

MATERIAL BILL										CONTRACT 1420	
BRITAIN STEEL LTD.											
LINE	MARK	QTY.	SHAPE	SIZE	LENGTH	REMARKS	MATL. TYPE	W/WT	LINE	WEIGHT	
1											
2											
3	26										
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3R/3001224

BRITAIN

MATERIAL: As Noted  
 SURF. PREP. & PAINT: None  
 OPEN HOLES: As Noted

DETAILS: WITH SCREEN END BRACES, BUSHINGS & SLEEVES  
 FOR 4.2\"/>

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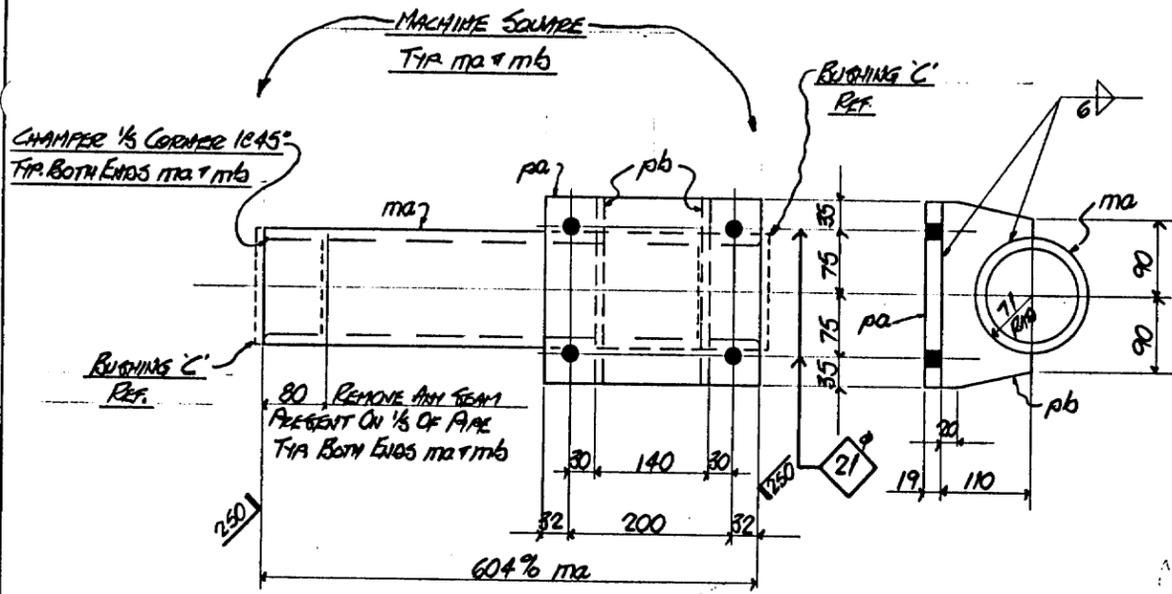
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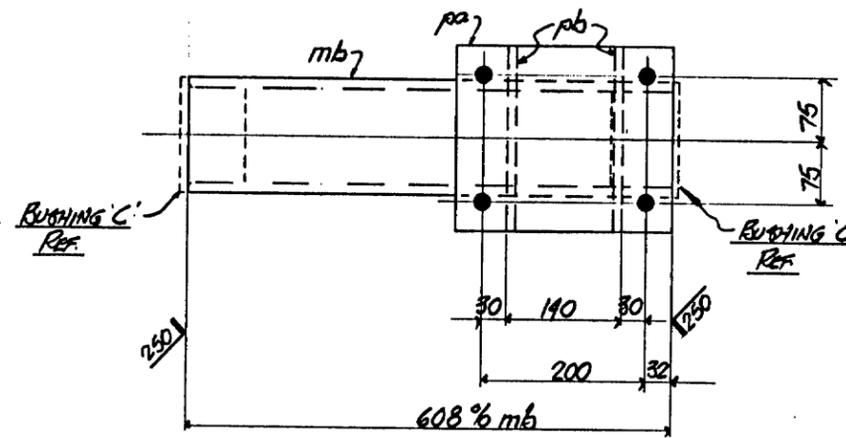
BRITAIN STEEL LTD. 401 SALTER AVENUE, NEW WESTMINSTER, S.C.  
 SHOP DEPARTMENT

MATERIAL BILL  
BRITAIN STEEL LTD.

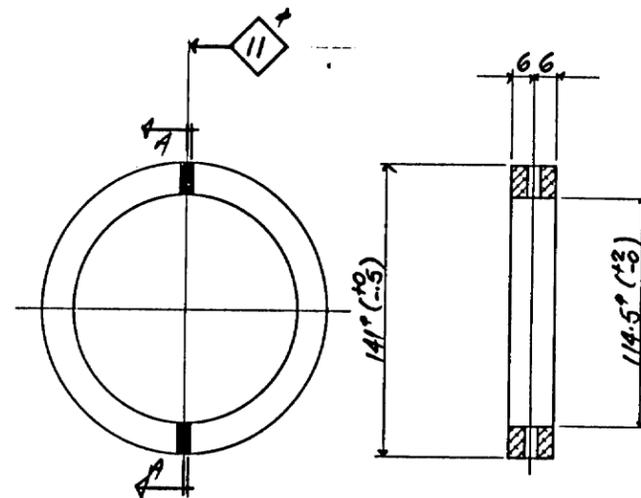
CONTRACT 1420



4 REQ. PICK UP BRACKET MR. H



2 REQ. PICK UP BRACKET MR. K  
FIT & WELD AS FOR BRACKET H



30 REQ. LOCKING COLLAR MR. M

LINE NO.	MARK	QTY.	SHAPE	SIZE	LENGTH	REMARKS	MATL. TYPE	W/LL	LINE	WEIGHT
1				4 REQ. MR. H						
3	ma	4	PLATE	11.3" O.D.	604	(5" X 5) MACH. ALUMINUM				
4	pa	4	R	220.19	264	(3/8")				
5	pb	8	L	110.9.5	220	(3/8")				
10				2 REQ. MR. K						
11	mb	2	PLATE	11.3" O.D.	608	(5" X 5) MACH. ALUMINUM				
12	pa	2	R							
13	pb	4	L							
17				30 REQ. MR. M						
19				30 R 141" I.D. TUBING (MACH. 1/8") ALUMINUM						

GENERAL NOTES

1) USE 1/8" DRILL FOR 11" HOLES + 1/8" DRILL FOR 21" HOLES IF PREFERRED

3R/3001225

	MATERIAL	ALUMINUM	DETAILS	W/LL SERIES
	SURF. PREP. & PAINT	NONE	BRACKETS, BRACES, & COLLARS	
	OPEN HOLES	AS NOTED	FOR	4.2" TELESCOPE DOCK LA PALMA
	DRAWN	DATE	CHECKED	DATE
	BK	10/2/64		
BRITAIN STEEL LTD. 401 SALTER AVENUE, NEW WESTMINSTER, B.C.		DRAWING NO.		1420-76
SHOP DEPARTMENT		INS. F/S/O/M/T/P/SH/DP/AS/PA/ER		NO. PRINTS

