

CITY OF VINELAND

VINELAND, NEW JERSEY

SPECIFICATIONS

FOR

AMMONIA INJECTION GRID ENGINEERING AND TESTING

COV RFP # 2026-12

BID OPENING: FRIDAY APRIL 17, 2026

PREVAILING TIME: 1:00 P.M.

**PURCHASING DIVISION
640 E WOOD STREET
P.O. BOX 1508
VINELAND, NJ 08362-1508**

**Miguel A. Mercado, QPA
Purchasing Agent
(856) 794-4040 Phone
(856) 405-4605 Facsimile
mmercado@vinelandcity.org**

GENERAL REQUIREMENTS/INSTRUCTIONS

Proposal Submission Information

Submission Date and Time:

Friday, April 17, 2026, by 1:00 P.M.

Submission Office:

City of Vineland Purchasing Department
5th Floor
City Hall
640 E. Wood Street
Vineland, NJ 08360

Respondents shall clearly mark their submittal package with the title of this RFP and the name of the responding firm, addressed to the Purchasing Agent. The original proposal shall be marked to distinguish it from the copies.

Respondents are required to submit their expressions of interest, qualifications and experience. **One (1) original and Three (3) copies** of the Proposal, INCLUSIVE OF ALL information must be provided to the City's Purchasing Agent. Proposals are scheduled to be opened **1:00 PM on Friday, April 17, 2026.** Any proposals received after said opening whether by mail or otherwise, will be returned unopened. The City assumes no responsibility for delays in any form of carrier, mail, or delivery service causing the proposal to be received after the above-referenced due date and time. Submission by fax, e-mail or telephone is NOT PERMITTED. Delivery of a proposal to any other City of Vineland Department or office is not acceptable and may result in your bid arriving late in the Purchasing Department. It is the bidder's responsibility to make sure the proposal is delivered to the proper office as listed above.

Only those RFP responses received prior to or on the submission date & time will be considered.

Responses delivered before the submission date and time specified above may be withdrawn upon written application of the respondent who shall be required to produce evidence showing that the individual is or represents the principal or principals involved in the proposal. After the submission date and time specified above, responses must remain firm for a period of sixty (60) days.

City Representative for this Solicitation

Please direct all questions in writing to:

Miguel A. Mercado, QPA
Purchasing Agent
Voice: (856) 794-4040
Fax: (856) 794-4327
Email: PurchasingOffice@vinelandcity.org

NOTE: Questions must be submitted in writing no later than noon on Thursday, April 2, 2026. Questions received after this day and time will not be accepted.

Interpretations and Addenda

Respondents are expected to examine the RFP with care and observe all its requirements. All questions about the meaning or intent of this RFP, all interpretations and clarifications considered necessary by the owner's representative in response to such comments and questions will be issued by Addenda mailed or delivered to all parties recorded as having received the RFP package. Only comments and questions responded to by formal written Addenda will be binding. Oral interpretations, statements or clarifications are without legal effect.

Cost Liability and Additional Costs

The owner assumes no responsibility and liability for costs incurred by the respondents prior to the issuance of an agreement. The liability of the owner shall be limited to the terms and conditions of the contract.

Respondents will assume responsibility for all costs not stated in their proposals. All unit rates either stated in the proposal or used as a basis for its pricing are required to be all-inclusive. Additional charges, unless incurred for additional work performed by request of the owner, are not to be billed and will not be paid.

Statutory and Other Requirements

Compliance with Laws

Any contract entered into between the contractor and the owner must be in accordance with and subject to compliance by both parties with the New Jersey Local Public Contracts Law. The contractor must agree to comply with the non-discrimination provisions and all other laws and regulations applicable to the performance of services there under. The respondent shall sign and acknowledge such forms and certificates as may be required by this section.

Mandatory Affirmative Action Compliance

No firm may be issued a contract unless it complies with the Affirmative Action requirements of N.J.S.A. 10:5-31 et seq. and N.J.A.C. 17:27 as identified in the documents attached hereto. The form enclosed herein shall be properly executed.

Americans with Disabilities Act of 1990

Discrimination on the basis of disability in contracting for the delivery of services is prohibited. Respondents are required to read American with Disabilities language that is part of the documents attached hereto and agree that the provisions of Title II of the Act are made part of the contract. The contractor is obligated to comply with the Act and hold the owner harmless.

Stockholder Disclosure

No corporation or partnership shall be awarded any contract for the performance of any work or the furnishing of any goods, unless, with receipt of the proposal of said corporation or partnership, there is submitted a statement setting forth the names and addresses of all stockholders in the corporation or partnership who own ten (10) percent or greater interest therein. Respondents shall complete and submit the form of statement included herein.

N.J. Business Registration Certificate

Pursuant to C57, PL2004, all New Jersey and out of state business organizations must obtain a Business Registration Certificate from the New Jersey Department of the Treasury, Division of Revenue, prior to conducting business in the State of New Jersey. Respondents shall be required to submit proof of their valid Business Registration prior to contract award. Questions regarding Business Registration may be directed to the Division of Revenue at (609) 292-1730. Online filing is available at www.state.nj.us/treasury/revenue/taxreg.htm.

Insurance and Indemnification

If it becomes necessary for the contractor, either as principal or by agent or employee, to enter upon the premises or property of the owner in order to construct, erect, inspect, make delivery or remove property hereunder, the contractor hereby covenants and agrees to take use, provide and make all proper, necessary and sufficient precautions, safeguards, and protection against the occurrence of happenings of any accident, injuries, damages, or hurt to person or property during the course of the work herein covered and his/her sole responsibility.

The contractor further covenants and agrees to indemnify and save harmless the owner from the payment of all sums of money or any other consideration(s) by reason of any, or all, such accidents, injuries, damages, or hurt that may happen or occur upon or about such work and all fines, penalties and loss incurred for or by reason of the violation of any owner regulation, ordinance or the laws of the State, or the United States while said work is in progress.

The contractor shall purchase and maintain during the entire period of this contract, professional liability insurance which shall protect the contractor and the City from any and all claims that may arise out of or result from the contractor's performance of this contract. A Certificate of Insurance in the amount of one million (\$1,000,000.00) dollars per occurrence/three million (\$3,000,000.00) annual aggregate shall be provided to the City prior to contract award.

Multiple Proposals Not Accepted

More than one proposal from an individual, a firm or partnership, a corporation or association under the same or different names, shall not be considered.

Failure to Enter Contract

Should the respondent, to whom the contract is awarded, fail to enter into a contract within ten (10) days, Sundays and holidays excepted, the owner may then, at its option, accept the proposal of another respondent.

Termination of Contract

If, through any cause, the contractor shall fail to fulfill in a timely and proper manner obligations under the contract or if the contractor violates any requirements of the contract, the owner shall thereupon have the right to terminate the contract by giving written notice to the contractor of such termination at least thirty (30) days prior to the proposed effective date of the termination. Such termination shall relieve the owner of any obligation for the balances to the contractor of any sum or sums set forth in the contract.

The contractor agrees to indemnify and hold the owner harmless from any liability to subcontractors/suppliers concerning payment for work performed or goods supplied arising out of the lawful termination of the contract by the owner under this provision. In case of default by the contractor, the owner may procure the articles or services from other sources and hold the contractor responsible for any excess cost occasioned thereby.

Challenge of Specifications

Any respondent who wishes to challenge a specification shall file such challenge in writing with the Director of Purchasing no less than three (3) business days prior to the opening of the RFP's. Challenges filed after that time shall be considered void and having no impact on the owner or the award of contract.

Payment

Invoices shall specify, in detail, the period for which payment is claimed, the services performed during the prescribed period, the amount claimed and correlation between the services claimed and the Proposal Document.

The City may withhold all or partial payments on account of subsequently discovered evidence including but not limited to the contractor not complying with the terms of the contract.

When the above grounds are removed, payment shall be made for amounts withheld because of them.

Contractors shall be required to sign a City voucher for payment.

Ownership of Material

The owner shall retain all of its rights and interest in any and all documents and property both hard copy and digital furnished by the owner to the contractor for the purpose of assisting the contractor in the performance of this contract. All such items shall be returned immediately to the owner at the expiration or termination of the contract or completion of any related services, pursuant thereto, whichever comes

first. None of the documents and/or property shall, without the written consent of the owner, be disclosed to others or used by the contractor or permitted by the contractor to be used by their parties at any time except in the performance of the resulting contract.

Ownership of all data, materials and documentation originated and prepared for the owner pursuant to this contract shall belong exclusively to the owner. All data, reports, computerized information, programs and materials related to this project shall be delivered to and become the property of the owner upon completion of the project. The contractor shall not have the right to use, sell, or disclose the total of the interim or final work products, or make available to third parties, without the prior written consent of the owner. All information supplied to the owner may be required to be supplied on CD-ROM media compatible with the owner's computer operating system, MS Windows based, Lotus Suite.

Annual Disclosure Statement on Political Contributions

The contractor is hereby advised of the responsibility to file an annual disclosure statement on political contributions with the New Jersey Election Law Enforcement Commission pursuant to N.J.S.A. 19:44A-20.13 (P.L. 2005, c. 271, s.3) if the contractor receives contracts in excess of \$50,000.00 from public entities in a calendar year. It is the contractor's responsibility to determine if filing is necessary. Additional information on this requirement is available from ELEC at (888) 313-3532 or at www.elec.state.nj.us.

Proposal Forms

The following forms are contained in the attachments. All forms are required and shall be completed and made part of the proposal submitted.

- Stockholder Disclosure
- Affirmative Action Statement
- Acknowledgment of Receipt of Addenda, if any.
- Disclosure of Investment Activities in Iran
- Prohibited Activities in Russia or Belarus
- Non-Collusion Affidavit

Proposals to Remain Subject to Acceptance

RFP responses shall remain open for a period of sixty (60) calendar days from the stated submittal date. The owner will either award the Contract within the applicable time period or reject all proposals. The owner may extend the decision to award or reject all proposals beyond the sixty (60) calendar days when the proposals of any respondents who consent thereto may, at the request of the owner, be held for consideration for such longer period as may be agreed.

Rejection of Proposals

The owner reserves the right to reject any or all proposals, or to reject any proposals if the evidence submitted by, or investigation of such respondent fails to satisfy the owner that such respondent is

properly qualified to carry out the obligations of the RFP and to complete the work contemplated therein. The owner reserves the right to waive any minor informality in the RFP.

Contract Records

As per N.J.A.C. 17:44-2.2 Vendor shall maintain all documentation related to products, transactions or services under this contract for a period of five years from the date of final payment. Such records shall be made available to the New Jersey Office of the State Comptroller upon request.

Ammonia Injection Grid Engineering and Testing

Vineland Municipal Electric Utility

VMEU Project Code: 26-005

Revision 1

March 11, 2026

Prepared by: *Jeff Davis*

Date: 03/11/2026

Project Lead: *Jeff Davis*

Date: 03/11/2026

TABLE OF CONTENTS

PART 1 - GENERAL 3

 1.1. Introduction 3

 1.2. Terms & Conditions..... 3

PART 2 - SPECIFICATION..... 3

 2.1. Scope of Work..... 3

 2.2. AIG Engineering Services..... 3

 2.3. AIG Fabrication Technical Support..... 4

 2.4. AIG Demolition and Installation Technical Support..... 5

 2.5. SCR Traverse Testing and AIG Tuning 5

PART 3 - EXECUTION 6

 3.1. Correspondence..... 6

 3.2. Proposal Requirements..... 6

 3.3. Evaluation of Proposals..... 6

 3.4. Invoicing Milestones 7

PART 4 - ATTACHMENTS 7

 4.1. List of Attachments 7

PART 1 - GENERAL

1.1. Introduction

- A. The Vineland Municipal Electric Utility invites proposals for engineering, fabrication technical support, demolition and installation technical support, and testing of a replacement ammonia injection grid (AIG) for the selective catalytic reduction (SCR) unit at the H.M. Down Unit 11 combustion turbine.

1.2. Terms & Conditions

- A. City of Vineland's - General Instructions
 - i. It shall be each prospective Bidder's responsibility to read and understand the requirements as outlined and set forth in the document entitled "City of Vineland General Instructions" that precedes this specification. The general conditions outlined in this specification are not intended to duplicate or amend those instructions.
 - ii. See General Instructions Section III.C related to any request for interpretation or clarification of the meanings contained within this specification. Any questions or requests for interpretation or clarification of meanings SHALL go through the City of Vineland's Purchasing Department.
- B. Definition of Terms
 - i. Words, phrases, or other expressions used in these contract documents shall be defined as follows.
 - a. "Owner", "City" or "VMEU" shall mean the City of Vineland, New Jersey, acting through its City Council and their duly authorized agents.
 - b. "Contractor" shall mean the corporation, company, partnership, firm, or individual who has entered into a Contract for the performance of the work described herein, and its, his, or their duly authorized representatives.
 - c. "Bidder" shall mean the corporation, company, partnership, firm, or individual who is submitting a proposal for the work described herein, and its, his, or their duly authorized representatives.
 - d. "Site" shall mean VMEU's H.M. Down Generating Station, located at 211 North West Avenue, Vineland, New Jersey.

PART 2 - SPECIFICATION

2.1. Scope of Work

- A. The work shall include the following items, which are described in detail below:
 - i. AIG engineering services
 - ii. AIG fabrication technical support
 - iii. AIG demolition and installation technical support
 - iv. SCR traverse testing and AIG tuning

2.2. AIG Engineering Services

- A. Fabrication Drawings. Contractor shall create fabrication drawings according to and consistent with the replacement AIG design schematics included as Attachment 1. Drawings shall clearly identify all subassemblies and components intended for shop fabrication.
- B. Demolition Drawings. Contractor shall create demolition drawings clearly indicating which portions of the existing AIG are to be removed. The demolition drawings may include markups of the OEM SCR duct drawings included as Attachment 2.
- C. Installation Drawings. Contractor shall create installation drawings clearly indicating how the shop-fabricated subassemblies and components are to be installed in the SCR duct, and integrated with existing equipment and with each other.
- D. Revisions. Proposal pricing shall include one revision of all drawings and two remote drawing review meetings with VMEU.

2.3. AIG Fabrication Technical Support

- A. AIG Fabrication Specification Technical Support. Contractor shall review the draft AIG Fabrication technical specification and supporting documentation, which will be provided by VMEU at a later date. Contractor shall recommend appropriate modifications to the technical specification based on Contractor's prior experience.
- B. AIG Fabrication Bid Technical Support. Contractor shall assist VMEU and/or the City's Purchasing Department in responding to any technical questions raised by bidders. Contractor shall review submitted bids and assist VMEU in bid selection.
- C. AIG Fabrication Submittal Review. Contractor shall assist VMEU in evaluating any post-award technical submittals required under the AIG Fabrication contract.
- D. AIG Fabrication Inspections. Contractor shall inspect all shop-fabricated AIG subassemblies and components at the fabrication facility (prior to shipment to the site) to ensure fabrication was performed in accordance with the fabrication drawings.
- E. Considerations.
 - i. Proposal pricing is requested for technical support only. AIG fabrication will be performed under a separate contract.
 - ii. Proposal pricing shall assume 2 non-consecutive days for inspections at the fabrication facility, and a 10-hour workday.
 - iii. Proposal pricing shall assume the fabrication facility is within 100 miles of Vineland, NJ.
 - iv. Proposal pricing shall include all travel-related expenses, including transportation, lodging and meals.
 - v. The proposal shall also include a daily rate for additional days at fabrication facility, if required.

2.4. AIG Demolition and Installation Technical Support

- A. AIG Demolition and Installation Specification Technical Support. Contractor shall review the draft AIG Demolition and Installation technical specification and supporting documentation, which will be provided by VMEU at a later date. Contractor shall recommend appropriate modifications to the technical specification based on Contractor's prior experience.
- B. AIG Demolition and Installation Bid Technical Support. Contractor shall assist VMEU and/or the City's Purchasing Department in responding to any technical questions raised by bidders. Contractor shall review submitted bids and assist VMEU in bid selection.
- C. AIG Demolition and Installation Submittal Review. Contractor shall assist VMEU in evaluating any post-award technical submittals required under the AIG Demolition and Installation contract.
- D. AIG Demolition Oversight. Contractor shall be present on site to oversee demolition of the existing AIG. Contractor shall verify that the demolition is performed in accordance with the Demolition Drawings.
- E. AIG Installation Oversight. Contractor shall be present on site to oversee installation of the replacement AIG. Contractor shall verify that the installation is performed in accordance with the Installation Drawings.
- F. Considerations.
 - i. Proposal pricing is requested for technical support only. AIG demolition and installation will be performed under a separate contract.
 - ii. Proposal pricing shall include all travel-related expenses, including transportation, lodging and meals.
 - iii. Proposal pricing shall assume that demolition and installation oversight will require a total of 14 consecutive days on site, and a 10-hour workday.
 - iv. The proposal shall also include a daily rate for additional days on site, if required.

2.5. SCR Traverse Testing and AIG Tuning

- A. SCR Traverse Testing and AIG Tuning Test Plan. Contractor shall develop a test plan to achieve the following objectives:
 - i. Determine the NO_x and NH₃ distribution at the SCR catalyst outlet
 - ii. Recommend adjustments to the AIG valves as needed to optimize the NO_x and/or NH₃ distribution.
- B. SCR Traverse Testing. Contractor shall perform SCR Traverse Testing in accordance with the SCR Traverse Testing and AIG Tuning Test Plan.
- C. AIG Tuning. Contractor shall make recommendations for AIG valve adjustments in accordance with the SCR Traverse Testing and AIG Tuning Test Plan. VMEU will make the recommended adjustments to the valves.
- D. Considerations.
 - i. The SCR Traverse Testing and AIG Tuning Test Plan is part of the scope of work, and is not to be submitted with this proposal.

- ii. Proposal pricing shall include all testing equipment, tools and labor, including mobilization and demobilization costs.
- iii. Proposal pricing shall include all travel-related expenses, including transportation, lodging and meals.
- iv. Proposal pricing shall assume that SCR traverse testing and AIG tuning will require a total of 4 consecutive days on site, and a 10-hour workday.
- v. The proposal shall also include a daily rate for additional days on site, if required.

PART 3 - EXECUTION

3.1. Correspondence

- A. Once a contract for the work has been awarded, all Correspondence shall be sent via e-mail (and/or mail as appropriate) to:

Vineland Municipal Electric Utility
 Attention: Jeff Davis, Supervising Engineer
 57 West Park Avenue – Suite A
 P.O. Box 1508
 Vineland, NJ 08362-1508
 Phone: (856) 794-4000 Ext 4541
 Email: jdavis@vinelandcity.org

3.2. Proposal Requirements

- A. On the attached Proposal Form (Attachment 4), the Bidder shall provide the following:
 - i. A price breakdown for the work described above.
 - ii. A timeline for completion of the AIG Engineering Services portion of the work (see Section 2.2 above).
- B. The Bidder shall provide an hourly rate schedule for any additional engineering or technical services which may be required outside the scope of work defined above.
- C. The Bidder shall provide a list of customers for whom AIG engineering and AIG installation oversight has been performed. Bidder shall supply the company name, contact name, telephone number, and a brief description of the project.

3.3. Evaluation of Proposals

- A. VMEU will evaluate proposals received based on Contractor experience, proposed pricing, proposed schedule and any other factors VMEU determines to be relevant. Evaluation criteria will be given the following weighting factors:

CRITERIA	Weighting Factor
Contractor Experience	40 %
Proposed Schedule	30 %
Proposed Pricing	30 %

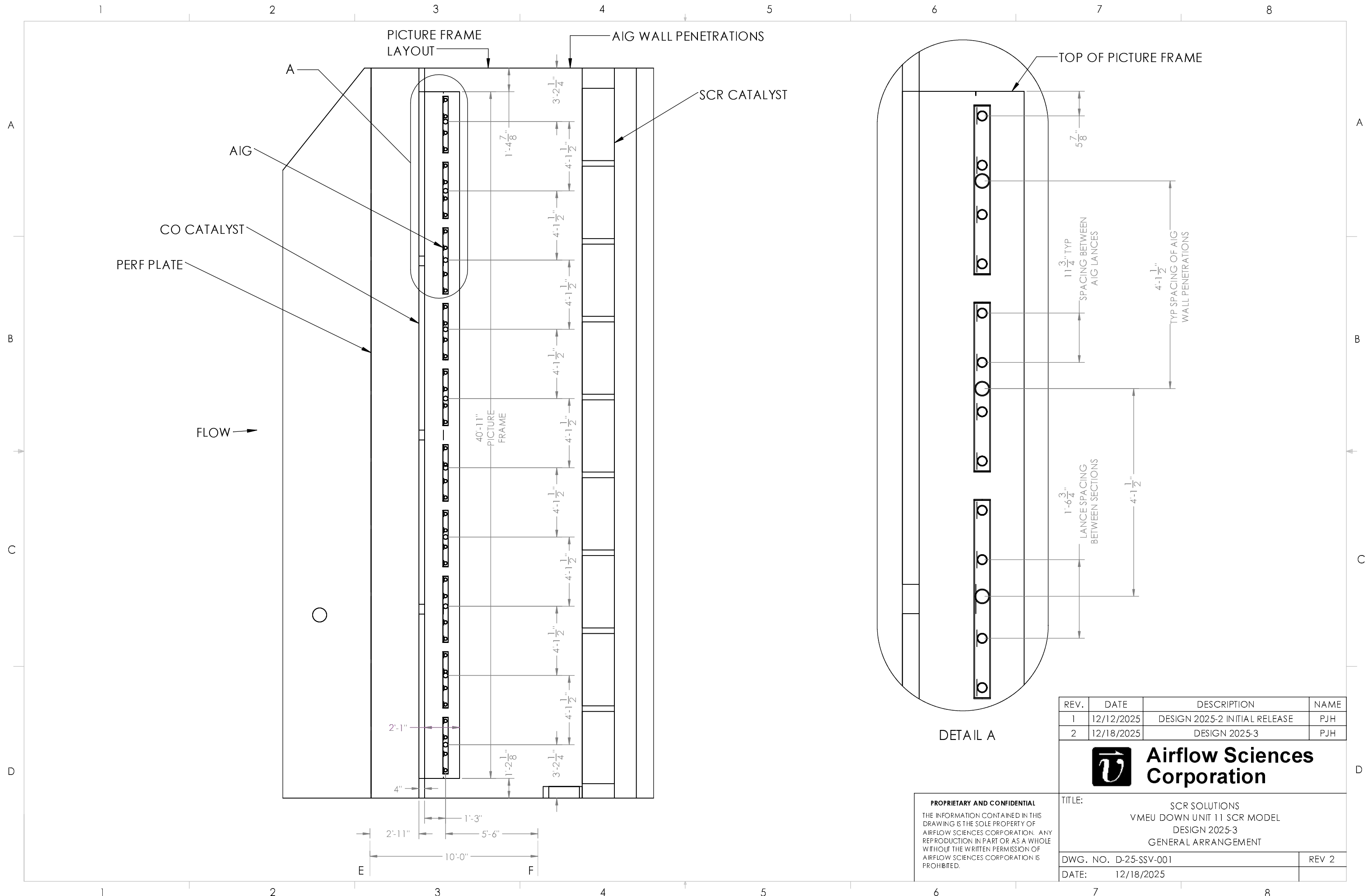
3.4. Invoicing Milestones

- A. Contractor shall submit invoices upon completion of the following work milestones, or at other times as mutually agreed to in advance by VMEU and Contractor:
 - i. Submission and VMEU approval of all engineering drawings.
 - ii. Inspection of all shop-fabricated AIG subassemblies and components.
 - iii. Conclusion of AIG demolition and installation oversight.
 - iv. Completion of SCR traverse testing and AIG tuning.

PART 4 - ATTACHMENTS

4.1. List of Attachments

Sequence	Document Name
1	AIG Design Schematics
2	OEM (Peerless) SCR Drawings
3	H.M. Down Unit 11 Mechanical Site Plan
4	Proposal Form



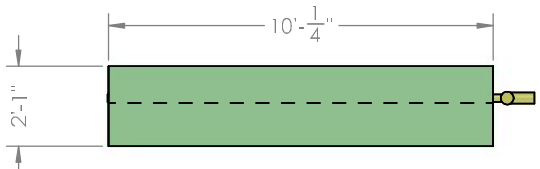
DETAIL A

PROPRIETARY AND CONFIDENTIAL
 THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF AIRFLOW SCIENCES CORPORATION. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF AIRFLOW SCIENCES CORPORATION IS PROHIBITED.

