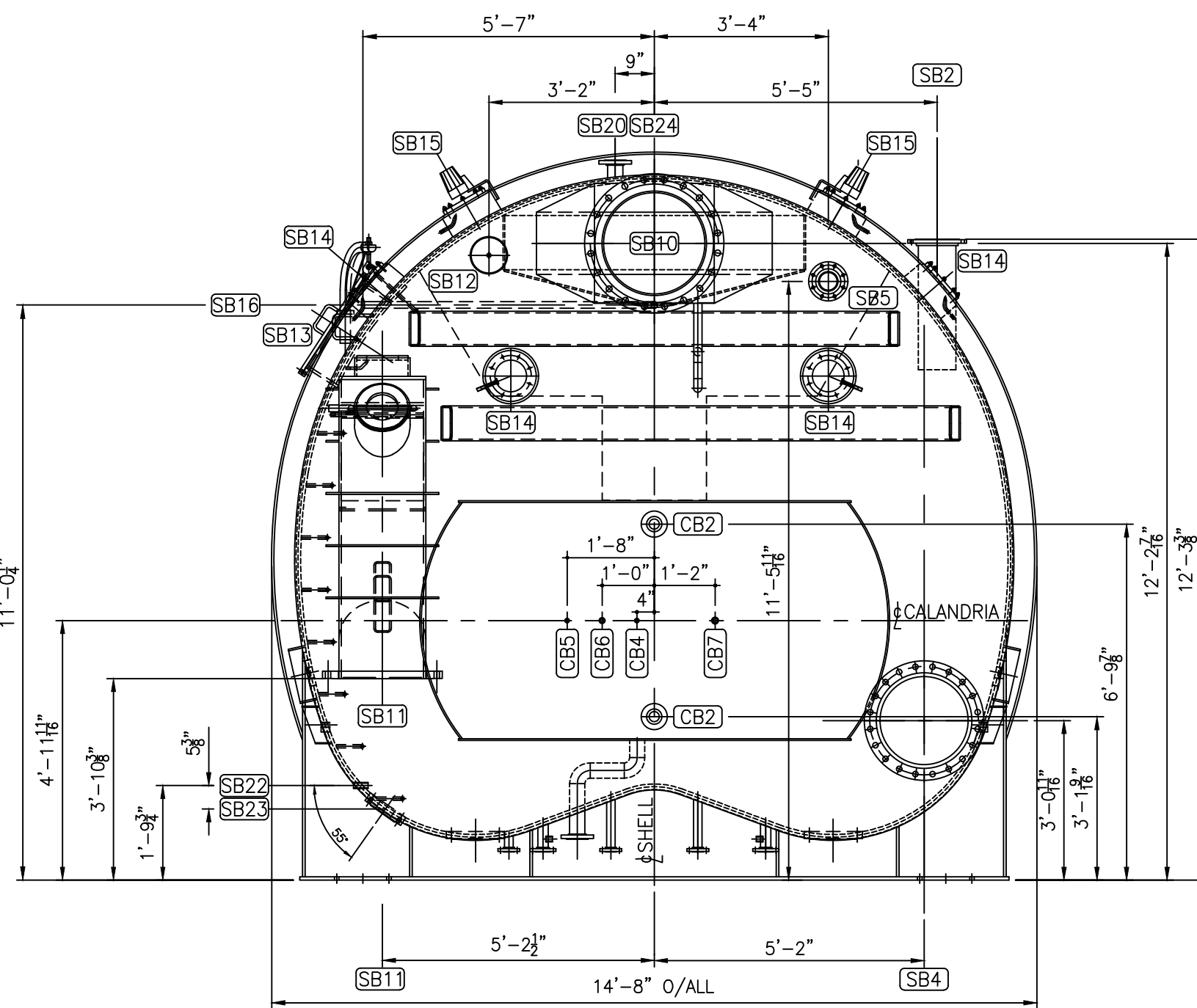
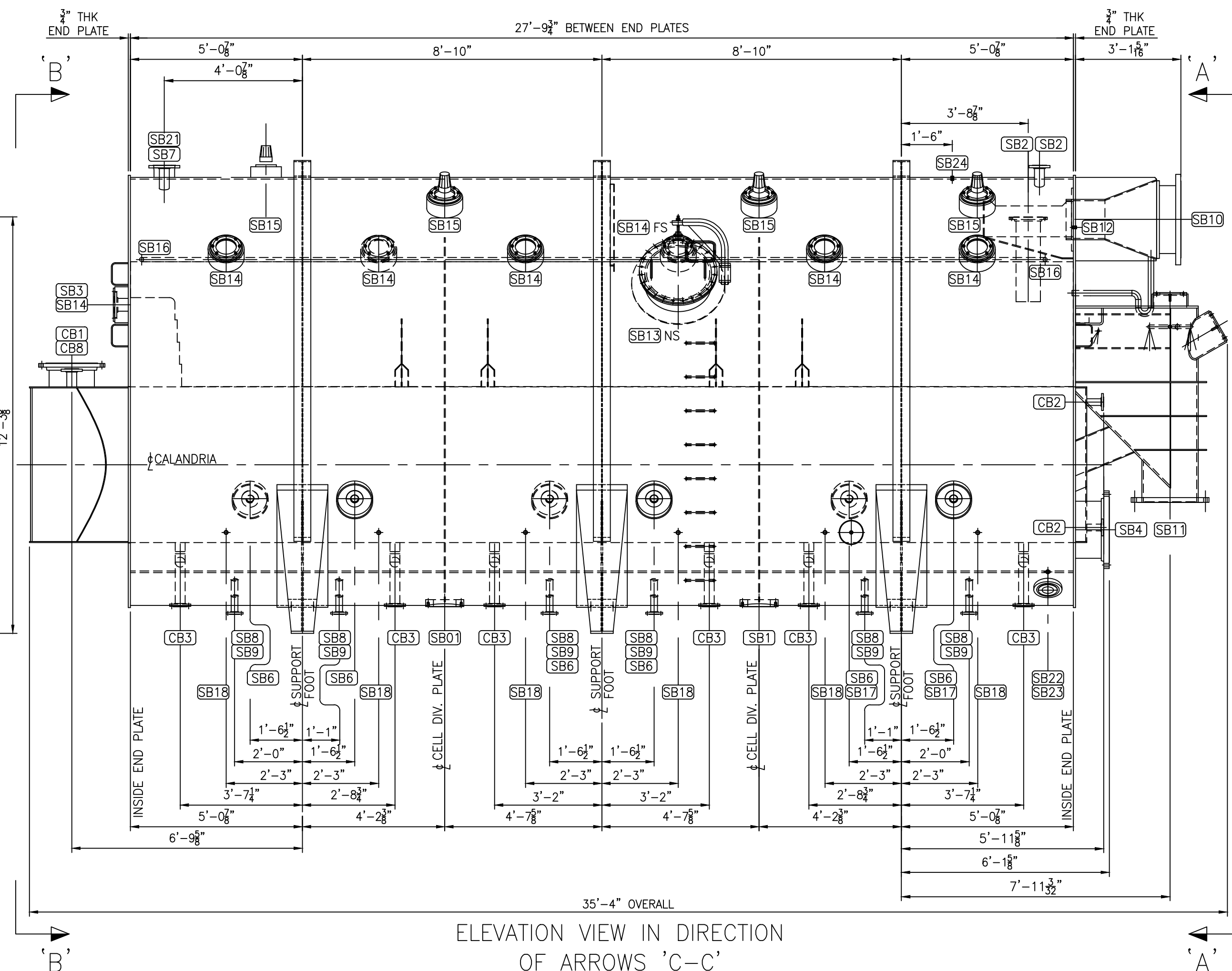
