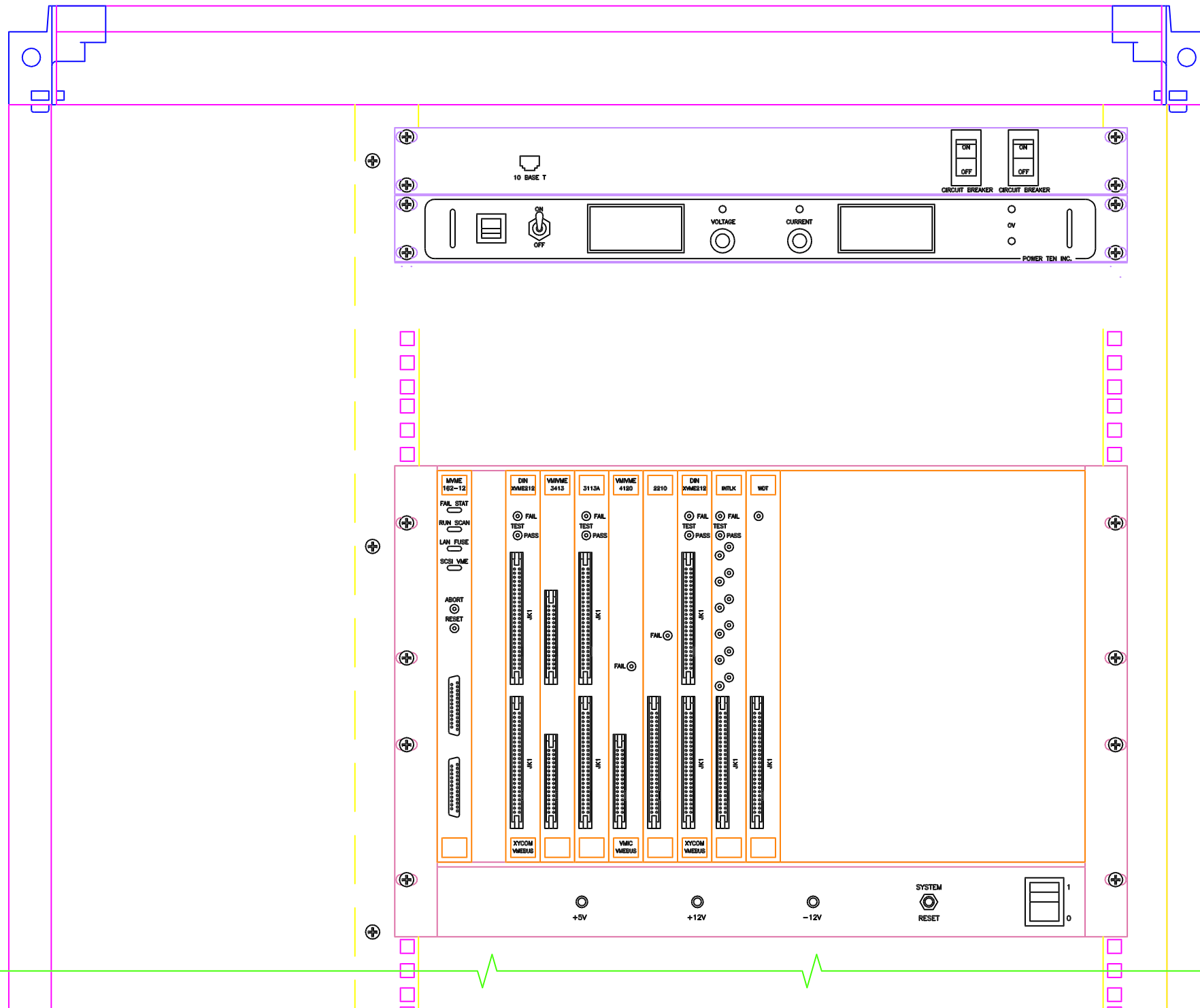


SEE SEPERATE BILL OF MATERIALS

				UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL ± ANGULAR ± BEND ± TWO PLACE DECIMAL ± THREE PLACE DECIMAL ± FINISHED SURFACE RNS BREAK CORNERS IN OUT REMOVE ALL BURRS				CURRENT REVISION APPROVAL				LIGO CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY	
				DO NOT SCALE THIS DRAWING				DRAWN R. Bork CHECKED				GROUP CDS SIGNATURE DATE 9-26-97	
				A Initial release per DCN E980122-00-C								ASSEMBLY VCMS RACK LA LEFT END STATION	
DWG. NO. DESCRIPTION DWG. NO. DESCRIPTION				REV DESCRIPTION SHEETS EFFECTED DATE				SCALE SIZE DWG. NO. REV. B D961351-A-C				CAD FILE SHEET 1 OF 10 VER. 01	
REFERENCE DRAWINGS				USED IN: NEXT ASS'Y:				DCC					

