

BID ADVERTISEMENT FOR THE WEEKS OF

June 26, 2024 & July 3, 2024

BID OPENS - WEDNESDAY JULY 17, 2024

FILE NO. 75-24 2024 Casting (DPU)

FOR THE DIVISION OF CLEVELAND PUBLIC POWER FOR THE DEPARTMENT OF PUBLIC UTILITIES AS AUTHORIZED BY ORDINANCE 1630-92, (SEC) 129.25, 129.26-129.27. PASSED BY COUNCIL SEPTEMBER 21, 1992.

There will be a NON-MANDATORY Pre-Bid Meeting, Tuesday, July 9, 2024 at 10:30 am., Via WebEx, to call into meeting dial 1-415-655-0003, Access Code 2314 908 5417.

Note: Bid must be delivered to the Office of the Commissioner of Purchases and Supplies, Cleveland City Hall, 601 Lakeside Avenue, Room 128, Cleveland, Ohio 44114 before 12 o'clock noon (Eastern Time).



**CITY OF CLEVELAND,
OHIO**

DEPARTMENT OF FINANCE



DIVISION OF PURCHASES AND SUPPLIES

INVITATION TO BID

INVITATION TO BID AND FORMAL BID PACKAGE
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CITY OF CLEVELAND
Department of Finance
Division of Purchases and Supplies
City Hall, Room 128
Cleveland, Ohio 44114
216-664-2620

AUTHORIZING ORDINANCE AS PUBLISHED IN THE CITY RECORD

Ord. No. 1630-92.

By Councilmen Brady, Patton and
Rokakis (by departmental request).

An emergency ordinance to supplement the Codified Ordinances of Cleveland, Ohio, 1976, by enacting new Sections 129.24, 129.25, 129.26 and 129.27 thereof, relating to the purchase of water treatment chemicals, maintenance equipment, and poles, wires and other equipment by the Director of Public Utilities.

Whereas, this ordinance constitutes an emergency measure providing for the usual daily operation of a municipal department; now, therefore,

Be it ordained by the Council of the City of Cleveland:

Section 1. That the Codified Ordinances of Cleveland, Ohio, 1976, are hereby supplemented by enacting new Sections 129.24, 129.25, 129.26, and 129.27 thereof to read, respectively, as follows:

Section 129.24 Purchase of Water Treatment Chemicals

The Director of Public Utilities is authorized to enter into one or more standard purchase or requirement contracts duly let to the lowest and best bidder after competitive bidding for water treatment chemicals deemed by the Director of Public Utilities to be necessary to the operations of the Division of Water, including, but not limited to, alum polymer coagulant, high calcium quicklime, aluminum sulfate, chlorine, sodium silicofluoride, hydrofluorosilicic acid, and corrosion inhibitors. Any purchase made pursuant to this section shall be made by the Commissioner of the Division of Purchases and Supplies and paid from the annual appropriations made for such purpose.

Section 129.25 Purchase of Water System Maintenance Equipment

The Director of Public Utilities is authorized to enter into one or more standard purchase or requirement contracts duly let to the lowest and best bidder after competitive bidding for Water system maintenance equipment deemed by the Director of Public Utilities to be necessary to the operations of the Division of Water, including, but not limited to: meters and meter parts; manhole covers, rings, and manholes; ductile iron pipe and fittings; copper pipe and tubing; parts for pumps, engines and saws; service fittings and pipe couplings; lining cement, mortar cement and sand; valves, valve boxes, and appurtenances; bypass piping, fittings and valves; fire hydrants and fire hydrant parts; pipe repair clamps; and stop cock boxes. Any purchase made pursuant to this section shall be made by the Commissioner of Purchases and Supplies and paid from the annual appropriations made for such purpose.

Section 129.26 Purchase of Poles, Wire, Transformers, and Other Equipment

The Director of Public Utilities is authorized to enter into one or more standard purchase or requirement contracts duly let to the lowest and best bidder after competitive bidding for Utility poles and crossarms, cable and wire, transformers, high voltage switching equipment, meters and metering equipment, streetlighting materials, manholes, rings and covers, all as deemed by the Director of Public Utilities to be necessary to the operations of the Division of Cleveland Public Power. Any purchase made pursuant to this section shall be made by the Commissioner of Purchases and Supplies and paid from the annual appropriations made for such purpose.

Section 129.27 Purchase of Water Pollution Control System Maintenance Equipment

The Director of Public Utilities is authorized to enter into one or more standard purchase or requirement contracts duly let to the lowest and best bidder after competitive bidding for Water Pollution Control system maintenance equipment, including, but not limited to, catch basins, spacers, manhole covers, vitrified clay pipe, and equipment for sewer cleaning. Any purchase made pursuant to this section shall be made by the Commissioner of Purchases and Supplies and paid from the annual appropriations made for such purpose.

Section 2. That this ordinance is hereby declared to be an emergency measure and, provided it receives the affirmative vote of two-thirds of all the members elected to Council, it shall take effect and be in force immediately upon its passage and approval by the Mayor, otherwise it shall take effect and be in force from and after the earliest period allowed by law.

Passed September 21, 1992.

Effective September 25, 1992.

City of Cleveland

DEPARTMENT OF FINANCE
AHMED A. ABONAMAH
DIRECTOR



DIVISION OF PURCHASES AND SUPPLIES
TIFFANY JOHNSON
COMMISSIONER

BIDDER'S CHECK LIST

The City of Cleveland requires that each bid submitted must comply with certain legal requirements to be considered a valid and formal bid. The checklist below is provided to assist in avoiding rejection of your bid due to omission of required information or forms.

CHECK WHEN COMPLETED

A. Bid/Schedule of Items

- 1. Is (are) the bid page(s) completed as required **and** signed in the upper right-hand corner?
- 2. Are all prices (Unit and extension) clearly and accurately presented?
- 3. Is the payment discount given?

B. Bid Bond

- 1. Is the bond made out in the names of and signed by both the principal **and** surety?
- 2. Is the bond amount sufficient for the amount of the bid? **Must be 5% of the amount of the bid.**
- 3. Is there a power of attorney attached to the bond?

C. Bid Check (if submitted in lieu of Bid Bond)

- 1. Is the check in an amount sufficient for the amount of the bid? **Must be 5% of the amount of the bid.**
- 2. Is the check either properly certified or a cashier's check?
- 3. Is the Check made payable to: THE CITY OF CLEVELAND?

D. Bid Form (not to be confused with the Bid Bond)

- 1. Is all the required information given?
- 2. Is the form signed?

E. Affidavit

- 1. Does the affidavit contain all the information required ON BOTH SIDES?
- 2. Is it properly Signed? Is it properly notarized by a Notary Public?

F. Contract Compliance Certifications

- 1. Did you read Item 13, the Equal Opportunity Clause, carefully, and understand it? If not, contact the Office of the Director of Equal Opportunity for further information (Phone 216/664-4152).
- 2. Did you read Item 14, the OEO Notice to Bidders, carefully, and understand it? If not, contact the Office of the Director of Equal Opportunity for further information (Phone 216/664-4152).
- 3. Did you complete OEO Schedules 1, 2, and 4 carefully and completely? Did you include signed Schedule 3's from all certified subcontractors?
- 4. If you are a Cleveland Area Small Business, minority business enterprise, or female business enterprise, did you include a copy of your own certificate?

G. Bid Envelope

- 1. Is the envelope identified with the correct title of the bid and the due date?
- 2. Is the envelope securely sealed?

H. Performance Bond

- 1. Will you be able to furnish the Performance Bond if one is required in paragraph A-5a of INSTRUCTIONS TO BIDDERS, in paragraph B-8 of General Conditions?
- 2. Notice: A certified or cashier's check is **not acceptable in lieu of a Performance Bond!**

I. Federal Tax ID Form (W-9)

- 1. Is all the required information given?
- 2. Is the form signed?

J. Northern Ireland Fair Employment Practices Disclosure

- 1. Is all the required information given?
- 2. Is the form signed?

K. Please contact the Division of Purchases and Supplies at 216-664-2620 if you have additional questions on how to complete this bid form.

INSTRUCTIONS TO BIDDERS

A-1 INVITATION TO BID

Sealed bids endorsed as designated in the "Title of Bid" section of the bid sheet(s) will be received at the Office of the Commissioner of Purchases and Supplies, Room 128, Cleveland City Hall, Cleveland, Ohio 44114, until 12:00 o'clock noon, official time, on the date indicated in the "Bid Opening" section of Page 1 of the bid page(s) and thereafter will be publicly opened and read in Room 128.

A-2 FORM OF BID (BID FORM)

- a. Every bid must be made upon the blank form of bid attached hereto.
- b. Each bid must be clearly signed with the full name and address of every person, firm or corporation interested in such bid, followed by the date of such signing, in the space provided at the bottom of the bid form. If more than one person, firm or corporation has an interest in such bid, then the full name and address of each person, firm or corporation must be clearly signed on said bid. If the bidder is a partnership, the firm name and address, as well as the name and address of each individual partner must be given. If the bidder is a corporation, the name of the corporation, the name and title of the officer duly authorize to sign for the corporation, the business address of such officer and the name of the state in which the corporation is incorporated must be given.
- c. The bidder shall insert the amount of the bid bond, certified check or cashier's check in the space provided in the bid form.
- d. The bidder agrees to be bound by his bid from the time the bid is submitted until the earlier of the date stipulated by such bidder or the fourth regular meeting of the Board of Control after the bid submission date unless such time is extended by agreement between the bidder and the Board.

A-3 BIDDERS AFFIDAVIT

Each bidder shall submit with its bid an affidavit stating that neither it nor its agents, nor any other party for it has paid or agreed to pay, directly or indirectly, any person, firm or corporation any money or valuable consideration for assistance in procuring or attempting to procure the contract herein referred to, and further stating that no such money or reward will be hereafter paid. This affidavit must be on the form which is hereto attached.

A-4 BID BOND: CERTIFIED OR CASHIER'S CHECK

Each bid shall be accompanied by a bid bond signed by a surety company authorized to do business in Ohio, or by a cashier's check or certified check on a solvent bank, which bond or check shall be in the sum of five percent (5%) of the amount of the bid, except that with bids for purchase contracts not in excess of Fifty Thousand Dollars (\$50,000). Said bond or check shall be given as security that if the bid is accepted a contract will be entered into and the performance of it properly secured.

A-5 DISPOSITION OF BID BOND, CERTIFIED OR CASHIER'S CHECK

- a. When the bid is accepted, the bid bond, certified or cashier's check will be returned after the contract has been signed and the performance bond, if required, has been submitted to, and approved by, the City.
- b. If the successful bidder fails to enter into a contract, the bid bond, certified or cashier's check shall be forfeited and the principal amount of the bid bond shall be paid to the City, or the check shall be surrendered to the City as the agreed amount of liquidated damages.
- c. The bid bond, certified or cashier's check of the next lowest and best bidder will be retained until the lowest and best bidder has signed and secured the performance of its contract. If such lowest and best bidder fails to do so, the security of the next lowest and best bidder shall continue to be retained until it properly secures the contract awarded it. If such next lowest and best bidder defaults, the principal amount of its bid bond, or check shall also be forfeited to the City as liquidated damages.
- d. When a bid is rejected, the bid bond or check will be released or returned, respectively, to the bidder.

A-6 EXPLANATIONS WRITTEN OR ORAL

Any bidder finding a discrepancy or omission in the specifications or having any doubt as to their meaning, shall immediately notify the Commissioner of Purchases and Supplies, in writing. The Commissioner will respond by sending written notices or instructions to all bidders. The City will not be responsible for any oral instructions.

A-7 PRICE BIDS AND DISCOUNTS

- a. **Unit Prices**
In the Schedule of Items the bidder must give the unit price stated in figures of every item bid, in the space so provided.
- b. **Trade Discounts**
When the bidder offers a trade discount, the amount of such discount shall be stated on the Schedule of Items bid.
- c. **Catalog Pricing**
Where the bidder submits its quotation by filing its catalog price list and discount, such documents shall be part of the bid and must be separately signed by the same person and in the same manner as on the bid form.

A-8 BIDDER'S DESCRIPTION OF ITEMS

- a. Each bidder shall, in its bid, describe completely the goods or services it proposes to furnish in response to and under the terms of the bid.
- b. The Commissioner of Purchases and Supplies may require a bidder to furnish additional information and/or specifications concerning items to be purchased under the terms of the bid.

A-9 MANUFACTURER'S NAME

- a. The use of a manufacturer's or a trade name in the specifications is solely for the purpose of designating a standard of quality and type and for no other purpose.
- b. Every bidder shall state in its Schedule of Items bid the manufacturer's and the trade name, if any, of each item they propose to furnish.

A-10 SAMPLES

If the commissioner of Purchases and Supplies requests, a bidder shall provide samples of the items it proposes to furnish if awarded a contract pursuant to its bid.

A-11 TIME OF DELIVERY

Bidder must state in its bid the time, in calendar days, within which it will deliver the item(s) bid unless stated differently in the specifications.

A-12 PAYMENT DISCOUNT WHEN USED TO DETERMINE LOWEST AND BEST BID

- a. In determining the lowest and best bid, the City will consider all bids on a basis of the net price to be paid after deduction of the discount specified; except that if the terms of payment specified by the bidder require payment in less than thirty (30) days from the date of the invoice, the discount offered will not be deducted from the price stated in the bid to determine the lowest and best bidder, and the bid will be considered only on the basis of the unit price actually named in the bid. But if, notwithstanding the provisions of this paragraph such bid is determined to be the lowest and best bid, the City reserves the right to accept the terms named in the bid if such terms are to the advantage of the City as a basis for payment of invoices only, but not in any case as a basis for determining the lowest and best bidder.
- b. The City will take a discount of two percent (2%) on payments made within thirty (30) days from receipt of articles, commodities, materials, supplies, equipment or services, unless the bidder indicates otherwise on the space provided on the Schedule of Items bid.

PARAGRAPHS A-13 THROUGH A-15 APPLY ONLY IF THE "REQUIREMENT CONTRACT" BLOCK IS CHECKED ON PAGE 1 OF THE SCHEDULE OF ITEMS AND ON THE *BID FORM*.

A-13 REQUIREMENT CONTRACT DEFINED

- a. A requirement contract is a contract under which the contractor has a duty to provide the City's requirements during the contract term for all articles, commodities, supplies, materials, equipment and/or services set forth in the bid and required by the City's authorized users of the items approved for contract.
- b. A contract awarded under this bid will be termed a requirement contract.

A-14 PURCHASES UNDER A REQUIREMENT CONTRACT

- a. Under a requirement contract, a contractor shall supply all the City's requirements during the term for the articles, commodities, supplies, materials, services or equipment set forth in the *Invitation to Bid*. See GENERAL CONDITIONS, Section B-24, *Duration of Contract*.
- b. If the *Schedule of Items* in the *Invitation to Bid* is marked "requirement contract," then all quantities stated in the *Schedule of Items* are the City's good-faith estimates only. The City shall place each order under the

contract, whether singly or cumulatively more or less than the estimated quantities set forth in the *Schedule of Items*, by a Delivery Order against the contract and separately certified.

A-15 LIMITATION OF PERIOD OF CONTRACT

If the proposed duration of the contract would deprive the City of the best available market price, the bidder may offer an alternate bid as to duration of the contract, setting forth in the bid the longest period of time it can furnish and deliver the proportionate amount of items at the firm price set forth in the bid. No other provision of the Invitation to Bid shall be subject to an alternate bid unless specifically requested.

A-16 BID DISCOUNTS - APPLICABLE TO BIDS FOR GOODS AND SERVICES PURCHASE CONTRACTS AND PUBLIC IMPROVEMENT CONTRACTS IN EXCESS OF FIFTY THOUSAND DOLLARS (\$50,000).

a. Bid Discounts under Sections 187.03 and 187.05. If the bid of any prime contractor that is a CSB, MBE, FBE or a CSB, MBE or FBE joint venture is no more than five percent (5%) higher than the lowest actual bid for a contract that is not from a CSB, MBE, FBE or a CSB, MBE or FBE joint venture, the contracting department shall apply a Bid Discount of five percent (5%) to the CSB, MBE, FBE or CSB, MBE or FBE joint venture bid for the purpose of establishing a Comparison Bid. The City of Cleveland shall use the following ranking in determining who receives the preference:

1. Where the disparity study has determined that a disparity exists, the bid discount shall go to the bidders who are certified by the City as members of the specific MBE/FBE group for which the proven disparity exists. No other bidders shall receive any preference under Sections 187.03 and 187.05 at the prime contractor level.
2. Where no disparity has been proven, or when no bids are received from groups for which a proven disparity exists, the bid discount shall go to certified CSB bidders certified by the City as located within the city limits of Cleveland. No other bidders shall receive any preference under Sections 187.03 and 187.05 at the prime contractor level.
3. Where no disparity has been proven, or when no bids are received from groups for which a proven disparity exists, and no bids were received from certified CSB firms certified by the City as located within the city limits of Cleveland, the bid discount shall go to Certified CSB bidders certified by the City as located within Cuyahoga County. No other bidders shall receive any preference under Sections 187.03 and 187.05 at the prime contractor level.
4. In addition to any bid discounts at the prime contractor level, all prime contractors shall receive a bid discount of 5% of the total dollar amount of all CSB, MBE and/or FBE certified by the City that the prime contractor properly documents as subcontractors in their bid, for the purpose of establishing a Comparison Bid.
5. The total Bid Discount awarded to any bidder on a bid pursuant to Sections 187.03 and 187.05 shall not exceed \$50,000.00.

b. Bid Discounts under Section 187A.02(a): Application of Bid Discount - A Contracting Department shall apply a Bid Discount of two percent (2%) to a bid received from a Local Producer (LPE); two percent (2%) to a bid received from a Local Food-Producer (LPE); and two percent (2%) to a bid received from a Local Sustainable Business (SUBE); provided that the maximum total Bid Discount applied under Section 187A.02 (a) shall not exceed four percent (4%). Bid Discounts applied under Section 187A.02 (a) shall be in addition to any Bid Discount applied under Sections 187.03 and 187.05. The maximum amount of any Bid Discounts applied under this Section 187A.02 (a) shall not exceed \$50,000.

c. Maximum Cumulative Amount of All Bid Discounts:

The maximum cumulative amount of all Bid Discounts that may be applied to the bid under Sections 187.03, 187.05, and 187A.02 shall not exceed \$75,000.00, or nine percent (9%), whichever is lower.

d. Comparison Bid to Determine Lowest and Best Bidder:

The City shall determine the Comparison Bid by totaling all applicable Bid Discounts under Sections 187.03, 187.05, and 187A.02. The City shall use the Comparison Bid in determining the lowest and best or lowest responsible bidder for the purpose of awarding the contract. If more than one CSB, MBE, FBE, LPE, SUBE or CSB, MBE, FBE, LPE, SUBE joint venture prime contractor in the respective category submits a bid that is no more than five percent (5%) higher than the lowest actual bid that is not from a CSB, MBE, FBE, LPE, SUBE or from a CSB, MBE, FBE, LPE, SUBE joint venture, the contracting department shall recommend the CSB, MBE, FBE, LPE, SUBE, or CSB, MBE, FBE, LPE, SUBE joint venture submitting the lowest bid, after the inclusion of all applicable prime and subcontractor discounts, as the lowest and best or lowest responsible bidder.

The City shall use the Comparison Bid amount determined by applying the bid discounts described in Articles A-16A, and A-16B, above for evaluation purposes only; the City shall use the actual bid amount for the purposes of bid approval and contract award.

e. City of Cleveland Certification required: For the purpose of determining a bidder's eligibility for bid discounts, the City shall only consider bidders with valid certificates issued by the City of Cleveland's Office of Equal Opportunity. The certifications must be active on the date and time of the deadline for bid submission. Expired certification holders and pending certifications cannot be considered for calculation of bid discounts. Certifications from other public or private entities cannot be considered.

A-17 Good Faith Participation - APPLICABLE TO BIDS FOR GOODS AND SERVICES PURCHASE CONTRACTS AND PUBLIC IMPROVEMENT CONTRACTS IN EXCESS OF FIFTY THOUSAND DOLLARS (\$50,000).

Bidders are required to actively participate and demonstrate good faith in attempting to meet all OEO goals for this procurement. A good faith effort to meet certified CSB, MBE, and/or FBE subcontractor participation goals as established in this contract is of the essence of the contract.

Good faith participation shall include:

1. Active cooperation in making and documenting a serious effort to gain and maintain participation from certified businesses at or above the specific goals set for this procurement;
2. Achieving or exceeding the CSB/MBE/FBE goals set for this particular procurement and/or documenting the practical steps taken by the bidder in attempting to comply;
3. Active attendance and participation in all prebid meetings, Notice to Proceed meetings, and progress meetings during the contract;
4. Active compliance and cooperation with Project Monitors from OEO and/or the Department; and,
5. Timely and accurate submittals of all required forms, including, but not limited to, electronic monitoring forms, employment reports and certified payrolls if applicable.

The final determination of good faith effort shall be made by the Office of Equal Opportunity based upon each bidder's actions as documented in the required forms and as verified by OEO follow up.

A-18 Cleveland Area Business Code Notice to Bidders & Schedules - APPLICABLE TO BIDS FOR GOODS AND SERVICES PURCHASE CONTRACTS AND PUBLIC IMPROVEMENT CONTRACTS IN EXCESS OF FIFTY THOUSAND DOLLARS (\$50,000).

Sections 187 and 187A of the Codified Ordinances of the City of Cleveland Ohio, the Cleveland Area Business Code, in its entirety, whether reproduced in whole or in part within these documents, as well as the Cleveland Area Business Code Notice to Bidders & Schedules included in this bid document, shall become part of any contract awarded pursuant to this Invitation to Bid. Compliance with Section 187 and 187A is of the essence of the contract.

A-19 SUBCONTRACTING:

a. Any and all proposed subcontractors, whether City certified or not, must be divulged and listed in the sealed bid. Include all proposed subcontractors on OEO Schedule 2. A Schedule 3 is also required for each proposed subcontractor that is CSB, MBE, FBE, LPE, or SUBE certified. However, a Schedule 3 is not required for proposed subcontractors who are not City-certified as a CSB, MBE, FBE, LPE, or SUBE.

b. If OEO Schedule 2 is not included in the bid documents, you must submit a proposed subcontractor list on a separate, signed sheet of paper, listing the name, address, type of work or materials, and total subcontractor amount for each and every subcontractor that you propose to use on the contract.

c. All proposed subcontractors listed in your bid must receive written Board of Control approval in advance. The subcontractors you propose in your sealed bid will be considered the subcontractors that you will use in the contract if awarded to you. See Article B-11 regarding the City's Sub-contractor Addition and Substitution Policy and Procedure. The City also reserves the right to approve an award, but not approve a proposed subcontractor.

d. The City maintains a list of Vendors Ineligible to Contract or Subcontract with the City at the City of Cleveland website: <http://www.city.cleveland.oh.us>. It is each bidder's responsibility to propose only eligible contractors. The City cannot approve a subcontractor whose name appears in this listing.

By signing the filled-out form, you:

1. Certify that the TIN you are giving is correct (or you are waiting for a number to be issued),
2. Certify that you are not subject to backup withholding, or
3. Claim exemption from backup withholding if you are a U.S. exempt payee. If applicable, you are also certifying that as a U.S. person, your allocable share of any partnership income from a U.S. trade or business is not subject to the withholding tax on foreign partners' share of effectively connected income, and
4. Certify that FATCA code(s) entered on this form (if any) indicating that you are exempt from the FATCA reporting, is correct. See *What is FATCA reporting*, later, for further information.

Note: If you are a U.S. person and a requester gives you a form other than Form W-9 to request your TIN, you must use the requester's form if it is substantially similar to this Form W-9.

Definition of a U.S. person. For federal tax purposes, you are considered a U.S. person if you are:

- An individual who is a U.S. citizen or U.S. resident alien;
- A partnership, corporation, company, or association created or organized in the United States or under the laws of the United States;
- An estate (other than a foreign estate); or
- A domestic trust (as defined in Regulations section 301.7701-7).

Special rules for partnerships. Partnerships that conduct a trade or business in the United States are generally required to pay a withholding tax under section 1446 on any foreign partners' share of effectively connected taxable income from such business. Further, in certain cases where a Form W-9 has not been received, the rules under section 1446 require a partnership to presume that a partner is a foreign person, and pay the section 1446 withholding tax. Therefore, if you are a U.S. person that is a partner in a partnership conducting a trade or business in the United States, provide Form W-9 to the partnership to establish your U.S. status and avoid section 1446 withholding on your share of partnership income.

In the cases below, the following person must give Form W-9 to the partnership for purposes of establishing its U.S. status and avoiding withholding on its allocable share of net income from the partnership conducting a trade or business in the United States.

- In the case of a disregarded entity with a U.S. owner, the U.S. owner of the disregarded entity and not the entity;
- In the case of a grantor trust with a U.S. grantor or other U.S. owner, generally, the U.S. grantor or other U.S. owner of the grantor trust and not the trust; and
- In the case of a U.S. trust (other than a grantor trust), the U.S. trust (other than a grantor trust) and not the beneficiaries of the trust.

Foreign person. If you are a foreign person or the U.S. branch of a foreign bank that has elected to be treated as a U.S. person, do not use Form W-9. Instead, use the appropriate Form W-8 or Form 8233 (see Pub. 515, *Withholding of Tax on Nonresident Aliens and Foreign Entities*).

Nonresident alien who becomes a resident alien. Generally, only a nonresident alien individual may use the terms of a tax treaty to reduce or eliminate U.S. tax on certain types of income. However, most tax treaties contain a provision known as a "saving clause." Exceptions specified in the saving clause may permit an exemption from tax to continue for certain types of income even after the payee has otherwise become a U.S. resident alien for tax purposes.

If you are a U.S. resident alien who is relying on an exception contained in the saving clause of a tax treaty to claim an exemption from U.S. tax on certain types of income, you must attach a statement to Form W-9 that specifies the following five items.

1. The treaty country. Generally, this must be the same treaty under which you claimed exemption from tax as a nonresident alien.
2. The treaty article addressing the income.
3. The article number (or location) in the tax treaty that contains the saving clause and its exceptions.
4. The type and amount of income that qualifies for the exemption from tax.
5. Sufficient facts to justify the exemption from tax under the terms of the treaty article.

Example. Article 20 of the U.S.-China Income tax treaty allows an exemption from tax for scholarship income received by a Chinese student temporarily present in the United States. Under U.S. law, this student will become a resident alien for tax purposes if his or her stay in the United States exceeds 5 calendar years. However, paragraph 2 of the first Protocol to the U.S.-China treaty (dated April 30, 1984) allows the provisions of Article 20 to continue to apply even after the Chinese student becomes a resident alien of the United States. A Chinese student who qualifies for this exception (under paragraph 2 of the first protocol) and is relying on this exception to claim an exemption from tax on his or her scholarship or fellowship income would attach to Form W-9 a statement that includes the information described above to support that exemption.

If you are a nonresident alien or a foreign entity, give the requester the appropriate completed Form W-8 or Form 8233.

Backup Withholding

What is backup withholding? Persons making certain payments to you must under certain conditions withhold and pay to the IRS 24% of such payments. This is called "backup withholding." Payments that may be subject to backup withholding include interest, tax-exempt interest, dividends, broker and barter exchange transactions, rents, royalties, nonemployee pay, payments made in settlement of payment card and third party network transactions, and certain payments from fishing boat operators. Real estate transactions are not subject to backup withholding.

You will not be subject to backup withholding on payments you receive if you give the requester your correct TIN, make the proper certifications, and report all your taxable interest and dividends on your tax return.

Payments you receive will be subject to backup withholding if:

1. You do not furnish your TIN to the requester,
2. You do not certify your TIN when required (see the instructions for Part II for details),
3. The IRS tells the requester that you furnished an incorrect TIN,
4. The IRS tells you that you are subject to backup withholding because you did not report all your interest and dividends on your tax return (for reportable interest and dividends only), or
5. You do not certify to the requester that you are not subject to backup withholding under 4 above (for reportable interest and dividend accounts opened after 1983 only).

Certain payees and payments are exempt from backup withholding. See *Exempt payee code*, later, and the separate instructions for the Requester of Form W-9 for more information.

Also see *Special rules for partnerships*, earlier.

What is FATCA Reporting?

The Foreign Account Tax Compliance Act (FATCA) requires a participating foreign financial institution to report all United States account holders that are specified United States persons. Certain payees are exempt from FATCA reporting. See *Exemption from FATCA reporting code*, later, and the instructions for the Requester of Form W-9 for more information.

Updating Your Information

You must provide updated information to any person to whom you claimed to be an exempt payee if you are no longer an exempt payee and anticipate receiving reportable payments in the future from this person. For example, you may need to provide updated information if you are a C corporation that elects to be an S corporation, or if you no longer are tax exempt. In addition, you must furnish a new Form W-9 if the name or TIN changes for the account; for example, if the grantor of a grantor trust dies.

Penalties

Failure to furnish TIN. If you fail to furnish your correct TIN to a requester, you are subject to a penalty of \$50 for each such failure unless your failure is due to reasonable cause and not to willful neglect.

Civil penalty for false information with respect to withholding. If you make a false statement with no reasonable basis that results in no backup withholding, you are subject to a \$500 penalty.

Criminal penalty for falsifying information. Willfully falsifying certifications or affirmations may subject you to criminal penalties including fines and/or imprisonment.

Misuse of TINs. If the requester discloses or uses TINs in violation of federal law, the requester may be subject to civil and criminal penalties.

Specific Instructions

Line 1

You must enter one of the following on this line; do not leave this line blank. The name should match the name on your tax return.

If this Form W-9 is for a joint account (other than an account maintained by a foreign financial institution (FFI)), list first, and then circle, the name of the person or entity whose number you entered in Part 1 of Form W-9. If you are providing Form W-9 to an FFI to document a joint account, each holder of the account that is a U.S. person must provide a Form W-9.

a. **Individual.** Generally, enter the name shown on your tax return. If you have changed your last name without informing the Social Security Administration (SSA) of the name change, enter your first name, the last name as shown on your social security card, and your new last name.

Note: ITIN applicant: Enter your individual name as it was entered on your Form W-7 application, line 1a. This should also be the same as the name you entered on the Form 1040/1040A/1040EZ you filed with your application.

b. **Sole proprietor or single-member LLC.** Enter your individual name as shown on your 1040/1040A/1040EZ on line 1. You may enter your business, trade, or "doing business as" (DBA) name on line 2.

c. **Partnership, LLC that is not a single-member LLC, C corporation, or S corporation.** Enter the entity's name as shown on the entity's tax return on line 1 and any business, trade, or DBA name on line 2.

d. **Other entities.** Enter your name as shown on required U.S. federal tax documents on line 1. This name should match the name shown on the charter or other legal document creating the entity. You may enter any business, trade, or DBA name on line 2.

e. **Disregarded entity.** For U.S. federal tax purposes, an entity that is disregarded as an entity separate from its owner is treated as a "disregarded entity." See Regulations section 301.7701-2(c)(2)(ii). Enter the owner's name on line 1. The name of the entity entered on line 1 should never be a disregarded entity. The name on line 1 should be the name shown on the income tax return on which the income should be reported. For example, if a foreign LLC that is treated as a disregarded entity for U.S. federal tax purposes has a single owner that is a U.S. person, the U.S. owner's name is required to be provided on line 1. If the direct owner of the entity is also a disregarded entity, enter the first owner that is not disregarded for federal tax purposes. Enter the disregarded entity's name on line 2, "Business name/disregarded entity name." If the owner of the disregarded entity is a foreign person, the owner must complete an appropriate Form W-8 instead of a Form W-9. This is the case even if the foreign person has a U.S. TIN.

Line 2

If you have a business name, trade name, DBA name, or disregarded entity name, you may enter it on line 2.

Line 3

Check the appropriate box on line 3 for the U.S. federal tax classification of the person whose name is entered on line 1. Check only one box on line 3.

IF the entity/person on line 1 is a(n) . . .	THEN check the box for . . .
• Corporation	Corporation
• Individual • Sole proprietorship, or • Single-member limited liability company (LLC) owned by an individual and disregarded for U.S. federal tax purposes.	Individual/sole proprietor or single-member LLC
• LLC treated as a partnership for U.S. federal tax purposes, • LLC that has filed Form 8832 or 2553 to be taxed as a corporation, or • LLC that is disregarded as an entity separate from its owner but the owner is another LLC that is not disregarded for U.S. federal tax purposes.	Limited liability company and enter the appropriate tax classification. (P= Partnership; C= C corporation; or S= S corporation)
• Partnership	Partnership
• Trust/estate	Trust/estate

Line 4, Exemptions

If you are exempt from backup withholding and/or FATCA reporting, enter in the appropriate space on line 4 any code(s) that may apply to you.

Exempt payee code.

• Generally, individuals (including sole proprietors) are not exempt from backup withholding.

• Except as provided below, corporations are exempt from backup withholding for certain payments, including interest and dividends.

• Corporations are not exempt from backup withholding for payments made in settlement of payment card or third party network transactions.

• Corporations are not exempt from backup withholding with respect to attorneys' fees or gross proceeds paid to attorneys, and corporations that provide medical or health care services are not exempt with respect to payments reportable on Form 1099-MISC.

The following codes identify payees that are exempt from backup withholding. Enter the appropriate code in the space in line 4.

1—An organization exempt from tax under section 501(a), any IRA, or a custodial account under section 403(b)(7) if the account satisfies the requirements of section 401(f)(2)

2—The United States or any of its agencies or instrumentalities

3—A state, the District of Columbia, a U.S. commonwealth or possession, or any of their political subdivisions or instrumentalities

4—A foreign government or any of its political subdivisions, agencies, or instrumentalities

5—A corporation

6—A dealer in securities or commodities required to register in the United States, the District of Columbia, or a U.S. commonwealth or possession

7—A futures commission merchant registered with the Commodity Futures Trading Commission

8—A real estate investment trust

9—An entity registered at all times during the tax year under the Investment Company Act of 1940

10—A common trust fund operated by a bank under section 584(a)

11—A financial institution

12—A middleman known in the investment community as a nominee or custodian

13—A trust exempt from tax under section 664 or described in section 4947

The following chart shows types of payments that may be exempt from backup withholding. The chart applies to the exempt payees listed above, 1 through 13.

IF the payment is for . . .	THEN the payment is exempt for . . .
Interest and dividend payments	All exempt payees except for 7
Broker transactions	Exempt payees 1 through 4 and 6 through 11 and all C corporations. S corporations must not enter an exempt payee code because they are exempt only for sales of noncovered securities acquired prior to 2012.
Barter exchange transactions and patronage dividends	Exempt payees 1 through 4
Payments over \$600 required to be reported and direct sales over \$5,000 ¹	Generally, exempt payees 1 through 5 ²
Payments made in settlement of payment card or third party network transactions	Exempt payees 1 through 4

¹ See Form 1099-MISC, Miscellaneous Income, and its instructions.

² However, the following payments made to a corporation and reportable on Form 1099-MISC are not exempt from backup withholding: medical and health care payments, attorneys' fees, gross proceeds paid to an attorney reportable under section 6045(f), and payments for services paid by a federal executive agency.

Exemption from FATCA reporting code. The following codes identify payees that are exempt from reporting under FATCA. These codes apply to persons submitting this form for accounts maintained outside of the United States by certain foreign financial institutions. Therefore, if you are only submitting this form for an account you hold in the United States, you may leave this field blank. Consult with the person requesting this form if you are uncertain if the financial institution is subject to these requirements. A requester may indicate that a code is not required by providing you with a Form W-9 with "Not Applicable" (or any similar indication) written or printed on the line for a FATCA exemption code.

A—An organization exempt from tax under section 501(a) or any individual retirement plan as defined in section 7701(a)(37)

B—The United States or any of its agencies or instrumentalities

C—A state, the District of Columbia, a U.S. commonwealth or possession, or any of their political subdivisions or instrumentalities

D—A corporation the stock of which is regularly traded on one or more established securities markets, as described in Regulations section 1.1472-1(c)(1)(i)

E—A corporation that is a member of the same expanded affiliated group as a corporation described in Regulations section 1.1472-1(c)(1)(i)

F—A dealer in securities, commodities, or derivative financial instruments (including notional principal contracts, futures, forwards, and options) that is registered as such under the laws of the United States or any state

G—A real estate investment trust

H—A regulated investment company as defined in section 851 or an entity registered at all times during the tax year under the Investment Company Act of 1940

I—A common trust fund as defined in section 584(a)

J—A bank as defined in section 581

K—A broker

L—A trust exempt from tax under section 664 or described in section 4947(a)(1)

M—A tax exempt trust under a section 403(b) plan or section 457(g) plan

Note: You may wish to consult with the financial institution requesting this form to determine whether the FATCA code and/or exempt payee code should be completed.

Line 5

Enter your address (number, street, and apartment or suite number). This is where the requester of this Form W-9 will mail your information returns. If this address differs from the one the requester already has on file, write NEW at the top. If a new address is provided, there is still a chance the old address will be used until the payor changes your address in their records.

Line 6

Enter your city, state, and ZIP code.

Part I. Taxpayer Identification Number (TIN)

Enter your TIN in the appropriate box. If you are a resident alien and you do not have and are not eligible to get an SSN, your TIN is your IRS individual taxpayer identification number (ITIN). Enter it in the social security number box. If you do not have an ITIN, see *How to get a TIN* below.

If you are a sole proprietor and you have an EIN, you may enter either your SSN or EIN.

If you are a single-member LLC that is disregarded as an entity separate from its owner, enter the owner's SSN (or EIN, if the owner has one). Do not enter the disregarded entity's EIN. If the LLC is classified as a corporation or partnership, enter the entity's EIN.

Note: See *What Name and Number To Give the Requester*, later, for further clarification of name and TIN combinations.

How to get a TIN. If you do not have a TIN, apply for one immediately. To apply for an SSN, get Form SS-5, Application for a Social Security Card, from your local SSA office or get this form online at www.SSA.gov. You may also get this form by calling 1-800-772-1213. Use Form W-7, Application for IRS Individual Taxpayer Identification Number, to apply for an ITIN, or Form SS-4, Application for Employer Identification Number, to apply for an EIN. You can apply for an EIN online by accessing the IRS website at www.irs.gov/Businesses and clicking on Employer Identification Number (EIN) under Starting a Business. Go to www.irs.gov/Forms to view, download, or print Form W-7 and/or Form SS-4. Or, you can go to www.irs.gov/OrderForms to place an order and have Form W-7 and/or SS-4 mailed to you within 10 business days.

If you are asked to complete Form W-9 but do not have a TIN, apply for a TIN and write "Applied For" in the space for the TIN, sign and date the form, and give it to the requester. For interest and dividend payments, and certain payments made with respect to readily tradable instruments, generally you will have 60 days to get a TIN and give it to the requester before you are subject to backup withholding on payments. The 60-day rule does not apply to other types of payments. You will be subject to backup withholding on all such payments until you provide your TIN to the requester.

Note: Entering "Applied For" means that you have already applied for a TIN or that you intend to apply for one soon.

Caution: A disregarded U.S. entity that has a foreign owner must use the appropriate Form W-8.

Part II. Certification

To establish to the withholding agent that you are a U.S. person, or resident alien, sign Form W-9. You may be requested to sign by the withholding agent even if item 1, 4, or 5 below indicates otherwise.

For a joint account, only the person whose TIN is shown in Part I should sign (when required). In the case of a disregarded entity, the person identified on line 1 must sign. Exempt payees, see *Exempt payee code*, earlier.

Signature requirements. Complete the certification as indicated in items 1 through 5 below.

1. Interest, dividend, and barter exchange accounts opened before 1984 and broker accounts considered active during 1983. You must give your correct TIN, but you do not have to sign the certification.
2. Interest, dividend, broker, and barter exchange accounts opened after 1983 and broker accounts considered inactive during 1983. You must sign the certification or backup withholding will apply. If you are subject to backup withholding and you are merely providing your correct TIN to the requester, you must cross out item 2 in the certification before signing the form.
3. Real estate transactions. You must sign the certification. You may cross out item 2 of the certification.
4. Other payments. You must give your correct TIN, but you do not have to sign the certification unless you have been notified that you have previously given an incorrect TIN. "Other payments" include payments made in the course of the requester's trade or business for rents, royalties, goods (other than bills for merchandise), medical and health care services (including payments to corporations), payments to a nonemployee for services, payments made in settlement of payment card and third party network transactions, payments to certain fishing boat crew members and fishermen, and gross proceeds paid to attorneys (including payments to corporations).
5. Mortgage interest paid by you, acquisition or abandonment of secured property, cancellation of debt, qualified tuition program payments (under section 529), ABLE accounts (under section 529A), IRA, Coverdell ESA, Archer MSA or HSA contributions or distributions, and pension distributions. You must give your correct TIN, but you do not have to sign the certification.

For this type of account:	Give name and EIN of:
14. Account with the Department of Agriculture in the name of a public entity (such as a state or local government, school district, or prison) that receives agricultural program payments	The public entity
15. Grantor trust filing under the Form 1041 Filing Method or the Optional Form 1099 Filing Method 2 (see Regulations section 1.671-4(b)(2)(i)(B))	The trust

¹ List first and circle the name of the person whose number you furnish. If only one person on a joint account has an SSN, that person's number must be furnished.

² Circle the minor's name and furnish the minor's SSN.

³ You must show your individual name and you may also enter your business or DBA name on the "Business name/disregarded entity" name line. You may use either your SSN or EIN (if you have one), but the IRS encourages you to use your SSN.

⁴ List first and circle the name of the trust, estate, or pension trust. (Do not furnish the TIN of the personal representative or trustee unless the legal entity itself is not designated in the account title.) Also see *Special rules for partnerships*, earlier.

*Note: The grantor also must provide a Form W-9 to trustee of trust.

Note: If no name is circled when more than one name is listed, the number will be considered to be that of the first name listed.

What Name and Number To Give the Requester

For this type of account:	Give name and SSN of:
1. Individual	The individual
2. Two or more individuals (joint account) other than an account maintained by an FFI	The actual owner of the account or, if combined funds, the first individual on the account ¹
3. Two or more U.S. persons (joint account maintained by an FFI)	Each holder of the account
4. Custodial account of a minor (Uniform Gift to Minors Act)	The minor ²
5. a. The usual revocable savings trust (grantor is also trustee)	The grantor-trustee ¹
b. So-called trust account that is not a legal or valid trust under state law	The actual owner ¹
6. Sole proprietorship or disregarded entity owned by an individual	The owner ³
7. Grantor trust filing under Optional Form 1099 Filing Method 1 (see Regulations section 1.671-4(b)(2)(i)(A))	The grantor ¹
For this type of account:	Give name and EIN of:
8. Disregarded entity not owned by an individual	The owner
9. A valid trust, estate, or pension trust	Legal entity ⁴
10. Corporation or LLC electing corporate status on Form 8832 or Form 2553	The corporation
11. Association, club, religious, charitable, educational, or other tax-exempt organization	The organization
12. Partnership or multi-member LLC	The partnership
13. A broker or registered nominee	The broker or nominee

Secure Your Tax Records From Identity Theft

Identity theft occurs when someone uses your personal information such as your name, SSN, or other identifying information, without your permission, to commit fraud or other crimes. An identity thief may use your SSN to get a job or may file a tax return using your SSN to receive a refund.

