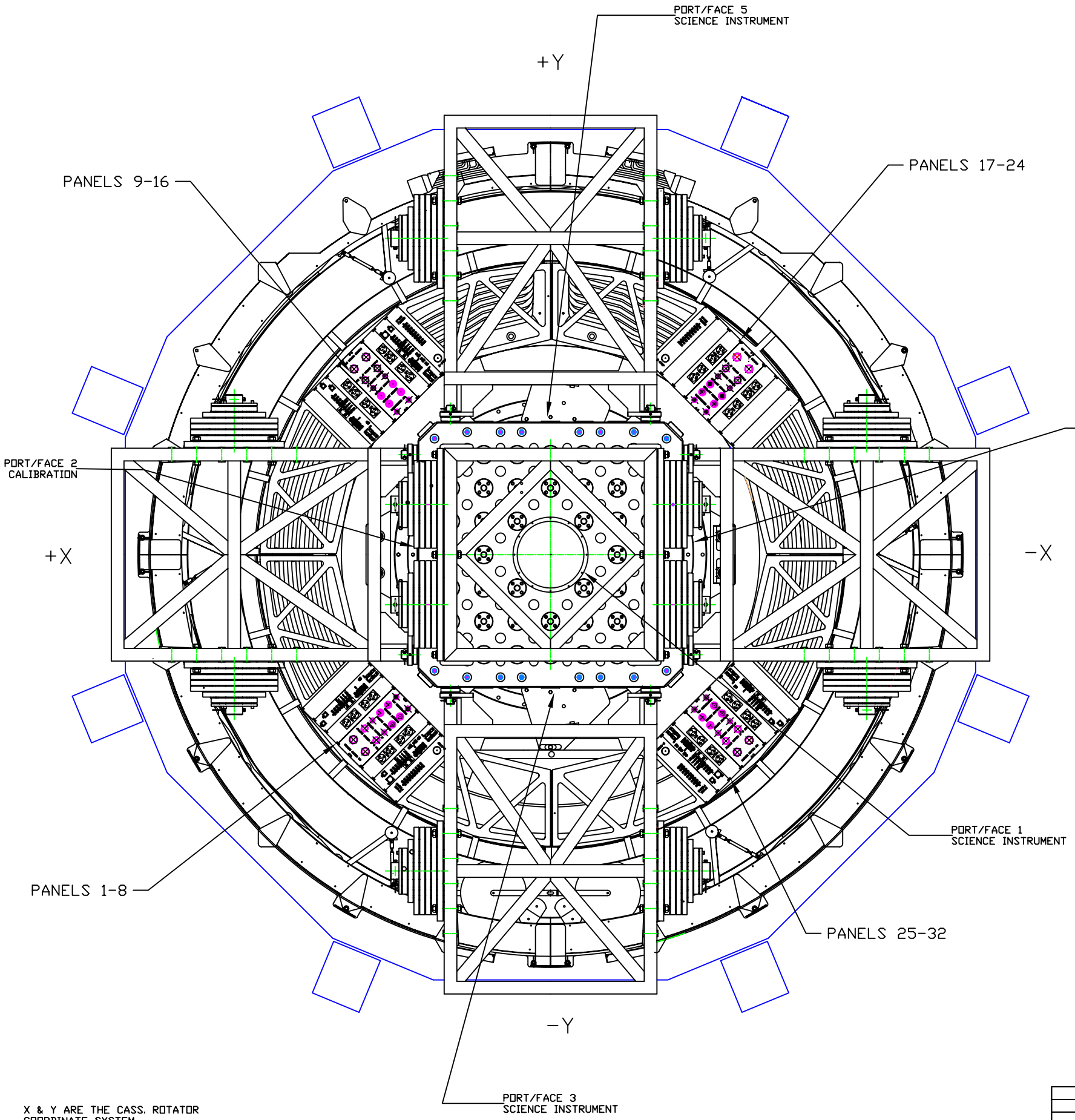
NOTES, UNLESS OTHERWISE SPECIFIED:

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	2/19/99	



X & Y ARE THE CASS. ROTATOR
COORDINATE SYSTEM
ROTATOR ANGLE = 0

TOT	PNL	DRAWING	TITLE/DESCRIPTION	COMMENTS
	32	89-GP-1000-7953	PANEL CONNECTING FLEX LINES	
	31	89-GP-1000-7952	HELIUM LONG RETURN FLEX LINES	
	30	89-GP-1000-7951	HELIUM SHORT RETURN FLEX LINES	
	29	89-GP-1000-7200	SERVICES BREAKOUT PANEL ASSEMBLY	DOUBLE PANEL
	28			
	27	89-GP-1000-7952	HELIUM LONG RETURN FLEX LINES	
	26	89-GP-1000-7951	HELIUM SHORT RETURN FLEX LINES	
	25	89-GP-1000-7950	HELIUM SUPPLY FLEX LINES	
	24	89-GP-1000-7953	PANEL CONNECTING FLEX LINES	
	23	89-GP-1000-7952	HELIUM LONG RETURN FLEX LINES	
	22	89-GP-1000-7951	HELIUM SHORT RETURN FLEX LINES	
	21	89-GP-1000-7200	SERVICES BREAKOUT PANEL ASSEMBLY	DOUBLE PANEL
	20			
	19	89-GP-1000-7952	HELIUM LONG RETURN FLEX LINES	
	18	89-GP-1000-7951	HELIUM SHORT RETURN FLEX LINES	
	17	89-GP-1000-7950	HELIUM SUPPLY FLEX LINES	
	16	89-GP-1000-7953	PANEL CONNECTING FLEX LINES	
	15	89-GP-1000-7952	HELIUM LONG RETURN FLEX LINES	
	14	89-GP-1000-7951	HELIUM SHORT RETURN FLEX LINES	
	13	89-GP-1000-7200	SERVICES BREAKOUT PANEL ASSEMBLY	DOUBLE PANEL
	12			
	11	89-GP-1000-7952	HELIUM LONG RETURN FLEX LINES	
	10	89-GP-1000-7951	HELIUM SHORT RETURN FLEX LINES	
	9	89-GP-1000-7950	HELIUM SUPPLY FLEX LINES	
	8	89-GP-1000-7953	PANEL CONNECTING FLEX LINES	
	7	89-GP-1000-7952	HELIUM LONG RETURN FLEX LINES	
	6	89-GP-1000-7951	HELIUM SHORT RETURN FLEX LINES	
	5	89-GP-1000-7200	SERVICES BREAKOUT PANEL ASSEMBLY	DOUBLE PANEL
	4			
	3	89-GP-1000-7952	HELIUM LONG RETURN FLEX LINES	
	2	89-GP-1000-7951	HELIUM SHORT RETURN FLEX LINES	
	1	89-GP-1000-7950	HELIUM SUPPLY FLEX LINES	

-1 QTY	ITEM NO.	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION	PROCUREMENT SPECIFICATION	NOTES

PARTS LIST

NEXT ASSY	USED ON
APPLICATION	

UNLESS OTHERWISE SPECIFIED
- DIMENSIONS ARE IN MILLIMETERS
- GENERAL TOLERANCES:
  DECIMALS: .X = ±0.5 .XX = ±0.2 ANGLES: ±1°
  PARENTHESIS, INFORMATION IS FOR REFERENCE ONLY
- REMOVE ALL BURRS AND BREAK SHARP EDGES 0.5 MAX
- RUNOUT ADJACENT MACHINED COAXIAL DIA 0.25 FIM
- INSPECTION OF SCREW THREADS IS HM
  FED-STD-1021/20, SYSTEM 21

HOLE TOLERANCES

.33 THRU	+.10 −.03	3.10 THRU	+.13 −.03	6.35 THRU	+.15 −.03
3.16		6.35		12.70	
13.71 THRU	+.20 −.03	18.06 THRU	+.25 −.03	35.41 THRU	+.30 −.03
19.05		20.40		50.80	

		DATE
DRAWN	B Montgomery	12/2/99
CHK		
ENG		
APVD		
QA		
CONTRACT		
RELEASE		

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

CASSEGRAIN CABLE WRAP
INSTRUMENT SERVICES PANELS

SIZE	DWG NO.	REV
E	89-GP-1000-5004	A

SCALE | SHEET 1 OF 1