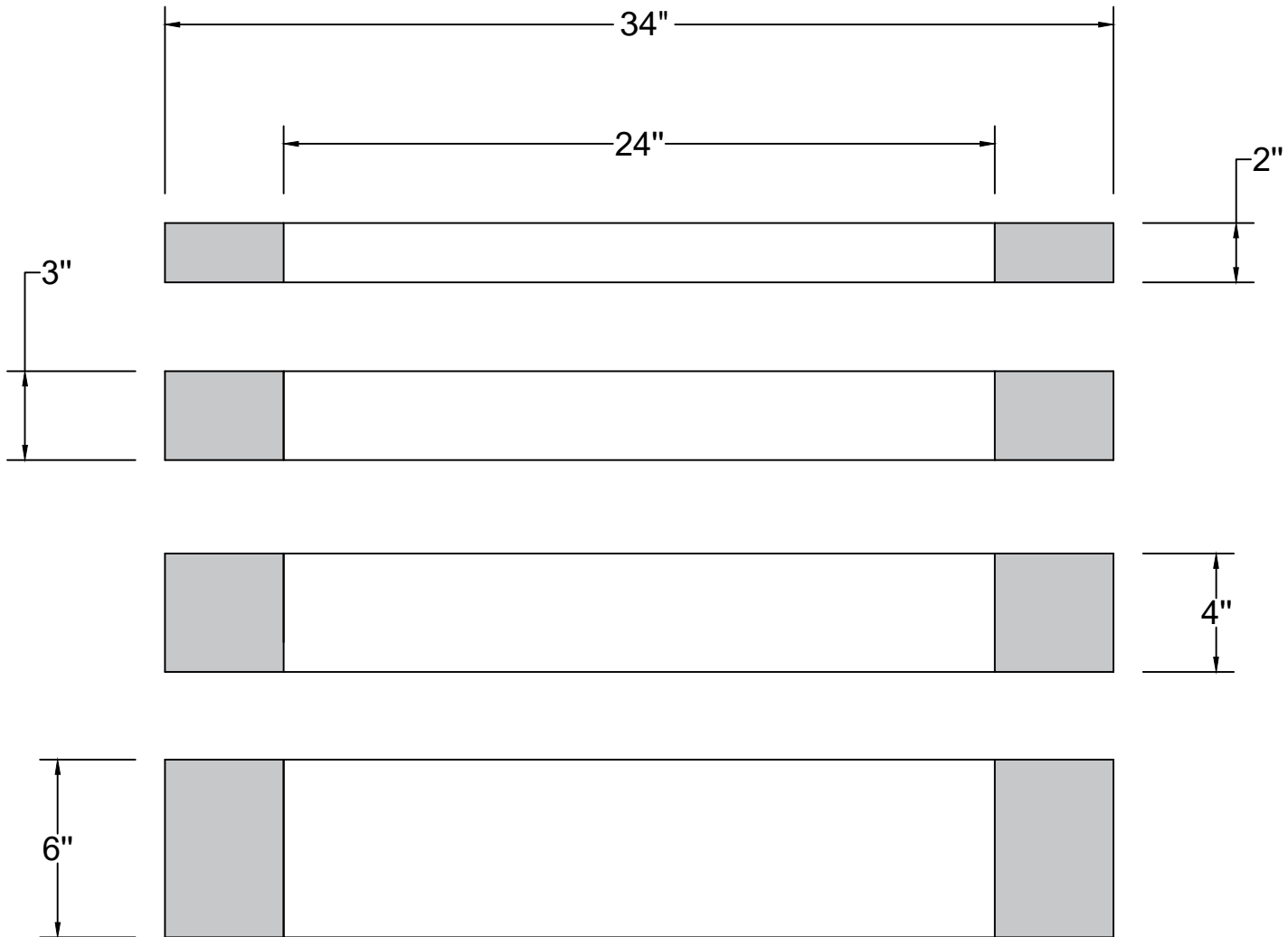
MODEL NUMBER: Varies**WEIGHT: Varies**

* for more information, please contact Code Precast. Design subject to change.

