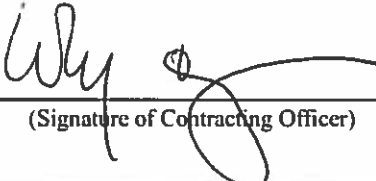


**WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY
SUPPLY AND SERVICE CONTRACT CQ116028**



**WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY
600 Fifth Street, NW, Washington, DC 20001-2651
AMENDMENT OF SOLICITATION / MODIFICATION OF CONTRACT**

1. AMENDMENT/MODIFICATION A001	2 Effective Date August 31, 2015
3. ISSUED BY PURCHASING SECTION Office of Procurement and Materials Lily Cheung, Procurement Manager 600 Fifth Street, NW Washington, DC 20001	4. ADMINISTERED BY Same as block 3.
5. CONTRACTOR NAME AND ADDRESS	6. FORM TYPE (Check only one) <input checked="" type="checkbox"/> AMENDMENT OF SOLICITATION NO CQ116028 DATED <u>August 3, 2015</u> (see block 7)
<p align="center">7. THIS BLOCK APPLIES ONLY TO AMENDMENTS OF SOLICITATIONS</p> <p><input checked="" type="checkbox"/> The above numbered solicitation is amended as set forth in block 10. The hour and date specified for receipt of Offers _____ is extended, <input checked="" type="checkbox"/> is not extended. Offerors must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation, or as amended, by one of the following methods; (a) By signing and returning <u>two</u> copies of this amendment; (b) by acknowledging receipt of this amendment on each copy of the offer submitted; or (c) by separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE ISSUING OFFICE PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If, by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided such telegram makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.</p>	
8. ACCOUNTING AND APPROPRIATION DATA (If required)	
9. THIS BLOCK APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS	
10. DESCRIPTION OF AMENDMENT/MODIFICATION A. Solicitation CQ116028 is amended to incorporate Questions and Answers. Except as provided herein, all terms and conditions of the document referenced in block 10, as heretofore changed, remain unchanged and in full force and effect.	
11. CONTRACTOR/OFFEROR IS REQUIRED TO SIGN THIS MODIFICATION AND RETURN TO ISSUING OFFICE.	<input type="checkbox"/> CONTRACTOR/OFFEROR IS NOT REQUIRED TO SIGN THIS DOCUMENT
12. NAME OF CONTRACTOR/OFFICE BY _____ (Signature of person authorized to sign)	15. WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY BY  (Signature of Contracting Officer)

Appendix A
Questions and Answers
CQI16028

Question 1: Should line 184/PN R 18 35 0013 be "High Speed Hub" instead of "Spring"?

Answer: This is a Spring not a "High Speed Hub."

Question 2: Can you please provide a drawing of A18347045?

Answer: There is no drawing on file for item A18347045. There is an illustrated parts catalog. Please see number 2 on attachment A18347045.

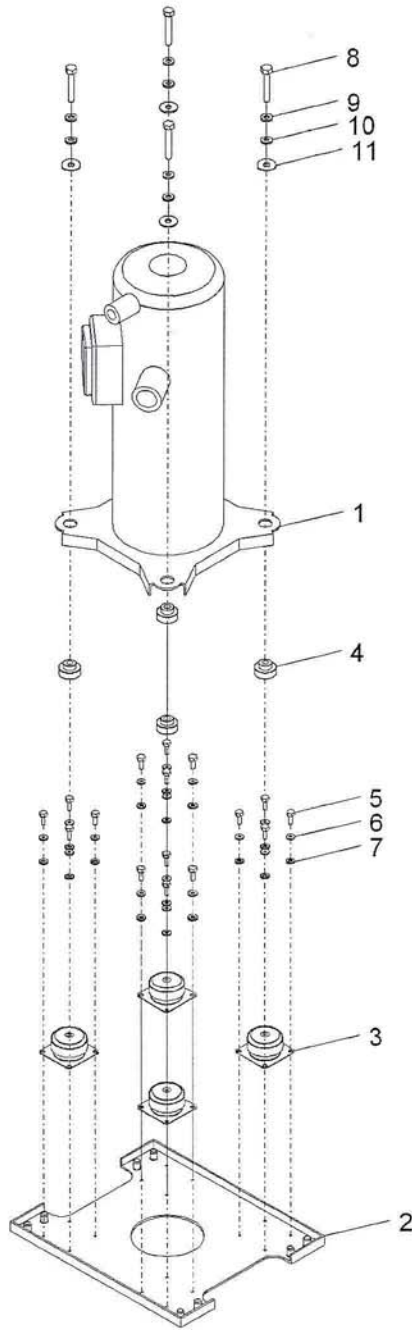
Question 3: L76903031 – L76903047 - R18115385 (dwg CL000413) maybe I could get a copy of this drawing.

