



FULLY EXECUTED - CHANGE 1
Contract Number: 4400025030
Original Contract Effective Date: 10/25/2021
Contract Change Date: 10/18/2023
Valid From: 09/27/2021 To: 09/30/2024

All using Agencies of the Commonwealth, Participating Political Subdivision, Authorities, Private Colleges and Universities

Purchasing Agent

Name: Green Alana
Phone: 717-787-5053
Fax: 717-346-3820

Your SAP Vendor Number with us: 150032

Supplier Name/Address:
STEPHENSON EQUIPMENT INC
STEPHENSON EQUIPMENT INC
7201 PAXTON ST
HARRISBURG PA 17111-5198 US

Please Deliver To:

To be determined at the time of the Purchase Order unless specified below.

Supplier Phone Number: 717-564-3434
Supplier Fax Number: 717-564-7580

Contract Name:
Snow Plows PennDOT Spec'd

Payment Terms
NET 30

Solicitation No.: _____ Issuance Date: _____
Supplier Bid or Proposal No. (if applicable): _____ Solicitation Submission Date: _____

This contract is comprised of: The above referenced Solicitation, the Supplier's Bid or Proposal, and any documents attached to this Contract or incorporated by reference.

Item	Material/Service Desc	Qty	UOM	Price	Per Unit	Total
1	Snow Plow Units	0.000		0.00	1	0.00
2	Alternate Snow Plow Units	0.000		0.00	1	0.00
3	Freight & Shipping	0.000		0.00	1	0.00
4	Installation	0.000		0.00	1	0.00

General Requirements for all Items:

Information:

Supplier's Signature _____
Printed Name _____

Title _____
Date _____



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Header Text

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This contract is for the purchase of Snow Plows and also Alternative Snow Plows with Installation.

Should you have any questions with this solicitation please contact:

Joslyn J. Thomas

joslthomas@pa.gov

717-425-5043

No further information for this Contract

Information:



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Purchasing Agent

Name: Vega Lisa

Phone: 717-346-4290

Fax: 717 346-3820

Your SAP Vendor Number with us: 150032

Supplier Name/Address:

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Fax: 717 346-3820

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717-425-5043

No further information for this Contract

Information:

ASSIGNMENT AGREEMENT

FOR VALUE RECEIVED, the undersigned Assignor hereby assigns, transfers, and sets over to Assignee all rights, title and interest held by the Assignor in and to the following described contract:

CONTRACT/PO # 4400023535, 4400024044, 4400019963, 4400023371, 4400018321.

Assignor: MJR Equipment Inc.
Name: Sue Furst
Address: 4910 Chambers Hill Road
Harrisburg, PA 17111.

Assignee: Stephenson Equipment Inc.
Name: Mark Myers
Address: 7201 Paxton Street
Harrisburg, PA 17111.

EIN #

EIN #

Vendor # 401133

Vendor # 150032

The Assignor warrants and represents that said contract is in full force and effect and fully assignable.

The Assignee hereby assumes and agrees to perform all remaining and executory obligations of Assignor under the contract and agrees to indemnify and hold the Assignor harmless from any claim or demand resulting from non-performance by the Assignee.

The Assignee additionally hereby assumes and agrees to perform all remaining and executory obligations of Assignor under any outstanding purchase orders issued under the contract and hold the Assignor harmless from any claim or demand resulting from non-performance by the Assignee.

The Assignee shall be entitled to all monies remaining to be paid under the contract, which rights are also assigned hereunder.

The Assignor warrants that the contract is without modification, and remains on the terms contained.

The Assignor further warrants that it has full right and authority to transfer said contract and that the contract rights herein transferred are free of lien, encumbrance or adverse claim.

This assignment shall be binding upon and inure to the benefit of the parties, their successors and assigns.

Signed this 23RD day of September, 2021.

Sue Furst . Assignor
Name

ADMINISTRATOR . Sept 22, 2021
Title Date Signed

MARK MYERS . Assignee
Name

SALES MGR . 9-22-21
Title Date Signed

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PART I - GENERAL INFORMATION

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I.1 IFB-001.1 Purpose (Oct 2006)

The Commonwealth of Pennsylvania (Commonwealth) is issuing this Invitation for Bids (IFB) to meet the needs of PENNDOT to satisfy a need for Snow Plows PennDOT Spec'd SB RESERVE.

I.2 IFB-001.1b Purpose - Restricted Small Business Procurement (July 2012)

The Commonwealth identified this procurement as fitting the established criteria under the Small Business Procurement Initiative set forth in Executive Order 2011-09. Accordingly, only those bidders who are certified as a Small Business through the Department of General Services' self certification process found at www.smallbusiness.pa.gov are eligible to submit a bid and be awarded a contract in response to this IFB. In order to be eligible to receive an award in response to this procurement, the bidder must be certified at the time of bid opening and include a copy of the certification in the bid response.

I.3 IFB-005.1 Type of Contract (Oct. 2006)

If the Issuing Office enters into a contract as a result of this IFB, it will be a contract containing the Contract Terms and Conditions as shown in Part V of this IFB.

I.4 IFB-008.1C No Pre-bid Conference (Oct. 2006)

There will be no pre-bid conference for this IFB. If there are any questions, please forward them to the Issuing Office prior to the bid opening date and time.

I.5 IFB-009.1 Questions (February 2012)

All questions regarding the IFB must be submitted in writing to the email address of the Issuing Officer provided in the solicitation. While there is no set timeline for the submittal of questions, questions received within 48 hours prior to the bid due date and time will be answered at the discretion of the Commonwealth. All questions received will be answered, in writing, and such responses shall be posted to eMarketplace as an addendum to the IFB. The Issuing Officer shall not be bound by any verbal information nor shall it be bound by any written information that is not either contained within the IFB or formally issued as an addendum by the Issuing Office. The Issuing Office does not consider questions to be a protest of the specifications or of the solicitation.

I.6 IFB-010.1 Addenda to the IFB (Oct. 2006)

If the Issuing Office deems it necessary to revise any part of this IFB before the bid response date, the Issuing Office will post an addendum to its website at WWW.DGS.PA.GOV it is the Bidder's responsibility to periodically check the website for any new information or addenda to the IFB.

I.7 IFB-011.1B Submission of Bids – Electronic Submittal (May 2011)

- a. Bids are requested for the item(s) described in the Invitation For Bids and all the documents referenced in the

form (collectively called the IFB). Bidders must submit their bids through the Commonwealth's electronic system (SRM).

b. It is the responsibility of each bidder to ensure that its Bid is received through the electronic system prior to the date and time set for the opening of bids ("Bid Opening Time"). No Bid shall be considered if it arrives after the Bid Opening Time, regardless of reason for the late arrival.

Bids that are timely received prior to the Bid Opening Time shall be opened publicly in the presence of one or more witnesses at the time and place designated in this IFB for the Bid opening.

c. Bids must be firm. If a Bid is submitted with conditions or exceptions or not in conformance with the terms and conditions referenced in the IFB Form, it shall be rejected. The Bid shall also be rejected if the items offered by the Bidder are not in conformance with the specifications as determined by the Commonwealth.

d. The Bidder, intending to be legally bound hereby, offers and agrees, if this Bid is accepted, to provide the awarded items at the price(s) set forth in this Bid at the time(s) and place(s) specified.

I.8 IFB-013.2 Small Business Procurement (July 2012)

In order to be eligible to submit a bid in response to this procurement, a bidder must be certified as a Small Business with the Department of General Services at the time of bid opening. A copy of the Small Business Certification must be submitted with the bid response. Failure to submit the certification with the bid may result in the bid being rejected as non-responsive.

I.9 IFB-024.1 Bid Protest Procedure (April 2016)

The Bid Protest Procedure is on the DGS website at <http://www.dgs.pa.gov/Documents/Procurement%20Forms/Handbook/Pt1/Pt%20I%20Ch%2058%20Bid%20Protests.pdf>

I.10 IFB-025.1 Electronic Version of this IFB (Oct 2006)

This IFB is being made available by electronic means. If a Bidder electronically accepts the IFB, the Bidder acknowledges and accepts full responsibility to insure that no changes are made to the IFB. In the event of a conflict between a version of the IFB in the Bidder's possession and the Issuing Office's version of the IFB, the Issuing Office's version shall govern.

I.11 IFB-027.1 COSTARS Program (January 2017)

COSTARS Purchasers. Section 1902 of the Commonwealth Procurement Code, 62 Pa.C.S. § 1902 ("Section 1902"), authorizes local public procurement units and state-affiliated entities (together, "COSTARS Members") to participate in Commonwealth procurement contracts that the Department of General Services ("DGS") may choose to make available to COSTARS Members. DGS has identified this Contract as one which will be made available for COSTARS Members' participation.

A. Only those entities registered with DGS are authorized to participate as COSTARS Members in this Contract. A COSTARS Member may be either a local public procurement unit or a state-affiliated entity.

1. A "local public procurement unit" is:

- Any political subdivision (local government unit), such as a municipality, school district, or commission;
- Any public authority (including authorities formed under the Municipality Authorities Act of 1955 or

- other authorizing legislation, such as the Public Transportation Law or the Aviation Code);
- Any tax-exempt, nonprofit educational institution or organization;
- Any tax-exempt, nonprofit public health institution or organization;
- Any nonprofit fire, rescue, or ambulance company; and
- Any other entity that spends public funds for the procurement of supplies, services, and construction (such as a council of governments, an area government, or an organization that receives public grant funds).

The Department reserves the right to review and determine eligible applicants as Local Public Procurement Units on a case-by-case basis.

2. A state-affiliated entity is a Commonwealth authority or other Commonwealth entity that is not a Commonwealth agency. The term includes:

- The Pennsylvania Turnpike Commission;
- The Pennsylvania Housing Finance Agency;
- The Pennsylvania Municipal Retirement System;
- The Pennsylvania Infrastructure Investment Authority;
- The State Public School Building Authority;
- The Pennsylvania Higher Education Facilities Authority, and
- The State System of Higher Education.

The COSTARS Program is not available for use by Executive Agencies and Independent Agencies as defined by the Commonwealth Procurement Code, or any agency or entity using funds appropriated to the Department of General Services through Capital Budget Project Itemization legislation for the procurement of furniture, fixtures, and equipment.

3. A complete list of local public procurement units and state-affiliated entities that have registered with DGS and that are authorized to procure items from the Contract can be found at <http://www.costars.state.pa.us/SearchCOMember.aspx>

B. COSTARS Members have the option to purchase from this Contract, from any DGS contract established exclusively for COSTARS Members in accordance with the requirements of Section 1902 , from any other cooperative procurement contracts, or from their own procurement contracts established in accordance with the applicable laws governing such procurements. The Contractor understands and acknowledges that there is no guarantee that a COSTARS Member will place an order under this Contract, and that the decision to procure from this Contract is within the sole discretion of each COSTARS Member.

C. DGS is acting as a facilitator for COSTARS Members who may wish to purchase under this Contract. COSTARS Members that participate in this Contract and issue purchase orders (“POs”) to Contractors are third party beneficiaries who have the right to sue and be sued for breach of this Contract without joining the Commonwealth or DGS as a party. The Commonwealth will not intervene in any action between a Contractor and a COSTARS Member unless substantial interests of the Commonwealth are involved.

D. COSTARS Members electing to participate in this Contract will order items directly from the Contractor and be responsible for payment directly to the Contractor.

E. Those Contractors electing to permit COSTARS Members to procure from this Contract shall pay the Required Administrative Fee applicable to the Contractor’s classification:

Contractor Classification	Required Administrative Fee
DGS-verified Small Diverse Business Bidder	\$166
DGS Self-Certified Small Business Bidder	\$500

All Other Bidders	\$1,500
-------------------	---------

1. Each bidder electing to permit COSTARS Members to participate in the Contract must submit the COSTARS Program Election to Participate form with its bid submittal and pay the applicable Administrative Fee upon Contract award in order to sell the awarded items/services to COSTARS Members. If the bidder is a Department of General Services Self-Certified Small Business or Department of General Services-verified Small Diverse Business, a copy of its active Small Business Contracting Program certificate must be included with the bid submittal.

2. At the beginning of each Contract year and upon any Contract renewal, the Contractor shall submit a check for the required amount, payable to "Commonwealth of PA". The Contractor must pay the Administrative Fee at each contract renewal date to continue to sell the awarded items/services to COSTARS Members.

F. DGS has registered the COSTARS name and logo (together, the "COSTARS Brand") as a trademark with the Pennsylvania Department of State. Therefore, the Contractor may use the COSTARS Brand only as permitted under in this Subsection.

1. The Contractor shall pay the Administrative Fee covering its participation in the program, including without limitation any use of the COSTARS Brand, for each year of the Contract period. The fee is payable upon Contract award and prior to the renewal date for each succeeding Contract period.

2. DGS grants the Contractor a nonexclusive license to use the COSTARS Brand, subject to the following conditions:

a. The Contractor agrees not to transfer to any third party, including without limitation any of its subcontractors or suppliers, any privileges it may have to use the COSTARS Brand under this Contract.

b. The Contractor agrees not to use the COSTARS Brand to represent or imply any Commonwealth endorsement or approval of its products or services.

c. The Contractor is permitted to use the COSTARS Brand in broadcast, or Internet media solely in connection with this Contract and any other Contract with the Commonwealth under which it has agreed to make sales to COSTARS Purchasers. The Contractor may use the COSTARS Brand on business cards, brochures, and other print publications so long as the purpose is to identify the Contractor as a COSTARS vendor, and only so long as the required Contract fee is kept current.

d. Should this Contract terminate for any reason, the Contractor agrees promptly to remove the COSTARS Brand from any and all print and electronic media and to refrain from using the COSTARS Brand for any purpose whatsoever from the date of Contract termination forward.

e. The Contractor agrees to defend, indemnify, and hold harmless the Commonwealth of Pennsylvania and DGS from and against all claims, demands, liabilities, obligations, costs, and expenses of any nature whatsoever arising out of or based upon the Contractor's use of the COSTARS Brand.

f. The Contractor agrees it has no property rights in the use of the COSTARS Brand by virtue of this nonexclusive license. The Contractor expressly waives any claims, including without limitation due process claims that may otherwise be available under the law in the event of any dispute involving these terms of use.

G. The Contractor shall furnish to the DGS COSTARS Program Office a quarterly electronic Contract sales report detailing the previous quarter's Contract purchasing activity, using the form and in the format prescribed by DGS. The Contractor shall submit its completed quarterly report no later than the fifteenth calendar day of the succeeding Contract quarter.

1. The Contractor shall submit the reports through the web-based COSTARS Suppliers' Gateway of the PA Supplier Portal at <https://pasupplierportal.state.pa.us/irj/portal/anonymous> , Enterprise

Applications. If a Contractor does not have access to the Internet, the Contractor shall send the reports, using the form and in the format prescribed by DGS, on compact disc via US Postal Service to the DGS COSTARS Program Office, Bureau of Procurement, 6th Floor Forum Place, 555 Walnut Street, Harrisburg, PA 17101-1914.

2. For each PO received, the Contractor shall include on the report the name and address of each COSTARS-Registered Purchaser that has used the Contract along with the sales date, and dollar volume of sales to the specific Purchaser for the reporting period.

3. DGS may suspend the Contractor's participation in the COSTARS Program for failure to provide the Quarterly Sales Report within the specified time.

H. Additional information regarding the COSTARS Program is available on the DGS COSTARS Website at www.costars.state.pa.us .

1. If the Contractor is aware of any qualified entity not currently registered and wishing to participate in the COSTARS Program, please refer the potential purchaser to the DGS COSTARS Website at www.costars.state.pa.us , where it may register by completing the online registration form and receiving DGS confirmation of its registration. To view a list of currently-registered COSTARS member entities, please visit the COSTARS website.

2. Direct all questions concerning the COSTARS Program to:

Department of General Services
COSTARS Program
555 Walnut Street, 6th Floor
Harrisburg, PA 17101
Telephone: 1-866-768-7827
E-mail GS-PACostars@pa.gov

I.12 IFB-029.1 Prices (Dec 6 2006)

The bid submitted by the successful Bidder will be incorporated into any resulting Contract and the Bidder will be required to provide the awarded item(s) at the prices quoted in its Bid.

I.13 IFB-030.1 Approved Equal (Nov 2006)

Whenever an item is defined in this IFB by trade name and catalogue number of a manufacturer or vendor, the term 'or approved equal,' if not inserted therewith shall be implied. Any reference to a particular manufacturer's product either by trade name or by limited description is solely for the purpose of more clearly indicating the minimum standard of quality desired, except where a 'no substitute' is requested. When a 'no substitute' is requested, the Issuing Office will consider Bids for the referenced product only. The term 'or approved equal' is defined as meaning any other make which, in the sole opinion of the Issuing Office, is of such character, quality, and performance equivalence as to meet the standard of quality of products specified for which it is to be used equally as well as that specified. A Bidder quoting on a product other than the referenced product shall: a) furnish complete identification in its Bid of the product it is offering by trade name, brand and/or model number; b) furnish descriptive literature and data with respect to the substitute product it proposes to furnish; and c) indicate any known specification deviations from the referenced product.

I.14 IFB-031.1 Alternates (Oct 2013)

A Bidder who wants to offer an alternate must notify the Issuing Office in writing, at least five (5) days prior to the scheduled Bid opening, that the Bidder intends to offer an alternate in its Bid. An "alternate" is a product that deviates from the requirements of the specifications in its composition, qualities, performance, size dimension, etc.

The written notification from the Bidder must include a complete description of the alternate and must identify the product's deviations from the specifications. Upon receipt of the notification, the Issuing Office will determine whether the alternate is acceptable. If the Issuing Office, in its discretion, determines that the alternate is acceptable, the Issuing Office will issue a change notice to the invitation for bids that revises the specifications. If no change notice is issued revising the specification, a Bid offering the alternate will not be considered for award. If an item or items in the IFB are designated "no substitute," this provision does not apply and no alternate may be proposed by a bidder nor will any alternate be considered by the Issuing Office.

I.15 IFB-032.1 New Equipment (Nov 2006)

Unless otherwise specified in this invitation for bids, all products offered by Bidders must be new or remanufactured. A 'new' product is one that will be used first by the Commonwealth after it is manufactured or produced. A 'remanufactured' product is one which: 1) has been rebuilt, using new or used parts, to a condition which meets the original manufacturer's most recent specifications for the item; 2) does not, in the opinion of the Issuing Office, differ in appearance from a new item; and 3) has the same warranty as a new item. Unless otherwise specified in this invitation for bids, used or reconditioned products are not acceptable. This clause shall not be construed to prohibit Bidders from offering products with recycled content, provided the product is new or remanufactured.

I.16 I-IFB-033.1 Modification or Withdrawal of Bid (Nov 2006)

- a. Bid Modification Prior to Bid Opening. Bids may be modified only by written notice or in person prior to the exact hour and date specified for Bid opening.
 - 1) If a Bidder intends to modify its Bid by written notice, the notice must specifically identify the Bid to be modified and must be signed by the Bidder. The Bidder must include evidence of authorization for the individual who signed the modification to modify the Bid on behalf of the Bidder. The Bid modification must be received in a sealed envelope. The sealed envelope must identify the assigned Collective Number and the Bid Opening Time, and should state that enclosed in the envelope is a Bid modification
 - 2) If a Bidder intends to modify its Bid in person, the individual who will modify the Bid must arrive in the Bid Opening Room prior to the Bid Opening Time, show a picture identification and provide evidence of his/her authorization to modify the Bid on behalf of the Bidder. If a Bidder intends to modify its Bid in person, the Bidder may do so only in the presence of an agency employee. (The agency employee will observe the actions taken by the individual to modify the Bid, but will not read the Bid or the modification).
- b. Bid Withdrawal Prior to Bid Opening. Bids may be withdrawn only by written notice or in person prior to the exact hour and date specified for Bid opening.
 - 1) If a Bidder intends to withdraw its Bid by written notice, the notice shall specifically identify the Bid to be withdrawn and shall be signed by the Bidder. The Bidder must include evidence of authorization for the individual who signed the bid withdrawal to withdraw the bid on behalf of the Bidder. Except as provided in Subparagraph c, below, bid withdrawals received after the exact hour and date specified for the receipt of Bids shall not be accepted.
 - 2) If a Bidder intends to withdraw its Bid in person, the individual who will withdraw the Bid must arrive in the Bid Opening Room prior to the Bid Opening Time, show a picture identification and provide evidence of his/her authorization to withdraw the Bid on behalf of the Bidder.
- c. Bid Withdrawal After Bid Opening. Bidders are permitted to withdraw erroneous Bids after Bid opening only if the following conditions are met:
 - 1) The Bidder submits a written request for withdrawal.
 - 2) The Bidder presents credible evidence with the request that the reason for the lower Bid price was a clerical mistake as opposed to a judgment mistake and was actually due to an unintentional arithmetical error or an unintentional omission of a substantial quantity of work, labor, material, or services made directly in the

compilation of the Bid.

- 3) The request for relief and supporting evidence must be received by the Issuing Office within three (3) business days after Bid opening, but before award of the contract.
 - 4) The Issuing Office shall not permit a Bid withdrawal if the Bid withdrawal would result in the award of the contract on another Bid of the same Bidder, its partner, or a corporation or business venture owned by or in which the bidder has a substantial interest.
 - 5) If a Bidder is permitted to withdraw its Bid, the Bidder cannot supply any material or labor or perform any subcontract or other work agreement for the awarded contractor, without the written approval of the Issuing Office.
- d. Firm Bid. Except as provided above, a Bid may not be modified, withdrawn, or cancelled by any Bidder for a period of sixty (60) days following the time and date designated for Bid opening, unless otherwise specified by the Bidder in its Bid. If the lowest responsible Bidder, as determined by the Issuing Office, withdraws its Bid prior to the expiration of the award period or fails to comply with the requirements set forth in the IFB including but not limited to any requirement to submit performance or payment bonds or insurance certificates within the required time period, the Bidder shall be liable to the Commonwealth for all costs and damages associated with the re-award or re-bid including the difference between the Bidder's price and the actual cost that the Commonwealth pays for the awarded items.
- e. Clarification and Additional Information. After the receipt of Bids, the Issuing Office shall have the right to contact Bidders for the purpose of seeking:
- 1) Clarification of the Bid which confirms the Issuing Office's understanding of statements or information in the Bid or;
 - 2) Additional information on the items offered; provided the IFB does not require the rejection of the Bid for failure to include such information.

I.17 I-IFB-034.1 Rejection of Bids (Nov 2006)

The Issuing Office reserves the right to reject any and all Bids, to waive technical defects or any informality in Bids, and to accept or reject any part of any Bid if the best interests of the Commonwealth are thereby served.

I.18 Submission-001.1 Representations and Authorizations (February 2017)

By submitting its proposal, each Offeror understands, represents, and acknowledges that:

- A. All of the Offeror's information and representations in the proposal are material and important, and the Issuing Office may rely upon the contents of the proposal in awarding the contract(s). The Commonwealth shall treat any misstatement, omission or misrepresentation as fraudulent concealment of the true facts relating to the Proposal submission, punishable pursuant to 18 Pa. C.S. § 4904.
- B. The Offeror has arrived at the price(s) and amounts in its proposal independently and without consultation, communication, or agreement with any other Offeror or potential offeror.
- C. The Offeror has not disclosed the price(s), the amount of the proposal, nor the approximate price(s) or amount(s) of its proposal to any other firm or person who is an Offeror or potential offeror for this RFP, and the Offeror shall not disclose any of these items on or before the proposal submission deadline specified in the Calendar of Events of this RFP.
- D. The Offeror has not attempted, nor will it attempt, to induce any firm or person to refrain from submitting a proposal on this contract, or to submit a proposal higher than this proposal, or to submit any intentionally high or noncompetitive proposal or other form of complementary proposal.

E. The Offeror makes its proposal in good faith and not pursuant to any agreement or discussion with, or inducement from, any firm or person to submit a complementary or other noncompetitive proposal.

F. To the best knowledge of the person signing the proposal for the Offeror, the Offeror, its affiliates, subsidiaries, officers, directors, and employees are not currently under investigation by any governmental agency and have not in the last four years been convicted or found liable for any act prohibited by State or Federal law in any jurisdiction, involving conspiracy or collusion with respect to bidding or proposing on any public contract, except as the Offeror has disclosed in its proposal.

G. To the best of the knowledge of the person signing the proposal for the Offeror and except as the Offeror has otherwise disclosed in its proposal, the Offeror has no outstanding, delinquent obligations to the Commonwealth including, but not limited to, any state tax liability not being contested on appeal or other obligation of the Offeror that is owed to the Commonwealth.

H. The Offeror is not currently under suspension or debarment by the Commonwealth, any other state or the federal government, and if the Offeror cannot so certify, then it shall submit along with its proposal a written explanation of why it cannot make such certification.

I. The Offeror has not made, under separate contract with the Issuing Office, any recommendations to the Issuing Office concerning the need for the services described in its proposal or the specifications for the services described in the proposal.

J. Each Offeror, by submitting its proposal, authorizes Commonwealth agencies to release to the Commonwealth information concerning the Offeror's Pennsylvania taxes, unemployment compensation and workers' compensation liabilities.

K. Until the selected Offeror receives a fully executed and approved written contract from the Issuing Office, there is no legal and valid contract, in law or in equity, and the Offeror shall not begin to perform.

L. The Offeror is not currently engaged, and will not during the duration of the contract engage, in a boycott of a person or an entity based in or doing business with a jurisdiction which the Commonwealth is not prohibited by Congressional statute from engaging in trade or commerce.

PART II - REQUIREMENTS

PART II - REQUIREMENTS

II.1 IFB-006.1b COSTARS Program Election to Participate (July 2012)

If the bidder is willing to sell the awarded items/services at the same prices and/or discounts, and in accordance with the contractual terms and conditions, to COSTARS members, the bidder should complete and return the COSTARS Program Election to Participate form which is an attachment to this IFB. If the bidder is asserting that it is a Department of General Services Certified Small Business, the bidder must submit its active certification with the bid response.

II.2 II-IFB-008.1b Lobbying Certification and Disclosure – Electronic Submission. (Oct 2006).

With respect to an award of a federal contract, grant, or cooperative agreement exceeding \$100,000 or an award of a federal loan or a commitment providing for the United States to insure or guarantee a loan exceeding \$150,000 all recipients must certify that they will not use federal funds for lobbying and must disclose the use of non-federal funds for lobbying by filing required documentation. Offerors must complete and return the Lobbying Certification Form and the Disclosure of Lobbying Activities Form, which are attached to and made a part of this IFB. The completed and signed Lobbying Certification Form and the Disclosure of Lobbying Activities Form should be submitted with the Bid Response. Commonwealth agencies will not contract with outside firms or individuals to perform lobbying services, regardless of the source of funds.

II.3 II-IFB-016.1 Post-Submission Descriptive Literature (Dec 2006)

The Commonwealth may, during its evaluation of the bids, require any bidder to submit cuts, illustrations, drawings, prints, test data sheets, specification sheets and brochures which detail construction features, design, components, materials used, applicable dimensions and any other pertinent information which the Issuing Office may require in order to evaluate the product(s) offered. The required information must be submitted within two (2) business days after notification from the Issuing Office. Failure to submit the required information prior to the expiration of the second business day after notification shall result in the rejection of the bid as non-responsive.

II.4 II-IFB-017.1b Reciprocal Limitations Act – Electronic Submittal (February 2007)

This procurement is subject to the Reciprocal Limitations Act. Bidders must complete and submit with the Bid Response the State of Manufacture Chart, which is contained in GSPUR-89 ("Reciprocal Limitations Act Requirements") which is attached to and made part of this IFB. The completed State of Manufacture Chart should be submitted as part of the Bid Response

II.5 II-IFB-018.1b Iran Free Procurement Certification and Disclosure – Electronic Submittal (November 2016)

Prior to entering a contract worth at least \$1,000,000 or more with a Commonwealth entity, a bidder must: a) certify it is not on the current list of persons engaged in investment activities in Iran created by the Pennsylvania Department of General Services ("DGS") pursuant to Section 3503 of the Procurement Code and is eligible to contract with the Commonwealth under Sections 3501-3506 of the Procurement Code; or b) demonstrate it has received an exception from the certification requirement for that solicitation or contract pursuant to Section 3503(e). All bidders must complete and return the Iran Free Procurement Certification form, which is attached hereto and made part of this IFB. The completed and signed Iran Free Procurement Certification form must be submitted with the Bid Response.

See the following web page for current Iran Free Procurement list:

<http://www.dgs.pa.gov/businesses/materials%20and%20services%20procurement/procurement-resources/pages/default.aspx#.WDNfJJ>

PART III - SELECTION CRITERIA

PART III - SELECTION CRITERIA

III.1 III-IFB-001.1a Mandatory Responsiveness Requirements (Oct 2006)

To be eligible for selection, a bid must be:

- a. Timely received from a Bidder;
- b. Properly signed by the Bidder.

III.2 III-IFB-006.1g Method of Award - All Bidder Plus Selection of Best Value (April 2011)

Award will be made to all responsive and responsible bidders. The Issuing Office will also select a single best value contractor whose bid represents the best value to the Commonwealth taking into consideration all of the best value evaluation factors.

III.3 III-IFB-007.1 Awards (May 2011)

Unless all Bids are rejected, and except as otherwise provided by law, award will be made through the issuance of a contract/purchase order in accordance with the method of award. Unless otherwise specified by the Issuing Office in the IFB form the Commonwealth reserves the right to award by item or on a total Bid basis, whichever is deemed more advantageous to the Commonwealth. In cases of discrepancies in prices, the unit price will be binding unless the unit price is obviously in error and the extended price is obviously correct, in which case the erroneous unit price will be corrected. As a condition for receipt of award of a contract/purchase order, the Bidder must be registered in the Commonwealth of Pennsylvania's Vendor Master file. In order to register, bidders must visit the Pa Supplier Portal at <https://www.pasupplierportal.state.pa.us/> or call the Customer Support Center at 877-435-7363 or 717-346-2676.

III.4 III-IFB-008.1 Tie Bids (Nov 2006)

All tie bids will be broken by the Issuing Office.

III.5 III-IFB-009.1 Prompt Payment Discounts (Nov 2006)

Prompt payment discounts will not be considered in making an award. If prompt payment discounts are offered by any Bidder, however, the Issuing Office will take advantage of such offer.

III.6 III-IFB-010.1 Option for Separate Competitive Bidding Procedure (Nov 2006)

The Commonwealth reserves the right to purchase products or services covered under this Contract through a separate competitive bidding procedure, whenever Commonwealth deems it in the best interest of the Commonwealth. The right will generally be exercised only when a specific need for a large quantity of the product or service exists or when the price offered is significantly lower than the Contract price.

III.7 III-IFB-014.1 Rebates (Nov 2006)

Any rebate applicable at the time of bid should be taken into consideration by the bidder in calculating its bid price. Bidders must specifically state in their bid proposal, when applicable, that rebates have been considered in arriving at the bid price. Following award, the Commonwealth will assign to the awarded bidder, any rebates which the bidder stated that he took into consideration. If the bidder fails to include such a statement, the Commonwealth will

receive the full benefit of the manufacturer's rebate.

PART IV - WORK STATEMENT

PART IV - WORK STATEMENT

IV.1 IFB-001.1a Specifications (Nov 2006)

The Commonwealth is seeking bids to procure the item(s) set forth in the attached document entitled "Specifications."

PART V - CONTRACT TERMS and CONDITIONS

PART V - CONTRACT TERMS and CONDITIONS

V.1 CONTRACT-001.1b Contract Terms and Conditions (Nov 30, 2006)

The Contract with the awarded bidder (who shall become the "Contractor") shall include the following terms and conditions:

V.2 CONTRACT-002.1a Term of Contract – Contract (May 2012)

The initial term of the Contract shall be 02 year(s) and 00 month(s).

The term of the Contract shall commence on the Effective Date (as defined below) and shall end on the Expiration Date identified in the Contract, subject to the other provisions of the Contract.

The Effective Date shall be: a) the Effective Date printed on the Contract after the Contract has been fully executed by the Commonwealth (signed and approved as required by the Commonwealth contracting procedures) or b) the "Valid from" date printed on the Contract, whichever is later.

V.3 CONTRACT-002.2a Renewal of Contract Term (Nov 30 2006)

The Contract may be renewed for a maximum of 3 additional 1 year term(s), so long as Commonwealth provides written notice to Contractor of its intention to extend the Contract by letter prior to the expiration of the term of the agreement, or any extension thereof. The Commonwealth may exercise the renewal as individual year or multiple year term(s). Any renewal will be under the same terms, covenants and conditions. No further document is required to be executed to renew the term of the contract.

V.4 CONTRACT-002.2e Renewal of Contract Term; Adjusted Prices in Accordance with Manufacturer Price Increases (Oct 2013)

The Contract may be mutually renewed for a maximum of 3 additional 1 year term(s), so long as the Commonwealth provides a written notice to Contractor of its interest in extending the contract by letter dated not less than 090 days prior to the expiration of the term of the agreement, or any extension thereof. The Contractor shall provide to the Commonwealth any manufacturer's price changes that would be applicable under the renewal period not less than 060 days prior to the expiration of the term of the agreement or any extension thereof. If the Commonwealth determines, after receiving the manufacturer's price changes, that it is not in its best interest to renew the contract the Commonwealth shall provide written notice to the Contractor not less than 30 days prior to the expiration of the term of the agreement or any extension thereof stating that the contract will not be renewed. If the Commonwealth determines, after receiving the manufacturer's price changes, that it is in the best interest of the Commonwealth to renew the contract, the Commonwealth shall provide written notice of the renewal to the Contractor. The renewal may be exercised as individual or multiple year term(s). Any renewal will be under same terms, covenants and conditions, provided, however, that the rates under the contract will be adjusted to reflect manufacturer price changes to the extent agreed upon by the parties. If the Contractor agrees to no price changes or the Contractor does not provide the manufacturer's price changes within the time frame above, the Commonwealth will renew the contract with no price changes. No further document is required to be executed to renew the term of the contract.

V.5 CONTRACT-002.3 Extension of Contract Term (Nov 30 2006)

The Commonwealth reserves the right, upon notice to the Contractor, to extend any single term of the Contract for up to three (3) months upon the same terms and conditions.

V.6 CONTRACT-003.1a Signatures – Contract (July 2015)

The Contract shall not be a legally binding contract until the fully-executed Contract has been sent to the Contractor. No Commonwealth employee has the authority to verbally direct the commencement of any work or delivery of any supply under this Contract prior to the Effective Date. The Contractor hereby waives any claim or cause of action for any service or work performed prior to the Effective Date.

The Contract may be electronically signed by the Commonwealth. The electronically-printed name of the Purchasing Agent represents the signature of that individual who has the authority, on behalf of the Commonwealth, to bind the Commonwealth to the terms of the Contract. If the Contract output form does not have "Fully Executed" at the top of the first page and does not have the name of the Purchasing Agent printed in the appropriate box, the Contract has not been fully executed.

The fully-executed Contract may be sent to the Contractor electronically or through facsimile equipment. The electronic transmission of the Contract shall require acknowledgement of receipt of the transmission by the Contractor. Receipt of the electronic or facsimile transmission of the Contract shall constitute receipt of the fully-executed Contract.

The Commonwealth and the Contractor specifically agree as follows:

- a. No handwritten signature shall be required in order for the Contract to be legally enforceable.
- b. The parties agree that no writing shall be required in order to make the Contract legally binding, notwithstanding contrary requirements in any law. The parties hereby agree not to contest the validity or enforceability of a genuine Contract or acknowledgement issued electronically under the provisions of a statute of frauds or any other applicable law relating to whether certain agreements be in writing and signed by the party bound thereby. Any genuine Contract or acknowledgement issued electronically, if introduced as evidence on paper in any judicial, arbitration, mediation, or administrative proceedings, will be admissible as between the parties to the same extent and under the same conditions as other business records originated and maintained in documentary form. Neither party shall contest the admissibility of copies of a genuine Contract or acknowledgements under either the business records exception to the hearsay rule or the best evidence rule on the basis that the Contract or acknowledgement were not in writing or signed by the parties. A Contract or acknowledgment shall be deemed to be genuine for all purposes if it is transmitted to the location designated for such documents.
- c. Each party will immediately take steps to verify any document that appears to be obviously garbled in transmission or improperly formatted to include re-transmission of any such document if necessary.

V.7 CONTRACT-004.1a Definitions (Oct 2013)

As used in this Contract, these words shall have the following meanings:

- a. Agency: The department, board, commission or other agency of the Commonwealth of Pennsylvania listed as the Purchasing Agency. If a COSTARS entity or external procurement activity has issued an order against this contract, that entity shall also be identified as "Agency".
- b. Contracting Officer: The person authorized to administer this Contract for the Commonwealth and to make written determinations with respect to the Contract.
- c. Days: Unless specifically indicated otherwise, days mean calendar days.
- d. Developed Works or Developed Materials: All documents, sketches, drawings, designs, works, papers, files, reports, computer programs, computer documentation, data, records, software, samples or any other tangible material without limitation authored or prepared by Contractor as the work product covered in the scope of work for the Project.

e. Documentation: All materials required to support and convey information about the services required by this Contract. It includes, but is not necessarily restricted to, written reports and analyses, diagrams, maps, logical and physical designs, system designs, computer programs, flow charts, disks, and/or other machine-readable storage media.

f. Services: All Contractor activity necessary to satisfy the Contract.

V.8 CONTRACT-005.1a Purchase Orders (July 2015)

Commonwealth agencies may issue Purchase Orders against the Contract. These orders constitute the Contractor's authority to make delivery. All Purchase Orders received by the Contractor up to and including the expiration date of the Contract are acceptable and must be performed in accordance with the Contract. Each Purchase Order will be deemed to incorporate the terms and conditions set forth in the Contract.

Purchase Orders may be electronically signed by the Agency. The electronically-printed name of the purchaser represents the signature of that individual who has the authority, on behalf of the Commonwealth, to authorize the Contractor to proceed.

Purchase Orders may be issued electronically or through facsimile equipment. The electronic transmission of a purchase order shall require acknowledgement of receipt of the transmission by the Contractor. Receipt of the electronic or facsimile transmission of the Purchase Order shall constitute receipt of an order. Orders received by the Contractor after 4:00 p.m. will be considered received the following business day.

a. No handwritten signature shall be required in order for the Contract or Purchase Order to be legally enforceable.

b. The parties agree that no writing shall be required in order to make the Purchase Order legally binding. The parties hereby agree not to contest the validity or enforceability of a Purchase Order or acknowledgement issued electronically under the provisions of a statute of frauds or any other applicable law relating to whether certain agreements be in writing and signed by the party bound thereby. Any Purchase Order or acknowledgement issued electronically, if introduced as evidence on paper in any judicial, arbitration, mediation, or administrative proceedings, will be admissible as between the parties to the same extent and under the same conditions as other business records originated and maintained in documentary form. Neither party shall contest the admissibility of copies of Purchase Orders or acknowledgements under either the business records exception to the hearsay rule or the best evidence rule on the basis that the Purchase Order or acknowledgement were not in writing or signed by the parties. A Purchase Order or acknowledgment shall be deemed to be genuine for all purposes if it is transmitted to the location designated for such documents.

c. Each party will immediately take steps to verify any document that appears to be obviously garbled in transmission or improperly formatted to include re-transmission of any such document if necessary.

Purchase Orders under ten thousand dollars (\$10,000) in total amount may also be made in person or by telephone using a Commonwealth Purchasing Card. When an order is placed by telephone, the Commonwealth agency shall provide the agency name, employee name, credit card number, and expiration date of the card. Contractors agree to accept payment through the use of the Commonwealth Purchasing Card.

V.9 CONTRACT-006.1 Independent Prime Contractor (Oct 2006)

In performing its obligations under the Contract, the Contractor will act as an independent contractor and not as an employee or agent of the Commonwealth. The Contractor will be responsible for all services in this Contract whether or not Contractor provides them directly. Further, the Contractor is the sole point of contact with regard to all contractual matters, including payment of any and all charges resulting from the Contract.

V.10 CONTRACT-007.01a Supplies Delivery (Nov 30 2006)

All item(s) shall be delivered F.O.B. Destination. The Contractor agrees to bear the risk of loss, injury, or destruction of the item(s) ordered prior to receipt of the items by the Commonwealth. Such loss, injury, or destruction shall not release the Contractor from any contractual obligations. Except as otherwise provided in this contract, all item(s) must be delivered within the time period specified. Time is of the essence and, in addition to

any other remedies, the Contract is subject to termination for failure to deliver as specified. Unless otherwise stated in this Contract, delivery must be made within thirty (30) days after the Effective Date.

V.11 CONTRACT-007.02 Estimated Quantities (Nov 30 2006)

It shall be understood and agreed that any quantities listed in the Contract are estimated only and may be increased or decreased in accordance with the actual requirements of the Commonwealth and that the Commonwealth in accepting any bid or portion thereof, contracts only and agrees to purchase only the materials and services in such quantities as represent the actual requirements of the Commonwealth. The Commonwealth reserves the right to purchase materials and services covered under the Contract through a separate competitive procurement procedure, whenever Commonwealth deems it to be in its best interest.

V.12 CONTRACT-008.1a Warranty. (Oct 2006)

The Contractor warrants that all items furnished and all services performed by the Contractor, its agents and subcontractors shall be free and clear of any defects in workmanship or materials. Unless otherwise stated in the Contract, all items are warranted for a period of one year following delivery by the Contractor and acceptance by the Commonwealth. The Contractor shall repair, replace or otherwise correct any problem with the delivered item. When an item is replaced, it shall be replaced with an item of equivalent or superior quality without any additional cost to the Commonwealth.

V.13 CONTRACT-009.1c Patent, Copyright, and Trademark Indemnity (Oct 2013)

The Contractor warrants that it is the sole owner or author of, or has entered into a suitable legal agreement concerning either: a) the design of any product or process provided or used in the performance of the Contract which is covered by a patent, copyright, or trademark registration or other right duly authorized by state or federal law or b) any copyrighted matter in any report, document or other material provided to the Commonwealth under the contract.

