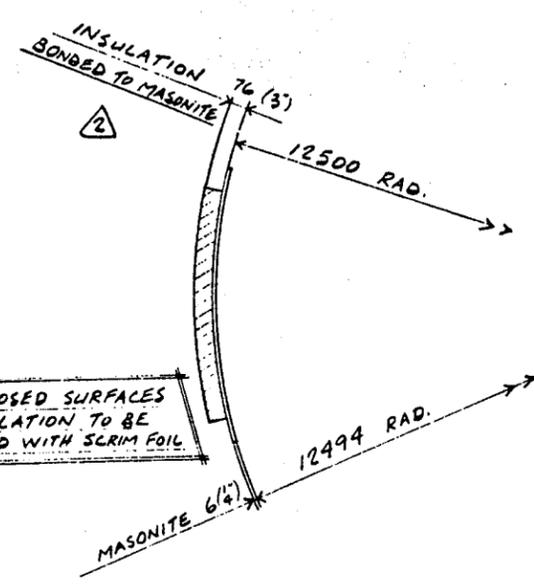


NOTE!
ALL VERT. DIM'S.
ARE TRUE DIM'S.
ON CURVE TYP.

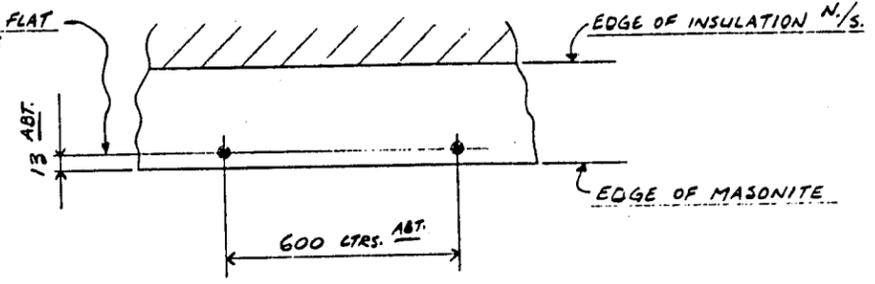
68 REQ'D ~ MK. A9
(PANELS A, B, C, D, E, F, G, H & I)



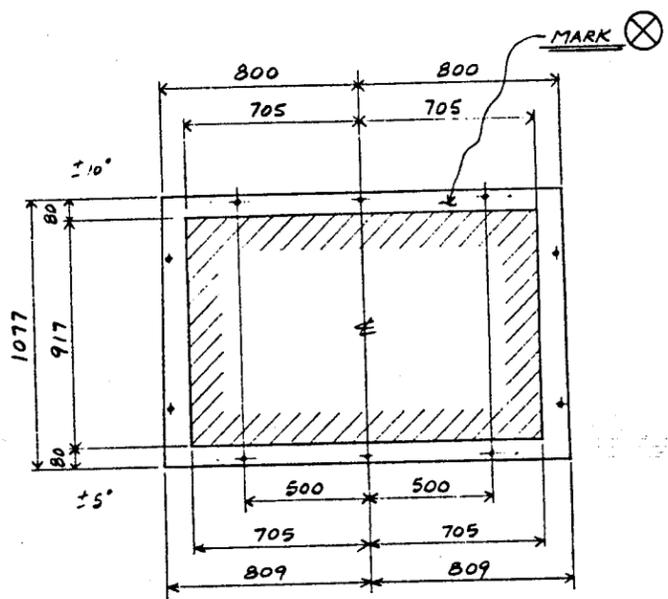
SECTION A-A TYP.

HOLES TO SUIT #8 FLAT
HEAD WOOD SCREWS
COUNTERSUNK F/S.

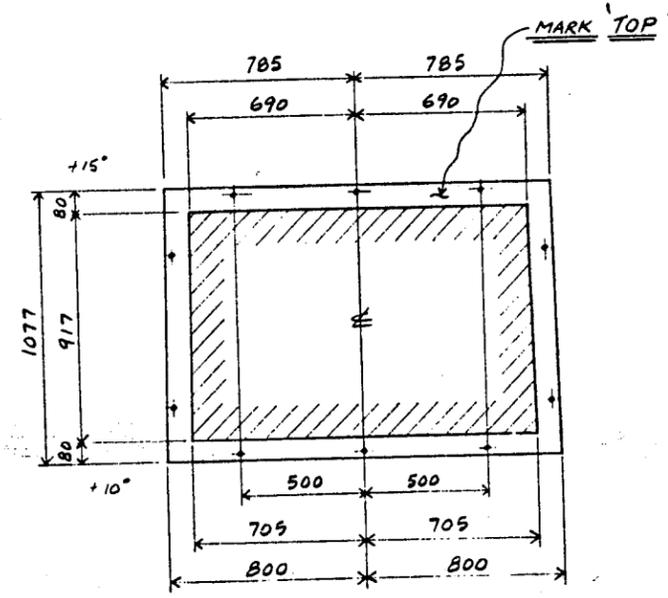
NOTE!



SCREW HOLE DETAIL



68 REQ'D ~ MK. B9
(PANELS A, B, C, D, E, F, G, H & I)



34 REQ'D ~ MK. C9
(PANELS A, B, C, D, E, F, G, H & I)

GENERAL NOTES:

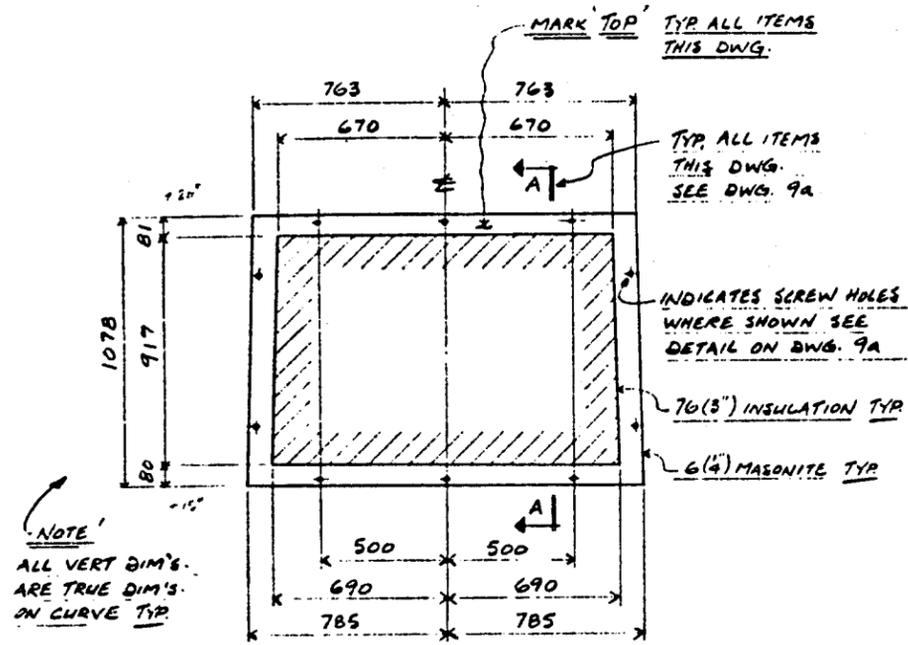
- 1) FOR FIELD INSTALLATION SEE DWG. 9H
- 2) SEE SPEC'S. FOR INSULATION & SCRIM FOIL TYPE.
- 3) INSULATION MUST BE FORMED TO RADIUS CURVE.
- 4) LINER MAT'L. IS 6(1/4) THK. OIL TEMPERED MASONITE.
- 5) BONDING AGENT REQ'D. SUPPLIER TO DETERMINE QUANTITY.
- 6) FOR CUTTING & NESTING OF INSULATION SEE DWG. N16.
- 7) FOR SCRIM FOIL CUTTING SEE DWG. SC2.
- 8) FOR CUTTING & NESTING OF MASONITE SEE DWG. N2.

ADDITIONAL PLAIN MATERIAL TO BE SHIPPED TO SITE, IN CASE OF UNACCEPTABLE DAMAGE TO PRE-CUT PANELS DURING SHIPPING OR HANDLING.

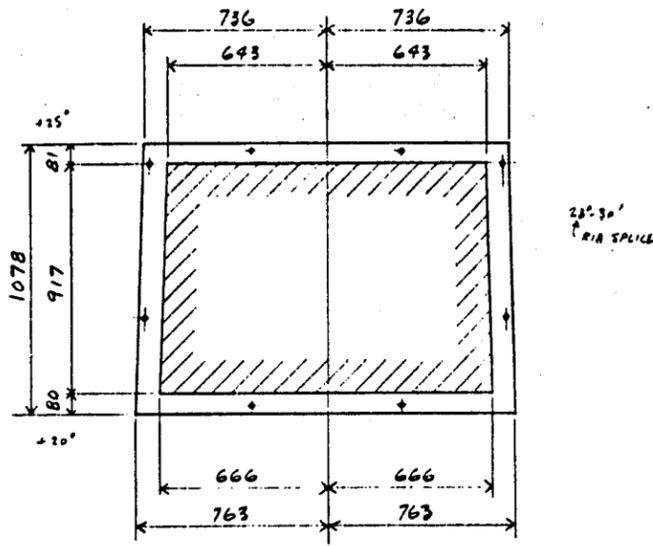
- 1 - SCRIM FOIL 1270(50) WIDE x 60960(200'-0") LG.
- 10 SHEETS 1219 x 2438 x 6.35 (4'x8'x1/4") OIL TEMPERED MASONITE.
- 2 - 10 SHEETS 1219 x 2438 x 76.2 (4'x8'x3") INSULATION (AS PER SPEC'S.)
- BONDING AGENT FOR AFFIXING INSULATION (SUPPLIER TO DETERMINE QUANTITY REQUIRED)

	MATERIAL	SEE NOTES	DETAILS MAIN SHELL		
	SURF PREP & PAINT	SEE NOTES	LINING & INSULATION		
	OPEN HOLES	AS NOTED	FOR 1.2" TELESCOPE DOME LA PALMA		
	DRAWN	DATE	CHECKED	DATE	
	G.V.A.	SEPT '85		DRAWING NO	1420-9a
BRITTAIN STEEL LTD. 481 SALTER AVENUE, NEW WESTMINSTER, B.C.					
SHOP DEPARTMENT		INS / F / S / O / M / T / P / SH / DP / AS / PA / ER			

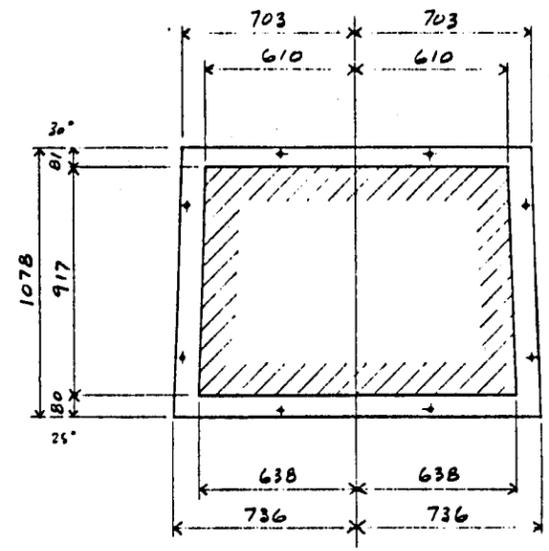




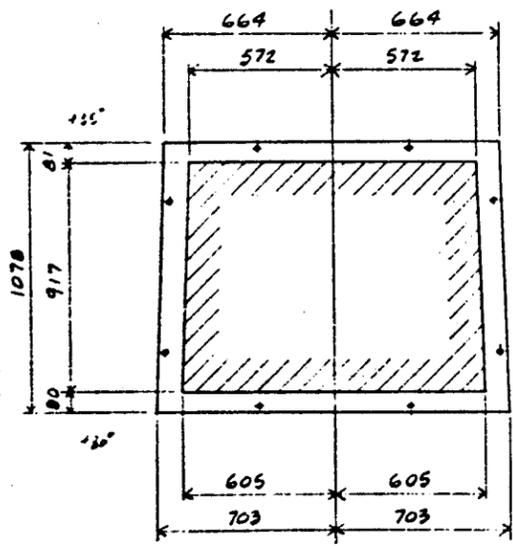
34 REQ'D ~ MK. D9
(PANELS A, B, C, D, E, F, G, H, I)