Answer: Drawing for L76903031 and L76903047 are not available. R18115385 attached.

Question 4: Please kindly send copy of drawing R18350017w, rev. J

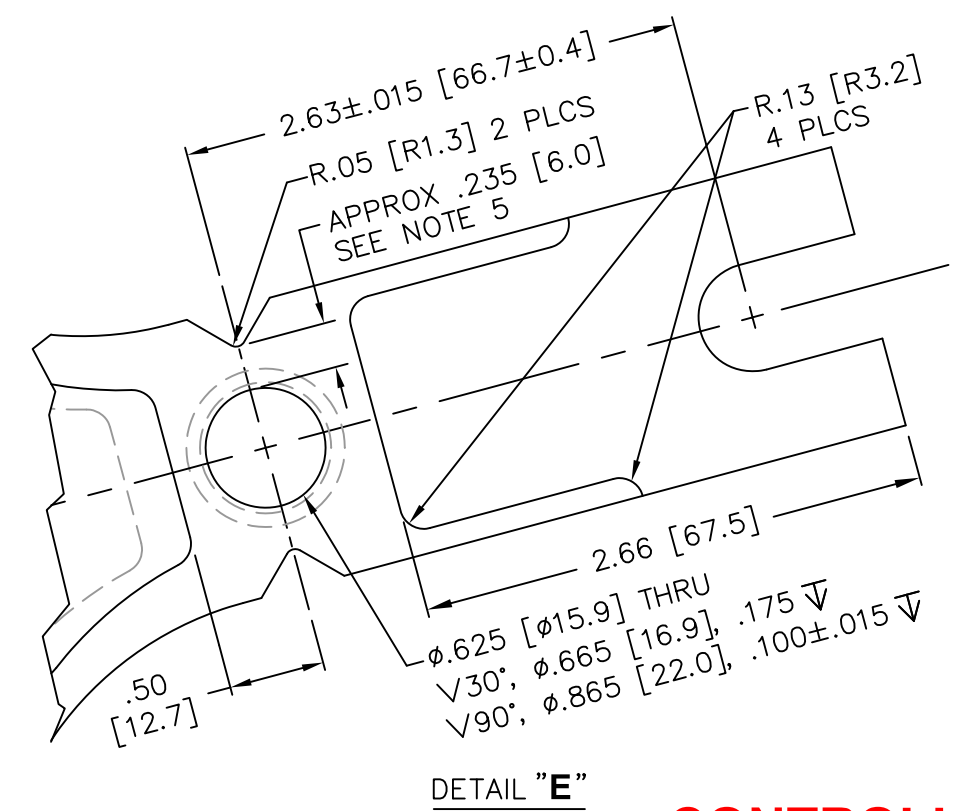
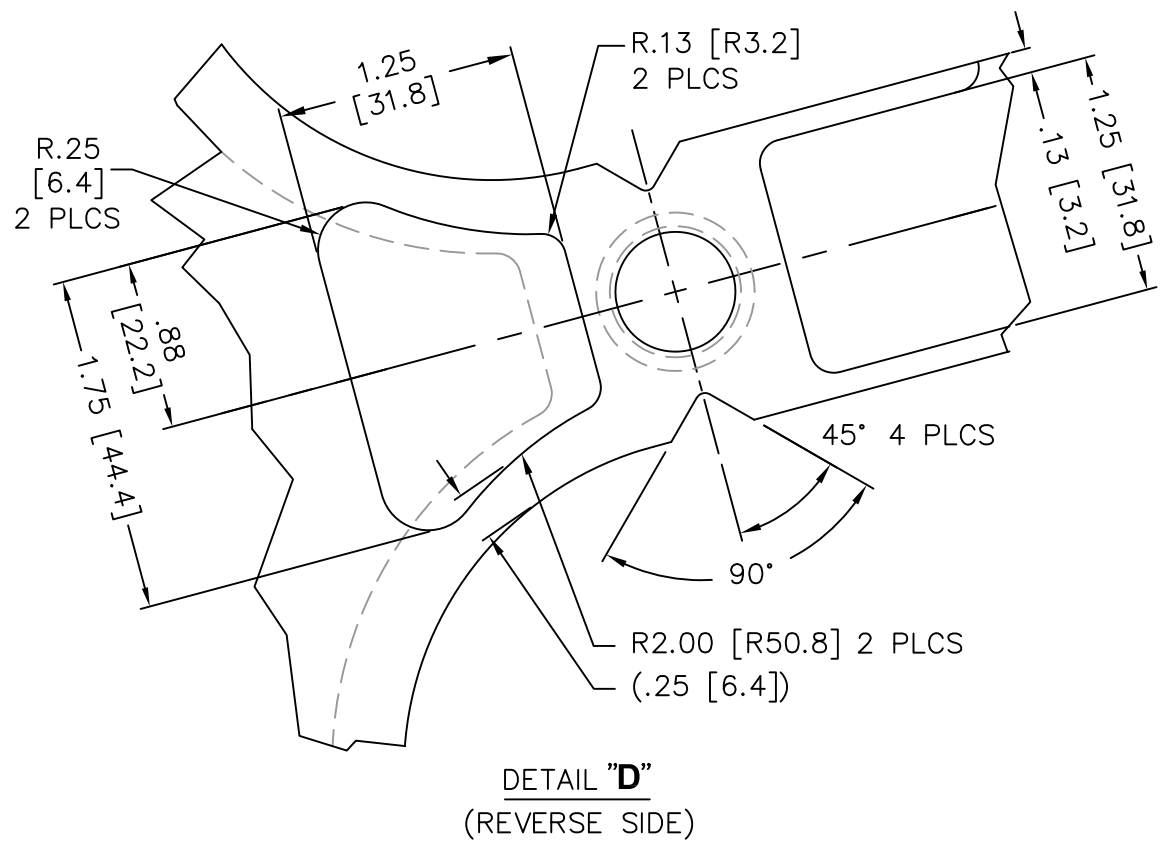
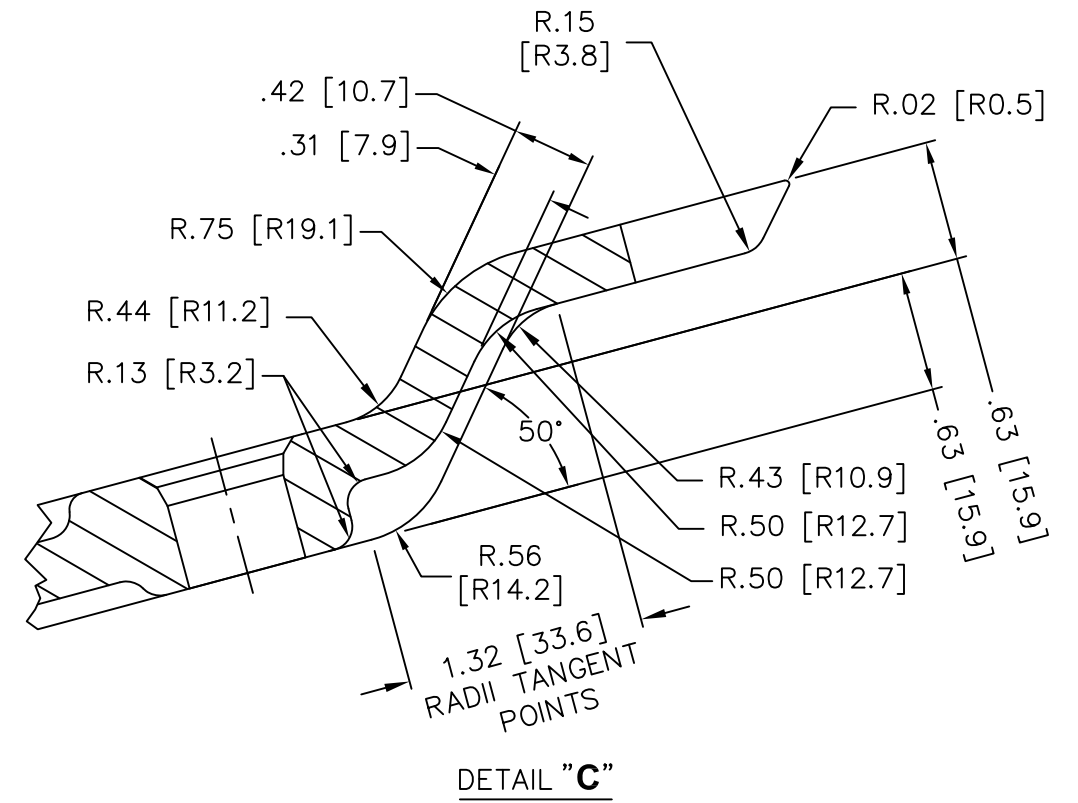