The Contractor shall defend any suit or proceeding brought against the Commonwealth on account of any alleged patent, copyright or trademark infringement in the United States of any of the products provided or used in the performance of the Contract.

This is upon condition that the Commonwealth shall provide prompt notification in writing of such suit or proceeding; full right, authorization and opportunity to conduct the defense thereof; and full information and all reasonable cooperation for the defense of same.

As principles of governmental or public law are involved, the Commonwealth may participate in or choose to conduct, in its sole discretion, the defense of any such action.

If information and assistance are furnished by the Commonwealth at the Contractor's written request, it shall be at the Contractor's expense, but the responsibility for such expense shall be only that within the Contractor's written authorization.

The Contractor shall indemnify and hold the Commonwealth harmless from all damages, costs, and expenses, including attorney's fees that the Contractor or the Commonwealth may pay or incur by reason of any infringement or violation of the rights occurring to any holder of copyright, trademark, or patent interests and rights in any products provided or used in the performance of the Contract.

If any of the products provided by the Contractor in such suit or proceeding are held to constitute infringement and the use is enjoined, the Contractor shall, at its own expense and at its option, either procure the right to continue use of such infringement products, replace them with non-infringement equal performance products or modify them so that they are no longer infringing.

If the Contractor is unable to do any of the preceding, the Contractor agrees to remove all the equipment or software

which are obtained contemporaneously with the infringing product, or, at the option of the Commonwealth, only those items of equipment or software which are held to be infringing, and to pay the Commonwealth: 1) any amounts paid by the Commonwealth towards the purchase of the product, less straight line depreciation; 2) any license fee paid by the Commonwealth for the use of any software, less an amount for the period of usage; and 3) the pro rata portion of any maintenance fee representing the time remaining in any period of maintenance paid for. The obligations of the Contractor under this paragraph continue without time limit. No costs or expenses shall be incurred for the account of the Contractor without its written consent.

V.14 CONTRACT-009.1d Ownership Rights (Oct 2006)

The Commonwealth shall have unrestricted authority to reproduce, distribute, and use any submitted report, data, or material, and any software or modifications and any associated documentation that is designed or developed and delivered to the Commonwealth as part of the performance of the Contract.

V.15 CONTRACT-010.1a Acceptance (Oct 2006)

No item(s) received by the Commonwealth shall be deemed accepted until the Commonwealth has had a reasonable opportunity to inspect the item(s). Any item(s) which is discovered to be defective or fails to conform to the specifications may be rejected upon initial inspection or at any later time if the defects contained in the item(s) or the noncompliance with the specifications were not reasonably ascertainable upon the initial inspection. It shall thereupon become the duty of the Contractor to remove rejected item(s) from the premises without expense to the Commonwealth within fifteen (15) days after notification. Rejected item(s) left longer than fifteen (15) days will be regarded as abandoned, and the Commonwealth shall have the right to dispose of them as its own property and shall retain that portion of the proceeds of any sale which represents the Commonwealth's costs and expenses in regard to the storage and sale of the item(s). Upon notice of rejection, the Contractor shall immediately replace all such rejected item(s) with others conforming to the specifications and which are not defective. If the Contractor fails, neglects or refuses to do so, the Commonwealth shall then have the right to procure a corresponding quantity of such item(s), and deduct from any monies due or that may thereafter become due to the Contractor, the difference between the price stated in the Contract and the cost thereof to the Commonwealth.

V.16 CONTRACT-010.2 Product Conformance (March 2012)

The Commonwealth reserves the right to require any and all Contractors to:

1. Provide certified data from laboratory testing performed by the Contractor, or performed by an independent laboratory, as specified by the Commonwealth.
2. Supply published manufacturer product documentation.
3. Permit a Commonwealth representative to witness testing at the Contractor's location or at an independent laboratory.
4. Complete a survey/questionnaire relating to the bid requirements and specifications.
5. Provide customer references.
6. Provide a product demonstration at a location near Harrisburg or the using agency location.

V.17 CONTRACT-010.3 Rejected Material Not Considered Abandoned (March 2012)

The Commonwealth shall have the right to not regard any rejected material as abandoned and to demand that the Contractor remove the rejected material from the premises within thirty (30) days of notification. The Contractor shall be responsible for removal of the rejected material as well as proper clean-up. If the Contractor fails or refuses to remove the rejected material as demanded by the Commonwealth, the Commonwealth may seek payment from, or set-off from any payments due to the Contractor under this or any other Contract with the Commonwealth,

the costs of removal and clean-up. This is in addition to all other rights to recover costs incurred by the Commonwealth.

V.18 CONTRACT-011.1a Compliance With Law (Oct 2006)

The Contractor shall comply with all applicable federal and state laws and regulations and local ordinances in the performance of the Contract.

V.19 CONTRACT-013.1 Environmental Provisions (Oct 2006)

In the performance of the Contract, the Contractor shall minimize pollution and shall strictly comply with all applicable environmental laws and regulations, including, but not limited to: the Clean Streams Law Act of June 22, 1937 (P.L. 1987, No. 394), as amended 35 P.S. Section 691.601 et seq.; the Pennsylvania Solid Waste Management Act, Act of July 7, 1980 (P.L. 380, No. 97), as amended, 35 P.S. Section 6018.101 et seq. ; and the Dam Safety and Encroachment Act, Act of November 26, 1978 (P.L. 1375, No. 325), as amended , 32 P.S. Section 693.1.

V.20 CONTRACT-014.1 Post-Consumer Recycled Content (June 2016)

Except as specifically waived by the Department of General Services in writing, any products which are provided to the Commonwealth as a part of the performance of the Contract must meet the minimum percentage levels for total recycled content as specified by the Environmental Protection Agency in its Comprehensive Procurement Guidelines, which can be found at <https://www.epa.gov/smm/comprehensive-procurement-guideline-cpg-program> .

V.21 CONTRACT-014.3 Recycled Content Enforcement (February 2012)

The Contractor may be required, after delivery of the Contract item(s), to provide the Commonwealth with documentary evidence that the item(s) was in fact produced with the required minimum percentage of post-consumer and recovered material content.

V.22 CONTRACT-015.1 Compensation (Oct 2006)

The Contractor shall be required to furnish the awarded item(s) at the price(s) quoted in the Purchase Order. All item(s) shall be delivered within the time period(s) specified in the Purchase Order. The Contractor shall be compensated only for item(s) that are delivered and accepted by the Commonwealth.

V.23 CONTRACT-015.2 Billing Requirements (February 2012)

Unless the Contractor has been authorized by the Commonwealth for Evaluated Receipt Settlement or Vendor Self-Invoicing , the Contractor shall include in all of its invoices the following minimum information:

- Vendor name and "Remit to" address, including SAP Vendor number;
- Bank routing information, if ACH;
- SAP Purchase Order number;
- Delivery Address, including name of Commonwealth agency;
- Description of the supplies/services delivered in accordance with SAP Purchase Order (include purchase order line number if possible);
- Quantity provided;
- Unit price;
- Price extension;
- Total price; and
- Delivery date of supplies or services.

If an invoice does not contain the minimum information set forth in this paragraph, the Commonwealth may return the invoice as improper. If the Commonwealth returns an invoice as improper, the time for processing a payment will be suspended until the Commonwealth receives a correct invoice. The Contractor may not receive payment until the Commonwealth has received a correct invoice.

Contractors are required to establish separate billing accounts with each using agency and invoice them directly. Each invoice shall be itemized with adequate detail and match the line item on the Purchase Order. In no instance shall any payment be made for services to the Contractor that are not in accordance with the prices on the Purchase Order, the Contract, updated price lists or any discounts negotiated by the purchasing agency.

V.24 CONTRACT-015.6 Price Adjustment - Manufacturer Price Increases (Oct 2006)

The Contractor may increase the rates to be paid by the Commonwealth in accordance with increases in the published product manufacturer's prices.

V.25 CONTRACT-016.1 Payment (Oct 2006)

- a. The Commonwealth shall put forth reasonable efforts to make payment by the required payment date. The required payment date is: (a) the date on which payment is due under the terms of the Contract; (b) thirty (30) days after a proper invoice actually is received at the "Bill To" address if a date on which payment is due is not specified in the Contract (a "proper" invoice is not received until the Commonwealth accepts the service as satisfactorily performed); or (c) the payment date specified on the invoice if later than the dates established by (a) and (b) above. Payment may be delayed if the payment amount on an invoice is not based upon the price(s) as stated in the Contract. If any payment is not made within fifteen (15) days after the required payment date, the Commonwealth may pay interest as determined by the Secretary of Budget in accordance with Act No. 266 of 1982 and regulations promulgated pursuant thereto. Payment should not be construed by the Contractor as acceptance of the service performed by the Contractor. The Commonwealth reserves the right to conduct further testing and inspection after payment, but within a reasonable time after performance, and to reject the service if such post payment testing or inspection discloses a defect or a failure to meet specifications. The Contractor agrees that the Commonwealth may set off the amount of any state tax liability or other obligation of the Contractor or its subsidiaries to the Commonwealth against any payments due the Contractor under any contract with the Commonwealth.
- b. The Commonwealth shall have the option of using the Commonwealth purchasing card to make purchases under the Contract or Purchase Order. The Commonwealth's purchasing card is similar to a credit card in that there will be a small fee which the Contractor will be required to pay and the Contractor will receive payment directly from the card issuer rather than the Commonwealth. Any and all fees related to this type of payment are the responsibility of the Contractor. In no case will the Commonwealth allow increases in prices to offset credit card fees paid by the Contractor or any other charges incurred by the Contractor, unless specifically stated in the terms of the Contract or Purchase Order.

V.26 CONTRACT-017.1 Taxes (Dec 5 2006)

The Commonwealth is exempt from all excise taxes imposed by the Internal Revenue Service and has accordingly registered with the Internal Revenue Service to make tax free purchases under Registration No. 23-23740001-K. With the exception of purchases of the following items, no exemption certificates are required and none will be issued: undyed diesel fuel, tires, trucks, gas guzzler emergency vehicles, and sports fishing equipment. The Commonwealth is also exempt from Pennsylvania state sales tax, local sales tax, public transportation assistance taxes and fees and vehicle rental tax. The Department of Revenue regulations provide that exemption certificates are not required for sales made to governmental entities and none will be issued. Nothing in this paragraph is meant to exempt a construction contractor from the payment of any of these taxes or fees which are required to be paid with respect to the purchase, use, rental, or lease of tangible personal property or taxable services used or transferred in connection with the performance of a construction contract.

V.27 CONTRACT-018.1 Assignment of Antitrust Claims (Oct 2006)

The Contractor and the Commonwealth recognize that in actual economic practice, overcharges by the Contractor's suppliers resulting from violations of state or federal antitrust laws are in fact borne by the Commonwealth. As part of the consideration for the award of the Contract, and intending to be legally bound, the Contractor assigns to the Commonwealth all right, title and interest in and to any claims the Contractor now has, or may acquire, under state or federal antitrust laws relating to the products and services which are the subject of this Contract.

V.28 CONTRACT-019.1 Hold Harmless Provision (Nov 30 2006)

- a. The Contractor shall hold the Commonwealth harmless from and indemnify the Commonwealth against any and all third party claims, demands and actions based upon or arising out of any activities performed by the Contractor and its employees and agents under this Contract, provided the Commonwealth gives Contractor prompt notice of any such claim of which it learns. Pursuant to the Commonwealth Attorneys Act (71 P.S. Section 732-101, *et seq.*), the Office of Attorney General (OAG) has the sole authority to represent the Commonwealth in actions brought against the Commonwealth. The OAG may, however, in its sole discretion and under such terms as it deems appropriate, delegate its right of defense. If OAG delegates the defense to the Contractor, the Commonwealth will cooperate with all reasonable requests of Contractor made in the defense of such suits.
- b. Notwithstanding the above, neither party shall enter into any settlement without the other party's written consent, which shall not be unreasonably withheld. The Commonwealth may, in its sole discretion, allow the Contractor to control the defense and any related settlement negotiations.

V.29 CONTRACT-020.1 Audit Provisions (Oct 2006)

The Commonwealth shall have the right, at reasonable times and at a site designated by the Commonwealth, to audit the books, documents and records of the Contractor to the extent that the books, documents and records relate to costs or pricing data for the Contract. The Contractor agrees to maintain records which will support the prices charged and costs incurred for the Contract. The Contractor shall preserve books, documents, and records that relate to costs or pricing data for the Contract for a period of three (3) years from date of final payment. The Contractor shall give full and free access to all records to the Commonwealth and/or their authorized representatives.

V.30 CONTRACT-020.2 Single Audit Act of 1984 (Oct 2013)

In compliance with the *Single Audit Act of 1984*, the Contractor agrees to the following:

- a. This Contract is subject to audit by federal and state agencies or their authorized representative in accordance with the auditing standards promulgated by the Comptroller General of the United States and specified in *Government Auditing Standards*, 1994 Revisions (Yellow Book).
- b. The audit requirement of this Contract will be satisfied if a single audit is performed under the provisions of the *Single Audit Act of 1984*, 31 U.S.C. Section 7501, *et seq.*, and all rules and regulations promulgated pursuant to the Act.
- c. The Commonwealth reserves the right for federal and state agencies or their authorized representatives to perform additional audits of a financial/compliance, economy/efficiency, or program results nature, if deemed necessary.

The Contractor further agrees to comply with requirements that may be issued by the state agency upon receipt of additional guidance received from the federal government regarding the *Single Audit Act of 1984*.

V.31 CONTRACT-021.1 Default (Oct 2013)

a. The Commonwealth may, subject to the Force Majeure provisions of this Contract, and in addition to its other rights under the Contract, declare the Contractor in default by written notice thereof to the Contractor, and terminate (as provided in the Termination Provisions of this Contract) the whole or any part of this Contract or any Purchase Order for any of the following reasons:

- 1) Failure to begin work within the time specified in the Contract or Purchase Order or as otherwise specified;
- 2) Failure to perform the work with sufficient labor, equipment, or material to ensure the completion of the specified work in accordance with the Contract or Purchase Order terms;
- 3) Unsatisfactory performance of the work;
- 4) Failure to deliver the awarded item(s) within the time specified in the Contract or Purchase Order or as otherwise specified;
- 5) Improper delivery;
- 6) Failure to provide an item(s) which is in conformance with the specifications referenced in the Contract or Purchase Order;
- 7) Delivery of a defective item;
- 8) Failure or refusal to remove material, or remove and replace any work rejected as defective or unsatisfactory;
- 9) Discontinuance of work without approval;
- 10) Failure to resume work, which has been discontinued, within a reasonable time after notice to do so;
- 11) Insolvency or bankruptcy;
- 12) Assignment made for the benefit of creditors;
- 13) Failure or refusal within 10 days after written notice by the Contracting Officer, to make payment or show cause why payment should not be made, of any amounts due for materials furnished, labor supplied or performed, for equipment rentals, or for utility services rendered;
- 14) Failure to protect, to repair, or to make good any damage or injury to property;
- 15) Breach of any provision of the Contract;
- 16) Failure to comply with representations made in the Contractor's bid/proposal; or
- 17) Failure to comply with applicable industry standards, customs, and practice.

b. In the event that the Commonwealth terminates this Contract or any Purchase Order in whole or in part as provided in Subparagraph a. above, the Commonwealth may procure, upon such terms and in such manner as it determines, items similar or identical to those so terminated, and the Contractor shall be liable to the Commonwealth for any reasonable excess costs for such similar or identical items included within the terminated part of the Contract or Purchase Order.

c. If the Contract or a Purchase Order is terminated as provided in Subparagraph a. above, the Commonwealth, in addition to any other rights provided in this paragraph, may require the Contractor to transfer title and deliver immediately to the Commonwealth in the manner and to the extent directed by the Contracting Officer, such partially completed items, including, where applicable, reports, working papers and other documentation, as the Contractor has specifically produced or specifically acquired for the performance of such part of the Contract or Purchase Order as has been terminated. Except as provided below, payment for completed work accepted by the Commonwealth shall be at the Contract price. Except as provided below, payment for partially completed items

including, where applicable, reports and working papers, delivered to and accepted by the Commonwealth shall be in an amount agreed upon by the Contractor and Contracting Officer. The Commonwealth may withhold from amounts otherwise due the Contractor for such completed or partially completed works, such sum as the Contracting Officer determines to be necessary to protect the Commonwealth against loss.

d. The rights and remedies of the Commonwealth provided in this paragraph shall not be exclusive and are in addition to any other rights and remedies provided by law or under this Contract.

e. The Commonwealth's failure to exercise any rights or remedies provided in this paragraph shall not be construed to be a waiver by the Commonwealth of its rights and remedies in regard to the event of default or any succeeding event of default.

f. Following exhaustion of the Contractor's administrative remedies as set forth in the Contract Controversies Provision of the Contract, the Contractor's exclusive remedy shall be to seek damages in the Board of Claims.

V.32 CONTRACT-022.1 Force Majeure (Oct 2006)

Neither party will incur any liability to the other if its performance of any obligation under this Contract is prevented or delayed by causes beyond its control and without the fault or negligence of either party. Causes beyond a party's control may include, but aren't limited to, acts of God or war, changes in controlling law, regulations, orders or the requirements of any governmental entity, severe weather conditions, civil disorders, natural disasters, fire, epidemics and quarantines, general strikes throughout the trade, and freight embargoes.

The Contractor shall notify the Commonwealth orally within five (5) days and in writing within ten (10) days of the date on which the Contractor becomes aware, or should have reasonably become aware, that such cause would prevent or delay its performance. Such notification shall (i) describe fully such cause(s) and its effect on performance, (ii) state whether performance under the contract is prevented or delayed and (iii) if performance is delayed, state a reasonable estimate of the duration of the delay. The Contractor shall have the burden of proving that such cause(s) delayed or prevented its performance despite its diligent efforts to perform and shall produce such supporting documentation as the Commonwealth may reasonably request. After receipt of such notification, the Commonwealth may elect to cancel the Contract, cancel the Purchase Order, or to extend the time for performance as reasonably necessary to compensate for the Contractor's delay.

In the event of a declared emergency by competent governmental authorities, the Commonwealth by notice to the Contractor, may suspend all or a portion of the Contract or Purchase Order.

V.33 CONTRACT-023.1a Termination Provisions (Oct 2013)

The Commonwealth has the right to terminate this Contract or any Purchase Order for any of the following reasons. Termination shall be effective upon written notice to the Contractor.

a. **TERMINATION FOR CONVENIENCE:** The Commonwealth shall have the right to terminate the Contract or a Purchase Order for its convenience if the Commonwealth determines termination to be in its best interest. The Contractor shall be paid for work satisfactorily completed prior to the effective date of the termination, but in no event shall the Contractor be entitled to recover loss of profits.

b. **NON-APPROPRIATION:** The Commonwealth's obligation to make payments during any Commonwealth fiscal year succeeding the current fiscal year shall be subject to availability and appropriation of funds. When funds (state and/or federal) are not appropriated or otherwise made available to support continuation of performance in a subsequent fiscal year period, the Commonwealth shall have the right to terminate the Contract or a Purchase Order. The Contractor shall be reimbursed for the reasonable value of any nonrecurring costs incurred but not amortized in the price of the supplies or services delivered under the Contract. Such reimbursement shall not include loss of profit, loss of use of money, or administrative or overhead costs. The reimbursement amount may be paid from any appropriations available for that purpose.

c. **TERMINATION FOR CAUSE:** The Commonwealth shall have the right to terminate the Contract or a Purchase Order for Contractor default under the Default Clause upon written notice to the Contractor. The

Commonwealth shall also have the right, upon written notice to the Contractor, to terminate the Contract or a Purchase Order for other cause as specified in the Contract or by law. If it is later determined that the Commonwealth erred in terminating the Contract or a Purchase Order for cause, then, at the Commonwealth's discretion, the Contract or Purchase Order shall be deemed to have been terminated for convenience under the Subparagraph a.

V.34 CONTRACT-024.1 Contract Controversies (Oct 2011)

a. In the event of a controversy or claim arising from the Contract, the Contractor must, within six months after the cause of action accrues, file a written claim with the contracting officer for a determination. The claim shall state all grounds upon which the Contractor asserts a controversy exists. If the Contractor fails to file a claim or files an untimely claim, the Contractor is deemed to have waived its right to assert a claim in any forum. At the time the claim is filed, or within sixty (60) days thereafter, either party may request mediation through the Commonwealth Office of General Counsel Dispute Resolution Program.

b. If the Contractor or the contracting officer requests mediation and the other party agrees, the contracting officer shall promptly make arrangements for mediation. Mediation shall be scheduled so as to not delay the issuance of the final determination beyond the required 120 days after receipt of the claim if mediation is unsuccessful. If mediation is not agreed to or if resolution is not reached through mediation, the contracting officer shall review timely-filed claims and issue a final determination, in writing, regarding the claim. The final determination shall be issued within 120 days of the receipt of the claim, unless extended by consent of the contracting officer and the Contractor. The contracting officer shall send his/her written determination to the Contractor. If the contracting officer fails to issue a final determination within the 120 days (unless extended by consent of the parties), the claim shall be deemed denied. The contracting officer's determination shall be the final order of the purchasing agency.

c. Within fifteen (15) days of the mailing date of the determination denying a claim or within 135 days of filing a claim if, no extension is agreed to by the parties, whichever occurs first, the Contractor may file a statement of claim with the Commonwealth Board of Claims. Pending a final judicial resolution of a controversy or claim, the Contractor shall proceed diligently with the performance of the Contract in a manner consistent with the determination of the contracting officer and the Commonwealth shall compensate the Contractor pursuant to the terms of the Contract.

V.35 CONTRACT-025.1 Assignability and Subcontracting (Oct 2013)

a. Subject to the terms and conditions of this paragraph, this Contract shall be binding upon the parties and their respective successors and assigns.

b. The Contractor shall not subcontract with any person or entity to perform all or any part of the work to be performed under this Contract without the prior written consent of the Contracting Officer, which consent may be withheld at the sole and absolute discretion of the Contracting Officer.

c. The Contractor may not assign, in whole or in part, this Contract or its rights, duties, obligations, or responsibilities hereunder without the prior written consent of the Contracting Officer, which consent may be withheld at the sole and absolute discretion of the Contracting Officer.

d. Notwithstanding the foregoing, the Contractor may, without the consent of the Contracting Officer, assign its rights to payment to be received under the Contract, provided that the Contractor provides written notice of such assignment to the Contracting Officer together with a written acknowledgement from the assignee that any such payments are subject to all of the terms and conditions of this Contract.

e. For the purposes of this Contract, the term "assign" shall include, but shall not be limited to, the sale, gift, assignment, pledge, or other transfer of any ownership interest in the Contractor provided, however, that the term shall not apply to the sale or other transfer of stock of a publicly traded company.

f. Any assignment consented to by the Contracting Officer shall be evidenced by a written assignment

agreement executed by the Contractor and its assignee in which the assignee agrees to be legally bound by all of the terms and conditions of the Contract and to assume the duties, obligations, and responsibilities being assigned.

g. A change of name by the Contractor, following which the Contractor's federal identification number remains unchanged, shall not be considered to be an assignment hereunder. The Contractor shall give the Contracting Officer written notice of any such change of name.

V.36 CONTRACT-026.1 Other Contractors (Oct 2006)

The Commonwealth may undertake or award other contracts for additional or related work, and the Contractor shall fully cooperate with other contractors and Commonwealth employees, and coordinate its work with such additional work as may be required. The Contractor shall not commit or permit any act that will interfere with the performance of work by any other contractor or by Commonwealth employees. This paragraph shall be included in the Contracts of all contractors with which this Contractor will be required to cooperate. The Commonwealth shall equitably enforce this paragraph as to all contractors to prevent the imposition of unreasonable burdens on any contractor.

V.37 CONTRACT-027.1 Nondiscrimination/Sexual Harassment Clause (August 2018)

The Contractor agrees:

1. In the hiring of any employee(s) for the manufacture of supplies, performance of work, or any other activity required under the contract or any subcontract, the Contractor, each subcontractor, or any person acting on behalf of the Contractor or subcontractor shall not discriminate by reason of race, gender, creed, color, sexual orientation, gender identity or expression, or in violation of the *Pennsylvania Human Relations Act* (PHRA) and applicable federal laws, against any citizen of this Commonwealth who is qualified and available to perform the work to which the employment relates.
2. Neither the Contractor nor any subcontractor nor any person on their behalf shall in any manner discriminate by reason of race, gender, creed, color, sexual orientation, gender identity or expression, or in violation of the PHRA and applicable federal laws, against or intimidate any employee involved in the manufacture of supplies, the performance of work, or any other activity required under the contract.
3. Neither the Contractor nor any subcontractor nor any person on their behalf shall in any manner discriminate by reason of race, gender, creed, color, sexual orientation, gender identity or expression, or in violation of the PHRA and applicable federal laws, in the provision of services under the contract.
4. Neither the Contractor nor any subcontractor nor any person on their behalf shall in any manner discriminate against employees by reason of participation in or decision to refrain from participating in labor activities protected under the *Public Employee Relations Act*, *Pennsylvania Labor Relations Act* or *National Labor Relations Act*, as applicable and to the extent determined by entities charged with such Acts' enforcement, and shall comply with any provision of law establishing organizations as employees' exclusive representatives.
5. The Contractor and each subcontractor shall establish and maintain a written nondiscrimination and sexual harassment policy and shall inform their employees in writing of the policy. The policy must contain a provision that sexual harassment will not be tolerated and employees who practice it will be disciplined. Posting this Nondiscrimination/Sexual Harassment Clause conspicuously in easily-accessible and well-lighted places customarily frequented by employees and at or near where the contracted services are performed shall satisfy this requirement for employees with an established work site.
6. The Contractor and each subcontractor shall not discriminate by reason of race, gender, creed, color, sexual orientation, gender identity or expression, or in violation of PHRA and applicable federal laws, against any subcontractor or supplier who is qualified to perform the work to which the contract relates.
7. The Contractor and each subcontractor represents that it is presently in compliance with and will

maintain compliance with all applicable federal, state, and local laws, regulations and policies relating to nondiscrimination and sexual harassment. The Contractor and each subcontractor further represents that it has filed a Standard Form 100 Employer Information Report ("EEO-1") with the U.S. Equal Employment Opportunity Commission ("EEOC") and shall file an annual EEO-1 report with the EEOC as required for employers' subject to *Title VII of the Civil Rights Act of 1964*, as amended, that have 100 or more employees and employers that have federal government contracts or first-tier subcontracts and have 50 or more employees. The Contractor and each subcontractor shall, upon request and within the time periods requested by the Commonwealth, furnish all necessary employment documents and records, including EEO-1 reports, and permit access to their books, records, and accounts by the contracting agency and the Bureau of Diversity, Inclusion and Small Business Opportunities for purpose of ascertaining compliance with provisions of this Nondiscrimination/Sexual Harassment Clause.

8. The Contractor shall include the provisions of this Nondiscrimination/Sexual Harassment Clause in every subcontract so that those provisions applicable to subcontractors will be binding upon each subcontractor.

9. The Contractor's and each subcontractor's obligations pursuant to these provisions are ongoing from and after the effective date of the contract through the termination date thereof. Accordingly, the Contractor and each subcontractor shall have an obligation to inform the Commonwealth if, at any time during the term of the contract, it becomes aware of any actions or occurrences that would result in violation of these provisions.

10. The Commonwealth may cancel or terminate the contract and all money due or to become due under the contract may be forfeited for a violation of the terms and conditions of this Nondiscrimination/Sexual Harassment Clause. In addition, the agency may proceed with debarment or suspension and may place the Contractor in the Contractor Responsibility File.

V.38 CONTRACT-028.1 Contractor Integrity Provisions (January 2015)

It is essential that those who seek to contract with the Commonwealth of Pennsylvania ("Commonwealth") observe high standards of honesty and integrity. They must conduct themselves in a manner that fosters public confidence in the integrity of the Commonwealth contracting and procurement process.

1. DEFINITIONS. For purposes of these Contractor Integrity Provisions, the following terms shall have the meanings found in this Section:

a. "Affiliate" means two or more entities where (a) a parent entity owns more than fifty percent of the voting stock of each of the entities; or (b) a common shareholder or group of shareholders owns more than fifty percent of the voting stock of each of the entities; or (c) the entities have a common proprietor or general partner.

b. "Consent" means written permission signed by a duly authorized officer or employee of the Commonwealth, provided that where the material facts have been disclosed, in writing, by prequalification, bid, proposal, or contractual terms, the Commonwealth shall be deemed to have consented by virtue of the execution of this contract.

c. "Contractor" means the individual or entity, that has entered into this contract with the Commonwealth.

d. "Contractor Related Parties" means any affiliates of the Contractor and the Contractor's executive officers, Pennsylvania officers and directors, or owners of 5 percent or more interest in the Contractor.

e. "Financial Interest" means either:

(1) Ownership of more than a five percent interest in any business; or

(2) Holding a position as an officer, director, trustee, partner, employee, or holding any position of management.

f. "Gratuity" means tendering, giving, or providing anything of more than nominal monetary value including, but not limited to, cash, travel, entertainment, gifts, meals, lodging, loans, subscriptions, advances, deposits of money, services, employment, or contracts of any kind. The exceptions set forth in the *Governor's Code of Conduct*,

Executive Order 1980-18, the 4 Pa. Code §7.153(b), shall apply.

g. "Non-bid Basis" means a contract awarded or executed by the Commonwealth with Contractor without seeking bids or proposals from any other potential bidder or offeror.

2. In furtherance of this policy, Contractor agrees to the following:

a. Contractor shall maintain the highest standards of honesty and integrity during the performance of this contract and shall take no action in violation of state or federal laws or regulations or any other applicable laws or regulations, or other requirements applicable to Contractor or that govern contracting or procurement with the Commonwealth.

b. Contractor shall establish and implement a written business integrity policy, which includes, at a minimum, the requirements of these provisions as they relate to the Contractor activity with the Commonwealth and Commonwealth employees and which is made known to all Contractor employees. Posting these Contractor Integrity Provisions conspicuously in easily-accessible and well-lighted places customarily frequented by employees and at or near where the contract services are performed shall satisfy this requirement.

c. Contractor, its affiliates, agents, employees and anyone in privity with Contractor shall not accept, agree to give, offer, confer or agree to confer or promise to confer, directly or indirectly, any gratuity or pecuniary benefit to any person, or to influence or attempt to influence any person in violation of any federal or state law, regulation, executive order of the Governor of Pennsylvania, statement of policy, management directive or any other published standard of the Commonwealth in connection with performance of work under this contract, except as provided in this contract.

d. Contractor shall not have a financial interest in any other contractor, subcontractor, or supplier providing services, labor or material under this contract, unless the financial interest is disclosed to the Commonwealth in writing and the Commonwealth consents to Contractor's financial interest prior to Commonwealth execution of the contract. Contractor shall disclose the financial interest to the Commonwealth at the time of bid or proposal submission, or if no bids or proposals are solicited, no later than the Contractor's submission of the contract signed by Contractor.

e. Contractor certifies to the best of its knowledge and belief that within the last five (5) years Contractor or Contractor Related Parties have not:

- (1) been indicted or convicted of a crime involving moral turpitude or business honesty or integrity in any jurisdiction;
- (2) been suspended, debarred or otherwise disqualified from entering into any contract with any governmental agency;
- (3) had any business license or professional license suspended or revoked;
- (4) had any sanction or finding of fact imposed as a result of a judicial or administrative proceeding related to fraud, extortion, bribery, bid rigging, embezzlement, misrepresentation or anti-trust; and
- (5) been, and is not currently, the subject of a criminal investigation by any federal, state or local prosecuting or investigative agency and/or civil anti-trust investigation by any federal, state or local prosecuting or investigative agency.

If Contractor cannot so certify to the above, then it must submit along with its bid, proposal or contract a written explanation of why such certification cannot be made and the Commonwealth will determine whether a contract may be entered into with the Contractor. The Contractor's obligation pursuant to this certification is ongoing from and after the effective date of the contract through the termination date thereof. Accordingly, the Contractor shall have an obligation to immediately notify the Commonwealth in writing if at any time during the term of the contract it becomes aware of any event which would cause the Contractor's certification or explanation to change.

Contractor acknowledges that the Commonwealth may, in its sole discretion, terminate the contract for cause if it learns that any of the certifications made herein are currently false due to intervening factual circumstances or were

false or should have been known to be false when entering into the contract.

f. Contractor shall comply with the requirements of the *Lobbying Disclosure Act (65 Pa.C.S. §13A01 et seq.)* regardless of the method of award. If this contract was awarded on a Non-bid Basis, Contractor must also comply with the requirements of the *Section 1641 of the Pennsylvania Election Code (25 P.S. §3260a)*.

g. When contractor has reason to believe that any breach of ethical standards as set forth in law, the Governor's Code of Conduct, or these Contractor Integrity Provisions has occurred or may occur, including but not limited to contact by a Commonwealth officer or employee which, if acted upon, would violate such ethical standards, Contractor shall immediately notify the Commonwealth contracting officer or the Office of the State Inspector General in writing.

h. Contractor, by submission of its bid or proposal and/or execution of this contract and by the submission of any bills, invoices or requests for payment pursuant to the contract, certifies and represents that is has not violated any of these Contractor Integrity Provisions in connection with the submission of the bid or proposal, during any contract negotiations or during the term of the contract, to include any extensions thereof. Contractor shall immediately notify the Commonwealth in writing of any actions for occurrences that would result in a violation of these Contractor Integrity Provisions. Contractor agrees to reimburse the Commonwealth for the reasonable costs of investigation incurred by the Office of the State Inspector General for investigations of the Contractor's compliance with the terms of this or any other agreement between the Contractor and the Commonwealth that results in the suspension or debarment of the Contractor. Contractor shall not be responsible for investigative costs for investigations that do not result in the Contractor's suspension or debarment.

i. Contractor shall cooperate with the Office of the State Inspector General in its investigation of any alleged Commonwealth agency or employee breach of ethical standards and any alleged Contractor non-compliance with these Contractor Integrity Provisions. Contractor agrees to make identified Contractor employees available for interviews at reasonable times and places. Contractor, upon the inquiry or request of an Inspector General, shall provide, or if appropriate, make promptly available for inspection or copying, any information of any type or form deemed relevant by the Office of the State Inspector General to Contractor's integrity and compliance with these provisions. Such information may include, but shall not be limited to, Contractor's business or financial records, documents or files of any type or form that refer to or concern this contract. Contractor shall incorporate this paragraph in any agreement, contract or subcontract it enters into in the course of the performance of this contract/agreement solely for the purpose of obtaining subcontractor compliance with this provision. The incorporation of this provision in a subcontract shall not create privity of contract between the Commonwealth and any such subcontractor, and no third party beneficiaries shall be created thereby.

j. For violation of any of these Contractor Integrity Provisions, the Commonwealth may terminate this and any other contract with Contractor, claim liquidated damages in an amount equal to the value of anything received in breach of these Provisions, claim damages for all additional costs and expenses incurred in obtaining another contractor to complete performance under this contract, and debar and suspend Contractor from doing business with the Commonwealth. These rights and remedies are cumulative, and the use or non-use of any one shall not preclude the use of all or any other. These rights and remedies are in addition to those the Commonwealth may have under law, statute, regulation or otherwise.

V.39 CONTRACT-029.1 Contractor Responsibility Provisions (Nov 2010)

For the purpose of these provisions, the term contractor is defined as any person, including, but not limited to, a bidder, offeror, loan recipient, grantee or lessor, who has furnished or performed or seeks to furnish or perform, goods, supplies, services, leased space, construction or other activity, under a contract, grant, lease, purchase order or reimbursement agreement with the Commonwealth of Pennsylvania (Commonwealth). The term contractor includes a permittee, licensee, or any agency, political subdivision, instrumentality, public authority, or other public entity in the Commonwealth.

1. The Contractor certifies, in writing, for itself and its subcontractors required to be disclosed or approved by the Commonwealth, that as of the date of its execution of this Bid/Contract, that neither the Contractor, nor any such

subcontractors, are under suspension or debarment by the Commonwealth or any governmental entity, instrumentality, or authority and, if the Contractor cannot so certify, then it agrees to submit, along with its Bid/Contract, a written explanation of why such certification cannot be made.

2. The Contractor also certifies, in writing, that as of the date of its execution of this Bid/Contract it has no tax liabilities or other Commonwealth obligations, or has filed a timely administrative or judicial appeal if such liabilities or obligations exist, or is subject to a duly approved deferred payment plan if such liabilities exist.

3. The Contractor's obligations pursuant to these provisions are ongoing from and after the effective date of the Contract through the termination date thereof. Accordingly, the Contractor shall have an obligation to inform the Commonwealth if, at any time during the term of the Contract, it becomes delinquent in the payment of taxes, or other Commonwealth obligations, or if it or, to the best knowledge of the Contractor, any of its subcontractors are suspended or debarred by the Commonwealth, the federal government, or any other state or governmental entity. Such notification shall be made within 15 days of the date of suspension or debarment.

4. The failure of the Contractor to notify the Commonwealth of its suspension or debarment by the Commonwealth, any other state, or the federal government shall constitute an event of default of the Contract with the Commonwealth.

5. The Contractor agrees to reimburse the Commonwealth for the reasonable costs of investigation incurred by the Office of State Inspector General for investigations of the Contractor's compliance with the terms of this or any other agreement between the Contractor and the Commonwealth that results in the suspension or debarment of the contractor. Such costs shall include, but shall not be limited to, salaries of investigators, including overtime; travel and lodging expenses; and expert witness and documentary fees. The Contractor shall not be responsible for investigative costs for investigations that do not result in the Contractor's suspension or debarment.

6. The Contractor may obtain a current list of suspended and debarred Commonwealth contractors by either searching the Internet at <http://www.dgs.state.pa.us/> or contacting the:

Department of General Services
Office of Chief Counsel
603 North Office Building
Harrisburg, PA 17125
Telephone No: (717) 783-6472
FAX No: (717) 787-9138

V.40 CONTRACT-030.1 Americans with Disabilities Act (April 1, 2010)

a. Pursuant to federal regulations promulgated under the authority of The Americans With Disabilities Act, 28 C.F.R. Section 35.101 et seq., the Contractor understands and agrees that it shall not cause any individual with a disability to be excluded from participation in this Contract or from activities provided for under this Contract on the basis of the disability. As a condition of accepting this contract, the Contractor agrees to comply with the "General Prohibitions Against Discrimination," 28 C.F.R. Section 35.130, and all other regulations promulgated under Title II of The Americans With Disabilities Act which are applicable to all benefits, services, programs, and activities provided by the Commonwealth of Pennsylvania through contracts with outside contractors.

b. The Contractor shall be responsible for and agrees to indemnify and hold harmless the Commonwealth of Pennsylvania from all losses, damages, expenses, claims, demands, suits, and actions brought by any party against the Commonwealth of Pennsylvania as a result of the Contractor's failure to comply with the provisions of Subparagraph a above.

V.41 CONTRACT-031.1 Hazardous Substances (April 2017)

The Contractor shall provide information to the Commonwealth about the identity and hazards of hazardous substances supplied or used by the Contractor in the performance of the Contract. The Contractor must comply with Act 159 of October 5, 1984, known as the "Worker and Community Right to Know Act" (the "Act") and the regulations promulgated pursuant thereto at 34 Pa. Code Section 301.1 - 323.6.

a. Labeling. The Contractor shall ensure that each individual product (as well as the carton, container or package in which the product is shipped) of any of the following substances (as defined by the Act and the regulations)

supplied by the Contractor is clearly labeled, tagged or marked with the information listed in Subparagraphs (1) through (4):

- 1) Hazardous substances:
 - a) The chemical name or common name,
 - b) A hazard warning, and
 - c) The name, address, and telephone number of the manufacturer.
- 2) Hazardous mixtures:
 - a) The common name, but if none exists, then the trade name,
 - b) The chemical or common name of special hazardous substances comprising .01% or more of the mixture,
 - c) The chemical or common name of hazardous substances consisting 1.0% or more of the mixture,
 - d) A hazard warning, and
 - e) The name, address, and telephone number of the manufacturer.
- 3) Single chemicals:
 - a) The chemical name or the common name,
 - b) A hazard warning, if appropriate, and
 - c) The name, address, and telephone number of the manufacturer.
- 4) Chemical Mixtures:
 - a) The common name, but if none exists, then the trade name,
 - b) A hazard warning, if appropriate,
 - c) The name, address, and telephone number of the manufacturer, and
 - d) The chemical name or common name of either the top five substances by volume or those substances consisting of 5.0% or more of the mixture.
A common name or trade name may be used only if the use of the name more easily or readily identifies the true nature of the hazardous substance, hazardous mixture, single chemical, or mixture involved.

Container labels shall provide a warning as to the specific nature of the hazard arising from the substance in the container.

The hazard warning shall be given in conformity with one of the nationally recognized and accepted systems of providing warnings, and hazard warnings shall be consistent with one or more of the recognized systems throughout the workplace. Examples are:

- NFPA 704, Identification of the Fire Hazards of Materials.
- National Paint and Coatings Association: Hazardous Materials Identification System.
- American Society for Testing and Materials, Safety Alert Pictorial Chart.
- American National Standard Institute, Inc., for the Precautionary Labeling of Hazardous Industrial Chemicals.

Labels must be legible and prominently affixed to and displayed on the product and the carton, container, or package so that employees can easily identify the substance or mixture present therein.

b. Material Safety Data Sheet. The contractor shall provide Material Safety Data Sheets (MSDS) with the information required by the Act and the regulations for each hazardous substance or hazardous mixture. The Commonwealth must be provided an appropriate MSDS with the initial shipment and with the first shipment after an MSDS is updated or product changed. For any other chemical, the contractor shall provide an appropriate MSDS, if the manufacturer, importer, or supplier produces or possesses the MSDS. The contractor shall also notify the Commonwealth when a substance or mixture is subject to the provisions of the Act. Material Safety Data Sheets may be attached to the carton, container, or package mailed to the Commonwealth at the time of shipment.