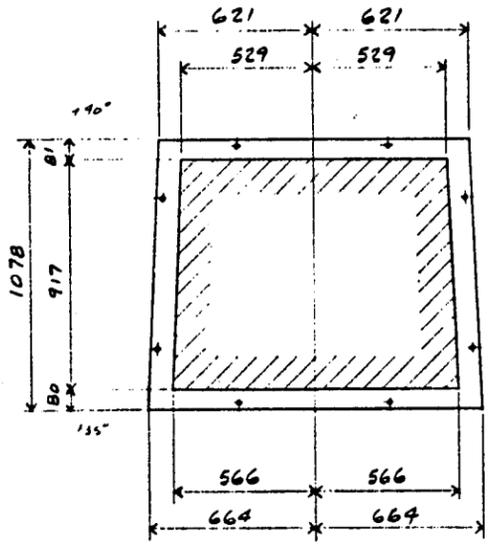
34 REQ'D ~ MK. F9
(PANELS A, B, C, D, E, F, G, H, I)



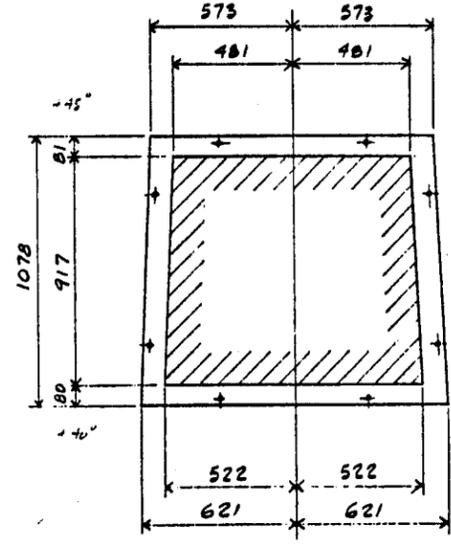
34 REQ'D ~ MK. G9
(PANELS A, B, C, D, E, F, G, H, I)



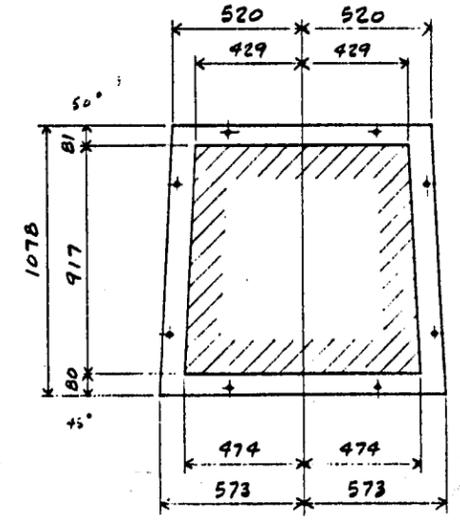
34 REQ'D ~ MK. H9
(PANELS A, B, C, D, E, F, G, H, I)



34 REQ'D ~ MK. K9
(PANELS A, B, C, D, E, F, G, H, I)



30 REQ'D ~ MK. M9
(PANELS A, B, C, D, E, F, G, H)

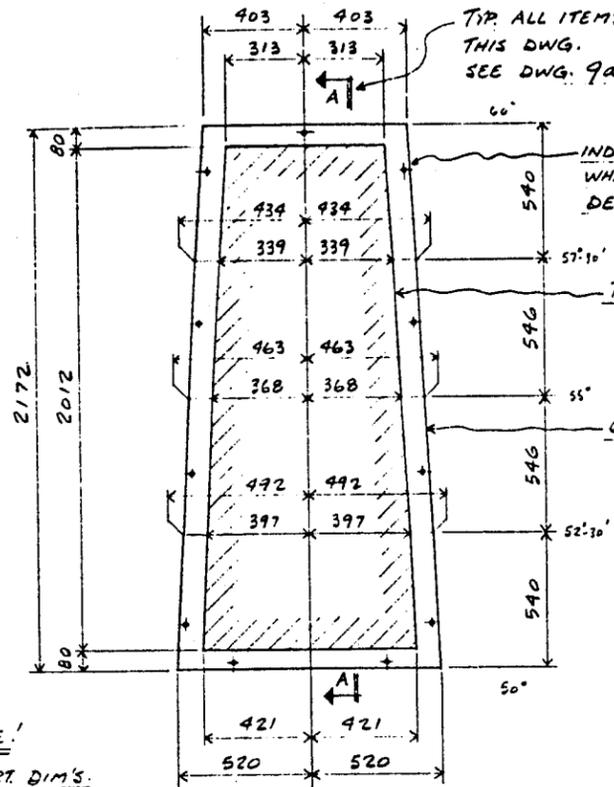


30 REQ'D ~ MK. N9
(PANELS A, B, C, D, E, F, G, H)

FOR GENERAL NOTES AND ADDITIONAL INFORMATION SEE DWG. 9a.

BRITAIN	MATERIAL	DETAILS MAIN SHELL	
	SURF PREP & PAINT	LINERS & INSULATION	
OPEN HOLES		FOR 2.2M TELESCOPE DOME LA PALMA	
DRAWN	DATE	CHECKED	DATE
G.V.A.	5/25/63		
BRITAIN STEEL LTD. 401 BALLET AVENUE, NEW WESTMINSTER, S.E.			DRAWING No 1420-96



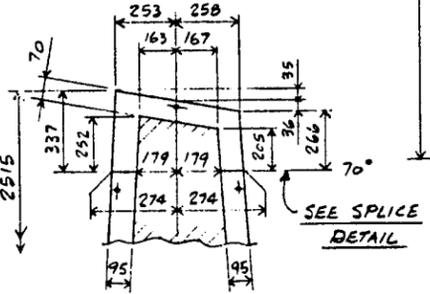


26 REQ'D ~ MK. P9
(PANELS A, B, C, D, E, F + G)

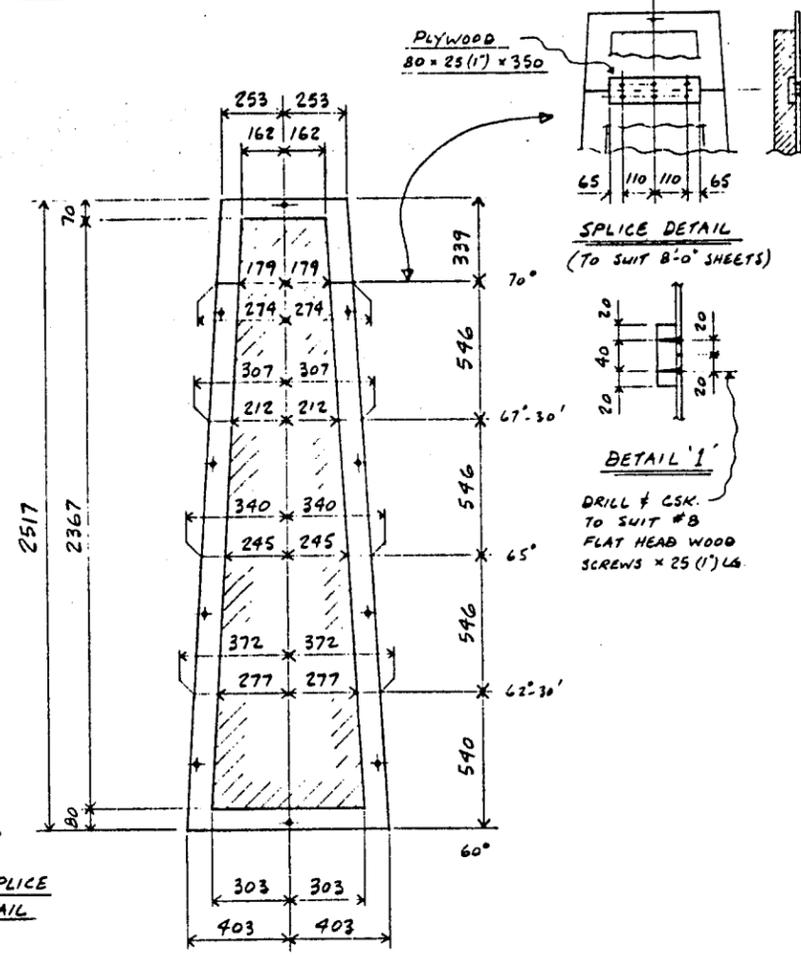
NOTE!
ALL VERT. DIM'S.
ARE TRUE DIM'S.
ON CURVE TYP.

TYP. ALL ITEMS
THIS DWG.
SEE DWG. 9a

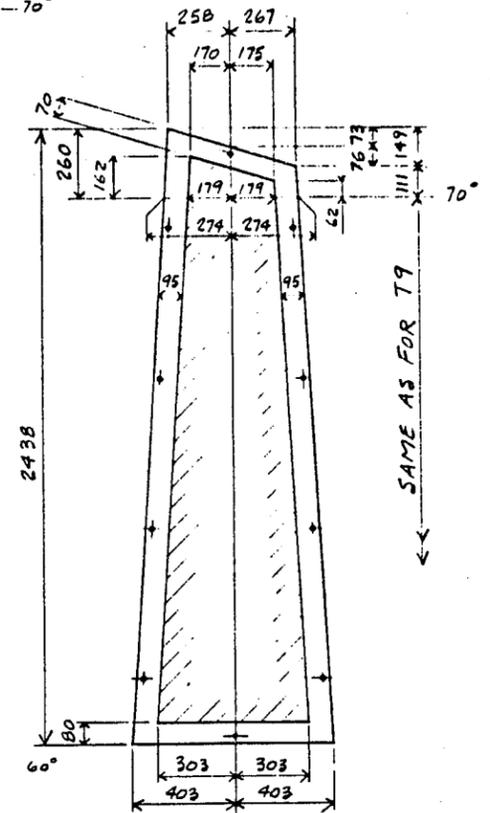
INDICATES SCREW HOLES
WHERE SHOWN SEE
DETAIL ON DWG 9a



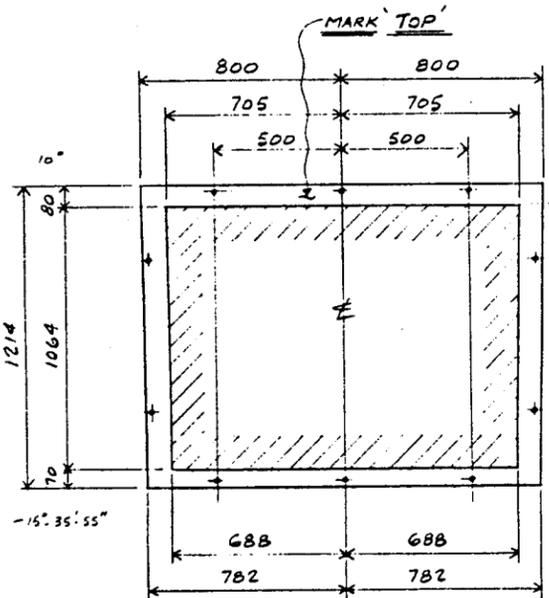
(PANEL B)
2-REQ'D ~ MK. AT9R (AS SHOWN)
2-REQ'D ~ MK. AT9L (LEFT OF SHOWN)
(ALL NOT SHOWN AS FOR T9)



