WESTERN GEAR CORPORATION • HEAVY MACHINERY DIVISION • EVERETT, WASHINGTON • TELEPHONE 206-259-9111

150 INCH STELLAR TELESCOPE MOUNTING

BILL OF MATERIAL

QUANTITIES ARE FOR ONE UNIT

PAGE 1 OF 3

ASSEMBLY DWG. NO. W.G.N 102948 / 2150.281E102

ORIGINAL JOB NO.

TITLE: CENTER SECTION & LOWER GIRDER

DRAWN BY: CHECKED BY: Gene Russo DATE: 27 Feb 1968

PRODUCTION CONTROL

ASSEMBLY DWG. NO. ____ NO. OF UNITS ____ CODE ____ SO. ____

PART NO.	DRAWING NO.	NO. REQ'D	DESCRIPTION	MATERIAL	REMARKS	WEIGHT BRM.	WEIGHT FIN.	MATL CODE S S / S D	MATL CODE B / O	MATL CODE P / S	MO /	QTY	DATE REQ'D	DATE DUE	PURCH. ORDER	SUPPLIER	RECEIVED QUANTITY AND DATE	REMARKS
	2150.281E101	Ref	Outline															
	W.G.N 102949																	
1	2150.281E103	1	Center Section	STL	Fabrication													
	W.G.N 102853																	
2	2150.281E104	1	Ring, Lower	STL	Fabrication													
	W.G.N 102889																	
3	2150.281E105	8	Strut	STL	Fabrication													
	W.G.N 102862																	
4	2150.281C107	4	Plate, Strut MTG.	STL	ASTM A-36													
	W.G.D 107302																	
5	2150.281D108	2	Duct, Segment	STL	Fabrication													
	W.G.E 107530																	
6	2150.281D109	6	Duct, Outer	STL	Fabrication													
	W.G.E 107531																	
7	2150.281D110	2	Duct, Outer Drain	STL	Fabrication													
	W.G.E 107532																	
8	2150.281B111	4	Plate, Locating	STL	ASTM A-7 [WELDED TO ITEMS 5 & 7]													
	W.G.C 112309																	
9	2150.281B112	2	Plate, Clamping	STL	ASTM A-36													
	W.G.C 112304																	
10	2150.281C113	2	Tube, Drain	STL	Fabrication													
	W.G.D 107301																	
11	~~2150.281B114~~	~~2~~	~~Block, Bearing~~	~~STL~~	~~ASTM A-36~~													
	~~W.G.B 107534~~																	

DATE	ALT. NO.	REVISION	BY	DATE	ALT. NO.	REVISION	BY
17-69	A	REVISED PER AURA PRINT.		2/26/68	E	PIN 27 WAS FITTED BOLT	
24-69	B	DELETED ITEMS 11, 17 & 18	P.G.			PIN 10 QTY WAS 144	
19-69	C	SEE PAGE 2 OF 2	P.G.			PIN 22 QTY WAS 168	LCS
	D	REV. SHT 2. ADDED SHT. 3.	JC				

WESTERN GEAR CORPORATION
CONSTRUCTION PROJECTS
DEPARTMENT
APPROVED FOR
PROCUREMENT
DATE 12 MAR 68

REF. 1175

K.P.N.O. No. 2150.281A102 DWG NO.

W.G.C. 112 918 ALT E

SHT 1 OF 3

WESTERN GEAR CORPORATION • HEAVY MACHINERY DIVISION • EVERETT, WASHINGTON • TELEPHONE 206-259-9111

150 INCH STELLAR TELESCOPE MOUNTING

BILL OF MATERIAL

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PAGE 2 OF 3

ASSEMBLY DWG. NO. W.G.N 102948 / 2150.281E102

ORIGINAL JOB NO.

