

<b>SOLICITATION/CONTRACT/ORDER FOR COMMERCIAL ITEMS</b> OFFEROR TO COMPLETE BLOCKS 12, 17, 23, 24, & 30	1. REQUISITION NUMBER 91110 41918914	PAGE 1 OF <b>23</b>
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2. CONTRACT NO.	3. AWARD/EFFECTIVE DATE	4. ORDER NUMBER	5. SOLICITATION NUMBER N65540-04-Q-0530	6. SOLICITATION ISSUE DATE 04-SEP-13
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7. FOR SOLICITATION INFORMATION CALL: <b>LINDA STIEMKE</b>	a. NAME	b. TELEPHONE NUMBER (No Collect Calls) 215-897-1355 215-897-7059 (FAX)	8. OFFER DUE DATE/ LOCAL TIME 04-OCT-04/ 0400 PM
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9. ISSUED BY CONTRACTING OFFICER NSWC CARDEROCK DIVISION 5001 S. BROAD STREET PHILADELPHIA PA 19112-1403 ATTN: LINDA STIEMKE 215-897-1355	CODE	N65540	10. THIS ACQUISITION IS <input type="checkbox"/> UNRESTRICTED <input checked="" type="checkbox"/> SET ASIDE: 100 % FOR <input checked="" type="checkbox"/> SMALL BUSINESS <input type="checkbox"/> SMALL DISADV. BUSINESS <input type="checkbox"/> 8(A) SIC: 3441 SIZE STANDARD: 500	11. DELIVERY FOR FOB DESTINATION UNLESS BLOCK IS MARKED <input type="checkbox"/> SEE SCHEDULE 13a. THIS CONTRACT IS A RATED ORDER UNDER DPAS (15 CFR 700) <input type="checkbox"/>	12. DISCOUNT TERMS
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15. DELIVER TO RECEIVING OFFICER NSWC CARDEROCK DIVISION 1601 LANGLEY AVENUE PHILADELPHIA PA 19112-5051 ATTN: NAVAL BUSINESS CENTER	CODE	N65540	16. ADMINISTERED BY	CODE	N65540
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17a. CONTRACTOR/OFFEROR CODE FACILITY CODE TELEPHONE NO.	CODE	-	18a. PAYMENT WILL BE MADE BY	CODE	-
-------------------------------------------------------------------	------	---	------------------------------	------	---

<input type="checkbox"/> 17b. CHECK IF REMITTANCE IS DIFFERENT AND PUT SUCH ADDRESS IN OFFER	18b. SUBMIT INVOICES TO ADDRESS SHOWN IN BLOCK 18a UNLESS BLOCK BELOW IS CHECKED <input checked="" type="checkbox"/> SEE ADDENDUM
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19. ITEM NO.	20. SCHEDULE OF SUPPLIES/SERVICES	21. QUANTITY	22. UNIT	23. UNIT PRICE	24. AMOUNT
0001	REQ. NO. 91110 /42126584 WELDING PROCEDURE SPECIFICATION (WPS), WELDING PROCEDURE QUALIFICATION RECORD (PQR), WELDER PERFORMANCE QUALIFICATION, AND QUALITY (Attach Additional Sheets as Necessary)	1	LT		

25. ACCOUNTING AND APPROPRIATION DATA	26. TOTAL AWARD AMOUNT (For Govt. Use Only)
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<input checked="" type="checkbox"/> 27a. SOLICITATION INCORPORATES BY REFERENCE FAR 52.212-1, 52.212-4, FAR 52.212-3, AND 52.212-5 ARE ATTACHED. ADDENDA	<input checked="" type="checkbox"/> ARE <input type="checkbox"/> ARE NOT ATTACHED.
<input type="checkbox"/> 27b. CONTRACT/PURCHASE ORDER INCORPORATES BY REFERENCE FAR 52.212-4. FAR 52.212-5 IS ATTACHED. ADDENDA	<input type="checkbox"/> ARE <input type="checkbox"/> ARE NOT ATTACHED.

28. CONTRACTOR IS REQUIRED TO SIGN THIS DOCUMENT AND RETURN _____ COPIES TO ISSUING OFFICE. CONTRACTOR AGREES TO FURNISH AND DELIVER ALL ITEMS SET FORTH OR OTHERWISE IDENTIFIED ABOVE AND ON ANY ADDITIONAL SHEETS SUBJECT TO THE TERMS AND CONDITIONS SPECIFIED HEREIN.	29. AWARD OF CONTRACT: REFERENCE OFFER DATED _____ YOUR OFFER ON SOLICITATION (BLOCK 5), INCLUDING ANY ADDITIONS OR CHANGES WHICH ARE SET FORTH HEREIN, IS ACCEPTED AS TO ITEMS:
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30a. SIGNATURE OF OFFEROR/CONTRACTOR	31a. UNITED STATES OF AMERICA (SIGNATURE OF CONTRACTING OFFICER)
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30b. NAME AND TITLE OF SIGNER (TYPE OR PRINT)	30c. DATE SIGNED	31b. NAME OF CONTRACTING OFFICER (TYPE OR PRINT)	31c. DATE SIGNED
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32a. QUANTITY IN COLUMN 21 HAS BEEN <input type="checkbox"/> RECEIVED <input type="checkbox"/> INSPECTED <input type="checkbox"/> ACCEPTED, AND CONFORMS TO THE CONTRACT, EXCEPT AS NOTED	33. SHIP NUMBER	34. VOUCHER NUMBER	35. AMOUNT VERIFIED CORRECT FOR
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32b. SIGNATURE OF AUTHORIZED GOVT. REPRESENTATIVE	32c. DATE	36. PAYMENT <input type="checkbox"/> COMPLETE <input type="checkbox"/> PARTIAL <input type="checkbox"/> FINAL	37. CHECK NUMBER
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38. S/R ACCOUNT NUMBER	39. S/R VOUCHER NUMBER	40. PAID BY
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41a. I CERTIFY THIS ACCOUNT IS CORRECT AND PROPER FOR PAYMENT	42a. RECEIVED BY (Print)
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41b. SIGNATURE AND TITLE OF CERTIFYING OFFICER	41c. DATE	42b. RECEIVED AT (Location)	42c. DATE REC'D (YY/MM/DD) 42d. TOTAL CONTAINERS
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SECTION B SUPPLIES/SERVICES

ITEM	SUPPLIES/SERVICES	QUANTITY	U-PRICE	AMOUNT
	ASSURANCE/CONTROL (QA/QC) DOCUMENTATION, IN ACCORDANCE WITH ATTACHMENT I			
0002	REQN. NO. 91110 /42126586 WELD INSPECTION REPORTS, IN ACCORDANCE WITH SECTIONS 2.4 AND 2.5 OF ATTACHMENT I	1	LT	
0003	REQN. NO. 91110 /42177930 MAIN TURBINE GENERATOR (MTG) FOUNDATION, IN ACCORDANCE WITH ATTACHMENTS I AND II	1	EA	
0004	REQN. NO. 91110 /41918914 AUXILIARY TURBINE GENERATOR (ATG) #1 FOUNDATION, IN ACCORDANCE WITH ATTACHMENTS I AND III	1	EA	
0005	REQN. NO. 91110 /42126893 AUXILIARY TURBINE GENERATOR (ATG) #2 FOUNDATION, IN ACCORDANCE WITH ATTACHMENTS I AND IV	1	EA	

1. This Request for Quotations (RFQ) covers the establishment of a firm-fixed price purchase order for the furnishing of Main Turbine Generator (MTG), Auxiliary Turbine Generator (ATG) #1, and Auxiliary Turbine Generator (ATG) #2 Foundations and Associated Technical Data. All items shall be in accordance with the requirements set forth in the Specification dated 2 September 2004 provided as Attachment I and Drawing No.'s 7625141, 7625142, and 7625143 provided as Attachments II, III, and IV respectively. This RFQ is issued using Simplified Acquisition Procedures pursuant to the Test Program for Certain Commercial Items as authorized by Subpart 13.5 of the Federal Acquisition Regulation (FAR).

2. The Government intends to make a single award for all items to the low price technically acceptable offeror. Technical acceptability shall be determined based on an assessment of Technical Compliance and Corporate Experience. In order to evaluate technical acceptability, offerors are required to submit information on these two factors as follows:

**Technical Compliance:** In this factor offerors must provide information that demonstrates the Foundations to be furnished will comply with the requirements set forth in the Specification and the ability to comply with the Required Delivery Schedule. In order to demonstrate compliance with the Required Delivery Schedule, offerors must provide information on, as a minimum, the projected dates for the ordering and receipt of materials, the beginning and completion of fabrication and machining, and preparation for shipment.

**Corporate Experience:** In this factor offerors must provide information on their experience with the design, fabrication/manufacture and machining of similar steel Foundations and information on their resources and capabilities, such as facilities, equipment, personnel and inspection/quality systems and procedures, that demonstrates their ability to furnish the Foundations.

Failure to submit adequate information will result in a quotation being rated as Unacceptable. The Government intends on making an award based on the initial quotations received in response to this RFQ. Therefore, an offeror's initial quotation should contain its best offer from both a price and a technical standpoint.

3. Offerors are reminded this RFQ has been set-aside for the exclusive participation of small business concerns in accordance with Clause 52.219-6 of this RFQ.

4. All items will be delivered on a F.O.B. Destination basis (that is, inclusive of all delivery, shipping and transportation costs) to the destination specified in this RFQ. Quotations submitted on other than an F.O. B. Destination basis will be determined to be nonresponsive and will not be considered for award.

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Attachments: I - Specification (4 Pages)  
II - Drawing No. 7625141  
III - Drawing No. 7625142  
IV - Drawing No. 7625143

52.212-4 CONTRACT TERMS AND CONDITIONS--COMMERCIAL ITEMS  
(OCT 2003)

(a) Inspection/Acceptance. The Contractor shall only tender for acceptance those items that conform to the requirements of this contract. The Government reserves the right to inspect or test any supplies or services that have been tendered for acceptance. The Government may require repair or replacement of nonconforming supplies or reperformance of nonconforming services at no increase in contract price. The Government must exercise its post-acceptance rights--(1) Within a reasonable time after the defect was discovered or should have been discovered; and (2) Before any substantial change occurs in the condition of the item, unless the change is due to the defect in the item.

(b) Assignment. The Contractor or its assignee may assign its rights to receive payment due as a result of performance of this contract to a bank, trust company, or other financing institution, including any Federal lending agency in accordance with the Assignment of Claims Act (31 U.S.C. 3727). However, when a third party makes payment (e.g., use of the Governmentwide commercial purchase card), the Contractor may not assign its rights to receive payment under this contract.

(c) Changes. Changes in the terms and conditions of this contract may be made only by written agreement of the parties.

(d) Disputes. This contract is subject to the Contract Disputes Act of 1978, as amended (41 U.S.C. 601-613). Failure of the parties to this contract to reach agreement on any request for equitable adjustment, claim, appeal or action arising under or relating to this contract shall be a dispute to be resolved in accordance with the clause at FAR 52.233-1, Disputes, which is incorporated herein by reference. The Contractor shall proceed diligently with performance of this contract, pending final resolution of any dispute arising under the contract.

(e) Definitions. The clause at FAR 52.202-1, Definitions, is incorporated herein by reference.

(f) Excusable delays. The Contractor shall be liable for default unless nonperformance is caused by an occurrence beyond the reasonable control of the Contractor and without its fault or negligence such as, acts of God or the public enemy, acts of the Government in either its sovereign or

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contractual capacity, fires, floods, epidemics, quarantine restrictions, strikes, unusually severe weather, and delays of common carriers. The Contractor shall notify the Contracting Officer in writing as soon as it is reasonably possible after the commencement of any excusable delay, setting forth the full particulars in connection therewith, shall remedy such occurrence with all reasonable dispatch, and shall promptly give written notice to the Contracting Officer of the cessation of such occurrence.

(g) Invoice. (1) The Contractor shall submit an original invoice and three copies (or electronic invoice, if authorized,) to the address designated in the contract to receive invoices. An invoice must include--

- (i) Name and address of the Contractor;
- (ii) Invoice date and number;
- (iii) Contract number, contract line item number and, if applicable, the order number;
- (iv) Description, quantity, unit of measure, unit price and extended price of the items delivered;
- (v) Shipping number and date of shipment including the bill of lading number and weight of shipment if shipped on Government bill of lading;
- (vi) Terms of any discount for prompt payment offered;
- (vii) Name and address of official to whom payment is to be sent;
- (viii) Name, title, and phone number of person to notify in event of defective invoice; and
- (ix) Taxpayer Identification Number (TIN). The Contractor shall include its TIN on the invoice only if required elsewhere in this contract.

(x) Electronic funds transfer (EFT) banking information.

(A) The Contractor shall include EFT banking information on the invoice only if required elsewhere in this contract.

(B) If EFT banking information is not required to be on the invoice, in order for the invoice to be a proper invoice, the Contractor shall have submitted correct EFT banking information in accordance with the applicable solicitation provision, contract clause (e.g., 52.232-33, Payment by Electronic Funds Transfer Central Contractor Registration, or 52.232-34, Payment by Electronic Funds Transfer Other Than Central Contractor Registration), or applicable agency procedures.

(C) EFT banking information is not required if the Government waived the requirement to pay by EFT.

(2) Invoices will be handled in accordance with the Prompt Payment Act (31 U.S.C. 3903) and Office of Management and Budget (OMB) prompt payment regulations at 5 CFR part 1315.

(h) Patent indemnity. The Contractor shall indemnify the Government and its officers, employees and agents against liability, including costs, for actual or alleged direct or contributory infringement of, or inducement to infringe, any United States or foreign patent, trademark or copyright, arising out of the performance of this contract, provided the Contractor is reasonably notified of such claims and proceedings.

(i) Payment. (1) Items accepted. Payment shall be made for items accepted by the Government that have been delivered to the delivery destinations set forth in this contract.

(2) Prompt payment. The Government will make payment in accordance with the Prompt Payment Act (31 U.S.C. 3903) and prompt payment regulations at 5 CFR part 1315.

(3) Electronic Funds Transfer (EFT). If the Government makes payment by EFT, see 52.212-5(b) for the appropriate EFT

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clause.

(4) Discount. In connection with any discount offered for early payment, time shall be computed from the date of the invoice. For the purpose of computing the discount earned, payment shall be considered to have been made on the date which appears on the payment check or the specified payment date if an electronic funds transfer payment is made.

(5) Overpayments. If the Contractor becomes aware of a duplicate contract financing or invoice payment or that the Government has otherwise overpaid on a contract financing or invoice payment, the Contractor shall immediately notify the Contracting Officer and request instructions for disposition of the overpayment.

(j) Risk of loss. Unless the contract specifically provides otherwise, risk of loss or damage to the supplies provided under this contract shall remain with the Contractor until, and shall pass to the Government upon:

(1) Delivery of the supplies to a carrier, if transportation is f.o.b. origin; or

(2) Delivery of the supplies to the Government at the destination specified in the contract, if transportation is f.o.b. destination.

(k) Taxes. The contract price includes all applicable Federal, State, and local taxes and duties.

(l) Termination for the Government's convenience. The Government reserves the right to terminate this contract, or any part hereof, for its sole convenience. In the event of such termination, the Contractor shall immediately stop all work hereunder and shall immediately cause any and all of its suppliers and subcontractors to cease work. Subject to the terms of this contract, the Contractor shall be paid a percentage of the contract price reflecting the percentage of the work performed prior to the notice of termination, plus reasonable charges the Contractor can demonstrate to the satisfaction of the Government using its standard record keeping system, have resulted from the termination. The Contractor shall not be required to comply with the cost accounting standards or contract cost principles for this purpose. This paragraph does not give the Government any right to audit the Contractor's records. The Contractor shall not be paid for any work performed or costs incurred which reasonably could have been avoided.

(m) Termination for cause. The Government may terminate this contract, or any part hereof, for cause in the event of any default by the Contractor, or if the Contractor fails to comply with any contract terms and conditions, or fails to provide the Government, upon request, with adequate assurances of future performance. In the event of termination for cause, the Government shall not be liable to the Contractor for any amount for supplies or services not accepted, and the Contractor shall be liable to the Government for any and all rights and remedies provided by law. If it is determined that the Government improperly terminated this contract for default, such termination shall be deemed a termination for convenience.

(n) Title. Unless specified elsewhere in this contract, title to items furnished under this contract shall pass to the Government upon acceptance, regardless of when or where the Government takes physical possession.

(o) Warranty. The Contractor warrants and implies that the items delivered hereunder are merchantable and fit for use for the particular purpose described in this contract.

(p) Limitation of liability. Except as otherwise provided by an express warranty, the Contractor will not be liable to the Government for consequential damages resulting from any defect

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or deficiencies in accepted items.

(q) Other compliances. The Contractor shall comply with all applicable Federal, State and local laws, executive orders, rules and regulations applicable to its performance under this contract.

(r) Compliance with laws unique to Government contracts. The Contractor agrees to comply with 31 U.S.C. 1352 relating to limitations on the use of appropriated funds to influence certain Federal contracts; 18 U.S.C. 431 relating to officials not to benefit; 40 U.S.C. 327, et seq., Contract Work Hours and Safety Standards Act; 41 U.S.C. 51-58, Anti-Kickback Act of 1986; 41 U.S.C. 265 and 10 U.S.C. 2409 relating to whistleblower protections; 49 U.S.C. 40118, Fly American; and 41 U.S.C. 423 relating to procurement integrity.

(s) Order of precedence. Any inconsistencies in this solicitation or contract shall be resolved by giving precedence in the following order:

- (1) The schedule of supplies/services.
- (2) The Assignments, Disputes, Payments, Invoice, Other Compliances, and Compliance with Laws Unique to Government Contracts paragraphs of this clause.
- (3) The clause at 52.212-5.
- (4) Addenda to this solicitation or contract, including any license agreements for computer software.
- (5) Solicitation provisions if this is a solicitation.
- (6) Other paragraphs of this clause.
- (7) The Standard Form 1449.
- (8) Other documents, exhibits, and attachments.
- (9) The specification.