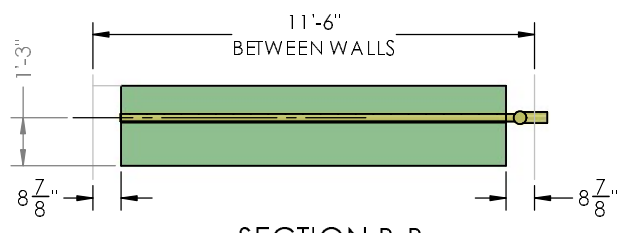
REV.	DATE	DESCRIPTION	NAME
1	12/12/2025	DESIGN 2025-2 INITIAL RELEASE	PJH
2	12/18/2025	DESIGN 2025-3	PJH



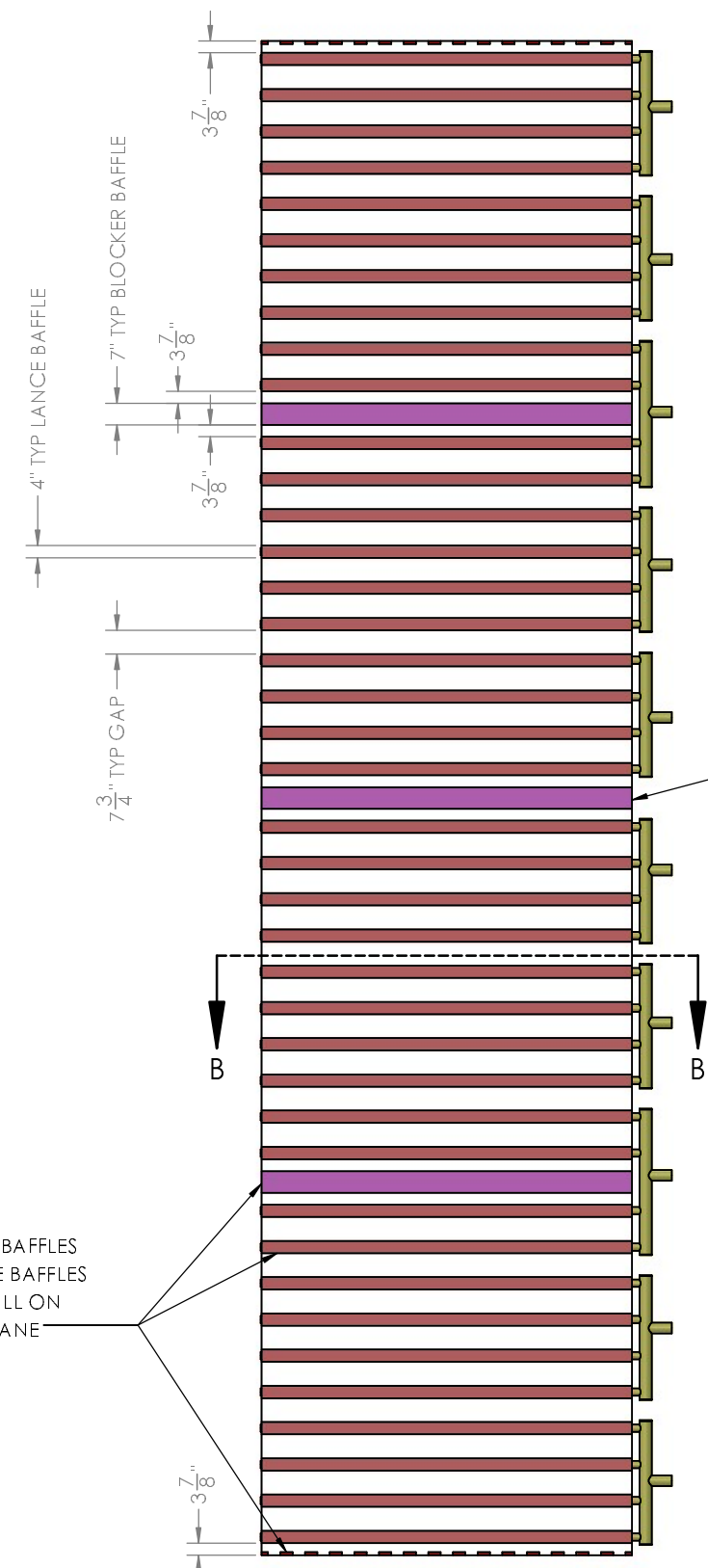
TITLE: SCR SOLUTIONS VMEU DOWN UNIT 11 SCR MODEL DESIGN 2025-3 GENERAL ARRANGEMENT	
DWG. NO. D-25-SSV-001	REV 2
DATE: 12/18/2025	



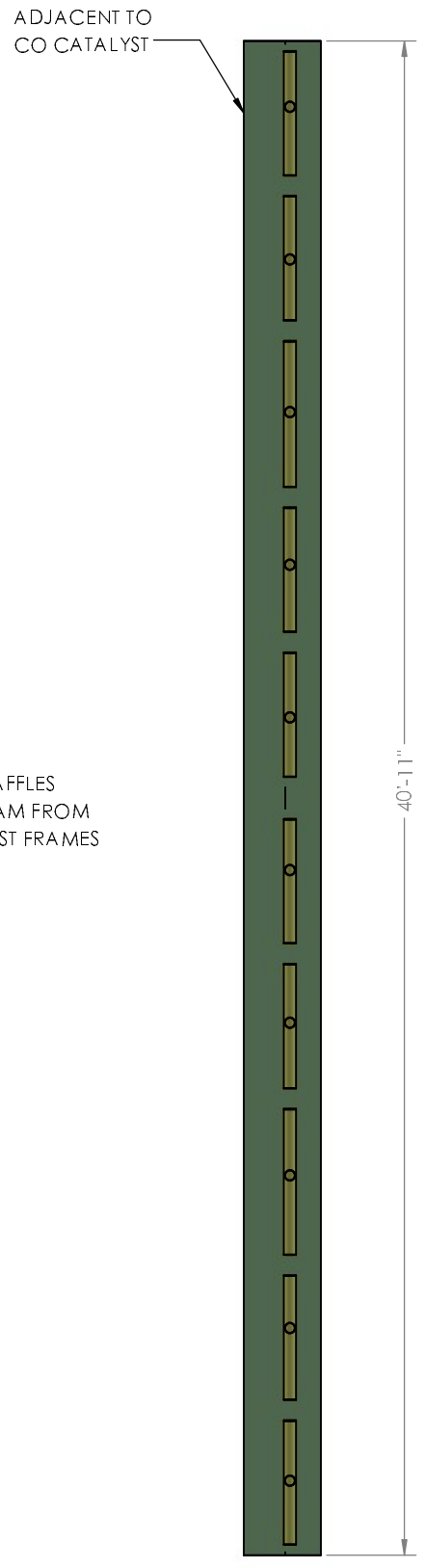
PLAN VIEW



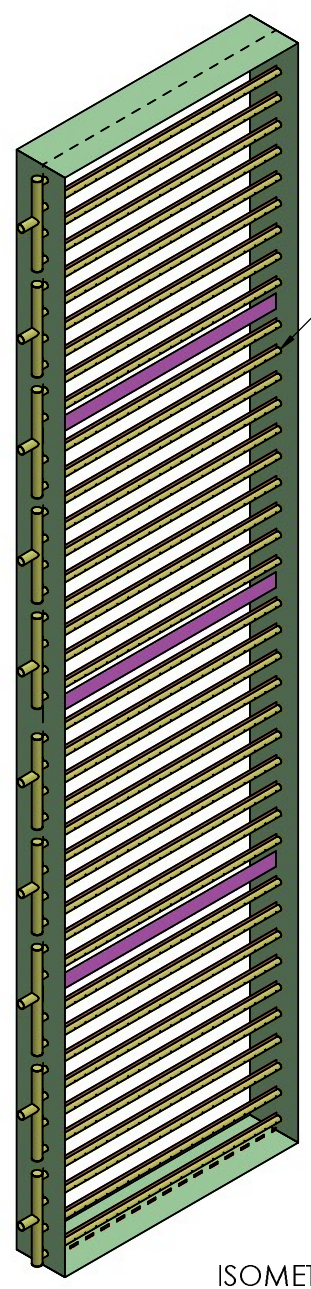
SECTION B-B



END ELEVATION
LOOKING DOWNSTREAM



RIGHT SIDE
ELEVATION



ISOMETRIC VIEW
LOOKING UPSTREAM

BLOCER BAFFLES
& LANCE BAFFLES
& TABS ALL ON
SAME PLANE

BLOCKER BAFFLES
DOWNSTREAM FROM
CO CATALYST FRAMES

TRIM PICTURE
FRAME BAFFLE
FOR LANCE
PENETRATIONS
(BOTH SIDES)

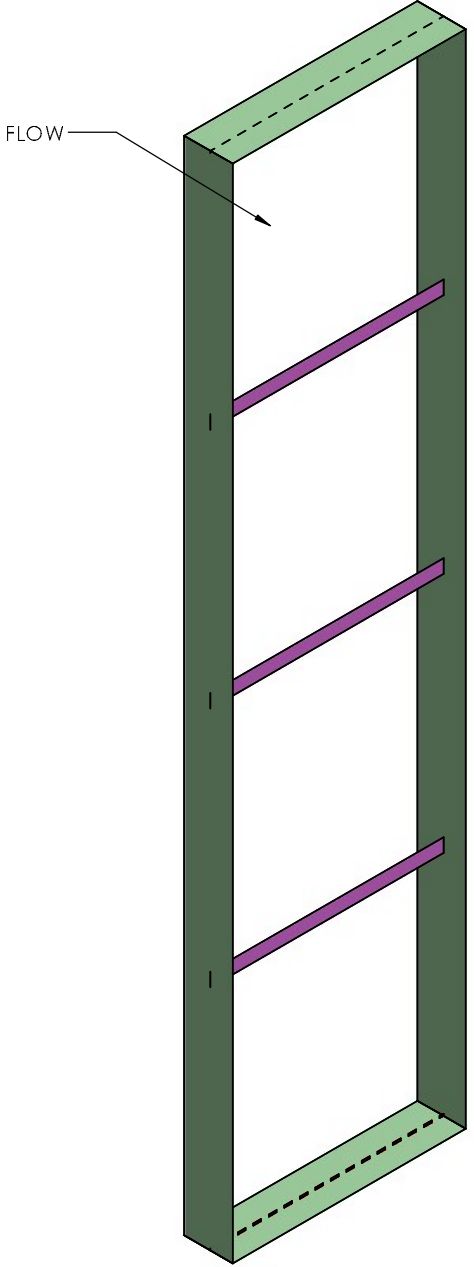
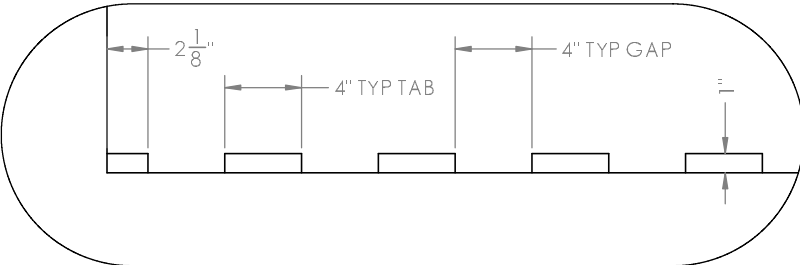
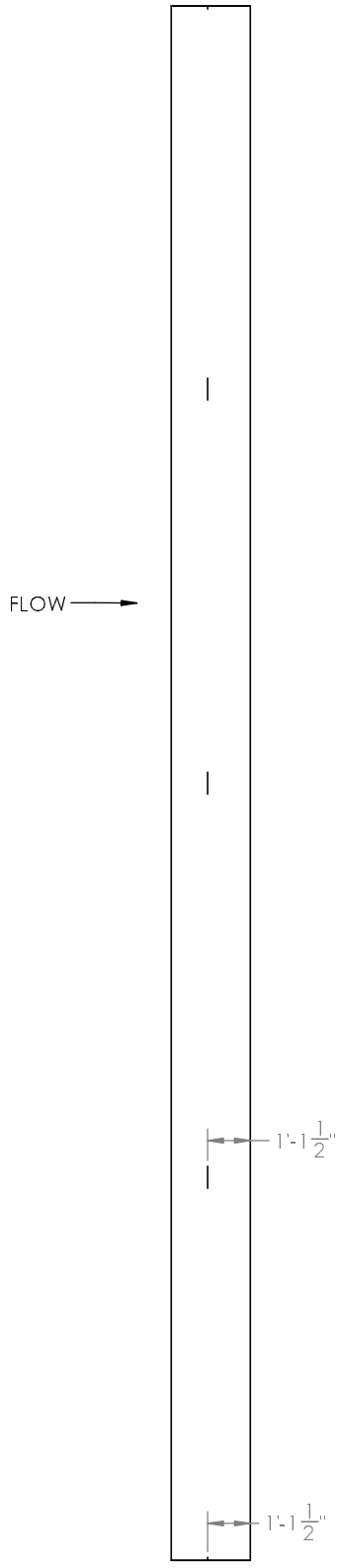
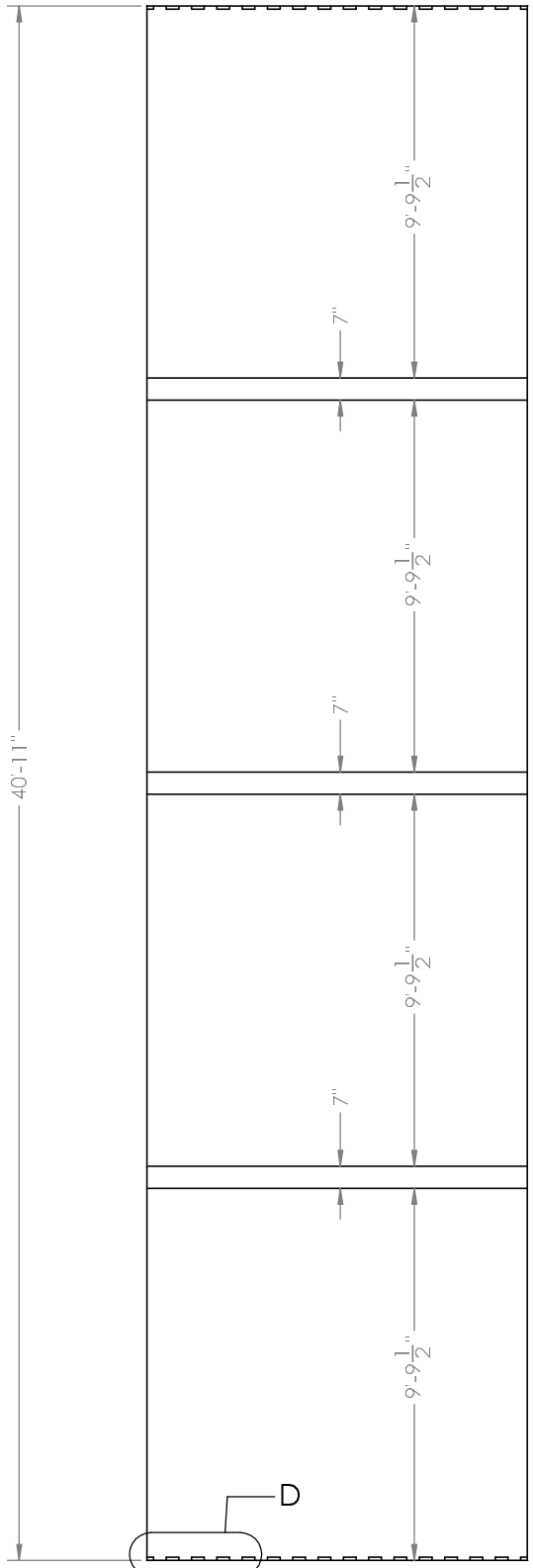
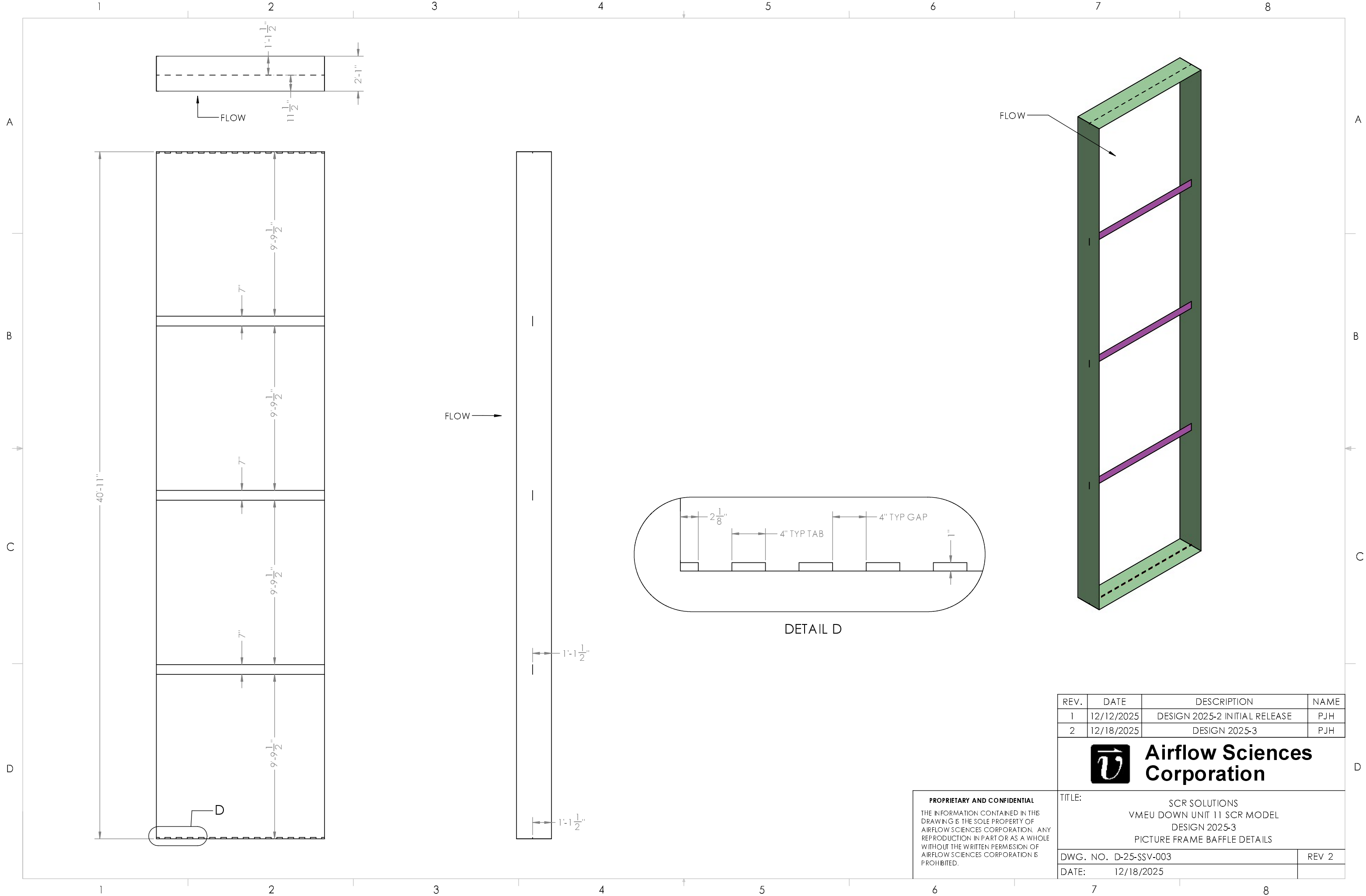
PROPRIETARY AND CONFIDENTIAL
THE INFORMATION CONTAINED IN THIS
DRAWING IS THE SOLE PROPERTY OF
AIRFLOW SCIENCES CORPORATION. ANY
REPRODUCTION IN PART OR AS A WHOLE
WITHOUT THE WRITTEN PERMISSION OF
AIRFLOW SCIENCES CORPORATION IS
PROHIBITED.

REV.	DATE	DESCRIPTION	NAME
1	12/12/2025	DESIGN 2025-2 INITIAL RELEASE	PJH
2	12/18/2025	DESIGN 2025-3	PJH



TITLE: SCR SOLUTIONS
VMEU DOWN UNIT 11 SCR MODEL
DESIGN 2025-3
AIG & PICTURE FRAME BAFFLE OVERVIEW

DWG. NO. D-25-SSV-002	REV 2
DATE: 12/18/2025	



REV.	DATE	DESCRIPTION	NAME
1	12/12/2025	DESIGN 2025-2 INITIAL RELEASE	PJH
2	12/18/2025	DESIGN 2025-3	PJH



PROPRIETARY AND CONFIDENTIAL
 THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF AIRFLOW SCIENCES CORPORATION. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF AIRFLOW SCIENCES CORPORATION IS PROHIBITED.

TITLE:	SCR SOLUTIONS VMEU DOWN UNIT 11 SCR MODEL DESIGN 2025-3 PICTURE FRAME BAFFLE DETAILS
DWG. NO.	D-25-SSV-003
DATE:	12/18/2025
	REV 2

1 2 3 4 5 6 7 8

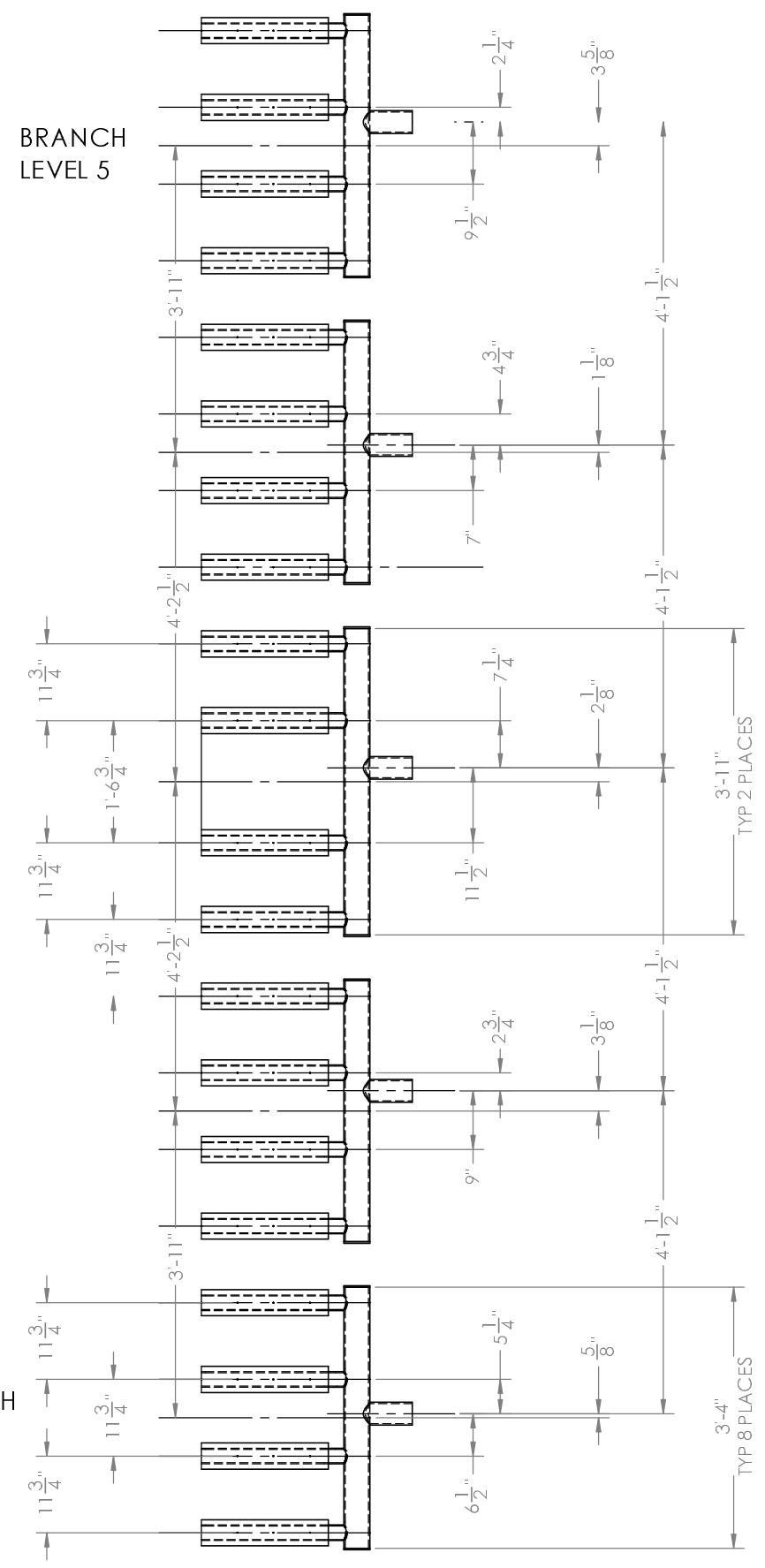
A

B

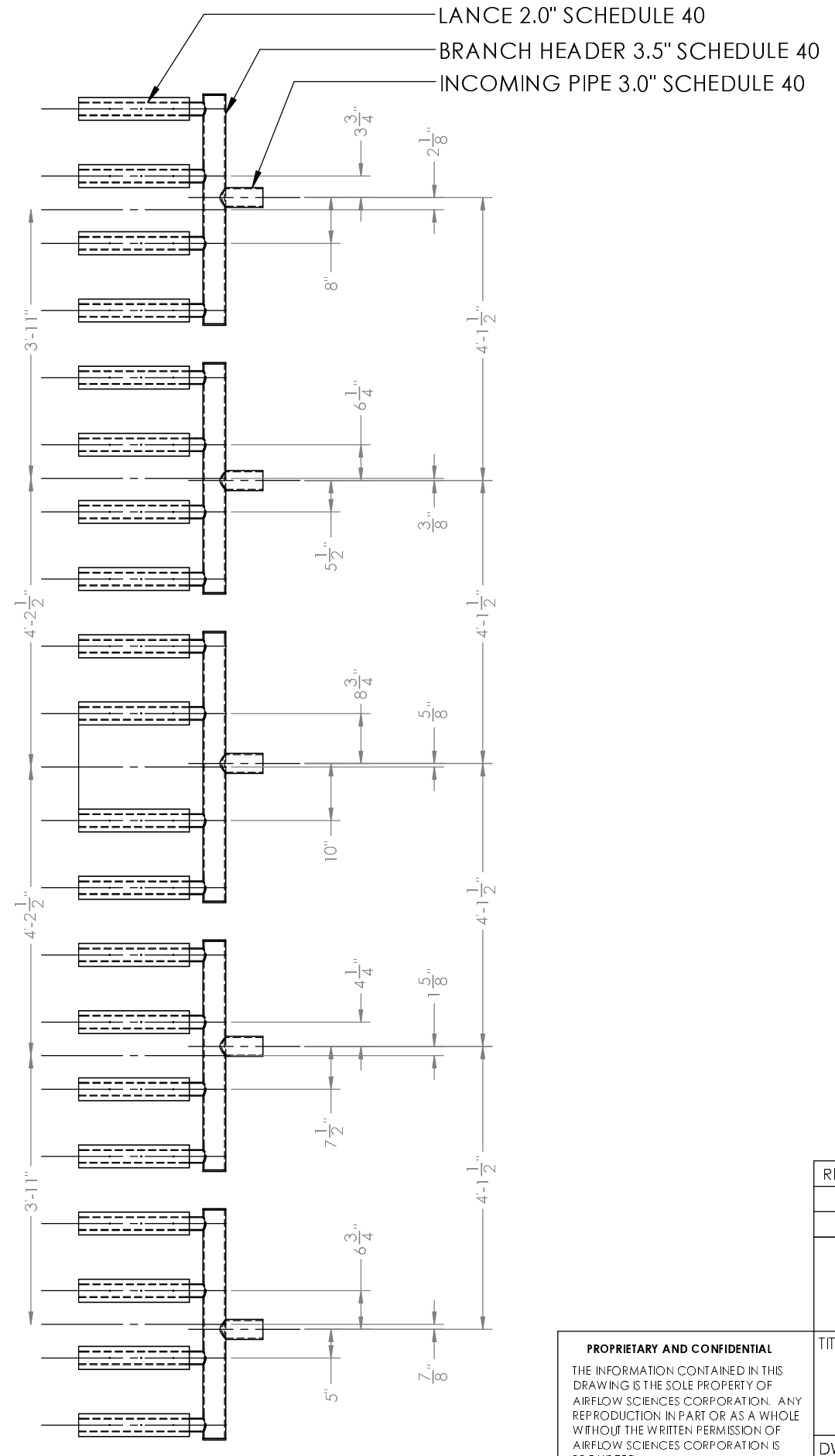
C

D

BRANCH LEVEL 5



BRANCH LEVEL 10



A

B


C

D

1 2 3 4 5 6 7 8

PROPRIETARY AND CONFIDENTIAL
 THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF AIRFLOW SCIENCES CORPORATION. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF AIRFLOW SCIENCES CORPORATION IS PROHIBITED.