To reduce your risk:

- Protect your SSN,
 - Ensure your employer is protecting your SSN, and
 - Be careful when choosing a tax preparer.
- If your tax records are affected by identity theft and you receive a notice from the IRS, respond right away to the name and phone number printed on the IRS notice or letter.

If your tax records are not currently affected by identity theft but you think you are at risk due to a lost or stolen purse or wallet, questionable credit card activity or credit report, contact the IRS Identity Theft Hotline at 1-800-908-4490 or submit Form 14039.

For more information, see Pub. 5027, Identity Theft Information for Taxpayers.

Victims of identity theft who are experiencing economic harm or a systemic problem, or are seeking help in resolving tax problems that have not been resolved through normal channels, may be eligible for Taxpayer Advocate Service (TAS) assistance. You can reach TAS by calling the TAS toll-free case intake line at 1-877-777-4778 or TTY/TDD 1-800-829-4059.

Protect yourself from suspicious emails or phishing schemes. Phishing is the creation and use of email and websites designed to mimic legitimate business emails and websites. The most common act is sending an email to a user falsely claiming to be an established legitimate enterprise in an attempt to scam the user into surrendering private information that will be used for identity theft.

The IRS does not initiate contacts with taxpayers via emails. Also, the IRS does not request personal detailed information through email or ask taxpayers for the PIN numbers, passwords, or similar secret access information for their credit card, bank, or other financial accounts.

If you receive an unsolicited email claiming to be from the IRS, forward this message to phishing@irs.gov. You may also report misuse of the IRS name, logo, or other IRS property to the Treasury Inspector General for Tax Administration (TIGTA) at 1-800-366-4484. You can forward suspicious emails to the Federal Trade Commission at spam@uce.gov or report them at www.ftc.gov/complaint. You can contact the FTC at www.ftc.gov/idtheft or 877-IDTHEFT (877-438-4338). If you have been the victim of identity theft, see www.IdentityTheft.gov and Pub. 5027.

Visit www.irs.gov/IdentityTheft to learn more about identity theft and how to reduce your risk.

Privacy Act Notice

Section 6109 of the Internal Revenue Code requires you to provide your correct TIN to persons (including federal agencies) who are required to file information returns with the IRS to report interest, dividends, or certain other income paid to you; mortgage interest you paid; the acquisition or abandonment of secured property; the cancellation of debt; or contributions you made to an IRA, Archer MSA, or HSA. The person collecting this form uses the information on the form to file information returns with the IRS, reporting the above information. Routine uses of this information include giving it to the Department of Justice for civil and criminal litigation and to cities, states, the District of Columbia, and U.S. commonwealths and possessions for use in administering their laws. The information also may be disclosed to other countries under a treaty, to federal and state agencies to enforce civil and criminal laws, or to federal law enforcement and intelligence agencies to combat terrorism. You must provide your TIN whether or not you are required to file a tax return. Under section 3406, payers must generally withhold a percentage of taxable interest, dividend, and certain other payments to a payee who does not give a TIN to the payer. Certain penalties may also apply for providing false or fraudulent information.



VENDOR INFORMATION FORM

Please fill in:

Business Name _____

IRS Reporting Name _____

Business Address _____

City _____ State _____ Zip _____

Telephone () _____ Extension _____

Toll Free Number 800 _____

Vendor Fax Number _____

Vendor Email Address _____

Ordering Address _____

City _____ State _____ Zip _____

Telephone () _____ Extension _____

Remit Address _____

City _____ State _____ Zip _____

Telephone () _____ Extension _____

Contact Person: (Ordering) _____

Remit _____

PLEASE INCLUDE THE ABOVE INFORMATION
WHEN SUBMITTING YOUR BID OR PROPOSAL

NOTE: Sections 181.23 and 185.04 of The Codified Ordinances of Cleveland, Ohio 1976 require that this affidavit, properly executed and containing all required information, accompany your bid. IF YOU FAIL TO COMPLY, YOUR BID WILL NOT BE CONSIDERED.

STATE OF _____

COUNTY OF _____

}

SS

AFFIDAVIT

_____ being first

duly sworn deposes and says:

Individual only: That he/she is an individual doing business under the name _____
at _____, in
the City of _____, State of _____

Partnership only: That he/she is the duly authorized representative of a partnership doing business under
the name of _____, in
the City of _____, State of _____

Corporation only: That he/she is the duly authorized, qualified and acting _____
of _____,

a corporation organized and existing under the laws of the State of _____;
and that said individual, said partnership or said corporation, is filling herewith a bid to the City
of Cleveland in conformity with the foregoing specifications;

Individual only: Affiant further says that the following is a complete and accurate list of the names and
addresses of all persons interested in said proposed contract: _____

Affiant further says that he/she is represented by the following attorneys:

and is also represented by the following resident agents in the City of Cleveland:

Partnership only: Affiant further says that the following is a complete and accurate list of names and addresses
of the members of said partnership:

Affiant further says that said partnership is represented by the following attorneys:

and is also represented by the following resident agents in the City of Cleveland:

Corporation only:

Affiant further says that the following is a complete and accurate list of the officers, directors and attorneys of said corporation:

President

Directors:

Vice President

Secretary

Treasurer

Cleveland Manager or Agent

Attorneys

And that the following officers are duly authorized to execute contracts on behalf of said corporation:

Affiant further says that the bid filed herewith is not made in the interest of or on behalf of any undisclosed person, partnership, company, association, organization or corporation; that such bid is genuine and not collusive or sham; that said bidder has not, directly or indirectly, induced or solicited any other bidder to put in a false or sham bid, and has not, directly or indirectly, colluded, conspired, connived or agreed with any bidder or anyone else to put in a sham bid, or that anyone shall refrain from bidding; that said bidder has not in any manner, directly or indirectly, sought by agreement, communication or conference with anyone to fix the bid price of said bidder or any other bidder, or to fix any overhead, profit, or cost element of such bid price or that of any other bidder, or to secure any advantage against the City of Cleveland or anyone interested in the proposed contract; that all statements contained in such bid are true; that said bidder has not, directly or indirectly, submitted his bid price or any breakdown thereof or the contents thereof, or divulged information or data relative thereto, or paid or agreed to pay, directly or indirectly, any money, or other valuable consideration for assistance or aid rendered or to be rendered in procuring or attempting to procure the contract above referred to, to any corporation, partnership, company, association, organization, or to any member or agent thereof, or to any other individual, except to such person or persons as hereinabove disclosed to have a partnership or other financial interest with said bidder in his general business; and further that said bidder will not pay or agree to pay, directly or indirectly, any money or other valuable consideration to any corporation, partnership, company, association, organization or to any member or agent thereof, or to any other individual, for aid

or assistance in securing contract above referred to in the event the same is awarded to _____

(name of individual, partnership or corporation)

Further affiant said not.

(Sign Here) _____

Sworn to before me and subscribed in my presence this _____ day of _____

20 _____

Notary Public

CITY OF CLEVELAND

BID BOND

KNOW ALL MEN BY THESE PRESENTS, That we

as Principal, and

a corporation duly authorized to do business in Ohio, as Surety, are held and firmly bound unto

THE CITY OF CLEVELAND

as Obligee, in the penal sum of _____

Dollars, lawful money of the United States of America, for the payment of which, well and truly to be made, we bind ourselves, our heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these presents.

SIGNED, sealed and dated this _____ day of _____, 20_____.

WHEREAS, the said principal is herewith submitting bid for

Now, **THEREFORE**, the condition of the above obligation is such that if the said principal shall execute a contract and give bond for the faithful performance within ten (10) working days after being notified in writing of the award of such contract to the principal, or if the principal or surety shall pay the obligee the sum, not exceeding the penalty hereof, by which the amount of the contract, covering the said proposal, properly and lawfully executed by and between the obligee and some third party, may exceed the amount bid by principal, then this obligation shall be void; otherwise it shall remain in full force and effect.

PRINCIPAL _____

BY: _____

TITLE _____

By _____

Attorney in Fact

CITY OF CLEVELAND

BID FORM

STANDARD CONTRACT BID
 REQUIREMENT CONTRACT BID

TO: The Commissioner of Purchases and Supplies:

BID FOR: Casting (DPU) 2024

FOR: The Department of: Public Utilities

The Undersigned proposes to furnish the above articles, commodities, materials, supplies, equipment or services ("items"), and to accept as full compensation therefor the price per unit multiplied by the number of units of such items purchased hereunder, (which units and prices therefor are set forth in the Schedule of Items hereto attached and made part of this bid) and subject to any discount set forth in this bid.

The Undersigned further proposes to execute the Contract Agreement and to furnish satisfactory performance bond within ten (10) working days, excluding Saturdays, Sundays and holidays, after notice of award of contract has been received.

The Undersigned further certifies that he (as the individual, firm or corporation making this bid) is not in arrears or default to the City of Cleveland upon any debt or contract, nor is a defaulter as surety or otherwise upon any obligation to said City, nor has failed to perform faithfully any previous contract with said City and that there is no suit or claim pending as to any such arrears or default.

The Undersigned deposits with the bid a Bid Bond to the City of Cleveland signed by a surety company authorized to do business in Ohio, in the sum of \$ _____

or a cashier's check or certified check on a solvent bank in the sum of \$ _____ payable to the City of Cleveland, as security that if he be awarded the contract, he will enter into a written contract and secure the performance of the same by a bond as required of an approved surety company authorized to do business in Ohio and satisfactory to the Director of Law, in the sum equal to the percentage of the total price bid set forth in Part B – General Conditions and in conformity with the provisions of The Codified Ordinances of Cleveland, Ohio 1976.

The Undersigned further agrees that if the bid is accepted and contract awarded and he shall fail to execute said contract and furnish the satisfactory bond, as required, within the time above specified, then the City may, at its option, declare the contract abandoned and this bid null and void. Thereupon the penal sum of the Bid Bond shall become due to the City, or the certified or cashier's check shall be forfeited to and become the property of the City as liquidated damages. Otherwise, the Bid Bond or the certified or cashier's check, or the amount of such check shall be returned to the Undersigned.

THE UNDERSIGNED UNDERSTANDS THAT THE CITY RESERVES THE RIGHT TO REJECT ANY OR ALL BIDS.

The firm, corporation, or individual name _____
MUST BE SIGNED IN SPACE INDICATED. Complete: *CORPORATION OR FIRM*
ERASURES MAY INVALIDATE THIS BID.

Sign Here By _____

If the bidder is a firm or corporation, the title of the officer signing and the State in which Incorporated must be indicated. _____
TITLE OF OFFICER

BUSINESS ADDRESS OF BIDDER

STATE OF INCORPORATION

City of Cleveland Division of Purchases and Supplies 128 City Hall Cleveland, Ohio 44114				BIDDER MUST COMPLETE AND SIGN BELOW		
TITLE OF BID Castings (DPU) 2024				NAME OF FIRM		
ORDINANCE NO. 1630-92, Sec.'s 129.25, 129.26 & 129.27	PASSED: September 21, 1992	SIGNED: September 25, 1992	STREET ADDRESS			
DEPARTMENT Public Utilities	DIVISION Various		CITY	STATE	ZIP CODE	
CITY RECORD ADVERTISEMENT DATES		<input checked="" type="checkbox"/> STANDARD CONTRACT BID <input type="checkbox"/> REQUIREMENT CONTRACT BID	AUTHORIZED SIGNATURE			
BUYER Division of Purchases and Supplies (216) 664-2620 purchasing@clevelandohio.gov		BID OPENING: 12:00 O'CLOCK NOON OFFICIAL TIME	DATE:			
DESCRIPTION			QTY	UOM	UNIT PRICE	EXTENSION
Group 1 - Casting Items - Cleveland Public Power (CPP)						
1 Standard CPP Round MH (Ring + Cover)(Sidewalk-Type) (complete as specified)(Dwg. 2371-A) Manufacturer: _____ Part Number: _____			5	Sets	\$ _____	\$ _____
2 Standard CPP Round MH (Ring + Cover)(Street-Type) (complete as specified)(Dwg. 2371-A) Manufacturer: _____ Part Number: _____			5	Sets	\$ _____	\$ _____
3 Standard CPP Round Manhole (Cover Only) (complete as specified)(Dwg. 2371-A) Manufacturer: _____ Part Number: _____			100	Ea.	\$ _____	\$ _____
4 Standard CPP Square MH (Frame+Cover)(Sidewalk-Type) (complete as specified)(Dwg. 2346-A) (NF#1869 or Approved Equivalent) Manufacturer: _____ Part Number: _____			5	Sets	\$ _____	\$ _____
5 Standard CPP Square MH (Frame+Cover)(Street-Type) (Complete as specified) (Dwg. 2346-A) (EJ#8445Z/8445A or NF#1868 or Approved Equivalent) Manufacturer: _____ Part Number: _____			5	Sets	\$ _____	\$ _____
THE CONTRACT, IF ANY, SHALL BE FOR A PERIOD OF TWO (2) YEARS WITH TWO (2) ONE-YEAR OPTIONS TO RENEW. (See Section C3 and C12 for details)					Delivery (Days)	Payment Discount
ALL OF THIS BOUND INFORMATION MUST BE KEPT INTACT AND, TOGETHER WITH ANY ADDENDA ISSUED, MUST BE RETURNED WITH THE BID. OTHERWISE, THE BID MAY BE CONSIDERED INFORMAL.					% Days	For Purchasing use Only

TITLE OF BID		NAME OF FIRM		
Castings (DPU) 2024				
AUTHORIZED SIGNATURE		DATE		
DESCRIPTION	QTY	UOM	UNIT PRICE	EXTENSION
Group 1 - Casting Items - Cleveland Public Power (CPP) - Cont'd				
6 Standard CPP Square Manhole (Cover Only) (complete as specified)(Dwg. 2346-A) (EJ#8445A or NF#1868/1869 OR Approved Equivalent) Manufacturer: _____ Part Number: _____	5	Prs.	\$ _____	\$ _____
7 Large (36" Diameter) CPP Manhole (Ring + Cover) (complete as specified)(Dwg. 8507.5) (EJ#1585(Z1/BVH) or NF#1752 OR Approved Equivalent) Manufacturer: _____ Part Number: _____	20	Sets	\$ _____	\$ _____
8 Large (36" Diameter) CPP Manhole (Cover Only) (complete as specified)(Dwg. 8507.5) (EJ#1585-BVH or NF#1752 OR Approved Equivalent) Manufacturer: _____ Part Number: _____	20	Ea.	\$ _____	\$ _____
9 Miscellaneous - Line Item Allocation for - Casting Items - Cleveland Public Power (CPP) Items Not Specifically Listed on Group "1" - Written Estimate must be submitted and Approved Prior to Shipment or approved equal. Available only to bidders with full group bid.	Discount		_____ %	\$25,000.00
Total Group 1 (Items 1-9)			\$ _____	\$ _____
Group 2 - Casting Items - Cleveland Division of Water (CWD)				
1 Manhole Ring No. 1 without cover (as specified) (Dwg. C-891) (wt. 60#) Manufacturer: _____ Part Number: _____	100	Ea.	\$ _____	\$ _____
2 Cover for Manhole Ring No. 1 (as specified) (Dwg. C-891) (wt. 45#) Manufacturer: _____ Part Number: _____	100	Ea.	\$ _____	\$ _____
3 Manhole Ring No. 2 without cover, (as specified) (Dwg. C-482) (wt.95#) Manufacturer: _____ Part Number: _____	400	Ea.	\$ _____	\$ _____
THE CONTRACT, IF ANY, SHALL BE FOR A PERIOD OF TWO (2) YEARS WITH TWO (2) ONE-YEAR OPTIONS TO RENEW. (See Section C3 and C12 for details)			Delivery (Days)	Payment Discount
ALL OF THIS BOUND INFORMATION MUST BE KEPT INTACT AND, TOGETHER WITH ANY ADDENDA ISSUED, MUST BE RETURNED WITH THE BID. OTHERWISE, THE BID MAY BE CONSIDERED INFORMAL.				% Days
			For Purchasing use Only	

TITLE OF BID		NAME OF FIRM		
Castings (DPU) 2024				
AUTHORIZED SIGNATURE		DATE		
DESCRIPTION	QTY	UOM	UNIT PRICE	EXTENSION
Group 2 - Casting Items - Cleveland Division of Water (CWD) - Cont'd				
4 Cover for Manhole Ring No. 2 (as specified) (Dwg. C-482) (wt.65#) Manufacturer: _____ Part Number: _____	400	Ea.	\$ _____	\$ _____
5 Manhole Ring No. 3 without cover, (as specified) (Dwg. C-876) (wt.426#) Manufacturer: _____ Part Number: _____	80	Ea.	\$ _____	\$ _____
6 Cover for Manhole Ring No. 3 (as specified) (Dwg. C-876) (wt.175#) Manufacturer: _____ Part Number: _____	80	Ea.	\$ _____	\$ _____
7 Manhole Ring SM-31-A without cover (as specified) (Dwg.SM-31 + SM-3302) (wt.795#) Manufacturer: _____ Part Number: _____	8	Ea.	\$ _____	\$ _____
8 Top Cover for Manhole Ring SM-31-A (as specified) (Dwg.SM-31 + SM-3302) (wt.305#) Manufacturer: _____ Part Number: _____	8	Ea.	\$ _____	\$ _____
9 Inside Cover for Manhole Ring SM-31-A (as specified) (Dwg.SM-31 + SM-3302) (wt.66#) Manufacturer: _____ Part Number: _____	8	Ea.	\$ _____	\$ _____
10 Manhole Ring SM-31-B without cover (as specified) (Dwg.SM-31 + SM-3302) (wt.516#) Manufacturer: _____ Part Number: _____	20	Ea.	\$ _____	\$ _____
11 Top Cover for Manhole Ring SM-31-B (as specified)(Dwg.SM-31 + SM-3302)(wt.176#) Manufacturer: _____ Part Number: _____	20	Ea.	\$ _____	\$ _____
THE CONTRACT, IF ANY, SHALL BE FOR A PERIOD OF TWO (2) YEARS WITH TWO (2) ONE-YEAR OPTIONS TO RENEW. (See Section C3 and C12 for details)			Delivery (Days)	Payment Discount
ALL OF THIS BOUND INFORMATION MUST BE KEPT INTACT AND, TOGETHER WITH ANY ADDENDA ISSUED, MUST BE RETURNED WITH THE BID. OTHERWISE, THE BID MAY BE CONSIDERED INFORMAL.				% Days
			For Purchasing use Only	

TITLE OF BID Castings (DPU) 2024			NAME OF FIRM	
AUTHORIZED SIGNATURE			DATE	
DESCRIPTION	QUANTITY	UOM	UNIT PRICE	EXTENSION
Group 2 - Casting Items - Cleveland Division of Water (CWD) - Cont'd				
12 Inside Cover for Manhole Ring SM-31-B (as specified) (Dwg.SM-31 + SM-3302) (wt.90#) Manufacturer: _____ Part Number: _____	20	Ea.	\$ _____	\$ _____
13 19-13/16" OD x 1" thick, Meter Lid, #2 (as specified) (Dwg. 367-5631) Manufacturer: _____ Part Number: _____	300	Ea.	\$ _____	\$ _____
14 25.5 -1/4" OD x 2" thick, Meter Lid (as specified) (Dwg. 367-5685) Manufacturer: _____ Part Number: _____	400	Ea.	\$ _____	\$ _____
15 25-1/2" OD x 1-1/4" thick, Meter Lid, #3 (as specified) (Dwg. 367-5527) Manufacturer: _____ Part Number: _____	400	Ea.	\$ _____	\$ _____
16 Miscellaneous - Line Item Allocation for - Casting Items - Cleveland Division of Water (CWD) Items Not Specifically Listed on Group "2" - Written Estimate must be submitted and Approved Prior to Shipment or approved equal. Available only to bidders with full group bid.	Discount		_____ %	\$25,000.00
Total Group 2 (Items 1-16)			\$	\$
Group 3 - Casting Items - Water Pollution Control (WPC)				
1 NSCB (Frame) (complete as specified) (Dwg.BSM-1) Manufacturer: _____ Part Number: _____	400	Ea.	\$ _____	\$ _____
2 NSCB (Curb Box) (complete as specified) (Dwg.BSM-2) Manufacturer: _____ Part Number: _____	425	Ea.	\$ _____	\$ _____
3 NSCB (Grate) (complete as specified) (Dwg.BSM-5) Manufacturer: _____ Part Number: _____	600	Ea.	\$ _____	\$ _____
4 Manhole Cover (Open Grate) (complete as specified) (Dwg.BSM-6) Manufacturer: _____ Part Number: _____	200	Ea.	\$ _____	\$ _____
THE CONTRACT, IF ANY, SHALL BE FOR A PERIOD OF TWO (2) YEARS WITH TWO (2) ONE-YEAR OPTIONS TO RENEW. (See Section C3 and C12 for details)			Delivery (Days)	Payment Discount
ALL OF THIS BOUND INFORMATION MUST BE KEPT INTACT AND, TOGETHER WITH ANY ADDENDA ISSUED, MUST BE RETURNED WITH THE BID. OTHERWISE, THE BID MAY BE CONSIDERED INFORMAL.				% Days
			For Purchasing use Only	

TITLE OF BID		NAME OF FIRM		
Castings (DPU) 2024				
AUTHORIZED SIGNATURE		DATE		
DESCRIPTION	QTY	UOM	UNIT PRICE	EXTENSION
Group 3 - Casting Items - Water Pollution Control (WPC) - Cont'd				
5 Manhole Cover (Solid) (complete as specified) (Dwg.BSM-8) Manufacturer: _____ Part Number: _____	600	Ea.	\$ _____	\$ _____
6 Manhole Frame (complete as specified) (Dwg.BSM-9) Manufacturer: _____ Part Number: _____	350	Ea.	\$ _____	\$ _____
7 County (Hood) Style CB (Cover) (complete as specified) (Dwg.241ME) Manufacturer: _____ Part Number: _____	200	Ea.	\$ _____	\$ _____
8 County (Hood) Style CB (Frame) (complete as specified) (Dwg.241ME) Manufacturer: _____ Part Number: _____	100	Ea.	\$ _____	\$ _____
9 Special Cast Iron Inlet Basin (Cover) (complete as specified) (Dwg.527M) Manufacturer: _____ Part Number: _____	100	Ea.	\$ _____	\$ _____
10 Special Cast Iron Inlet Basin (Frame) (complete as specified) (Dwg.527M) Manufacturer: _____ Part Number: _____	60	Ea.	\$ _____	\$ _____
11 MH Cover (26" diameter-1" thick) for 4'x4' Stone Slab (complete as specified) (Dwg.BSM-4) Manufacturer: _____ Part Number: _____	350	Ea.	\$ _____	\$ _____
12 MH Frame (complete as specified) (EJ#1720 or Approved Equivalent) Manufacturer: _____ Part Number: _____	25	Ea.	\$ _____	\$ _____
13 Manhole Cover (Open Grate) (complete as specified) (EJ#1720-P or Approved Equivalent) Manufacturer: _____ Part Number: _____	25	Ea.	\$ _____	\$ _____
THE CONTRACT, IF ANY, SHALL BE FOR A PERIOD OF TWO (2) YEARS WITH TWO (2) ONE-YEAR OPTIONS TO RENEW. (See Section C3 and C12 for details)			Delivery (Days)	Payment Discount
ALL OF THIS BOUND INFORMATION MUST BE KEPT INTACT AND, TOGETHER WITH ANY ADDENDA ISSUED, MUST BE RETURNED WITH THE BID. OTHERWISE, THE BID MAY BE CONSIDERED INFORMAL.				% Days
			For Purchasing use Only	

TITLE OF BID		NAME OF FIRM			
Castings (DPU) 2024					
AUTHORIZED SIGNATURE		DATE			
DESCRIPTION	QUANTITY	UOM	UNIT PRICE	EXTENSION	
Group 3 - Casting Items - Water Pollution Control (WPC) - Cont'd					
14 Inlet Grates (Round) (complete as specified) (EJ#1730-M2 or Approved Equivalent) Manufacturer: _____ Part Number: _____	20	Ea.	\$ _____	\$ _____	
15 Inlet Grates (Rectangular) (complete as specified) (EJ#7350-M2 or Approved Equivalent) Manufacturer: _____ Part Number: _____	20	Ea.	\$ _____	\$ _____	
16 Inlet Frames (complete as specified) (EJ#7350-M2 or Approved Equivalent) Manufacturer: _____ Part Number: _____	20	Ea.	\$ _____	\$ _____	
17 Inlet Grate (type 1 curb & gutter) (complete as specified) (EJ#7370 or Approved Equivalent) Manufacturer: _____ Part Number: _____	25	Ea.	\$ _____	\$ _____	
18 Inlet Frame (type 1 curb & gutter) (complete as specified) (EJ#7370 or Approved Equivalent) Manufacturer: _____ Part Number: _____	25	Ea.	\$ _____	\$ _____	
19 CB Frame (complete as specified) (EJ#7035 or Approved Equivalent) Manufacturer: _____ Part Number: _____	30	Ea.	\$ _____	\$ _____	
20 CB Cover (Open Grate) (complete as specified) (EJ#7030-M2 or Approved Equivalent) Manufacturer: _____ Part Number: _____	125	Ea.	\$ _____	\$ _____	
21 CB Backs (Curb Box) (complete as specified) (EJ#7030-T1 or Approved Equivalent) Manufacturer: _____ Part Number: _____	30	Ea.	\$ _____	\$ _____	
22 Inlet Frame (type 1 curb & gutter) (complete as specified) (EJ#7390-Z or Approved Equivalent) Manufacturer: _____ Part Number: _____	30	Ea.	\$ _____	\$ _____	
THE CONTRACT, IF ANY, SHALL BE FOR A PERIOD OF TWO (2) YEARS WITH TWO (2) ONE-YEAR OPTIONS TO RENEW. (See Section C3 and C12 for details)			Delivery (Days)	Payment Discount	
ALL OF THIS BOUND INFORMATION MUST BE KEPT INTACT AND, TOGETHER WITH ANY ADDENDA ISSUED, MUST BE RETURNED WITH THE BID. OTHERWISE, THE BID MAY BE CONSIDERED INFORMAL.				% Days	
			For Purchasing use Only		

TITLE OF BID		NAME OF FIRM			
Castings (DPU) 2024					
AUTHORIZED SIGNATURE		DATE			
DESCRIPTION	QUANTITY	UOM	UNIT PRICE	EXTENSION	
Group 3 - Casting Items - Water Pollution Control (WPC) - Cont'd					
23 Inlet Grate (type 1 curb & gutter) (complete as specified) (EJ#7390-M3 or Approved Equivalent) Manufacturer: _____ Part Number: _____	30	Ea.	\$ _____	\$ _____	
24 Adjustable Steel Riser (complete as specified) 1700 H Manhole Riser 1' - 2716S (M5255020104A or Approved Equivalent) Manufacturer: _____ Part Number: _____	25	Ea.	\$ _____	\$ _____	
25 Adjustable Steel Riser 1 1/2" (complete as specified) 1700 H Manhole Riser 1 1/2" - 3416S (M5255020154A or Approved Equivalent) Manufacturer: _____ Part Number: _____	25	Ea.	\$ _____	\$ _____	
26 Adjustable Steel Riser 2" (complete as specified) 1700 H Manhole Riser 2" - 4216S (M5255020204A or Approved Equivalent) Manufacturer: _____ Part Number: _____	25	Ea.	\$ _____	\$ _____	
27 Adjustable Steel Riser (complete as specified) 7380 H Catch Basin Riser 1" - 2516S (M5232520104A or Approved Equivalent) Manufacturer: _____ Part Number: _____	25	Ea.	\$ _____	\$ _____	
28 Adjustable Steel Riser (complete as specified) 7380 Catch Basin Riser 1 1/2" - 3216S (M5232520154A or Approved Equivalent) Manufacturer: _____ Part Number: _____	25	Ea.	\$ _____	\$ _____	
29 Wear Plate Cover (complete as specified) (EJ#8650-A or Approved Equivalent) Manufacturer: _____ Part Number: _____	15	Ea.	\$ _____	\$ _____	
30 Wear Plate Frame (complete as specified) (EJ#8650-Z or Approved Equivalent) Manufacturer: _____ Part Number: _____	15	Ea.	\$ _____	\$ _____	
THE CONTRACT, IF ANY, SHALL BE FOR A PERIOD OF TWO (2) YEARS WITH TWO (2) ONE-YEAR OPTIONS TO RENEW. (See Section C3 and C12 for details)			Delivery (Days)	Payment Discount	
ALL OF THIS BOUND INFORMATION MUST BE KEPT INTACT AND, TOGETHER WITH ANY ADDENDA ISSUED, MUST BE RETURNED WITH THE BID. OTHERWISE, THE BID MAY BE CONSIDERED INFORMAL.				% Days	
			For Purchasing use Only		

TITLE OF BID Castings (DPU) 2024		NAME OF FIRM		
AUTHORIZED SIGNATURE		DATE		
DESCRIPTION	QUANTITY	UOM	UNIT PRICE	EXTENSION
Group 3 - Casting Items - Water Pollution Control (WPC) - Cont'd				
31 Composite Manhole Cover (25-1/4" x 2" Lid) (complete as specified) (Dwg. Composite MH covers sewer & Pentagon key) Manufacturer: _____ Part Number: _____	15	Ea.	\$ _____	\$ _____
32 Pentagon Key (complete as specified) (Dwg. Composite MH covers sewer & Pentagon key) Manufacturer: _____ Part Number: _____	15	Ea.	\$ _____	\$ _____
33 Miscellaneous - Line Item Allocation for - Casting Items - Water Pollution Control (WPC) Items Not Specifically Listed on Group "3" - Written Estimate must be submitted and Approved Prior to Shipment or approved equal. Available only to bidders with full group bid.	Discount		_____ %	\$25,000.00
Total Group 3 (Items 1-33)			\$	\$
TOTAL BID – ALL ITEMS			\$	\$
THE CONTRACT, IF ANY, SHALL BE FOR A PERIOD OF TWO (2) YEARS WITH TWO (2) ONE-YEAR OPTIONS TO RENEW. (See Section C3 and C12 for details)			Delivery (Days)	Payment Discount
ALL OF THIS BOUND INFORMATION MUST BE KEPT INTACT AND, TOGETHER WITH ANY ADDENDA ISSUED, MUST BE RETURNED WITH THE BID. OTHERWISE, THE BID MAY BE CONSIDERED INFORMAL.				% Days
			For Purchasing use Only	

GENERAL CONDITIONS

- B-1 CONSIDERATION OF BIDS.**
All bids received in conformity with the Invitation to Bid shall be endorsed with the contract or advertisement name or number and name and address of the bidder. All bids, immediately after being read, shall be tabulated and summarized and shall become public record in the office of the Commissioner of Purchases and Supplies.
- B-2 UNACCEPTABLE BIDS.**
No bid will be accepted from, nor a contract awarded to, any person, firm or corporation that is in arrears or is in default to the City upon any debt or contract, or is a defaulter as surety or otherwise upon any obligation to the City, or has failed to perform faithfully on any previous contract with the City of Cleveland.
- B-3 REJECTION OR ACCEPTANCE OF BIDS.**
The City through the Board of Control shall have the right to reject any or all bids, parts of such bid, and reserves the right to waive any informalities in the bid. In addition to bid price and discount, the City reserves the right to consider all elements entering into the question of determining the responsibility of the bidder. Any bid which is incomplete, conditional, obscure, contains additions not called for, or irregularities of any kind, may be cause for rejection of the bid.
- B-4 EVIDENCE OF ABILITY TO FULFILL CONTRACT.**
Bidders must present evidence to the Commissioner of Purchases and Supplies, when required by him to do so, to show they are fully competent and have the necessary source of supply, facilities and pecuniary resources to fulfill the conditions of the contract and specifications.
- B-5 WITHDRAWAL OF BID.**
No bid may be withdrawn after it has been deposited with the Commissioner of Purchases and Supplies.
- B-6 TIME OF AWARD.**
The Board of Control of the City of Cleveland shall make an award or reject all bids not later than the second regular meeting of said Board following the opening of bids, unless further time is required to analyze bids, to investigate responsibility of any bidder, or in the absence of a time limitation for acceptance set forth in the bid.
Any extension of time beyond the date fixed by the successful bidder or the fourth regular meeting of the Board of Control, whichever event shall occur first, shall be subject to agreement between said bidder and the Board.
- B-7 AWARD CONTRACT.**
No contract shall be awarded without the approval of the Board of Control, and then only to the lowest and best bidder.

B-8 PERFORMANCE BOND.

A. Contracts for the purchase of articles, supplies, commodities, materials, equipment or services shall be secured by a bond in the form and content prescribed by and acceptable to the Director of Law, with good and sufficient sureties and in an amount equal to at least twenty-five percent (25%) of the contract price on materials supplied and at least fifty percent (50%) of the contract price on services supplied. A check is not acceptable in place of a performance bond. A performance bond is not required for standard purchase and requirements contracts awarded in the amount of \$500,000.00 or less, except that standard purchase and requirements contracts that are labor and materials contracts including, but not limited to painting, carpentry, plumbing, electrical, masonry, landscaping, snow plowing, fencing and trucking over \$100,000 but not more than \$250,000 shall require a bond of at least twenty-five percent of the contract price, and over \$250,000 but not more than \$500,000 shall require a bond of at least fifty percent of the contract price. The above policy notwithstanding, the City of Cleveland reserves the right to require a performance bond in various amounts or to modify the performance bond requirement whenever it is determined to be in the best interest of the City of Cleveland to do so.

B. No performance bond is required for any contract awarded pursuant to this Invitation to Bid in an amount of \$500,000.00 or less. Any contract over \$500,000.00 would require a Performance Bond for 25% of the contract amount.

B-9 RELEASE OF BOND.

Whenever a performance bond is required, the performance bond will not be released until all the provisions of the contract have been fulfilled.

B-10 CANCELLATION OF CONTRACT.

The City shall have the right to cancel this contract on five (5) days written notice if, in the opinion the Commissioner of Purchases and Supplies, the delivery of materials, supplies or equipment or the performance of work or services are not in accordance with contract specifications and the contractor fails to cure such deficiencies or comply with the contract specifications within ten (10) days after receipt of notice of default from the City, except where fulfillment of its obligation requires activity over a period of time and it has, within ten (10) days of the default notice commenced such activity. Additionally, the City shall have the right to cancel this contract, without cause, upon fifteen (15) days written notice upon the determination of the Board of Control of the City, expressed through its resolution, to do so.

B-11 SUBCONTRACTING OR ASSIGNMENT OF CONTRACT.

a. The contractor shall not subcontract, sublet, assign, transfer, convey or otherwise dispose of the contract, its duties, rights, title or interest in it or in any part thereof, or assign, by power of attorney or otherwise, any of the monies due or to become due under the contract, except, in each instance, with the prior written authorization of the Board of Control of the City, expressed through its resolution, and then only upon such terms and conditions as may be agreed to by said Board. No such subcontracting, subletting, assignment, transfer, conveyance or other disposal of the contract shall be valid until filed in the office of the Commissioner of Accounts.

b. Prior written Board of Control consent is required for a City contractor to add a subcontractor, or to substitute one subcontractor for another subcontractor, under a City contract.

c. The City assumes no obligation to pay, and will not pay, a contractor for any work and or services performed by a sub-contractor on the contract prior to Board of Control approval of that sub-contractor.

d. The Director will not grant any City contractor additional time to meet project deadlines, and will not authorize or pay additional compensation or delay damages of any kind arising from the contractor's inability to add or substitute a subcontractor because the contractor failed to submit the approval request and supporting documentation at least 3 (three) weeks in advance of the date the additional or substitute sub-contractor is needed.

e. The Office of Equal Opportunity shall evaluate each subcontractor addition and substitution for increased CSB, MBE, or FBE participation even if the original contract had no certified sub-contractor participation.

f. The City's Sub-contractor Addition and Substitution Policy and Procedure is hereby incorporated by reference in its entirety. The complete document is available online at the City of Cleveland website: <http://www.city.cleveland.oh.us>.

B-12 DELAY FOR CAUSES BEYOND CONTROL.

If the contractor is delayed in complying with the terms of the contract by strikes, lockouts, fire, unusual delay by common carriers, unavoidable casualties, or any cause beyond the contractor's control including orders, limitations or restrictions of any Governmental agency having jurisdiction over the subject matter of the contract, or by delay authorized by the City, or for any cause by which the director shall decide to justify the delay; then for all such delays and suspensions, the contractor shall be allowed one calendar day extension beyond the time fixed for compliance with the terms of the contract for each and every calendar day of such delay so caused in the completion of the work, the same to be ascertained by the director.

B-13 PATENTS.

The Contractor shall be required to pay all royalties and license fees and shall hold and save the City and its officers, agents, servants and employees harmless from liability of any nature or kind, including cost and expenses, for or on account of any patented or unpatented invention, process, article, or appliance manufactured or used in the performance of the contract, including its use by the City of Cleveland unless otherwise specifically stipulated in the contract documents. In this respect the contractor shall defend all suits or claims for infringement of any patent or license rights.

B-14 DELIVERY.

The vendor shall adhere to all stipulated delivery terms (e.g., material / service delivery upon a pre-set schedule, upon orders being placed, etc.). All service performance / material deliveries should be made only if the City of Cleveland has issued a valid, open Purchase Order (PO) with a sufficient free balance to

cover the full costs of the service being performed or materials being delivered. The City will not pay vendors for goods or services that are either delivered to the City under an invalid or unauthorized PO or were ordered using an expired contract. The City is not responsible for, and will not pay for, goods or services delivered to the City that are not authorized under the PO and contract under which a sale was purportedly made. Therefore, the vendor must not perform any services nor deliver any materials without a valid, open PO that authorizes the services / materials and that carries a sufficient free balance to cover the services / materials.

Upon delivery, some form of delivery documentation must be left with the City of Cleveland Department. For service performed, some Proof of Service documentation must be given to a City employee. For materials delivered, some Proof of Delivery or Packing Slip must be given to a City employee. In all instances, the delivery documentation must be signed and dated by a City employee in order to substantiate the services provided or materials delivered were as indicated on the documentation. City employees are charged with performing this verification, so vendors should allow adequate time for this review to occur. Failure to provide some delivery documentation, which received a City signature and date upon delivery, may result in payment delays.

B-15 LABORATORY TEST.

The City of Cleveland reserves the right to test all materials, equipment or supplies delivered during the life of the contract, at an independent laboratory to be designated by the Commissioner of Purchases and Supplies of the City of Cleveland. Where the result of such test shows the materials, equipment or supplies are not equal to the specifications, then the expense of making such test shall be paid by the contractor.

B-16 FAILURE TO MEET SPECIFICATIONS.

The delivery of any material, supplies or equipment or the performance of any work or services under the contract which do not conform to contract specifications will be rejected and the contractor notified immediately in writing of such rejection and the reason therefore. If the time for performance has not expired, and the contractor wishes to remedy the deficient materials, supplies or equipment or performance, it may notify the Commissioner of Purchases and Supplies of its intention to cure and may within ten (10) days make a conforming delivery of performance unless such time is extended in writing by said Commissioner. If said contractor fails to replace such nonconforming materials, supplies or equipment or otherwise cure such deficient performance of work or services, the City of Cleveland will purchase such materials, supplies or equipment or obtain the performance of such work or services of the character required on the open market or in case of work and services, by performance by City employees. In such event, the contractor and his surety shall be liable to the City for any excess costs and expenses thereby incurred.

B-17 SAFEGUARDS.

Any equipment to be furnished by the terms of this bid, shall be provided with safety controls, guards, and housing meeting the requirements of the safety standards of the Industrial Commission and the Department of Industrial Relations of Ohio, and the cost shall be included as part of the bid.

B-18 STATE OR FEDERAL TAXES.

- a. The City of Cleveland is exempt from all sales, excise and transportation taxes, except State of Ohio gasoline tax. The price or prices bid shall be exclusive of all such taxes and will be so construed.
- b. The contract price is subject to increase by the amount of any additional tax imposed by the Federal Government or the State of Ohio subsequent to the receipt of bids. Such claim for increased prices must be presented to the City within thirty (30) days after such tax becomes effective and supported by evidence satisfactory to the Director of Law.
- c. The contract price is subject to reduction by that amount by which an applicable tax is reduced during the period of the contract.

B-19 SOCIAL SECURITIES ACT/EMPLOYEES BENEFIT PAYMENTS.

The contractor shall be and remain an independent contractor with respect to all services performed under said contract, and agrees to and accepts full and exclusive liability for the payment of any and all contributions or taxes for social security, unemployment insurance, old age retirement benefits, pensions, or annuities now or hereafter imposed under any state or federal law, which are measured by the terms of this contract and further agrees to obey all lawful rules and regulations and to meet all lawful requirements which are now or hereafter may be issued or promulgated under said respective laws by and duly authorized state or federal officials and said contractor also agrees to indemnify and save harmless the City of Cleveland from an such contributions or taxes or liability therefore.

B-20 FREIGHT ON DIRECT SHIPMENTS TO THE CITY.

The freight prices made in the bid are to be in accordance with lawful freight or cartage charges in existence at the time the bid is made, and contract prices shall be increased or decreased by changes in the freight or cartage rates, provided that claims for additional freight or cartage be presented to the City of Cleveland within thirty (30) days after said advance in freight or cartage rates becomes effective. Reductions in freight or cartage prices will be deducted from the contract price.

B-21 INVOICING AND PAYMENT.

The Contractor shall submit invoices that appropriately reflect the work performed. Original invoices must be typed and legible. The City of Cleveland does not pay from duplicates or copies. Each invoice must be mailed as specified below:

- Original invoice to address as shown on Purchase Order under "BILL TO:"
- Optional: Copy of invoice to the City of Cleveland, Division of Accounts, 601 Lakeside Avenue, Cleveland, OH 44114, clearly marked "COPY".
- Address invoice questions first to the ordering department. The Division of Accounts will assist if the Department is unable to resolve the question.

The failure to deliver copies of invoices to the indicated location may lead to delays in payment.

Invoices submitted by the Contractor for payment must include the following information:

- Contractor Name, as it appears on the Contract;
- Contractor Mailing Address;
- Contractor Telephone Number;
- Contractor Facsimile Number;
- Contract Number;
- Purchase Order (PO) Number under which the work being invoiced was authorized;
- Contractor Invoice Number, which must be a unique (non-recurring) number;
- Invoice Date, reflecting the date that the invoice itself was issued to ;
- Timeframe that the invoice covers;
- A detailed itemization of labor and materials provided, including:
 - Date that work was performed / material delivered,
 - Location for each item of service performed / material delivered,
 - Line Item Number from the Contract's Schedule of Items (SOI) that is being invoiced,
 - Quantity of items being invoiced under each Line Item,
 - Unit Cost of each Line Item,
 - Extended Cost by each Line Item.
- delivery documentation (e.g., Proof of Service / Delivery slip, Packing Slip, etc.) with an acknowledgement signature and date from a City of Cleveland employee;

The City of Cleveland is not subject to sales tax per Section 5739.01 (B)(1) O.R.C. Therefore invoices must not charge sales tax. The City's Tax Exemption Number is 34-6000646. Tax Exemption Certificates are available upon request from the Division of Purchases and Supplies.

Any applicable discounts, as stipulated through the contract and/or PO, must be itemized and applied to the invoice. Any special instructions contained within the contract must also be followed.