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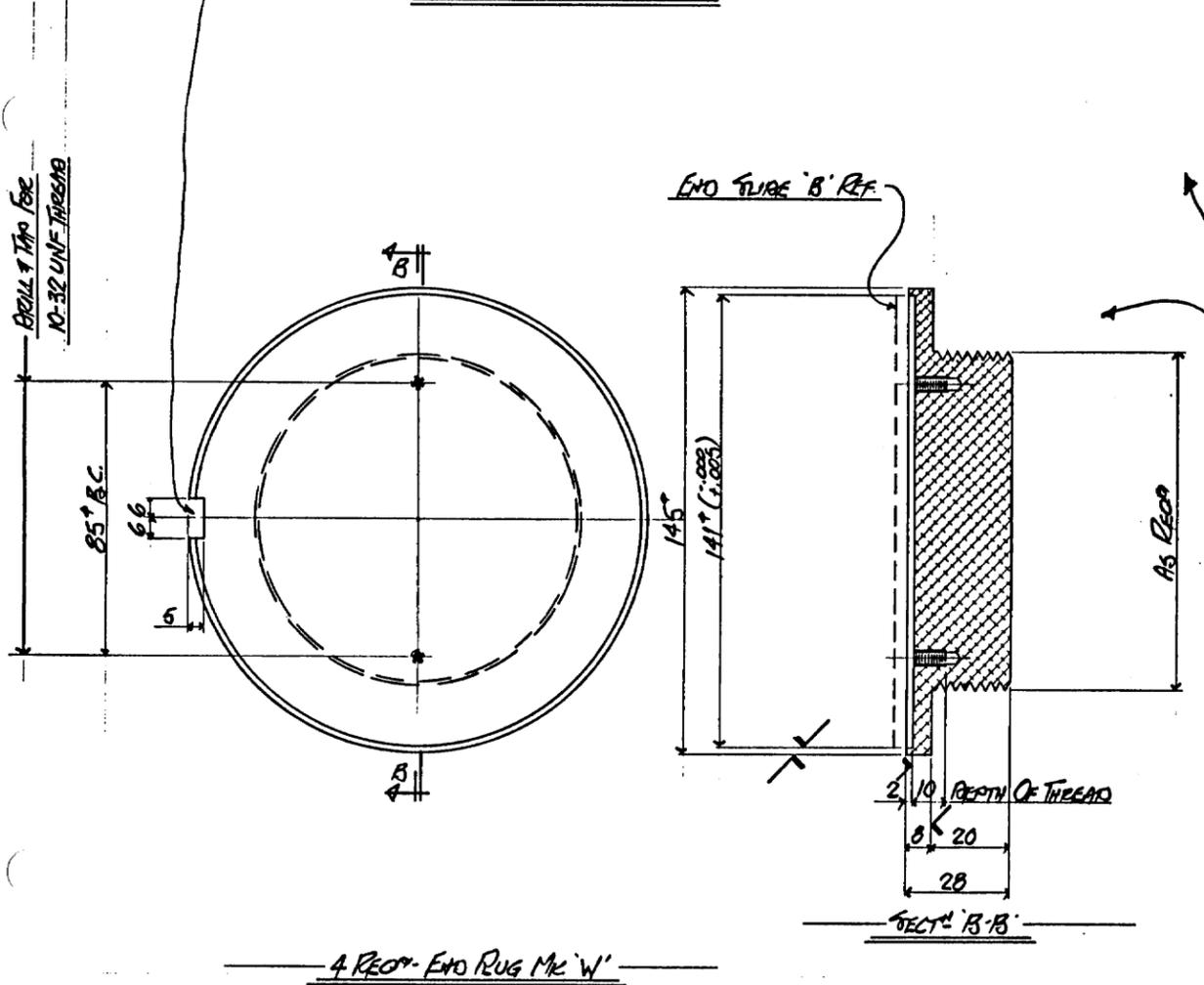
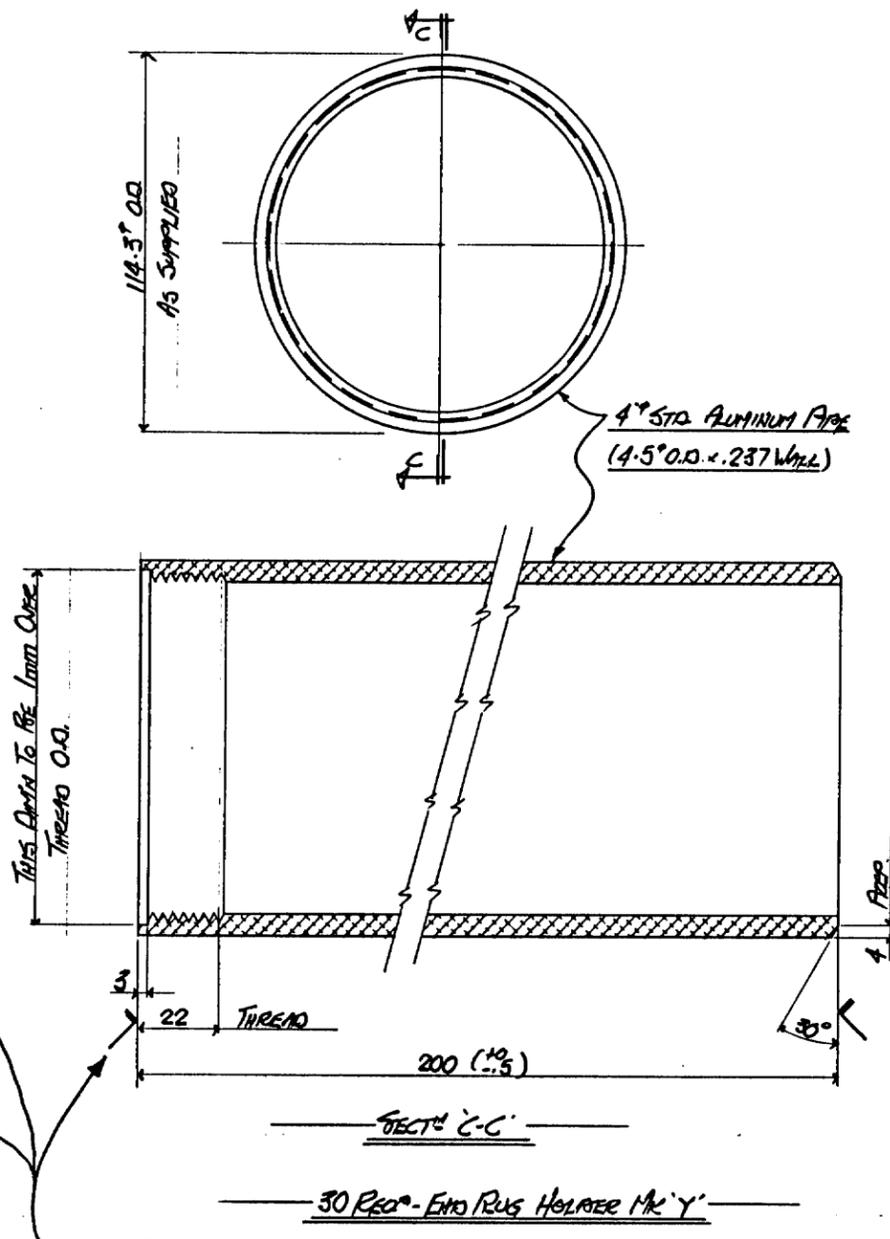
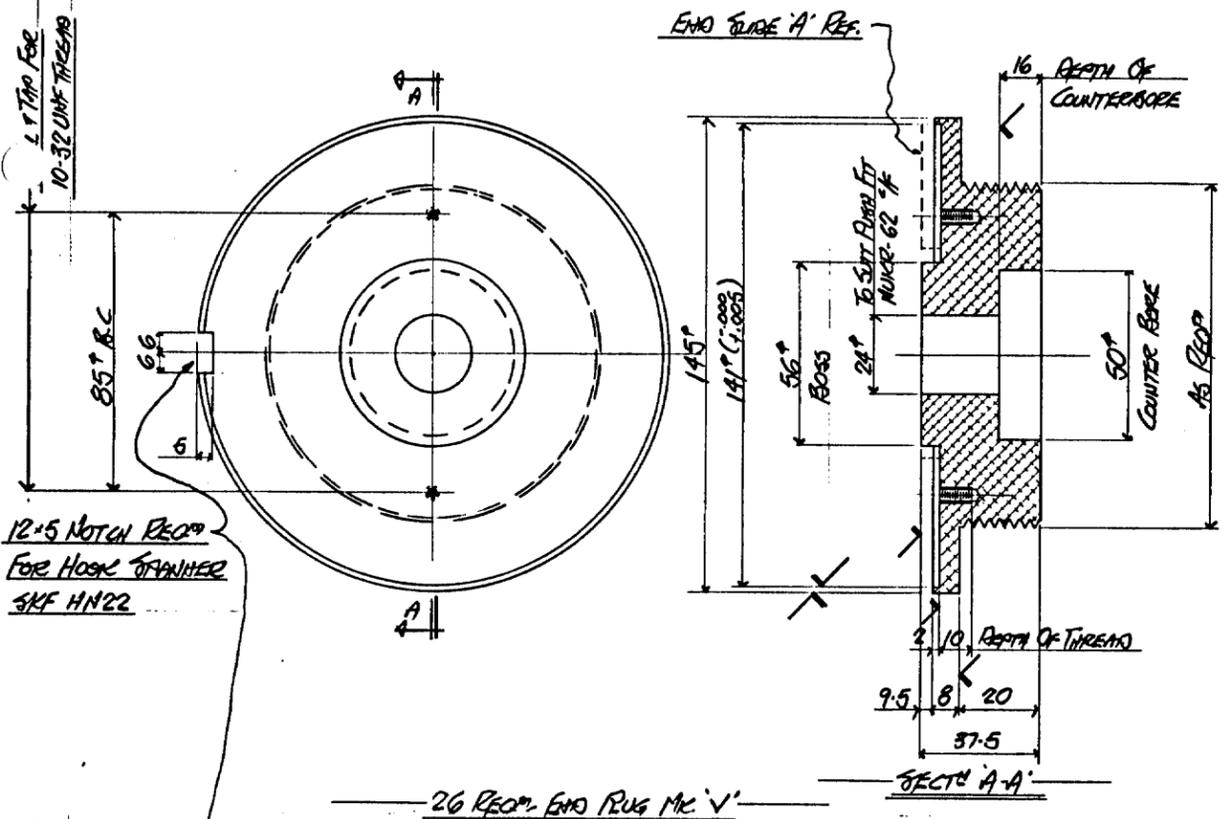
MVF



**MATERIAL BILL**  
BRITAIN STEEL LTD.

CONTRACT 1420

LINE #	MARK	QTY.	SHAPE	SIZE	LENGTH	REMARKS	MATL. TYPE	PAINT	LINE	WEIGHT
1				26 REQ. MK 'V'						
2										
3				26 R 145° 37.5 THICK (MACH. 12" R)		As Supplied				
4										
5										
6										
7				4 REQ. MK 'W'						
8										
9				4 R 145° 28 THICK (MACH. 12" R)		As Supplied				
10										
11										
12										
13				80 REQ. MK 'Y'						
14										
15				30 REQ. 114.3" O.D. 200 (4" STA)		As Supplied				
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**SHOP NOTE:-**  
EXTERNAL THREADS ON RUGS 'V' & 'W' TO MATCH INTERNAL THREADS ON HOLDER 'Y' SHOP TO DETERMINE THREADS PITCH, ROOT DIAMETER ETC.

