POLYGLYCOL
316 Stainless Steel System
175 psig at 300° F.

Pipe		
1/2" and 3/4"	P-35A	ASTM A-312, TP-316 seamless stainless steel pipe. Schedule 40S.
1" thru 4"	P-34A	ASTM A-312, TP-316 seamless stainless steel pipe. Schedule 10S.
Flanges	F-1	150# forged steel slip-on flange, ASA B16.5 (For use with type "C" stub ends.)
	F-60	Forged stainless steel blind flange ASTM A-182 Grade F-304. Dimension and drilling to 150# ASA Std. raised face.
Stub Ends		
1" thru 4"		Type "C" stub end, (flared nipple) type 316 stainless steel, Schedule 10S, MSS length.
Fittings		
1/2" and 3/4"	ELTR-60	150# type 316 stainless steel screwed fittings.
	Couplings	150# type 316 stainless steel.
	Plugs	150# type 316 stainless steel, hex. head.
	Unions	150# type 316 stainless steel.
		Elbows and tees to be made from forgings. Couplings, reducers, and hex. head plugs to be made from bar stock. All screwed fittings to be 150# Ladish or equal.
1" thru 4"	ELR-62A	Schedule 10S type 316 stainless steel welding fittings. Elbows to be long radius.
	EL-29	Five dia. bends, fabricated from pipe as specified.
Branch Connections		
1" thru 4"	T-18	Branch lines shall be welded into main lines and headers. Welding tees are permitted at contractor's option.
1/2" and 3/4"		For threaded branch lines, and connections for gauges, drains, vents, etc., forged type 316 stainless steel "Thredolets" or 3000# type 316 stainless steel full couplings shall be welded into main lines or headers.

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PLAINTIFF'S EXHIBIT
DOW-2395

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Gaskets	G-4A	Standard cut ring 1/8" thick asbestos gaskets, Garlock 900.
Pipe Joint Compound	D-15	Teflon tape 1/2" x 3 mil thickness, Scotch brand 547.
Flange Bolts	B-1	ASTM A-307 grade B steel, galvanized, bolts with heavy hex. nuts.
Bolt Lubricant	BL-1	"Bestolife" Lead Seal No. 270 or "Leadplate" No. 250.
Valves - Gate		
1/2" and 3/4"	V-506	150# S.E. Type 316 stainless steel, O.S. & Y., teflon packing. Aloyco 110, Crane 18844, Pacific 8551, Hasco 8270.
1" thru 4"	V-305	150# F.E. type 316 stainless steel, O.S. & Y., teflon packing. Aloyco 111, Crane 18845, Pacific 8550, Hasco 8372.
Valves - Ball		
1/2" and 3/4"	V-633	Screwed, type 316 stainless steel ball valve. Teflon seats and seals. Jamesbury D-36-TT, Pacific 225.
1" thru 4"	V-634	150# F.E. type 316 stainless steel ball valve. Teflon seats and seals. Jamesbury D-150F 36TT, Pacific 400.

Note:

1. Piping to be installed in accordance with American Standard Code for Pressure Piping, ASA B31.3.

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