V.42 CONTRACT-032.1 Covenant Against Contingent Fees (Oct 2006)

The Contractor warrants that no person or selling agency has been employed or retained to solicit or secure the Contract upon an agreement or understanding for a commission, percentage, brokerage, or contingent fee, except bona fide employees or bona fide established commercial or selling agencies maintained by the Contractor for the purpose of securing business. For breach or violation of this warranty, the Commonwealth shall have the right to terminate the Contract without liability or in its discretion to deduct from the Contract price or consideration, or otherwise recover the full amount of such commission, percentage, brokerage, or contingent fee.

V.43 CONTRACT-033.1 Applicable Law (Oct 2006)

This Contract shall be governed by and interpreted and enforced in accordance with the laws of the Commonwealth of Pennsylvania (without regard to any conflict of laws provisions) and the decisions of the Pennsylvania courts. The Contractor consents to the jurisdiction of any court of the Commonwealth of Pennsylvania and any federal courts in Pennsylvania, waiving any claim or defense that such forum is not convenient or proper. The Contractor agrees that any such court shall have in personam jurisdiction over it, and consents to service of process in any manner authorized by Pennsylvania law.

V.44 CONTRACT- 034.1b Integration (Nov 30 2006)

This Contract, including the Invitation for Bids, the Contractor's bid, all referenced documents, and any Purchase Order constitutes the entire agreement between the parties. No agent, representative, employee or officer of either the Commonwealth or the Contractor has authority to make, or has made, any statement, agreement or representation, oral or written, in connection with the Contract, which in any way can be deemed to modify, add to or detract from, or otherwise change or alter its terms and conditions. No negotiations between the parties, nor any custom or usage, shall be permitted to modify or contradict any of the terms and conditions of the Contract. No modifications, alterations, changes, or waiver to the Contract or any of its terms shall be valid or binding unless accomplished by a written amendment signed by both parties.

V.45 CONTRACT-034.2b Order of Precedence - IFB (Dec 6 2006)

In the event there is a conflict among the documents comprising this Contract, the Commonwealth and the Contractor agree on the following order of precedence: the Contract; the IFB; and the Contractor's Bid in Response to the IFB.

V.46 CONTRACT-034.3 Controlling Terms and Conditions (Aug 2011)

The terms and conditions of this Contract shall be the exclusive terms of agreement between the Contractor and the Commonwealth. All quotations requested and received from the Contractor are for obtaining firm pricing only. Other terms and conditions or additional terms and conditions included or referenced in the Contractor's quotations, invoices, business forms, or other documentation shall not become part of the parties' agreement and shall be disregarded by the parties, unenforceable by the Contractor and not binding on the Commonwealth.

V.47 CONTRACT-035.1a Changes (Oct 2006)

The Commonwealth reserves the right to make changes at any time during the term of the Contract or any renewals or extensions thereof: 1) to increase or decrease the quantities resulting from variations between any estimated quantities in the Contract and actual quantities; 2) to make changes to the services within the scope of the Contract; 3) to notify the Contractor that the Commonwealth is exercising any Contract renewal or extension option; or 4) to modify the time of performance that does not alter the scope of the Contract to extend the completion date beyond the Expiration Date of the Contract or any renewals or extensions thereof. Any such change shall be made by the Contracting Officer by notifying the Contractor in writing. The change shall be effective as of the date of the change, unless the notification of change specifies a later effective date. Such increases, decreases, changes, or modifications will not invalidate the Contract, nor, if performance security is being furnished in conjunction with the Contract, release the security obligation. The Contractor agrees to provide the service in accordance with the change order. Any dispute by the Contractor in regard to the performance required by any notification of change shall be handled through Contract Controversies Provision.

V.48 CONTRACT-037.1a Confidentiality (Oct 2013)

(a) The Contractor agrees to protect the confidentiality of the Commonwealth's confidential information. The Commonwealth agrees to protect the confidentiality of Contractor's confidential information. In order for information to be deemed confidential, the party claiming confidentiality must designate the information as "confidential" in such a way as to give notice to the other party (notice may be communicated by describing the information, and the specifications around its use or disclosure, in the SOW). Neither party may assert that information owned by the other party is such party's confidential information. The parties agree that such confidential information shall not be copied, in whole or in part, or used or disclosed except when essential for authorized activities under this Contract and, in the case of disclosure, where the recipient of the confidential information has agreed to be bound by confidentiality requirements no less restrictive than those set forth herein. Each copy of such confidential information shall be marked by the party making the copy with any notices appearing in the original. Upon termination or cancellation of this Contract or any license granted hereunder, the receiving party will return to the disclosing party all copies of the confidential information in the receiving party's possession, other than one copy, which may be maintained for archival purposes only, and which will remain subject to this Contract's security, privacy, data retention/destruction and confidentiality provisions (all of which shall survive the expiration of this Contract). Both parties agree that a material breach of these requirements may, after failure to cure within the time frame specified in this Contract, and at the discretion of the non-breaching party, result in termination for default pursuant to the DEFAULT provision of this Contract, in addition to other remedies available to the non-breaching party.

(b) Insofar as information is not otherwise protected by law or regulation, the obligations stated in this Section do not apply to information:

- (1) already known to the recipient at the time of disclosure other than through the contractual relationship;
- (2) independently generated by the recipient and not derived by the information supplied by the disclosing party.
- (3) known or available to the public, except where such knowledge or availability is the result of unauthorized disclosure by the recipient of the proprietary information;
- (4) disclosed to the recipient without a similar restriction by a third party who has the right to make such disclosure; or
- (5) required to be disclosed by law, regulation, court order, or other legal process.

There shall be no restriction with respect to the use or disclosure of any ideas, concepts, know-how, or data processing techniques developed alone or jointly with the Commonwealth in connection with services provided to the Commonwealth under this Contract.

(c) The Contractor shall use the following process when submitting information to the Commonwealth it believes to be confidential and/or proprietary information or trade secrets:

- (1) Prepare an un-redacted version of the appropriate document, and
- (2) Prepare a redacted version of the document that redacts the information that is asserted to be confidential or proprietary information or a trade secret, and
- (3) Prepare a signed written statement that states:
 - (i) the attached document contains confidential or proprietary information or trade secrets;
 - (ii) the Contractor is submitting the document in both redacted and un-redacted format in accordance with 65 P.S. § 67.707(b); and
 - (iii) the Contractor is requesting that the document be considered exempt under 65 P.S. § 67.708(b)(11) from public records requests.
- (4) Submit the two documents along with the signed written statement to the Commonwealth.

V.49 CONTRACT-046.1 Manufacturer's Price Reduction (Oct 2006)

If, prior to the delivery of the awarded item(s) by the Contractor, a price reduction is announced by the original equipment manufacturer, a comparative price reduction will be given to the Commonwealth by the Contractor.

V.50 CONTRACT-051.1 Notice (Dec 2006)

Any written notice to any party under this Contract shall be deemed sufficient if delivered personally, or by facsimile, telecopy, electronic or digital transmission (provided such delivery is confirmed), or by a recognized overnight courier service (e.g., DHL, Federal Express, etc.) with confirmed receipt, or by certified or registered United States mail, postage prepaid, return receipt requested, and sent to following:

- a. If to the Contractor: the Contractor's address as recorded in the Commonwealth's Supplier Registration system.
- b. If to the Commonwealth: the address of the Issuing Office as set forth on the Contract.

V.51 CONTRACT-052.1 Right to Know Law (Feb 2010)

a. The Pennsylvania Right-to-Know Law, 65 P.S. §§ 67.101-3104, ("RTKL") applies to this Contract. For the purpose of these provisions, the term "the Commonwealth" shall refer to the contracting Commonwealth agency.

b. If the Commonwealth needs the Contractor's assistance in any matter arising out of the RTKL related to this Contract, it shall notify the Contractor using the legal contact information provided in this Contract. The Contractor, at any time, may designate a different contact for such purpose upon reasonable prior written notice to the Commonwealth.

c. Upon written notification from the Commonwealth that it requires the Contractor's assistance in responding to a request under the RTKL for information related to this Contract that may be in the Contractor's possession, constituting, or alleged to constitute, a public record in accordance with the RTKL ("Requested Information"), the Contractor shall:

1. Provide the Commonwealth, within ten (10) calendar days after receipt of written notification, access to, and copies of, any document or information in the Contractor's possession arising out of this Contract that the Commonwealth reasonably believes is Requested Information and may be a public record under the RTKL; and
2. Provide such other assistance as the Commonwealth may reasonably request, in order to comply with the RTKL with respect to this Contract.

d. If the Contractor considers the Requested Information to include a request for a Trade Secret or Confidential Proprietary Information, as those terms are defined by the RTKL, or other information that the Contractor considers

exempt from production under the RTKL, the Contractor must notify the Commonwealth and provide, within seven (7) calendar days of receiving the written notification, a written statement signed by a representative of the Contractor explaining why the requested material is exempt from public disclosure under the RTKL.

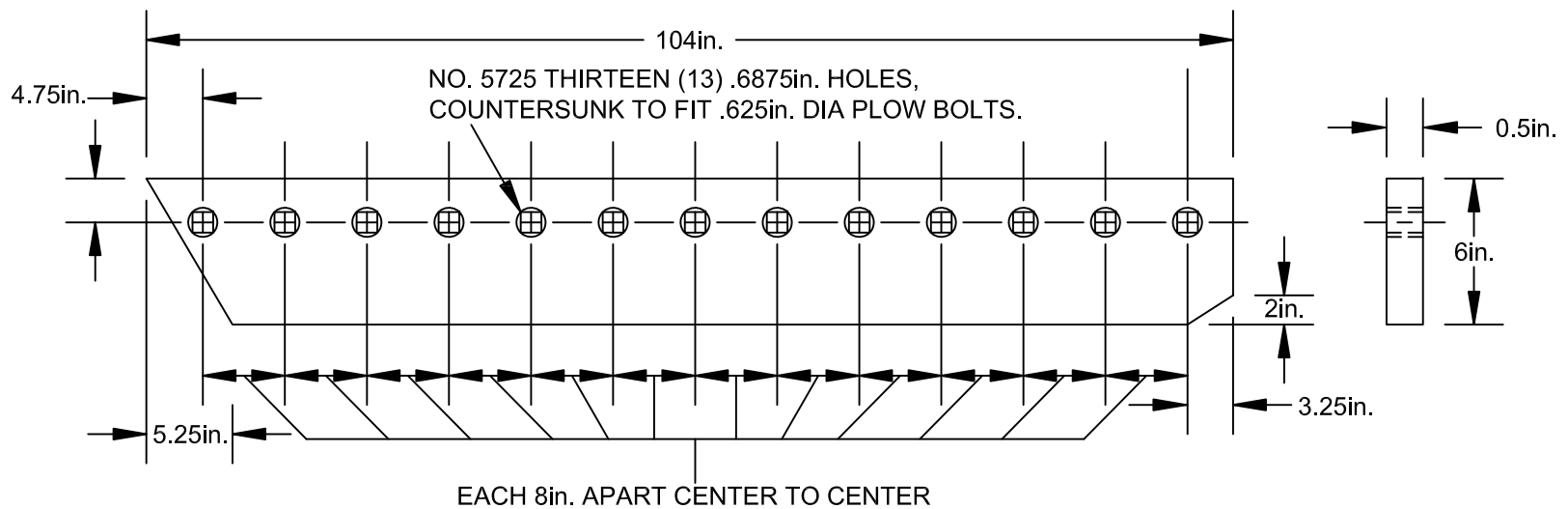
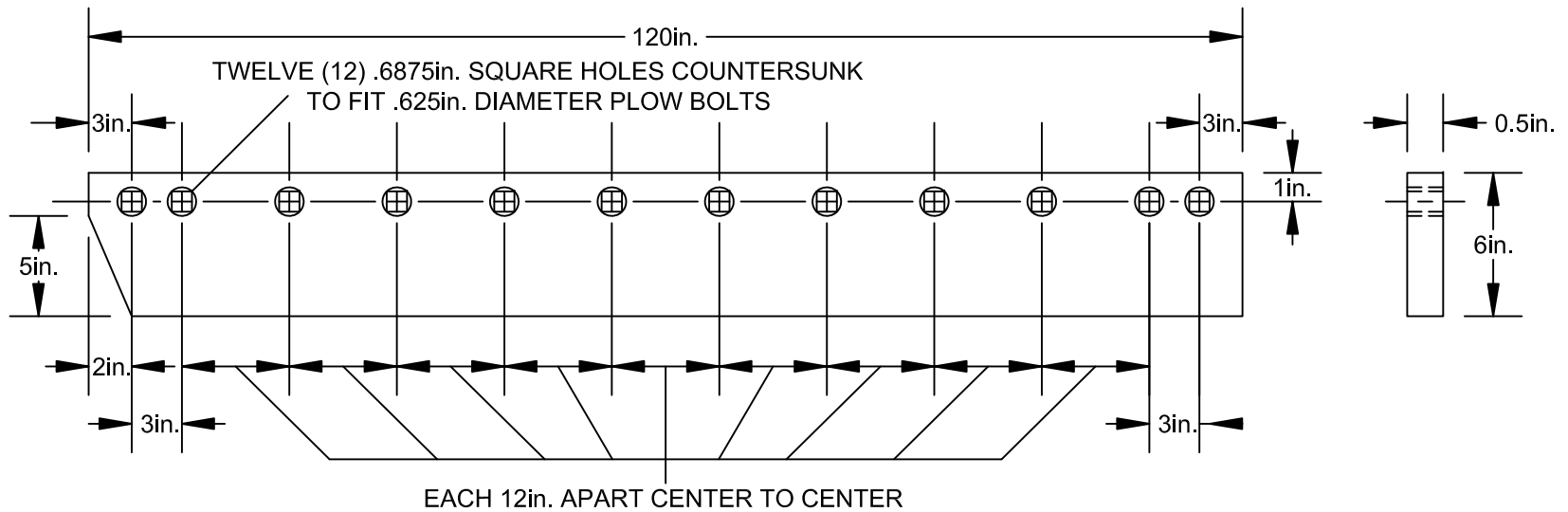
e. The Commonwealth will rely upon the written statement from the Contractor in denying a RTKL request for the Requested Information unless the Commonwealth determines that the Requested Information is clearly not protected from disclosure under the RTKL. Should the Commonwealth determine that the Requested Information is clearly not exempt from disclosure, the Contractor shall provide the Requested Information within five (5) business days of receipt of written notification of the Commonwealth's determination.

f. If the Contractor fails to provide the Requested Information within the time period required by these provisions, the Contractor shall indemnify and hold the Commonwealth harmless for any damages, penalties, costs, detriment or harm that the Commonwealth may incur as a result of the Contractor's failure, including any statutory damages assessed against the Commonwealth.

g. The Commonwealth will reimburse the Contractor for any costs associated with complying with these provisions only to the extent allowed under the fee schedule established by the Office of Open Records or as otherwise provided by the RTKL if the fee schedule is inapplicable.

h. The Contractor may file a legal challenge to any Commonwealth decision to release a record to the public with the Office of Open Records, or in the Pennsylvania Courts, however, the Contractor shall indemnify the Commonwealth for any legal expenses incurred by the Commonwealth as a result of such a challenge and shall hold the Commonwealth harmless for any damages, penalties, costs, detriment or harm that the Commonwealth may incur as a result of the Contractor's failure, including any statutory damages assessed against the Commonwealth, regardless of the outcome of such legal challenge. As between the parties, the Contractor agrees to waive all rights or remedies that may be available to it as a result of the Commonwealth's disclosure of Requested Information pursuant to the RTKL.

i. The Contractor's duties relating to the RTKL are continuing duties that survive the expiration of this Contract and shall continue as long as the Contractor has Requested Information in its possession.



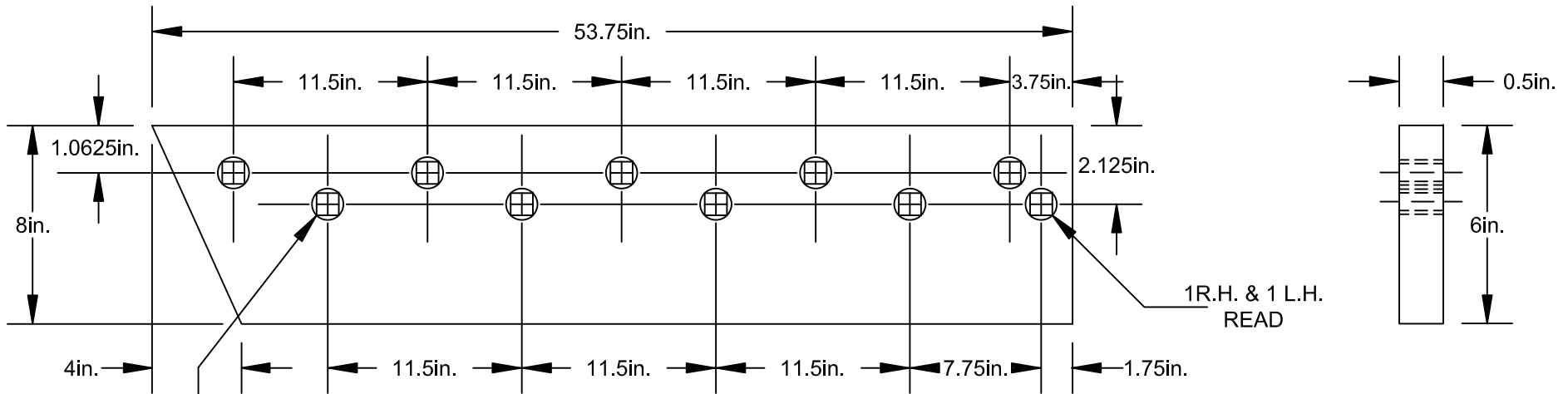
NOTES:

1. ALL DIMENSIONS ARE IN INCHES.
2. MATERIAL: CARBON STEEL AISI 1080-1085 BRINELL HARDNESS 250-325*.

EACH BLADE SECTION SHALL BE PUNCHED WITH A DATE OF MANUFACTURE AND THE MANUFACTURER'S NAME.

*STEEL SPECIFICATION.

PA DEPARTMENT OF TRANSPORTATION					
REVISIONS			STEEL CUTTING EDGES FOR SNOW PLOWS		
NO.	DATE	BY	DRAWN BY	SCALE	
1	03-30-07	CJW			
2	06-14-07	KNH	DLW	N/A	EQN-16A
3	07-29-15	JJJ	DATE 02-06-96	CHK'D BY WHM	SHEET 1 OF 2



TEN (10) .6875in.
 SQUARE HOLES,
 COUNTERSUNK TO
 FIT .625in. DIA.
 PLOW BOLTS.

NOTES:

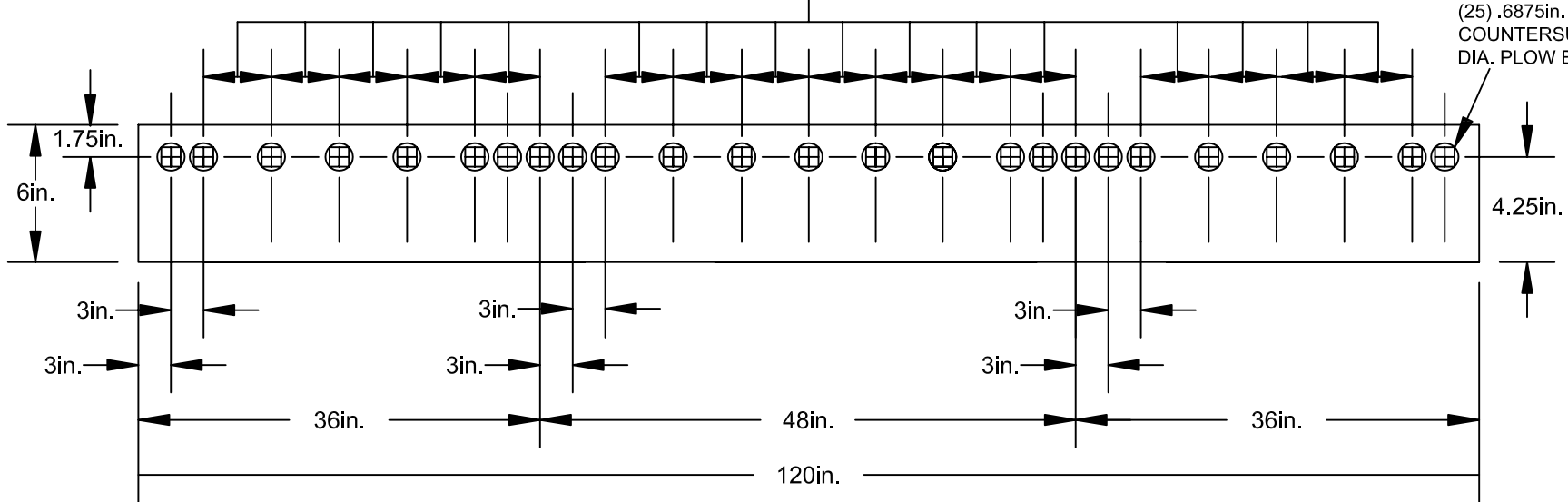
1. ALL DIMENSIONS ARE IN INCHES.
2. MATERIAL: CARBON STEEL AISI 1080-1085
 BRINELL HARDNESS 250-325*.

EACH BLADE SECTION SHALL BE PUNCHED WITH A DATE OF
 MANUFACTURE AND THE MANUFACTURER'S NAME.

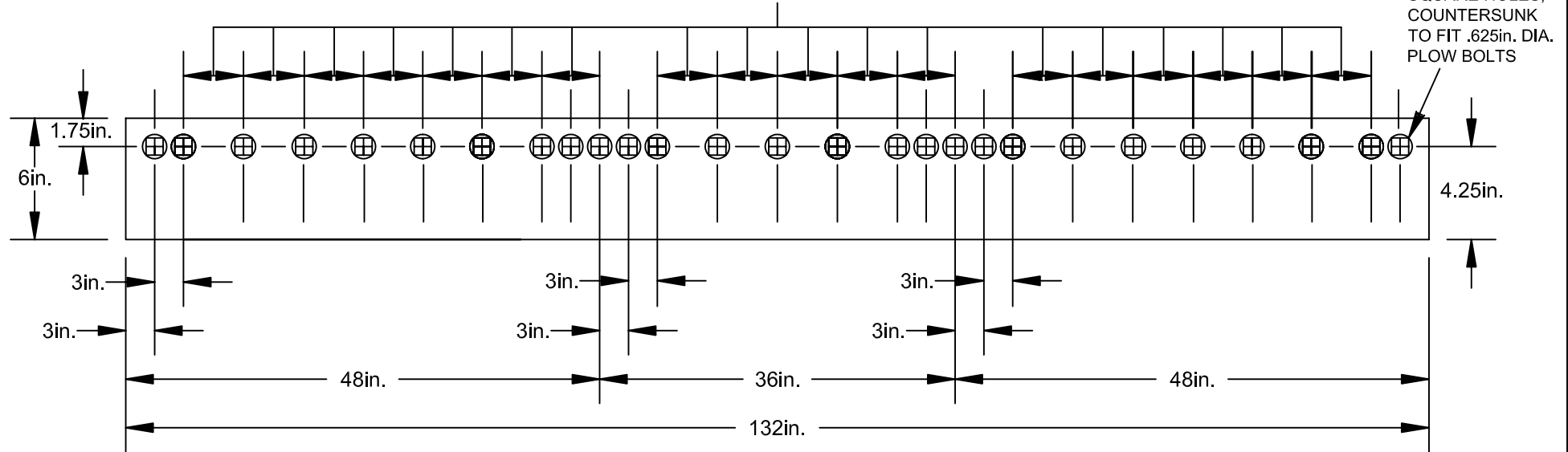
*STEEL SPECIFICATION.

PA DEPARTMENT OF TRANSPORTATION					
REVISIONS			STEEL CUTTING EDGES FOR SNOW PLOWS		
NO.	DATE	BY	DRAWN BY	SCALE	
1	03-30-07	CJW			
2	06-14-07	KNH	DLW	N/A	EQN-16A
3	07-29-15	JJB	DATE 05-13-98	CHK'D BY WHM	SHEET 2 OF 2

EACH 6in. APART, CENTER TO CENTER



EACH 6in. APART, CENTER TO CENTER



NOTES:

1. ALL DIMENSIONS ARE IN INCHES.
2. MATERIAL: CARBON STEEL AISI 1080-1085 BRINELL HARDNESS 250-325*
3. TO BE COMPATIBLE WITH PA SNOW PLOWS.
4. ORDER TO BE COMPLETED ONLY AFTER ACCEPTANCE OF PILOT MODEL.
5. THICKNESS .625in.

*STEEL SPECIFICATION

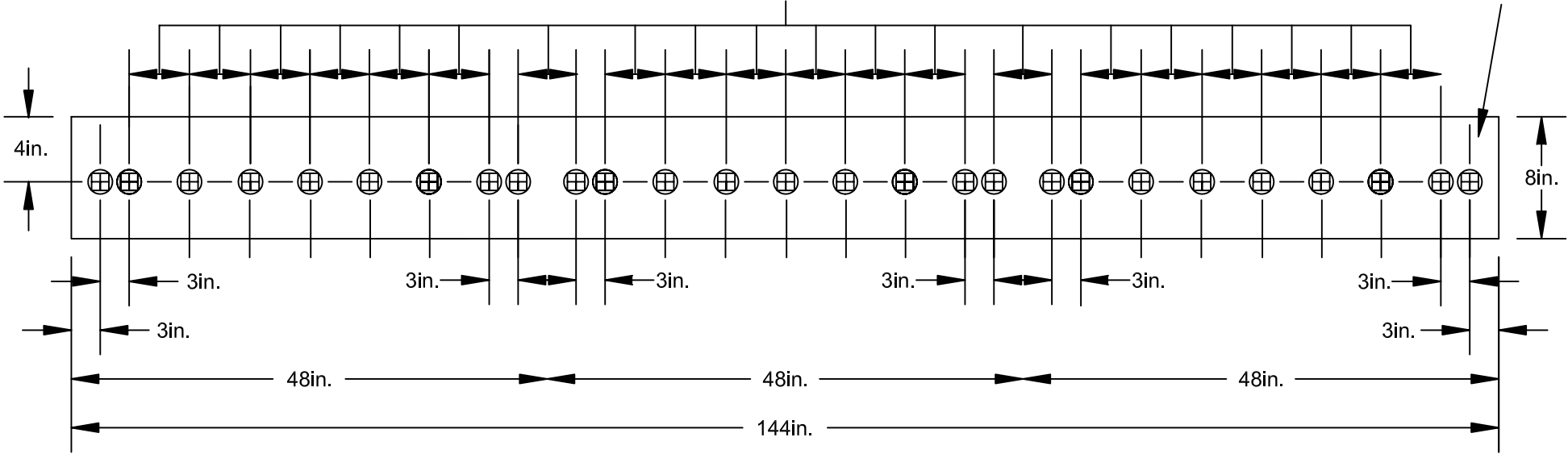
BLADE SELECTION SHALL BE PUNCHED WITH THE DATE OF MANUFACTURE AND NAME OF THE MANUFACTURER.

PA DEPARTMENT OF TRANSPORTATION

REVISIONS			STEEL COVER BLADES FOR CARBIDE CUTTING EDGES		
NO.	DATE	BY	DRAWN BY	SCALE	
1	03-30-07	CJW			
2	06-14-07	KNH	DLW	N/A	EQN-16D
3			DATE 02-09-96	CHK'D BY WHM	SHEET 1 OF 1

EACH 6in. APART, CENTER TO CENTER

(27) .6875in.
SQUARE HOLES,
COUNTERSUNK
HOLES TO FIT
.625in. DIA.
PLOW BOLTS



EACH BLADE SELECTION SHALL BE
PUNCHED WITH DATE OF MANUFACTURE,
AND MANUFACTURER'S NAME

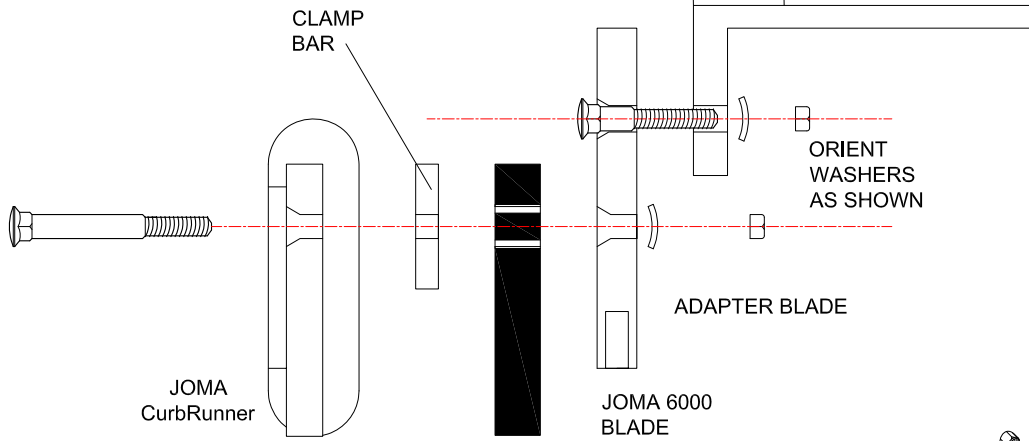
NOTES:

- 1. ALL DIMENSIONS ARE IN INCHES.
- 2. MATERIAL: CARBON STEEL AISI 1080-1085
BRINELL HARDNESS 250-325*
- 3. TO BE COMPATIBLE WITH PA SNOW PLOWS.
- 4. ORDER TO BE COMPLETED ONLY AFTER
ACCEPTANCE OF PILOT MODEL.
- 5. THICKNESS .625in.

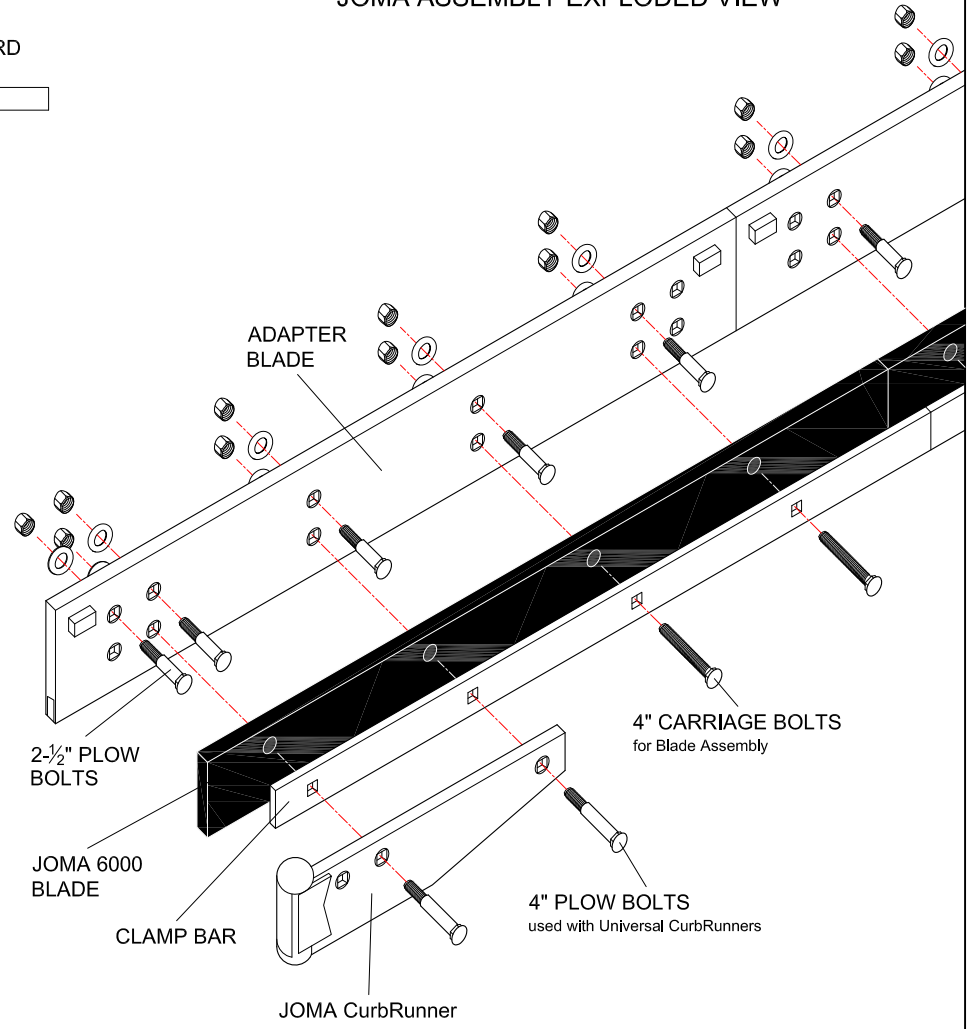
*STEEL SPECIFICATION

PA DEPARTMENT OF TRANSPORTATION			
REVISIONS			STEEL COVER BLADES FOR CARBIDE CUTTING EDGES
NO.	DATE	BY	
1	03-30-07	CJW	
2	06-14-07	KNH	
3			
DRAWN BY		DLW	SCALE N/A
DATE		05-26-98	CHK'D BY WHM
			EQN-16F
			SHEET 1 OF 1

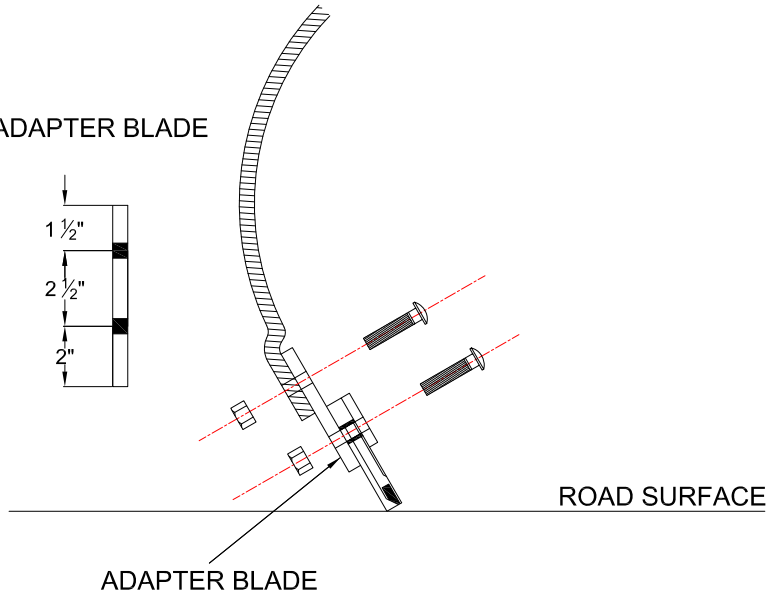
JOMA ASSEMBLY SIDE VIEW



JOMA ASSEMBLY EXPLODED VIEW

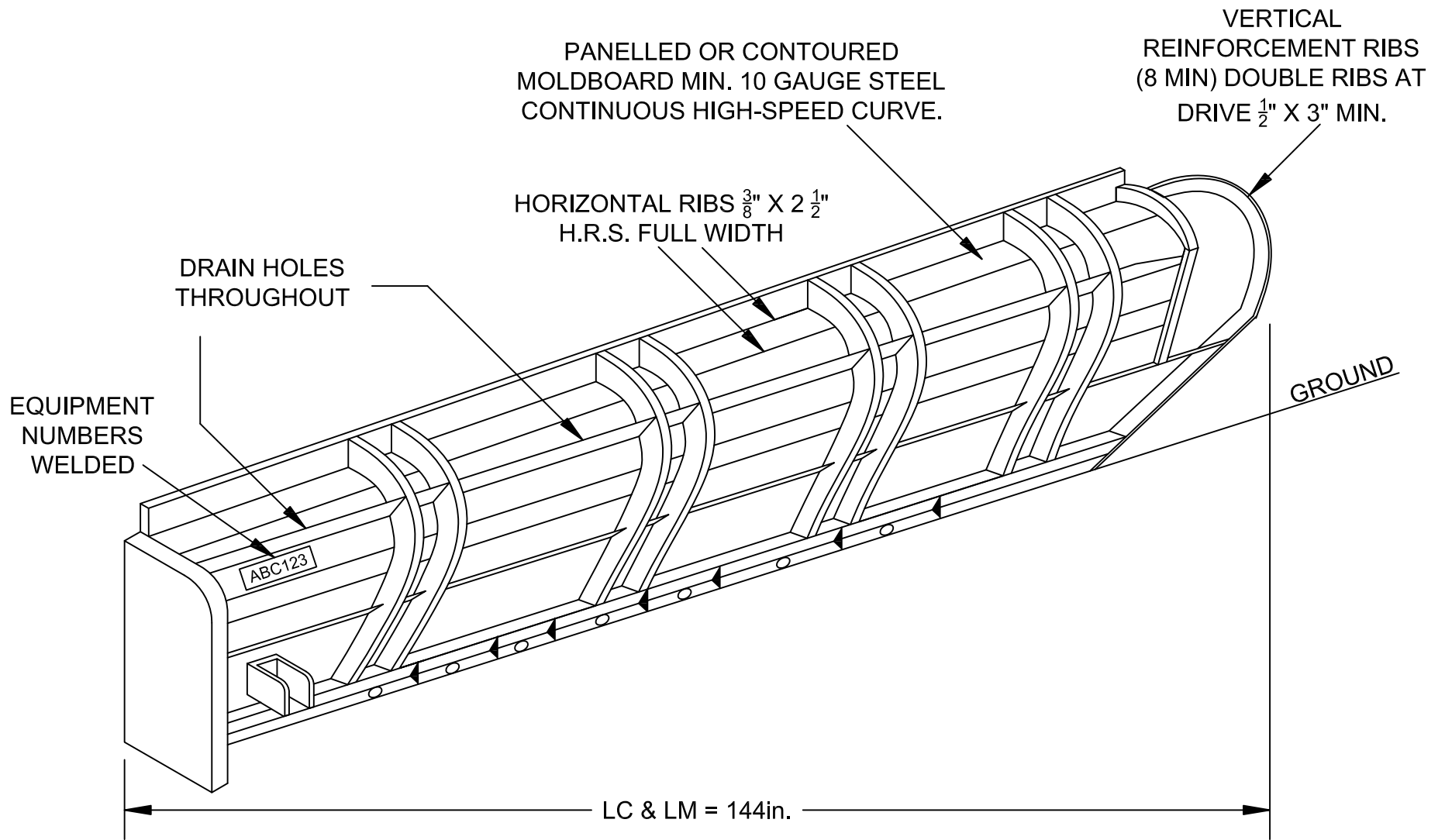


ADAPTER BLADE



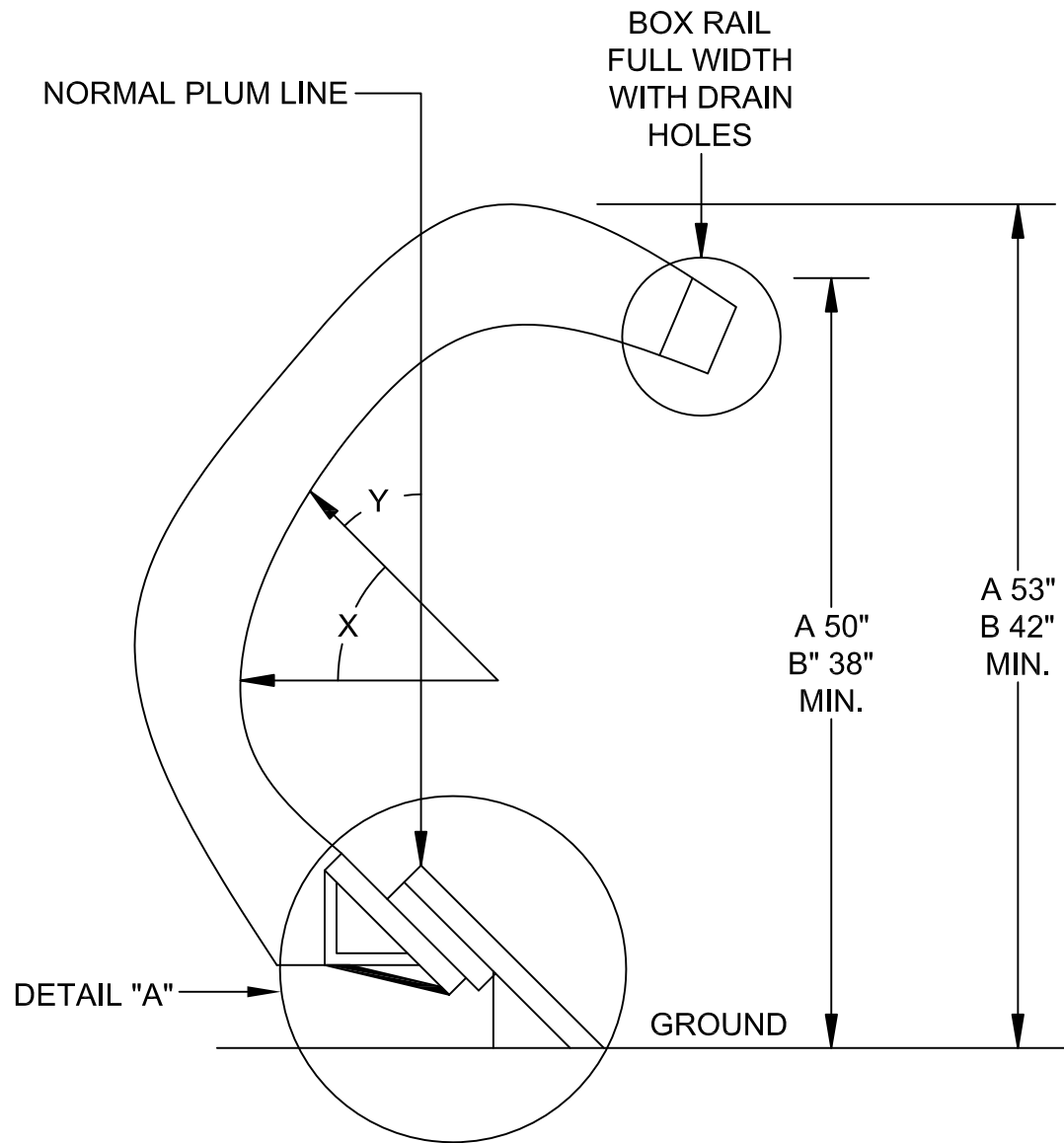
PA DEPARTMENT OF TRANSPORTATION

REVISIONS			JOMA 6000 CUTTING BLADE		
NO.	DATE	BY			
1	00-00-00	INT			
2			DRAWN BY	JFM	SCALE N/A
3			DATE	06-24-13	CHK'D BY INT
					EQN-16G
			SHEET 1 OF 1		