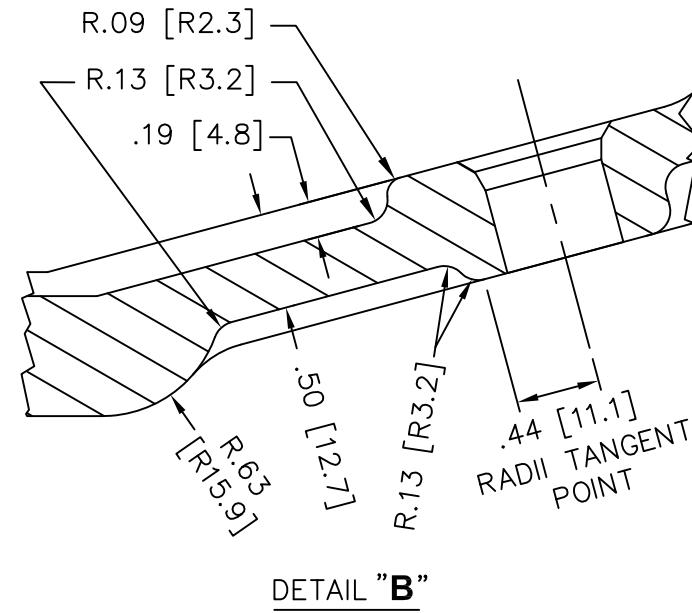
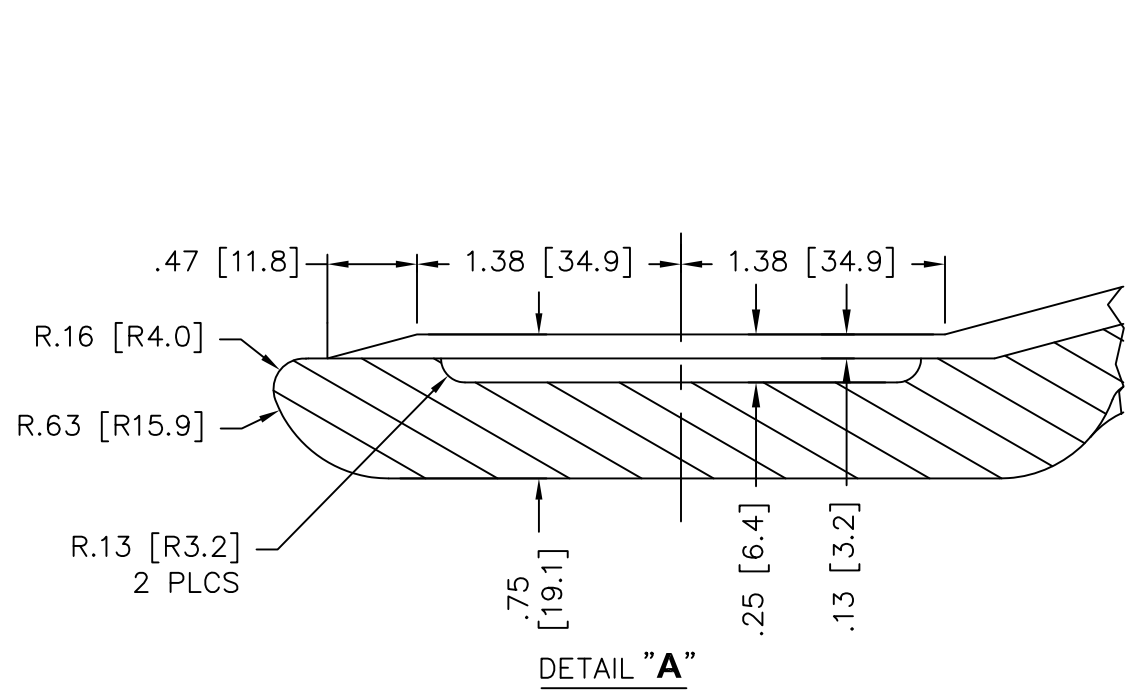
Answer: Drawing for R18350017w, rev. J is attached.

