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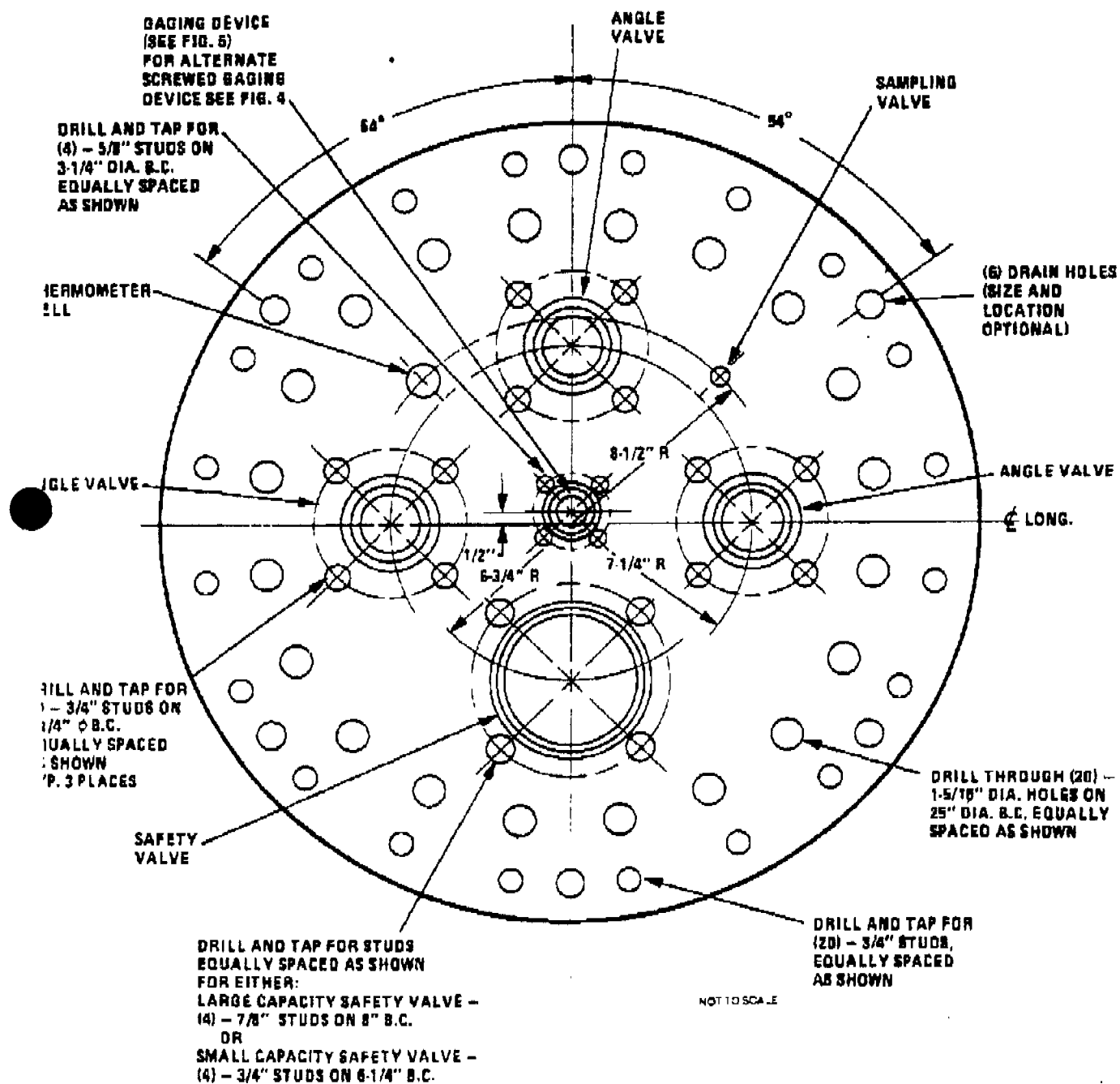
TO: Frank Principe CMA
Fax #: 703 741-6257
FROM: Mike Lyden
RE: VCM Drawing - 141002

Pages: (including cover sheet)

See ATTACHED for CGA Pamphlet P-10
Figures like this is what's needed.
I do believe it is an 20" NOT 18"
MANWAY cover

**STANDARD FOR
VINYL CHLORIDE MONOMER
TANK CAR
MANWAY COVER AND
PROTECTIVE HOUSING
ARRANGEMENT AND
EMERGENCY SAFETY KIT**