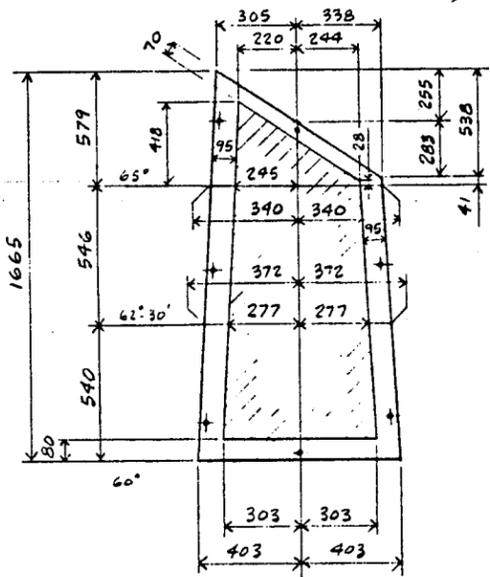
2-REQ'D ~ MK. T9
(PANEL A)



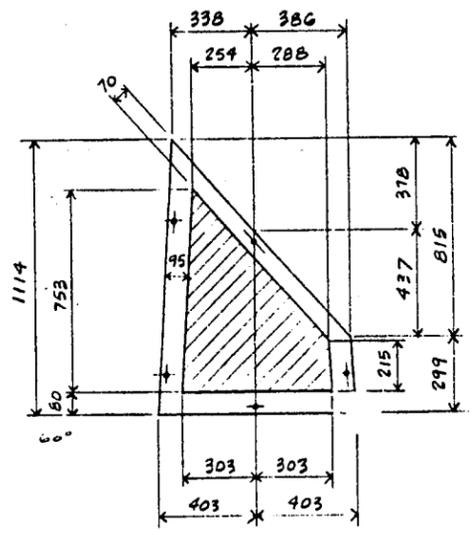
2 REQ'D ~ MK. V9R (AS SHOWN)
2 REQ'D ~ MK. V9L (LEFT OF SHOWN)
(PANEL C)



34 REQ'D ~ MK. S9
(PANELS A, B, C, D, E, F, G, H + I)



2-REQ'D ~ MK. W9R (AS SHOWN)
2-REQ'D ~ MK. W9L (LEFT OF SHOWN)
(PANEL F)



2-REQ'D ~ MK. Y9R (AS SHOWN)
2-REQ'D ~ MK. Y9L (LEFT OF SHOWN)
(PANEL G)

FOR GENERAL NOTES AND ADDITIONAL
INFORMATION SEE DWG. 9a

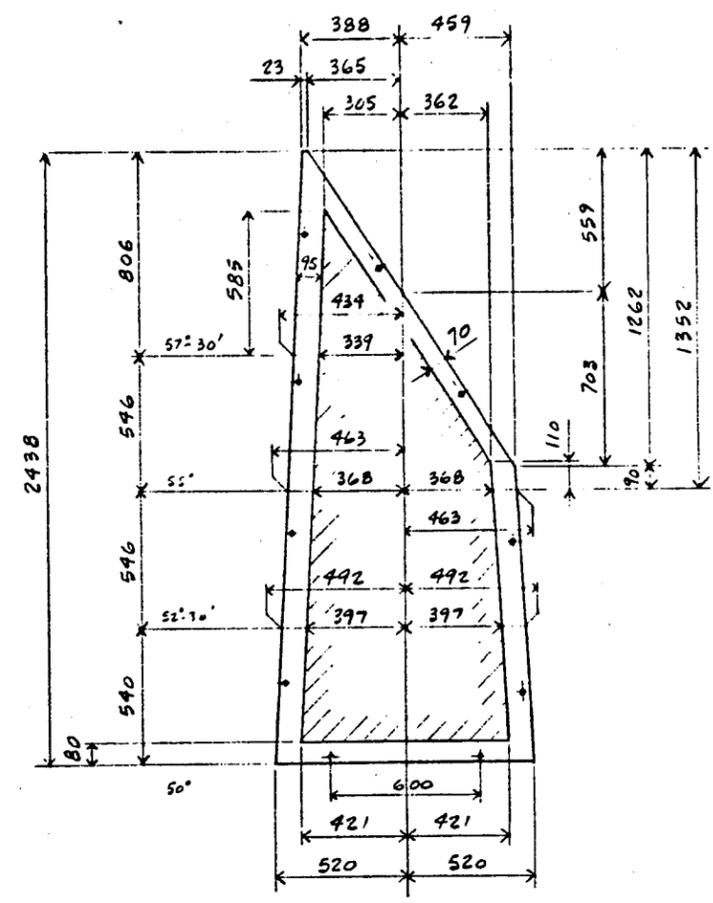
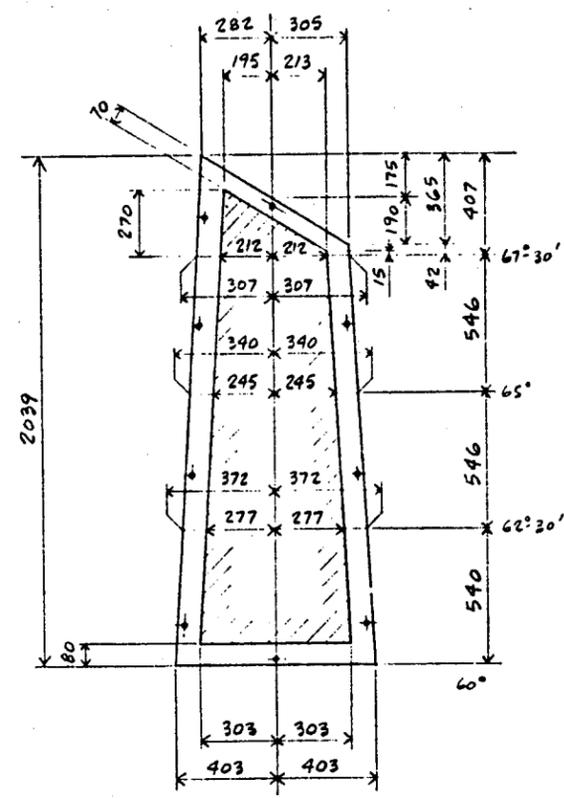
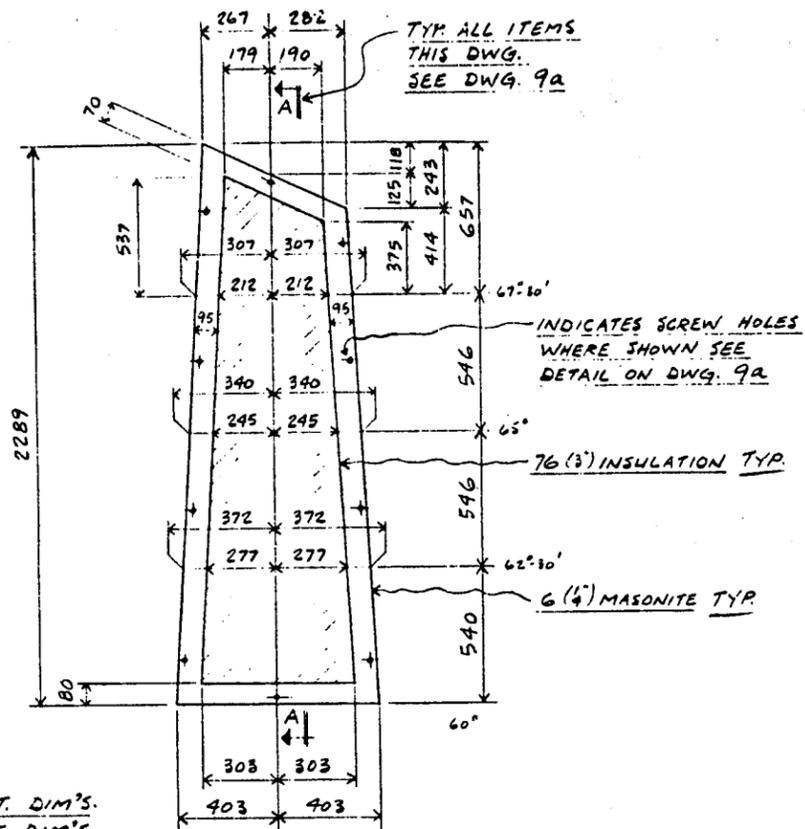
	MATERIAL		DETAILS	MAIN SHELL
	SURF PREP			INSULATION
	PAINT			
OPEN HOLES			FOR	2.2 TELESCOPE DOME
				LA PALMA
DRAWN	DATE	CHECKED	DATE	DRAWING No
G.V.A	SEPT 87			1420-9c
BRITAIN STEEL LTD. 401 SALTER AVENUE, NEW WESTMINSTER, B.C.				
SHOP DEPARTMENT		INS. F. B. O. M. T. P. SH. DP. AS. PA. ER		

p-abcdefghijklmnpstvw

m-abcdefghijklmnpstvw

s-abcdefghijklmnpstvw





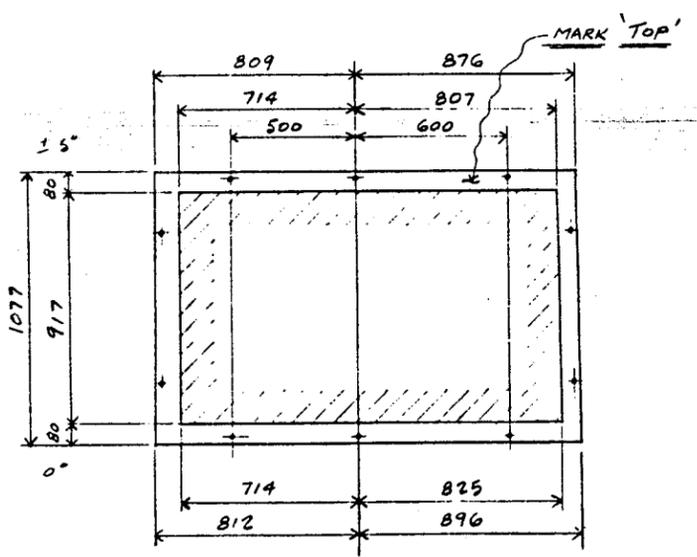
NOTE!
ALL VERT. DIM'S.
ARE TRUE DIM'S.
ON CURVE TYP.

2-REQ'D ~ MK. AA9^R (AS SHOWN)
2-REQ'D ~ MK. AA9^L (LEFT OF SHOWN)
(PANEL D)

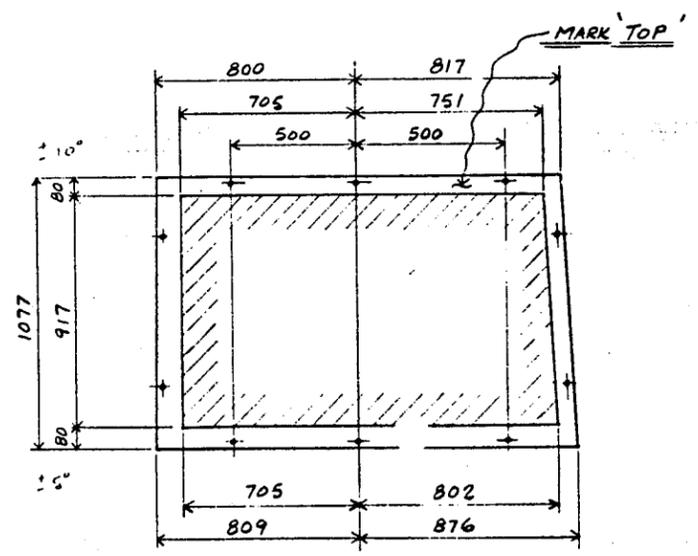
2-REQ'D ~ MK. AB9^R (AS SHOWN)
2-REQ'D ~ MK. AB9^L (LEFT OF SHOWN)
(PANEL E)

2-REQ'D ~ MK. AC9^R (AS SHOWN)
2-REQ'D ~ MK. AC9^L (LEFT OF SHOWN)
(PANEL H)

FOR GENERAL NOTES AND ADDITIONAL
INFORMATION SEE DWG. 9a



4-REQ'D ~ MK. AD9^R (AS SHOWN)
4-REQ'D ~ MK. AD9^L (LEFT OF SHOWN)
(PANEL J)



