



PPG Industries, Inc. One PPG Place Pittsburgh, Pennsylvania 15272

Curtis R. Cooper
Manager, Fleet Maintenance
Chemicals Group
412 434 3573 Fax 3640

6/13/97

Mike Lyden - The Chlorine Institute VIA FAX

Wendy Sherman - CMA Chemstar® VIA FAX

AAR Docket T94.1.1 - 1995

RE: Comments On Letter 5/13/97 - Proposed Drawings for M - 1002

New Figure 8.5 - Identify Section EE and FF as Sample Opening and Thermowell Opening, and also, show them as OPTIONAL. Rotate drawing so tank longitudinal centerline is horizontal across the page like other coverplates figures.

New Figure 8.6 - Same stuff with thermowell and sample line. Must show as OPTIONAL. Longitudinal centerline is OK as shown.

New Figure 8.7 - Correct the coverplate thickness to 1 3/4" on the OD edge of the coverplate (2 3/4 is in error) and to 2 3/4" on full plate thickness (3 1/4 is in error). Add a section of a 22" nozzle and nozzle flange to this drawing for reference.

New Figure 8.8 - I cannot comment on the Protective Housing dimensions. I have no knowledge of them.

I cannot read the Midland drawing detailed dimensions because of the fax quality. No comments on them at this time.

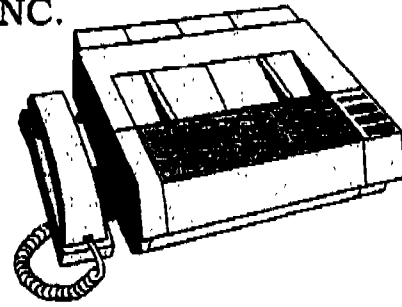
Handwritten signature of Curtis R. Cooper, followed by the date 6/13.

CMA 110192



THE CHLORINE INSTITUTE, INC.

2001 L Street, NW, Suite 506
 Washington, DC 20036
 202-775-2790
 202-223-7225 (Fax)
<http://www.ci2.com>



DATE: May 13, 1997

TO: George Marshall (Occidental Chemical) 512-776-6150
 Wendy Sherman (CMA - CHEMSTAR®) 703-741-6091
 Jerry Portis (Midland Manufacturing) 847-677-0138
 Paul Kinnecom (AAR) 202-639-2930
 Alex Kass (Design Core) 315-635-2466
 Curt Cooper (PPG Industries) 412-434-3573 412-434-3640

FROM: M.E. Lyden *Mike*

MESSAGE: M-1002 Proposed Figures (AAR Docket T94.1.1 - 1995)

ATTACHED for your review are drafts of four proposed figures for eventual inclusion in Appendix E of M-1002 as part of the specification for vinyl chloride tank cars:

I. New Figure E8.5 - Manway Cover for 20" Manway (Vinyl Chloride Tank Cars)

Section E-E and Section F-F would appear on this page. Existing Figures E8.4, E9.5, E9.7 and E9.11 are referenced.

II. New Figure E8.6 - Manway Cover for 22" Manway (Vinyl Chloride Tank Cars)

Like new Figure E8.5, except for new E8.7.

III. New Figure 8.7 - Detail of Cover and Nozzle Joint for 22" Manway

This lacks the nozzle joint portion similar to Figure E8.4. Need to get a tank builder's drawing on this to complete.

IV. New Figure ?? - Protective Housing for 20" and 22" Manway (Vinyl Chloride Tank Cars)

This is based on Figure 6 from CGA Pamphlet P-10. I believe this is needed so that the emergency kit will work. This should be confirmed.

Please note these new figures are based on Midland Manufacturing Corporation Drawing 9056-CS and 9057-CS (ATTACHED). The package has not been fully checked. The dimensions in Section A-A of Drawing 9057-CS are for an 18-inch, not a 20-inch cover. See Figure E8.4.

Would like direction from the AAR on the need for metric equivalents to these figures and assignment of figure numbers. Help is welcome from all. Wendy will advise us if a phone conference is necessary.