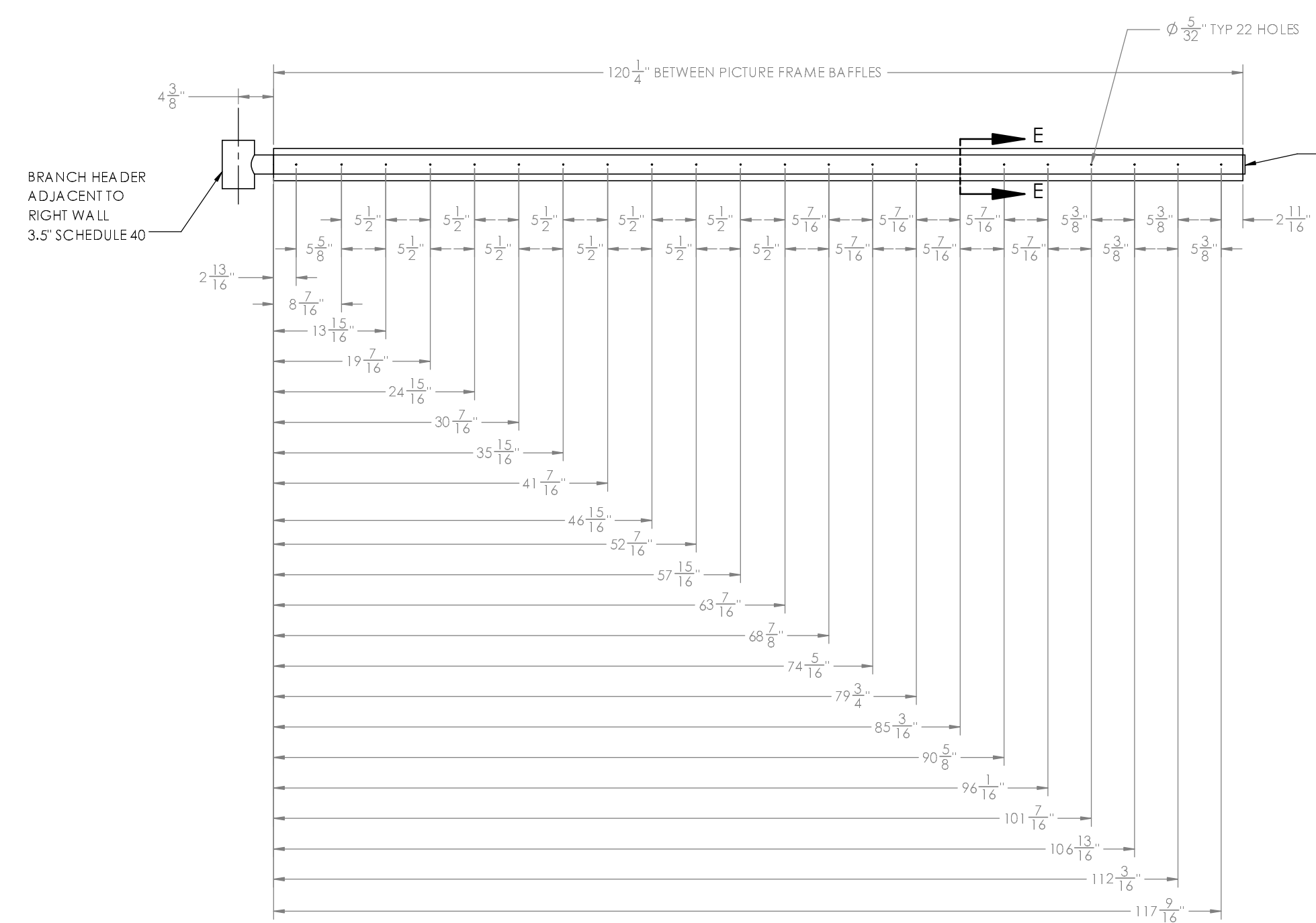
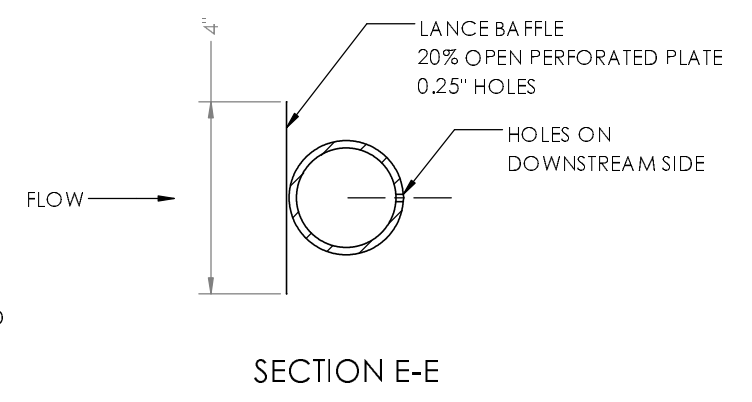
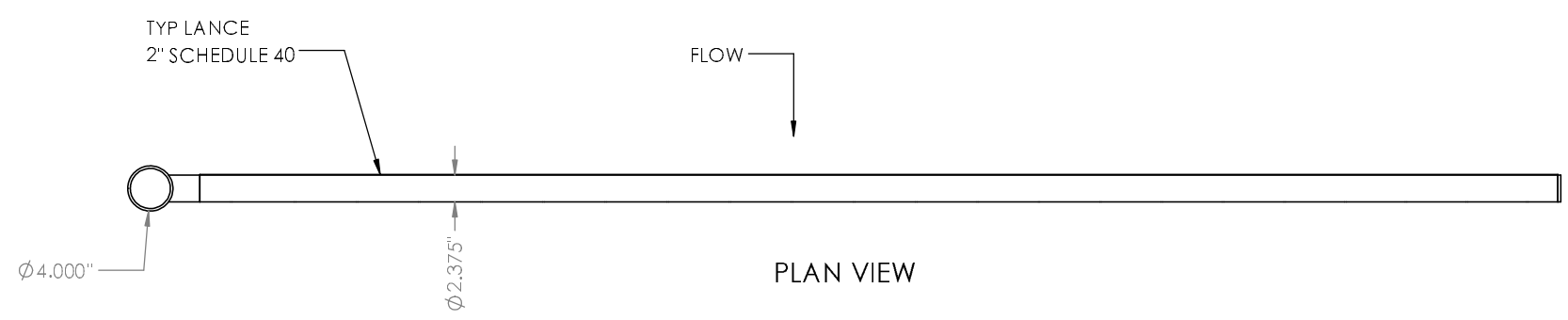
REV.	DATE	DESCRIPTION	NAME
1	12/12/2025	DESIGN 2025-2 INITIAL RELEASE	PJH
2	12/18/2025	DESIGN 2025-3	PJH



Airflow Sciences Corporation

TITLE: SCR SOLUTIONS
 VMEU DOWN UNIT 11 SCR MODEL
 DESIGN 2025-3
 AIG HEADER ARRANGEMENT

DWG. NO. D-25-SSV-004	REV 2
DATE: 12/18/2025	



EXTEND LANCE AS NEEDED TO ATTACH TO LEFT WALL

PROPRIETARY AND CONFIDENTIAL
 THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF AIRFLOW SCIENCES CORPORATION. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF AIRFLOW SCIENCES CORPORATION IS PROHIBITED.

REV.	DATE	DESCRIPTION	NAME
1	12/12/2025	DESIGN 2025-2 INITIAL RELEASE	PJH
2	12/18/2025	DESIGN 2025-3	PJH



TITLE: SCR SOLUTIONS
 VMEU DOWN UNIT 11 SCR MODEL
 DESIGN 2025-3
 AIG LANCE DETAILS

DWG. NO. D-25-SSV-005	REV 2
DATE: 12/18/2025	



Rolls-Royce Energy Systems, Inc.
105 N. Sandusky St., Mount Vernon, OH 43050

SCR Ductwork Erection Detail Drawings

Total number of sheets 17

Rolls-Royce Document Number: GED00194218

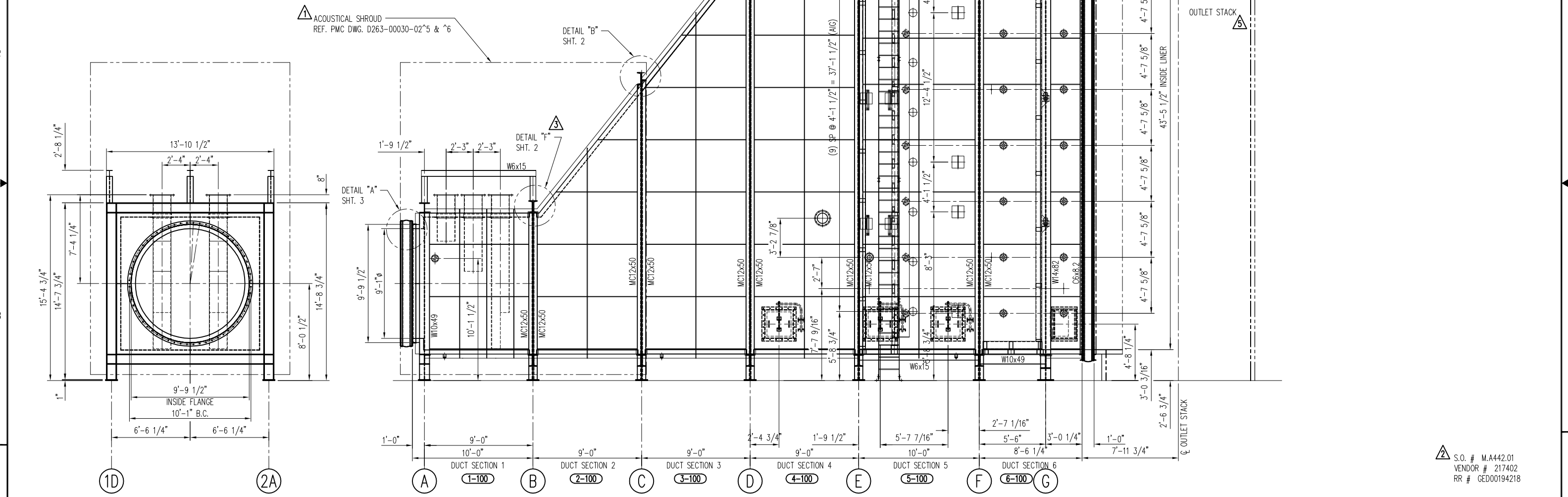
For

M.A442

Rev	Date	Issue	Prepared by	Checked by
0	1/7/2011	For Inform.	Greg Neywick	Grady Acuncius
1	7/12/2011	As-Built	Greg Neywick	Grady Acuncius
2	7/16/2012	As-Built	Greg Neywick	Grady Acuncius

REV.	ITEM NO.	QTY.	DESCRIPTION	MATERIAL	REF. SHT.
			FIELD BOLTS: (QTY'S INCLUDE 10% EXTRA)	APPROX. WEIGHT: 250 LBS.	
3	FB-1	736	1/2-13 HEX NUT	304 S.S.	2
	FB-2	22	5/8-11 X 2" HEX HEAD BOLT	A325 (GALV.)	3
	FB-2A	22	5/8-11 HEX NUT	A563 (GALV.)	3
	FB-2B	44	5/8" FLAT WASHER	F436 (GALV.)	3
	FB-3	3	5/8-11 X 1 3/4" HEX HEAD BOLT	A325 (GALV.)	3
	FB-3A	3	5/8-11 HEX NUT	A563 (GALV.)	3
	FB-3B	6	5/8" FLAT WASHER	F436 (GALV.)	3
	FB-4	32	5/8-11 X 1 3/4" HEX HEAD BOLT	A325 (GALV.)	3
	FB-4A	32	5/8-11 HEX NUT	A563 (GALV.)	3
	FB-4B	64	5/8" FLAT WASHER	F436 (GALV.)	3
	FB-5	212	1/2-13 X 2 1/2" HEX HEAD BOLT	A307	8A
	FB-5A	212	1/2-13 HEX NUT	A563	8A
	FB-5B	424	1/2" FLAT WASHER	F436	8A
5	FB-6	132	3/4-10 X 1 1/2" HEX HEAD BOLT	A307	2
5	FB-6A	132	3/4" FLAT WASHER	F436	2
5	FB-7	62	1/2-13 X 1 1/2" HEX HEAD BOLT	A307	2
5	FB-7A	62	1/2" FLAT WASHER	F436	2

REV.	ITEM NO.	QTY.	DESCRIPTION	WEIGHT
			SHIPPING ASSEMBLIES	
	1-100	1	DUCT SECTION 1	21,700 LBS.
	2-100	1	DUCT SECTION 2	20,800 LBS.
3	3-100	1	DUCT SECTION 3	31,300 LBS.
3	4-100	1	DUCT SECTION 4	37,800 LBS.
4	5-100	1	DUCT SECTION 5	66,085 LBS.
3	6-100	1	DUCT SECTION 6	49,000 LBS.
	7-101	1	GRATING	170 LBS.
	7-102	3	GRATING	67 LBS. EA.
	7-103	16	SADDLE CLIPS	-
	7-104	1	SAFETY GATE	45 LBS.
	7-200	1	HANDRAIL ASSEMBLY	250 LBS.
	7-300	1	HANDRAIL ASSEMBLY	210 LBS.
	7-400	1	HANDRAIL ASSEMBLY	160 LBS.
	8-100	1	LADDER ASSEMBLY	1,200 LBS.



ELEVATION

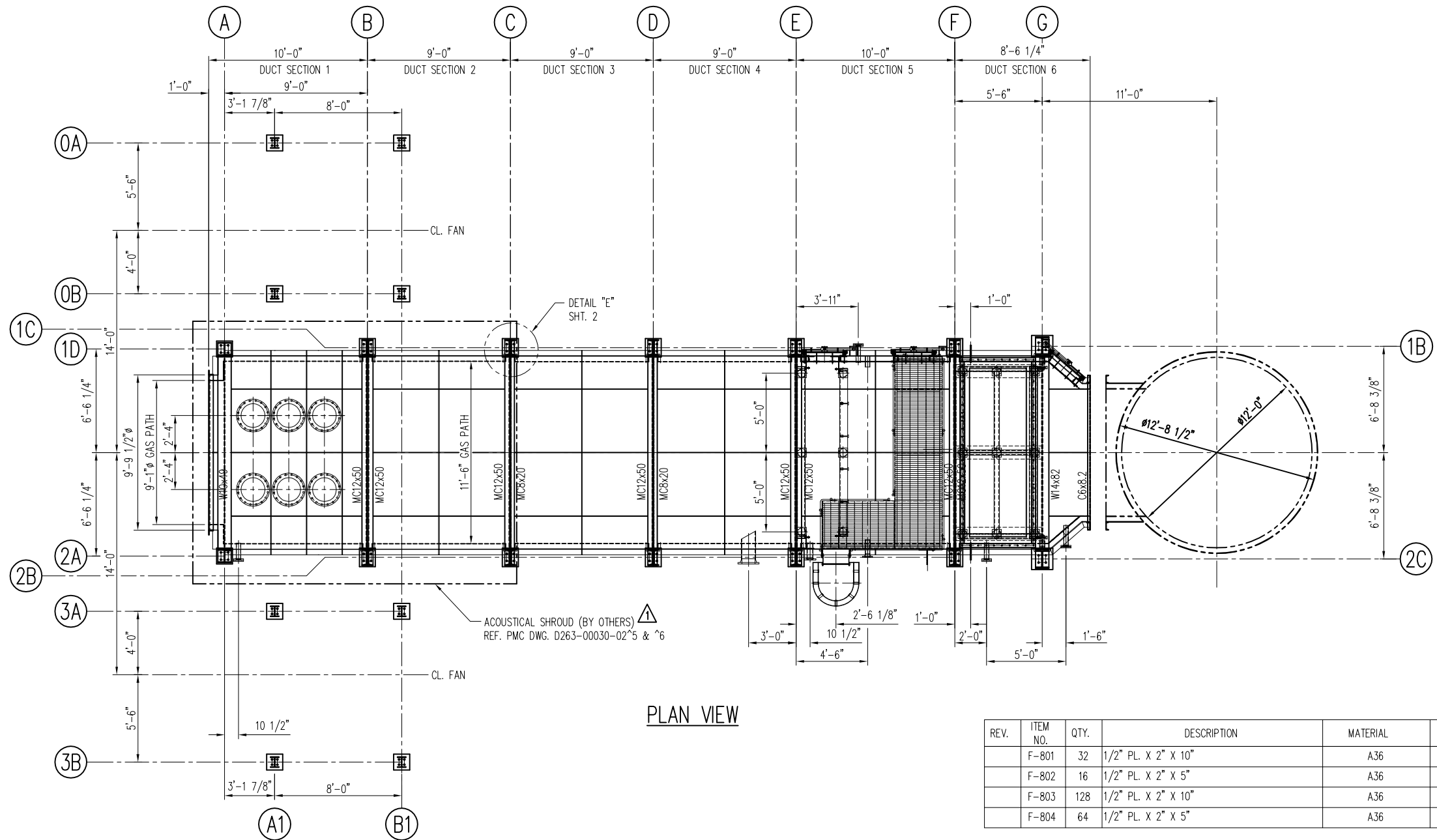
S.O. # M.A442.01
 VENDOR # 217402
 RR # GED00194218



PEERLESS Mfg. Co.
 14651 N. DALLAS PKWY.
 DALLAS, TEXAS 75254
 (214) 357-6181 WWW.PEERLESSMFG.COM

REV	DESCRIPTION	CK	BY	DATE
5	ADD BOLTS FB-6 & FB-7	MP	Z/J	6/10/11
4	REVISE WEIGHT OF DUCT 5	MP	Z/J	5/2/11
3	REVISE QTY. FB-1, ADD DETAIL "F", REVISE WEIGHT OF DUCTS 3, 4, 5 & 6	MP	Z/J	1/14/11
2	ADD DRAWING INFORMATION	MP	Z/J	1/7/11
1	ADD SHROUD REFERENCE	MP	Z/J	12/9/10
0	RELEASED FOR FABRICATION	MP	Z/J	12/3/10

CUST: ROLLS-ROYCE
 PROJ: HOWARD M. DOWN GENERATING STATION/VINELAND
 LOCATION: VINELAND, NJ.
 SCALE: 1/4"=1'-0" DATE: 5/10/10 P.O. NO: 5000959764
 TITLE: REACTOR HOUSING FIELD ASSEMBLY
 DRN BY: RTZ/J CHK'D: - P.E.: GA
 SO NO 204107 DWG NO 262700-1



PLAN VIEW

REV.	ITEM NO.	QTY.	DESCRIPTION	MATERIAL	REF. SHT.
	F-801	32	1/2" PL. X 2" X 10"	A36	8A
	F-802	16	1/2" PL. X 2" X 5"	A36	8A
	F-803	128	1/2" PL. X 2" X 10"	A36	8A
	F-804	64	1/2" PL. X 2" X 5"	A36	8A

- NOTES:
- QUANTITIES INDICATED FOR ONE (1) UNIT, ONE UNIT REQ'D.
 - ALL PURCHASING, FABRICATION, SHIPPING, & RECEIVING TO BE PERFORMED PER STANDARDS DEFINED IN PEERLESS GENERAL MANUFACTURING SPECIFICATION CD-002.
 - ALL EXTERNAL STIFFENERS TO BE COPED INTO PERPENDICULAR STRUCTURAL MEMBERS. 1" TRIANGULAR NOTCH FOR DRAINAGE SHALL BE CUT INTO CORNER INTERSECTIONS.
 - 1/4" WEEP HOLES ARE TO BE DRILLED IN ALL TUBULAR STRUCTURAL SHAPES THAT ARE SEALED FROM EXTERNAL AIR OR FLUE GAS.
 - ALL WELDS ON THE SEALING FACE OF THE CATALYST FRAME ARE TO BE GROUND FLUSH WITH THE SURFACE OF THE STEEL.
 - DO NOT SANDBLAST OR PAINT NUTS, BOLTS, WASHERS & FASTENERS: ALL NUTS, BOLTS, WASHERS & FASTENERS MUST BE HOT DIPPED GALVANIZED PER ASTM A153 OR PMC APPROVED EQUAL.
 - GASKET, NUTS, BOLTS, AND FASTENERS TO BE ATTACHED TO REACTOR BEFORE SHIPPING.
 - ALL TOLERANCES TO BE PER PEERLESS GENERAL MANUFACTURING SPECIFICATION CD-002.
 - PAINT SPECIFICATION: REFER TO PROJECT SPEC. FOR SURFACE PREP. & PAINT SPECIFICATION.
 - MATERIAL SPECIFICATION: ALL PLATE: A36 C.S. CHANNELS & ANGLES: A36 C.S. WIDE FLANGED BEAMS: A992 C.S. TUBE STEEL SHAPES: A500 GR. B GASKET (ACCESS DOORS): TETRAGLASS TAPE, THORPE PRODUCTS OR EQUIVALENT.
PIPE: A-106B
PIPE FITTINGS: A105
BOLTS: A325
NUTS: A563
WASHERS: F436
LINER: 10 GA. 409 S.S. FLOOR
10 GA. 409 S.S. ROOF & WALLS
 - THE EXTERNAL CASING IS MADE OF 1/4" PL. UNLESS NOTED OTHERWISE.
 - MILL TEST REPORTS REQUIRED FOR STRUCTURAL SHAPES, PLATE, & PIPE.
 - CERTIFICATES OF COMPLIANCE ARE REQUIRED FOR NUTS, BOLTS, WASHERS, ETC.
 - WELDING SPECIFICATION: USE AWS D1.1 FOR ALL STRUCTURAL STEEL WELDING. USE ANSI/ASME B31.3 FOR ALL PIPE WELDING. ALL OUTER CASING SHOP SPLICES ARE TO BE UNDER STRUCTURAL MEMBERS OR STIFFENER PLATE. (OTHERWISE APPROVED BY PEERLESS) TYP. WELD IS 1/4" FILLET UNLESS OTHERWISE NOTED. TYP. PLATE SPLICES TO BE FULL PENETRATION WELD AND GROUND FLAT IF NECESSARY, UNLESS NOTED OTHERWISE. ALL TEMPORARY SHOP LUGS MUST BE REMOVED, THE AREA CLEANED, SLAG REMOVED, AND STRIKES CLEANED. ALL WELDS MUST BE GAS TIGHT (OTHERWISE APPROVED BY PEERLESS MFG.)
 - SHIPPING SPECIFICATION: ALL ITEMS ARE TO BE SUFFICIENTLY BRACED FOR SHIPPING TO ELIMINATE BENDING, DISTORTION OR BREAKING. ALL SHIPPING BRACES AND TEMPORARY ITEMS MUST BE PAINTED YELLOW. FIELD REMOVE ALL TEMPORARY ITEMS PAINTED YELLOW.
 - ALL ITEMS SHIPPED LOOSE TO THE FIELD SHALL BE IDENTIFIED WITH: TAG NO., JOB NO., UNIT ID.
 - FALL PROTECTION DEVICE ON LADDER WILL BE "BY OTHERS".

S.O. # M.A442.01
VENDOR # 217402
RR # GED00194218

REV.	ITEM NO.	QTY.	DESCRIPTION	MATERIAL	REF. SHT.
			SHIP LOOSE ITEM:	APPROX. WEIGHT: 4,300 LBS.	
	F-201	870	S.F. - 2" INSULATION, 8 PCF, 1200 DEG. F	CERAMIC FIBER	2
3	F-401	3	12 GA. X 2 1/4" X 1'-1"	409 S.S.	4
	F-501	4	10 GA. X 1'-3" X 2'-2"	409 S.S.	5
	F-502	2	10 GA. X 1'-3" X 3'-1"	409 S.S.	5
	F-503	2	10 GA. X 1'-3" X 4'-0"	409 S.S.	5
	F-504	2	10 GA. X 1'-3" X 4'-11 11/16"	409 S.S.	5
	F-505	8	10 GA. X 1'-3" X 4'-0"	409 S.S.	5
	F-506	2	10 GA. X 1'-3" X 2'-2"	409 S.S.	5
	F-507	2	10 GA. X 1'-3" X 5'-2 3/4"	409 S.S.	5
	F-508	14	10 GA. X 1'-3" X 4'-0"	409 S.S.	5
	F-509	2	10 GA. X 1'-3" X 2'-2"	409 S.S.	5
	F-510	2	10 GA. X 1'-3" X 4'-5 1/4"	409 S.S.	5
	F-511	20	10 GA. X 1'-3" X 4'-0"	409 S.S.	5
	F-512	2	10 GA. X 1'-3" X 2'-2"	409 S.S.	5
	F-520	2	10 GA. X 1'-3" X 3'-9 3/4"	409 S.S.	5A
	F-521	1	10 GA. X 1'-3" X 4'-0"	409 S.S.	5A
	F-522	2	10 GA. X 1'-3" X 1'-11 3/4"	409 S.S.	5A
	F-523	2	10 GA. X 1'-3" X 4'-0"	409 S.S.	5A
	F-524	2	10 GA. X 1'-3" X 3'-9 3/4"	409 S.S.	5A
	F-525	1	10 GA. X 1'-3" X 4'-0"	409 S.S.	5A
	F-526	2	10 GA. X 1'-1 1/2" X 1'-11 3/4"	409 S.S.	5A
	F-527	2	10 GA. X 1'-1 1/2" X 4'-0"	409 S.S.	5A
	F-531	6	10 GA. X 1'-1 1/2" X 1'-11 3/4"	409 S.S.	5A
	F-532	6	10 GA. X 1'-1 1/2" X 4'-0"	409 S.S.	5A
	F-601	1	10 GA. X 1'-2 1/2" X 1'-3"	409 S.S.	6
	F-601A	1	10 GA. X 1'-2 1/2" X 1'-3"	409 S.S.	6
	F-602	1	10 GA. X 1'-2 1/4" X 2'-3 13/16"	409 S.S.	6
	F-602A	1	10 GA. X 1'-2 1/4" X 2'-3 13/16"	409 S.S.	6
	F-603	1	10 GA. X 1'-1 3/4" X 2'-3 13/16"	409 S.S.	6
	F-603A	1	10 GA. X 1'-1 3/4" X 2'-3 13/16"	409 S.S.	6
	F-604	1	10 GA. X 1'-2 3/16" X 1'-3 1/16"	409 S.S.	6
	F-604A	1	10 GA. X 1'-2 3/16" X 1'-3 1/16"	409 S.S.	6
	F-605	1	10 GA. X 1'-1 3/4" X 1'-3 9/16"	409 S.S.	6
	F-605A	1	10 GA. X 1'-1 3/4" X 1'-3 9/16"	409 S.S.	6
	F-606	1	10 GA. X 1'-2 1/2" X 1'-3"	409 S.S.	6A
	F-606A	1	10 GA. X 1'-2 1/2" X 1'-3"	409 S.S.	6A
	F-607	1	10 GA. X 1'-2 1/2" X 1'-3"	409 S.S.	6A
	F-607A	1	10 GA. X 1'-2 1/2" X 1'-3"	409 S.S.	6A
	F-608	1	10 GA. X 1'-2" X 1'-3"	409 S.S.	6A
	F-608A	1	10 GA. X 1'-2" X 1'-3"	409 S.S.	6A
	F-609	1	10 GA. X 1'-2" X 1'-3"	409 S.S.	6A
	F-609A	1	10 GA. X 1'-2" X 1'-3"	409 S.S.	6A
	F-610	1	10 GA. X 1'-2" X 1'-3"	409 S.S.	6A
	F-610A	1	10 GA. X 1'-2" X 1'-3"	409 S.S.	6A
	F-701	2	14 GA. X 3 5/8" X 8 3/4"	409 S.S.	7
	F-702	2	14 GA. X 3 5/8" X 2'-11 3/4"	409 S.S.	7
	F-703	1	14 GA. X 3 5/8" X 4'-4"	409 S.S.	7



MAKING ENERGY SAFE,
EFFICIENT, AND CLEAN

PEERLESS Mfg. Co.
14651 N. DALLAS PKWY.
DALLAS, TEXAS 75254
(214) 357-6181 WWW.PEERLESSMFG.COM

CUST: ROLLS-ROYCE
PROJ: HOWARD M. DOWN GENERATING STATION/VINELAND
LOCATION: VINELAND, NJ.