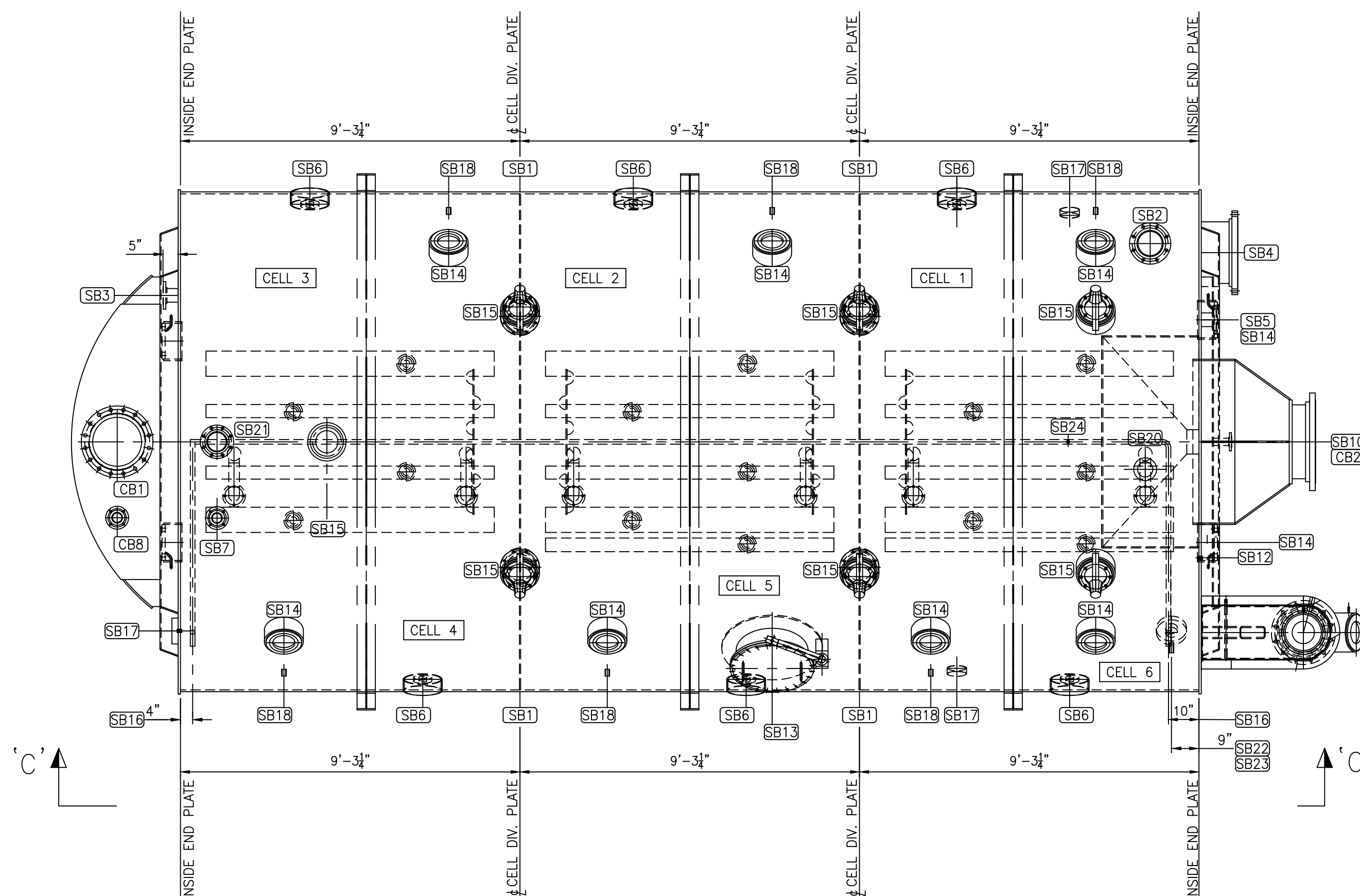