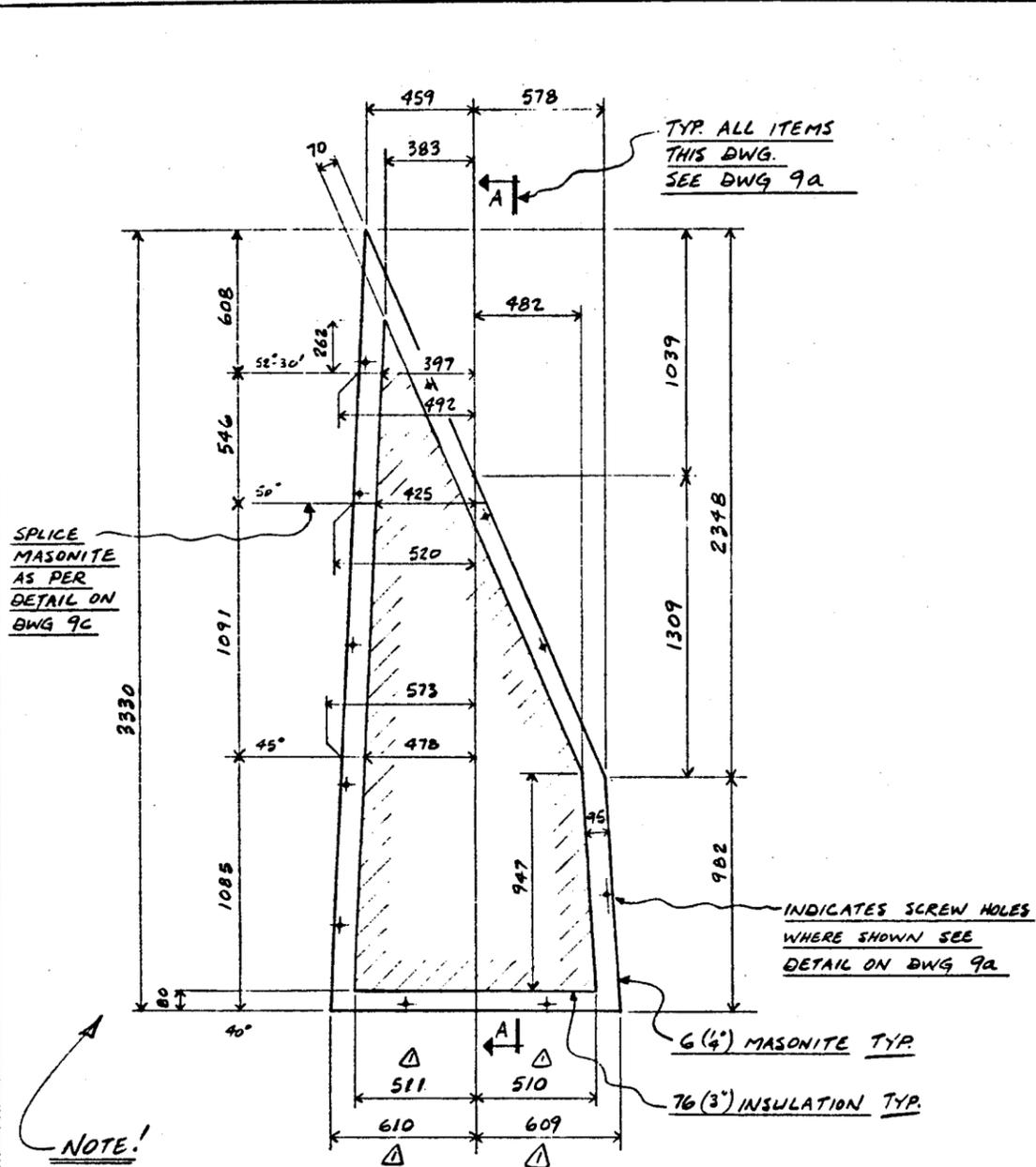
4-REQ'D ~ MK. AF9^R (AS SHOWN)
4-REQ'D ~ MK. AF9^L (LEFT OF SHOWN)
(PANEL J)



MATERIAL		DETAILS	
SLUR PREP & PAINT		MAIN SHELL LINERS & INSULATION	
OPEN HOLES		FOR 4.2 TELESCOPE DOME LA PALMA	
DRAWN	DATE	CHECKED	DATE
G.V.A.	SEPT 83		
DRAWING No. 1420-9d			REV
BRITAIN STEEL LTD. 401 SALTER AVENUE, NEW WESTMINSTER, S.C.			

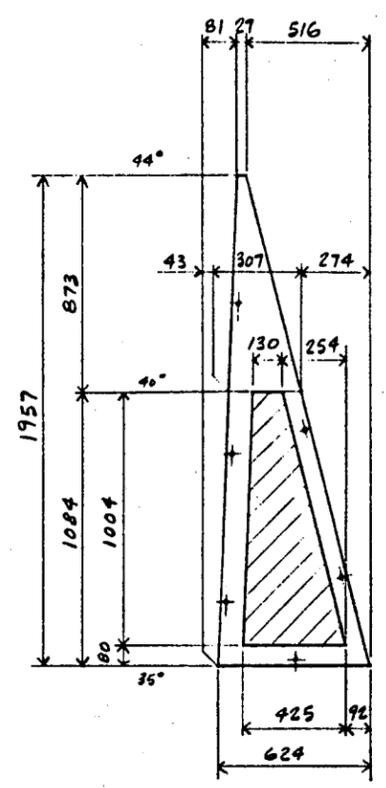
p-abcdefghijklmnpstvw y m-abcdefghijklmnpstvw y s-abcdefghijklmnpstvw y



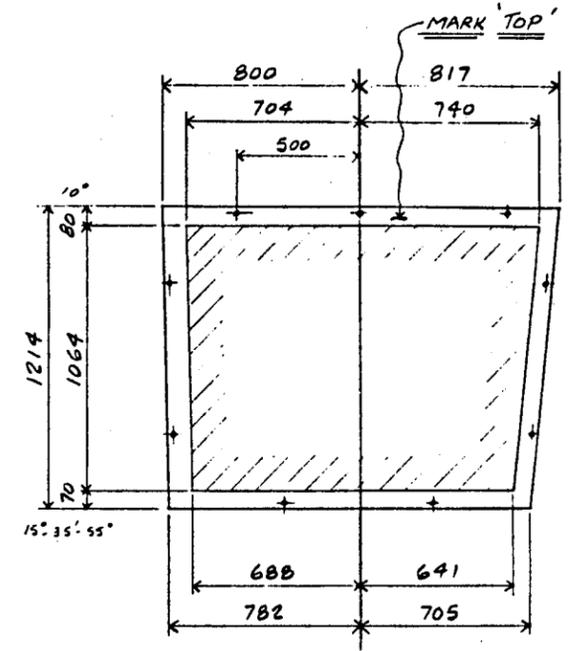


NOTE!
 ALL VERT. DIM'S.
 ARE TRUE DIM'S.
 ON CURVE

2-REQ'D. ~ MK. AG9^R (AS SHOWN)
 2-REQ'D. ~ MK. AG9^L (LEFT OF SHOWN)
 (PANEL I)



2-REQ'D. ~ MK. AH9^R (AS SHOWN)
 2-REQ'D. ~ MK. AH9^L (LEFT OF SHOWN)
 (PANEL J)

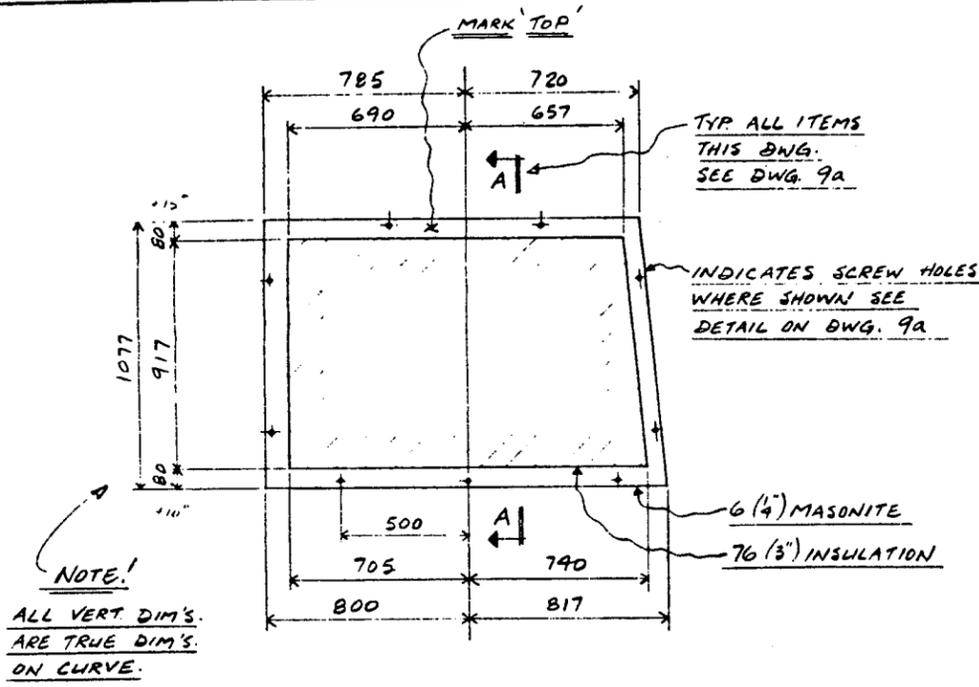


2-REQ'D. ~ MK. AK9^R (AS SHOWN)
 2-REQ'D. ~ MK. AK9^L (LEFT OF SHOWN)
 (PANEL J)

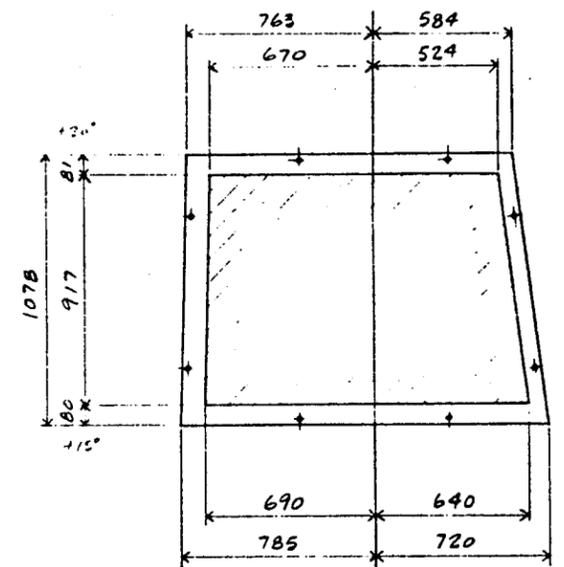
FOR GENERAL NOTES AND ADDITIONAL
 INFORMATION SEE DWG. 9a



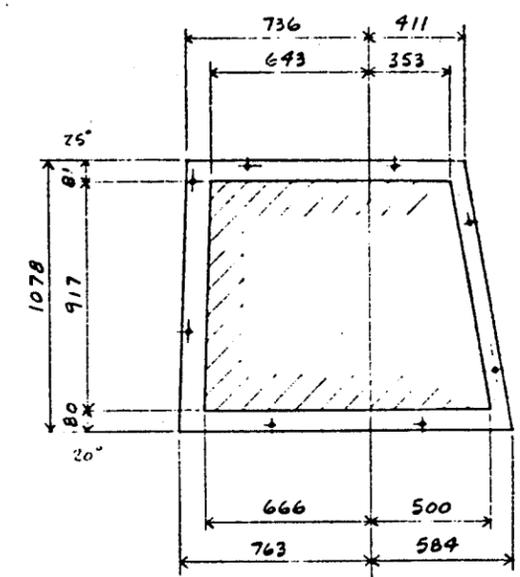
	MATERIAL	G.A. MESH DIMS. ADDED FOR INSUL	
	SURF. PREP. & PAINT	NO.	REVISION
	OPEN HOLES	DETAILS MAIN SHELL LINERS & INSULATION	
FOR 9.2 M TELESCOPE DOME LA PALMA		DRAWING No.	REV
DRAWN G.V.A. DATE Oct/83	CHECKED	DATE	1420-9f
BRITAIN STEEL LTD. 481 SALTER AVENUE, NEW WESTMINSTER, B.C.			



