



U.S. Department
of Transportation

**Research and
Special Programs
Administration**

400 Seventh Street, S.W.
Washington, D.C. 20590

MAR 21 2000

Mr. John Edmondson
Director of Engineering Liaison
Manchester Tank
1749 Mallory Lane, #400
Brentwood, TN 37027

Ref. No. 99-0156

Dear Mr. Edmondson:

This is in response to your letter regarding DOT specification markings on cylinders under the Hazardous Materials Regulations (HMR; 49 CFR Parts 171-180). Specifically, you ask if the serial number may be marked on the collar in a sequence other than as specified in § 178.35(f). You provided six drawings depicting serial numbers marked in various locations and asked if these variations are permitted based on § 178.35(f)(1)(iii).

The answer is no. Section 178.35(f)(1)(iii) authorizes variations in sequence only when necessitated by a lack of space. In the drawings you provided, the serial numbers appear to be marked out of sequence for a reason other than that allowed.

I trust this satisfies your request. Please contact us if we can be of further assistance.

Sincerely,

Hattie L. Mitchell
Chief, Regulatory Review and Reinvention
Office of Hazardous Materials Standards

June 10, 1999

Steuery
§ 178.35
99-0156

Mr. Edward Mazzullo
US DOT RSPA
Office of Hazardous Materials
400 7th Street Southwest
Washington, DC 20590

Subject: CFR 49 178.35 (f)(1)(iii)

Dear Mr. Mazzullo:

With regard to the subject listed above, in particular the statement, "other variations in sequence of markings are authorized only when necessitated by lack of space", I hereby request authorization to stamp serial numbers at the attached indicated locations. This request comes as a result of our process capability in relation to the amount of available space on our cylinder collars. I have been informed by other Manchester employees that we have previously received written authorization from RSPA, but we are unable to lay our hands on the letter at this time.

Thank you for your consideration on this matter, as I will be very grateful for your response.

