LOUISVILLE RIVERPORT AUTHORITY

INVITATION FOR BIDS

Replacement Electro-Hydraulic Clamshell Bucket

Jefferson Riverport Gantry Crane — Port of Louisville, Ohio River Mile 618

Solicitation	ITB No. LRA-KPRCM-2026-02
Owner	Louisville and Jefferson County Riverport Authority ("LRA")
Funding Program	Kentucky Public Riverport Construction and Maintenance (KPRCM) Program, Kentucky Transportation Cabinet (KYTC) — 2024 Regular Session, House Bill 1
KYTC Agreement	Memorandum of Agreement, Gantry Crane Rehab Project, SC 625-2700000546 (effective July 1, 2026 – June 30, 2028)
Issue Date	October 23, 2026
Bids Due / Public Opening	November 27, 2026 at 2:00 p.m. Eastern Time
Solicitation Webpage	https://louisvilleriverportauthority.com/bucket

Louisville and Jefferson County Riverport Authority • P.O. Box 58010 • 6900 Riverport Drive • Louisville, Kentucky • 40268-0010 • 502-935-6024

CONTENTS

Part I	Notice of Invitation for Bids
Part I	Solicitation Summary
Part I	Instructions to Bidders and Solicitation Requirements (Sections 1–19)
Part II	Bid Response Package
Part II	Exhibit A — Technical Scope and Performance Specifications (with Form A-10, Bidder's Technical Data and Compliance)
Part II	Exhibit B — Bid Price Form (Schedules B1–B4)
Part II	Exhibit C — Qualifications, References, Insurance, Subcontractors, and WMBE/DBE Outreach (Forms C1–C9)
Part II	Exhibit D — Certifications and Disclosures (Forms D1–D2)
Part III	Form of Contract (reserved; to be issued by addendum)

How this package is organized

Part I contains LRA's instructions, requirements, evaluation method, and grant-related conditions. Part II is the bidder's complete response: Exhibit A states what LRA is buying and collects the bidder's technical data; Exhibits B, C, and D are forms the bidder completes, signs, and returns. Part III is reserved for the procurement contract, which will be issued by formal addendum before bid opening.

A bid consists of the completed Part II forms and their labeled attachments, submitted as described in Section 10.

NOTICE OF INVITATION FOR BIDS

LOUISVILLE AND JEFFERSON COUNTY RIVERPORT AUTHORITY

INVITATION FOR BIDS — REPLACEMENT GANTRY CRANE BUCKET

ITB No. LRA-KPRCM-2026-02

Notice is hereby given that the Louisville and Jefferson County Riverport Authority ("LRA") will receive sealed bids electronically through its solicitation webpage until 2:00 p.m. Eastern Time on November 27, 2026, for the design, manufacture, delivery, installation, commissioning, testing, training, and warranty of one (1) new self-contained electro-hydraulic clamshell bucket, minimum 21 cubic yards heaped capacity, compatible with LRA's existing gantry crane at Jefferson Riverport, Louisville, Kentucky.

Bids will be publicly opened and read aloud at that time at LRA offices, 6900 Riverport Drive, Suite A, Louisville, Kentucky 40258.

The complete Invitation for Bids, including specifications, bid forms, reference drawings, and the form of contract when issued by addendum, is available at no cost at https://louisvilleriverportauthority.com/bucket. Questions must be submitted through that webpage by November 13, 2026 at 2:00 p.m. Eastern Time. Answers and any addenda will be posted only on that webpage.

This project is funded in whole or in part by the Kentucky Transportation Cabinet through the Kentucky Public Riverport Construction and Maintenance Program. Award will be made to the lowest responsive and responsible bidder in accordance with KRS Chapter 45A, subject to KYTC approval. LRA encourages participation by women-, minority-, and disadvantaged-business enterprises; each bidder must document good-faith outreach as described in the solicitation. LRA reserves the right to reject any or all bids and to waive minor informalities.

Inquiries: Miguel A. Zamora II, Executive Vice President, through the solicitation webpage.

SOLICITATION SUMMARY

Item	Requirement
Procurement method	Competitive sealed bidding (Invitation for Bids) under the local public agency provisions of KRS Chapter 45A, as required by the KYTC KPRCM agreement
What LRA is buying	One (1) new self-contained electro-hydraulic clamshell bucket, turnkey: engineering and field verification, manufacture, delivery, coordination with POL's removal and on-site relocation of the existing bucket, installation and connection, commissioning, testing, training, documentation, and warranty
Minimum capacity (Base Bid)	21 cubic yards heaped, subject to the crane's allowable suspended load (Exhibit A, Section A3)
Basis of award	Lowest responsive and responsible bid (Section 12). Price is the only comparative factor; all other requirements are pass/fail.
Contract type	Firm fixed price
Bid validity	Ninety (90) calendar days after bid opening
Bid security	Not required
Performance and payment bonds	Performance and payment bonds, each 100% of contract price; due upon contract execution (Part I, Section 14.2)
Insurance	Acknowledged with bid (Form C5); certificates and endorsements due before contract execution (Section 14)
KYTC contractor prequalification	Not required for this equipment procurement
WMBE/DBE	No numeric goal; documented good-faith outreach required; reviewed pass/fail (Section 13)
Delivery and completion	Bidder-proposed delivery and final-acceptance durations in calendar days after Notice to Proceed; binding upon award (Schedule B3)
Submission	Electronic upload through the solicitation webpage only (Section 10)
LRA contact	Miguel A. Zamora II, Executive Vice President — through the solicitation webpage only

PART I — INSTRUCTIONS TO BIDDERS AND SOLICITATION REQUIREMENTS

1. INVITATION AND PURPOSE

The Louisville and Jefferson County Riverport Authority ("LRA") invites sealed bids from responsive and responsible bidders to furnish and place into service one (1) new self-contained electro-hydraulic clamshell bucket (the "Bucket") for LRA's gantry crane at Jefferson Riverport, Ohio River Mile 618, Louisville, Kentucky.

The Bucket will replace the existing bucket, which has been in service for more than thirty years. It must work with the crane's existing hoist, lifting interface, power and control systems, and operating envelope, including the new crane controls installed during LRA's 2025 crane rehabilitation. The work is turnkey: engineering and field verification, manufacture, delivery, coordination with POL's removal and on-site relocation of the existing bucket, installation, connection, commissioning, testing, training, documentation, and warranty, as described in Exhibit A.

2. OWNER, TERMINAL OPERATOR, AND FUNDING

2.1 Owner

LRA is a special purpose governmental entity established as a developmental riverport authority pursuant to KRS 65.520. LRA owns the gantry crane and the riverport facility at which the Bucket will be used.

2.2 Terminal operator

The facility is operated by LRA's terminal operator and lessee, Port of Louisville ("POL"). POL operates and maintains the crane and will participate in field verification, scheduling, installation coordination, testing, and acceptance. POL is not a party to the contract and has no authority to modify it.

2.3 Funding

This procurement is funded in whole or in part by the Kentucky Transportation Cabinet ("KYTC") through the Kentucky Public Riverport Construction and Maintenance ("KPRCM") Program, under LRA's Memorandum of Agreement with KYTC for the Gantry Crane Rehab Project, SC 625-2700000546, effective July 1, 2026 through June 30, 2028. The grant-related requirements in Section 17 apply to the resulting contract.

2.4 LRA use of generative artificial intelligence

LRA used generative artificial intelligence as a drafting and editing aid in preparing portions of this solicitation. LRA personnel reviewed, revised, and approved the resulting language; no final procurement decision or determination was delegated to an AI system. No Commonwealth confidential or internal data was entered into a generative-AI system in preparing this solicitation.

3. PROCUREMENT METHOD AND GOVERNING REQUIREMENTS

LRA is conducting this procurement by competitive sealed bidding in accordance with the provisions of KRS Chapter 45A applicable to local public agencies, including KRS 45A.365 (competitive sealed bidding), KRS 45A.395 (determination of responsibility), and KRS 45A.490 to 45A.494 (reciprocal

resident-bidder preference), and with the KYTC KPRCM Guidance Document and LRA's agreement with KYTC.

LRA has obtained the required KYTC approval to advertise and conduct this procurement. Award is subject to KYTC approval of LRA's selection.

4. SOLICITATION SCHEDULE

Event	Date / Time (Eastern)
Solicitation advertised and posted	Friday, October 23, 2026
Optional site visit (Section 6)	Tuesday, November 10, 2026 at 10:00 a.m. ET
Deadline for questions	Friday, November 13, 2026 at 2:00 p.m. ET
Final addendum, if any	Tuesday, November 17, 2026 (including any contract exhibit; issue earlier if available)
Bids due and public bid opening	Friday, November 27, 2026 at 2:00 p.m. ET
Anticipated KYTC concurrence and Notice of Award	Following bid evaluation and KYTC approval (date to be determined)
Contract execution, bonds, and insurance	Within ten (10) calendar days after Notice of Award
Notice to Proceed	Upon contract execution
Ready for final acceptance	Per successful bidder's binding Schedule B3 commitment

LRA may change any date by addendum. If an addendum is issued within seven (7) days before bid opening, LRA will extend the bid opening so that at least seven (7) days separate the last addendum from bid opening.

5. SOLICITATION WEBPAGE, QUESTIONS, AND ADDENDA

The complete solicitation, questions and answers, and any addenda will be available at https://louisvilleriverportauthority.com/bucket. Questions must be submitted through the method identified on that webpage by the deadline in Section 4. Only written answers and addenda posted by LRA on the webpage will modify or clarify the solicitation. Bidders are responsible for monitoring the webpage and acknowledging all issued addenda on Form D1.

Oral statements, informal communications, or interpretations from any other source — including POL personnel — do not modify the solicitation or bind LRA.

6. SITE VISIT AND FIELD VERIFICATION

LRA will offer an optional site visit on the date in Section 4. Attendance is strongly encouraged. Bidders who plan to attend must register through the solicitation webpage and comply with site safety and access requirements. The crane and dock are in active service; access is escorted and subject to POL operating conditions.

Each bidder is responsible for verifying the crane's lifting interface, power and control connections, operating clearances, and other conditions affecting its bid. The reference information in Exhibit A is provided in good faith but is not a substitute for field verification. Before fabrication, the successful bidder must complete field verification and certify compatibility as required by Exhibit A.

7. SCOPE SUMMARY

The complete scope, performance requirements, submittals, testing, and acceptance criteria are stated in Exhibit A. In summary, the successful bidder will:

- Field-verify the crane interface and design a Bucket that meets the minimum Base Bid capacity without exceeding the crane's allowable suspended load;
- Manufacture, factory-test, and deliver the Bucket to the site;
- Coordinate with POL's removal and on-site relocation of the existing bucket;
- Install the Bucket and make all mechanical, electrical, hydraulic, and control connections;
- Commission, field-test, and demonstrate the Bucket, train operators and maintenance personnel, and furnish all documentation; and
- Provide the warranty, parts, and service support required by Exhibit A.

8. MINIMUM BIDDER QUALIFICATIONS AND RESPONSIBILITY

Under KRS 45A.395, LRA will award only to a bidder it determines in writing to be responsible. To be considered responsible, a bidder must, at a minimum:

- Be the manufacturer of the Bucket offered, or an authorized dealer or distributor of that manufacturer (written authorization required, Form C2);
- Have supplied at least three (3) self-contained electro-hydraulic clamshell or grab buckets of 15 cubic yards or larger, for bulk-material handling in marine, port, or comparably demanding service, delivered within the past seven (7) years (Form C3);
- Have, directly or through a disclosed service provider, qualified field-service personnel able to install, commission, and support the Bucket at the site and to respond to warranty calls as required by Exhibit A;
- Be authorized to do business in Kentucky, or become so authorized before contract execution;
- Be able to furnish the required bonds and insurance;
- Not be debarred, suspended, or otherwise ineligible to contract with any federal, state, or local public agency; and
- Have a satisfactory record of integrity, performance, and legal and regulatory compliance (Form C8).

LRA may contact references, verify any information submitted, request reasonable additional information, and inspect the bidder's facilities. A bidder's failure to supply information requested in connection with a responsibility determination may result in a finding of nonresponsibility.

9. BID PREPARATION AND PRICING

- Bids must be submitted on the forms in Part II, completed in ink or electronically, and signed by an individual authorized to bind the bidder. Alterations must be initialed.

- Prices are firm and fixed and must include all labor, materials, engineering, equipment, freight, insurance, bonds, field service, travel, initial fluids, spare parts, and other costs required to complete the work. Prices are F.O.B. destination, unloaded and installed.
- LRA is exempt from Kentucky sales and use tax. Bid prices must not include sales or use tax. LRA will provide its exemption certificate on request.
- If unit and extended prices conflict, the unit price controls. If figures and words conflict, the words control.
- Bids are irrevocable and must remain valid for ninety (90) calendar days after bid opening. LRA may request a written extension from all bidders.
- Bidders may offer an "or equal" product. References to any manufacturer, model, or drawing describe the existing equipment or a level of quality and performance; they are not a brand preference.
- Exceptions and deviations must be listed on Form A-10. A bid that takes material exception to the specifications, the bid forms, or the form of contract may be rejected as nonresponsive.

10. BID SUBMISSION AND PUBLIC OPENING

Bids must be submitted electronically through the solicitation webpage by the deadline in Section 4. The official time of receipt is the timestamp generated by LRA's webpage submission process. Bids received after the deadline will not be opened or considered. Bids submitted by any other method will not be accepted unless LRA authorizes an alternate method in writing before the deadline. LRA is not responsible for late, incomplete, corrupted, or inaccessible submissions; bidders are encouraged to submit early.

Submit the bid as one combined PDF in the following order, each labeled as shown: Exhibit B; Form A-10 and technical attachments; Exhibit C and attachments; and Exhibit D. Upload instructions and file-size limits are posted on the webpage.

Bids will be opened publicly and read aloud at the time and place stated in the Notice of Invitation for Bids, in the presence of at least one witness, with remote viewing available. The name of each bidder and its Base Bid will be recorded and made available for public inspection.

A bidder may withdraw or replace its bid before the deadline by submitting a written request through the webpage. Withdrawal after bid opening is permitted only as provided in KRS 45A.365(6).

11. RESPONSIVENESS AND REQUIRED BID CONTENTS

A responsive bid conforms in all material respects to this Invitation for Bids. The following must be submitted with the bid. Omission of a required item may render the bid nonresponsive unless LRA determines the omission is a minor informality that may be waived or corrected without prejudice to other bidders.