If any invoice is erroneous or does not include the above required information, the City shall inform the supplier as to the reasons thereof and any corrective actions necessary to qualify the invoice for payment by the City. The vendor is responsible for providing the delivery documentation at the time of delivery and for submitting the invoice.

B-22 EQUAL OPPORTUNITY.

This contract is a contract, and contractor is a contractor within the meaning of Chapter 187 of the Codified Ordinances of Cleveland, Ohio 1976. During the term, the contractor shall comply with all terms, conditions and requirements imposed on "contractor" in the Equal Opportunity Clause, Section 187.22(b) of

the Codified Ordinances of Cleveland, Ohio 1976, attached hereto and made a part hereof. A copy of such clause shall be made a part of every subcontract of agreement entered into for goods or services and shall be binding on all persons, firms and corporations with whom the contractor may deal.

PARAGRAPHS B-23 AND B-24 APPLY ONLY IF THE REQUIREMENT CONTRACT BID BLOCK IS MARKED ON BID PAGE 1 OF BID AND ON BID FORM.

B-23 DURATION OF CONTRACT.

The proposed contract shall be effective upon its execution and approval by the Director of Law of the City of Cleveland and, for the purpose of accepting, delivery, shall continue in full force and effect for the period specified in the specifications and/or the Schedule of Items section of the bid, unless otherwise indicated.

B-24 REDUCTION IN PRICES.

The contractor agrees that if the price to the general trade is reduced while the contract is in effect, the City of Cleveland will receive the benefit of such reduction immediately. However, if the contract price is below the price to the general trade at the time the contract is awarded, the reduction provision will be effective only when the recognized price to the general trade reaches a level lower than the contract price or when the contractor reduces his own price to a level lower than the contract price.

B-25 EIGHT-HOUR DAY, MINIMUM WAGE, AND NON-DISCRIMINATION.

The Contractor agrees that it shall comply with the following provisions of the Charter of the City of Cleveland, which are, respectively, as follows:

Section 196. Except in case of extraordinary emergencies; not to exceed eight (8) hours will constitute a day's work and not to exceed forty eight (48) hours a week's work, for any City employee of the City of Cleveland in the classified service thereof, and for any workmen engaged in public work carried on or aided by the municipality whether done by contract or otherwise. The Council shall by ordinance, provide for the enforcement of the provisions of this section.

Section 197. Every contract for public work entered into by the City of Cleveland shall contain, and no contract shall be entered into unless it contains the following stipulations:

The Contractor hereby agrees that all persons employed by him will be paid wages which are not less than are paid by the City of Cleveland for similar or like work; but if said City has not established a rate of wages for any particular class of work to be performed under the terms of this contract, then said employees shall be paid wages not less than are generally paid therefore by others employing union labor in said City.

The Contractor hereby further agrees that in the employment of labor, skilled or unskilled, under the Contract there will be no discrimination exercised against any citizen because of race, color, religion or national origin; and that any violation hereof shall be deemed a material breach of said contract.

B-26 LAWS, PERMITS, AND REGULATIONS

The contractor shall comply with all applicable laws of the Federal government, State, ordinances of the City or other municipality in which the work or services are being done and all applicable regulations and any authorized regulations, and shall be responsible for securing at his own expense any and all licenses, permits and certificates of inspection required by law or by the contract documents.

SERVICES, LABOR & MATERIALS – IF THIS CONTRACT IS FOR WORK, SERVICES, OR LABOR & MATERIALS, B-27, 28 AND B-29 APPLY

B-27 STATE INDUSTRIAL COMPENSATION FOR PURCHASE OF LABOR AND MATERIALS.

If this contract contains labor, whether in part or in all, the contractor shall, in all cases during the term of this contract, subscribe to and comply with the Worker's Compensation Laws of the State of Ohio and pay such premiums as may be required thereunder and to save said City harmless from any and all liability arising from said act. He shall also furnish at the time of delivery of this contract and such other times as may be requested, a copy of the official certificate or receipt showing the payments hereinbefore referred to. A copy of the official certificate or receipt showing the payments hereinbefore referred to, shall be submitted with the bid, or, if not included with the bid, shall be submitted with the signed contract. No work shall be commenced, or payments made, until the certificate or receipt is received by the City. The contractor shall maintain continuous coverage throughout the contract and shall notify the City in writing within 24 hours of receipt of notice of cancellation or reduction of coverage.

B-28 INDEMNITY

Contractor shall indemnify, defend, and hold harmless the City of Cleveland, Ohio, its officers, agents, and employees from all claims, demands, liabilities, loss, suits, causes of action, judgments, costs, and expenses, including attorneys' fees, arising, occurring, or allegedly arising or occurring from personal injury, including death, property damage, including loss of use, or otherwise, to any person or the property of any person, including third parties and employees of any party, as a result of negligent or intentional act or omission by Contractor or its agents, employees, subcontractors or suppliers, in performing work or services or furnishing labor and materials under this contract. This indemnification right is in addition to any other indemnification or contribution right of any indemnified party and shall survive completion of the work or services or furnishing of labor and materials.

B-29 WARRANTY

Contractor warrants, in addition to any other express or implied warranty required by law or the contract, that all work and services performed under this Agreement will be of good quality, free from faults and defects, conform to the contract documents, performed in a workmanlike manner according to good usage and

accepted practice, resulting in a merchantable product, and fit and suitable for their intended purpose, and that materials supplied will be of good quality and free from all defects, latent or patent.

B-30 OHIO CAMPAIGN FINANCE LAW

Pursuant to the Ohio Revised Code, as referenced below, the following language is hereby made a part of this document:

"Contractor hereby certifies that beginning on the date the contract is awarded and extending until one year following conclusion of the contract, all persons identified in Ohio Revised Code Sections 3517.13(I)(3) and 3517.13(J)(3), as applicable, are in compliance with Ohio Revised Code Sections 3517.13(I)(1) and 3517.13(J)(1)."

By submitting a signed sealed bid, those persons signing the document are affirming their compliance with the referenced sections of the Ohio Revised Code, herein incorporated into any contract created pursuant to this Invitation to Bid in its entirety.

B-31 TITLE 48 C.F.R. ETC:

Certification Re: Federal Debarment, Suspension, Ineligibility or Voluntary Exclusion: Title 48 Code of Federal Regulations, Part 9, and other regulations, preclude the City from participating in a covered transaction, as defined in subpart 9.4, with any agency, corporation, partnership, or other legal entity that has been debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded by the Federal Government from participating in transactions involving Federal funds. By signing and submitting this document, the bidder certifies to City that it, its principals, any subcontractors, and subcontractor principals:

- 1) Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded by any Federal department or agency;
- 2) Have not within the three-year period immediately preceding the submission date of this document been convicted of or had a civil judgment rendered against them personally or the company for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State or Local) transaction or contract under a public transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property;
- 3) Are not presently indicted for or otherwise criminally or civilly charged by a government entity (Federal, State or local) with commission of any of the offenses enumerated in paragraph (1)(b) of this certification; or,
- 4) Have not within the three-year period immediately preceding submission date of this document had one or more public transactions (Federal, State or local) terminated for cause or default.

If the bidder is unable to certify to any of these statements in this certification, such prospective participant must attach a written explanation to this bid. Failure or inability to certify to any of these statements may be cause for rejection of the bid.

The Federal Debarred Listing is available at <http://www.epls.gov/>

By submitting a signed sealed bid, those persons signing the document are affirming their compliance with the referenced sections of the Code of Federal Regulations, herein incorporated into any contract created pursuant to this Invitation to Bid in its entirety.

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DEPARTMENT OF PUBLIC UTILITIES - CLEVELAND PUBLIC POWER, WATER AND
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CASTINGS / DPU 2024

SECTION C - SUPPLEMENTAL GENERAL CONDITIONS

C.1. SCOPE OF SERVICES

This specification is to provide one or more REQUIREMENT CONTRACT(S) to furnish and deliver to the various divisions of the Department of Public Utilities, Casting items as described in this specification and as listed on the Bid – Schedule of Items pages.

C.2. CITY FORMS

Failure to submit the following City forms properly **will** cause your bid to be non-responsive.

A. Bid Bond

1. Use the City's Bid Bond form.
2. Follow the instructions in Part B and C of the Bidder's Check List completely.
3. A bid bond is not required if your total bid is \$50,000.00 or less.

B. Bid Form

1. Indicate whether you are submitting a bid bond or a cashier's check / certified check for 5% of your bid total.
2. The information at the bottom of the page must be filled out completely and signed by an officer of the corporation or firm.

C. Affidavit

1. The first three lines of the affidavit must be filled out stating the state, county, and name of the person being sworn.
2. The state on page one must be the same state as the notary's commission stamp that appears at the bottom of page two.
3. Be sure that the proper lines are used on page two for signing for the person that is being sworn.
4. Fill out all necessary information on both sides of the affidavit.

Any other forms that are included in the bid package should also be filled out completely and signed where necessary and returned.

C.3. CONTRACT TERM

The Contract or contracts shall be for a period of Two (2) years, with Two (2) one-year options to renew, exercisable by the Director of the Department of Public Utilities.

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SECTION C - SUPPLEMENTAL GENERAL CONDITIONS

If the City chooses to exercise its options to renew the contract for the additional 2 one-year periods, and a performance bond was a requirement of the original contract, the Contractor shall either provide a new performance bond for the renewal period, or a rider continuing the original performance bond from its' surety company, along with a current Certificate of Insurance, and Worker's Compensation Certificate. Upon receipt of the required documents, the City will issue a Notice to Proceed. The Contractor shall not commence performance of any renewal term unless and until the City, through the Utilities Director, exercises its option to renew and then issues a Notice to Proceed.

C.4. PRE-BID MEETING

- A.** A pre-bid meeting will be held on the date and time as per the advertisement announcement. Bidders are cautioned that questions, clarifications, and information that may result from this meeting could affect your bid. In addition, by City policy, this is the only opportunity for potential bidders to speak directly with CPP personnel prior to the award of the contract. Attendance at the pre-bid meeting is non-mandatory.
- B.** The last day for questions is five (5) business days before the bid opening date. All questions must be submitted in writing to the Division of Purchasing & Supplies' attention, Email: purchasing@clevelandohio.gov, or via fax, 216-664-2177.

C.5. APPROXIMATE QUANTITIES

The quantities of work to be completed or material or equipment to be furnished as given for each item on the Bid-Schedule of Items pages are approximate only. They are not guaranteed to be accurate statements and quantities to be performed or furnished under this contract, and any departure there from will not be considered as valid grounds for any claim for damage or for loss of profits.

C.6. UNIT PRICES

All prices quoted shall be on a per unit basis as indicated on the Bid - Schedule of Items pages and shall include all costs for handling and delivery, F.O.B. point of delivery, including unloading at the designated City facility. The manufacturer's name shall be entered in the proper space on the Bid - Schedule of Items pages as designated. Pricing for the Two (2) year contract shall be firm.

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SECTION C - SUPPLEMENTAL GENERAL CONDITIONS

C.7. METHOD OF AWARD

The City reserves the right to award a single contract for all items, individual items, or by groups to the lowest and best bidder(s) based on price, delivery time, discount offered and conformance to specifications as deemed advantageous after evaluation by the City. To receive an award by group, vendors must bid on all items within the group.

C.8. METHOD OF MAKING AWARD

For castings, each combination of manhole rings and covers shall be of one and the same manufacturer, and the award shall be made to the lowest bidder meeting the requirements of the specifications.

C.9. EVALUATION OF BIDS

The Department of Public Utilities will recommend rejection for bids for improper submittal of documentation, incomplete submittal of documentation and/or unsubstantiated information within submittal. Performance, cost, timeliness, and safety shall be considered as the essence of the contract and/or contracts.

C.10. MATHEMATICAL ERRORS

- A. If a bidder makes any mathematical errors in the old sheets such that some or all of the bid numbers are mathematically inconsistent with each other, the City shall correct such errors as follows. The lowest level values or unit prices shall be deemed as indicating the bidder's true intent and shall be accepted as correct. All further calculations shall then be corrected, and these corrected values shall be cascaded throughout the entire set of bid sheets, potentially affecting the bidder's final bid price. Calculations subject to such correction include, but are not limited to:
1. The summing of labor and material unit prices into a total unit price.
 2. The multiplication of unit price times quantity to arrive at the extension cost.
 3. The summing of individual line items into totals or subtotals.
 4. The multiplication of any subtotals or other values by contingency percentages or other factors, if contingency allowance applies.
 5. The transferring of subtotals or values from one sheet to another.
- B. If the correction of any errors influences the award of the contract, only the directly affected bidders will be notified in writing of the corrections and their effects.

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SECTION C - SUPPLEMENTAL GENERAL CONDITIONS

C.11. MISCELLANEOUS LINE-ITEM ALLOTMENTS

The Contractor shall supply, when required by the Department of Public Utilities, Miscellaneous castings, grates and/or covers of a non-standard nature. These would be available either through a vendor's catalog or in the case that the item in need is no longer manufactured; the miscellaneous castings, grates and/or covers would be manufactured by the Contractor. The items shall be priced at list price less a discount as specified by the bidder on the Bid Schedule of Items pages. A copy of the relevant price list shall accompany the invoice, which shall clearly show the following:

- 1) List Price
- 2) Discount applied as per:
 - Group 1 - Item 9
 - Group 2 - Item 16
 - Group 3 - Item 33
- 3) Net Price

If no price line exists, then Contractor shall show full calculation of how the item would be priced on the general market, and then apply the discount.

The discount provided for this line item must remain in effect through the contract period, as well as the option years, if exercised by The City of Cleveland.

For purchases to be secured from these line items, bidders must show a percentage off list prices or enter an "O" in the space provided on the Bid - Schedule of Item pages, if no discount is being offered. The City of Cleveland will then interpret this to mean that items will be sold to The City of Cleveland at "cost". If a discount is being offered, bidders are to enter the discounted amount in the space provided. Any discount not clearly stated will be disregarded in determining the lowest and best bid, and the price quoted will be considered a net price.

A discount will always be discounted from the original equipment manufacturer's current list price schedules and aftermarket manufacturer's price schedules. Bidders must have access to all manufacturers' materials immediately as needed. The bidder will provide manufacturers price pages, so discount can be verified, at the time of request for quotation.

Bidders will not use any type of price list they have prepared for their business. All prices must be from a bona fide manufacturer of the parts, equipment, materials, service and/or supplies.

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Original equipment manufacturers' products will be used in the vast majority of cases. However, there may be some exceptions. Should a substitute manufacturer's item be of equal quality and significantly lower in cost, DPU may approve its use. However, bidder will never make this assumption without approval by an authorized DPU representative. An substitutions of OEM items must be approved by an authorized DPU representative. Furthermore, bidder will never attempt to provide a substitute manufacturer's items as a means of realizing a greater profit at the expense of The City of Cleveland.

C.12. PERCENTAGE ESCALATOR

The City of Cleveland has included with this bid, a maximum percentage escalator of 5%, which will be applied to the unit prices of the contract items, if the City exercises its' option to renew the contract(s) for the additional periods. Upon receipt of notification from the City that it plans to exercise its' option to renew the contract, the Contractor shall be required to provide to the City, a notarized statement from its' Supplier, affirming the amount of the supplier's increase to the Contractor for those items being supplied to the City. Failure to provide the required documentation will result in the termination of the contract.

C.13. WARRANTY

The successful bidder shall guarantee that the material as furnished shall be free from all inherent defects of design, material, and workmanship. The period of warranty shall be for one year after delivery. The bidder shall rectify entirely at their own expense any inherent defects which may develop in the warranty period. The City of Cleveland will not pay freight or shipping charges.

C.14. DELIVERY

Castings

Manhole covers, pull-boxes, pull-box covers, and fiberglass grating shall be delivered without any additional charge for delivery. The vendors shall deliver the materials in an open truck during regular working hours and to the locations listed below. Employees of the various City Divisions shall pick up the items from the end of the truck and place them on the stockpile.

All items of a size which makes them hard to handle or are heavy are to be delivered in trucks with a sliding top or canvas cover to facilitate unloading by crane.

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SECTION C - SUPPLEMENTAL GENERAL CONDITIONS

CLEVELAND PUBLIC POWER

- Location: Various Cleveland Public Power storage sites. Call the Storekeeper at (216) 664-4200 twenty-four (24) hours before date of delivery to obtain address for receipt of materials.
- Hours of Operation: 8:30 AM to 3:30 PM daily, (Saturdays, Sundays and Holidays excluded).

CLEVELAND DIVISION OF WATER

- Location: Division of Water stockpile, Harvard Storeroom. 4600 Harvard Avenue, Cleveland, Ohio 44105. A 24-hour advance notice of delivery must be given to the storeroom (216) 348-7277.
- Hours of Operation: 8:00 AM to 3:00 PM daily (Saturdays, Sundays and Holidays excluded).

WATER POLLUTION CONTROL

- Location: Water Pollution Control, Sewer Maintenance Yard, 12302 Kirby Avenue. A 24-hour advance notice of delivery must be given to the storeroom (216) 664-2785.
- Hours of Operation: 8:30 AM and 2:30 PM daily (Saturdays, Sundays and Holidays excluded).

Storekeepers may refuse delivery of any items which do not meet the above-stated conditions or the contractual requirements.

C.15. INVOICING AND PAYMENT (Supplemental to General Condition B-21)

A. INVOICING

The vendor shall submit invoices that appropriately reflect the material provided. Invoices must be typed and legible. Each invoice must be mailed as specified below:

Original invoice to the Department of Public Utilities,
ATTN: Payable Unit, 1201 Lakeside Avenue, 4th Floor South,
Cleveland, OH 44114.
The email address is: payables_unit@clevelandwater.com

1. The failure to deliver copies of invoices to the indicated location may lead to delays in payment.
2. A copy of the invoice should be delivered to the Utilities location as listed on the delivery orders.

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B. PAYMENT

3. The vendor must adhere to the terms set forth above and under C-14 Delivery and C-15 Invoicing. Each division will review their invoices upon receiving them. In order to perform this review, each division requires all of the following documents;
 4. Relevant sections (e.g., the Schedule of Items section) of the contract with vendor;
 5. A City of Cleveland Delivery Order (DO) that authorized the specific materials being invoiced;
 6. Delivery documentation (e.g., Delivery Slip, Packing Slip, etc.), with an acknowledgement signature and date from a CPP employee; and
 7. An accurate invoice.
- The vendor is responsible for providing the delivery documentation at the time of delivery and for submitting the invoice. The City will provide the contract and DO copies. Employees will use the above four documents to perform cross-checks to ensure accuracy in invoicing. If all is in order (e.g., delivered / invoiced items were authorized under the contract and DO, invoice quantities were delivered, contract prices were invoiced, discounts applied, etc.), The designated division will approve payment of the invoice through the City's internal processes. The City's Division of Account subsequently handles processing of the payment request, and the Division of Treasury issues the payment.

C.16. PREFERENCE FOR RECYCLED MATERIALS

Whenever the total price submitted by a bidder who includes recycled products and materials do not exceed by more than 5% the lowest price bid without recycled products and materials, that bid will be given preference provided that those recycled products and materials are readily procurable and are of equal or superior quality to products and materials made from non-recycled components.

C.17. PUBLIC LIABILITY, PROPERTY DAMAGE AND AUTOMOBILE INSURANCE REQUIREMENTS

C.17.1. The Contractor shall maintain during the term of this Contract such general liability insurance including but not limited to bodily injury, property damage,

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contractual liability, products/completed operations coverage, and personal injury coverage wherein the City of Cleveland is named as additional insured. (Special hazards such as business automobile liability insurance are addressed below.) Coverage shall protect the Contractor and any subcontractor performing any work under this Contract from claims for damage for personal injury, bodily injury, including accidental death, as well as for claims for property damage, which may arise from operations under this Contract, whether such operations be by the contractor or by any subcontractor or by anyone directly or indirectly employed by them. An original certificate of insurance and a copy of the additional insured endorsement naming the City of Cleveland as additional insured shall be deposited with the Director of Finance prior to execution of the Contract. Such documents shall be as to form, coverage, carrier and limits satisfactory to and approved by the Director of Law. The additional insured coverage provided to the City under the Contractor's insurance policy(ies) shall be primary with respect to Contractor's general liability, notwithstanding other insurance covering the City. The amounts of insurance shall be as described below.

NOTE: Self-insurance is not acceptable.

C.17.2. General Liability (Including but not limited to Bodily Injury, Property Damage, Contractual Liability, Owners and Contractors Protective Liability, Products/Completed Operations and Personal Injury)

Such policy or policies shall be in an amount not less than a combined single limit of \$1,000,000.00 for bodily injury and property damage per occurrence and, in the aggregate, including but not limited to, contractual liability, owners and contractors' protective liability, personal injury as well as products/completed operations coverage of \$1,000,000.00.

Such coverage shall be on an occurrence basis. Coverage shall not be on a claim made basis.

If a deductible or self-insured retention is assumed, it may not exceed \$50,000.00 per occurrence and in the aggregate.

This insurance shall include coverage for damage of property of any nature in the care, custody, or control of the Contractor, or any property over which the Contractor is directly or indirectly exercising physical control by reason of the work to be performed.

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SECTION C - SUPPLEMENTAL GENERAL CONDITIONS

C.17.3. Special Hazards

The following special hazards shall be covered during the life of this Contract by rider or riders to the policy or policies above required, or by separate policies of insurance in amounts as follows:

C.17.3.1. Business Automobile Liability

Business automobile insurance to cover each automobile, truck or other vehicle used in the performance of the Contract in an amount not less than a combined single limit of \$1,000,000.00 for bodily injury, including death, and property damage per occurrence.

C.17.4. Any policies or certificates provided shall contain a special provision requiring the insurer, no less than 30 days prior to material change in, cancellation, reduction, lapse or non-renewal of the insurance afforded by the policy or policies with respect to the contract involved, to give written notice by certified mail to the Director of Finance. The provision may not contain language such as "endeavor to" or "failure to give such notice shall impose no liability or obligation of any kind on the company or its representatives" or any similar language limiting or abating the above requirement.

C.17.5. Indemnification

The maintenance of such insurance as outlined shall in no way constitute a waiver of Contractor's legal liability beyond the limits of insurance maintained for damages to any adjoining buildings or their contents or the work and property of others on the site. The Contractor shall hold the City and its agents, including the Director of Finance, free and harmless from any cost, injury, or damage resulting from the negligent or faulty performance by the Contractor or its Subcontractors.

C.18. OEO PARTICIPATION (Supplemental to A-17, A-18, and A-19)

Under Chapter 187.13C of the Codified Ordinances, the OEO participation goal for this contract has been waived. Schedules 1-4 are not required.

There is no Subcontractor Participation (Utilization) Goal for this contract. However, per Section A-19(a) of the Instructions to Bidders, all proposed subcontractors, whether City certified or not, must be divulged and listed in the sealed bid. If you do plan to utilize a subcontractor, submit a proposed subcontractor list on a separate, signed sheet of paper, listing the name, address, type of work or materials, and total subcontractor amount for every subcontractor that you propose to use on this contract.

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SECTION C - SUPPLEMENTAL GENERAL CONDITIONS

You are encouraged to consider City-certified firms for any available subcontracting opportunities. A searchable database of all City-certified firms can be found on The City of Cleveland Office of Equal Opportunity Website: <http://cleveland.diversitycompliance.com> On the website, click on CSB/MBE/FBE Registry.

C.19. NOTICE TO PROCEED

The term of this contract shall begin when CPP issues a Notice to Proceed to the awarded vendor. A Notice to Proceed shall not be issued until the contract has been fully executed and delivered to all parties.

< End of Section C >

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SECTION D - DETAILED SPECIFICATIONS

D.1. CASTINGS

All casting shall be made in accordance with ASTM specifications A 48 Class 30B as well as AASHTO M306. All casting shall conform to drawings provided. The castings to be purchased shall be as follows:

CLEVELAND PUBLIC POWER (GROUP 1)

<u>ITEM DESCRIPTION</u>	<u>DRAWING</u>
Standard Round MH Ring & Cover (Sidewalk-Type OR Street-Type)	2371-A
Standard Square MH Frame & Cover (Sidewalk-Type OR Street-Type)	2346-A, NF-1868, NF-1869, EJ-8445A, EJ-8445Z or Approved Equivalent
Large 36" Diameter MH Ring & Cover	8507.5, EJ-1585(Z1/BVH), EJ-1585-BVH, NF-1752 or Approved Equivalent

DIVISION OF WATER (GROUP 2)

<u>ITEM DESCRIPTION</u>	<u>DRAWING</u>
Manhole No.1 (Complete Assembly)	C-891
Manhole No.2 (Complete Assembly)	C-482
Manhole No.3 (Complete Assembly)	C-876
Manhole SM-31-A (Complete Assembly)	SM-31, SM-3302
Manhole SM-31-B (Complete Assembly)	SM-31, SM-3302

WATER POLLUTION CONTROL (GROUP 3)

<u>ITEM DESCRIPTION</u>	<u>MIN. WT.</u>	<u>DRAWING</u>
*NSCB (Frame)	480 lbs.	BSM-1
*NSCB (Curb Box)	150 lbs.	BSM-2
*NSCB (Grate)	130 lbs.	BSM-5
Manhole Cover (Open Grate)	190 lbs.	BSM-6
Manhole Cover (Solid)	200 lbs.	BSM-8
Manhole Frame	350 lbs.	BSM-9
County (Hood) Style CB (Cover)	80 lbs.	241-ME
County (Hood) Style CB (Frame)	450 lbs.	241-ME
Special C.I. Inlet Basin (Cover)	80 lbs.	527-M
Special C.I. Inlet Basin (Frame)	350 lbs.	527-M
Cover (26"x1") for 4'x4' Stone Slab	75 lbs.	BSM-4
Manhole Frame	187 lbs.	EJ-1720 or Approved equivalent
Manhole Cover (Open Grate)	128 lbs.	EJ-1720-P or approved Equivalent

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SECTION D - DETAILED SPECIFICATIONS

Inlet grate (round)	190 lbs.	Ej-1730-m2 or approved Equivalent
Inlet grate (rectangular)	132 lbs.	Ej-7350-m2 or approved Equivalent
Inlet frame		Ej-7350-m2 or approved Equivalent
Inlet grate (type1curb&gutter)	173 lbs.	Ej-7370 or approved equivalent
Inlet frame (type1curb&gutter)		Ej-7370 or approved equivalent
Cb frame		Ej-7035 or approved equivalent
Cb cover (open grate)		Ej-7030-m2 or approved Equivalent
Cb back (curb box)		Ej-7030-t1 or approved Equivalent
Inlet frame (type1curb&gutter)		Ej-7390-z or approved equivalent
Inlet grate (type1curb&gutter)	260 lbs.	Ej-7390-m3 or approved equivalent
Adjustable Steel Riser 1700 H MH riser 1' – 5716s		M5255020104A or approved equivalent
Adjustable Steel Riser 1 1/2" 1700 H Manhole Riser 1 1/2" - 3416S		M5255020154A or approved equivalent
Adjustable Steel Riser 2" 1700 H Manhole Riser 2" - 4216S		M5255020204A or approved equivalent
Adjustable Steel Riser 7380 H Catch Basin Riser 1" - 2516S		M5232520104A or approved equivalent
Adjustable Steel Riser 7380 Catch Basin Riser 1 1/2" - 3216S		M5232520154A or approved equivalent
Wear Plate Cover		EJ#8650-A or approved equivalent
Wear Plate Frame		EJ#8650-Z or approved equivalent
Composite Manhole Cover (25-1/4" x 2" Lid)		Dwg. Composite MH covers sewer & Pentagon key
Pentagon Key		Dwg. Composite MH covers sewer & Pentagon key

Polymer Manhole Lids

Materials - Manhole lids shall be molded of a molded reinforced composite polymer, be black in color and have the words SANITARY SEWER molded into the lid in 1-3/4" raised letters. The lids shall be secured to the existing frames by means of a worm gear assembly. Locking mechanisms relying on springs are not acceptable. The worm shall be ductile iron, grade 65-45-12. The pentagon locking

**SPECIFICATIONS/DESCRIPTIONS OF PRODUCTS AND/OR SERVICE
DEPARTMENT OF PUBLIC UTILITIES - CLEVELAND PUBLIC POWER, WATER AND
WATER POLLUTION CONTROL**

CASTINGS / DPU 2024

SECTION D - DETAILED SPECIFICATIONS

bolt shall be machined from T316 stainless steel. The pentagon head of the bolt shall measure 27/32" from point to flat, for use with the socket of a standard AWWA pentagon key. The shank of the pentagon bolt and the opening in the worm shall be square to reduce localized stress on the bolt. The worm gear assembly shall be retained with a stainless-steel hex cap screw to facilitate field replacement. Swedging, pinning or peening of pentagon bolts is not acceptable. To prevent elongation or excessive wear to the hole in the lid, the shank of the pentagon bolt shall not bear directly upon the composite lid but shall be installed with a full-length metal flanged sleeve made of T316 stainless steel. It shall be installed between the pentagon head of the locking bolt and the lid. A washer shall be installed between the lid and top surface of worm gear. The washer shall be T316 stainless steel.

Retainer Bracket for Mounting of Flow Monitoring Equipment - The underside of the lid shall have posts to permit the attachment of a mounting bracket. Each post shall have a brass insert into which a stainless screw shall be threaded to retain the bracket. The mounting bracket shall be made of HDPE and be capable of accommodating various flow monitoring devices.

Load Rating - All lids shall be capable of withstanding a traffic load of 40,000 Ibs., tested in accordance with AASHTO M-306. The Supplier of lids shall submit a test report from an independent testing laboratory. The test report shall document a successful proof load test of 40,000 Ibs. for 60 seconds using a 9" x 9" plate. There shall be no cracks or permanent deformation greater than 1/8". The test report shall fully disclose the AASHTO M-306 test procedures and type of test equipment used and be illustrated with pictures showing the test plate, equipment used and pictures of the top and bottom of the lid.

Prior to furnishing lids, a sample lid shall be provided to the City along with a test report from an independent testing laboratory, as described above. Lids shall fit the frames described in the bid.

* New Style Catch Basin

a) Inspection of Castings

The Director, or a duly authorized representative, may at any time during the period of this contract, inspect or supervise the manufacture of these castings. The inspection of these castings will be made after delivery of all items in this contract, at the points herein stated, and rejected castings shall be returned to the contractor at his expense.

**SPECIFICATIONS/DESCRIPTIONS OF PRODUCTS AND/OR SERVICE
DEPARTMENT OF PUBLIC UTILITIES - CLEVELAND PUBLIC POWER, WATER AND
WATER POLLUTION CONTROL**

CASTINGS / DPU 2024

SECTION D - DETAILED SPECIFICATIONS

b) Cleaning and Testing of Castings

All casting shall be reasonably smooth and free from injurious defects. Riser, fins and cast on pieces shall be removed. All castings shall be thoroughly cleaned and subjected to a careful hammer test.

c) Coating

Each casting supplied to the Division of Water Pollution Control shall be sprayed or brushed inside and out with one coat of environmentally safe water-based asphalt paint. Other methods of coating and types of materials shall be subject to the approval of the Commissioner of Water Pollution Control.

Each casting supplied to the Division of Water shall be sprayed or brushed inside and out with one coat of asphalt compound varnish. The varnish shall be made of high-grade asphalt fluxed and blended with properly treated drying oils and thinned to a proper consistency with a volatile solvent. The paint shall conform to the requirements of Federal Specification TT-V-51 asphalt varnish Military Specification MIL C-450 or equal. Other methods of coating and types of coating materials shall be subject to the approval of the Commissioner of Water.

Cleveland Public Power has no requirement for coating of castings.

d) Covers to be Interchangeable.

Covers shall be interchangeable with rings, and none will be accepted which project above the frame or ring, or which are recessed more than one sixteenth inch (1/16"). All covers must lie true in their rings without tipping or rocking when pressure is brought to bear upon them.

Listed below are the frame and matching covers that shall be interchangeable:

CLEVELAND PUBLIC POWER (GROUP 1)

<u>FRAME</u>	<u>COVERS</u>
ITEM 1 and 2	ITEM 3
ITEM 4 and 5	ITEM 6
ITEM 7	ITEM 8

DIVISION OF WATER (GROUP 2)

<u>FRAME</u>	<u>COVERS</u>
Manhole No.1 Ring	Manhole No.1 Cover
Manhole No.2 Ring	Manhole No.2 Cover

**SPECIFICATIONS/DESCRIPTIONS OF PRODUCTS AND/OR SERVICE
DEPARTMENT OF PUBLIC UTILITIES - CLEVELAND PUBLIC POWER, WATER AND
WATER POLLUTION CONTROL**

CASTINGS / DPU 2024

SECTION D - DETAILED SPECIFICATIONS

Manhole No.3 Ring	Manhole No.3 Cover
Manhole SM-31-A Ring	Manhole SM-31-A Top-Cover
	Manhole SM-31-A Inside-Cover
Manhole SM-31-B Ring	Manhole SM-31-B Top-Cover
	Manhole SM-31-B Inside-Cover

COMPOSITE POLYMER METER PIT LIDS

Meter pit lids shall be molded of a molded reinforced composite polymer and shall allow radio waves to pass through the lid with optimal RF transparency. The lids shall be black in color and have the words WATER METER molded into the lid in 1-3/4" raised letters. The lids shall be secured to the existing frames by means of a worm gear assembly. Locking mechanisms relying on springs are not acceptable.

The worm shall be ductile iron, grade 65-45-12. The pentagon locking bolt shall be machined from Manganese Bronze UNS C86400 (B584). The pentagon head of the bolt shall measure 27/32" from point to flat, for use with the socket of a standard AWWA pentagon key. The shank of the pentagon bolt and the opening in the worm shall be square to reduce localized stress on the bolt. The worm gear assembly shall be retained with a stainless-steel machine screw to facilitate field replacement. Swedging, pinning or peening of pentagon bolts is not acceptable. To prevent elongation or excessive wear to the hole in the lid, the shank of the pentagon bolt shall not bear directly upon the plastic lid but shall be installed with a full-length metal flanged sleeve made of a bronze bearing alloy. It shall be installed between the pentagon head of the locking bolt and the lid. A brass washer shall be installed between the lid and the top surface of the worm gear. The washer shall be red brass, UNS C83600 (B584).

Mounting of Antenna for the #1, #2 and #3 lids – The underside of the lid shall be provided with 3 posts with brass threaded inserts to allow the attachment of a post adapter capable of attaching up to 3 Itron 100W ERTs, 1 on each post. The posts adapters shall be attached to the posts with stainless steel machine screws. The mounting bracket shall be made of HDPE and sized to fit an Itron 100W ERT.

Load Rating – All lids shall be capable of withstanding a traffic load of 40,000 lbs., tested in accordance with AASHTO M-306. The Supplier of lids shall submit a test report from an independent testing laboratory which shall be accredited by the American Association for Laboratory Accreditation. The test report shall document a successful proof load test of 40,000 lbs. for 60 seconds using a 9" x 9" plate. There shall be no cracks or permanent deformation greater than 1/8". The test report shall fully disclose the AASHTO M-306 test

**SPECIFICATIONS/DESCRIPTIONS OF PRODUCTS AND/OR SERVICE
DEPARTMENT OF PUBLIC UTILITIES - CLEVELAND PUBLIC POWER, WATER AND
WATER POLLUTION CONTROL**

CASTINGS / DPU 2024

SECTION D - DETAILED SPECIFICATIONS

procedures and type of test equipment used and be illustrated with pictures showing the test plate, equipment used and pictures of the top and bottom of the lid.

Prior to furnishing lids, a sample lid shall be provided to the City along with a test report from an independent testing laboratory, as described above.

Approved manufacturer is Trumbull or Engineer approved equal.

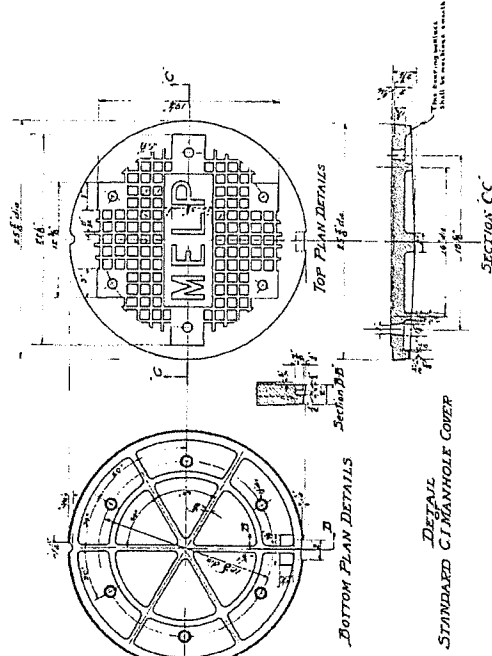
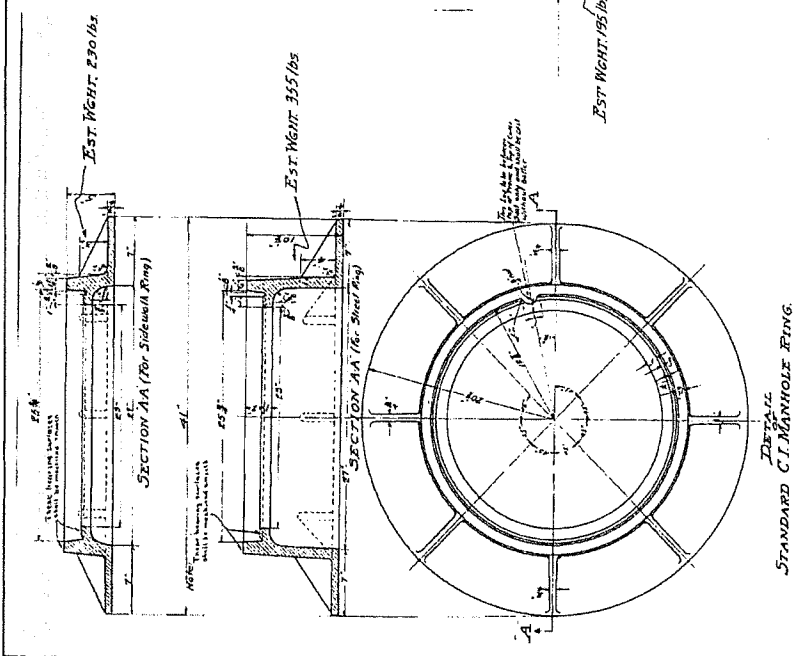
e) Machining

The bearing surfaces of all round covers and rings shall be machined smoothly, wherever indicated on any of the drawings.

f) Patterns

Patterns for the required castings are to be supplied and maintained at the contractor's expense. The patterns are to remain the property of the contractor.

< End of Section D >



NOTE: ALL COVER RINGS AND PLUGS MUST BE INTERCHANGEABLE
COVERS FOR STREET AND SIDEWALK FRAMES AND IDENTICAL.

