

PARTS LIST	
6	"KONE" HOISTS UN2185 B (3-R.H. GROOVED * 3-L.H. GROOVED)
6	BRACKET'S MK 'AB'
3	DRIVE SHAFTS MK 'BB'
6	SKF-FY108CB FLANGE BEARINGS
6	LINK-BELT RC5016 CHAIN COUPLINGS COMPLETE WITH CHAIN
6	SKF 6207-2RS1 DEEP GROOVE BALL BEARINGS
6	EXTENSION SHAFTS * 57 LG (4140 HT SHAFING)
24	1/2" * 2" LG MACH. BOLTS W/ HEX NUTS & LOCK WASHER
12	1/4" DOWELS
12	PIECES OF KEYSTOCK AS REQD

SUPPLIED BY  
BRITAIN STEEL

FAB'D & SUPPLIED BY  
MACHINE SHOP

MINIMUM  
3/2" O.D. \* .125 WALL  
DRONE LINE STEEL TUBING

STEP WELD & REEN LAYERS WITH  
HIGH STRENGTH ARCTEC NICKEL ROD  
USE 4140 HT SHAF - TEST 300 FT. LB.  
TORQUE, MACHINE & GRIND SMOOTH

LINK-BELT RC 5016  
CHAIN COUPLING

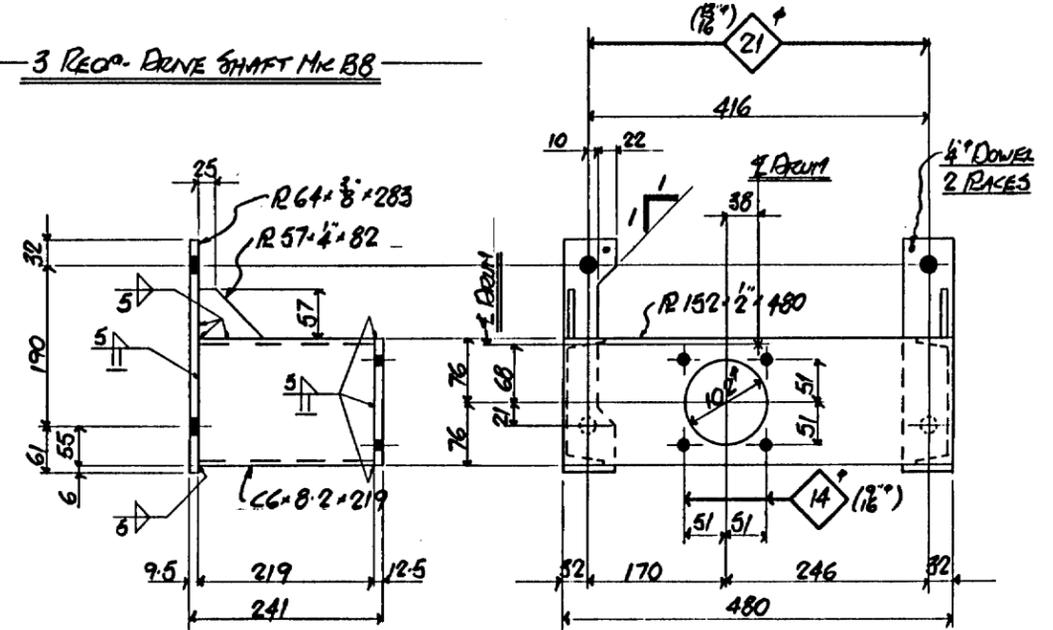
3 REQD - DRIVE SHAFT MK BB

SHIPPING UNITS

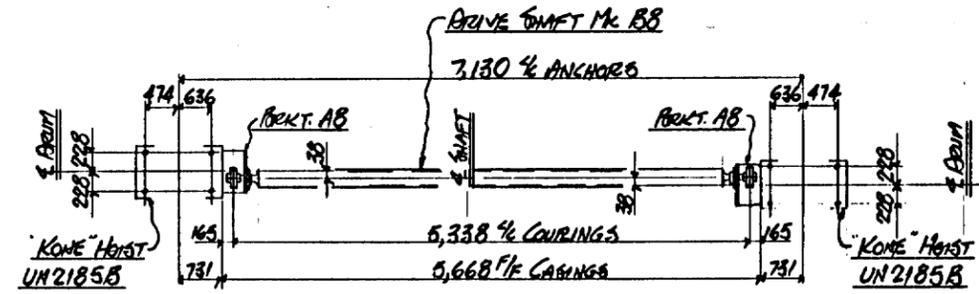
- 6 HOISTS W/ BRKT AB, FLG. PEGS, & COUPLING HALF
- 3 DRIVE SHAFTS W/ COUPLING HALF EACH END
- ONE BAG OF COUPLING CHAINS W/ MASTER LINKS
- (6 PIECES OF CHAIN) WIRE TIED TO ONE DRIVE SHAFT

GENERAL NOTES

1.) THIS ASS. IS IDENTICAL (EXC FOR MINOR REVISIONS) TO  
INDUSTRIAL EQUIPMENT CO. LTD. ASS. K80-022-1



6 REQD - BRACKET MK AB



KEY PLAN  
3 CONCRETE ASSYS REQD THUS



NO.	BY	DATE	REVISION
DETAILS HOIST MODIFICATIONS			
FOR 4.2" TELESCOPE DRUM LA FORM			
DRAWN BL	DATE JUN/84	CHECKED	DATE
DRAWING NO. 1420-80			NO. PRINTS