Submission	Form / Location	Required
Bid Price Form, Schedules B1–B4	Exhibit B	Yes
Bidder's Technical Data and Compliance, with exceptions	Form A-10	Yes

Submission	Form / Location	Required
Product literature, general-arrangement drawing, weight and capacity data, hydraulic and electrical data	Attachment A-1	Yes
Bidder profile and manufacturer authorization	Forms C1, C2	Yes
Three comparable-project references	Form C3	Yes
Project personnel and service support	Form C4	Yes
Insurance acknowledgment	Form C5	Yes
Subcontractors, suppliers, and service providers	Form C6	Yes (enter "None" if none)
WMBE/DBE good-faith outreach documentation	Form C7 and Attachment C-7	Yes
Disclosure of litigation, defaults, debarment, and safety history	Form C8	Yes
Financial capacity and surety letter	Form C9	Yes
Bid signature, addenda acknowledgment, and certifications	Form D1	Yes
KRS 45A.485 disclosure	Form D2	Yes

12. EVALUATION AND BASIS OF AWARD

12.1 Basis of award

LRA will award the contract to the lowest responsive and responsible bidder. Price is the only comparative evaluation factor and carries 100% of the evaluation weight. All other requirements — technical compliance, qualifications, references, insurance, WMBE/DBE outreach, and certifications — are evaluated on a pass/fail basis. No points are assigned to non-price factors.

12.2 Evaluation steps

- **Step 1 — Responsiveness.** LRA will review each bid for completeness and material conformance, including Exhibit C (Section 13).
- **Step 2 — Technical compliance.** LRA, with POL, will confirm that the Bucket offered meets the mandatory requirements of Exhibit A, including capacity and allowable suspended load.
- **Step 3 — Price.** LRA will rank responsive bids by evaluated price as described in Section 12.3, after applying any resident-bidder preference under KRS 45A.494.
- **Step 4 — Responsibility.** LRA will determine whether the apparent low bidder is responsible under Section 8. If not, LRA will proceed to the next-lowest responsive bidder.

12.3 Evaluated price and alternates

The evaluated price for purposes of determining the lowest responsive and responsible bidder shall be the Base Bid total, subject to any applicable statutory bidder preference.

Alternates listed in Schedule B2 are optional and shall not be included in determining the lowest evaluated bidder. Failure to offer or price an alternate shall not render an otherwise responsive Base Bid nonresponsive.

Following identification of the lowest responsive and responsible bidder, LRA may elect to accept any alternates offered by that bidder, subject to technical compliance, funding availability, and KYTC approval where required. LRA is not obligated to accept any alternate.

12.4 Resident-bidder preference

As required by KRS 45A.494, a resident bidder of Kentucky will receive a preference against a nonresident bidder from a state that gives or requires a preference to bidders from that state, equal to the preference given or required by that state. A bidder claiming resident-bidder status must make the certification on Form D1 and must provide supporting documentation if LRA requests it. A nonresident bidder must identify its state of residence on Form C1.

12.5 Tie-Bid Preference — Availability of Alternates

If two or more responsive and responsible bidders submit identical lowest evaluated Base Bid prices, after application of any legally required bidder preference, LRA shall give preference to the bidder offering a compliant alternate, considered in the following order of priority:

1. **Alternate 1 — Higher-Capacity Bucket**
2. **Alternate 2 — Extended Complete-System Warranty**
3. **Alternate 3 — Additional Recommended Wear and Critical Spare Parts**

The alternates shall be considered sequentially. At the first alternate for which the tied bidders differ in availability, the bidder offering that alternate shall prevail.

An alternate qualifies for tie-breaking consideration only if it includes the required pricing and supporting documentation and meets the applicable specifications.

Availability of alternates shall not affect the ranking of bidders whose evaluated Base Bid prices are not tied. LRA is not obligated to purchase an alternate solely because it was considered in resolving a tie.

Remaining ties. If two or more bidders remain tied after application of the criteria above, LRA shall resolve the tie by a random drawing conducted publicly in the presence of at least one witness. The names of the tied bidders shall be entered into the drawing using an identical method that affords each bidder an equal opportunity for selection. LRA shall document the procedure, participants, witnesses, and outcome in the procurement file. The resulting selection remains subject to KYTC approval and all other applicable award requirements.

12.6 KYTC approval and notice of award

LRA will submit its proposed selection and the bid tabulation to KYTC for approval before award. Award will be made by written Notice of Award after KYTC approval. No contract exists until the contract is fully executed and LRA issues a Notice to Proceed.

13. WMBE/DBE OUTREACH REQUIREMENT

LRA has not established a numerical WMBE/DBE participation goal for this procurement. Nevertheless, each bidder must make and document a good-faith effort to identify and provide meaningful contracting, subcontracting, supplying, or service opportunities to qualified WMBE/DBE firms where such opportunities are reasonably available.

Submission of a complete Exhibit C is a material requirement of this Invitation for Bids. LRA's determination of good-faith outreach will be based primarily on Forms C6 and C7 and the supporting documentation. LRA will evaluate them on a pass/fail basis using the requirements stated in Form C7. They will not be scored, and the level of proposed participation will not be used to adjust or rank bid prices.

A bidder's good-faith effort may be demonstrated through documented identification of available opportunities; timely outreach to potentially qualified firms; provision of sufficient scope, schedule, and pricing information; reasonable follow-up; consideration of responses received; and an explanation of any decision to self-perform work or not use an interested firm.

Failure to submit Exhibit C, or submission of an Exhibit C that is materially incomplete, will render the bid nonresponsive. If LRA reasonably determines, based on the information submitted and the stated criteria, that Exhibit C does not demonstrate the required good-faith effort, LRA may reject the bid as nonresponsive. LRA will document the basis for that determination.

LRA may seek clarification after bid opening solely to confirm or explain information contained in the bid as submitted before the deadline. Clarification may not be used to supply missing material information, conduct new outreach, substitute a new participation plan, or otherwise cure a material deficiency after bid opening.

14. INSURANCE AND BONDS

14.1 Insurance

The successful bidder must procure and maintain, at its own expense, the following insurance from insurers authorized to transact insurance in Kentucky and rated at least A- VII by A.M. Best (unless otherwise approved in writing by LRA). Required coverages must remain effective through completion and final acceptance; products-completed operations coverage must continue for three (3) years after final acceptance.

Coverage	Minimum limits
Commercial General Liability (occurrence form), including products-completed operations and contractual liability	$1,000,000 each occurrence / $2,000,000 general aggregate / $2,000,000 products-completed operations aggregate
Automobile Liability (owned, hired, non-owned)	$1,000,000 combined single limit
Workers' Compensation	Statutory Workers' Compensation for all applicable jurisdictions, including U.S. Longshore and Harbor Workers' Compensation Act/maritime coverage where legally applicable to the work and exposures

Coverage	Minimum limits
Employer's Liability	$1,000,000 each accident / $1,000,000 disease–each employee / $1,000,000 disease–policy limit
Umbrella / Excess Liability (follow form)	$5,000,000 each occurrence and aggregate; follow form; additional-insured and primary/non-contributory status as required below
Installation floater / inland marine (or equivalent property coverage)	Full replacement value of the Bucket until final acceptance
Professional Liability	$1,000,000 each claim and aggregate where the bidder or a subcontractor furnishes professional engineering/design services requiring licensed professional responsibility

LRA and POL, and their respective directors, officers, employees, and agents, shall be additional insureds on Commercial General Liability, Automobile Liability, and Umbrella/Excess Liability, as applicable. CGL additional-insured coverage shall be provided on ISO CG 20 10 (ongoing operations) and CG 20 37 (completed operations), or equivalent forms acceptable to LRA; completed-operations additional-insured protection shall extend three (3) years after acceptance. Coverage shall be primary and non-contributory to LRA and POL insurance, and Umbrella/Excess coverage shall extend additional-insured status on a follow-form, primary and non-contributory basis. Waiver of subrogation in favor of LRA and POL is required where permitted by law. Certificates alone do not substitute for requested endorsements.

Subcontractors and service providers. The successful bidder must ensure that every subcontractor or service provider performing delivery, unloading, rigging, installation, startup, testing, training, warranty service, or other on-site work maintains insurance appropriate to its activities and meeting the applicable requirements of this section, and must furnish evidence of that coverage before the firm enters the site. Routine common-carrier freight is excluded unless the carrier performs unloading, rigging, or placement. Use of subcontractors does not relieve the contractor of any responsibility.

Timing. Bidders acknowledge these requirements on Form C5; certificates are not required with the bid. The apparent successful bidder must deliver certificates and required endorsements within ten (10) calendar days after notice of intended award and before contract execution.

14.2 Bonds

No bid security is required. At contract execution, the successful bidder must furnish a performance bond and a payment bond, each equal to 100% of the contract price, issued by a surety authorized to do business in Kentucky and listed on U.S. Treasury Circular 570, on forms acceptable to LRA, together with a certified power of attorney. Bonds must remain in force through final acceptance and the performance bond through the warranty period.

15. RESERVATIONS, CANCELLATION, AND AWARD

LRA reserves the right to reject any or all bids, in whole or in part; to waive minor informalities and irregularities; to request clarification of information submitted; to verify any information through independent inquiry; to cancel this solicitation before or after bid opening when in LRA's interest and consistent with KRS 45A.390; and to award the contract to the lowest responsive and responsible

bidder. Any rejection of bids, variance from the stated selection criteria, or cancellation will be documented in writing in the procurement file. Issuance of this solicitation does not obligate LRA to award a contract or to pay any costs incurred in preparing a bid.

16. OPEN RECORDS AND CONFIDENTIAL INFORMATION

The Louisville and Jefferson County Riverport Authority ("LRA") is a special purpose governmental entity established as a developmental riverport authority pursuant to KRS 65.520 and is subject to the Kentucky Open Records Act, KRS 61.870 et seq. A bidder shall clearly identify any specific material it contends is confidential or exempt from disclosure and shall state the applicable legal basis. Blanket designations of an entire bid will not be honored. Bid prices are public upon bid opening.

17. KPRCM GRANT REQUIREMENTS APPLICABLE TO THE CONTRACT

Because this procurement is funded through KYTC's KPRCM Program, the contract will include, and the successful bidder must comply with, the following requirements. Each must also be included in any subcontract for work under the contract.

- **Notice to Proceed.** No work may begin, and no cost may be incurred for reimbursement, before LRA issues a written Notice to Proceed.
- **Access to records and audit.** KYTC, the Finance and Administration Cabinet, the Auditor of Public Accounts, the Legislative Research Commission, LRA, and their authorized representatives shall have access to all books, documents, papers, records, and other evidence (including emails) directly pertinent to the contract for audit or program review, consistent with KRS 45A.695, and may conduct field reviews and interview personnel.
- **Record retention.** All records pertaining to the contract must be clearly identified, readily accessible, and kept for at least three (3) years after project completion, or longer if an audit or claim is pending.
- **Invoices and documentation.** Invoices must be itemized consistent with Schedule B1, reference the contract number, the KYTC "Gantry Crane Rehab Project," and KYTC contract SC 625-2700000546, and be supported by documentation sufficient for KYTC reimbursement and closeout, including delivery receipts, test reports, and evidence of acceptance.
- **Progress information.** The contractor must provide monthly written status updates and photographs of fabrication and site work to support LRA's monthly reporting to KYTC, and must cooperate with KYTC's closeout site inspection.
- **Tax and employment law compliance (KRS 45A.485).** The contractor and its subcontractors must disclose any final determination of a violation of KRS Chapters 136, 139, 141, 337, 338, 341, or 342 within the previous five (5) years, and remain in continuous compliance with those chapters for the duration of the contract (Form D2).
- **Boycott certification (KRS 45A.607).** For a contract of $100,000 or more, the contractor represents that it is not engaged in, and will not engage in for the duration of the contract, a boycott of a person or entity based in or doing business with a jurisdiction with which Kentucky can enjoy open trade, as those terms are defined in the statute.
- **Lobbying (KRS 11A.236 and 45A.328).** The contractor represents that it and its subcontractors have not violated KRS 11A.236 during the previous ten (10) years and have not procured the

contract while employing an executive agency lobbyist convicted of a crime related to the contract, as described in KRS 45A.328.

- **Nondiscrimination and equal employment opportunity.** The contractor must not discriminate against any employee or applicant for employment because of race, color, religion, sex, age (40 and over), disability, veteran status, or national origin, and must comply with the Kentucky Equal Employment Opportunity Act, KRS 45.560 to 45.640, if the contract exceeds $500,000.
- **Prohibited interest and contingent fees.** No LRA board member, officer, or employee may have a financial interest in the contract (KRS 45A.340). The contractor warrants that no person has been retained to solicit or secure the contract for a commission or contingent fee.
- **Subcontractor changes.** No listed subcontractor may be replaced, and no subcontractor may be added for on-site or material work, without LRA's prior written approval.
- Generative artificial intelligence. Consistent with Article VI, Section S of LRA's agreement with KYTC and Commonwealth Office of Technology policy CIO-126, the contractor shall disclose to LRA in writing, in advance, every use or integration of generative artificial intelligence and shall identify each part of the contracted work expected to be, or actually, performed with AI assistance. This is a continuing obligation. The contractor shall not use generative AI for any illegal purpose or in violation of Commonwealth policy and shall not enter Commonwealth or LRA confidential or internal data into a generative-AI system, or use such data to build or train an AI program, without LRA's prior written approval. The contractor shall promptly give LRA written notice of any actual or suspected noncompliance with these requirements.

18. CONTRACT DOCUMENTS AND ORDER OF PRECEDENCE

LRA reserves Part III for its form of procurement contract, which will be issued to all prospective bidders by formal solicitation addendum before bid opening. The issued form and any subsequent amendments by addendum will become solicitation documents. Bidders shall identify any exception to that form on Form A-10; a material exception may render the bid nonresponsive.

The contract will incorporate this solicitation, all issued addenda, and the portions of the successful bid expressly accepted by LRA. If these documents conflict, the following order of precedence applies: (1) the executed contract and written amendments; (2) issued addenda; (3) this Invitation for Bids, including Exhibit A; and (4) the accepted portions of the successful bid and written clarifications. Approved technical submittals confirm the equipment to be furnished but do not modify the price, scope, schedule, or other requirements unless LRA expressly approves the change in writing.

19. ETHICS, COLLUSION, AND COMMUNICATIONS

- From issuance of this solicitation until Notice of Award, bidders must not contact LRA board members, staff (other than through the solicitation webpage), POL personnel, or KYTC staff about this procurement. Improper contact may result in rejection of the bid.
- By signing Form D1, the bidder certifies that its bid was prepared independently, without collusion with any other bidder, and that it has not offered or given any gratuity or kickback in connection with this procurement (KRS 45A.455).
- Each bidder must disclose any actual or potential conflict of interest on Form D1.

PART II — BID RESPONSE PACKAGE

Part II consists of Exhibits A through D. Exhibit A states LRA's requirements and includes Form A-10, which the bidder completes. Exhibits B, C, and D are forms the bidder completes, signs, and submits. The completed Part II forms, with their labeled attachments, constitute the bid.