(t) Central Contractor Registration (CCR). (1) Unless exempted by an addendum to this contract, the Contractor is responsible during performance and through final payment of any contract for the accuracy and completeness of the data within the CCR database, and for any liability resulting from the Government's reliance on inaccurate or incomplete data. To remain registered in the CCR database after the initial registration, the Contractor is required to review and update on an annual basis from the date of initial registration or subsequent updates its information in the CCR database to ensure it is current, accurate and complete. Updating information in the CCR does not alter the terms and conditions of this contract and is not a substitute for a properly executed contractual document.

(2) (i) If a Contractor has legally changed its business name, "doing business as" name, or division name (whichever is shown on the contract), or has transferred the assets used in performing the contract, but has not completed the necessary requirements regarding novation and change-of-name agreements in FAR subpart 42.12, the Contractor shall provide the responsible Contracting Officer a minimum of one business day's written notification of its intention to (A) change the name in the CCR database; (B) comply with the requirements of subpart 42.12; and (C) agree in writing to the timeline and procedures specified by the responsible Contracting Officer. The Contractor must provide with the notification sufficient documentation to support the legally changed name.

(ii) If the Contractor fails to comply with the requirements of paragraph (t)(2)(i) of this clause, or fails to perform the agreement at paragraph (t)(2)(i)(C) of this clause, and, in the absence of a properly executed novation or change-of-name agreement, the CCR information that shows the Contractor to be other than the Contractor indicated in the contract will be considered to be incorrect information within the meaning of the "Suspension of Payment" paragraph of the electronic funds transfer (EFT) clause of this contract.

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(3) The Contractor shall not change the name or address for EFT payments or manual payments, as appropriate, in the CCR record to reflect an assignee for the purpose of assignment of claims (see Subpart 32.8, Assignment of Claims). Assignees shall be separately registered in the CCR database. Information provided to the Contractor's CCR record that indicates payments, including those made by EFT, to an ultimate recipient other than that Contractor will be considered to be incorrect information within the meaning of the "Suspension of payment" paragraph of the EFT clause of this contract.

(4) Offerors and Contractors may obtain information on registration and annual confirmation requirements via the internet at <http://www.ccr.gov> or by calling 1-888-227-2423 or 269-961-5757.

## 52.212-5 CONTRACT TERMS AND CONDITIONS REQUIRED TO IMPLEMENT STATUTES OR EXECUTIVE ORDERS--COMMERCIAL ITEMS (JUNE 2004)

(a) The Contractor shall comply with the following Federal Acquisition Regulation (FAR) clause, which is incorporated in this contract by reference, to implement provisions of law or Executive orders applicable to acquisitions of commercial items: 52.233-3, Protest after Award (AUG 1996) (31 U.S.C. 3553).

(b) The Contractor shall comply with the FAR clauses in this paragraph (b) that the Contracting Officer has indicated as being incorporated in this contract by reference to implement provisions of law or Executive orders applicable to acquisitions of commercial items: [Contracting Officer check as appropriate.]

- \_\_\_ (1) 52.203-6, Restrictions on Subcontractor Sales to the Government (JUL 1995), with Alternate I (OCT 1995) (41 U.S.C. 253g and 10 U.S.C. 2402).
- \_\_\_ (2) 52.219-3, Notice of Total HUBZone Set-Aside (JAN 1999) (15 U.S.C. 657a).
- \_\_\_ (3) 52.219-4, Notice of Price Evaluation Preference for HUBZone Small Business Concerns (JAN 1999) (if the offeror elects to waive the preference, it shall so indicate in its offer) (15 U.S.C. 657a).
- \_\_\_ (4) (i) 52.219-5, Very Small Business Set-Aside (JUNE 2003) (Pub. L. 103-403, section 304, Small Business Reauthorization and Amendments Act of 1994).  
(ii) Alternate I (MAR 1999) of 52.219-5.  
(iii) Alternate II (JUNE 2003) of 52.219-5.
- (5) (i) 52.219-6, Notice of Total Small Business Set-Aside (JUNE 2003) (15 U.S.C. 644).  
(ii) Alternate I (OCT 1995) of 52.219-6.  
(iii) Alternate II (MAR 2004) of 52.219-6.
- \_\_\_ (6) (i) 52.219-7, Notice of Partial Small Business Set-Aside (JUNE 2003) (15 U.S.C. 644).  
(ii) Alternate I (OCT 1995) of 52.219-7.  
(iii) Alternate II (MAR 2004) of 52.219-7.
- \_\_\_ (7) 52.219-8, Utilization of Small Business Concerns (MAY 2004) (15 U.S.C. 637 (d)(2) and (3)).
- \_\_\_ (8) (i) 52.219-9, Small Business Subcontracting Plan (JAN 2002) (15 U.S.C. 637(d)(4)).  
(ii) Alternate I (OCT 2001) of 52.219-9.  
(iii) Alternate II (OCT 2001) of 52.219-9.
- (9) 52.219-14, Limitations on Subcontracting (DEC 1996) (15 U.S.C. 637(a)(14)).
- \_\_\_ (10) (i) 52.219-23, Notice of Price Evaluation Adjustment for Small Disadvantaged Business Concerns (JUNE 2003) (Pub. L. 103-355, section 7102, and 10 U.S.C. 2323) (if the offeror elects to waive the adjustment, it shall so indicate in its offer).  
(ii) Alternate I (JUNE 2003) of 52.219-23.

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- \_\_\_ (11) 52.219-25, Small Disadvantaged Business Participation Program--Disadvantaged Status and Reporting (OCT 1999) (Pub. L. 103-355, section 7102, and 10 U.S.C. 2323).
- \_\_\_ (12) 52.219-26, Small Disadvantaged Business Participation Program--Incentive Subcontracting (OCT 2000) (Pub. L. 103-355, section 7102, and 10 U.S.C. 2323).
- \_\_\_ (13) 52.219-27, Notice of Total Service-Disabled Veteran-Owned Small Business Set-Aside (MAY 2004)
- ✓ (14) 52.222-3, Convict Labor (JUNE 2003) (E.O. 11755).
- ✓ (15) 52.222-19, Child Labor--Cooperation with Authorities and Remedies (JUN 2004) (E.O. 13126).
- ✓ (16) 52.222-21, Prohibition of Segregated Facilities (FEB 1999).
- ✓ (17) 52.222-26, Equal Opportunity (APR 2002) (E.O. 11246).
- ✓ (18) 52.222-35, Equal Opportunity for Special Disabled Veterans, Veterans of the Vietnam Era, and Other Eligible Veterans (DEC 2001) (38 U.S.C. 4212).
- ✓ (19) 52.222-36, Affirmative Action for Workers with Disabilities (JUN 1998) (29 U.S.C. 793).
- ✓ (20) 52.222-37, Employment Reports on Special Disabled Veterans, Veterans of the Vietnam Era, and Other Eligible Veterans (DEC 2001) (38 U.S.C. 4212).
- \_\_\_ (21) (i) 52.223-9, Estimate of Percentage of Recovered Material Content for EPA-Designated Products (AUG 2000) (42 U.S.C. 6962(c)(3)(A)(ii)).  
(ii) Alternate I (AUG 2000) of 52.223-9 (42 U.S.C. 6962(i)(2)(C)).
- \_\_\_ (22) 52.225-1, Buy American Act--Supplies (JUNE 2003) (41 U.S.C. 10a-10d).
- \_\_\_ (23) (i) 52.225-3, Buy American Act--Free Trade Agreements--Israeli Trade Act (JAN 2004) (41 U.S.C. 10a-10d, 19 U.S.C. 3301 note, 19 U.S.C. 2112 note), Pub. L. 108-77, 108-78).  
(ii) Alternate I (JAN 2004) of 52.225-3.  
(iii) Alternate II (JAN 2004) of 52.225-3.
- \_\_\_ (24) 52.225-5, Trade Agreements (JUN 2004) (19 U.S.C. 2501, et seq., 19 U.S.C. 3301 note).
- ✓ (25) 52.225-13, Restrictions on Certain Foreign Purchases (DEC 2003) (E.o.s, proclamations, and statutes administered by the Office of Foreign Assets Control of the Department of the Treasury).
- \_\_\_ (26) 52.225-15, Sanctioned European Union Country End Products (FEB 2000) (E.O. 12849).
- \_\_\_ (27) 52.225-16, Sanctioned European Union Country Services (FEB 2000) (E.O. 12849).
- \_\_\_ (28) 52.232-29, Terms for Financing of Purchases of Commercial Items (FEB 2002) (41 U.S.C. 255(f), 10 U.S.C. 2307(f)).
- \_\_\_ (29) 52.232-30, Installment Payments for Commercial Items (OCT 1995) (41 U.S.C. 255(f), 10 U.S.C. 2307(f)).
- ✓ (30) 52.232-33, Payment by Electronic Funds Transfer--Central Contractor Registration (OCT 2003) (31 U.S.C. 3332).
- \_\_\_ (31) 52.232-34, Payment by Electronic Funds Transfer--Other than Central Contractor Registration (MAY 1999) (31 U.S.C. 3332).
- \_\_\_ (32) 52.232-36, Payment by Third Party (MAY 1999) (31 U.S.C. 3332).
- \_\_\_ (33) 52.239-1, Privacy or Security Safeguards (AUG 1996) (5 U.S.C. 552a).
- \_\_\_ (34) (i) 52.247-64, Preference for Privately Owned U.S.-Flag Commercial Vessels (APR 2003) (46 U.S.C. Appx 1241 and 10 U.S.C. 2631).

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(ii) Alternate I (APR 1984) of 52.247-64.

(c) The Contractor shall comply with the FAR clauses in this paragraph (c), applicable to commercial services, that the Contracting Officer has indicated as being incorporated in this contract by reference to implement provisions of law or Executive orders applicable to acquisitions of commercial items:  
[Contracting Officer check as appropriate.]

- (1) 52.222-41, Service Contract Act of 1965, as Amended (MAY 1989) (41 U.S.C. 351, et seq.).
- (2) 52.222-42, Statement of Equivalent Rates for Federal Hires (MAY 1989) (29 U.S.C. 206 and 41 U.S.C. 351, et seq.).
- (3) 52.222-43, Fair Labor Standards Act and Service Contract Act--Price Adjustment (Multiple Year and Option Contracts) (MAY 1989) (29 U.S.C. 206 and 41 U.S.C. 351, et seq.).
- (4) 52.222-44, Fair Labor Standards Act and Service Contract Act--Price Adjustment (February 2002) (29 U.S.C. 206 and 41 U.S.C. 351, et seq.).
- (5) 52.222-47, SCA Minimum Wages and Fringe Benefits Applicable to Successor Contract Pursuant to PreDecemberessor Contractor Collective Bargaining Agreements (CBA) (May 1989) (41 U.S.C. 351, et seq.).

(d) Comptroller General Examination of Record. The Contractor shall comply with the provisions of this paragraph (d) if this contract was awarded using other than sealed bid, is in excess of the simplified acquisition threshold, and does not contain the clause at 52.215-2, Audit and Records--Negotiation.

(1) The Comptroller General of the United States, or an authorized representative of the Comptroller General, shall have access to and right to examine any of the Contractor's directly pertinent records involving transactions related to this contract.

(2) The Contractor shall make available at its offices at all reasonable times the records, materials, and other evidence for examination, audit, or reproduction, until 3 years after final payment under this contract or for any shorter period specified in FAR Subpart 4.7, Contractor Records Retention, of the other clauses of this contract. If this contract is completely or partially terminated, the records relating to the work terminated shall be made available for 3 years after any resulting final termination settlement. Records relating to appeals under the disputes clause or to litigation or the settlement of claims arising under or relating to this contract shall be made available until such appeals, litigation, or claims are finally resolved.

(3) As used in this clause, records include books, documents, accounting procedures and practices, and other data, regardless of type and regardless of form. This does not require the Contractor to create or maintain any record that the Contractor does not maintain in the ordinary course of business or pursuant to a provision of law.

(e)(1) Notwithstanding the requirements of the clauses in paragraphs (a), (b), (c), and (d) of this clause, the Contractor is not required to flow down any FAR clause, other than those in paragraphs (i) through (vi) of this paragraph in a subcontract for commercial items. Unless otherwise indicated below, the extent of the flow down shall be as required by the clause--

(i) 52.219-8, Utilization of Small Business Concerns (May 2004) (15 U.S.C. 637(d)(2) and (3)), in all subcontracts that offer further subcontracting opportunities. If the subcontract (except subcontracts to small business concerns)

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exceeds \$500,000 (\$1,000,000 for construction of any public facility), the subcontractor must include 52.219-8 in lower tier subcontracts that offer subcontracting opportunities.

(ii) 52.222-26, Equal Opportunity (April 2002) (E.O. 11246).

(iii) 52.222-35, Equal Opportunity for Special Disabled Veterans, Veterans of the Vietnam Era, and Other Eligible Veterans (December 2001) (38 U.S.C. 4212).

(iv) 52.222-36, Affirmative Action for Workers with Disabilities (June 1998) (29 U.S.C. 793).

(v) 52.222-41, Service Contract Act of 1965, as Amended (May 1989), flow down required for all subcontracts subject to the Service Contract Act of 1965 (41 U.S.C. 351, et seq.).

(vi) 52.247-64, Preference for Privately Owned U.S.-Flag Commercial Vessels (April 2003) (46 U.S.C. Appx 1241 and 10 U.S.C. 2631). Flow down required in accordance with paragraph (d) of FAR clause 52.247-64.

(2) While not required, the contractor May include in its subcontracts for commercial items a minimal number of additional clauses necessary to satisfy its contractual obligations.

252.212-7001 CONTRACT TERMS AND CONDITIONS REQUIRED TO IMPLEMENT STATUTES OR EXECUTIVE ORDERS APPLICABLE TO DEFENSE ACQUISITIONS OF COMMERCIAL ITEMS (JUN 2004)

(a) The contractor agrees to comply with the following Federal Acquisition Regulation (FAR) clause which, if checked, is included in this contract by reference to implement a provision of law applicable to acquisitions of commercial items or components.

52.203-3 Gratuities (APR 1984) (10 U.S.C. 2207)

(b) The Contractor agrees to comply with any clause that is checked on the following list of Defense FAR Supplement clauses which, if checked, is included in this contract by reference to implement provisions of law or Executive orders applicable to acquisitions of commercial items or components.

\_\_\_ 252.205-7000 Provision of Information to Cooperative Agreement Holders (DEC 1991) (10 U.S.C. 2416).

\_\_\_ 252.219-7003 Small Disadvantaged and Women-Owned Small Business Subcontracting Plan (DoD Contracts) (APR 1996) (15 U.S.C. 637).

\_\_\_ 252.219-7004 Small, Small Disadvantaged and Women-Owned Small Business Subcontracting Plan (Test Program) (JUN 1997) (15 U.S.C. 637 Note).

252.225-7001 Buy American Act and Balance of Payments Program (APR 2003) (41 U.S.C. 10a-10d, E.O. 10582).

\_\_\_ 252.225-7012 Preference for Certain Domestic Commodities (JUN 2004) (10 U.S.C. 2533a).

\_\_\_ 252.225-7014 Preference for Domestic Specialty Metals (APR 2003) (10 U.S.C. 2533a).

\_\_\_ 252.225-7015 Restriction on Acquisition of Hand or Measuring Tools (APR 2003) (10 U.S.C. 2533a).

\_\_\_ 252.225-7016 Restriction on Acquisition of Ball and Roller Bearings (MAY 2004) (\_\_\_ Alternate I) (APR 2003) (10 U.S.C. 2534 and Section 8099 of Pub. L. 104-61) and similar sections in subsequent DoD appropriations acts).

\_\_\_ 252.225-7021 Trade Agreements (JUN 2004) (19 U.S.C. 2501-2518 and 19 U.S.C. 3301 note).

\_\_\_ 252.225-7027 Restriction on Contingent Fees for Foreign Military Sales (APR 2003) (22 U.S.C. 2779).

\_\_\_ 252.225-7028 Exclusionary Policies and Practices of Foreign Governments (APR 2003) (22 U.S.C. 2755).

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- \_\_\_ 252.225-7036 Buy American Act--Free Trade Agreements--  
Balance of Payments Program (JAN 2004) (\_\_\_ Alternate I)  
(JAN 2004) (41 U.S.C. 10a-10d and 19 U.S.C. 3301 note).
- \_\_\_ 252.225-7038 Restriction on Acquisition of Air Circuit  
Breakers (APR 2003) (10 U.S.C. 2534(a)(3)).
- \_\_\_ 252.226-7001 Utilization of Indian Organizations,  
Indian-Owned Economic Enterprises, and Native Hawaiian  
Small Business Concerns (OCT 2003) (Section 8021 of  
Pub. L. 107-248).
- ✓ 252.227-7015 Technical Data--Commercial Items (NOV 1995)  
(10 U.S.C. 2320).
- ✓ 252.227-7037 Validation of Restrictive Markings on  
Technical Data (SEP 1999) (10 U.S.C. 2321).
- \_\_\_ 252.232-7003 Electronic Submission of Payment Requests  
(JAN 2004) (10 U.S.C. 2227)
- \_\_\_ 252.243-7002 Requests for Equitable Adjustment (MAR 1998)  
(10 U.S.C. 2410).
- ✓ 252.247-7023 Transportation of Supplies by Sea (MAY 2002)  
(\_\_\_ Alternate I) (MAR 2000) (\_\_\_ Alternate II) (MAR 2000)  
(Alternate III) (MAY 2002) (10 U.S.C. 2631).
- \_\_\_ 252.247-7024 Notification of Transportation of Supplies  
by Sea (MAR 2000) (10 U.S.C. 2631).