Sincerely,

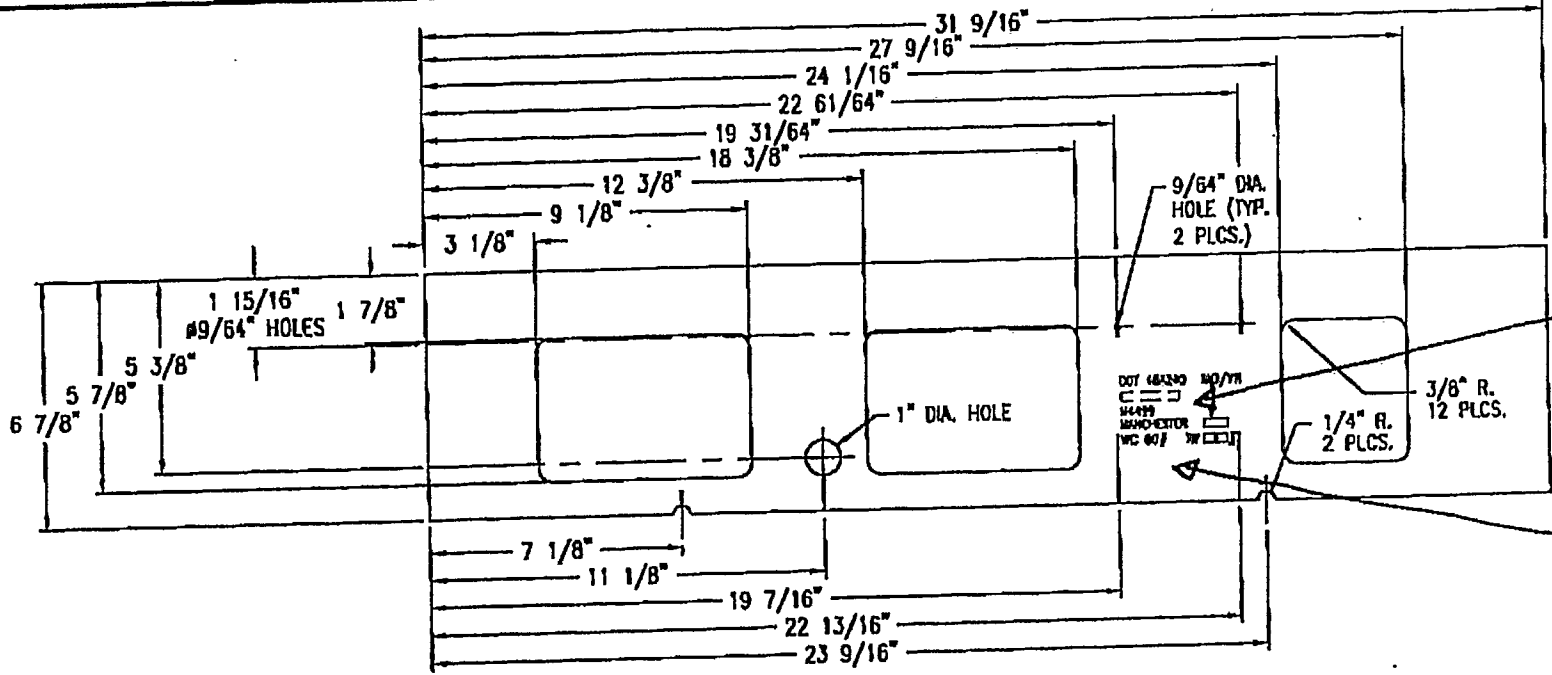


John Edmondson
Director of Engineering Liaison

JE:ms
Attachments

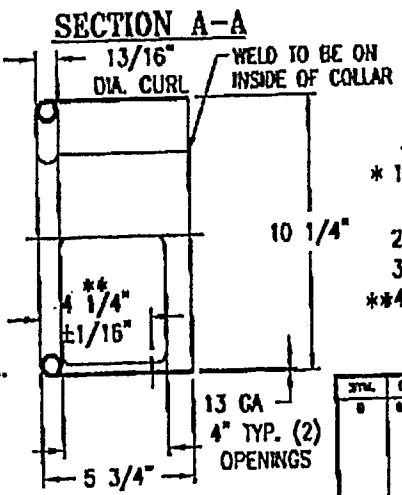
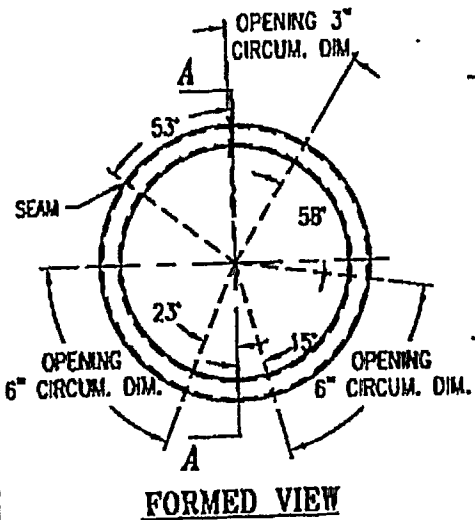


ATTN: JOHN EDMONSON



USUALLY HERE yes

SOMETIMES HERE NO



- NOTES:
- * 1. TARE WEIGHT STAMP: WEIGHT OF EMPTY CYLINDER INCLUDING FITTINGS, VALVES, ETC..
 2. COLLAR WEIGHT: 5.5#.
 3. STAMPING TO BE .015" ± .001" DEEP.
 - **4. 1" DIA. HOLE MUST BE LOCATED AT 4 1/4" ± 1/16" FROM TOP OF COLLAR AFTER CURLING.

STAMPING DETAIL:

SERIAL NUMBER DOT 4BA240 MO/YR /

 M4499 INSPECTORS INITIALS
 MANCHESTER
 WC 80# TW #

XREF	REV.
C734	
C735	
C736	



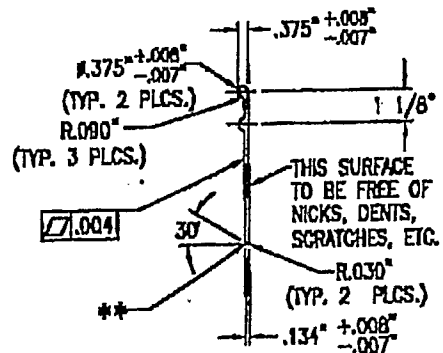
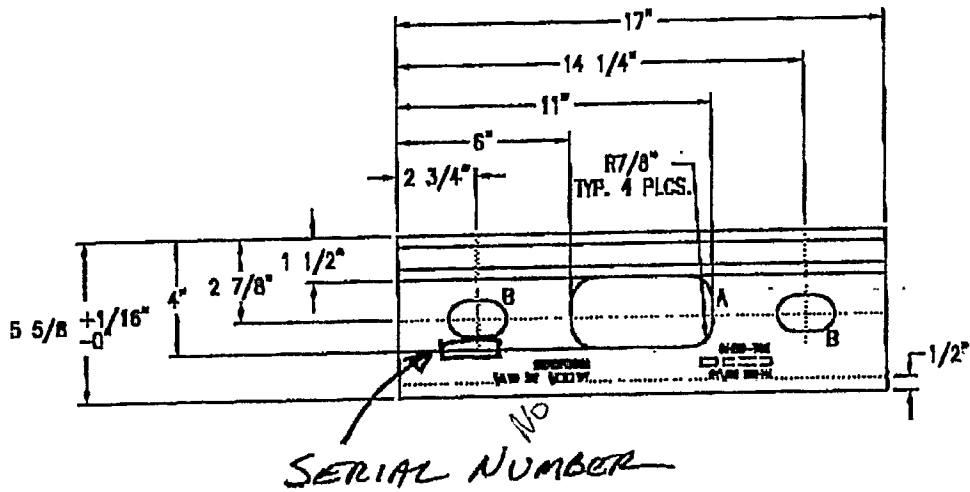
33.1/2# DOT
 STEEL FORKLIFT COLLAR

SYMBOL	DATE	BY	REVISION	APP.
0	04-99	JA	9/64" HOLES W/ 3/32" HOLES	

STD. TOLERANCE (UNLESS OTHERWISE NOTED):
 M-2481
 WELD DETAIL: M-1832

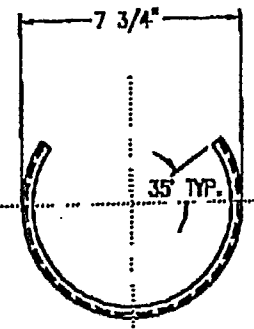
DRAWN BY:	DATE	SCALE:
MR	08-07-96	NONE
APPR. BY:	DATE	DRWG NO.
JD	08-15-96	A76451

ALUM HORIZ / MARINE



- NOTES:
1. TARE WEIGHT STAMP: WEIGHT OF EMPTY CYLINDER INCLUDING FITTINGS, VALVES, ETC....
 2. LETTERS TO BE 1/4" HIGH.
 3. MAT'L: ALUM ALLOY 6063-T1
 4. SUPPLIER IDENTIFICATION:
 PATRICK METALS - (1) 90° X .010" DEEP SCRIBED LINE ON TAPERED FACE.
 WIRT ALUMINUM - (2) 90° X .010" DEEP SCRIBED LINES ON TAPERED FACE.