> Label attachments as follows: A-1 product literature and technical data; A-2 exceptions and deviations (if any); C-2 manufacturer authorization; C-3 additional reference information (optional); C-7 WMBE/DBE outreach evidence; C-9 surety letter.

EXHIBIT A — TECHNICAL SCOPE AND PERFORMANCE SPECIFICATIONS

A1. KYTC-APPROVED PROJECT SCOPE

Attachment A (Scope of Work) to LRA's KPRCM agreement with KYTC, SC 625-2700000546, includes "retrofitting the crane gantry structure to accept additional load capacity and replacing the old crane bucket and hopper." This solicitation covers only the replacement bucket. The hopper and the gantry-structure retrofit will be procured separately.

A2. EXISTING EQUIPMENT AND SITE REFERENCE DATA

The following information and drawings are provided for reference. Bidders must field-verify all interface conditions (Section 6 of Part I). If a reference dimension or condition conflicts with the successful bidder's field verification, the bidder shall notify LRA in writing before fabrication.

Reference drawings issued with this solicitation:

Reference	Drawing / document
R-1	Existing Bucket — Mack MHSCH-2100/1600 (MHSCH-2100_1600.pdf)
R-2	Crane Hook Clearance — H25-022-HOOK GS12_s01 (H25-022-HOOK GS12_s01.pdf)
R-3	Gantry Crane Controls and Electrical Data — Proposal 345-25-102-EE-R3 (Q-345-25-102-EE-R3 KPRCM - 2024 GANTRY CRANE REPAIR.pdf)
R-4	Receiving Hopper Drawings (hopper_drawings.pdf)

Item	Reference information
Crane	Rail-mounted gantry crane, Harnischfeger (P&H), serial no. CI-29638, built 1989, Ohio River Mile 618
Crane rehabilitation	Controls, drives, brakes, festoon, and cab rehabilitated under LRA's 2024 KPRCM project, including conversion to AC variable-frequency controls and new cab controls and wiring to the cord reel for grab/bucket operation
Rated hoist capacity	30 tons at the hook (current rating). A higher rating is anticipated only after a separately procured gantry-structure retrofit and must not be assumed for this procurement unless LRA issues an addendum.
Allowable suspended load for the Bucket (empty Bucket + payload + any rigging)	60,000 lb (30 tons) total suspended load at the hook, including the empty Bucket, payload, and any rigging.
Operating radius and lift path	Not applicable (per POL)
Existing bucket	Mack Manufacturing self-contained electro-hydraulic clamshell, MHSCH-2100/1600; 21 cu. yd. heaped with spill plates; 31,800 lb empty (with hydraulic oil); 13 ft 6 in overall height; electric motor driving a hydraulic pump. The existing model was chosen to maximize lift volume while fitting between the crane hook and the top of the receiving hopper.

Item	Reference information
Lifting interface	Bucket is lifted from the gantry crane hook. The hook block locks in place in any of the four cardinal directions (anti-rotation). See Reference Drawing R-2. The bidder must field-verify the hook, throat opening, latch, lifting interface, and all controlling dimensions before fabrication.
Power supply to bucket	Existing Hubbell four-electrode connection; the supply is known to be three-phase. The bidder must field-verify the connector type, voltage, frequency, phase, and available amperage before fabrication.
Bucket controls	Existing cab controls installed during the 2025 crane rehabilitation; see Reference Drawing R-3. The bidder must determine and field-verify required control functions, control voltage, plug/interface, and compatibility with the present controls before fabrication.
Operating clearances	Maximum closed height: 13 ft 6 in. Fully open height should remain near 16 ft 2 in. Receiving-hopper opening: 21 ft 6 in by 15 ft 6 in. See Reference Drawing R-4. The bidder must field-verify all controlling dimensions, clearances, and lift-path conditions before fabrication.
Site address	Port of Louisville, 8252 Port Road, Louisville, Kentucky 40258

A3. PERFORMANCE REQUIREMENTS

A3.1 Bucket type

One (1) new, self-contained electro-hydraulic clamshell bucket, with an electric motor driving the bucket's hydraulic pump, suspended from the crane's hook and powered and controlled through the crane's existing Hubbell four-electrode plug connection, suitable for unloading and loading dry bulk commodities between river barges and the receiving hopper in continuous terminal service.

A3.2 Capacity (Base Bid)

- Minimum nominal heaped capacity of 21 cubic yards, with spill plates, stated by the manufacturer using a recognized rating method identified on Form A-10. Because actual fill is governed by the 60,000-lb allowable suspended-load limit and material density, LRA does not represent that the Bucket may be operated at its full heaped volume for every commodity. LRA prefers the greatest practical volume above 21 cubic yards that does not significantly increase empty weight above the existing 31,800 lb (with oil).
- **The allowable suspended load controls over nominal capacity.** In operation, the Bucket's empty weight (with all fluids) plus its contents must not exceed the allowable suspended load stated in Section A2.
- Commodity bulk densities range from approximately 80 to 150 lb/cu. ft. The bidder must state on Form A-10 the empty weight, maximum payload, and a fill chart showing the maximum permissible fill volume within the allowable suspended load for material densities of 50, 80, 100, 125, and 150 lb/cu. ft. POL operating procedures require an operator to release material if the crane load indication exceeds 60,000 lb; crane safety interlocks do not authorize operation above the 60,000-lb limit.

A3.3 Alternate 1 — higher capacity

Bidders may offer, as Alternate 1, a larger-capacity Bucket. Alternate 1 must meet every requirement of this Exhibit and will be considered only if LRA and POL verify that it is within the crane's allowable suspended load and dimensional, electrical, and control limits.

A3.4 Commodities, duty, and service life

- Commodities: coal, petroleum coke, salt, clay (including bauxite clay), gypsum, limestone, gravels, soils, magnetite, ore, mill scale, and fly ash. Bulk densities approximately 80 to 150 lb/cu. ft.
- Material characteristics: some materials arrive wet and very sticky (principally bauxite clay); mill scale is extremely heavy and fine; fly ash is fine and prone to leakage; salt, when handled, is the most corrosive material. Materials are abrasive to surface coatings over time. Materials are handled at ambient temperature.
- Duty cycle: not less than **20 cycles (lifts) per hour**.
- Design service life: not less than **20 years** and **500,000 cycles**, consistent with the expected remaining cycles of the crane.
- Loading and discharge: conventional clamshell operation, digging from barges and discharging into the receiving hopper. Noise, dust, and spill control at least equal to industry standards and to the existing bucket.
- Environment: outdoor marine terminal on the Ohio River; exposure to rain, river spray, and corrosive dust.

A3.5 Structure, sealing, and wear components

- Shells, arms, and frame fabricated from high-strength, quenched-and-tempered structural steel (ASTM A514 or equal), with abrasion-resistant wear plate of at least 400 Brinell hardness on surfaces in contact with material.
- Shell lips and closure designed to **seal tightly and prevent material loss** in transit from barge to hopper across the full range of commodities, including fine and free-flowing materials; seals and wear edges must be readily serviceable to correct leakage.
- Spill plates required. Replaceable cutting edges, lips, or teeth suitable for the commodities listed.
- Heat-treated, stress-relieved alloy shafting (AISI 4140 or equal); oversized, hardened bushings (450–500 Brinell or equal) at all hinge points; all hinge points easily lubricated.
- All structural welding performed by certified welders qualified to a recognized welding code identified by the bidder.

A3.6 Electro-hydraulic system

- Self-contained hydraulic power unit (electric motor driving a hydraulic pump), reservoir, filtration, relief protection, and heavy-duty hydraulic cylinders, with flat-face or split-flange fittings and protected hose routing. The hydraulic system must be designed to minimize leaks and to allow seals to be serviced readily.
- Electric motor and enclosure rated for outdoor marine service and the power supply in Section A2, with thermal protection, connected through the existing Hubbell four-electrode plug.

- Open and close functions operable from the existing cab controls without modification to crane controls, or, if modification is required, with all required changes included in the Base Bid and disclosed on Form A-10.
- Initial fill with the manufacturer-recommended hydraulic fluid meeting applicable SAE and industry standards is included in the Base Bid. Biodegradable hydraulic fluid is not required.

A3.7 Dimensions, finish, and markings

- Closed overall height must not exceed 13 ft 6 in; fully open height should remain near 16 ft 2 in. The Bucket must fit between the crane hook and the receiving hopper and must pass through and operate over the 21 ft 6 in by 15 ft 6 in hopper opening, subject to field verification of all controlling clearances.
- Corrosion-resistant industrial coating system for marine service; finish color shall be blue, selected by POL from the manufacturer's available standard color palette to coordinate with POL branding.
- Permanent markings of manufacturer, model, serial number, date of manufacture, empty weight, rated capacity (volume), and maximum payload.

A4. STANDARDS

The proposed bucket shall be designed, manufactured, tested, and delivered in accordance with applicable laws and regulations, generally accepted industry standards for equipment of this type, and the manufacturer's established design and quality-control practices. The bidder shall be responsible for providing a safe, complete, and serviceable bucket compatible with the existing crane, lifting interface, electrical and hydraulic systems, operating clearances, rated capacity, and intended materials.

The successful bidder shall provide final drawings, weight and load information, interface details, operating requirements, and applicable fabrication and test certifications sufficient for LRA and POL to verify compatibility and acceptance. A professional engineer's seal shall be required only when required by applicable law or expressly required by the final contract. LRA's or POL's review of submitted information shall not relieve the successful bidder or manufacturer of responsibility for the design, manufacture, compatibility, or performance of the bucket.

A5. FIELD VERIFICATION AND SUBMITTALS

Within 21 calendar days after Notice to Proceed, the contractor must complete on-site field verification with POL and submit the following for LRA review. Fabrication may not begin until LRA returns the submittals marked "No Exceptions Taken" or "Make Corrections Noted."

- Written field-verification report and certification that the Bucket is compatible with the crane interface, power and controls, and clearances;
- General-arrangement drawing with dimensions (open and closed), weight, center of gravity, and lifting interface details;
- Capacity, empty weight (with fluids), maximum payload, and maximum material density calculation demonstrating compliance with Section A3.2;
- Hydraulic and electrical schematics, connector details, and power requirements;
- Coating system data, welding procedure/qualification summary, and quality-control plan;

- Detailed schedule for fabrication, factory testing, shipment, installation, commissioning, and training; and
- Installation and rigging plan, including coordination with POL's removal and on-site relocation of the existing bucket, equipment to be used, and site requirements.

A6. TESTING, DELIVERY, INSTALLATION, AND ACCEPTANCE

A6.1 Factory testing

Before shipment, the manufacturer must perform its standard functional test, including full open/close cycling, hydraulic pressure and leak checks, and electrical checks, and must furnish a certified test report and certified empty weight. LRA or its representative may witness the factory test at LRA's expense with ten (10) business days' notice.

A6.2 Delivery

Deliver to the site, freight prepaid, during normal working hours by appointment with POL at least five (5) business days in advance. The contractor bears risk of loss until final acceptance.

A6.3 Installation and changeover

- Unload, rig, and install the replacement Bucket and make all required mechanical, electrical, hydraulic, and control connections. POL will remove and relocate the existing bucket on site using POL equipment.
- The contractor shall furnish all labor, tools, rigging, and equipment required to unload and install the replacement Bucket and shall coordinate its work with POL's removal and relocation of the existing bucket.
- Schedule all on-site work with POL. The changeover installation shall not interrupt crane operations for more than one (1) business day.
- Comply with POL and LRA site rules, including site orientation, check-in, PPE (hard hat, safety-toe boots, high-visibility clothing, and eye protection), lockout/tagout, security, and TWIC requirements as applicable. A personal flotation device is required when the contractor's work requires boarding, entering, or working from a barge, and whenever otherwise required by site rules.

A6.4 Field testing and commissioning

After installation, in the presence of LRA and POL, the contractor must:

- Verify proper rotation, voltage, current draw, controls, limit/relief settings, and absence of hydraulic leaks;
- Demonstrate full open/close cycling empty and loaded, including open and close times stated on Form A-10;
- Conduct an operational test with actual commodity, including a loose, fine material prone to leakage (such as fly ash or mill scale), as selected by POL, over not less than five (5) consecutive cycles, demonstrating the rated cycle rate and no material loss in transit from barge to hopper. No separate proof-load test is required beyond the specified factory and field operational testing.
- Verify, using the crane's calibrated load cell, that the loaded suspended weight does not exceed the allowable suspended load.

A6.5 Final acceptance

Final acceptance occurs only by LRA's written notice after: successful field testing; completion of training; delivery of all documentation and spare parts; correction of all deficiencies; and receipt of the warranty certificate. The warranty period begins on the date of written final acceptance.

A7. TRAINING, DOCUMENTATION, AND SPARE PARTS

- Training: on-site training for POL operators and maintenance personnel covering operation, safety, inspection, lubrication, troubleshooting, and component replacement — minimum two (2) sessions totaling eight (8) hours.
- Documentation: two (2) printed sets and one electronic (PDF) set of operation and maintenance manuals, parts book with part numbers, hydraulic and electrical schematics, as-built general-arrangement drawing, factory test report and certified weight, coating and welding certifications, and warranty certificate.
- Initial spare parts (included in Base Bid): The contractor shall furnish manufacturer-recommended startup spare parts, including, at a minimum, one set of bucket bearing pins, one set of hydraulic hoses, one set of hydraulic seals and filters, and one set of replacement cutting edges/teeth (if applicable). Bidders shall provide an itemized list of included spare parts, with descriptions and quantities, on Form A-10 or an attachment referenced therein. All listed parts shall be included in the Base Bid price. Additional spares proposed under Alternate 3 are separate from these required Base Bid spares.

A8. WARRANTY AND SERVICE SUPPORT

- Complete-system warranty covering materials, workmanship, design, and performance, including parts, labor, travel, and shipping, for not less than twelve (12) months after written final acceptance (bidders are encouraged to offer longer terms; see Alternate 2). If the manufacturer's standard warranty begins earlier, the contractor must extend it so LRA receives the full required term.
- Structural warranty on shells, arms, and welds for not less than twenty-four (24) months after written final acceptance.
- Response to warranty calls: telephone response within one (1) business day; technician on site within three (3) business days when required.
- Parts availability for not less than ten (10) years. Any hour, cycle, or other warranty limitation must be disclosed on Form A-10.

A9. SCHEDULE

Each bidder shall propose a firm number of calendar days after Notice to Proceed for delivery and for completion of installation, commissioning, and readiness for final acceptance, using Schedule B3. The successful bidder's committed durations will be incorporated into the contract and are enforceable contractual obligations. Failure to meet a committed milestone will be subject to the remedies stated in the contract. Delivery time is not a scored factor and shall not be used to rank otherwise responsive bids.