End of Amendment A001



6k-10-0158

Figure 10-12. Compressor Assembly (680D5136)



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NOTES:
1. DIMENSIONS UNITS ARE INCHES [MILLIMETERS].


J	ADJUSTED VIEWS TO REFLECT CORRECT LAYOUT FOR ADDITIONAL LEFT SIDE VIEW. ADDED RADIUS DIMENSION. MOVED TECH SPECS TO SHEET 3 OF 3.	UNLESS OTHERWISE SPECIFIED FRACTIONS ±1/64 DECIMALS .X .XX±.01 [.25] .XXX±.005 [.127] ANGLES ±.5°	Drawn by: A.CREECH	Int. Date: 24MAY10	IF THIS DOCUMENT IS NOT MARKED "CONTROLLED" IN RED, THEN IT SHOULD BE USED AS REFERENCE ONLY.	WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY Title: 1K THRU 6K SERIES CURRENT COLLECTOR SHOE, SUMMER TRUCKS AND SUSPENSION
	H		REDRAWN AND REVISED AS PER MARK-UP. TO REVIEW PREVIOUS REVISIONS, SEE HISTORY.	Engr. Approval:		
Rev.	Description & Date	Undim. Wall Thk.: Undim. Radii:	Undim. Edges: R.008 [R.2]	Scale: 1:1	Sheet Size: B	Part. No.: R18-35-0017 Dwg. No.: WDR18350017-J Sheet: 2 of 3