*dealing
up 4" in
27"
Midland - won't fit over
can provide drawing
not go. change
change*

TOTAL PAGES ► 6 (not including cover sheet)

MEL:kav
 M-1002.FAX

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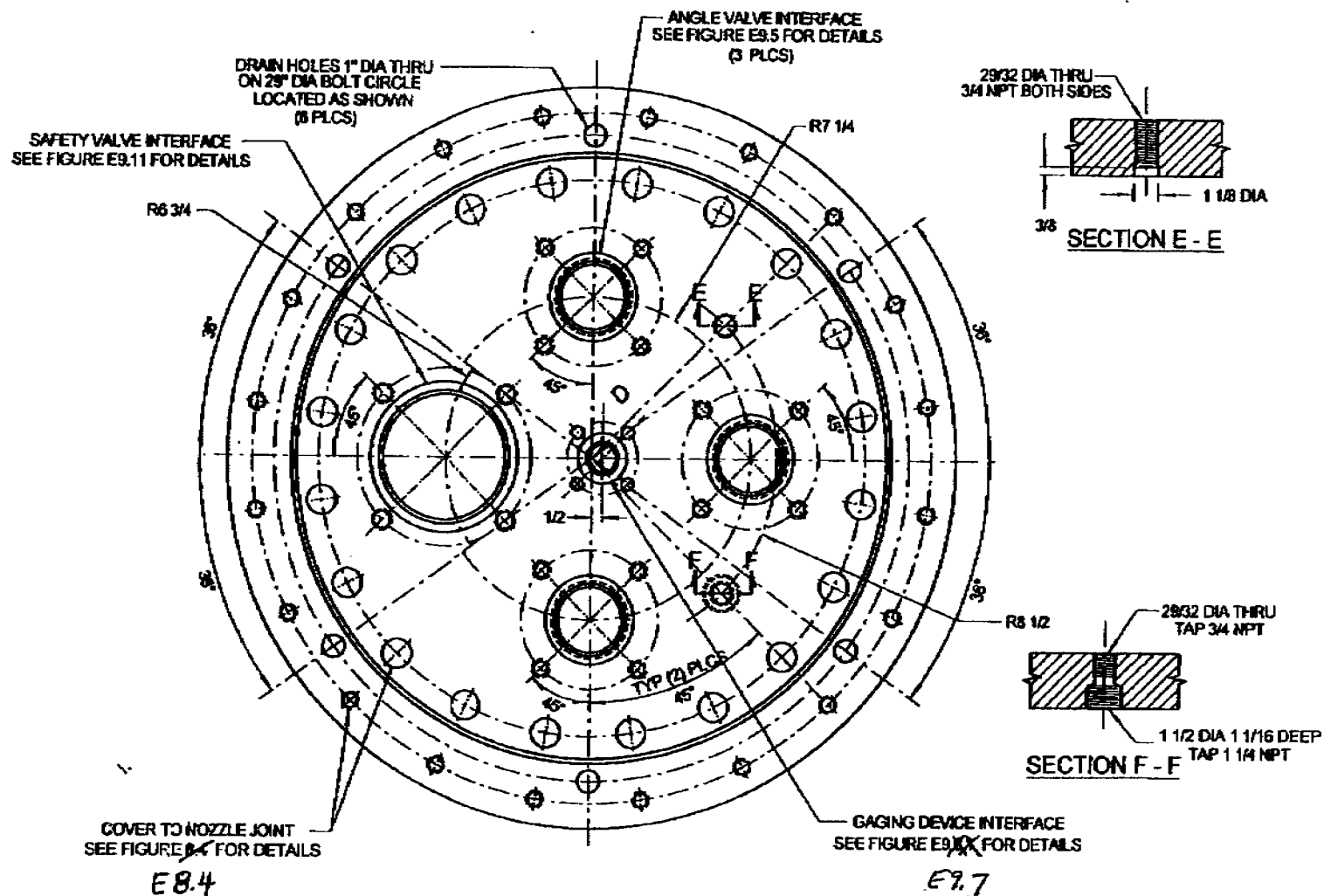
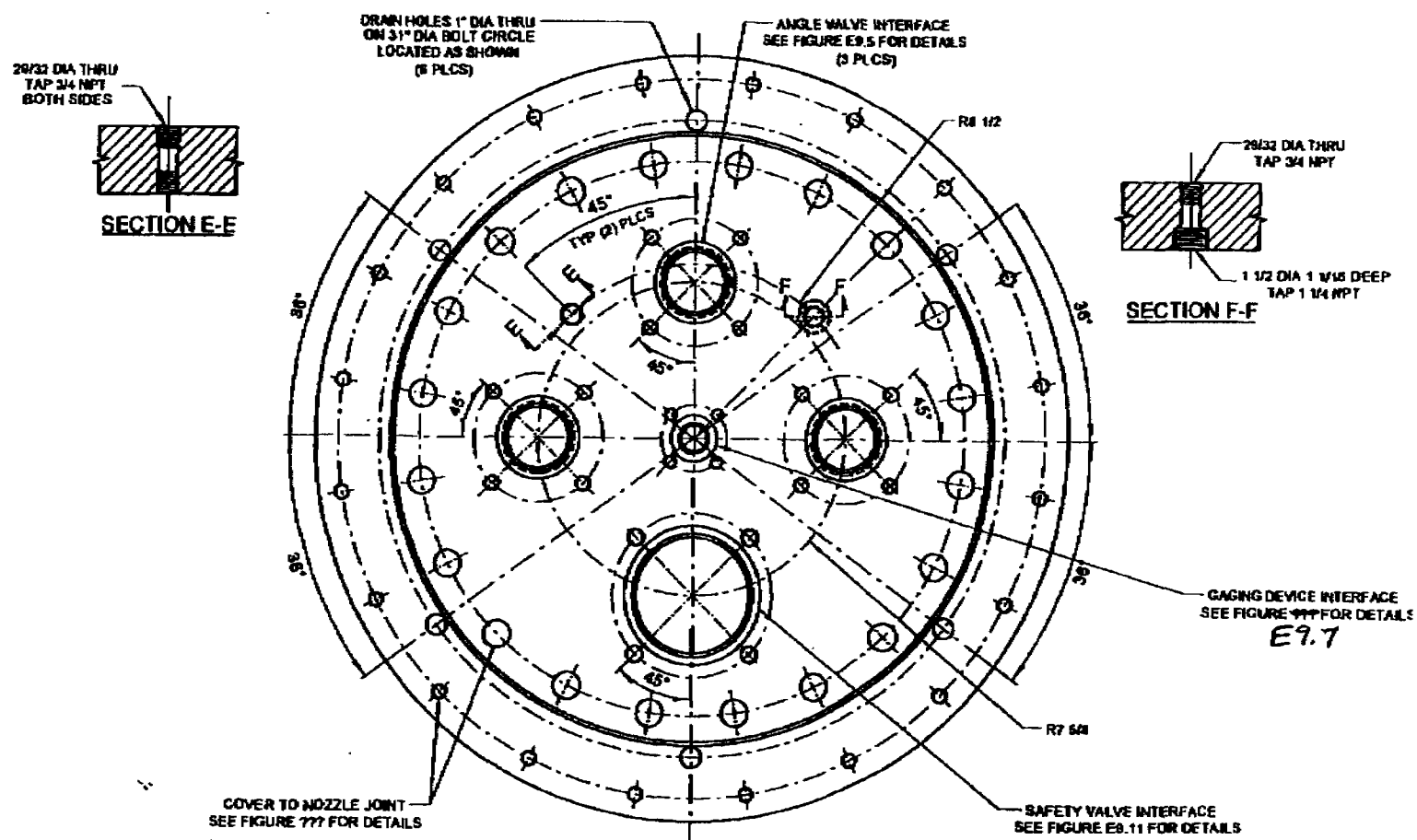