**GENERAL NOTES**  
1.) ALL MACHINING TO  $\sqrt{25}$  FINISH

3R/3001227

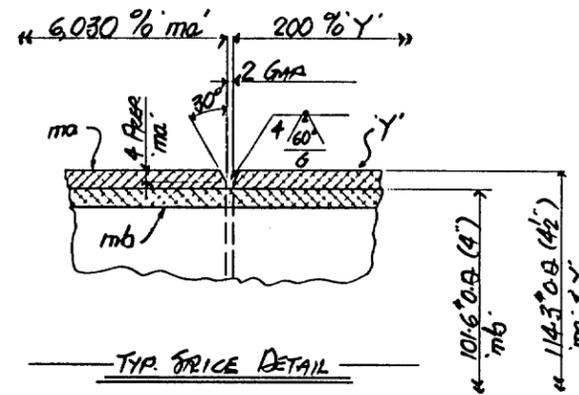
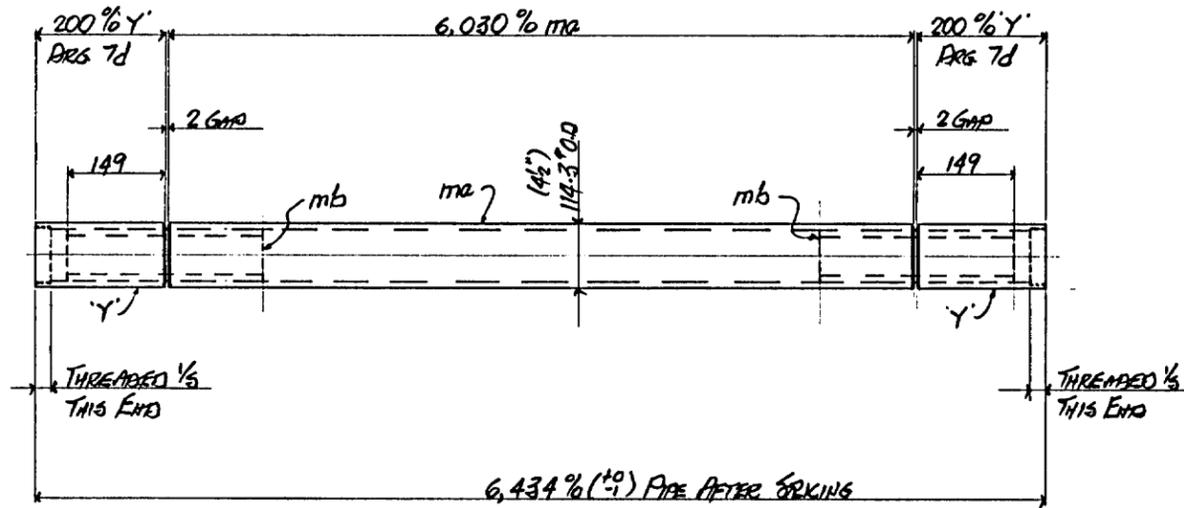
	MATERIAL	ALUMINUM	NO. BY DATE	REVISION
	SURF. PREP. & PAINT	NONE	DETAILS W/NO SCREEN END RUGS & HOLDERS FOR 4.2M TELESCOPE DATE LA PALMA	
DRAWN	DATE	CHECKED	DATE	DRAWING NO.
BR	1/10/82			1420-7d MFR
BRITAIN STEEL LTD. 401 SALTER AVENUE, NEW WESTMINSTER, B.C.				

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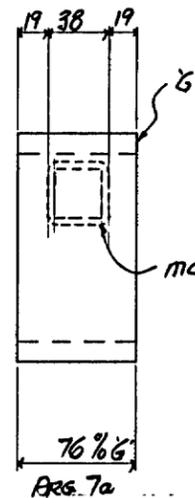
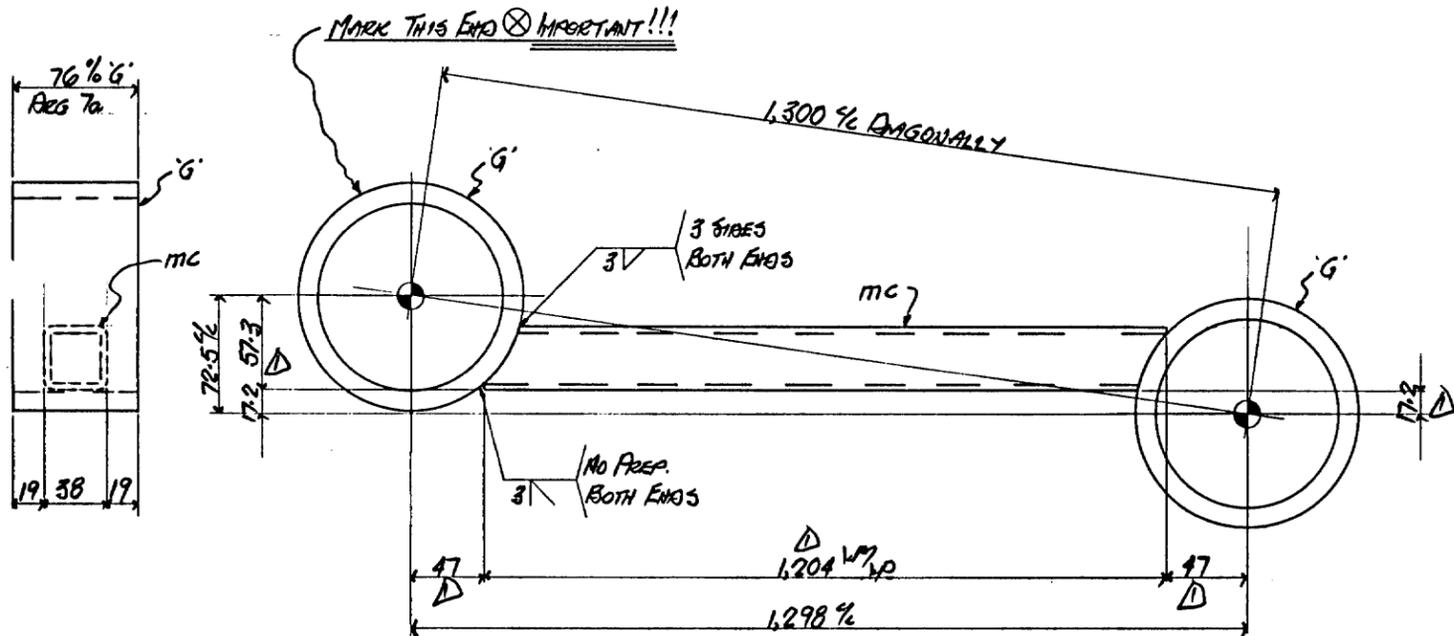
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SHOP DEPARTMENT INS / F / S / O / M / T / P / SH / DP / AS / PA / ER No PRINTS



15 REQ. HINGE PIPE MR. 'D'



140 REQ. LINK ASSEMBLY MR. 'AA'

JIG FOR CUTTING mc' SEE DRG 7  
JIG FOR ASSEMBLING SEE DRG 7K

MATERIAL BILL  
BRITAIN STEEL LTD.

