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FAX COVER SHEET

DATE: August 16, 2001

TO: Hanover

ATTN: Guy Johnson

FAX#: 563-5746

FROM: Ronn Madrid

REPLY: YES ☒ NO ☐

PAGES: 1 FOLLOWING COVER SHEET

NOTES: Guy, here is the list of the equipment I need, these are minimums, so if you have something close..., thanks.

P.S. I need whatever you can get to me by 8/20/01 5:00 pm

Ronn Madrid

Equipment List

Equip. No.	Name	Size	Comment	DP psig	Design Opp. Press.	Design Opp. Temp	Material
16-1	Instrument air comp.	30 hp	120 SCFM		125		
* 16-3	Propane compressor	3000 hp	41 MMSCFD		40/350		
24-1	Product cooler	1.6 MMBtu/hr	2 fan arial cooler		660		
* 24-3	Refrigeration gas cooler	24 MMBtu/hr	4 bay arial cooler		350		
25-1	Instrument air dryer		120 SCFM		100	110	
36-1	Hot oil heater	18 MMBtu/hr			50		
41-10	Gas-gas exchanger	4.4 MMBtu/hr			685		
* 41-13	O'head condenser	15.7 MMBtu/hr			685		
41-17	Reboiler	48" ID x 6'-0" S/S	Duty: 14 MMBtu/hr		660	310	
67-10	Reflux pump	465 gpm		$\Delta p = 25$ psi			
67-12	Hot oil circ. pump	1000 gpm		$\Delta p = 50$ psi			
67-16	Truck loading pump	135 gpm		$\Delta p = 25$ psi			
95-17	Overhead receiver	48" ID x 6'-0" S/S			660	150	
* 95-21	Propane surge drum	60"ID x 15'-0" S/S	horizontal		335	150	
* 95-24	Refrig economizer	60"ID x 30'0" S/S	vertical		155	91	
* 95-25	Refrig suction scrubber	60"ID x 30'0" S/S	vertical		40	19	
95-27a/b/c/d	Propane bullet		30,000 gal bullet		200	120	
* 95-29	Propane storage	95-1/4" ID x 21'-10-3/8" S/S	10,000 gal, horizontal		200	120	
95-37	Wet air receiver	36"ID x 8'-0" S/S			153	150	
95-41	Dry air receiver	36"ID x 8'-0" S/S			153	150	
95-114	NGL stabilizer	66" ID x 80'-0" S/S	20 tray		685	310	
95-119	Inlet gas scrubber	96" x 28'-0" S/S			685	104	
95-34	Sump	48" OD x 6'-0" S/S	480 gal				
67-14	Sump pump	30 gpm		$\Delta p = 30$ psi			
	Amine plant	30 gpm	60" ID x 30'-0" S/S		200		

* These comprise the propane refrigeration plant