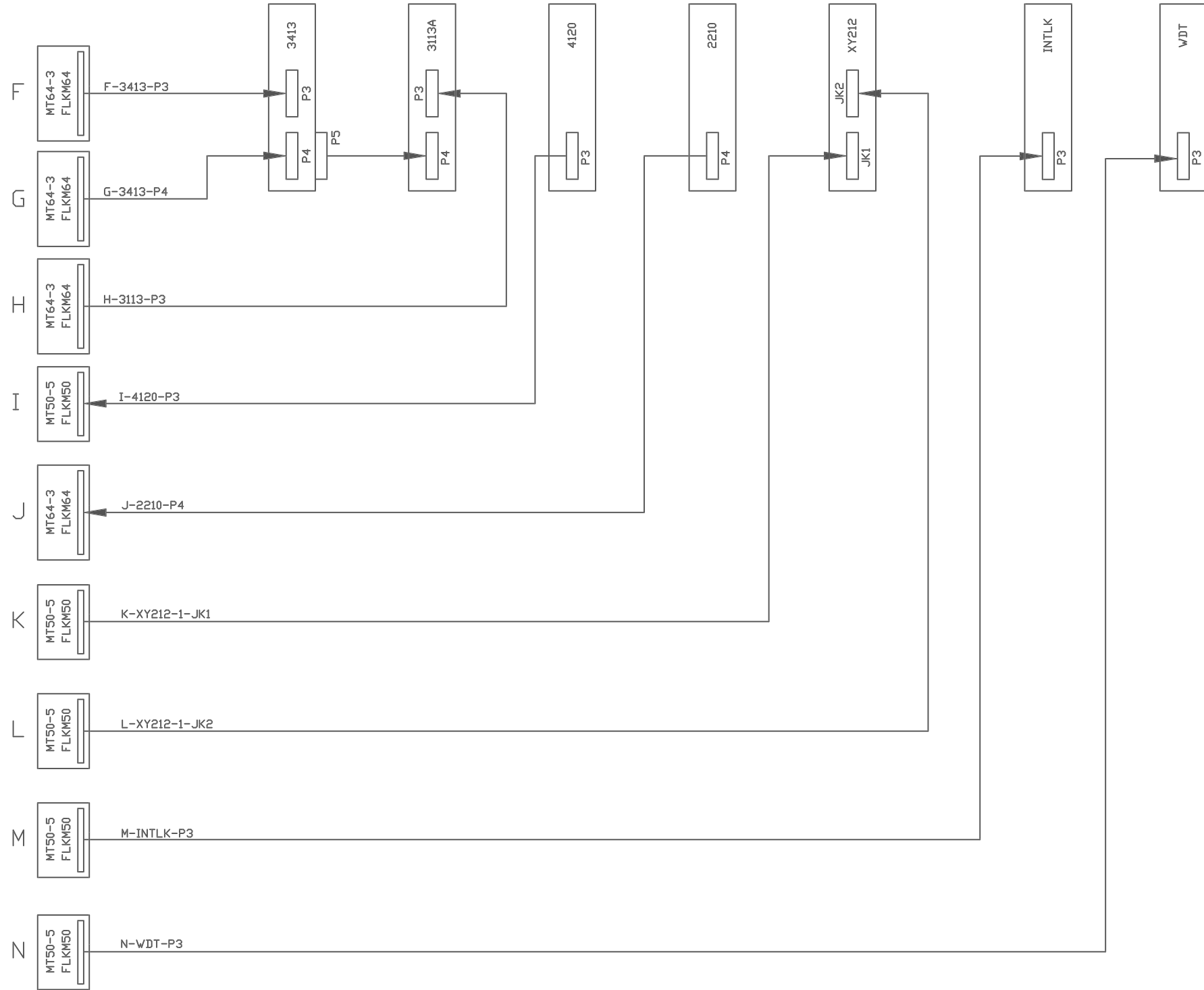
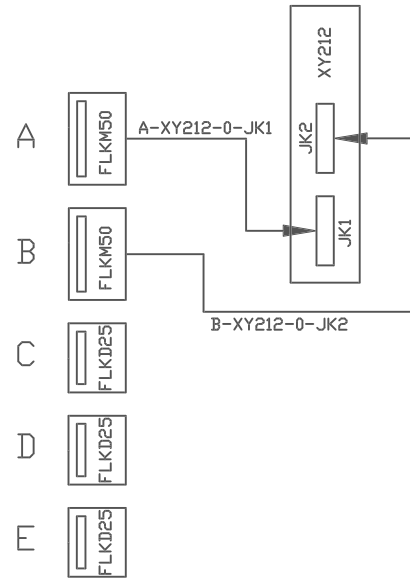
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VME MODULE TABLE	
SLOT #	MODULE NAME
SLOT 0	MVME 162-12
SLOT 2	XY212
SLOT 3	3413
SLOT 4	3113A
SLOT 5	4120
SLOT 6	2210
SLOT 7	XY212
SLOT 8	INTLK
SLOT 9	WDT

				UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL ± ANGULAR APPROX ± BEND ± TWO PLACE DECIMAL ± THREE PLACE DECIMAL ± FINISHED SURFACE FINISH BREAK CORNERS IN REMOVE ALL BURRS				CURRENT REVISION APPROVAL				LIGO CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY	
				DO NOT SCALE THIS DRAWING				DRAWN R. Bork CHECKED				ASSEMBLY, VCMS RACK LA LEFT END STATION	
DWG. NO. DESCRIPTION DWG. NO. DESCRIPTION USED ON:				REV DESCRIPTION SHEETS EFFECTED DATE				GROUP CDS SIGNATURE DATE 9-26-97				SCALE SHEET 2 OF 10	
REFERENCE DRAWINGS				NEXT ASSY:				DCC				REV. 01	

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01-09-97 - 10:17



				UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES				CURRENT REVISION APPROVAL				LIGO CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY			
				TOLERANCES: FRACTIONAL ± ANGULAR ± BEND ± TWO PLACE DECIMAL ± THREE PLACE DECIMAL ± FINISHED SURFACE RNS BREAK CORNERS IN OUT REMOVE ALL BURRS				DRAWN R. Bork				GROUP CDS			
				DO NOT SCALE THIS DRAWING				SIGNATURE				DATE 4/3/98			
				USED ON:				CHECKED							
DWG. NO.				DESCRIPTION				REV				DESCRIPTION			
6				5				4				3			
REFERENCE DRAWINGS				NEXT ASSY:				ISSUE DESCRIPTION				DCC			
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												SCALE -			
												SIZE DWG. NO. B D961351-A-C			
												REV. A			
												SHEET 3 of 10			
												VER. 01			