PA DEPARTMENT OF TRANSPORTATION

REVISIONS			REVERSIBLE PLOW (50" X 144" & 42" X 132")		
NO.	DATE	BY	DRAWN BY	SCALE	EQN-34
1	04-05-96	SWW	SWW	N/A	
2	03-01-99	SWW			
3	09-18-07	KNH	DATE 04-05-96	CHK'D BY RED	SHEET 1 OF 10

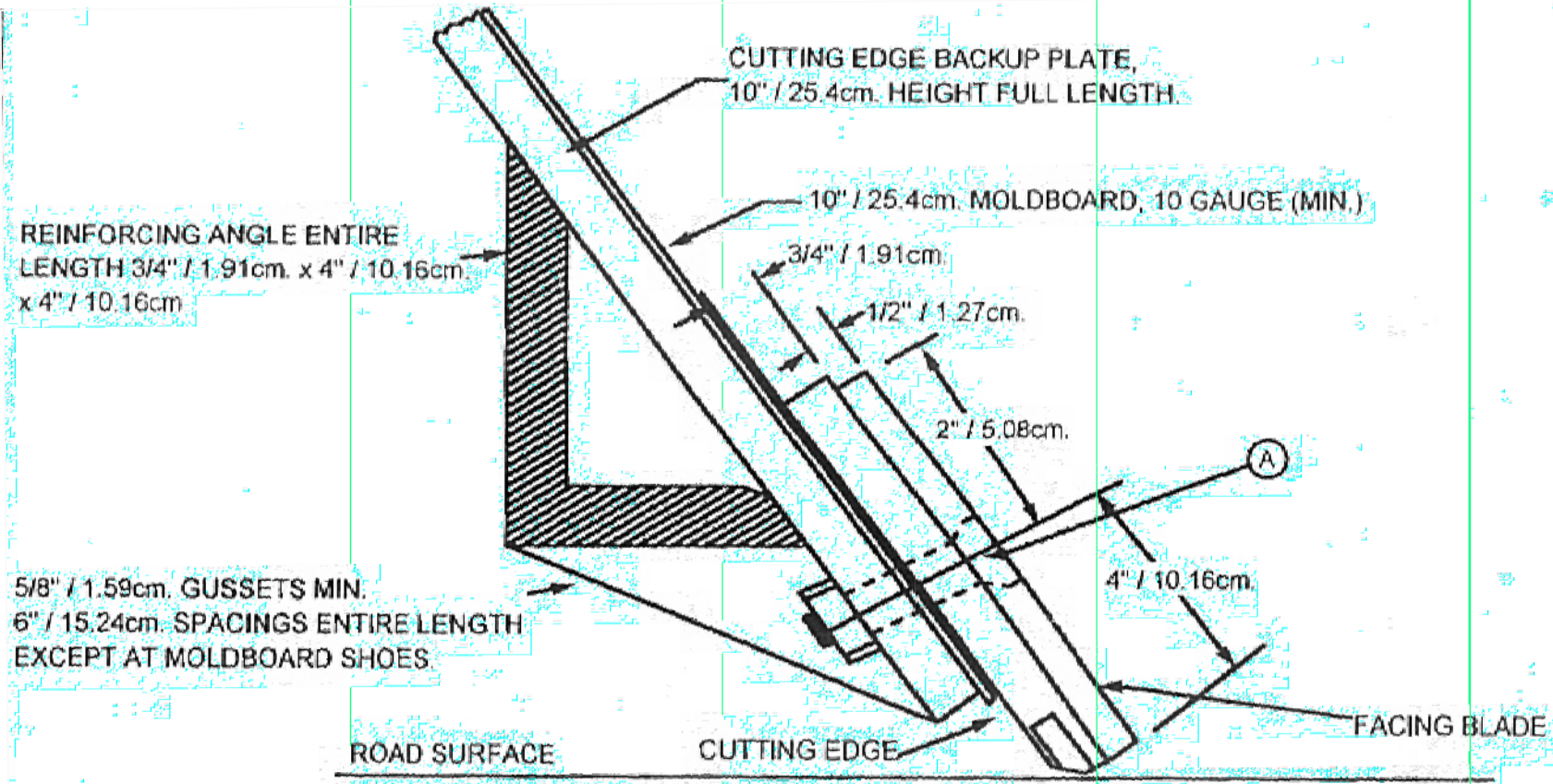


NOTES:

- ANGLE Y = 15 MIN.
- ANGLE X = AS SPECIFIED BY MANUFACTURER
- RADIUS R = AS SPECIFIED BY MANUFACTURER
- LC = LENGTH OF CUTTING EDGE
- LM = LENGTH OF MOLDBOARD OVERALL, LESS NOSE SHOE
- A = 50" X 144"
- B = 42" X 132"

PA DEPARTMENT OF TRANSPORTATION

REVISIONS			REVERSIBLE PLOW (50" X 144" & 42" X 132")		
NO.	DATE	BY	DRAWN BY	SCALE	
1	04-05-96	SWW			
2	03-01-99	SWW	SWW	N/A	EQN-34
3	09-18-07	KNH	DATE 04-05-96	CHK'D BY RED	SHEET 2 OF 10

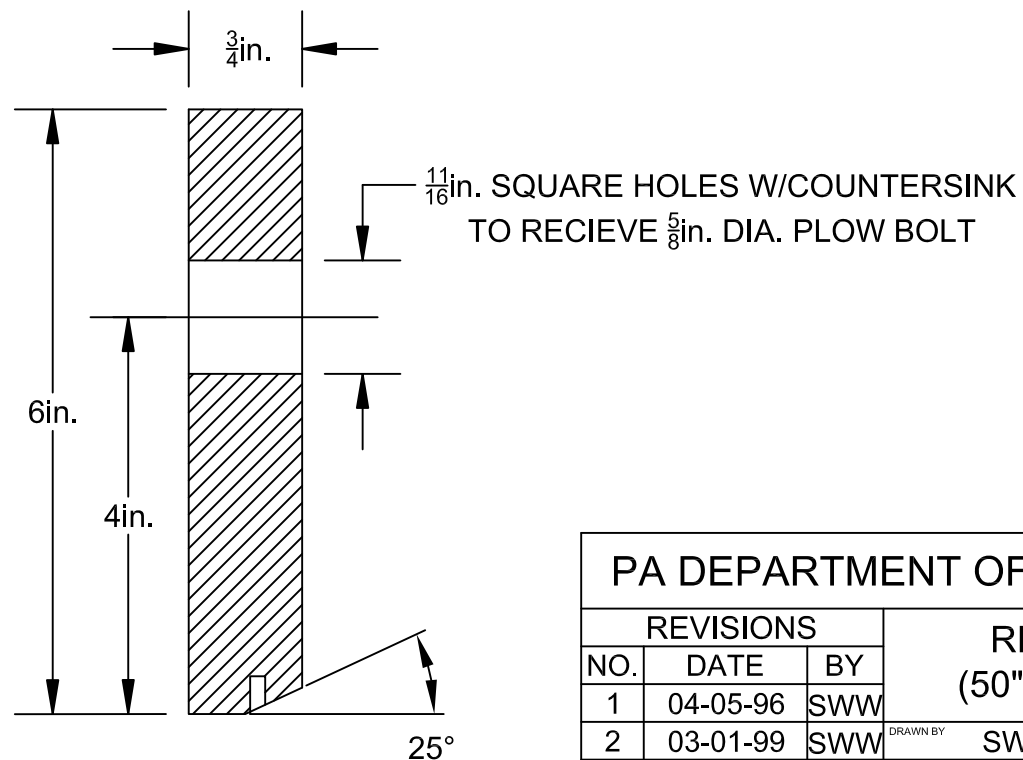
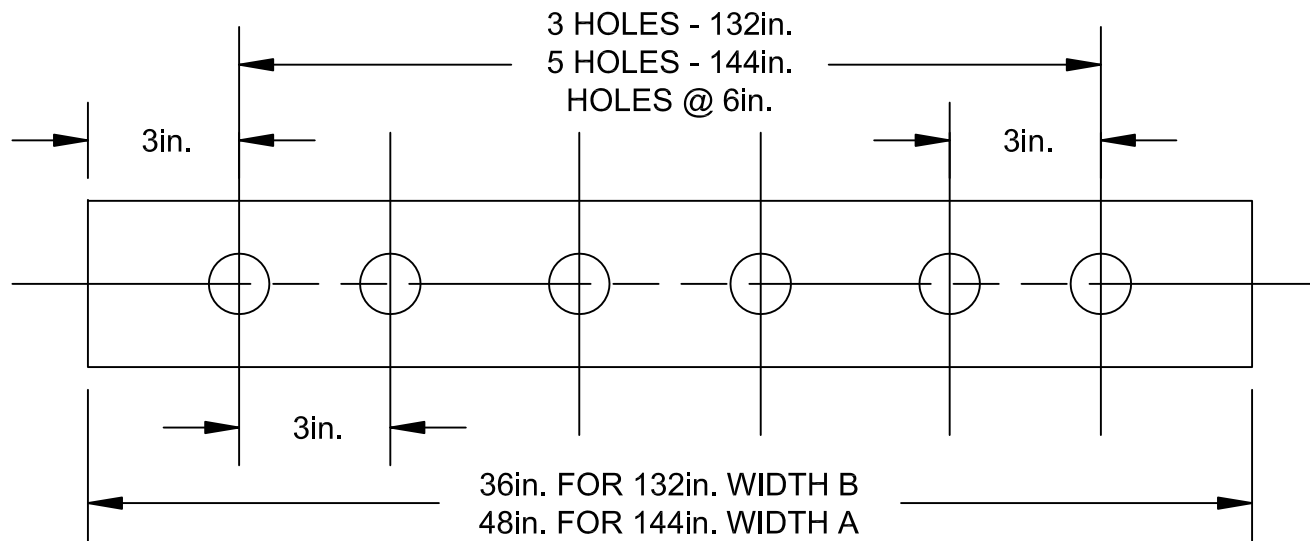


REINFORCING ANGLE ENTIRE LENGTH 3/4" / 1.91cm. x 4" / 10.16cm. x 4" / 10.16cm

5/8" / 1.59cm. GUSSETS MIN. 6" / 15.24cm. SPACINGS ENTIRE LENGTH EXCEPT AT MOLDBOARD SHOES.

(A) FLAT COUNTERSUNK GRADE 8 MINIMUM PLOW BOLT WITH SELF LOCKING ELASTIC GRADE 8 CENTER NUT. DIA. 5/8" / 1.59cm. BY APPROPRIATE LENGTH TO INSURE FULL USE OF THE NUT PLUS 1/4" / .64cm. OVERTHREAD BOLT HOLES SHALL BE SPACED TO CONTINUE WITH AASHO PUNCHINGS OF THE CUTTING EDGE. SPECIAL NOTE: BOTH BLADES MUST BE 6" / 15.24cm. BLADES.

PA DEPARTMENT OF TRANSPORTATION					
REVISIONS			REVERSIBLE PLOW (50" X 144" & 42" X 132")		
NO.	DATE	BY	DRAWN BY	SCALE	
1	04-05-96	SWW	SWW	N/A	EQN-34
2	03-01-99	DJA			
3			DATE 04-05-96	CHK'D BY RED	SHEET 3 OF 10



PA DEPARTMENT OF TRANSPORTATION

REVISIONS			REVERSIBLE PLOW (50" X 144" & 42" X 132")		
NO.	DATE	BY	DRAWN BY	SCALE	
1	04-05-96	SWW			
2	03-01-99	SWW	SWW	N/A	EQN-34
3	09-18-07	KNH	DATE 04-05-96	CHK'D BY RED	SHEET 4 OF 10

NOTE:

THE SUCCESSFUL VENDOR MUST PROVIDE WRITTEN CERTIFICATION THAT THE BLADES MEET OR EXCEED THIS CRITERIA.

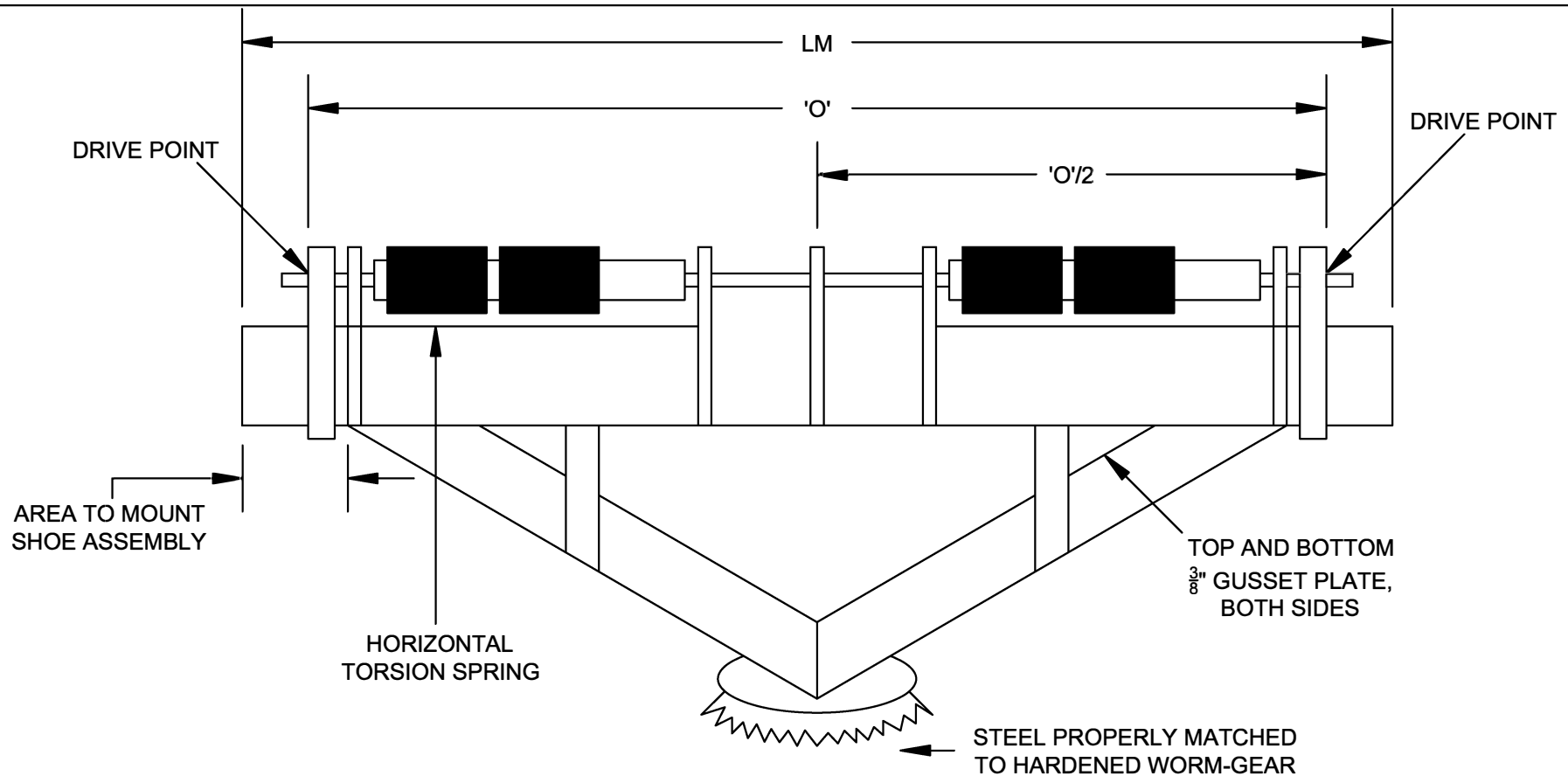
BLADE ASSEMBLY FOR ((B) 132" & (A) 144"

- CUTTING EDGE BOLT HOLES SPACED TO COINCIDE WITH STANDARD BOLT HOLE (AASHO) PUNCHING.
- LOCATION AND SPACING OF HOLES SHALL BE AS INDICATED (TOLERANCE OFF CENTER OFF CENTER LINE SHALL BE +/- $\frac{1}{32}$ ").
- CUTTING EDGE SHALL BE FLAT HOT-ROLLED FINISHED STEEL SAE 1020-1040.
- TUNGSTEN BRAZING MATERIAL SHEAR STRENGTH SHALL BE 30,000psi MIN, ALL SIDES BRAZED.
- SPACE BETWEEN TUNGSTEN INSERTS SHALL BE $\frac{1}{100}$ ".
- CUTTING EDGE WARPAGE AND LONGITUDINAL DEVIATION SHALL NOT EXCEED $\frac{1}{8}$ " PER 4" LENGTH.

CARBIDE CUTTING EDGE INSERTS

SHAPE TRAPEZOIDAL.	DIMENSIONS AS LISTED	CHEMICAL AND PHYSICAL PROPERTIES AS LISTED	
HEIGHT	$\frac{3}{5}$ " +/- $\frac{1}{200}$ "	COBALT (%)	12.5-13
THICKNESS	$\frac{1}{5}$ " +/- $\frac{1}{100}$ "	SPECIFIC GRAVITY	14.1-14.6
LENGTH	1" NORMAL	ROCKWELL 'A'	
		HARDNESS	87.5-89
		TRANSVERSE	
		RUPTURED STRENGTH	350,000psi
HEIGHT	.635" +/- $\frac{1}{200}$ "	COBALT (%)	12.5-13.0
THICKNESS	.365" +/- $\frac{1}{100}$ "	SPECIFIC GRAVITY	14.1-14.6
LENGTH	1" NORMAL	ROCKWELL 'A'	
		HARDNESS	87.5-89
		TRANSVERSE	
		RUPTURED STRENGTH	350,000psi

PA DEPARTMENT OF TRANSPORTATION					
REVISIONS			REVERSIBLE PLOW (50" X 144" & 42" X 132")		
NO.	DATE	BY			
1	04-05-96	SWW			
2	03-02-99	DJA	<small>DRAWN BY</small> SWW	<small>SCALE</small> N/A	EQN-34
3	09-18-07	KNH	<small>DATE</small> 04-05-96	<small>CHK'D BY</small> RED	SHEET 5 OF 10

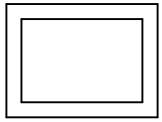


NOTE:

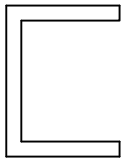
1. DRIVE FRAME SHALL BE ATTACHED TO MOLDBOARD BY MEANS OF A -325 STRUCTURAL BOLTS WITH WASHERS AND NUTS TORQUED TO 200lbs. OR TAPERED DRIVE PINS WITH COTTER PINS.
2. DRIVE FRAME CONNECTNG HINGES SHALL BE CAST OR FABRICATED.
3. DRIVE FRAME CONNECTION HINGES SHALL BE DESIGNED SO THAT NO SHEARING OF CONNECTION PINS IS POSSIBLE.
4. DRIVE FRAME SHALL BE REINFORCED WITH A MINIMUM OF 2" X 2" X 1/4" @ 5.73#/ft. SQUARE TUBE OR RECTANGULAR REINFORCING TUBES WITH PLATES AT THE CORNER STRESS POINTS, OR APPROVED EQUAL.
5. TRIP SPRING MECHANISM SHALL BE HORIZONTAL TORSION TYPE. SPRING SHALL BE PROPERLY MOUNTED TO DRIVE FRAME.
6. REVERSING MECHANISM SHALL BE WORM-GEAR TYPE INFINITLY VARIABLE, MACHINE TYPE, OR FABRICATED.
7. WORM-GEAR ASSEMBLY SHALL BE ADJUSTABLE TO PROPERLY MATCH THE TURNING MECHANISM AND TO ALLOW FOR CORRECT TOOTH CLEARANCE AND FULL POWER SWING.
8. BOLT ON STEEL RACK WITH A MIN. OF 6 3/4" BOLTS.

PA DEPARTMENT OF TRANSPORTATION

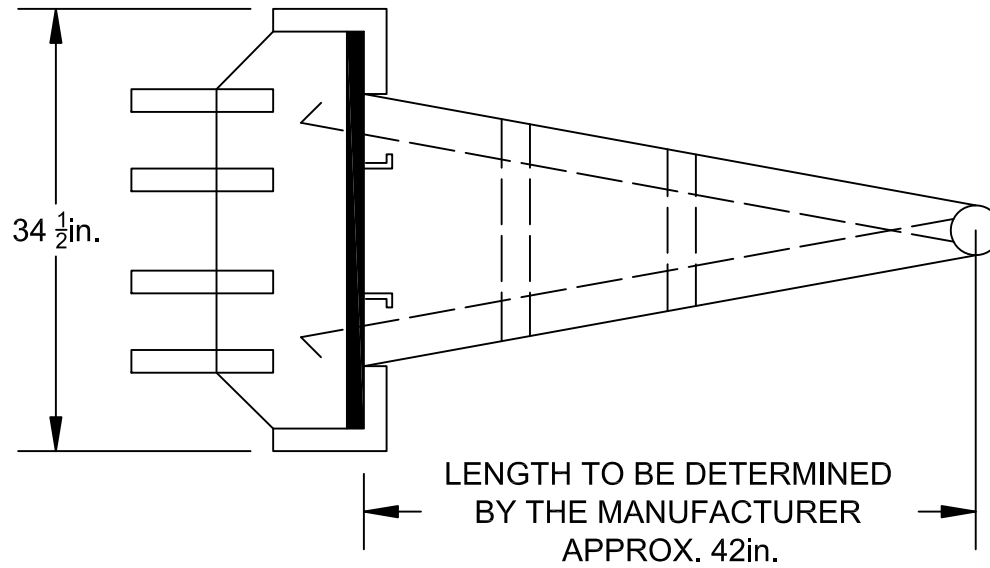
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NO.	DATE	BY	DRAWN BY	SCALE	
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2	03-02-99	DJA	SWW	N/A	EQN-34
3	09-18-07	KNH	DATE 04-05-96	CHK'D BY RED	SHEET 6 OF 10



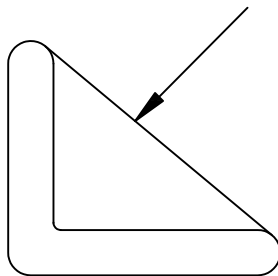
MIN. 5in. X 3in. X
 $\frac{3}{8}$ in. @ 16.84#/ft.



MIN. 6in. X $2\frac{1}{2}$ in. X
 $\frac{7}{16}$ in. @ 12#/ft. SHIP
 AND CAR CHANNEL

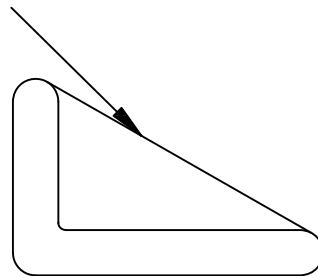


$\frac{1}{2}$ in. GUSSETS @ 8in. SPACINGS
 SHALL CLEAR TORSION
 SPRINGS



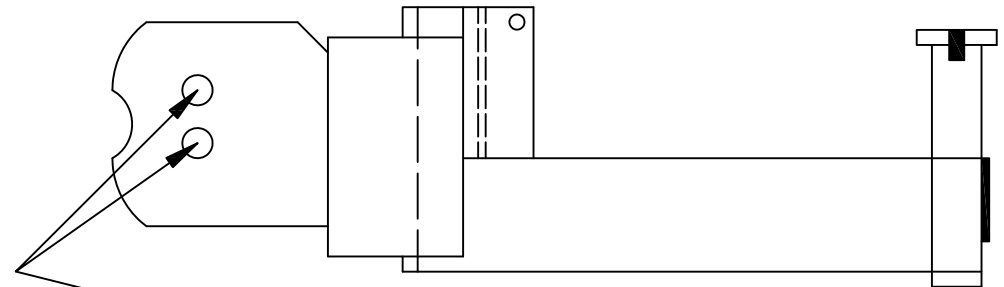
6in. X 6in. X $\frac{1}{2}$ in.

OR

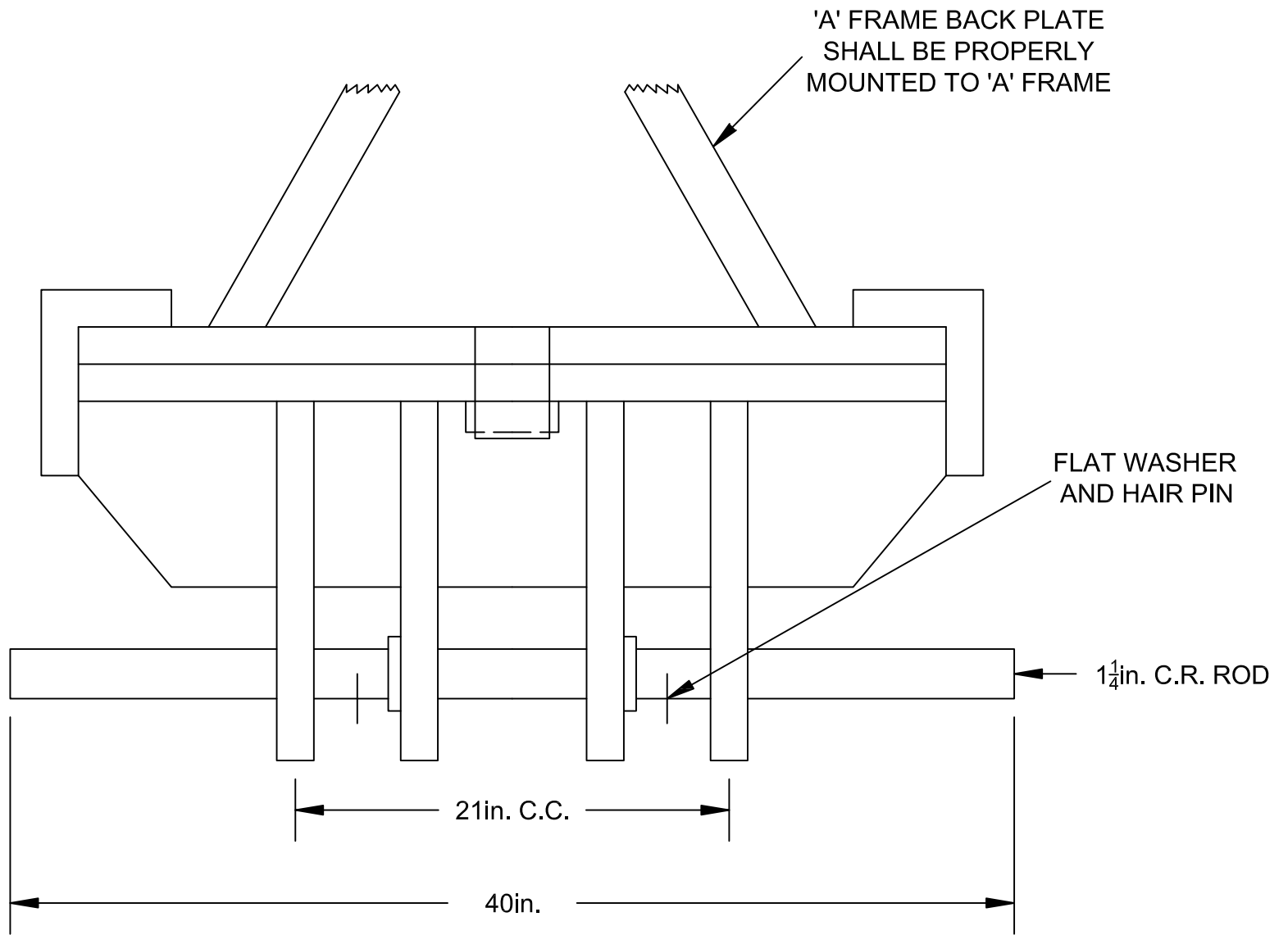


6in. X 4in. X $\frac{1}{2}$ in.

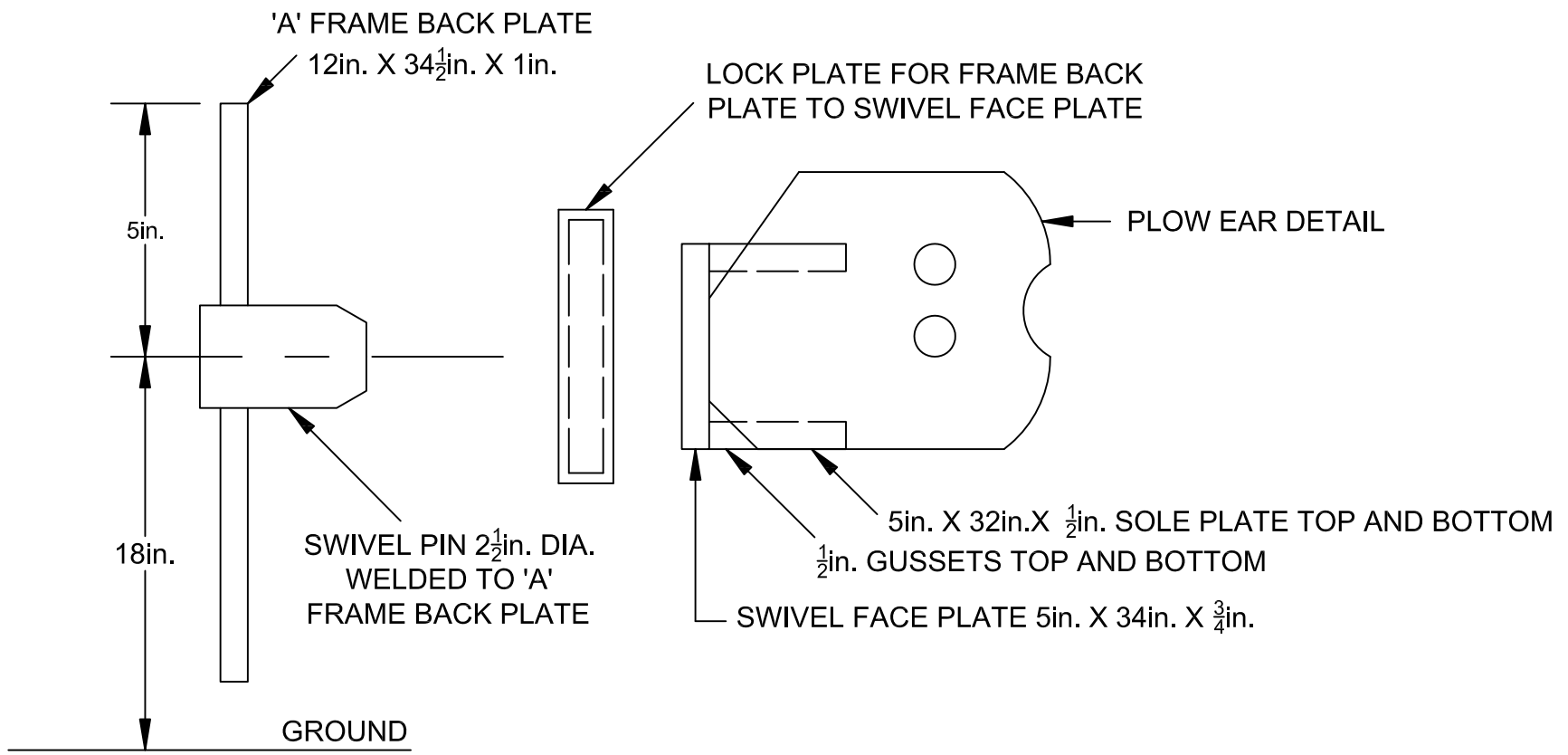
DRIVE TRAIN DETAIL



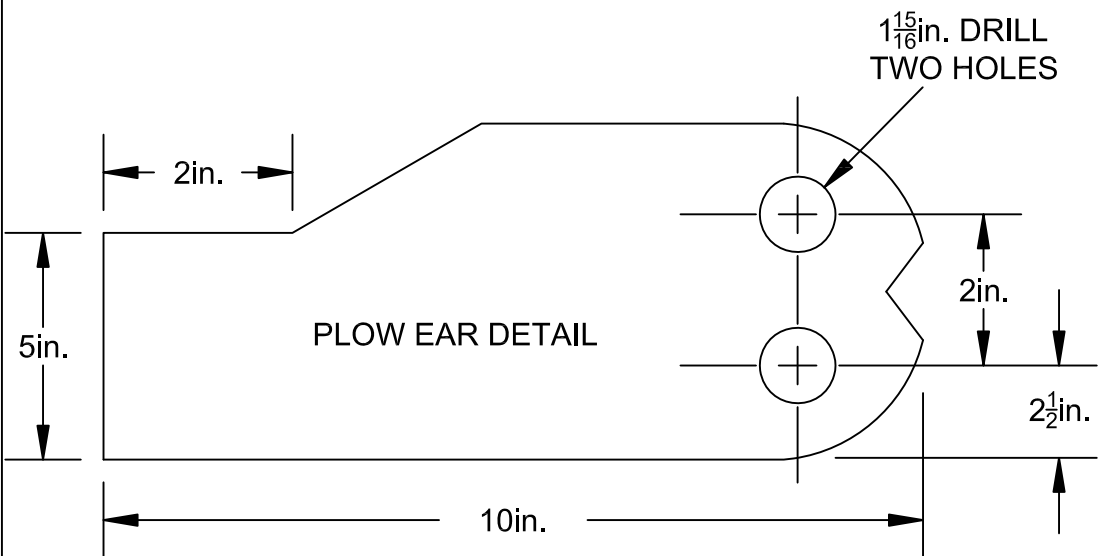
PA DEPARTMENT OF TRANSPORTATION						
REVISIONS			REVERSIBLE PLOW (50" X 144" & 42" X 132")			
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2	03-01-99	SWW	SWW	N/A	EQN-34	
3	09-18-07	KNH	DATE 04-05-96	CHK'D BY RED	SHEET 7 OF 10	



PA DEPARTMENT OF TRANSPORTATION							
REVISIONS				REVERSIBLE PLOW (50" X 144" & 42" X 132")			
NO.	DATE	BY					
1	04-05-96	SWW					
2	03-01-99	SWW	DRAWN BY	SWW	SCALE	N/A	EQN-34
3	09-18-07	KNH	DATE	04-05-96	CHK'D BY	RED	SHEET 8 OF 10



NOTE:
ANY DEVIATIONS TO THESE
DIMENSIONS SHALL BE DISCUSSED
AT THE PRE-BUILD MEETING.



NOTE: 1in. PLATE STEEL

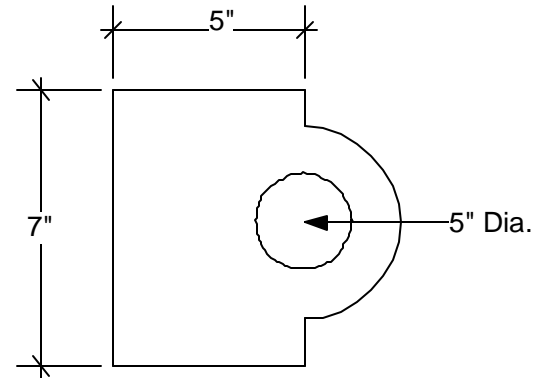
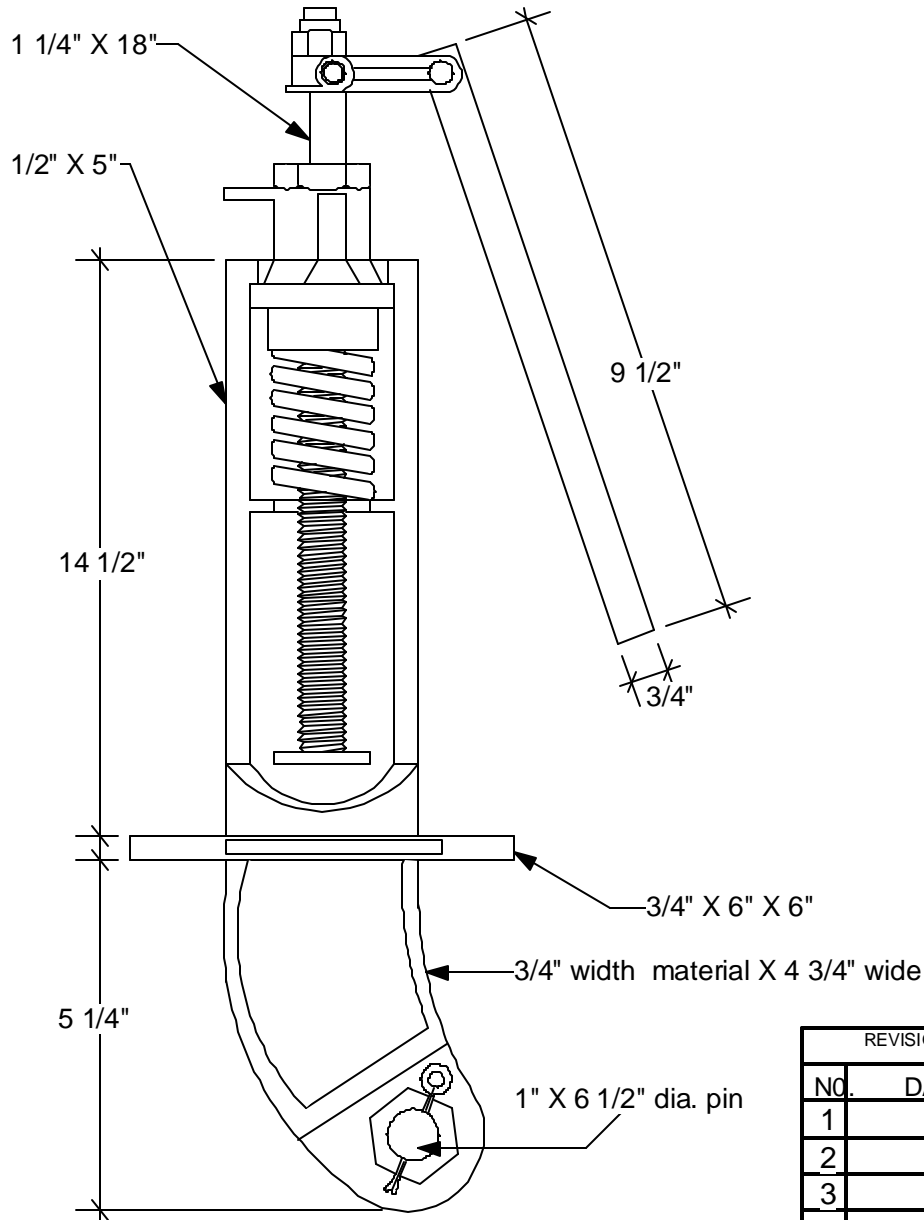
PA DEPARTMENT OF TRANSPORTATION					
REVISIONS			REVERSIBLE PLOW (50" X 144" & 42" X 132")		
NO.	DATE	BY	DRAWN BY	SCALE	
1	04-05-96	SWW	SWW	N/A	EQN-34
2	03-01-99	SWW	DATE	CHK'D BY	
3	09-18-07	KNH	04-05-96	RED	SHEET 9 OF 10

NOTE:

1. THE PLOW FABRICATION AND ASSEMBLY SHALL CONFORM TO THE LATEST ENGINEERING TECHNIQUES AND SHALL MEET THE SPECIFICATION REQUIRMENTS OF THE FOLLOWING
 AMERICAN STANDARD LIMITS AND FITS
 BRITISH STANDARD FITS AND LIMITS
 AMERICAN SOCIETY FO TESTING MATERIALS
 SOCIETY OF AUTOMOTIVE ENGINEERING
 AMERICAN INSTITUE OF STEEL CONSTRUCTION
 STEEL STRUCTURE PAINTING COUNCIL
 AMERICAN WELDING SOCIETY D2-0-69 SUB SETION 303 (FIT AND ASSEMBLY)
 AMERICAN WELDING SOCIETY D2-0-69 SECTION 3 (WELDING WORKMANSHIP AND QUALITY)
2. ALL WELDING SHALL BE ACCOMPLISHED BY ONE OR A COMBINATION OF THE FOLLOWING PROCESSES: GAS METAL ARC, FLUX CORED ARC AND / OR SUBMERGED ARC WELDING PROCEDURES.
3. BEFORE WELDING, ALL COMPONENTS MUST BE POSITIONED ON PRECISION ENGINEERED MECHANICAL POSITIONERS (JIG) IN ORDER TO ASSURE THE BEST POSSIBLE FIT.
4. ALL STEEL UNLESS OTHERWISE SPECIFIED SHALL BO HOT ROLLED STEEL (HRS) ASTM-A-36.
5. THE TWO (2) MOLDBOARD SHOES, SHALL BE PARALLEL TO ROAD SURFACE.
6. ACCESSORIES SUCH AS THE LIFT CHAIN, ($\frac{7}{16}$ " CADIUM PLATED), BRACKET FOR ATTACHING LIFTING DEVICES, 48" LONG HYDRAULIC HOSES, HYDRAULIC QUICK COUPLERS, 1 MALE, 1 FEMALE (AEROQUIP 5100 SERIES), TO ACCOMODATE THE DEPARTMENT TRUCKS. ALL RELATED ITMES NECESSARY TO EQUIP THESE PLOWS ON THE DEPARTMENT TRUCKS SHALL BE FURNISHED AND INSTALLED.
7. PLOWS HAVE HORIZONTAL TORSION TRIP ASSEMBLIES WHICH SHALL PERMIT THE MOLDBOARD TO TRIP, PASS OVER AND OBSTRUCTION AND INSTANTLY RETURN TO PLOWING POSITION.
8. THE TRIP SPRINGS SHALL BE ADJUSTABLE RELATIVE TO TRIPPING ACTION.
9. THE MANUFACTURER SHALL PROVIDE A METAL TEMPLATE OF THE MOLDBOARD RADIUS INCLUDING THE CUTTING EDGE CUT OUT. THE BASE SHALL BE PARALLEL TO THE DECK SURFACE.
10. THERE SHALL BE A MECHANICAL LIMIT DEVICE TO STOP THE MOLDBOARD FROM OVERTIPPING BEYOND THE NORMAL SPRING TRIPPING ACTION OR IN THE EVENT OF THE MAIN TORSION SPRING BREAKING. A CABLY SYSTEM IS RECOMMENED.
11. REPLACEABLE STEEL NOSE SHOE OR RUNNER OR $\frac{3}{4}$ " (HRS) STEEL VERITCALLY AND $\frac{3}{4}$ " HIGH CARBON STEEL HORIZONTALLY SHALL BE PROVIDED ON BOTH SIDES OF CUTTING EDGE FOR GUIDING PLOW OVER OBSTRUCTIONS. REF: (BUMPER GUARDS).