SERIAL NUMBER DOT-4E240
 1/8" M4499 MO/YR
 INSPECTOR'S INITIALS
 DATE OF TEST



MANCHESTER
 1/8" TW [] VC 47.6

ITEM	DESCRIPTION	QTY			
A	2.1/2" X 5" RECT. W/ (4)EA. R7/8	1 PLCS.			
B	1.1/4" X 2" SLOT	2 PLCS.			
REV.	DATE	BY	REVISION	APP.	ETA TOLERANCE UNLESS OTHER WISE NOTED N-P&L VELS DETAIL N-1002

MANCHESTER TANK

20# HOR. ALUM. CYLINDER COLLAR

DRAWN BY MN	DATE 08-14-97	SCALE/DONE
APP. BY MR	DATE 08-26-97	DRAWG NO. A79934

100/200/001
 MAN LAND INDIANA 777 ENG ENG
 0110 007 0174
 10.00
 02/07/00

0007/007

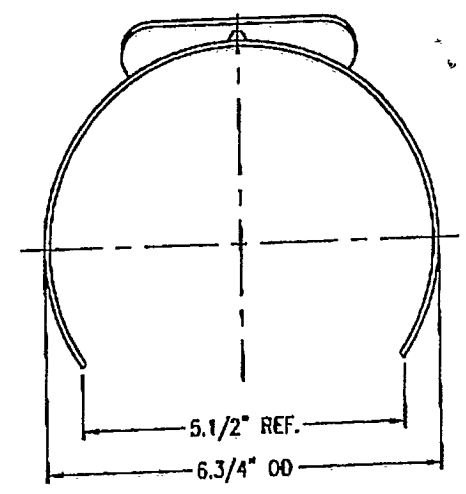
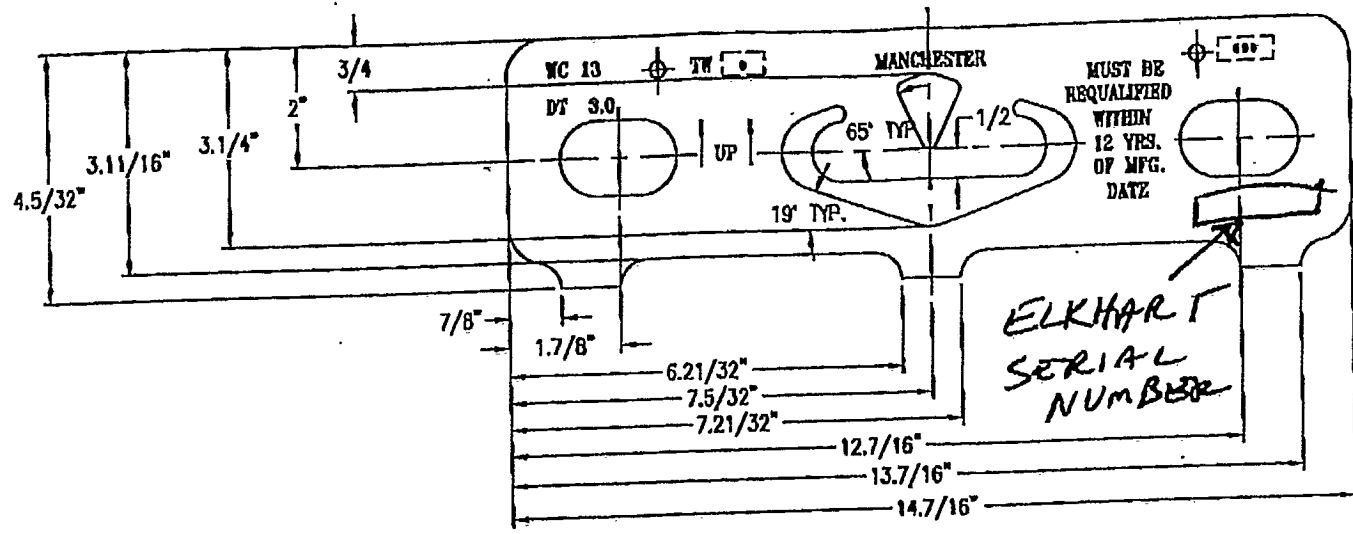
MAN LANK INDIANA +++ ENG ENG

