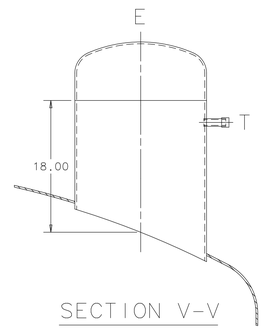
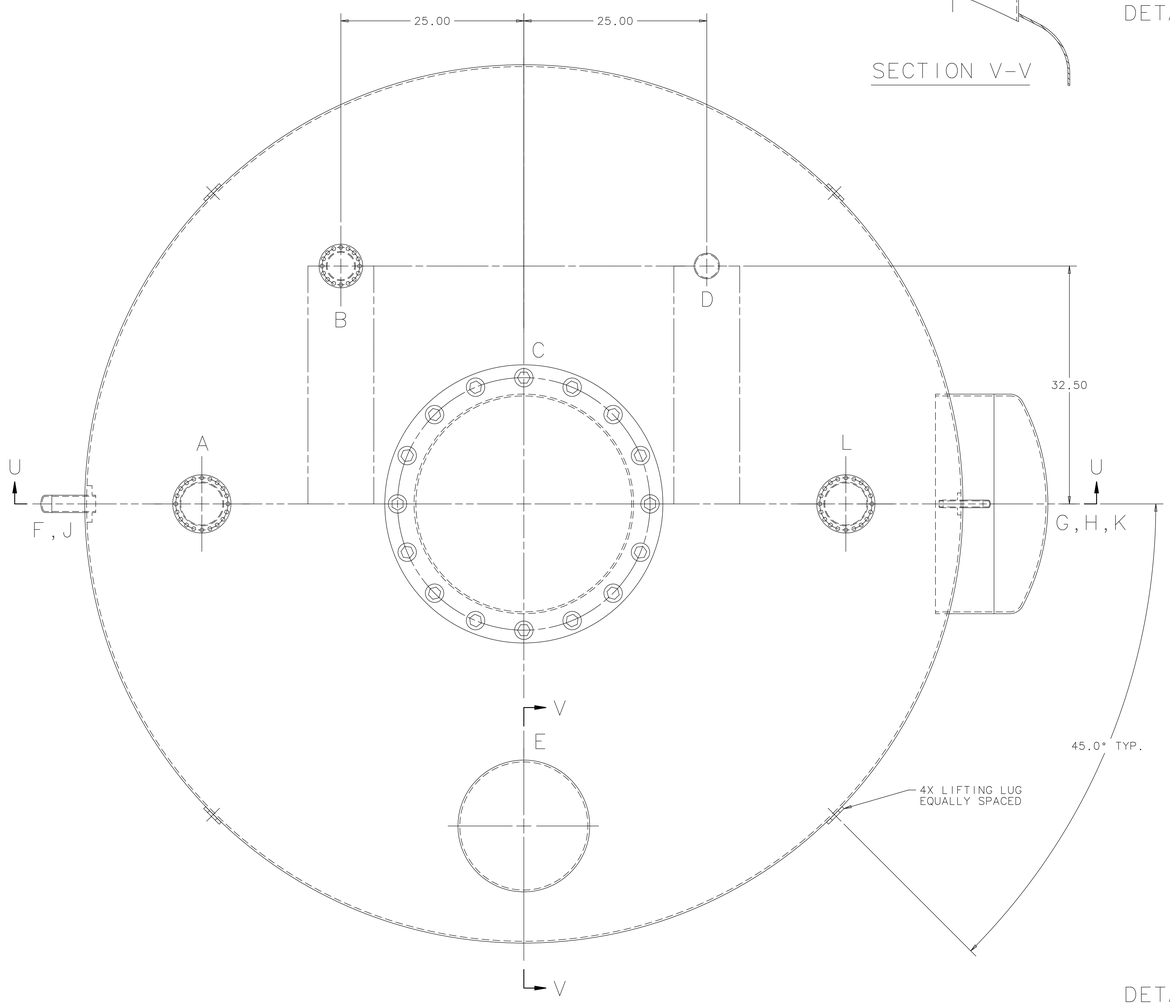
REV	DESCRIPTION	DRAWN	DATE
		APPROVED	DATE