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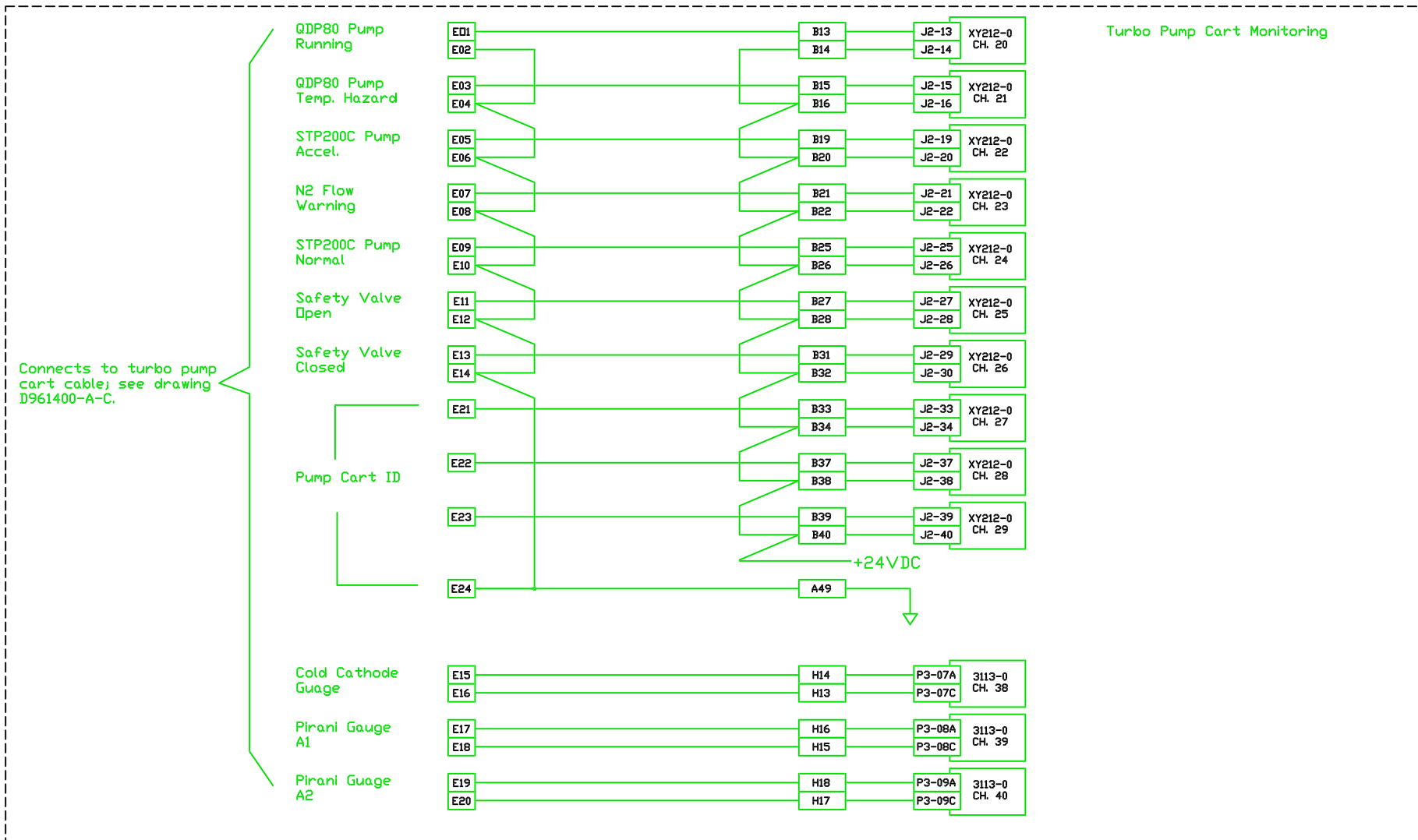
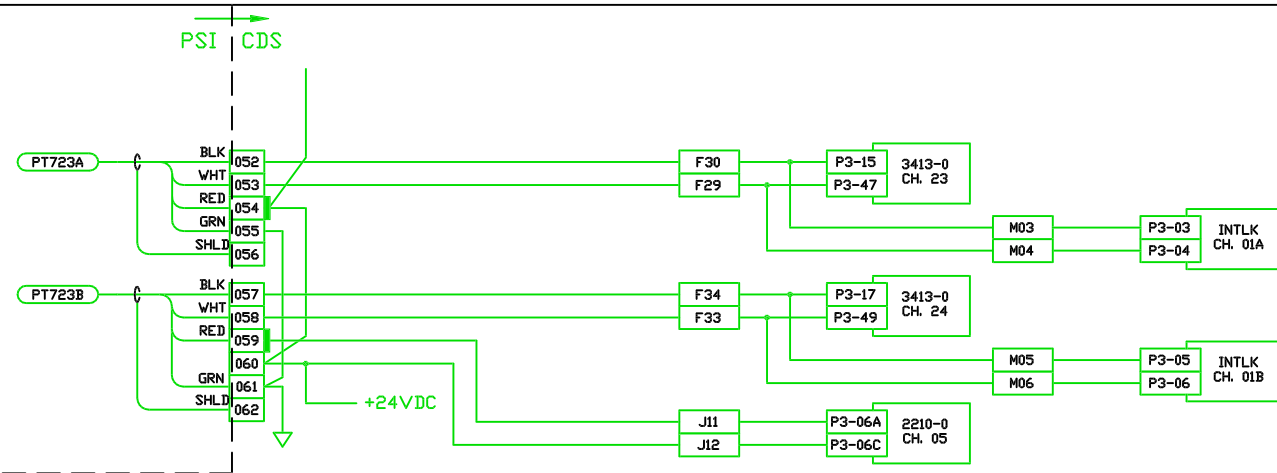
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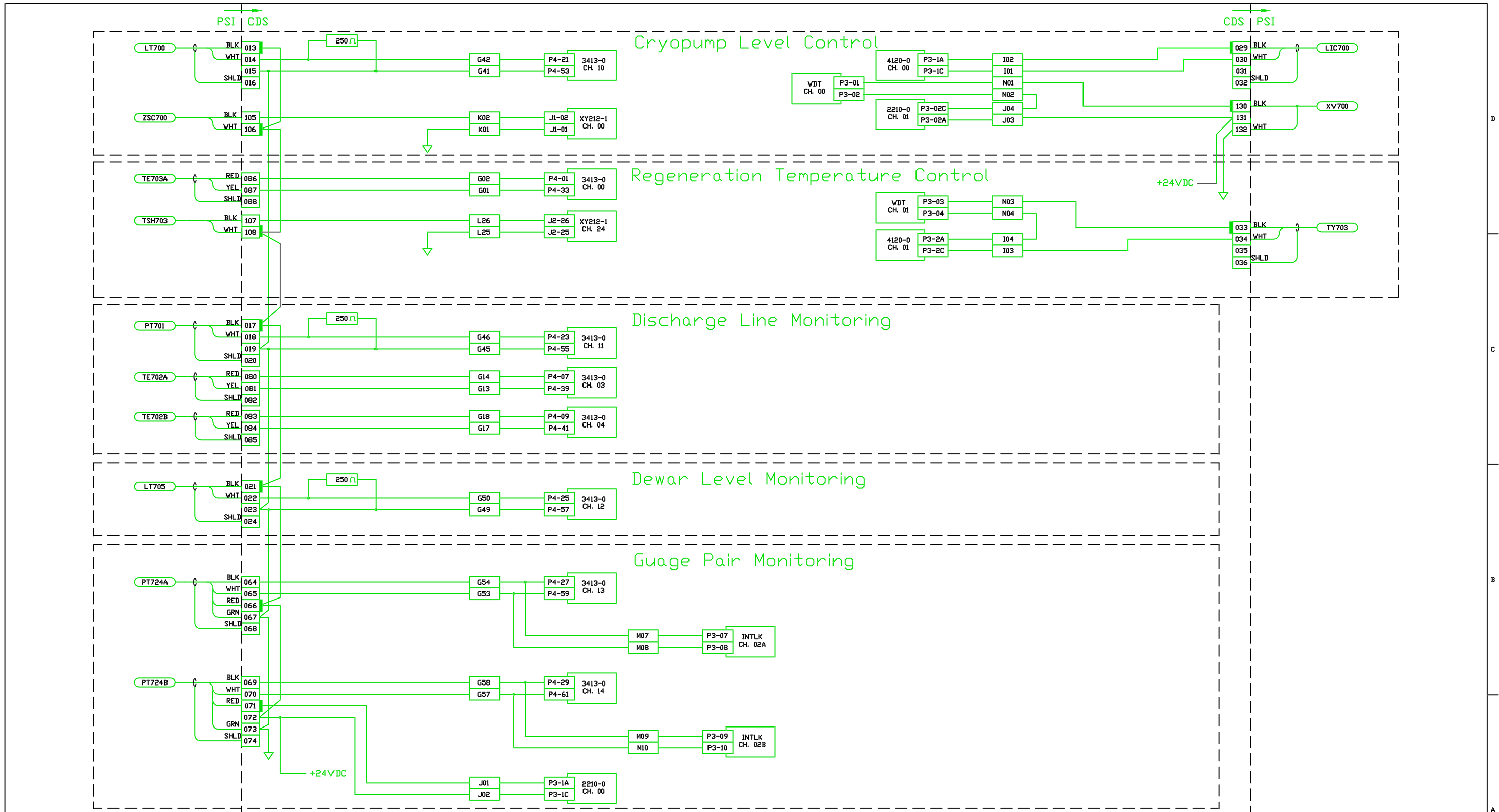
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				UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL ± ANGULAR ± BEND ± TWO PLACE DECIMAL ± THREE PLACE DECIMAL ± FINISHED SURFACE RNS BREAK CORNERS IN REMOVE ALL BURRS				CURRENT REVISION APPROVAL				LIGO CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY			
				DO NOT SCALE THIS DRAWING				DRAWN R. Bork				GROUP CDS			
				USED ON:				CHECKED				SIGNATURE			
				NEXT ASS'Y:				DATE 4/3/98				DATE 4/3/98			
				REV				DESCRIPTION				SCALE			
				ISSUE DESCRIPTION				SHEETS EFFECTED				DATE			
				DWG. NO.				DESCRIPTION				DWG. NO.			
				REFERENCE DRAWINGS				DWG. NO.				DESCRIPTION			
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				3				2				1			
				B				D961351-A-C				REV. A			
				5 of 10				SHEET				VER. 01			