FORM A-10. BIDDER'S TECHNICAL DATA AND COMPLIANCE

To be completed by the bidder. Attach supporting literature as Attachment A-1.

Manufacturer	
Model / designation	
Country and plant of manufacture	
Heaped capacity (cu. yd.) and rating method	
Water-level / struck capacity (cu. yd.)	
Empty weight, with fluids (lb)	
Rated maximum payload (lb)	
Maximum material density at full heaped capacity within the allowable suspended load (lb/cu. ft.)	
Fill chart: maximum fill volume within the allowable suspended load at 50 / 80 / 100 / 125 / 150 lb/cu. ft.	_____ / _____ / _____ / _____ / _____ cu. yd.
Rated cycle rate (cycles per hour) and design life (years / cycles)	
Overall height, open / closed (ft-in)	
Open jaw span / closed length and width (ft-in)	
Closing force or digging force (state basis)	
Open time / close time (seconds)	
Motor: HP, voltage, phase, full-load amps	
Hydraulic system pressure / reservoir capacity / fluid type	
Connector and control interface; any crane modifications required	
Shell and wear-plate material and hardness	
Cutting edges / teeth type	
Coating system and color	

Welding code and welder qualification	
Initial spare parts included in Base Bid — itemize part descriptions and quantities (attach list if necessary)	
Warranty limitations (hours, cycles, exclusions), if any	

Statement of compliance

☐ The Bucket offered complies with all requirements of Exhibit A without exception.
☐ The Bucket offered complies with all requirements of Exhibit A except as listed below or in Attachment A-2.

Section reference	Exception, deviation, or clarification (including any exception to the form of contract)

EXHIBIT B — BID PRICE FORM

Bidder (legal name)	

B1. BASE BID

The Base Bid is a firm fixed price for the complete turnkey work described in Exhibit A, F.O.B. destination, installed, excluding sales and use tax. The component breakdown is for information and invoicing; each component is included in the Base Bid total.

No.	Component	Amount
1	Engineering, design verification, on-site field verification, and submittals	$
2	Bucket manufacture, complete with self-contained electro-hydraulic system and initial fluid fill	$
3	Factory testing, inspection, certified weight, and test reports	$
4	Initial spare parts (Exhibit A, Section A7)	$
5	Packaging, freight, insurance, and delivery to site	$
6	Unloading, rigging, and installation of the replacement Bucket; required mechanical, electrical, hydraulic, and control connections; and coordination with POL's removal and on-site relocation of the existing bucket	$
7	Commissioning, field testing, training, and closeout documentation	$
	TOTAL BASE BID (Items 1–7)	**$**

Total Base Bid in words	

B2. ALTERNATES AND OPTIONS

Each alternate is optional and shall not qualify or modify the bidder's obligation to submit a complete, compliant Base Bid. The bidder shall state the net adjustment to the Base Bid. LRA may accept or reject any alternate in accordance with the solicitation's stated award methodology (Part I, Section 12.3).

Alternate	Description	Net adjustment	Effect
Alternate 1	Substitute higher-capacity bucket: ____ cubic yards heaped; empty weight ____ lb.; maximum payload ____ lb. Attach the required compatibility and load documentation.	$	Add / Deduct / No change
Alternate 2	Extend the complete-system warranty from the offered Base Bid term of ____ months to ____ months after LRA's written final acceptance.	$	Add

Alternate	Description	Net adjustment	Effect
Alternate 3	Additional recommended wear and critical spare parts beyond the initial spare parts included in the Base Bid. Attach an itemized list with quantities and unit prices.	$	Add

B3. SCHEDULE COMMITMENTS

State committed durations in calendar days after Notice to Proceed. Committed durations become contract requirements.

Milestone	Calendar days after NTP
Field verification complete and submittals delivered	
Fabrication complete and factory test	
Delivery to site	
Installation and commissioning complete; ready for final acceptance (binding bidder commitment under Exhibit A, Section A9)	
Proposed crane outage for changeover (one business day maximum)	

B4. FIELD SERVICE RATES (INFORMATION ONLY — NOT EVALUATED)

For any additional field service LRA may request outside the contract scope.

Service	Rate	Basis
Field service technician — straight time	$	per hour
Field service technician — overtime / weekend	$	per hour
Travel and per diem	$	per trip / day

EXHIBIT C — QUALIFICATIONS, REFERENCES, INSURANCE, SUBCONTRACTORS, AND WMBE/DBE OUTREACH

> Exhibit C is a material part of the bid. All forms must be completed. See Part I, Sections 8, 13, and 14.

C1. BIDDER PROFILE

Legal name	
Doing business as (if any)	
Street address	
Mailing address	
Contact person, title, phone, email	
Federal EIN	
Commonwealth of Kentucky vendor code (if any)	
Type of entity and state of organization	
State of residence for KRS 45A.494 purposes	
Registered with the Kentucky Secretary of State?	☐ Yes ☐ No — will register before contract execution
Years in business under current name	
Role	☐ Manufacturer ☐ Authorized dealer/distributor ☐ Other: _____
Nearest service facility to Louisville, KY	
Number of qualified field-service technicians	
Typical lead time for critical spare parts	
Business classification(s), if any (WBE, MBE, DBE, SBE, veteran-owned) and certifying agency	

C2. MANUFACTURER AUTHORIZATION

If the bidder is not the manufacturer, attach as Attachment C-2 a letter on the manufacturer's letterhead confirming that the bidder is authorized to sell, install, and provide warranty service for the Bucket offered, and that the manufacturer will honor the warranty required by Exhibit A.

C3. COMPARABLE EXPERIENCE AND REFERENCES (THREE REQUIRED)

List three (3) self-contained electro-hydraulic clamshell or grab buckets of 15 cubic yards or larger, for bulk-material handling in marine, port, or comparably demanding service, delivered within the past seven (7) years. LRA may contact any reference.

Reference 1

Customer / organization	
Contact name, title, phone, email	
Bucket model, capacity, and service	
Contract value	
Delivery / completion date	
Bidder's role (manufacturer, dealer, installer)	
Subcontractors or service providers used	
Completed on time and within contract price?	☐ Yes ☐ No — explain:

Reference 2

Customer / organization	
Contact name, title, phone, email	
Bucket model, capacity, and service	
Contract value	
Delivery / completion date	
Bidder's role (manufacturer, dealer, installer)	
Subcontractors or service providers used	
Completed on time and within contract price?	☐ Yes ☐ No — explain:

Reference 3

Customer / organization	
Contact name, title, phone, email	
Bucket model, capacity, and service	
Contract value	
Delivery / completion date	
Bidder's role (manufacturer, dealer, installer)	
Subcontractors or service providers used	
Completed on time and within contract price?	☐ Yes ☐ No — explain:

C4. PROJECT PERSONNEL AND SERVICE SUPPORT

Project manager (name, years of experience)	
Field-service / installation lead (name, years of experience)	
Engineering lead (name; PE license if applicable)	
Warranty service contact and response commitment	

C5. INSURANCE ACKNOWLEDGMENT

The bidder has reviewed Part I, Section 14 and affirms that, if awarded the contract, it will obtain and maintain the required coverage; will ensure that every subcontractor and service provider performing delivery or on-site work is properly insured; will collect and review subcontractor certificates; will furnish certificates and endorsements within ten (10) calendar days after notice of intended award; and remains responsible whether a subcontractor is separately insured or covered under the bidder's policies.

☐ Complies without exception
☐ Exceptions listed below or attached (specifically identified)
☐ Unable to comply

Subcontractor coverage will be provided by	☐ Each firm's own policies ☐ Bidder's policies ☐ Combination
Insurance agent / broker and phone	
Exceptions	

C6. SUBCONTRACTORS, SUPPLIERS, AND SERVICE PROVIDERS

List every subcontractor, supplier, or service provider that will perform a material portion of the work, including fabrication, engineering, installation, unloading, rigging, startup, testing, training, or on-site warranty service. Routine common-carrier freight need not be listed unless the carrier will perform unloading, rigging, or other on-site services. Enter "None" if no subcontractors are proposed. The bidder remains fully responsible for all listed firms. No listed firm may be replaced, and no material subcontractor added, without LRA's prior written approval.

Legal name and address	Role / scope	Est. value ($)	On-site work? (Y/N)	WMBE/DBE status and certifying agency

C7. WMBE/DBE GOOD-FAITH OUTREACH DOCUMENTATION

LRA will evaluate this form, Form C6, and Attachment C-7 on a pass/fail basis (Part I, Section 13). A bidder will pass if the documentation reasonably demonstrates each applicable element below. Attach supporting evidence (e.g., solicitation emails or notices, lists of firms contacted with dates, responses received, and notes of follow-up) as Attachment C-7.

Element	Bidder response
1. Opportunities identified. List the portions of the work (e.g., fabrication components, coatings, freight, rigging, electrical connection, field labor) the bidder considered for subcontracting or supply.	

Element	Bidder response
2. Firms solicited. Identify the WMBE/DBE firms contacted, how they were identified (e.g., KYTC, Kentucky Finance Cabinet OSBD, Louisville Metro, or other certification directories), and the dates of contact. Outreach should occur at least five (5) business days before bid opening.	
3. Information provided. Describe the scope, schedule, and pricing information provided to firms contacted.	
4. Follow-up. Describe follow-up with firms that did not initially respond.	
5. Responses and decisions. Summarize responses received and, for any interested firm not used, the reason.	
6. Self-performance. If the bidder will self-perform all work or no subcontracting opportunity is reasonably available, explain why.	

C8. DISCLOSURE OF LITIGATION, DEFAULTS, DEBARMENT, AND SAFETY HISTORY

For the past five (5) years, has the bidder, any principal, or any proposed subcontractor:

Question	Yes / No	If yes, explain
Been debarred, suspended, or declared ineligible by any public agency?		
Had a contract terminated for cause or defaulted on a contract?		
Been involved in litigation or arbitration concerning equipment it supplied or installed?		
Received a serious, willful, or repeat OSHA (or state-plan) citation?		
Had a claim made against a performance or payment bond?		

C9. FINANCIAL CAPACITY

Dun & Bradstreet number (if any)	
Bank reference (name, contact, phone)	
Surety (name, agent, phone)	

Attach as Attachment C-9 a letter from a surety authorized to do business in Kentucky stating that it will furnish the performance and payment bonds required by Part I, Section 14.2 if the bidder is awarded the contract.

EXHIBIT D — CERTIFICATIONS AND DISCLOSURES

Forms D1 and D2 are required from every bidder.

FORM D1

Bid Signature, Acknowledgments, and Certifications

The undersigned, being authorized to bind the bidder, submits this bid to the Louisville and Jefferson County Riverport Authority for ITB No. LRA-KPRCM-2026-02, Replacement Electro-Hydraulic Clamshell Bucket, and certifies and agrees as follows:

Addenda acknowledgment

Addendum No.	Date	Addendum No.	Date

Certifications

By signing below, the bidder certifies that:

- It has examined the entire Invitation for Bids, all addenda, including the procurement contract when issued; has had the opportunity to inspect the site; and its bid is based on those documents.
- Its bid is firm, irrevocable, and valid for ninety (90) calendar days after bid opening, and it will execute the procurement contract issued by addendum and furnish the required bonds and insurance within ten (10) calendar days after Notice of Award.
- Its bid was prepared independently, without collusion, consultation, communication, or agreement with any other bidder or competitor regarding prices or the submission of bids, and it has not offered or given any gratuity, kickback, or thing of value to any LRA or POL director, officer, or employee (KRS 45A.455).
- To its knowledge, no LRA board member, officer, or employee has a financial interest, direct or indirect, in this bid or the resulting contract (KRS 45A.340), and no person has been retained to solicit or secure the contract for a commission, percentage, brokerage, or contingent fee. Any actual or potential conflict of interest is disclosed below.
- It is not debarred, suspended, or otherwise ineligible to contract with any federal, state, or local public agency.
- It has disclosed on Form D2 any final determination of a violation of KRS Chapters 136, 139, 141, 337, 338, 341, or 342 within the previous five (5) years, and it and its subcontractors will remain in continuous compliance with those chapters for the duration of the contract (KRS 45A.485).
- It is not currently engaged in, and will not for the duration of the contract engage in, the boycott of a person or an entity based in or doing business with a jurisdiction with which Kentucky can enjoy open trade, as provided in KRS 45A.607.
- It and its subcontractors have not violated the agency restrictions of KRS 11A.236 during the previous ten (10) years and will abide by them for the duration of the contract, and it has not

procured this or a similar contract while employing an executive agency lobbyist convicted of a crime related to the contract (KRS 45A.328).

- It will comply with applicable nondiscrimination and equal-employment-opportunity requirements, including KRS 45.560 to 45.640 if the contract exceeds $500,000.
- It understands that the contract is funded through KYTC's KPRCM Program; that no work may begin before LRA's written Notice to Proceed; that KYTC and the other agencies named in Part I, Section 17 will have access to its records directly pertinent to the contract; that it must retain those records for at least three (3) years after project completion; and that it will include these requirements in its subcontracts.
- It understands that LRA is subject to the Kentucky Open Records Act and has identified any material it contends is exempt from disclosure, with the legal basis.
- It has completed the generative-AI disclosure below and will comply with the advance-disclosure, continuing-disclosure, data-use, and noncompliance-notice requirements in Part I, Section 17 (Commonwealth policy CIO-126).
- All information in its bid is true, complete, and accurate.

Resident-Bidder and Generative-AI Disclosures

Resident-bidder status under KRS 45A.494 (check one): ☐ Not claimed ☐ Claimed. If claimed, the bidder certifies that statutory requirements for Kentucky resident-bidder status and will provide supporting documentation upon request.
Generative-AI use (check one):
☐ No generative AI was used to prepare this bid, and none is presently expected to be used in performing the contracte
☐ Generative AI was used in preparing this bid or is expected to be used in performing the contracted work. Identify eve affected work below or in an attached disclosure.
Description of disclosed use(s) and affected work: _____ _____

The bidder shall update this disclosure in writing before any additional or changed use of generative AI in the contracted work.

Conflicts of interest (or "None")	
Material identified as confidential and legal basis (or "None")	

Signature	
Printed name	
Title	
Date	
Company name	

Address	
Bidder legal name	

FORM D2

Disclosure of Violations under KRS 45A.485

The bidder and each subcontractor performing work under the contract must disclose any final determination of a violation, within the previous five (5) years, of KRS Chapter 136 (corporation and utility taxes), 139 (sales and use taxes), 141 (income taxes), 337 (wages and hours), 338 (occupational safety and health of employees), 341 (unemployment compensation), or 342 (workers' compensation). This disclosure obligation continues for the duration of the contract.

☐ The bidder and its subcontractors have no final determinations of violation to disclose.
☐ Final determinations of violation are disclosed below.