2-REQ'D. ~ MK. AM9R (AS SHOWN)
2-REQ'D. ~ MK. AM9L (LEFT OF SHOWN)
(PANEL J)

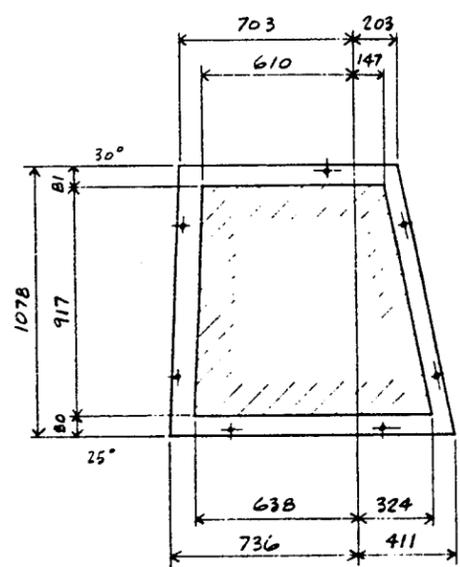


2-REQ'D. ~ MK. AN9R (AS SHOWN)
2-REQ'D. ~ MK. AN9L (LEFT OF SHOWN)
(PANEL J)

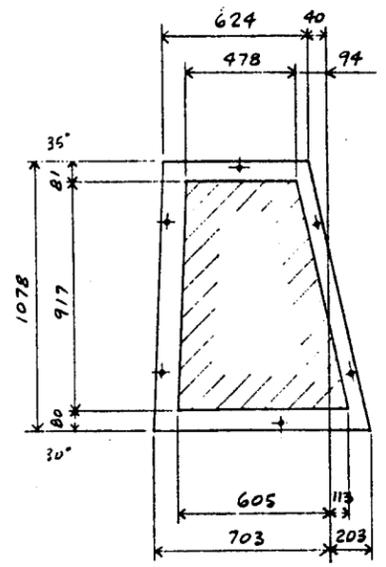


2-REQ'D. ~ MK. AP9R (AS SHOWN)
2-REQ'D. ~ MK. AP9L (LEFT OF SHOWN)
(PANEL J)

ALSO REQ'D. (SUPPLIED BY B.S. LTD.)
4920 - #8 FLAT HEAD WOOD SCREWS x 25 (1") LG. (GALV.)



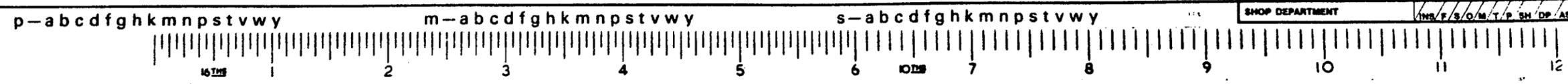
2-REQ'D. ~ MK. AS9R (AS SHOWN)
2-REQ'D. ~ MK. AS9L (LEFT OF SHOWN)
(PANEL J)

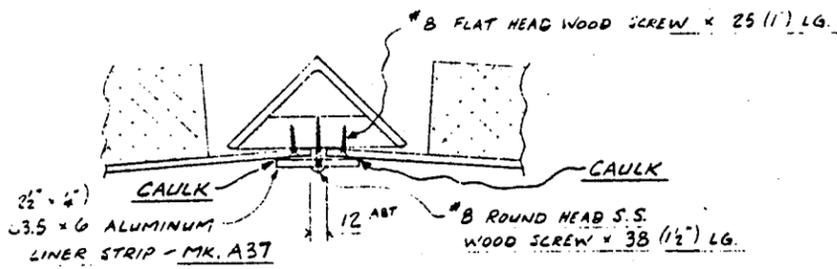


2-REQ'D. ~ MK. AV9R (AS SHOWN)
2-REQ'D. ~ MK. AV9L (LEFT OF SHOWN)
(PANEL J)

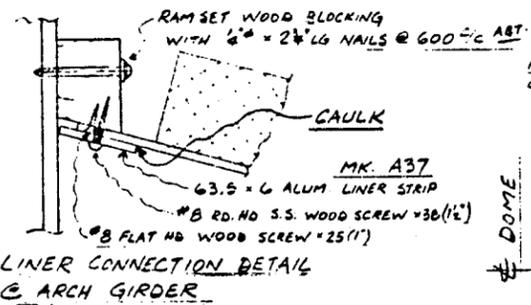
FOR GENERAL NOTES AND ADDITIONAL INFORMATION SEE DWG. 9a

BRITAIN	MATERIAL	DETAILS		SA UNIFORM MARK CHANGED
	SURF PREP & PAINT	MAIN SHELL - LINERS & INSULATION		BY DATE REVISION
OPEN HOLES		FOR 9.2M TELESCOPE DOME LA PALMA		
DRAWN	DATE	CHECKED	DATE	DRAWING No
G.V.A	OCT/84			1420-9g
BRITAIN STEEL LTD. 401 SALTER AVENUE, NEW WESTMINSTER, B.C.				REV
SHOP DEPARTMENT				1/2 PRINTS

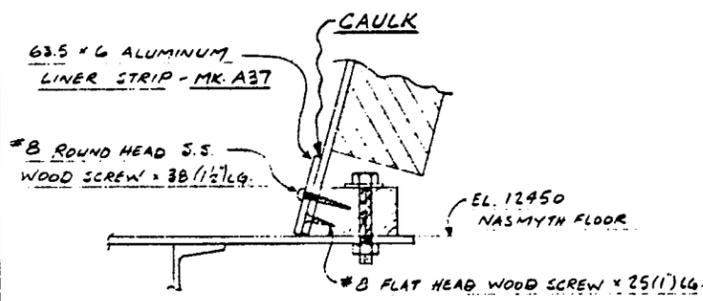




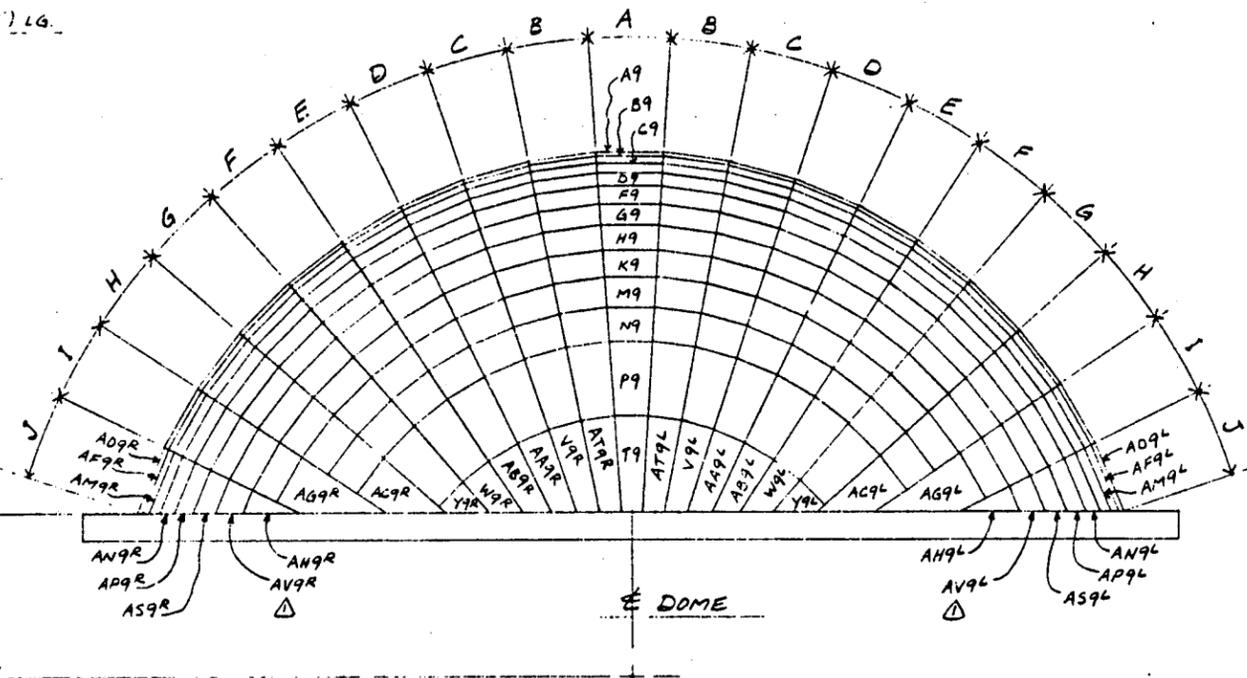
**LINER CONNECTION DETAIL
@ INNER CHORD OF RIBS**



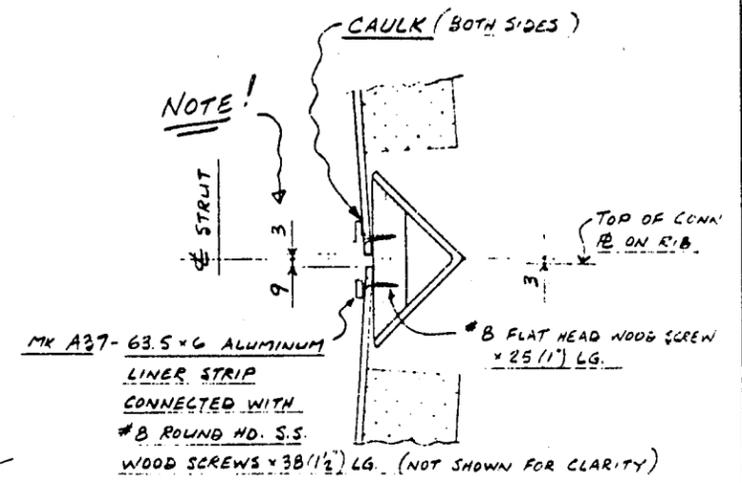
**LINER CONNECTION DETAIL
@ ARCH GIRDER**