0419 299 0140

10-00

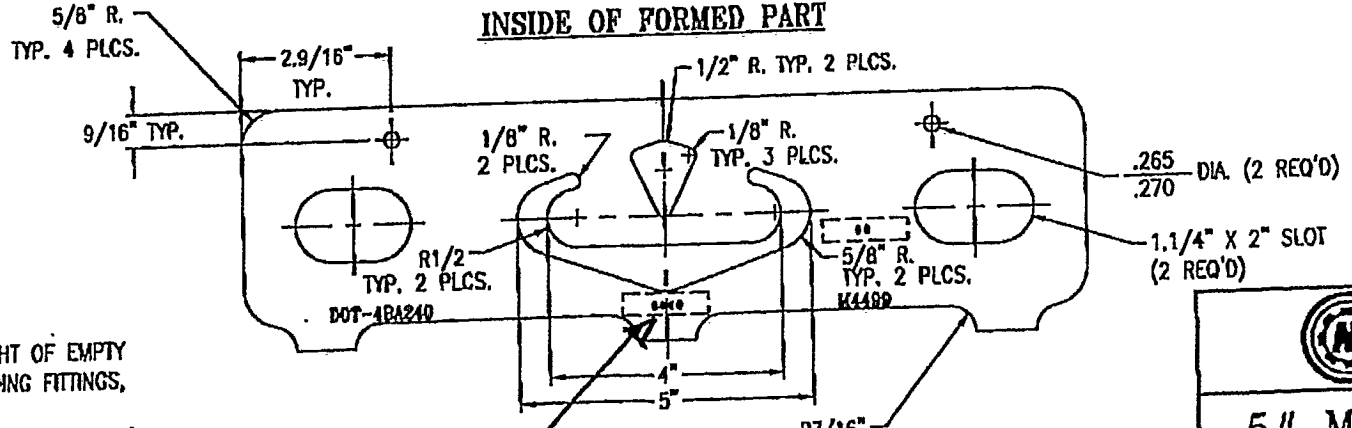
00/40/00

OUTSIDE OF FORMED PART



FORMED LAYOUT

INSIDE OF FORMED PART



CROSSVILLE
SERIAL
NUMBER

NOTES:

- 1. T.W STAMP: WEIGHT OF EMPTY CYLINDER, INCLUDING FITTINGS, VALVES, ETC...
- 2. INSPECTORS INITIALS (ELKHART)
- 3. MFG. DATE STAMP: MO./YR.
- 4. SERIAL NO. (ELKHART)
- 5. MATERIAL: 13 GA. X 4.5/32" X 14.5/16"
- 6. WEIGHT: 1.5#.
- 7. DEBURR ALL SHARP EDGES.
- 8. UNSPECIFIED TOLERANCES, ± 1/32", ANGLES ± 1'.

SYM	DATE	BY	REVISION	APP
A	12/97	JH	VC 13 WAS VC 11.9	MR

H:\DOTPARTS\A73248-1

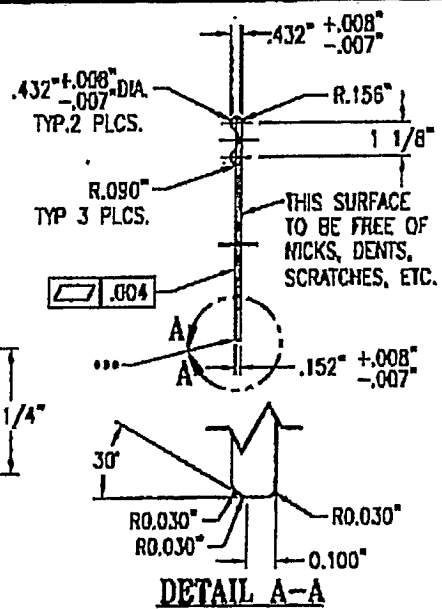
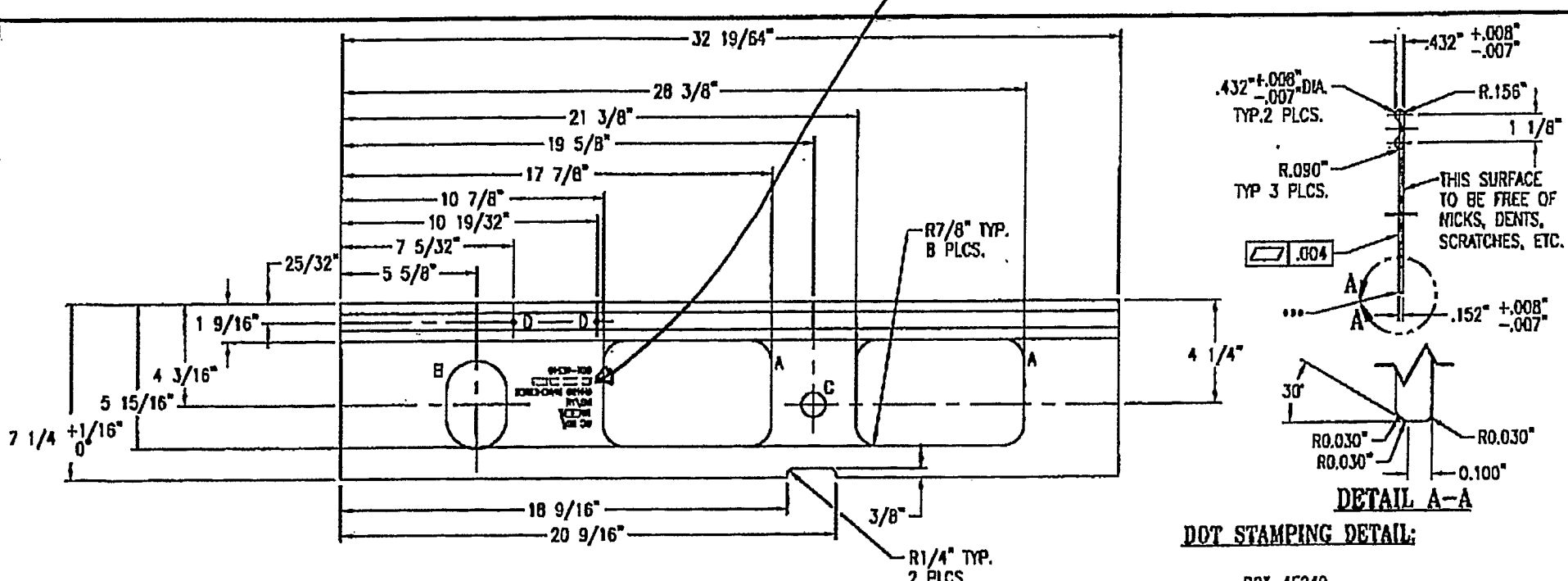
MANCHESTER TANK