CONTRACT 1420

LINE NO.	MARK	QTY.	SHAPE	SIZE	LENGTH	REMARKS	MATL. TYPE	WEIGHT
1				15 REQ. MR. 'D'				
2						(DRG 2 ENDS)		
3	ma	15	PIPE	114.3% O.D.	6.030	(4 STR.)	ALUMINUM	8.18
4	mb	30		10.6% O.D.	300	(3 1/2" STR.)		8.20
5	Y	30		SEE DRG 7d				
6								
7								
8								
9				140 REQ. MR. 'AA'				
10								
11	mc	140	LINKS	38.238-38.318	1,202	(12-12-125)	ALUMINUM	8.17
12	G'	280	PIPE	SEE DRG 7a				
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3R/3001228

BRITAIN

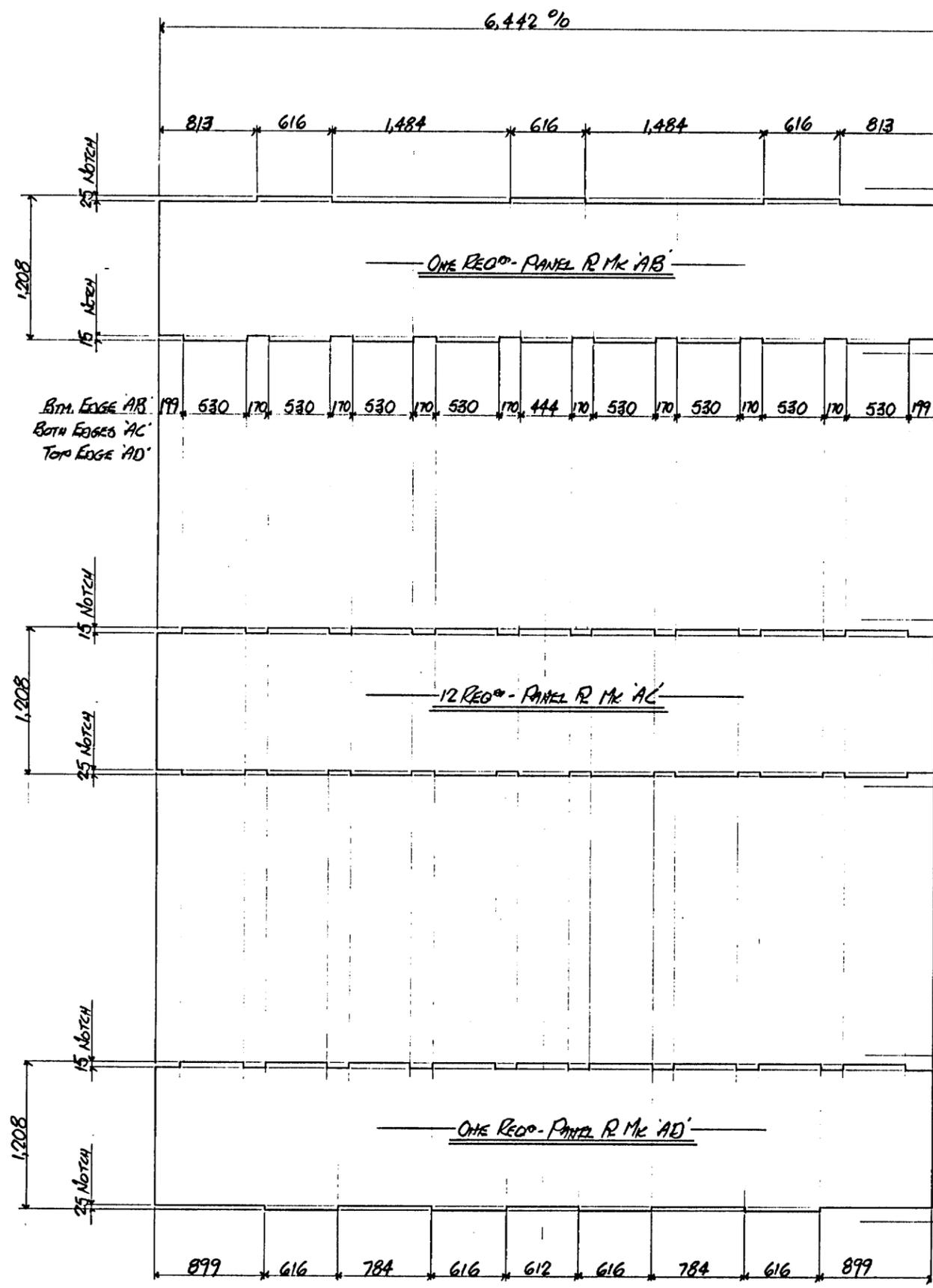
MATERIAL: ALUMINUM  
SURF. PREP. & PAINT: NONE  
OPEN HOLES: NONE

DETAILS: WIND SCREEN HINGE PIPES & LINK ASSEMBLY  
FOR 4.2" TELESCOPE DARK LA PALMA

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

SHOP DEPARTMENT

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



- ① REF. ONLY  
PICK-UP BRACKETS 'H' & 'K'
- ② REF. ONLY
- ② ④ ⑥ ⑧ ⑩ ⑫ ⑭ REF. ONLY
- ③ ⑤ ⑦ ⑨ ⑪ ⑬ REF. ONLY
- ⑭ REF. ONLY
- ⑮ REF. ONLY  
ANCHOR BRACKETS 'P', 'SE', & 'TL'

**MATERIAL BILL**  
BRITAIN STEEL LTD.

CONTRACT 1420

LINE	MARK	QTY.	SHAPE	SIZE	LENGTH	REMARKS	MATL. TYPE	W/LL LINE	WEIGHT
1	AB	ONE	R	1,208 x 4.78	6,442 (16 R)		ALUMINUM	B 16	
2									
3	AC	12	R	1,208 x 4.78	6,442 (16 R)		ALUMINUM	B 16	
4									
5	AD	ONE	R	1,208 x 4.78	6,442 (16 R)		ALUMINUM	B 16	
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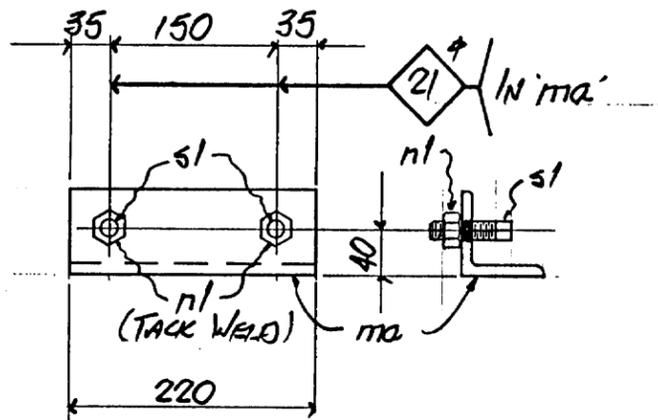
	MATERIAL	ALUMINUM	DETAILS	WIND SCREEN PANEL R'S
	SURF. PREP. & PAINT	NONE	FOR	4.2" TELESCOPE DONE LA PALMA
	DRAWN	DATE	CHECKED	DATE
	RL	6/20/82		
BRITAIN STEEL LTD.		401 SALTER AVENUE, NEW WESTMINSTER, B.C.		
SHOP DEPARTMENT		VNS / F / S / O / M / T / P / SH / DP / AS / PA / ER		

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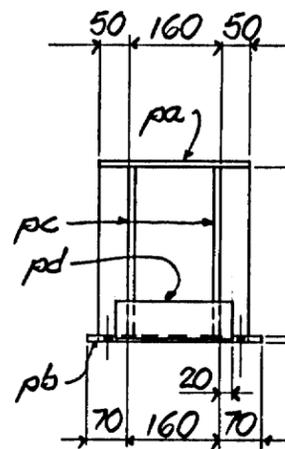
No PRINTS