VCMS ELECTRICAL DIAGRAM
LA LEFT END STATION
BEAM TUBE

SCALE: B
DWG. NO.: D961351-A-C
SHEET: 5 of 10
REV. A

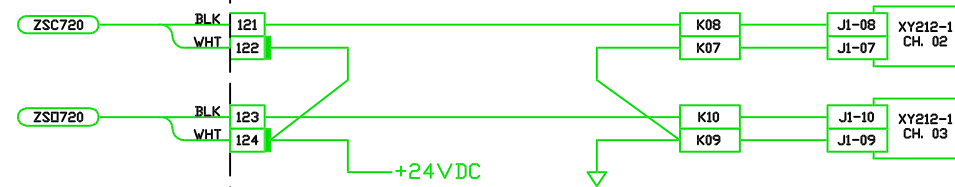


UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL ± ANGULAR ± BEND ± TWO PLACE DECIMAL ± THREE PLACE DECIMAL ± FINISHED SURFACE R/S BREAK CORNERS IN OUT REMOVE ALL BURRS		DO NOT SCALE THIS DRAWING		REV	DESCRIPTION	SHEETS EFFECTED	DATE	CURRENT REVISION APPROVAL		LIGO CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY VCMS ELECTRICAL DIAGRAM LA LEFT END STATION LCP3	
DWG. NO.	DESCRIPTION	DWG. NO.	DESCRIPTION	USED ON:	ISSUE DESCRIPTION	DCC		DRAWN R. Bork CHECKED	GROUP CDS		SIGNATURE
6	REFERENCE DRAWINGS	5		4	A Initial release per DCN E980122-00-C						
SCALE		SIZE	DWG. NO.	REV.	SHEET		6 OF 10	VER. 01			
		B	D961351-A-C	A							