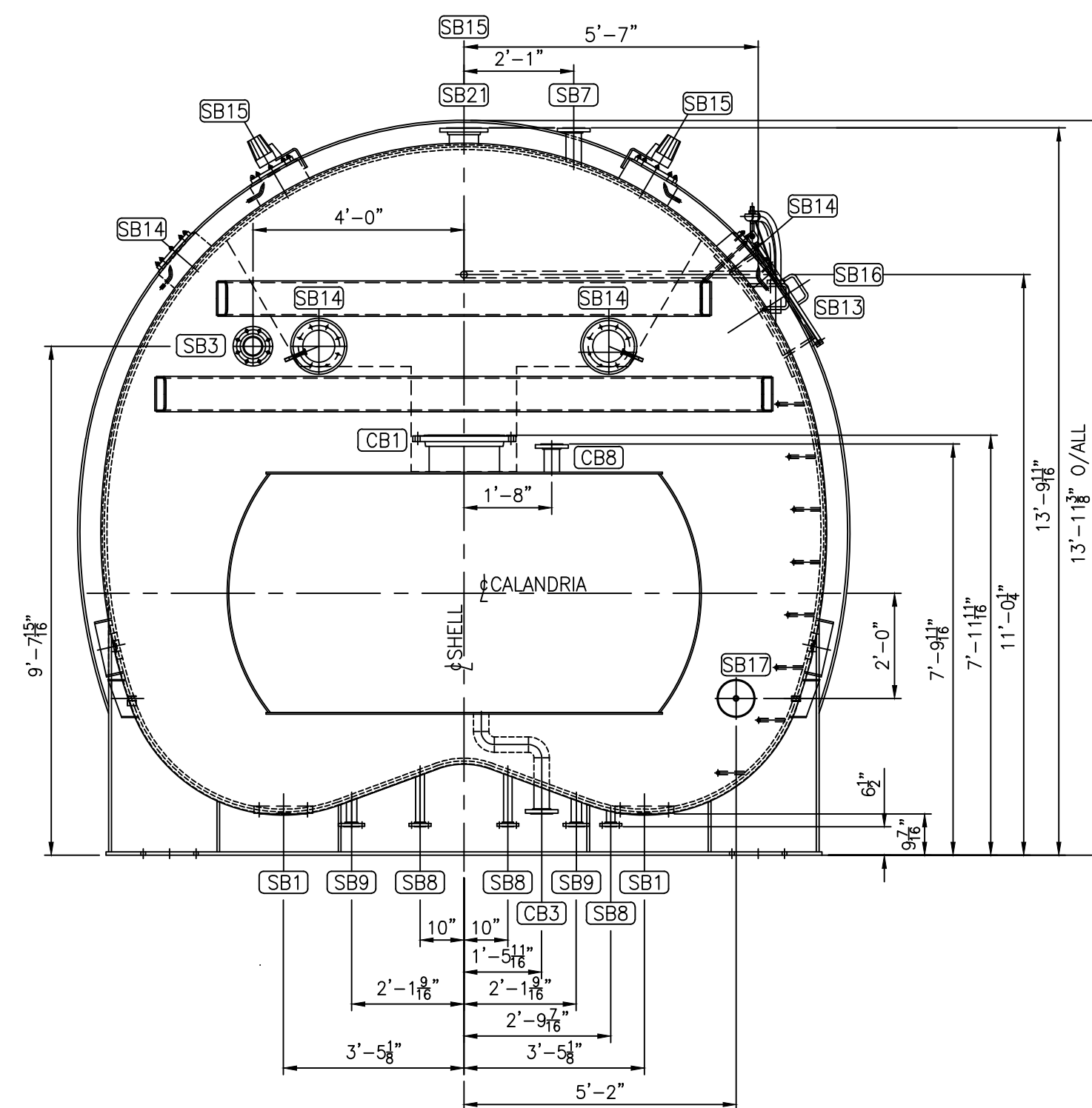
END VIEW
IN DIRECTION OF
ARROWS 'A-A'