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

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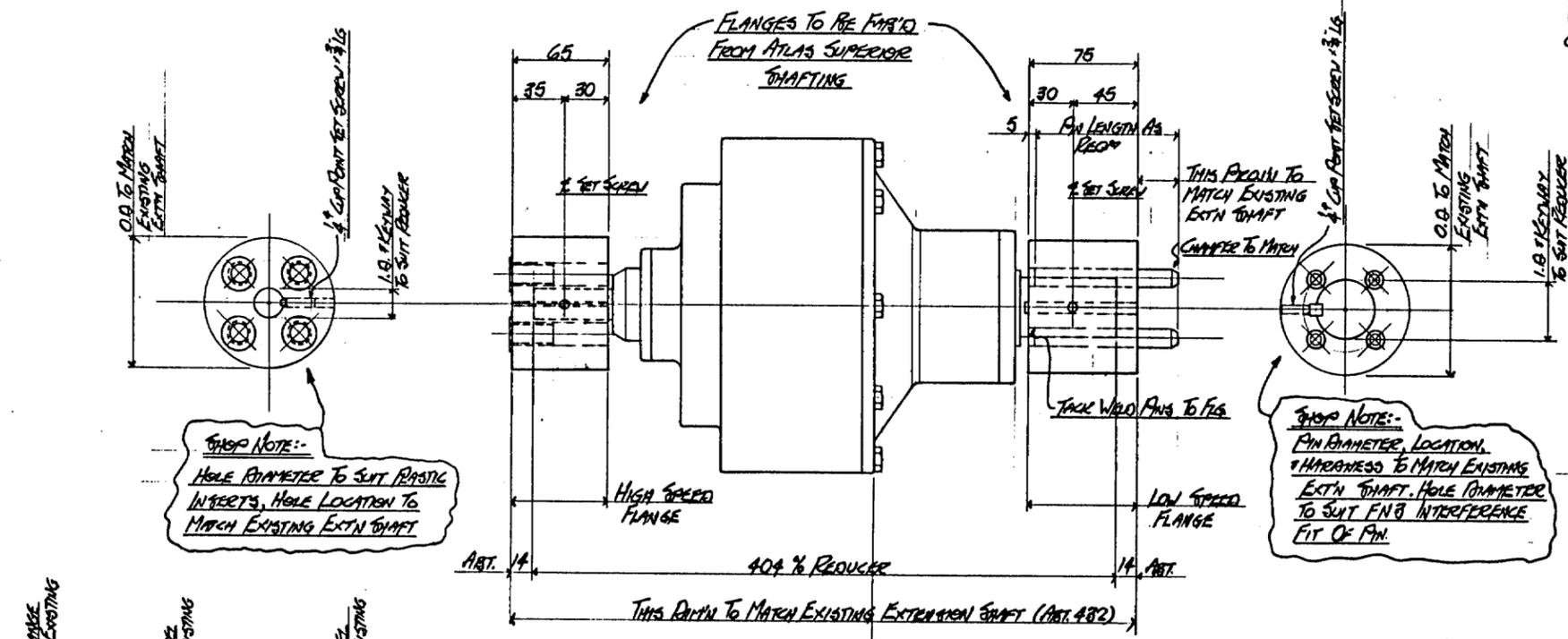
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SHOP DEPARTMENT

IND F S O M T P SH DP AS PA ER

SHOP NOTE:-  
MATCH NEW LOW SPEED  
FLANGE TO THIS END OF  
SHAFT

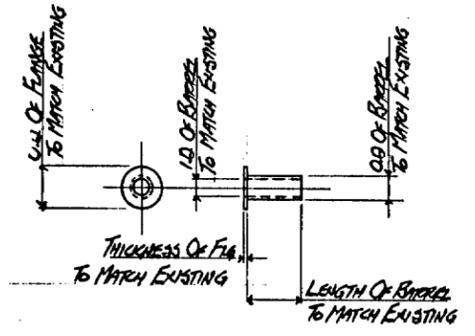
SHOP NOTE:-  
MATCH NEW HIGH SPEED  
FLANGE TO THIS END OF  
SHAFT