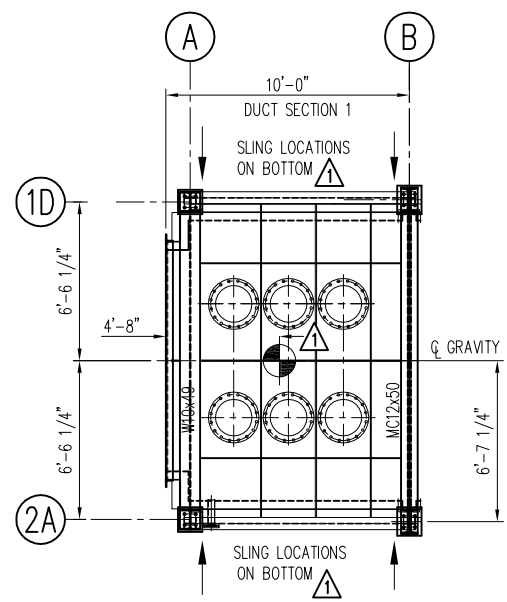
SCALE: 1/4"=1'-0" DATE: 5/10/10 P.O. NO: 5000959764

TITLE: REACTOR HOUSING FIELD ASSEMBLY

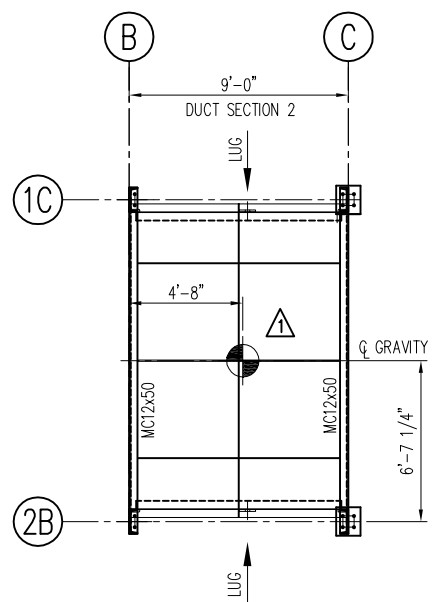
DRN BY: RTZ/J CHK'D: - P.E.: GA
SD NO 204107 DWG NO 262700-1A

REV	DESCRIPTION	CK	BY	DATE
3	REVISE ITEM F-401, ADDED TO NOTE 15	MP	Z/J	4/19/11
2	ADD DRAWING INFORMATION	MP	Z/J	1/7/11
1	ADD SHROUD REFERENCE	MP	Z/J	12/9/10
0	RELEASED FOR FABRICATION	MP	Z/J	12/3/10

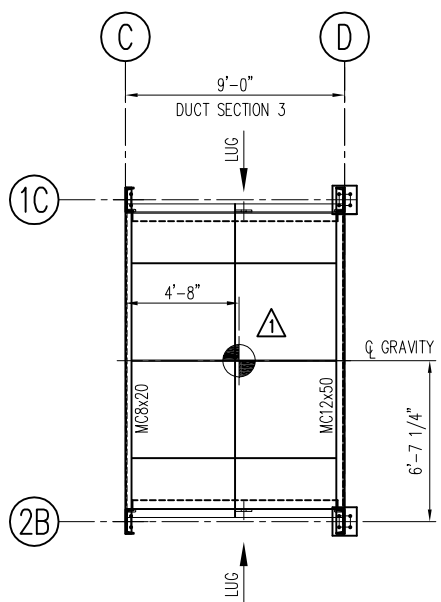
THIS DRAWING IS THE SOLE PROPERTY OF PEERLESS MFG. COMPANY AND SHALL NOT BE REPRODUCED, COPIED, LOANED, ALTERED, NOR USED FOR ANY PURPOSE OTHER THAN THAT FOR WHICH IT IS FURNISHED EXCEPT WITH THE WRITTEN PERMISSION OF PEERLESS MFG. COMPANY.



PLAN VIEW

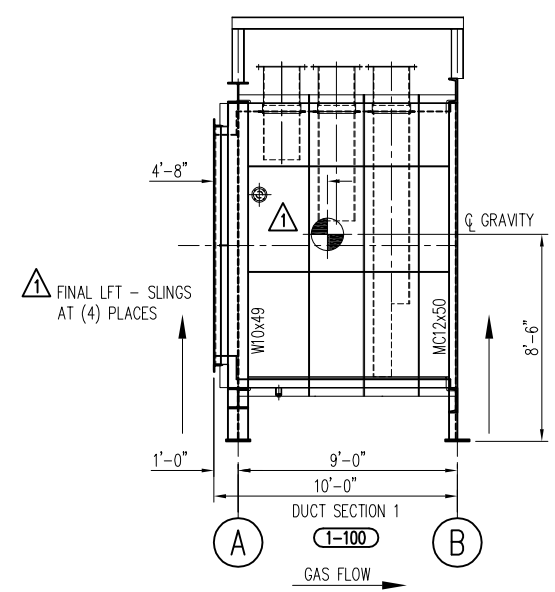


PLAN VIEW

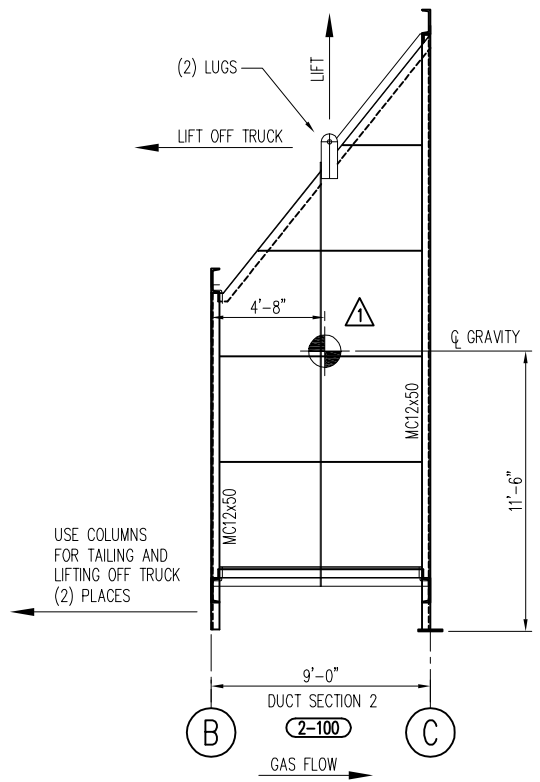


PLAN VIEW

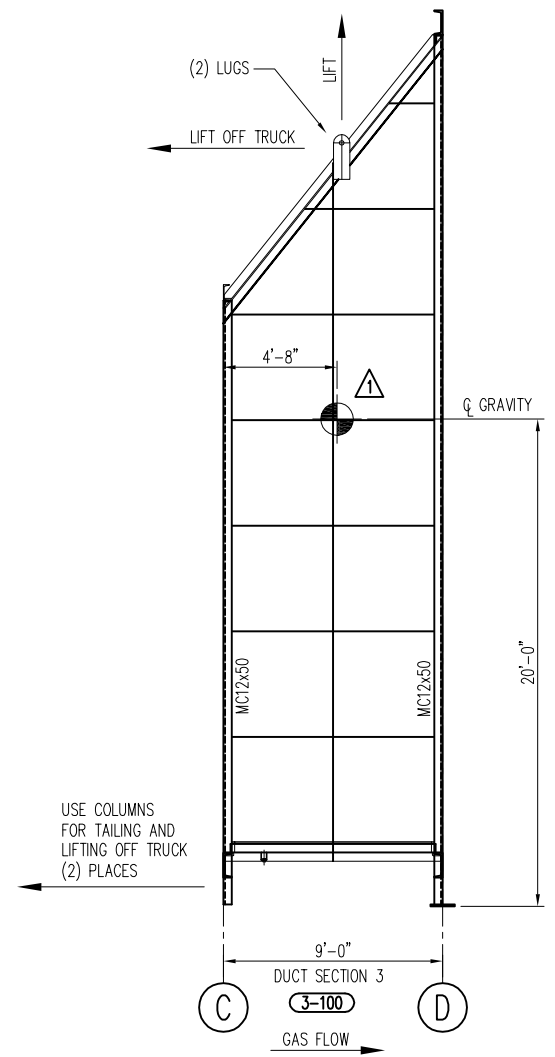
REV.	ITEM NO.	QTY.	DESCRIPTION	WEIGHT
			SHIPPING ASSEMBLIES	
	1-100	1	DUCT SECTION 1	21,700 LBS.
	2-100	1	DUCT SECTION 2	20,800 LBS.
	3-100	1	DUCT SECTION 3	31,300 LBS.



ELEVATION



ELEVATION



ELEVATION

S.O. # M.A442.01
 VENDOR # 217402
 RR # GED00194218



PEERLESS Mfg. Co.
 14651 N. DALLAS PKWY.
 DALLAS, TEXAS 75254
 (214) 357-6181 WWW.PEERLESSMFG.COM

CUST: ROLLS-ROYCE
 PROJ: HOWARD M. DOWN GENERATING STATION/VINELAND
 LOCATION: VINELAND, NJ.

SCALE: 1/4"=1'-0" DATE: 6/6/11 P.O. NO: 5000959764

TITLE: REACTOR HOUSING FIELD ASSEMBLY

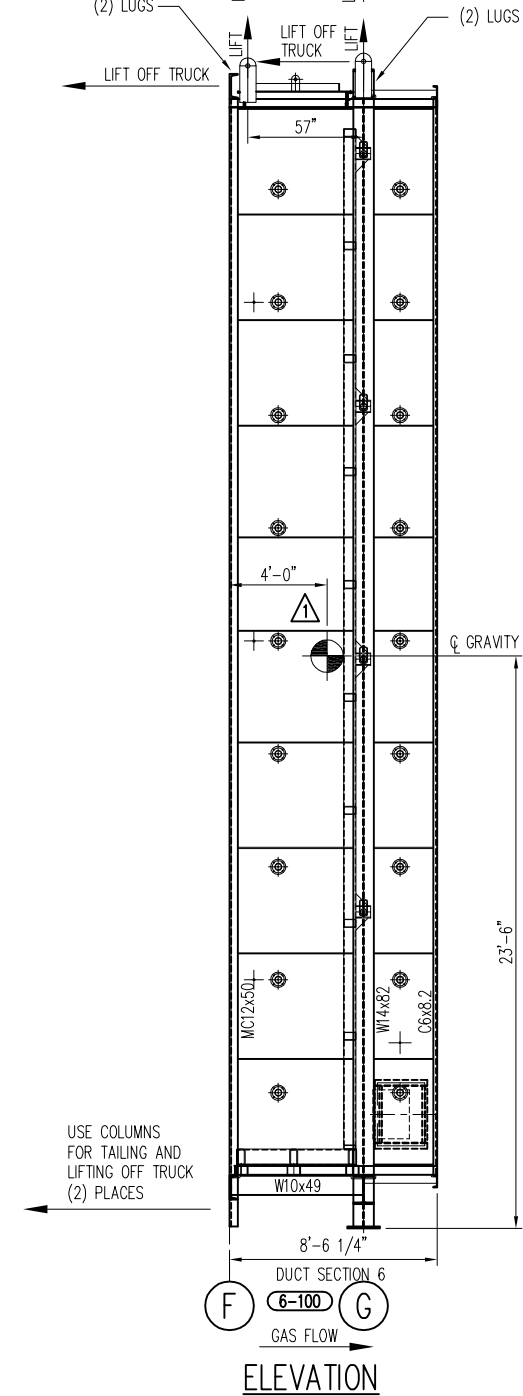
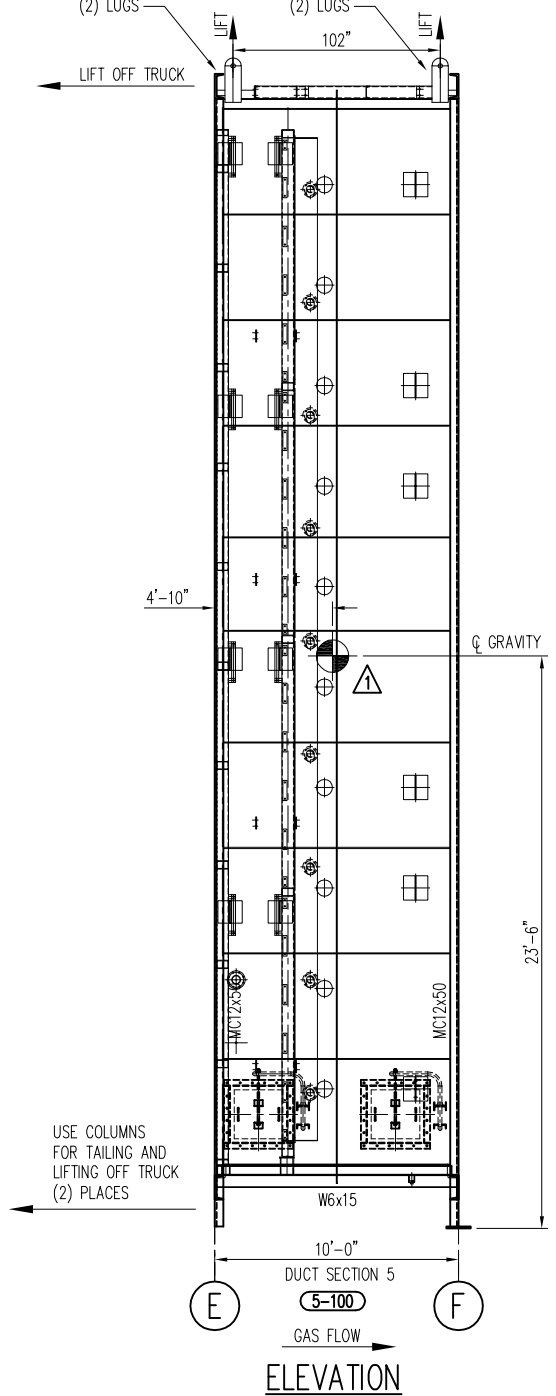
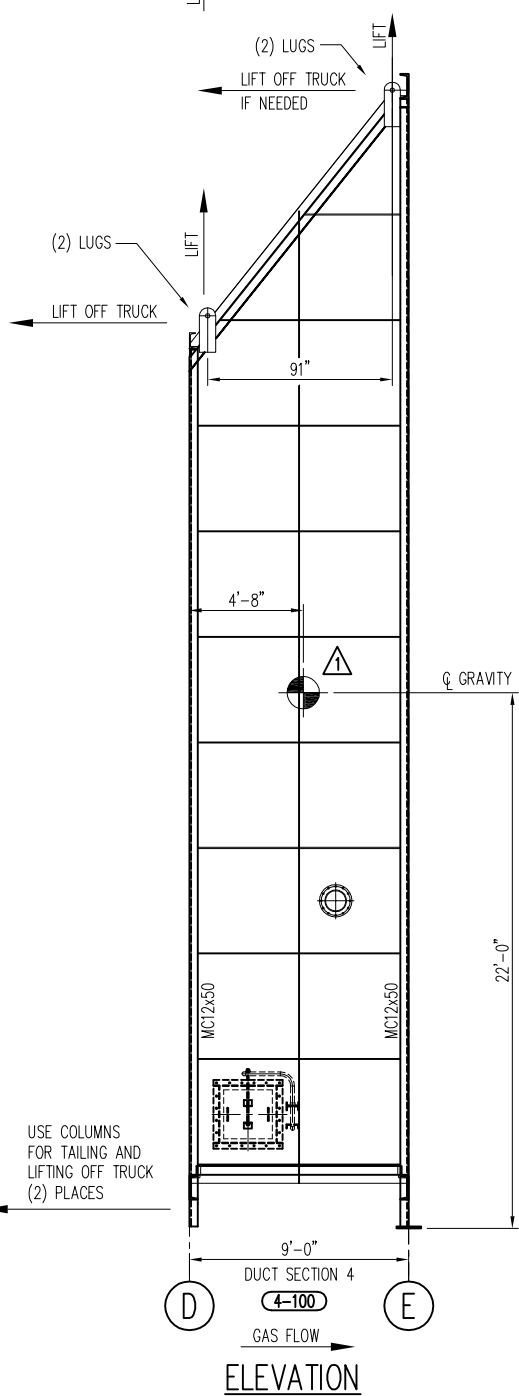
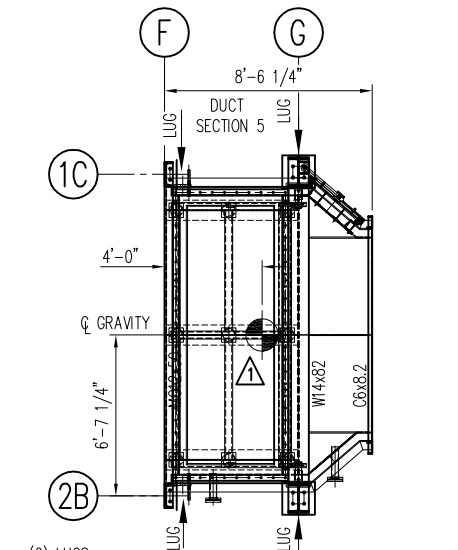
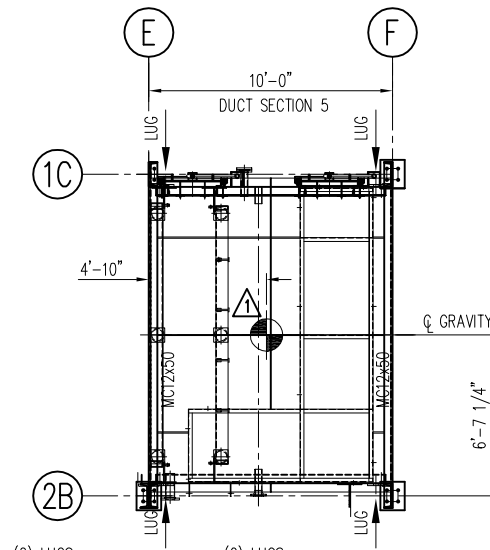
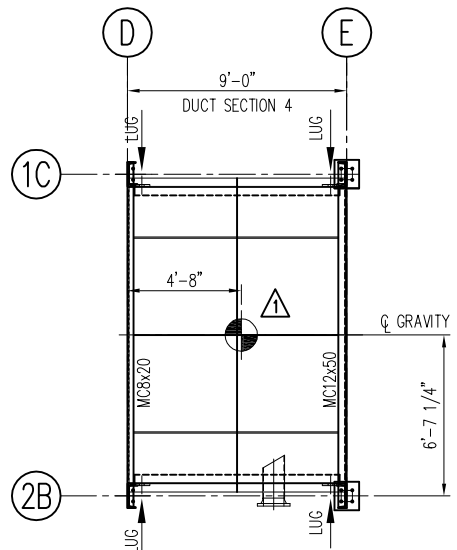
DRN BY: RTZ/Z CHK'D: - P.E.: GA REV. 1

REV	DESCRIPTION	CK	BY	DATE
1	ADDED CENTER OF GRAVITY	MP	Z/J	6/9/11
0	ADDED DRAWING TO SET	MP	Z/Z	6/6/11

THIS DRAWING IS THE SOLE PROPERTY OF PEERLESS MFG. COMPANY AND SHALL NOT BE REPRODUCED, COPIED, LOANED, ALTERED, NOR USED FOR ANY PURPOSE OTHER THAN THAT FOR WHICH IT IS FURNISHED EXCEPT WITH THE WRITTEN PERMISSION OF PEERLESS MFG. COMPANY.

SO NO 204107 DWG NO 262700-1B

8 7 6 5 4 3 2 1



REV.	ITEM NO.	QTY.	DESCRIPTION	WEIGHT
			SHIPPING ASSEMBLIES	
	4-100	1	DUCT SECTION 4	37,800 LBS.
	5-100	1	DUCT SECTION 5	66,085 LBS.
	6-100	1	DUCT SECTION 6	49,000 LBS.

S.O. # M.A442.01
 VENDOR # 217402
 RR # GED00194218



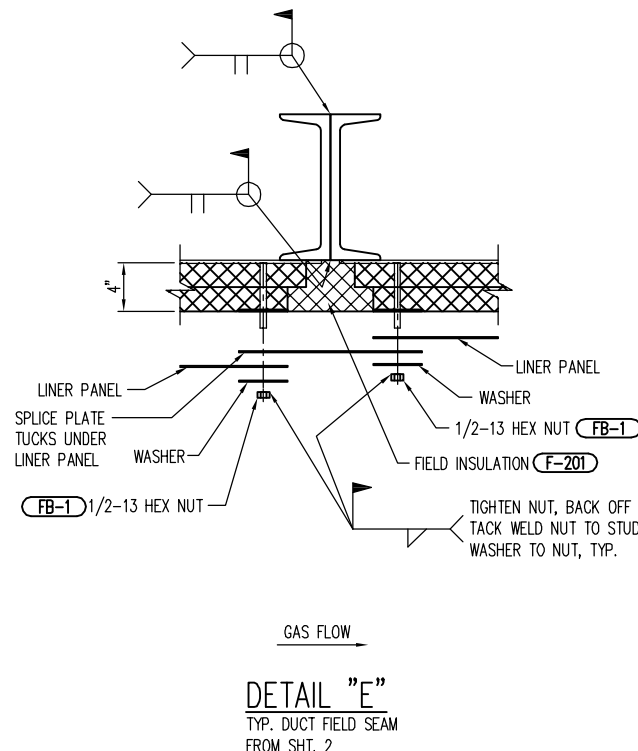
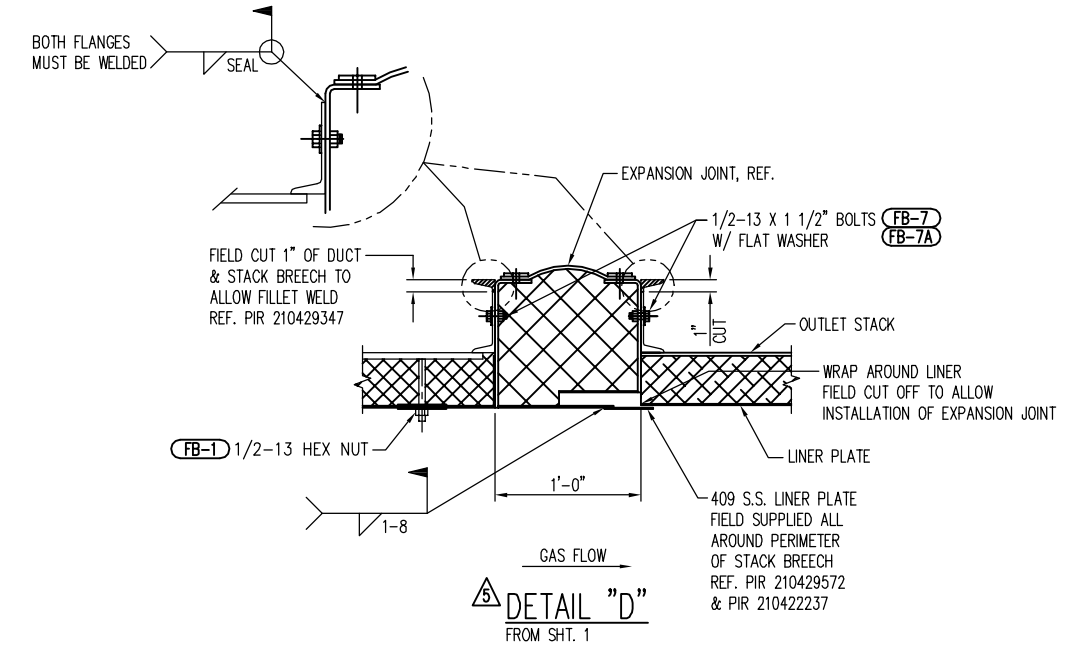
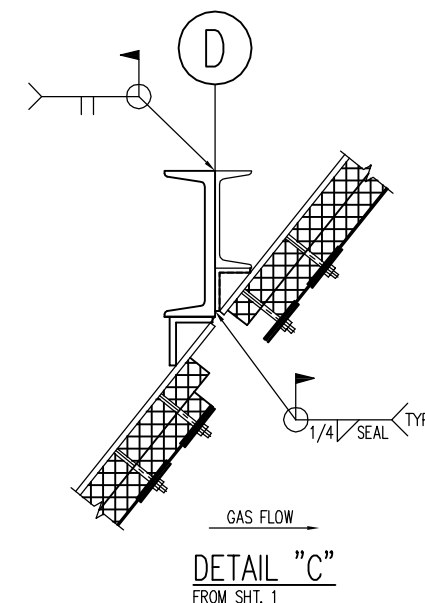
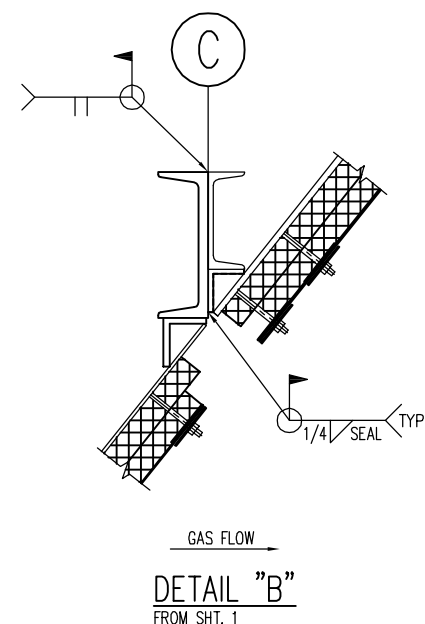
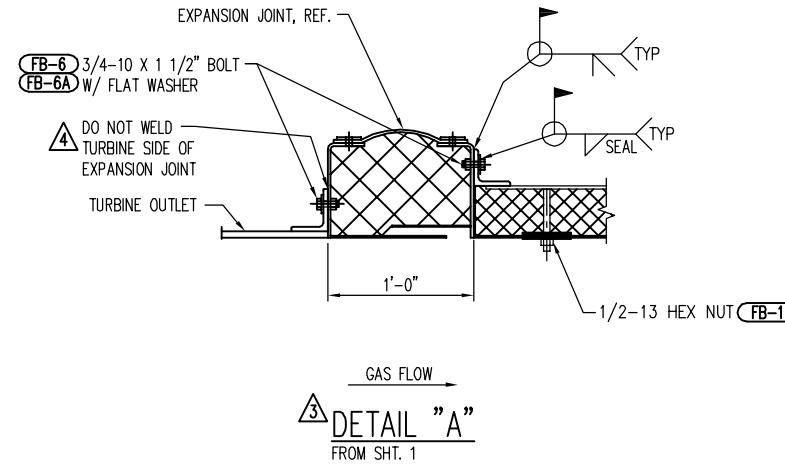
PEERLESS Mfg. Co.
 14651 N. DALLAS PKWY.
 DALLAS, TEXAS 75254
 (214) 357-6181 WWW.PEERLESSMFG.COM

CUST: ROLLS-ROYCE
 PROJ: HOWARD M. DOWN GENERATING STATION/VINELAND
 LOCATION: VINELAND, NJ.
 SCALE: 1/4"=1'-0" DATE: 6/6/11 P.O. NO: 5000959764

