

NOTES, UNLESS OTHERWISE SPECIFIED:

REV	DESCRIPTION	REVISIONS	DATE	APPROVED
G	Defined Enclosure Ht. = 1500 MM & G2		2/23/96	
H	Nomenclature change sheet 1 and 2		08/06/96	
I	SEE SH1 1		07/28/96	

Note:
Thermal enclosures must not protrude above center section top plate.

Telescope
Center section

Laser beam center line
Thermal enclosure (4)
SPARE

Thermal enclosure (3)
CRCS

Thermal enclosure (2)
PCS

Thermal enclosure (1)
M2 + GIS

Access
Gantry

center section top plate.

1500
519.50
300.00

Laser port, behind

Y-

Y+

X-

X+

Thermal Enclosure Dimensions
w = 800 d = 650 h = 1500

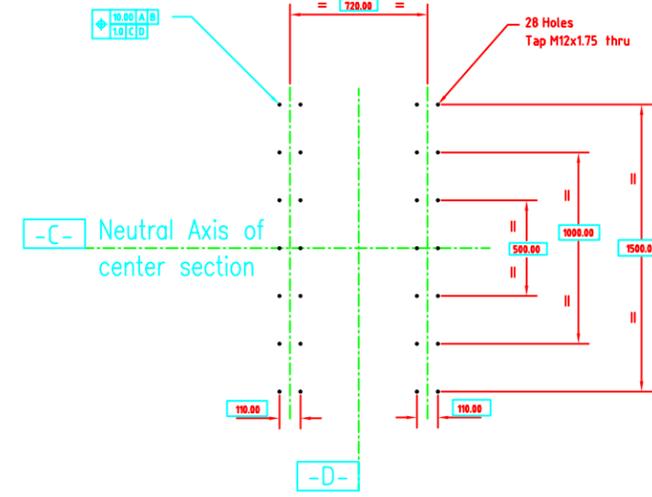
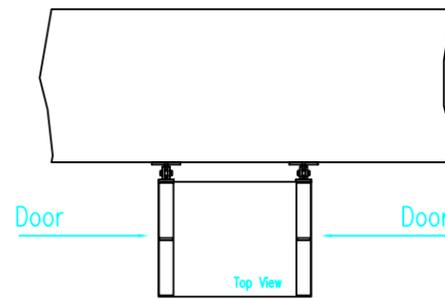
ITEM NO.	QTY	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION	PROCUREMENT SPECIFICATION	NOTES																																				
<p>UNLESS OTHERWISE SPECIFIED</p> <ul style="list-style-type: none"> DIMENSIONS ARE IN MILLIMETERS GENERAL TOLERANCES: DIMS: ±0.5 JOG = ±0.2 ANGLES: ±1° FINISH: ALL SURFACES AND BREAK SHARP EDGES 0.5 MAX. RUNOUT ADJACENT MACHINED COUSAL DA 0.25 FIM INSPECTION OF SURF FINISHES IS PER FED-STD-150/20, SYSTEM 2 																																									
<p>HOLE TOLERANCES</p> <table border="1"> <tr> <td>Ø3</td> <td>+0.10</td> <td>Ø3.18</td> <td>+0.13</td> <td>Ø3.36</td> <td>+0.15</td> </tr> <tr> <td>THRU</td> <td>-0.05</td> <td>THRU</td> <td>-0.05</td> <td>THRU</td> <td>-0.05</td> </tr> <tr> <td>Ø12.71</td> <td>+0.20</td> <td>Ø12.70</td> <td>+0.25</td> <td>Ø12.70</td> <td>+0.30</td> </tr> <tr> <td>THRU</td> <td>-0.05</td> <td>THRU</td> <td>-0.05</td> <td>THRU</td> <td>-0.05</td> </tr> <tr> <td>Ø19.05</td> <td>+0.30</td> <td>Ø19.05</td> <td>+0.35</td> <td>Ø19.05</td> <td>+0.40</td> </tr> <tr> <td>THRU</td> <td>-0.05</td> <td>THRU</td> <td>-0.05</td> <td>THRU</td> <td>-0.05</td> </tr> </table>						Ø3	+0.10	Ø3.18	+0.13	Ø3.36	+0.15	THRU	-0.05	THRU	-0.05	THRU	-0.05	Ø12.71	+0.20	Ø12.70	+0.25	Ø12.70	+0.30	THRU	-0.05	THRU	-0.05	THRU	-0.05	Ø19.05	+0.30	Ø19.05	+0.35	Ø19.05	+0.40	THRU	-0.05	THRU	-0.05	THRU	-0.05
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<p>DRAWN: G. J. Postland DATE: 05/26/95</p>																																									
<p>ENG: DATE: 05/26/95</p>																																									
<p>APP'D: DATE: 05/26/95</p>																																									
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<p>DWG NO.: 90-GP-0001-0043</p>																																									
<p>REV: 1</p>																																									
<p>SHEET 2 OF 3</p>																																									

GEMINI 8-M Telescopes
Project
Operated by the
Association of Universities for Research in Astronomy, Inc. (AURA)
under cooperative agreement with the National Science Foundation