5# MR COLLAR

ELKHART

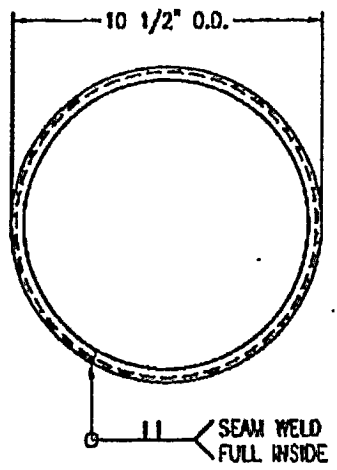
DRAWN BY: MR	DATE 02-08-97	SCALE/DO NOT DRWG NO.
APPR. BY: RW	DATE APPR. 02-08-97	A73248.1

ALUM F.L. OK PER PRINT



DOT STAMPING DETAIL:

SERIAL NUMBER DOT-4E240 INSPECTOR'S INITIALS
 DATE OF TEST M4499 MANCHESTER
 MO/YR TW []
 1/8 WC 80



- NOTES:
1. TARE WEIGHT STAMP: WEIGHT OF EMPTY CYLINDER INCLUDING FITTINGS, VALVES, ETC....
 2. LETTERS TO BE 1/4" HIGH.
 3. MAT'L: ALUM ALLOY 6063-T1
 4. SUPPLIER IDENTIFICATION:
 PATRICK METALS - (1) 90° X .010" DEEP SCRIBED LINE ON TAPERED FACE.
 WIRT ALUMINUM - (2) 90° X .010" DEEP SCRIBED LINES ON TAPERED FACE.

ITEM	DESCRIPTION	QTY
A	4 3/8" X 7" RECTANGLE W/ (4) EA 7/8 R.	2 PLCS.
B	2 1/2" X 3 5/8" SLOT	1 PLC.
C	1" DIA. HOLE	1 PLCS.
D	5/32" DIA. HOLE	2 PLCS.

REV	BY	DATE	REVISION	APR
001	A	05-78	DESIGN USE 2 1/2" X 3 5/8" RECTANGLE AND REMOVE ON AGES - SEE 0780	JD
002	C	08-78	ADDED HOLE TO 1 1/2" X 3 5/8" RECTANGLE	JD
003	C	08-78	REMOVED 1 1/2" X 3 5/8" HOLE TO 1 1/2" X 3 1/4" RECT.	JD
004	C	08-78	ADDED 1 1/2" X 3 5/8" HOLE TO 1 1/2" X 3 1/4" RECT.	JD
005	C	08-78	ADDED 1 1/2" X 3 5/8" HOLE TO 1 1/2" X 3 1/4" RECT.	JD

MANCHESTER TANK

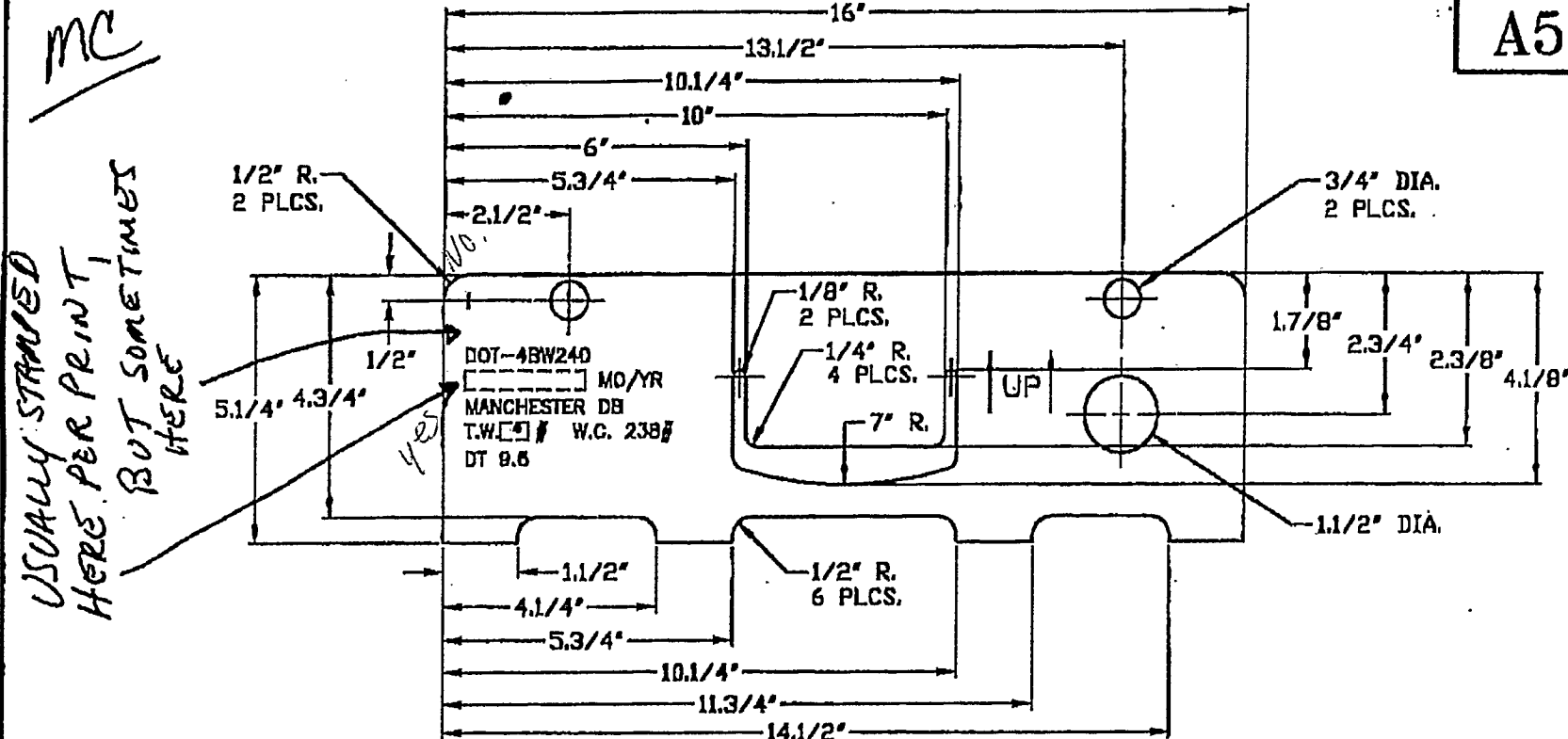
33-1/2# ALUMINUM FKLT
 DOT CYLINDER COLLAR