SHOP NOTE:-  
HOLE DIAMETER TO SUIT PLASTIC  
INSERTS, HOLE LOCATION TO  
MATCH EXISTING EXTN SHAFT

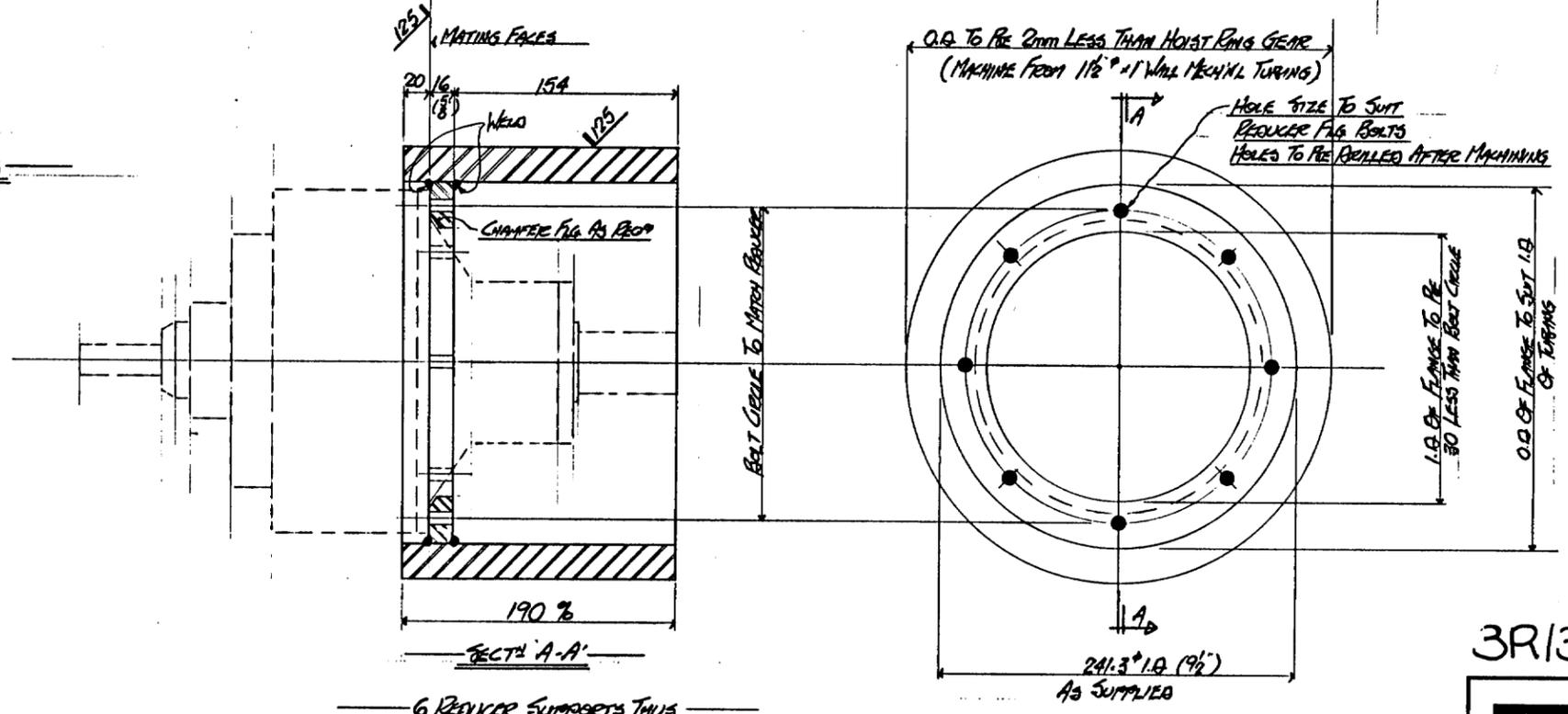
SHOP NOTE:-  
PIN DIAMETER, LOCATION,  
& HARDNESS TO MATCH EXISTING  
EXTN SHAFT. HOLE DIAMETER  
TO SUIT FN3 INTERFERENCE  
FIT OF PIN.

MACHINE SHOP NOTE:-  
BRITAIN STEEL TO SUPPLY THE FOLLOWING ITEMS ONLY  
6 WINDMILL MODEL 2012 PLANETARY REDUCERS \* 6 PIECES  
OF 1 1/2" \* 1" WALL MECHANICAL TURBINE. ALL OTHER COMPONENTS  
REQD TO COMPLETELY FABRICATE ITEMS ON THIS APPS WOULD  
BE SUPPLIED BY YOU.



6 REDUCER ASSEMBLYS THIS  
REDUCER IS A WINDMILL MODEL 2012 2:1 REDUCTION

24 REQD THIS NYLON PLASTIC INSERTS



6 REDUCER SUPPORTS THIS  
ALL MACHINING TO BE DONE  
AFTER FLANGE HAS BEEN  
COMPLETELY WELDED

- GENERAL NOTES
- 1) FOR HOIST ROOM MODIFICATIONS SEE APPS 8C
  - 2) FOR FINAL ASSEMBLY OF ITEMS ON THIS APPS SEE APPS 8C

