



NOZZLE SCHEDULE & ACCESORIES					
MARK	SIZE	RATING	SERVICE	LOCATION	DOWN COMER
N1	2"	CLASS 150 PVC FLANGE	SPARE (UNDESIGNATED)	ROOF	YES
N2	2"	CLASS 150 PVC FLANGE	PERCHED WATER WELL INLET PUMP PWTP-Y31 DISCHARGE	ROOF	YES
N3	3"	CLASS 150 PVC FLANGE	EXTRACTION WELL YE31 INLET	ROOF	YES
N4	3"	CLASS 150 PVC FLANGE	EXTRACTION WELL YE27 INLET	ROOF	YES
N5	2"	CLASS 150 PVC FLANGE	OVERFLOW TANK RETURN	ROOF	YES
N6	4"	CLASS 150 PVC FLANGE	OVERFLOW	SHELL	NO
N7	2"	CLASS 150 PVC FLANGE	DRAIN (W/SIPHON)	SHELL	NO
N8	4"	FLANGED W/U-PIPE (BY VENDOR)	VENT - NO	ROOF	NO
N9	3"	CLASS 150 PVC FLANGE	SPARE (FUTURE 200-DV-1 EXT WELL)	ROOF	YES
N10	3"	CLASS 150 PVC FLANGE	SPARE (FUTURE 200-BP-5 EXT WELL)	ROOF	YES
N11	2"	CLASS 150 PVC FLANGE	CHEMICAL ADDITION INLET	ROOF	YES
N12	2"	CLASS 150 PVC FLANGE	LEVEL INDICATING TRANSMITTER (LIT)	SHELL	NO
N13	2"	CLASS 150 PVC FLANGE	LEVEL SWITCH LOW (LSL)	SHELL	NO
N14	2"	CLASS 150 PVC FLANGE	LEVEL SWITCH HIGH (LSH)	SHELL	NO
N15	2"	CLASS 150 PVC FLANGE	TEMPERATURE ELEMENT	SHELL	NO
N16	2"	CLASS 150 PVC FLANGE	ANNULUS LEAK DETECTION ELEMENT (LDE)	ROOF	NO
N17	4"	CLASS 150 PVC FLANGE	OUTLET	SHELL	NO
M1	24"	BOLTED COVER	MANWAY (BOLTED MANWAY COVER ASSEMBLY)	ROOF	NO

**NOTES:**

- THOSE NOZZLES MARKED (YES) SHALL BE PROVIDED WITH A DOWNCOMER (DROP PIPE) THAT EXTENDS TO WITHIN 3 FT. OF THE TANK BOTTOM. EACH DOWNCOMER SHALL ALSO HAVE A 3/4 INCH VENT (ANTI-SIPHON) HOLE DRILLED APPROX. 2 INCHES BELOW THE INSIDE TOP OF THE TANK.
- ALL DOWNCOMERS SHALL BE PROVIDED WITH A LATERAL SUPPORT.
- ALL SPARE NOZZLES SHALL BE PROVIDED WITH A GASKET (EPDM), BLIND FLANGE, AND ASSOC. STAINLESS STEEL NUTS, BOLTS, AND WASHERS.
- VENT NOZZLE (N8) SHALL BE PROVIDED WITH A U-PIPE VENT WITH STAINLESS STEEL SCREEN.
- FLANGE BOLT HOLES SHALL STRADDLE NATURAL CENTERLINES.
- RECOMMENDED TANK: POLY PROCESSING COMPANY, MODEL 2004400A.
- INCLUDE RESTRAINT SYSTEM, HEAT TRACE WITH CONTROLLER, AND INSULATION.

CALCULATED CAPACITIES/ VOLUMES IN US GALLONS			
TANK	DESIGN CAP	DOVE VOL	TOTAL VOL
INNER	4385	437	4822
OUTER	4994	N/A	4994

**(A) ELEVATION**  
SCALE: 3/4"=1'-0"

DWG NUMBER	TITLE	REF NUMBER	TITLE	DESCRIPTION
	DRAWING TRACEABILITY LIST		REFERENCES	
		NEXT USED ON		REVISIONS

BLDG NO. 200E	<b>CAUTION</b> NOT COMPLETE WITHOUT CURRENT CHANGE DOCUMENTS FROM DATABASE	<b>ATTENTION</b> DESTROY THIS DOCUMENT BY SHREDDING MAY CONTAIN SENSITIVE INFORMATION
NAME S. SCHNEFLOCH	DATE	COMPANY
U.S. DEPARTMENT OF ENERGY Richland Operations Office		
MECHANICAL 4400 GALLON ETT-Y32 TANK ASSY		
DESIGN AUTHORITY BL SASSER	SCALE SHOWN	SHEET 1 OF 1

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