(c) In addition to the clauses listed in paragraph (e) of the Contract Terms and Conditions Required to Implement Statutes or Executive Orders--Commercial Items clause of this contract (FAR 52.212-5), the Contractor shall include the terms of the following clauses, if applicable, in subcontracts for commercial items or commercial components, awarded at any tier under this contract:

- 252.225-7014 Preference for Domestic Specialty Metals,  
Alternate I (APR 2003) (10 U.S.C. 2533a).
- 252.247-7023 Transportation of Supplies by Sea (MAY 2002)  
(10 U.S.C. 2631)
- 252.247-7024 Notification of Transportation of Supplies  
by Sea (MAR 2000) (10 U.S.C. 2631).

## 52.212-1 INSTRUCTIONS TO OFFERORS--COMMERCIAL ITEMS (JAN 2004)

(a) North American Industry Classification System (NAICS) code and small business size standard. The NAICS code and small business size standard for this acquisition appear in Block 10 of the solicitation cover sheet (SF 1449). However, the small business size standard for a concern which submits an offer in its own name, but which proposes to furnish an item which it did not itself manufacture, is 500 employees.

(b) Submission of offers. Submit signed and dated offers to the office specified in this solicitation at or before the exact time specified in this solicitation. Offers may be submitted on the SF 1449, letterhead stationery, or as otherwise specified in the solicitation. As a minimum, offers must show--

- (1) The solicitation number;
- (2) The time specified in the solicitation for receipt of offers;

(3) The name, address, and telephone number of the offeror;

(4) A technical description of the items being offered in sufficient detail to evaluate compliance with the requirements in the solicitation. This may include product literature, or other documents, if necessary;

- (5) Terms of any express warranty;
- (6) Price and any discount terms;
- (7) "Remit to" address, if different than mailing

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address;

(8) A completed copy of the representations and certifications at FAR 52.212-3;

(9) Acknowledgment of Solicitation Amendments;

(10) Past performance information, when included as an evaluation factor, to include recent and relevant contracts for the same or similar items and other references (including contract numbers, points of contact with telephone numbers and other relevant information); and

(11) If the offer is not submitted on the SF 1449, include a statement specifying the extent of agreement with all terms, conditions, and provisions included in the solicitation. Offers that fail to furnish required representations or information, or reject the terms and conditions of the solicitation may be excluded from consideration.

(c) Period for acceptance of offers. The offeror agrees to hold the prices in its offer firm for 30 calendar days from the date specified for receipt of offers, unless another time period is specified in an addendum to the solicitation.

(d) Product samples. When required by the solicitation, product samples shall be submitted at or prior to the time specified for receipt of offers. Unless otherwise specified in this solicitation, these samples shall be submitted at no expense to the Government, and returned at the sender's request and expense, unless they are destroyed during preaward testing.

(e) Multiple offers. Offerors are encouraged to submit multiple offers presenting alternative terms and conditions or commercial items for satisfying the requirements of this solicitation. Each offer submitted will be evaluated separately.

(f) Late submissions, modifications, revisions, and withdrawals of offers. (1) Offerors are responsible for submitting offers, and any modifications, revisions, or withdrawals, so as to reach the Government office designated in the solicitation by the time specified in the solicitation. If no time is specified in the solicitation, the time for receipt is 4:30 p.m., local time, for the designated Government office on the date that offers or revisions are due.

(2)(i) Any offer, modification, revision, or withdrawal of an offer received at the Government office designated in the solicitation after the exact time specified for receipt of offers is "late" and will not be considered unless it is received before award is made, the Contracting Officer determines that accepting the late offer would not unduly delay the acquisition; and--

(A) If it was transmitted through an electronic commerce method authorized by the solicitation, it was received at the initial point of entry to the Government infrastructure not later than 5:00 p.m. one working day prior to the date specified for receipt of offers; or

(B) There is acceptable evidence to establish that it was received at the Government installation designated for receipt of offers and was under the Government's control prior to the time set for receipt of offers; or

(C) If this solicitation is a request for proposals, it was the only proposal received.

(ii) However, a late modification of an otherwise successful offer, that makes its terms more favorable to the Government, will be considered at any time it is received and may be accepted.

(3) Acceptable evidence to establish the time of receipt at the Government installation includes the time/date stamp of

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that installation on the offer wrapper, other documentary evidence of receipt maintained by the installation, or oral testimony or statements of Government personnel.

(4) If an emergency or unanticipated event interrupts normal Government processes so that offers cannot be received at the Government office designated for receipt of offers by the exact time specified in the solicitation, and urgent Government requirements preclude amendment of the solicitation or other notice of an extension of the closing date, the time specified for receipt of offers will be deemed to be extended to the same time of day specified in the solicitation on the first work day on which normal Government processes resume.

(5) Offers may be withdrawn by written notice received at any time before the exact time set for receipt of offers. Oral offers in response to oral solicitations may be withdrawn orally. If the solicitation authorizes facsimile offers, offers may be withdrawn via facsimile received at any time before the exact time set for receipt of offers, subject to the conditions specified in the solicitation concerning facsimile offers. An offer may be withdrawn in person by an offeror or its authorized representative if, before the exact time set for receipt of offers, the identity of the person requesting withdrawal is established and the person signs a receipt for the offer.

(g) Contract award (not applicable to Invitation for Bids). The Government intends to evaluate offers and award a contract without discussions with offerors. Therefore, the offeror's initial offer should contain the offeror's best terms from a price and technical standpoint. However, the Government reserves the right to conduct discussions if later determined by the Contracting Officer to be necessary. The Government may reject any or all offers if such action is in the public interest; accept other than the lowest offer; and waive informalities and minor irregularities in offers received.

(h) Multiple awards. The Government may accept any item or group of items of an offer, unless the offeror qualifies the offer by specific limitations. Unless otherwise provided in the Schedule, offers may not be submitted for quantities less than those specified. The Government reserves the right to make an award on any item for a quantity less than the quantity offered, at the unit prices offered, unless the offeror specifies otherwise in the offer.

(i) Availability of requirements documents cited in the solicitation. (1)(i) The GSA Index of Federal Specifications, Standards and Commercial Item Descriptions, FPMR Part 101-29, and copies of specifications, standards, and commercial item descriptions cited in this solicitation may be obtained for a fee by submitting a request to--

GSA Federal Supply Service Specifications Section  
Suite 8100  
470 East L'Enfant Plaza, SW  
Washington, DC 20407

Telephone (202) 619-8925  
Facsimile (202) 619-8978.

(ii) If the General Services Administration, Department of Agriculture, or Department of Veterans Affairs issued this solicitation, a single copy of specifications, standards, and commercial item descriptions cited in this solicitation may be obtained free of charge by submitting a request to the addressee in paragraph (i)(1)(i) of this provision. Additional

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copies will be issued for a fee.

(2) The DoD Index of Specifications and Standards (DoDISS) and documents listed in it may be obtained from the--

Department of Defense Single Stock Point (DoDSSP)  
Building 4, Section D  
700 Robbins Avenue  
Philadelphia, PA 19111-5094

Telephone (215) 697-2667/2179  
Facsimile (215) 697-1462.

(i) Automatic distribution may be obtained on a subscription basis.

(ii) Order forms, pricing information, and customer support information may be obtained--

(A) By telephone at (215) 697-2667/2179; or

(B) Through the DoDSSP Internet site at <http://dodssp.daps.mil>.

(3) Nongovernment (voluntary) standards must be obtained from the organization responsible for their preparation, publication, or maintenance.

(j) Data Universal Numbering System (DUNS) Number. (Applies to all offers exceeding \$25,000, and offers of \$25,000 or less if the solicitation requires the Contractor to be registered in the Central Contractor Registration (CCR) database. The offeror shall enter, in the block with its name and address on the cover page of its offer, the annotation "DUNS" or "DUNS +4" followed by the DUNS or DUNS +4 number that identifies the offeror's name and address. The DUNS +4 is the DUNS number plus a 4-character suffix that may be assigned at the discretion of the offeror to establish additional CCR records for identifying alternative Electronic Funds Transfer (EFT) accounts (see FAR Subpart 32.11) for the same parent concern. If the offeror does not have a DUNS number, it should contact Dun and Bradstreet directly to obtain one. An offeror within the United States may contact Dun and Bradstreet by calling 1-866-705-5711 or via the internet at <http://www.dnb.com>. An offeror located outside the United States must contact the local Dun and Bradstreet office for a DUNS number.

(k) Central Contractor Registration. Unless exempted by an addendum to this solicitation, by submission of an offer, the offeror acknowledges the requirement that a prospective awardee shall be registered in the CCR database prior to award, during performance and through final payment of any contract resulting from this solicitation. If the Offeror does not become registered in the CCR database in the time prescribed by the Contracting Officer, the Contracting Officer will proceed to award to the next otherwise successful registered Offeror. Offerors may obtain information on registration and annual confirmation requirements via the Internet at <http://www.ccr.gov> or by calling 1-888-227-2423 or 269-961-5757.

(l) Debriefing. If a post-award debriefing is given to requesting offerors, the Government shall disclose the following information, if applicable:

(1) The agency's evaluation of the significant weak or deficient factors in the debriefed offeror's offer.

(2) The overall evaluated cost or price and technical rating of the successful and the debriefed offeror and past performance information on the debriefed offeror.

(3) The overall ranking of all offerors, when any ranking was developed by the agency during source selection.

(4) A summary of the rationale for award;

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(5) For acquisitions of commercial items, the make and model of the item to be delivered by the successful offeror.

(6) Reasonable responses to relevant questions posed by the debriefed offeror as to whether source-selection procedures set forth in the solicitation, applicable regulations, and other applicable authorities were followed by the agency.

52.212-3 OFFEROR REPRESENTATIONS AND CERTIFICATIONS-COMMERCIAL ITEMS (MAY 2004)--ALTERNATE I (APR 2002)

(a) Definitions. As used in this provision:

"Emerging small business" means a small business concern whose size is no greater than 50 percent of the numerical size standard for the NAICS code designated.

"Forced or indentured child labor" means all work or service--

(1) Exacted from any person under the age of 18 under the menace of any penalty for its nonperformance and for which the worker does not offer himself voluntarily; or

(2) Performed by any person under the age of 18 pursuant to a contract the enforcement of which can be accomplished by process or penalties.

"Service-disabled veteran-owned small business concern"--

(1) Means a small business concern--

(i) Not less than 51 percent of which is owned by one or more service--disabled veterans or, in the case of any publicly owned business, not less than 51 percent of the stock of which is owned by one or more service-disabled veterans; and

(ii) The management and daily business operations of which are controlled by one or more service-disabled veterans or, in the case of a service-disabled veteran with permanent and severe disability, the spouse or permanent caregiver of such veteran.

(2) Service-disabled veteran means a veteran, as defined in 38 U.S.C. 101(2), with a disability that is service-connected, as defined in 38 U.S.C. 101(16).

"Small business concern" means a concern, including its affiliates, that is independently owned and operated, not dominant in the field of operation in which it is bidding on Government contracts, and qualified as a small business under the criteria in 13 CFR part 121 and size standards in this solicitation.

"Veteran-owned small business concern" means a small business concern--

(1) Not less than 51 percent of which is owned by one or more veterans (as defined at 38 U.S.C. 101(2)) or, in the case of any publicly owned business, not less than 51 percent of the stock of which is owned by one or more veterans; and

(2) The management and daily business operations of which are controlled by one or more veterans.

"Women-owned small business concern" means a small business concern--

(1) That is at least 51 percent owned by one or more women; or, in the case of any publicly owned business, at least 51 percent of the stock of which is owned by one or more women; and

(2) Whose management and daily business operations are controlled by one or more women.

"Women-owned business concern" means a concern which is at least 51 percent owned by one or more women; or in the case of any publicly owned business, at least 51 percent of its stock is owned by one or more women; and whose management and daily business operations are controlled by one or more

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women.

(b) Taxpayer Identification Number (TIN) (26 U.S.C. 6109, 31 U.S.C. 7701). (Not applicable if the offeror is required to provide this information to a central contractor registration database to be eligible for award.)

(1) All offerors must submit the information required in paragraphs (b)(3) through (b)(5) of this provision to comply with debt collection requirements of 31 U.S.C. 7701(c) and 3325(d), reporting requirements of 26 U.S.C. 6041, 6041A, and 6050M, and implementing regulations issued by the Internal Revenue Service (IRS).

(2) The TIN may be used by the Government to collect and report on any delinquent amounts arising out of the offeror's relationship with the Government (31 U.S.C. 7701(c)(3)). If the resulting contract is subject to the payment reporting requirements described in FAR 4.904, the TIN provided hereunder may be matched with IRS records to verify the accuracy of the offeror's TIN.

(3) Taxpayer Identification Number (TIN).

- TIN: \_\_\_\_\_.
- TIN has been applied for.
- TIN is not required because:

Offeror is a nonresident alien, foreign corporation, or foreign partnership that does not have income effectively connected with the conduct of a trade or business in the United States and does not have an office or place of business or a fiscal paying agent in the United States;

Offeror is an agency or instrumentality of a foreign government;

Offeror is an agency or instrumentality of the Federal Government.

(4) Type of organization.

- Sole proprietorship;
- Partnership;
- Corporate entity (not tax-exempt);
- Corporate entity (tax-exempt);
- Government entity (Federal, State, or local);
- Foreign government;
- International organization per 26 CFR 1.6049-4;
- Other \_\_\_\_\_.

(5) Common parent.

- Offeror is not owned or controlled by a common parent;
- Name and TIN of common parent:  
Name \_\_\_\_\_  
TIN \_\_\_\_\_.

(c) Offerors must complete the following representations when the resulting contract will be performed in the United States or its outlying areas. Check all that apply.

(1) Small business concern. The offeror represents as part of its offer that it  is,  is not a small business concern.

(2) Veteran-owned small business concern. [Complete only if the offeror represented itself as a small business concern in paragraph (c)(1) of this provision.] The offeror represents as part of its offer that it  is,  is not a veteran-owned small business concern.

(3) Service-disabled veteran-owned small business concern. [Complete only if the offeror represented itself as a veteran-owned small business concern in paragraph (c)(2) of this provision.] The offeror represents as part of its offer that it  is,  is not a service-disabled veteran-owned small business concern.

(4) Small disadvantaged business concern. [Complete only if

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the offeror represented itself as a small business concern in paragraph (c)(1) of this provision.] The offeror represents, for general statistical purposes, that it  is,  is not a small disadvantaged business concern as defined in 13 CFR 124.1002.

(5) Women-owned small business concern. [Complete only if the offeror represented itself as a small business concern in paragraph (c)(1) of this provision.] The offeror represents that it  is,  is not a women-owned small business concern. Note: Complete paragraphs (c)(6) and (c)(7) only if this solicitation is expected to exceed the simplified acquisition threshold.

(6) Women-owned business concern (other than small business concern). [Complete only if the offeror is a women-owned business concern and did not represent itself as a small business concern in paragraph (c)(1) of this provision.] The offeror represents that it  is a women-owned business concern.

(7) Tie bid priority for labor surplus area concerns. If this is an invitation for bid, small business offerors may identify the labor surplus areas in which costs to be incurred on account of manufacturing or production (by offeror or first-tier subcontractors) amount to more than 50 percent of the contract price:

(8) Small Business Size for the Small Business Competitiveness Demonstration Program and for the Targeted Industry Categories under the Small Business Competitiveness Demonstration Program. [Complete only if the offeror has represented itself to be a small business concern under the size standards for this solicitation.]

(i) (Complete only for solicitations indicated in an addendum as being set-aside for emerging small businesses in one of the four designated industry groups (DIGs).) The offeror represents as part of its offer that it  is,  is not an emerging small business.

(ii) (Complete only for solicitations indicated in an addendum as being for one of the targeted industry categories (TICs) or four designated industry groups (DIGs).) Offeror represents as follows:

(A) Offeror's number of employees for the past 12 months (check the Employees column if size standard stated in the solicitation is expressed in terms of number of employees); or

(B) Offeror's average annual gross revenue for the last 3 fiscal years (check the Average Annual Gross Number of Revenues column if size standard stated in the solicitation is expressed in terms of annual receipts).

(Check one of the following):

Number of Employees	Average Annual Gross Revenues
<input type="checkbox"/> 50 or fewer	<input type="checkbox"/> \$1 million or less
<input type="checkbox"/> 51--100	<input type="checkbox"/> \$1,000,001--\$2 million
<input type="checkbox"/> 101--250	<input type="checkbox"/> \$2,000,001--\$3.5 million
<input type="checkbox"/> 251--500	<input type="checkbox"/> \$3,500,001--\$5 million
<input type="checkbox"/> 501--750	<input type="checkbox"/> \$5,000,001--\$10 million
<input type="checkbox"/> 751--1,000	<input type="checkbox"/> \$10,000,001--\$17 million
<input type="checkbox"/> Over 1,000	<input type="checkbox"/> Over \$17 million

(9) (Complete only if the solicitation contains the clause at FAR 52.219-23, Notice of Price Evaluation Adjustment for Small Disadvantaged Business Concerns, or FAR 52.219-25, Small

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Disadvantaged Business Participation Program--Disadvantaged Status and Reporting, and the offeror desires a benefit based on its disadvantaged status.)

(i) General. The offeror represents that either--

(A) It  is,  is not certified by the Small Business Administration as a small disadvantaged business concern and identified, on the date of this representation, as a certified small disadvantaged business concern in the database maintained by the Small Business Administration (PRO-Net), and that no material change in disadvantaged ownership and control has occurred since its certification, and, where the concern is owned by one or more individuals claiming disadvantaged status, the net worth of each individual upon whom the certification is based does not exceed \$750,000 after taking into account the applicable exclusions set forth at 13 CFR 124.104(c)(2); or

(B) It  has,  has not submitted a completed application to the Small Business Administration or a Private Certifier to be certified as a small disadvantaged business concern in accordance with 13 CFR 124, Subpart B, and a decision on that application is pending, and that no material change in disadvantaged ownership and control has occurred since its application was submitted.

