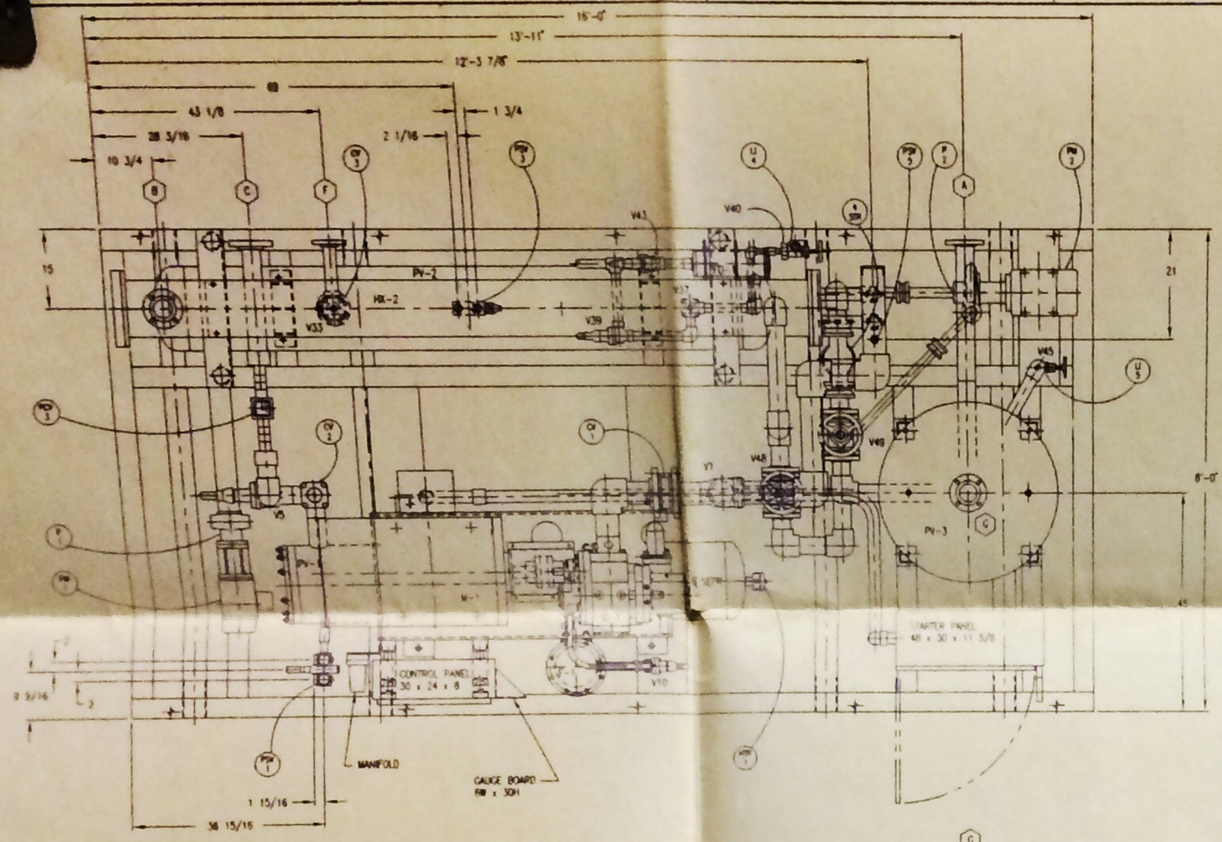
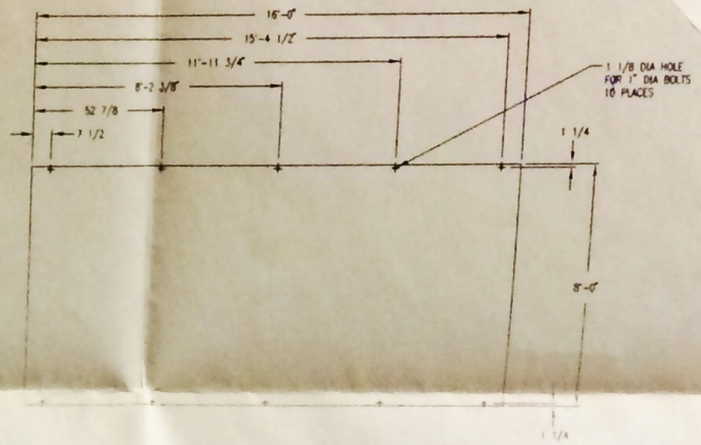
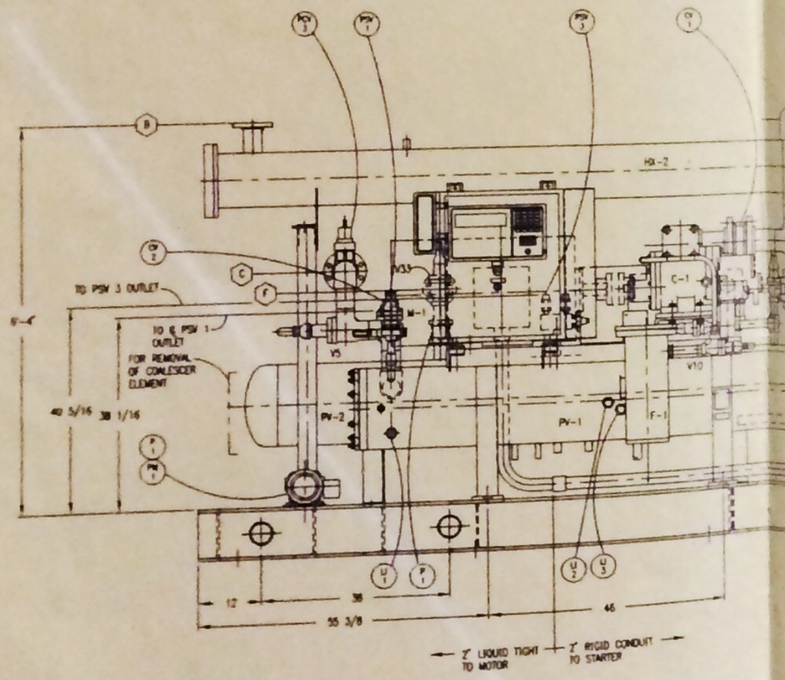
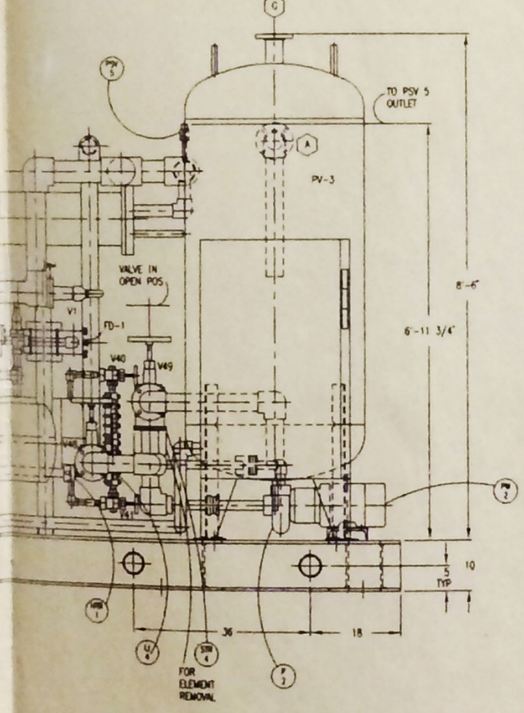
ZONE	REV	ECN		DATE	BY	APP'D
	A		CORRECTED PIPING ADDED V 48 AND ASSOCIATED PIPING	03/30/94	HMS	
B4	B		NOTE 1 - ADDED 6490J813 INFORMATION	04/20/94	HMS	
---			ADDED 2" CONDUIT RUN FROM STARTER TO MOTOR			
C,D2	C		REVISED V44, 45 AND FLANGES	07/28/94	HMS	