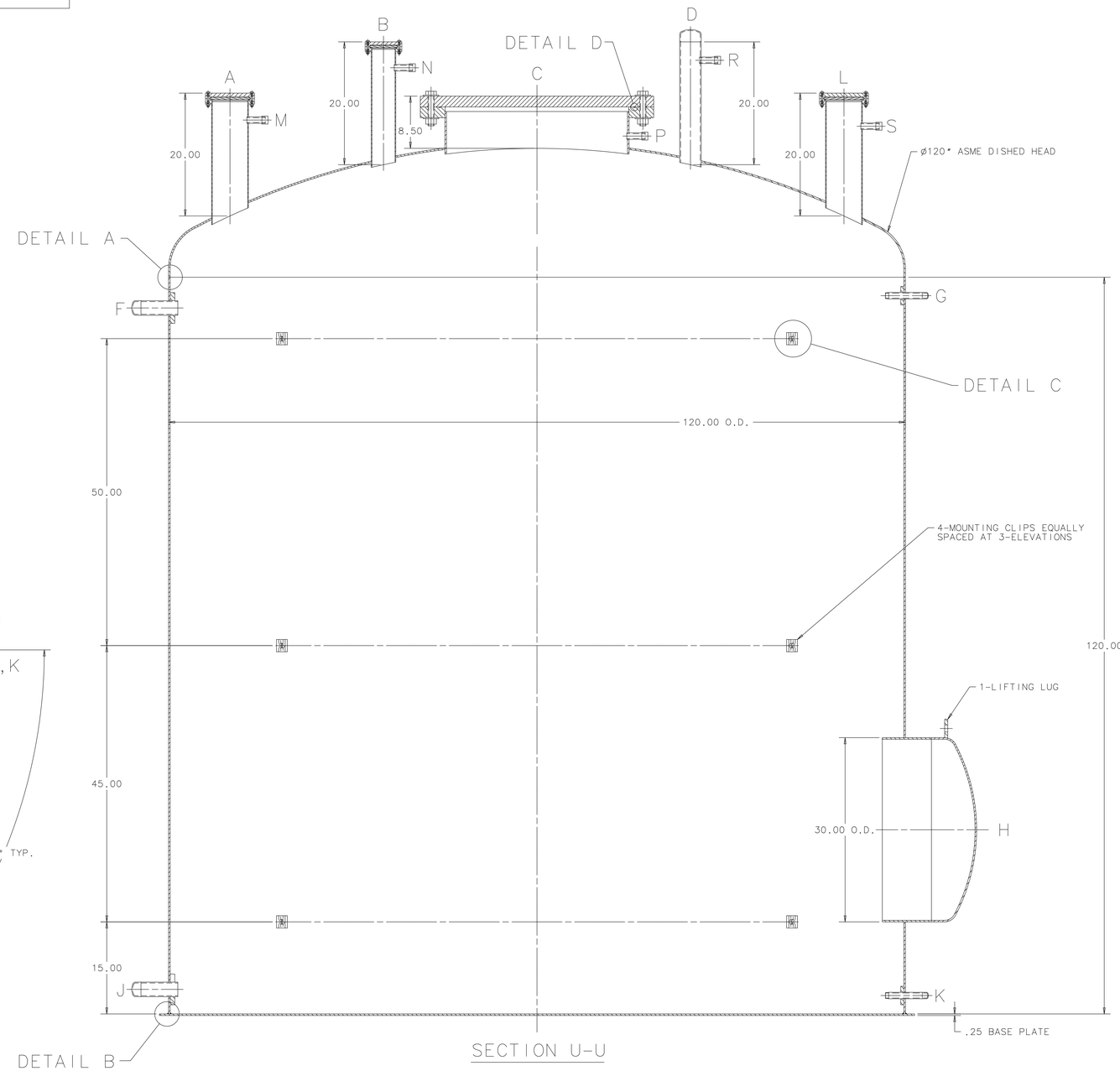
PENETRATION	FUNCTION	SIZE	TERMINATION
A	FEED-THRU PORT	6.000 O.D. TUBING	CONFLAT
B	RELIEF VALVE PORT	4.000 O.D. TUBING	CONFLAT
C	ACCESS PORT (MANHOLE)	30.00 O.D.	BOLTED FLANGE W/INDIUM SEAL. SEE DETAIL D.
D	VENT	3" SCH. 40 PIPE	PIPE CAP
E	HEAT EXCHANGER PORT	18.00 O.D.	PIPE CAP
F	PUMP RETURN	2" SCH. 40 PIPE	PIPE CAP
G	TANK PURGE	3/4" SCH. 40 PIPE	3/4-14 NPT (INTERNAL) PIPE CAP (EXTERNAL)
H	ACCESS PORT	30.00 O.D.	ASME DISHED HEAD
J	PUMP & DRAIN	2" SCH. 40 PIPE	PIPE CAP
K	PUMP & PURGE	3/4" SCH. 40 PIPE	3/4-14 NPT (INTERNAL) PIPE CAP (EXTERNAL)
L	FEED-THRU PORT	6.000 O.D. TUBING	CONFLAT