ELEVATION VIEW IN DIRECTION
OF ARROWS 'C-C'



PLAN VIEW ON CVP



END VIEW
IN DIRECTION OF
ARROWS 'B-B'

REFERENCE DRAWINGS	
A055421	CVP1 SHELL DETAILS
A055419	CVP1 CELL DIVISION PLATES DETAILS
A055423	SHELL WELD DETAILS
A055424	SHELL BRANCHES DETAILS
A055425	SIGHT & LIGHT GLASSES ASSEMBLY
A055426	MANWAY DETAIL
A055427	MASSECUITE OUTLET BOX SUB ASSEMBLY
A055428	VAPOUR OUTLET BOX SUB ASSEMBLY
A055429	INTERNAL BAFFLE FOR VAPOUR OUTLET
A055441	FOOT DETAILS
A055431	SYRUP & JIGGER STEAM INTERNAL MANIFOLD DETAILS
A055433	SPRAY NOZZLE POSITIONING
A055411	CALANDRIA ARRANGEMENT CVP1

CALANDRIA BRANCH CONNECTIONS				
CB8	PRESSURE RELIEF CONNECTION	3"	1	A055413
CB7	CONDENSATE BALANCE	1" NPT	1	A055413
CB6	PRESSURE TRANS. CONNECTION	1 1/2" NPT	1	A055413
CB5	THERMOMETER CONNECTION	3/8" NPT	1	A055413
CB4	PRESSURE GAUGE CONNECTION	1" NPT	1	A055413
CB3	CONDENSATE OUTLET	3"	6	A055413
CB2	NOXIOUS GAS OUTLET	2"	2	A055413
CB1	STEAM INLET	16"	1	A055413