Firm	Specific KRS violated	Date of final determination	Agency issuing determination

Signature	
Printed name	
Title	
Date	
Company name	
Address	

PART III — FORM OF CONTRACT

> RESERVED — PROCUREMENT CONTRACT TO BE ISSUED BY FORMAL ADDENDUM BEFORE BID OPENING

Part III is reserved for the procurement contract. The complete proposed contract will be furnished by formal addendum before bids are due. The contract, when issued, shall be reviewed as part of the solicitation and will control matters reserved to it, including payment terms and applicable remedies.

- The successful bidder must execute the contract, and deliver the performance and payment bonds and insurance certificates and endorsements, within ten (10) calendar days after Notice of Award.
- The contract will incorporate this Invitation for Bids, all addenda, and the accepted portions of the successful bid, in the order of precedence stated in Part I, Section 18.
- The contract will include the KPRCM grant requirements in Part I, Section 17, which must also be included in subcontracts.
- Any exception to the procurement contract issued by addendum must be stated on Form A-10 and may render the bid nonresponsive.

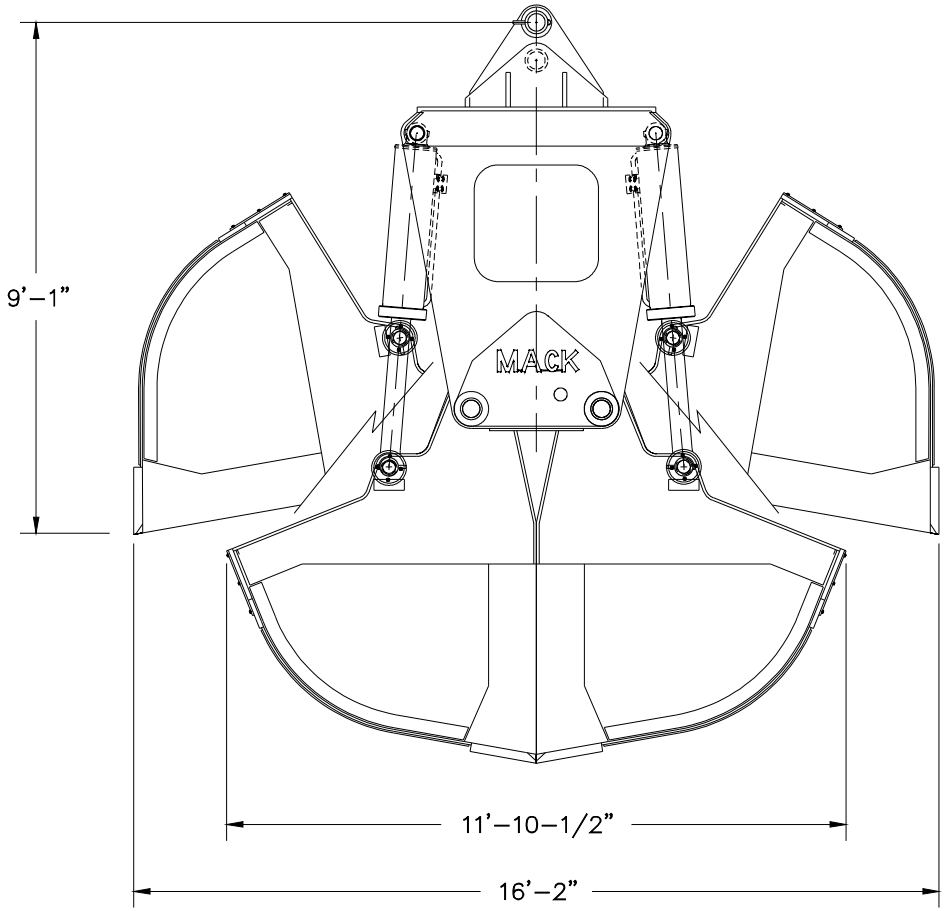
R-1

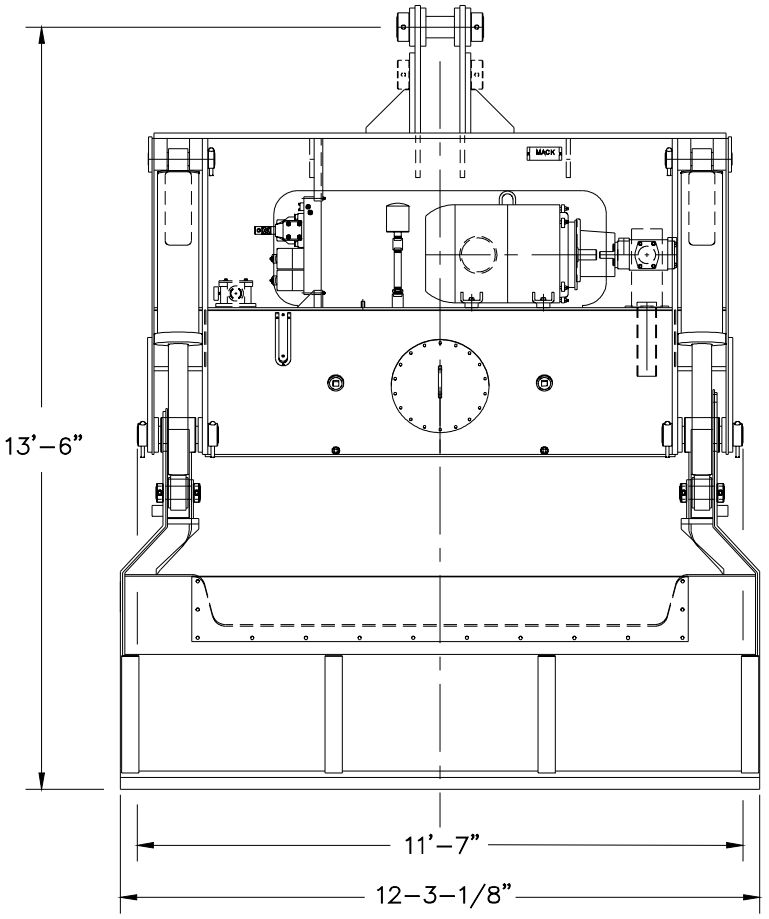
Existing Bucket Drawing

Mack Manufacturing MHSCH-2100/1600
Existing 21-cubic-yard electro-hydraulic clamshell bucket

SOURCE / USE NOTE

Source file: MHSCH-2100_1600.pdf
Published as reference information; bidder field verification controls.





CAPACITY: 21 CUBIC YARDS (HEAPED) W/SPILL PLATE
16 CUBIC YARDS W/O SPILL PLATE

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NOTE: ALL DIMENSIONS ARE APPROXIMATE

MACK MANUFACTURING INC.
THEODORE, ALA. 36590 U.S.A.

SCALE: 1/2"=1'	APPROVED BY	DRAWN BY
DATE: 11/8/07		IVANOVICH

MHSCH–2100/1600

21 CU.YD. & 16 CU.YD.	DRAWING NO: 2–3–0–1343A

R-2

Crane Hook Clearance Drawing

H25-022-HOOK GS12_s01
Existing crane hook and load-block clearance information

SOURCE / USE NOTE

Source file: H25-022-HOOK GS12_s01.pdf
Published as reference information; bidder field verification controls.

GENERAL VENDOR NOTES:

DESIGN FACTOR = 5:1

DIMENSIONS PER SPEC DIN 15401

APPROXIMATE WEIGHT: 121#

WORKING CAPACITY:

(P) CARBON = 28 TON

(T) ALLOY = 44 TON

(V) SUPER ALLOY = 55 TON

HOOK DIMENSIONS		
MARK	INCH	TOLERANCE
A	4.93	+0.24/-0.00
C	3.94	+0.24/-0.00
D	5.63	+0.24/-0.00
E	12.45	+0.24/-0.00
F	4.65	+0.24/-0.00
H	3.74	+0.24/-0.00
J	4.41	+0.24/-0.00
K	5.52	+0.24/-0.00
L	3.35	+0.24/-0.00

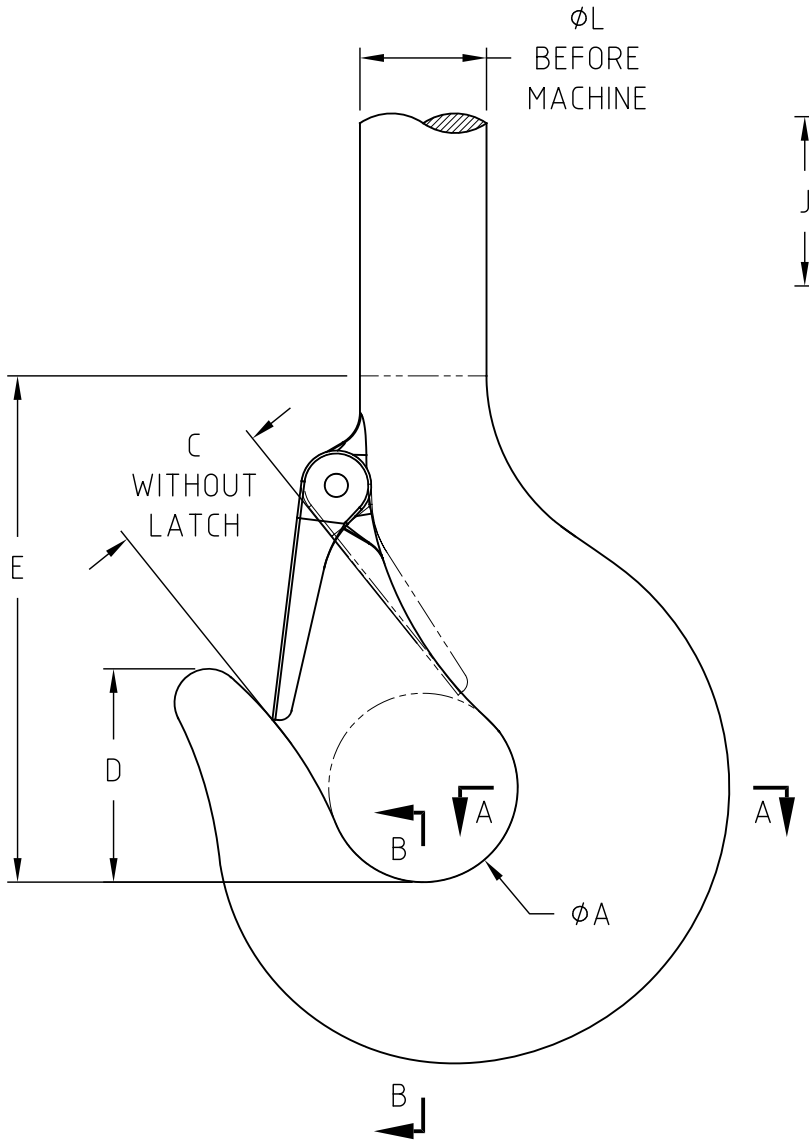
APPROVED _____ ☐

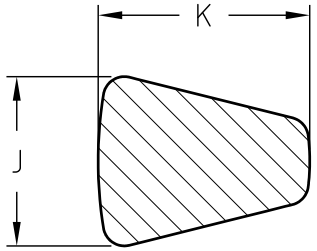
NOT APPROVED _____ ☐

APPROVED AS NOTED _____ ☐

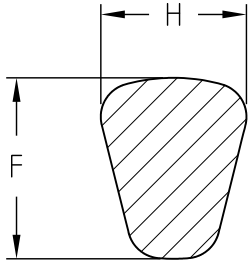
BY: _____

DATE: _____





SECTION A-A



SECTION B-B

REV.	DATE	DESCRIPTION
1	06/29/2020	ADD TOLERANCE COLUMN -CMP
0	01/16/2015	INITIAL RELEASE -BAM

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ace World Companies
10200 JACKSBORO HWY.
FORT WORTH, TX 76135
PHONE 817.237.7700
FAX 817.237.2777
ACEWORLDCOMPANIES.COM

FOR NEW CUSTOMER ORDERS:
DIMENSIONS PROVIDED ABOVE ARE ACE STANDARDS FOR THIS APPLICATION
DEVIATION REQUEST IS SUBJECT TO REQUOTE PENDING ENGINEERING AND SALES REVIEW

DRAWN BY:	CHECKED BY:	APPROVED BY:	SCALE: NTS	DATE: 06/29/2020
DRAWING TITLE: GS12 SINGLE HOOK CLEARANCE DIMENSIONS			JOB NO.	SHEET 1 OF 1 / REV: 1
			PART NO. GENERAL LAYOUT GS12	

R-3

Existing Crane Controls and Electrical Data

Technical extract from Brehob Proposal 345-25-102-EE-R3
Commercial and vendor-specific proposal terms omitted

SOURCE / USE NOTE

The following extract contains only technical reference information relevant to the bucket interface. Pricing, payment terms, acceptance language, and personal contact information are intentionally excluded.

R-3 - Existing Crane Controls and Electrical Data

Technical extract prepared from Brehob Proposal 345-25-102-EE-R3, dated February 24, 2025, concerning the rehabilitation of P&H crane serial CI-29638. Commercial pricing, payment terms, vendor acceptance language, lead-time commitments, warranty terms, and personal contact information have been omitted because they are not part of this solicitation.

Purpose and controlling requirement

This extract is supplied only as reference information about the existing crane power and control system. It is not an as-built certification and does not relieve the bidder from field verification. The bidder must verify the connector, voltage, phase, frequency, available amperage, control voltage, control functions, and compatibility before fabrication.

Reference item	Information reported in source proposal
Crane	P&H crane serial CI-29638; CMAA Class E; 30-ton capacity.
Power supply	460 volts, three phase, 60 Hz AC reported for the crane control system.
Control voltage	120 VAC reported for bridge/cab controls. The source separately lists 110-1-60 for the hoist/trolley control circuit; bidder must verify the actual field condition.
Bucket/grab feed	Bridge festoon conductors provide power and control to the hoist/trolley/grab. A three-phase cable reel is reported as included in the rehabilitated equipment.
Control system	Magnetek controls; Series 5 drives reported in cab controls. Outdoor service, CMAA Class E.
Bridge-control data	Panel model 505-17-44091-XXXX; Impulse drive 4091-G+S4; rated 91 amps; maximum speed ratio 40:1; two-step speed control; deceleration at stop; 3% line reactor; 3% load reactor; IEC brake contactor; NEMA 4X 304 stainless-steel enclosure with heater.
Cab controls	Three-motion AC crane control; 200-amp mainline contactor and disconnect; fused 120-VAC control transformer; 60-hp vector hoist; 2-hp VFD trolley; duplex 30-hp bridge motors; separate outdoor dynamic-braking resistors; two-axis, two-speed joystick for trolley and bridge; single-axis master switch for hoist; mainline on/off pushbutton.
Environmental information	Outdoor severe-duty service. NEMA 4/NEMA 4X equipment and enclosure heaters are identified in the source for specified components.