PA DEPARTMENT OF TRANSPORTATION							
REVISIONS			REVERSIBLE PLOW (50" X 144" & 42" X 132")				
NO.	DATE	BY					
1	04-05-96	SWW					
2	03-02-99	DJA	<small>DRAWN BY</small>	SWW	<small>SCALE</small>	N/A	EQN-35
3	09-18-07	KNH	<small>DATE</small>	04-05-96	<small>CHK'D BY</small>	RED	SHEET 10 OF 10

Quan 2 castors per plow

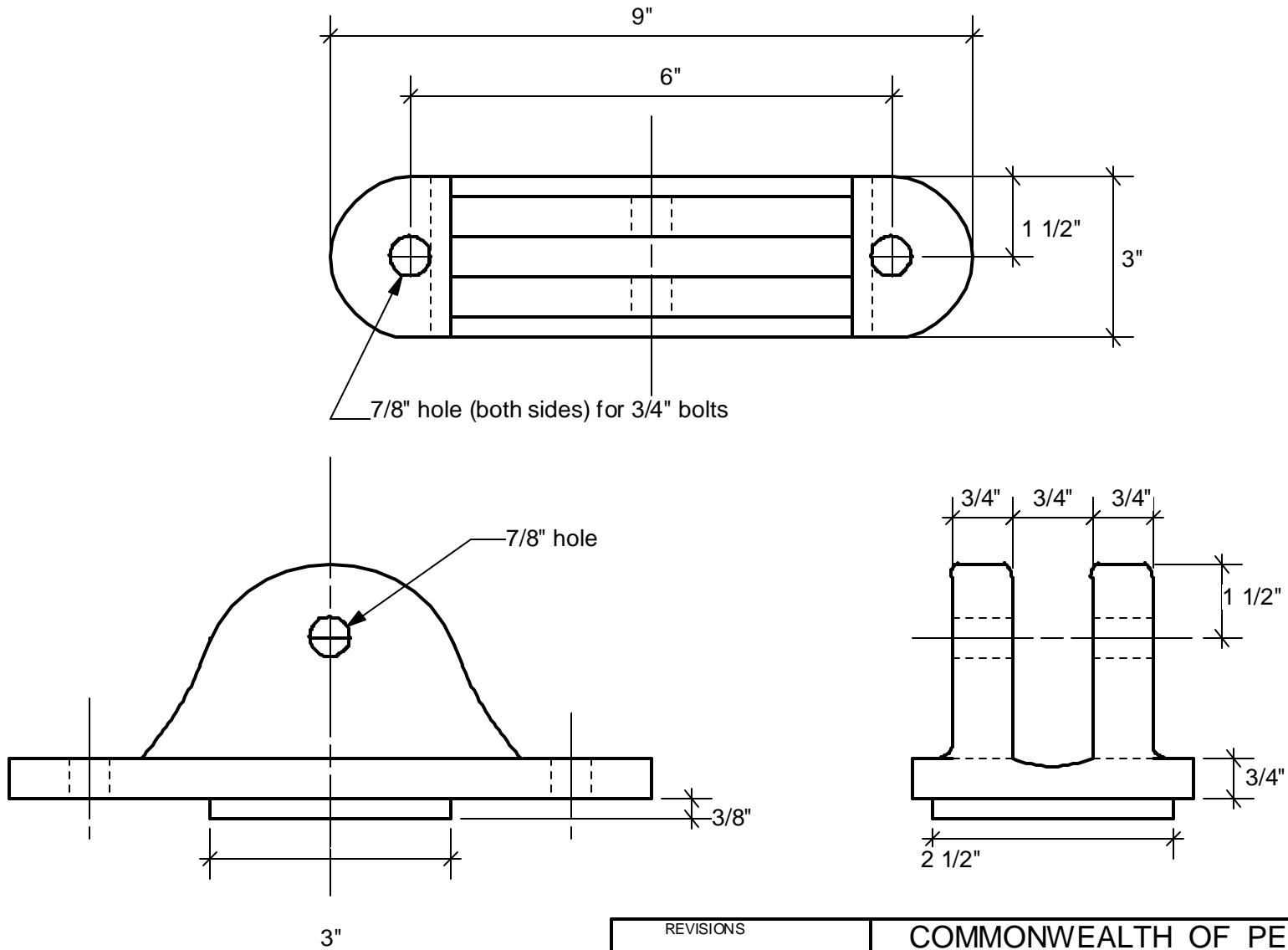


Mtdg bracket
 Quan 2 with back plate
 1/2" min back plate X 6" X 6" min.
 with 6 adjustments shall be bolted
 with 3/4" bolts Quan 4

Stem and housings shall be cast steel fitted with alemite grease fittings, fully lubricated, or fabricated

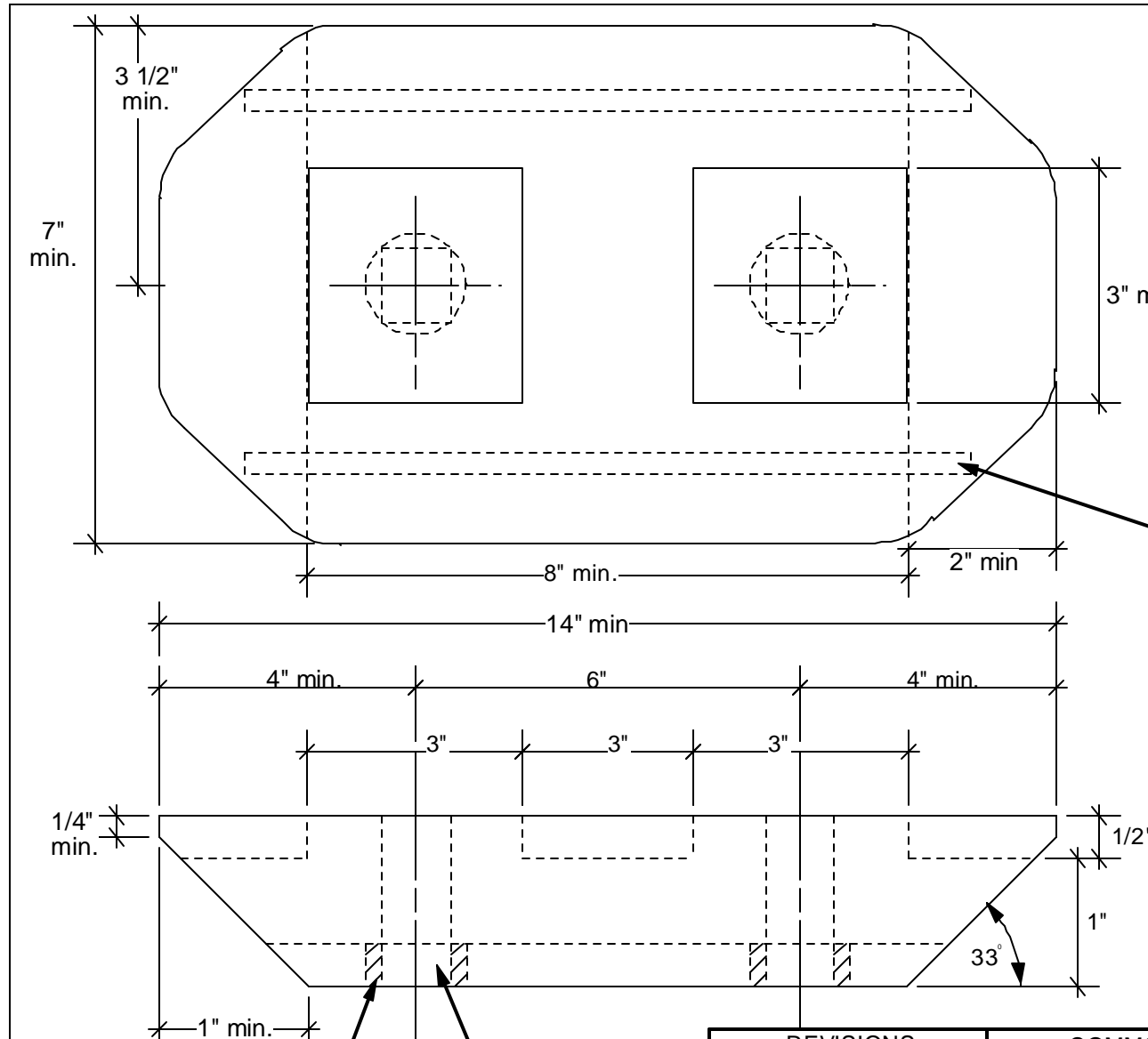
Castor shall also accomodate standard adaptor bracket and shoe as shown herein

REVISIONS			COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF TRANSPORTATION		
NO.	DATE	BY	REVERSIBLE PLOW 42"X11' CASTOR ASSEMBLY		
1					
2					
3			DRAWN BY	SCALE	MATERIAL
4			KNH	N/A	
5			CHKD	DATE	DRW NO
			KGK	06-23-15	EQN -34-A
			SHEET 1 OF 5		



Re: Kenemetal PBS-A25 casting

REVISIONS			COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF TRANSPORTATION		
NO.	DATE	BY	REVERSIBLE PLOW 42"X11' SHOE ADAPTOR BRACKET		
1			DRAWN BY KNH SCALE N/A MATERIAL CHKD KGK DATE 06-23-15 DRW NO EQN -34-A SHEET 2 OF 5		
2					
3					
4					
5					



Carbide Insert Specifications
 Width 0.500 ± 0.005
 Height 0.375 ± 0.010
 Length 1" nominal
 Cobalt 12.5 to 13%
 Sp. Gravity 14.1 to 14.4
 Hardness, Rockwell 'A' 87 to 88.5
 Transverse Rupture 350,000 P.S.I. min.

mill 1/2" wide x 3/8" deep slots and braze carbide inserts flush, tapered inserts both ends

Wear plate shall be replaceable type and shall be cast or fabricated

Re: Kenemetal PBS 2215
 VALK V-401-0W

1" dia. 1/2" deep drill slot for bolt head

13/16" square hole

REVISIONS			COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF TRANSPORTATION				
NO	DATE	BY					
1			REVERSIBLE PLOW 42"X11' WEAR PLATE				
2							
3			DRAWN BY	KNH	SCALE	N/A	MATERIAL
4			CHKD	KGK	DATE	06-23-15	DRW NO.
5							EQN -34-A
							SHEET 3 OF 5

NOTES:

1. The plow fabrication and assembly shall conform to the latest engineering techniques and shall meet the specification requirements of the following:

- American Standard Limits and Fits
- British Standard Fits and Limits
- American Society of Testing Materials
- Society Automotive Engineering
- American Institute of Steel Construction
- Steel Structure Painting Council
- American Welding Society D2-0-69 sub-section 303 (fit and assembly)
- American Welding Society D2-0-69 section 3 (welding workmanship and quality)

2. All welding shall be accomplished by one or a combination of the following processes: gas metal arc, flux cored arc and/or submerged arc welding procedures.

3. Before welding, all components must be positioned on precision engineered mechanical positioners (Jig) in order to assure the best possible fit.

4. Standard manufacturing tolerances shall be accepted by approval of the Chief-Equipment Division.

5. All steel unless otherwise specified shall be H.R.S. ASTM-A-36

6. Two (2) moldboard shoes (minimum) shall be mounted on plow.

7. Replaceable steel nose shoe or runner of 3/4" H.R.S. steel vertically and 3/4" high carbon steel horizontally shall be provided both sides of cutting edge for guiding plow over obstructions.

8. Accessories such as lift chain, (7/16" cadmium plated), bracket for attaching lifting device, hydraulic hoses, hydraulic quick couplers, (Aeroquip 5100 series), to accommodate the Departments trucks. All related items necessary to equip these plows on the Department trucks shall be furnished and installed.

9. Plow shall have horizontal torsion trip assemblies which shall permit moldboard to trip, pass over an obstruction and instantly return to plowing position.

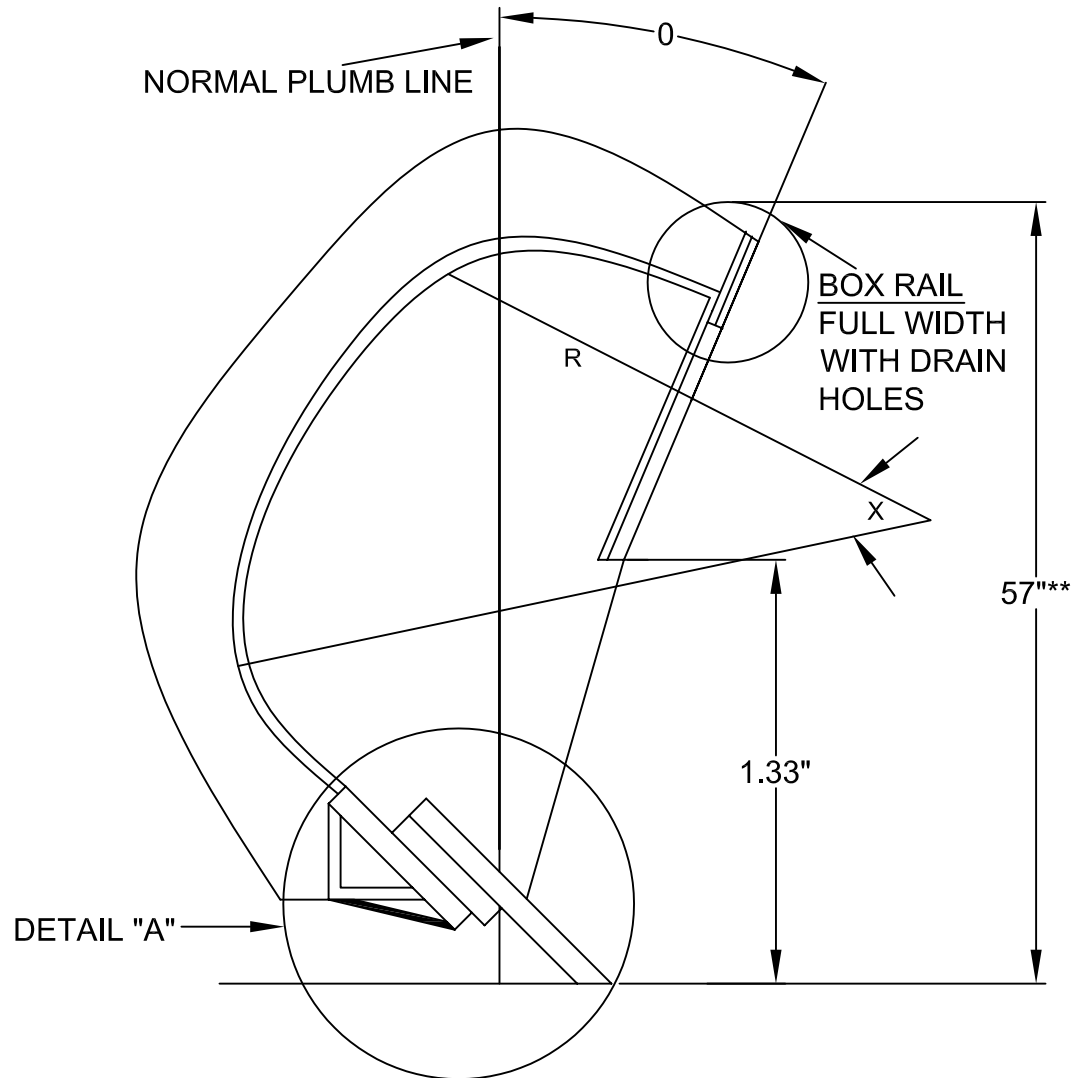
10. The trip springs shall be adjustable relative to tripping action.

REVISIONS			COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF TRANSPORTATION				
NO.	DATE	BY					
1			Reversible Plow General Notes				
2							
3							
			DRAWN BY	KNH	SCALE	N/A	MATERIAL
			CHKD	KGK	DATE	06-23-15	DRW NO.
5							EQN- 34A SHEET 4 OF 5

MODEL #721B

ANGLE O= 15 DEG.
 ANGLE X= 60 DEG.
 RADIUS R= 33"
 FOR MORE DETAIL INFORMATION ON CONTOUR
 AND RADII SEE EQN-37A
 LC= LENGTH OF CUTTING EDGE
 138"-36", 36", 48".
 LM= LENGTH OF MOLD BOARD - OVERALL LESS
 NOSE SHOE= 162".

ALL BIDERS SHALL INSPECT THE DEPARTMENT
 UNITS IN THE FIELD TO FUTHER CLARIFY THESE
 DRAWINGS. THE UNITS MUST INCORPORATE
 DESIGN FEATURES AND MOLDBOARD CONTOUR
 OF PROTOTYPE. THE MFGR. SHALL PROVIDE A
 METAL TEMPLATE OF THE MOLDBOARD
 CONTOUR OF INCLUDING CUTTING EDGE CUT
 OUT. THE BASE SHALL BE PARELLEL TO THE
 DECK SURFACE.
 SEE EQN-34 FOR DETAIL "A".



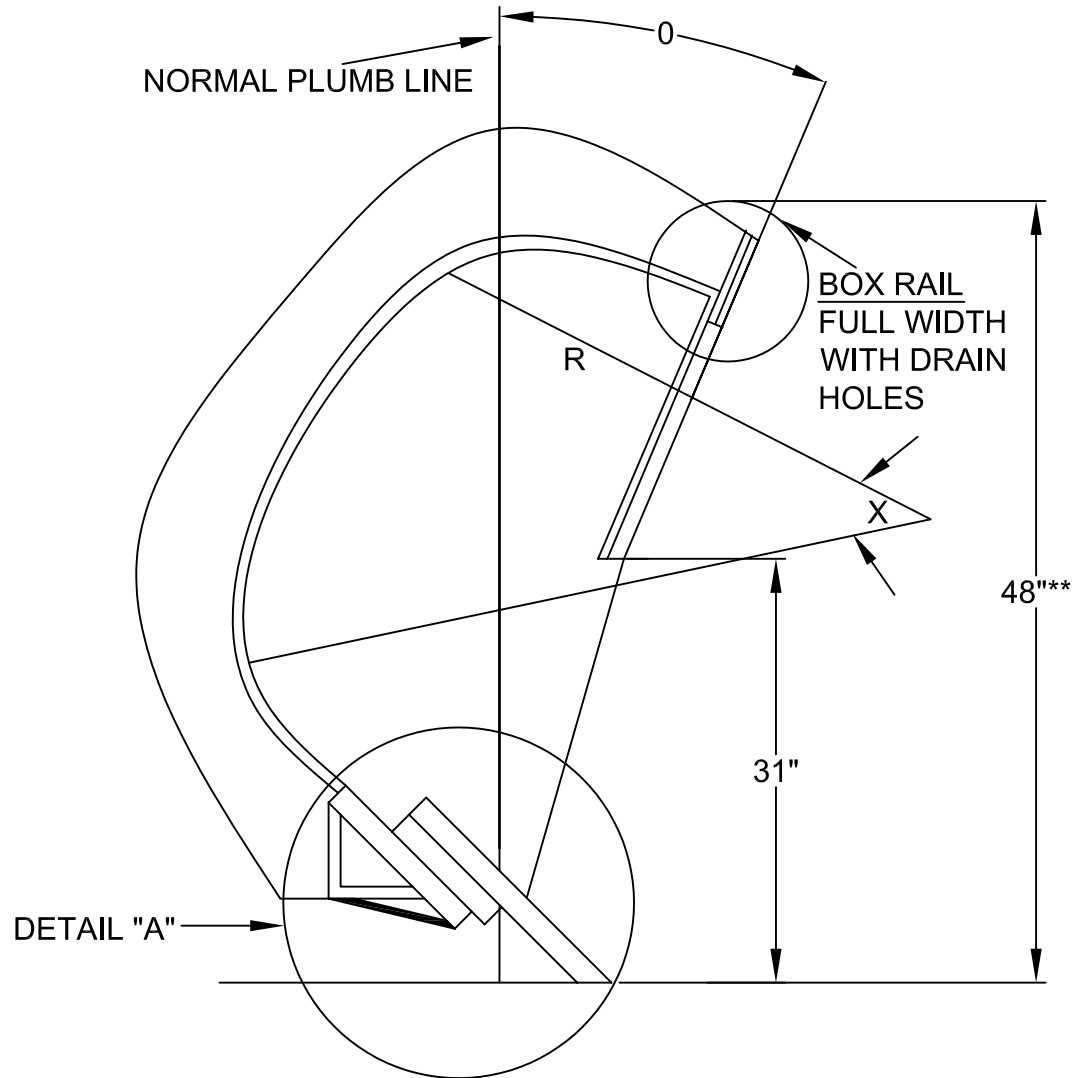
*MEASURED AT END OF EACH BLADE

PA DEPARTMENT OF TRANSPORTATION						
REVISIONS			ONE WAY SNOW PLOW - TRIP TYPE TIME 721B SEVERE DUTY ADJUSTABLE MOLDBOARD RADIUS OVERVIEW ALSO 712, 721, AND 731 DATA			
NO.	DATE	BY	DRAWN BY	SCALE	CHKD BY	
1	07-27-94	GL	WHM	N/A	RR	EQN-37
2	12-15-99	GAH	08-21-91			
3	04-11-07	CJW				
4						
5						

MODEL #721

ANGLE O= 15 DEG.
 ANGLE X= 60 DEG.
 RADIUS R= 27-3/4"
 FOR MORE DETAIL INFORMATION ON CONTOUR
 AND RADII SEE EQN-37A
 LC= LENGTH OF CUTTING EDGE
 120", 36", 36", 48".
 LM= LENGTH OF MOLD BOARD - OVERALL LESS
 NOSE SHOE= 162".

ALL BIDDERS SHALL INSPECT THE DEPARTMENT
 UNITS IN THE FIELD TO FURTHER CLARIFY THESE
 DRAWINGS. THE UNITS MUST INCORPORATE
 DESIGN FEATURES AND MOLDBOARD CONTOUR
 OF PROTOTYPE. THE MFR. SHALL PROVIDE A
 METAL TEMPLATE OF THE MOLDBOARD
 CONTOUR OF INCLUDING CUTTING EDGE CUT
 OUT. THE BASE SHALL BE PARELLEL TO THE
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 SEE EQN-34 FOR DETAIL "A".



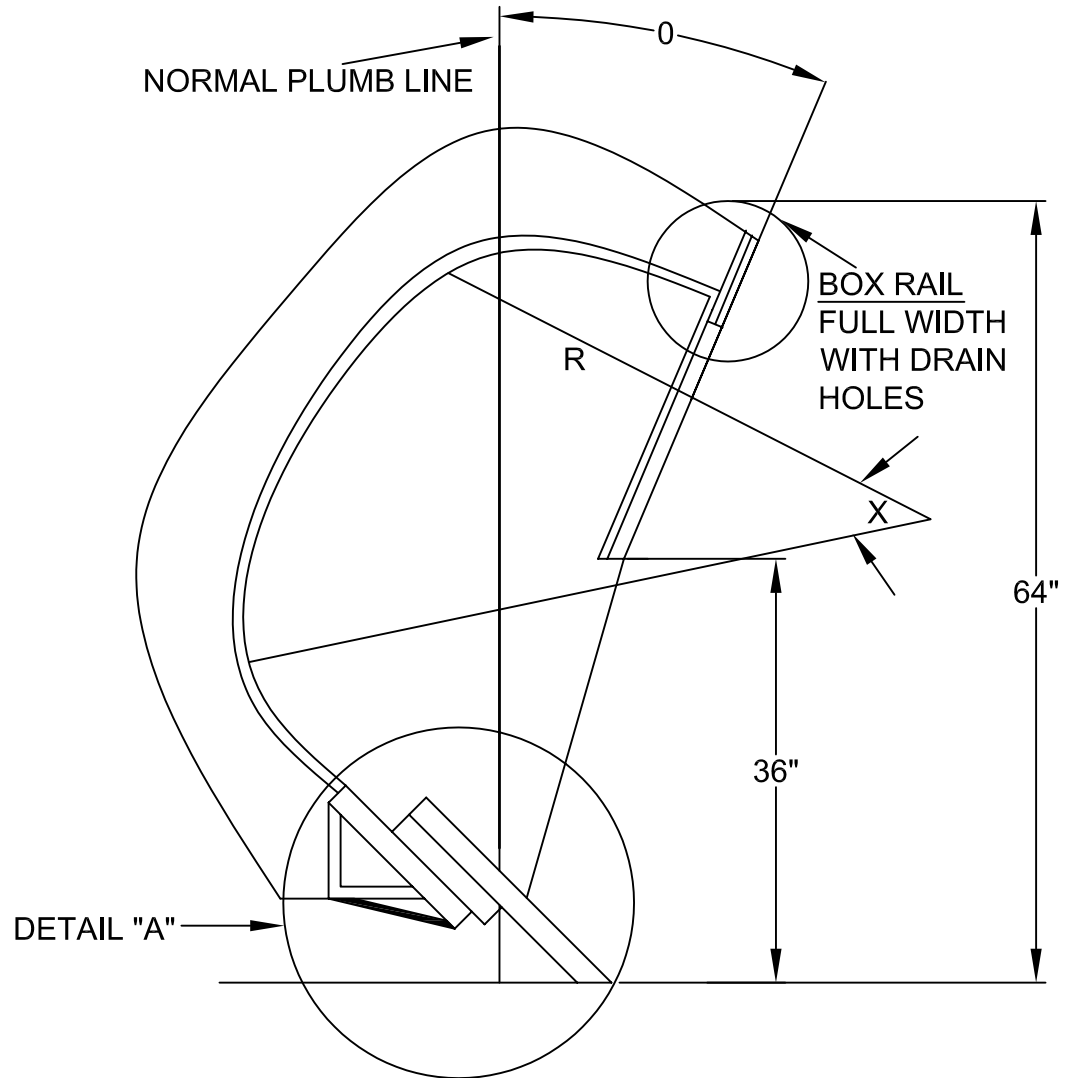
*MEASURED AT END OF EACH BLADE

PA DEPARTMENT OF TRANSPORTATION						
REVISIONS			ONE WAY SNOW PLOW - TRIP TYPE TIME 721B SEVERE DUTY ADJUSTABLE MOLDBOARD RADIUS OVERVIEW ALSO 712, 721, AND 731 DATA			
NO.	DATE	BY	DRAWN BY	SCALE	CHKD BY	
1	07-27-94	GL	WHM	N/A	RR	EQN-37
2	12-15-99	GAH	08-21-91			
3	04-11-07	CJW				
4						
5						

MODEL #712

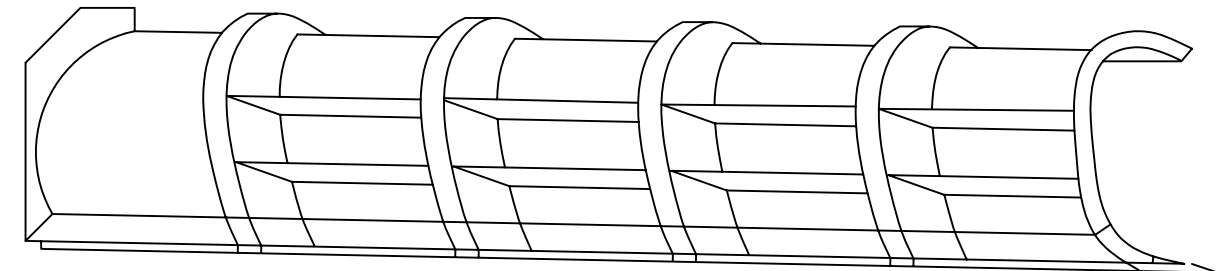
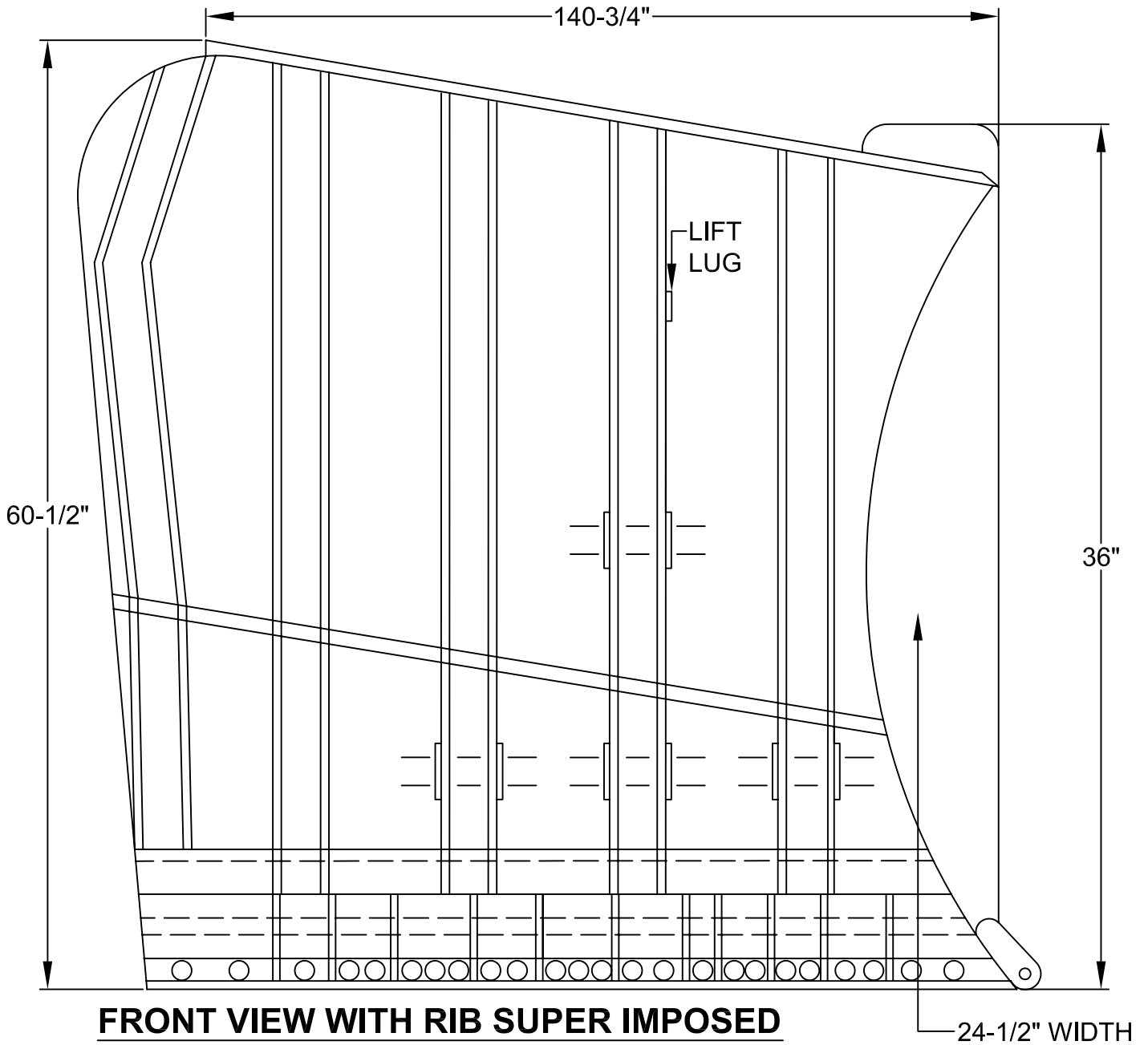
ANGLE O= 15 DEG.
 ANGLE X= 60 DEG.
 RADIUS R= 37"
 FOR MORE DETAIL INFORMATION ON CONTOUR
 AND RADII SEE EQN-37A
 LC= LENGTH OF CUTTING EDGE
 144", 48", 48", 48"
 LM= LENGTH OF MOLD BOARD - OVERALL LESS
 NOSE SHOE= 168".

ALL BIDERS SHALL INSPECT THE DEPARTMENT
 UNITS IN THE FIELD TO FUTHER CLARIFY THESE
 DRAWINGS. THE UNITS MUST INCORPORATE
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 CONTOUR OF INCLUDING CUTTING EDGE CUT
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 SEE EQN-34 FOR DETAIL "A".



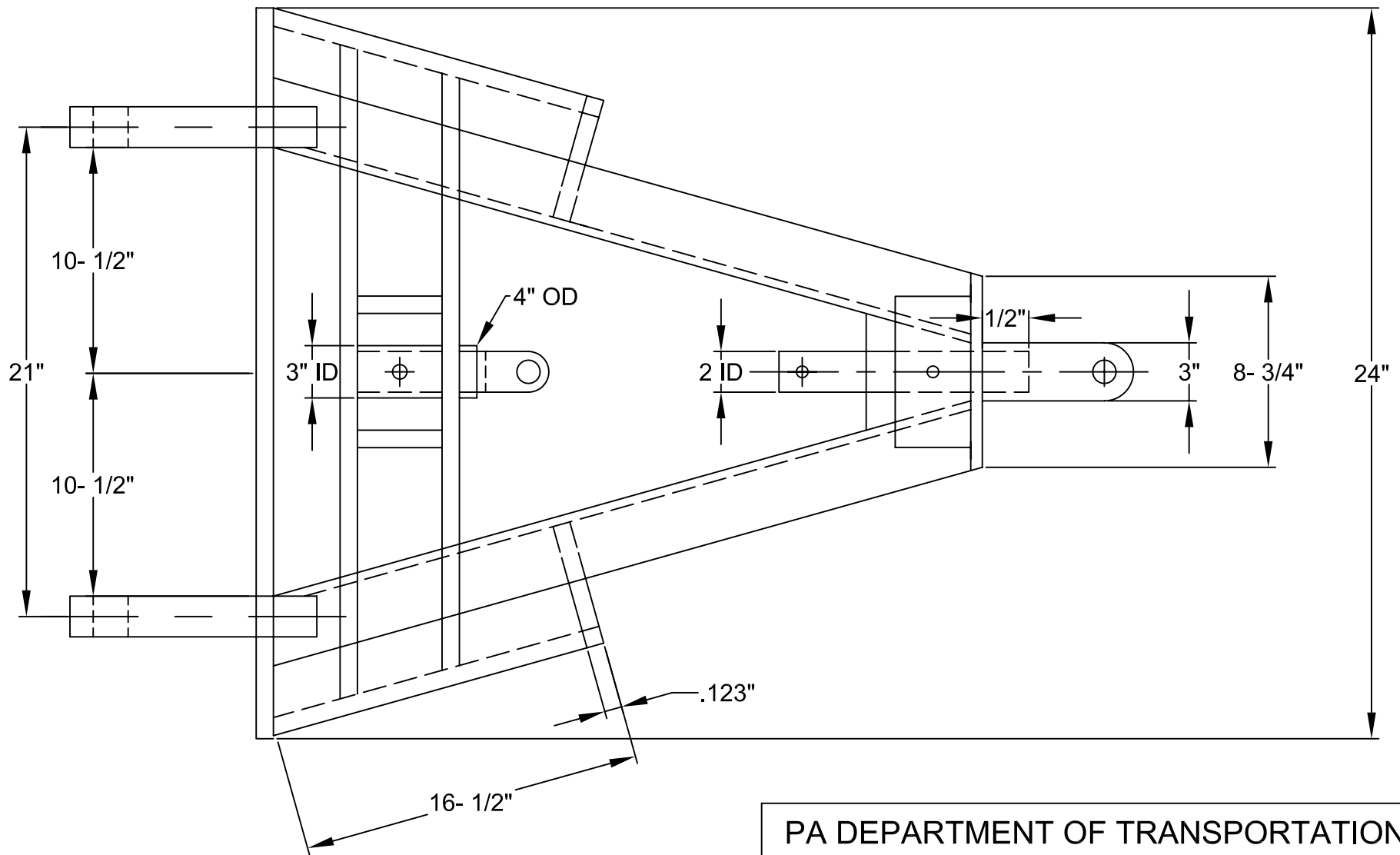
*MEASURED AT END OF EACH BLADE

PA DEPARTMENT OF TRANSPORTATION						
REVISIONS			ONE WAY SNOW PLOW - TRIP TYPE TIME 721B SEVERE DUTY ADJUSTABLE MOLDBOARD RADIUS OVERVIEW ALSO 712, 721, AND 731 DATA			
NO.	DATE	BY	DRAWN BY	SCALE	CHKD BY	
1	07-27-94	GL	WHM	N/A	RR	EQN-37
2	12-15-99	GAH	DATE 08-21-91			
3	04-11-07	CJW				SHEET 4 OF 12
4						
5						

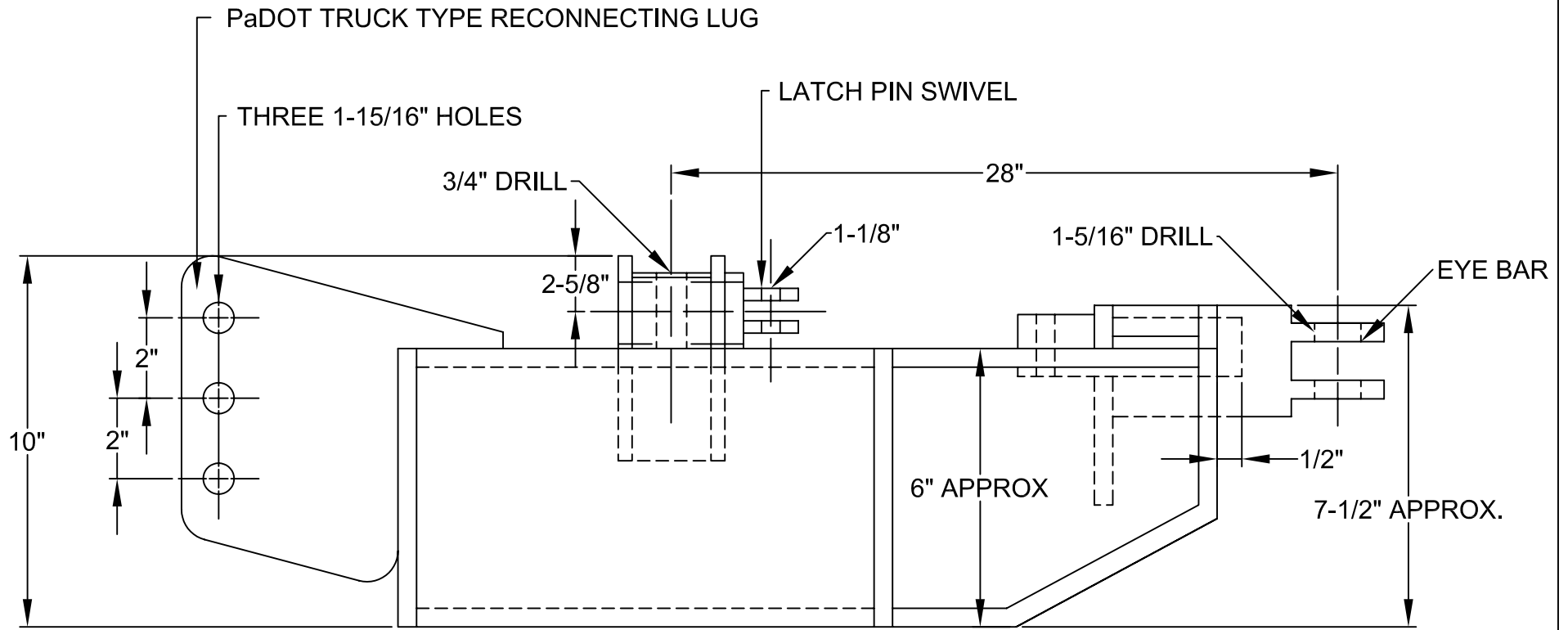


PA DEPARTMENT OF TRANSPORTATION

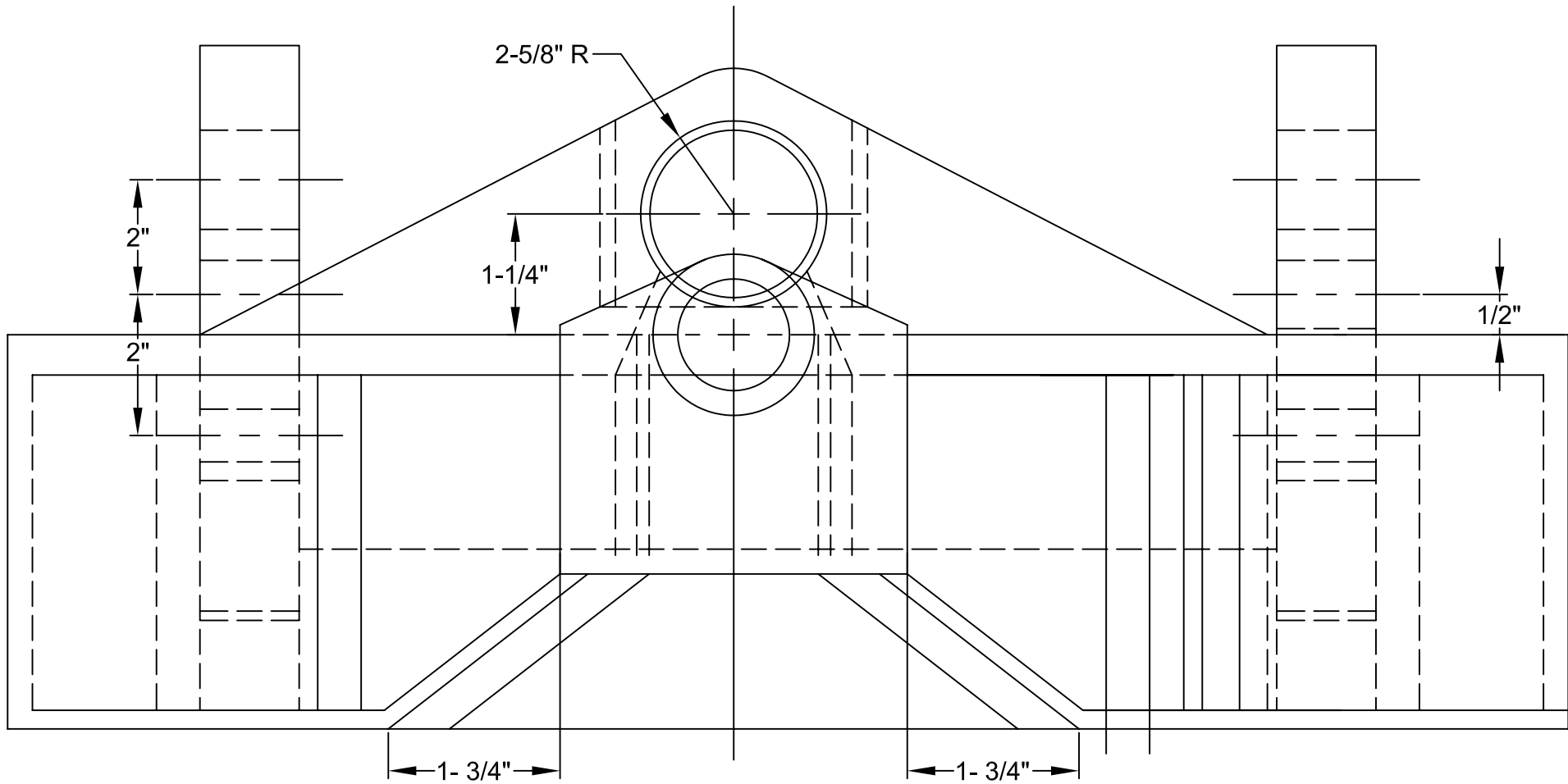
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NO.	DATE	BY	DRAWN BY	SCALE		
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2	12-15-99	GAH	WHM	N/A	EQN-37	
3	04-11-07	CJW	DATE 08-21-91	CHK'D BY RR	SHEET 5 OF 12	
4						
5						