(ii)  Joint Ventures under the Price Evaluation Adjustment for Small Disadvantaged Business Concerns. The offeror represents, as part of its offer, that it is a joint venture that complies with the requirements in 13 CFR 124.1002(f) and that the representation in paragraph (c)(9)(i) of this provision is accurate for the small disadvantaged business concern that is participating in the joint venture. [The offeror shall enter the name of the small disadvantaged business concern that is participating in the joint venture: \_\_\_\_\_.]

(10) HUBZone small business concern. [Complete only if the offeror represented itself as a small business concern in paragraph (c)(1) of this provision.] The offeror represents, as part of its offer, that--

(i) It  is,  is not a HUBZone small business concern listed, on the date of this representation, on the List of Qualified HUBZone Small Business Concerns maintained by the Small Business Administration, and no material change in ownership and control, principal office, or HUBZone employee percentage has occurred since it was certified by the Small Business Administration in accordance with 13 CFR part 126; and

(ii) It  is,  is not a joint venture that complies with the requirements of 13 CFR part 126, and the representation in paragraph (c)(10)(i) of this provision is accurate for the HUBZone small business concern or concerns that are participating in the joint venture. [The offeror shall enter the name or names of the HUBZone small business concern or concerns that are participating in the joint venture: \_\_\_\_\_.] Each HUBZone small business concern participating in the joint venture shall submit a separate signed copy of the HUBZone representation.

(11) (Complete if the offeror has represented itself as disadvantaged in paragraph (c)(4) or (c)(9) of this provision.) The offeror shall check the category in which its ownership falls:

- Black American.  
 Hispanic American.  
 Native American (American Indians, Eskimos, Aleuts, or Native Hawaiians).  
 Asian-Pacific American (persons with origins from Burma, Thailand, Malaysia, Indonesia, Singapore, Brunei, Japan, China, Taiwan, Laos, Cambodia (Kampuchea), Vietnam, Korea, The

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Philippines, U.S. Trust Territory or the Pacific Islands (Republic of Palau), Republic of the Marshall Islands, Federated States of Micronesia, the Commonwealth of the Northern Mariana Islands, Guam, Samoa, Macao, Hong Kong, Fiji, Tonga, Kiribati, Tuvalu, or Nauru).

Subcontinent Asian (Asian-Indian) American (persons with origins from India, Pakistan, Bangladesh, Sri Lanka, Bhutan, the Maldives Islands, or Nepal).

Individual/concern, other than one of the preceding.

(11) HUBZone small business concern. [Complete only if the offeror represented itself as a small business concern in paragraph (c)(1) of this provision.] The offeror represents as part of its offer that-

(i) It  is,  is not a HUBZone small business concern listed, on the date of this representation, on the List of Qualified HUBZone Small Business Concerns Maintained by the Small Business Administration, and no material change in ownership and control, principal place of ownership, or HUBZone employee percentage has occurred since it was certified by the Small Business Administration in accordance with 13 CFR part 126; and

(ii) It  is,  is not a joint venture that complies with the requirements of 13 CFR part 126, and the representation in paragraph (c)(11)(i) of this provision is accurate for the HUBZone small business concern or concerns that are participating on the joint venture. [The offeror shall enter the name or names of the HUBZone small business concern or concerns that are participating in the joint venture: \_\_\_\_\_.] Each HUBZone small business concern participating in the joint venture shall submit a separate signed copy of the HUBZone representation.

(d) Representations required to implement provisions of Executive Order 11246--

(1) Previous contracts and compliance. The offeror represents that--

(i) It  has,  has not participated in a previous contract or subcontract subject to the Equal Opportunity clause of this solicitation; and

(ii) It  has,  has not filed all required compliance reports.

(2) Affirmative Action Compliance. The offeror represents that--

(i) It  has developed and has on file,  has not developed and does not have on file, at each establishment, affirmative action programs required by rules and regulations of the Secretary of Labor (41 CFR parts 60-1 and 60-2), or

(ii) It  has not previously had contracts subject to the written affirmative action programs requirement of the rules and regulations of the Secretary of Labor.

(e) Certification Regarding Payments to Influence Federal Transactions (31 U.S.C. 1352). (Applies only if the contract is expected to exceed \$100,000.) By submission of its offer, the offeror certifies to the best of its knowledge and belief that no Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress or an employee of a Member of Congress on his or her behalf in connection with the award of any resultant contract.

(f) Buy American Act Certificate. (Applies only if the clause at Federal Acquisition Regulation (FAR) 52.225-1, Buy American Act--Supplies, is included in this solicitation.)

(1) The offeror certifies that each end product, except those

CONTINUATION SHEET

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listed in paragraph (f)(2) of this provision, is a domestic end product and that the offeror has considered components of unknown origin to have been mined, produced, or manufactured outside the United States. The offeror shall list as foreign end products those end products manufactured in the United States that do not qualify as domestic end products. The terms "component," "domestic end product," "end product," "foreign end product," and "United States" are defined in the clause of this solicitation entitled "Buy American Act--Supplies."

(2) Foreign End Products:

Line Item No	Country of Origin
_____	_____
_____	_____
_____	_____

(List as necessary)

(3) The Government will evaluate offers in accordance with the policies and procedures of FAR Part 25.

(g)(1) Buy American Act--Free Trade Agreements--Israeli Trade Act Program Certificate. (Applies only if the clause at FAR 52.225-3, Buy American Act--Free Trade Agreements--Israeli Trade Act, is included in this solicitation.)

(i) The offeror certifies that each end product, except those listed in paragraph (g)(1)(ii) or (g)(1)(iii) of this provision, is a domestic end product and that the offeror has considered components of unknown origin to have been mined, produced, or manufactured outside the United States. The terms "component," "domestic end product," "end product," "foreign end product," and "United States" are defined in the clause of this solicitation entitled "Buy American Act--Free Trade Agreements--Israeli Trade Act."

(ii) The offeror certifies that the following supplies are FTA country end products or Israeli end products as defined in the clause of this solicitation entitled "Buy American Act--Free Trade Agreements--Israeli Trade Act":

FTA Country or Israeli End Products:

Line Item No	Country of Origin
_____	_____
_____	_____
_____	_____

(List as necessary)

(iii) The offeror shall list those supplies that are foreign end products (other than those listed in paragraph (g)(1)(ii) of this provision) as defined in the clause of this solicitation entitled "Buy American Act--Free Trade Agreements--Israeli Trade Act." The offeror shall list as other foreign end products those end products manufactured in the United States that do not qualify as domestic end products.

Other Foreign End Products:

Line Item No	Country of Origin
_____	_____
_____	_____
_____	_____

(List as necessary)

(iv) The Government will evaluate offers in accordance with the policies and procedures of FAR Part 25.

CONTINUATION SHEET

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VENDOR:

(2) Buy American Act--Free Trade Agreements--Israeli Trade Act Certificate, Alternate I (Jan 2004). If Alternate I to the clause at FAR 52.225-3 is included in this solicitation, substitute the following paragraph (g)(1)(ii) for paragraph (g)(1)(ii) of the basic provision:

(g)(1)(ii) The offeror certifies that the following supplies are Canadian end products as defined in the clause of this solicitation entitled "Buy American Act--Free Trade Agreements--Israeli Trade Act":

Canadian End Products:

Line Item No.

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

(List as necessary)

(3) Buy American Act--Free Trade Agreements--Israeli Trade Act Certificate, Alternate II (Jan 2004). If Alternate II to the clause at FAR 52.225-3 is included in this solicitation, substitute the following paragraph (g)(1)(ii) for paragraph (g)(1)(ii) of the basic provision:

(g)(1)(ii) The offeror certifies that the following supplies are Canadian end products or Israeli end products as defined in the clause of this solicitation entitled "Buy American Act--Free Trade Agreements--Israeli Trade Act":

Canadian or Israeli End Products:

Line Item No

Country of Origin

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

(List as necessary)

(4) Trade Agreements Certificate. (Applies only if the clause at FAR 52.225-5, Trade Agreements, is included in this solicitation.)

(i) The offeror certifies that each end product, except those listed in paragraph (g)(4)(ii) of this provision, is a U.S.-made, designated country, Caribbean Basin country, or FTA country end product, as defined in the clause of this solicitation entitled "Trade Agreements."

(ii) The offeror shall list as other end products those end products that are not U.S.-made, designated country, Caribbean Basin country, or FTA country end products.

Other End Products:

Line Item No

Country of Origin

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

(List as necessary)

(iii) The Government will evaluate offers in accordance with the policies and procedures of FAR Part 25. For line items subject to the Trade Agreements Act, the Government will evaluate offers of U.S.-made, designated country, Caribbean Basin country, or FTA country end products without regard to the restrictions of the Buy American Act. The Government will consider for award only offers of U.S.-made, designated country, Caribbean Basin

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VENDOR:

country, or FTA country end products unless the Contracting Officer determines that there are no offers for such products or that the offers for such products are insufficient to fulfill the requirements of the solicitation.

(h) Certification Regarding Debarment, Suspension or Ineligibility for Award (Executive Order 12549). (Applies only if the contract value is expected to exceed the simplified acquisition threshold.) The offeror certifies, to the best of its knowledge and belief, that the offeror and/or any of its principals--

(1)  Are,  are not presently debarred, suspended, proposed for debarment, or declared ineligible for the award of contracts by any Federal agency;

(2)  Have,  have not, within a three-year period preceding this offer, been convicted of or had a civil judgment rendered against them for: commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a Federal, state or local government contract or subcontract; violation of Federal or state antitrust statutes relating to the submission of offers; or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, tax evasion, or receiving stolen property; and

(3)  Are,  are not presently indicted for, or otherwise criminally or civilly charged by a Government entity with, commission of any of these offenses.

(i) Certification Regarding Knowledge of Child Labor for Listed End Products (Executive Order 13126). [The Contracting Officer must list in paragraph (i)(1) any end products being acquired under this solicitation that are included in the List of Products Requiring Contractor Certification as to Forced or Indentured Child Labor, unless excluded at 22.1503(b).]

(1) Listed end products.

Listed End Product

---

---

Listed Countries of Origin

---

---

(2) Certification. [If the Contracting Officer has identified end products and countries of origin in paragraph (i)(1) of this provision, then the offeror must certify to either (i)(2)(i) or (i)(2)(ii) by checking the appropriate block.]

(i) The offeror will not supply any end product listed in paragraph (i)(1) of this provision that was mined, produced, or manufactured in the corresponding country as listed for that product.

(ii) The offeror may supply an end product listed in paragraph (i)(1) of this provision that was mined, produced, or manufactured in the corresponding country as listed for that product. The offeror certifies that it has made a good faith effort to determine whether forced or indentured child labor was used to mine, produce, or manufacture any such end product furnished under this contract. On the basis of those efforts, the offeror certifies that it is not aware of any such use of child labor.

(End of provision)

**SPECIFICATION**

**1.0 Introduction**

- 1.1 This specification and the following NSWCCD-SSES drawings establish the requirements for the fabrication and delivery of one (1) Main Turbine Generator (MTG) foundation and two (2) different Auxiliary Turbine Generator (ATG #1 and ATG #2) foundations to the Naval Surface Warfare Center, Carderock Division, Ship Systems Engineering Station (NSWCCD-SSES), Philadelphia, PA:
  - Drawing Number 7625141, MTG Foundation Arrangement and Details
  - Drawing Number 7625142, ATG #1 Foundation Arrangement and Details
  - Drawing Number 7625143, ATG #2 Foundation Arrangement and Details
- 1.2 The Contractor shall fabricate, weld, inspect, machine, and paint the foundations in their facilities.
- 1.3 The MTG foundation shall be delivered in one (1) piece to NSWCCD-SSES 12 weeks after date of contract award. Both ATG #1 and ATG #2 foundations shall be delivered in one (1) piece to NSWCCD-SSES 8 weeks after date of contract award.

**2.0 Scope**

- 2.1 The Contractor shall furnish all labor, material, and equipment necessary to perform all work in accordance with the drawings, and specifications provided in this document.
- 2.2 The Contractor shall establish and maintain a program for the control of quality and workmanship during the manufacture and examination to insure that the foundation furnished under this specification shall meet the requirements hereinafter specified.
- 2.3 The Contractor shall be responsible for the procurement of materials, fabrication, machining, cleaning, surface preparation, painting, and packaging and shipping (complete and ready for placement) in this specification. The Contractor shall assume the responsibility of this product in transit.
- 2.4 Fabrication, welding and inspection specified on NSWCCD-SSES drawing numbers 7625141, 7625142, and 7625143 shall be in accordance with AWS D1.1 or MIL-STD-1689A (SH).
- 2.5 The contractor shall be responsible for reporting visual inspection of all welds by an AWS or MIL-STD-1689A (SH) certified inspector.
- 2.6 Welds for lifting lugs and vertical jacking pads (details 4D and 6A of Drawing Number 7625141, detail 4B of Drawing Number 7625142 and detail 4B of Drawing

Number 7625143)) shall be inspected in accordance with NAVSEA Technical Publication S9074-AR-GIB-010/278, Table VIII, Machinery Class M-2, Category A.

- 2.7 The contractor shall maintain all machining tolerances. Particularly noteworthy are the tolerances called out in the General Notes of each NSWCCD-SSES drawing.
- 2.8 All steel, except bottom plate of foundation and machined surfaces shall be cleaned and then painted with an anti-corrosive primer upon completion all welding and weld inspection. Finish with two coats of light gray (ANSI 61). Painting shall be accomplished in accordance with Steel Structures Painting Council (SSPC), refer to section 4.2.7. Unpainted and machined surfaces shall be preserved with a thin coat of Cosmoline or similar preservative.
- 2.9 The foundations shall be shipped in a manner that will ensure acceptance and safe delivery at destination. Supplier is responsible for damage during shipment.

### **3.0 Equipment and Services provided by the Government**

- 3.1 NSWCCD-SSES shall offload the foundations at NSWCCD-SSES.

### **4.0 Applicable Documents**

- 4.1 The following specifications, standards and codes, latest editions, form part of this specification. The design of the three foundations identified in this specification shall be in compliance with all applicable sections herein.
- 4.2 Referenced Specifications, Standards, and Codes:
  - 4.2.1 American Welding Society (AWS) D1.1 Structural Welding Code - Steel
  - 4.2.2 NAVSEA Technical Publication, S9074-AR-GIB-010/278
  - 4.2.3 MIL-STD-1689A (SH)
  - 4.2.4 American National Standards Institute (ANSI) 61 for Paint
  - 4.2.5 American Society for Testing and Materials (ASTM) A36 for Carbon Structural Steel
  - 4.2.6 NSWCCD-SSES Drawing 7625141, Main Turbine Generator Foundation Arrangement And Details
  - 4.2.7 Steel Structures Painting Council (SSPC)

## 5.0 Technical Data

- 5.1 Welding Procedure Specification (WPS), Welding Procedure Qualification Record (PQR), Welder Performance Qualification (WPQ), and Quality Assurance (QA)/Quality Control (QC) program shall be submitted to the Government within 5 days of receipt of contract for review and approval prior to proceeding with any fabrication work. The Government will review and comment on qualifications and procedures 3 days after receipt of the package.

## 6.0 Release for Manufacture

- 6.1 The Government will provide a release for manufacture to the Contractor following review and approval of the technical data (Paragraph 5.1).

## 7.0 Inspection and Testing

- 7.1 The Contractor shall notify the Government two weeks prior to the shipping date. The Government reserves the right to conduct an in-plant inspection of the foundations prior to packaging for shipment.

## 8.0 Shipping

### 8.1 Packaging

- 8.1.1 Foundations shall be packed for shipping in a manner that will ensure acceptance and safe delivery at destination. Supplier is responsible for damage during shipment.

- 8.1.2 Foundations shall be marked with the Contract Number and the name of the item (i.e., MTG, ATG #1, ATG #2).

- 8.1.3 Shipping Address: Receiving Officer  
NSWC Carderock Division  
1601 Langley Avenue, Bldg 542 East  
Philadelphia, Pa 19112-5051  
Attn: Howard Feinstein, Code 9112

## 9.0 Contractor Data Requirements

- 9.1 The Contractor shall submit three (3) copies of the welding procedures and qualification documents to include WPS, PQR, WPQ and QA/QC as required by AWS Structural Welding Code-Steel AWS D1.1 five (5) days after award of contract.
- 9.2 The Contractor shall submit three (3) copies of the weld inspection reports within five (5) days after the inspection has been completed.