REVISION WITH CHANGES
HELP TO C.P.O.
5-8-69

NO.	DATE	BY	DESCRIPTION
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DIVISION OF LIGHT & POWER
CITY OF CLEVELAND
STANDARD CAST IRON
MANHOLE RINGS & COVER
DRAWN BY VE
CHECKED BY
DATE 12-12-32
2371

EJW EAST JORDAN
 IRON WORKS EST. 1883
 800-626-4653
 www.ejiw.com
 MADE IN USA

PRODUCT NUMBER
00158526

CATALOG NUMBER
1585BVH

MANHOLE
 COVER

LOAD RATING
 HEAVY DUTY

COATING
 DIPPED

MATERIAL SPECIFICATION
 COVER - GRAY IRON
 ASTM A48 CL35B

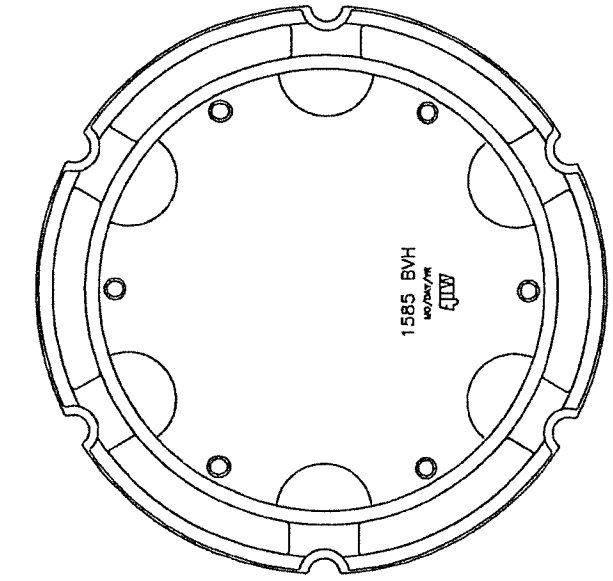
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 N/A

✓ DESIGNATES MACHINED
 SURFACE

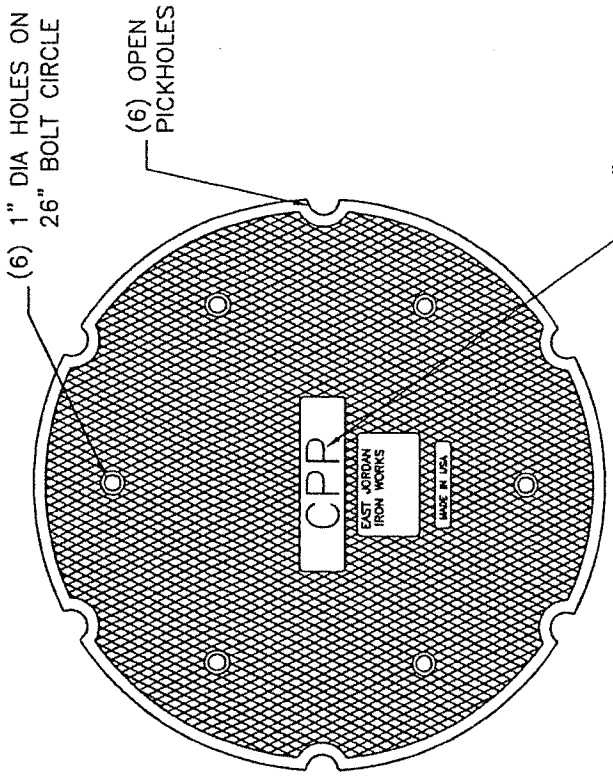
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LAST REVISED GAD	DATE 01/19/09
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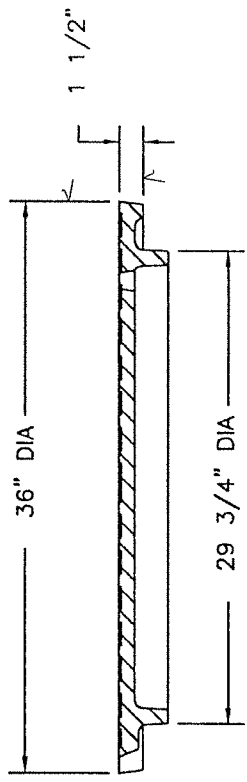
REFERENCE INFORMATION



BOTTOM VIEW



2" LETTERS
 (RECESSED FLUSH)



SECTION VIEW

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

PRODUCT NUMBER
00158513

CATALOG NUMBER
1585Z1

MANHOLE FRAME

LOAD RATING
HEAVY DUTY

COATING
UNDIPPED

ESTIMATED WEIGHT
 FRAME: 242 LBS 110kg

MATERIAL SPECIFICATION
 FRAME - GRAY IRON
 ASTM A48 CL35B

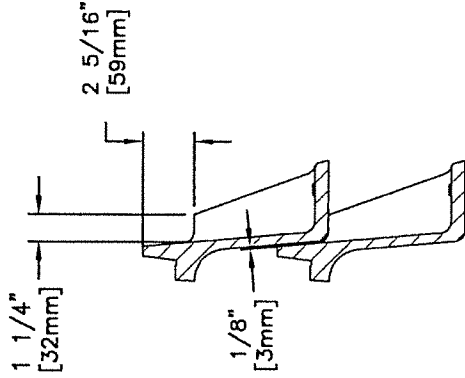
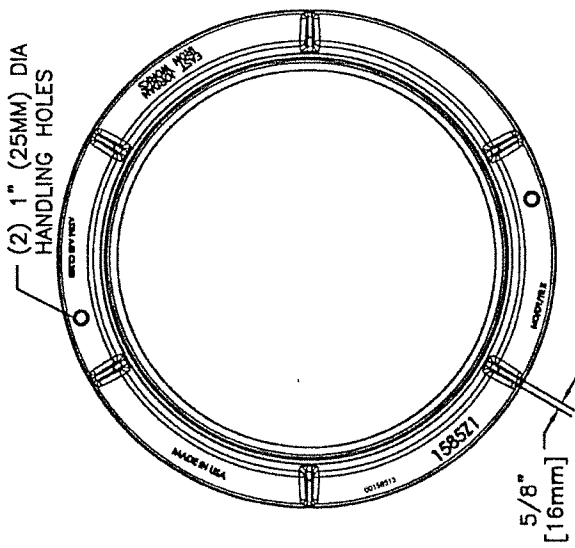
OPEN AREA
 N/A

↓ DESIGNATES MACHINED SURFACE

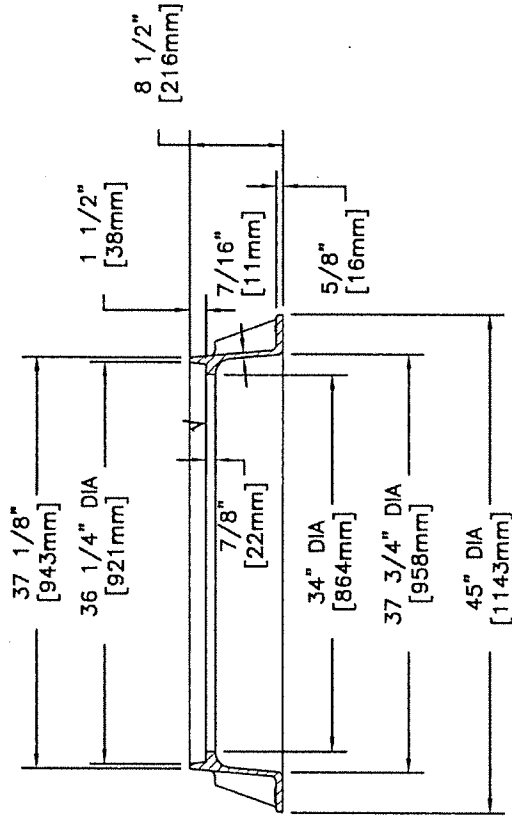
DRAWN DATE
 DEW 01/18/07

LAST REVISED DATE

REFERENCE INFORMATION
 00158513
 SLD



STACK DETAIL



SECTION

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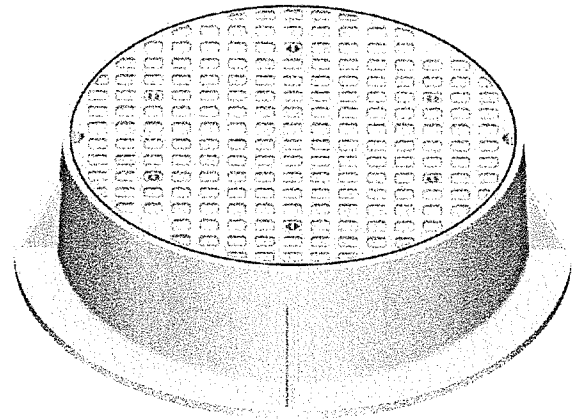
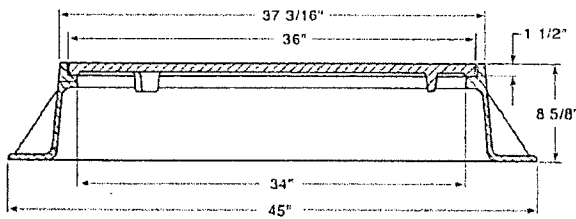


R-1752- Manhole Frames and Covers

R-1752

Manhole Frame, Vented Lid

Heavy Duty



Available Grate: **R-2251**
 (see **Inlet Frames & Grates. R-2000 Series** table)

Catalog Number	A	B	C	E	F
R-1752	36	1-1/2	34	45	8-5/8

All dimensions are listed in inches unless otherwise noted.

To order Neenah Foundry products, please call **800.558.5075**.

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EJW EAST JORDAN
 IRON WORKS EST. 1883
 800-626-4653
 www.ejw.com
 MADE IN USA

PRODUCT NUMBER
00844501

CATALOG NUMBER
8445Z
8445A

MANHOLE ASSEMBLY

LOAD RATING
HEAVY DUTY

COATING
DIPPED

ESTIMATED WEIGHT
 EA. CV: 266 LBS 121kg
 FRAME: 664 LBS 301kg
 UNIT: 1196 LBS 543kg

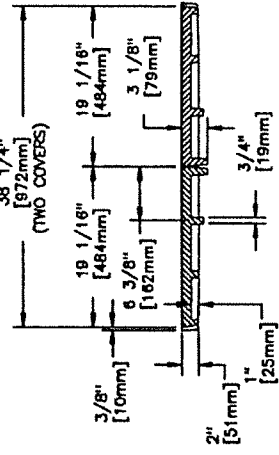
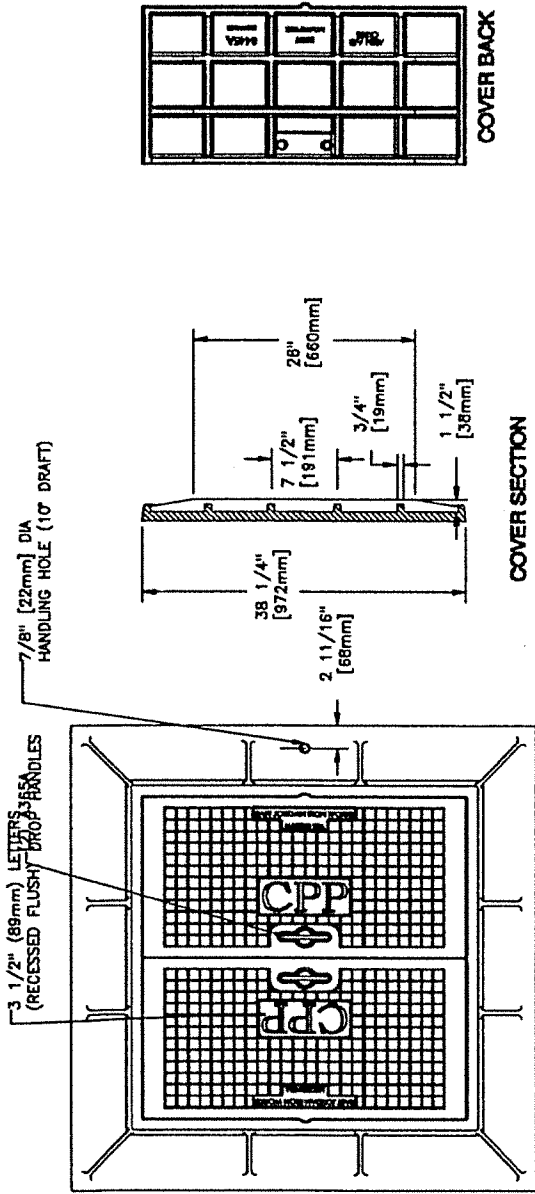
MATERIAL SPECIFICATION
 COVER - GRAY IRON
 ASTM A48 CL35B
 FRAME - GRAY IRON
 ASTM A48 CL35B

OPEN AREA
 N/A

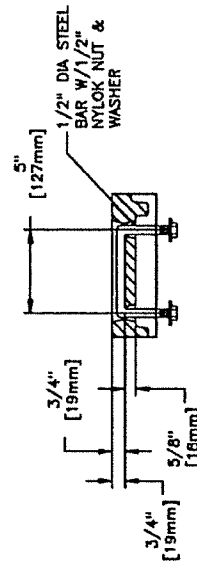
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DRAWN	DATE
DEW	12/07/06
LAST REVISED	DATE

REFERENCE INFORMATION
 00844510
 00844522

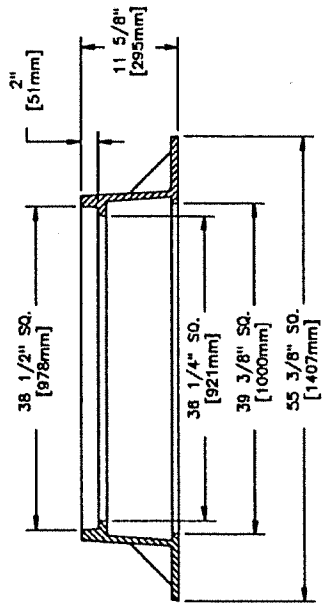


DBL COVER SECTION



0080997 DI CALV. 1/2-13 NC 3 3/8" DEEP
 0098171 NUT 4PP, 1/2-13 24 NYLON
 0058181 WSR 1/2 16 1.38 OD 24

DROP HANDLE DETAIL



FRAME SECTION

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EJW EAST JORDAN
IRON WORKS EST. 1883

800-626-4653
www.ejw.com
MADE IN USA

PRODUCT NUMBER

00844510

CATALOG NUMBER

8445Z

**CATCH BASIN
FRAME**

LOAD RATING

HEAVY DUTY

COATING

DIPPED

ESTIMATED WEIGHT

FRAME: 664 LBS 301kg

MATERIAL SPECIFICATION

FRAME - GRAY IRON
ASTM A48 CL35B

OPEN AREA
N/A

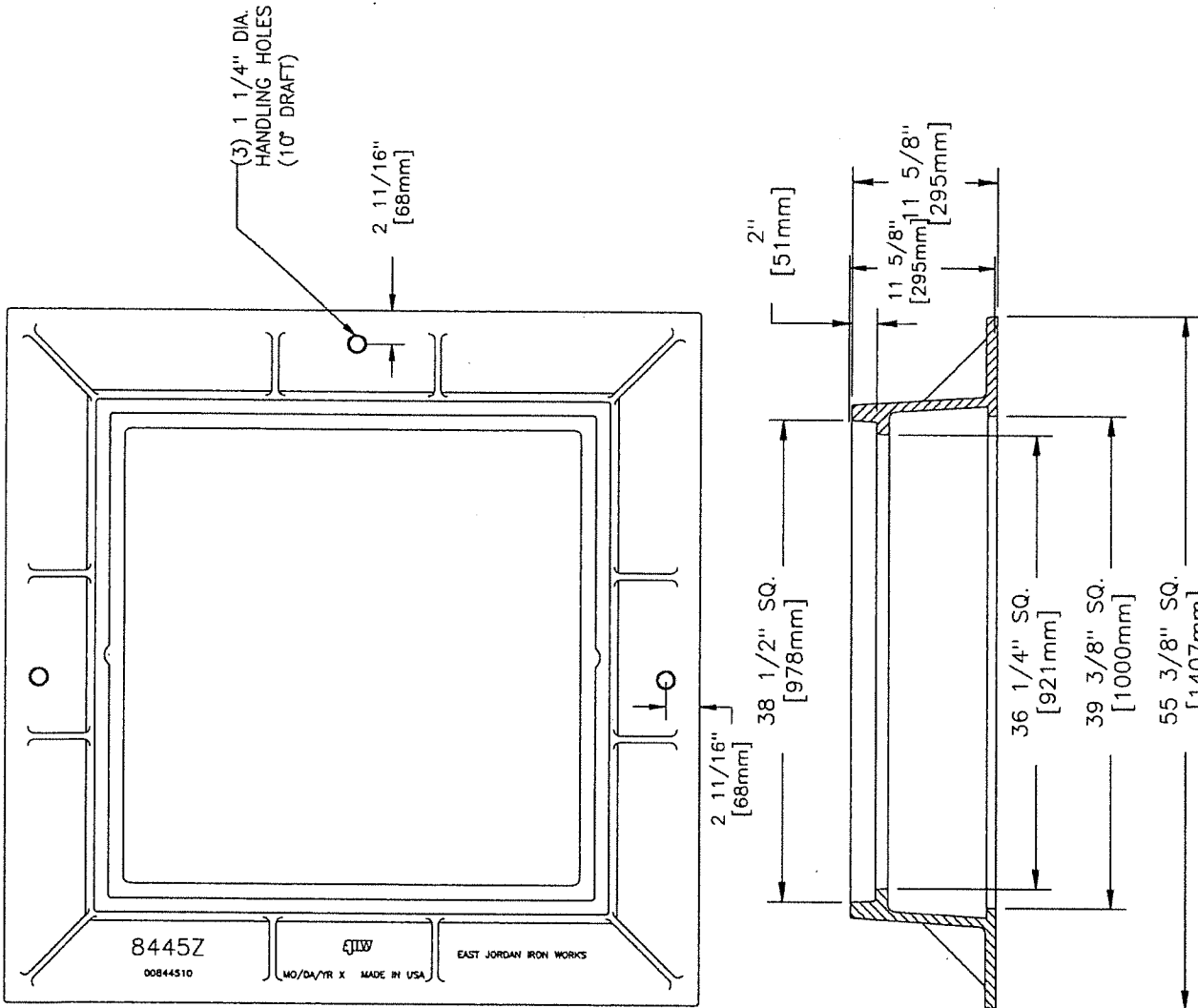
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SURFACE

DRAWN TCL	DATE 05/23/06
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LAST REVISED DEW	DATE 12/07/06
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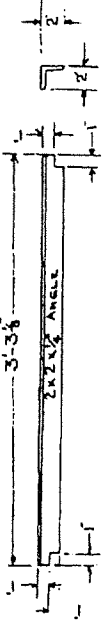
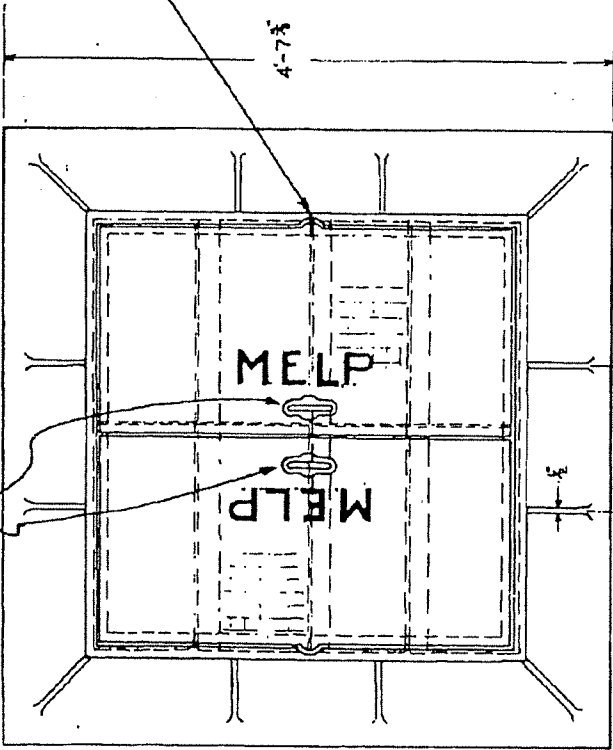
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FRAME SECTION

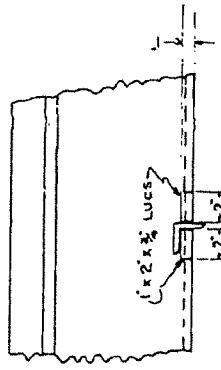
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APPROPRIATE HANDLES TO BE INSTALLED IN EACH HALF COVER FOR LIFTING. AFTER USE, HANDLE TO SLIP INTO HOLES AND BE FLUSH WITH SURFACE OF COVER

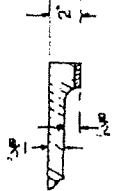


3 PIECES REQUIRED FOR EACH FRAME

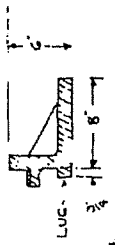
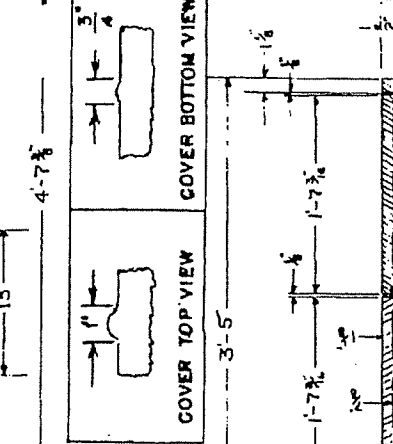
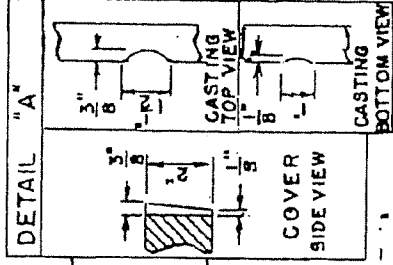
SEE DETAIL "A"



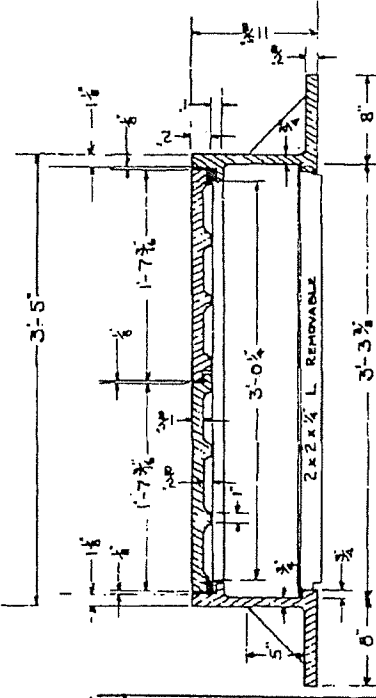
INSIDE ELEVATION SHOWING LUGS FOR ANGLE SUPPORTS



SECTION OF COVER



SECTION OF FRAME



CROSS-SECTION M.E.L.P. HEAVY STREET TYPE MANHOLE COVER & FRAME

NOTE ALL COVERS AND FRAMES MUST BE INTERCHANGEABLE. COVERS FOR STREET AND SIDEWALK FRAMES ARE IDENTICAL. NOTE RIBS OF COVER TO BE SUFFICIENTLY STRONG TO PREVENT BREAKAGE

CROSS-SECTION M.E.L.P. SIDEWALK TYPE MANHOLE COVER & FRAME

WEIGHT—
 STREET TYPE SQUARE MANHOLE CASTING WITHOUT COVER, 700 lbs.
 SIDEWALK " " " " 400 "
 SQUARE MANHOLE COVER 250 lbs per 1/2

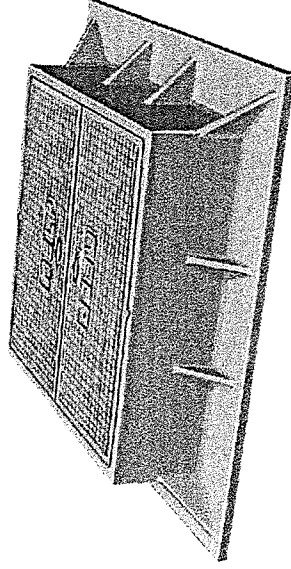
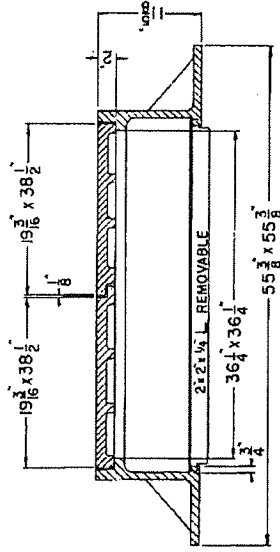
Standard Square Manhole Cover and Frame
 Drawing Number: 2346 (ZOOMED-IN)

NEENAH FOUNDRY

R-1868- Manhole Frames and Covers

R-1868

Street Electric Vault Frame, 2-piece Top Lid
Heavy Duty



Specify lettering as shown, special lettering or no lettering.

Catalog Number	A	B	C	E	F
R-1868	19-3/16 x 38-1/2	2	36-1/4 x 36-1/4	55-3/8 x 55-3/8	11-5/8

All dimensions are listed in inches unless otherwise noted.

To order Neenah Foundry products, please call **800.558.5075**.

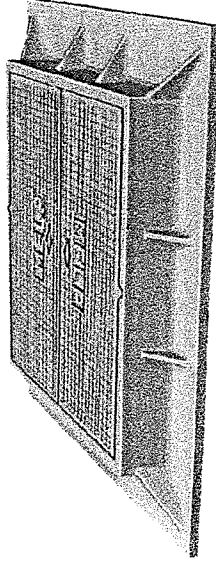
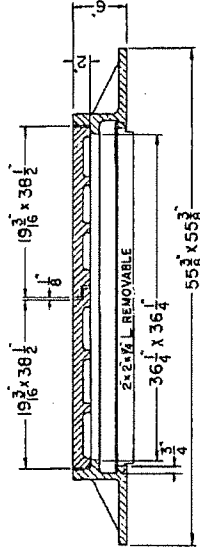
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R-1869- Manhole Frames and Covers

R-1869

Sidewalk Electric Vault Frame, 2-piece Top Lid
Heavy Duty



Catalog Number	A	B	C	E	F
R-1869	19-3/16 x 38-1/2	2			

All dimensions are listed in inches unless otherwise noted.

To order Neenah Foundry products, please call **800.558.5075**.

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REVISED NOV. 1, 1937

4 3/4" 5 3/8" 1/8"

4 3/8" 20 1/16" 4 3/8"

29"

EST. Wt. = 160#

EST. Wt. of Ring = 95#
EST. Wt. of Cover = 65#

Full Size Section At Slot.

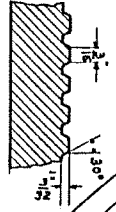
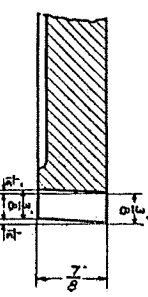
Full Size Section of Checkers.

To be checked

Cover to be checked to this line

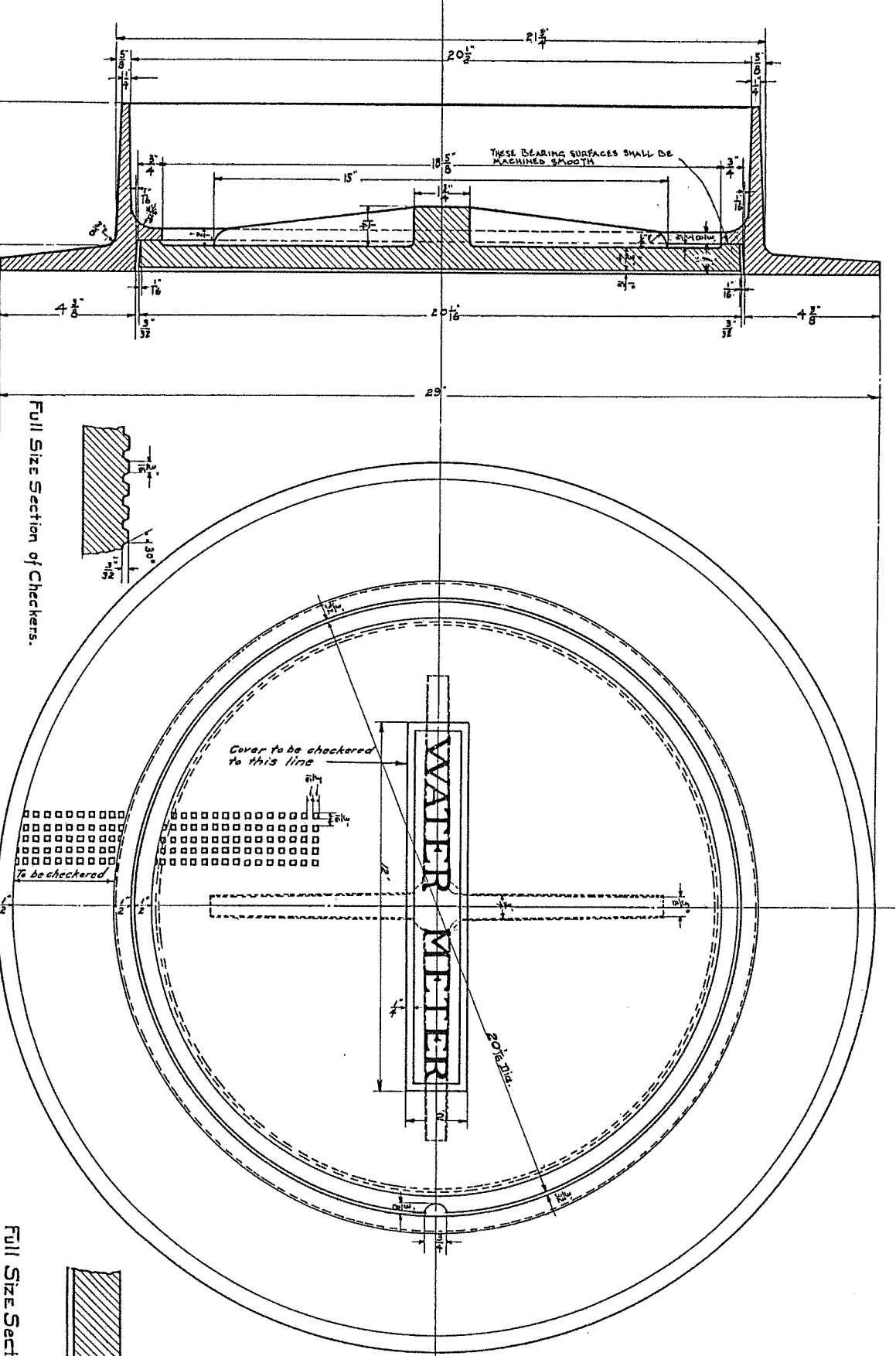
WATER METER

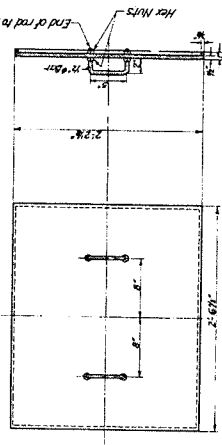
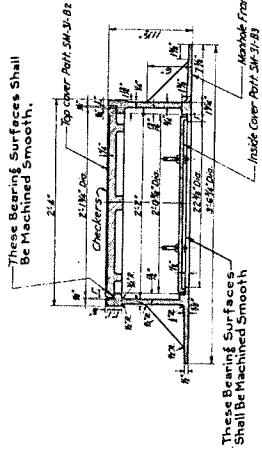
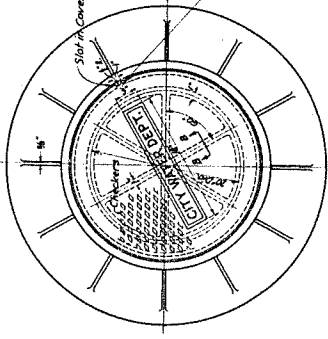
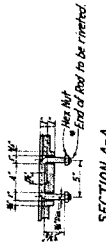
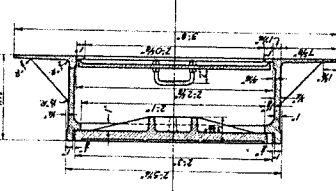
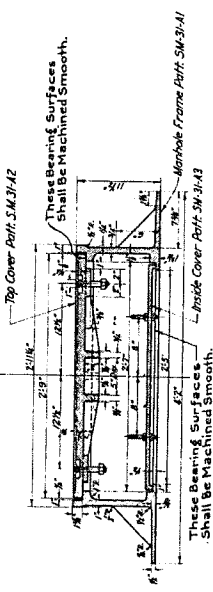
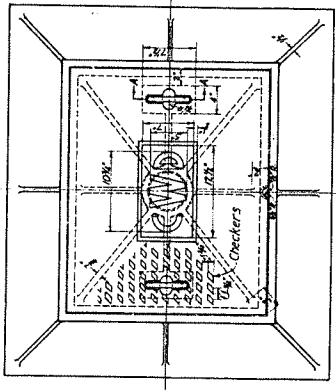
20" Dia.



NOTE:
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RESTORED IN 12/3/1985
BY: H. B. E.

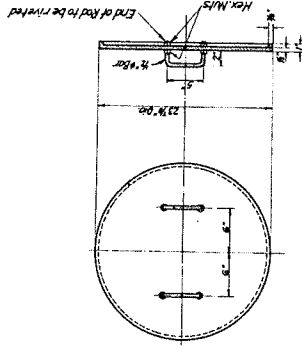
CITY WATER DEPARTMENT
CLEVELAND OHIO
SUBJECT: MANHOLE RING AND COVER NO 2
FOR WATER METER
CONTRACT NO
DRAWN BY: O.G.S. CHECKED BY: S.S. SCHOLZ APPROVED BY: 2/26/10
SCALE: 6" = 1'-0" DATE: 2/8/09 DRAWING NO C-482





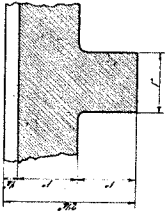
INSIDE COVER (C.1.) PART. SM-31-43

MANHOLE FRAME AND COVERS MARK SM-31/A
 Consisting of:
 (C.1.) Manhole Frame Part. SM-31-A1
 (C.1.) Top Cover Part. SM-31-A2
 (C.1.) Inside Cover Part. SM-31-A3

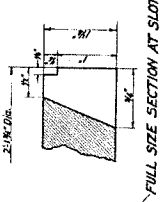


INSIDE COVER (C.1.) PART. SM-31-83

MANHOLE FRAME AND COVER MARK SM-31/B
 Consisting of:
 (C.1.) Manhole Frame Part. SM-31-B1
 (C.1.) Top Cover Part. SM-31-B2
 (C.1.) Inside Cover Part. SM-31-B3



FULL SIZE SECTION AT B-B



FULL SIZE SECTION AT SLOT

This is a duplicate tracing of the original approved tracing SM-31 dated 6-29-1926.

DATE	BY	REVISIONS
2-11-1927	J. H. M. S. M.	1. CHANGED TO 24" DIA. COVER
2-11-1927	J. H. M. S. M.	2. CHANGED TO 24" DIA. COVER
2-11-1927	J. H. M. S. M.	3. CHANGED TO 24" DIA. COVER
2-11-1927	J. H. M. S. M.	4. CHANGED TO 24" DIA. COVER
2-11-1927	J. H. M. S. M.	5. CHANGED TO 24" DIA. COVER
2-11-1927	J. H. M. S. M.	6. CHANGED TO 24" DIA. COVER
2-11-1927	J. H. M. S. M.	7. CHANGED TO 24" DIA. COVER
2-11-1927	J. H. M. S. M.	8. CHANGED TO 24" DIA. COVER
2-11-1927	J. H. M. S. M.	9. CHANGED TO 24" DIA. COVER
2-11-1927	J. H. M. S. M.	10. CHANGED TO 24" DIA. COVER

DEPARTMENT: C. I. PUBLIC UTILITIES
 DIVISION OF WATER SUPPLY
 STREET: STANDARD DETAIL
 SUBJECT: MANHOLE FRAMES AND COVERS
 EST. NO. 756

APPROVED: April 25, 1927
 DIRECTOR OF PUBLIC UTILITIES
 J. H. M. S. M.
 CHIEF ENGINEER
 J. H. M. S. M.
 CHIEF ENGINEER



City of Cleveland
Specifications for Polymer Meter Pit Lids
40,000 # Load Rating
#1, #2 and #3 styles

Materials - Meter pit lids shall be molded of a molded reinforced composite polymer and shall allow radio waves to pass through the lid with optimal RF transparency. The lids shall be black in color and have the words WATER METER molded into the lid in 1-3/4" raised letters. The lids shall be secured to the existing frames by means of a worm gear assembly. Locking mechanisms relying on springs are not acceptable. The worm shall be ductile iron, grade 65-45-12. The pentagon locking bolt shall be machined from Manganese Bronze UNS C86400 (B584). The pentagon head of the bolt shall measure 27/32" from point to flat, for use with the socket of a standard AWWA pentagon key. The shank of the pentagon bolt and the opening in the worm shall be square to reduce localized stress on the bolt. The worm gear assembly shall be retained with a stainless steel machine screw to facilitate field replacement. Swedging, pinning or peening of pentagon bolts is not acceptable. To prevent elongation or excessive wear to the hole in the lid, the shank of the pentagon bolt shall not bear directly upon the plastic lid but shall be installed with a full length metal flanged sleeve made of a bronze bearing alloy. It shall be installed between the pentagon head of the locking bolt and the lid. A brass washer shall be installed between the lid and top surface of worm gear. The washer shall be red brass, UNS C83600 (B584).

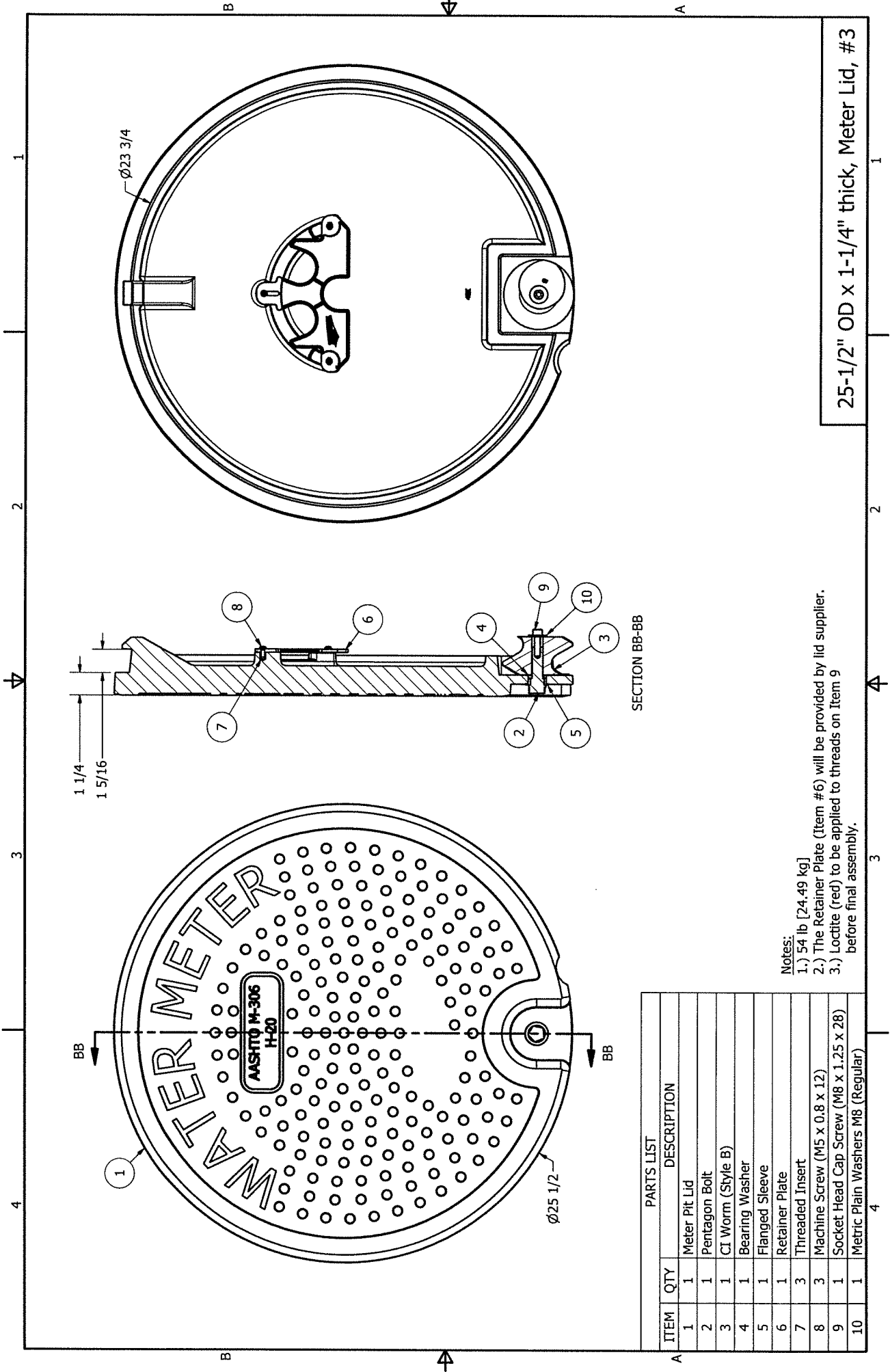
Lids shall fit the frames listed in the bid documents.

Mounting of Antenna for the #1 and #2 lids – The underside of the lid shall be provided with 3 posts with brass threaded inserts to allow the attachment of a post adapter capable of attaching up to 2 Itron 100W ERTs. The post adapters shall be attached to the posts with stainless steel machine screws.

Mounting of Antenna for the #3 lids - The underside of the lid shall have posts to permit the attachment of an antenna mounting bracket. Each post shall have a brass insert into which a stainless screw shall be threaded to retain the bracket. The mounting bracket shall be made of HDPE and sized to fit an Itron 100W ERT.

Load Rating – All lids shall be capable of withstanding a traffic load of 40,000 lbs., tested in accordance with AASHTO M-306. The Supplier of lids shall submit a test report from an independent testing laboratory which shall be accredited by the American Association for Laboratory Accreditation. The test report shall document a successful proof load test of 40,000 lbs. for 60 seconds using a 9" x 9" plate. There shall be no cracks or permanent deformation greater than 1/8". The test report shall fully disclose the AASHTO M-306 test procedures and type of test equipment used and be illustrated with pictures showing the test plate, equipment used and pictures of the top and bottom of the lid.

Prior to furnishing lids, a sample lid shall be provided to the City along with a test report from an independent testing laboratory, as described above.

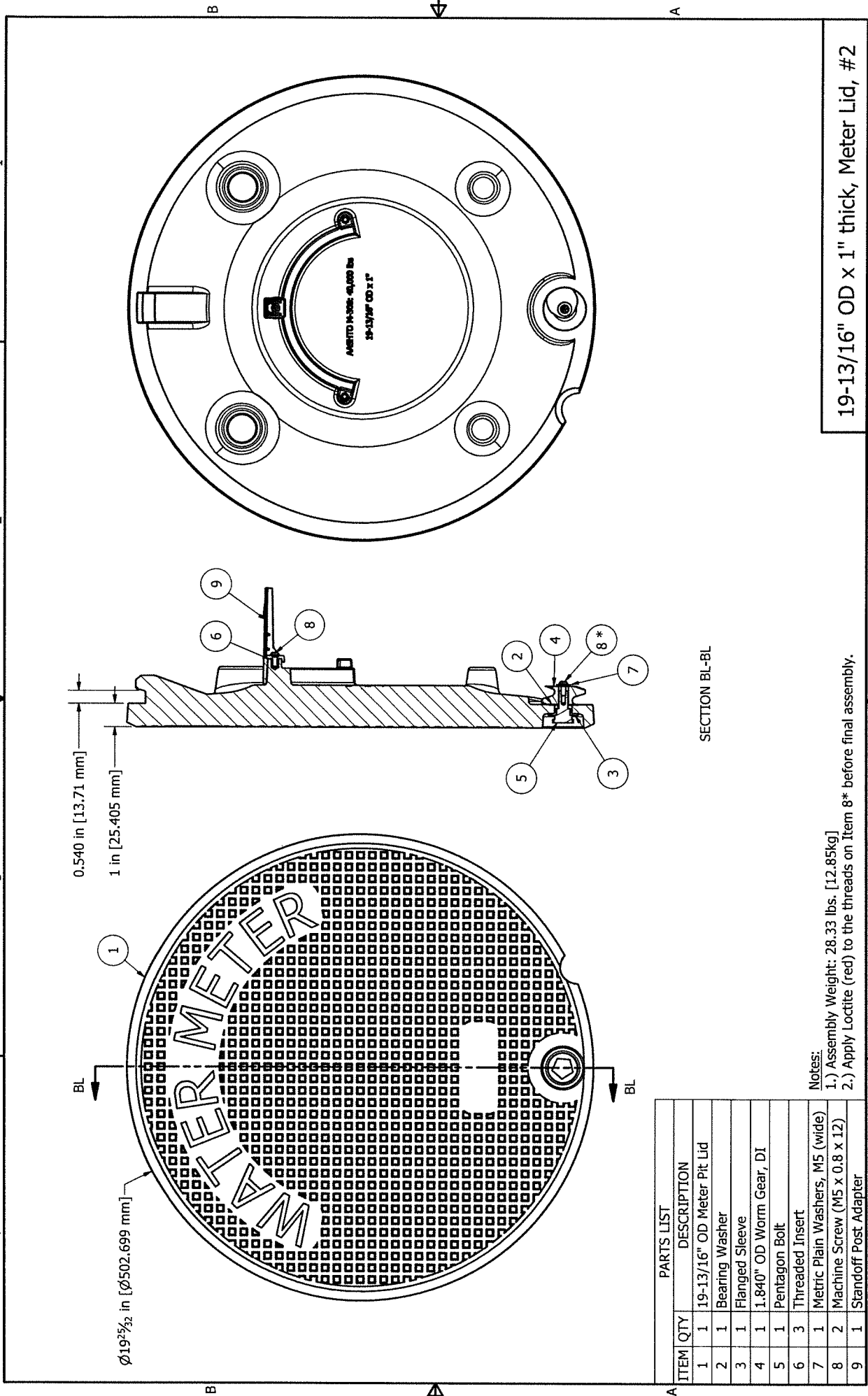


25-1/2" OD x 1-1/4" thick, Meter Lid, #3

- Notes:
- 1.) 54 lb [24.49 kg]
 - 2.) The Retainer Plate (Item #6) will be provided by lid supplier.
 - 3.) Loctite (red) to be applied to threads on Item 9 before final assembly.