**FIGURE 2.1
STANDARD MANWAY COVER FOR 20" MANWAY
VCM TANK CARS**

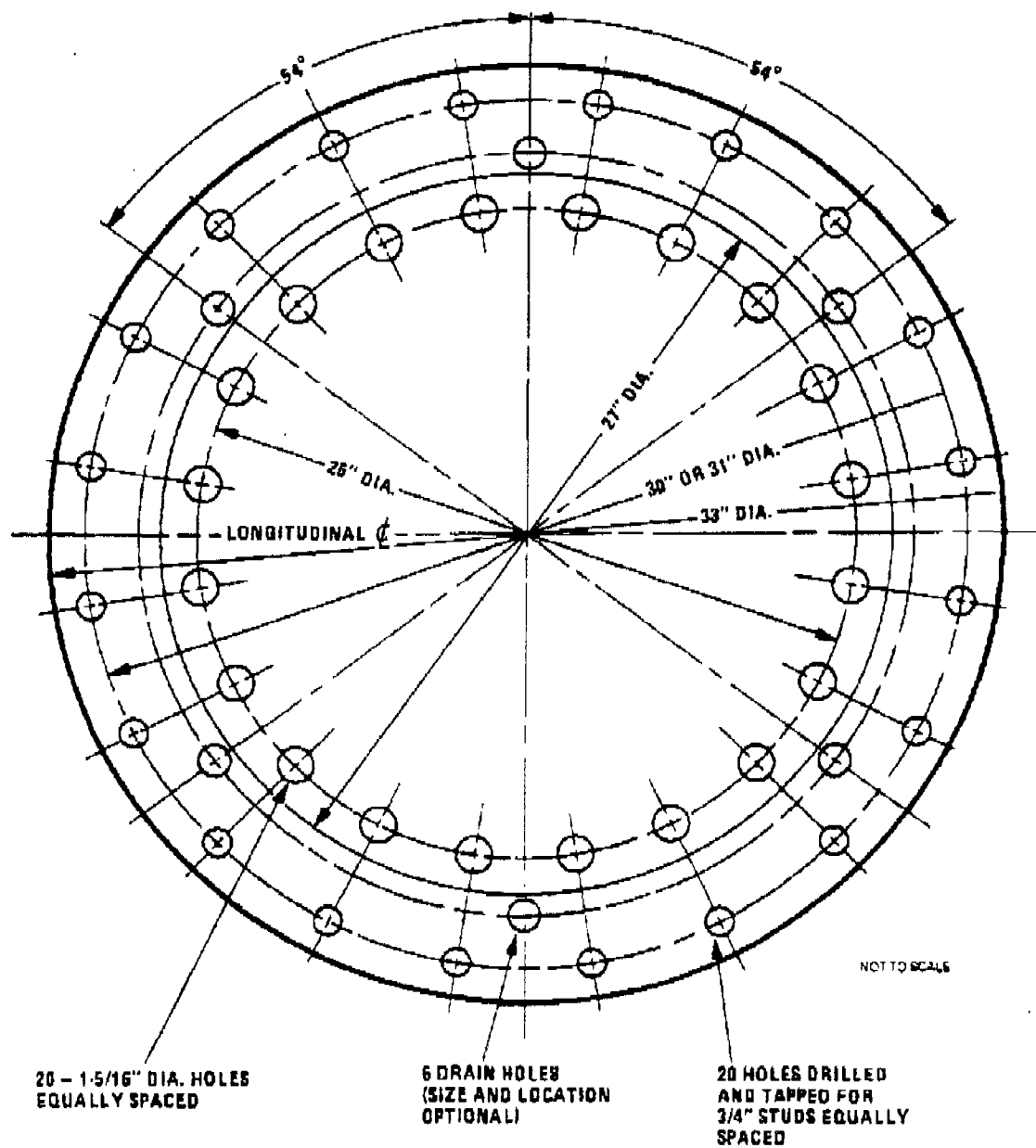


FIGURE 2.2
STANDARD MANWAY COVER FOR 20" MANWAY
VCM TANK CARS

COMPRESSED GAS ASSOCIATION, INC.

