



(A) ELEVATION
SCALE: 1-1/2"=1'-0"

NOZZLE SCHEDULE & ACCESSORIES					
MARK	SIZE	RATING	SERVICE	LOCATION	DOWN COMER
N1	4"	CLASS 150 PVC FLANGE	INLET	ROOF	YES
N2	2"	CLASS 150 PVC FLANGE	OUTLET (WITH SIPHON)	SHELL	NO
N3	2"	CLASS 150 PVC FLANGE	LEVEL	SHELL	NO
N4	4"	CLASS 150 PVC FLANGE	VENT	ROOF	NO
N5	2"	CLASS 150 PVC FLANGE	SPARE (UNDESIGNATED)	ROOF	YES
N6	2"	CLASS 150 PVC FLANGE	SPARE (UNDESIGNATED)	ROOF	YES
N7	2"	CLASS 150 PVC FLANGE	ANNULUS LEAK DETECTION ELEMENT (LDE)	ROOF	NO
M1	17"	THREADED COVER	MANWAY	ROOF	NO

NOTES:

- THOSE NOZZLES MARKED (YES) SHALL BE PROVIDED WITH A DOWNCOMER (DROP PIPE) THAT EXTENDS TO WITHIN 8 INCHES 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 (N4) 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 2000540A.
- INCLUDE RESTRAINT SYSTEM, HEAT TRACE WITH CONTROLLER, AND INSULATION.

CALCULATED CAPACITIES/ VOLUMES IN US GALLONS			
TANK	DESIGN CAP	DOMES VOL	TOTAL VOL
INNER	542	105	647
OUTER	659	N/A	659

BLDG. NO. 200E	CAUTION NOT COMPLETE WITHOUT CURRENT CHANGE DOCUMENTS FROM DATABASE	ATTENTION DESTROY THIS DOCUMENT BY SHREDDING MAY CONTAIN SENSITIVE INFORMATION
DESIGNED BY CA BIRCHER	DATE	COMPANY
U.S. DEPARTMENT OF ENERGY Richland Operations Office		
MECHANICAL 540 GALLON LDOT-Y32 TANK ASSY		
DESIGN AUTHORITY BL SASSER	SCALE SHOWN	SHEET REV 1 0

DWG NUMBER	TITLE	REF NUMBER	TITLE	REV	REV NO.	DESCRIPTION
DRAWING TRACEABILITY LIST		REFERENCES		REVISIONS		
		NEXT USED ON				

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