PARTS LIST	
ITEM	DESCRIPTION
1	Meter Pit Lid
2	Pentagon Bolt
3	CI Worm (Style B)
4	Bearing Washer
5	Flanged Sleeve
6	Retainer Plate
7	Threaded Insert
8	Machine Screw (M5 x 0.8 x 12)
9	Socket Head Cap Screw (M8 x 1.25 x 28)
10	Metric Plain Washers M8 (Regular)

1 2 3 4



SECTION BL-BL

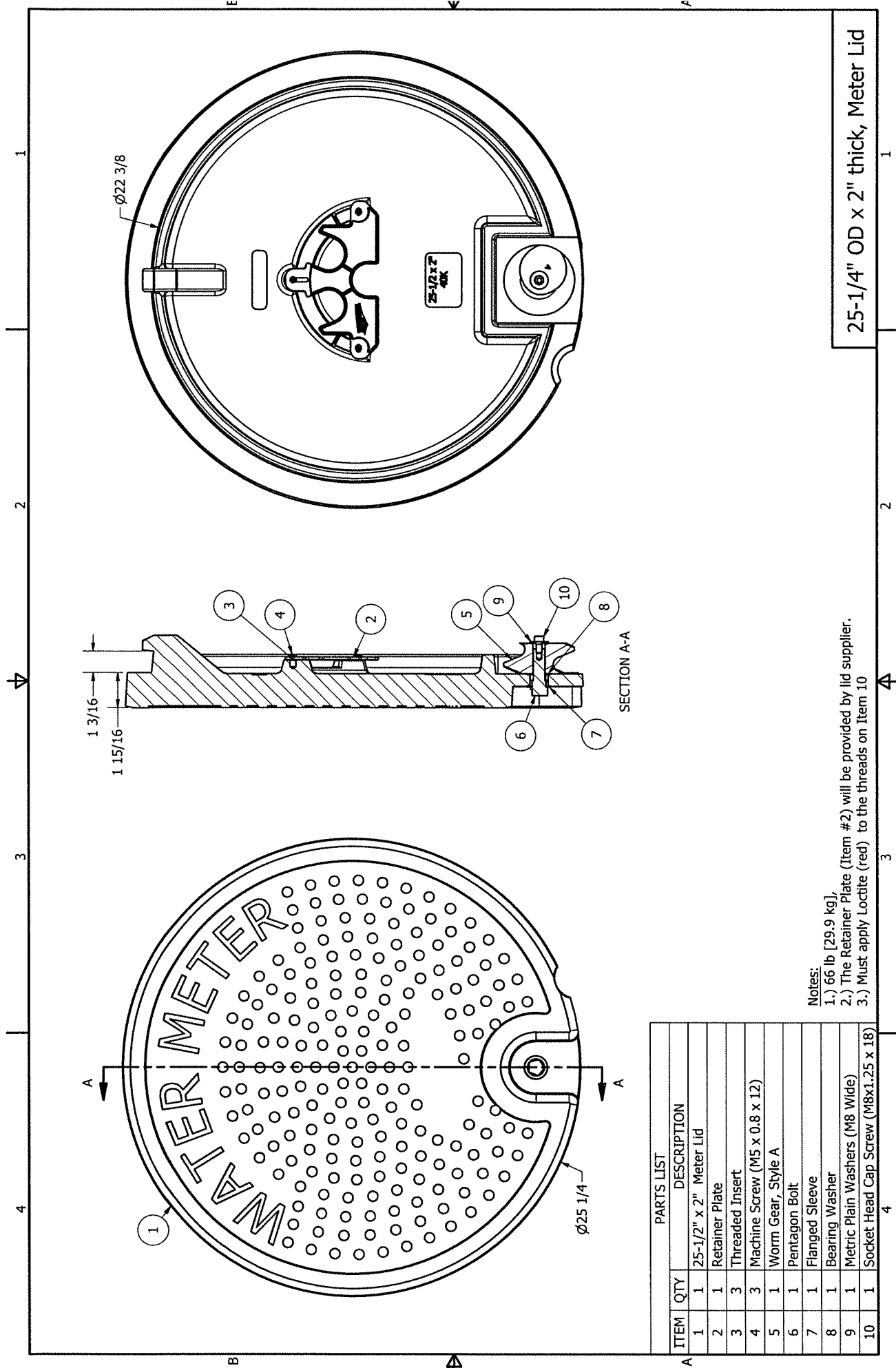
PARTS LIST	
ITEM QTY	DESCRIPTION
1 1	19-13/16" OD Meter Pit Lid
2 1	Bearing Washer
3 1	Flanged Sleeve
4 1	1.840" OD Worm Gear, DI
5 1	Pentagon Bolt
6 3	Threaded Insert
7 1	Metric Plain Washers, M5 (wide)
8 2	Machine Screw (M5 x 0.8 x 12)
9 1	Standoff Post Adapter

Notes:

- 1.) Assembly Weight: 28.33 lbs. [12.85kg]
- 2.) Apply Loctite (red) to the threads on Item 8* before final assembly.

19-13/16" OD x 1" thick, Meter Lid, #2

1 2 3 4



25-1/4" OD x 2" thick, Meter Lid

PARTS LIST	
ITEM	QTY DESCRIPTION
1	1 25-1/2" x 2" Meter Lid
2	1 Retainer Plate
3	3 Threaded Insert
4	3 Machine Screw (M5 x 0.8 x 12)
5	1 Worm Gear, Style A
6	1 Pentagon Bolt
7	1 Flanged Sleeve
8	1 Bearing Washer
9	1 Metric Plain Washers (M8 Wide)
10	1 Socket Head Cap Screw (M8x1.25 x 18)

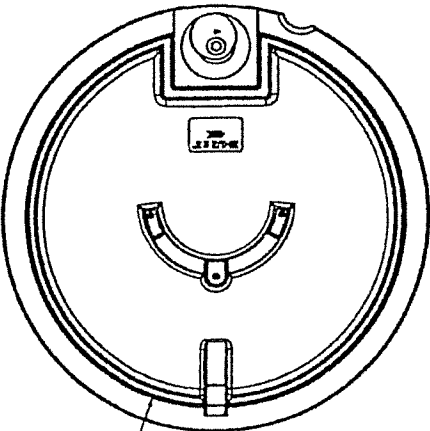
Notes:
 1.) 66 lb [29.9 kg],
 2.) The Retainer Plate (Item #2) will be provided by lid supplier.
 3.) Must apply Loctite (red) to the threads on Item 10

ITEM	QTY	PART NUMBER	DESCRIPTION	MATERIAL
1	1	TBD	25.25 X 2 LID WPC	SMC
2	3	M5 X 0.8	Threaded Insert	T1655
3	3	M5 X 12	Machine Screw	T1655
4	1	M8 X 0.15" thick	Metric Plain Washers	T1655
5	1	167-0066	Flanged Sleeve, HD	T1655
6	1	167-0068	Bearing Washer	T1655
7	1	167-0067	Pentagon Bolt	T1655
8	1	1563	Worm Gear, Style A	Ductile Iron
9	1	M8 X 1.25 X 25	Hex Cap Screw	T1655

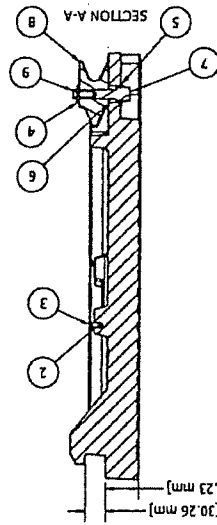
PARTS LIST

Notes:
 1.) Assembly weight: 66.42 lb (30.1 kg),
 and torque to 15 in*lbs.
 2.) Must apply Loctite (red) to the threads on Item 9

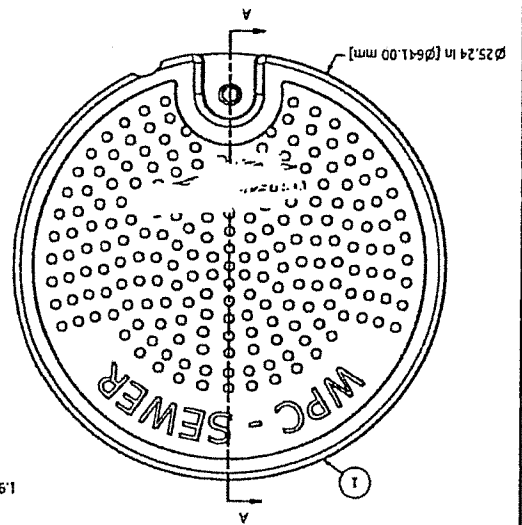
PROJECT FAMILY	PRODUCT SIZE	SCALE	NTS	ASSEMBLY	SHEET 1 OF 1
MA 8.3		B	TBD		



22.39 in [568.81 mm]



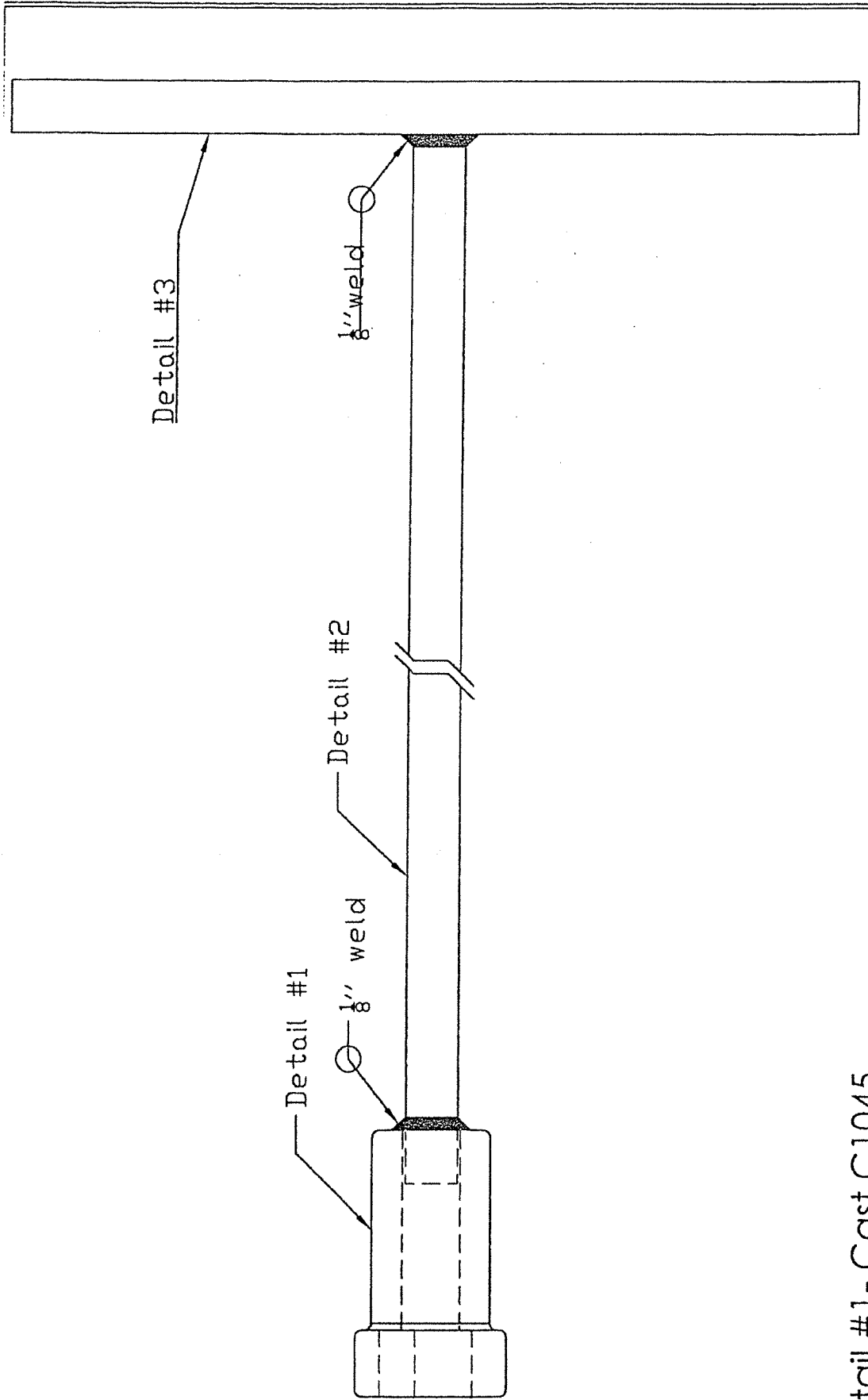
1.19 in [30.26 mm]
 1.94 in [49.23 mm]



25.24 in [641.00 mm]

REVISION HISTORY	
REV	DESCRIPTION

REV	DESCRIPTION	DATE



Detail #3

1/8" weld

Detail #2

Detail #1

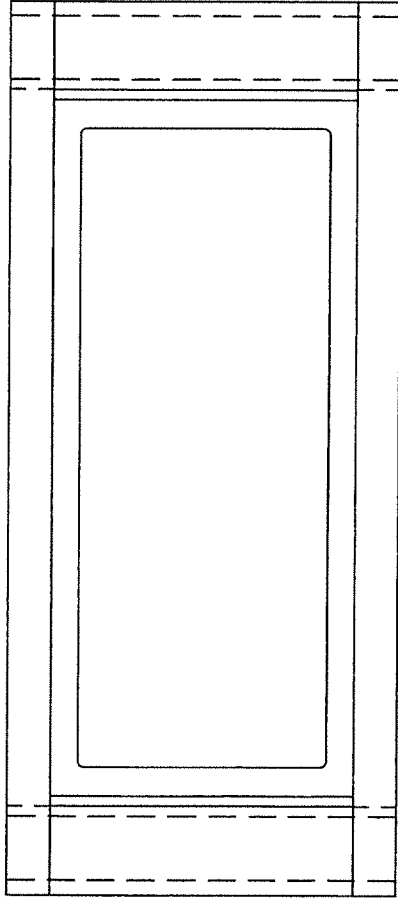
1/8" weld

- Detail #1 - Cast C1045
- Detail #2 - 1/2" x 1/2" x 46"
- Detail #3 - 1/2" x 1/2" x 24"

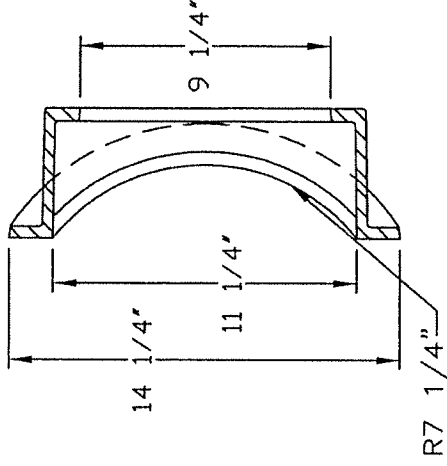
Unless Otherwise Specified
 Tolerances are
 Angles are +/- 1/2°
 Fractions +/- 1/32"
 Decimals are:
 0.0 = +/- 0.015
 0.00 = +/- 0.010
 0.000 = +/- .005
 1/32
 Remove all burrs and sharp edges.

ITEM:	
Product Family:	Key's
Product Size:	
Drawing Number:	CLE #4
Drawn by:	DEH
Date:	06/12/18
Revised:	
Type:	Weldment
Drawn to scale	
File:	

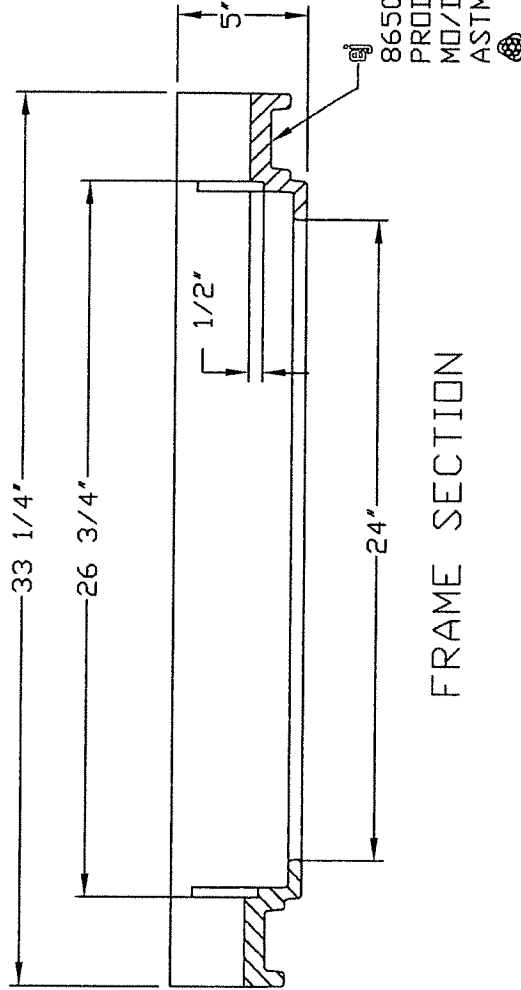
8650Z Frame



PLAN VIEW



FRAME SECTION



FRAME SECTION

8650Z
 PRODD NO.
 MO/DY/YR X
 ASTM A48 CL35B

Product Number
 00865010

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

09/28/2004 Designer: DEW

08/23/2017 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.

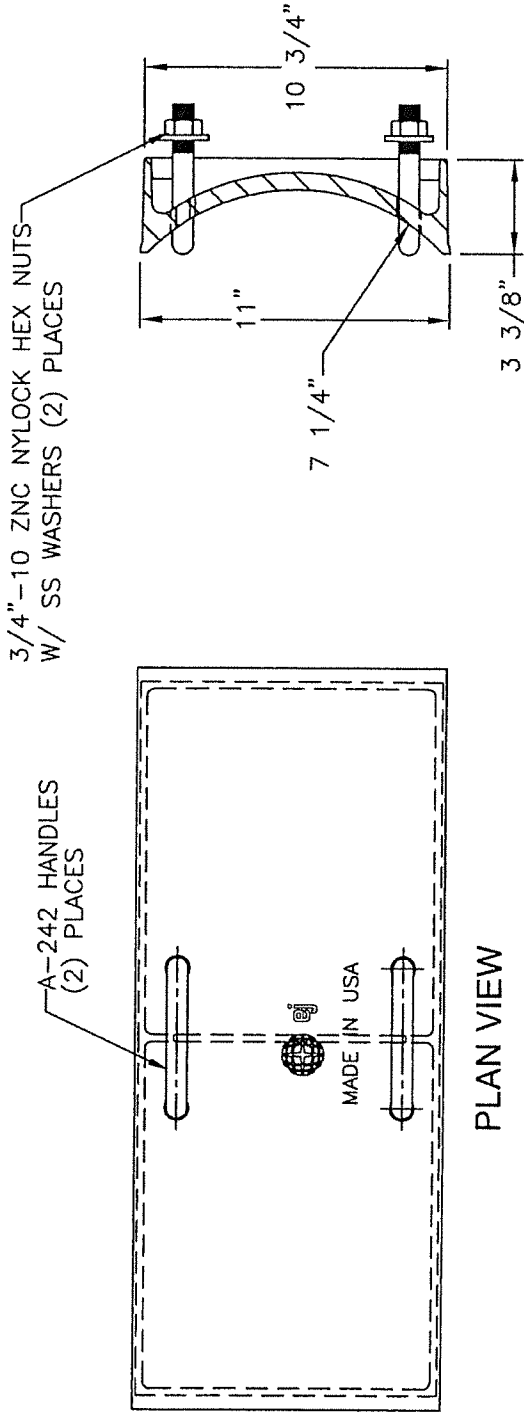
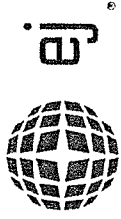
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Contact

800 626 4653

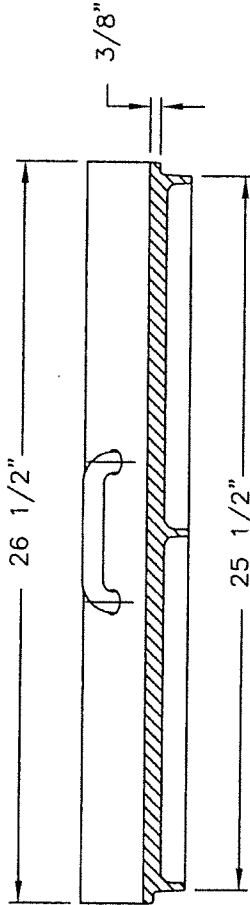
ejco.com

8650A Cover

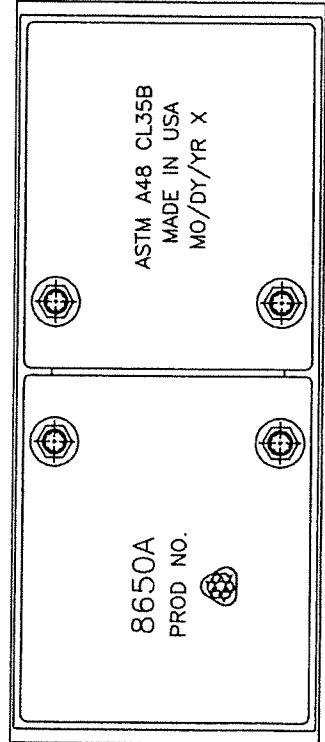


PLAN VIEW

COVER SECTION



COVER SECTION



BOTTOM VIEW

Product Number
00865021

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
04/04/2006 Designer: DEW
08/12/2017 Revised By: DVD

Disclaimer

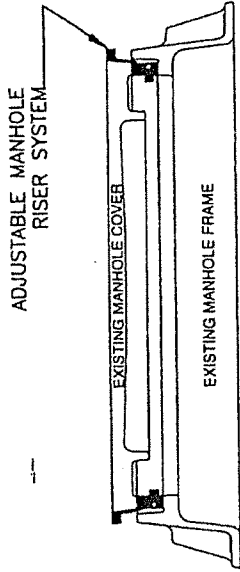
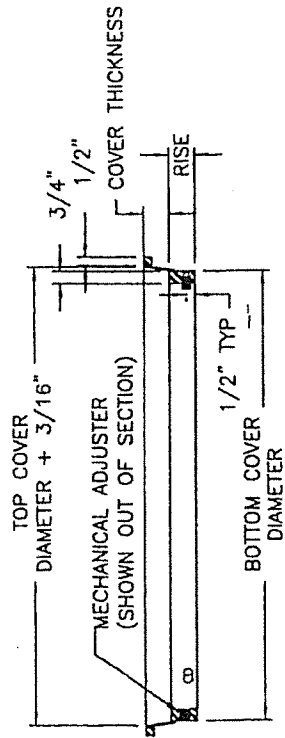
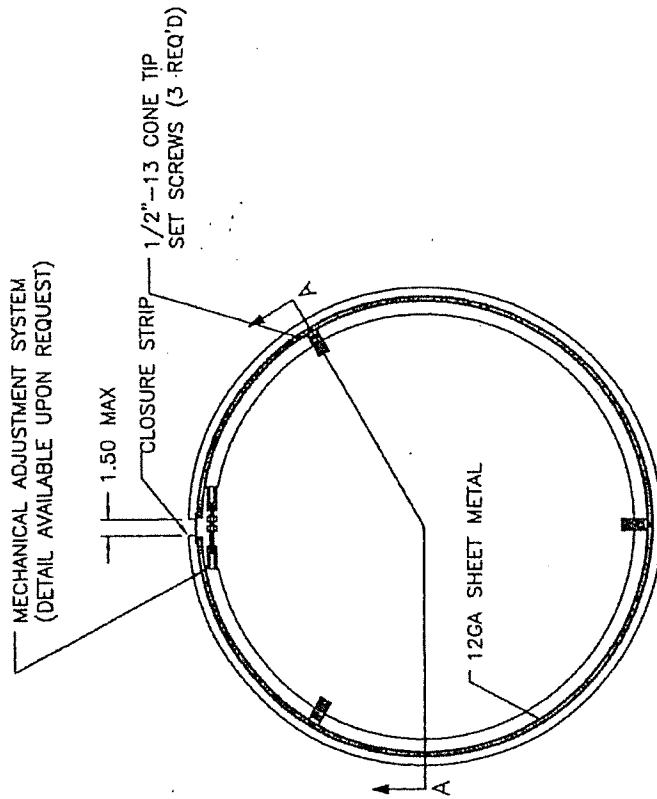
Weights (lbs./kg) dimensions (inches/mm) and drawings provided for your guidance. We reserve the right to modify specifications without prior notice.
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Contact
800 626 4653
ejco.com

M5 Adjustable Steel Riser

7380 Catch Basin Riser 1" - 2516S

M5232520104A



TYPICAL INSTALLATION
SHOWING LID IN RAISED POSITION

NOTES:

- 1.) MATERIAL SHALL MEET OR EXCEED MINIMUM REQUIREMENTS OF ASTM A36 CARBON STEEL.
- 2.) MECHANICAL ADJUSTMENT STUD IS MADE OF TYPE 304 STAINLESS STEEL.
- 3.) ALL "M5" STYLE RISERS ARE FOR HEIGHT ADJUSTMENTS EQUAL TO OR LESS THAN THE THICKNESS OF THE MANHOLE COVER.
- 4.) EACH RISER IS CUSTOM FABRICATED FROM MEASUREMENTS PROVIDED WITH EACH ORDER. REQUIRED MEASUREMENTS INCLUDE THE FOLLOWING:
 - A. EXIST. MANHOLE COVER DIAMETER - TOP & BOTTOM
 - B. EXISTING MANHOLE COVER THICKNESS
 - C. REQUIRED HEIGHT OF ADJUSTMENT
- 5.) MINIMUM RECOMMENDED HEIGHT OF ADJUSTMENT FOR REPAVING PROJECTS IS 1".
- 6.) HEIGHT ADJUSTMENTS ARE AVAILABLE IN 1/4" INCREMENTS.
- 7.) DURING INSTALLATION CHECK FOR FULL BEARING OF LOWER FRAME SECTION ON EXISTING CASTING. OVERTIGHTENING ADJUSTMENT SYSTEM MAY CAUSE UPLIFTING OF RISER.
- 8.) DIMENSIONS MAY VARY TO MEET EXISTING FIELD CONDITIONS. ANY CHANGE IN DIMENSIONS SHALL BE APPROVED BY THE OWNER.
- 9.) AFTER FABRICATION, RISERS ARE COATED WITH EITHER A WATER BASED BITUMINOUS ASPHALT EMULSION PAINT OR BASF E-COAT W/ CHARCOAL BLACK TOPCOAT.
- 10.) AVAILABLE OPTIONS IN LIEU OF CONE POINT SET SCREWS INCLUDE "L" CLIPS WITH HEX HEAD BOLTS.
- 11.) SLOPED RISERS ARE ALSO AVAILABLE.

7380H Round Expandable Steel 1" Adjusting Riser with Set Screws for Cover/Grate 23-1/4" Diameter x 2" Seat Thickness, Painted

Product: M5232520104A

General

- Manufacturing Type: Fabricated
- Product Type: Riser
- Classic Series: 7380
- Related Series: 7380

Features

- Expandable +/- 3/8 inch



Security

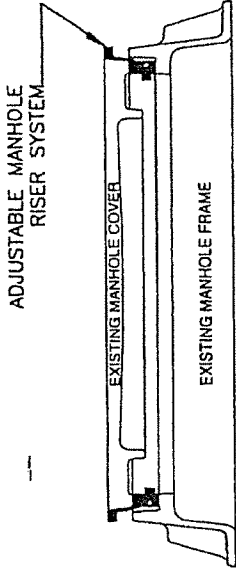
- Lock Type: Set Screw
- Number of Bolts: 3

Characteristics

- Shape: Round
- Material Type: Steel
- Color: Black
- Fabrication Configuration: Flat
- Fastener Material: Stainless Steel

M5 Adjustable Steel Riser

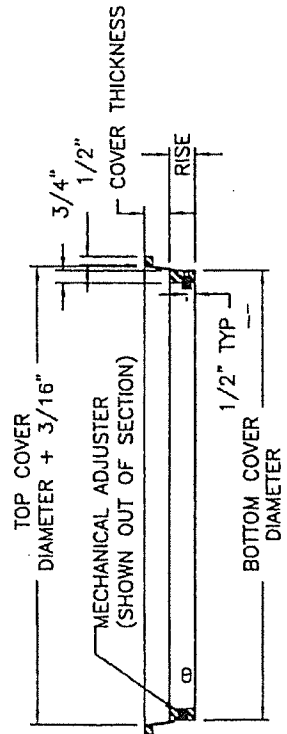
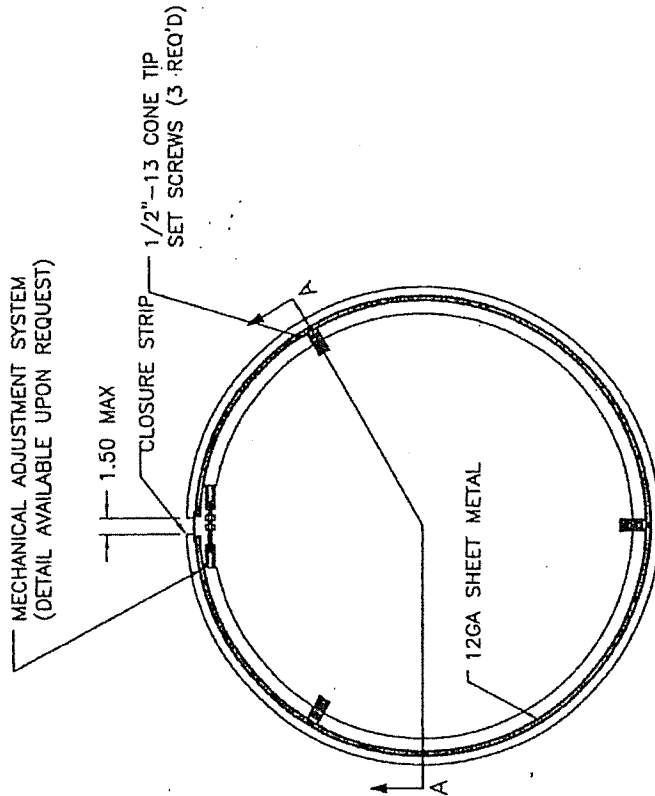
7380 Catch Basin Riser 1-1/2" 3216S
M5232520154A



TYPICAL INSTALLATION
SHOWING LID IN RAISED POSITION

NOTES:

- 1.) MATERIAL SHALL MEET OR EXCEED MINIMUM REQUIREMENTS OF ASTM A36 CARBON STEEL.
- 2.) MECHANICAL ADJUSTMENT STUD IS MADE OF TYPE 304 STAINLESS STEEL.
- 3.) ALL "M5" STYLE RISERS ARE FOR HEIGHT ADJUSTMENTS EQUAL TO OR LESS THAN THE THICKNESS OF THE MANHOLE COVER.
- 4.) EACH RISER IS CUSTOM FABRICATED FROM MEASUREMENTS PROVIDED WITH EACH ORDER. REQUIRED MEASUREMENTS INCLUDE THE FOLLOWING:
 - A. EXIST. MANHOLE COVER DIAMETER - TOP & BOTTOM
 - B. EXISTING MANHOLE COVER THICKNESS
 - C. REQUIRED HEIGHT OF ADJUSTMENT
- 5.) MINIMUM RECOMMENDED HEIGHT OF ADJUSTMENT FOR REPAVING PROJECTS IS 1".
- 6.) HEIGHT ADJUSTMENTS ARE AVAILABLE IN 1/4" INCREMENTS.
- 7.) DURING INSTALLATION CHECK FOR FULL BEARING OF LOWER FRAME SECTION ON EXISTING CASTING. OVERTIGHTENING ADJUSTMENT SYSTEM MAY CAUSE UPLIFTING OF RISER.
- 8.) DIMENSIONS MAY VARY TO MEET EXISTING FIELD CONDITIONS. ANY CHANGE IN DIMENSIONS SHALL BE APPROVED BY THE OWNER.
- 9.) AFTER FABRICATION, RISERS ARE COATED WITH EITHER A WATER BASED BITUMINOUS ASPHALT EMULSION PAINT OR BASF E-COAT W/ CHARCOAL BLACK TOPCOAT.
- 10.) AVAILABLE OPTIONS IN LIEU OF CONE POINT SET SCREWS INCLUDE "L" CLIPS WITH HEX HEAD BOLTS.
- 11.) SLOPED RISERS ARE ALSO AVAILABLE.



7380H Round Expandable Steel 1-1/2" Adjusting Riser with Set Screws for Cover 23-1/4" Diameter x 2" Seat Thickness Painted Black

Product: M5232520154A

General

- Manufacturing Type: Fabricated
- Product Type: Riser
- Classic Series: 7380
- Related Series: 7380

Security

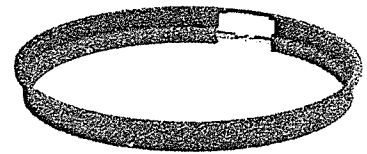
- Lock Type: Set Screw
- Number of Bolts: 3

Characteristics

- Shape: Round
- Material Type: Steel
- Color: Black
- Fabrication Configuration: Flat
- Fastener Material: Stainless Steel

Features

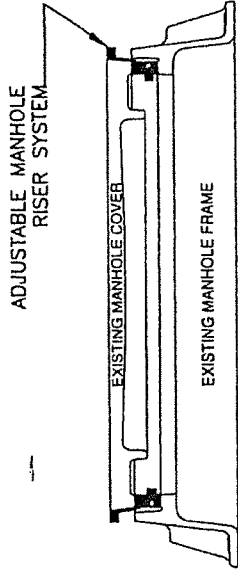
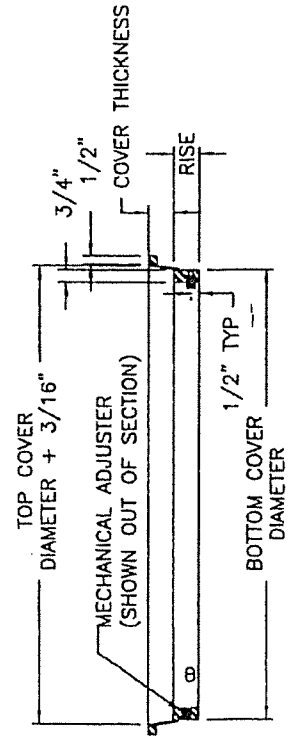
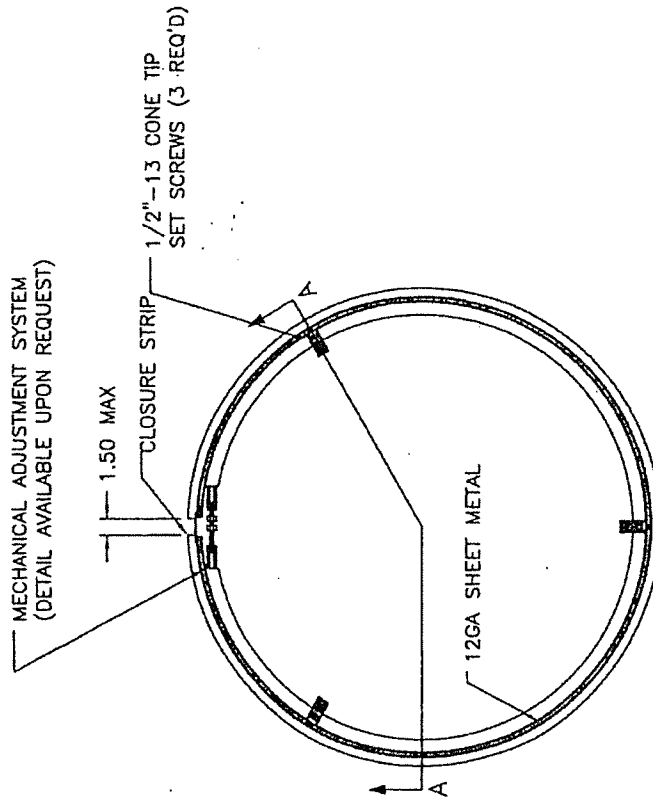
- Expandable +/- 3/8 inch



M5 Adjustable Steel Riser

1700H Manhole Riser 2" 4216S

M5255020204A



**TYPICAL INSTALLATION
SHOWING LID IN RAISED POSITION**

NOTES:

- 1.) MATERIAL SHALL MEET OR EXCEED MINIMUM REQUIREMENTS OF ASTM A36 CARBON STEEL.
- 2.) MECHANICAL ADJUSTMENT STUD IS MADE OF TYPE 304 STAINLESS STEEL.
- 3.) ALL "M5" STYLE RISERS ARE FOR HEIGHT ADJUSTMENTS EQUAL TO OR LESS THAN THE THICKNESS OF THE MANHOLE COVER.
 - A. EXIST. MANHOLE COVER DIAMETER - TOP & BOTTOM
 - B. EXISTING MANHOLE COVER THICKNESS
 - C. REQUIRED HEIGHT OF ADJUSTMENT
- 4.) EACH RISER IS CUSTOM FABRICATED FROM MEASUREMENTS PROVIDED WITH EACH ORDER. REQUIRED MEASUREMENTS INCLUDE THE FOLLOWING:
 - A. EXIST. MANHOLE COVER DIAMETER - TOP & BOTTOM
 - B. EXISTING MANHOLE COVER THICKNESS
 - C. REQUIRED HEIGHT OF ADJUSTMENT
- 5.) MINIMUM RECOMMENDED HEIGHT OF ADJUSTMENT FOR REPAVING PROJECTS IS 1".
- 6.) HEIGHT ADJUSTMENTS ARE AVAILABLE IN 1/4" INCREMENTS.
- 7.) DURING INSTALLATION CHECK FOR FULL BEARING OF LOWER FRAME SECTION ON EXISTING CASTING. OVERTIGHTENING ADJUSTMENT SYSTEM MAY CAUSE UPLIFTING OF RISER.
- 8.) DIMENSIONS MAY VARY TO MEET EXISTING FIELD CONDITIONS. ANY CHANGE IN DIMENSIONS SHALL BE APPROVED BY THE OWNER.
- 9.) AFTER FABRICATION, RISERS ARE COATED WITH EITHER A WATER BASED BITUMINOUS ASPHALT EMULSION PAINT OR BASF E-COAT W/ CHARCOAL BLACK TOPCOAT.
- 10.) AVAILABLE OPTIONS IN LIEU OF CONE POINT SET SCREWS INCLUDE "L" CLIPS WITH HEX HEAD BOLTS.
- 11.) SLOPED RISERS ARE ALSO AVAILABLE.

1700H Expandable Round Steel 2" Adjusting Riser with Set Screws for Cover 25-1/2" Diameter x 2" Seat Thickness, Painted Black

Product: M5255020204A

General

- Manufacturing Type: Fabricated
- Product Type: Riser
- Classic Series: 1700
- Related Series: 1700

Security

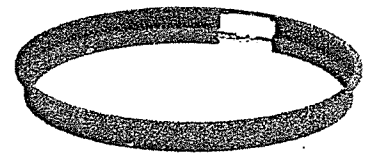
- Lock Type: Set Screw
- Number of Bolts: 3

Characteristics

- Shape: Round
- Material Type: Steel
- Color: Black
- Fabrication Configuration: Flat
- Fastener Material: Stainless Steel

Features

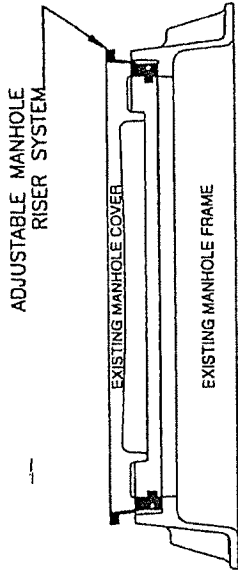
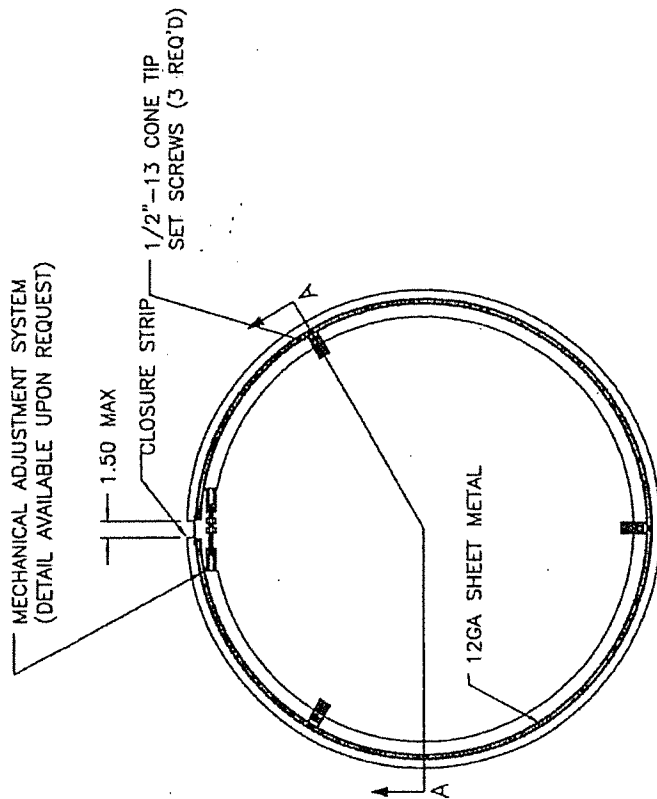
- Expandable +/- 3/8 inch



M5 Adjustable Steel Riser

1700H Manhole Riser 1" 2716S

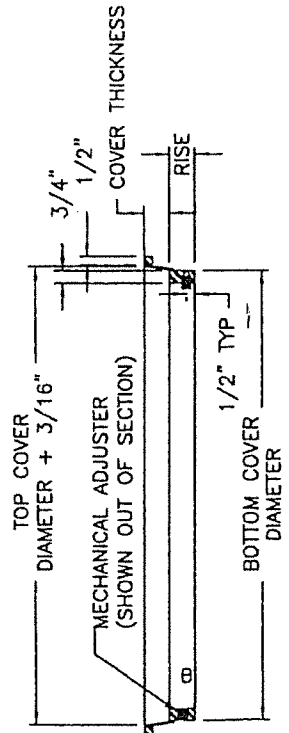
M5255020104A



**TYPICAL INSTALLATION
SHOWING LID IN RAISED POSITION**

NOTES:

- 1.) MATERIAL SHALL MEET OR EXCEED MINIMUM REQUIREMENTS OF ASTM A36 CARBON STEEL.
- 2.) MECHANICAL ADJUSTMENT STUD IS MADE OF TYPE 304 STAINLESS STEEL.
- 3.) ALL "M5" STYLE RISERS ARE FOR HEIGHT ADJUSTMENTS EQUAL TO OR LESS THAN THE THICKNESS OF THE MANHOLE COVER.
- 4.) EACH RISER IS CUSTOM FABRICATED FROM MEASUREMENTS PROVIDED WITH EACH ORDER. REQUIRED MEASUREMENTS INCLUDE THE FOLLOWING:
 - A. EXIST. MANHOLE COVER DIAMETER - TOP & BOTTOM
 - B. EXISTING MANHOLE COVER THICKNESS
 - C. REQUIRED HEIGHT OF ADJUSTMENT
- 5.) MINIMUM RECOMMENDED HEIGHT OF ADJUSTMENT FOR REPAVING PROJECTS IS 1".
- 6.) HEIGHT ADJUSTMENTS ARE AVAILABLE IN 1/4" INCREMENTS.
- 7.) DURING INSTALLATION CHECK FOR FULL BEARING OF LOWER FRAME SECTION ON EXISTING CASTING. OVERTIGHTENING ADJUSTMENT SYSTEM MAY CAUSE UPLIFTING OF RISER.
- 8.) DIMENSIONS MAY VARY TO MEET EXISTING FIELD CONDITIONS. ANY CHANGE IN DIMENSIONS SHALL BE APPROVED BY THE OWNER.
- 9.) AFTER FABRICATION, RISERS ARE COATED WITH EITHER A WATER BASED BITUMINOUS ASPHALT EMULSION PAINT OR BASF E-COAT W/ CHARCOAL BLACK TOPCOAT.
- 10.) AVAILABLE OPTIONS IN LIEU OF CONE POINT SET SCREWS INCLUDE "L" CLIPS WITH HEX HEAD BOLTS.
- 11.) SLOPED RISERS ARE ALSO AVAILABLE.