3R/3001236

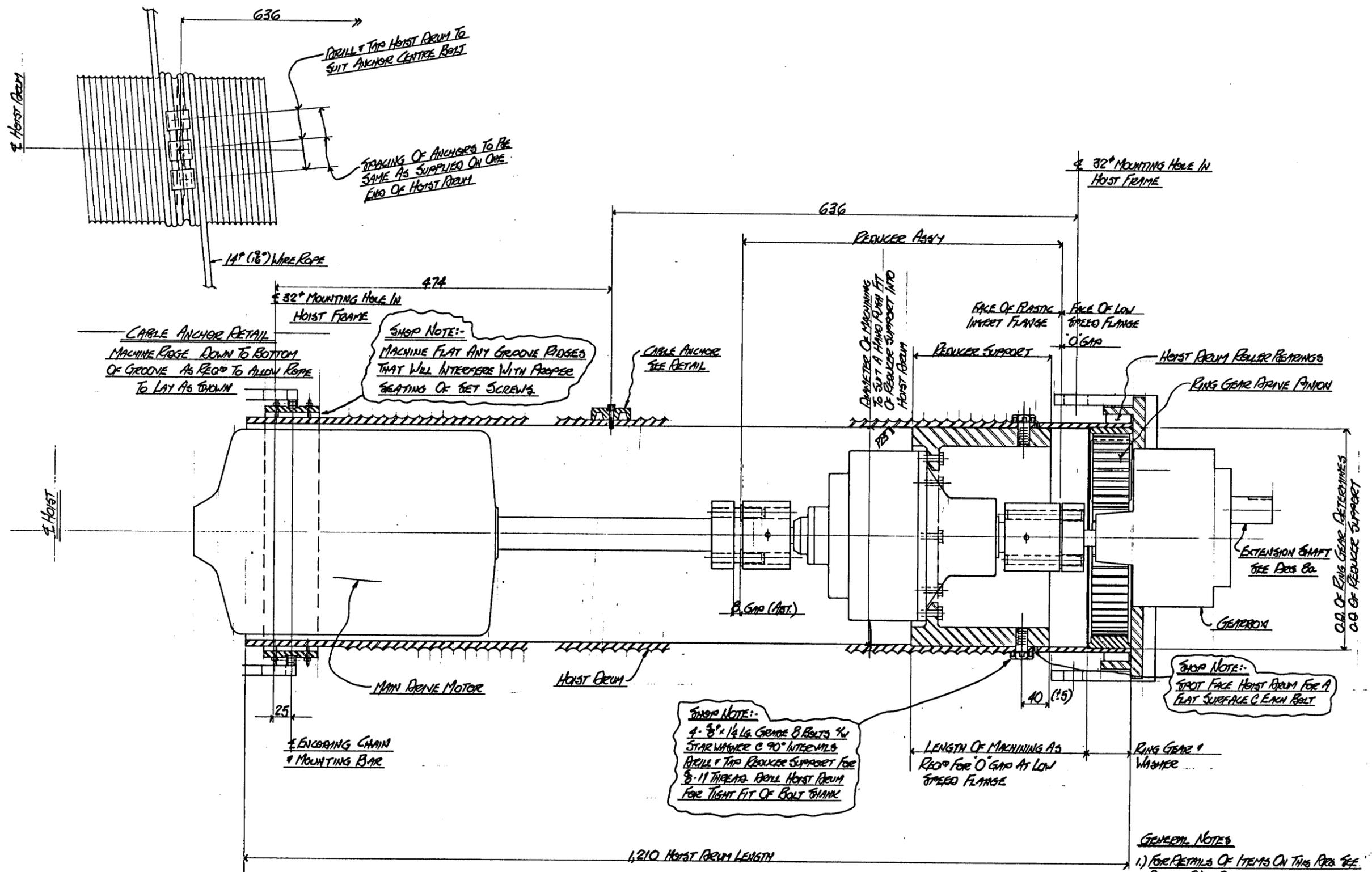
BRITAIN	NO.	BY	DATE	REVISION
	DETAILS HOIST MODIFICATIONS			
FOR 4.2M TELESCOPE ROPE LA PALMA				
DRAWN RL	DATE JULY 81	CHECKED	DATE	DRAWING No. 1420-86 M/T
BRITAIN STEEL LTD. 401 SALTER AVENUE, NEW WESTMINSTER, B.C.				

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SHOP DEPARTMENT  
INB / F / S / Q / M / T / P / SH / DP / AS / PA / ER  
NO. PRINTS



SHOP NOTE:-  
MACHINE FLAT ANY GROOVE RIDGES  
THAT WILL INTERFERE WITH PROPER  
SEATING OF SET SCREWS

SHOP NOTE:-  
4 - 3/8" x 1/4 LG. GRADE 8 BOLTS 4W  
STAR WASHER @ 90° INTERVALS  
DRILL & TAP REDUCER SUPPORT FOR  
3/8-11 THREAD. DRILL HOIST DRUM  
FOR TIGHT FIT OF BOLT SHANK

SHOP NOTE:-  
SCOT FACE HOIST DRUM FOR A  
FLAT SURFACE ON EACH BOLT

GENERAL NOTES  
1.) FOR DETAILS OF ITEMS ON THIS DRAW SEE  
DGS B6 & B9

ASSEMBLY & MACHINING RETAIL - (FIRST SECTION'S FIRST VIEW)  
6 HOISTS MODIFIED AS SHOWN  
HOISTS ARE "KONE" MODEL UN2185B

3R.3001237

	DRAWN RKR		DATE JUL 1961		CHECKED 		DATE 		DRAWING No. 1420-8c		REV. 	
	BRITAIN STEEL LTD. 401 SALTER AVENUE, NEW WESTMINSTER, S.C.											