## 10. List Of Deliverables

Item	Qty	Description	Due after Date of Contract
0001	1 Lot	Welding Procedure Specification (WPS), Welding Procedure Qualification Record (PQR), Welder Performance Qualification, and Quality Assurance/Control (QA/QC).	5 Days
0002	1 Lot	Weld inspection reports per sections 2.4 and 2.5	12 Weeks
0003	1	MTG Foundation	12 Weeks
0004	1	ATG #1 Foundation	8 Weeks
0005	1	ATG #2 Foundation	8 Weeks

## 11.0 GOVERNMENT FURINSHED INFORMATION (GFI)

- 11.1 NSWCCD-SSES Drawing Number 7625141, Main Turbine Generator Foundation Arrangement and Details
- 11.2 NSWCCD-SSES Drawing Number 7625142, ATG #1 Foundation Arrangement and Details
- 11.3 NSWCCD-SSES Drawing Number 7625143, ATG #2 Foundation Arrangement and Details

## 12.0 GOVERNMENT FURINSHED MATERIAL (GFM)

- 12.1 None

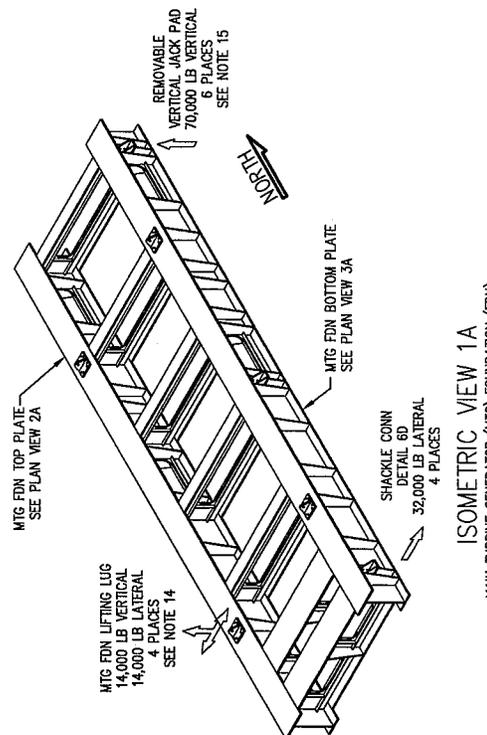
NG5540-04-Q-0530  
ATTACHMENT II

**GENERAL NOTES**

- DEVIATIONS FROM THIS DRAWING ARE NOT PERMITTED WITHOUT APPROVAL FROM THE NSWCDD-SSS PROGRAM OFFICE (CODE 9112).
- DIMENSIONS FOR WHICH NO SPECIFIED TOLERANCE IS GIVEN SHALL BE CONTROLLED AS FOLLOWS:  
UNDER 1/2" +/- .032"  
1/2" - 1 1/8" +/- .032"  
OVER 1 1/8" +/- .032"  
OVER 14" +/- .315"
- STRUCTURAL STEEL SHALL CONFORM TO ASTM A36.
- FABRICATION, WELDING AND INSPECTION SPECIFIED ON THIS DRAWING SHALL BE IN ACCORDANCE WITH AWS D1.1 OR MIL-STD-1689A (SH).
- ELECTRODE SPECIFICATION SHALL BE E70XX.
- GRIND SMOOTH ALL SHARP CORNERS AND ROUGH EDGES LIABLE TO CAUSE INJURY TO PERSONNEL OR DAMAGE EQUIPMENT.
- BUTTS AND SEAMS MAY BE LOCATED TO SUIT AVAILABLE MATERIALS AND FACILITATE CONSTRUCTION.
- SHIMS AND SCALLOPS SHALL BE 1/2" X 1/2" UNLESS OTHERWISE NOTED.
- CONTRACTOR SHALL BE RESPONSIBLE FOR VISUAL INSPECTION OF ALL WELDS BY AN AWS OR MIL-STD-1689A (SH) CERTIFIED INSPECTOR.
- ALL STEEL, EXCEPT BOTTOM PLATE OF FOUNDATION AND MACHINED SURFACES, SHALL BE CLEANED AND PAINTED WITH AN ANTI-CORROSION PRIMER UPON COMPLETION OF ALL WELDING AND WELD INSPECTION. FINISH WITH TWO COATS OF A LIGHT GRAY (ANSI 61) PAINT. PROVIDE (1) GALLON FOR TOUCH UP WORK. ALL WELDS SHALL BE PRESERVED WITH A THIN COAT OF COSHOLINE OR SIMILAR PRESERVATIVE.
- INSTALLATION AND ALIGNMENT OF THE MTG AND ITS FOUNDATION SHALL BE IN ACCORDANCE WITH REFERENCE 2.
- WELDS FOR LIFTING LUGS, DETAIL 4D AND VERTICAL JACKING PADS, DETAIL 6A SHALL BE INSPECTED IN ACCORDANCE WITH MINNESA TECH PUB. 55-49-AR-GR-010276, TABLE VIII, MACHINERY CLASS P-2, CATEGORY A.
- ERECTION SEATS, TEMPORARY BRACING AND OTHER STEEL REQUIRED FOR CONSTRUCTION SHALL BE PROVIDED BY ERECTOR TO SUIT ERECTION PRACTICE SEQUENCE.
- THE LIFTING LUGS, DETAIL 4D ARE DESIGNED FOR LIFT OF THE FOUNDATION ONLY WITH THE LUGS AND WELDS AS SHOWN. EACH LUG HAS A DESIGN CAPACITY OF 14,000 LBS VERTICAL AND 14,000 LBS HORIZONTAL.
- THE REMOVABLE VERTICAL JACKING PADS, DETAIL 6A, ARE DESIGNED FOR LIFT OF THE COMBINED GENERATOR SET AND FOUNDATION WITH THE LOADS EQUALLY DISTRIBUTED ON ALL 6 PADS. EACH PAD HAS A DESIGN CAPACITY OF 70,000 LBS VERTICAL.
- VERTICAL JACKING PADS SHALL BE CONSTRUCTED TO ACHIEVE A SLIDING FIT BETWEEN THE VERTICAL STIFFENERS, EACH OF THE (6) JACKING PADS IS TO BE MATCH MARKED WITH THE FOUNDATION LOCATION.
- PLANE 'A' SHALL BE FLAT WITHIN 1/4".
- PLANES 'B' AND 'C' SHALL BE PERPENDICULAR TO PLANE 'D' AND 'A' WITHIN 1/4".
- PLANES 'D' AND 'E' SHALL BE PARALLEL WITHIN 3/8".
- PLANES 'F' AND 'A' SHALL BE PARALLEL WITHIN 1/4".
- PLANE 'F' SHALL BE MACHINED TO 0.05" TIR TO ACHIEVE A NOMINAL FINISHED HEIGHT OF 42.36" FROM PLANE 'A' AS SHOWN IN DETAIL 6C. WHEN PLANE 'A' IS SECURE BY HOLD DOWN BOLTS TO THE TRUE-SURFACE MACHINERY PAD AT THE LBTS.
- HOIST HOLES SHALL BE LOCATED WITHIN 0.0625" OF DIMENSIONAL TRUE POSITION AS MEASURED FROM THE FOUNDATION WORKING POINT (FDN WP).
- IF THE FABRICATOR CAN ENSURE THAT DIMENSIONS AND TOLERANCES ARE MET, THEN 5/16" CONTINUOUS WELD MAY BE USED IN LIEU OF 1/8" SEAL WELD AND 5/16" STAGGERED SKIP WELD, WHERE NOTED.

**LIST OF MATERIAL**

ITEM	QTY	DESCRIPTION	MATERIAL	SPECIFICATION	REMARKS
1	2	2" PLATE SIZE = 46"-6" x 2'-6"	CARBON STEEL	ASTM A-36	SEE PLAN VIEW 2A
2	2	2" PLATE SIZE = 9'-10" x 2'-6"	CARBON STEEL	ASTM A-36	SEE PLAN VIEW 2A
3	2	1 1/4" PLATE SIZE = 46"-6" x 1'-6"	CARBON STEEL	ASTM A-36	SEE PLAN VIEW 3A
4	2	1 1/4" PLATE SIZE = 10'-10" x 1'-6"	CARBON STEEL	ASTM A-36	SEE PLAN VIEW 3A
5	10	1 1/4" PLATE SIZE = 9'-10" x 1'-0"	CARBON STEEL	ASTM A-36	SEE PLAN VIEW 2A & 3A
6	2	1" PLATE SIZE = 46"-6" x 3'-3 1/2"	CARBON STEEL	ASTM A-36	SEE ELEVATION 3B
7	7	1" PLATE SIZE = 12'-3" x 3'-3 1/2"	CARBON STEEL	ASTM A-36	SEE SECTION 4A & 4B
8	42	1" PLATE SIZE = 3'-3 1/2" x 1'-2 1/2"	CARBON STEEL	ASTM A-36	SEE SECTION 4C
9	540	2 1/2" x 1/2" FLATBAR	CARBON STEEL	ASTM A-36	SEE ELEVATION 3B, SECTION 4A & 4B
10	4	1 1/2" PLATE 1'-3" x 1'-3"	CARBON STEEL	ASTM A-36	SEE DETAIL 4D
11	4	1 1/2" PLATE 1'-2" x 1 1/2"	CARBON STEEL	ASTM A-36	SEE DETAIL 4D
12	6	1 1/2" PLATE 1'-7 1/2" x 8"	CARBON STEEL	ASTM A-36	SEE DETAIL 6A
13	12	3/4" PLATE 1'-7 1/2" x 8"	CARBON STEEL	ASTM A-36	SEE DETAIL 6A
14	12	3/4" PLATE 1 1/4" x 4"	CARBON STEEL	ASTM A-36	SEE DETAIL 6A
15	6	3/16" PLATE 6" DIA	CARBON STEEL	ASTM A-36	SEE DETAIL 6A
16	72	BOLT, HEX HD, 7/8"-9UNC-2A 3 1/2" LG	CARBON STEEL	ASTM A-490	SEE DETAIL 6A
17	72	HEX NUT, 7/8"-9UNC-2B	CARBON STEEL	ASTM A-563	SEE DETAIL 6A
18	8	3/16" PLATE CUT TO SUIT	CARBON STEEL	ASTM A-36	SEE DETAIL 6D



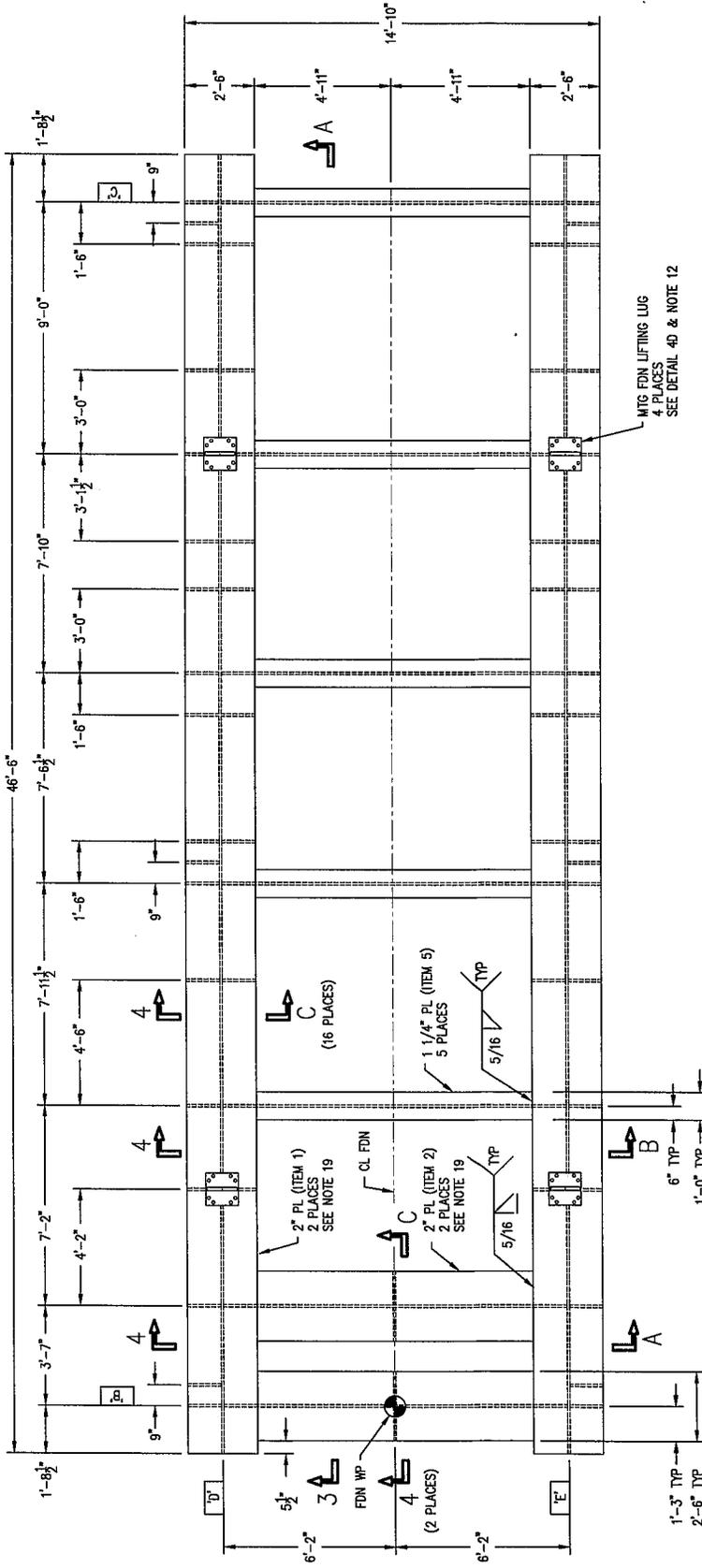
**REVISIONS**

No.	TITLE	DATE
3	ROLLS ROYCE DRAWING GENERATOR, SET INSTALLATION	MM100052
2	DD(X) IPS LBTS MTG INSTALLATION	7625271
1	DD(X) IPS LBTS MACHINERY ARRANGEMENT	7625122

**REFERENCES**

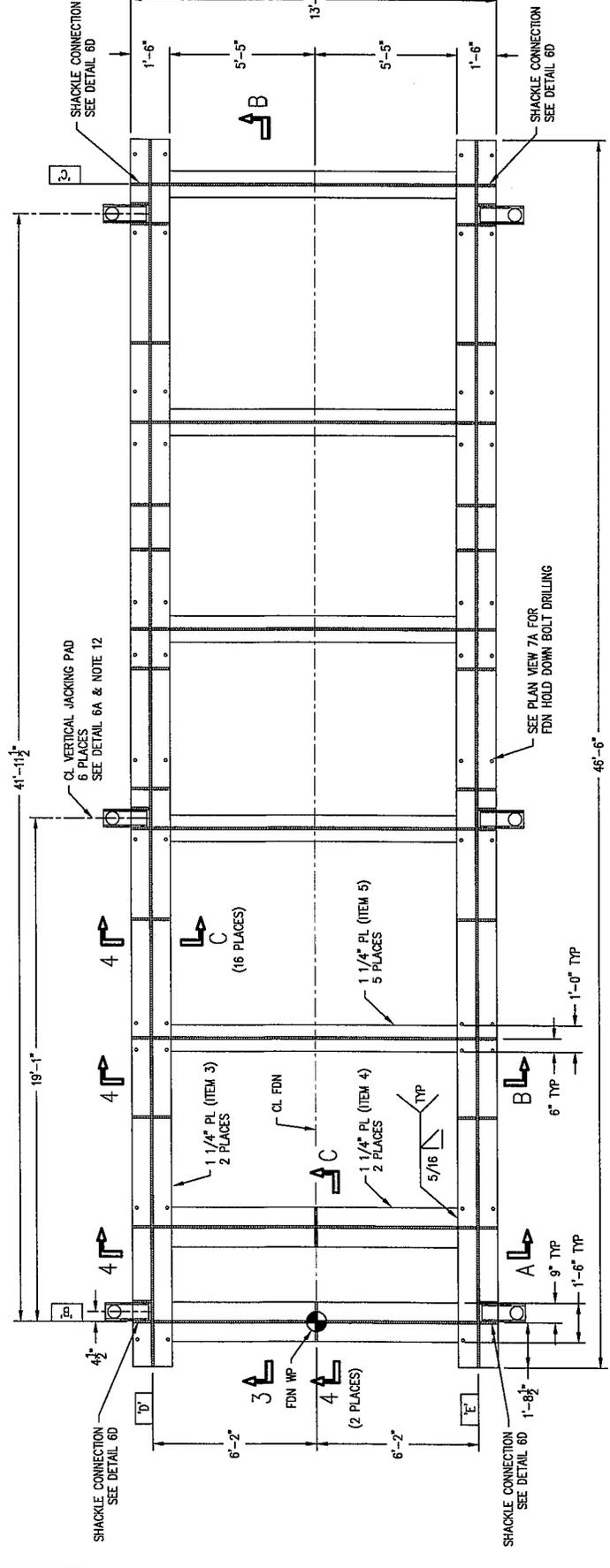
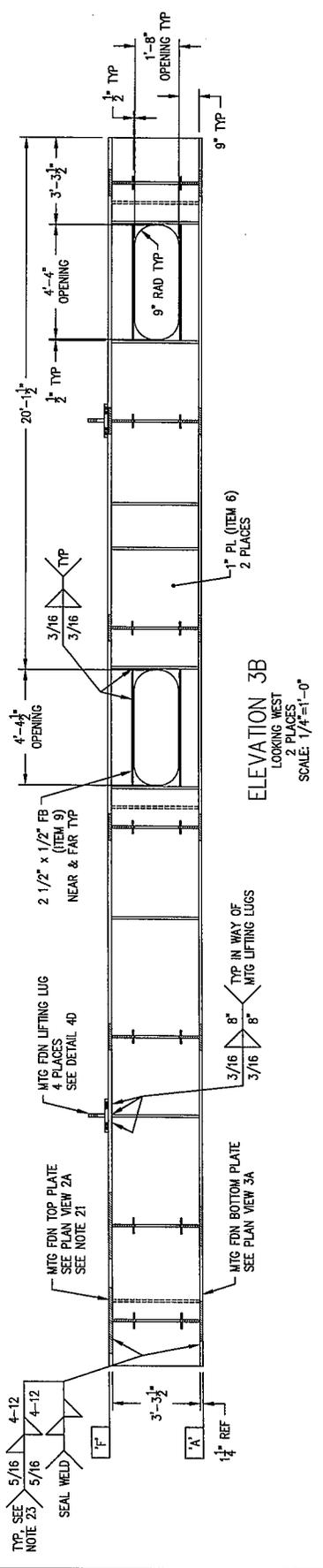
CONTRACT No. N65540-00-D-0064	OFFICIAL	SIGNATURE	DATE
NSWCDD/SSS PROGRAM OFFICE	DRAWN BY R.S. Fox		11/11/03
	CHECKED BY F. Stiemer		11/17/03
	PROJ. MGR M. Lomberto		11/20/03
6981 NORTH PARK DRIVE SUITE 400 WEST PENNSAUKEN, NJ 08109-4205	APPROVED NSWCDD-SSS		DATE
	TECH REVIEW M. Lomberto		6/24/04
	PROG MGR M. Lomberto		6/28/04