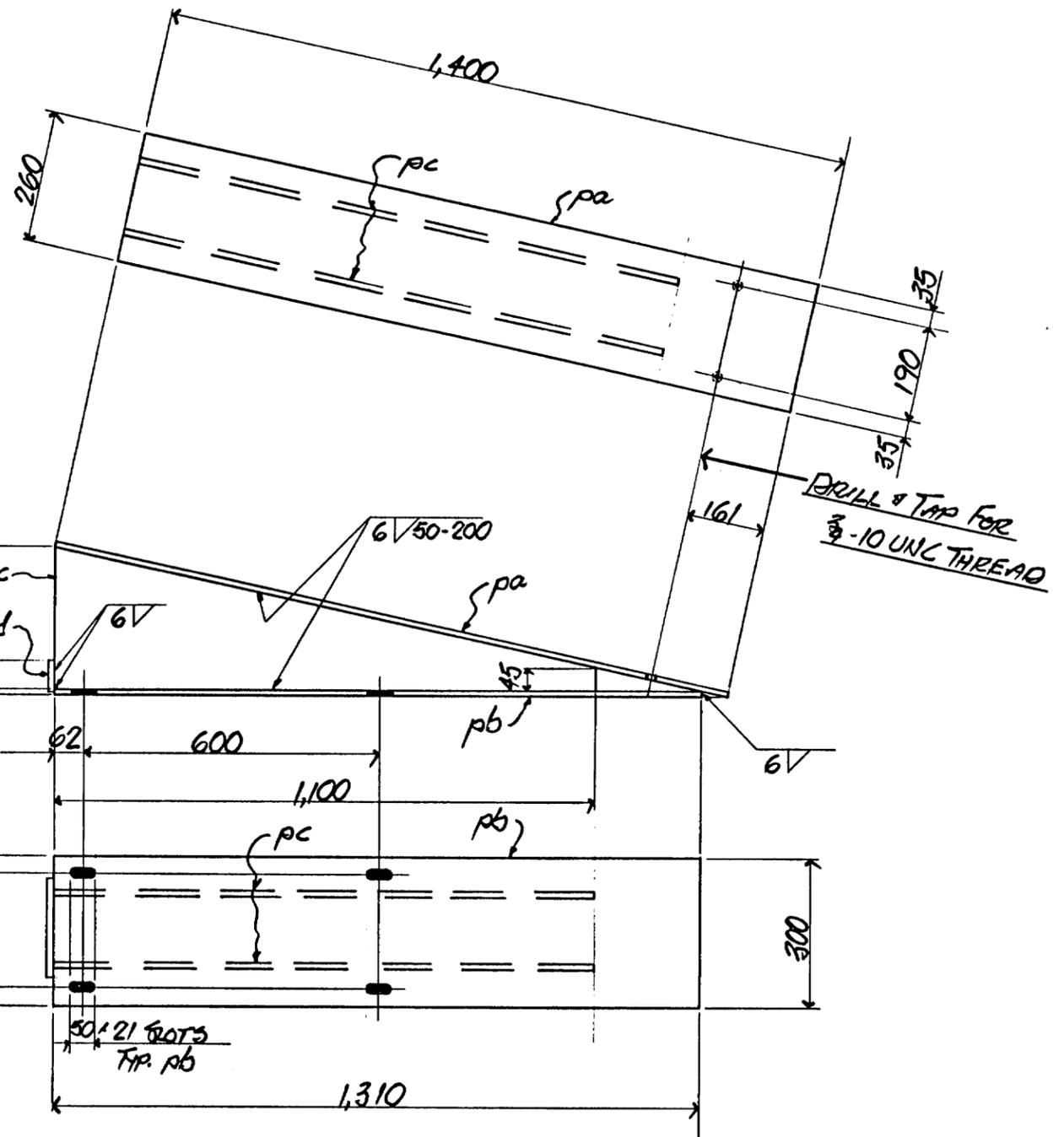
5 REQ<sup>d</sup> - ADJUSTMENT ASSY MK B7

GENERAL NOTES

1.) USE 13/16" DRILL FOR 21° HOLES IF PREFERRED



5 REQ<sup>d</sup> - ANCHOR STEEL ASSY MK A7



3R/3001230

LINE	SHIP No. REQD.	FAB	MARK	DESCRIPTION	MAT'L	FT. LENGTH	INS. LENGTH	R.B.	LINE	REMARKS	CUTTING INSTRUCTIONS	WEIGHT	DIVISIONS
10			nl	1/4" HEX NUT FOR 3/8"	A325								
10			31	3/8" SET SCREW			3"			CUP POINT SQ. HD.			
5			ma	L 75x75x10	A36	220				(L3x3x38)			
5			B7										
5			pd	R 60x12.7	A36	200							
10			pc	R 283x12.7		1,100							
5			pb	R 300x12.7		1,310							
5			pa	R 260x12.7		1,400							



MATERIAL G40.21 (44W) 1/2"  
SURF. PREP. & PAINT SEE MEMO  
OPEN HOLES As Noted

DRAWN PJR DATE 8/27/84 CHECKED DATE

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

No.	BY	DATE	REVISION

DETAILS OF WIND SCREEN ANCHOR STEEL & ADJUST ASSY FOR 4.2" TELESCOPE DOME LA PRIMA

DRAWING No. 1420-7h

p - a b c d f g h k m n p s t v w y

m - a b c d f g h k m n p s t v w y

SHOP DEPARTMENT

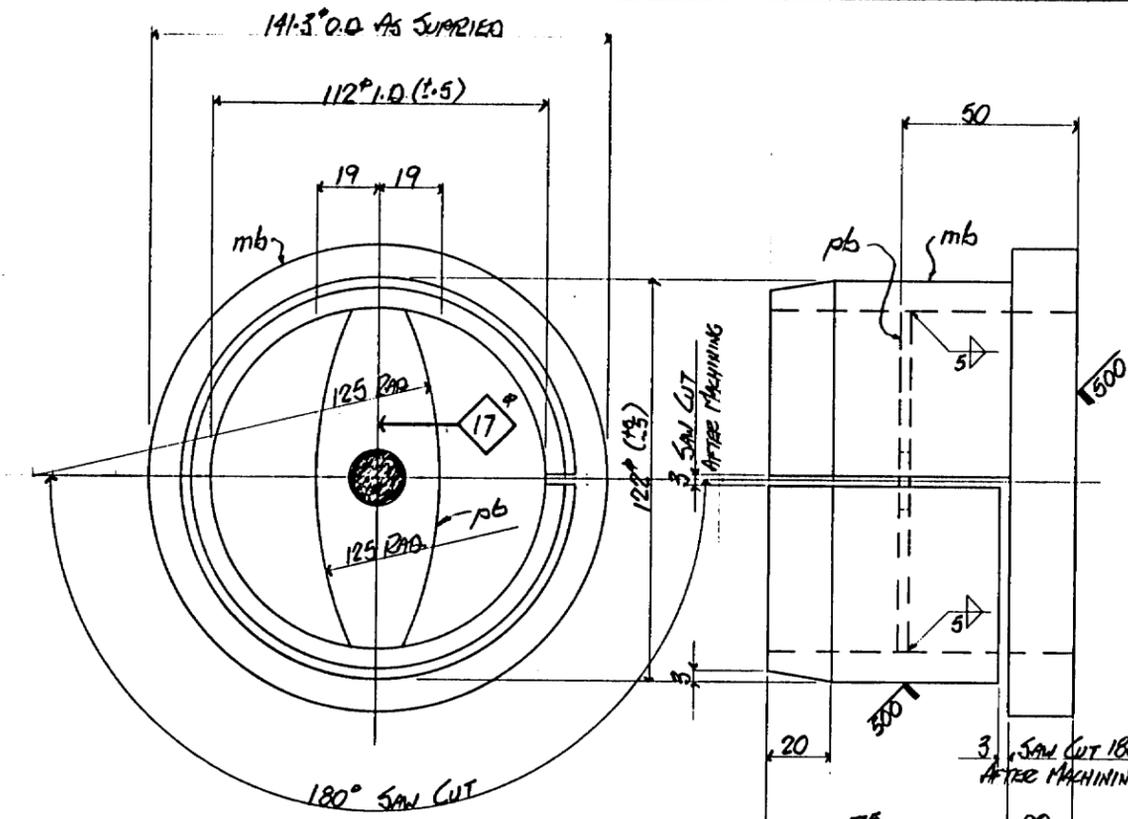
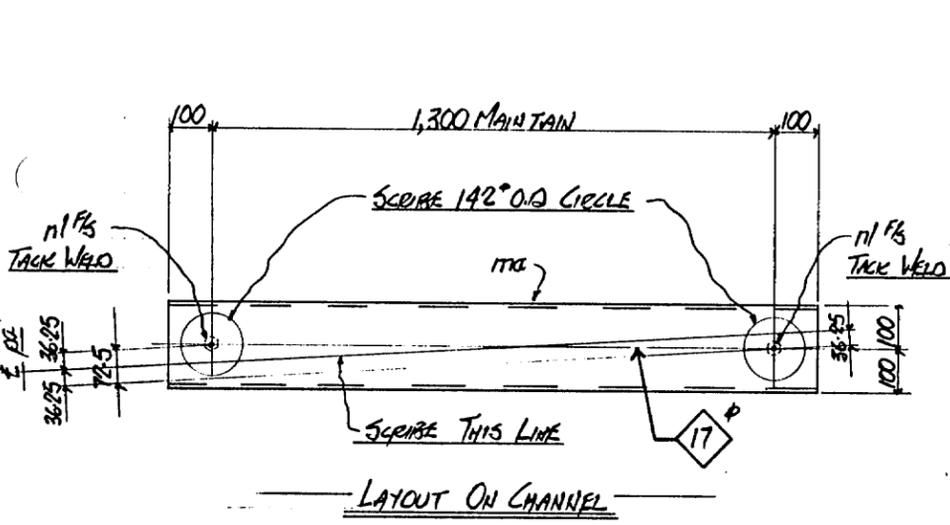
INS / F / S / O / M / T / P / SH / DP / AS / PA / ER