Bidder verification emphasis

The values above describe information reported for the crane rehabilitation; they are not guaranteed interface values for the replacement bucket. The successful bidder remains responsible for the field-verification report and compatibility certification required by Exhibit A of the solicitation.

R-4

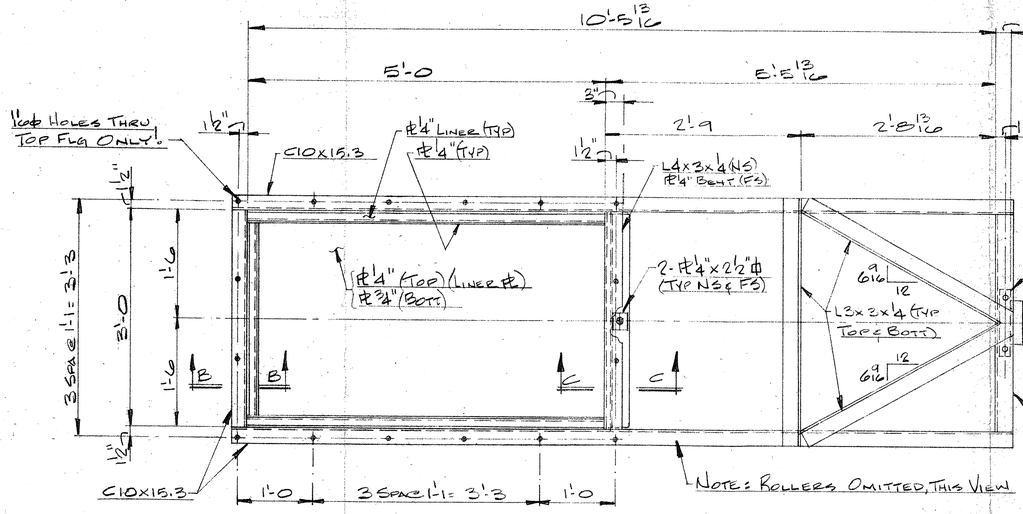
Receiving Hopper Drawings

Existing receiving-hopper plans and dimensions
Six source sheets retained at native drawing size

SOURCE / USE NOTE

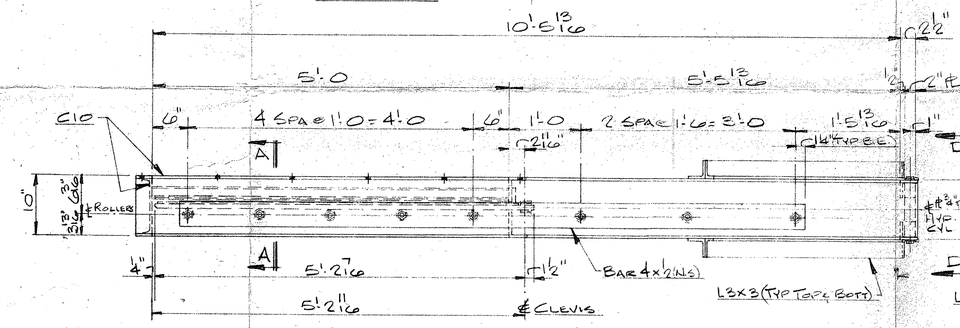
Source file: hopper_drawings.pdf
Published as reference information; bidder field verification controls.

AE 49536



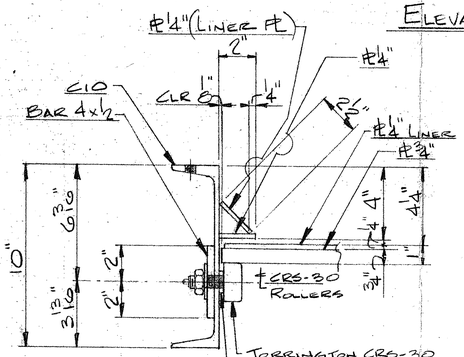
PLAN VIEW ~ 3'-0 x 5'-0 GATE

SCALE 1" = 1'-0

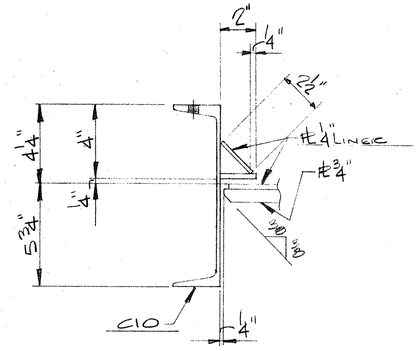


ELEVATION ~ 3'-0 x 5'-0 GATE

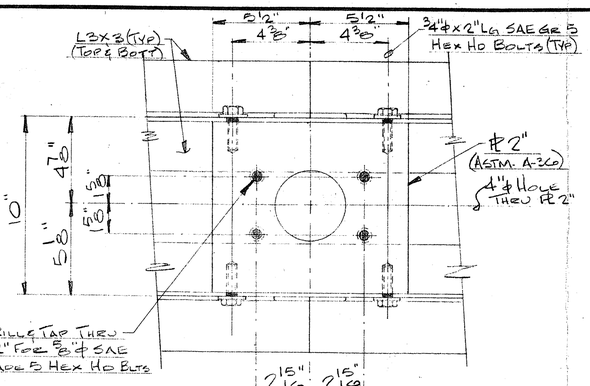
SCALE 1" = 1'-0



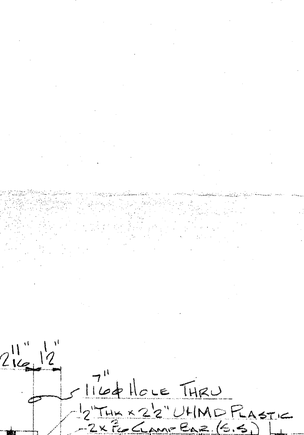
SECTION "A-A"

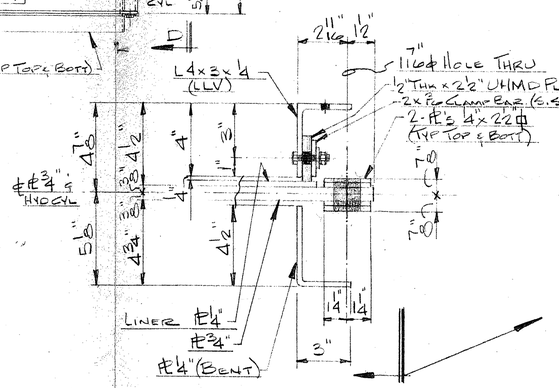


SECTION "B-B"

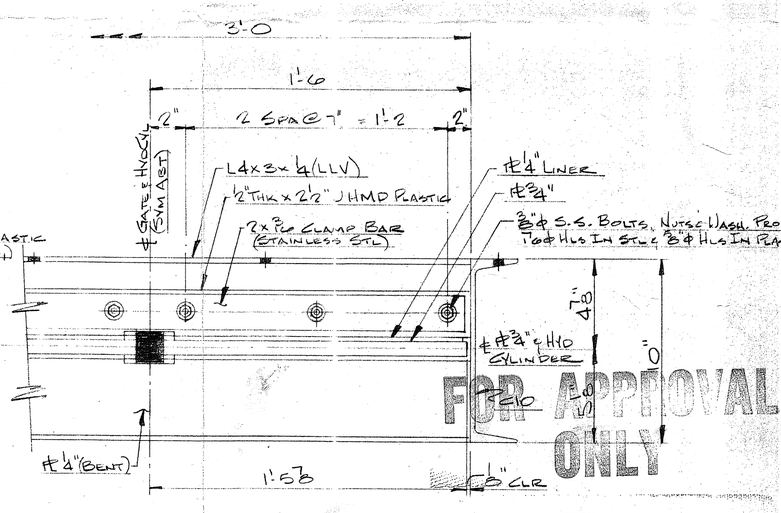


SECTION "D-D"





SECTION "C-C"



NOTES: UNLESS OTHERWISE SPECIFIED GATE TO BE FABRICATED FROM THE FOLLOWING MAT'LS

#'S & BARS ~ ASTM A-588

ROLLED STRUCT SHAPES ASTM-A588

#'4" LINERS ASTM-T1A

USS "T-1" type A

REVIEWED

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HAZELET & ERDAL CONSULTING ENGINEERS
304 W. LIBERTY LOUISVILLE, KY.
CONT. NO. 1180-05
BY
MAY 27 1988

FOR APPROVAL ONLY

- ☐ Reviewed. No change suggested.
- ☐ Reviewed. Marked changes suggested.
- ☐ Add names of reviewers to tracing. ☐ Format 4 tracings.
- ☐ Submit ☐ Do not submit revised reproducibles.
- ☐ Other

B & G Job No. 88-250

REVISIONS			
NO.	DESCRIPTION	DATE	BY
	ISSUE FOR APPROVAL		
	ISSUE FOR CONSTRUCTION		
	ISSUE FOR FILE		

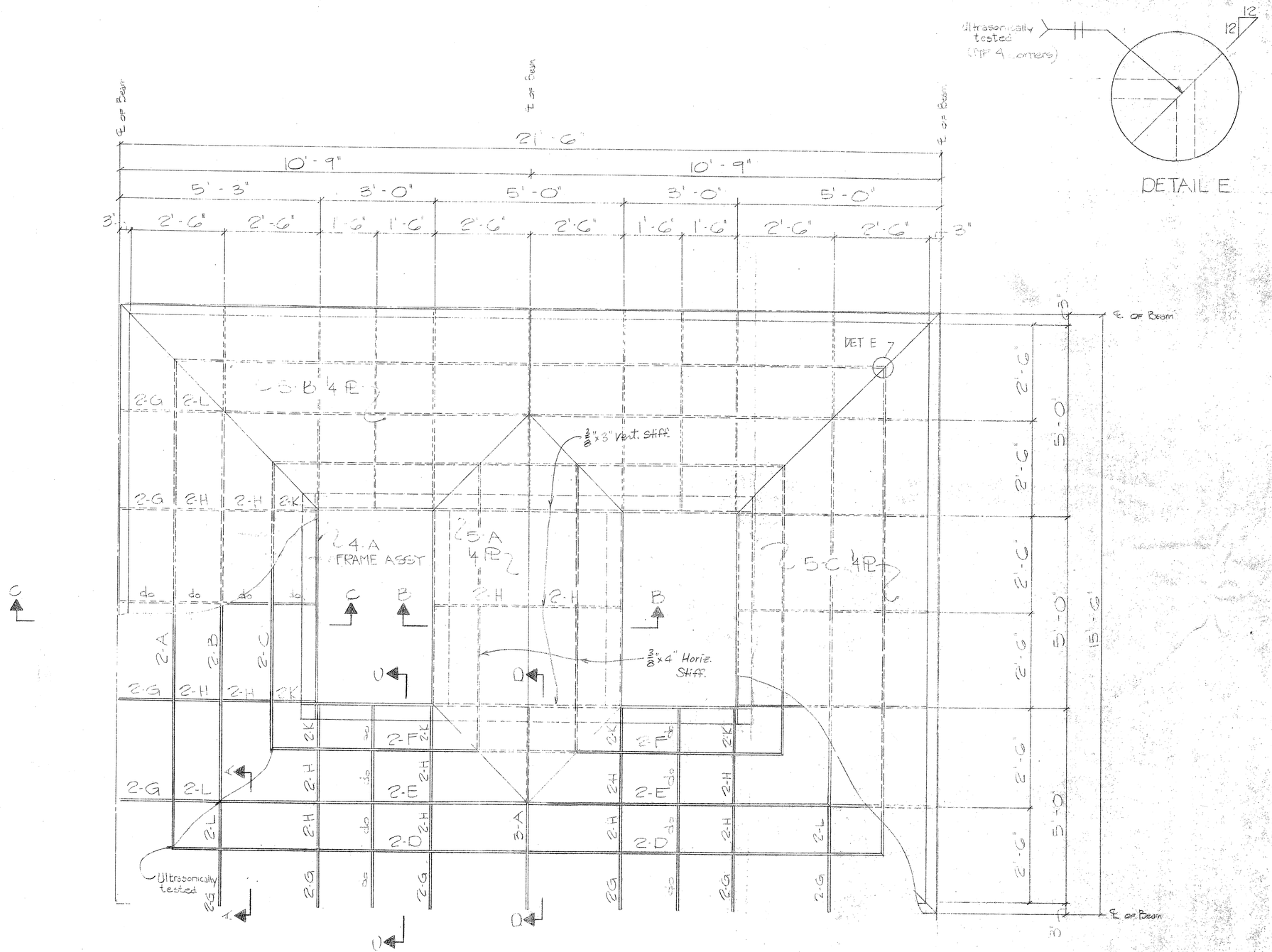
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MAY 17 1988

PICOR

PRODUCTION INDUSTRIES CORPORATION

DRAWN J. Dawkins	DATE 5/17/88	TITLE 3'-0 x 5'-0 Discharge Gate
CHECKED L. Pearson	DATE 5/88	B & G Steel Incorporated
APPROVED T. Wilson	DATE 5/88	FOR Riverport Authority
SCALE 2" = 1 FT. UNLESS NOTED		Louisville, Kentucky
ALL HOLES 11/16 DIA. UNLESS NOTED		DRAWING NUMBER P-364-M1
PAINT		



Ultrasonically tested (PP 4 corners)

DETAIL E

LINE	TOTAL NO. REQ'D.	NO. REQ'D.	DESCRIPTION	LENGTH FT.	LENGTH IN.	MARK	REMARKS	ORDERED ITEM	WEIGHT
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NOTES:
1) DO NOT PRIME OR PAINT.