STD TOLERANCE (UNLESS OTHERWISE NOTED)
 M-2461
 WELD DETAIL: M-1922

DRAWN BY: RM	DATE: 07-16-87	SCALE: NONE
APPR BY: RW	DATE: 07-16-87	DRWG NO. A21980

100/000/000
 DATE AND TIME PRINTED
 08-16-87 09:01
 08/07/80

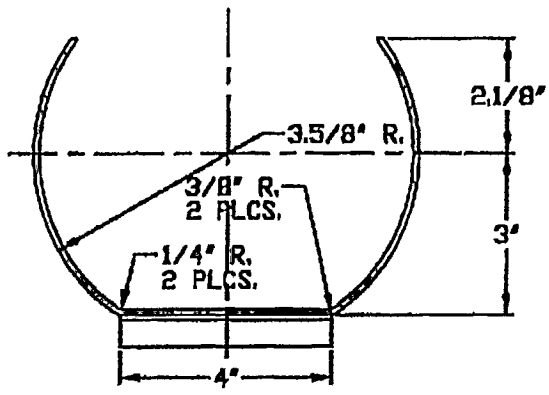
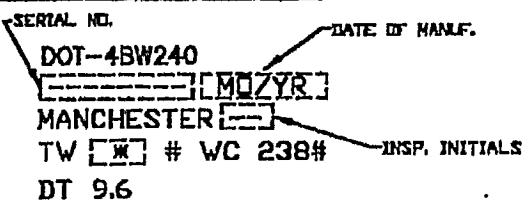
A56072



MC
*USUALLY STAMPED
 HERE PER PRINT,
 BUT SOMETIMES
 HERE*

DOT-4BW240
 MO/YR
 MANCHESTER DB
 T.W. # W.C. 238#
 DT 9.6

STAMPING DETAIL



- NOTES:
 1. MATERIAL: .095" X 5.1/4" X 16", PER APPENDIX "G".
 2. WEIGHT: 2.3#.
 3. STAMPING DEPTH TO BE .015" +/- .001" DEEP.
 * 5. TARE WEIGHT STAMP: WEIGHT OF EMPTY CYL. INCLUDING FITTINGS, VALVES ETC.,

Q	89-97	JH	UPDATE DATA LAYOUT, FONT STYLE
F	12-90	LC	ADDED UP, FORMED LAYOUT.
E	03-92	LC	D.T. WAS 10.6.
			UPDATED STAMPING - SEE OBSC. ADDED STAMPING DEPTH NOTE, 10.6 WAS 9.6, COLLAR WAS GUARD.
D	07-89	LC	
SYM	DATE	BY	REVISION