DD(X) INTEGRATED POWER SYSTEM (IPS) LAND BASED TEST SITE (LBTS) NSWCDD-SSS, BUILDING 77H, PHILADELPHIA, PA.	MAIN TURBINE GENERATOR FOUNDATION ARRANGEMENT AND DETAILS
SIZE B	CODE IDENT 89256
DRAWING No. 7625141	REV --
SCALE: NONE	
SHEET 1 of 7	



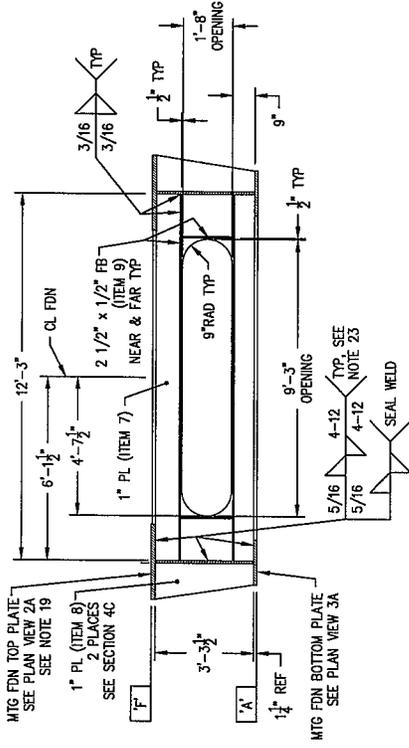
PLAN VIEW 2A  
MTG FDN - TOP PLATE ARRANGEMENT  
SCALE: 1/4"=1'-0"

DD(X) IPS LBTS, BLDG 77H		MTG FDN		TOP PLATE	
SIZE	CODE IDENT	DRAWING No.	REV		
B	89256	7625141	-		
SCALE: AS NOTED			SHEET 2		



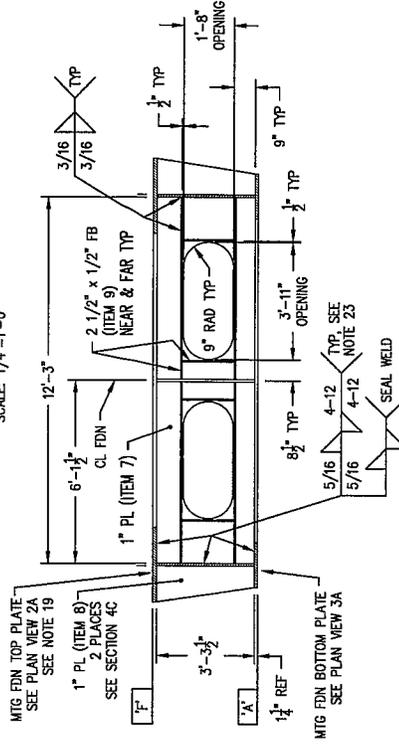
DD(X) IPS LBTS, BLDG 77H	
MTG FDN	
BOTTOM PLATE & ELEVATION	
SIZE	DRAWING No.
B	7625141
CODE IDENT	REV
89256	-
SCALE: AS NOTED	
SHEET 3	

NORTH



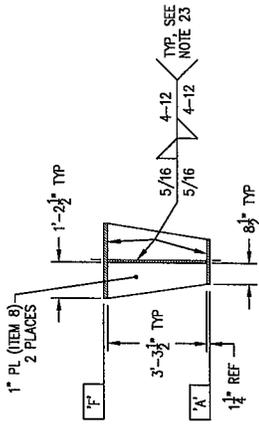
SECTION 4B

LOOKING NORTH  
5 PLACES  
SCALE: 1/4"=1'-0"



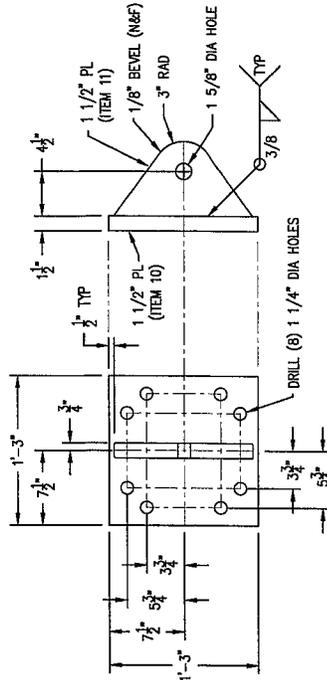
SECTION 4A

LOOKING NORTH  
2 PLACES  
SCALE: 1/4"=1'-0"



SECTION 4C

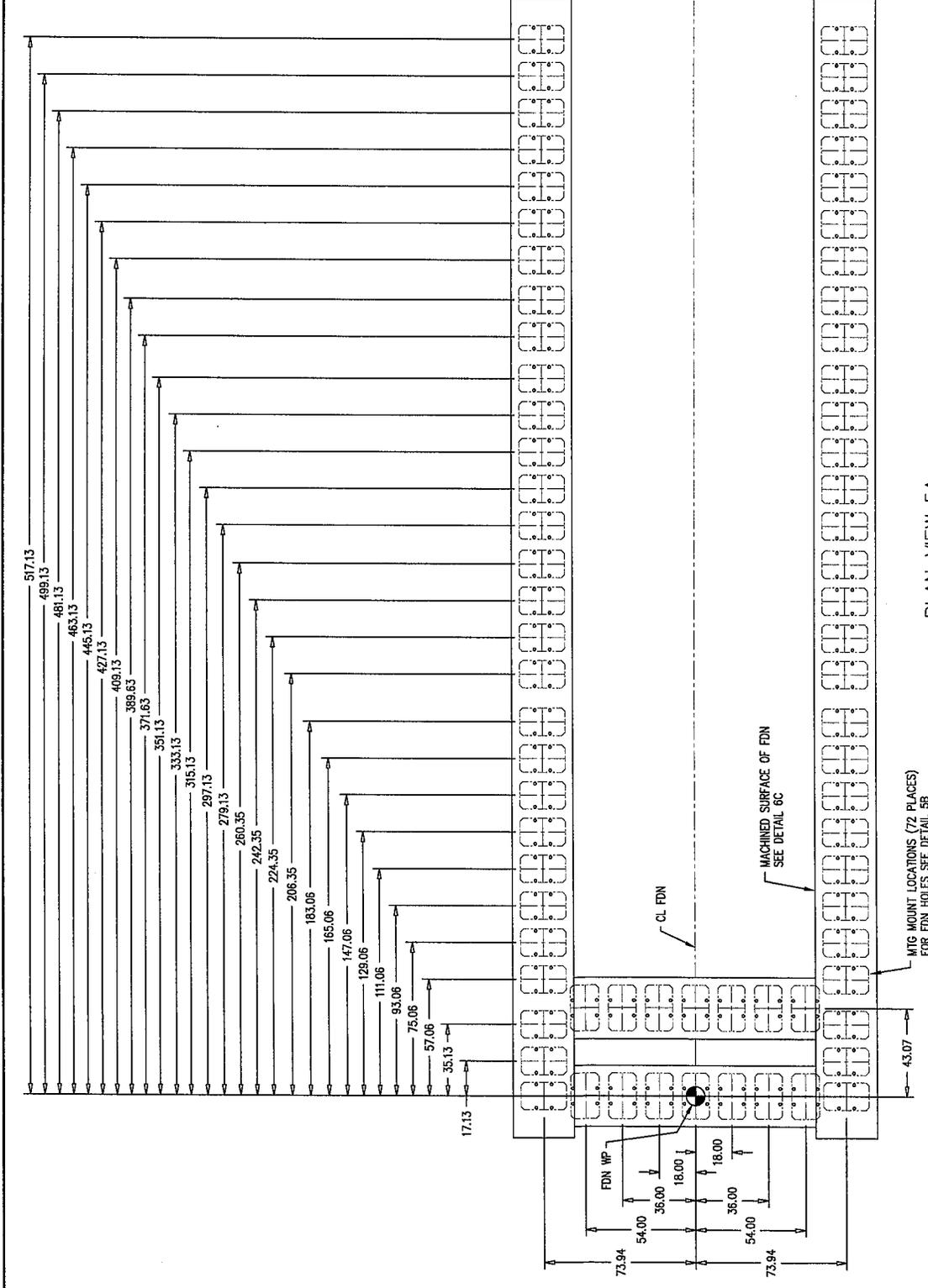
TYPICAL STIFFENER  
SCALE: 1/4"=1'-0"



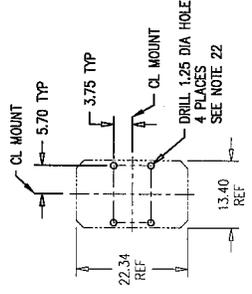
DETAIL 4D

MTG LIFTING LUG  
4 REQUIRED  
SCALE: 1"=1'-0"

DD(X) IPS LBTS, BLDG 77H		MTG FDN	
SECTIONS & DETAILS			
SIZE	CODE IDENT	DRAWING No.	REV
B	89256	7625141	-
SCALE: AS NOTED			SHEET 4



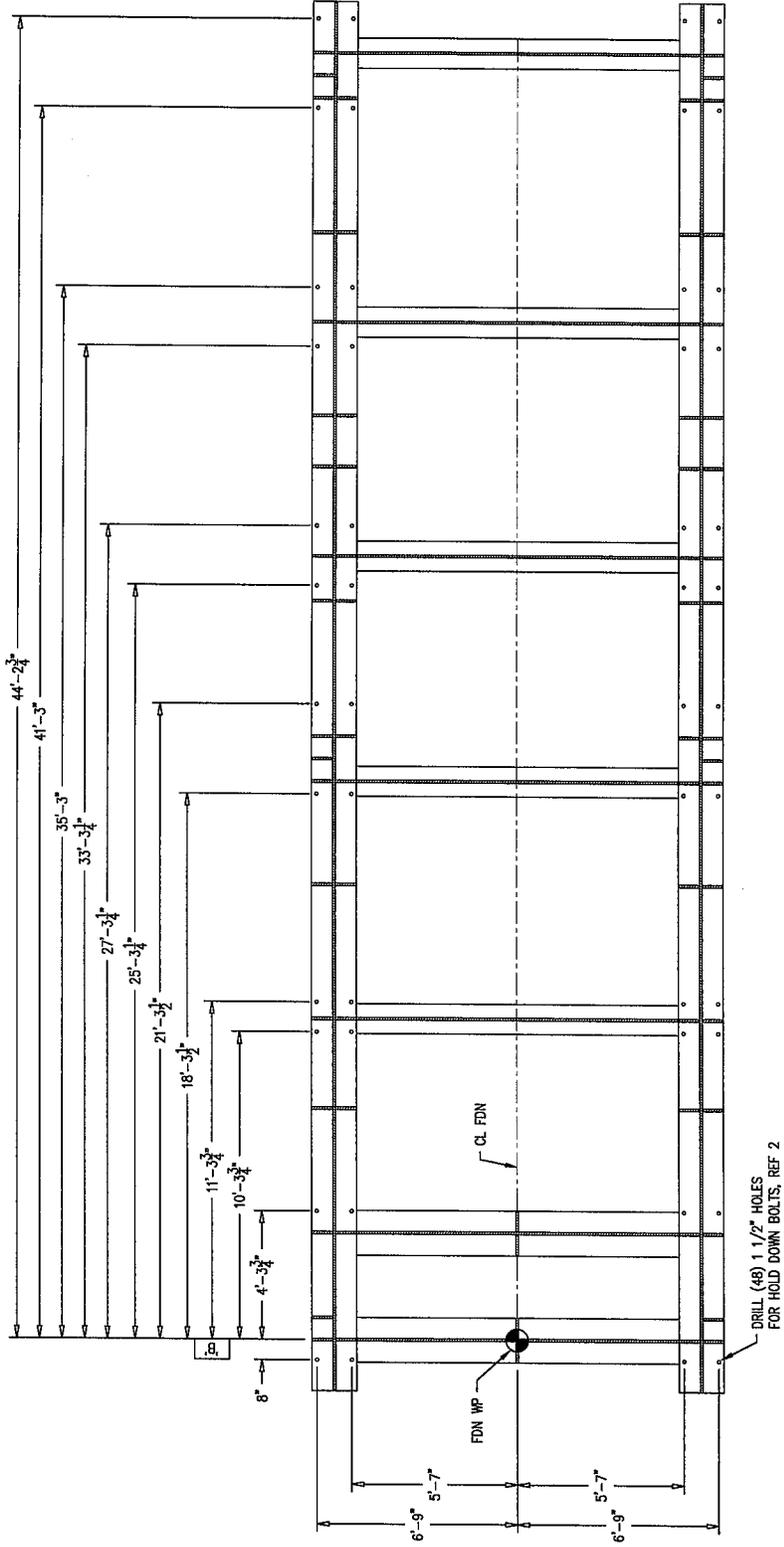
PLAN VIEW 5A  
MTG MOUNT LOCATIONS  
FOR FDN HOLES SEE DETAIL 5B  
SCALE: 1/4"=1'-0"



DETAIL 5B  
TYPICAL MOUNT DRILLING PATTERN  
72 PLACES  
SCALE: 1/2"=1'-0"

DD(X) IPS LBYS, BLDG 77H		MTG MOUNT LOCATIONS & DRILLING	
MTG FDN		DRAWING No. 7625141	
SIZE	CODE IDENT	REV	REV
B	89256	—	—
SCALE: AS NOTED			SHEET 5





PLAN VIEW 7A  
DRILLING FOR HOLD DOWN BOLTS IN MTG FDN BOTTOM PLATE  
SCALE: 1/4"=1'-0"



DD(X) IPS LBTS, BLDG 77H		SHEET 7	
MTG FDN			
DRILLING FOR HOLD DOWN BOLTING			
SIZE	CODE IDENT	DRAWING No.	REV
B	89256	7625141	-
SCALE: AS NOTED			

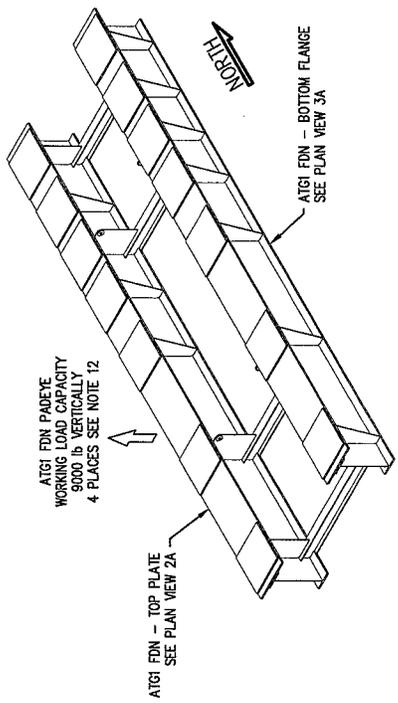
NG 5540-04-Q-0530  
ATTACHMENT III

**GENERAL NOTES**

- DEVIATIONS FROM THIS DRAWING ARE NOT PERMITTED WITHOUT APPROVAL FROM THE NSWCDC-SSS PROGRAM OFFICE (CODE 9112).
- DIMENSIONS FOR WHICH NO SPECIFIED TOLERANCE IS GIVEN SHALL BE CONTROLLED AS FOLLOWS:  
 +/- .132"  
 UNDER 12"  
 12" TO 72"  
 OVER 72" TO 144"  
 OVER 144"  
 +/- .18"  
 +/- .16"  
 +/- .316"
- FABRICATION, WELDING AND INSPECTION SPECIFIED ON THIS DRAWING SHALL BE IN ACCORDANCE WITH AWS D1.1 OR MIL-STD-1689A (SH).
- ELECTRODE SPECIFICATION SHALL BE E70XX.
- GRIND SMOOTH ALL SHARP CORNERS AND ROUGH EDGES LIABLE TO CAUSE INJURY TO PERSONNEL OR DAMAGE EQUIPMENT.
- BUTTS AND SEAMS MAY BE LOCATED TO SUIT AVAILABLE MATERIALS AND FACILITATE CONSTRUCTION.
- SNIPES AND SCALLOPS SHALL BE 1" X 1" UNLESS OTHERWISE NOTED.
- CONTRACTOR SHALL BE RESPONSIBLE FOR VISUAL INSPECTION OF ALL WELDS BY AN AWS OR MIL-STD-1689A (SH) CERTIFIED INSPECTOR.
- ALL STEEL EXCEPT BOTTOM PLATE OF FOUNDATION AND MACHINED SURFACES, SHALL BE CLEANED AND PAINTED WITH AN ANTI-CORROSION PRIMER UPON COMPLETION OF ALL WELDING AND WELD INSPECTION. FINISH WITH TWO COATS OF LIGHT GRAY (ANSI 6) PAINT. PROVIDE 1 GALLON FOR TOUCH-UP AFTER INSTALLATION. UNPAINTED AND MACHINED SURFACES SHALL BE PRESERVED WITH A THIN COAT OF COSMOLINE OR SIMILAR PRESERVATIVE.
- INSTALLATION AND ALIGNMENT OF THE ATGI AND ITS FOUNDATION SHALL BE IN ACCORDANCE WITH REFERENCE 2.
- WELDS FOR LIFTING LUGS, DETAIL 4D SHALL BE INSPECTED IN ACCORDANCE WITH NAVSEA TECHNICAL PUBLICATION 59074-AR-GIB-010/276, TABLE VIII, MACHINERY CLASS M-2, CATEGORY A.
- THE LIFTING LUGS, SECTION 4B ARE DESIGNED FOR LIFT OF THE FOUNDATION ONLY. THE FOUNDATION WEIGHT IS 18,300 LBS.
- PLANE 'X' SHALL BE FLAT WITHIN 1/4".
- PLANES 'B' AND 'C' SHALL BE PERPENDICULAR TO PLANE 'D' AND 'X' WITHIN 1/4".
- PLANES 'D' AND 'E' SHALL BE PARALLEL WITHIN 3/8".
- PLANES 'F' AND 'X' SHALL BE PARALLEL WITHIN 1/4".
- PLANE 'Y' SHALL BE MACHINED TO A FINISHED HEIGHT OF 35.45" FROM PLANE 'X' AS SHOWN IN SECTION 4A, 4B AND 4C. THE TOPS OF THE ROCKET SUPPORT PLATES (ITEM 6) SHALL BE WITHIN 0.050 TIR OF PLANE 'Y'. THE TOP OF EACH SUPPORT PLATE (ITEM 6) SHALL BE FLAT WITHIN 0.005 TIR.
- MOUNT HOLES SHALL BE LOCATED WITHIN 0.063 OF DIMENSIONAL TRUE POSITION AS MEASURED FROM THE FOUNDATION WORKING POINT (FDN WP).
- IF THE FABRICATOR CAN ENSURE THAT DIMENSIONS AND TOLERANCES ARE MAINTAINED AS SPECIFIED, THE FABRICATOR MAY BE USED IN LIEU OF 1/8" SEAL WELD AND 3/16" STAGGERED SKIP WELD, WHERE NOTED.