**LINER CONNECTION DETAIL
@ NASMYTH FLOOR**

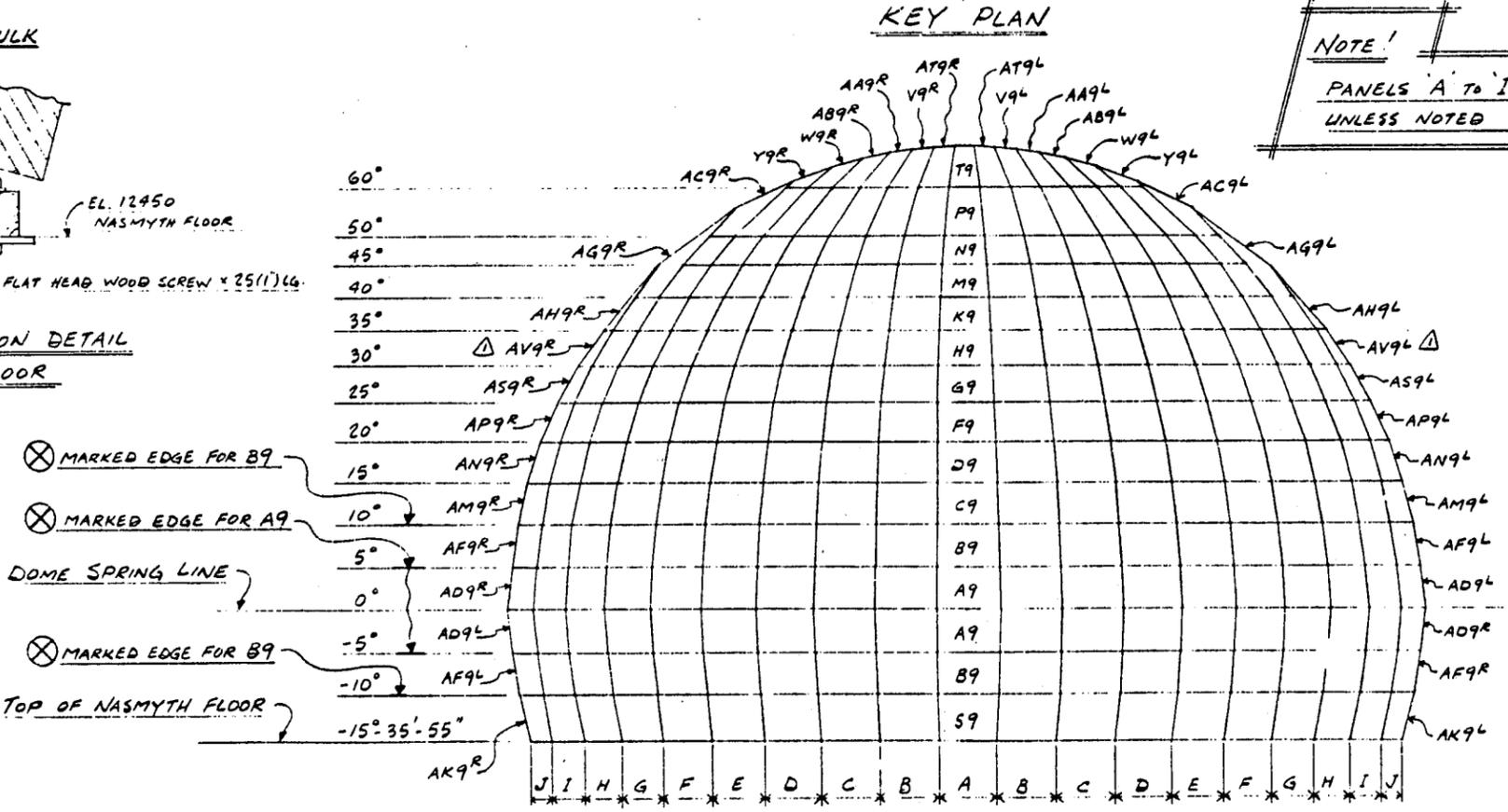


KEY PLAN



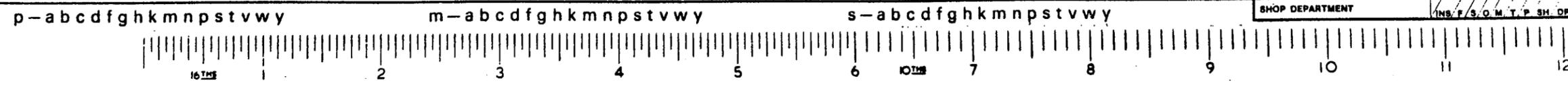
**LINER CONNECTION DETAIL
@ HORIZONTAL STRUTS**

NOTE!
PANELS 'A' TO 'I' TYPICAL FOR MARKS
UNLESS NOTED SEE PANEL 'A'

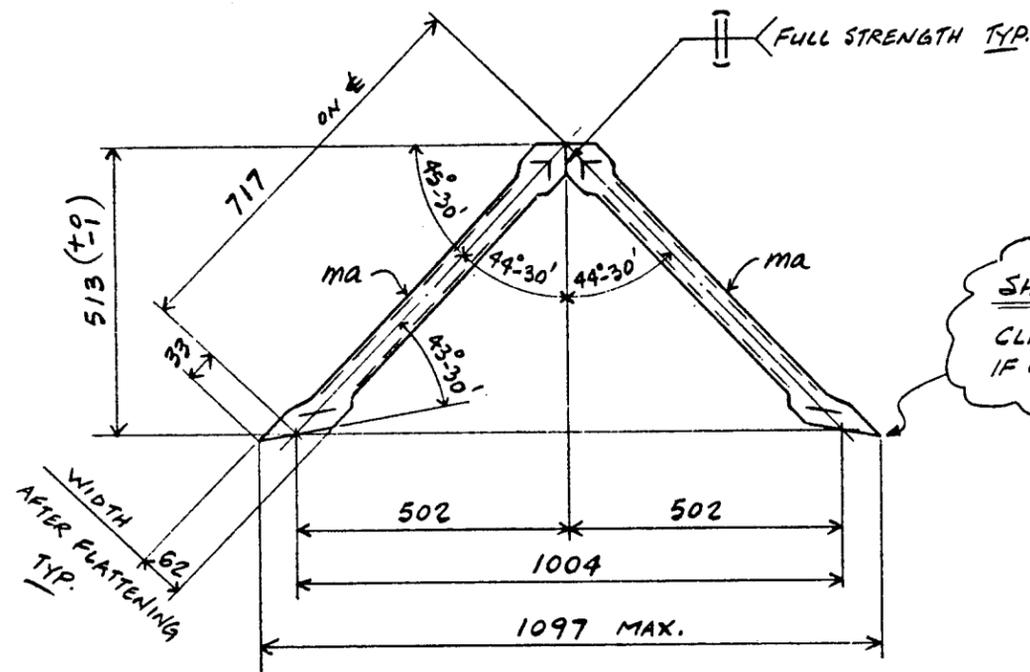


**KEY ELEVATION
(VIEWED FROM INSIDE DOME @ E)**

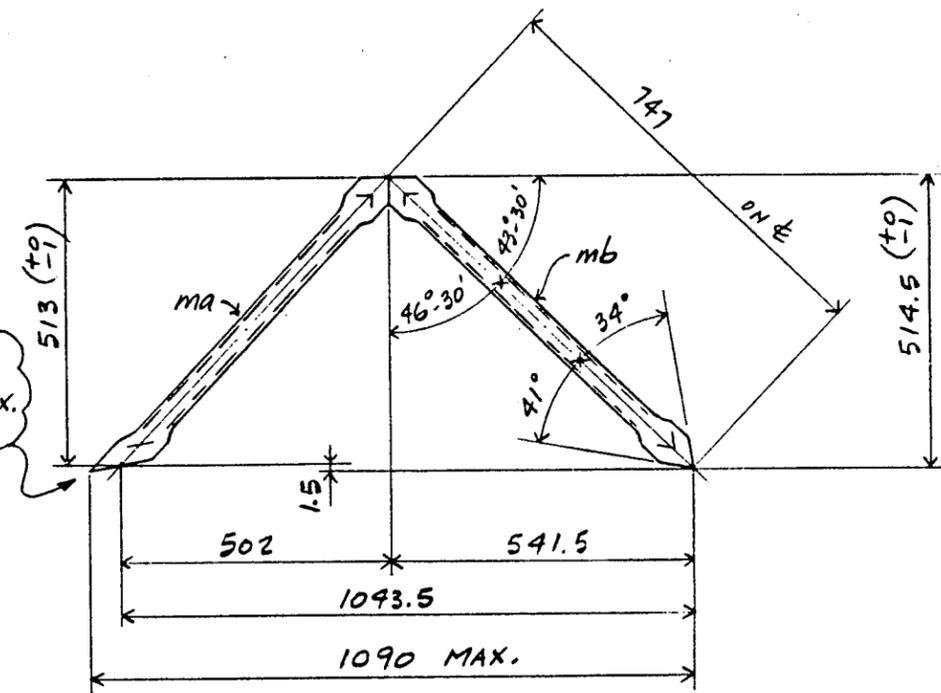
- GENERAL NOTES:**
- 1) FOR LINER DETAILS SEE DWGS. 9a, 9b, 9c, 9d, 9f & 9g
 - 2) ALL SCREWS AND WOOD BLOCKING BY BRITAIN STEEL LTD.
 - 3) FOR ALUMINUM LINER STRIP DETAIL SEE DWG. 37



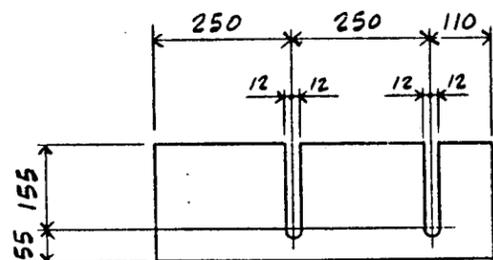
	MATERIAL		DETAILS	
	SURF PREP		MAIN SHELL & SEC LOCATION DIAGRAM	
PAINT		FOR 2.2 M TELESCOPE DOME		
OPEN HOLES		LA PALMA		
DRAWN	DATE	CHECKED	DATE	DRAWING NO
S.V.A.	OCT/83			1420-9h
BRITAIN STEEL LTD. 401 SALTER AVENUE, NEW WESTMINSTER, B.C.				



4B-REQ'D. ~ BACK RIB FRAME ~ MK. 'AA'



24-REQ'D. ~ BACK RIB FRAME ~ MK. 'AB'



24-REQ'D. ~ SHIM ~ MK. D 21
4B-REQ'D. ~ SHIM ~ MK. F 21

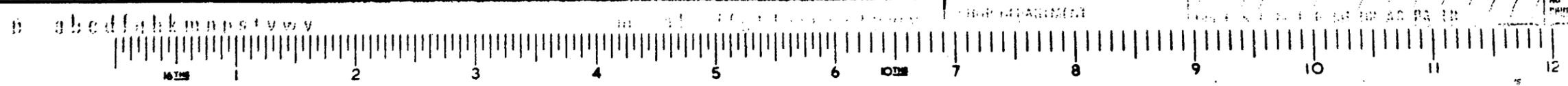
NOTES:

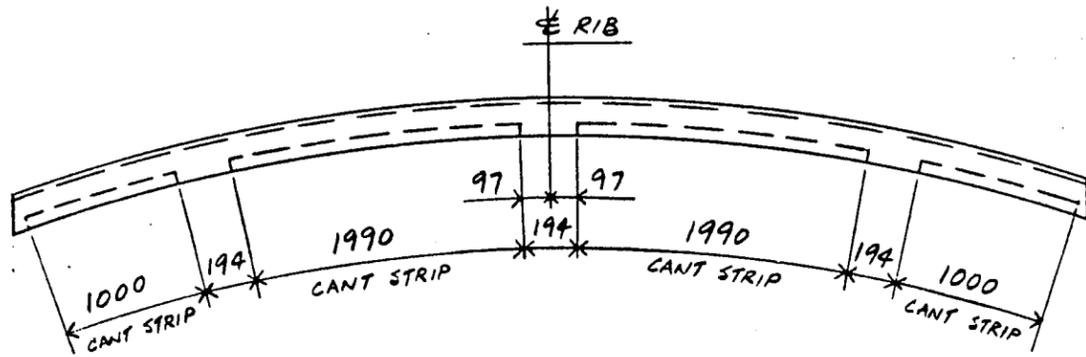
- 1.) FOR SHOP ASSEMBLY OF FRAMES SEE DWG 21a, 21b + 21c.
- 2.) FOR LOCATION OF SHIMS SEE DWG. E4. SHIMS ARE SHIPPED TO DOME.