PHONE: 661-746-0466

www.codeprecast.com

Grade Rings manufactured in
Shafter, California



Grade rings:

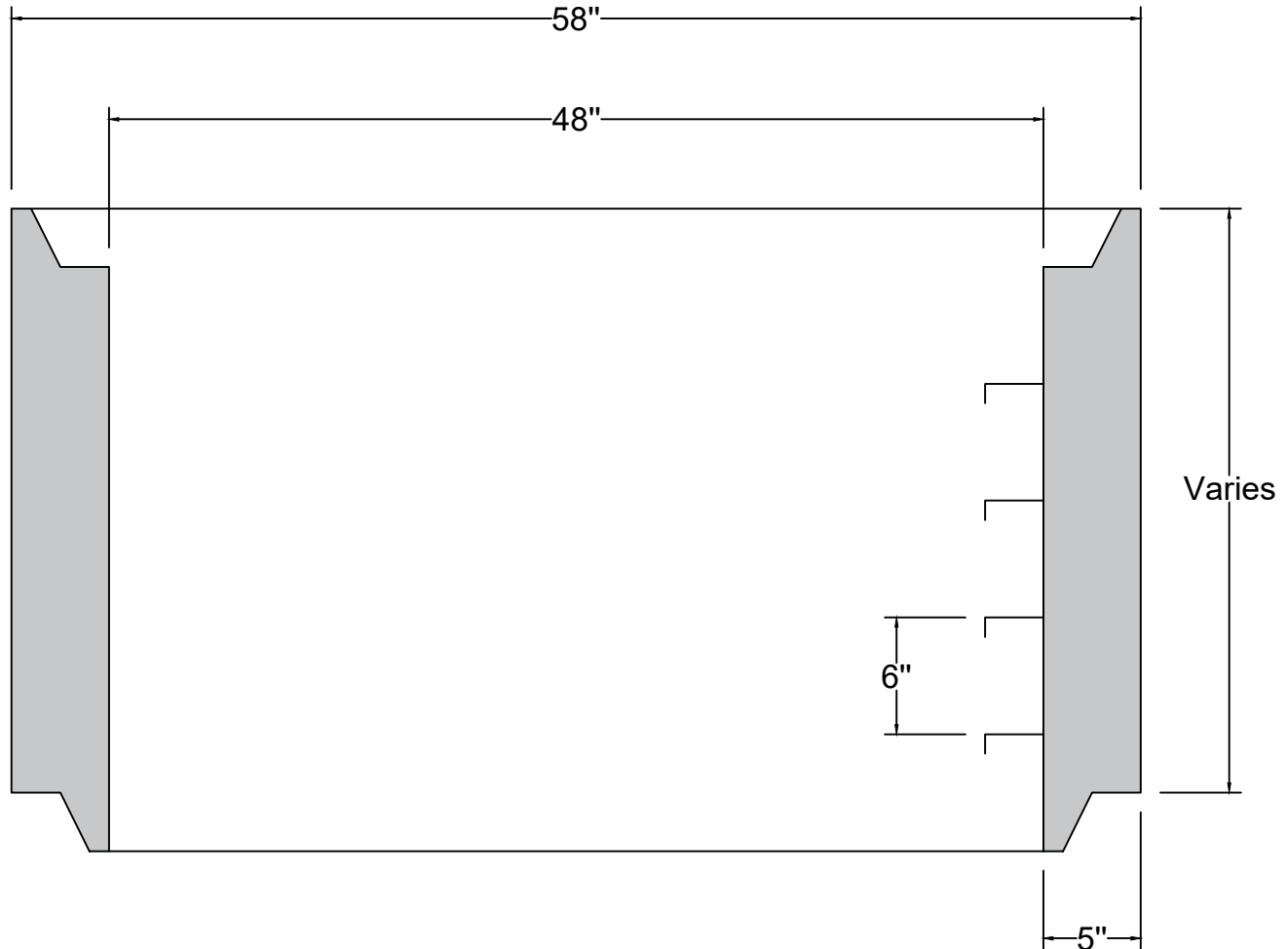
Model No.	Ht	Wt
2GR	2"	80lbs
3GR	3"	120lbs
4GR	4"	160lbs
6GR	6"	240lbs