SHELL BRANCH CONNECTIONS			
SB24	LEVEL TRANS. BALANCE CONNECTION	$\frac{3}{8}$ " NPT	1 A055424
SB23	LEVEL TRANSMITTER SPRAY	$\frac{3}{8}$ " NPT	1 A055424
SB22	LEVEL TRANSMITTER FACING	$\frac{3}{8}$ " NPT	1 A055424
SB21	BURSTING DISC	6"	1 A055424
SB20	NOXIOUS GAS OUTLET	3"	1 A055424
SB19	NOT USED	—	—
SB18	SAMPLE POINT BOSS	1" NPT	6 A055424
SB17	THERMOMETER BOSS	$\frac{3}{8}$ " NPT	6 A055424
SB16	SPRAY BAR	1 $\frac{1}{2}$ "	1 A055433
SB15	LIGHT GLASS	—	7 A055425
SB14	SIGHT GLASS	—	11 A055425
SB13	MANWAY	24"	1 A055426
SB12	VACUUM GAUGE	$\frac{3}{8}$ " NPT	1 A055424
SB11	MASSECUTE OUTLET BOX	20"	1 A055427
SB10	VAPOUR OUTLET BOX	—	1 A055428
SB9	SYRUP INLET	2"	6 A055431
SB8	JIGGER STEAM	1 $\frac{1}{2}$ "	8 A055431
SB7	VACUUM BREAKER	3"	1 A055424
SB6	PROBE	2 $\frac{1}{2}$ "	6 A055424
SB5	COLD WATER	4"	1 A055424
SB4	MASSECUTE INLET	20"	1 A055424
SB3	STEAMING OUT	4"	1 A055424
SB2	SEED INLET	8"	1 A055424
SB1	CELL DRAIN	8"	4 A055424

ITEM NO.	DESCRIPTION	QTY	MATL./ORG.	REF
	FLETCHER SMITH LIMITED Norman House, Friar Gate, Derby, DE1 1NU, England.			
GENERAL ARRANGEMENT				
MODEL 11-6-4.1-50				
CONTINUOUS VACUUM PAN N°1				
SCALE:- 1:24		REVISION R1		

VESSEL DESIGN AND TEST DATA

VESSEL DESIGN STANDARD :- BS2790 1992 & ASME viii DIV 1

VESSEL MANUFACTURED TO :- ASME viii DIV 1 (Spot RT)

CALANDRIA

DESIGN PRESSURE INTERNAL (DIFFERENTIAL):- 32psi (2.2 bar)

DESIGN TEMPERATURE :- 253° F (116° C)

HYDRAULIC TEST PRESSURE :- 51psig (3.5 bar gauge)

SHELL

DESIGN PRESSURE (INTERNAL) :- FULL VACUUM

DESIGN TEMPERATURE :- 253° F (116° C)

1) TEST PRESSURE :- ATMOSPHERIC WATER FILL VESSEL
AFTER SITE INSTALLATION.

2) TEST PRESSURE :- VACUUM TEST AFTER SITE INSTALLATION.

LOADING DETAILS

DEAD WEIGHT OF EMPTY PAN - 44.2 SHORT TONS/39.46 TONNES
INCLUDING CALANDRIA AND TUBES

WORKING WEIGHT OF PAN - 130 SHORT TONS/116 TONNES
AT 50 cu.m

WORKING WEIGHT WITH 'LIVE-LOAD' - 195 SHORT TONS/175 TONNES
AT 50 cu.m WITH 'LIVE-LOAD'
FACTOR OF 1.5

TEST WEIGHT (FULL OF WATER) - 148 SHORT TONS/132 TONNES

NOTE:-

STRUCTURAL SUPPORT TO TAKE INTO ACCOUNT ANY ADDITIONAL
DYNAMIC LOADINGS DUE TO LOCAL SEISMIC AND WIND CONDITIONS.

THE ABOVE LOADS DO NOT INCLUDE ANY ADDITIONAL
LOADING FROM PIPEWORK, WALKWAYS ETC.

(NOTE - 1 SHORT TON = 2000 lbs)

ALL DIMENSIONS IN FEET AND INCHES UNLESS OTHERWISE STATED	GENERAL TOLERANCES UNLESS OTHERWISE STATED— OPEN DIMENSIONS $\pm \frac{1}{16}$ " ONE FIGURE DECIMALS ± 0.01 " TWO FIGURE DECIMALS ± 0.005 "	ALL SHARP EDGES AND CORNERS TO BE REMOVED MINIMUM RADIUS 0.03" FLANGE DRILLING — ALL HOLES TO BE DRILLED OFF CENTRES, UNLESS OTHERWISE STATED.
PROJECTION 	DO NOT SCALE : IF IN DOUBT ASK	

MACHINING GRADE SYMBOL					G GRIND OR POUGH	G0 MIRROR
BS 308 ROUGHNESS No.	N10	N9	N8	N7	N6	N5
MICRO-INCHES	500	250	125	63	32	16
SIMILAR TO DRAWING:-	PATTERN No.	CHECKED:- K.HOROBIN			DATE:- DAWAEST	
	REF. DRG'S.	APPROVED:-			DATE:- 05/02/2002	