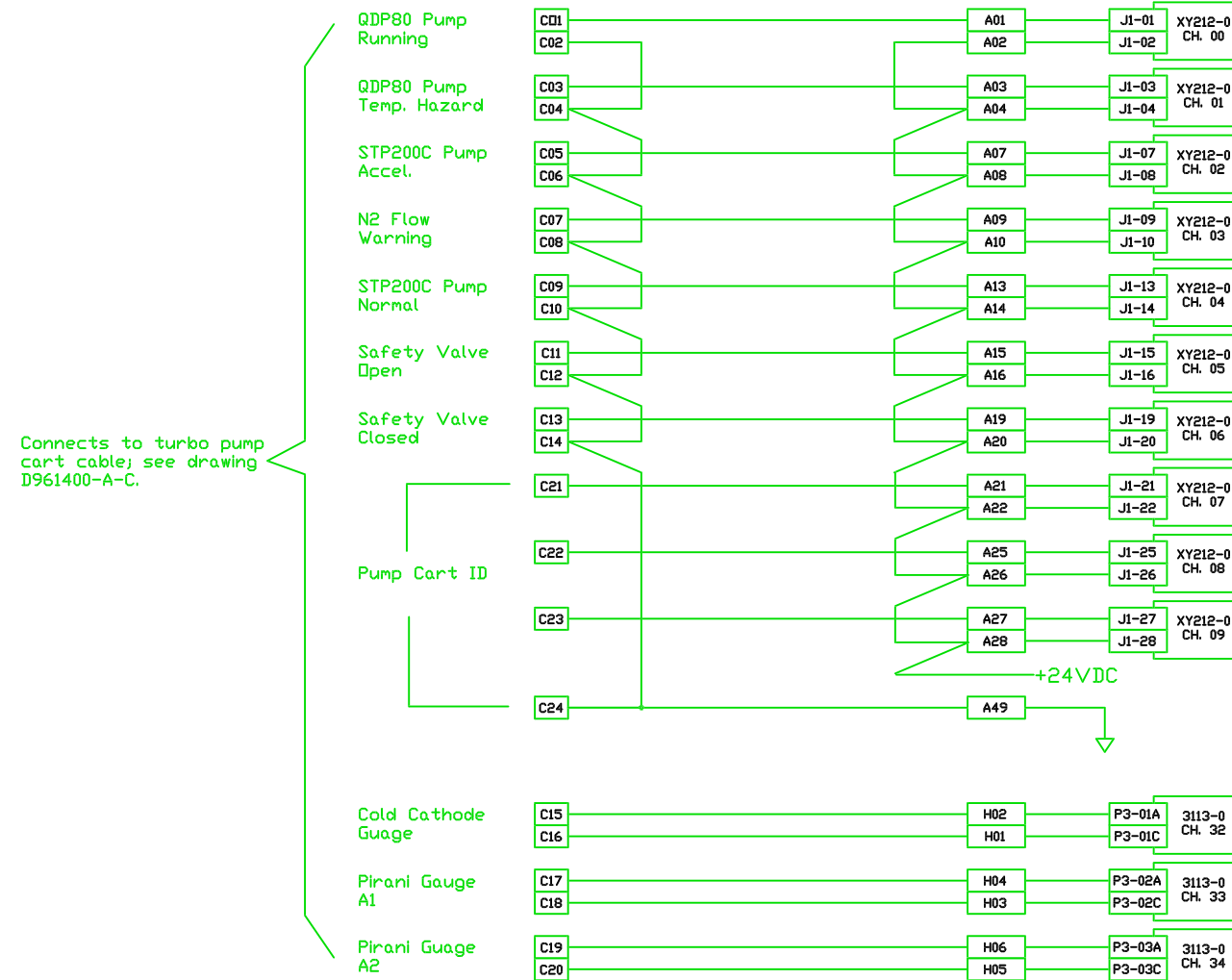
PSI CDS

CDS PSI

10" Pumpout Port Valve



Turbo Pump Cart Monitoring



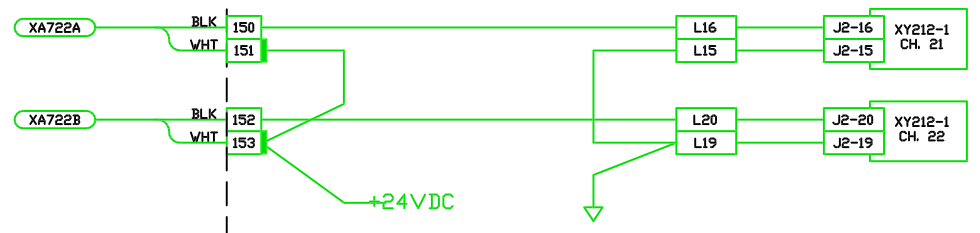
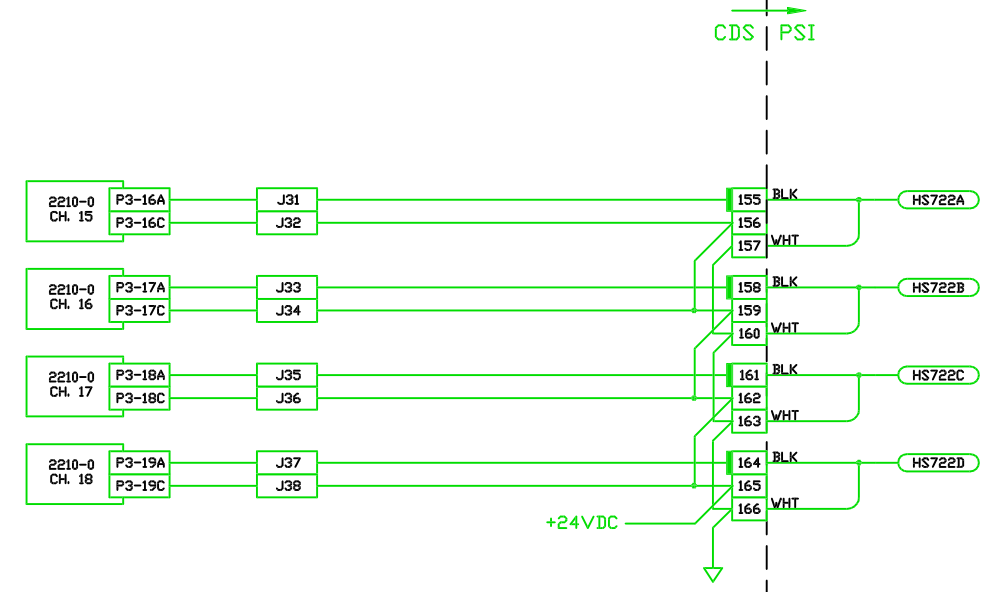
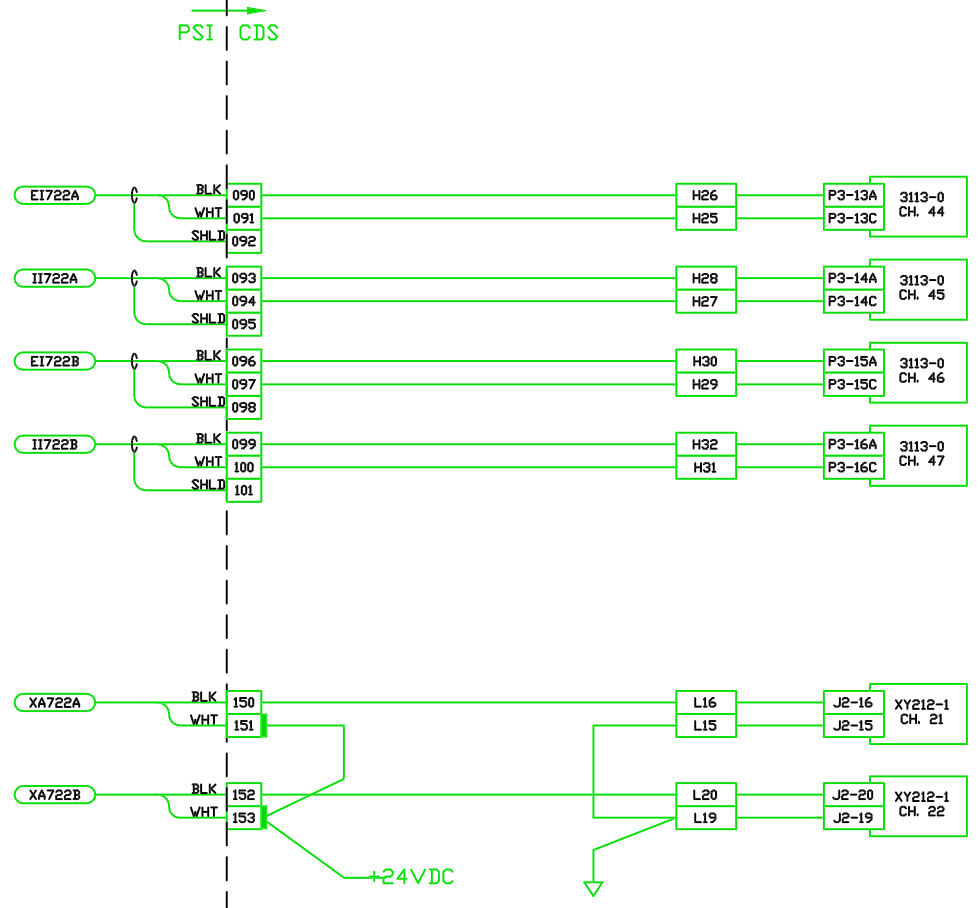
Connects to turbo pump cart cable; see drawing D961400-A-C.