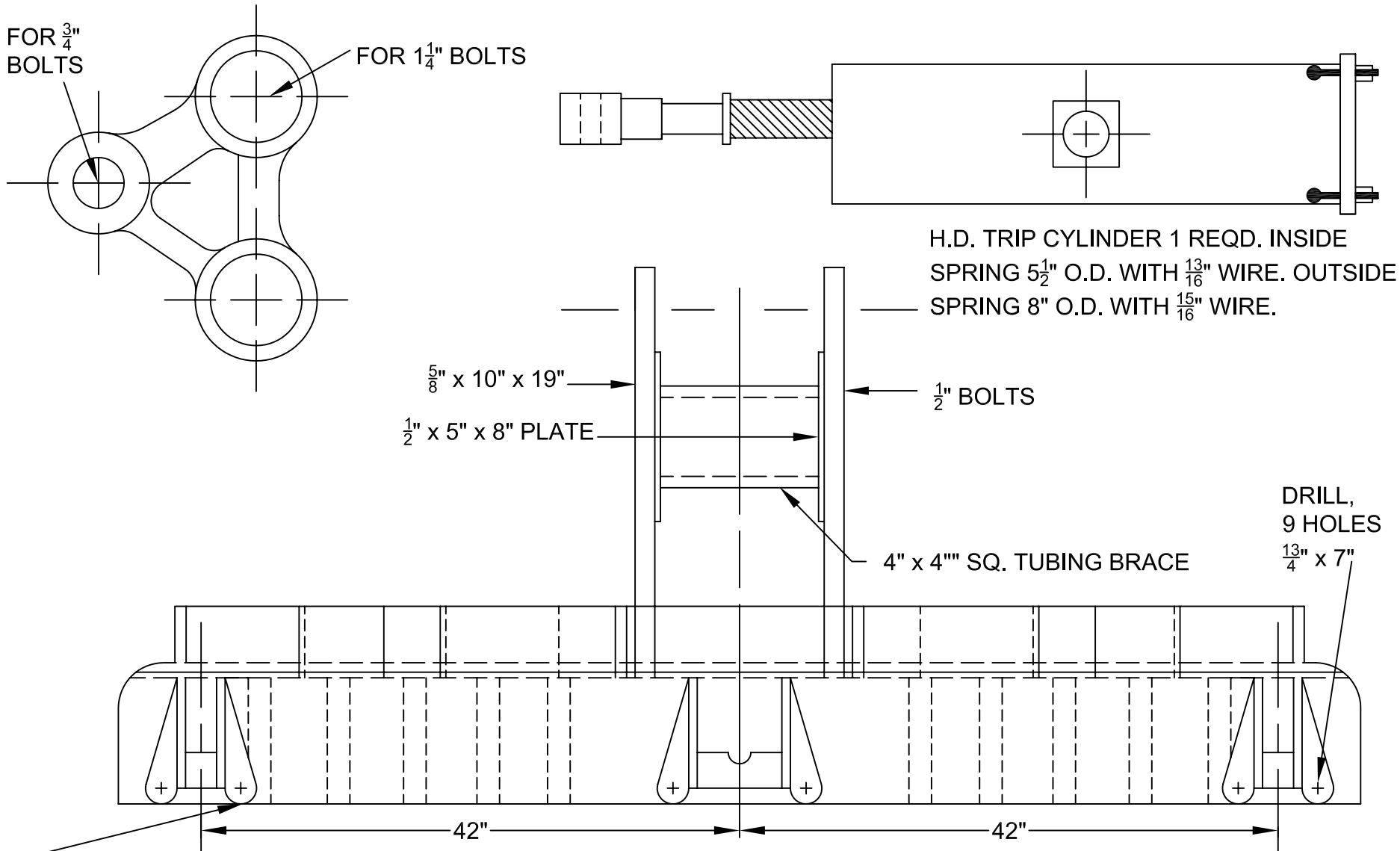
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REVISIONS			PLOW INFO - 721B ONE WAY PLOW		
NO.	DATE	BY			
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2	12-15-99	GAH	<small>DRAWN BY</small> WHM	<small>SCALE</small> N/A	EQN-37
3	04-11-07	CJW	<small>DATE</small> 08-21-91	<small>CHKD BY</small> RR	SHEET 6 OF 12
4					
5					



PA DEPARTMENT OF TRANSPORTATION					
REVISIONS			PLOW INFO - 721B ONE WAY PLOW		
NO.	DATE	BY			
1	07-27-94	GL			
2	12-15-99	GAH	<small>DRAWN BY</small> WHM	<small>SCALE</small> N/A	EQN-37
3	04-11-07	CJW	<small>DATE</small> 08-21-91	<small>CHKD BY</small> RR	SHEET 7 OF 12
4					
5					



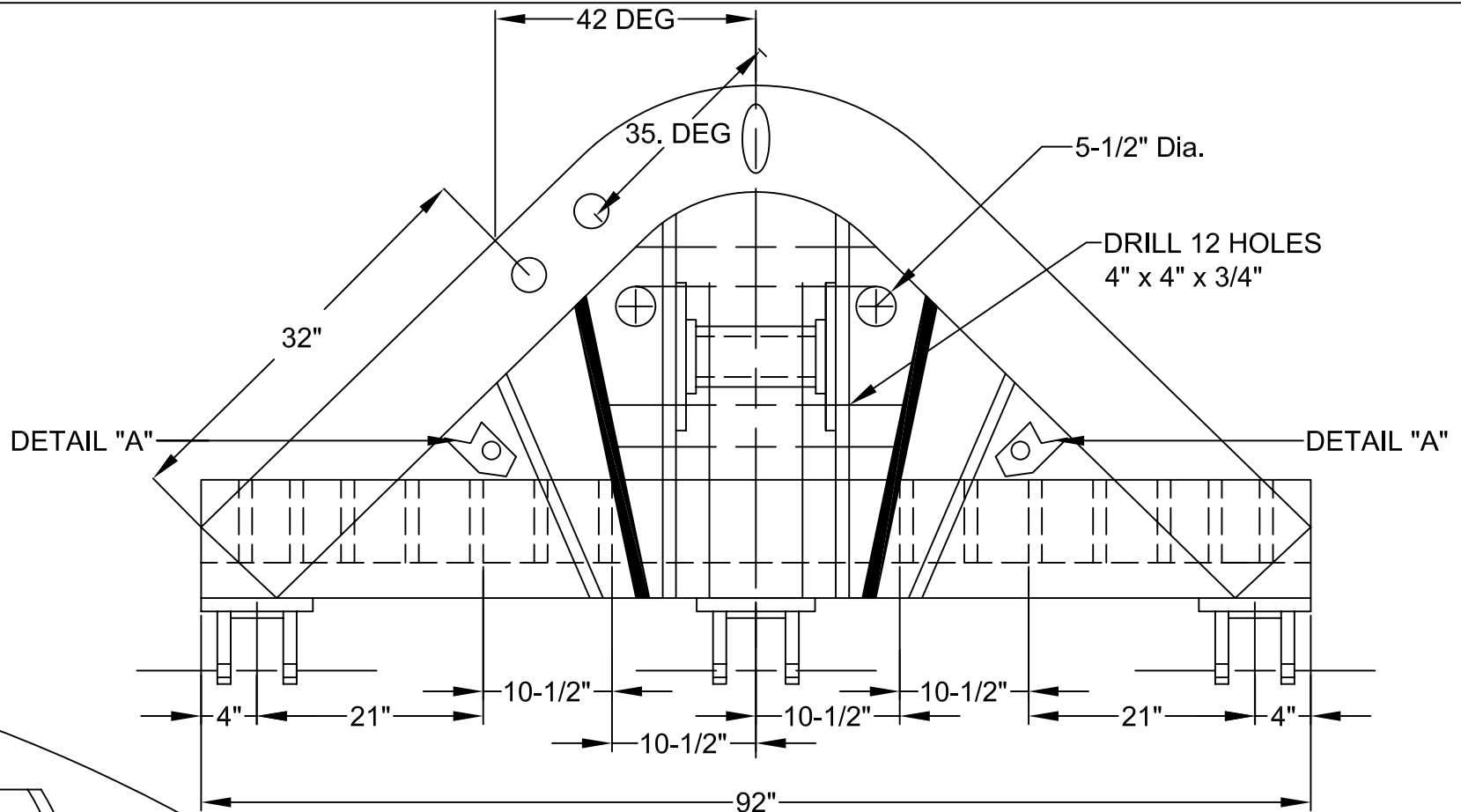
PA DEPARTMENT OF TRANSPORTATION					
REVISIONS			PLOW INFO - 721B ONE WAY PLOW		
NO.	DATE	BY			
1	07-27-94	GL			
2	12-15-99	GAH	<small>DRAWN BY</small> WHM	<small>SCALE</small> N/A	EQN-37
3	04-11-07	CJW	<small>DATE</small> 08-21-91	<small>CHKD BY</small> RR	SHEET 8 OF 12
4					
5					



H.D. TRIP CYLINDER 1 REQD. INSIDE
 SPRING 5 $\frac{1}{2}$ " O.D. WITH $\frac{13}{16}$ " WIRE. OUTSIDE
 SPRING 8" O.D. WITH $\frac{15}{16}$ " WIRE.

1" GUSSETS ON 7:
 CENTERS EXCEPT ON
 3" CENTERS AT ENDS.

PA DEPARTMENT OF TRANSPORTATION					
REVISIONS			PLOW INFO 721B/712 -SEMI CIRCLE ASSEMBLY		
NO.	DATE	BY	DRAWN BY	SCALE	
1	07-27-94	GL	WHM	N/A	EQN-37
2	12-15-99	GAH	WHM	N/A	EQN-37
3	04-11-07	CJW	DATE 08-21-91	CHKD BY RR	SHEET 9 OF 12
4					
5					



5-1/2" Dia.

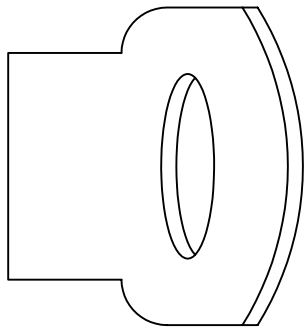
DRILL 12 HOLES
4" x 4" x 3/4"

DETAIL "A"

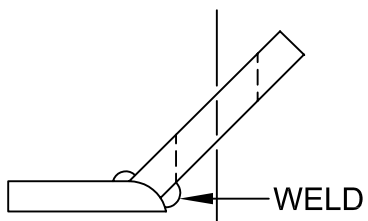
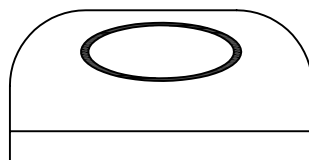
DETAIL "A"

DETAIL "A"

3/4" x 7"

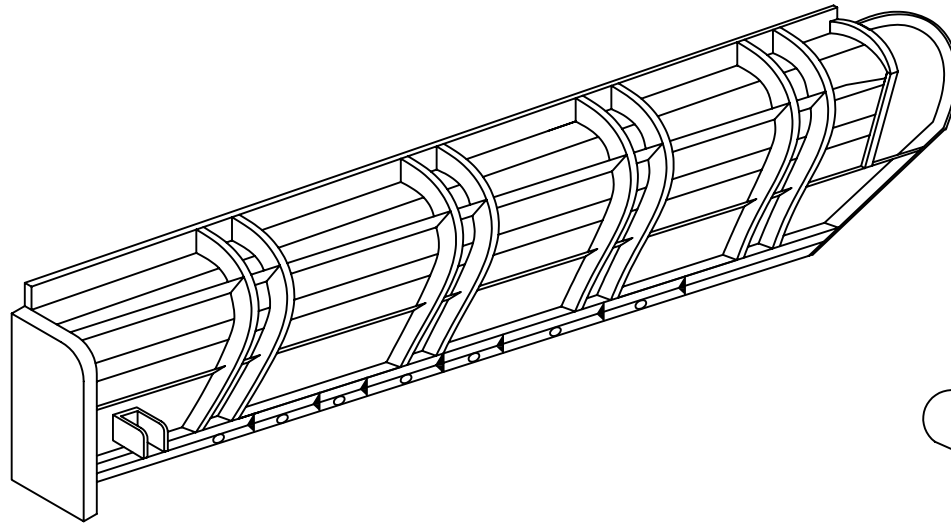


LIFT CHAIN LUG



WELD

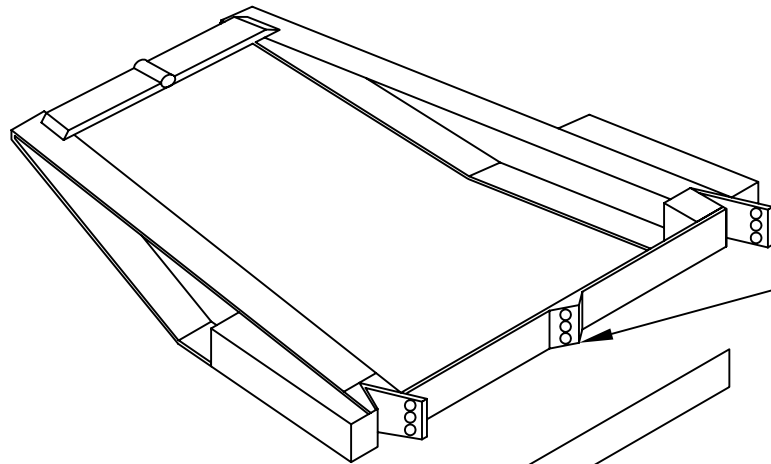
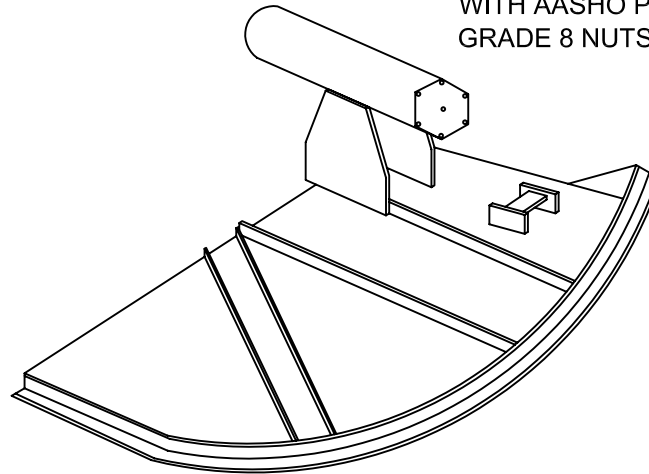
PA DEPARTMENT OF TRANSPORTATION							
REVISIONS			PLOW INFO 721B / 712 - SEMI CIRCLE ASSEMBLY				
NO.	DATE	BY	DRAWN BY		SCALE	EQU-37	
1	07-27-94	GL	WHM		N/A	EQU-37	
2	12-15-99	GAH	DATE 08-21-91		CHKD BY	RR	
3	04-11-07	CJW				SHEET 10 OF 12	
4							
5							



NOTE: ALL DIMENSIONS IN INCHES

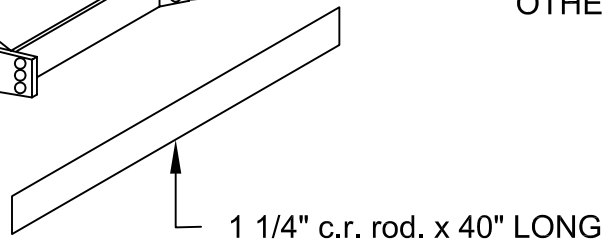
FOR DETAIL "A":
 FLAT COUNTERSUNK GRADE-8MIN. PLOW
 BOLT WITH SELF LOCKING ELASTIC CENTER
 NUT, DIA. $\frac{5}{8}$ " BY APPROPRIATE LENGTH TO
 INSURE FULL USE OF THE NUT PLUS $\frac{1}{4}$ "
 OVERHEATED.

BOLT HOLES SHALL BE SPACED TO COINICIDE
 WITH AASHO PUNCHINGS OF THE CUTTING
 GRADE 8 NUTS SHALL BE FURNISHED.

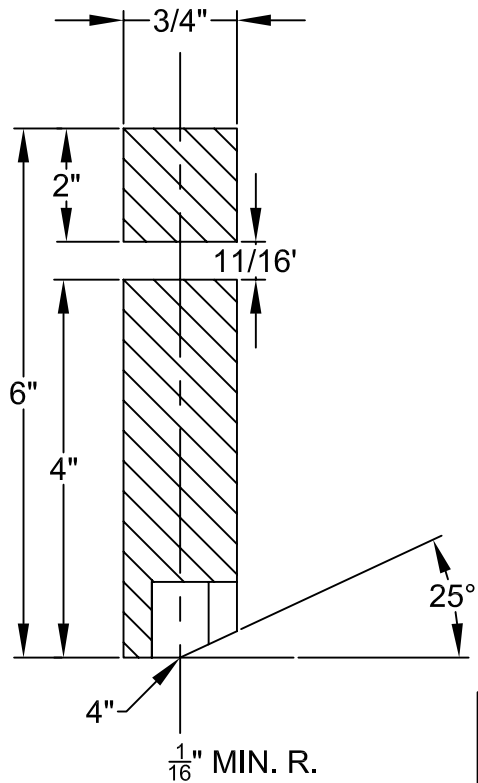


THE CENTER BRACE SHALL BE
 CENTERED EVENLY BETWEEN THE
 OTHER BRACES

SPECIAL NOTE:
 BOTH BLADES MUST
 BE 6" BLADES



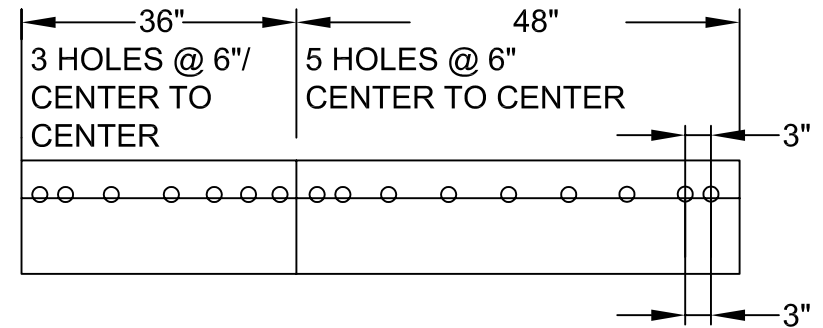
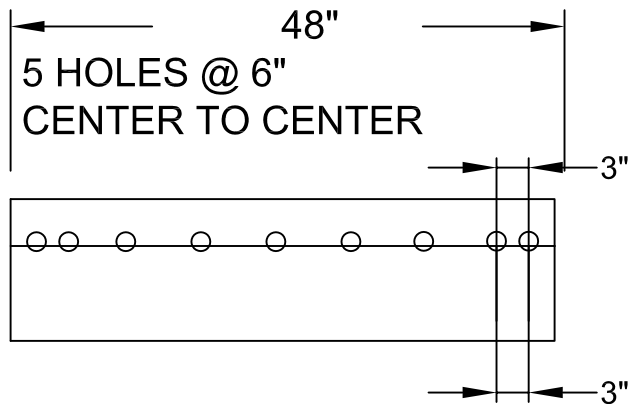
PA DEPARTMENT OF TRANSPORTATION					
REVISIONS			712 / 721 / 721B REFERENCE DRAWING		
NO.	DATE	BY			
1	07-27-94	GL			
2	12-15-99	GAH	DRAWN BY WHM	SCALE N/A	EQN-37
3	04-11-07	CJW	DATE 08-21-91	CHKD BY RR	SHEET 11 OF 12
4					
5					



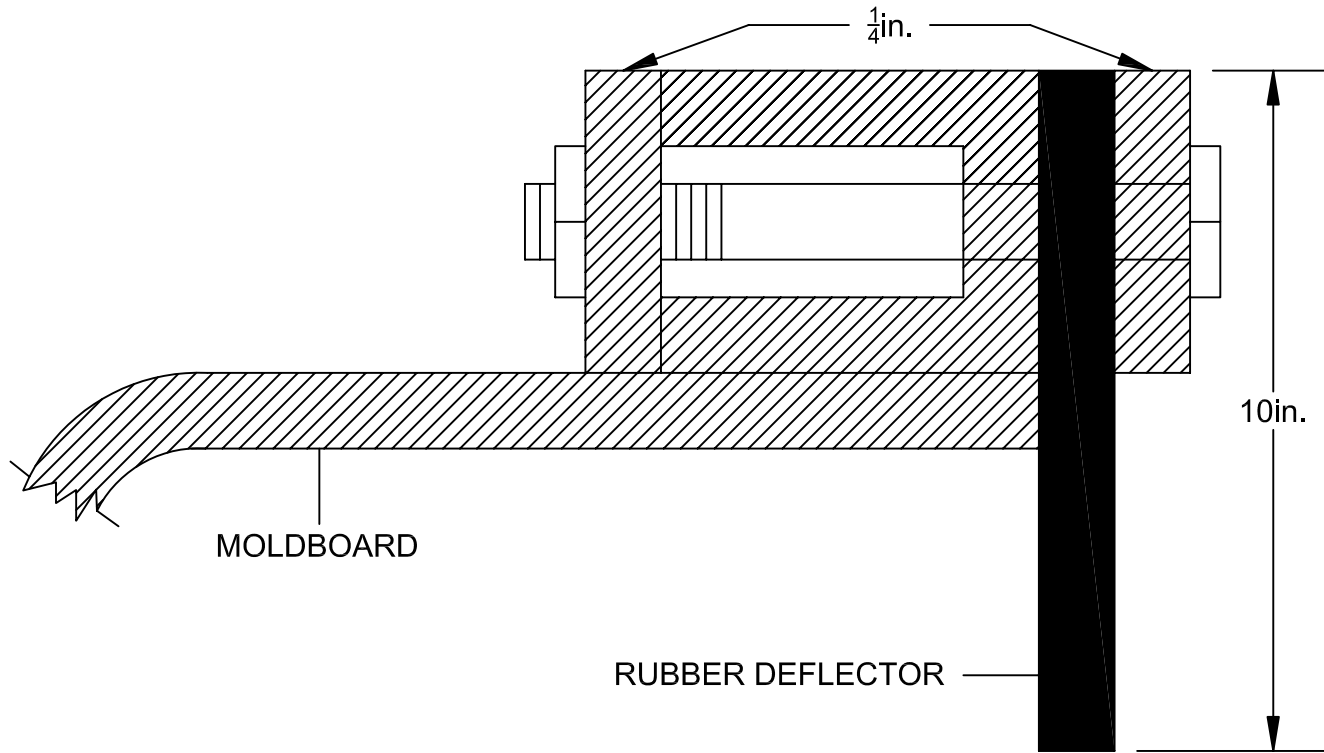
11 FOOT BLADE ASSEMBLY

CUTTING EDGE BOLT HOLES SPACED TO COINCIDE WITH STANARED BOLT HOLE (AASHO PUNCHING). LOCATION AND SPACING OF HOLES SHALL BE AS INDICATED (TOLERANCE SHALL BE $\frac{1}{32}$ " +/-) CUTTING EDGE SHALL BE FLA HOT-ROLLED FINISHED STEEL SAE 1020-1040. TUNGSTEN BRAZING MATERIAL SHEAR STRENGTH SHALL BE 30,000 psi MINIMUM. ALL SIDE BRAZING. SPACE BETWEEN TUNGSTEN INSERTS SHALL BE $\frac{1}{100}$ " CUTTING DGE WARPAGE AND LONGITUDINAL DEVIATION NOT TO EXCED $\frac{1}{8}$ " PER 48" LENGTH.

SQUARE HOLES WITH COUNTERSUNK TO RECIEVE $\frac{5}{8}$ " Dia PLOW BOLT.



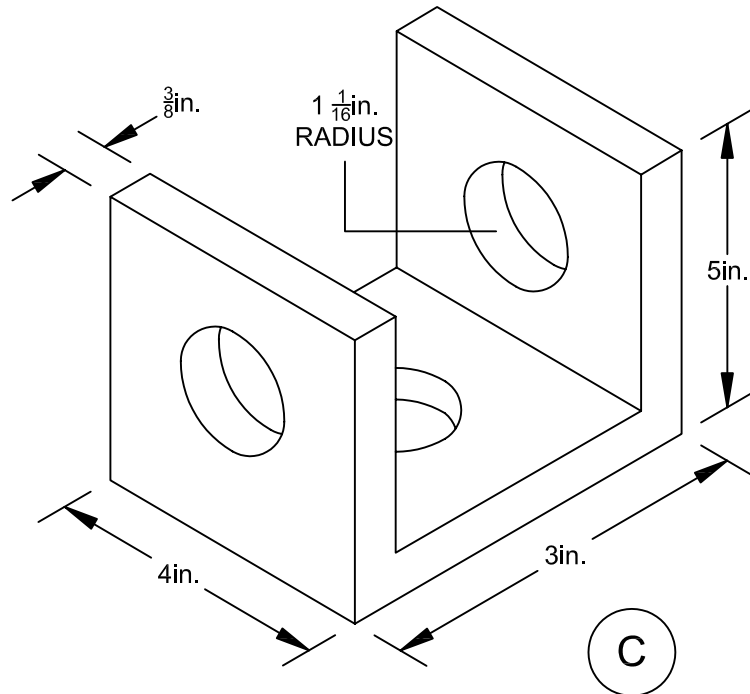
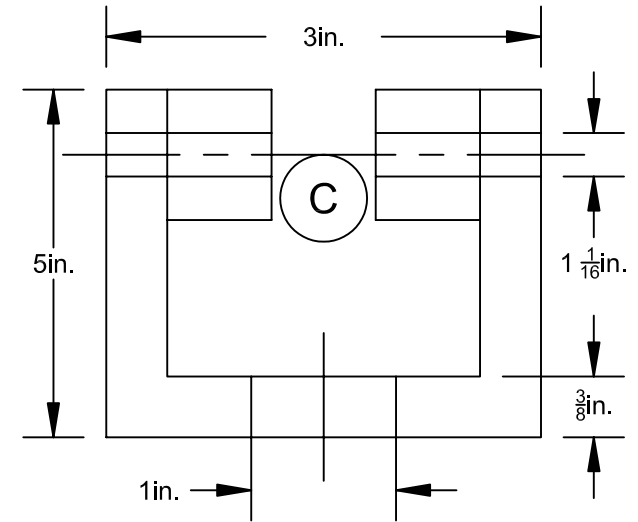
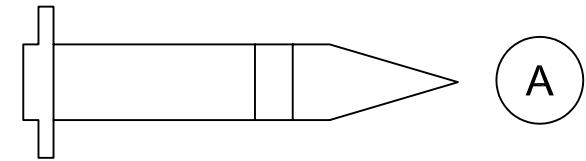
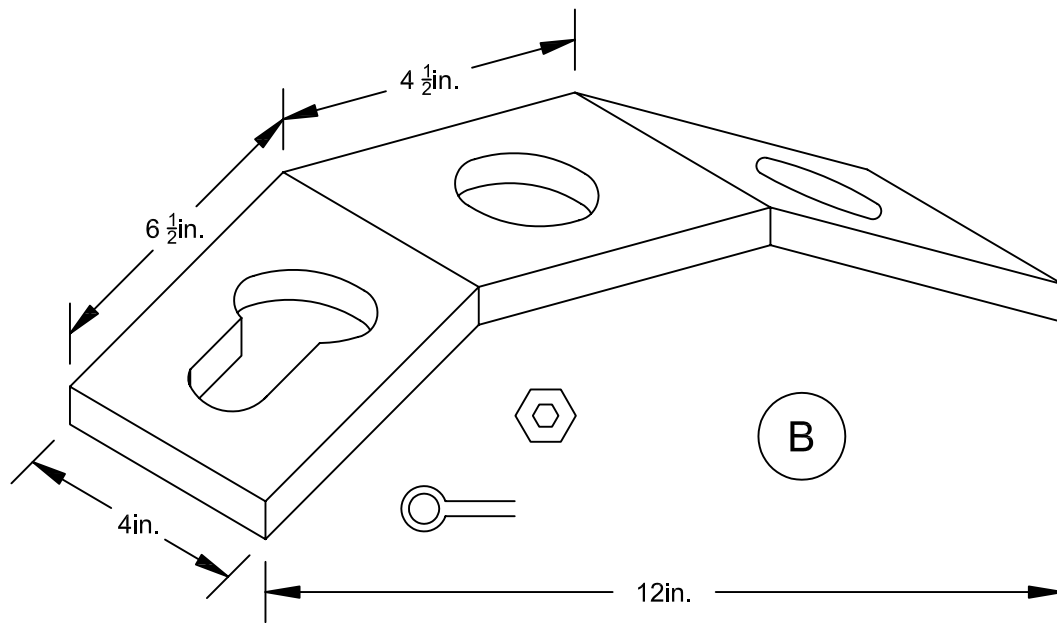
PA DEPARTMENT OF TRANSPORTATION						
REVISIONS			PLOW INFO ONE WAY SNOW PLOW-TRIP TYPE 721B SEVERE DUTY			
NO.	DATE	BY	DRAWN BY	SCALE		
1	07-27-94	GL				
2	12-15-99	GAH	WHM	N/A	EQN-37	
3	04-11-07	CJW	08-21-91	RR	SHEET 12 OF 12	
4						
5						



NOTES:

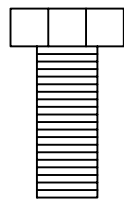
1. ALL DIMENSIONS ARE MINIMUM AND IN INCHES.
2. RUBBER, BLACK, NATURAL, OR SYNTHETIC. TIRE CORE IMPREGNATED, SMOOTH SIDES $\frac{1}{2}$ in. X 10 in. WIDE X FULL LENGTH OF THE MOLDBOARD TOP EDGE CARBON STEEL, ASTM A-36 MINIMUM. $\frac{1}{4}$ in. THICK X 2 in. WIDE X FULL LENGTH OF THE MOLDBOARD TOP EDGE.
3. BOLTS, LENGTH TO SUIT THE SECTION OF THE REINFORCEMENT AT THE TOP EDGE OF THE MOLDBOARD, $\frac{3}{8}$ in' IN SIZE.
4. SPACING OF THE BOLTS NOT MORE THAN 6 in. APART.
5. SNOW DEFLECTOR TO INCLUDE ALL HARDWARE NECESSARY FOR A FINISHED PRODUCT.

PA DEPARTMENT OF TRANSPORTATION						
REVISIONS			SNOW PLOW SNOW DEFLECTOR			
NO.	DATE	BY	DRAWN BY	SCALE		
1	08-13-98	DJA				
2	05-23-02	DWG	DMB	N/A	EQN-37B	
3	06-12-07	KNH	DATE 05-02-96	CHK'D BY WHM	SHEET 1 OF 1	



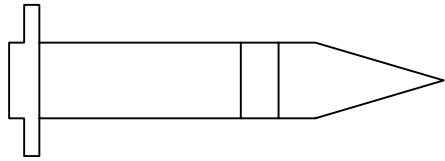
- A. 1in. X 4in. PIN AND HAIRPIN TO BE SUPPLIED WITH PLOW. PIN SHALL BE ATTACHED TO BRACKET BY A CHAIN OR CABLE.
- B. $\frac{5}{8}$ in. X 3in. HIGH GUSSET. GUSSET WELDED TO BACK SIDE OF SWIVEL. BANJO OPENININGS TO ACCOMMODATE $\frac{1}{2}$ in. CHAIN.
- C. 1 $\frac{1}{4}$ in. OPENING TO ACCEPT LIFT ARM REFERENCED IN EQN-50 SPACERS TO BE WELDED TO BRACKET.

ALL DIMENSIONS ARE APPROXIMATE.

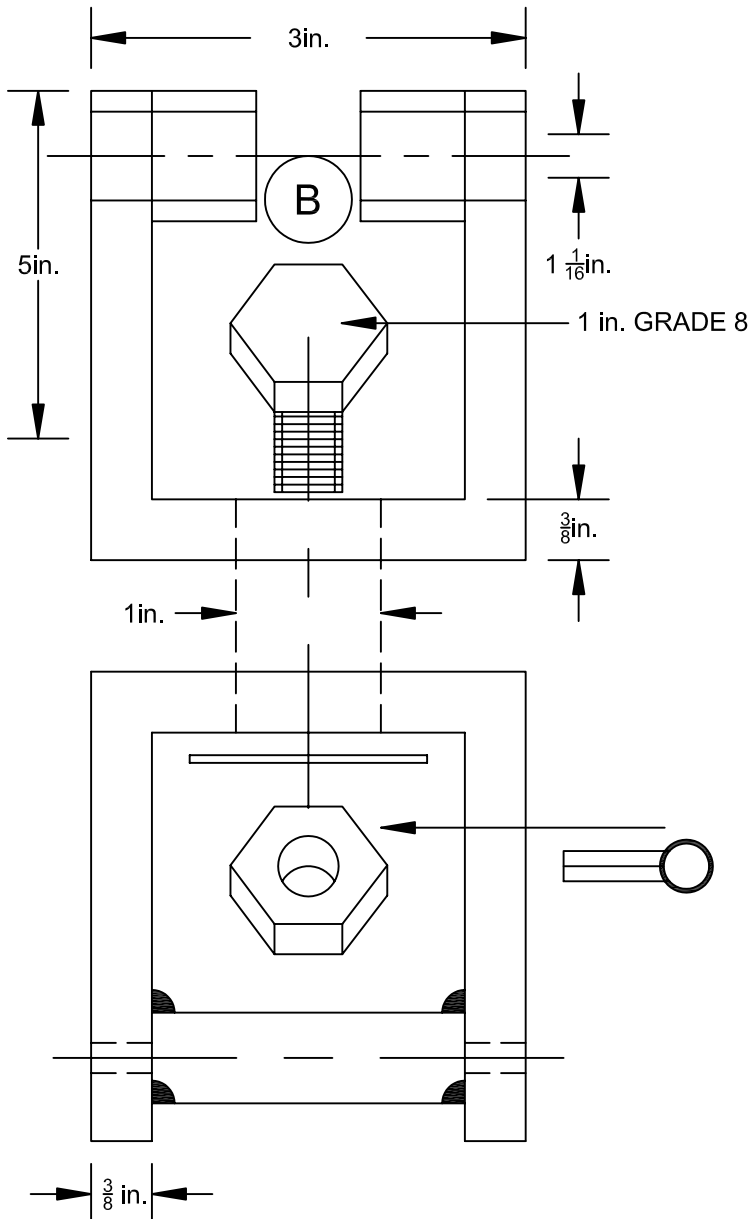


1in. BOLT
(GRADE 8)

REVISIONS				PA DEPARTMENT OF TRANSPORTATION		
NO.	DATE	BY	PLOW HITCH TO SWIVEL			
1	06-16-99	GAH				
2	05-23-02	DWG	DRAWN BY	GL	SCALE N/A	EQN-39
3	06-15-07	KNH	DATE	06-27-94	CHK'D BY RED	SHEET 1 OF 1



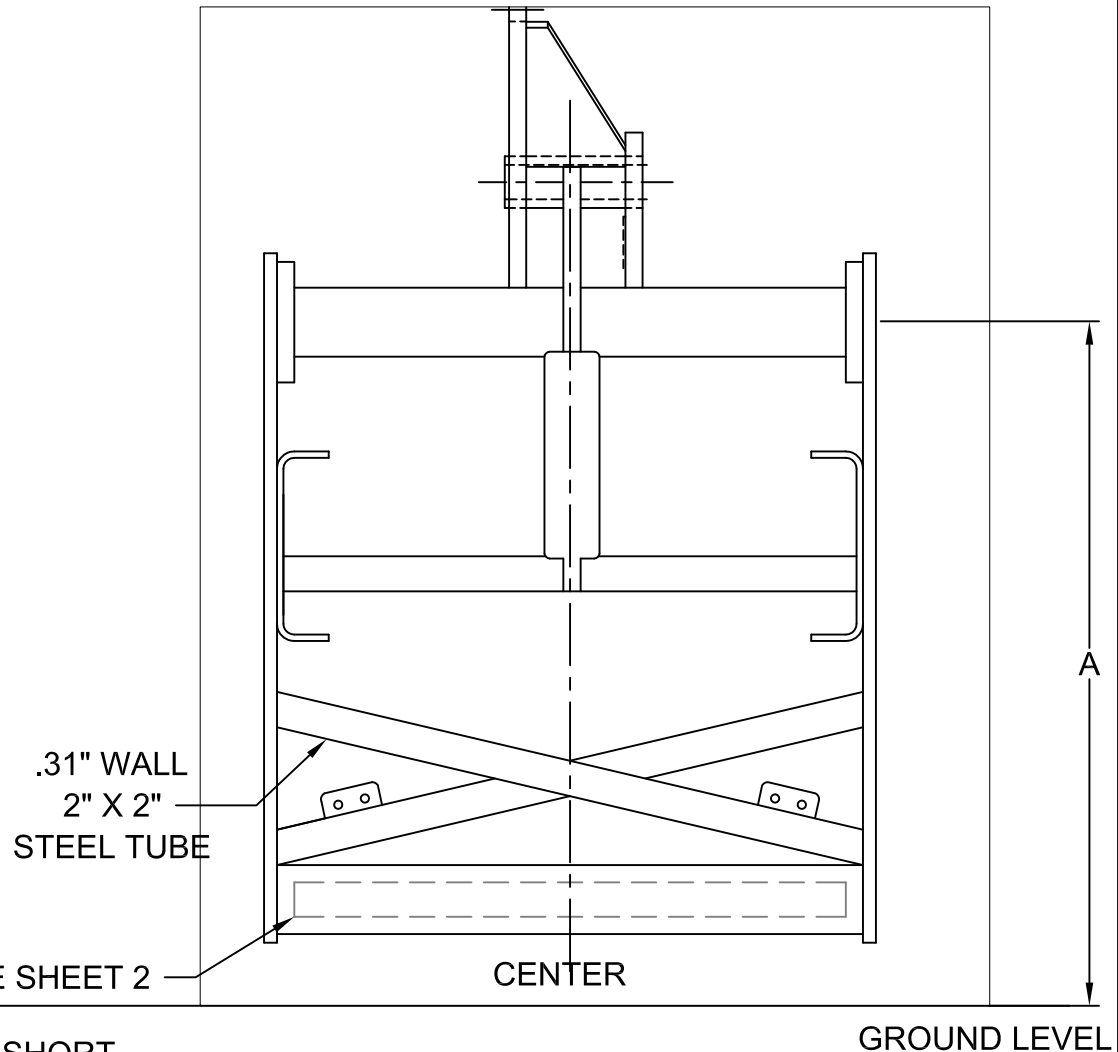
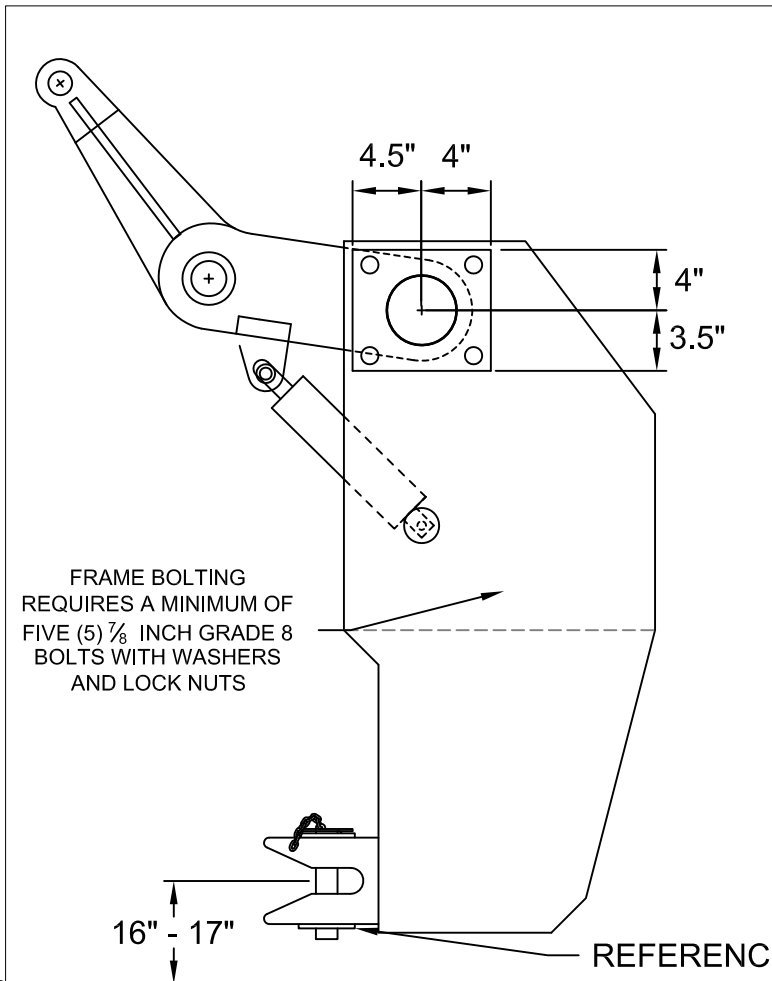
A



- A. 1 in. X 4 in. PIN AND HAIRPIN TO BE SUPPLIED WITH PLOW, PIN SHALL BE ATTACHED TO BRACKET BY A CHAIN OR CABLE
- B. 1 $\frac{1}{4}$ in. OPENING TO ACCEPT LIFT ARM REFERENCED IN EQN-50, SPACERS TO BE WELDED TO BRACKET.