No. PRINTS

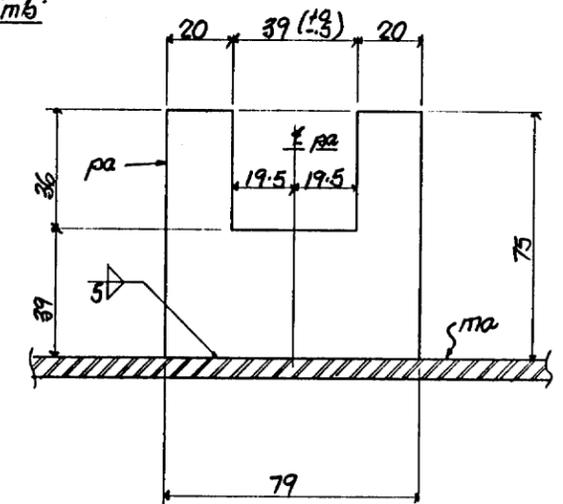
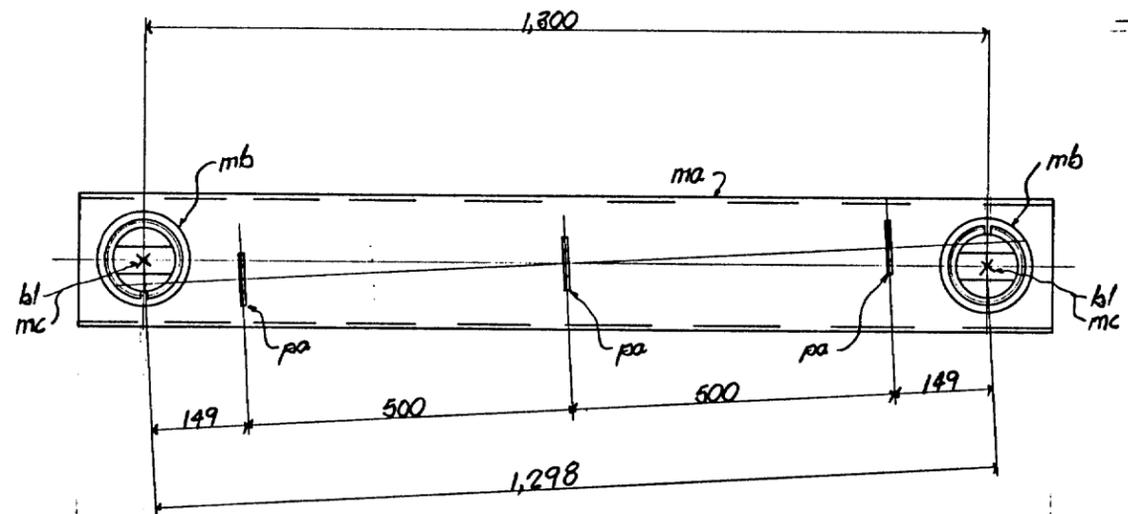
**MATERIAL BILL**  
BRITAIN STEEL LTD.

CONTRACT 1420

LINE NO.	MARK	QTY.	SHAPE	SIZE	LENGTH	REMARKS	MATL. TYPE	NO. OF LINES	WEIGHT
1						ONE REQ. SHOP JIG			
2									
3	mq	2	C	200 x 17	1,500	(CB 11.5)	A36		
4	ms	2	R	141.3 O.D.	95	(5" x 4.5)			
5	pa	3	R	75 x 6.35	79	(4" R)			
6	pb	2	S	38 x 3.18	103	(4" R)			
7	bl	2	FLAT	3/8" x 1 1/2"	5	FLAT WASHER	A307		
8	nl	2	NUT	1/2" HEX. FEE	3/8"		A325		
9	mc	2	PLATE	26.7 O.D.	50	(3" x 5")	A36		
10									
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DETAIL OF SLEEVE BOSS  
pb TO BE WELDED BEFORE MACHINING  
OUTSIDE OF mb



DETAIL OF TUBE SADDLE

GENERAL NOTES

- 1) USE 1/8" DRILL FOR 17° HOLES IF PREFERRED
- 2) FOR DETAILS OF LINK ASSEMBLY SEE DRS 7F

ONE REQ. LINK ASSEMBLY SHOP JIG

3R/3001231

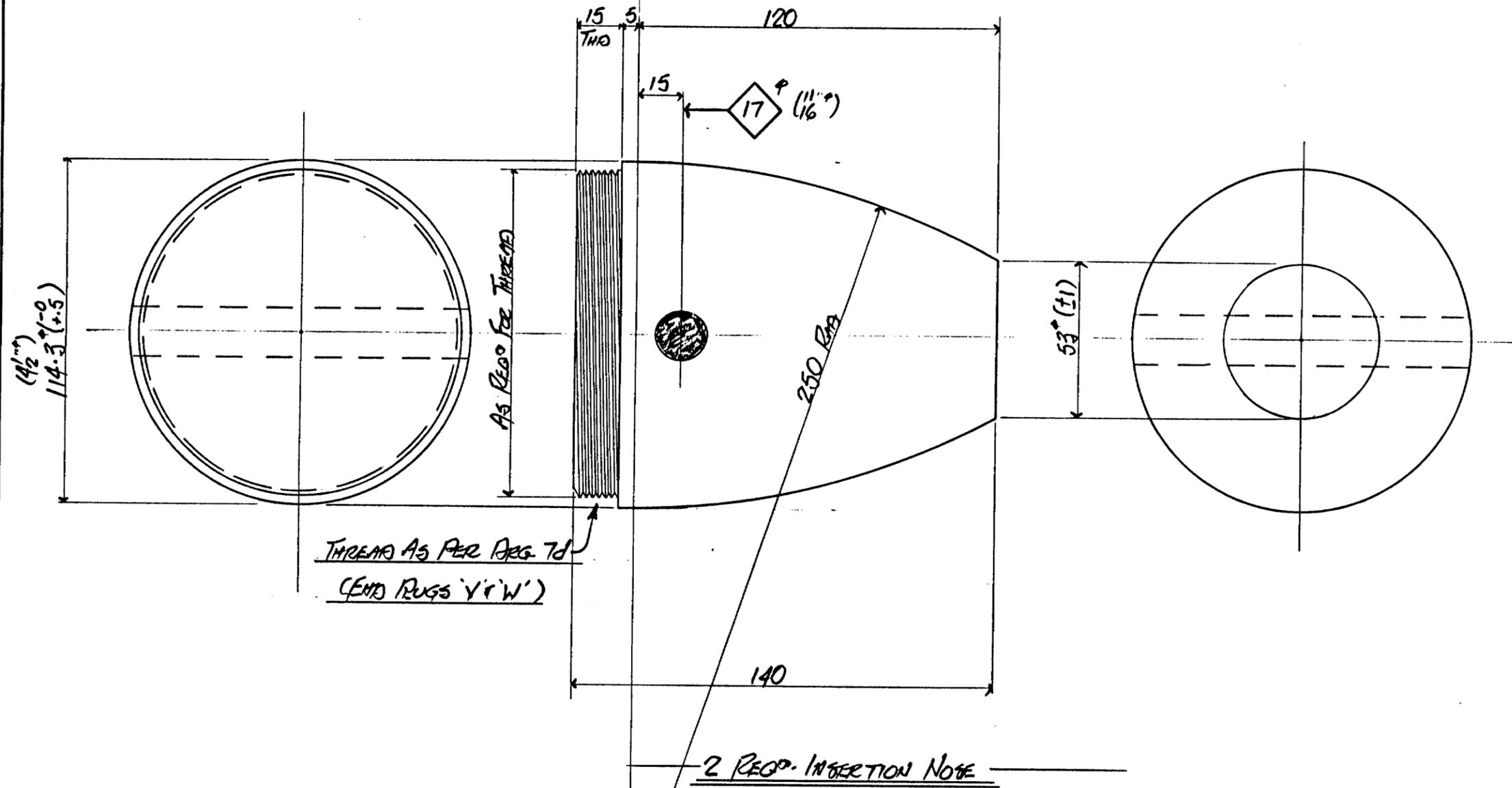
	MATERIAL	G40.21 (44W) Wn	NO. BY DATE	REVISION
	SURF. PREP.		DETAILS W/IN SCREEN	
	PAINT	NONE	LINK ASSEMBLY SHOP JIG	
	OPEN HOLES	AS NOTED	FOR 4.2" TELESCOPE DOVE LA PALMA	
DRAWN	DATE	CHECKED	DATE	DRAWING No.
BR	10/1/84			1420-7K
BRITAIN STEEL LTD., 401 SALTER AVENUE, NEW WESTMINSTER, B.C.				
SHOP DEPARTMENT				

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INS / F / S / O / M / T / P / SH / DP / AS / PA / ER / NO PRINTS



3R/3001232

LINE	SHIP	FAB	MARK	DESCRIPTION	MAT'L	FT.	INS.	F.A.B.	LINE	REMARKS	CUTTING INSTRUCTIONS	WEIGHT	DIVISIONS
	No. REQD.					LENGTH					SPLICING	ALLOWED	
1	2			Bae 1143*	ALUMINUM	140				(4 1/2")			



MATERIAL	ALUMINUM		
SURF. PREP. & PAINT	NONE		
DRAWN	DATE	CHECKED	DATE
RK	6/21/84		

No.	BY	DATE	REVISION
			DETAILS OF WIND SCREEN INSERTION ROSES
			FOR 4.2M TELESCOPE DOME LA PALMA
			DRAWING No. 1420-7m

