



SUPERIOR FABRICATION, INC.

801 S. Eastern, Elk City, OK 73644

Ph. (580) 243-5693

Fx. (580) 243-5507

E-Mail superiorfab@superiorfab.com

GAS SWEETENING SPECIFICATION SHEET

Company name _____

Project location _____ Date required _____

Contact name _____

Phone _____ Fax. _____ E-mail _____

Conditions : Inlet Outlet

Gas flow rate _____ MMSCFD _____ MMSCFD

Pressure _____ PSIG _____ PSIG

Temperature _____ °F _____ °F

Hydrogen Sulfide (H₂S) _____ ppm _____ ppm

Carbon Dioxide (CO₂) _____ MOL % _____ MOL %

Mercaptans, COS, CS₂ _____ GR/100 ft³ _____ GR/100 ft³

Specific Gravity (Air=1.0) _____ (Attach gas analysis if available)

Water Vapor _____ lbs/MMCF _____ lbs/MMCF

(If Dehydration is required after treating, check here and complete Dehydrator Spec. Sheet) _____ Y/N

(Note: If a range is given in any of these conditions, the worst case will be used for sizing and pricing)

Desired Sweetening Process (Agent) :

Sulfatreat _____ MEA _____ DEA _____ Liquid Chemical (Brand) _____

Desired Bed life for Sulfatreat / Liquid Chemical _____ days (Sizing will be performed by Agent Manufacturer)

Maximum Solution for MEA / DEA _____ %

Utilities available (Answer only as applicable to desired Process)

Electrical Power _____ Volts _____ Phase _____ Hz

Instrument Air _____ Psig (or sweet instrument gas)

Fuel Gas _____ Psig _____ BTU/SCF

Cooling Water _____ Psig _____ GPM _____ °F IN _____ °F OUT

Steam _____ Psig _____ Quality

Other Heat Medium (Give properties etc.) _____

Specific Design Requirements and Options (Answer only as applicable to desired Process) :

Contactor & Pump MAWP (design) _____ Psig _____ °F _____ in. Corr. Allow.

Regenerator (design) _____ Psig _____ °F _____ in. Corr. Allow.

Motors for Pumps, Fans etc. _____ XP _____ TEFC _____ Drip-Proof

Electrical Gear (NEMA Class) _____ 7 _____ 4 _____ 1

Reboiler Heat Medium _____ Direct Fired _____ Steam

Optional Equipment (Answer only as applicable to desired Process) :

Inlet Scrubber _____ Y/N MAWP (design) _____ Psig _____ °F _____ in. CA

Residue Scrubber _____ Y/N MAWP (design) _____ Psig _____ °F _____ in. CA

Motor Starters _____ Y/N Standby Pumps _____ Y/N

Sulfur Recovery _____ Y/N (If Yes, you will be contacted for more information)

Other (List any special requirements and/or preferred brand of controls) : _____