ALL DIMENSIONS ARE APPROXIMATE

PA DEPARTMENT OF TRANSPORTATION					
REVISIONS			PLOW TO HITCH SWIVEL SLIDING		
NO.	DATE	BY			
1	08-24-98	DJA			
2	05-23-02	DWG	DRAWN BY	SCALE	
			DJA	N/A	EQN-43
3	06-22-07	KNH	DATE	CHK'D BY	
			08-24-98	WHM	SHEET 1 OF 1

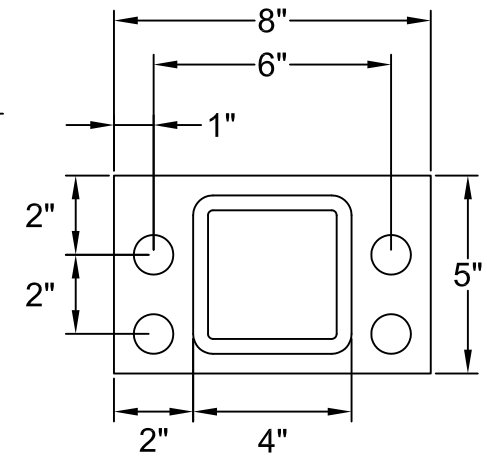
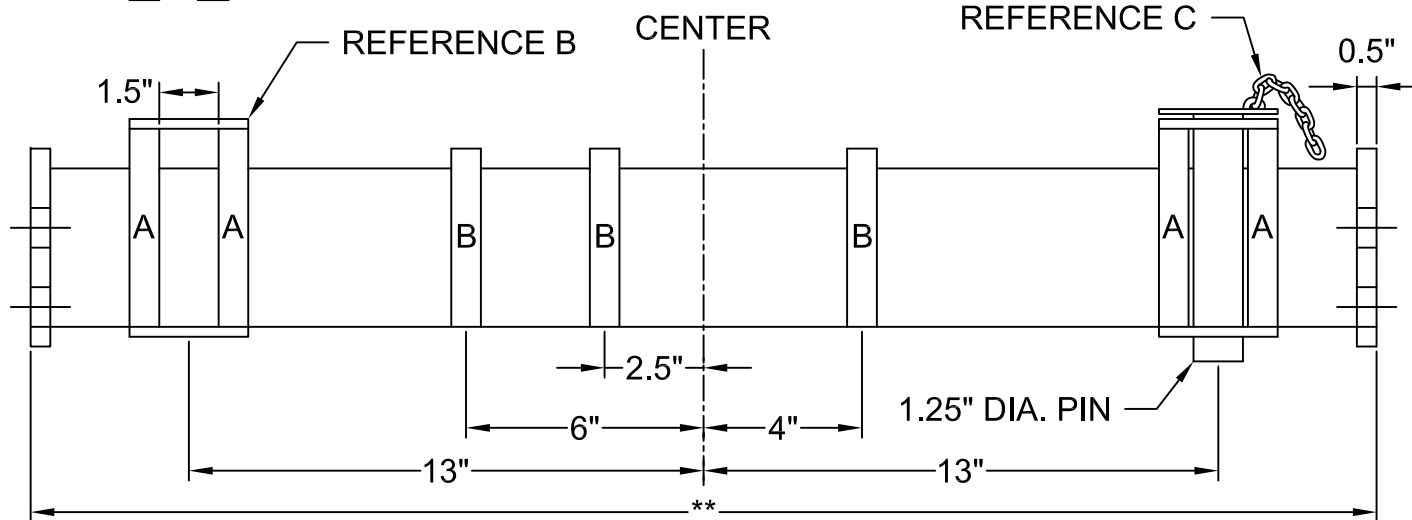
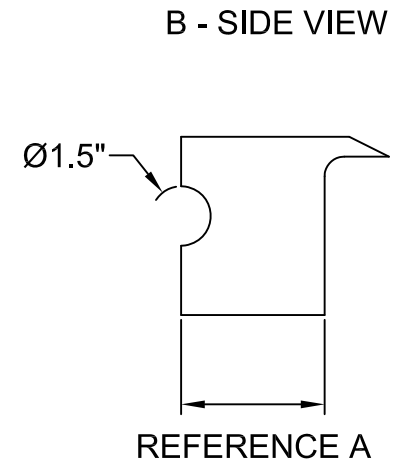
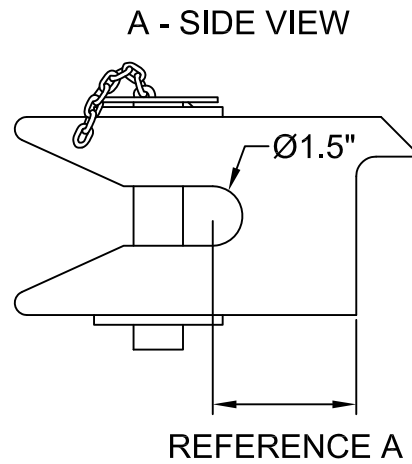
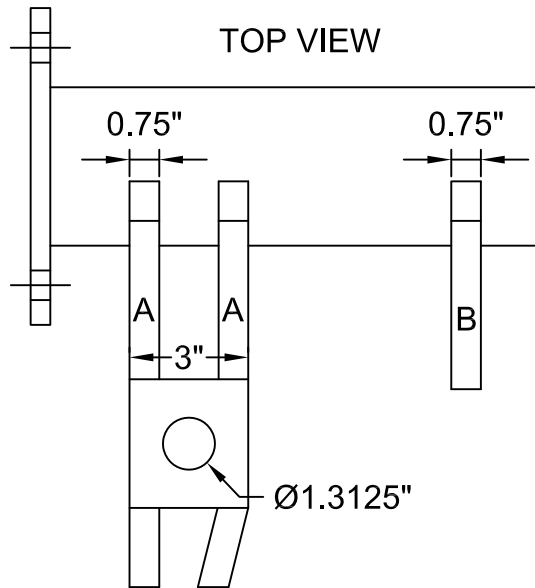


NOTES:

- ALL GREASE ZERKS SHALL BE SURROUNDED BY A SHORT LENGTH OF PIPE (WELDED IN PLACE) OR PLACED IN A RECESSED HOLE.
- "A" - HEIGHT SHALL BE SUFFICIENT TO AFFORD UNRESTRICTED LIFT FOR PENNDOT PLOWS. 16 INCH MINIMUM LIFT.
- ALL HYDRAULIC CONNECTIONS TO THE PLOW HOIST CYLINDER SHALL BE POSITIONED TO THE SIDES OR REAR TO PREVENT HOSE DAMAGE WHILE CONNECTING / DISCONNECTION TO THE FRONT PLOW.
- ALL FINAL DIMENSIONS AND ANGLES SHALL BE VERIFIED THROUGH FIELD VISITATIONS AND CORRESPONDING WITH THE FLEET MANAGEMENT DIVISION.

PA DEPARTMENT OF TRANSPORTATION

REVISIONS			FRONT PLOW HITCH ASSEMBLY		
NO.	DATE	BY	DRAWN BY	SCALE	
1	04-27-15	GAW			
2	12-19-16	JJB	SWW	N/A	EQN-50
3	08-02-18	KBD	09-25-95	WHM	SHEET 1 OF 4

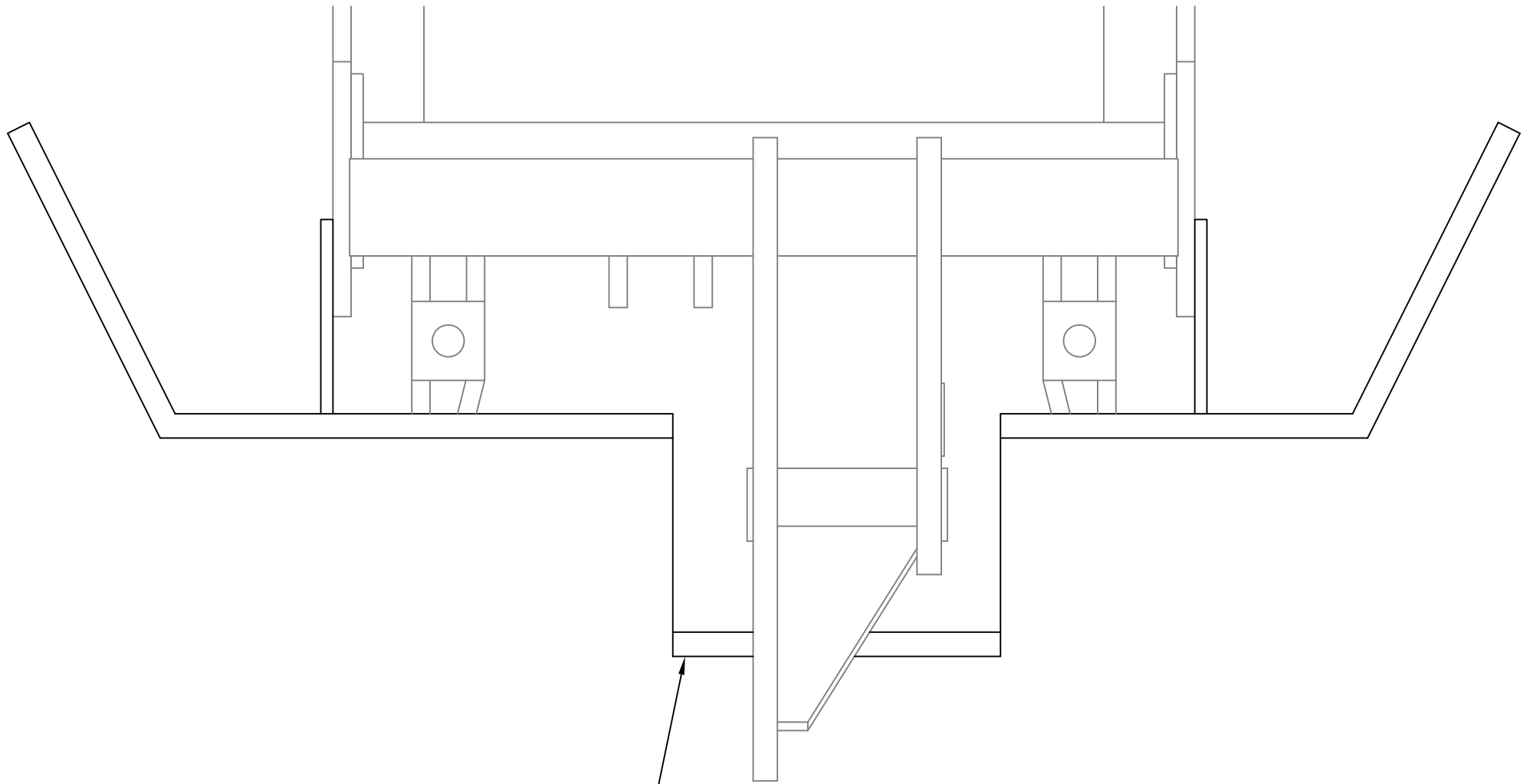


NOTES:

- A. CENTER SUPPORT RADIUS OF SUPPORT "A" SHALL BE IN DIRECT LINE WITH PLOW PUSH BAR.
- B. SUPPORT "A" SHALL HAVE 0.25" THICK PLATES ON TOP AND BOTTOM.
- C. PLOW PINS SHALL BE ATTACHED WITH CHAIN TO PLOW FRAME.

* VARIABLE WIDTH ASSEMBLY, CHECK CHASSIS FRAME RAIL WIDTH *
 ALL FINAL DIMENSIONS AND ANGLES SHALL BE VERIFIED THROUGH FIELD VISITATION AND CORRESPONDENCE WITH THE FLEET MANAGEMENT DIVISION.

PA DEPARTMENT OF TRANSPORTATION					
REVISIONS			FRONT PLOW HITCH ASSEMBLY		
NO.	DATE	BY	DRAWN BY	SCALE	
1	04-27-15	GAW			
2	12-19-16	JJB	SWW	N/A	EQN-50
3	08-02-18	KBD	DATE 09-25-95	CHK'D BY WHM	SHEET 2 OF 4

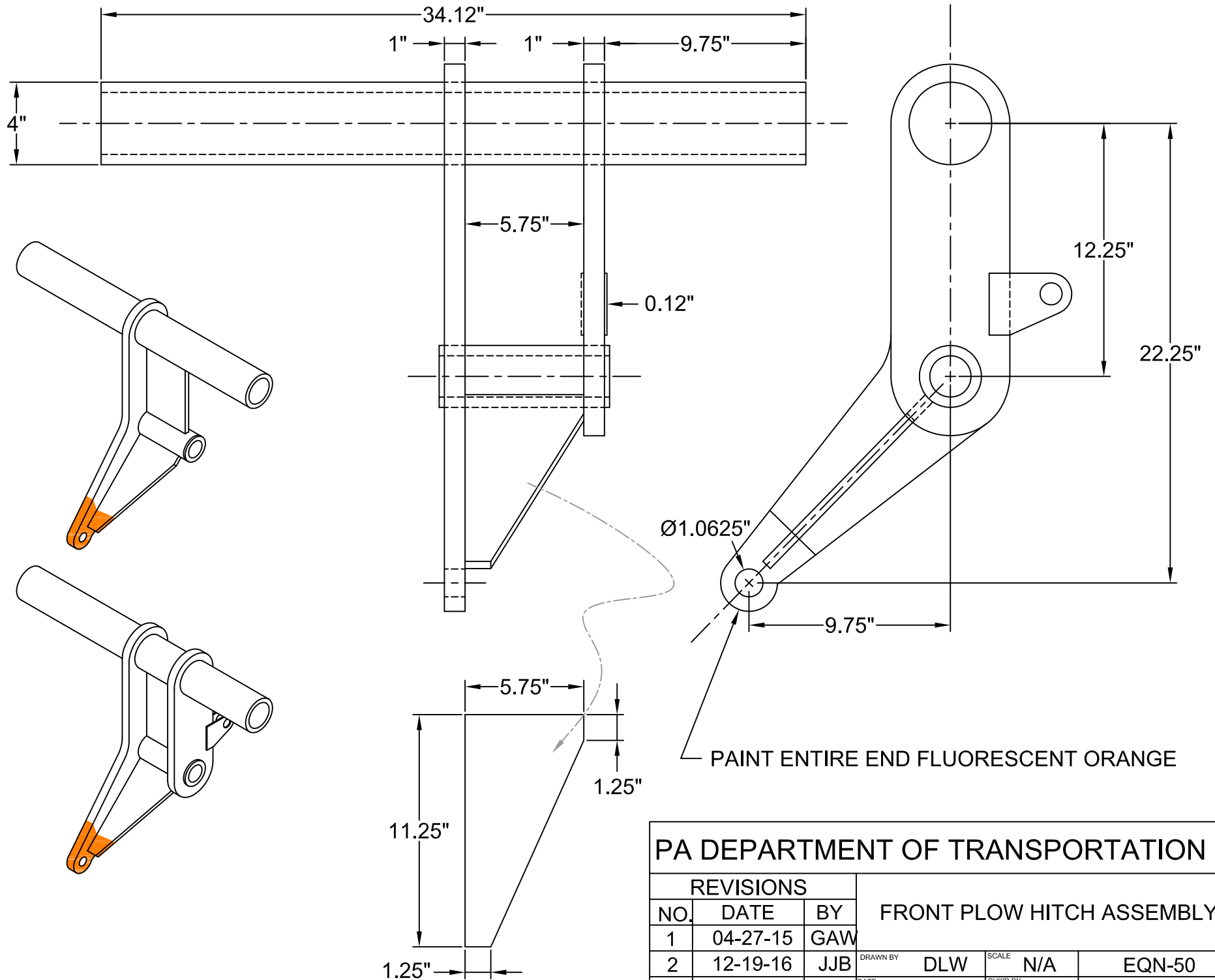


BUMPER SHALL EXTEND ACROSS THE ENTIRE FRONT OF TRUCK
 (NOTE: BUMPER EXTENDS AROUND PLOW CYLINDER)

ADDITIONAL BUMPER SUPPORTS SHALL BE FABRICATED AND
 INSTALLED TO INSURE BUMPER RIGIDITY

PA DEPARTMENT OF TRANSPORTATION

REVISIONS			FRONT PLOW HITCH ASSEMBLY			
NO.	DATE	BY				
1	04-27-15	GAW				
2	12-19-16	JJB	DRAWN BY	WHM	SCALE	N/A
3	08-02-18	KBD	DATE	11-05-95	CHK'D BY	WHM
			EQN-50			
			SHEET 3 OF 4			



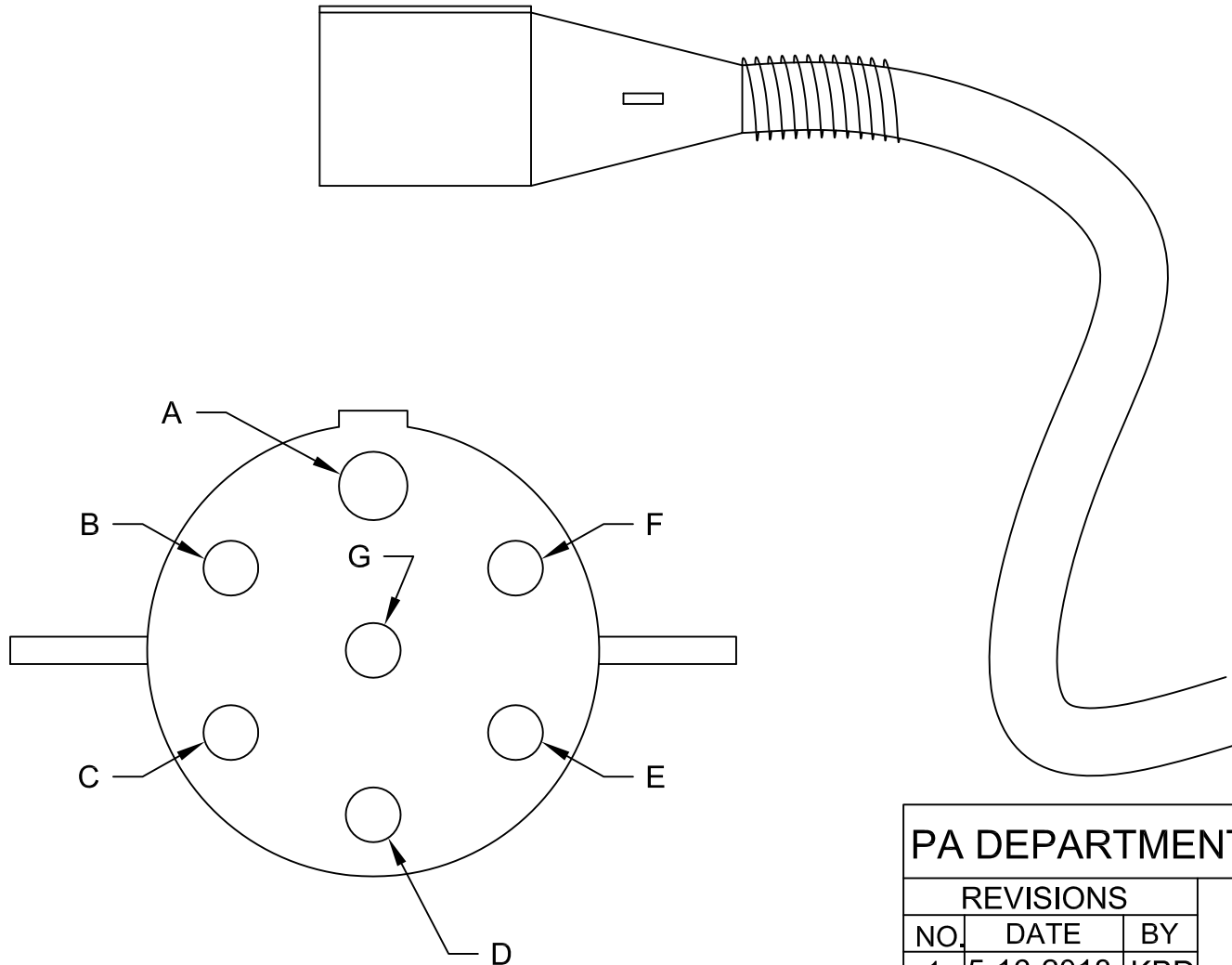
PA DEPARTMENT OF TRANSPORTATION						
REVISIONS			FRONT PLOW HITCH ASSEMBLY			
NO.	DATE	BY	DRAWN BY	SCALE		
1	04-27-15	GAW				
2	12-19-16	JJB	DLW	N/A	EQN-50	
3	08-02-18	KBD	DATE 01-05-95	CHK'D BY WHM	SHEET 4 OF 4	

NOTES:

To extend 8ft. beyond pintle.

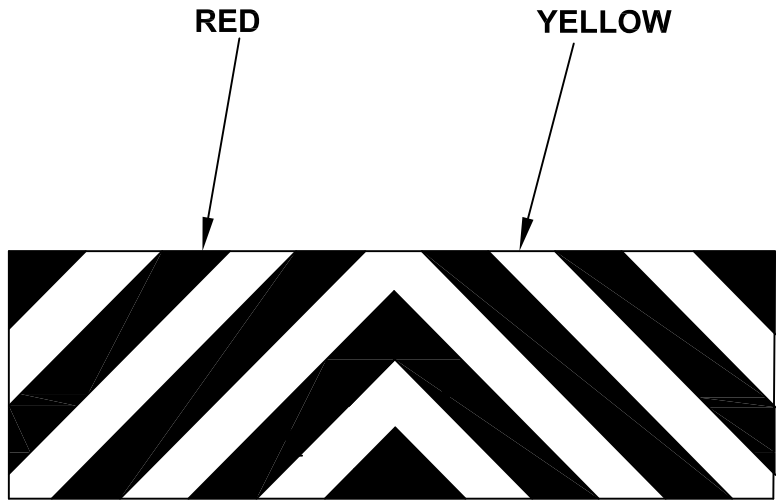
WIRING NOTES:

- A. WHITE: GROUND - 10
- B. BLACK: MARKER - 12
- C. YELLOW: LEFT TURN & BRAKE - 12
- D. RED: STOP / BRAKE - 12
- E. GREEN: RIGHT TURN & BRAKE - 12
- F. BROWN: TAIL - 12
- G. BLUE: ABS - 12



PA DEPARTMENT OF TRANSPORTATION

REVISIONS			WIRING DIAGRAM / 7 WAY ROUND PIN MALE CONNECTOR		
NO.	DATE	BY	DRAWN BY	SCALE	
1	5-16-2018	KBD	JJB	N/A	EQN-80B
2					
3			DATE 08-02-16	CHK'D BY	SHEET 1 OF 1



REAR BUMPER STRIPING

THE REAR BUMPER SHALL BE STRIPED AS SHOWN WITH 8" WIDE ALTERNATING RED/YELLOW BANDS CREATING A CHEVRON (INVERTED V) AT 45 DEGREE ANGLES, ACROSS THE BUMPER TO SERVE AS A SAFETY WARNING SYSTEM. TAPE SHALL BE REFLEXITE DAYBRIGHT V92 CONSPICUITY SHEETING. RED - SRHI4R, YELLOW - SRHI4Y. TWO 4" SHEETS CAN BE COMBINED TO EQUAL THE 8" REQUIREMENT.

THIS VEHICLE SHALL COMPLY WITH THE RULES OF THE NATIONAL HIGHWAY TRAFFIC SAFETY ADMINISTRATION (NHTSA). THE MOST CURRENT REGULATIONS SHALL BE ADHERED TO.

PA DEPARTMENT OF TRANSPORTATION					
REVISIONS			REAR BUMPER REFLECTIVE SHEETING		
NO.	DATE	BY	<small>DRAWN BY</small>	<small>SCALE</small>	
1			TOD	N/A	EQN-122 A
2			<small>DATE</small>	<small>CHK'D BY</small>	
3	04-09-12		TOD		SHEET 1

THIS VEHICLE SHALL COMPLY WITH THE RULES OF THE NATIONAL HIGHWAY TRAFFIC SAFETY ADMINISTRATION (NHTSA) IN THAT:

THE MOUNTING HEIGHT OF THE HORIZONTAL STRIPES ARE RESTRICTED TO THE SAME HEIGHT AS OTHER RETROFLECTIVE DEVICES CURRENTLY REQUIRED BY STANDARD NUMBER 108. THE CENTER OF THE MATERIAL MUST NOT BE LESS THAN 15in. ABOVE THE ROAD SURFACE, AND THE UPPER EDGE NOT MORE THAN 60in. ABOVE IT.

REFLECTIVE MATERIAL SHALL BE APPLIED TO THE HORIZONTAL BAR OF THE REAR UNDERRIDE DEVICE IN ADDITION TO THE FLOOR LEVEL HORIZONTAL STRIPE. THE UPPER CORNERS ARE TO BE MARKED BY TWO 90 DEGREE ANGLE BRACKETS OF WHITE STRIPES 12in. BY TWO INCHES WIDE, INDICATING THE WIDTH AND HEIGHT OF THE TRAILER.

THE CONFIGURATION SHALL IDENTIFY THE VEHICLE AS TO ITS ESTIMATED SIZE AND THE CLOSEING DISTANCE TO IT. THE DISTRIBUTION OF SPACES AND MATERIALS SHALL BE AS UNIFORM AS PRACTICAL AND INDICATE THE FULL LENGTH AND WIDTH OF THE VEHICLE. THE COLORS SHALL BE PLACED IN ALTERNATING SEQUENCE WITH MORE THAN TWO-THIRDS OF THE MATERIAL IN COLOR.

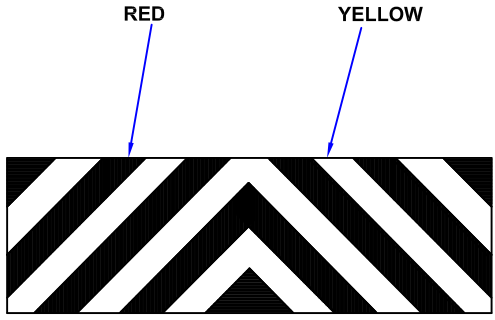
CONSPICUITY TAPE SHALL BE REFLECTORIZED. 2in. WIDE, MATERIAL SHALL BE APPLIED. MATERIAL SHALL BE RED/SILVER CONTINUOUS BACKING REFLEXITE CONSPICUITY II SYSTEM OR 3M SCOTCHLITE CONSPICUITY SHEETING SERIES 980.

THE MOST CURRENT REGULATIONS SHALL BE ADHERED TO.

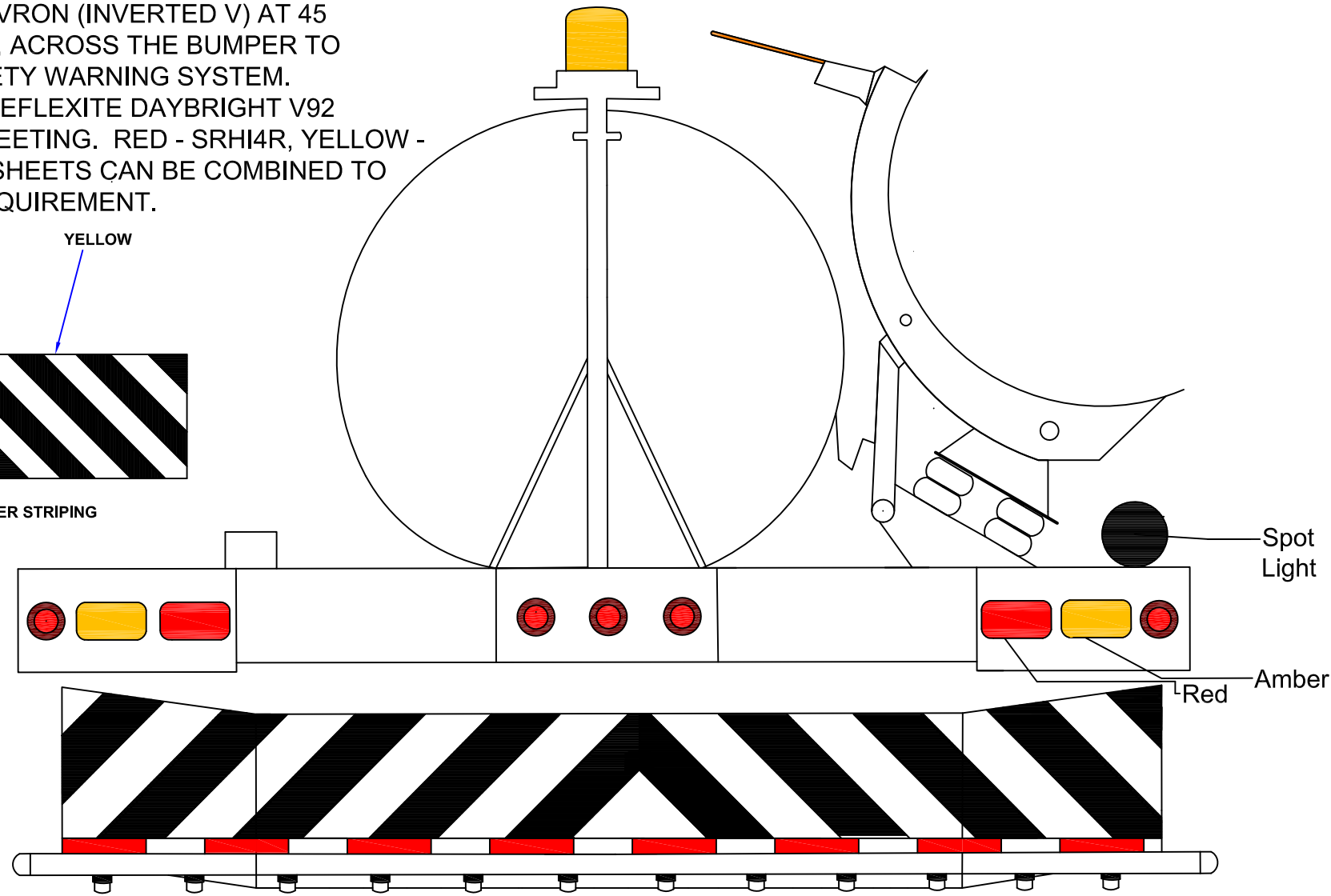
PA DEPARTMENT OF TRANSPORTATION					
REVISIONS			CONSPICUITY TAPE STRIPING REQUIREMENTS		
NO.	DATE	BY			
1	05-16-02	DWG			
2	11-03-06	CJW	<small>DRAWN BY</small> DLW	<small>SCALE</small> N/A	EQN-127A
3	01-02-09	MHH	<small>DATE</small> 11-07-97	<small>CHK'D BY</small> DMA	SHEET 1 OF 1

Rear View

THE REAR BUMPER SHALL BE STRIPED AS SHOWN WITH 8" WIDE ALTERNATING RED/YELLOW BANDS CREATING A CHEVRON (INVERTED V) AT 45 DEGREE ANGLES, ACROSS THE BUMPER TO SERVE AS A SAFETY WARNING SYSTEM. TAPE SHALL BE REFLEXITE DAYBRIGHT V92 CONSPICUITY SHEETING. RED - SRHI4R, YELLOW - SRHI4Y. TWO 4" SHEETS CAN BE COMBINED TO EQUAL THE 8" REQUIREMENT.

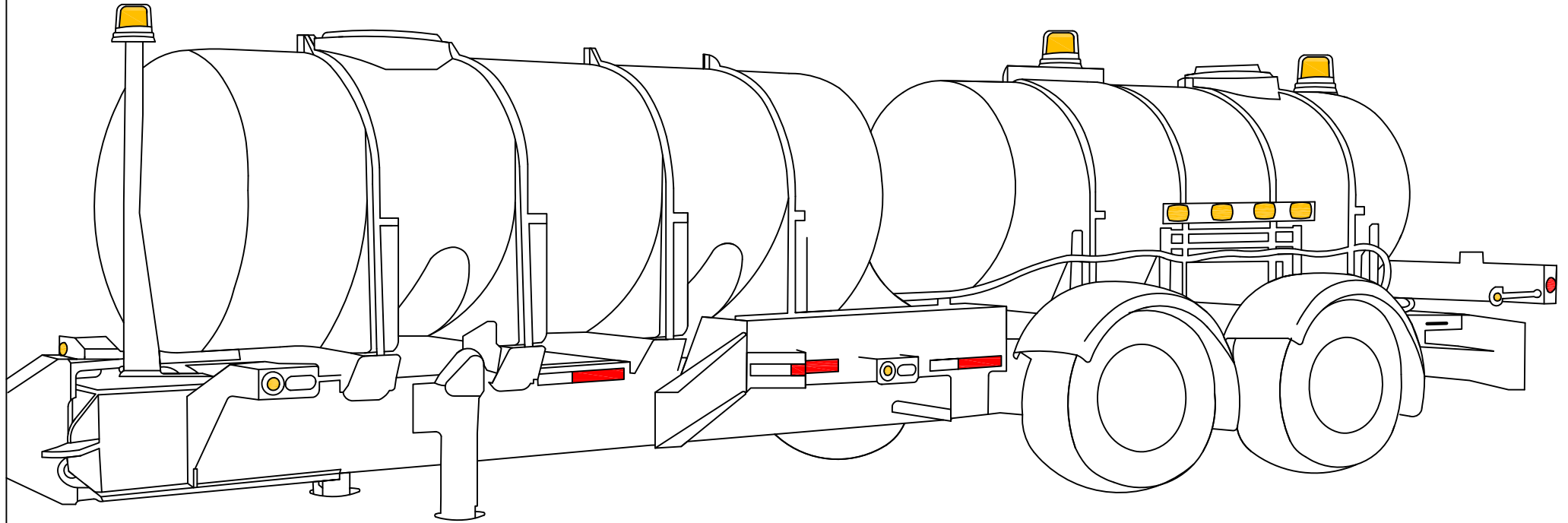


REAR BUMPER STRIPING



THIS VEHICLE SHALL COMPLY WITH THE RULES OF THE NATIONAL HIGHWAY TRAFFIC SAFETY ADMINISTRATION (NHTSA). THE MOST CURRENT REGULATIONS SHALL BE ADHERED TO.