PENETRATION	FUNCTION	SIZE	TERMINATION
M	TANK PURGE	3/4" SCH. 40 PIPE	3/4-14 NPT (EXTERNAL) W/PIPE CAP
N	"	"	"
P	"	"	"
R	"	"	"
S	"	"	"
T	"	"	"

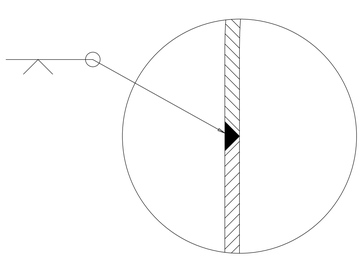


SECTION V-V



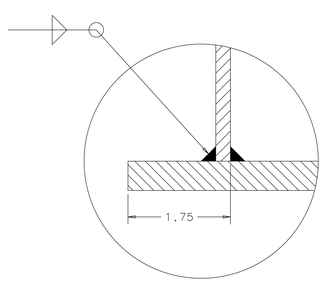


SECTION U-U



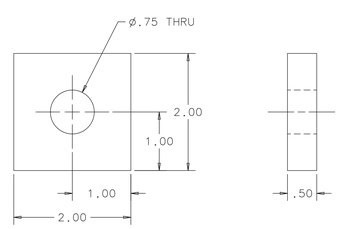
DETAIL A

SCALE: FULL



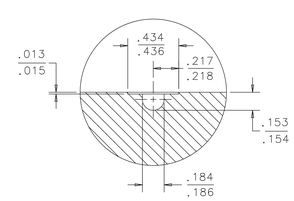
DETAIL B

SCALE: FULL



DETAIL C

SCALE: FULL



DETAIL D

SCALE: 2X

USE ø.1875 INDIUM WIRE

UNLESS OTHERWISE SPECIFIED	ORIGINATOR	R.L.SCHMITT	28-JUN-2007
.XX .XXX ANGLES	DRAWN	W.CYKO	28-JUN-2007
± .13 ± --- ± ---	CHECKED		
1. BREAK ALL SHARP EDGES .015 MAX. 2. DO NOT SCALE DRAWING. 3. DIMENSIONS BASED UPON ASME Y14.5M 1994 4. MAX. ALL MACH. SURFACES 250 5. DRAWING UNITS: INCHES	APPROVED		
	USED ON		
	MATERIAL		

FERMI NATIONAL ACCELERATOR LABORATORY
UNITED STATES DEPARTMENT OF ENERGY

MECHANICAL/ENG. DESIGN LAYOUTS
PURITY DEMONSTRATION VESSEL
GENERAL ARRANGEMENT

SCALE	DRAWING NUMBER	SHEET	REV
1:8 & AS NOTED	9219.350-ME-444715	1 OF 1	

CREATED WITH : Ideas12NXSeries GROUP: PPD/MECHANICAL DEPARTMENT

Created: 08:55:32 on 06-07-07 (D-M-Y) By: bcyko State: 1-INITIAL