1700H Expandable Round Steel 1" Adjusting Riser with Set Screws for Cover 25-1/2" Diameter x 2" Seat Thickness, Painted Black

Product: M5255020104A

General

- Manufacturing Type: Fabricated
- Product Type: Riser
- Classic Series: 1700
- Related Series: 1700

Security

- Lock Type: Set Screw
- Number of Bolts: 3

Characteristics

- Shape: Round
- Material Type: Steel
- Color: Black
- Fabrication Configuration: Flat
- Fastener Material: Stainless Steel

Features

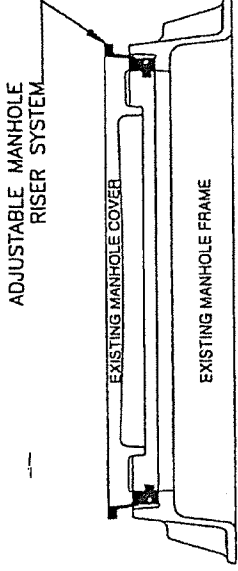
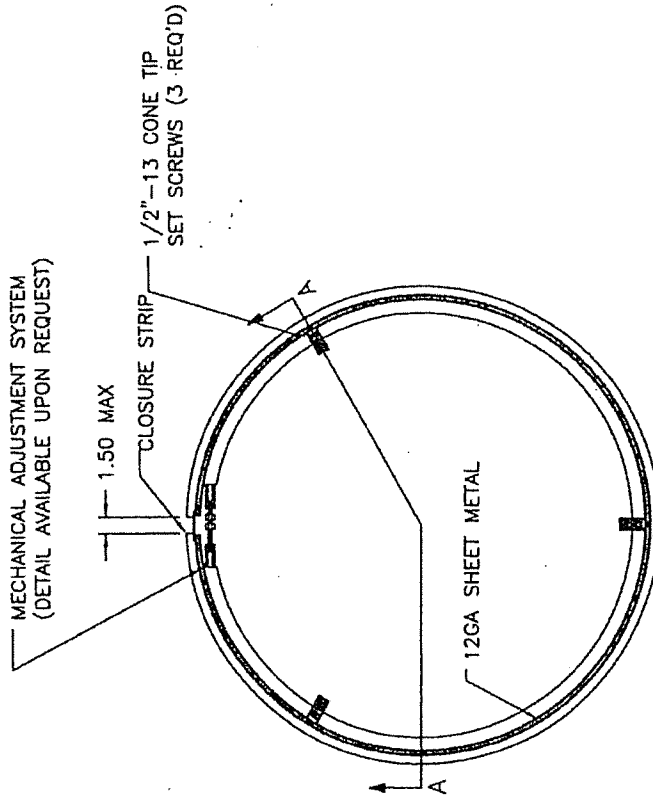
- Expandable +/- 3/8 inch



M5 Adjustable Steel Riser

1700 H Manhole Riser 1-1/2" 3416S

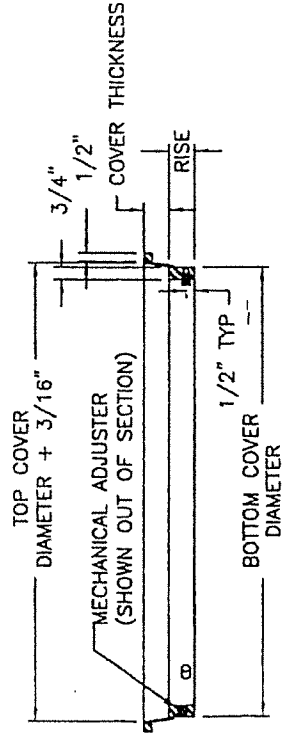
M5255020154A



TYPICAL INSTALLATION
SHOWING LID IN RAISED POSITION

NOTES:

- 1.) MATERIAL SHALL MEET OR EXCEED MINIMUM REQUIREMENTS OF ASTM A36 CARBON STEEL.
- 2.) MECHANICAL ADJUSTMENT STUD IS MADE OF TYPE 304 STAINLESS STEEL.
- 3.) ALL "M5" STYLE RISERS ARE FOR HEIGHT ADJUSTMENTS EQUAL TO OR LESS THAN THE THICKNESS OF THE MANHOLE COVER.
- 4.) EACH RISER IS CUSTOM FABRICATED FROM MEASUREMENTS PROVIDED WITH EACH ORDER. REQUIRED MEASUREMENTS INCLUDE THE FOLLOWING:
 - A. EXIST. MANHOLE COVER DIAMETER - TOP & BOTTOM
 - B. EXISTING MANHOLE COVER THICKNESS
 - C. REQUIRED HEIGHT OF ADJUSTMENT
- 5.) MINIMUM RECOMMENDED HEIGHT OF ADJUSTMENT FOR REPAVING PROJECTS IS 1".
- 6.) HEIGHT ADJUSTMENTS ARE AVAILABLE IN 1/4" INCREMENTS.
- 7.) DURING INSTALLATION CHECK FOR FULL BEARING OF LOWER FRAME SECTION ON EXISTING CASTING. OVERTIGHTENING ADJUSTMENT SYSTEM MAY CAUSE UPLIFTING OF RISER.
- 8.) DIMENSIONS MAY VARY TO MEET EXISTING FIELD CONDITIONS. ANY CHANGE IN DIMENSIONS SHALL BE APPROVED BY THE OWNER.
- 9.) AFTER FABRICATION, RISERS ARE COATED WITH EITHER A WATER BASED BITUMINOUS ASPHALT EMULSION PAINT OR BASF E-COAT W/ CHARCOAL BLACK TOPCOAT.
- 10.) AVAILABLE OPTIONS IN LIEU OF CONE POINT SET SCREWS INCLUDE "L" CLIPS WITH HEX HEAD BOLTS.
- 11.) SLOPED RISERS ARE ALSO AVAILABLE.



1700H Expandable Round Steel 1-1/2" Adjusting Riser with Set Screws for Cover 25-1/2" Diameter x 2" Seat Thickness Painted Black

Product: M5255020154A

General

- Manufacturing Type: Fabricated
- Product Type: Riser
- Classic Series: 1700
- Related Series: 1700

Features

- Expandable +/- 3/8 inch

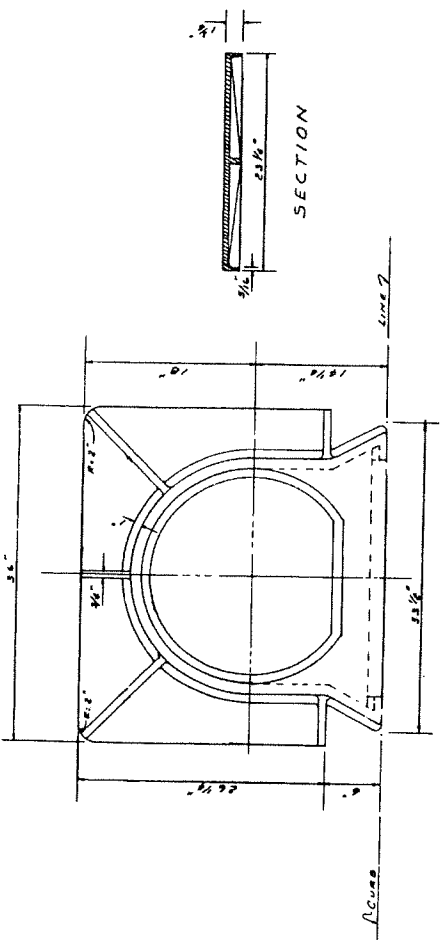


Security

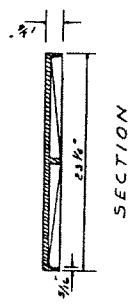
- Lock Type: Set Screw
- Number of Bolts: 3

Characteristics

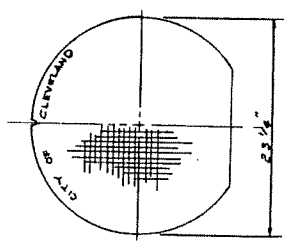
- Shape: Round
- Material Type: Steel
- Color: Black
- Fabrication Configuration: Flat
- Fastener Material: Stainless Steel



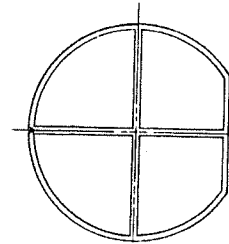
PLAN



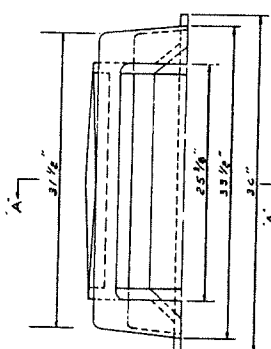
SECTION



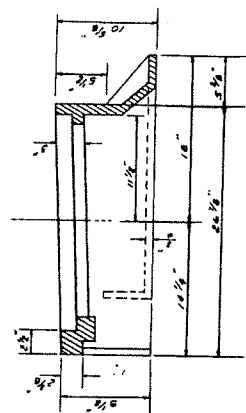
TOP-COVER



BOTTOM-COVER



FRONT ELEVATION



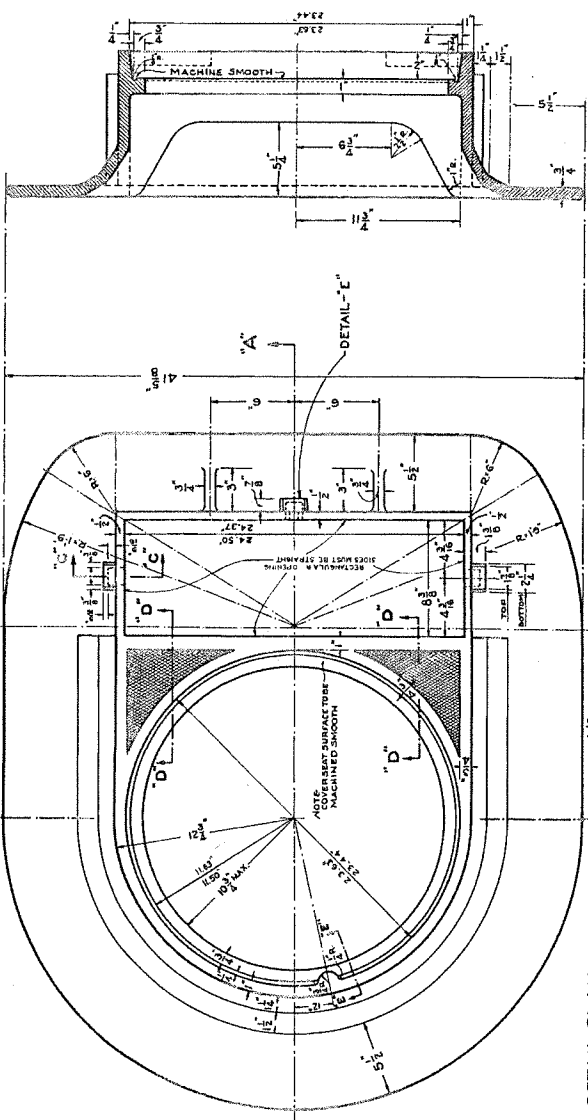
SECTION A - A

MINIMUM WEIGHT OF COVER - 80 POUNDS
 MINIMUM WEIGHT OF FRAME - 450 POUNDS

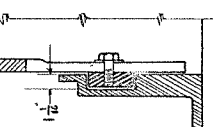
CITY OF CLEVELAND
 ENGINEERING DIVISION
 ROBERT J. KELLY - DIRECTOR OF PUBLIC SERVICE
**SPECIAL CAST IRON
 FRAME AND COVER FOR OLD
 STYLE CATCH BASIN**
 SCALE: AS SHOWN
 DRAWN BY: KENYON DATE 11/9/65
 SUBMITTED BY: J. F. H. DATE 9/20/66
 APPROVED: J. P. [Signature] DATE 9/28/66
 APPROVED: [Signature] DATE 9/28/66
 CHIEF OF ENGR.

FILE NO 241 ME

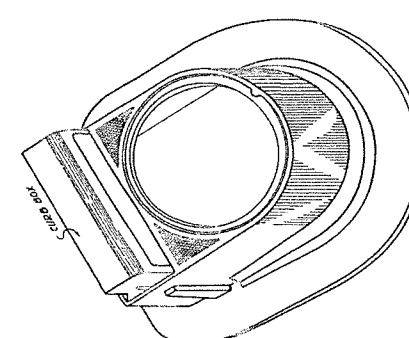
EXEPT WHERE INDICATED ALL DIMENSIONS OF THIS DRAWING



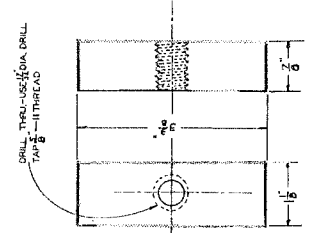
DETAIL PLAN
STANDARD CATCH BASIN FRAME
SCALE 3/4"=1'-0"



SECTION "C-C"
WITH CURB BOX, BOLT
& BLOCK IN PLACE



SKETCH OF STD. CATCH BASIN FRAME
SHOWING CURB BOX IN PLACE

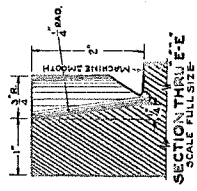


DRILL THEN USE 1/4" DIA. DRILL
TAP 1.00" DEPTH

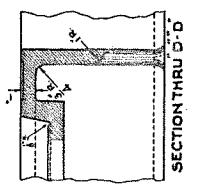
SCALE - FULL SIZE
MATERIAL - STEEL

2 REQ. PER FRAME
BLOCK
CURB BOX SUPPORT

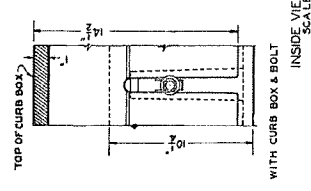
BSM-1-A



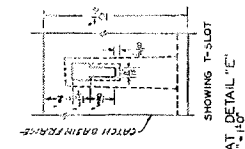
SECTION THRU "E-E"
SCALE FULL SIZE



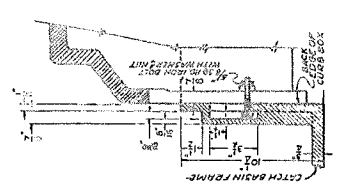
SECTION THRU "D-D"



TOP OF CURB BOX
WITH CURB BOX & BOLT



INSIDE VIEW AT DETAIL "E"
SCALE 3/4"=1'-0"



DETAIL "E-E"
SHOWING CURB BOX &
BOLT IN T-SLOT IN FRAME

DEPARTMENT OF PUBLIC UTILITIES
DIVISION OF SEWAGE DISPOSAL
CLEVELAND, OHIO

STANDARD CATCH BASIN FRAME

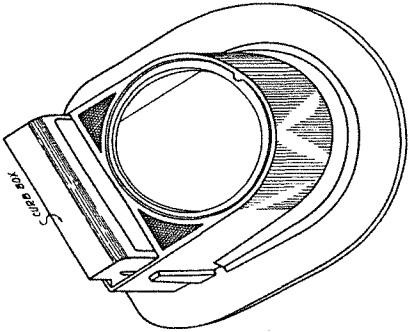
CAST IRON

REDRAWN FROM A-1684 WITH REVISIONS
DRAWN BY: J.A.A. DATE: 2-22-33
CHECKED BY: DATE: 2-22-33
SCALE: AS NOTED

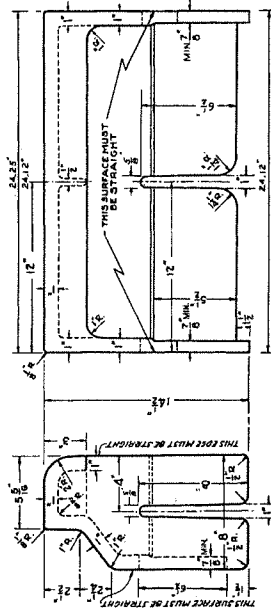
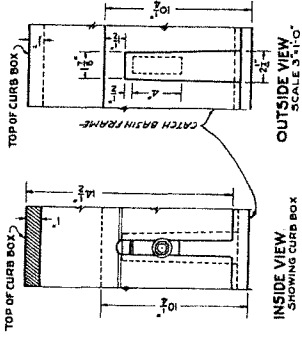
BSM-1

MINIMUM WEIGHT - 480 LBS

EXCEPT WHERE LIMITS ARE NOTED A CASTING VARIATION OF 1/8" PER FOOT PERMITTED



SKETCH OF STD. CATCH BASIN FRAME
SHOWING CURB BOX IN PLACE



FRONT VIEW OF CURB BOX
SCALE 3/4"=1'-0"

END VIEW
CURB BOX

MINIMUM WEIGHT --- 150 POUNDS

DEPARTMENT OF PUBLIC UTILITIES
DIVISION OF SEWAGE DISPOSAL
CLEVELAND OHIO

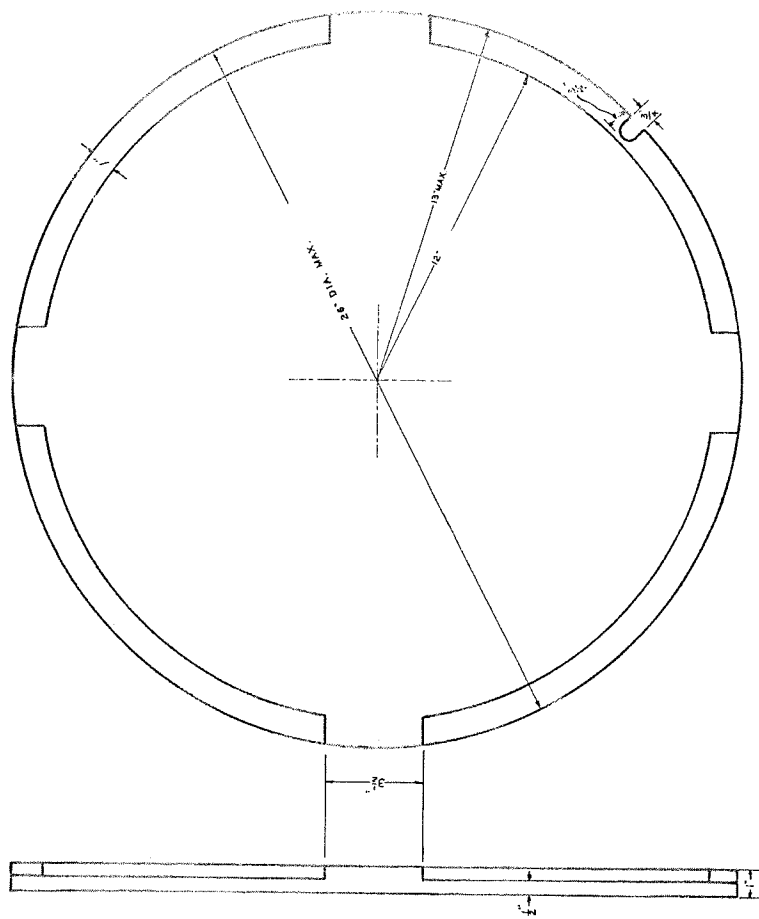
CURB BOX
FOR
STANDARD CATCH BASIN FRAME

DRAWN BY: ZAC
CHECKED BY: _____
DATE: 12-23-31
SCALE: -AL 3/8"=1'

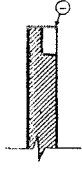
CAST IRON
EXCEPT WHERE LIMITS ARE NOTED --- A CASTING VARIATION OF 1/8" PER FOOT PERMITTED

BSM - 2

NO.	DATE	CHANGE
1		AMEND DRAWING TO CLARIFY ZONE



GROOVES — $\frac{1}{8}$ \"/>



SECTION — "A" — "A"

CAST IRON

MINIMUM WEIGHT — 75 LBS

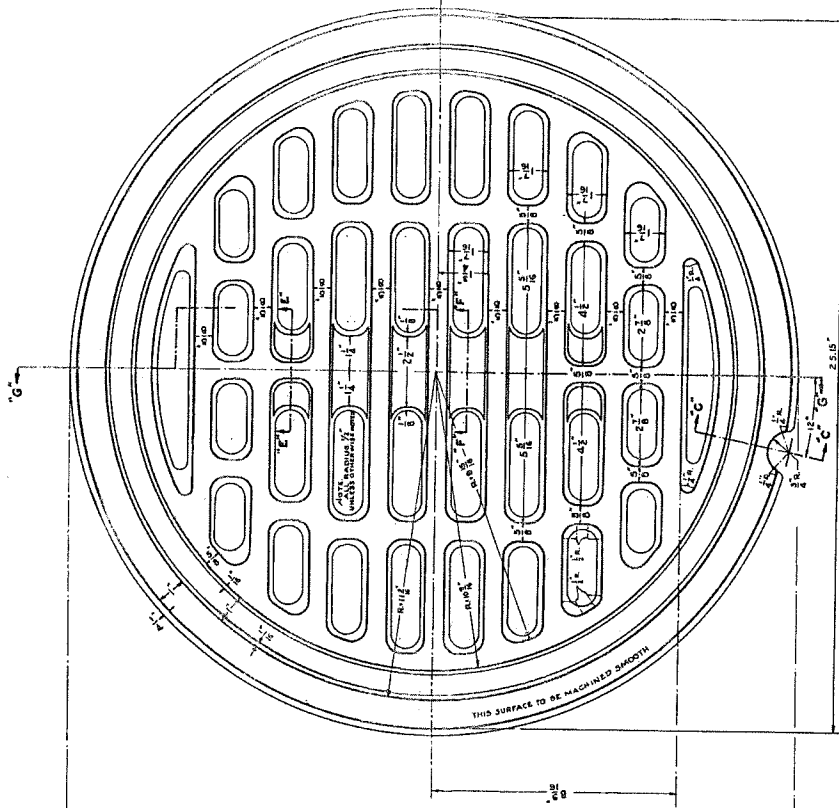
DEPARTMENT OF PUBLIC UTILITIES
DIVISION OF SEWAGE DISPOSAL
CLEVELAND, OHIO

MANHOLE COVER
FOR
REIN. CONCRETE OR STONE SLABS

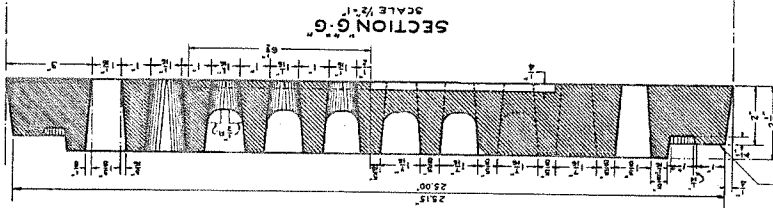
DRAWN BY — CATALANO
DATE — 8-20-83
SCALE — 1" = 1'-0"

A CASTING VARIATION OF $\frac{1}{8}$ " PER FOOT PERMITTED

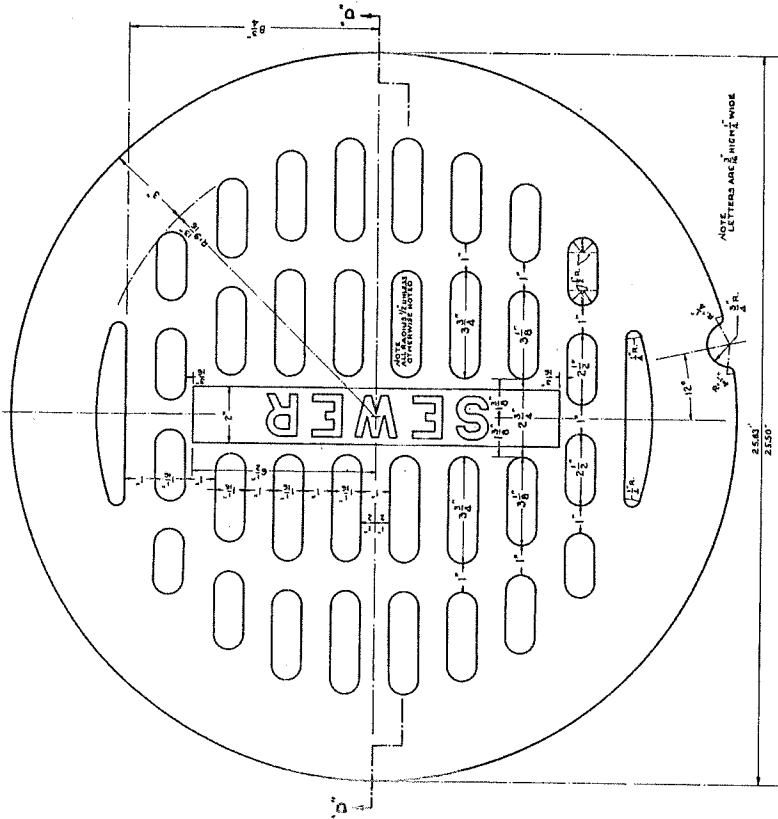
BSM-4



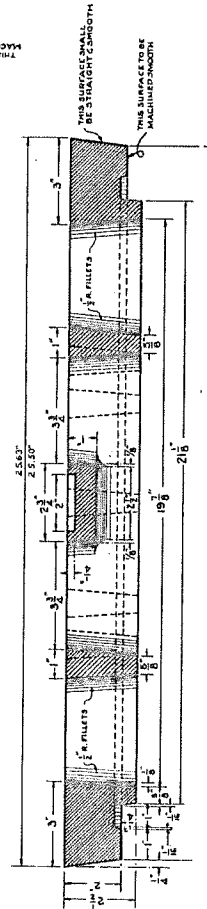
PLAN OF BOTTOM
SCALE 1/2" = 1'



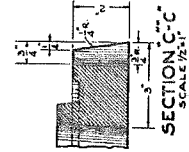
SECTION G-G
SCALE 1/2" = 1'



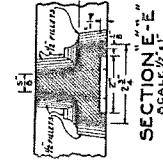
PLAN OF TOP
SCALE 1/2" = 1'



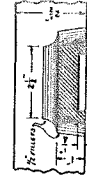
SECTION D-D
SCALE 1/2" = 1'



SECTION C-C
SCALE 1/2" = 1'



SECTION E-E
SCALE 1/2" = 1'

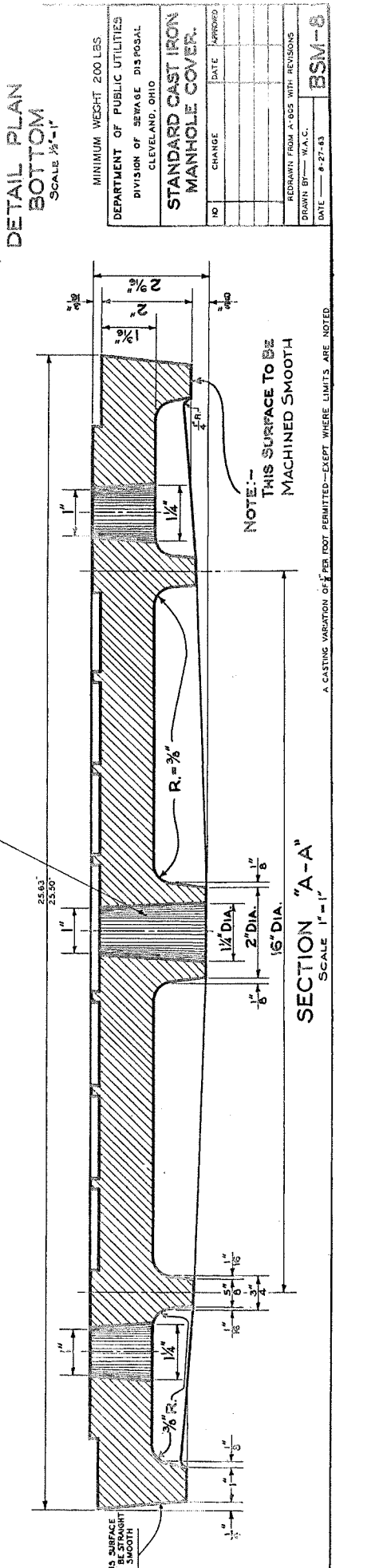
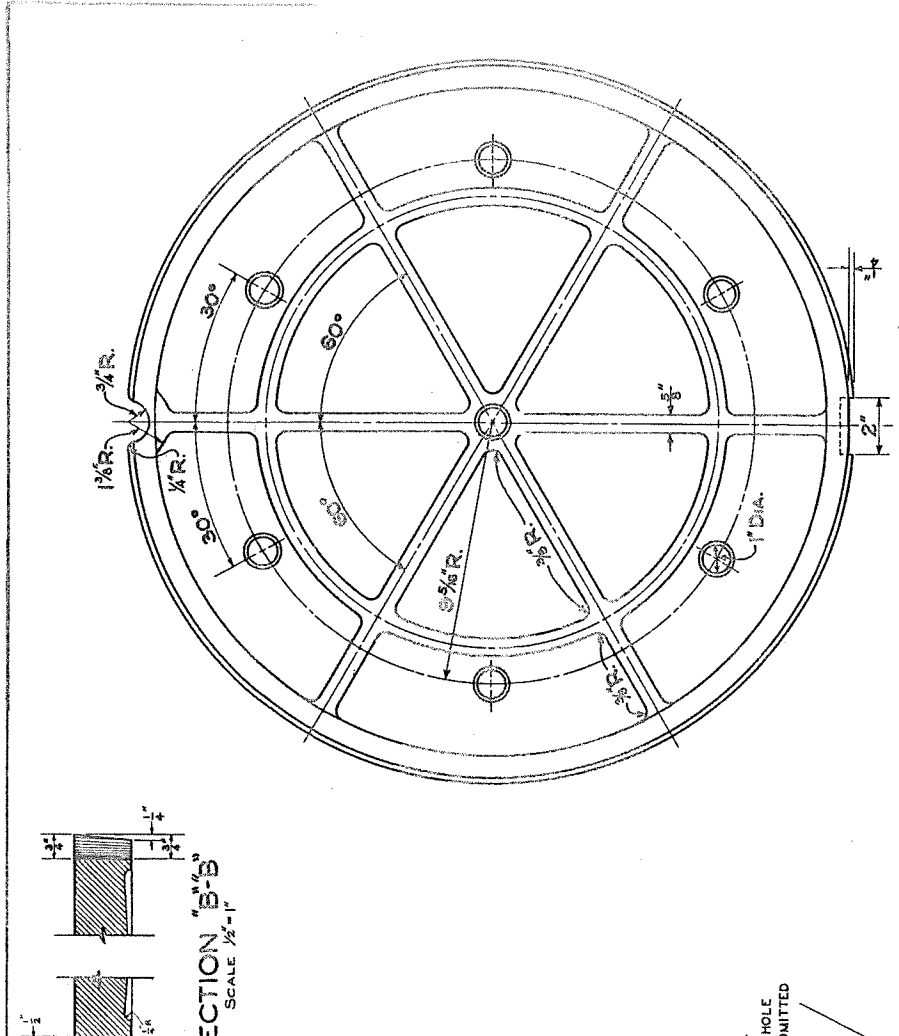
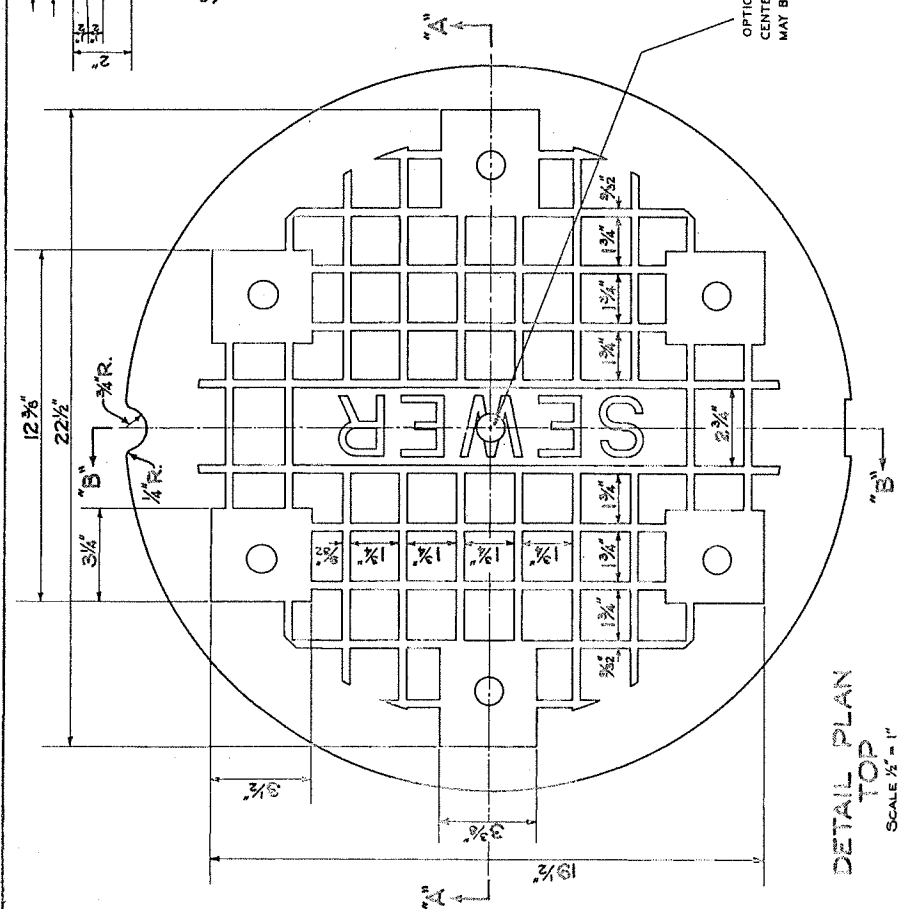


SECTION F-F
SCALE 1/2" = 1'

CITY OF CLEVELAND	
DEPARTMENT OF PUBLIC UTILITIES	
DIVISION OF SEWER DISPOSAL	
PLAN OF STANDARD	
CAST IRON OPEN GRATE	
MANHOLE COVER	
NO.	CHANGE
DATE	APPROVED
REDRAWN FROM A-684 WITH REVISIONS	
DRAWN BY GATLAND	
DATE 8-22-35	
BSM-C	

MINIMUM WEIGHT - 190 LBS

EXCEPT WHERE LIMITS ARE NOTED - A CASTING VARIATION OF 1/8" PER FOOT PERMITTED



1700Z FRAME

PRODUCT NUMBER

00170010

DESIGN FEATURES

MATERIALS

FRAME-GRAY IRON
ASTM A48 CL35B

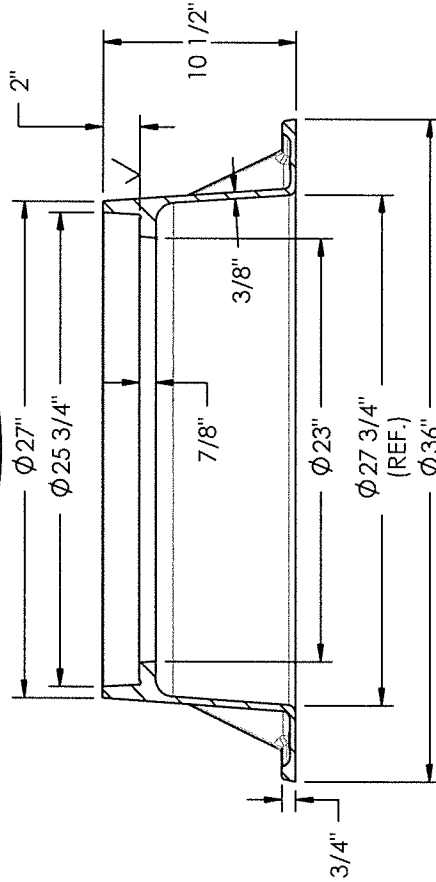
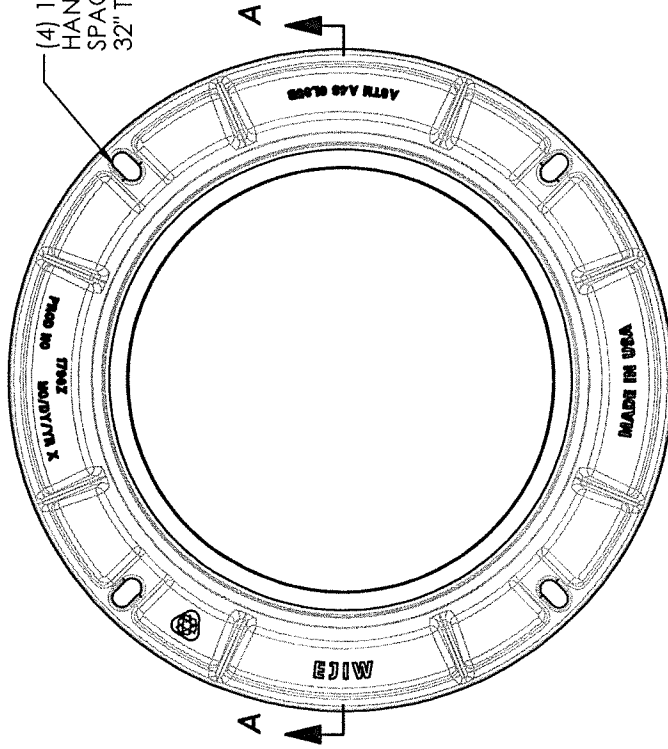
DESIGN LOAD
HEAVY DUTY

COATING
DIPPED

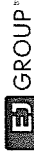
OPEN AREA

✓ DESIGNATES MACHINE SURFACE

(4) 1" WIDE X 1 3/4" LONG
HANDLING SLOTS EQUALLY
SPACED 90° APART ON A
32" TO 33 1/2" DIA. B.C.



Corporate
Headquarters
301 Spring Street
PO Box 439
East Jordan, MI
49727-0439
800.874.4100



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More Information

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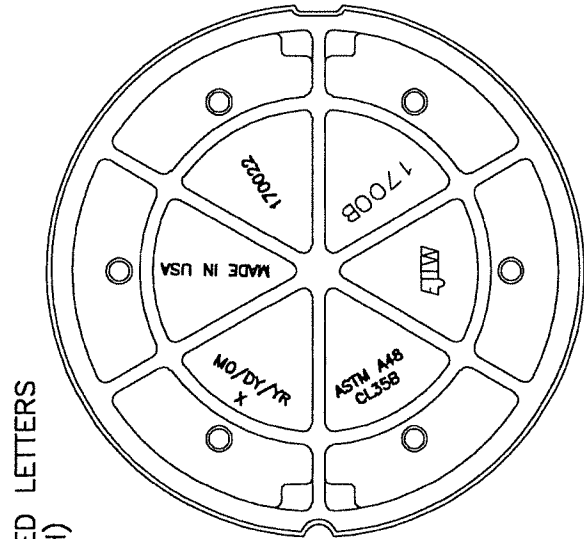
DRAWING DETAILS

ORIGINAL DRAWING: JJD 9/30/2011

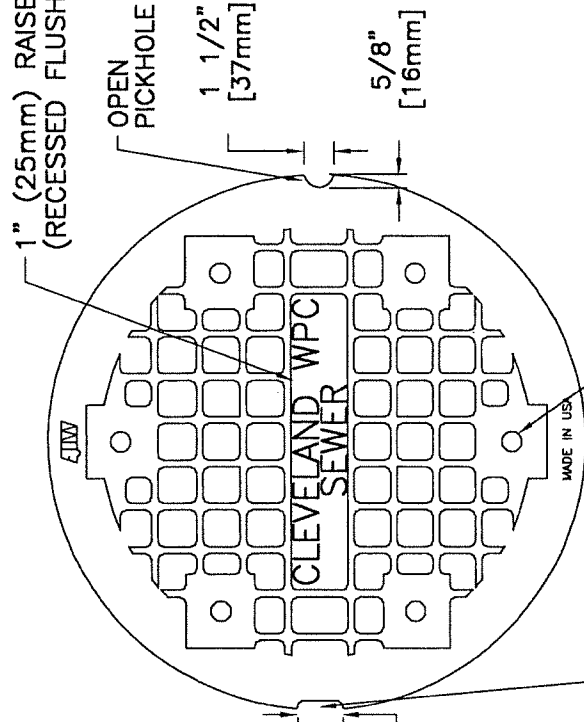
REVISED BY:

CONFIDENTIAL: This drawing is the property of East Jordan Iron Works, Inc., and embodies confidential information, registered marks, trade secret information, and/or know how that is the property of East Jordan Iron Works, Inc. ©Copyright 2009 East Jordan Iron Works, Inc.

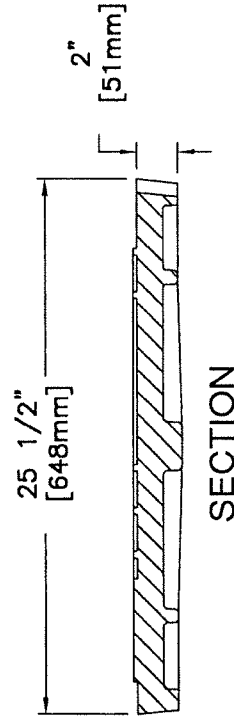
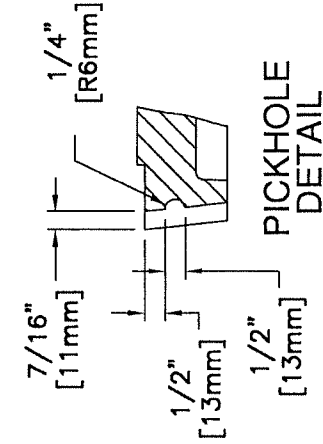
*Weights (lbs./kg.) dimensions (inches/mm.), and drawings provided for your guidance.
*We reserve the right to modify specifications without prior notice.
*Uncontrolled distribution.