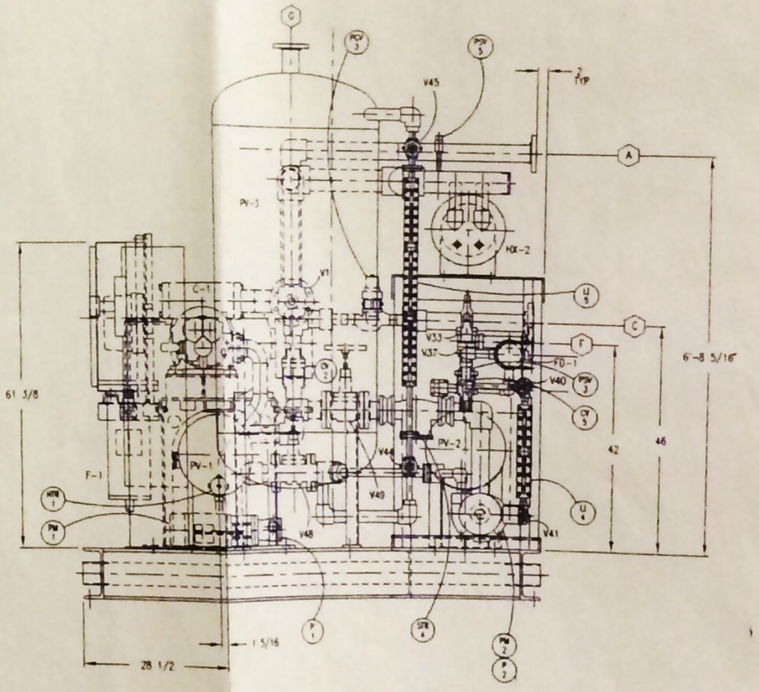




MOUNTING HOLE LOCATION
SCALE - 1/4







EQUIPMENT LEGEND

COMPRESSOR: FRICK RXB-50 FOR R-22, -30 F (19.6 PSIA)/ 114 F (186.1 PSIA) SUCTION/DISCHARGE PRESSURE, COMPRESSES 114 LBS/MIN R-22, REQUIRING 85.4 BHP AT 3550 RPM AND 91.4% LOADED, 20 TR

COMPRESSOR MOTOR: SIEMENS, 125 HP, 3600 RPM, TEFC, STANDARD EFFICIENCY, 1.15 S.F., 460V-3-60, 405TS FRAME, MODEL #GZ

DX-EVAPORATOR: 16" X 11' NTL CHIL-CON, WITH 120 TUBES 5/8" OD X 0.035 (MIN.) WALL, ENHANCED COPPER ARRANGED IN 2 PASSES, 150 PSIG/ 250 PSIG SHELL/TUBESIDE, TOTAL FOULING OF 0.0015, ASME, DUTY - TO COOL 60 GPM OF 60% BY WT. ETHYLENE GLYCOL FROM -6.1 F TO -20 F, USING R-22 EVAPORATING AT -30 F, CHILLER IS DUAL CIRCUIT

PV-3	BRINE EXPANSION TANK, 36" OD x 7' OAH, 350 GALLON CAPACITY, 150 PSIG DWP
F/D-1	HENRY FILTER DRIER, MODEL V8096-1-1/4SW.
F-1	FRICK OIL FILTER, ONE ELEMENT, 350 PSIG DWP, ASME
P/PM-1	OIL PUMP, CYCLING, 23 GPM, 1 1/2 HP, 1800 RPM, 460V-VIKING MODEL HV-2954. MOTOR, 1 1/2 HP, 1750 RPM, 460V-3-60, 1.15 S.F., TEFC, CONTINUOUS DUTY, C-FACE, 145TC FRAME.
P/PM-2	BRINE PUMP, CORNELL MODEL 1-1/4P-5-2, 1-1/2 NPT SUCTION, 1-1/4 NPT DISCHARGE, END SUCTION CENTRIFUGAL PUMP, CLOSE COUPLED TO A 5 HP TEFC MOTOR, 3600 RPM, 460V/3/60HZ, STANDARD EFFICIENCY, 60 GPM @ 125' HD