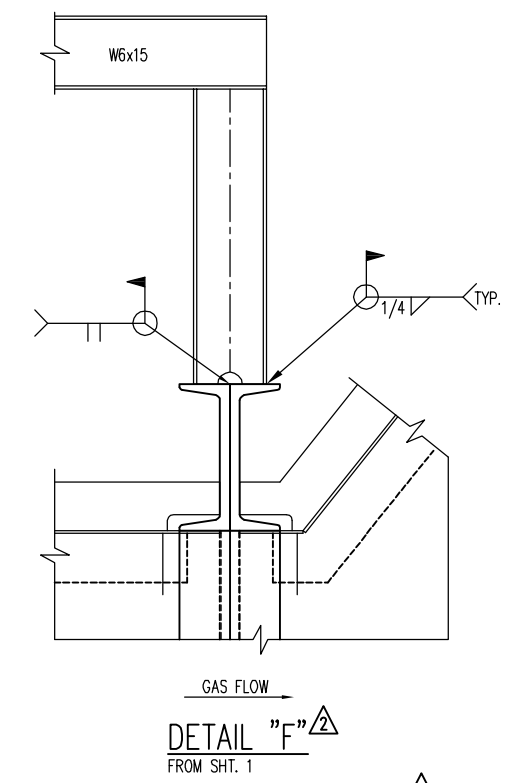
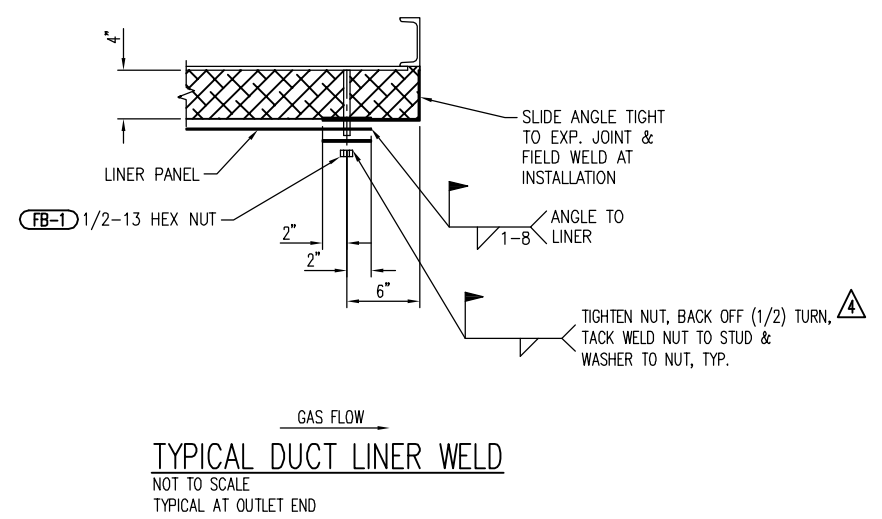
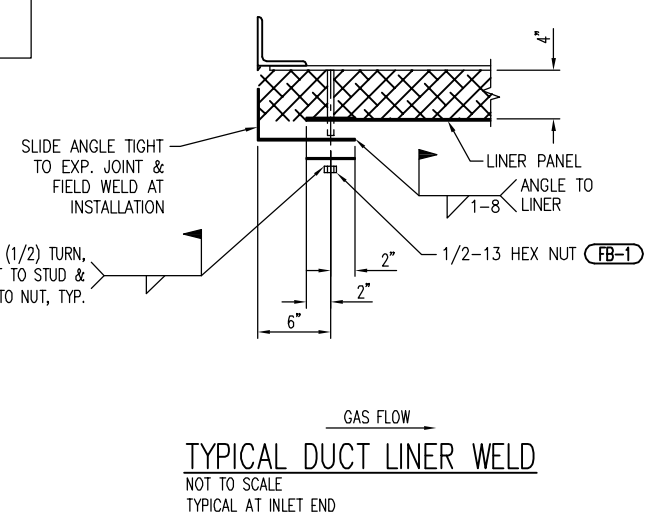
THIS DRAWING IS THE SOLE PROPERTY OF PEERLESS MFG. COMPANY AND SHALL NOT BE REPRODUCED, COPIED, LOANED, ALTERED, NOR USED FOR ANY PURPOSE OTHER THAN THAT FOR WHICH IT IS FURNISHED EXCEPT WITH THE WRITTEN PERMISSION OF PEERLESS MFG. COMPANY.		TITLE: REACTOR HOUSING FIELD ASSEMBLY	
DRN BY: RTZ/Z	CHK'D: -	P.E.: GA	REV. 1
SO NO 204107	DWG NO 262700-1C		

1	ADDED CENTER OF GRAVITY	MP	Z/J	6/9/11
0	ADDED DRAWING TO SET	MP	Z/Z	6/6/11
REV	DESCRIPTION	CK	BY	DATE

8 7 6 5 4 3 2 1



THE FIELD WILL REMOVE PLASTIC NUT AND REPLACE WITH ITEM FB-1 AFTER INSULATING AT ASSEMBLY. THEN, FIELD TACK NUT TO STUD AND WASHER TO STUD, TYPICAL. ⚠



⚠ S.O. # M.A442.01
VENDOR # 217402
RR # GED00194218

REV	DESCRIPTION	CK	BY	DATE
5	REVISE DETAIL D	MP	Z/J	7/11/12
4	ADD NOTES TO DETAIL A, D, E & TYP. DUCT LINER WELD DETAILS	MP	Z/J	6/20/11
3	REVISE DETAIL A & D, ADD BOLTS	MP	Z/J	6/10/11
2	ADD DETAIL F	MP	Z/J	1/14/11
1	ADD DRAWING INFORMATION	MP	Z/J	1/7/11
0	RELEASED FOR FABRICATION	MP	Z/J	12/3/10

MAKING ENERGY SAFE,
EFFICIENT, AND CLEAN

THIS DRAWING IS THE SOLE
PROPERTY OF PEERLESS MFG.
COMPANY AND SHALL NOT BE
REPRODUCED, COPIED, LOANED
ALTERED, NOR USED FOR ANY
PURPOSE OTHER THAN THAT FOR
WHICH IT IS FURNISHED EXCEPT
WITH THE WRITTEN PERMISSION
OF PEERLESS MFG. COMPANY.

PEERLESS Mfg. Co.
14651 N. DALLAS PKWY.
DALLAS, TEXAS 75254
(214) 357-6181 WWW.PEERLESSMFG.COM

CUST: ROLLS-ROYCE
PROJ: HOWARD M. DOWN GENERATING STATION/VINELAND
LOCATION: VINELAND, NJ.

SCALE: 1 1/2"=1'-0" DATE: 5/10/10 P.O. NO: 5000959784

TITLE: REACTOR HOUSING
FIELD ASSEMBLY DETAILS

DRN BY: RTZ/J CHK'D: - P.E.: GA REV. 5

SO NO 204107 DWG NO 262700-2

8 7 6 5 4 3 2 1

D

C

B

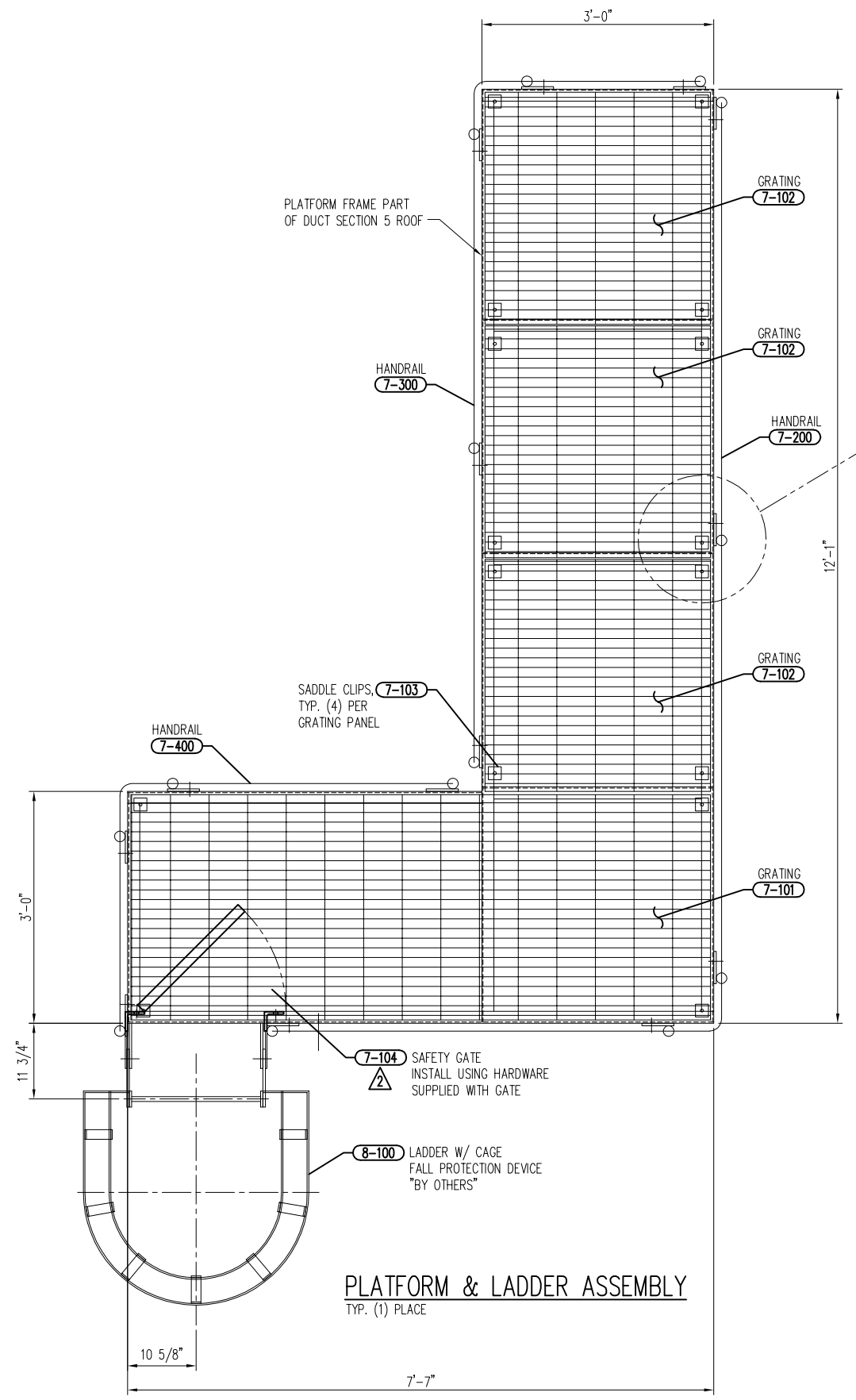
A

D

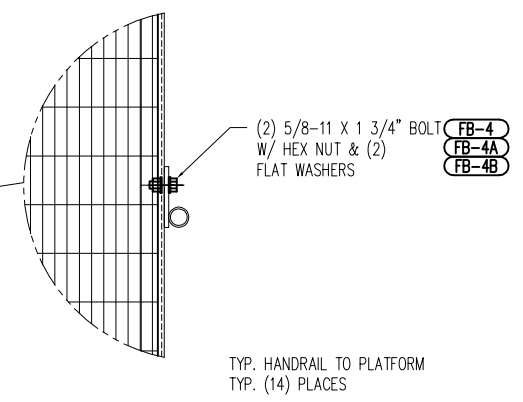
C

B

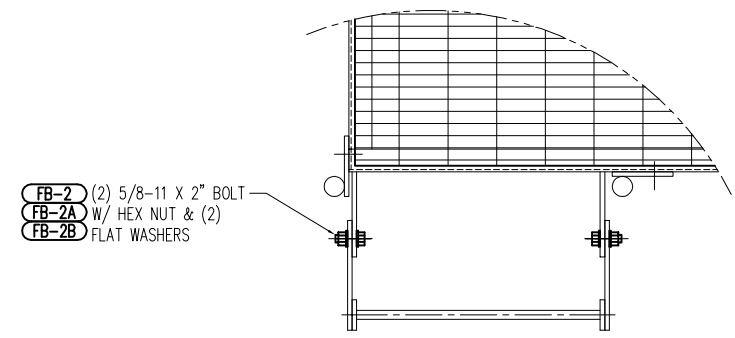
A



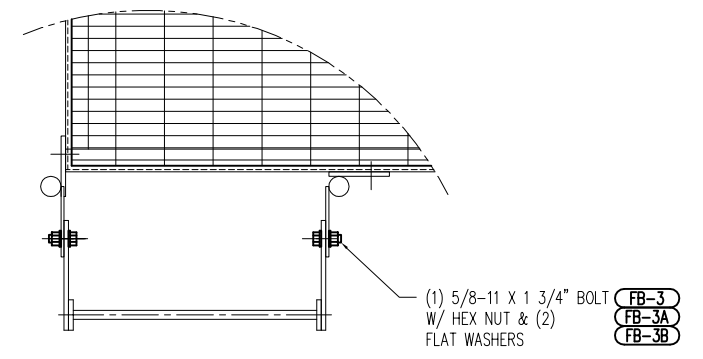
PLATFORM & LADDER ASSEMBLY
TYP. (1) PLACE



TYP. HANDRAIL TO PLATFORM
TYP. (14) PLACES



DETAIL "1"
TYP. LADDER TO PLATFORM/DUCT
TYP. (10) PLACES



DETAIL "2"
TOP OF LADDER TO HANDRAIL
TYP. (2) PLACES

△ S.O. # M.A442.01
VENDOR # 217402
RR # GED00194218



MAKING ENERGY SAFE,
EFFICIENT, AND CLEAN

CONFIDENTIAL

THIS DRAWING IS THE SOLE
PROPERTY OF PEERLESS MFG.
COMPANY AND SHALL NOT BE
REPRODUCED, COPIED, LOANED
ALTERED, NOR USED FOR ANY
PURPOSE OTHER THAN THAT FOR
WHICH IT IS FURNISHED EXCEPT
WITH THE WRITTEN PERMISSION
OF PEERLESS MFG. COMPANY.

PEERLESS Mfg. Co.
14651 N. DALLAS PKWY.
DALLAS, TEXAS 75254
(214) 357-6181 WWW.PEERLESSMFG.COM

CUST: ROLLS-ROYCE
PROJ: HOWARD M. DOWN GENERATING STATION/VINELAND
LOCATION: VINELAND, NJ.

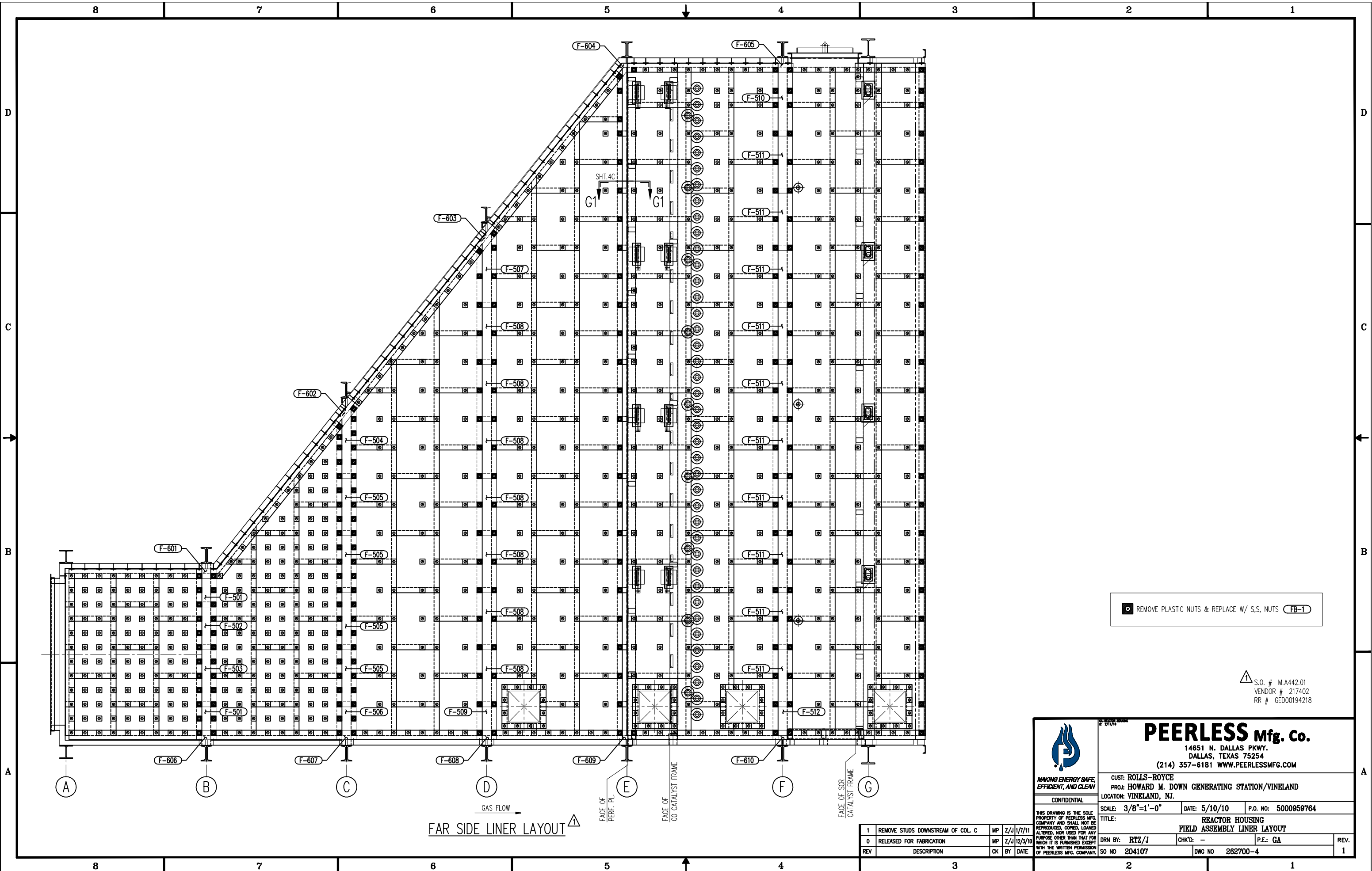
SCALE: 1"=1'-0" DATE: 5/10/10 P.O. NO: 5000959764

TITLE: REACTOR HOUSING
FIELD ASSEMBLY PLATFORM DETAILS

DRN BY: RTZ/J CHK'D: - P.E.: GA
SD NO 204107 DWG NO 262700-3


REV	DESCRIPTION	CK	BY	DATE
2	REVISE SAFETY GATE	MP	Z/Z	2/2/11
1	ADD DRAWING INFORMATION	MP	Z/J	1/7/11
0	RELEASED FOR FABRICATION	MP	Z/J	12/3/10

8 7 6 5 4 3 2 1

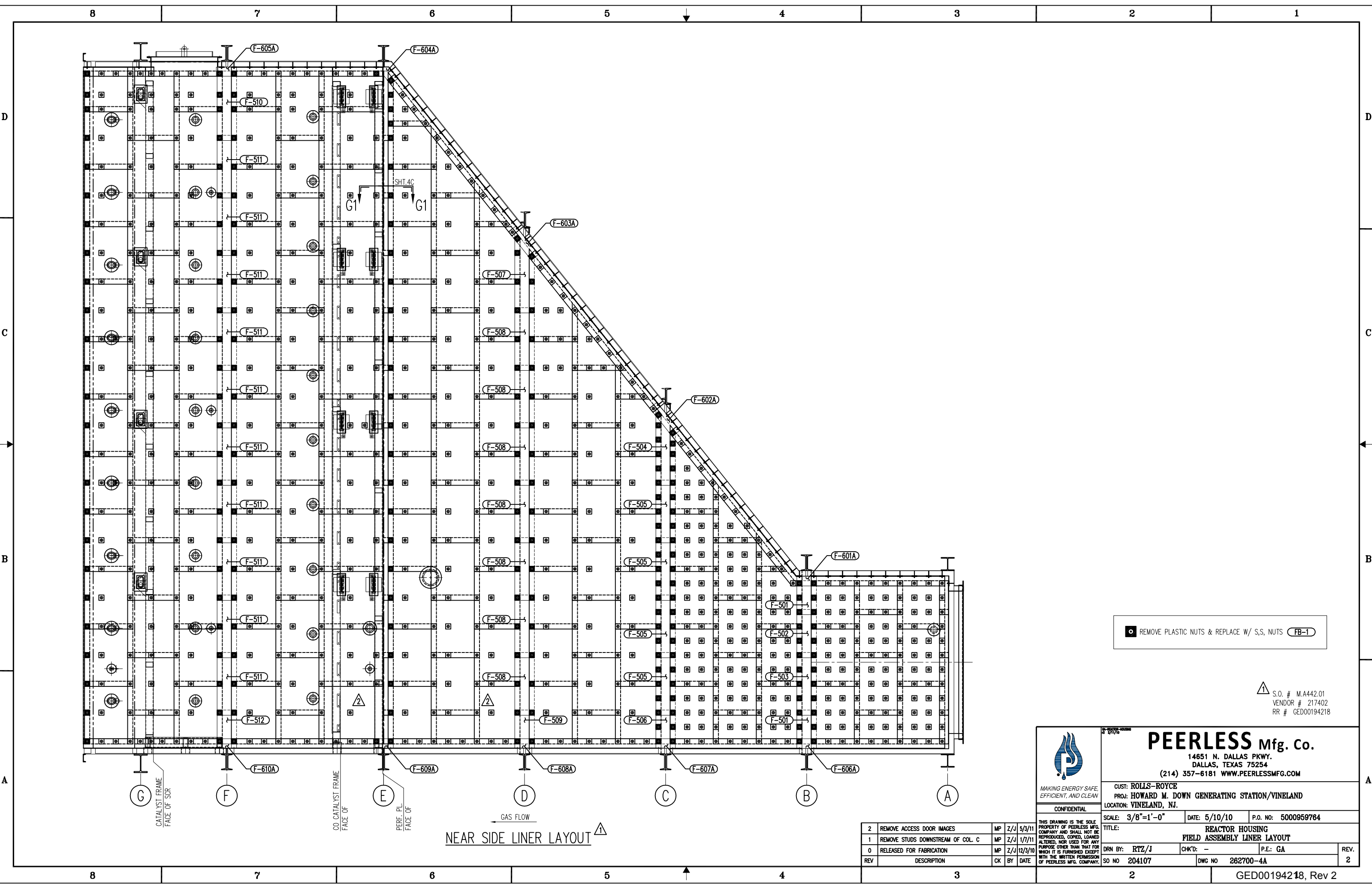


○ REMOVE PLASTIC NUTS & REPLACE W/ S/S, NUTS (FB-1)

△ S.O. # M.A442.01
 VENDOR # 217402
 RR # GED00194218


 <p>PEERLESS Mfg. Co. 14651 N. DALLAS PKWY. DALLAS, TEXAS 75254 (214) 357-6181 WWW.PEERLESSMFG.COM</p>	CUST: ROLLS-ROYCE PROJ: HOWARD M. DOWN GENERATING STATION/VINELAND LOCATION: VINELAND, NJ.		
	SCALE: 3/8"=1'-0" DATE: 5/10/10 P.O. NO: 5000959764	TITLE: REACTOR HOUSING FIELD ASSEMBLY LINER LAYOUT	
DRN BY: RTZ/J SO NO: 204107	CHK'D: - DWG NO: 282700-4	P.E.: GA	REV. 1

REV	DESCRIPTION	CK	BY	DATE
1	REMOVE STUDS DOWNSTREAM OF COL. C	MP	Z/J	1/7/11
0	RELEASED FOR FABRICATION	MP	Z/J	12/3/10



 REMOVE PLASTIC NUTS & REPLACE W/ S,S NUTS (FB-1)

S.O. # M.A442.01
 VENDOR # 217402
 RR # GED00194218



MAKING ENERGY SAFE,
 EFFICIENT, AND CLEAN

PEERLESS Mfg. Co.

14651 N. DALLAS PKWY.
 DALLAS, TEXAS 75254
 (214) 357-6181 WWW.PEERLESSMFG.COM

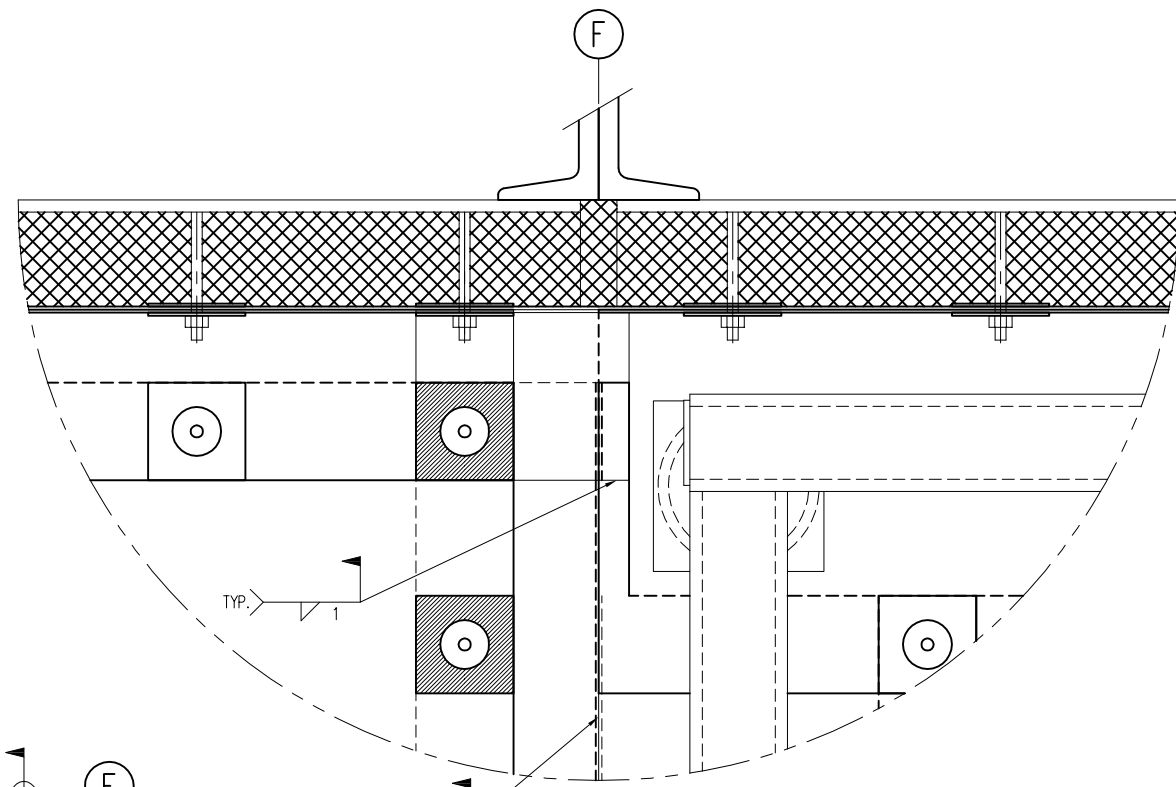
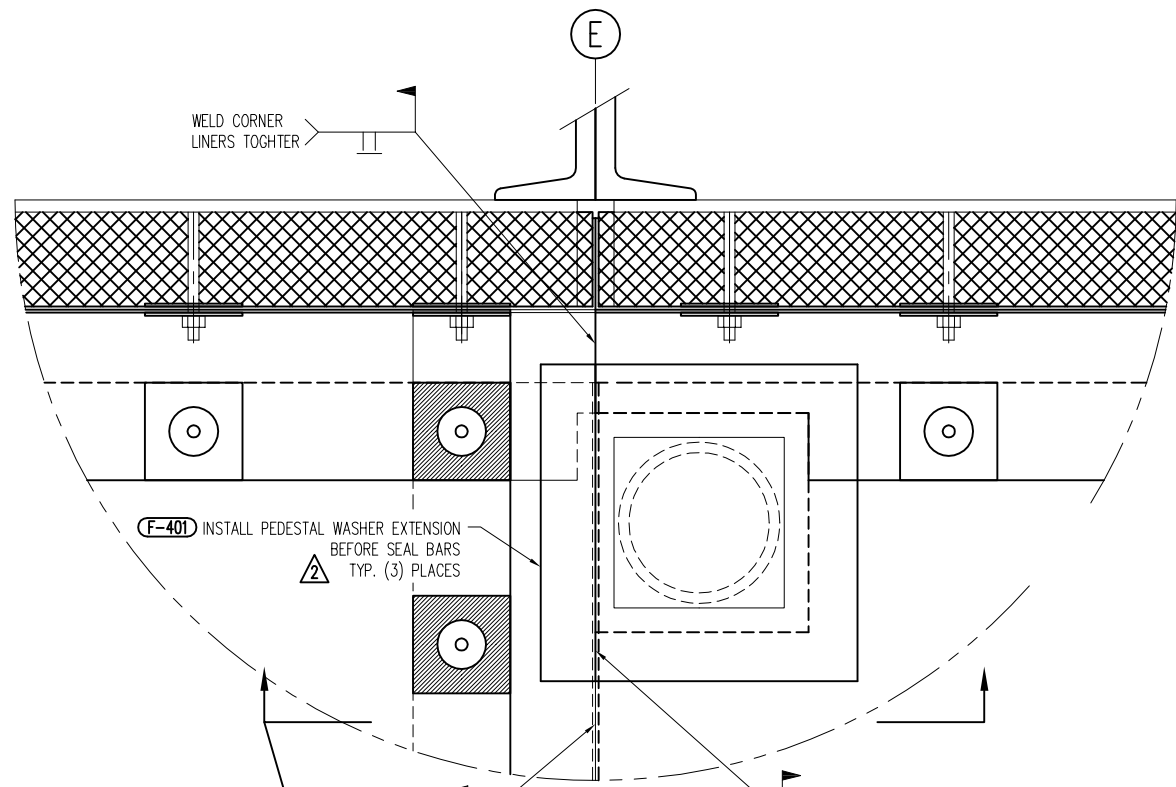
S.O. # M.A442.01
 VENDOR # 217402
 RR # GED00194218

CUST: ROLLS-ROYCE
PROJ: HOWARD M. DOWN GENERATING STATION/VINELAND
LOCATION: VINELAND, NJ.