NOTES:

1. Conforms to ASTM C478.
2. Weights are ± 20 lbs
3. All measurements are in inches.

MODEL NUMBER: Grade Rings
WEIGHT: Differs

* for more information, please contact Code Precast. Design subject to change.



Manhole Shaft Sizes

Model No.	Height	Weight
1200SMHS	12"	1000lbs
2400SMHS	24"	2400lbs
3600SMHS	36"	3600lbs
4800SMHS	48"	4800lbs

NOTES:

1. Conforms to ASTM C478.
2. Concrete Strength: 4000 PSI @ 28 days.
- ~~3. Lane International lift pins used. See attached document.~~
4. Galvanized lifting anchors embedded. See attached document.
6. Polypropylene steps available. Installed by customer.

MODEL NUMBER: Varies

WEIGHT: Varies

* for more information, please contact Code Precast. Design subject to change.

Butyl Rubber Sealant for All Precast Concrete Structures - Meets ASTM C990

Applications

For concrete joints in: Manholes, Concrete Pipe, Vaults, Box Culverts, Septic Tanks, and Vertical Panel Structures. **Not intended for use in expansion joints or joints that move.**



Sealing Properties

- Provides permanently flexible watertight joints.
- Low to high temperature workability: 30°F to 120°F (-1°C to +49°C)
- Rugged service temperature: -30°F to +200°F (-34°C to +93°C)
- Excellent chemical and mechanical adhesion to clean dry surfaces.
- Greater cohesive and adhesive strengths.
- Sealed joints will not shrink, harden or oxidize upon aging.
- Controlled flow resistance for application ease.
- ConSeal CS-102 meets the hydrostatic performance requirement as set forth in ASTM C990 section 10.1.
(Performance requirement: 10psi for 10 minutes in straight alignment – in plant, quality control test for joint materials.)
- ConSeal CS-102 meets or exceeds all of the requirements of Federal Specification SS-S-210 (210-A), and AASHTO M-198B.
- No priming normally necessary. When confronted with difficult installation conditions, such as wet concrete or temperatures below 40°F (4°C), priming the concrete will improve the bonding action. Consult Concrete Sealants for the proper primer to meet your application.

Physical Properties & Chemical Composition

Description	Spec	Required	CS-102
Color			Black
Specific Gravity, 77°F (25°C)	ASTM D71	1.15-1.50	1.25
Ductility, 77°F (25°C)	ASTM D113	5.0 min.	10
Penetration, cone 77°F (25°C), 150 gm, 5 sec.	ASTM D217	55-100 dmm	55-60 dmm
Flash Point, C.O.C., °F	ASTM D92	350°F min.	375°F
Fire Point, C.O.C., °F	ASTM D92	375°F min.	475°F
Hydrocarbon plastic content, % by weight	ASTM D297	50% min.	51%
Inert material filler, % by weight	AASHTO T111	30% min.	35%
Volatile Mater, % by weight	ASTM D6	3% max.	1.2%

Immersion Testing

30-Day Immersion Testing: No visible deterioration when tested in 5% Caustic Potash, 5% Hydrochloric Acid, 5% Sulfuric Acid, and 5% saturated Hydrogen Sulfide.

One Year Immersion Testing: No visible deterioration when tested in 5% Formaldehyde, 5% Formic Acid, 5% Sulfuric Acid, 5% Hydrochloric Acid, 5% Sodium Hydroxide, 5% Hydrogen Sulfide, and 5% Potassium Hydroxide.