FIGURE E8.5
MANWAY COVER FOR 20" MANWAY
VINYL CHLORIDE TANK CARS



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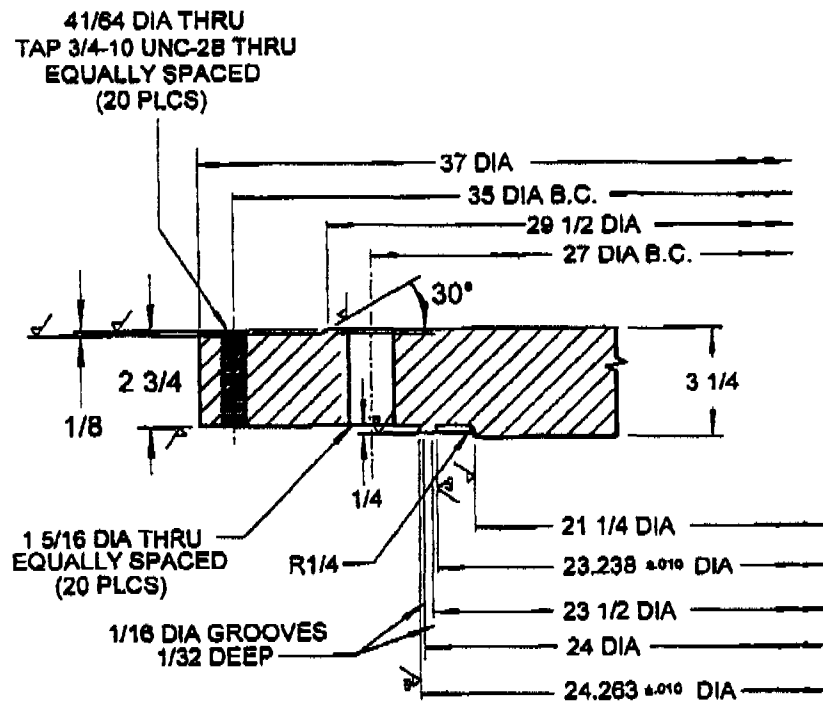