SCALE: 3/8"=1'-0"	DATE: 5/10/10	P.O. NO: 5000959764	
THIS DRAWING IS THE SOLE PROPERTY OF PEERLESS MFG. COMPANY AND SHALL NOT BE REPRODUCED, COPIED, LOANED, ALTERED, NOR USED FOR ANY PURPOSE OTHER THAN THAT FOR WHICH IT IS FURNISHED EXCEPT WITH THE WRITTEN PERMISSION OF PEERLESS MFG. COMPANY.			
TITLE: REACTOR HOUSING FIELD ASSEMBLY LINER LAYOUT		DRN BY: RTZ/J CHK'D: - P.E.: GA	
SO NO: 204107	DWG NO: 262700-4A	REV: 2	

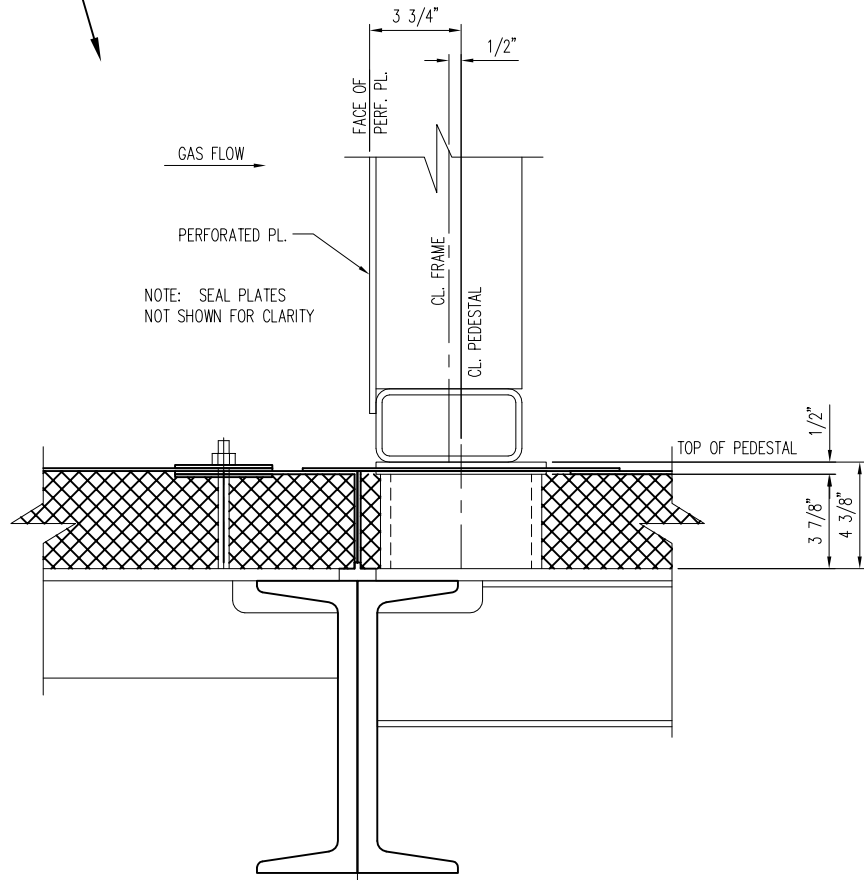
REV	DESCRIPTION	CK	BY	DATE
2	REMOVE ACCESS DOOR IMAGES	MP	Z/J	5/3/11
1	REMOVE STUDS DOWNSTREAM OF COL. C	MP	Z/J	1/7/11
0	RELEASED FOR FABRICATION	MP	Z/J	12/3/10

NEAR SIDE LINER LAYOUT 

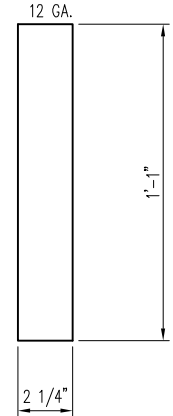


DETAIL "G"
FROM SHT. 4B

DETAIL "H"
FROM SHT. 4B



SECTION "G1"
TYP. @ ROOF & SIDEWALL
FROM SHT. 4, 4A & 4B



DETAIL ITEM F-401
QTY. (3) EA.

WELD TOGETHER ADJACENT PANELS ONLY, TYP. DO NOT WELD TO MORE THAN (1) PANEL

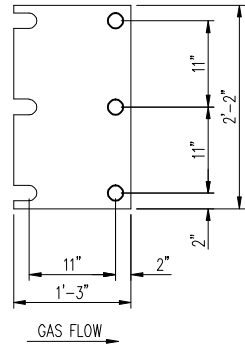
S.O. # M.A442.01
VENDOR # 217402
RR # GED00194218

<p>MAKING ENERGY SAFE, EFFICIENT, AND CLEAN</p>		<p>PEERLESS Mfg. Co. 14651 N. DALLAS PKWY. DALLAS, TEXAS 75254 (214) 357-6181 WWW.PEERLESSMFG.COM</p>	
		<p>CUST: ROLLS-ROYCE PROJ: HOWARD M. DOWN GENERATING STATION/VINELAND LOCATION: VINELAND, NJ.</p>	
<p>3 REVISE SECTION G1 MP Z/J 6/20/11</p>		<p>SCALE: 1/4"=1'-0" DATE: 5/10/10 P.O. NO: 5000958764</p>	
<p>2 REVISE DETAIL G & ITEM F-401 MP Z/J 4/19/11</p>		<p>TITLE: REACTOR HOUSING FIELD ASSEMBLY LINER DETAILS</p>	
<p>1 ADD DRAWING INFORMATION MP Z/J 1/7/11</p>		<p>DRN BY: RTZ/J CHK'D: - P.E.: GA</p>	
<p>0 RELEASED FOR FABRICATION MP Z/J 12/3/10</p>		<p>SO NO 204107 DWG NO 262700-4C</p>	
REV	DESCRIPTION	CK	BY DATE

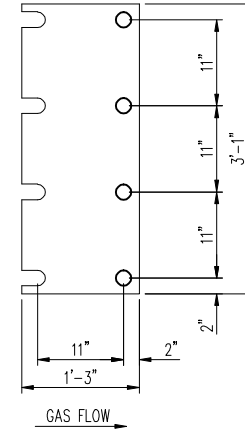
8 7 6 5 4 3 2 1

D

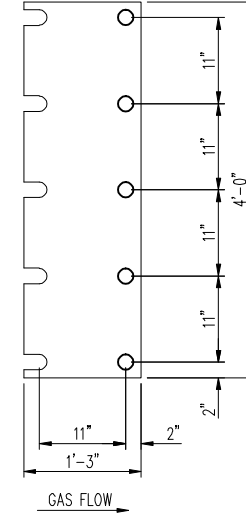
D



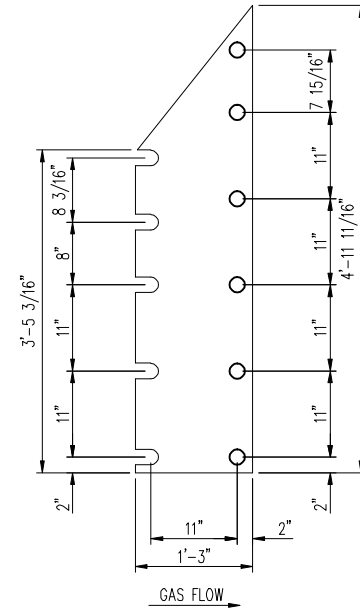
DETAIL ITEM F-501
QTY. (4) EA.



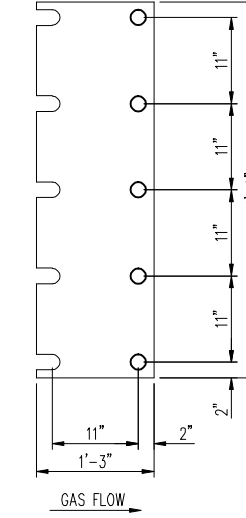
DETAIL ITEM F-502
QTY. (2) EA.



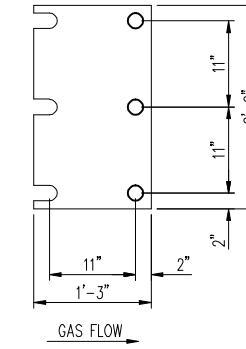
DETAIL ITEM F-503
QTY. (2) EA.



DETAIL ITEM F-504
QTY. (2) EA.



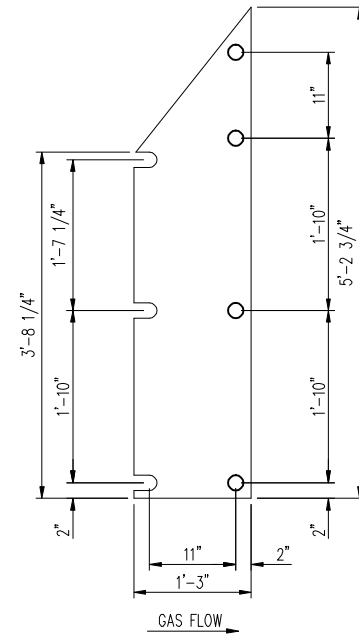
DETAIL ITEM F-505
QTY. (8) EA.



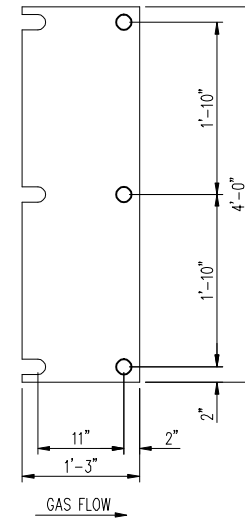
DETAIL ITEM F-506
QTY. (2) EA.

C

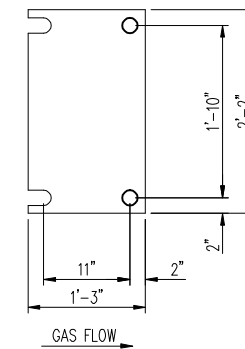
C



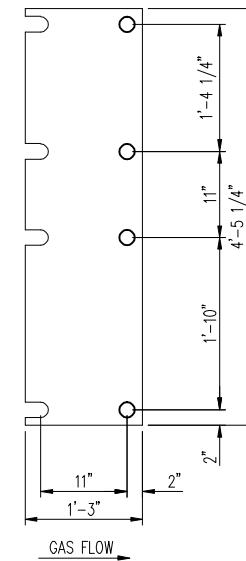
DETAIL ITEM F-507
QTY. (2) EA.



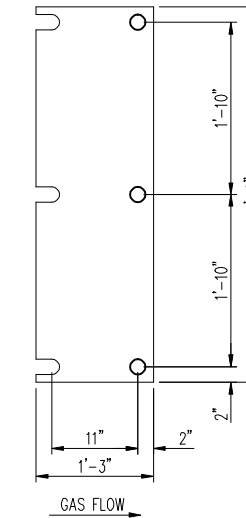
DETAIL ITEM F-508
QTY. (14) EA.



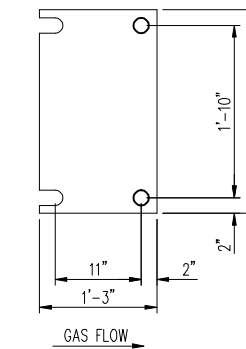
DETAIL ITEM F-509
QTY. (2) EA.



DETAIL ITEM F-510
QTY. (2) EA.



DETAIL ITEM F-511
QTY. (20) EA.




DETAIL ITEM F-512
QTY. (2) EA.

B

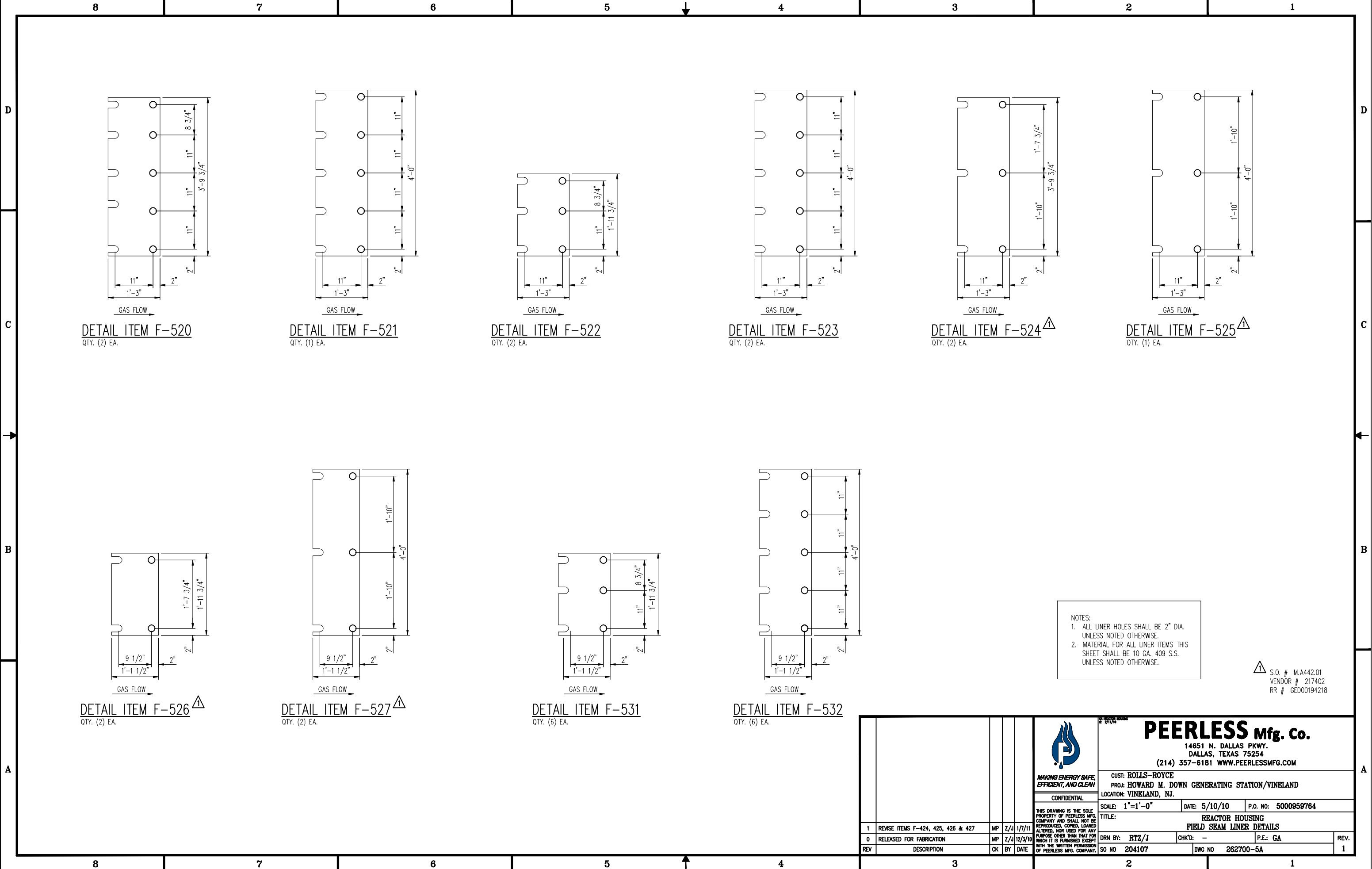
B

S.O. # M.A442.01
VENDOR # 217402
RR # GED00194218

NOTES:
1. ALL LINER HOLES SHALL BE 2" DIA. UNLESS NOTED OTHERWISE.
2. MATERIAL FOR ALL LINER ITEMS THIS SHEET SHALL BE 10 GA. 409 S.S. UNLESS NOTED OTHERWISE.

		 PEERLESS Mfg. Co. 14651 N. DALLAS PKWY. DALLAS, TEXAS 75254 (214) 357-6181 WWW.PEERLESSMFG.COM		CUST: ROLLS-ROYCE PROJ: HOWARD M. DOWN GENERATING STATION/VINELAND LOCATION: VINELAND, NJ.	
				SCALE: 1"=1'-0" DATE: 5/10/10 P.O. NO: 5000959784	TITLE: REACTOR HOUSING FIELD SEAM LINER DETAILS
		THIS DRAWING IS THE SOLE PROPERTY OF PEERLESS MFG. COMPANY AND SHALL NOT BE REPRODUCED, COPIED, LOANED, ALTERED, NOR USED FOR ANY PURPOSE OTHER THAN THAT FOR WHICH IT IS FURNISHED EXCEPT WITH THE WRITTEN PERMISSION OF PEERLESS MFG. COMPANY.		DRN BY: RTZ/J SO NO 204107 CHK'D: - DWG NO 282700-5 P.E.: GA REV. 1	
1	REVISE F-507, 508, 509, 510, 511, 512	MP	Z/J	1/7/11	
0	RELEASED FOR FABRICATION	MP	Z/J	12/3/10	
REV	DESCRIPTION	CK	BY	DATE	

8 7 6 5 4 3 2 1



DETAIL ITEM F-520
QTY. (2) EA.

DETAIL ITEM F-521
QTY. (1) EA.

DETAIL ITEM F-522
QTY. (2) EA.

DETAIL ITEM F-523
QTY. (2) EA.

DETAIL ITEM F-524 ^Δ
QTY. (2) EA.

DETAIL ITEM F-525 ^Δ
QTY. (1) EA.

DETAIL ITEM F-526 ^Δ
QTY. (2) EA.


DETAIL ITEM F-527 ^Δ
QTY. (2) EA.

DETAIL ITEM F-531
QTY. (6) EA.

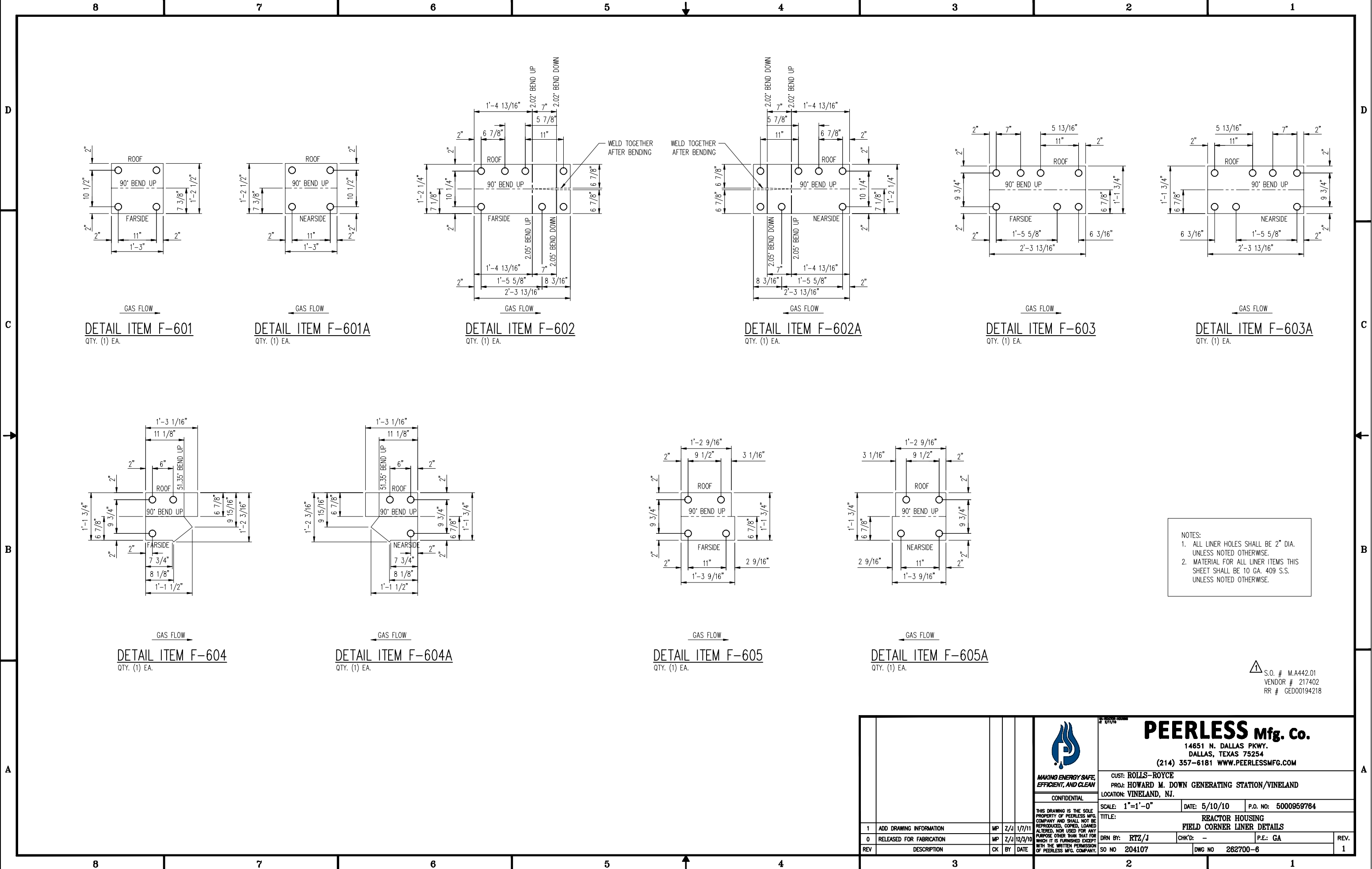
DETAIL ITEM F-532
QTY. (6) EA.

NOTES:
1. ALL LINER HOLES SHALL BE 2" DIA. UNLESS NOTED OTHERWISE.
2. MATERIAL FOR ALL LINER ITEMS THIS SHEET SHALL BE 10 GA. 409 S.S. UNLESS NOTED OTHERWISE.

^Δ S.O. # M.A442.01
VENDOR # 217402
RR # GED00194218


 PEERLESS Mfg. Co. 14651 N. DALLAS PKWY. DALLAS, TEXAS 75254 (214) 357-6181 WWW.PEERLESSMFG.COM		CUST: ROLLS-ROYCE PROJ: HOWARD M. DOWN GENERATING STATION/VINELAND LOCATION: VINELAND, NJ.	
		SCALE: 1"=1'-0" DATE: 5/10/10 P.O. NO: 5000959764	TITLE: REACTOR HOUSING FIELD SEAM LINER DETAILS
DRN BY: RTZ/J SO NO 204107		CHK'D: - DWG NO 262700-5A	P.E.: GA REV. 1

1	REVISE ITEMS F-424, 425, 426 & 427	MP	Z/J	1/7/11
0	RELEASED FOR FABRICATION	MP	Z/J	12/3/10
REV	DESCRIPTION	CK	BY	DATE



NOTES:
 1. ALL LINER HOLES SHALL BE 2" DIA. UNLESS NOTED OTHERWISE.
 2. MATERIAL FOR ALL LINER ITEMS THIS SHEET SHALL BE 10 GA. 409 S.S. UNLESS NOTED OTHERWISE.

△ S.O. # M.A442.01
 VENDOR # 217402
 RR # GED00194218



PEERLESS Mfg. Co.
 14651 N. DALLAS PKWY.
 DALLAS, TEXAS 75254
 (214) 357-6181 WWW.PEERLESSMFG.COM

CUST: ROLLS-ROYCE
 PROJ: HOWARD M. DOWN GENERATING STATION/VINELAND
 LOCATION: VINELAND, NJ.

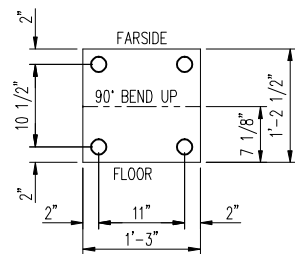
SCALE: 1"=1'-0" DATE: 5/10/10 P.O. NO: 5000959784

TITLE: REACTOR HOUSING FIELD CORNER LINER DETAILS

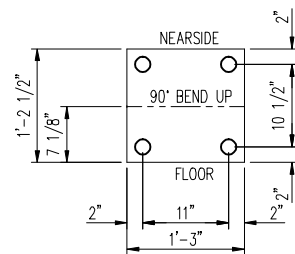
DRN BY: RTZ/J CHK'D: - P.E.: GA REV. 1

SO NO 204107 DWG NO 282700-6

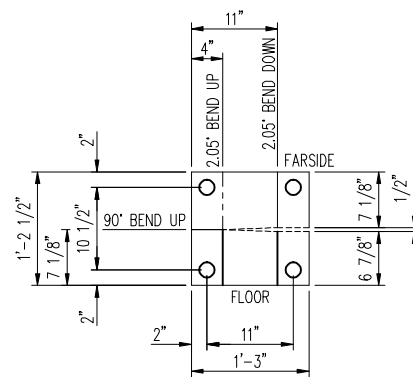
REV	DESCRIPTION	CK	BY	DATE
1	ADD DRAWING INFORMATION	MP	Z/J	1/7/11
0	RELEASED FOR FABRICATION	MP	Z/J	12/3/10



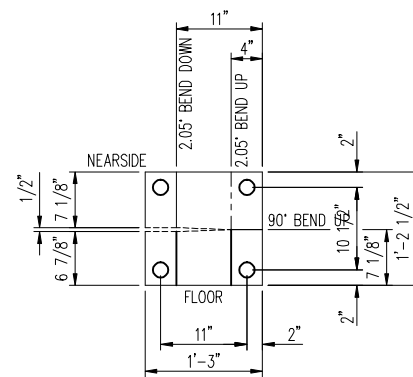
DETAIL ITEM F-606
QTY. (1) EA.



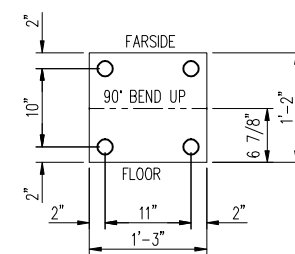
DETAIL ITEM F-606A
QTY. (1) EA.



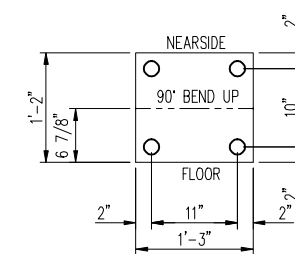
DETAIL ITEM F-607
QTY. (1) EA.



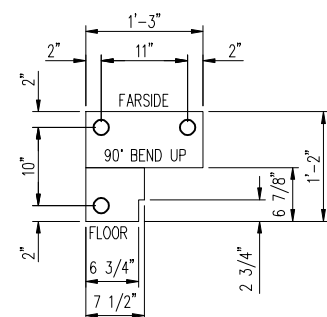
DETAIL ITEM F-607A
QTY. (1) EA.



