

16. Structural skids+

17. Buildings+

- * Size for 564 e3m3/d
- + Size for 1127 e3m3/d

2. SALT BATH HEATER:

-One (1) 72" OD x 20'-0" S/S

-(2) Non-Removable 20" OD x 20'-0" long (one way) firetube 5.75 MMBTUH total net duty

-Internals seal welded one side only where required for process, stitch welded otherwise

-Coil, See Below.

-Note: Fire tube liner is not included in quotation.

NOZZLES:

N1	Regeneration Gas Outlet	3" 1500# RTJ
N2	Regeneration Gas Inlet	3" 1500# RTJ
N3	Drain	2" 150# RF
C1	TI	1" 3000# NPT
C2	TSH	1" 3000# NPT
C3	TC	1" 3000# NPT
F1	Fill hatch	18" obround opening

MATERIALS/SPECIFICATIONS

Shell:	SA-516-70 / SA36
Heads:	SA-516-70 / SA36
Skirt/Saddle:	SA-516-70 / SA-36
Externals:	SA-516-70 / SA-36
Internals	SA-516-70-1/4"
Flanges:	SA-105N
Couplings/T.O.L's	SA-105N
Gaskets:	316 SS
Bolting:	SA-193-B7M, SA-194-2HM
C.A.:	1/8"
Registration:	None
Radiography:	None

PWHT:	None
Hydrotesting:	Fill and leak test
UT:	none
MPI:	none
Hardness:	none
Select Chemistry:	none

3. SALT BATH HEATER COIL:

- Twenty (20) Passes of 3" pipe x 14,200 kPa @ 315/-29 °C
- 20'-0" long
- Short radius return bends
- Non-Removable

900# ANSI:

Pipe:	SA-106B	(2" SCH 160)
Fittings:	SA-234-WPB	
Flanges:	SA-105N RF	
TOL'S:	SA-105N	(3000#)
Gaskets:	316 SS Flexitallic	
Bolting:	SA-193-B7M, SA-194-2HM	
C.A.:	3.2 mm (internal only)	
Radiography:	100% (Severe)	
PWHT:	Yes	
Hydrotesting:	1.5 times design pressure	
UT:	none	
MPI:	Yes, All welded joints	
Hardness:	Yes, Max 200 HB Brinell	
Select Chemistry	NACE MR-75-01	

4. BUILDING HEATERS:

- Two (2) 25 kW Ruffneck building heaters, Model # FX420-480360-25.
- Heater sizing may changed based on detailed design.