BOTTOM VIEW

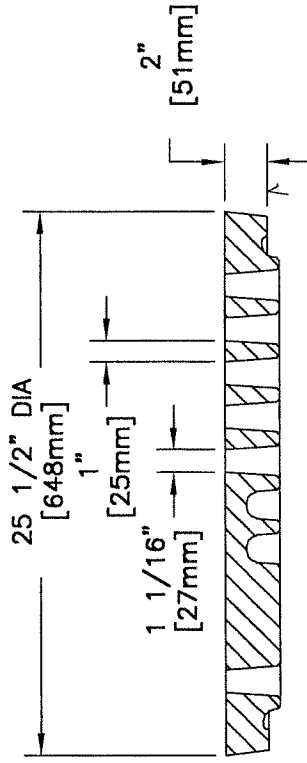
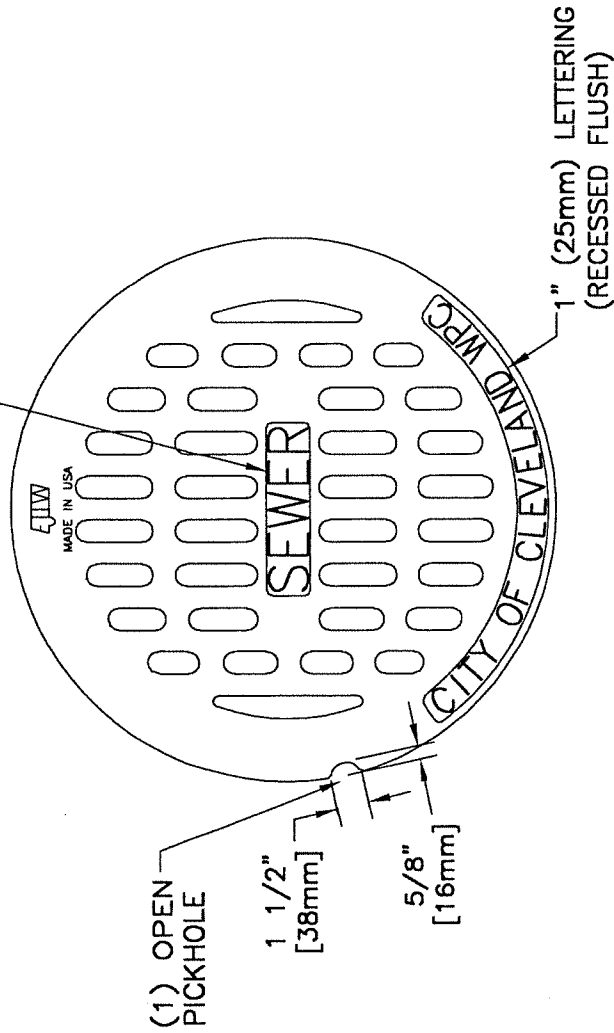


SECTION



**City of Cleveland-Division of Water Pollution Control
Manhole Cover with holes EJIW 1700 or approved equal**

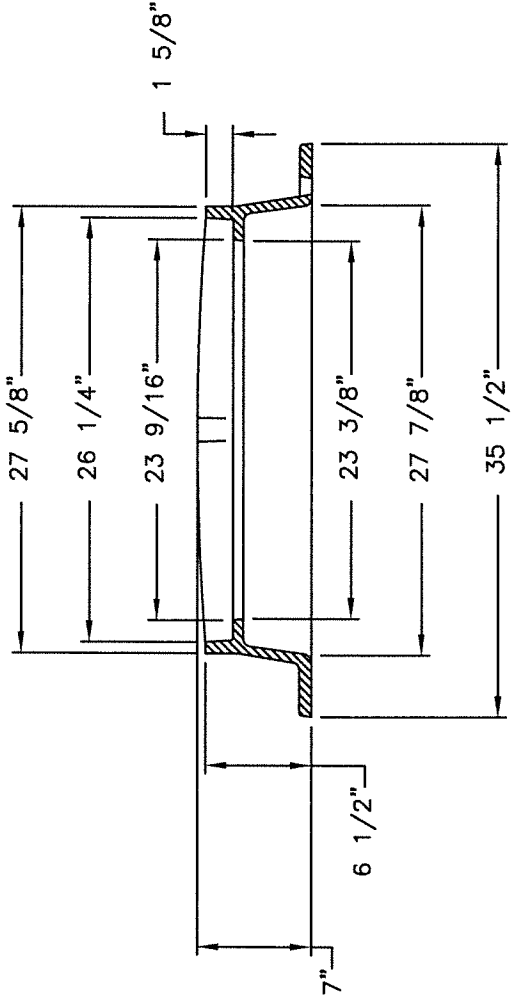
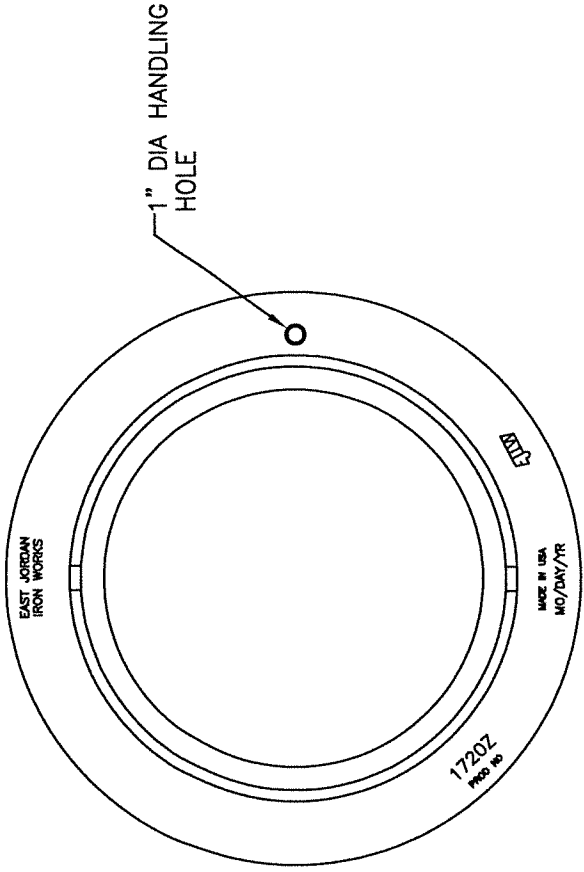
1 3/4" (44mm) LETTERING
(RECESSED FLUSH)



GRATE SECTION

City of Cleveland-Division of Water Pollution Control Manhole Cover - Open Grate - EJW 1700 M or approved equal

1720 Frame



FRAME SECTION

Product Number

00172010

Design Features

- Materials Gray Iron (CL35)
- Design Load Heavy Duty
- Open Area n/a
- Coating

-√ Designates Machined Surface

Certification

- ASTM A48
- AASHTO M306
- Country of Origin: USA

Estimated Weight

181.0 lbs.

Drawing Revision

10/15/1999 Designer: SBB
03/21/2012 Revised By: DJH

Disclaimer

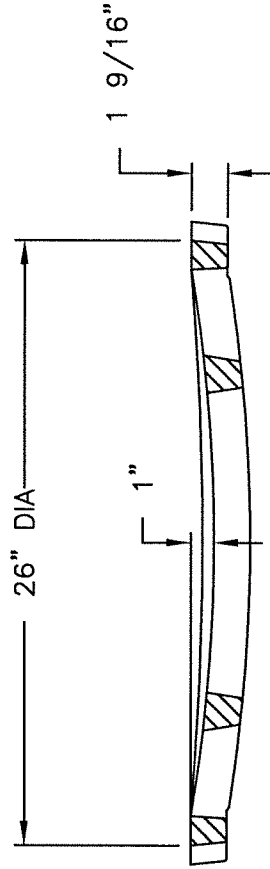
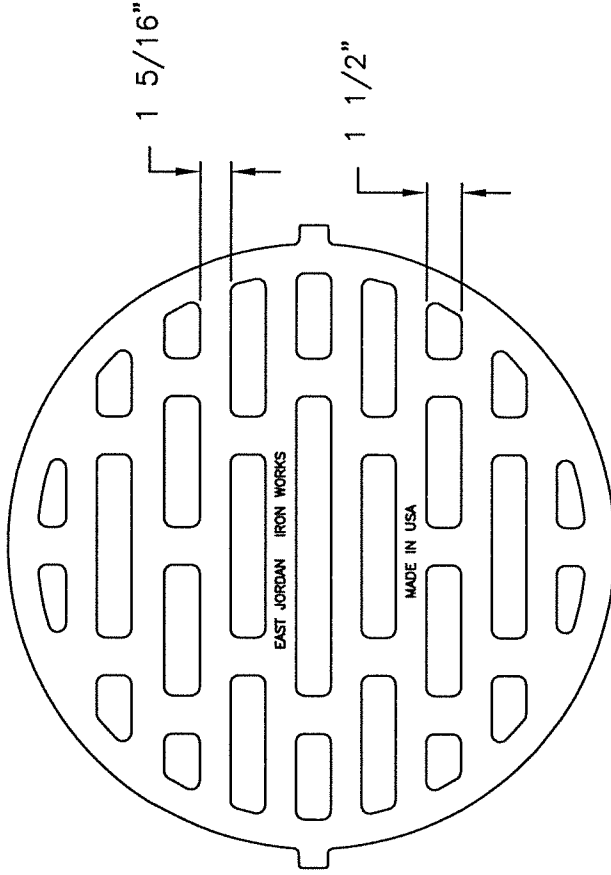
Weights (lbs./kg) dimensions (inches/mm) and drawings provided for your guidance. We reserve the right to modify specifications without prior notice.

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Contact

800 626 4653
ejco.com

1720 Grate



Product Number
00172047

Design Features

-Materials

Gray Iron (CI-35)

-Design Load

Heavy Duty

-Open Area

n/a

-Coating

Dipped

- Designates Machined Surface

Certification

-ASTM A48

-AASHTO M306

-Country of Origin: USA

Estimated Weight
133.0 lbs.

Drawing Revision

1/29/1997 Designer: SBB

4/25/2012 Revised By: DJH

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

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EAST JORDAN
IRON WORKS, INC.
P.O. BOX 439
EAST JORDAN, MI. 49727
1-800-874-4100
FAX 231-536-4458

DRAWN	DATE
TCL	06/01/06
MODIFIED	DATE

ASSEMBLY

PRODUCT NUMBER
00173100

CATALOG NUMBER
1730A
1731Z

PRODUCT NUMBERS
00173020
00173110

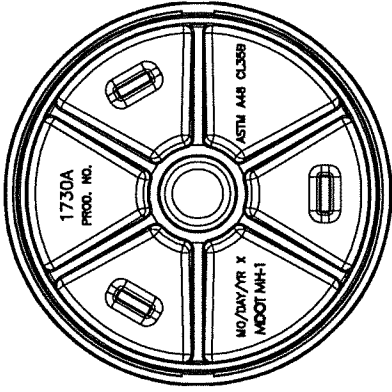
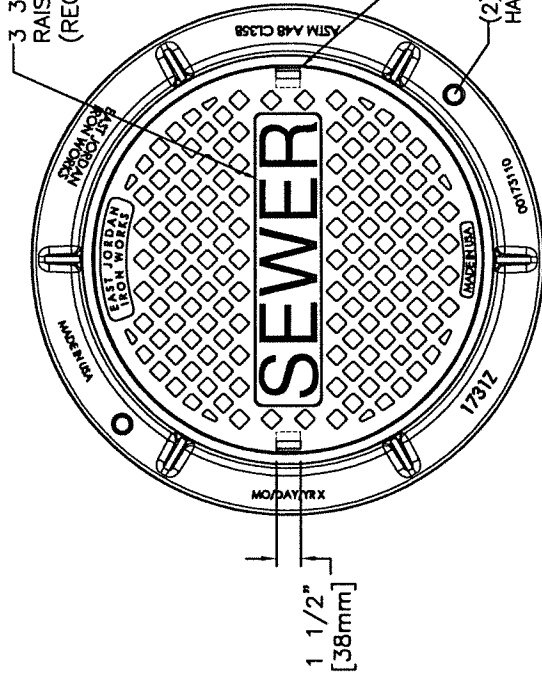
ESTIMATED WEIGHT
COVER: 168 LBS 76kg
FRAME: 240 LBS 109kg
UNIT: 408 LBS 185kg

OPEN AREA
N/A

MAT'L SPEC.
COVER - GRAY IRON
ASTM A48 CL35B
FRAME - GRAY IRON
ASTM A48 CL35B

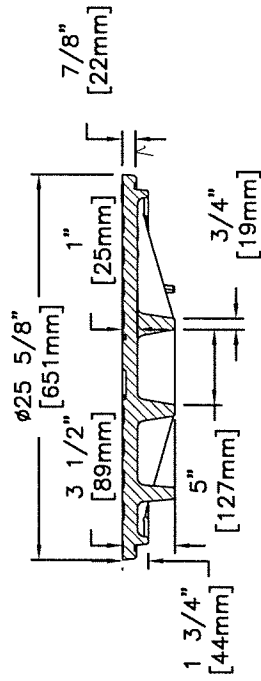
LOAD RATING
HEAVY DUTY

3 3/4" FLAT FACED GOTHIC
RAISED LETTERING
(RECESSED FLUSH)

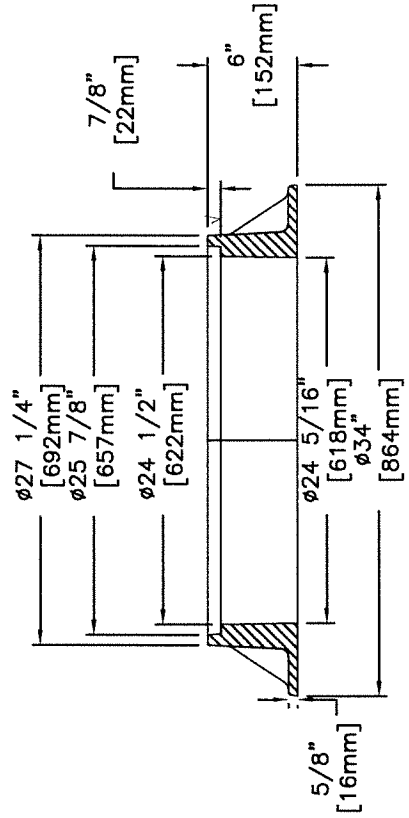


BOTTOM COVER

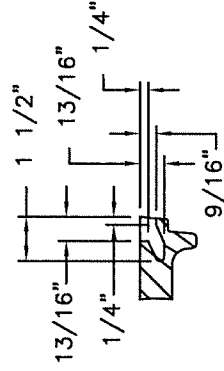
PLAN VIEW



SECTION VIEW

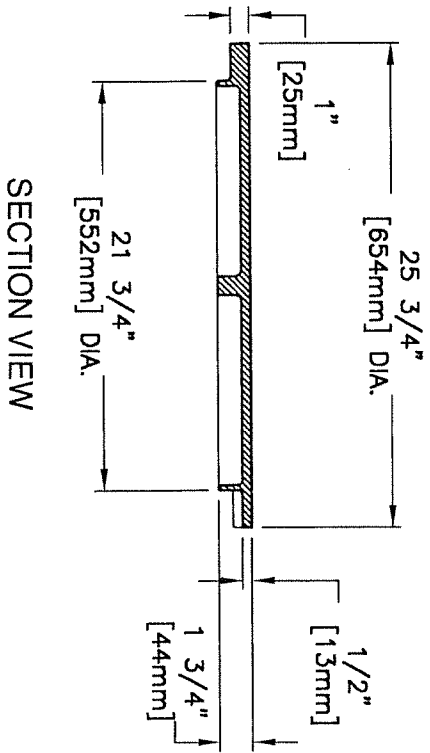


SECTION VIEW

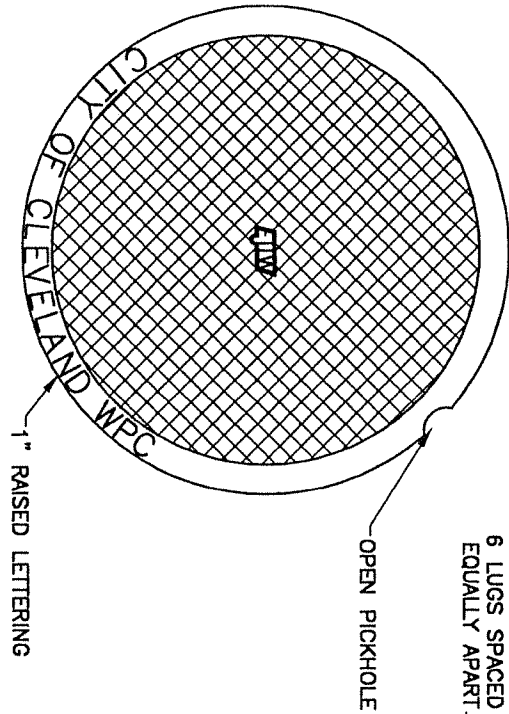


PICKHOLE DETAIL

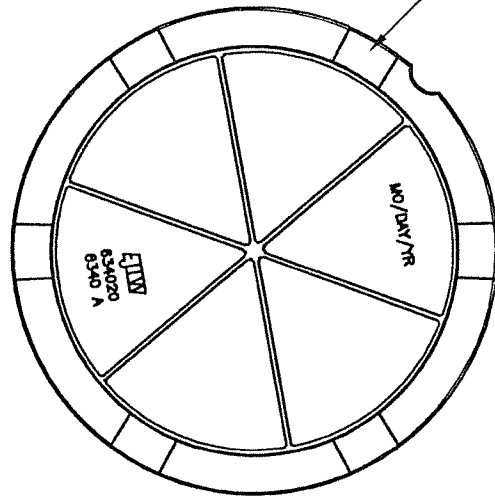
✓ MACHINED SURFACE



PLAN VIEW



BOTTOM VIEW



City of Cleveland-Division of Water Pollution Control

**Manhole/Catch Basin Cover EJIW 6340 A
or approved equal**

EJW EAST JORDAN
 IRON WORKS EST. 1883
 800-626-4653
 www.ejiw.com
 MADE IN USA

PRODUCT NUMBER
00703040

CATALOG NUMBER
7030M2

CATCH BASIN
 GRATE

LOAD RATING
 HEAVY DUTY

COATING
 DIPPED

MATERIAL SPECIFICATION
 GRATE - GRAY IRON
 ASTM A48 CL35B

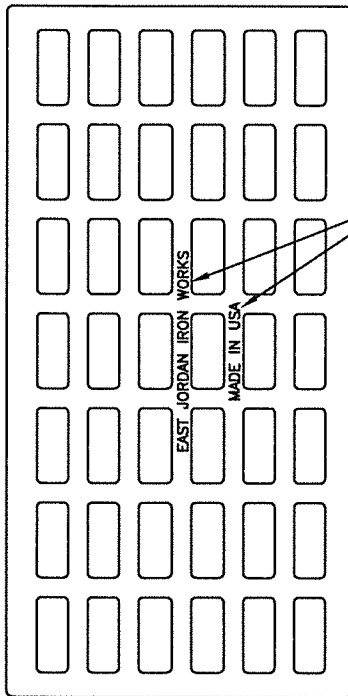
OPEN AREA
 260 SQ IN

✓ DESIGNATES MACHINED SURFACE

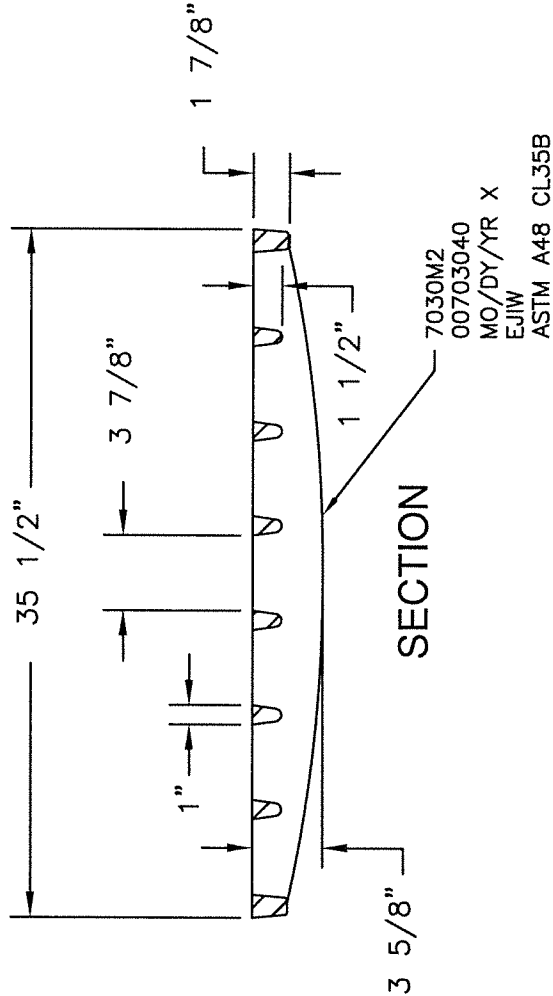
DRAWN DEW DATE
 08/02/00

LAST REVISED DAL DATE
 02/17/09

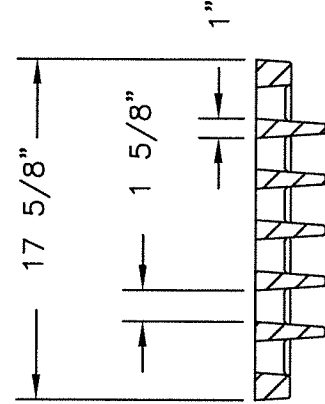
REFERENCE INFORMATION



1/2" LETTERING



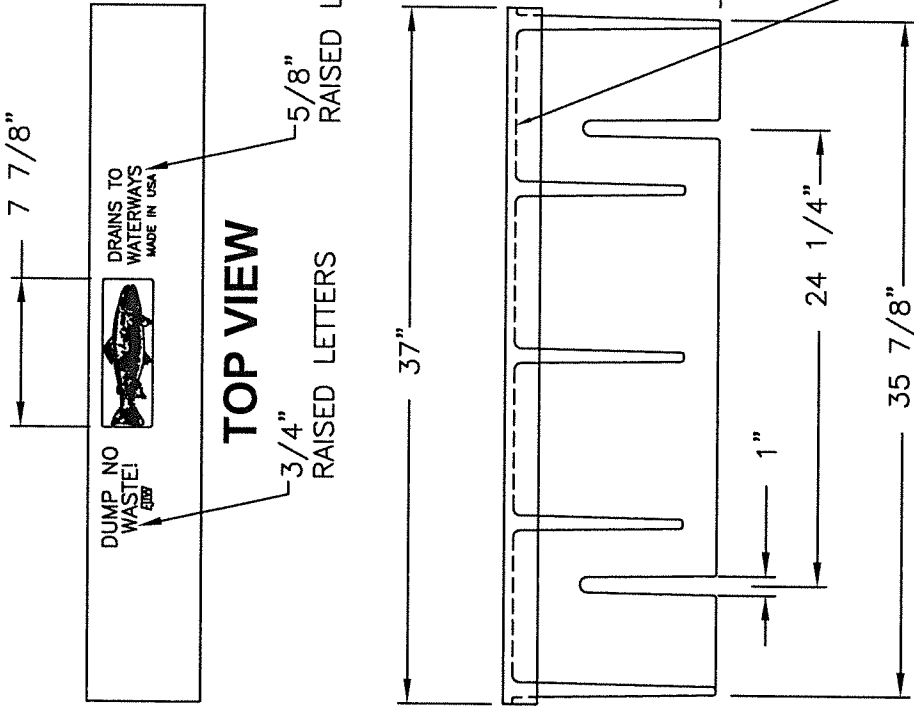
SECTION



SECTION

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7030T1 BACK



CURB ADJUSTMENT
3 1/4" TO 9"

SIDE VIEW

FRONT VIEW

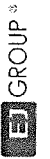
EJIW
00703072
7030T1
MO/DAY/YR
ASTM A48 CL35B

PRODUCT NUMBER
00703072

DESIGN FEATURES
MATERIALS
BACK-GRAY IRON
ASTM A48 CL35B

DESIGN LOAD
HEAVY DUTY
COATING
DIPPED
OPEN AREA
N/A
√ DESIGNATES MACHINED
SURFACE

Corporate
Headquarters
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East Jordan, MI
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DRAWING DETAILS
ORIGINAL DRAWING: DEW 08/03/00
REVISED BY: GAD 01/14/10

7035Z1 FRAME

PRODUCT NUMBER

00703512

DESIGN FEATURES

MATERIALS

FRAME-GRAY IRON
ASTM A48 CL35B

DESIGN LOAD

HEAVY DUTY

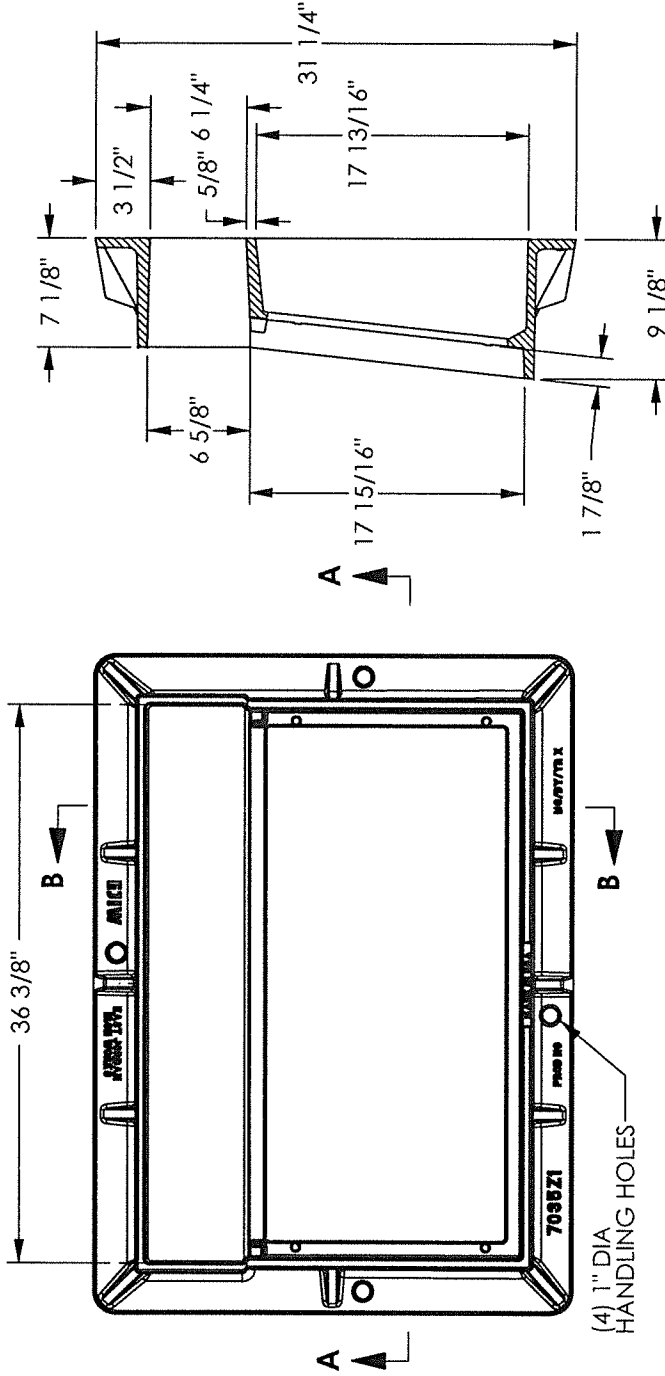
COATING

DIPPED

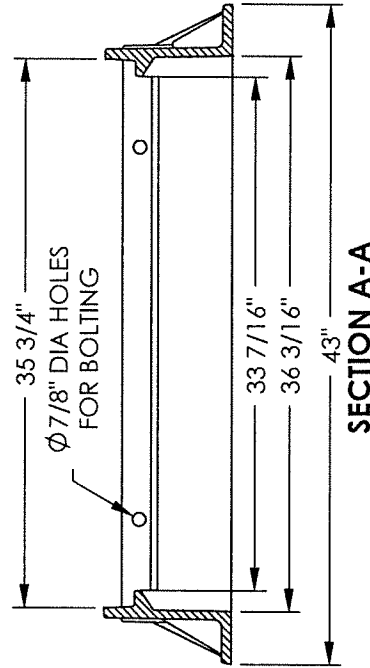
OPEN AREA

N/A

✓ DESIGNATES MACHINE SURFACE

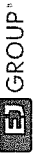


SECTION B-B



SECTION A-A

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DRAWING DETAILS

ORIGINAL DRAWING: DEW 3/1/2006

REVISED BY:

DEW 2/11/2011

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 FAX 231-536-4458

DRAWN DATE
 DEW 04/19/05

APPROVED DATE

CATCH BASIN
 GRATE

PRODUCT NO.
 00735033
 DIPPED

CATALOG NO.
 7350M2

REF. PRODUCT DRAWING
 735033

EST. WT.

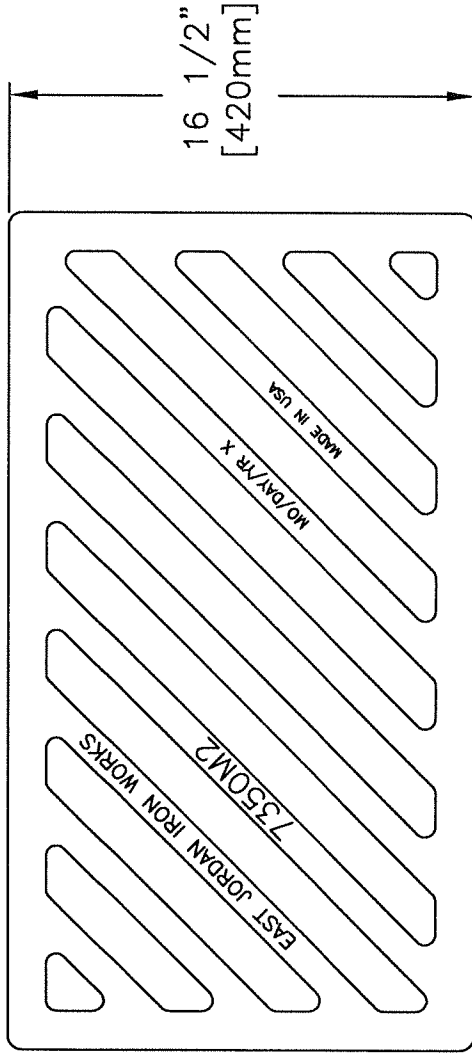
GRATE: 138 LBS 63kg

OPEN AREA
 195 SQ. INCHES
 1258 SQ. CM

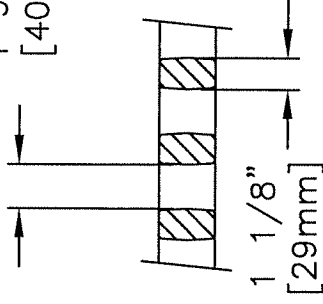
MAT'L SPEC.

GRATE - GRAY IRON
 ASTM A48 CL35B

LOAD RATING
 HEAVY DUTY



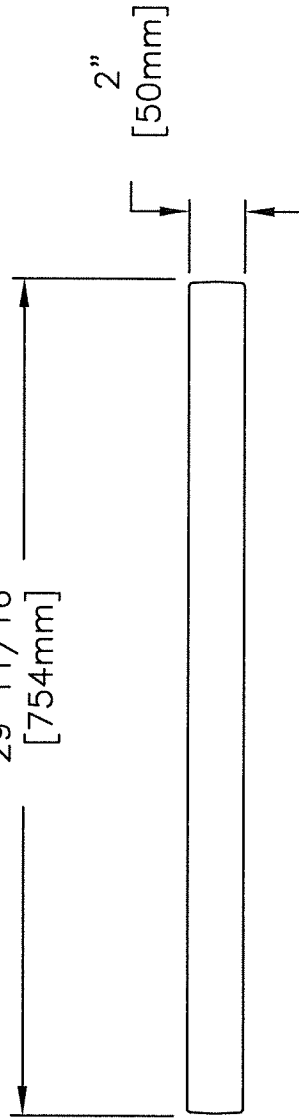
1 9/16"
 [40mm]



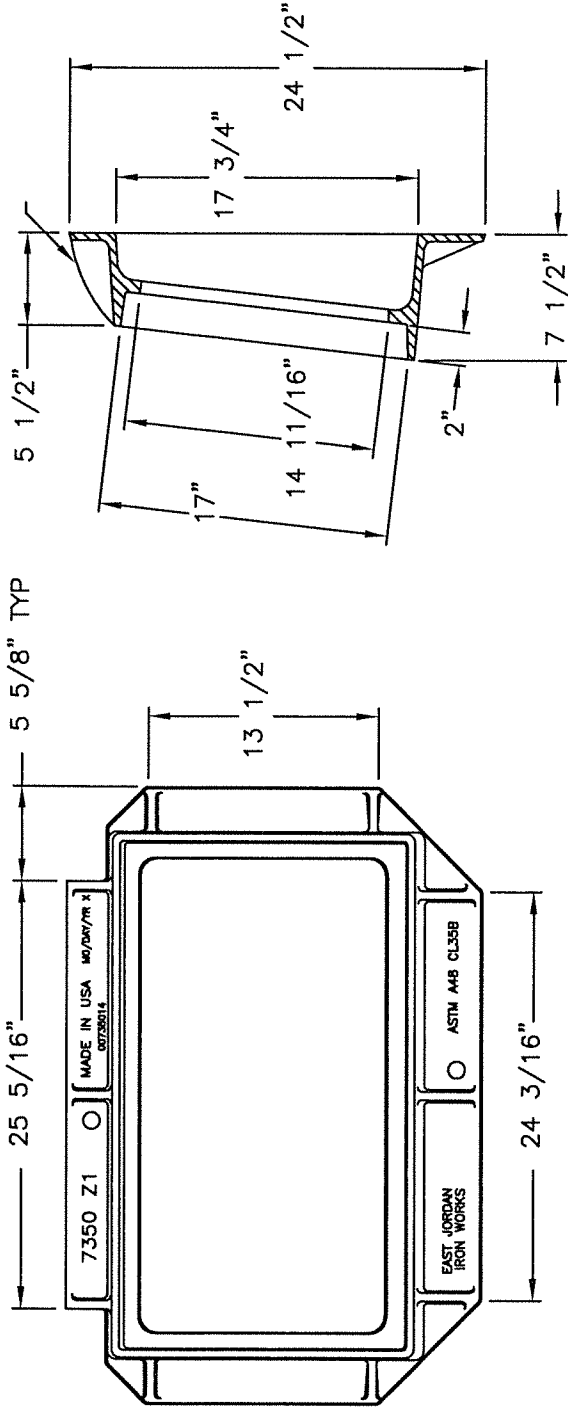
BAR DETAIL

29 11/16"
 [754mm]

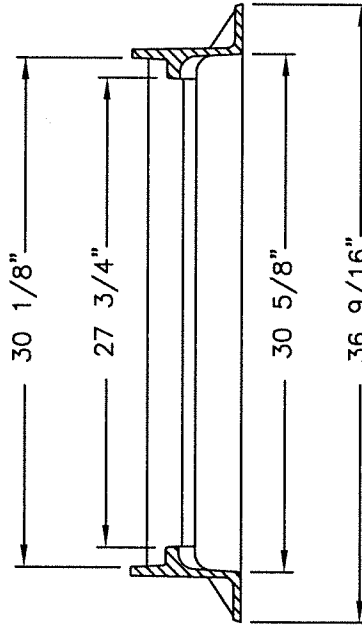
2"
 [50mm]



7350Z1 FRAME



SECTION



SECTION

PRODUCT NUMBER
00735014

DESIGN FEATURES

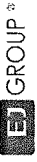
MATERIALS
FRAME-GRAY IRON
ASTM A48 CL35B

DESIGN LOAD
HEAVY DUTY

COATING
DIPPED
OPEN AREA
N/A

↓ DESIGNATES MACHINED
SURFACE

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DRAWING DETAILS

ORIGINAL DRAWING: TCL 06/05/02

REVISED BY: JJD 05/28/10

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PRODUCT NUMBER
00737030

CATALOG NUMBER
7370M

CATCH BASIN
 GRATE

LOAD RATING
 HEAVY DUTY

COATING
 DIPPED

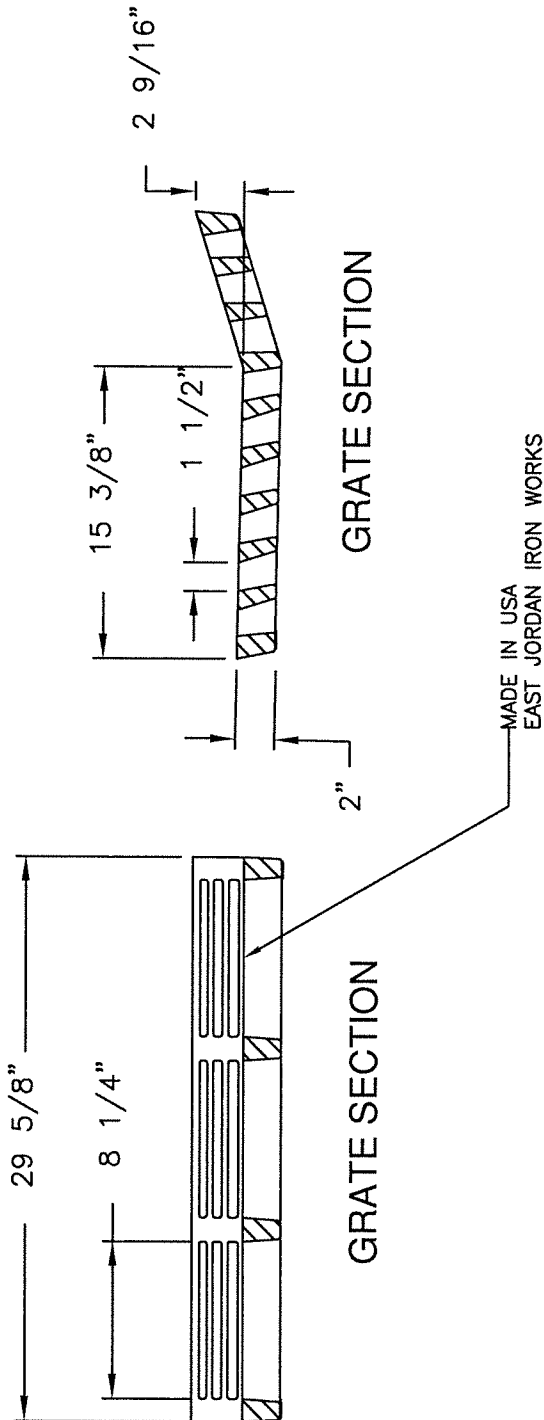
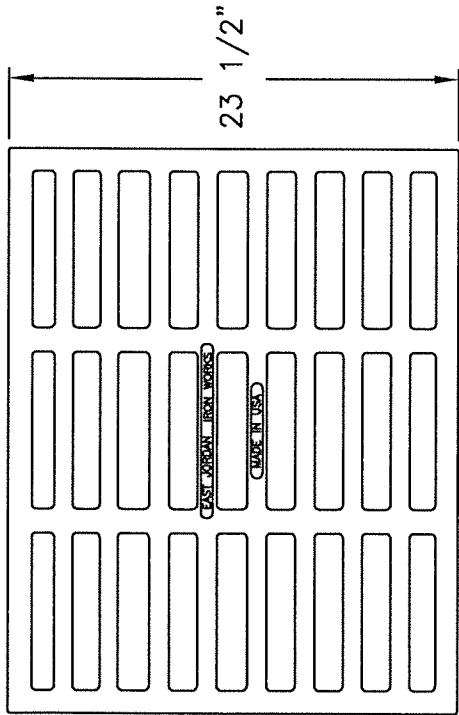
SPECIFICATION

GRATE -- GRAY IRON
 ASTM A48 CL35B

OPEN AREA
 305 SQ. IN.