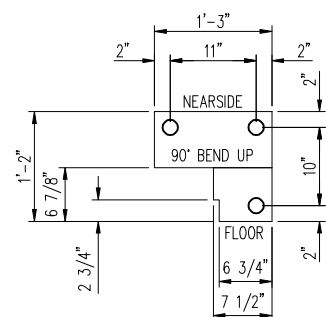
DETAIL ITEM F-608
QTY. (1) EA.



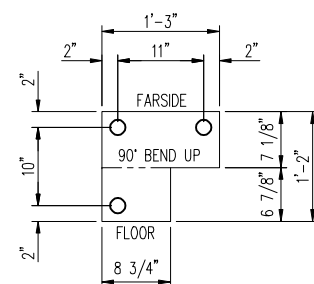
DETAIL ITEM F-608A
QTY. (1) EA.



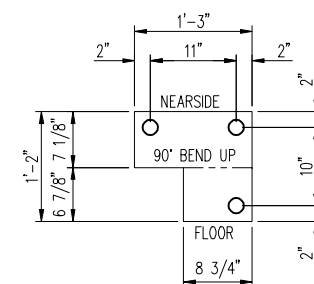
DETAIL ITEM F-609
QTY. (1) EA.



DETAIL ITEM F-609A
QTY. (1) EA.



DETAIL ITEM F-610
QTY. (1) EA.



DETAIL ITEM F-610A
QTY. (1) EA.

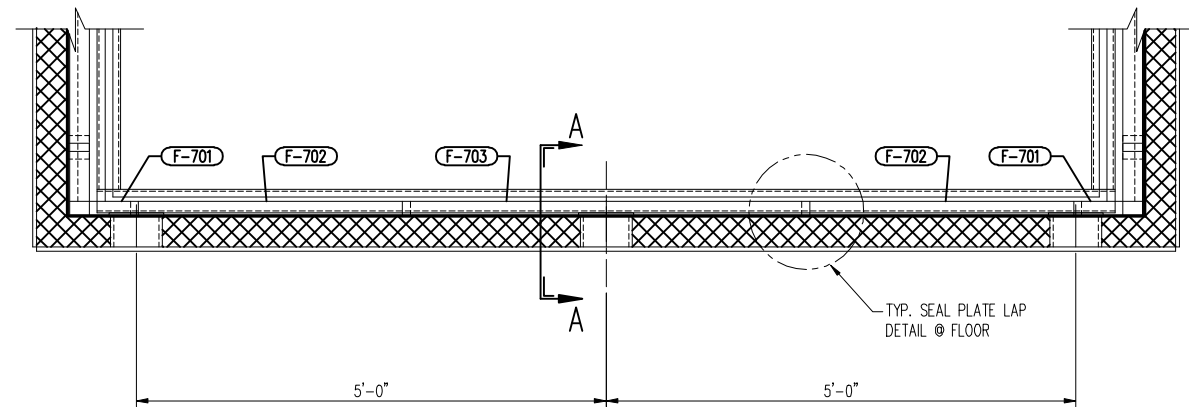
NOTES:
1. ALL LINER HOLES SHALL BE 2" DIA. UNLESS NOTED OTHERWISE.
2. MATERIAL FOR ALL LINER ITEMS THIS SHEET SHALL BE 10 GA. 409 S.S. UNLESS NOTED OTHERWISE.

S.O. # M.A442.01
VENDOR # 217402
RR # GED00194218

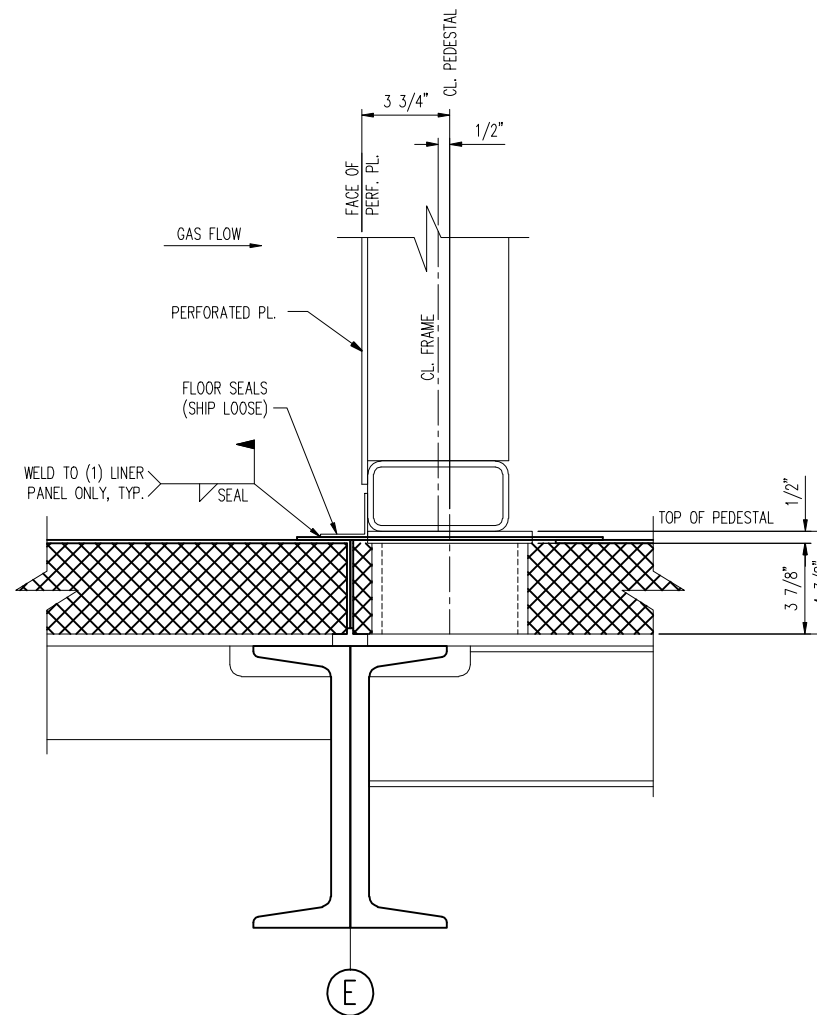


PEERLESS Mfg. Co. 14651 N. DALLAS PKWY. DALLAS, TEXAS 75254 (214) 357-6181 WWW.PEERLESSMFG.COM	
CUST: ROLLS-ROYCE PROJ: HOWARD M. DOWN GENERATING STATION/VINELAND LOCATION: VINELAND, NJ.	
SCALE: 1"=1'-0"	DATE: 5/10/10
P.O. NO: 5000959784	
TITLE: REACTOR HOUSING FIELD CORNER LINER DETAILS	
DRN BY: RTZ/J	CHK'D: -
P.E.: GA	
SO NO: 204107	DWG NO: 282700-6A
REV	1

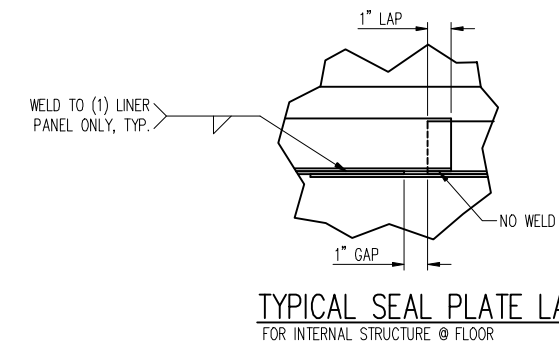
1	ADD DRAWING INFORMATION	MP	Z/J	1/7/11
0	RELEASED FOR FABRICATION	MP	Z/J	12/3/10
REV	DESCRIPTION	CK	BY	DATE



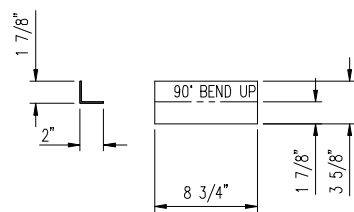
PERFORATED PLATE FRAME
LOOKING DOWNSTREAM



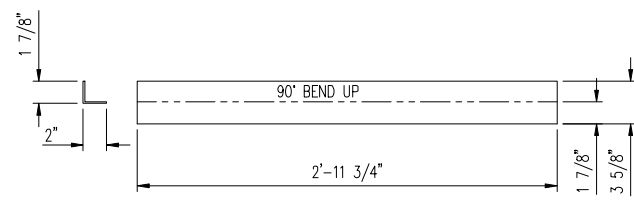
SECTION "A-A"



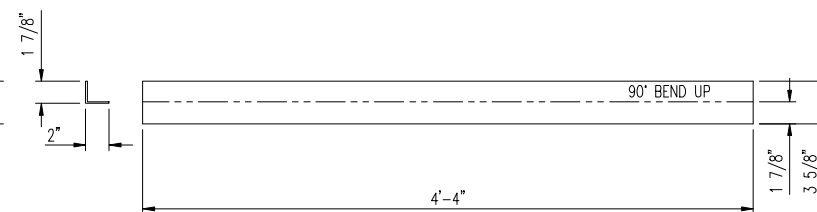
TYPICAL SEAL PLATE LAP
FOR INTERNAL STRUCTURE @ FLOOR



DETAIL ITEM F-701
SCALE: 1.5X
QTY. (2) EA.




DETAIL ITEM F-702
SCALE: 1.5X
QTY. (2) EA.



DETAIL ITEM F-703
SCALE: 1.5X
QTY. (1) EA.

△ S.O. # M.A442.01
VENDOR # 217402
RR # GED00194218



PEERLESS Mfg. Co.
14651 N. DALLAS PKWY.
DALLAS, TEXAS 75254
(214) 357-6181 WWW.PEERLESSMFG.COM

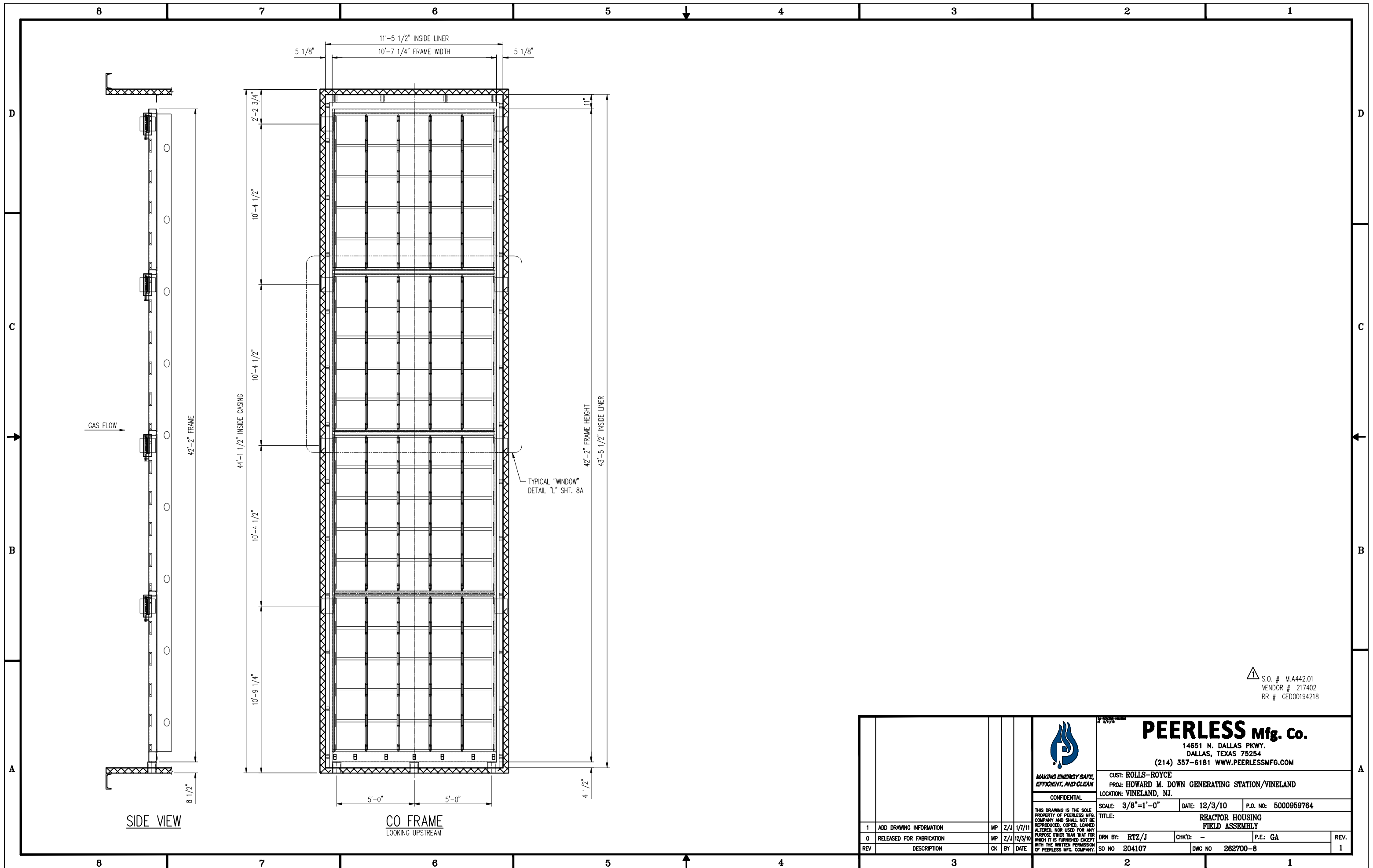
MAKING ENERGY SAFE, EFFICIENT, AND CLEAN

CONFIDENTIAL

THIS DRAWING IS THE SOLE PROPERTY OF PEERLESS MFG. COMPANY AND SHALL NOT BE REPRODUCED, COPIED, LOANED, ALTERED, NOR USED FOR ANY PURPOSE OTHER THAN THAT FOR WHICH IT IS FURNISHED EXCEPT WITH THE WRITTEN PERMISSION OF PEERLESS MFG. COMPANY.

CUST: ROLLS-ROYCE		DATE: 5/10/10		P.O. NO: 5000959784	
PROJ: HOWARD M. DOWN GENERATING STATION/VINELAND					
LOCATION: VINELAND, NJ.					
TITLE: REACTOR HOUSING PERFORATED PLATE SEAL LINER DETAILS					
DRN BY: RTZ/J	CHK'D: -	P.E.: GA		REV. 1	
SO NO 204107	DWG NO 282700-7				

REV	DESCRIPTION	CK	BY	DATE
1	ADD DRAWING INFORMATION	MP	Z/J	1/7/11
0	RELEASED FOR FABRICATION	MP	Z/J	12/3/10



S.O. # M.A442.01
 VENDOR # 217402
 RR # GED00194218



**MAKING ENERGY SAFE,
 EFFICIENT, AND CLEAN**

CONFIDENTIAL

THIS DRAWING IS THE SOLE
 PROPERTY OF PEERLESS MFG.
 COMPANY AND SHALL NOT BE
 REPRODUCED, COPIED, LOANED,
 ALTERED, NOR USED FOR ANY
 PURPOSE OTHER THAN THAT FOR
 WHICH IT IS FURNISHED EXCEPT
 WITH THE WRITTEN PERMISSION
 OF PEERLESS MFG. COMPANY.

PEERLESS Mfg. Co.
 14651 N. DALLAS PKWY.
 DALLAS, TEXAS 75254
 (214) 357-6181 WWW.PEERLESSMFG.COM

CUST: ROLLS-ROYCE
 PROJ: HOWARD M. DOWN GENERATING STATION/VINELAND
 LOCATION: VINELAND, NJ.

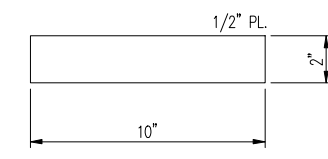
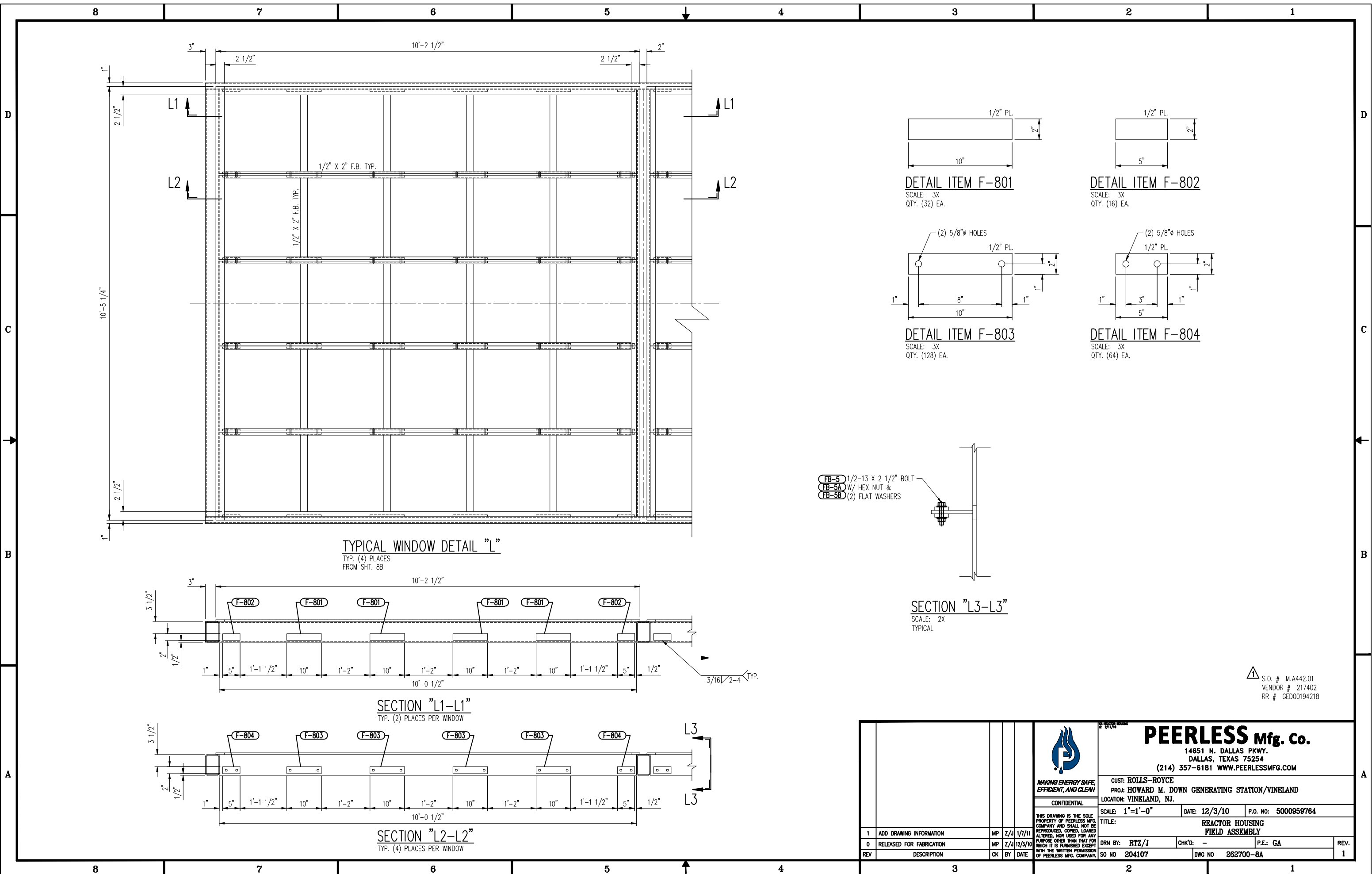
SCALE: 3/8"=1'-0" DATE: 12/3/10 P.O. NO: 5000959784

TITLE: REACTOR HOUSING
 FIELD ASSEMBLY

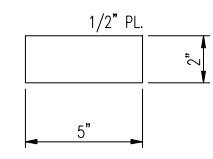
DRN BY: RTZ/J CHK'D: - P.E.: GA REV.

SO NO 204107 DWG NO 282700-8 1

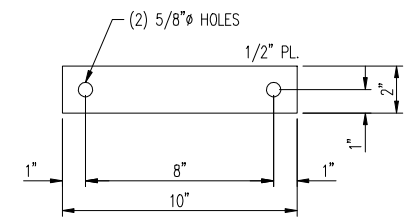
REV	DESCRIPTION	CK	BY	DATE
1	ADD DRAWING INFORMATION	MP	Z/J	1/7/11
0	RELEASED FOR FABRICATION	MP	Z/J	12/3/10



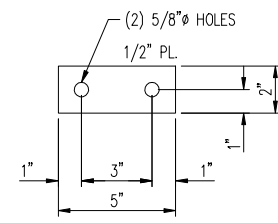
DETAIL ITEM F-801
SCALE: 3X
QTY. (32) EA.



DETAIL ITEM F-802
SCALE: 3X
QTY. (16) EA.

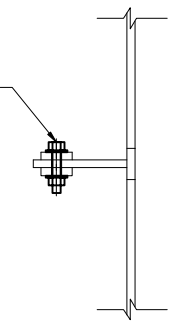


DETAIL ITEM F-803
SCALE: 3X
QTY. (128) EA.



DETAIL ITEM F-804
SCALE: 3X
QTY. (64) EA.

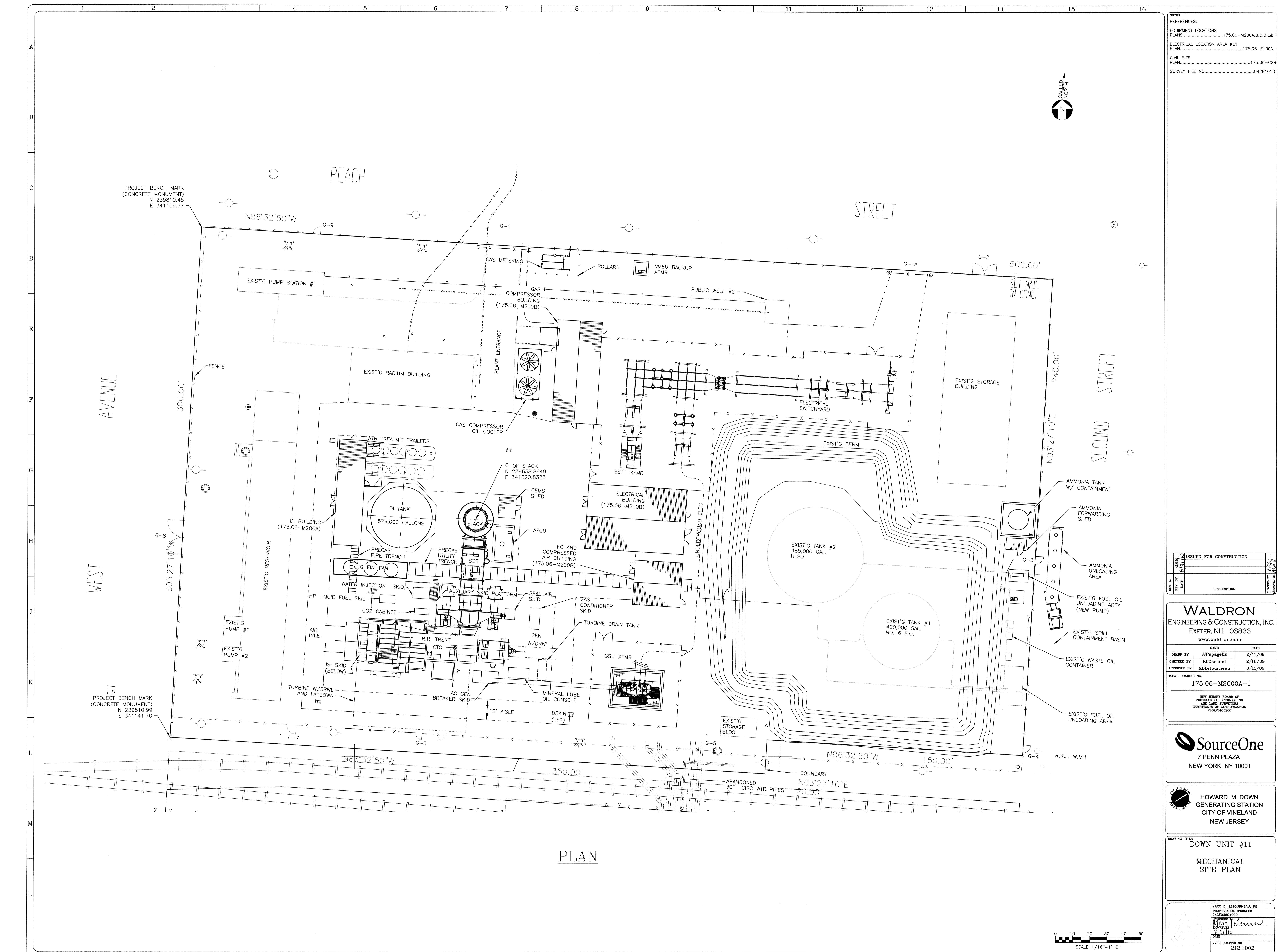
- FB-5 1/2-13 X 2 1/2" BOLT
- FB-5A W/ HEX NUT &
- FB-5B (2) FLAT WASHERS



SECTION "L3-L3"
SCALE: 2X
TYPICAL

△ S.O. # M.A442.01
VENDOR # 217402
RR # GED00194218

<p>PEERLESS Mfg. Co. 14651 N. DALLAS PKWY. DALLAS, TEXAS 75254 (214) 357-6181 WWW.PEERLESSMFG.COM</p>		CUST: ROLLS-ROYCE		
		PROJ: HOWARD M. DOWN GENERATING STATION/VINELAND		
CONFIDENTIAL		SCALE: 1"=1'-0"	DATE: 12/3/10	P.O. NO: 5000959784
THIS DRAWING IS THE SOLE PROPERTY OF PEERLESS MFG. COMPANY AND SHALL NOT BE REPRODUCED, COPIED, LOANED, ALTERED, NOR USED FOR ANY PURPOSE OTHER THAN THAT FOR WHICH IT IS FURNISHED EXCEPT WITH THE WRITTEN PERMISSION OF PEERLESS MFG. COMPANY.		TITLE: REACTOR HOUSING FIELD ASSEMBLY		
1	ADD DRAWING INFORMATION	MP	Z/J	1/7/11
0	RELEASED FOR FABRICATION	MP	Z/J	12/3/10
REV	DESCRIPTION	CK	BY	DATE
SO NO 204107		DWG NO 282700-8A		
		P.E.: GA		REV. 1



PLAN

NOTES:
 REFERENCES:
 EQUIPMENT LOCATIONS175.06-M200A,B,C,D,E&F
 PLANS.....
 ELECTRICAL LOCATION AREA KEY175.06-E100A
 PLAN.....
 CIVIL SITE175.06-C2B
 PLAN.....
 SURVEY FILE NO.....04281010

ISSUED FOR CONSTRUCTION	DATE
1	2/11/09
REVISION	DESCRIPTION

WALDRON
 ENGINEERING & CONSTRUCTION, INC.
 EXETER, NH 03833
 www.waldron.com

NAME	DATE
DRWN BY JJPapelis	2/11/09
CHKD BY REGarland	2/18/09
APPRD BY MDLourneau	3/11/09

W.E.A.C. DRAWING No.
 175.06-M2000A-1

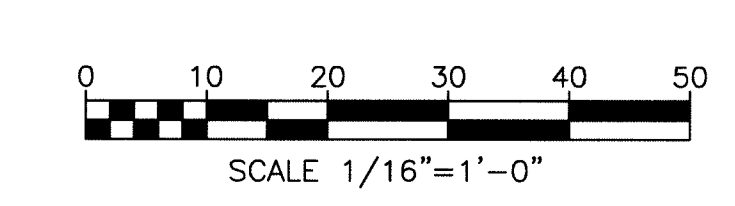
NEW JERSEY BOARD OF PROFESSIONAL ENGINEERING AND LAND SURVEYORS
 CERTIFICATE OF AUTHORIZATION
 24628105200

SourceOne
 7 PENN PLAZA
 NEW YORK, NY 10001

HOWARD M. DOWN
 GENERATING STATION
 CITY OF VINELAND
 NEW JERSEY

DRAWING TITLE
 DOWN UNIT #11
 MECHANICAL
 SITE PLAN

MARC D. LETOURNEAU, P.E.
 PROFESSIONAL ENGINEER
 24628105200
 ENGINEER OF RECORD
 DATE: 2/11/09
 W.E.A.C. DRAWING NO.
 212.1002



Proposal Form AIG Engineering and Testing

PROPOSAL PRICING

BASE PRICING	
WORK	PRICE
AIG Engineering Services	
AIG Fabrication Technical Support	
AIG Demolition and Installation Technical Support	
SCR Traverse Testing and AIG Tuning	
TOTAL	

ADDITIONAL DAILY PRICING	
WORK	PRICE/day
AIG Fabrication Inspection	
AIG Demolition and Installation Oversight	
SCR Traverse Testing and AIG Tuning	

WORK TIMELINE

WORK	Time to Complete
AIG Engineering Services	

Bidding Company _____

EXHIBIT A

MANDATORY EQUAL EMPLOYMENT OPPORTUNITY LANGUAGE N.J.S.A. 10:5-31 et seq. (P.L. 1975, c. 127) N.J.A.C. 17:27 et seq.