Installation Guidelines

The following procedures should be followed for optimum sealant performance.

- Clean the upper and lower joint surface with a stiff bristle brush.
- Remove any dirt, debris, flashing, or concrete high points, which could keep the joint from coming together.
- If necessary, a joint primer can be applied to improve sealant adhesion. Allow the primer to dry before placing sealant.
- DO NOT PLACE ANY JOINTS WITHIN 12" OF A CORNER.
- Join the sealant into one continuous strand by kneading the ends together where they meet. **Do not stretch the sealant.**
- A **minimum** compression of 50% is required. Greater than 50% compression is optimal. It may take 15-20 minutes for the sealant to fully compress depending on the ambient temperature and the weight being applied.

Reference Installation Instructions for **"Butyl Sealing Tapes"** for more detailed instructions.

Limited Warranty

This information is presented in good faith, but we cannot anticipate all conditions under which this information and our products, or the products of other manufactures in combination with our products, may be used. We accept no responsibility for results obtained by the application of this information or the safety and suitability of our products, either alone or in combination with other products. Users are advised to make their own tests to determine the safety and suitability of each such product or product combinations for their own purposes. It is the **users' responsibility** to satisfy himself as to the suitability and completeness of such information for this own particular use. We sell this product without warranty, and buyers and users assume all responsibility and liability for loss or damage arising from the handling and use of this product, whether used alone or in combination with other products.

M.A. Industries

PRESS FIT STEP

INSTALLATION INSTRUCTIONS

Tools To Make The Job Simple

Press Fit Cam Pin

Requires a one time welding of bushing flush with concrete side of inner form. Simply insert cam pin (coated with form oil) and lock into place for each casting. To remove cam pin, unlock and strike with sledge hammer. Keep cam pin clean and free of concrete to insure accurate molding of hole. Concrete should be cured to develop a minimum compressive strength of 3000 psi before installing step.

Drilling

For installing steps in new or old concrete, use a heavy duty drill to drill two parallel holes for the following steps...

PS1-PF	1" hole	10" on center	3-3/4" deep
PS2-PF	1" hole	13" on center	3-3/4" deep
PS2-PFS	1" hole	13" on center	3-3/4" deep
PS2-PFSL	1-1/4" hole	13" on center	3-1/2" deep
PS5-PF	1" hole	11" on center	3-3/4" deep
PS3-PFC	1" hole	16" on center	3-3/4" deep

Installation as quick as 1-2-3

A sledge hammer is all you need to install the M.A. "Press Fit" manhole step. Drive the step in a minimum 3 inches... no grout... that's all... and best of all the step will last as long as the manhole you install it in. With good forming and installation practices, the step will resist pullout forces in excess of ASTM standards. The M.A. manhole step is the first step engineered to completely encapsulate a 1/2" steel rod with tough copolypropylene.

For extra profits and customer satisfaction, practice these simple rules.