DETAILS: HOIST MODIFICATIONS  
 FOR 4.2" TELESCOPE DOWN LA PH/MA

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

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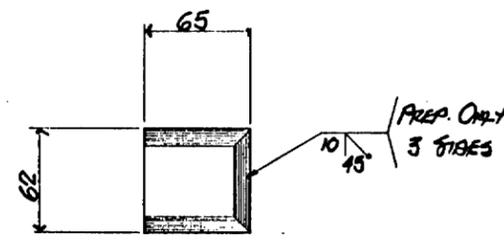
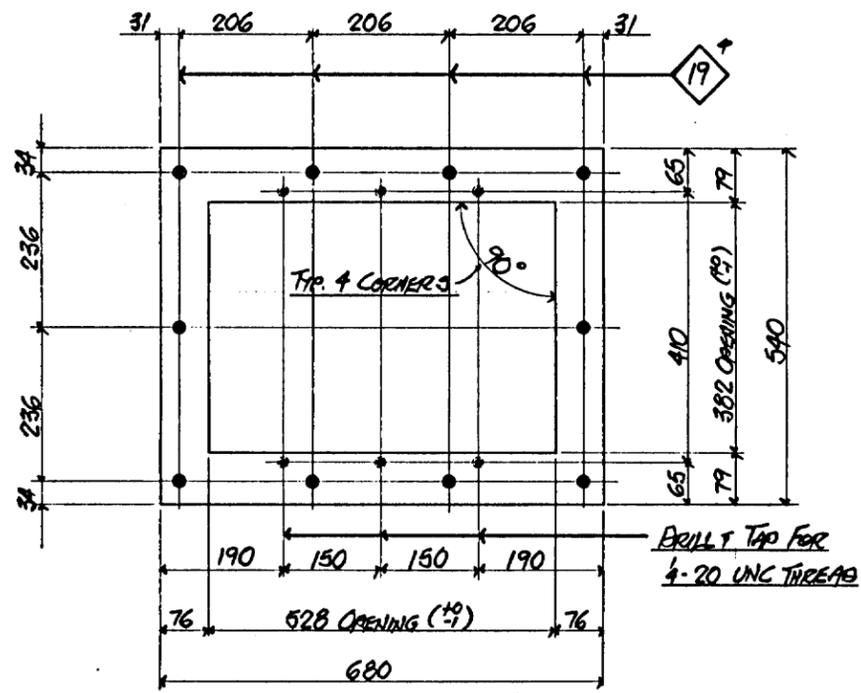
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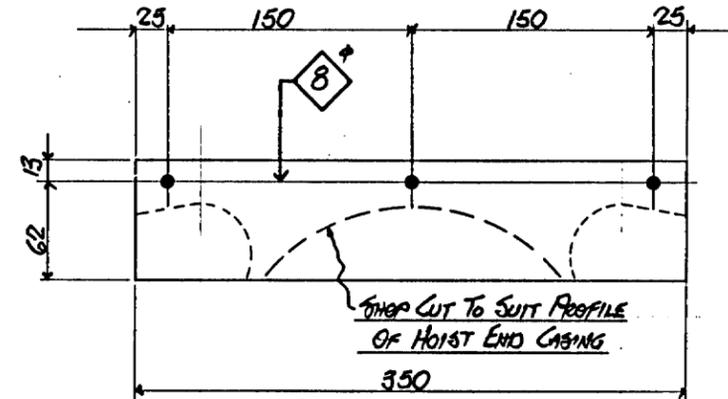
**MATERIAL BILL**  
BRITAIN STEEL LTD.

CONTRACT 1420

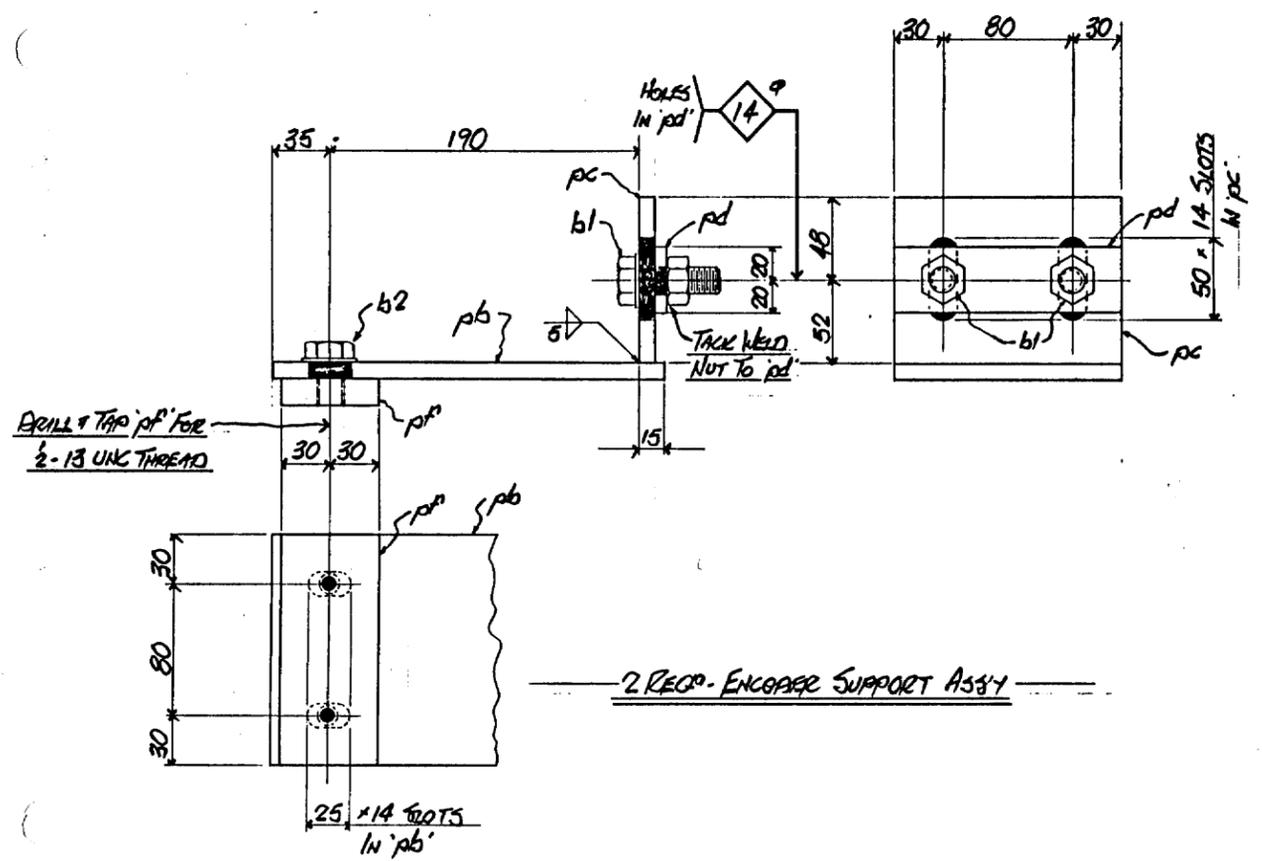
NO	MARK	QTY	SHAPE	SIZE	LENGTH	REMARKS	MATL. TYPE	W/BL LINE	WEIGHT
1	pa	6	R	340x12.7	680	(1/2" R)	44W		
2									
3	pb	12	R	62x16	65	(3/8" R) Prep 3 TUBES	44W		
4									
5	pb	2	R	140x9.5	240	(1/8" R)	44W		
6	pc	2		100x9.5	140				
7	pd	2		40x16.35	140	(1/4" R)			
8	pe	2		60x16	140	(3/8" R)			
9	pf	4	Bolt	1/2" MACH	2"	1/4" NUT & WASHER	A307		
10	pg	4		1/2" MACH	1"	1/4" WASHER			
11									
12	ph	12	R	75x3.42	350	(10Ga)	A36		
13									
14									
15									
16	36	Bolt	1/2" MACH	2 1/2"		BOLTS TO PO	A307		
17	36		FLAT WASHER	FOR 1/2"					
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12 REQ. MOUNTING R. MC 'pb'