GENERAL NOTES

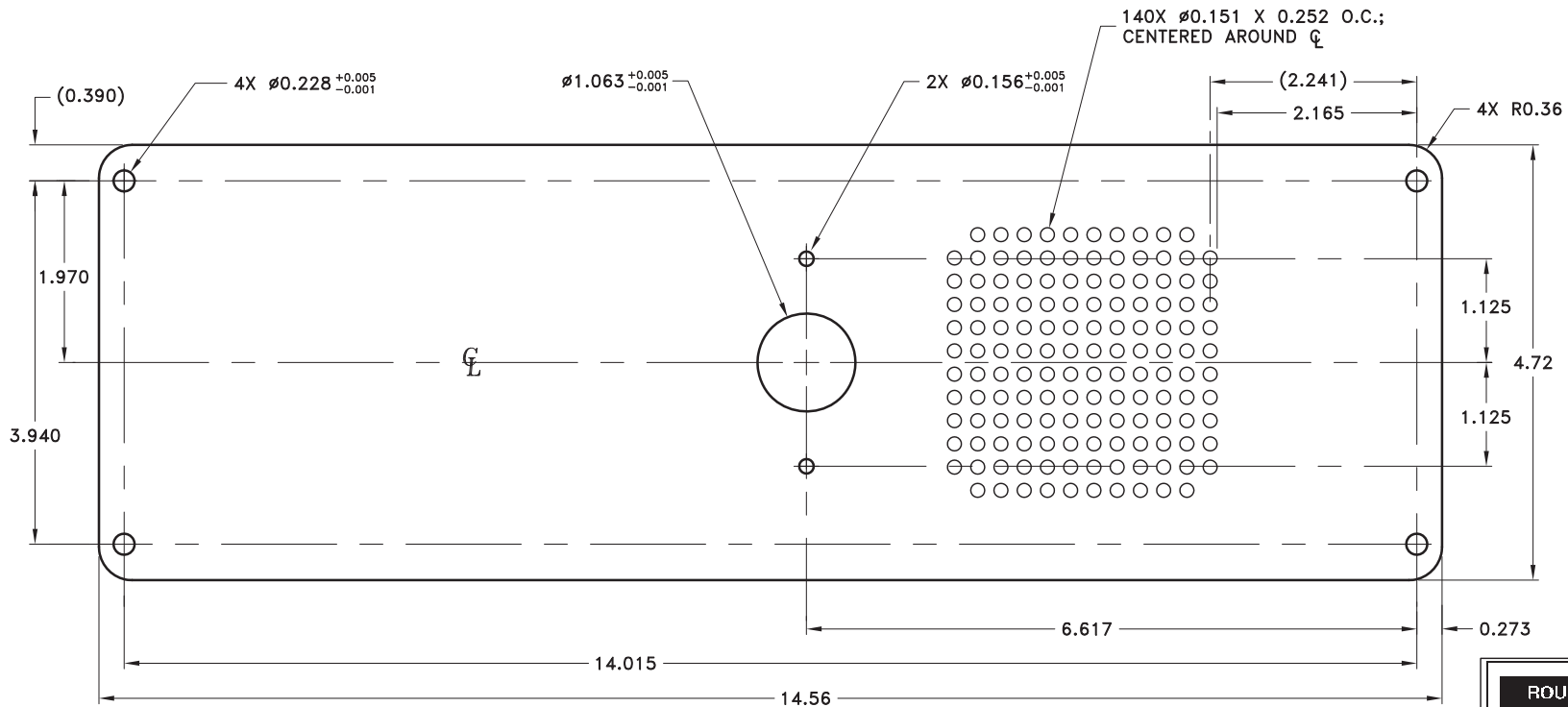
1. MATERIAL:
 - A) DUCTILE CAST IRON; GRADE 80-55-06; PER ASTM A-536-72 (ACCEPTABLE SUBSTITUTE TO BE MALLEABLE IRON, GRADE 70003)
 - B) HARDNESS TO BE 220 BRINELL (MINIMUM).
 - C) MANUFACTURER SHALL PROVIDE WRITTEN VERIFICATION OF MATERIAL FORMULATION USED IN CASTING PADDLES. THIS SHOULD BE IN THE FORM OF BATCH OR HEAT SAMPLE ANALYSIS FROM THE CASTING FOUNDRY.
 - D) MANUFACTURER SHALL PROVIDE WRITTEN VERIFICATION OF PADDLE HARDNESS FOR 3 PADDLES (OR 1%, WHICH EVER IS GREATER) FROM EACH BATCH OR HEAT LOT.
2. PARTING LINE RESIDUE AND FINS TO BE GROUND SMOOTH ALL AROUND.
3. EACH PADDLE SHALL BE IDENTIFIED BY THE MANUFACTURER AND BATCH LOT WITH 1/4" EMBOSSED LETTERS IN AREA SHOWN. MANUFACTURER SHALL PROVIDE WRITTEN NOTIFICATION TO THE AUTHORITY REGARDING THE MANUFACTURE'S SYMBOL AND DESIGNATION SCHEME.
4. PADDLES ARE DESIGNED TO BREAK AT THE "VEE" NOTCH AND 5/8" DIA. HOLE AREA AT A STATIC LOADING OF BETWEEN 1650 lbs. AND 2050 lbs. (SEE NOTE 5). TO ASSURE THIS STRENGTH RANGE, THE "VEE" NOTCHES SHALL BE MACHINED TO A RADIUS OF .050" CORNERED TO A 90 DEGREE "VEE", WITH THE DEPTH OF THE "VEE" BEING ADJUSTED TO PROVIDE THE PROPER BREAKING STRENGTH. THE DIMENSIONS GIVEN FOR THICKNESS OF MATERIAL IN THIS AREA ONLY FOR REFERENCE. THE HOLE SHOULD BE MACHINED TO SIZE, AND COUNTERSUNK AS SHOWN AFTER PADDLES ARE CAST, TO PROVIDE UNIFORM CROSS SECTIONS AT BREAK POINT.
5. **COLLECTOR PADDLE STATIC BREAKAGE TEST:**