**LIST OF MATERIAL**

ITEM	QTY	DESCRIPTION	MATERIAL	SPECIFICATION	REMARKS
1	2	W33 x 152 BEAM LENGTH = 27'-8"	CARBON STEEL	ASTM A-992	SEE PLAN VIEW 2A & 3A
2	4	W8 x 18 BEAM LENGTH = 7'-3"	CARBON STEEL	ASTM A-992	SEE PLAN VIEW 3A CUT TO SUIT
3	2	1" PLATE SIZE = 27'-8" x 2'-3 1/2"	CARBON STEEL	ASTM A-36	SEE PLAN VIEW 2A
4	20	1/2" PLATE SIZE = 2'-8 1/2" x 1'-1 1/2"	CARBON STEEL	ASTM A-36	SEE SECTION 4A, 4B & 4C CUT TO SUIT
5	4	1/2" PLATE SIZE = 2'-1 1/2" x 1'-6 15/16"	CARBON STEEL	ASTM A-36	SEE SECTION 4B CUT TO SUIT
6	14	1 1/4" PLATE (MACHINED SURFACE) SIZE = 2'-3" x 2'-3"	CARBON STEEL	ASTM A-36	SEE PLAN VIEW 2A
7	4	3/16" PLATE SIZE = 3 7/8" O.D. x 1 7/16" I.D.	CARBON STEEL	ASTM A-36	SEE SECTION 4B
8	4	1/2" PLATE SIZE = 2'-1 1/2" x 1'-1 1/2"	CARBON STEEL	ASTM A-36	SEE SECTION 4C CUT TO SUIT



**ISOMETRIC VIEW 1A**  
AUXILIARY TURBINE GENERATOR (ATG) 1 FOUNDATION (FDN)  
SCALE: NONE

**REVISIONS**

No.	TITLE	DRIVING No.
3	TURBINE/SET ARRANGEMENT	LS9449
2	DD(X) IPS LBTS ATGI INSTALLATION	7625272
1	DD(X) IPS LBTS MACHINERY ARRANGEMENT	7625122

**REFERENCES**

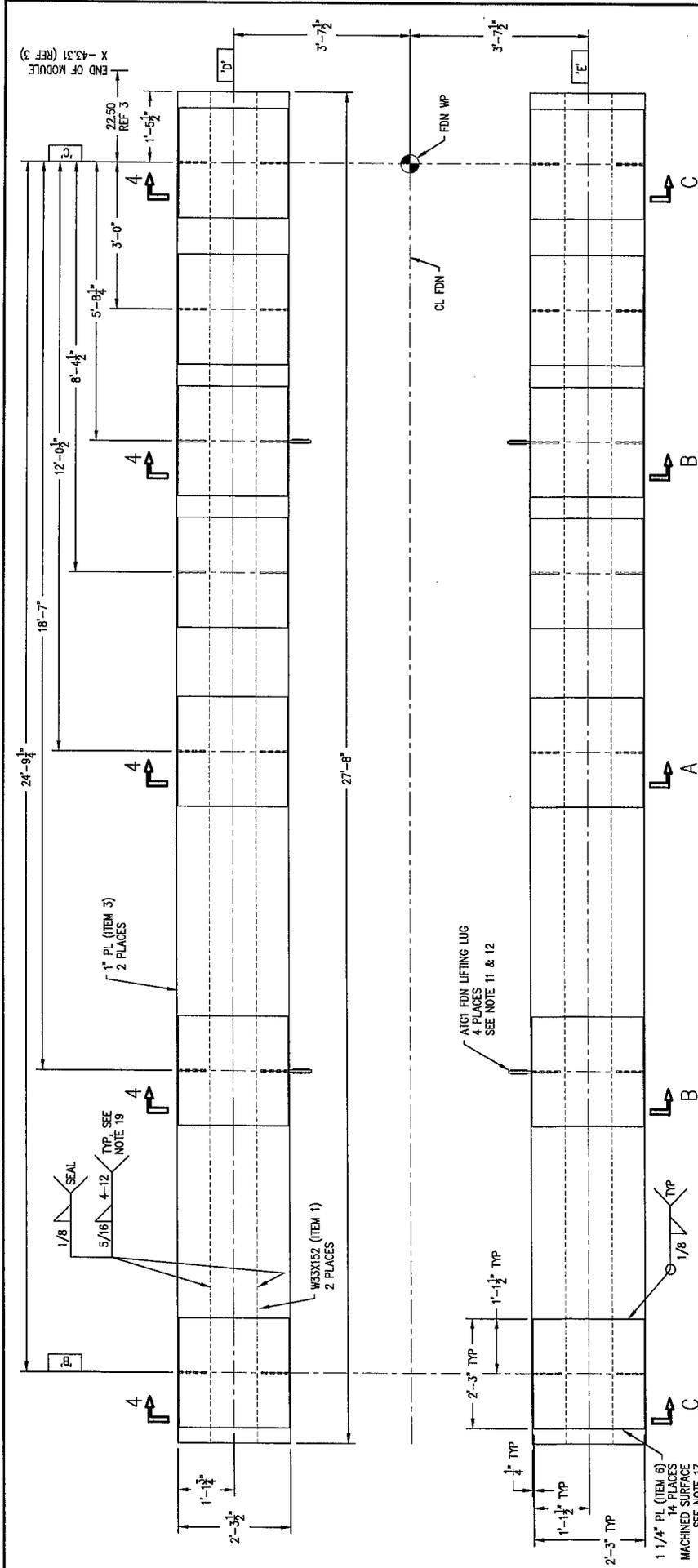
CONTRACT No.	DATE
N65540-00-D-0064	1/7/04
NSWCDC-SSS Information Technology	1/9/04
6881 NORTH PARK DRIVE SUITE 400 WEST PENNSAUKEN, NJ 08109-4205	1/16/04
TECH REVIEW	DATE
PROG MGR	6/24/04
TECH REVIEW	DATE
PROG MGR	6/28/04

ATG No. 1 FOUNDATION  
ARRANGEMENT AND DETAILS

SIZE	CODE IDENT	DRAWING No.	REV
B	89256	7625142	-

SCALE: NONE

SHEET 1 of 5

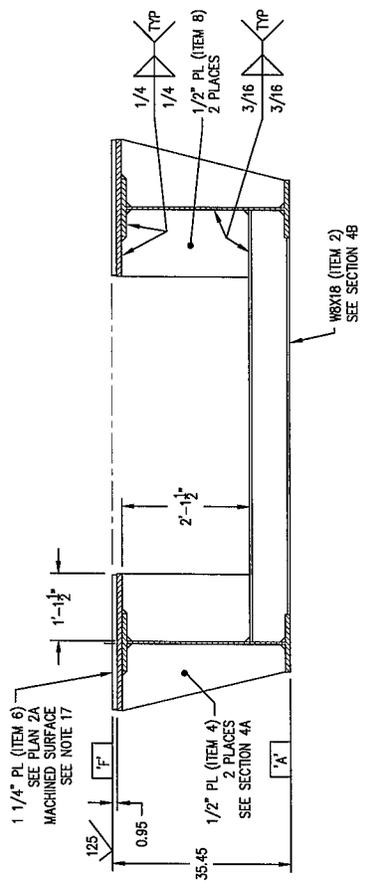


PLAN VIEW 2A  
 ATGI FDN - TOP PLATE ARRANGEMENT  
 SCALE: 1/2"=1'-0"

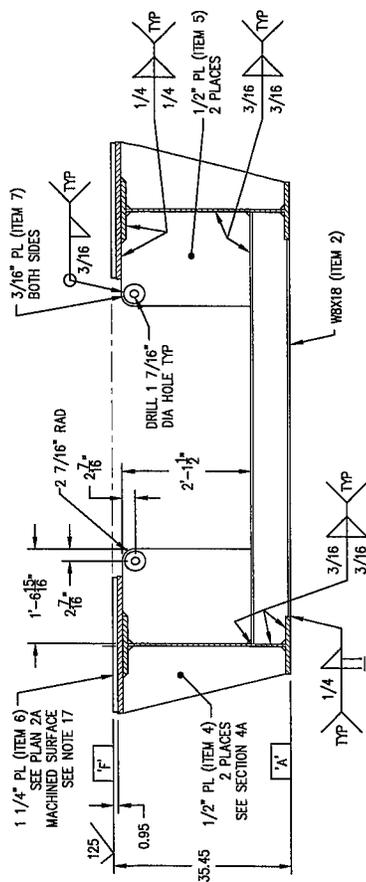


DD(X) IPS LBTS. BLDG 77H	
ATGI FDN	
TOP PLATE	
SIZE	REV
B	-
CODE IDENT	DRAWING No.
89256	7625142
SCALE: AS NOTED	
SHEET 2	

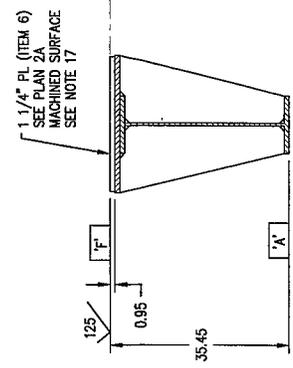




**SECTION 4C**  
 TYPICAL 2 PLACES  
 LOOKING NORTH  
 SCALE: 1/2"=1'-0"

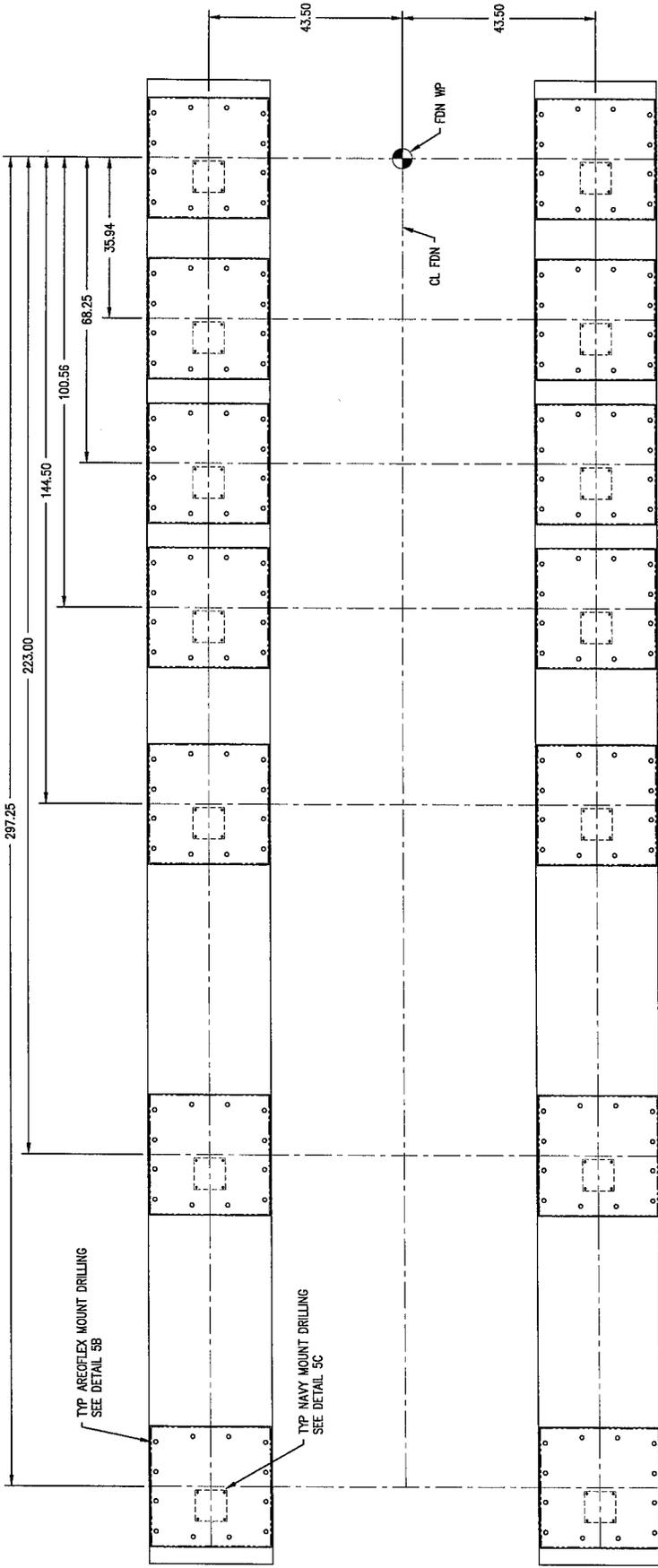


**SECTION 4B**  
 TYPICAL 2 PLACES  
 LOOKING NORTH  
 SCALE: 1/2"=1'-0"

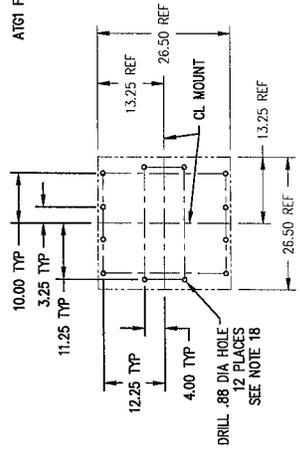


**SECTION 4A**  
 TYPICAL 3 PLACES  
 LOOKING NORTH  
 SCALE: 1/2"=1'-0"

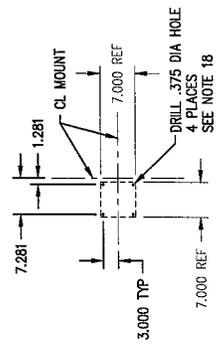
DD(X) IPS LBTS, BLDG 77H	
ATG1 FDN	
SECTIONS	
SIZE	REV
B	-
CODE IDENT	DRAWING No.
89256	7625142
SCALE: AS NOTED	
SHEET 4	



PLAN VIEW 5A  
 ATG1 FDN - MOUNT LOCATIONS AND DRILLING  
 SCALE: 1/2"=1'-0"



DETAIL 5B  
 TYPICAL AEROFLEX MOUNT DRILLING PATTERN  
 14 PLACES  
 SCALE: 1/2"=1'-0"



DETAIL 5C  
 TYPICAL NAVY MOUNT DRILLING PATTERN  
 14 PLACES  
 SCALE: 1/2"=1'-0"

DD(X) IPS LBTS, BLDG 77H	
ATG1 FDN	
MOUNT LOCATION & DRILLING	
SIZE	REV
B	—
CODE IDENT	DRAWING No.
89256	7625142
SCALE: AS NOTED	
SHEET 5	

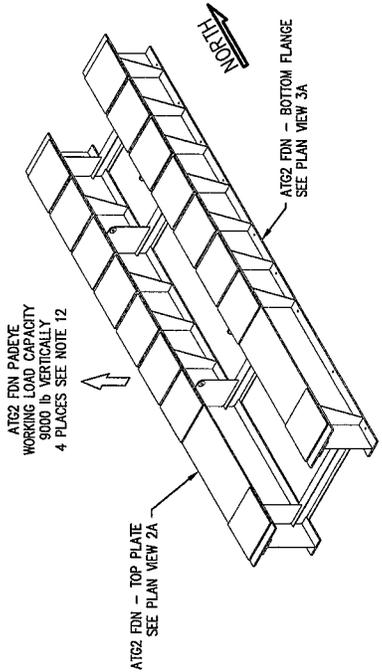
N65540-04-Q-0530  
ATTACHMENT IV

**GENERAL NOTES**

1. DEVIATIONS FROM THIS DRAWING ARE NOT PERMITTED WITHOUT APPROVAL FROM THE NSWCDD-SSES PROGRAM OFFICE (CODE 9112).
2. DIMENSIONS FOR WHICH NO SPECIFIED TOLERANCE IS GIVEN SHALL BE CONTROLLED AS FOLLOWS:  
 4+/- .132"  
 12+/- .125"  
 4+/- .128"  
 12+/- .125" TO 144"  
 OVER 144"  
 4+/- .316"
3. FABRICATION, WELDING AND INSPECTION SPECIFIED ON THIS DRAWING SHALL BE IN ACCORDANCE WITH AWS D1.1 OR MIL-STD-1689A (SH).
4. ELECTRODE SPECIFICATION SHALL BE E70XX.
5. GRIND SMOOTH ALL SHARP CORNERS AND ROUGH EDGES LIABLE TO CAUSE INJURY TO PERSONNEL OR DAMAGE EQUIPMENT.
6. BUTTS AND SEAMS MAY BE LOCATED TO SUIT AVAILABLE MATERIALS AND FACILITATE CONSTRUCTION.
7. SNIPES AND SCALLOPS SHALL BE 1" X 1" UNLESS OTHERWISE NOTED.
8. CONTRACTOR SHALL BE RESPONSIBLE FOR VISUAL INSPECTION OF ALL WELDS BY AN AWS OR MIL-STD-1689A (SH) CERTIFIED INSPECTOR.
9. ALL STEEL, EXCEPT BOTTOM PLATE OF FOUNDATION AND MACHINED SURFACES, SHALL BE CLEANED AND PAINTED WITH AN ANTI-CORROSIVE PRIMER UPON COMPLETION OF ALL WELDING AND WELD INSPECTION. FINISH WITH TWO COATS OF LIGHT GRAY (ANSI 61) PAINT. PROVIDE (1) GALLON FOR TOUCH-UP AFTER INSTALLATION. UNPAINTED AND MACHINED SURFACES SHALL BE PRESERVED WITH A THIN COAT OF COSMOLINE OR SIMILAR PRESERVATIVE.
10. INSTALLATION AND ALIGNMENT OF THE ATG2 AND ITS FOUNDATION SHALL BE IN ACCORDANCE WITH REFERENCE 2.
11. WELDS FOR LIFTING LUGS, DETAIL 4D SHALL BE INSPECTED IN ACCORDANCE WITH NAVSEA TECHNICAL PUBLICATION 58074-AR-GIB-010278, TABLE VIII, MACHINERY CLASS M-2, CATEGORY A.
12. THE LIFTING LUGS, SECTION 4B ARE DESIGNED FOR LIFT OF THE FOUNDATION ONLY. THE FOUNDATION WEIGHT IS 17,869 LBS.
13. PLANE 'X' SHALL BE FLAT WITHIN 1/4".
14. PLANES 'Y' AND 'C' SHALL BE PERPENDICULAR TO PLANE 'D' AND 'X' WITHIN 1/4".
15. PLANES 'D' AND 'E' SHALL BE PARALLEL WITHIN 3/8".
16. PLANES 'F' AND 'G' SHALL BE PARALLEL WITHIN 1/4".
17. PLATE 'F' SHALL BE MACHINED TO ACHIEVE A FINISHED HEIGHT OF 36.45" FROM PLANE 'X' AS SHOWN IN SECTION 4A, 4B AND 4C. THE TOPS OF THE MOUNT SUPPORT PLATES (ITEM 6) SHALL BE WITHIN 0.050 THR OF PLANE 'F'. THE TOP OF EACH SUPPORT PLATE (ITEM 6) SHALL BE FLAT WITHIN 0.005 THR.
18. MOUNT HOLES SHALL BE LOCATED WITHIN 0.063 OF DIMENSIONAL TRUE POSITION AS MEASURED FROM THE FOUNDATION WORKING POINT (FDN WP).
19. TO THE FABRICATOR CAN ENSURE THAT DIMENSIONS AND TOLERANCES ARE MET, THEN 5/16" CONTINUOUS WELD MAY BE USED IN LIEU OF 1/8" SEAL WELD AND 5/16" STAGGERED SKIP WELD, WHERE NOTED.