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REVISE & RESUBMIT
HAZELET & ERDAL
CONSULTING ENGINEERS
304 W. LIBERTY LOUISVILLE, KY.
CONT. NO. 1120
BY TJF
MAY 20 1988

HOLES AS NOTED UN
BOLTS A325
WELDING LH 70 S
PAINT NONE

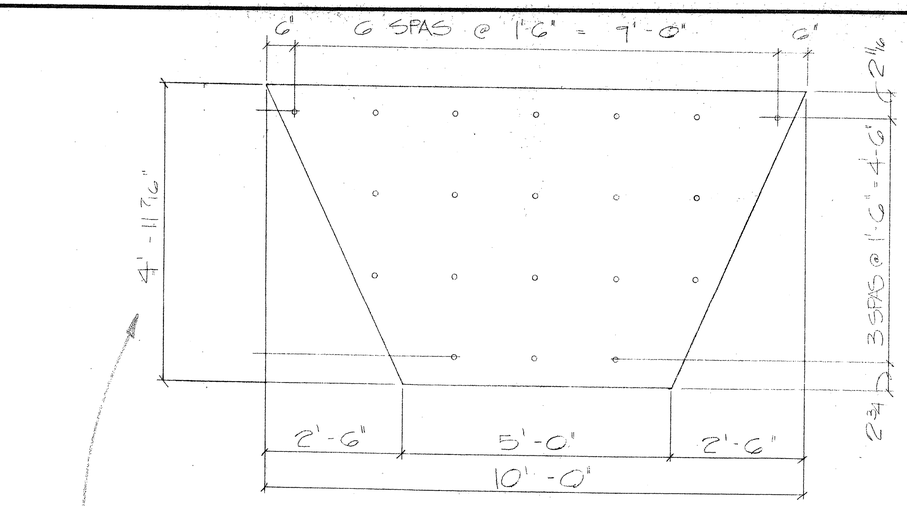
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APPROVAL	3	5-17-88

REVISIONS
NO.1 5-16-88

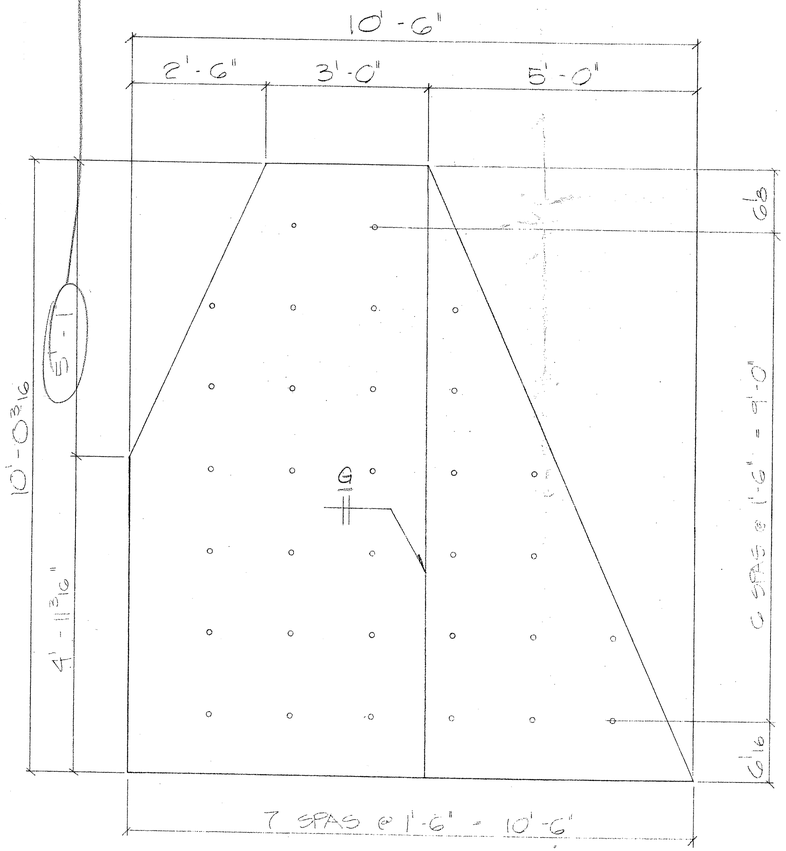
B&G STEEL, INC.
Structural and Industrial Metal Fabrication
P.O. Box 429 - Cave City, KY 42127
(502) 773-4826

SURGE HOPPER
LOUISVILLE, KENTUCKY
RIVERPORT AUTHORITY

JOB NO.	DRAWN	CHECKED	APPROVED
88-250	5-4-88		



6-A 2 REQ'D



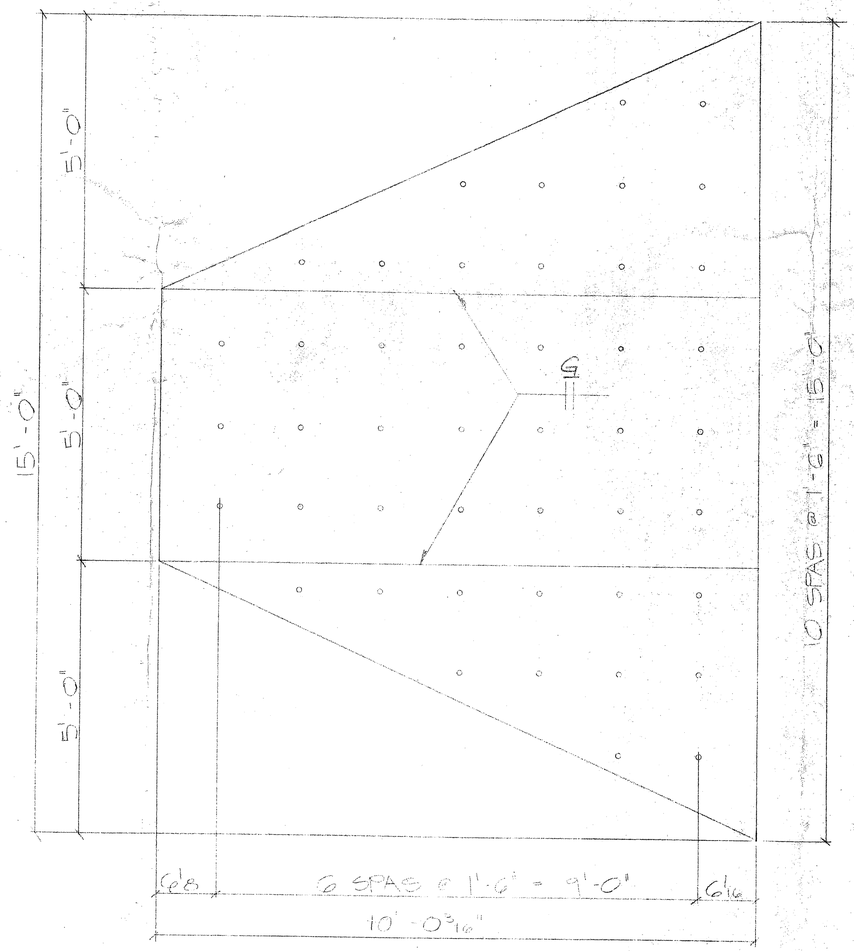
6-B-4 REQ'D

NOTE:

STEEL LINER

1) MATERIAL: USS "T-1" TYPE A ABRASION-RESISTANT STEEL PLATE, 1/4" IN THICKNESS

2) HOLES FOR PLUG WELDING ARE 5/8"



6-C - 2 REQ'D

LINE	TOTAL NO. REQ'D	NO. REQ'D	DESCRIPTION	LENGTH FT.	LENGTH IN.	MARK	REMARKS	ORDERED ITEM	WEIGHT
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3		2	PL A36 ST			6A			
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8		4	PL A36 ST			6B			
9									
10		4	T-1 1/4R x 6'-0"	10	0				
11		2	T-1 1/4R x 5'-0"	10	0				
12									
13									
14		2	PL A36 ST			6-B			
15									
16		4	T-1 1/4R x 5'-0"	10	0				
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REVISE & RESUBMIT

HAZELET & ERDAL
CONSULTING ENGINEERS
304 W. LIBERTY LOUISVILLE, KY.

CONT. NO. 1120

BY TJF

MAY 20 1988

HOLES 5/8 ϕ UN
BOLTS N/A
WELDING LH TO -23
PAINT NONE

ISSUE FOR	NO	DATE
APPROVAL	4	5-16-88
APPROVAL	3	5-11-88

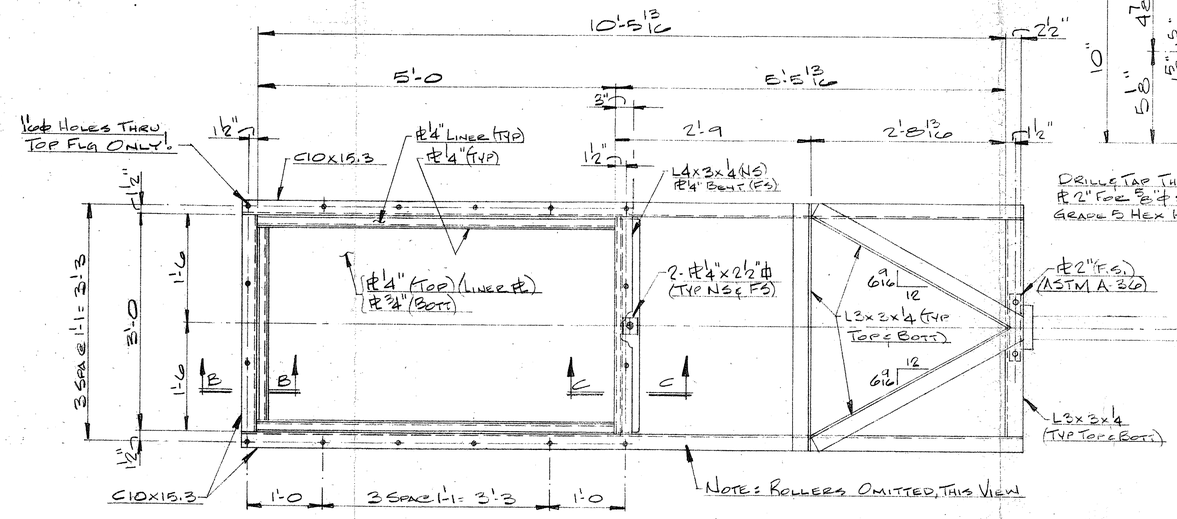
REVISIONS
NO. 1 5-16-88

B&G STEEL, INC.
Structural and Industrial Metal Fabrication
P.O. Box 429 - Cave City, KY 42127
(502) 773-4826

SURGE HOPPER
LOUISVILLE, KENTUCKY
RIVERPORT AUTHORITY

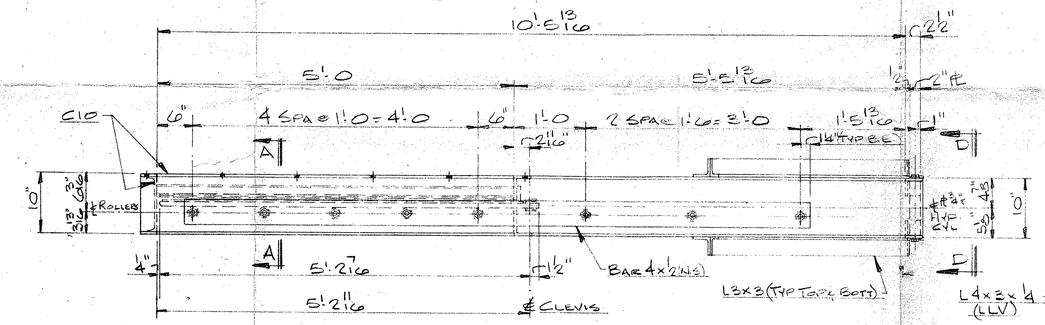
JOB NO.	DRAWN	CHECKED	APPROVED	
88-250	5-4-88			6

AP 49536



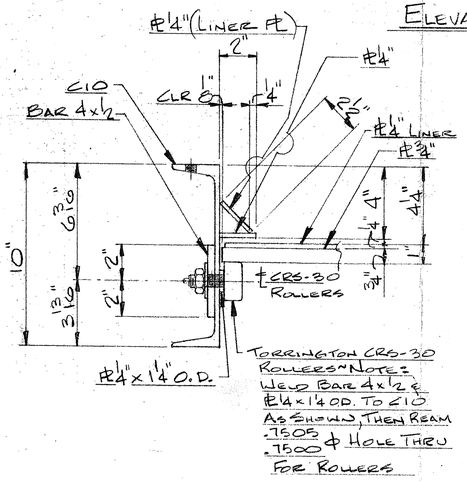
Plan View ~ 3'-0 x 5'-0 Gate

Scale 1" = 1'-0

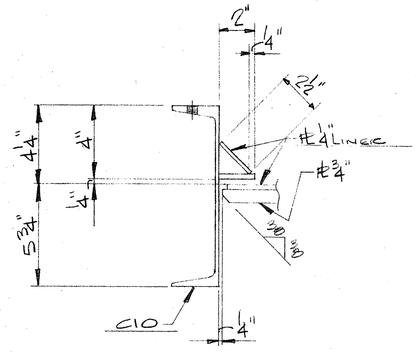


Elevation ~ 3'-0 x 5'-0 Gate

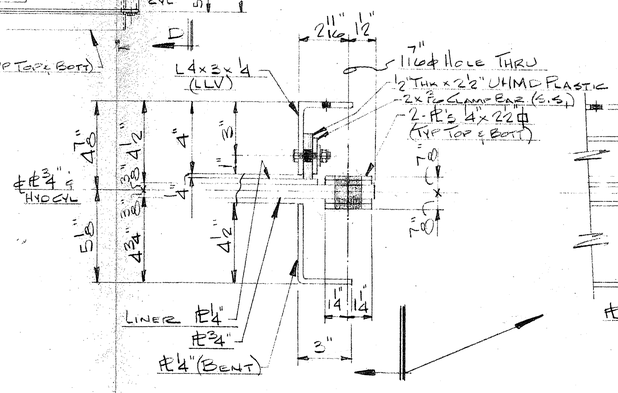
Scale 1" = 1'-0



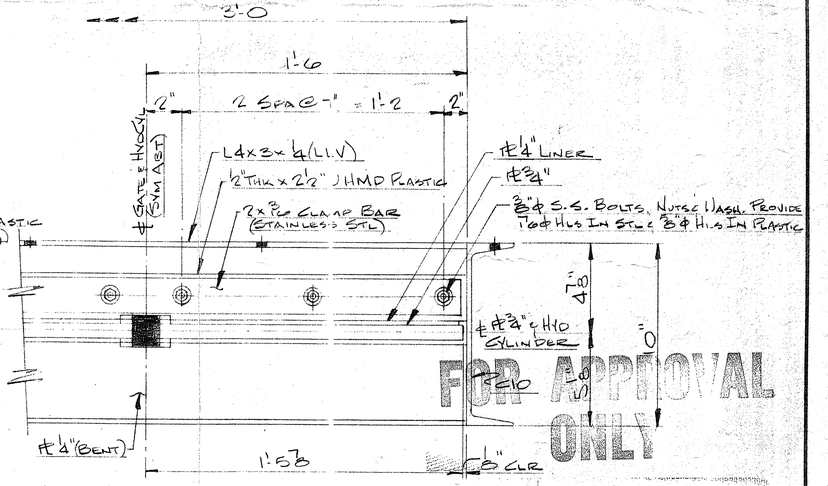
Section "A-A"



Section "B-B"



Section "C-C"