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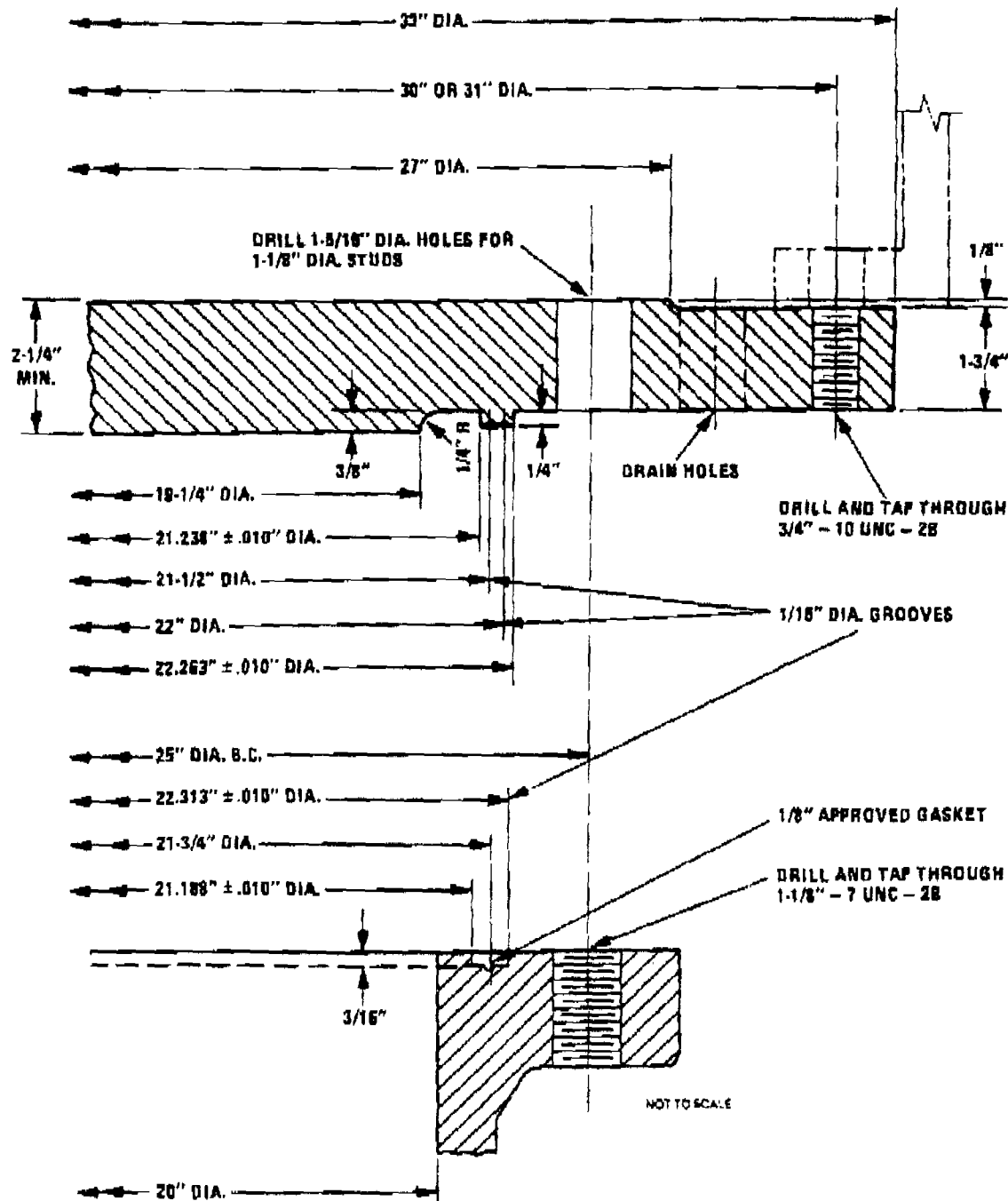
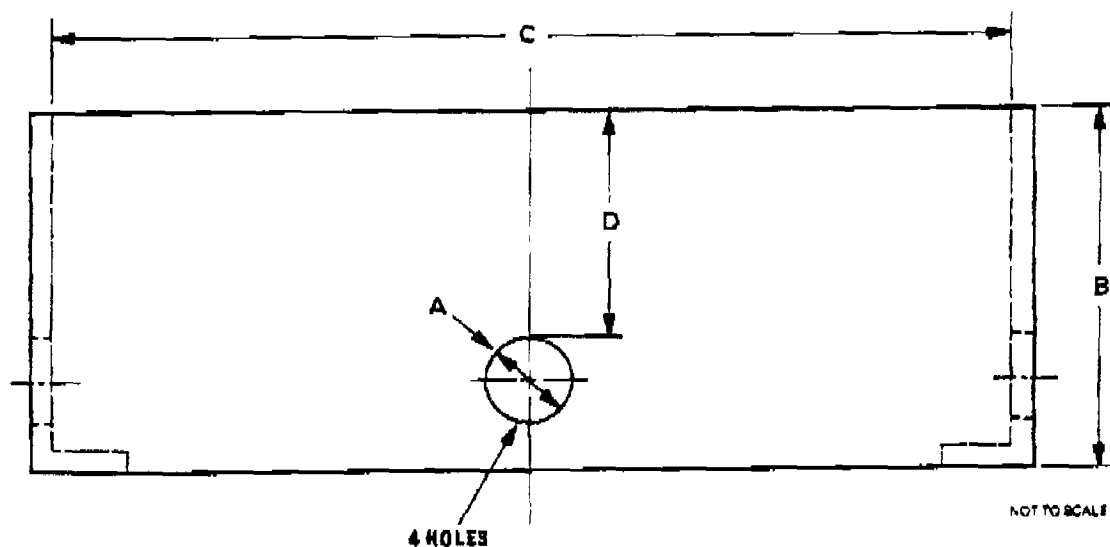


FIGURE 2.3
DETAIL OF COVER AND NOZZLE JOINT
FOR 20" MANWAY VCM TANK CARS

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COMPRESSED GAS ASSOCIATION, INC.



<u>DIMENSION</u> <u>(INCHES)</u>	<u>MAX.</u>	<u>MIN.</u>
A	4-1/2	3-1/2
B	14-1/4	12-3/4
C	34	33-3/4
D	8-3/4	6-1/2

NOTE: The Safety Kit can be applied to manway housing as shown. To avoid interference problems, however, care should be taken in design of details not shown, such as port holes, swing covers or other attachments.

FIGURE 6
PROTECTIVE HOUSINGS
VCM TANK CARS