**LIST OF MATERIAL**

ITEM	QTY	DESCRIPTION	MATERIAL	SPECIFICATION	REMARKS
1	2	W33 x 152 BEAM LENGTH = 24'-10"	CARBON STEEL	ASTM A-992	SEE PLAN VIEW 2A & 3A
2	4	W8 x 18 BEAM LENGTH = 6'-3"	CARBON STEEL	ASTM A-992	SEE PLAN VIEW 3A CUT TO SUIT
3	2	1" PLATE SIZE = 24'-10" x 2'-5"	CARBON STEEL	ASTM A-36	SEE PLAN VIEW 2A
4	24	1/2" PLATE SIZE = 2'-8 1/2" x 1'-2 1/4"	CARBON STEEL	ASTM A-36	SEE SECTION 4A, 4B & 4C CUT TO SUIT
5	4	1/2" PLATE SIZE = 2'-1 1/2" x 1'-7 11/16"	CARBON STEEL	ASTM A-36	SEE SECTION 4B CUT TO SUIT
6	16	1 1/4" PLATE (MACHINED SURFACE) SIZE = 2'-4 1/2" x 2'-3"	CARBON STEEL	ASTM A-36	SEE PLAN VIEW 2A
7	4	3/16" PLATE SIZE = 3 7/8" O.D. x 1 7/16" I.D.	CARBON STEEL	ASTM A-36	SEE SECTION 4B
8	4	1/2" PLATE SIZE = 2'-1 1/2" x 1'-2 1/4"	CARBON STEEL	ASTM A-36	SEE SECTION 4C CUT TO SUIT



**ISOMETRIC VIEW 1A**  
 AUXILIARY TURBINE GENERATOR (ATG) 2 FOUNDATION (FDN)  
 SCALE: NONE

**REVISIONS**

No.	TITLE	DATE	DRAWING No.
3	ROLLS ROYCE DRAWING GENERATOR SET INSTALLATION		NM100002
2	DD(X) IPS LBTS ATG 2 INSTALLATION	7/25/273	
1	DD(X) IPS LBTS MACHINERY ARRANGEMENT	7/25/122	

**REFERENCES**

CONTRACT No.	OFFICIAL	SIGNATURE	DATE
N65540-00-D-0064	DRAWN BY	R.S. Fox	12/16/03
	CHECKED BY	F. Steiner	12/20/03
	PROJ. MGR	M. Lombardo	1/16/04
	APPROVED	NSWCDD-SSES	DATE
	6981 NORTH PARK DRIVE		6/24/04
	SUITE 400 WEST		
	PENNSAUKEN, NJ 08109-4205		
	TECH REVIEW	7/25/03	6/24/04
	PROG MGR	MAS	6/23/04

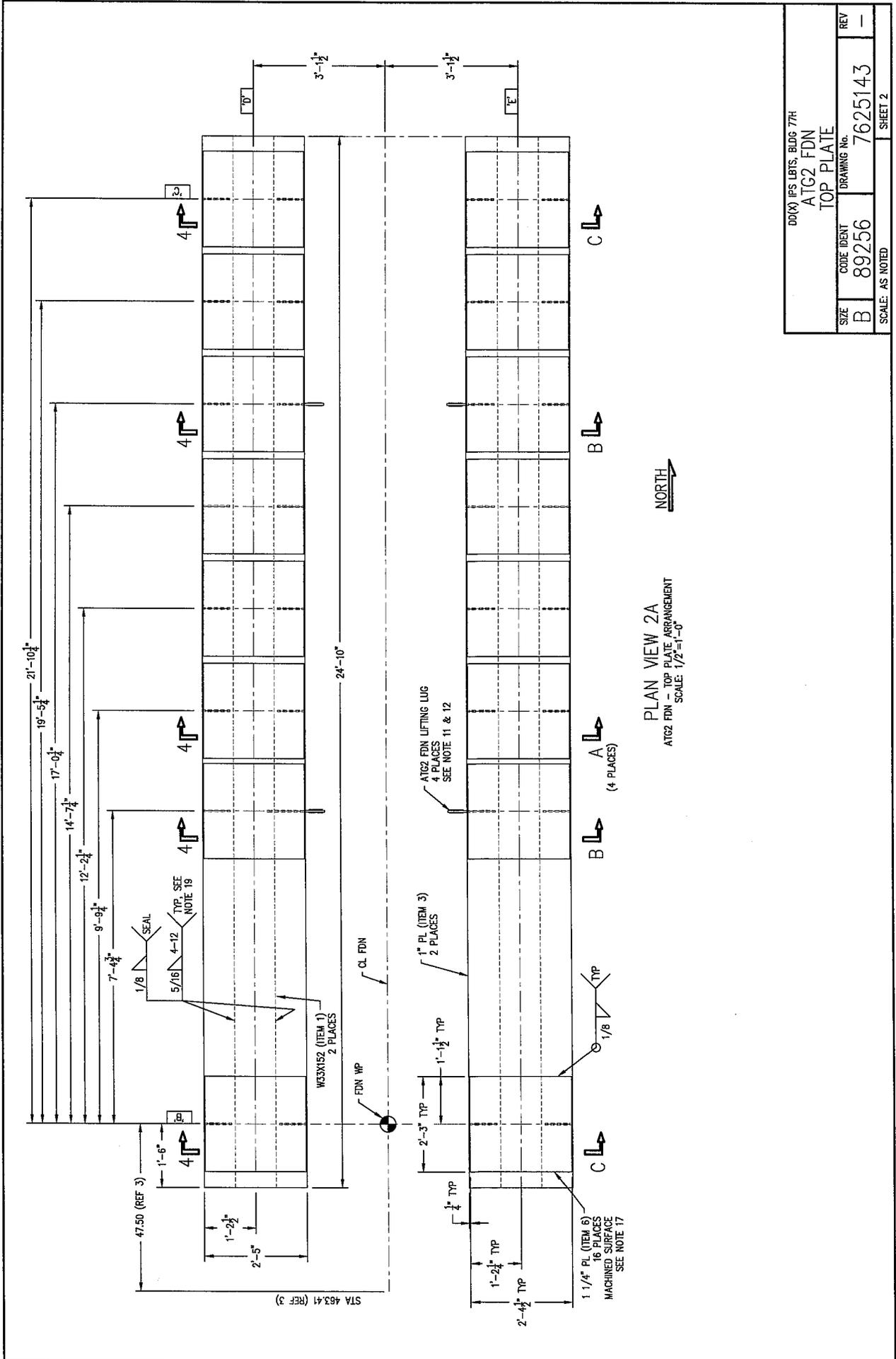
DD(X) INTEGRATED POWER SYSTEM (IPS) LAND BASED TEST SITE (LBTS)  
 NSWCDD-SSES; BUILDING 77H, PHILADELPHIA, PA.

**ATG No. 2 FOUNDATION ARRANGEMENT AND DETAILS**

SIZE	CODE IDENT	DRAWING No.	REV
B	89256	7625143	-

SCALE: NONE

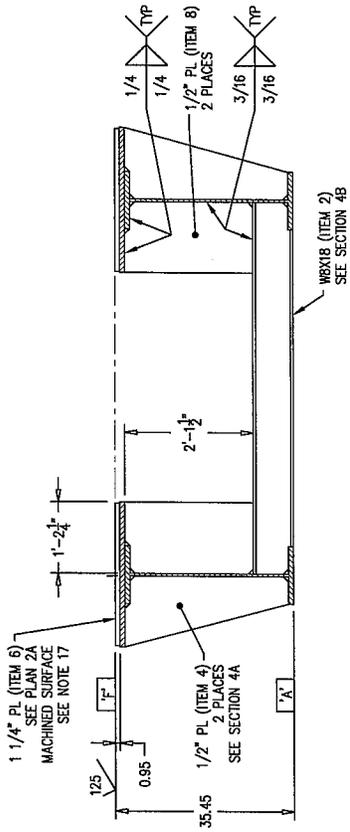
SHEET 1 of 5



PLAN VIEW 2A  
 ATG2 FDN - TOP PLATE ARRANGEMENT  
 SCALE: 1/2"=1'-0"

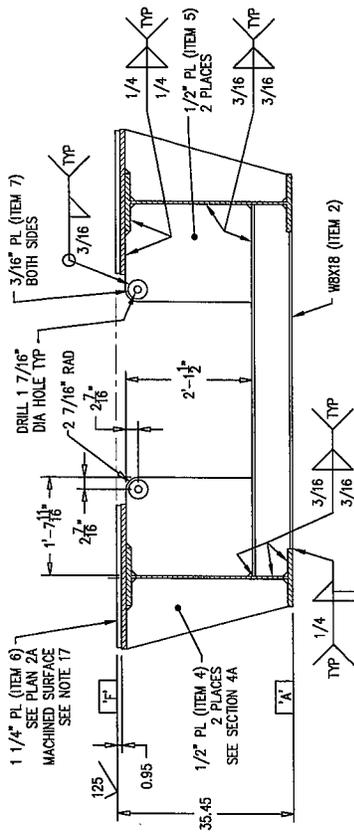
DD(X) IPS LBTS, BLDG 77H		SHEET 2	
ATG2 FDN		DRAWING No. 7625143	
TOP PLATE		REV -	
SIZE	CODE IDENT	DRAWING No.	REV
B	89256	7625143	-
SCALE: AS NOTED			





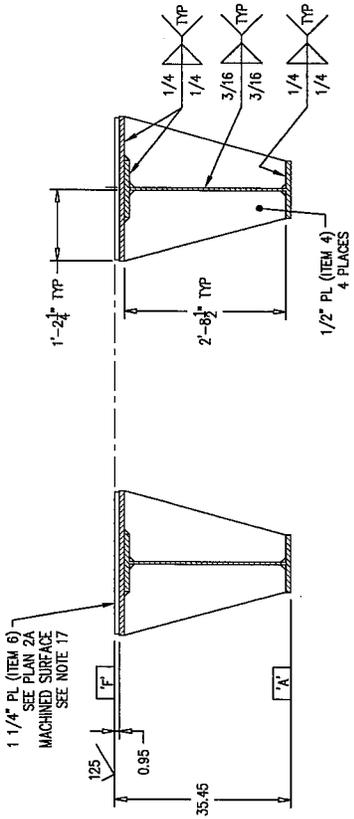
SECTION 4C

TYPICAL 2 PLACES  
LOOKING NORTH  
SCALE: 1/2"=1'-0"



SECTION 4B

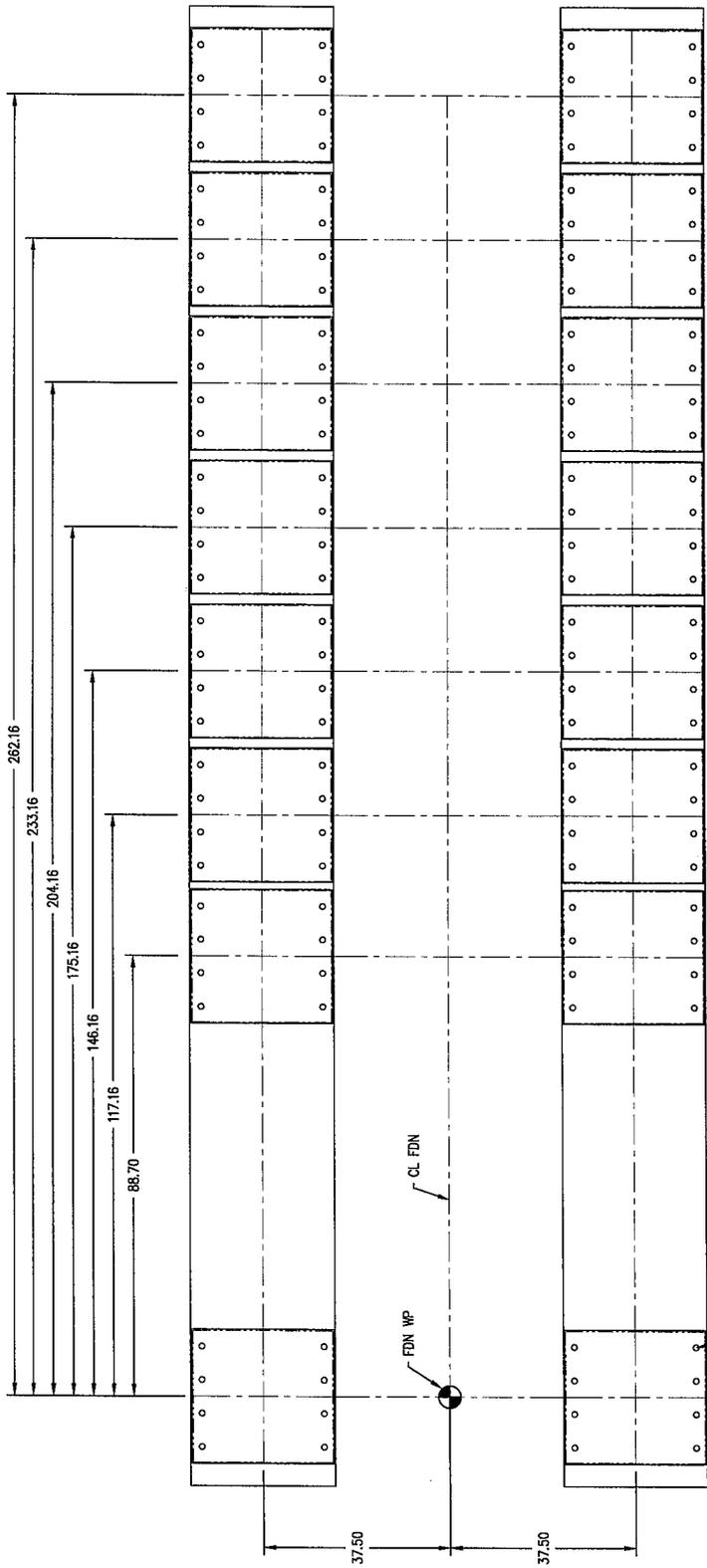
TYPICAL 2 PLACES  
LOOKING NORTH  
SCALE: 1/2"=1'-0"



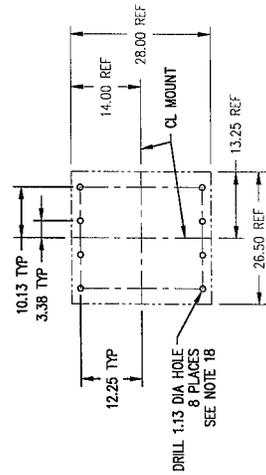
SECTION 4A

TYPICAL 4 PLACES  
LOOKING NORTH  
SCALE: 1/2"=1'-0"

DD(X) IFS LBTS, BLDG 77H		ATG2 FDN	
SECTIONS		DRAWING No. 7625143	
SIZE	CODE IDENT	REV	
B	89256		-
SCALE: AS NOTED		SHEET 4	



PLAN VIEW 5A  
ATG2 FDN - MOUNT LOCATION AND DRILLING  
SCALE: 1/2"=1'-0"



DETAIL 5B  
TYPICAL MOUNT DRILLING PATTERN  
16 PLACES  
SCALE: 1/2"=1'-0"

DD(X) IPS LBTS, BLDG 7TH		ATG2 FDN	
MOUNT LOCATION & DRILLING			
SIZE	CODE IDENT	DRAWING No.	REV
B	89256	7625143	-
SCALE: AS NOTED			SHEET 5