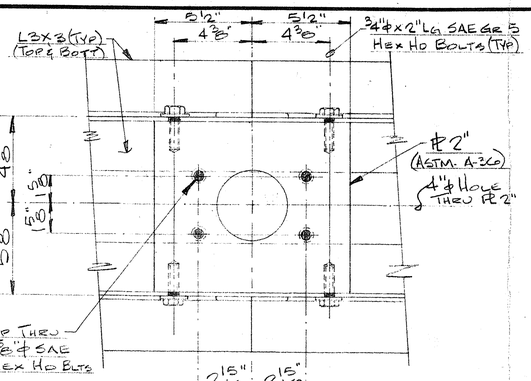
FOR APPROVAL ONLY

Notes: Unless Otherwise Specified Gate To Be Fabricated From The Following Mat'ls

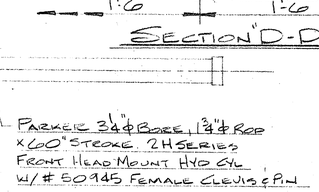
#'s & Bars ~ ASTM A-36

Rolled Struct Shapes ASTM A588

#4 Liners ASTM - T1A
USS "T-1" Type A



Section "D-D"



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HAZELET & ERDAL CONSULTING ENGINEERS
304 W. LIBERTY LOUISVILLE, KY.
CONT. NO. 1120-05
BY
MAY 27 1988

☐ Reviewed. No change suggested.
☐ Reviewed. Marked changes suggested.
☐ Add names of reviewers to tracing. ☐ Forward tracing.
☐ Submit ☐ Do not submit revised reproducibles.
☐ Other

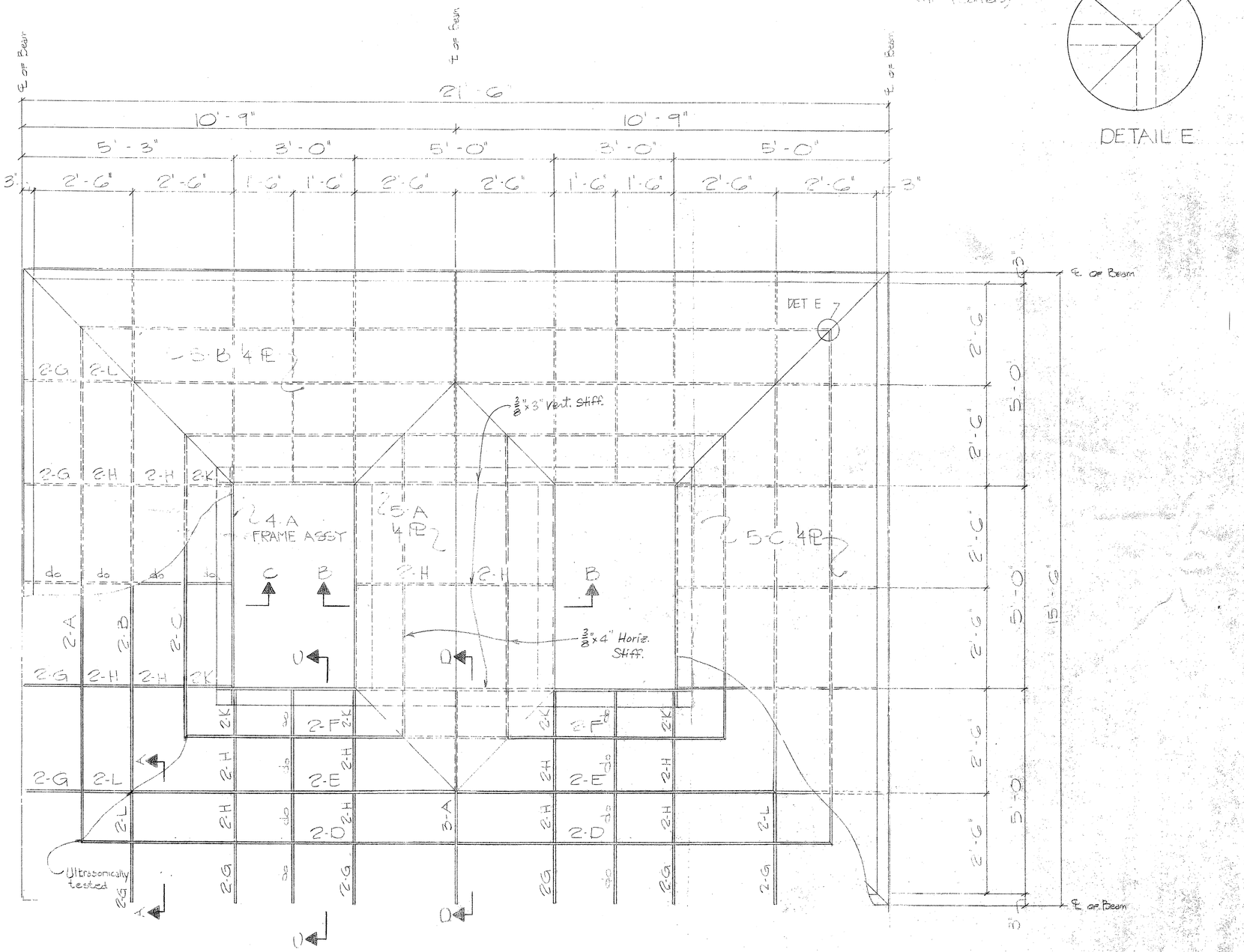
B & G Job No 88-25-0

REVISIONS			
NO.	DESCRIPTION	DATE	BY
	ISSUE FOR APPROVAL		
	ISSUE FOR CONSTRUCTION		
	ISSUE FOR FILE		

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MAY 17 1988 PICOR
PRODUCTION INDUSTRIES CORPORATION

DRAWN J. Deakins 5/17/88	TITLE 3'-0 x 5'-0 Discharge Gate
CHECKED L. Swanson 5/18/88	B & G Steel Incorporated
APPROVED [illegible] 5/18/88	FOR Riverport Authority
SCALE 3" = 1 FT. UNLESS NOTED	Louisville, Kentucky
ALL HOLES 11/16 DIA. UNLESS NOTED	DRAWING NUMBER
PAINT	P-364-M-1



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NOTES:
1) DO NOT PRIME OR PAINT

REVIEWED
ONLY FOR COMPLIANCE WITH DESIGN DRAWINGS AND SPECIFICATIONS. REVIEW DOES NOT EXTEND TO DETAILED DIMENSIONS, QUANTITIES, PROCESSES AND CONSTRUCTION TECHNIQUES.
REVISE & RESUBMIT
HAZELET & ERDAL
CONSULTING ENGINEERS
304 W. LIBERTY LOUISVILLE, KY.
CONT. NO. 1120
BY TJF
MAY 20 1988

HOLES AS NOTED UN
BOLTS A325
WELDING LH 70 3
PAINT NONE

B&G STEEL, INC.
Structural and Industrial Metal Fabrication
P.O. Box 429 - Cave City, KY 42127
(502) 773-4826

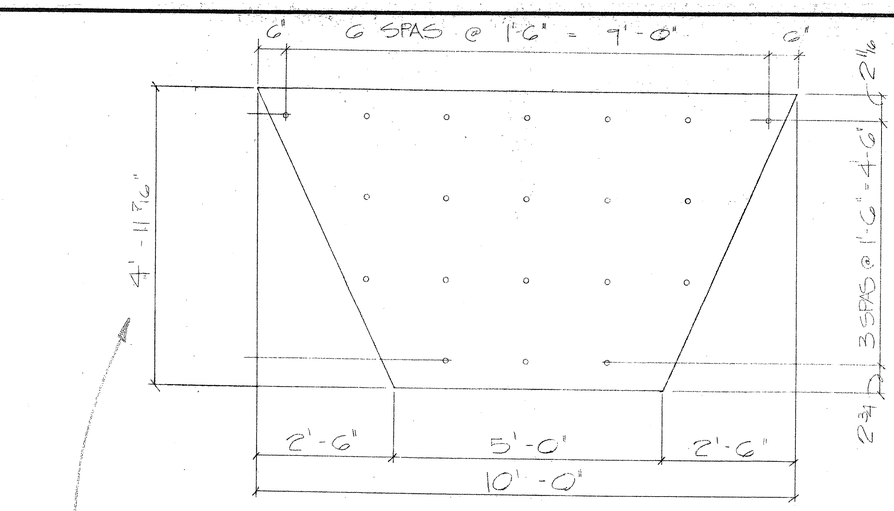
ISSUE FOR	NO	DATE
APPROVAL	4	5-6-88
APPROVAL	3	5-17-88

SURGE HOPPER
LOUISVILLE, KENTUCKY
RIVERPORT AUTHORITY

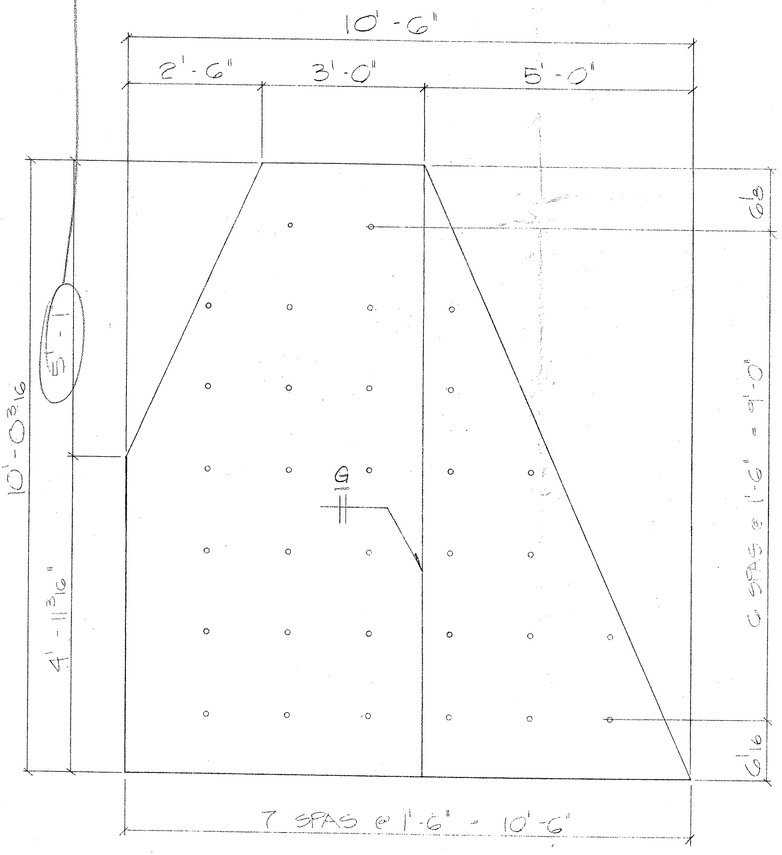
REVISIONS			
NO.1	5-16-88		

JOB NO.	DRAWN	CHECKED	APPROVED
88-250	5-4-88		

1



6-A · 2 REQ'D



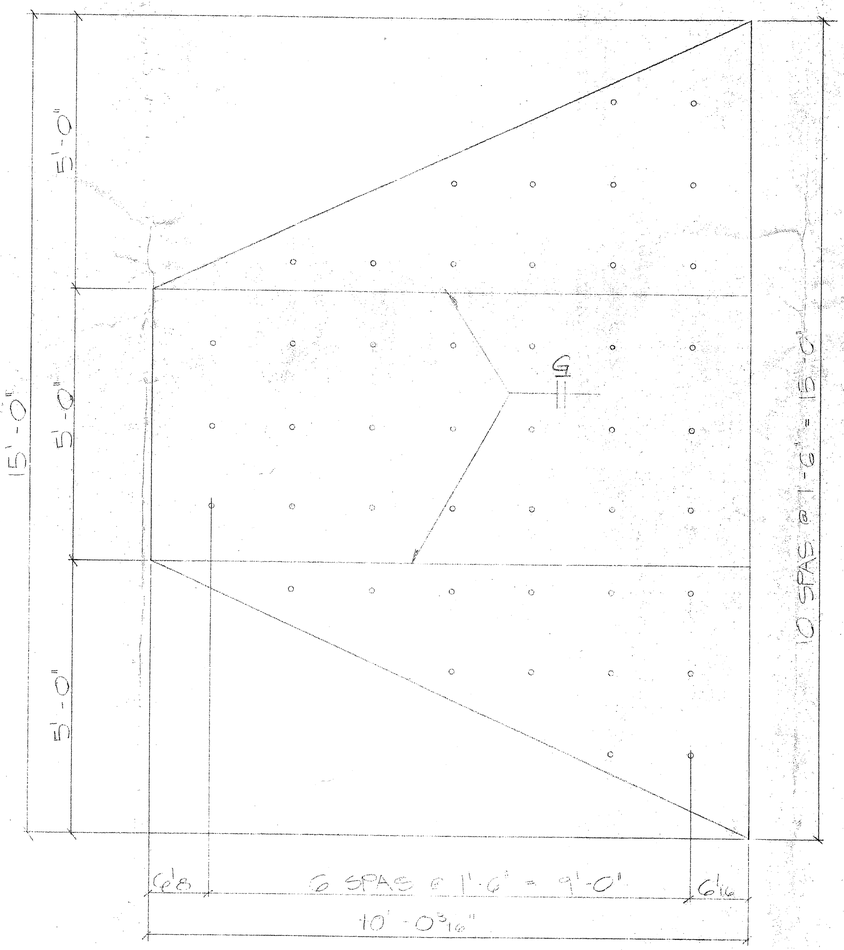
6-B-4 REQ'D

NOTE:

STEEL LINER

1) MATERIAL: USS "T-1" TYPE A ABRASION-RESISTANT STEEL PLATE, 4" IN THICKNESS

2) HOLES FOR PLUG WELDING ARE 5/8"



6-C - 2 REQ'D

LINE	TOTAL NO. REQ'D	NO. REQ'D	DESCRIPTION	LENGTH FT.	LENGTH IN.	MARK	REMARKS	ORDERED ITEM	WEIGHT
1									
2									
3		2	PL ASST			6A			
4									
5	B	2	T-1 1/4 PL x 5'-0"	10	0				
6									
7									
8		4	PL ASST			6B			
9									
10		4	T-1 1/4 PL x 6'-0"	10	0				
11		2	T-1 1/4 PL x 5'-0"	10	0				
12									
13									
14		2	PL ASST			6-B			
15									
16		4	T-1 1/4 PL x 5'-0"	10	0				
17									
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REVISE & RESUBMIT

HAZELET & ERDAL
CONSULTING ENGINEERS
304 W. LIBERTY LOUISVILLE, KY.

CONT. NO. 1120

BY TJF

MAY 20 1988

HOLES 5/8 ϕ UN
BOLTS N/A
WELDING E-7018-8
PAINT NONE

ISSUE FOR	NO	DATE
APPROVAL	4	5-6-88
APPROVAL	3	5-11-88

REVISIONS
NO 1 5-16-88

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RIVERPORT AUTHORITY

JOB NO.	DRAWN	CHECKED	APPROVED	
88-250	MP 5-4-88			6