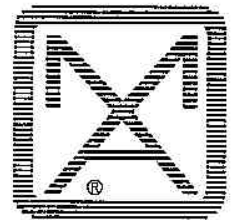
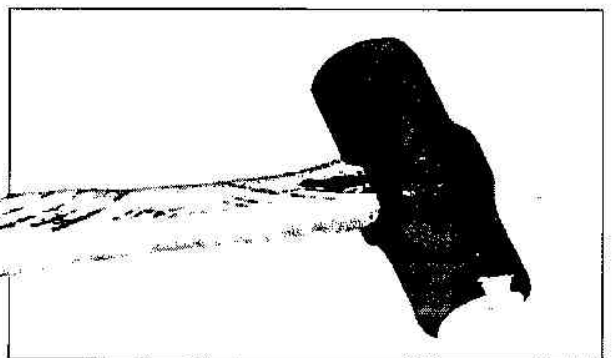
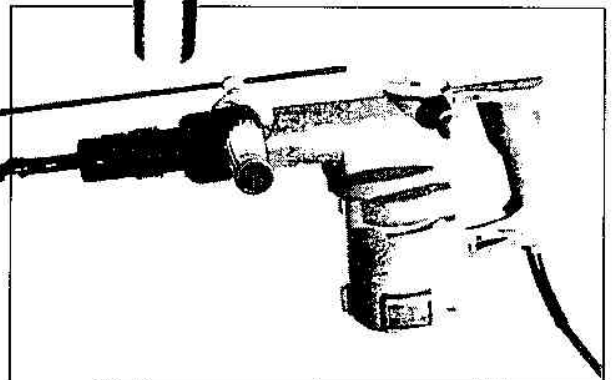
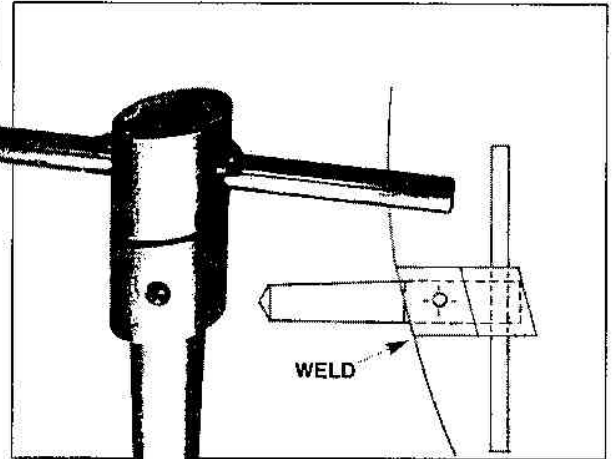
1. Form proper size holes
2. Have concrete cured to a min. strength of 3000 PSI
3. Drive step to full depth, a minimum 3 inches.
4. Use form lubricants only.

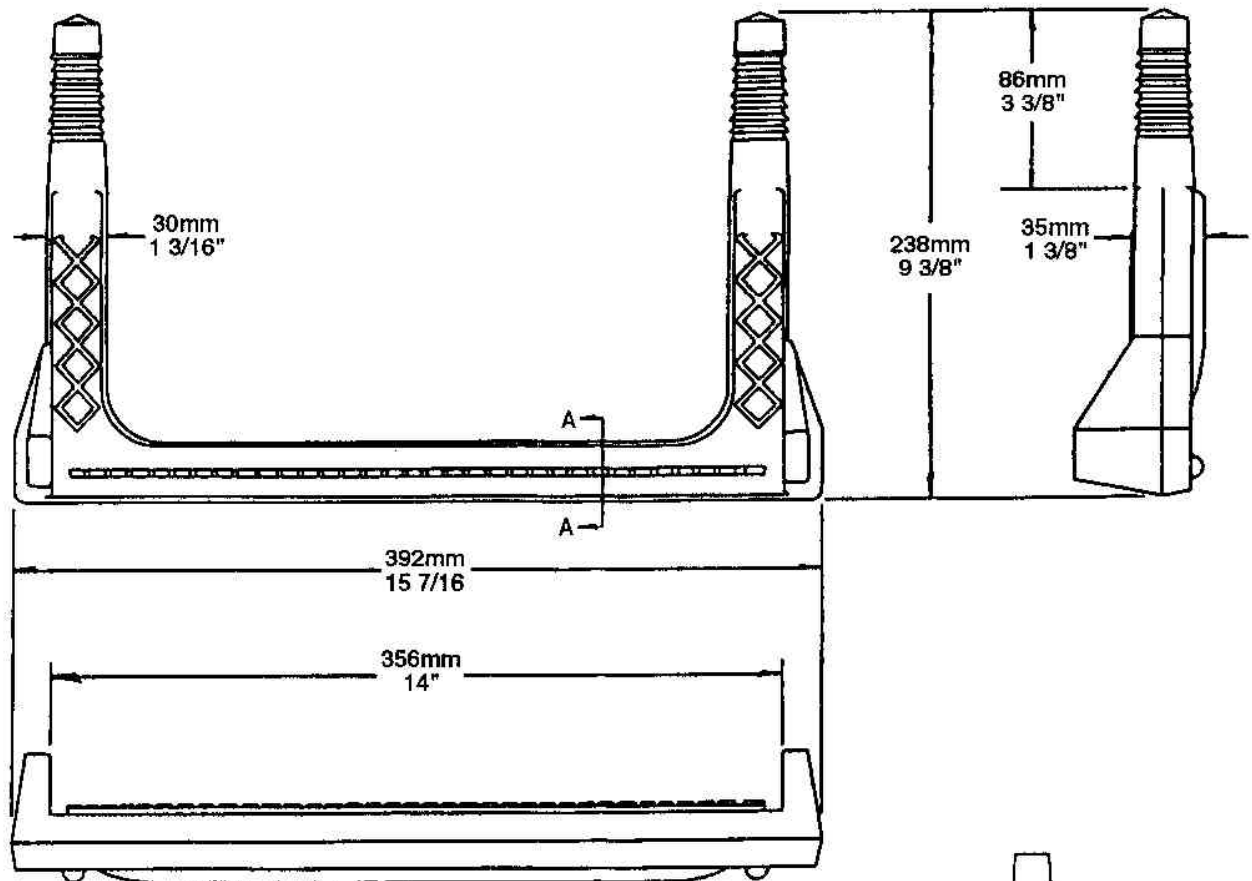
CAUTION: DO NOT USE GREASE.

