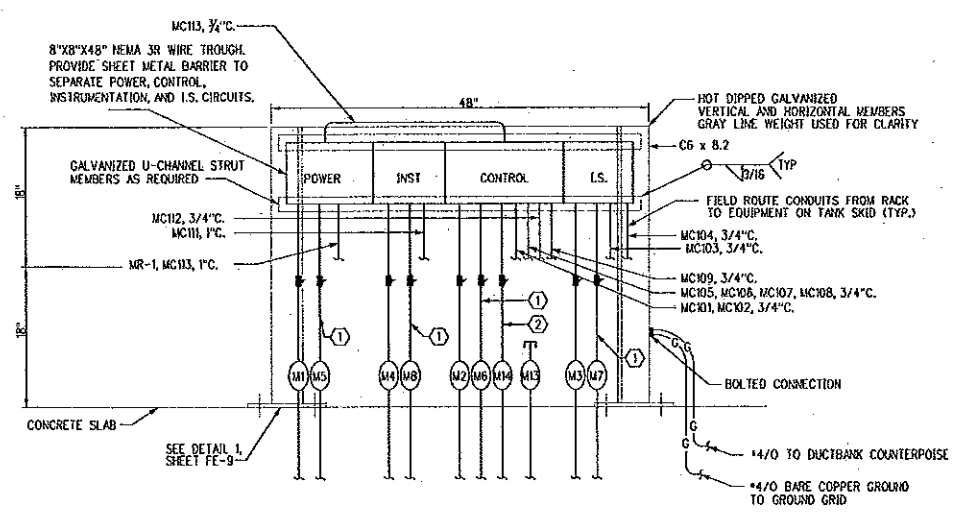


**ENLARGED PLAN - MERCURY TANK ARRANGEMENT**  
 (TYPICAL CHERRY, ADDISON EXPRESS, MILLIONAIR, STERN)  
 NOT TO SCALE

- NOTES:**
1. FIELD ROUTE CONDUITS FROM EQUIPMENT ON TANK AND TANK SKID TO TANK RACK SUPPORT CONDUIT EVERY 30" (MINIMUM, MAXIMUM CONDUIT SIZE 3/4").
  2. PROVIDE CONDUIT SEALS WITHIN 18" OF EACH DEVICE.
  3. INTRINSICALLY SAFE CIRCUITS SHALL REMAIN SEPARATE FROM OTHER POWER AND CONTROL CIRCUITS.
  4. SEE TABLE OF CORRESPONDING CONDUITS, CIRCUITS AND DEVICES, THIS SHEET.



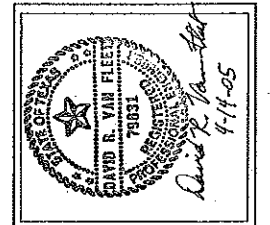
**DETAIL 1 - RACK - MI**  
 RACK - M2 AND RACK - M3  
 (TYPICAL EACH FBD)  
 NOT TO SCALE

- KEYED NOTES:**
- ① THIS CONDUIT IS NOT REQUIRED AT TANK RACK 3. (TANK RACK 3 SIMILAR TO CHERRY TANK RACK 2)
  - ② THIS CONDUIT IS LOCATED ONLY AT TANK RACK 3. (TANK RACK 3 SIMILAR TO CHERRY TANK RACK 2)

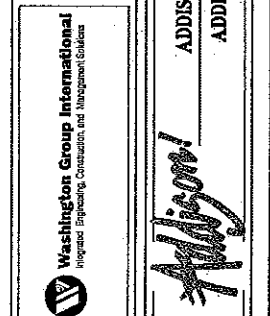
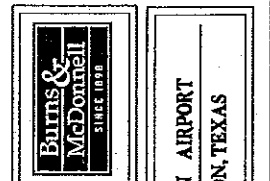
**TABLE OF CORRESPONDING CONDUITS, CIRCUITS AND DEVICES**