 THE MANUFACTURER SHALL PROVIDE WRITTEN VERIFICATION OF THE TESTING OF 3 PADDLES, (OR 2%, WHICHEVER IS GREATER) FROM EACH BATCH LOT, FOR THE PROPER BREAKAGE LOADING. IT IS PREFERRED THAT SUCH TESTING BE ACCOMPLISHED BY AN INDEPENDENT TESTING LABORATORY. TESTING SHALL BE IN ACCORDANCE WITH THE FOLLOWING PROCEDURES:
 - A) THE COLLECTOR PADDLE SHALL BE SECURELY MOUNTED IN TEST FIXTURE BY BOLTING THROUGH THE 5/8" DIA. HOLE AT THE "VEE" NOTCHES, AND AT THE END SLOT.
 - B) A STATIC LOAD SHALL BE APPLIED AT THE SIDE EDGE OF THE PADDLE, IN A DIRECTION PERPENDICULAR TO THE LONGITUDINAL CENTERLINE OF THE PADDLE, AT A DISTANCE OF APPROXIMATELY 5-1/2" FROM THE CENTER OF THE 5/8" DIA. HOLE. (THIS WILL CORRESPOND TO APPROXIMATELY 3/4" TO 1" INBOARD FROM THE END OF THE PADDLE ALONG THE LONGITUDINAL CENTERLINE. THE LOAD SHALL BE INCREASED UNTIL THE PADDLE FAILS AT THE "VEE" NOTCH/HOLE SECTION).
 - C) PADDLES ARE REQUIRED TO FAIL AT A STATIC LOAD OF BETWEEN 1650 lbs. AND 2050 lbs. FAILURES ABOVE OR BELOW THIS RANGE WILL REQUIRE THAT THE SECTION AT THE "VEE" NOTCHES EITHER BE INCREASED OR DECREASED, AND PADDLES RETESTED UNTIL FAILURE OCCURS WITHIN THE PROPER RANGE. DIMENSIONS FOUND TO PRODUCE PROPER BREAKAGE WILL BE RECORDED AND TRANSMITTED TO THE AUTHORITY FOR THEIR RECORDS.
6. FIRST ARTICLE (FAI): NEW VENDORS SHALL BE PROVIDED A 3D *.DWG CAD GENERATED ELECTRONIC FILE AND SUPPLY A RAPID PROTOTYPE PIECE FOR QUALIFICATION PRIOR TO PROVIDING A FIRST ARTICLE INSPECTION CASTING.
7. NEW VENDORS SHALL BE GIVEN TEMPORARY CUSTODY OF FOUR (4) VARIANTS OF THE PADDLE MOUNTS TO BE USED DURING R&D. THE PADDLE MOUNTS SHALL BE RETURNED TO THE AUTHORITY UPON COMPLETION OF FAI WORK.