DESIGNATES MACHINED SURFACE

DRAWN SBB	DATE 03/22/00
LAST REVISED JJD	DATE 08/13/08



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PRODUCT NUMBER
00737010

CATALOG NUMBER
7370Z

**CATCH BASIN
 FRAME**

LOAD RATING
HEAVY DUTY

COATING
DIPPED

MATERIAL SPECIFICATION
 FRAME - GRAY IRON
 ASTM A48 CL35B

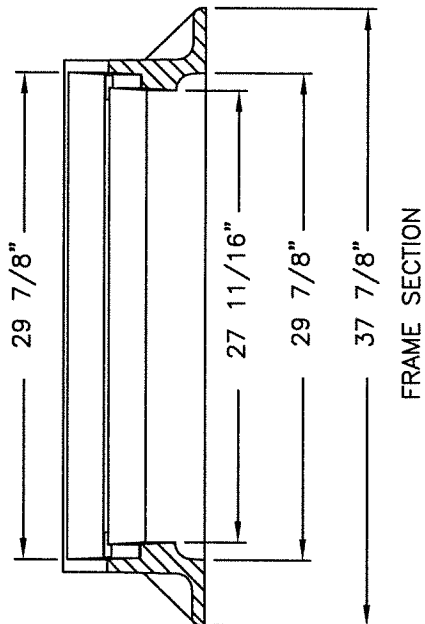
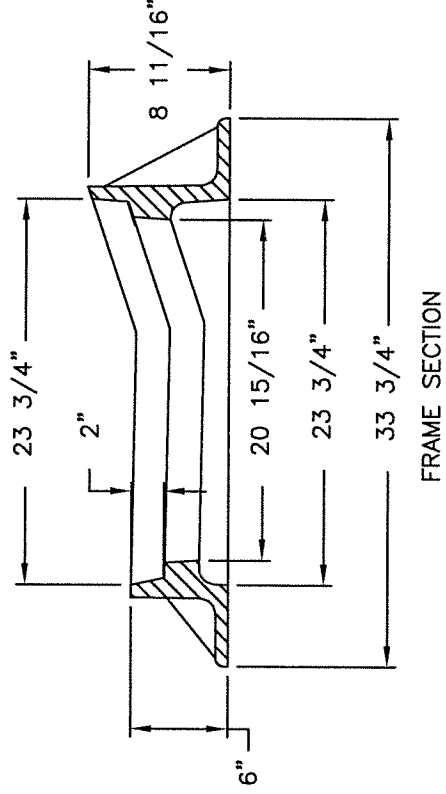
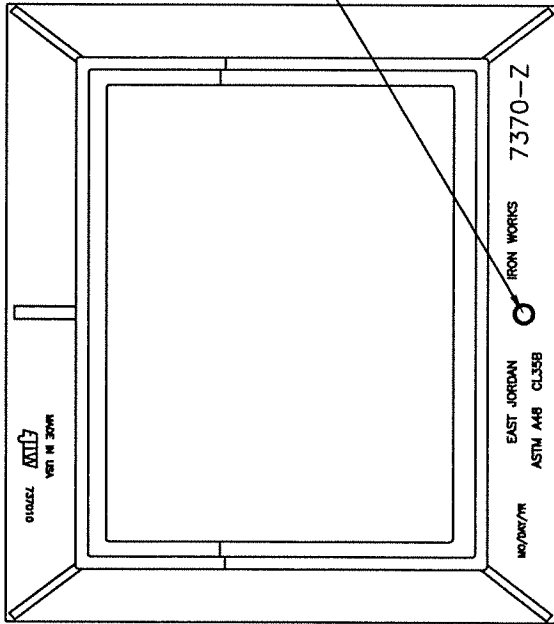
OPEN AREA
 N/A

✓ DESIGNATES MACHINED SURFACE

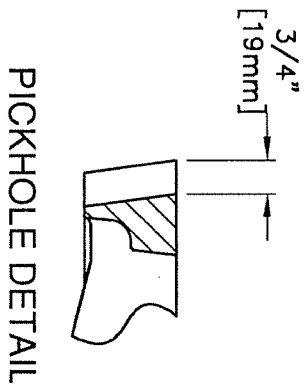
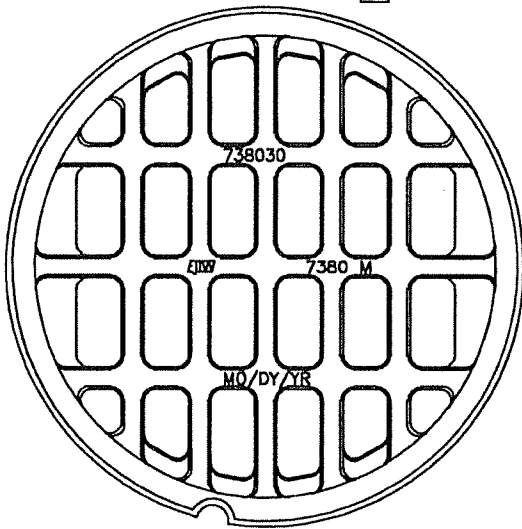
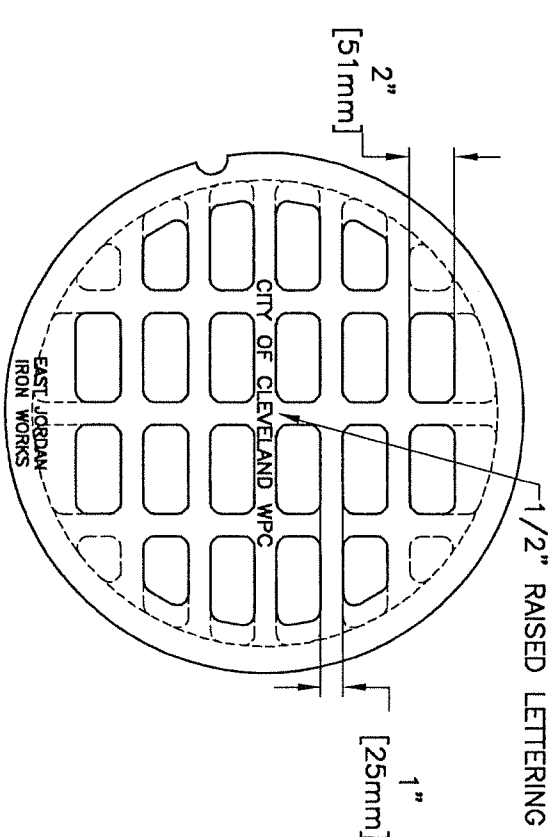
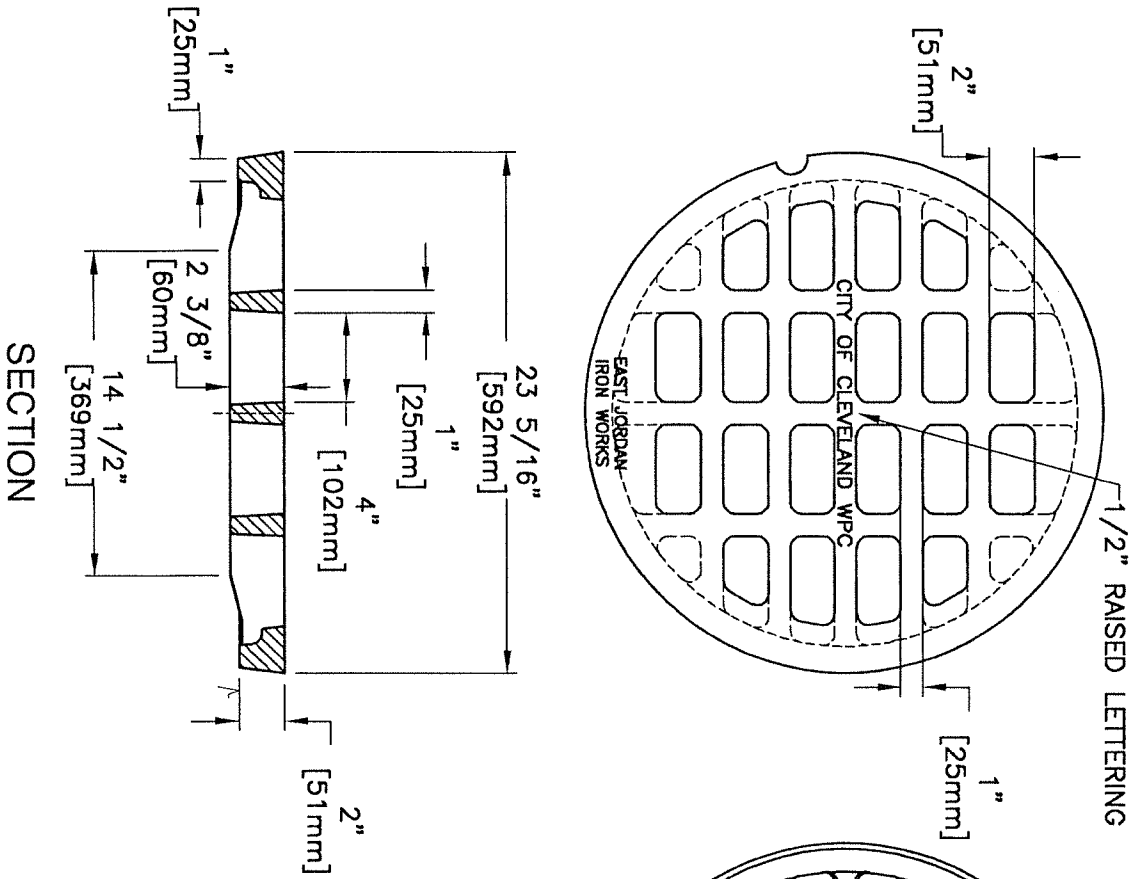
DRAWN	DATE
SBB	01/05/06

LAST REVISED	DATE
GAD	01/27/09

REFERENCE INFORMATION



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Refer to Drawing BSMS

City of Cleveland-Division of Water Pollution Control
Catch Basin - Curb Inlet - EJW 7380 M or approved equal

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1-800-874-4100
FAX 231-536-4458

DRAWN SBB	DATE 12/02/03
APPROVED	DATE

CATCH BASIN
GRATE

PRODUCT NO.
00739045

CATALOG NO.
7390M3

REF. PRODUCT DRAWING
739045

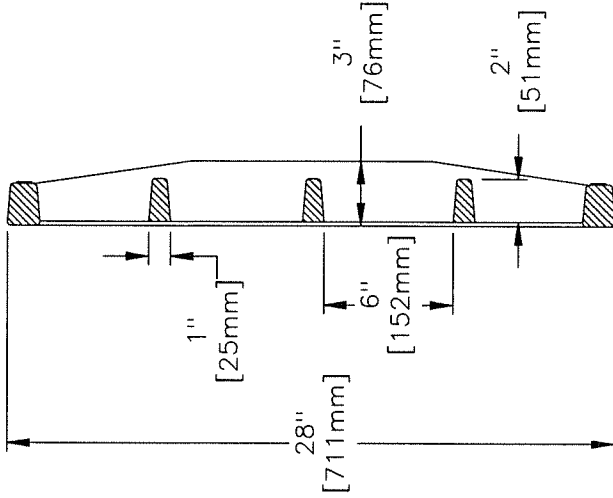
EST. WT.

GRATE: 260 LBS 118kg

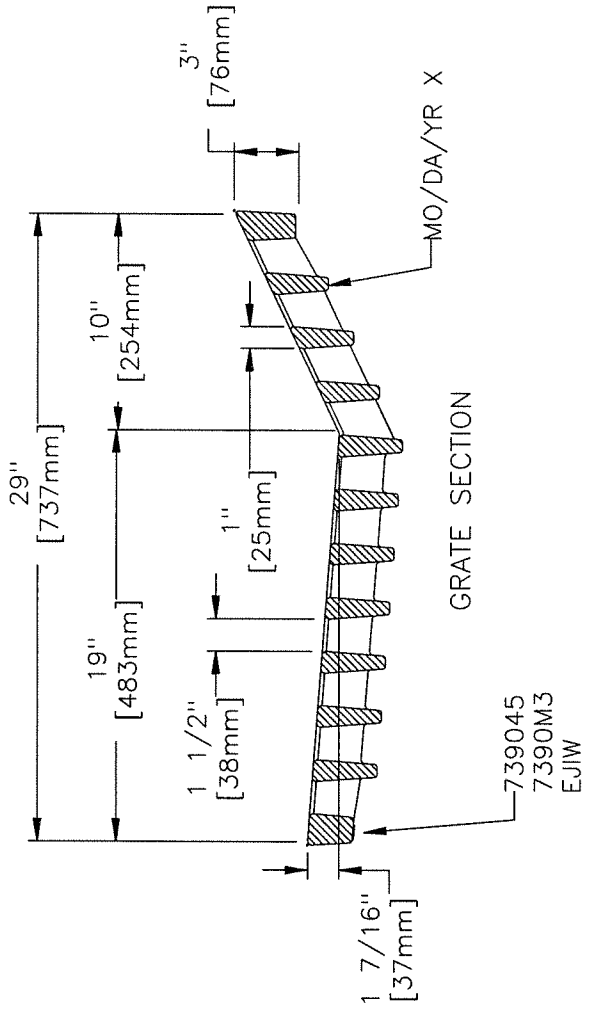
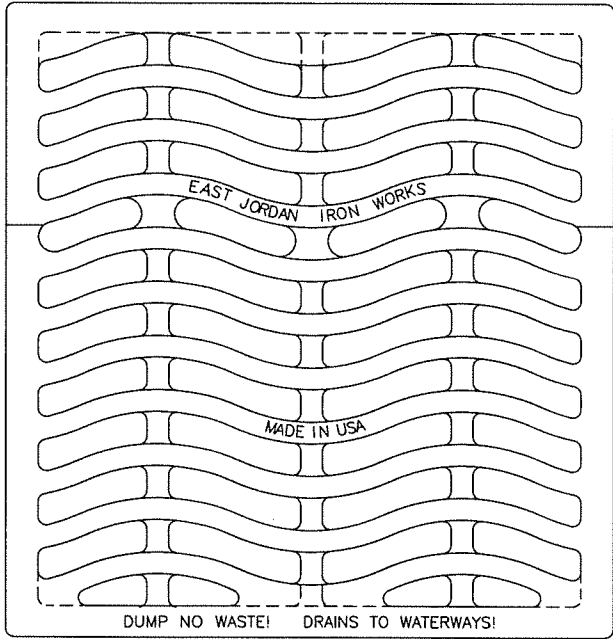
OPEN AREA
340 SQ. INCHES
2193 SQ.CM

MAT'L SPEC.
GRATE - GRAY IRON
ASTM A48 CL35B

LOAD RATING
HEAVY DUTY

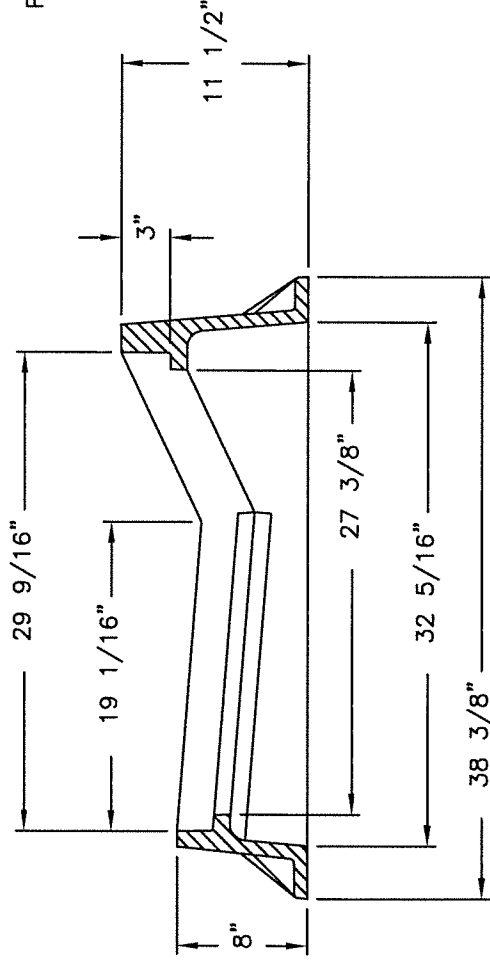
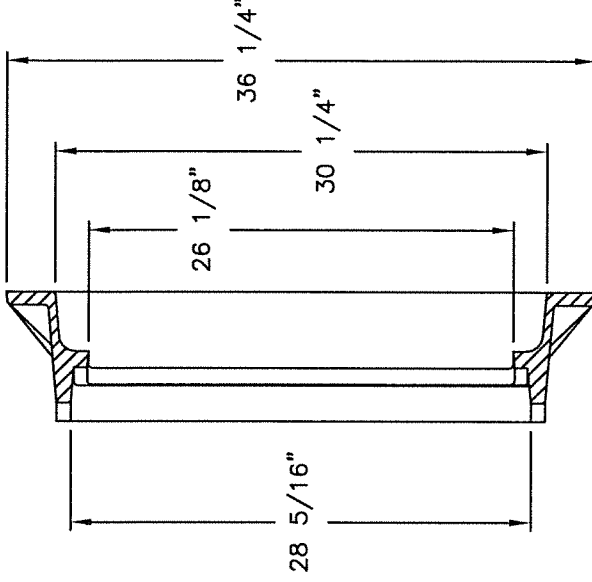
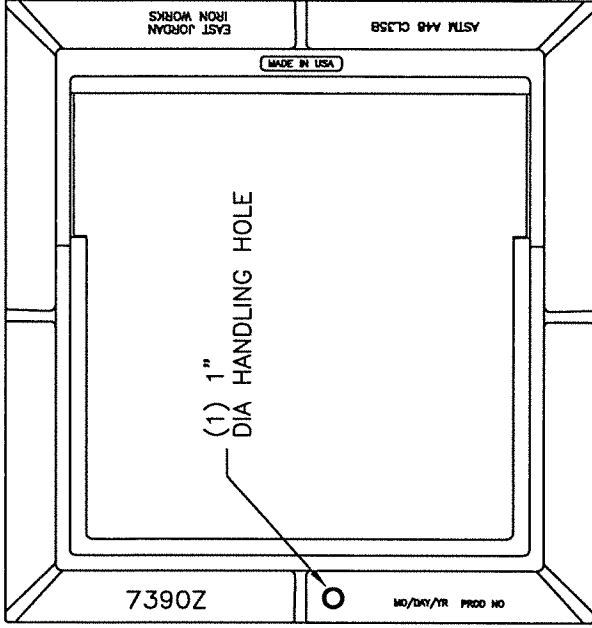


GRATE SECTION



GRATE SECTION

7390Z Curb Inlet Frame



Product Number

00739010

Design Features

-Materials

Gray Iron (CL35B)

-Design Load

Heavy Duty

-Open Area

n/a

-Coating

Dipped

-/- Designates Machined Surface

Certification

-ASTM A48

-Country of Origin: USA

Drawing Revision

01/17/2001 Designer: TCL

09/19/2012 Revised By: DJH

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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 FAX 231-536-4458

DRAWN
 JIU

DATE
 08/30/05

APPROVED

DATE

CATCH BASIN CURB
 INLET

PRODUCT NO.
00741110

CATALOG NO.
7411

REF. PRODUCT DRAWING
 741110

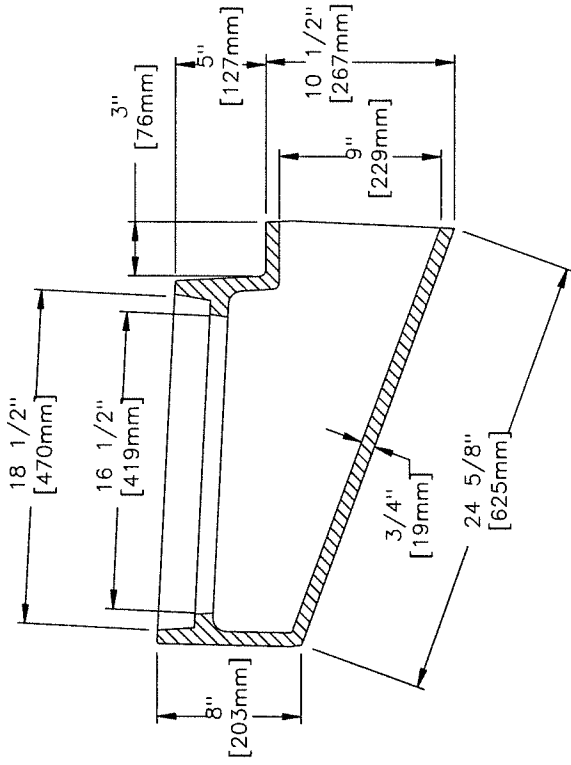
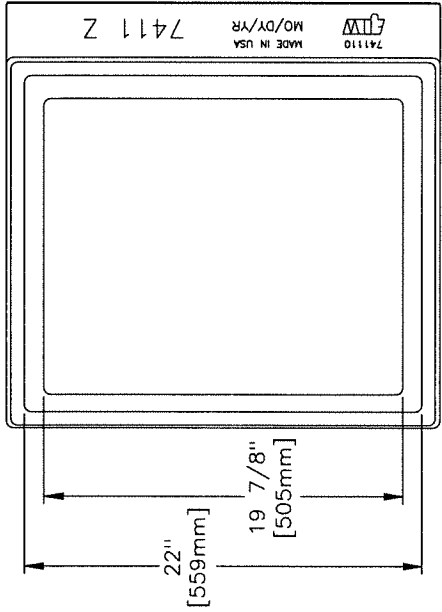
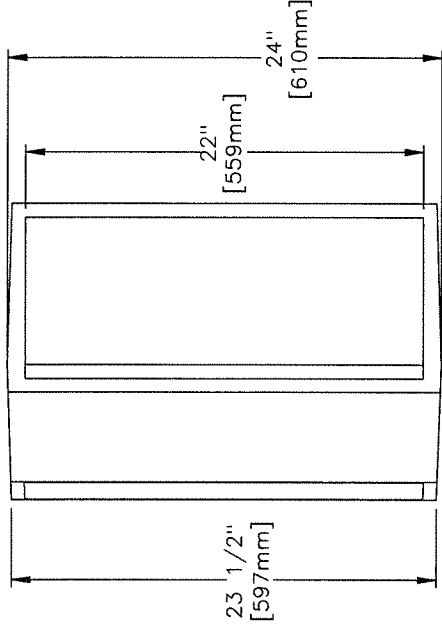
EST. WT.

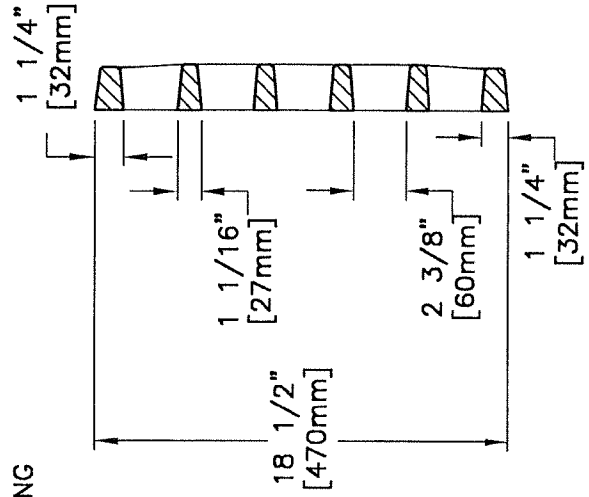
FRAME: 330 LBS 150kg

OPEN AREA
 N/A

MAT'L SPEC.
 FRAME - GRAY IRON
 ASTM A48 CL35
 XXXXX - GRAY IRON
 ASTM A48 CL35

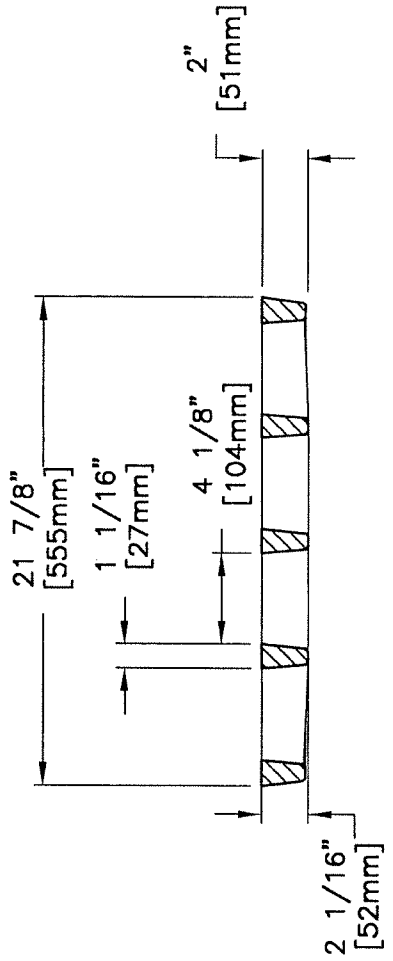
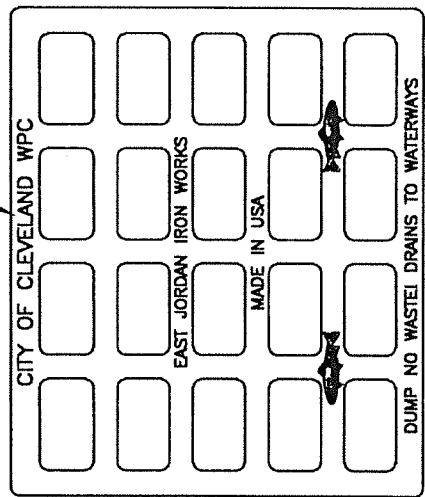
LOAD RATING
 HEAVY DUTY





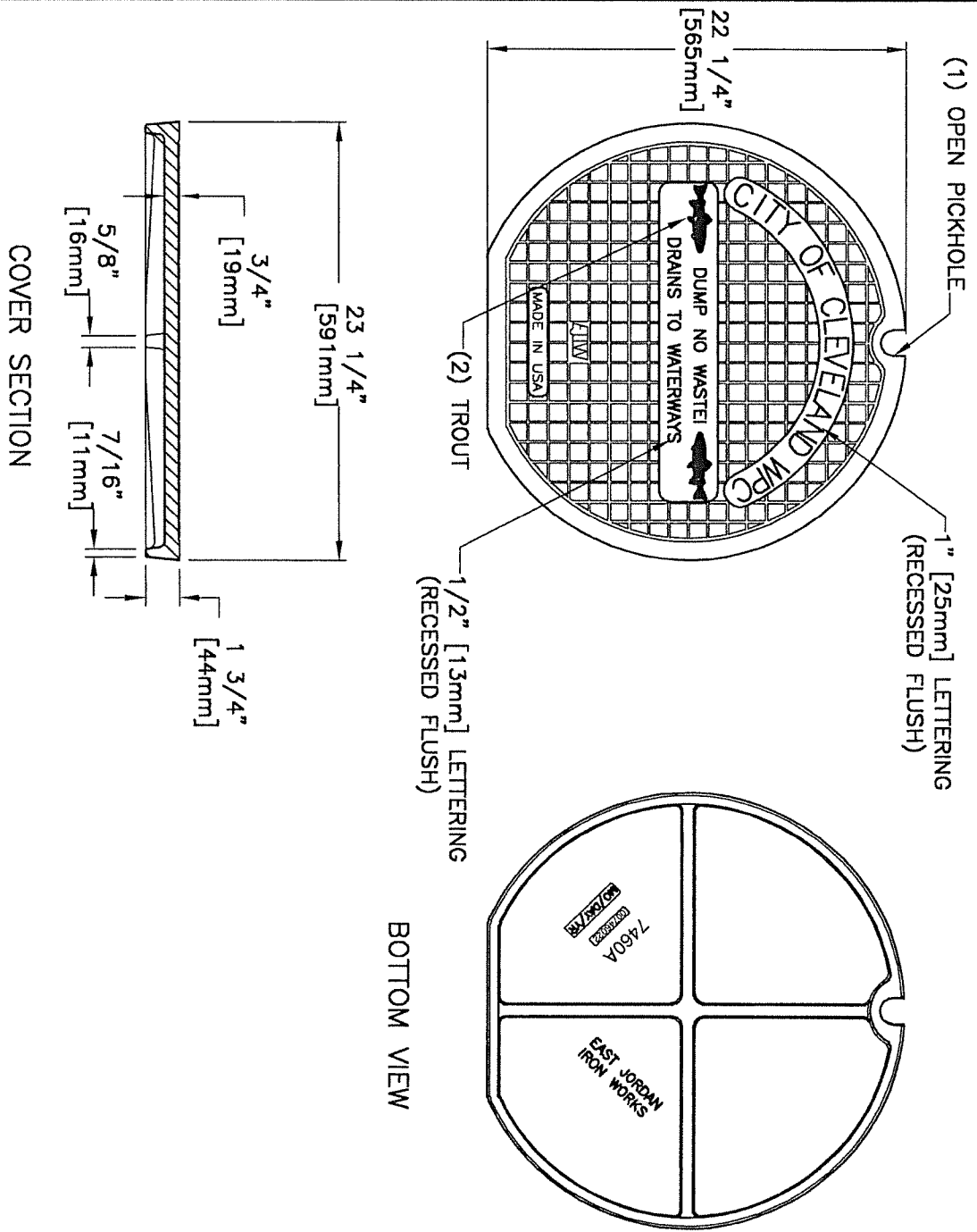
GRATE SECTION

1/2" RAISED LETTERING



GRATE SECTION

City of Cleveland-Division of Water Pollution Control
Catch Basin - Curb Inlet - EJIW 7411 M or approved equal



City of Cleveland-Division of Water Pollution Control
Catch Basin - Curb Inlet - EJJIW 7460 A
or approved equal

Refer to Drawing 241ME

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DRAWN
SBB

DATE
12/02/03

APPROVED

CATCH BASIN
GRATE

PRODUCT NO.
00739045

CATALOG NO.
7390M3

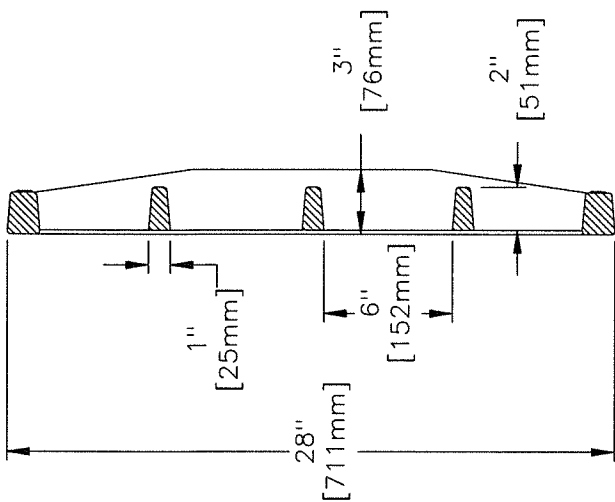
REF. PRODUCT DRAWING
739045

EST. WT.
GRATE: 260 LBS 118kg

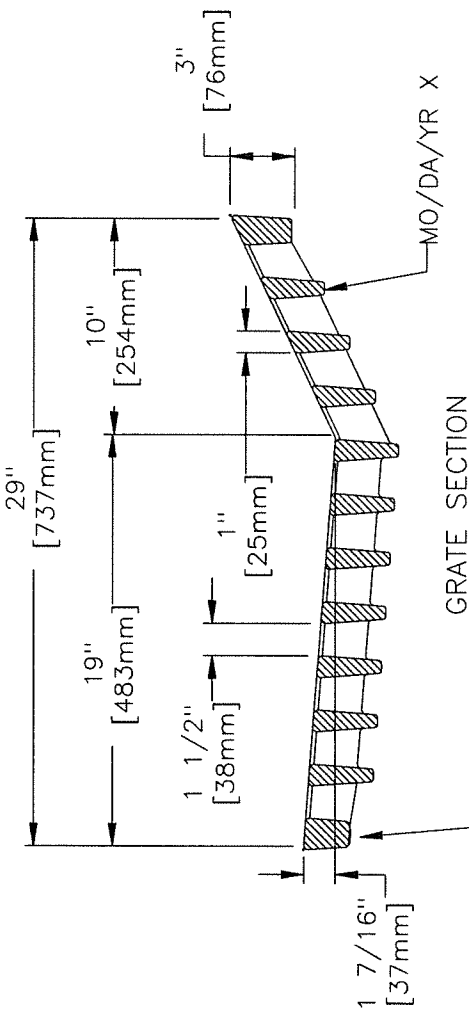
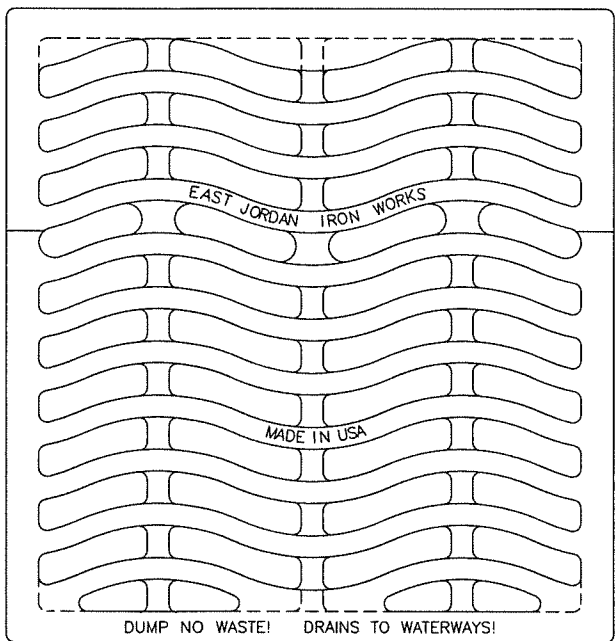
OPEN AREA
340 SQ. INCHES
2193 SQ.CM

MAT'L SPEC.
GRATE - GRAY IRON
ASTM A48 CL35B

LOAD RATING
HEAVY DUTY



GRATE SECTION



GRATE SECTION

739045
7390M3
EJIW

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DRAWN
SBB

DATE

12/02/03

APPROVED

DATE

CATCH BASIN
GRATE

PRODUCT NO.

00739045

CATALOG NO.

7390M3

REF. PRODUCT DRAWING

739045

EST. WT.

GRATE: 260 LBS 118kg

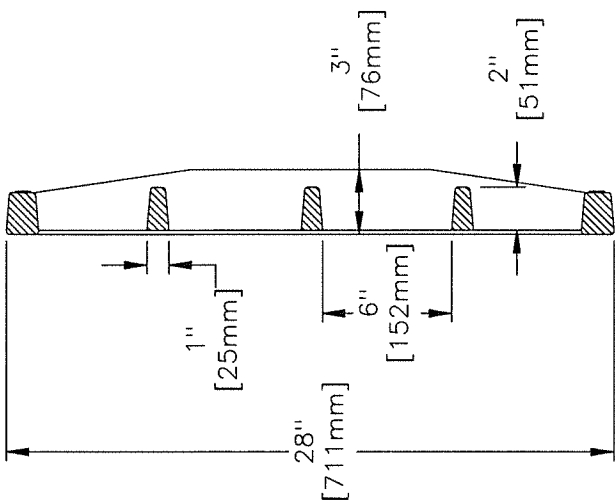
OPEN AREA
340 SQ. INCHES
2193 SQ.CM

MAT'L SPEC.

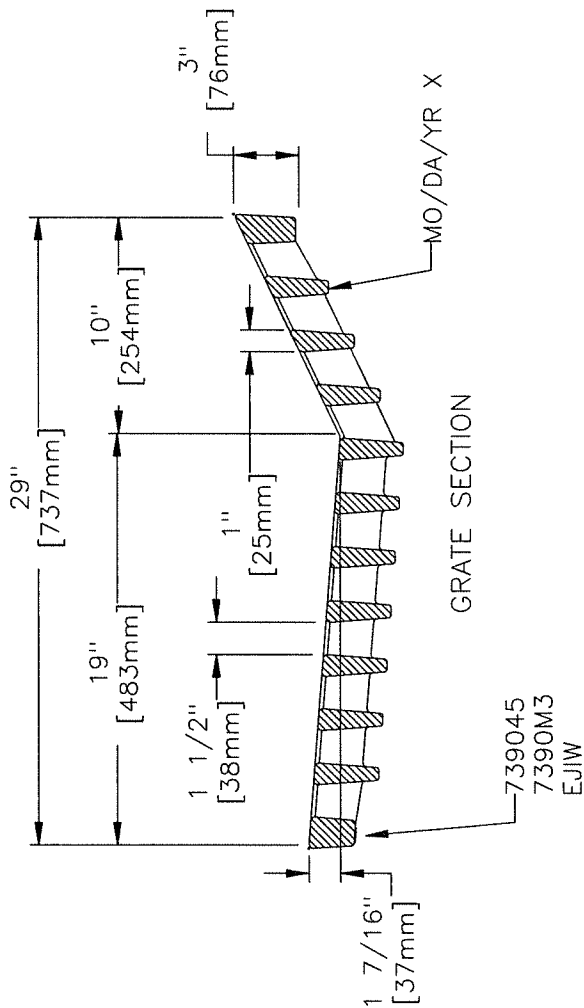
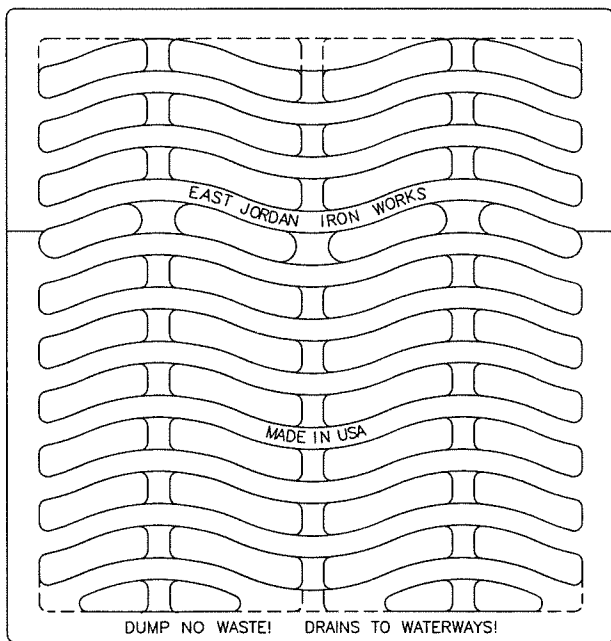
GRATE - GRAY IRON
ASTM A48 CL35B

LOAD RATING

HEAVY DUTY



GRATE SECTION



GRATE SECTION

7390Z FRAME

PRODUCT NUMBER
00739010

DESIGN FEATURES

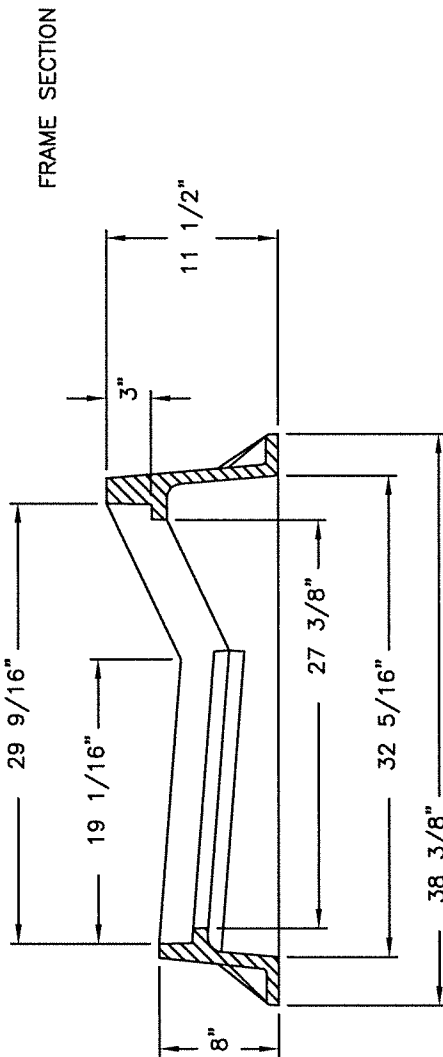
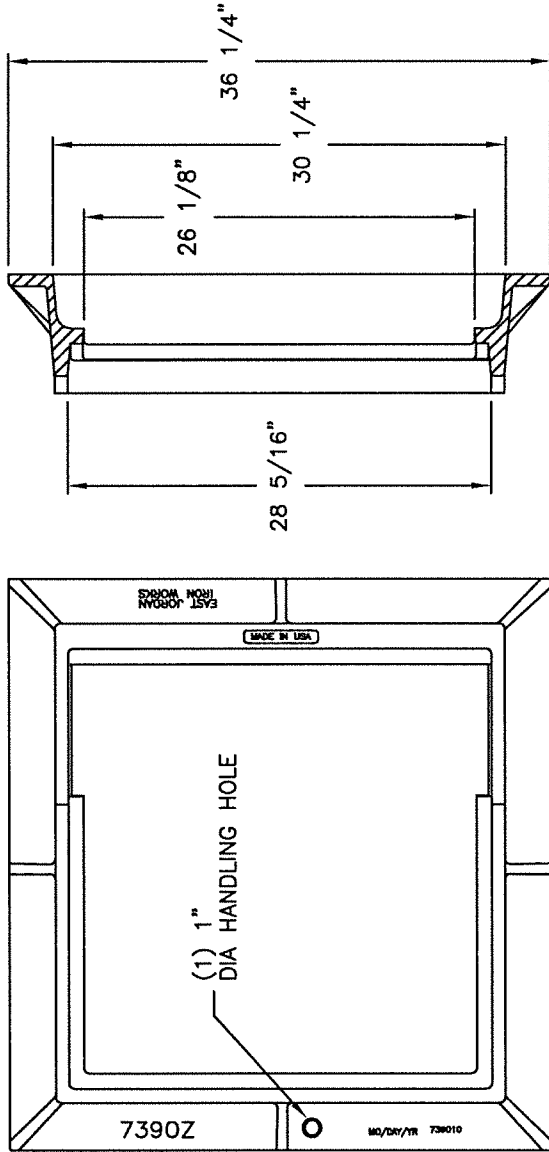
MATERIALS
FRAME-GRAY IRON
ASTM A48 CL35B

DESIGN LOAD
HEAVY DUTY

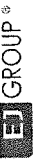
COATING
DIPPED

OPEN AREA
N/A

√ DESIGNATES MACHINED SURFACE



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49727-0439
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DRAWING DETAILS

ORIGINAL DRAWING: TCL 01/17/01

REVISED BY: SMM 09/01/10

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INSTRUCTIONS: Under Sec. 181.36 Cleveland Codified Ordinances, the information requested on this page must be supplied by all Contractors and any Subcontractors having more than a fifty percent (50%) interest in the proposed contract before the City will award a contract. Any Contractor or Subcontractor that is found to have made a false statement in the Disclosure shall be in default of its bid and/or contract obligations, and shall be subject to the remedies for default contained in its contract. For failure to cure such a default, a Contractor or Subcontractor shall be automatically ineligible to bid to supply any goods or services to the City for a period of two years.

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A. () The undersigned or any controlling shareholder, *subsidiary, or parent corporation of the undersigned is NOT ENGAGED IN ANY BUSINESS OR TRADING FOR PROFIT IN NORTHERN IRELAND. (If paragraph A. is checked, proceed to the signature line.)

B. () The undersigned or any controlling shareholder, *subsidiary, or parent corporation IS ENGAGED IN ANY BUSINESS OR TRADING FOR PROFIT IN NORTHERN IRELAND. (If paragraph B. is checked, please either check the stipulation contained in paragraph C. or attach documentation that shows that the undersigned has complied with the stipulation contained in paragraph C.

C. () The undersigned and all enterprises identified in paragraph B. are TAKING LAWFUL AND GOOD FAITH STEPS TO ENGAGE IN FAIR EMPLOYMENT PRACTICES WHICH ARE RELEVANT TO THE STANDARDS EMBODIED IN THE "MacBRIDE PRINCIPALS FOR FAIR EMPLOYMENT IN NORTHERN IRELAND." A copy of the MacBride Principles can be obtained from the Office of the Commissioner of Purchases and Supplies. In lieu of checking this paragraph, the undersigned must attach documentation which the undersigned believes shows compliance with the stipulation contained in this paragraph C.

Name of Contractor or Subcontractor

By: _____

Title: _____

*"Controlling shareholder" means any shareholder owning more than fifty percent (50%) of the stock in the corporation or more than twenty-five percent (25%) of the stock in the corporation if no other shareholder owns a larger share of stock in the corporation.

**SUPPLEMENTAL
NOTICE TO BIDDERS**

Subject: Submission of NORTHERN IRELAND FAIR EMPLOYMENT PRACTICES
DISCLOSURE

Each bidder and/or appropriate parties should complete the DISCLOSURE and submit it with the bid, if possible. If not submitted with the bid, it must be completed and submitted to the Commissioner of Purchases and Supplies before the City will award a contract. If a bidder or appropriate parties fail to complete and submit it, they shall not be eligible for a contract award.

EQUAL OPPORTUNITY CLAUSE
(Section 187.22(b) C.O.)

Each Contract also shall contain the following equal opportunity clause:

"During the performance of this contract, the contractor agrees as follows:

- (1) The contractor shall not discriminate against any employee or applicant for employment because of race, religion, color, sex, sexual orientation, national origin, age, disability, ethnic group or Vietnam-era or disabled veteran status. The contractor shall take affirmative action to insure that applicants are employed and that employees are treated during employment without regard to race, religion, color, sex, sexual orientation, national origin, age, disability, ethnic group, or Vietnam-era or disabled veteran status. As used in this chapter, "treated" means and includes without limitation the following: recruited, whether by advertising or other means; compensated, whether in the form of rates of pay or other forms of compensation; selected for training, including apprenticeship, promoted, upgraded, demoted, downgraded, transferred, laid off and terminated. The contractor agrees to and shall post in conspicuous places, available to employees and applicants for employment, notices to be provided by the hiring representatives of the contractor setting forth the provisions of this nondiscrimination clause.
- (2) The contractor will, in all solicitations or advertisements for employees placed by or on behalf of the contractor, state that the contractor is an equal opportunity employer.
- (3) The contractor shall send to each labor union or representative of workers with which he has a collective bargaining agreement or other contract, or understanding, a notice advising the labor union or worker's representative of the contractor's commitments under the equal opportunity clause, and shall post copies of the notice in conspicuous places available to employees and applicants for employment.
- (4) It is the policy of the City that local businesses, minority-owned businesses and female-owned businesses shall have every practicable opportunity to participate in the performance of contracts awarded by the City subject to the applicable provisions of the Cleveland Area Business Code.
- (5) The contractor shall permit access by the Director or his or her designated representative to any relevant and pertinent reports and documents to verify compliance with the Cleveland Area Business Code, and with the Regulations. All such materials provided to the Director or designee by the contractor shall be considered confidential.
- (6) The contractor will not obstruct or hinder the Director or designee in the fulfillment of the duties and responsibilities imposed by the Cleveland Area Business Code.
- (7) The contractor agrees that each subcontract will include this Equal Opportunity Clause, and the contractor will notify each subcontractor, material supplier and supplier that the subcontractor must agree to comply with and be subject to all applicable provisions of the Cleveland Area Business Code. The contractor shall take any appropriate action with respect to any subcontractor as a means of enforcing the provisions of the Code."



MAYOR'S OFFICE OF EQUAL OPPORTUNITY
PARTICIPATION INFORMATION FORM
(Requirement and Standard Contracts)

The Subcontractor Participation Goals for this contract are:

0% CSB Participation

A searchable database of all CSB Subcontractors eligible to fulfill these subcontractor participation goals can be found on the City of Cleveland Office of Equal Opportunity Website:

<http://www.city.cleveland.oh.us/CityofCleveland/Home/Business/Equal%20Opportunity>

Click on [CSB/MBE/FBE Registry](#).



DIVISION OF PURCHASES & SUPPLIES

Subcontractors Notice

There is no Subcontractor Participation (Utilization) Goal for this contract. However, per Section A-19 or 22(a) of the Instructions to Bidders, any and all proposed subcontractors, whether City certified or not, must be divulged and listed in the sealed bid. If you do plan to utilize a subcontractor, submit a proposed subcontractor list on a separate, signed sheet of paper, listing the name, address, type of work or materials, and total subcontractor amount for each and every subcontractor that you propose to use on this contract.

You are encouraged to consider City-certified firms for any available subcontracting opportunities. A searchable database of all City-certified firms can be found on the City of Cleveland Office of Equal Opportunity Website:

<http://www.city.cleveland.oh.us/oeo>

On the website, click on CSB/MBE/FBE Registry.