LINE	SHIP No. REQ'D.	FAB	MARK	DESCRIPTION	MAT'L	LENGTH	QTY	REMARKS	CUTTING INSTRUCTIONS	WEIGHT	DIVISIONS
9	4B		F21	R 210 x 1.6 (1/16")		610					
8	24		D21	R 210 x 4.76 (3/16")		610					
7											
6	24	mb		32# (1 1/4") STD. PIPE	50W	747	2	FLATTEN + BEV. CUT BOTH ENDS			
5	24	ma		24-REQ'D ~ MK AB							
4											
3											
2	96	ma		32# (1 1/4") STD. PIPE	50W	750	2	FLATTEN + BEV. CUT BOTH ENDS			
1				4B-REQ'D. ~ MK AA							



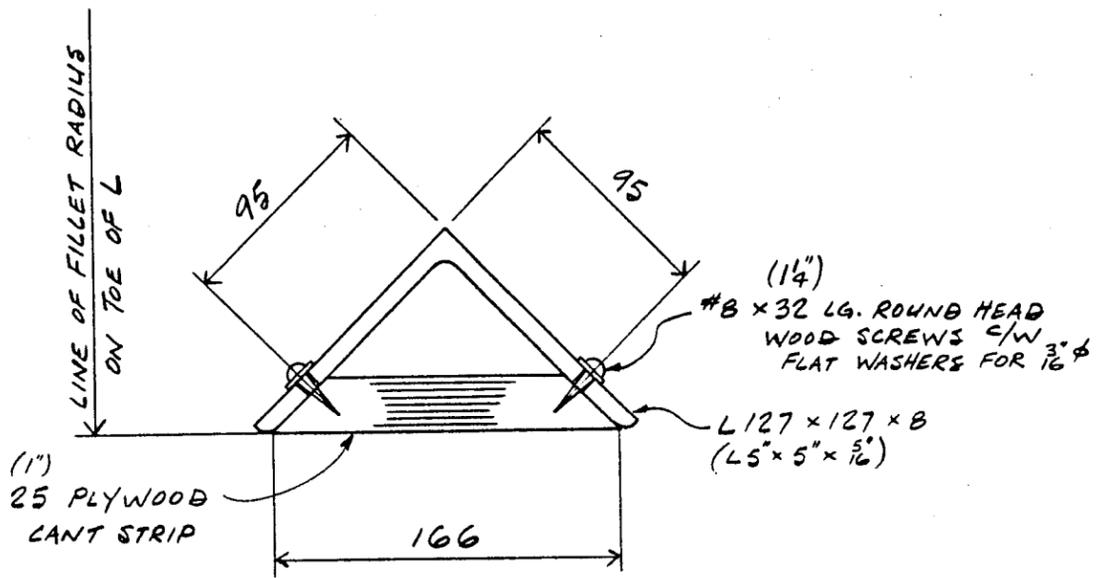
MATERIAL	AS NOTED	DETAILS OF BACK SHELL RIB WEB FRAMES AND SHIMS	
SURF. PREP. & PAINT	SEE MEMO	FOR 4.2 M TELESCOPE DOME LA PALMA	
OPEN HOLES	AS NOTED	DRAWING No.	1420-21d
DRAWN	G.V.A.	DATE	SEPT/83
CHECKED		DATE	
BRITAIN STEEL LTD. 401 SALTER AVENUE, NEW WESTMINSTER, B.C.			





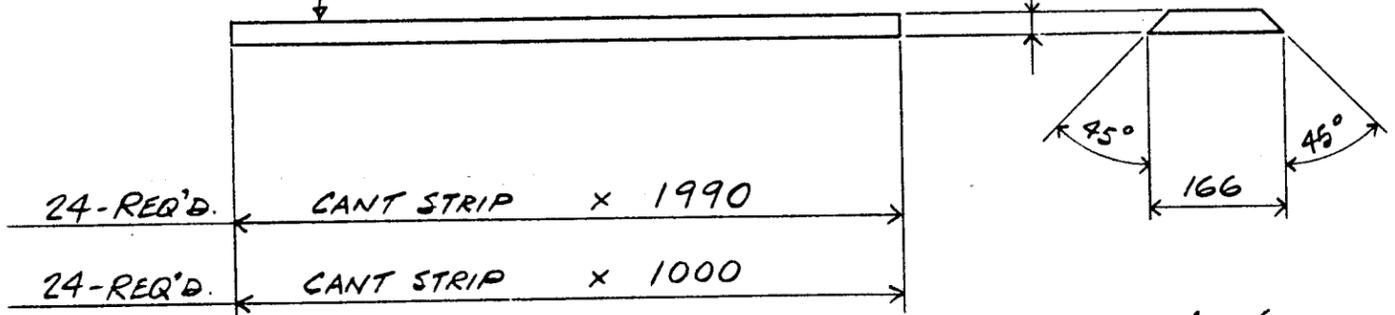
LOCATION OF PLYWOOD CANT STRIPS ON INNER CHORD OF BACK SHELL RIBS.

SHOP NOTE:
RIBS TO BE PAINTED BEFORE CANT STRIPS ARE INSTALLED.



DETAIL SHOWING SHOP ATTACHMENT OF PLYWOOD CANT STRIPS TO INNER CHORD OF BACK RIB SECTIONS.

(1) 25 EXTERIOR GRADE PLYWOOD COATED WITH PRESERVATIVE



NOTE:
- FOR BACK SHELL RIBS SEE DWG. 21a, 21b & 21c

ALSO REQ'D. (FOR CONNECTING CANT STRIPS TO INNER CHORD.)
328 - #8 x 32 (1 1/4") RD. HD. WOOD SCREWS (ROBERTSON TYPE) GALV.
328 - STD. FLAT WASHERS FOR 3/16" GALV.

LINE	SHIP No. REQD.	FAB	MARK	DESCRIPTION	MAT'L	FT. LENGTH	INS. LENGTH	RIB LINE	REMARKS	CUTTING INSTRUCTIONS SPlicing ALLOWED	WEIGHT	DIVISIONS
7												
6												
5												
4												
3												
2												
1												



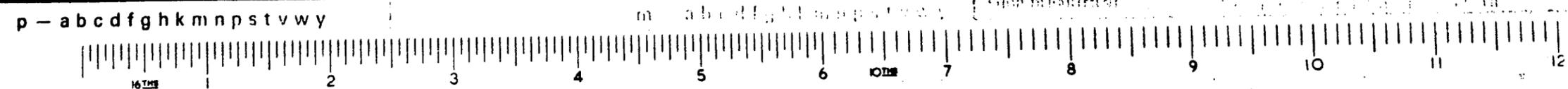
MATERIAL		AS NOTED	
SURF. PREP. & PAINT		AS NOTED	
OPEN HOLES			
DRAWN	DATE	CHECKED	DATE
G.V.A.	SEPT/83		

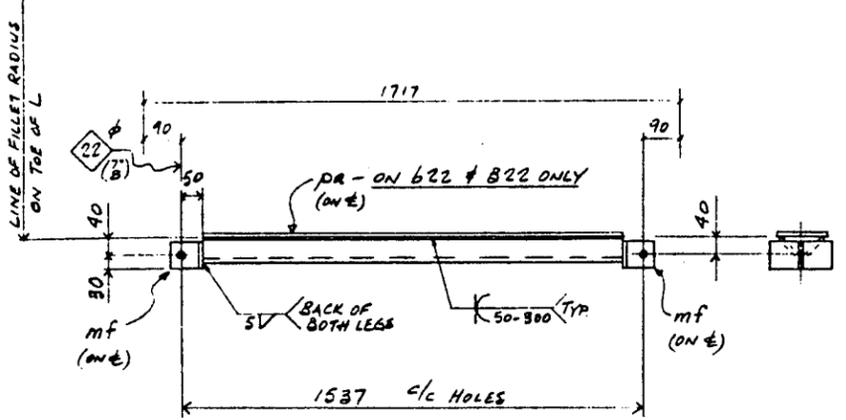
DETAILS OF PLYWOOD CANT STRIPS @ BACK SHELL RIBS.

FOR 9.2M TELESCOPE DOME LA PALMA

DRAWING No. 1420-21f

BRITAIN STEEL LTD. 401 SALTER AVENUE, NEW WESTMINSTER, B.C.



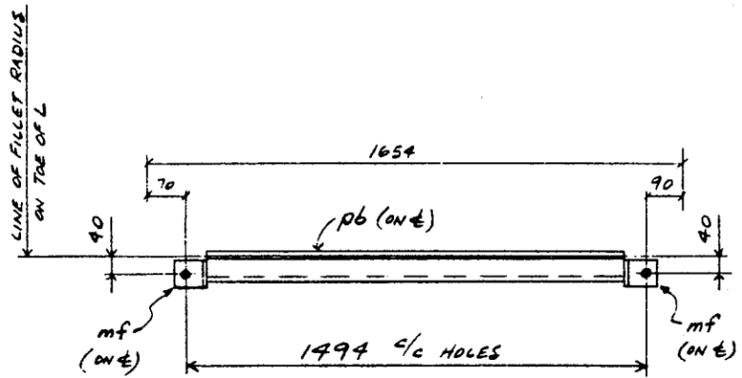


REF. LOCATION 0°

6-REQ'D. ~ OUTER CHORD STRUT ~ MK. a22

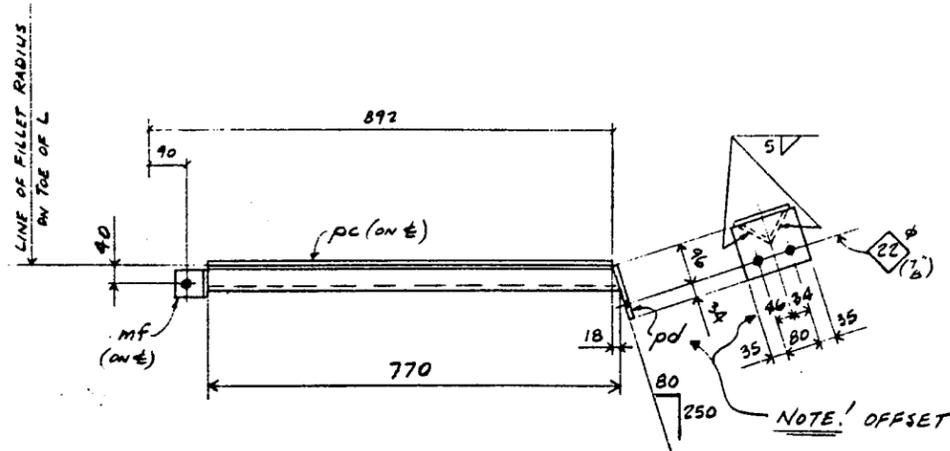
3-REQ'D. ~ () ~ MK. b22 } ALIKE EXCEPT FOR MARK

2-REQ'D. ~ () ~ MK. c22



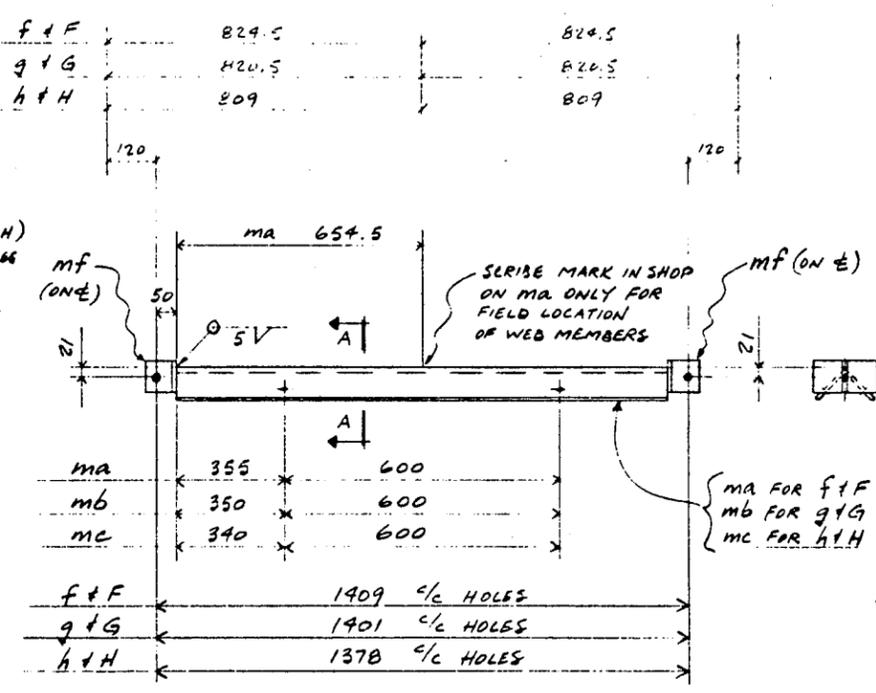
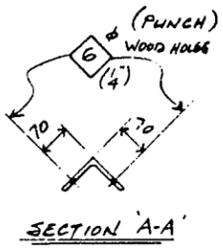
REF. LOCATION 0°