12 REQ. FLANGE GEAR R'S MC 'pf'



2 REQ. ENGAGE SUPPORT ASSY

GENERAL NOTES

- 1) USE 1/8" DRILL FOR 1" HOLES & 3/8" DRILL FOR 1 1/2" HOLES IF PREFERRED
- 2) FOR CHAM WELDING & ATTACHMENT OF THESE ITEMS TO HOISTS SEE REG 8
- 3) USE 1/8" DRILL FOR 8" HOLES IF PREFERRED

3R/3001238



MATERIAL: [redacted] AS NOTED  
 SURF. PREP. & PAINT: NONE  
 OPEN HOLES: AS NOTED  
 PAINT ON FINAL ASSEMBLY  
 DRAWN: BR DATE: 12/84 CHECKED: DATE: DRAWING NO: 1420-834

DETAILS: HOIST MODIFICATIONS ITEM CUTTING  
 FOR: 4.2M TELESCOPE ROPE LA FORM  
 BRITAIN STEEL LTD. 401 SALTER AVENUE, NEW WESTMINSTER, B.C.  
 SHOP DEPARTMENT: [redacted] PRINTS: [redacted]

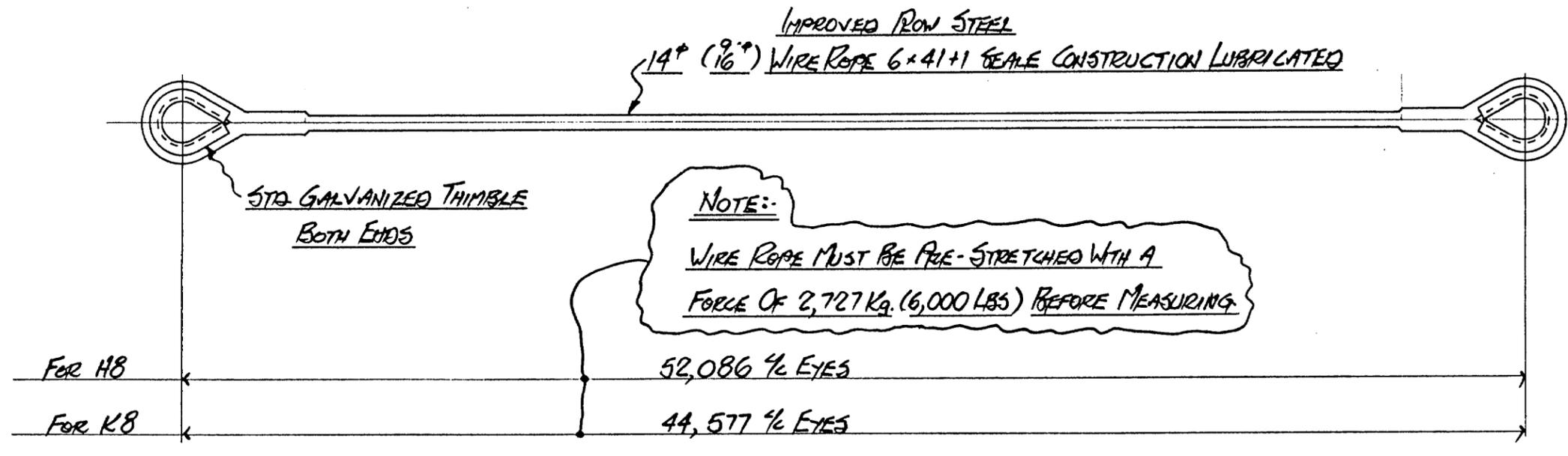
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**NOTE:-**  
 WIRE ROPE MUST BE PRE-STRETCHED WITH A FORCE OF 2,727 Kg. (6,000 LBS) BEFORE MEASURING.