GOODS, GENERAL SERVICE AND PROFESSIONAL SERVICES CONTRACTS

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

The contractor or subcontractor, where applicable, will not discriminate against any employee or applicant for employment because of age, race, creed, color, national origin, ancestry, marital status, affectional or sexual orientation, gender identity or expression, disability, nationality or sex. Except with respect to affectional or sexual orientation and gender identity or expression, the contractor will ensure that equal employment opportunity is afforded to such applicants in recruitment and employment, and that employees are treated during employment, without regard to their age, race, creed, color, national origin, ancestry, marital status, affectional or sexual orientation, gender identity or expression, disability, nationality or sex. Such equal employment opportunity shall include, but not be limited to the following: employment, upgrading, demotion, or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship. The contractor agrees to post in conspicuous places, available to employees and applicants for employment, notices to be provided by the Public Agency Compliance Officer setting forth provisions of this nondiscrimination clause.

The contractor or subcontractor, where applicable will, in all solicitations or advertisements for employees placed by or on behalf of the contractor, state that all qualified applicants will receive consideration for employment without regard to age, race, creed, color, national origin, ancestry, marital status, affectional or sexual orientation, gender identity or expression, disability, nationality or sex.

The contractor or subcontractor will send to each labor union, with which it has a collective bargaining agreement, a notice, to be provided by the agency contracting officer, advising the labor union of the contractor's commitments under this chapter and shall post copies of the notice in conspicuous places available to employees and applicants for employment.

The contractor or subcontractor, where applicable, agrees to comply with any regulations promulgated by the Treasurer pursuant to N.J.S.A. 10:5-31 et seq., as amended and supplemented from time to time and the Americans with Disabilities Act.

The contractor or subcontractor agrees to make good faith efforts to meet targeted county employment goals established in accordance with N.J.A.C. 17:27-5.2.

The contractor or subcontractor agrees to inform in writing its appropriate recruitment agencies including, but not limited to, employment agencies, placement bureaus, colleges, universities, and labor unions, that it does not discriminate on the basis of age, race, creed, color, national origin, ancestry, marital status, affectional or sexual orientation, gender identity or expression, disability, nationality or sex, and that it will discontinue the use of any recruitment agency which engages in direct or indirect discriminatory practices.

The contractor or subcontractor agrees to revise any of its testing procedures, if necessary, to assure that all personnel testing conforms with the principles of job related testing, as established by the statutes and court decisions of the State of New Jersey and as established by applicable Federal law and applicable Federal court decisions.

In conforming with the targeted employment goals, the contractor or subcontractor agrees to review all procedures relating to transfer, upgrading, downgrading and layoff to ensure that all such actions are taken without regard to age, race, creed, color, national origin, ancestry, marital status, affectional or sexual orientation, gender identity or expression, disability, nationality or sex, consistent with the statutes and court decisions of the State of New Jersey, and applicable Federal law and applicable Federal court decisions.

The contractor shall submit to the public agency, after notification of award but prior to execution of a goods and services contract, one of the following three documents:

Letter of Federal Affirmative Action Plan Approval;

Certificate of Employee Information Report; or

Employee Information Report Form AA302 (electronically provided by the Division and distributed to the public agency through the Division's website at http://www.state.nj.us/treasury/contract_compliance).

The contractor and its subcontractors shall furnish such reports or other documents to the Division of Purchase and Property, CCAU, EEO Monitoring Program as may be requested by the office from time to time in order to carry out the purposes of these regulations, and public agencies shall furnish such information as may be requested by the Division of Purchase and Property, CCAU, EEO Monitoring Program for conducting a compliance investigation pursuant to **N.J.A.C. 17:27-1 et seq.**

**AMERICANS WITH DISABILITIES ACT OF
1990
Equal Opportunity for Individuals with
Disability**

The contractor and the City of Vineland, (hereafter "City") do hereby agree that the provisions of Title 11 of the Americans with Disabilities Act of 1990 (the "Act") (42 U.S.C. SJ 21 01 et seq.), which prohibits discrimination on the basis of disability by public entities in all services, programs, and activities provided or made available by public entities, and the rules and regulations promulgated pursuant there unto, are made a part of this contract. In providing any aid, benefit, or service on behalf of the City pursuant to this contract, the contractor agrees that the performance shall be in strict compliance with the Act. In the event that the contractor, its agents, servants, employees, or subcontractors violate or are alleged to have violated the Act during the performance of this contract, the contractor shall defend the City in any action or administrative proceeding commenced pursuant to this Act. The contractor shall indemnify, protect, and save harmless the City, its agents, servants, and employees from and against any and all suits, claims, losses, demands, or damages, of whatever kind or nature arising out of or claimed to arise out of the alleged violation. The contractor shall, at its own expense, appear, defend, and pay any and all charges for legal services and any and all costs and other expenses arising from such action or administrative proceeding or incurred in connection therewith. In any and all complaints brought pursuant to the City's grievance procedure, the contractor agrees to abide by any decision of the City which is rendered pursuant to said grievance procedure. If any action or administrative proceeding results in an award of damages against the City, or if the City incurs any expense to cure a violation of the ADA which has been brought pursuant to its grievance procedure, the contractor shall satisfy and discharge the same at its own expense.

The City shall, as soon as practicable after a claim has been made against it, give written notice thereof to the contractor along with full and complete particulars of the claim, if any action or administrative proceeding is brought against the City or any of its agents, servants, and employees, the City shall expeditiously forward or have forwarded to the contractor every demand, complaint, notice, summons, pleading, or other process received by the City or its representatives.

It is expressly agreed and understood that any approval by the City of the services provided by the contractor pursuant to this contract will not relieve the contractor of the obligation to comply with the Act and to defend, indemnify, protect, and save harmless the City pursuant to this paragraph.

It is further agreed and understood that the City assumes no obligation to indemnify or save harmless the contractor, its agents, servants, employees and subcontractors for any claim which may arise out of their performance of this Agreement. Furthermore, the contractor expressly understands and agrees that the provisions of this indemnification clause shall in no way limit the contractor's obligations assumed in this Agreement, nor shall they be construed to relieve the contractor from any liability, nor preclude the City from taking any other actions available to it under any other provisions of the Agreement or otherwise at law.

**NEW JERSEY ANTI-DISCRIMINATION PROVISIONS
NJ.S.A.10:2-1 ET SEQ.**

Pursuant to NJ.S.A. 10:2-1, if awarded a contract, the contractor agrees that:

- A. In the hiring of persons for the performance of work under this contract or any subcontract hereunder, or for the procurement, manufacture, assembling or furnishing of any such materials, equipment, supplies or services to be acquired under this contract, no contractor, nor any person acting on behalf of such contractor or subcontractor, shall, by reason of race, creed, color, national origin, ancestry, marital status, gender identity or expression, affectional or sexual orientation or sex, discriminate against any person who is qualified and available to perform the work to which the employment relates;
- B. No contractor, subcontractor, nor any person on his behalf shall, in any manner, discriminate against or intimidate any employee engaged in the performance of work under this contract or any subcontract hereunder, or engaged in the procurement, manufacture, assembling or furnishing of any such materials, equipment, supplies or services to be acquired under such contract, on account of race, creed, color, national origin, ancestry, marital status, gender identity or expression, affectional or sexual orientation or sex;
- C. There may be deducted from the amount payable to the contractor by the contracting public agency, under this contract, a penalty of \$50.00 for each person for each calendar day during which such person is discriminated against or intimidated in violation of the provisions of the contract; and
- D. This contract may be canceled or terminated by the contracting public agency, and all money due or to become due hereunder may be forfeited, for any violation of this section of the contract occurring after notice to the contractor from the contracting public agency of any prior violation of this section of the contract.

City of Vineland

Revised Contract Language for BRC Compliance

Goods and Services Contracts (including Purchase Orders)

*Construction Contracts (including Public Works related Purchase Orders)

N.J.S.A. 52:32-44 imposes the following requirements on contractors and all subcontractors that knowingly provide goods or perform services for a contractor fulfilling this contract:

1. The contractor shall provide written notice to its subcontractors and suppliers to submit proof of business registration to the contractor;
2. Subcontractors through all tiers of a project must provide written notice to their subcontractors and suppliers to submit proof of business registration and subcontractors shall collect such proofs of business registration and maintain them on file;
3. Prior to receipt of final payment from a contracting agency, a contractor must submit to the contracting agency an accurate list of all subcontractors and suppliers or attest that none was used;
4. During the term of this contract, the contractor and its affiliates shall collect and remit and shall notify all subcontractors and their affiliates that they must collect and remit to the Director, New Jersey Division of Taxation, the use tax due pursuant to the Sales and Use Tax Act, (N.J.S.A. 54:32B-1 et seq.) on all sale of tangible personal property delivered into this State.

Pursuant to J.J.S.A. 54:49-4.1, a business organization that fails to provide a copy of a business registration as required, or that provides false business registration information, shall be liable for a penalty of \$25 for each day of violation, not to exceed \$50,000, for each proof of business registration not properly provided under a contract with a contracting agency. Information on the law and its requirements is available by calling (609) 292-9292.

NEW JERSEY BUSINESS REGISTRATION

Pursuant to P.L. 2004, c.57, all consultants (both in-state and out-of-state) must obtain a Business Registration Certificate (BRC) from the New Jersey Department of the Treasury, Division of Revenue prior to conducting business with the NJTPA. A consultant or sub-consultant who fails to submit a copy of a valid BRC in accordance with the statute will be held liable for monetary penalties in accordance with N.J.S.A. 54:49-4.1. Questions regarding how to obtain a BRC can be directed to the New Jersey Division of Revenue at (609) 292-1730. The business registration form (Form NJ-REG) can be found online at:

<http://www.state.nj.us/treasury/revenue/busregcert.shtml> or

<http://www.state.nj.us/treasury/revenue/gettingregistered.shtml>

Sample New Jersey Registration Certificates:

STATE OF NEW JERSEY BUSINESS REGISTRATION CERTIFICATE		DEPARTMENT OF TREASURY/ DIVISION OF REVENUE PO BOX 252 TRENTON, N J 08646-0252
TAXPAYER NAME:	TRADE NAME:	
TAXPAYER IDENTIFICATION#:	SEQUENCE NUMBER:	
ADDRESS:	ISSUANCE DATE:	
EFFECTIVE DATE:	<i>John S. Tully</i> Acting Director	
FORM-BRC(08-01)	This Certificate is NOT assignable or transferable. It must be conspicuously displayed at above address.	

STATE OF NEW JERSEY BUSINESS REGISTRATION CERTIFICATE	
Taxpayer Name:	TAX REG TEST ACCOUNT
Trade Name:	
Address:	847 ROEBLING AVE TRENTON, NJ 08611
Certificate Number:	1093907
Date of Issuance:	October 14, 2004
For Office Use Only:	
	20041014112823533

**PLEASE USE THE
FOLLOWING DOCUMENTS
WHEN SUBMITTING YOUR
PROPOSALS.**

PROPOSAL DOCUMENT
COV RFP 2026-12

TO THE COUNCIL OF THE CITY OF VINELAND:

The undersigned declares that he/she has read the Notice, Instructions, Affidavits, and Scope of Services attached, that he/she has determined the conditions affecting the proposal, and agrees, if this proposal is accepted, to provide the materials and services described and proposed herein, for the following:

Name of Service: _____
(Print Name of Service)

RFP SUBMITTED FOR:

COMPANY: _____

ADDRESS: _____

RFP SUBMITTED BY: _____
(Please Print Name)

SIGNATURE: _____

TITLE: _____ DATE: _____

EMAIL ADDRESS: _____

TELEPHONE: _____ FACSIMILE: _____

TAXPAYER IDENTIFICATION NUMBER: _____

EMAIL: _____

By submitting and signing this RFP, we certify that we are familiar with all conditions and requirements of this RFP.

PROPOSAL CHECKLIST

COV RFP 2026-12

The following checklist is provided as assistance to the development of the RFP response. It in no way supersedes or replaces the requirements of the RFP. Please initial on the lines below for each document/section attesting to the fact that you have read and/or included the documents with your RFP.

- General Requirements/Instructions _____
- Scope of Work _____
- Proposal requirements _____
- Evaluation Criteria _____
- Acknowledgment of Receipt of Addenda _____
- Statement of Ownership Disclosure _____
- Statement of Authority _____
- EEO/Affirmative Action Compliance Notice _____
- Affirmative Action Mandatory Language _____
- Americans with Disabilities Act Mandatory Language _____
- Disclosure of Investment Activities in Iran _____
- Prohibited Activities in Russia or Belarus _____
- Non-Collusion Affidavit _____

STATEMENT OF AUTHORITY

COV RFP 2026-12

RFP SUBMITTED FOR:

COMPANY: _____

ADDRESS: _____

RFP SUBMITTED BY: _____

(Print Name of Company Officer)

SIGNATURE: _____

(Signature of Company Officer)***

TITLE: _____ DATE: _____

TELEPHONE: _____ EXT: _____

FACSIMILE: _____

EMAIL ADDRESS: _____

TAXPAYER IDENTIFICATION NUMBER: _____

***** The RFP must be signed by a Company Officer in order to be accepted by the City as a valid RFP. Failure to sign the RFP shall cause the RFP submission to be rejected as non-responsive.**

STATEMENT OF OWNERSHIP DISCLOSURE

N.J.S.A. 52:25-24.2 (P.L. 1977, c.33, as amended by P.L. 2016, c.43)

This statement shall be completed, certified to, and included with all bid and proposal submissions. Failure to submit the required information is cause for automatic rejection of the bid or proposal.

Name of Organization: _____

Organization Address: _____

Part I

Check the box that represents the type of business organization:

- Sole Proprietorship (skip Parts II and III, execute certification in Part IV)
- Non-Profit Corporation (skip Parts II and III, execute certification in Part IV)
- For-Profit Corporation (any type)
- Limited Liability Company (LLC)
- Partnership
- Limited Partnership
- Limited Liability Partnership (LLP)
- Other (be specific): _____

Part II

- The list below contains the names and addresses of all stockholders in the corporation who own 10 percent or more of its stock, of any class, or of all individual partners in the partnership who own a 10 percent or greater interest therein, or of all members in the limited liability company who own a 10 percent or greater interest therein, as the case may be. **(COMPLETE THE LIST BELOW IN THIS SECTION)**

OR

- No one stockholder in the corporation owns 10 percent or more of its stock, of any class, or no individual partner in the partnership owns a 10 percent or greater interest therein, or no member in the limited liability company owns a 10 percent or greater interest therein, as the case may be. **(SKIP TO PART IV)**

(Please attach additional sheets if more space is needed):

Name of Individual or Business Entity	Address

Part III

DISCLOSURE OF 10% OR GREATER OWNERSHIP IN THE STOCKHOLDERS, PARTNERS OR LLC MEMBERS LISTED IN PART II

If a bidder has a direct or indirect parent entity which is publicly traded, and any person holds a 10 percent or greater beneficial interest in the publicly traded parent entity as of the last annual federal Security and Exchange Commission (SEC) or foreign equivalent filing, ownership disclosure can be met by providing links to the website(s) containing the last annual filing(s) with the federal Securities and Exchange Commission (or foreign equivalent) that contain the name and address of each person holding a 10% or greater beneficial interest in the publicly traded parent entity, along with the relevant page numbers of the filing(s) that contain the information on each such person. **Attach additional sheets if more space is needed.**

Website (URL) containing the last annual SEC (or foreign equivalent) filing	Page #'s

Please list the names and addresses of each stockholder, partner or member owning a 10 percent or greater interest in any corresponding corporation, partnership and/or limited liability company (LLC) listed in Part II **other than for any publicly traded parent entities referenced above**. The disclosure shall be continued until names and addresses of every noncorporate stockholder, and individual partner, and member exceeding the 10 percent ownership criteria established pursuant to N.J.S.A. 52:25-24.2 has been listed. **Attach additional sheets if more space is needed.**

Stockholder/Partner/Member and Corresponding Entity Listed in Part II	Address

**Part IV
Certification**

I, being duly sworn upon my oath, hereby represent that the foregoing information and any attachments thereto to the best of my knowledge are true and complete. I acknowledge: that I am authorized to execute this certification on behalf of the bidder/proposer; that the _____ is relying on the information contained herein and that I am under a continuing obligation from the date of this certification through the completion of any contracts with _____ to notify the _____ in writing of any changes to the information contained herein; that I am aware that it is a criminal offense to make a false statement or misrepresentation in this certification, and if I do so, I am subject to criminal prosecution under the law and that it will constitute a material breach of my agreement(s) with the, permitting the _____ to declare any contract(s) resulting from this certification void and unenforceable.

Full Name (Print):		Title:	
Signature:		Date:	

**AFFIRMATIVE ACTION COMPLIANCE NOTICE
N.J.S.A. 10:5-31 and N.J.A.C. 17:27**

**GOODS AND SERVICES CONTRACTS
(INCLUDING PROFESSIONAL SERVICES)**

This form is a summary of the successful bidder's requirement to comply with the requirements of N.J.S.A. 10:5-31 and N.J.A.C. 17:27-1 et seq.

The successful bidder shall submit to the public agency, after notification of award but prior to execution of this contract, one of the following three documents as forms of evidence:

(a) A photocopy of a valid letter that the contractor is operating under an existing Federally approved or sanctioned affirmative action program (good for one year from the date of the letter);

OR

(b) A photocopy of a Certificate of Employee Information Report approval, issued in accordance with N.J.A.C. 17:27-4;

OR

(c) A photocopy of an Employee Information Report (Form AA302) provided by the Division and distributed to the public agency to be completed by the contractor in accordance with N.J.A.C. 17:27-4.

The successful vendor may obtain the Affirmative Action Employee Information Report (AA302) from the contracting unit during normal business hours.

The successful vendor(s) must submit the copies of the AA302 Report to the Division of Contract Compliance and Equal Employment Opportunity in Public Contracts (Division). The Public Agency copy is submitted to the public agency, and the vendor copy is retained by the vendor.

The undersigned vendor certifies that he/she is aware of the commitment to comply with the requirements of N.J.S.A. 10:5-31 and N.J.A.C. 17:27.1 et seq. and agrees to furnish the required forms of evidence.

The undersigned vendor further understands that his/her bid shall be rejected as non-responsive if said contractor fails to comply with the requirements of N.J.S.A. 10:5-31 and N.J.A.C. 17:27-1 et seq.

COMPANY: _____ SIGNATURE: _____

PRINT NAME: _____ TITLE: _____

DATE: _____

**FAILURE BY BIDDER TO COMPLETE AND RETURN THIS NOTICE WITH THEIR BID SUBMISSION
SHALL BE CAUSE FOR THEIR BID TO BE REJECTED AS NON-RESPONSIVE**

**CITY OF VINELAND
ACKNOWLEDGMENT OF RECEIPT OF ADDENDA**

Pursuant to N.J.S.A. 40A:11-23.1a, the undersigned bidder hereby acknowledges receipt of the following notices, revisions, or addenda to the bid advertisement, specifications or bid documents. By indicating date of receipt, bidder acknowledges the submitted bid takes into account the provisions of notice, revision or addendum. Note that the local unit's record of notice to bidders shall take precedence and that failure to include provisions of changes in a bid proposal may be subject for rejection of the bid.

The undersigned Bidder hereby acknowledges receipt of the following Addenda:

Addendum Number	Dated	Acknowledge Receipt (initial)
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

No addenda were received:

Acknowledged for: _____
(Name of Bidder)

By: _____
(Signature of Authorized Representative)

Name: _____
(Print or Type)

Title: _____

Date: _____



DISCLOSURE OF INVESTMENT ACTIVITIES IN IRAN FORM

STATE OF NEW JERSEY
DEPARTMENT OF THE TREASURY - DIVISION OF PURCHASE AND PROPERTY
33 WEST STATE STREET, P.O. BOX 230 TRENTON, NEW JERSEY 08625-0230

BID SOLICITATION # AND TITLE: _____

VENDOR NAME: _____

Pursuant to N.J.S.A. 52:32-57, et seq. (P.L. 2012, c.25 and P.L. 2021, c.4) any person or entity that submits a bid or proposal or otherwise proposes to enter into or renew a contract must certify that neither the person nor entity, nor any of its parents, subsidiaries, or affiliates, is identified on the New Jersey Department of the Treasury's Chapter 25 List as a person or entity engaged in investment activities in Iran. The Chapter 25 list is found on the Division's website at <https://www.state.nj.us/treasury/purchase/pdf/Chapter25List.pdf>. Vendors/Bidders must review this list prior to completing the below certification. If the Director of the Division of Purchase and Property finds a person or entity to be in violation of the law, s/he shall take action as may be appropriate and provided by law, rule or contract, including but not limited to, imposing sanctions, seeking compliance, recovering damages, declaring the party in default and seeking debarment or suspension of the party.

CHECK THE APPROPRIATE BOX

I certify, pursuant to N.J.S.A. 52:32-57, et seq. (P.L. 2012, c.25 and P.L. 2021, c.4), that neither the Vendor/Bidder listed above nor any of its parents, subsidiaries, or affiliates is listed on the New Jersey Department of the Treasury's Chapter 25 List of entities determined to be engaged in prohibited activities in Iran.

OR

I am unable to certify as above because the Vendor/Bidder and/or one or more of its parents, subsidiaries, or affiliates is listed on the New Jersey Department of the Treasury's Chapter 25 List. I will provide a detailed, accurate and precise description of the activities of the Vendor/Bidder, or one of its parents, subsidiaries or affiliates, has engaged in regarding investment activities in Iran by completing the information requested below.

Entity Engaged in Investment Activities
Relationship to Vendor/ Bidder
Description of Activities

Duration of Engagement
Anticipated Cessation Date

**Attach Additional Sheets If Necessary.*

CERTIFICATION

I, the undersigned, certify that I am authorized to execute this certification on behalf of the Vendor, that the foregoing information and any attachments hereto, to the best of my knowledge are true and complete. I acknowledge that the State of New Jersey is relying on the information contained herein, and that the Vendor is under a continuing obligation from the date of this certification through the completion of any contract(s) with the State to notify the State in writing of any changes to the information contained herein; that I am aware that it is a criminal offense to make a false statement or misrepresentation in this certification. If I do so, I may be subject to criminal prosecution under the law, and it will constitute a material breach of my contract(s) with the State, permitting the State to declare any contract(s) resulting from this certification void and unenforceable.

Signature

Date

Print Name and Title



CERTIFICATION OF NON-INVOLVEMENT IN PROHIBITED ACTIVITIES IN RUSSIA OR BELARUS

Pursuant to N.J.S.A. 52:32-60.1, et seq. ([L. 2022, c. 3](#)) any person or entity (hereinafter “Vendor”) that seeks to enter into or renew a contract with a State agency for the provision of goods or services, or the purchase of bonds or other obligations, must complete the certification below indicating whether or not the Vendor is identified on the Office of Foreign Assets Control (OFAC) Specially Designated Nationals and Blocked Persons list, available here: <https://sanctionssearch.ofac.treas.gov/>. If the Department of the Treasury finds that a Vendor has made a certification in violation of the law, it shall take any action as may be appropriate and provided by law, rule or contract, including but not limited to, imposing sanctions, seeking compliance, recovering damages, declaring the party in default and seeking debarment or suspension of the party.

I, the undersigned, certify that I have read the definition of “Vendor” below, and have reviewed the Office of Foreign Assets Control (OFAC) Specially Designated Nationals and Blocked Persons list, and having done so certify:

(Check the Appropriate Box)

A. That the Vendor is not identified on the [OFAC Specially Designated Nationals and Blocked Persons list on account of activity related to Russia and/or Belarus](#).

OR

B. That I am unable to certify as to “A” above, because the Vendor is identified on the [OFAC Specially Designated Nationals and Blocked Persons list on account of activity related to Russia and/or Belarus](#).

OR

C. That I am unable to certify as to “A” above, because the Vendor is identified on the [OFAC Specially Designated Nationals and Blocked Persons list](#). However, the Vendor is engaged in activity related to Russia and/or Belarus consistent with federal law, regulation, license or exemption. A detailed description of how the Vendor’s activity related to Russia and/or Belarus is consistent with federal law is set forth below.

(Attach Additional Sheets If Necessary.)

Signature of Vendor’s Authorized Representative

Print Name and Title of Vendor’s Authorized Representative

Vendor’s Name

Vendor’s Address (Street Address)

Vendor’s Address (City/State/Zip Code)

Date

Vendor’s FEIN

Vendor’s Phone Number

Vendor’s Fax Number

Vendor’s Email Address

ⁱ Vendor means: (1) A natural person, corporation, company, limited partnership, limited liability partnership, limited liability company, business association, sole proprietorship, joint venture, partnership, society, trust, or any other nongovernmental entity, organization, or group; (2) Any governmental entity or instrumentality of a government, including a multilateral development institution, as defined in Section 1701(c)(3) of the International Financial Institutions Act, 22 U.S.C. 262r(c)(3); or (3) Any parent, successor, subunit, direct or indirect subsidiary, or any entity under common ownership or control with, any entity described in paragraph (1) or (2).

NON-COLLUSION AFFIDAVIT

STATE OF NEW JERSEY

ss

COUNTY OF _____

I, _____ of the City of _____, in the County of _____ and the State of _____, of full age, being duly sworn according to law on my oath depose and say that:

I am _____ of the firm of _____ the bidder making the Proposal for the above named project, and that I executed the said Proposal with full authority so to do; that said bidder has not, directly or indirectly, entered into any agreement, participated in any collusion, or otherwise taken any action in restraint of free, competitive bidding in connection with the above named project; and that all statements contained in said Proposal and in this affidavit are true and correct, and made with full knowledge that the Municipality relies upon the truth of the statements contained in said Proposal and in the statements contained in this affidavit in awarding the contract for the said project.

I further warrant that no person or selling agency has been employed or retained to solicit or secure such contract upon an agreement or understanding for a commission, percentage, brokerage or contingent fee, except bona fide established commercial or selling agencies maintained by

(N.J.S.A. 52:34-15)

(SIGNATURE)

(Also type or print name of affiant under signature)

Subscribed and sworn to before me this

_____ day of _____ 20__

Notary Public of

My Commission Expires _____

COMPANY _____