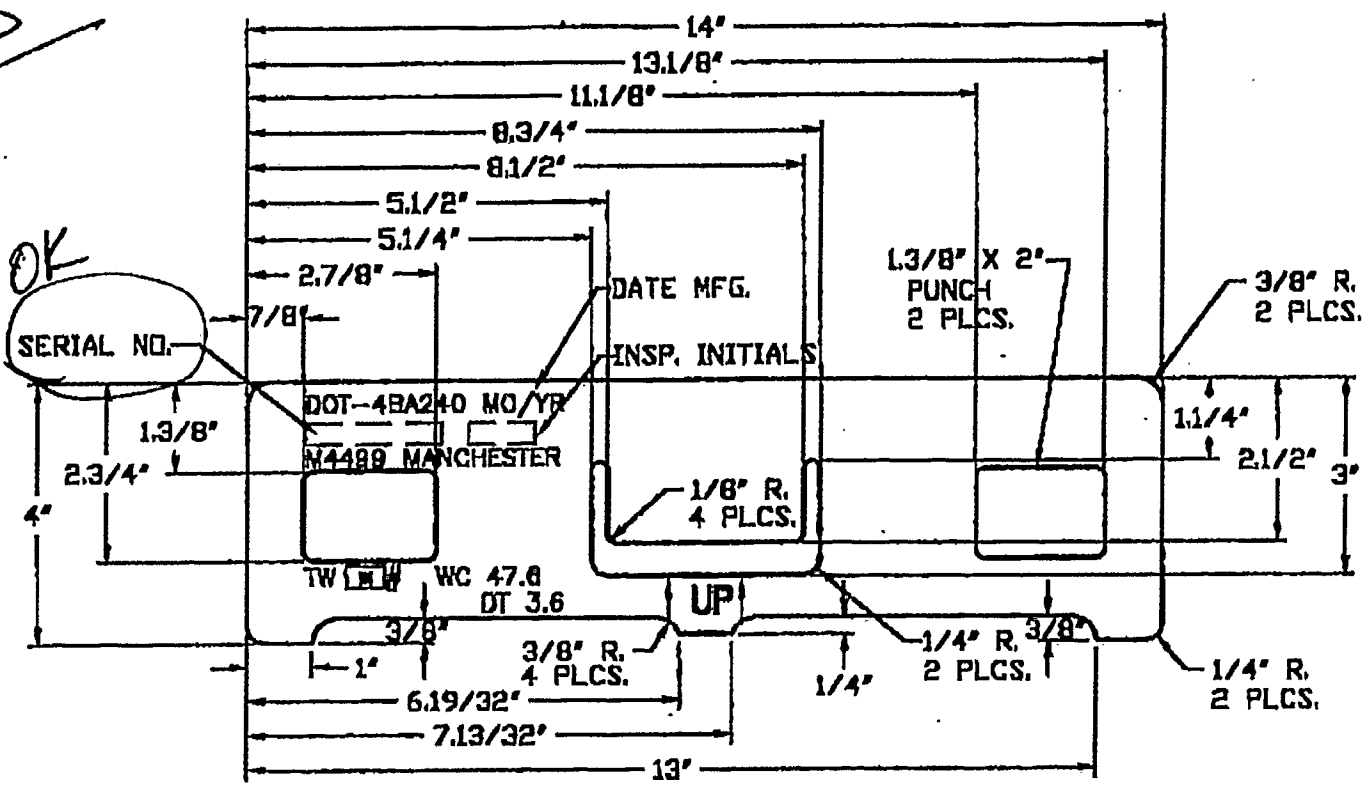
100# DOT COLLAR

DRAWN BY	DATE	SCALE: NONE
TK	07-25-86	
APP. BY	DATE	DRAWING NO.
RM	08-04-86	A56072

STD. TOL. (UNLESS OTHERWISE NOTED) H-2461 VELD DET. H-1932

A56104

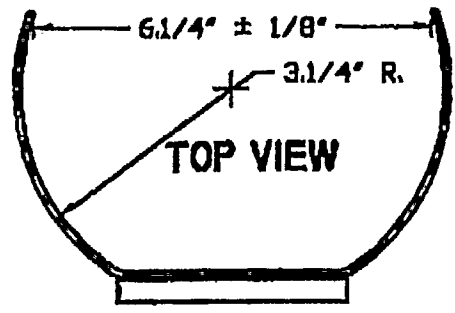
MB



NOTES:

1. BEND PER TOP VIEW.
2. ALL STAMPING TO BE .015" ± .001" DEEP.
3. BURRS NOT TO EXCEED 1/32" IN HEIGHT. DEBURRS ALL SHARP EDGES.
4. ALL LETTERS & NUMBERS TO BE 1/4" HIGH.
5. MATERIAL: .086 MIN. / .125 MAX. CARBON STEEL PER APPENDIX "G".
6. WEIGHT: 1.5#.

7. TARE WEIGHT STAMP: WEIGHT OF EMPTY CYLINDER, INCLUDING FITTINGS, VALVES, ETC..



20# DOT CYLINDER

MB COLLAR STAMPING



REV	DATE	BY	REVISION
1	8-13-86	JM	UPDATE STAMPING LAYOUT
2			INT. WARE S.W., ADDED NOTE #7.
3	8-15-86	LG	REMOVED COLLAR EQ. PUNCH,

DRAWN BY	DATE	SCALE
RW	08-13-86	NONE
APP. BY	DATE	DRAWING NO.
RM	08-15-86	A56104

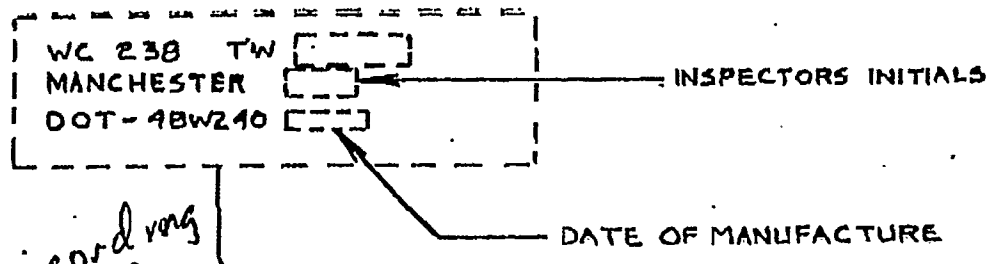
STL. TOL. UNLESS OTHERWISE NOTED N-2461 WELD MET. N-193E