For H8 52,086 1/2 EYES  
 For K8 44,577 1/2 EYES

4 REQ<sup>d</sup> - TOP SHUTTER DRIVE CABLE MK H8  
 2 REQ<sup>d</sup> - BTM. SHUTTER DRIVE CABLE MK K8

3R/300824

LINE	SHIP	FAB	MARK	DESCRIPTION	MAT'L	FT. LENGTH	INS. LENGTH	R.B.	LINE	REMARKS	CUTTING INSTRUCTIONS	WEIGHT	DIVISIONS
						LENGTH					SPLICING	ALLOWED	
7		4		GALVANIZED THIMBLES									
6		2		14" WIRE ROPE						(16")			
5	2	2	KB										
4													
3		8		GALVANIZED THIMBLES									
2		4		14" WIRE ROPE						(16")			
1	4	4	HB										



MATERIAL	As NOTED		
SURF. PREP. & PAINT	None		
DRAWN	DATE	CHECKED	DATE
FR	AG/BA		
DRAWING No.			REV.
1420-8h			W

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

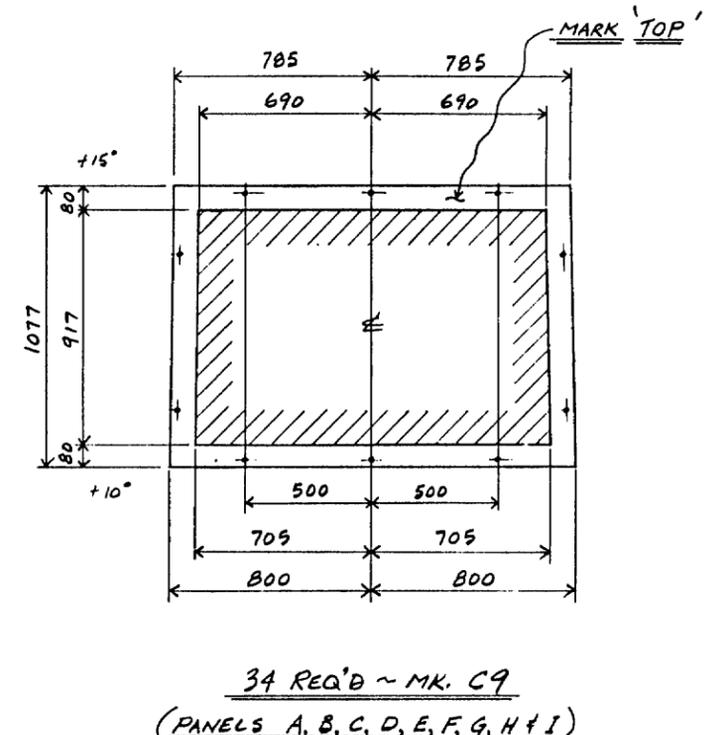
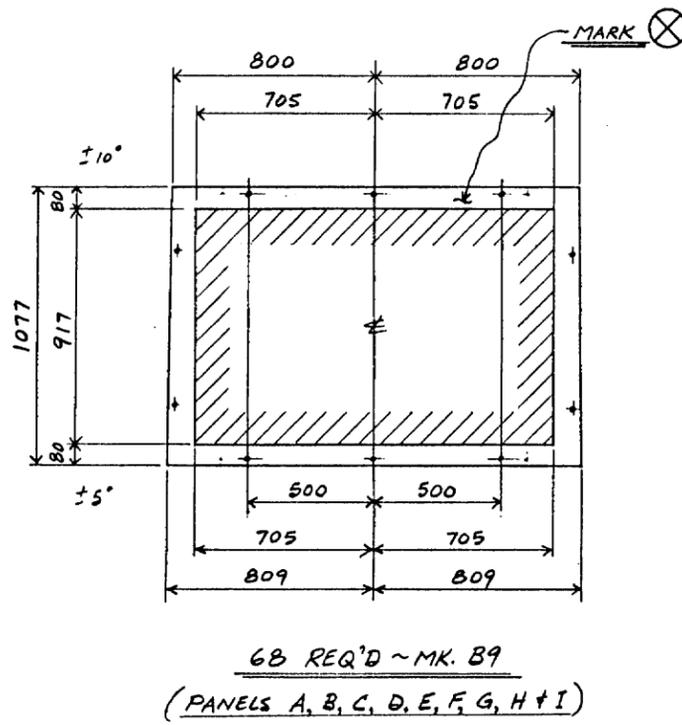
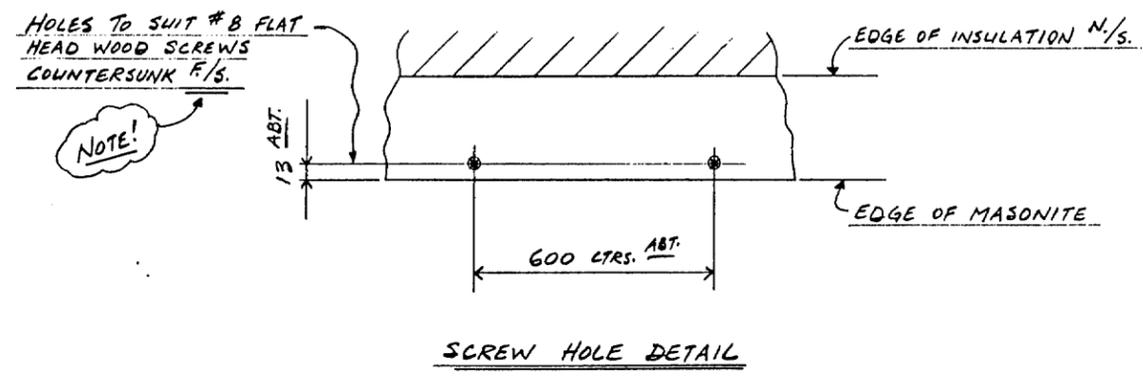
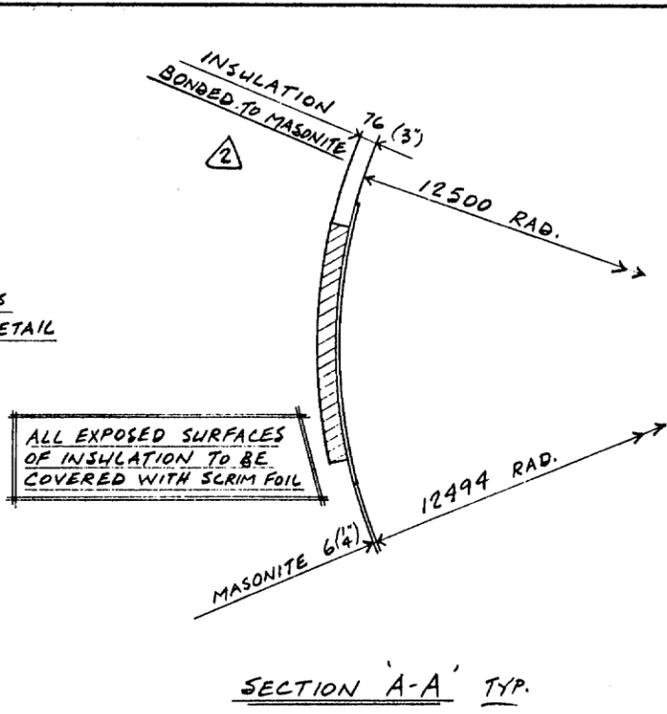
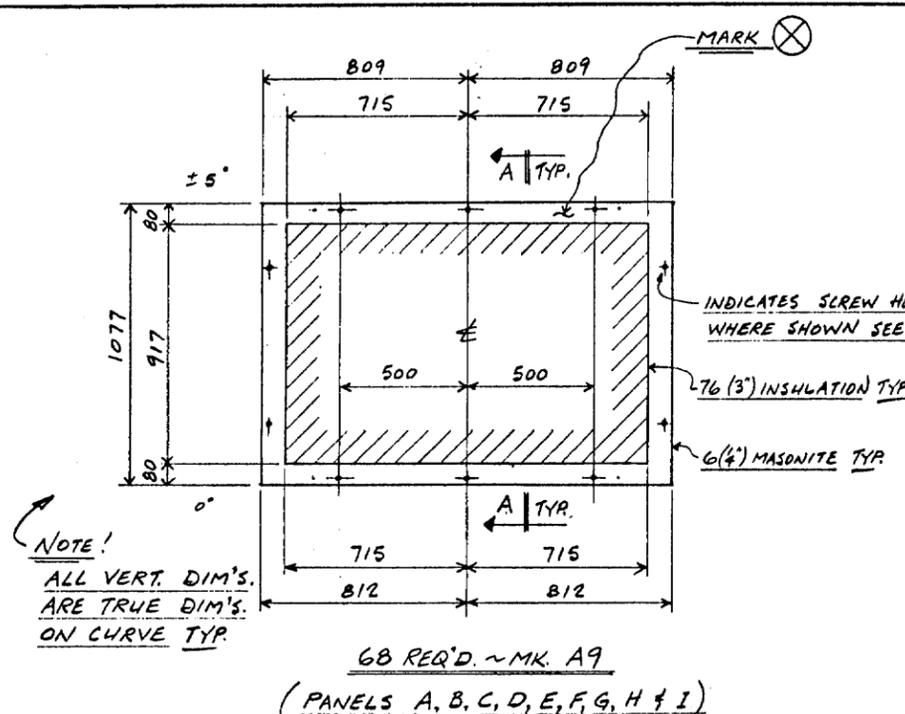
p - a b c d f g h k m n p s t v w y

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







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. 5C2.
- △ 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.

- △ - SCRIM FOIL 1270 (50") WIDE X 60960 (200'-0") LG.
- 10 SHEETS 1219 X 2438 X 6.35 (4' X 8' X 1/4") OIL TEMPERED MASONITE.
- △ - 10 SHEETS 1219 X 2438 X 76.2 (4' X 8' X 3") INSULATION (AS PER SPEC'S.)
- BONDING AGENT FOR AFFIXING INSULATION (SUPPLIER TO DETERMINE QUANTITY REQUIRED)

3R/300827

NO.	BY	DATE	REVISION
2	G.A.	AS NOTED	AS NOTED
1	G.A.	AS NOTED	AS NOTED

<b>BRITAIN</b>	MATERIAL	SEE NOTES	DETAILS	MAIN SHELL
	SURF. PREP. & PAINT	SEE NOTES	LINERS & INSULATION	
	OPEN HOLES	AS NOTED	FOR 4.2" TELESCOPE DOME LA PALMA	
DRAWN	DATE	CHECKED	DATE	DRAWING NO.
G.V.A.	SEPT '83			1420-9a

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

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SHOP DEPARTMENT INS / F / S / G / M / T / P / SH / DP / AS / PA / ER / NO PRINTS