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NEXT ASSEMBLY		
OEM	LEFT	RIGHT
ROHR	M18-35-0091	M18-35-0092
BREDA (2K/3K, 4K)	M18-35-5002	M18-35-5001
CAF & ALSTOM	M18-35-6017	M18-35-6016

J	ADJUSTED VIEWS TO REFLECT CORRECT LAYOUT FOR ADDITIONAL LEFT SIDE VIEW. ADDED RADIUS DIMENSION. MOVED TECH SPECS TO SHEET 3 OF 3. 28JUL11 ALC	UNLESS OTHERWISE SPECIFIED FRACTIONS ±1/64 DECIMALS .X .XX±.01 [.25] .XXX±.005 [.127] ANGLES ±.5°	Drawn by: A.CREECH	Int. <i>ALC</i>	Date: 24MAY10	IF THIS DOCUMENT IS NOT MARKED "CONTROLLED" IN RED, THEN IT SHOULD BE USED AS REFERENCE ONLY.	 WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY Title: 1K THRU 6K SERIES TECHNICAL SPECIFICATIONS TRUCKS AND SUSPENSION
			Engr. Approval:	Int.	Date:		
H	REDRAWN AND REVISED AS PER MARK-UP. TO REVIEW PREVIOUS REVISIONS. SEE HISTORY. 24MAY10 ALC	Undim. Wall Thk.:	Undim. Radii:	Undim. Edges:	Scale:	Sheet Size: B	Next Assembly: SEE PAGE 3 OF 3
Rev.	Description & Date			R.008 [R.2]		Part. No.: R18-35-0017	Dwg. No.: WDR18350017-J
							Sheet: 3 of 3

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**ROUND PERFORATIONS
STRAIGHT LINE PATTERN**

$\frac{D^2 \times 78.54}{C^2} = \%$

Pattern Layout & Open Area Calculation

0.151	- Hole Diameter (D)
0.252	- Center (C)
28.200	- Open Area (OA)
15.747	- Holes per Square Inch (HPSI)

GENERAL NOTES:

1. MATERIAL: C1008/1010 CRS SHEET - (ASTM A366); 18 GAUGE (0.048 THK.)
2. DEBURR AND BREAK ALL SHARP EDGES.
3. ZINC PLATE AND YELLOW CHROMATE CONVERSION COAT.
4. PRIME AND PAINT BOTH SIDES AND EDGES WITH POLYURETHANE ENAMEL.
5. COLOR SPECIFICATIONS:
RAL CLASSIC SYSTEM; RAL 9002, SATIN FINISH

CONTROLLED

		<p>TOLERANCES UNLESS OTHERWISE INDICATED</p> <p>DECIMALS .XX ± .01 .XXX ± .005 .XXXX ± .0010</p> <p>ANGLES ± .5°</p> <p>Dimension Units Are <input type="checkbox"/> MILLIMETERS <input checked="" type="checkbox"/> INCHES</p>		<p>Drawn by <i>Int. Date</i> R. DellaPenna <i>RD</i> July 10, '14</p> <p>Engr. Approval <i>Int. Date</i> Jose R Granados</p> <p>Approved by <i>Int. Date</i> Manuel A. Lopez</p>		<p>IF THIS DOCUMENT IS NOT MARKED "CONTROLLED" IN RED, THEN IT SHOULD BE USED AS REFERENCE ONLY.</p> <p>THE DESIGN, CONCEPT AND INFORMATION CONTAINED IN THIS DRAWING IS PROPRIETARY TO WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY AND MAY NOT BE REPRODUCED, USED OR DISCLOSED WITHOUT WRITTEN PERMISSION OF SAID COMPANY.</p>		<p>M metro WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY</p> <p>Title 2K/3K 5K & 6K SERIES PASSENGER CALL STATION COVER PLATE</p>	
Rev.	Description	Date	By	Scale	Sheet Size	Next Assembly	Part No.		
REVISION LOG				1:2 or AS NOTED	A		Dwg. No. CL000413 <small>Sheet 1 of 1</small>		