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

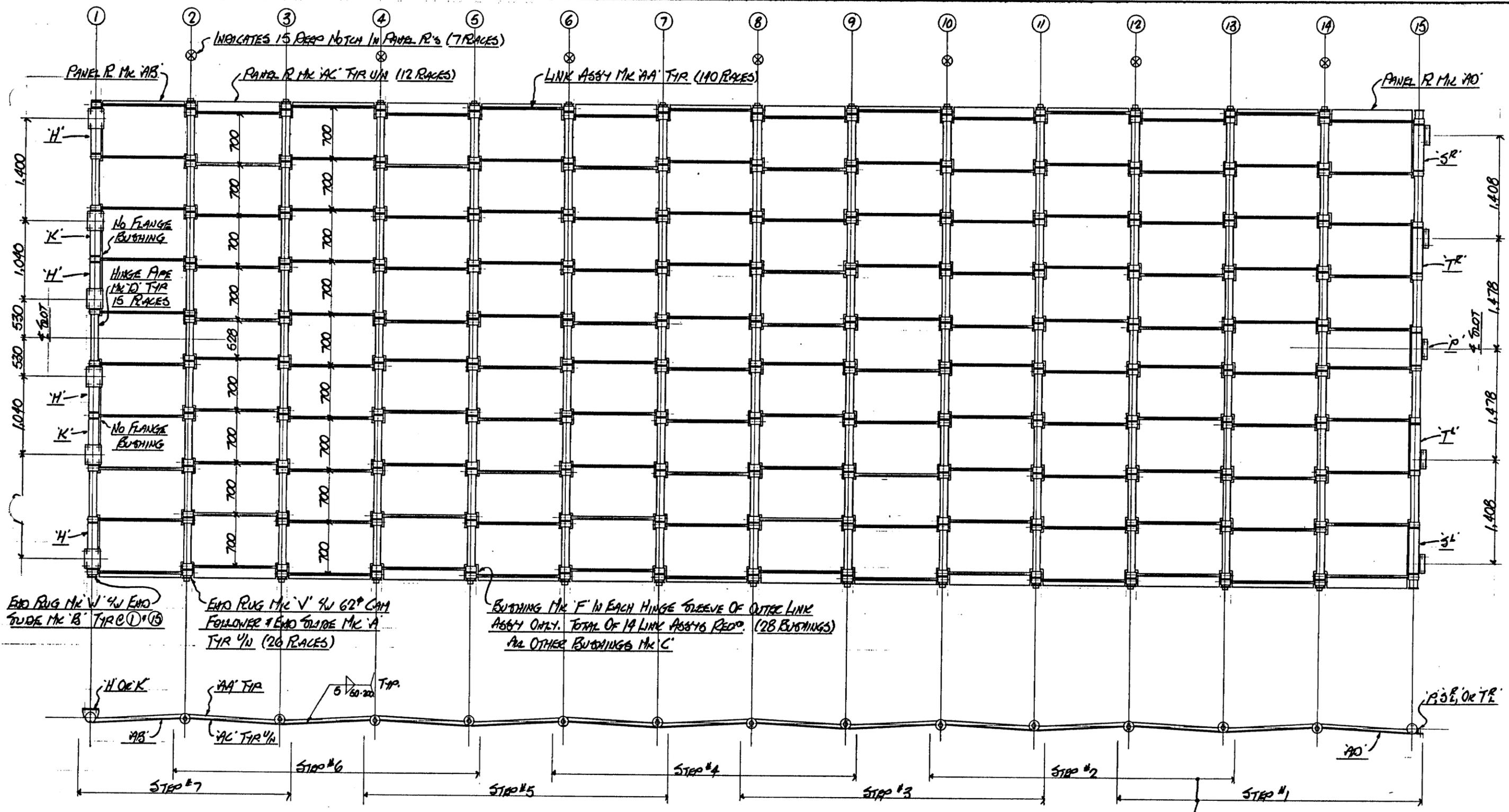
p - a b c d f g h k m n p s t v w y

m - a b c d f g h k m n p s t v w y

SHOP DEPARTMENT

INS / F / S / O / M / T / P / SH / DP / AS / PA / ER

No. PRINTS



WIND SCREEN ASSEMBLY

GENERAL NOTES

- 1) FOR DETAILS OF ITEMS ON THIS FIG SEE FIGS 7a, 7b, 7c, 7d, 7f, & 7g.
- 2) FOR TYPICAL ASSEMBLY SECTIONS & DETAILS SEE FIG 7A

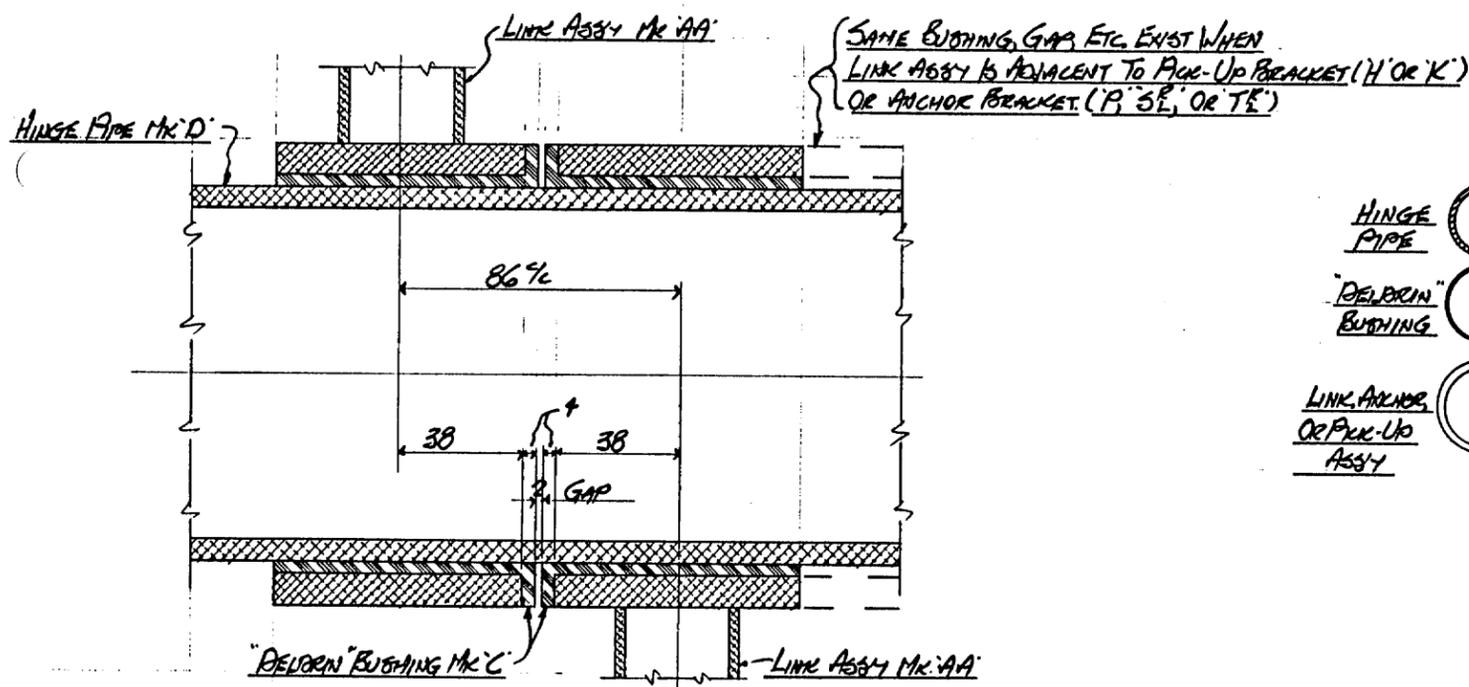
3R/3001233

<b>BRITAIN</b>	DRAWN BS		DATE 1/17/85		CHECKED		DATE		DRAWING NO. 1420-71		<b>MJR</b>	
	<b>BRITAIN STEEL LTD.</b> 401 BALTER AVENUE, NEW WESTMINSTER, B.C.											
NO. BY DATE REVISION										DETAILS <b>WIND SCREEN ASSEMBLY</b> FOR 4.2" TELESCOPE DOME LA PALMA		
SHOP DEPARTMENT										INS / F / S / G / M / T / P / SH / DP / AB / PA / ER		No PRINTS