For more information, please call our Customer Service Department at 1-800-241-8250.

M.A. INDUSTRIES, INC.

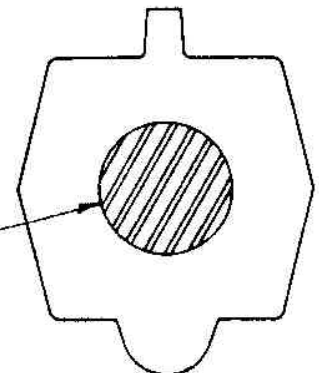
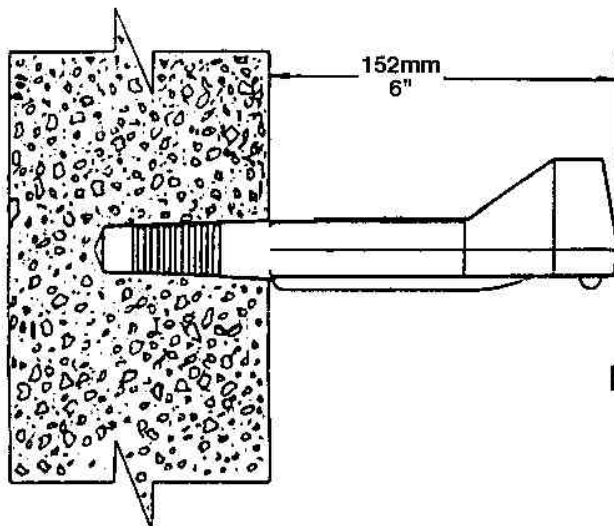
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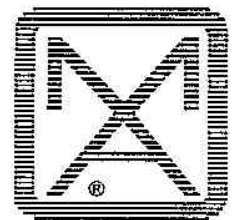
Copolymer Polypropylene Plastic

13mm
1/2" GRADE 60 STEEL REINFORCEMENT



SECTION-A

MEETS: ASTM-C-478
ASTM-D-4101
ASTM-A-615
AASHTO-M-199



M.A. INDUSTRIES, INC.

PO Box 2322, 303 Dividend Dr. • Peachtree City, GA 30269 • Phone: (770) 487-7761 • Molding Sales Fax: (770) 487-1482 • Corporate Fax: (770) 631-4679