TITLE: CENTER SECTION & LOWER GIRDER

DRAWN BY: CHECKED BY: Gene Russo DATE: 6 Feb 68

PRODUCTION CONTROL

ASSEMBLY DWG. NO. ____ NO. OF UNITS ____ CODE ____ SO. ____

PART NO.	DRAWING NO.	NO. REQ'D	DESCRIPTION	MATERIAL	REMARKS	WEIGHT BRM.	WEIGHT FIN.	MATL CODE S S / S D	MATL CODE B / O	MATL CODE P / S	MO /	QTY	DATE REQ'D	DATE DUE	PURCH. ORDER	SUPPLIER	RECEIVED QUANTITY AND DATE	REMARKS
12	2150.281C115	2	Retainer, Shell	STL	ASTM A-7 or Eq.													
	W.G.D 107311																	
13	2150.005B037	16	Dowel, Taper #12	STL	Make from STD No. 12 Taper Pin 2½ long.													
	W.G.C 112342																	
14	~~[illegible]~~																	
15	COMML	(100) A/R	Seal	Neoprene	Rubbercraft Corp. Torrance, California No. 1712 or Appd. Eq.													
16	COMML	96	Screw, Soc. Hd.	STL	1"-8 UNC-2B x 3" LG. Cad Pl													
17	~~COMML~~	~~4~~	~~Dowel~~	~~STL~~	~~[illegible]~~													
18	~~COMML~~	~~4~~	~~Screw, Hex Hd.~~	~~STL~~	~~1"-8 UNC-2B x 3½ LG. Cad Pl~~													
19	COMML	96	Washer, Lock, Split	STL	1" Heavy Cad Pl													
20	COMML	20	Screw, Soc. Hd.	STL	5/16-18 UNC-2B x 1¼ LG. Cad Pl													
21	COMML	168	Screw, Hex, Hd.	STL	3/8-16 UNC-2B x ½ LG. Cad Pl													
22	COMML	168	Washer, Lock, Split	STL	3/8 Medium Cad Pl													
23	COMML	88	Screw, Soc. Hd.	STL	¼-20 UNC-2B x ½ LG. Cad Pl													
24	COMML	88	Washer, Lock, Split	STL	¼ Medium Cad Pl													
25	2150.005B069	16	Dowel, Taper #12	STL	Make from STD No. 12 Taper Pin 4" LG													
	W.G.C 112533																	
26	2150.281D117	2	DUCT SEGMENT CTR.	STL	FABRICATION													
	W.G.E 107846		SECN of LOWER															
			GIRDER ASSY															
27	COMML	48	SOC HD CAPSCREW	STL	¾-10 UNC-2B x 3¼ LG													

WESTERN GEAR CORPORATION
CONSTRUCTION PROJECTS
DEPARTMENT
APPROVED
PROCUREMENT
DATE 12 MAR 68

DATE	ALT. NO.	REVISION	BY	DATE	ALT. NO.	REVISION	BY
17-69	A	REVISED PER AURA PRINT.					
24-69	B	SEE SHEET 1 OF 2	P.G.				
19/69	C	PIN 26 W.G. No. WAS C 107 557	P.G.	3/25/72	D	PIN 27 WAS 1" x 3" LG.	

REF. 1175

K.P.N.O. No. 2150.281A102 DWG NO.

W.G.C. 112 918 ALT. E

SHT 2 OF 3

FIND NO.	NOMENCLATURE	QTY.	CODE IDENT.	MANUFACTURER PART OR DWG NO.	MANUFACTURER NAME	MATL	MATL SPEC	REQ'D CERTS C	P	H	C/C	N/D	N	ALTERNATE SPEC FOR GOVT REFERENCE	WT LBS	REMARKS	MATL CLASS S S / S D	B / O	P / S
28	BUSHING	48		2150.281A 118		STL	AISI 4140												
				WGA 302532															
29	WASHER, FLAT	48		2150.281A 119		STL	ASTM A-37												
				WGA 302533															
30	WASHER, LOCK	48			COMML	STL	COMML									¾ MED, CAD. PL.			
31	WASHER LOCK	20		COMML	COMML	STL	COMML									5/16 MED CAD PLATE			

REF. 1175

SIZE	CODE IDENT NO.		REV
B	16603	PL C112 918	E
SCALE —	WT — LB	SHEET 3 OF 3	

2150.281 A 102

E237