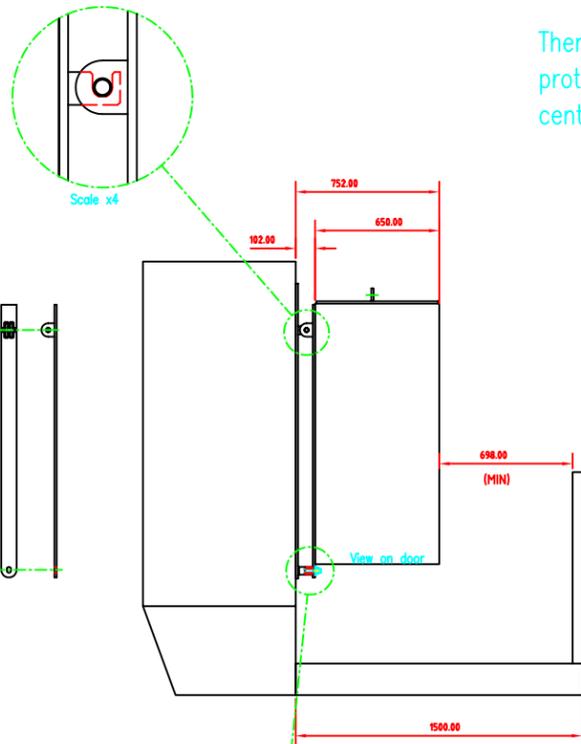
Electronics Crate positions

NOTES, UNLESS OTHERWISE SPECIFIED:

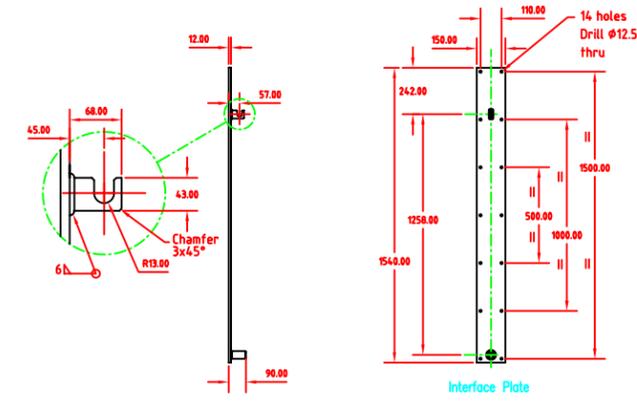
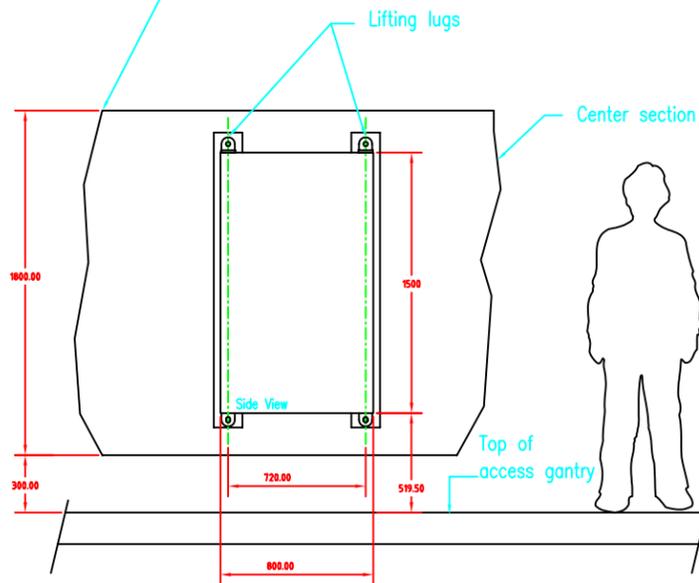
REV	DESCRIPTION	DATE	APPROVED
D	Crate size changed 1000 new 800, 600 new	6/23/95	
D	450 height new TBD.	6/23/95	
G	TBD Ht. now 1500 @ C4	2/29/96	
H	Nomenclature change sheet 1 and 2	08/06/96	
I	SEE SH1 1	8/28/96	



Center Section Hole Pattern
Centered on each crate position shown in sheet 2



Thermal enclosures may not protrude above center section top plate.



Two plates bolted to center section at each crate position.

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<p>UNLESS OTHERWISE SPECIFIED * DIMENSIONS ARE IN MILLIMETERS * DECIMALS: .1 = 0.5 .01 = 0.2 ANGLES: 1:1 * PARENTHETICAL INFORMATION IS FOR REFERENCE ONLY * REMOVE ALL BURRS AND BREAK SHARP EDGES 0.5 MAX * FINISH ADJACENT MACHINED SURFACES TO 0.25 P10 * RESPECTION OF SCREW THREADS IS PER FED-STD-HDR/20, SYSTEM 21</p>					
<p>HOLE TOLERANCES .33 +.10 -0.03 THRU 3.18 3.18 +.20 -0.03 THRU 6.35 6.35 +.25 -0.03 THRU 12.70 12.71 +.30 -0.03 THRU 25.40 25.41 +.30 -0.03 THRU 50.80</p>					
<p>CONTRACT NO. 90-GP-0001-0043</p>					

GEMINI 8-M Telescopes Project
 Electronics Crate Locations
 90-GP-0001-0043

H
G
F
E
D
C
B
A

H
G
F
E
D
C
B
A

8 7 6 5 4 3 2 1

8 7 6 5 4 3 2 1