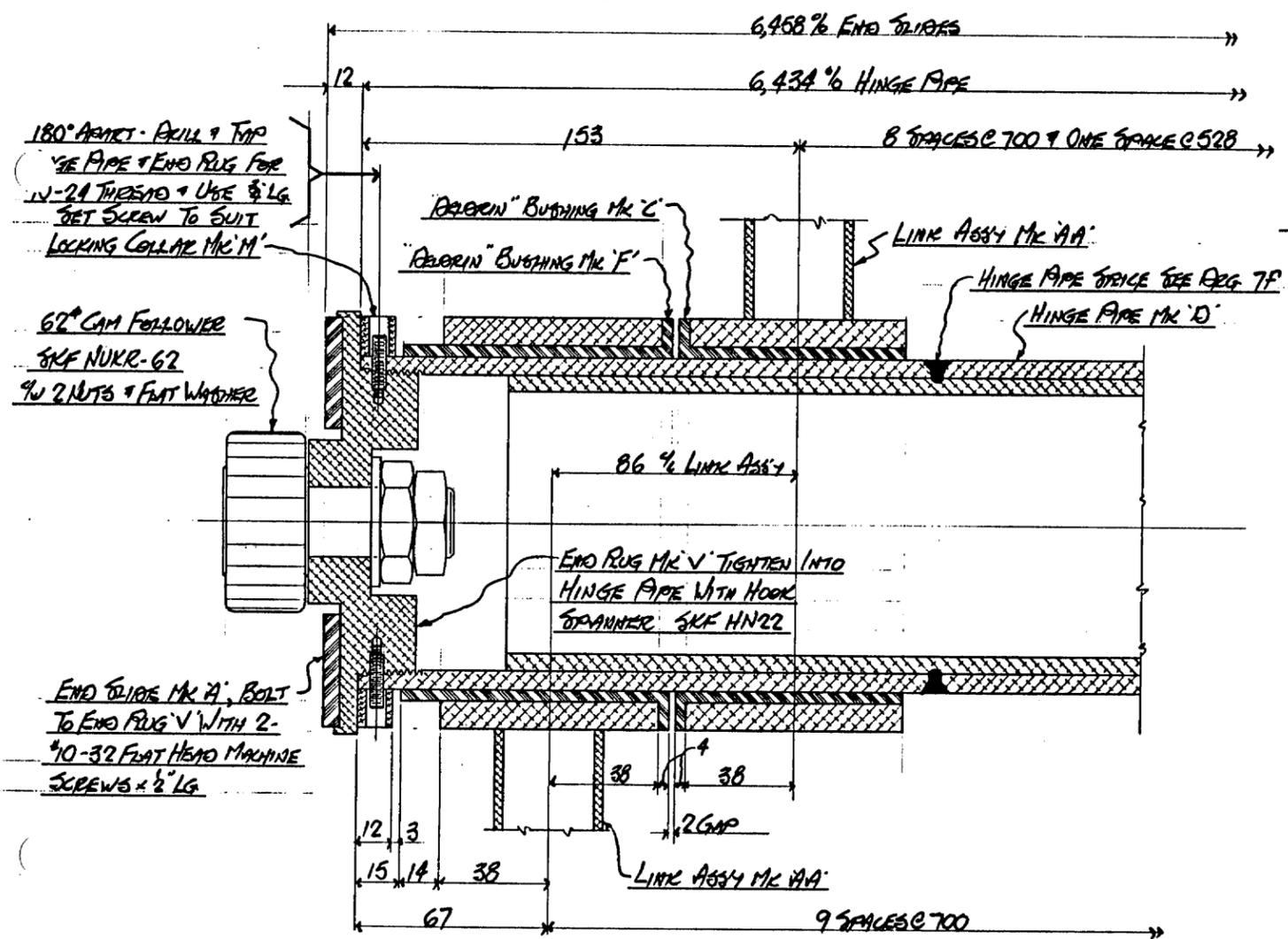
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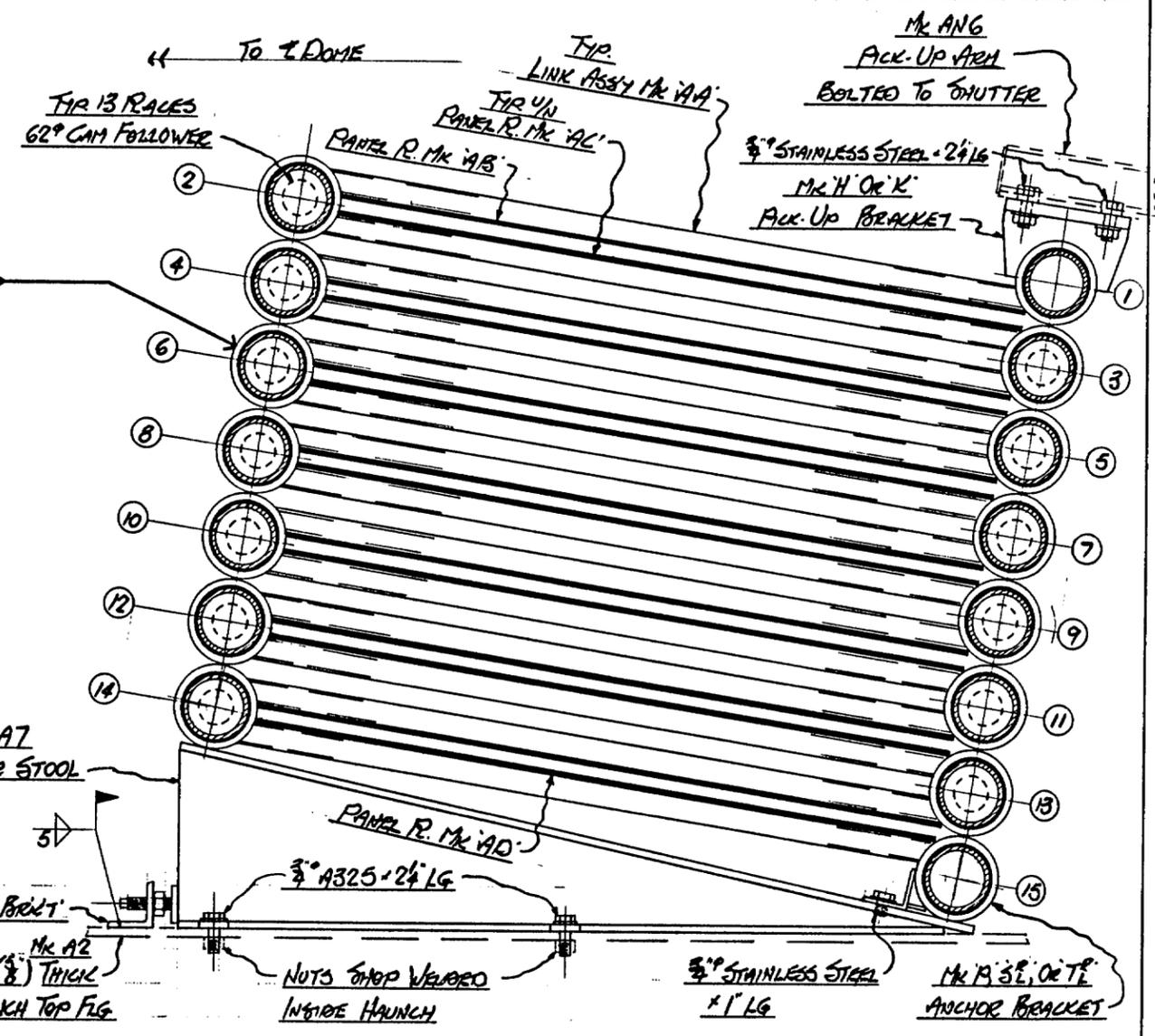
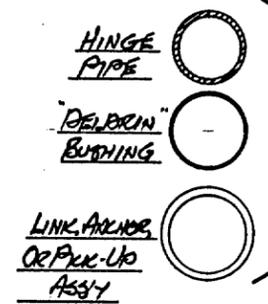
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TYPICAL ASSEMBLY DETAIL



TIP END DETAIL & JOINTS 2 TO 14 INCL.  
JOINTS 1 & 15 SAME EXC FOR END PLUG & END GUIDE MARKS (NO CAM FOLLOWER REQ)



SECT THRU FOLLOWED WIND SCREEN SHOWING CONN. DETAILS TO ANCHOR STOOL & PICK-UP ARMS.

GENERAL NOTES

- 1) FOR OTHER ASSEMBLY DETAILS SEE REG 71.
- 2) FOR DETAILS OF ITEMS ON THIS REG SEE REGS 72, 73, 74, 75, 76, 77, 78, 79.
- 3) FOR DETAILS OF HAUNCH FLG SEE REG 2a.
- 4) FOR DETAILS OF PICK-UP ARM SEE REG 6ad.

3R/3001234

BRITAIN	NO.	BY	DATE	REVISION
	DETAILS WIND SCREEN ASSEMBLY			
FOR 4' 2" TELESCOPE DOME LA PALMA				
DRAWN	DATE	CHECKED	DATE	DRAWING NO.
BR	MAY 85			1420-7p
BRITAIN STEEL LTD. 401 BALTR AVENUE, NEW WESTMINSTER, B.C.				
SHOP DEPARTMENT		INS / P / S / O / M / T / P / SH / DP / AS / PA / ER		