CONDUIT	MERCURY		
	RACK-M1	RACK-M2	RACK-M3
	M1	M5	M9
	M2	M6	M10
	M3	M7	M11
	M4	M8	M12
	M5	M9	
	M6	M10	
	M7	M11	
	M8	M12	
	M13		
			M14
PUMP	MFP-1 (MR1, MC113)	MFP-2 (MR2, MC213)	MFP-3 (MR3, MC313)
ATG	LT-M1 (MC103)	LT-M2 (MC203)	LT-M3 (MC303)
LEAK DETECTION	LD-M1 (MC104)	LD-M2 (MC204)	LD-M3 (MC304)
LEVEL SWITCH - TANK	LSH-M1 (MC101), LSL-M1 (MC102)	LSH-M2 (MC201), LSL-M2 (MC202)	LSH-M3 (MC301), LSL-M3 (MC302)
FLOW SWITCH	FS-M1 (MC-115)	FS-M2 (MC-215)	FS-M3 (MC-315)
LIMIT SWITCHES	ZS-M1A (MC105), ZS-M1B (MC106), ZS-M1C (MC107), ZS-M1D (MC108)	ZS-M2A (MC205), ZS-M2B (MC206), ZS-M2C (MC207), ZS-M2D (MC208)	ZS-M3A (MC305), ZS-M3B (MC306), ZS-M3C (MC307), ZS-M3D (MC308)
FILTER / SEPARATOR MOISTURE SWITCH / DIFF-PRESS SWITCH	MS-M1 (MC109), DPS-M1 (MC110)	MS-M2 (MC209), DPS-M2 (MC210)	MS-M3 (MC309), DPS-M3 (MC310)
FLOW METER TRANSMITTER	FT-M1 (MC111)	FT-M2 (MC211)	FT-M3 (MC311)
AIR BLOCKS WATER SLUG FLOW CONTROL VALVE SOLENOID	FY-WF (MC112)	FY-W2F (MC212)	FY-W3F (MC312)
LEVEL SWITCH - SUMP SEP.		LSH-M4 (MC401)	
START / STOP		HS-M1 (MC403), HS-M2 (MC404), HS-M3 (MC405) HS-M1 (MC406), HS-M2 (MC407), HS-M3 (MC408)	
KEYED SWITCH		KS-M1 (MC409), KS-M2 (MC410), KS-M2 (MC410)	
LOADING CONTROL VALVE	FY-M1 (MC119, MC120)	FY-M2 (MC219, MC220)	FY-M3 (MC319, MC320)
METER PRESET	MP-M1 (MC121, LPP1-16)	MP-M2 (MC221, LPP1-16)	MP-M3 (MC321, LPP1-16)
AIR ELIMINATOR	AE-M1 (MC122)	AE-M2 (MC222)	AE-M3 (MC322)

- DEVICE ID (CIRCUIT NO)  
 - RACK 3 IS NOT NECESSARY FOR CHERRY  
 - DENOTES CHERRY/STERN/EXPRESS/ADDISON ARE SIMILAR FOR EACH FBD BY THE FOLLOWING LETTER  
 - RACK 3 IS NOT NECESSARY FOR CHERRY/STERN/EXPRESS/ADDISON  
 - CONDUIT, DEVICE AND CIRCUIT ID SCHEMATIC FOR EACH FBD BY THE FOLLOWING LETTER
- M = ADDISON EXPRESS  
 C = MILLIONAIR  
 X = ADDISON EXPRESS  
 L = MILLIONAIR  
 S = STERN



ISSUED FOR BID	STAGE OF PLANS	DATE	DESCRIPTION	APP.
ADD - FUEL	27514-000000020	08/13/05	ADDED WIRING FOR AIR ELIMINATOR	
		03/23/05	REVISIONS PER ADDENDUMS AND VE	



**BULK FUEL STORAGE AND DISPENSING SYSTEM**

**ENLARGED AREA PLAN**

DESIGNER: B.E.H. PROJ. LEAD: J.H.B. APPROVED: M.S.  
 CAD TECH: D.M.B. CHECKED: D.R.V.

DATE: OCTOBER 25, 2004  
 SHEET 20 OF 33