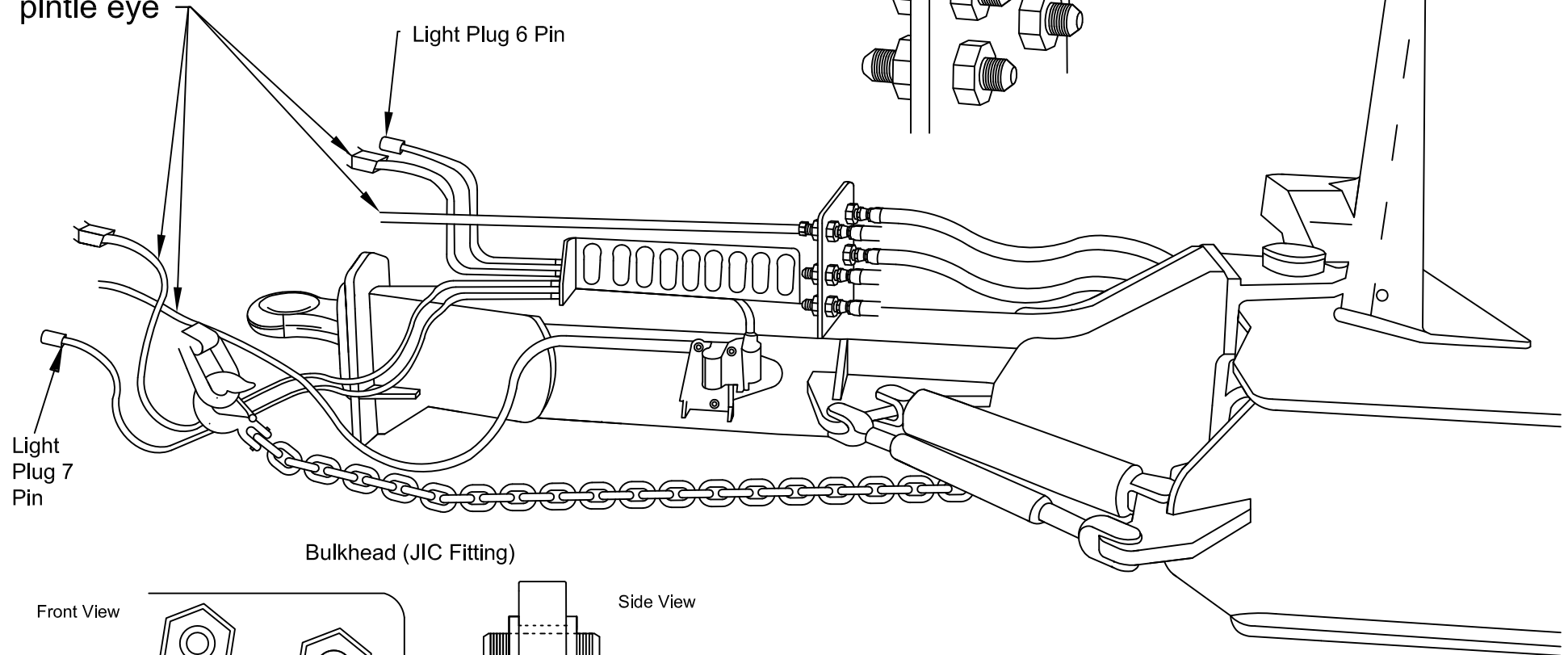
PA DEPARTMENT OF TRANSPORTATION					
REVISIONS			Tow Plow Rear View		
NO.	DATE	BY	DRAWN BY	Combined With	
1	08-02-19	KBD	KBD		EQN-1081A
2			DATE	CHK'D BY	Scale
3			07-26-18		



PA DEPARTMENT OF TRANSPORTATION					
REVISIONS			Tow Plow Left Side		
NO.	DATE	BY			
1	08-02-19	KBD			
2			DRAWN BY	Combined With	EQN-1081A
3			DATE	CHK'D BY	
			07-26-18		Sheet 2 OF 3

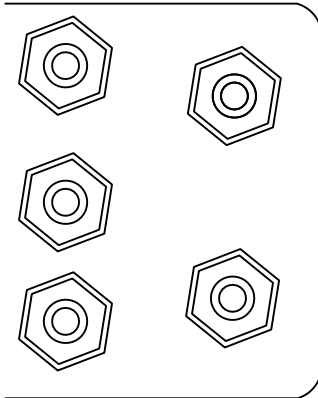
Note:

All hydraulic lines, electrical cords and safety chains to extend 3 feet beyond pintle eye

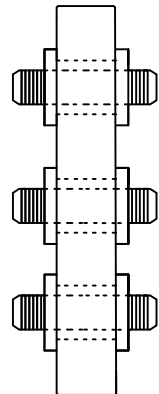


Bulkhead (JIC Fitting)

Front View



Side View

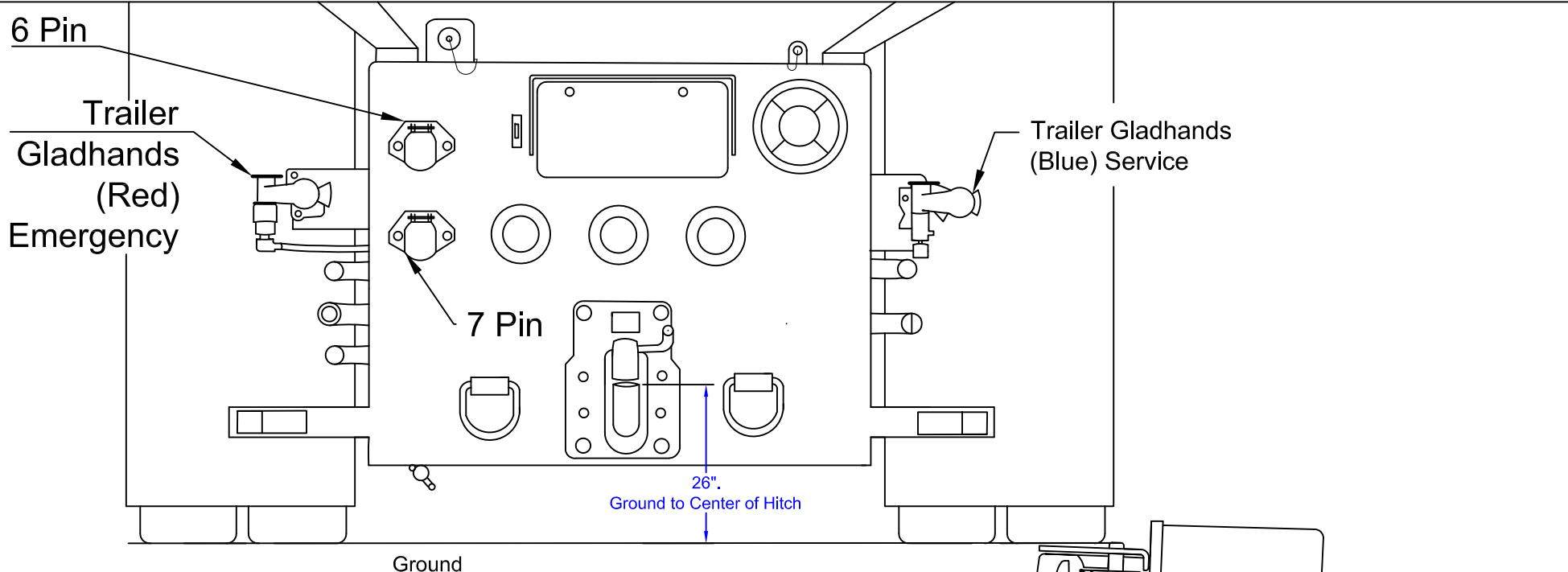


PA DEPARTMENT OF TRANSPORTATION

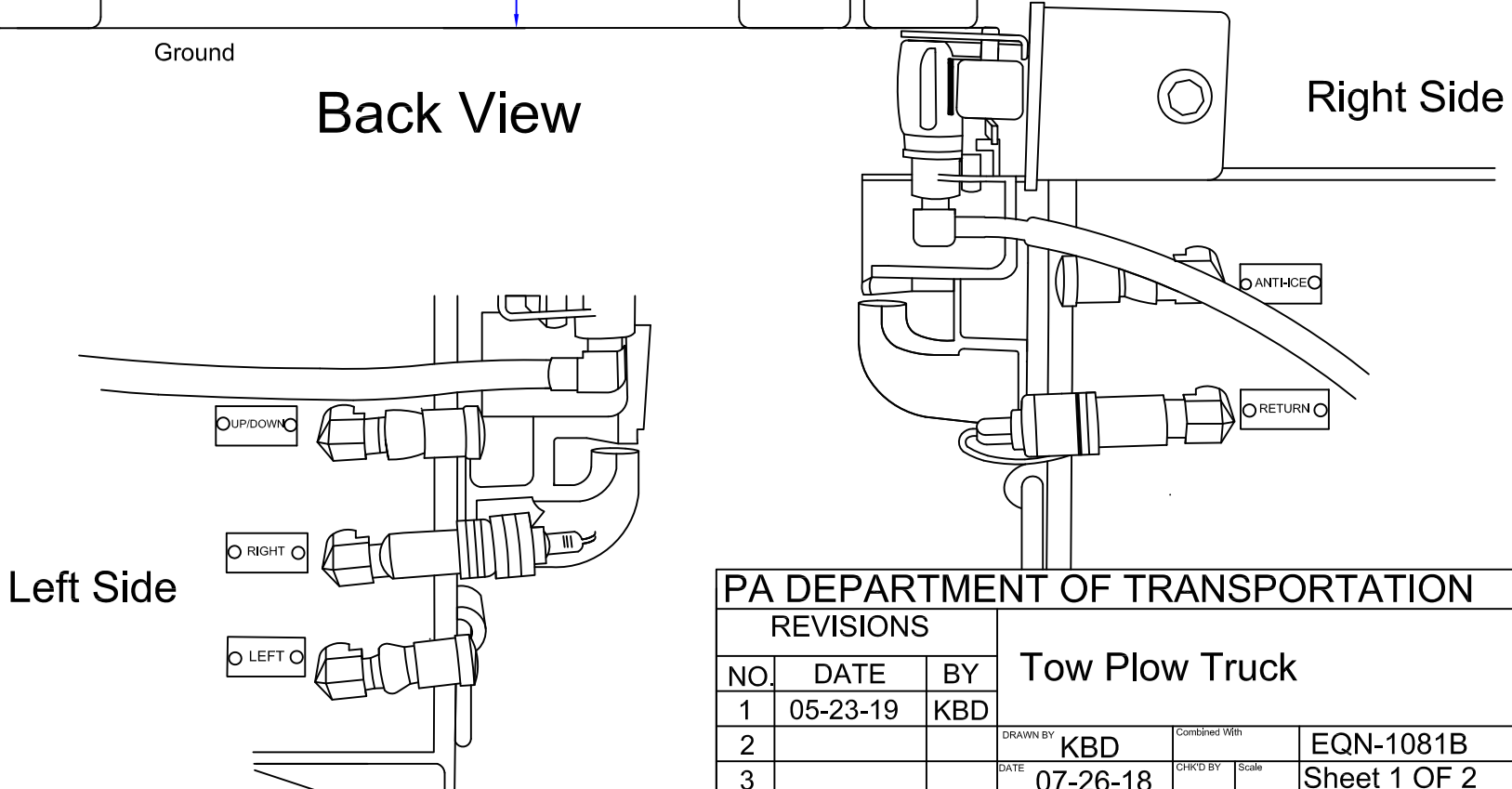
REVISIONS

Tow Plow Hitch Left Side

NO.	DATE	BY			
1	08-02-19	KBD			
2			DRAWN BY	Combined With	EQN-1081A
3			DATE	CHK'D BY	Scale
			07-26-18		



Back View



PA DEPARTMENT OF TRANSPORTATION				
REVISIONS			Tow Plow Truck	
NO.	DATE	BY		
1	05-23-19	KBD		
2			DRAWN BY KBD	Combined With EQN-1081B
3			DATE 07-26-18	CHK'D BY Scale Sheet 1 OF 2

**PENNDOT Specification for Snow Plows
Large, Small and Towed**

NOTE: Pennsylvania Department of General Services, PCID No. 1075, "*General Requirements for Bidding PennDOT Vehicles/Equipment*", most current version effective at the time and date of bid opening, is included as a part of this specification. PCID No. 1075 may be reviewed and downloaded from the Department of General Services website, <http://www.dgs.state.pa.us>. Delivery as required per Department of General Service PCID NO. 1075 Section "G". All units must be delivered at ground level within **120** days after receipt of the purchase order by the successful bidder.

The unit shall meet this specification, be a current production model, new and complete.

The unit shall be complete with all equipment required for immediate operation to function as stated in this specification, and the unit must meet all applicable codes and standards.

Any deviations to the specification must be granted in writing by the Chief of the Specification Section. It shall be understood that any discrepancies/deviations between the specification and the completed unit(s), OEM, Vendor or up-fitter related, must be addressed and corrected prior to the delivery deadline and the Departments acceptances.

It shall be the sole responsibility of the successful vendor to ensure compatibility with the Department's dump truck. The vendor shall, prior to bid, inspect the Department's dump truck plow frame and wing mounting to ensure this compatibility. For contact the Fleet Management Division at 717-783-2371.

It is understood that the components specified are minimum and if the unit's manufacturer's Engineering Department recommends or deems necessary, a larger component, the burden of responsibility is hereby placed upon the Manufacturer's Engineering Department to supply a unit that is totally engineered.

Each unit shall bear the manufacturer's model number, serial number and date of manufacture with a non-rusting metal tag, properly affixed.

Paper work provided by manufacturer, vendor or carrier company at time of equipment delivery for signature will only be signed for verification of delivery. Signature will not endorse delivered equipment is free of defects or verification that equipment meets specification/quote. Acceptance of equipment is pending through inspection, with equipment meeting the specification/quote. Paper work will not be submitted for payment until all deficiencies are corrected, prior to purchase order delivery deadline.

It shall be the sole responsibility of the successful vendor to ensure compatibility with the Department's tow plow equipped dump truck. The vendor shall, prior to bid, inspect the Department's dump truck to ensure this compatibility. For model of tow plow equipped dump truck and or location contact the Fleet Management Division at 717-783-2371.

MSO/ Certificate of Origin, and MV 1 to be supplied to the Department at time of delivery.

Paper work will not be submitted for payment until all deficiencies are corrected, prior to purchase order delivery deadline.

May 6, 2020 GAW

PennDOT Snow Plows

INTENT: Multiple Award Contract to purchase Snow Plows.

A. All Plows Specifications

1. Plow hitch shall be compatible with agency plow frame: EQN-34 and EQN-50
2. Paint: For PENNDOT Yellow, reference DuPont F9885, PPG 85246, Sherwin Williams 73266, and NAPA 73266.

The complete rear facing parts (moldboard and frame) of the plow must be painted with flat paint to reduce glare. It is acceptable to paint the entire plow with flat paint.

Pricing shall also be provided for manufacturer's standard yellow paint.

Safety: For the safety of oncoming traffic to make the centerline side of the plow noticeable. The centerline side of the plow shall be painted with a reflective paint to create a minimum (6") wide reflective strip running the full height of the moldboard including the mouse ear (if equipped), starting at the cutting edge. Poly equipped moldboards shall not be painted. They shall be constructed using high visibility Orange or Red in color material viewed from the front of the plow.

A reflective conspicuity style material "Yellow" strip shall be applied to the metal strip attaching the rubber snow deflector, full width, excluding the bolt holes. If snow deflector metal is not present on model a metal strip shall be added to the top of the moldboard to affix the reflective tape. Ref. 3M 983-71 YELLOW

3. Snow deflector shall be mounted to the top edge of moldboard: EQN 37B
4. Highly visible left and right snow plow guides shall be supplied. (Reference part no. Buyers B2036 or Signs and Safety Equipment SPT-36).
5. Plow to lift swivel, type shall depend on type of plow delivered. Reference: EQN-39 and EQN-43 or prior approved manufactures standard.
6. A cadmium plated lift chain shall be supplied: .438in/1.113cm size and 10ft./3.048m to 13ft./3.9264m long as required for the various types of plows supplied.
7. A lifting bail shall be supplied to handle the plow in a balanced manner when unloading or moving.
8. Plow numbers shall be welded on plow before priming and painting. Manufacture to supply serial number(s) at receipt of the purchase order. The Department will then forward equipment numbers to the vendor. Contact the Fleet Management Division at 717-787-1567.
9. All plows shall be tagged with a non-rusting metallic tag containing the manufacture serial number, model number and weight, and be affixed to the plow on the upper right backside of the plow as viewed from the rear.
10. All plows shall work in conjunction with Pa-DOT wing plows.
11. Manufactures plow circle / frame adjustable height shoes will not be installed from manufacture as standard equipment. (See options available)

Option: If requested lines 5 and 6, plow shall be supplied with a non-rusting lifting cable and pulley swivel. Lifting cable and pulley swivel shall be properly sized to load weight rating to handle weight of plow in an elevated position for extended periods of time. Pulley swivel shall be grooved to accommodate cable diameter. Pulley swivel pin and clevis shall meet the same dimension to fit the low hoist ram. Ref. EQN-39 and EQN-43.

B. All Plows Specifications (continued)

For Worm drive/cylinder angle reversible and South Dakota PA-DOT Spec'd Plows the following shall include;

1. Four (4) foot long hoses, hydraulic quick couplers, one (1) male and one (1) female, Aeroquip 5100 series.
2. Angling cylinders shall be double acting with cushion valve (cross port relief) to protect the cylinders and a counter-balance valve 3/8"SAE port installed on the plow. Reference Gresen LOAD6.

Option: Plow Blades (Only available from this contract when plow(s) are initially purchased)

1. Standard reversible carbide blade equipped with moldboard shoes.
2. JOMA 6000 plow blades with JOMA 6000 attachment components including clamp bar and Winter Equipment Company style backer blades equipped with carbide inserts.
3. Kueper Blades, Tuca SX Wave.
4. Kueper Blades, GK5.

Option: Plow Frame Wear Shoe (Only available from this contract when plow(s) initially are purchased)

1. Adjustable height wear shoe.
2. Adjustable height caster wheel type.

Option: All other optional equipment items and attachments from OEM or Aftermarket, are to be provided on a (discount from list price) basis.

NOTE: Delivery will be direct to the County ordering the unit. Freight will be a separate line item at time of quote. Delivery will be 120 days from receipt of purchase order. (Reference "Specifications Part 1", Page 3 of 4, Section titled "Shipping").

PennDOT Snow Plows

INTENT: Multiple Award Contract to purchase 7 1/2', 8', 8 1/2', 9' and 9 1/2' V and straight blade power angle snow plows for 1/2 ton, 3/4 ton 1 ton and 14,000-17,000 Lb. pickup trucks. Ref. Western and SnowDogg.

Price for a complete snow plow package shall include installation and hardware.

Delivery will be 120 days from receipt of purchase order.

A. BLADE ASSEMBLY:

Moldboard: shall be a minimum 14 Ga. thickness steel or stainless steel with formed upper edge. Composite moldboards will not be accepted.

Cutting Edge: shall be replaceable high carbon steel, attached with minimum grade 5 carriage bolts and nuts.

Shoes: shall be full rotation, ductile iron and field adjustable. Shoe brackets shall be welded or bolted to vertical ribs.

Trip & Absorbers: shall be full blade, moldboard trip with shock absorbers.

Blade Guides: shall be highly visible orange, replaceable on both sides.

Moldboard Snow Deflector: shall be supplied full width.

B. A-FRAME:

Lift Chains: shall be minimum 1/4 inch grade 43 high test. Frame: shall allow moldboard to pivot and follow surface contour.

C. LIFT FRAME & MOUNT:

Chassis Mount: shall meet federal and state vehicle safety standards by compliance and vehicle manufacturing approval. Mount shall be attached with a minimum grade 5 fasteners.

Removable Lift Frame: shall have provisions for a front mounted self-contained hydraulic motor, reservoir and pump. Electric solenoid activated and detachable with lift frame. Shall have stands for dismounting. Shall not obstruct hood latch.

Lights: standard low/high beam headlight with turn signals. Headlights and turn signals shall automatically activate when plow harness is connected to truck.

A lifting bail shall be supplied to handle the plow in a balanced manner when unloading or moving.

D. PLOW CONTROL:

Manufactures standard plug in hand held controller with dash mount.

OPTION: Pricing shall be included for plow and frame mount only, less the pump for a truck already equipped with hydraulic system and controller. It shall be the vendor's responsibility to confirm compatibility with the department's controller. A wiring harness shall be made available for purchase to make the plow fully operational. Ref. Cirus and Lancaster Truck bodies.

E. PAINT PREPARATION:

All corners shall be angled or rounded for safety prior to painting.

Complete plow and frame shall be shot blasted and cleaned with phosphate solution prior to epoxy primer and powder coating. Not applicable to stainless steel.

Paint Color: manufacturer's standard paint color

Stainless steel need not be painted.

F. IDENTIFICATION:

Plow Numbers: shall be welded on plow before priming and painting. Manufacture to supply serial number(s) at receipt of the purchase order. The Department will then forward equipment numbers to the vendor. Contact the Fleet Management Division at 717-787-1567.

All plows shall be tagged with a non-rusting metallic tag containing the manufacture serial number, model number and weight, and be affixed to the plow on the upper right backside of the plow as viewed from the rear.

G. Install: hourly labor rate to install 7 1/2', 8', 8 1/2', 9' & 9 1/2' plows to existing department owned trucks.

Option: All other optional equipment items and attachments from OEM or Aftermarket, are to be provided on a (discount from list price) basis.

PennDOT Snow Plows

022951 PLOW, TOWED, TRAILER, W/ANTI-ICING

022956 PLOW, TOWED, TRAILER, STAINLESS STEEL HOPPER, W/GRANULAR, PRE-WET

A. Intent Statement:

The purpose of these specifications is to describe an anti-ice or granular equipped tow plow to couple to the Department's tow plow equipped dump truck capable. It must be capable of plowing a single roadway with a clearing path minimum of 14 feet while applying liquid anti-ice (salt brine) and or granular material. Tow plow shall deploy to the right side. All functions shall be controlled within the cab from the central hydraulic system. Ref. Viking Cives.

It shall be the sole responsibility of the successful vendor to ensure compatibility with the Department's tow plow equipped dump truck. The vendor shall, prior to bid, inspect the Department's dump truck to ensure this compatibility. For model of tow plow equipped dump truck and or location contact the Fleet Management Division at 717-783-2371.

MSO/ Certificate of Origin, and MV 1 to be supplied to the Department at time of delivery.

Manufacturer standard tow plow with the following requirement:

B. Tow Plow Options:

1. Anti-Ice Components:

Anti-icing, two (2) 1025-gallon polymer brine tanks. OEM Pump shall be driven hydraulically via a love joy connection. Hydraulic motor / pump assembly shall be housed in a NEMA enclosure large enough to facilitate servicing of unit, an electronic flow meter shall be installed to properly calibrate prewet. There shall be a low-level switch to automatically shut down the prewet motor when empty and an indicator to the operator shall be supplied. Anti-icing system shall have a flush kit, installed complete with flush tank, minimum 10 gallon and a garden hose connection.

2. Granular Components:

Hopper Sander, 304L Stainless Steel hopper construction. Any metal lines used for the hopper hydraulic plumbing shall be stainless steel, hydraulic conveyor motor with sensor. Conveyor Motor shall be White Hydraulics: Model RE (no substitution), with a 50-pulse auger motor sensor installed. Kit # W80509. 225 gal. Poly pre-wet tank installed on tow plow with OEM pump and hydraulic motor plumbing and spray nozzles. Flush kit, tank, minimum 10 gallon and a garden hose adapter.

C. Hitch Components:

Pintle eye shall be set at 26-inch from ground to center of eye, with trailer set level.

Hydraulic hoses shall extend 3 feet past pintle eye with connection to bulkhead fittings in middle of trailer tongue, Ref. EQN-1081, sheet 7 of 7 for truck coupler connections.

OEM/Up fitting vendor shall have complete wiring harness connection installed ready to hook to tow plow equipped dump truck with a Certified Cirus XDS or SpreadSmart RX controller connection. Tow plow shall be a complete turn key unit ready to operate once connection is made to dump truck. For harness and connection contact Frank Macalik 717-417-3397 at Certified Cirus.

PennDOT Snow Plows

D. Lighting Requirement:

There shall be a Truck-Lite Model# 36140C LED license plate light with light bracket PN# 36710 installed with license plate bracket.

All lighting shall be Whelen L.E.D.'s:

Amber markers 2-inch round PN# 01-02634898A90

Red markers 2-inch round PN# 01-02634898R90

1 - Flood light PAR36 PN# 01-066C579-30C

3 - Round L.E.D. Beacon PN# 01-0685953-AFG

2 - M6AD Amber warning 01-066A797-A1J, rear bumper

4 - M6AD Amber warning 01-066A797-A2J left side rear

2 - M6BTTD PN# 01-066B1866R1J

Whelen light package, (2) M6BTTD on rear (stop turn tail), (2) Amber Warning PN# 01-066A797-A1J on rear (yellow warning) and (4) Amber Warning PN# 01-066A797-A2J strategically placed on left side to face rearward when in plowing mode. Manufacture to provide wiring harness, shall be Grote, Trucklite, or pre-approved equal. Ref. EQN-1081

The above Whelen lights are supplied with male and female Deutsch connectors that shall be utilized to connect the vendor supplied harness to each light source.

Light plugs shall be seven (7) round pin type and seven (7) round pin type with holders Ref. EQN-80B & EQN-1081, sheet 7 of 7 for location of truck plug connections.

There shall be no splices outside of a sealed box or fixture. 3M Scotch-Lok type connectors will not be accepted.

A color-coded electrical wiring chart and schematic shall accompany each unit.

E. Plow Blade Components:

Plow cutting edge shall be supplied with Joma 6000 blades with JOMA 6000 attachment components including clamp bar, with Winter Equipment Company style backer blade equipped with carbide inserts.

F. Paint:

Tow plow shall be galvanized, entire unit except for glass, plastic, rubber and metallic accessories or fixtures constructed of rust-resistant or plated material not normally painted.

Conspicuity Reflective Sheeting required on the rear bumper, Orafol America Inc. Red SRHI4R PN# 18716 and Yellow SRHI4Y PN# 18836 VC 312. Ref. EQN-1081.

Unit shall have reflective enhancement per EQN-127A.

G. Safety:

Manufactures standard safety devices required for transport/operation shall be supplied.

Manufactures standard safety decals displayed on the attachment.

H. Wheels & Tires:

Wheels: 22.5 x 12.25, 10 hole - 285.75mm bolt circle with 220mm bore, tubeless steel disc wheel rated at 10,500 LBS at a maximum inflation pressure of 120 PSIG. Accuride part number 29807. **(No substitute, standardization).**

Wheel-Guard Separators: The wheel ends shall be equipped with the Accuride part number 5903 Wheel Guard Separator, between the wheel and the brake drum.

Paint: The wheels shall be topcoat painted with TGIC Polyester Powder Paint MLD-82008 High Gloss Gray or equal applied over Cathodic Electro-Disposition Gray Primer.

Tires: 385/65R22.5 (Load Range J) shall be mud/snow tread. All tires shall be radials and have minimum 25/32 thread depth. Acceptable tire manufacturers Goodyear, Michelin and Bridgestone.

PennDOT Snow Plows

II. DRAWINGS:

DRAWINGS:

EQN 16A	07-29-15	2 sheets	STEEL CUTTING EDGES FOR SNOW PLOWS	
EQN 16D	06-14-07	1 sheet	STEEL COVER BLADES FOR CARBIDE CUTTING EDGES	
EQN-16F	06-14-07	1 sheet	STEEL COVER BLADES FOR CARBIDE CUTTING EDGES	
EQN-16G	06/24/13	1 sheet	JOMA 6000 CUTTING BLADE.	
EQN-34	09/18/07	10 sheets	REVERSIBLE PLOW (50" X 144" & 42" X 132"	
EQN-34-A	06/23/15	5 sheets	REVERSIBLE PLOW 42" X 11' CASTOR ASSEMBLY	
EQN-37	04/11/07	12 sheets	ONE WAY PLOW OVERVIEW, SEVERE DUTY, TRIP TYPE, 721B, 712, 721, AND 731.	
EQN-37B	06/12/07	1 sheet	SNOW PLOW SNOW DEFLECTOR SPECIFICATION	
EQN- 39	06/15/07	1 sheet	PLOW HITCH TO SWIVEL SPECIFICATIONS	
EQN- 43	06/22/07	1 sheet	PLOW TO HITCH SWIVEL SLIDING SPECIFICATIONS	
EQN-50	08-02-18	4 sheets	LOW PROFILE FRONT PLOW HITCH SPECIFICATIONS	
EQN-80B	dated	Rev. 05-16-18	1 sheet	7 WAY POUND PIN MALE CONNECTOR
EQN-122A	dated	Rev. 04-09-12	1 sheets	REAR BUMPER REFLECTIVE SHEETING
EQN-127A	dated	Rev. 01-02-09	1 sheet	CONSPICUITY TAPE STRIPING REQUIREMENT
EQN-1081A	dated	Rev. 08-02-19	3 sheets	TOW PLOW GENERAL REQUIREMENTS
EQN-1081B	dated	Rev. 07-26-18	1 sheet	TOW PLOW TRUCK

The above referenced drawings shall become part of these specifications.

These drawings reflect the intent of the Department and any discrepancies shall be resolved at the line setting ticket meeting between the vendor and the Fleet Management Division Specifications Chief, or the pre-production inspection of the unit.

PennDOT Snow Plows

III. MANUALS:

The successful vendor shall furnish all applicable manuals per unit:

- 1 Operators
- 1 Parts
- 1 Service
- 1 Body and Sub-frame (Parts and Service)
- 1 Complete set of manuals for any additional items/equipment added to a piece of equipment.

The manuals listed shall be official O.E.M. publications supplemented with technical manuals for all components as published by sub-vendors/manufacturers.

Parts Manual presented must be relative to "all" items utilized to build this unit(s), with appropriate part numbers.

Delivery of these paper manuals shall be completed at time of delivery of each unit along with an electronic form of each manual on a USB thumb drive in Adobe PDF format.

IV. WARRANTY: Per **PCID No. 1075**

Warranty period shall begin with the date the receiving county takes possession of the completed unit.

SPECIFICATIONS

022951 PLOW, TOWED, TRAILER, W/ANTI-ICING

022956 PLOW, TOWED, TRAILER, STAINLESS STEEL HOPPER, W/GRANULAR, PRE-WET
B47

I. GENERAL SPECIFICATIONS:

- A. Intent Statement
- B. Components Pre-wet or Granular with Pre-wet Configuration
- C. Hitch Components
- D. Lighting Requirement
- E. Plow Blade Requirement
- F. Paint
- G. Safety
- H. Wheels & Tires

II. DRAWINGS

III. MANUALS

IV. WARRANTY

July 20, 2020

SPECIFICATIONS

022951 PLOW, TOWED, TRAILER, W/ANTI-ICING

022956 PLOW, TOWED, TRAILER, STAINLESS STEEL HOPPER, W/GRANULAR, PRE-WET
B47I. GENERAL SPECIFICATIONS:

A. Intent Statement

NOTE: Pennsylvania Department of General Services, PCID No. 1075, "*General Requirements for Bidding PennDOT Vehicles/Equipment*", most current version effective at the time and date of bid opening, is included as a part of this specification. PCID No. 1075 may be reviewed and downloaded from the Department of General Services website, <http://www.dgs.state.pa.us>. Delivery as required per Department of General Service PCID NO. 1075 Section "G". All units must be delivered at ground level within **120** days after receipt of the purchase order by the successful bidder.

The purpose of these specifications is to describe an anti-ice or granular equipped tow plow to couple to the Departments tow plow equipped dump truck capable. It must be capable of plowing a single roadway with a clearing path minimum of 14 feet while applying liquid anti-ice (salt brine) and or granular material. Tow plow shall deploy to the right side. All functions shall be controlled within the cab from the central hydraulic system. Ref. Viking Cives.

The unit shall meet this specification, be a current production model, new and complete. The unit shall be complete (less towing vehicle) with all equipment required for immediate operation to function as stated in this specification, and the unit must meet all applicable codes and standards.

Any deviations to the specification must be granted in writing by the Chief of the Specification Section. It shall be understood that any discrepancies/deviations between the specification and the completed unit(s), chassis or body up-fitter related, must be addressed and corrected prior to the delivery deadline and the Departments acceptances.

It shall be the sole responsibility of the successful vendor to ensure compatibility with the Department's tow plow equipped dump truck. The vendor shall, prior to bid, inspect the Department's dump truck to ensure this compatibility. For model of tow plow equipped dump truck and or location contact the Fleet Management Division at 717-783-2371.

It is understood that the components specified are minimum and if the unit's manufacturer's Engineering Department recommends or deems necessary, a larger component, the burden of responsibility is hereby placed upon the Manufacturer's Engineering Department to supply a unit that is totally engineered.

Each unit shall bear the manufacturer's model number, serial number and date of manufacture with a non-rusting metal tag, properly affixed.

MSO/ Certificate of Origin, and MV 1 to be supplied to the Department at time of delivery.

Paper work provided by manufacturer, vendor or carrier company at time of equipment delivery for signature will only be signed for verification of delivery. Signature will not endorse delivered equipment is free of defects or verification that equipment meets specification/quote. Acceptance of equipment is pending through inspection, with equipment meeting the specification/quote. Paper work will not be submitted for payment until all deficiencies are corrected, prior to purchase order delivery deadline.

SPECIFICATIONS

022951 PLOW, TOWED, TRAILER, W/ANTI-ICING

022956 PLOW, TOWED, TRAILER, STAINLESS STEEL HOPPER, W/GRANULAR, PRE-WET

B47

I. GENERAL SPECIFICATIONS: (continued)

Manufacturer standard tow plow with the following requirement:

B. Tow Plow:1. Anti-Ice Components:

Anti-icing, two (2) 1025-gallon polymer brine tanks. OEM Pump shall be driven hydraulically via a love joy connection. Hydraulic motor / pump assembly shall be housed in a NEMA enclosure large enough to facilitate servicing of unit, an electronic flow meter shall be installed to properly calibrate prewet. There shall be a low-level switch to automatically shut down the prewet motor when empty and an indicator to the operator shall be supplied. Anti-icing system shall have a flush kit, installed complete with flush tank, minimum 10 gallon and a garden hose connection.

2. Granular Components:

Hopper Sander, 304L Stainless Steel hopper construction. Any metal lines used for the hopper hydraulic plumbing shall be stainless steel, hydraulic conveyor motor with sensor. Conveyor Motor shall be White Hydraulics: Model RE (no substitution), with a 50-pulse auger motor sensor installed. Kit # W80509. 225 gal. Poly pre-wet tank installed on tow plow with OEM pump and hydraulic motor plumbing and spray nozzles. Flush kit, tank, minimum 10 gallon and a garden hose adapter.

C. Hitch Components:

Pintle eye shall be set at 26-inch from ground to center of eye, with trailer set level.

Hydraulic hoses shall extend 3 feet past pintle eye with connection to bulkhead fittings in middle of trailer tongue, Ref. EQN-1081, sheet 7 of 7 for truck coupler connections.

OEM/Up fitting vendor shall have complete wiring harness connection installed ready to hook to tow plow equipped dump truck with a Certified Cirus XDS or SpreadSmart RX controller connection. Tow plow shall be a complete turn key unit ready to operate once connection is made to dump truck. For harness and connection contact Frank Macalik 717-417-3397 at Certified Cirus.

D. Lighting Requirement:

There shall be a Truck-Lite Model# 36140C LED license plate light with light bracket PN# 36710 installed with license plate bracket.

All lighting shall be Whelen L.E.D.'s:

Amber markers 2-inch round PN# 01-02634898A90

Red markers 2-inch round PN# 01-02634898R90

1 - Flood light PAR36 PN# 01-066C579-30C

3 - Round L.E.D. Beacon PN# 01-0685953-AFG

2 - M6AD Amber warning 01-066A797-A1J, rear bumper

4 - M6AD Amber warning 01-066A797-A2J left side rear

2 - M6BTDD PN# 01-066B1866R1J

Whelen light package, (2) M6BTDD on rear (stop turn tail), (2) Amber Warning PN# 01-066A797-A1J on rear (yellow warning) and (4) Amber Warning PN# 01-066A797-A2J strategically placed on left side to face rearward when in plowing mode. Manufacture to provide wiring harness, shall be Grote, Trucklite, or pre-approved equal. Ref. EQN-1081

The above Whelen lights are supplied with male and female Deutsch connectors that shall be utilized to connect the vendor supplied harness to each light source.

SPECIFICATIONS

022951 PLOW, TOWED, TRAILER, W/ANTI-ICING

022956 PLOW, TOWED, TRAILER, STAINLESS STEEL HOPPER, W/GRANULAR, PRE-WET

B47

I. GENERAL SPECIFICATIONS: (continued)D. Lighting Requirement: (continued)

Light plugs shall be seven (7) round pin type and seven (7) round pin type with holders Ref. EQN-80B & EQN-1081, sheet 7 of 7 for location of truck plug connections.

There shall be no splices outside of a sealed box or fixture. 3M Scotch-Lok type connectors will not be accepted.

A color-coded electrical wiring chart and schematic shall accompany each unit.

E. Plow Blade Components:

Plow cutting edge shall be supplied with Joma 6000 blades with JOMA 6000 attachment components including clamp bar, with Winter Equipment Company style backer blade equipped with carbide inserts.

F. Paint:

Tow plow shall be galvanized, entire unit except for glass, plastic, rubber and metallic accessories or fixtures constructed of rust-resistant or plated material not normally painted.

Conspicuity Reflective Sheeting required on the rear bumper, Orafol America Inc. Red SRHI4R PN# 18716 and Yellow SRHI4Y PN# 18836 VC 312. Ref. EQN-1081.

Unit shall have reflective enhancement per EQN-127A.

G. Safety:

Manufactures standard safety devices required for transport/operation shall be supplied.

Manufactures standard safety decals displayed on the attachment.

H. Wheels & Tires:

Wheels: 22.5 x 12.25, 10 hole - 285.75mm bolt circle with 220mm bore, tubeless steel disc wheel rated at 10,500 LBS at a maximum inflation pressure of 120 PSIG. Accuride part number 29807. **(No substitute, standardization).**

Wheel-Guard Separators: The wheel ends shall be equipped with the Accuride part number 5903 Wheel Guard Separator, between the wheel and the brake drum.

Paint: The wheels shall be topcoat painted with TGIC Polyester Powder Paint MLD-82008 High Gloss Gray or equal applied over Cathodic Electro-Disposition Gray Primer.

Tires: 385/65R22.5 (Load Range J) shall be mud/snow tread. All tires shall be radials and have minimum 25/32 thread depth. Acceptable tire manufacturers Goodyear, Michelin and Bridgestone.

SPECIFICATIONS

022951 PLOW, TOWED, TRAILER, W/ANTI-ICING

022956 PLOW, TOWED, TRAILER, STAINLESS STEEL HOPPER, W/GRANULAR, PRE-WET

B47

I. GENERAL SPECIFICATIONS: (continued)II. DRAWINGS:

EQN-80B	dated	Rev. 05-16-18	1 sheet	7 WAY POUND PIN MALE CONNECTOR
EQN-122A	dated	Rev. 04-09-12	1 sheets	REAR BUMPER REFLECTIVE SHEETING
EQN-127A	dated	Rev. 01-02-09	1 sheet	CONSPICUITY TAPE STRIPING REQUIREMENT
EQN-1081A	dated	Rev. 08-02-19	3 sheets	TOW PLOW GENERAL REQUIREMENTS
EQN-1081B	dated	Rev. 07-26-18	1 sheet	TOW PLOW TRUCK

The above referenced drawings shall become part of these specifications.

These drawings reflect the intent of the Department and any discrepancies shall be resolved at the line setting ticket meeting between the vendor and the Fleet Management Division Specifications Chief, or the pre-production inspection of the unit.

III. MANUALS:

The successful vendor shall furnish all applicable manuals per unit:

- 1 Operators
- 1 Parts
- 1 Service
- 1 Body and Sub-frame (Parts and Service)
- 1 Complete set of manuals for any additional items/equipment added to a piece of equipment.

The manuals listed shall be official O.E.M. publications supplemented with technical manuals for all components as published by sub-vendors/manufacturers.

Parts Manual presented must be relative to "all" items utilized to build this unit(s), with appropriate part numbers.

Delivery of these paper manuals shall be completed at time of delivery of each unit along with an electronic form of each manual on a USB thumb drive in Adobe PDF format.

IV. WARRANTY: Per **PCID No. 1075**

Warranty period shall begin with the date the receiving county takes possession of the completed unit.

SPECIFICATIONS – PART 1

AWARDS:

- Dump Truck Type Snow Plows and Alternate Snow Plows: This is a multiple-award action to be awarded on an OEM's plow by model basis (less cutting edge and shoes) with award being made to the low responsive, responsible bidder for any given OEM's (Original Equipment Manufacturer) model offered (less cutting edge and shoes). All bidders to list their offerings in accordance to Tab Sheet 2, 3, 4, and 5 of the spreadsheet workbook.

Award will be based on best pricing based on PennDot Yellow color.

NOTE: Tab Sheet 5 "Contractor Data Sheet" – contract award will not be based on this section of the spreadsheet.

BIDDING INSTRUCTIONS:

All Bidders will need to provide written certification, from the Original Equipment Manufacturer (OEM) stating that they, the bidder, are an authorized representative (i.e. dealer/reseller) for the OEM's equipment upon which they, the bidder, are bidding on. Certifications should be on OEM's letterhead.

CONTRACT TERM:

This is a two-year contract with three (3) one-year (1) renewals where we allow price adjustments at the beginning of the second year of the contract with supporting documentation from the Manufacturer via the awarded Supplier(s).

The renewal date is October 1st. All price adjustment requests beginning in the second year of the contract must be reviewed and approved by the Commodity Specialist before taking affect.

SPECIFICATIONS and BID NOTES:

- **NOTE:** In regard to this bid solicitation, (and any contracts generated from such), all references to "Department of Transportation", "PennDOT" and/or "PA-DOT" are to be understood to be one and the same.
- All plow units to be provided to PA-DOT will be the manufacturer's standard unit along with requirements shown in the document titled "PennDOT Snow Plows" dated GAW 05/06/2020, and referenced drawings.
- All units to be bid by the bidder shall be inserted in the bid document titled "BID ITEM SHEETS – April 23, 2020" in the format shown.

When bidding, all bidders are to provide pricing for their individual models, less cutting edge and shoes, in columns "M" {PA-DOT SPEC'D UNIT PRICE (REF. PennDOT Snow Plows" dated GAW 05/06/2020 (With PA-DOT Yellow Paint Color)}

and "N" { PA-DOT SPEC'D UNIT PRICE (REF. PennDOT Snow Plows" dated GAW 05/06/2020 (With OEM's Normal Yellow Paint Color)}, as applicable.

Bidders shall then insert "Upcharge Pricing", as applicable, in columns "P", "Q", "R", "S", and "T" for the particular cutting edges shown.

The intent is that when a user orders a unit, they will pick the make and model desired, and then select their desired cutting edge, as well as any option items as the bidder has priced on the tab titled "Option Items".

For example –

If a contract user wanted to purchase a Company A's model T snow plow painted PA-DOT Yellow at the bid price of \$30.00 and they opted for the "carbide blade and moldboard shoes" cutting edge package priced at \$5.00, then the total unit would come to \$35.00.....the plow unit plus the cutting edge upcharge.

- **Regarding Blade Options** (See "PennDOT Snowplows" dated GAW 05/06/2020 document, columns "P", "Q", "R", "S", and "T"):

It shall be understood that for any blade option selected/ordered all mounting hardware pricing (i.e. bolts, nuts, washers, etc.) shall be included in the "upcharge pricing" amount.

In regards to the JOMA blade option (Column "R"), it shall be understood that this blade "upcharge pricing" amount shall include the following items:

- All mounting hardware (i.e. bolts, nuts, washers, etc.)
- Winter Equipment Company's "Winter Custom-Designed Steel Carbide Adapter Blade"
- "Shock-absorbing Joma 6000 Articulated Plow Blade"
- "Joma 6000 Steel Mounting Bracket"

Reference PennDOT Snowplows dated GAW 05/06/2020 -- Section A "All Plows Specifications", Option: 2 and Section B "Tow Plow", Options: 5:

2. JOMA 6000 plow blades with JOMA 6000 attachment components including clamp bar and Winter Equipment Company style backer blades equipped with carbide inserts.

5. Joma 6000 blades with JOMA 6000 attachment components including clamp bar, with Winter Equipment Company style backer blade equipped with carbide inserts.

- Regarding all other agency customers and Costar purchases:

Regarding Item #1 and #5 of the document titled "PennDOT Snow Plows" dated GAW 05/06/2020 – In the event that the ordering entity does not have the same "plow frame" as currently used by PA-DOT, the ordering entity may negotiate with the Contractor for necessary "plow hitch" and "hitch swivel" assembly required. The price of the plow should be as shown on the contract with any extra for alternate "plow hitch & swivel" shown separately.

- Manufacturer's model number changes/revisions will be acceptable as long as the price remains as awarded for that line item. If unable to maintain price, that line item may be terminated from the contract, as well as any renewal periods.
- The contractor may meet with Department of Transportation (PA-DOT) representatives, prior to placing an order with the factory, to verify technical information and components included in their bid proposal that will be used in the production of the unit(s).
- The contractor shall submit to PA-DOT, on a continuing basis, all service bulletins and technical letters, as regularly issued by a manufacturer to dealers or large fleets. All relevant information shall be supplied for the unit(s) bid to the Commonwealth to inform PA-DOT of any improvements, changes and/or problems concerning the unit and its component parts. This information shall be addressed to: Pennsylvania Department of Transportation, Fleet Management Division, 17th Street & Arsenal Blvd., Harrisburg, PA 17120, Attn: Chief, Fleet Management Division.
- PA-DOT reserves the right to have its representative periodically inspect each unit during assembly at the contractor's assembly point.

WARRANTY:

Warranty on all parts will be for minimum one (1) calendar year or manufacturer's standard commercial term (whichever is greater), from date of acceptance. If the manufacturer neglects or fails to correct defect during the warranty period, their responsibility shall continue until such time as it takes to correct the defect. The manufacturer is expected to respond to warranty problems and administrate effective solutions in the best interest of the Commonwealth.

MANUALS:

The following manuals shall be supplied with each unit delivered to the ordering agency -

- One (1) Operators
- One (1) Parts
- One (1) Service
- Information on plow-attach-angles and recommended hitch heights shall be provided in the manuals.
- The manuals shall be "official" OEM publications supplemented with technical manuals for all components, as published by sub-vendors/manufacturers.
- "Parts" manual must be relative to all items utilized to build the unit, with appropriate part numbers. All drawings and pictorials shall reflect the PA-DOT components. All manuals shall have the plow serial number on the cover.
- Manuals on CD Disc or online at manufacturer's website may be supplied in lieu of paper manuals.

DELIVERY:

The contractor must deliver all units within **ninety (90) calendar days** for all other items after receipt of a purchase order. It shall be assumed by the parties that the contractor received the purchase order on the third business day following the day on the purchase order, unless the contractor provides credible evidence that the order was received on a later date.

SHIPPING:

Shipping shall be in accordance with normal industry standards and at FOB Destination terms. The contractor may add and prepay shipping costs, BUT this cost and action must be made known IN WRITING to the ordering agency PRIOR TO the contractor accepting and processing any such purchase order against the contract.

NOTE OF UNDERSTANDING: Shipping: It is to be understood that "FOB Destination" shall mean that the ownership of any item will not pass to the ordering agency customer until such time that the items have been delivered to and formally accepted by the ordering agency's authorized receiving personnel.

The only costs to be incurred in any delivery shall only be those agreed to and shown on the original purchase order.

MINIMUM ORDER:

The minimum required order shall be one (1) unit.

INQUIRIES:

Direct all inquiries to the following

Joslyn J. Thomas
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Bureau of Procurement
Forum Place, 6th Floor
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Harrisburg, PA 17101-1914

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