ONE REQ'D. ~ OUTER CHORD STRUT ~ MK. c22



REF. LOCATION 0°

ONE REQ'D. ~ OUTER CHORD STRUT ~ MK. d22



REF. LOCATION 0°

8-REQ'D. ~ INNER CHORD STRUT ~ MK. f22 } ALIKE EXCEPT FOR MARK

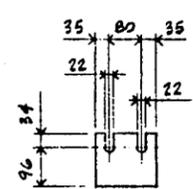
2-REQ'D. ~ () ~ MK. f22

5:32:30' { 16-REQ'D. ~ () ~ MK. g22 } ALIKE EXCEPT FOR MARK

 { 4-REQ'D. ~ () ~ MK. g22

11:15' { 18-REQ'D. ~ () ~ MK. h22 } ALIKE EXCEPT FOR MARK

 { 4-REQ'D. ~ () ~ MK. h22



6-REQ'D. ~ SHIM ~ MK. AA22

6-REQ'D. ~ () ~ MK. AB22

6-REQ'D. ~ () ~ MK. AC22

ALSO REQ'D. (FOR CANT STRIPS SEE DWG. 226 & 22C)

26B - #8 x 32 LG. ROUND HEAD WOOD SCREWS (ROBERTSON TYPE) GALV. (1/4")

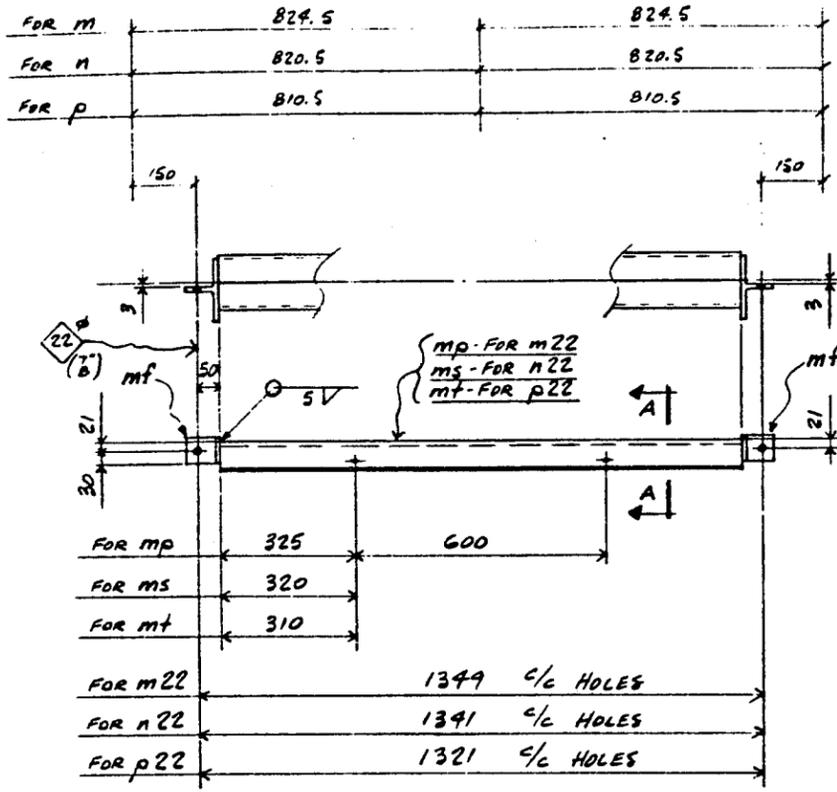
26B - STD. FLAT WASHERS FOR 3/16" GALV.

MATERIAL BILL										CONTRACT 1420	
BRITAIN STEEL LTD.											
LINE NO.	MARK	QTY.	SHAPE	SIZE	LENGTH	REMARKS	MAT'L TYPE	UNIT	WEIGHT		
1			6-REQ'D. ~ MK. a22								
2			3-REQ'D. ~ MK. b22								
3			2-REQ'D. ~ MK. c22								
4											
5	11	L	76 x 76 x 5		1437	C.S. 2E.		44W	2 1/2		
6											
7	mf	22	WT	152 x 76 x 6 1/4	60			44W			
8											
9	pa	5	R	120 x 6.35 (1/2)	1437	FOR 622 & 822		A36			
10											
11											
12											
13											
14	1	L	76 x 76 x 5		1394	C.S. 2E.		44W	2 1/2		
15	mf	2									
16	pb	1	R	120 x 6.35 (1/2)	1394			A36			
17											
18											
19											
20											
21	1	L	76 x 76 x 5		770	C.S. 2E. / A.C.I.E.		44W	2 1/2		
22	mf	1									
23	pc	1	R	120 x 6.35 (1/2)	752			A36			
24	pd	1	R	120 x 6.35 (1/2)	150						
25											
26											
27											
28											
29											
30	ma	10	L	102 x 102 x 6	1309	C.S. 2E.		44W	2 1/2		
31											
32	mf	20									
33											
34											
35											
36											
37											
38	mb	20	L	102 x 102 x 6	1301	C.S. 2E.		44W	2 1/2		
39	mf	40									
40											
41											
42											
43											
44											
45	mc	22	L	102 x 102 x 6	1278	C.S. 2E.		44W	2 1/2		
46	mf	44									
47											
48											
49	AA22	6	R	130 x 5 (1/8)	150	SHIMS		A36			
50	AB22	6									
51	AC22	6									
52											
53											
54											
55											

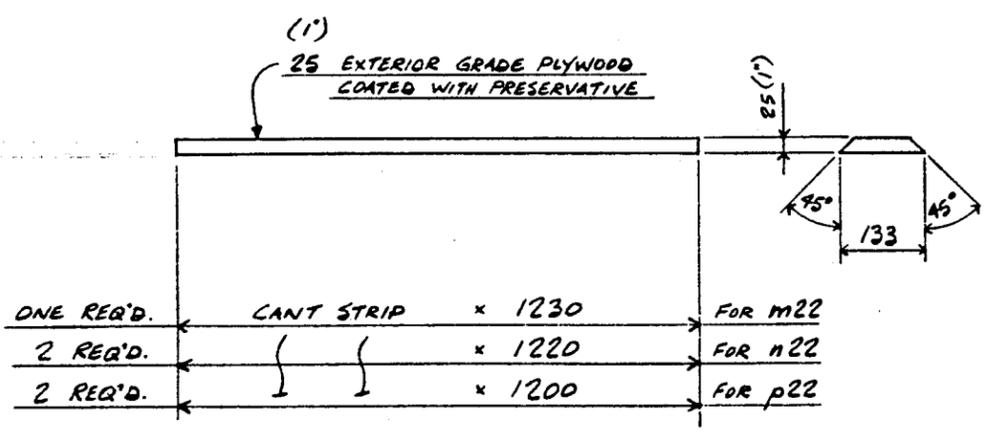
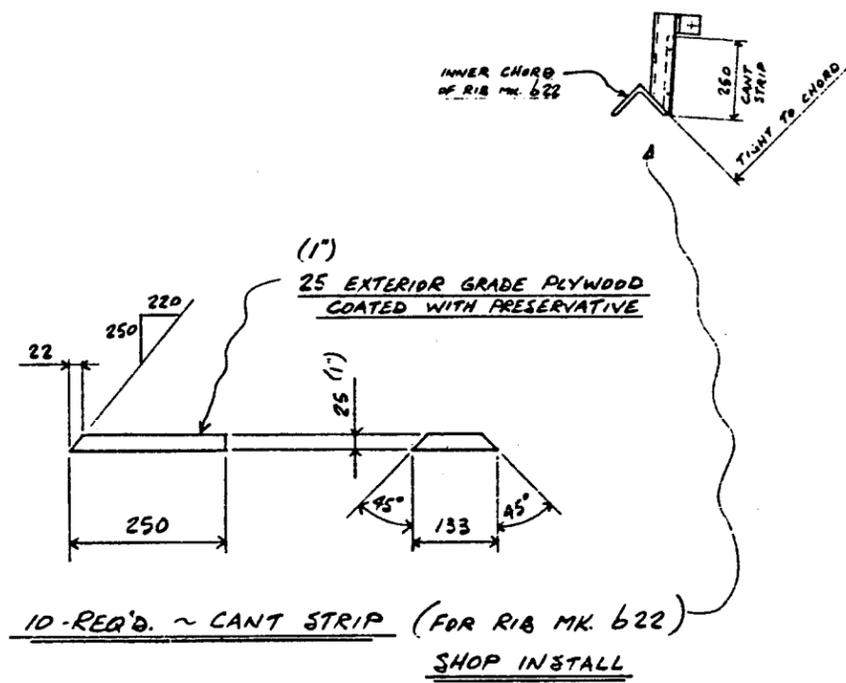
- NOTES:
- 1.) DRILL HOLES PER IMPERIAL SIZE AS NOTED IF PREFERRED.
 - 2.) FOR PLYWOOD CANT STRIPS SEE DWG. 226.
 - 3.) STRUTS MK. a22, b22, f22, g22 & h22 SHIPPED TO JIG PANELS SEE DWG. 24.
 - 4.) STRUTS MK. b22, c22, d22, f22, g22 & h22 SHIPPED TO DOME SEE DWG. E4.

	MATERIAL	G4021 (44W) LWT	NO. BY DATE	REVISION					
	SURF. PREP	SEE MEMO	DETAILS BACK SHELL R.B. DIMEN & INNER CHORD STRUTS & SHIMS						
	PAINT	SEE MEMO	FOR 4.2 M TELESCOPE DOME LA PALMA						
	OPEN HOLES	AS NOTED							
DRAWN	G.V.A.	DATE	SEPT/83	CHECKED	DATE	DRAWING NO.	1420-22a	REV.	
BRITAIN STEEL LTD. 401 SALTER AVENUE, NEW WESTMINSTER, B.C.									





- (0°) ONE REQ'D. ~ INNER CHORD STRUT ~ MK. m22
- (5°-37°-30°) 2 REQ'D. ~ () ~ MK. n22
- (10°-33°-45°) 2 REQ'D. ~ () ~ MK. p22



SHOP NOTE:
INNER CHORD STRUTS TO BE PAINTED BEFORE CANT STRIPS ARE INSTALLED.

GENERAL NOTES:

- 1) FOR RIB MK. 622 SEE DWG. 226.
- 2) STRUTS MK. m22, n22, & p22 ARE SHIPPED TO JIG PANELS SEE DWG. 27
- 3) FOR DETAIL SHOWING SHOP ATTACHMENT OF PLYWOOD CANT STRIPS SEE DWG. 226.

MATERIAL BILL
BRITAIN STEEL LTD.

CONTRACT 1420

LINE NO.	MARK	QTY.	SHAPE	SIZE	LENGTH	REMARKS	MATL. TYPE	WEIGHT
1								
2						ONE REQ'D. ~ MK. m22		
3	mp	1	L	102x102x6	1249	C.S. 2E.	94W	2.12
4						(4" x 4" x 4")		
5	mf	2	WT	152x76x6x11	60	SPUT W/50=22		
6						G=3x4x75		(WG=15)
7								
8								
9						2-REQ'D. ~ MK. n22		
10	ms	2	L	102x102x6	1241	C.S. 2E.		2.12
11	mf	4						
12								
13								
14						2-REQ'D. ~ MK. p22		
15	mt	2	L	102x102x6	1221	C.S. 2E.		2.12
16	mf	4						
17								
18								
19								
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BRITAIN

MATERIAL G40 21 (44W) W/R

DETAILS BACK RIB INNER CHORD STRUTS & CANT STRIPS

SEE MEMO FOR 4.2" TELESCOPE ROPE LA PALMA

BRITAIN STEEL LTD. 401 SALTER AVENUE, NEW WESTMINSTER, B.C.