CONN	SIZE	
A	1-150#	FLGD ANSI
B	1-150#	FLGD ANSI
C	3-300#	FLGD ANSI
F	2-300#	FLGD ANSI
G	1-150#	FLGD ANSI

CONNECTION LEGEND

	DESCRIPTION	QTY
	ETHYLENE GLYCOL INLET PV-3	1
	ETHYLENE GLYCOL OUTLET HX-2	1
	R-22 DISCHARGE GAS OUTLET PV-1	1
	R-22 LIQUID INLET PV-2	1
	ETHYLENE GLYCOL FILL PV-3	1

NOTES:
1. REFERENCE DRAWINGS:
   P & I DIAGRAM - 659E0641
   ELECTRICAL SYSTEM INTERLOCK WIRING - 6490J813
   CONTROL PANEL & WIRING DIAGRAM - 6490J814
2. PRESSURE SAFETY VALVE (PSV) DIMENSIONS ARE APPROXIMATE AND FOR REFERENCE ONLY
3. ESTIMATED WEIGHTS
   SHIPPING WEIGHT - 15,500 LBS
   OPERATING WEIGHT - 17,200 LBS
4. STEEL BASE TO BE BOLTED DOWN TO CONCRETE SUB-STRUCTURE WITH ANCHOR BOLTS AT LOCATIONS SHOWN ON THIS DRAWING. SUB-STRUCTURE MUST BE LEVEL, AND IT MUST BE GROUTED TO ASSURE CONTINUOUS CONTACT WITH ALL ACCESSIBLE FULL DEPTH MEMBERS. IT IS RECOMMENDED THAT THE STEEL BASE BE FILLED WITH CONCRETE TO TOP OF BASE IN ALL POCKETS THAT ARE ACCESSIBLE AND FREE OF PIPING.

ANCHOR BOLTS SHOULD BE POSITIONED IN FERRULES FABRICATED FROM 2" PIPE (OR EQUIVALENT) THE FERRULE SHOULD BE FLUSH WITH THE SURFACE OF THE ROUGH LEVEL. SOFT WADDING (OR EQUIVALENT) SHOULD BE USED TO CENTER THE BOLT IN THE FERRULE DURING PLACEMENT OF THE PACKAGE UNIT. THIS PROVIDES SOME FLEXIBILITY TO ALLOW FOR FINAL POSITION HAS BEEN OBTAINED. THE GROUT SHOULD FLOW INTO THE FERRULES AND FILL SAME

XYTEL CORPORATION JOB NO. J324-93482
XYTEL CORPORATION TAG NO. CH-12000

AREA CLASSIFICATION - OUTDOOR, CLASS 1, GROUP C & D, DIV 1

ITEM MASTER NO: 569E1282G01

PURCHASER: XYTEL CORPORATION MOUNT PROSPECT, IL	NOTICE TO PURCHASER REFER TO CONTRACT FOR MATERIAL TO BE SUPPLIED BY FRICK COMPANY. THE AMOUNT OF SUCH MATERIAL IS NOT INCREASED BY ANYTHING SHOWN UPON THIS DRAWING.
PURCH ORDER NO 29.3609	PURCH ORDER NO 33244
Frick YORK INTERNATIONAL	FRICK COMPANY Waynesboro, PA 17268
GENERAL ARRANGEMENT ETHYLENE GLYCOL DX-CHILLER PACKAGE USING R-22 RXB-50	
BY HARLEY K. SMITH	DATE 03/06/94