100/60615H 0810 067 61720 08-07-86

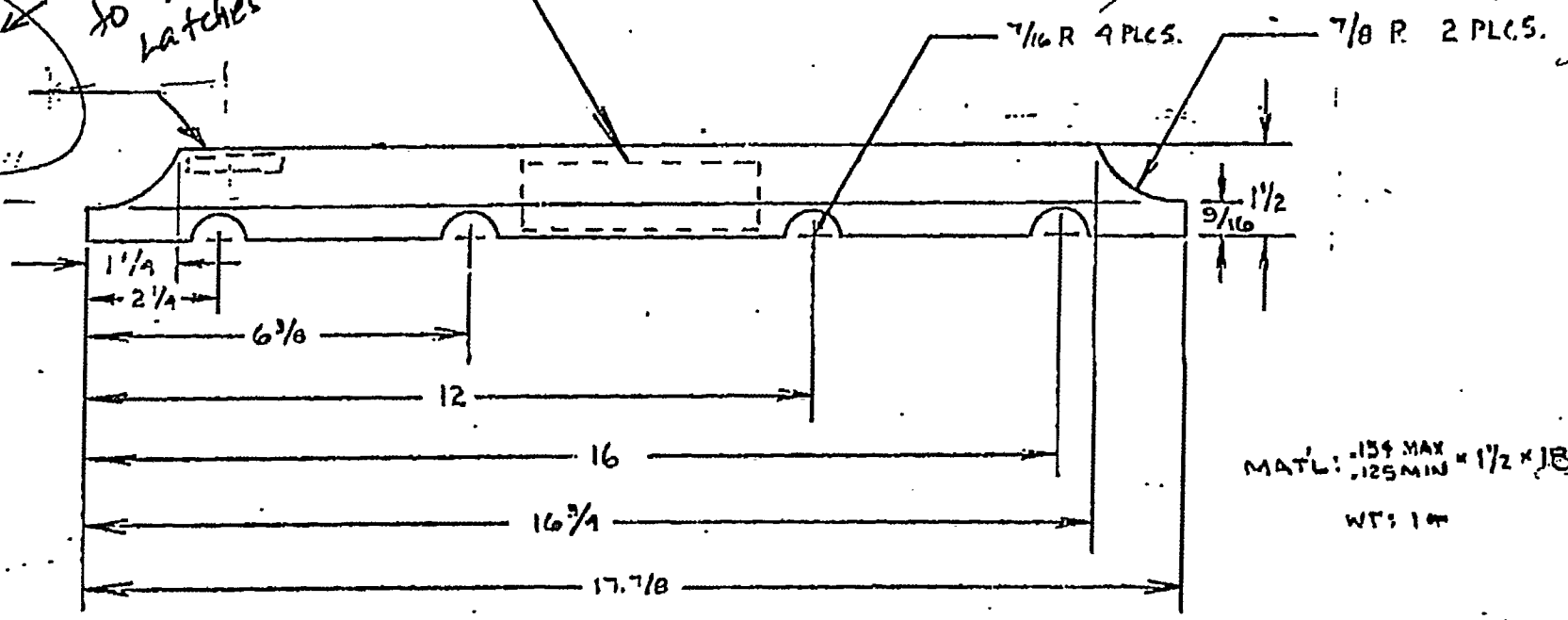
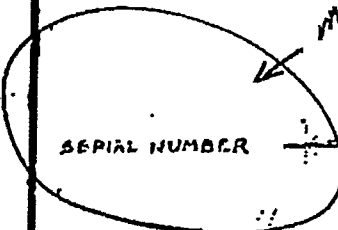
Goss Rings

6 OF 1

A56234



may vary according
 to location of
 latches & hinge.



MATL: .154 MAX
 .125 MIN = 1 1/2 x 1/8
 WT: 1.07



COLLAR RING FOR 100 #
 GOSS CAP

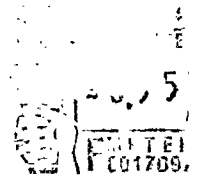
SYTA	DATE	BY	REVISION	APPL.
C	2/77	JS	Changed SW Location	
B	2/81	RW	CHANGED LOCATION OF STAMPING - SEE GOSS PRINT	
A	6/87	RW	REMOVED (78) FOR T.W. ADDED NOTE FOR T.W. STAMPING	JS

DRAWN BY RW	DATE 10-10-86	SCALE NONE
APPROVED BY RM	DATE 10-16-86	DRAWING NO. A56234



1749 Mallory Lane, #400, Brentwood, TN 37027

Mr. Edward Mazzullo
US DOT RSPA
Office of Hazardous Materials
400 7th Street Southwest
Washington, DC 20590



Date: 9-30-96 , Sent to fax#: (202) 366-3753 , Page 1 of 2 .

Attention: Mr. Donald Hiltz Company: U.S. DOT / Exemptions & Approvals

Fax cover sheet from Randy Wahl
Senior Technical Support Engineer

BOOK
File 176.3
Asc. 334, 318

MANCHESTER TANK & EQUIPMENT CO.

1749 Mallory Lane, Suite 400
Brentwood, TN 37027
Phone (615) 370-6154, Fax (615) 370-6120

Re: Proposed Valve Protection Collar for a

Comments: 4BA Cylinder

Manchester would like to know if the
stamping of DOT spec \ serial # \ RSPA Approval
& also Inspector's Initials could be
stamped on the inside of the collar.
Your reply would be greatly appreciated.

Thank you