FIGURE ????
DETAIL FOR COVER TO NOZZLE JOINT
FOR 22" MANWAY VINYL CHLORIDE TANK CARS

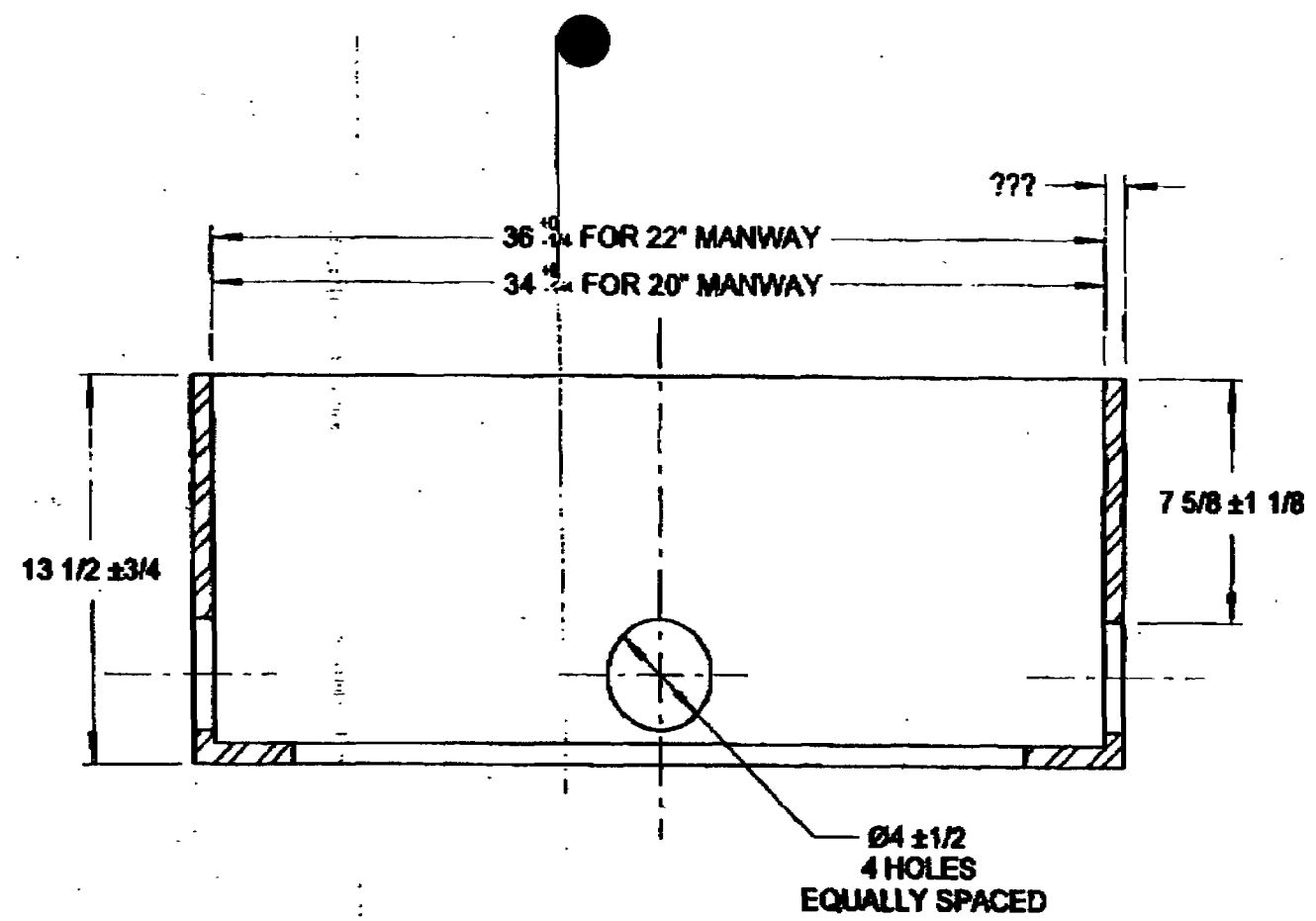
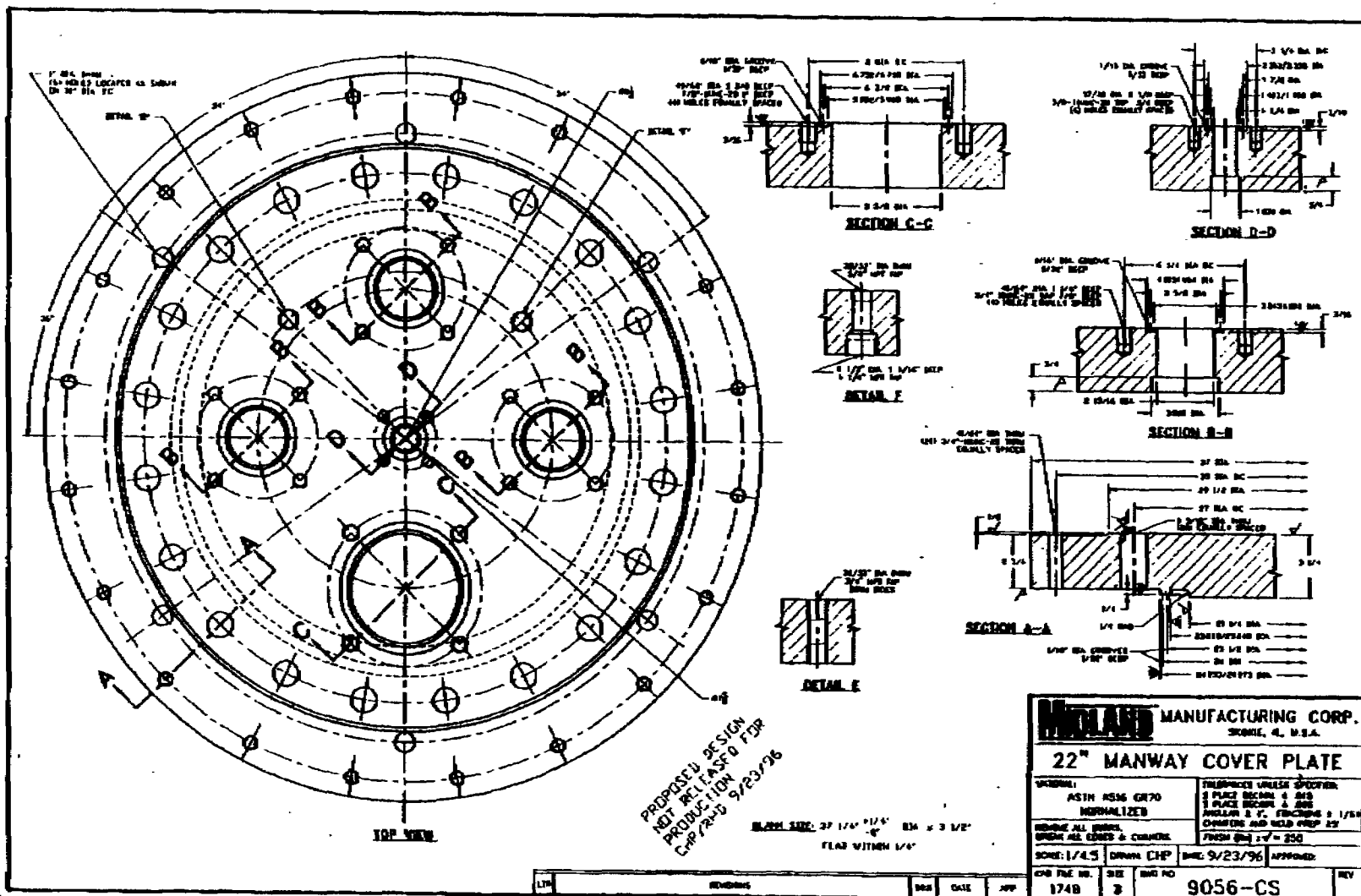


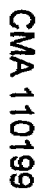
FIGURE ?? (6)
PROTECTIVE HOUSING FOR 20" AND
22" MANWAY VINYL CHLORIDE TANK CARS

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IV



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Col Springs
end of July