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES:
FRACTIONAL ±
ANGULAR ±
THREE PLACE DECIMAL ±
FINISHED SURFACE RNS
BREAK CORNERS IN
REMOVE ALL BURRS

DO NOT SCALE THIS DRAWING
USED ON:
NEXT ASS'Y:

REV	DESCRIPTION	SHEETS EFFECTED	DATE	CURRENT REVISION APPROVAL				LIGO CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY VCMS ELECTRICAL DIAGRAM LA LEFT END STATION LCP3
				DRAWN	GROUP	SIGNATURE	DATE	
A	Initial release per DCN E980122-00-C			R. Bork	CDS		4/3/98	

DWG. NO.	DESCRIPTION	DWG. NO.	DESCRIPTION
6		5	



				UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL ± ANGULAR/BEND ± TWO PLACE DECIMAL ± THREE PLACE DECIMAL ± FINISHED SURFACE RNS BREAK CORNERS IN REMOVE ALL BURRS				CURRENT REVISION APPROVAL				LIGO CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY			
				DO NOT SCALE THIS DRAWING				DRAWN R. Bork				GROUP CDS			
				USED ON:				CHECKED				SIGNATURE			
				NEXT ASS'Y:				DATE 4/3/98				DATE			
DWG. NO.				DESCRIPTION				REV				DESCRIPTION			
6				5				4				3			
REFERENCE DRAWINGS				ISSUE DESCRIPTION				DCC				SCALE			
												SIZE DWG. NO. B D961351-A-C			
												SHEET 10 OF 10			
												REV. A			
												VER. 01			

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