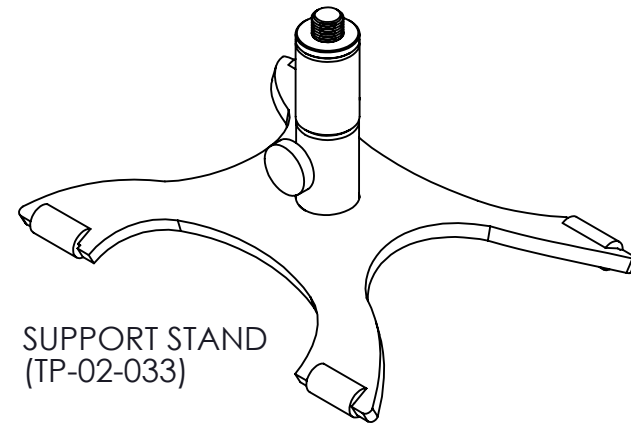


1 2 3 4 5 6 7 8

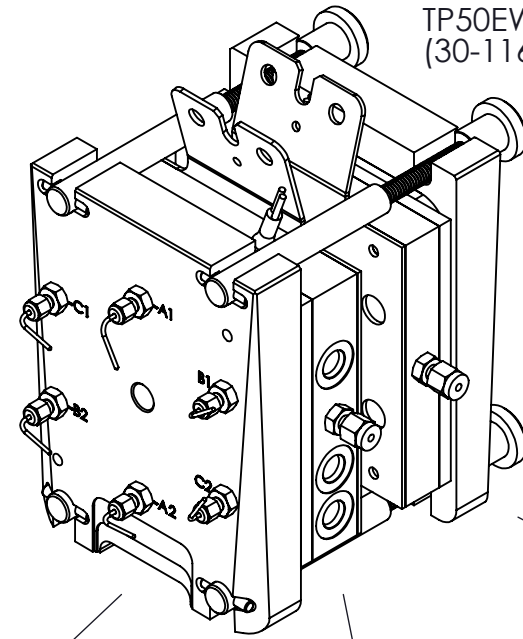
D
C
B
A

D
C
B
A



SUPPORT STAND
(TP-02-033)

+



TP50EW COMPRESSION HARDWARE
(30-1162B)

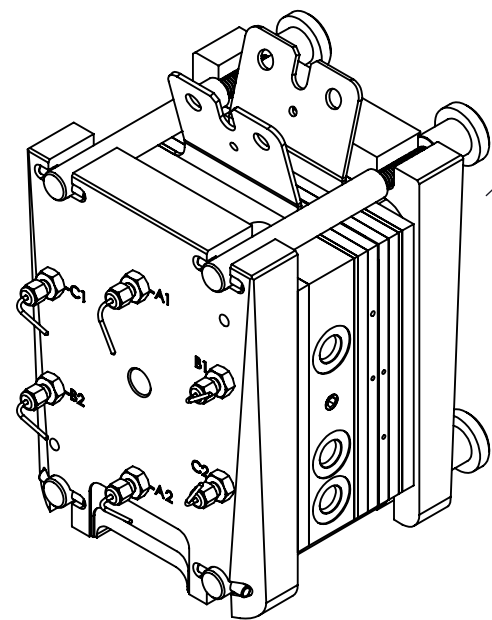
OPTION D

CUSTOM SOLUTION TO MEET YOUR
REQUIREMENTS (EG DIFFERENT
CHEMISTRY, ACTIVE AREA, TEST
OBJECTIVE, ETC)

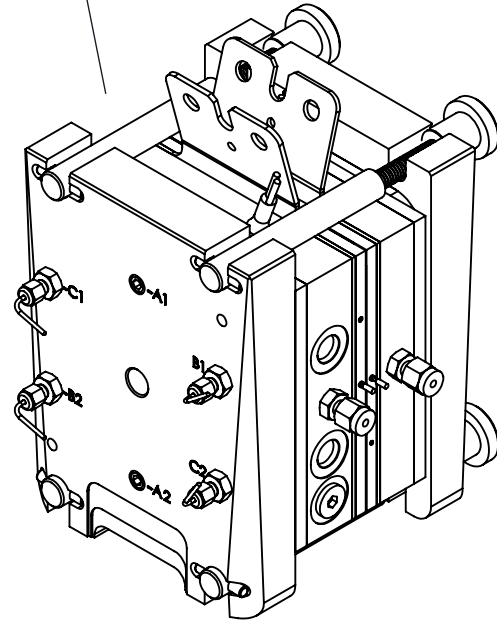
OPTION A

OPTION B

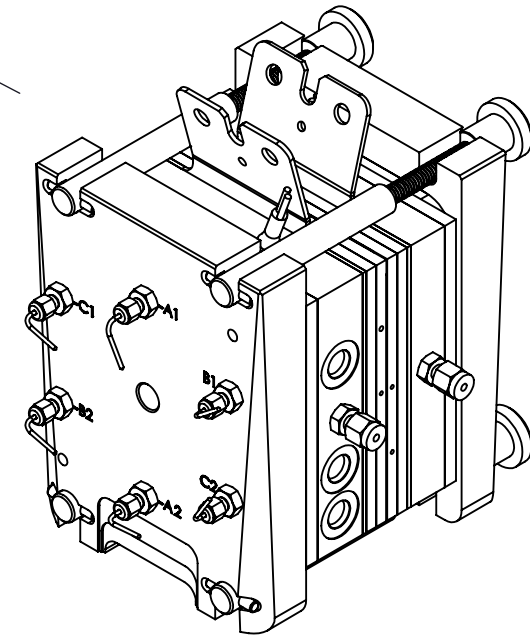
OPTION C



CONFIGURED AS TP50
WATER COOLED
SINGLE CELL TO SHORT STACK (10 CELLS)
(30-1162B-TP50)



CONFIGURED AS TP50E
ELECTRICALLY HEATED
SINGLE CELL ONLY
(30-1162B-TP50E)

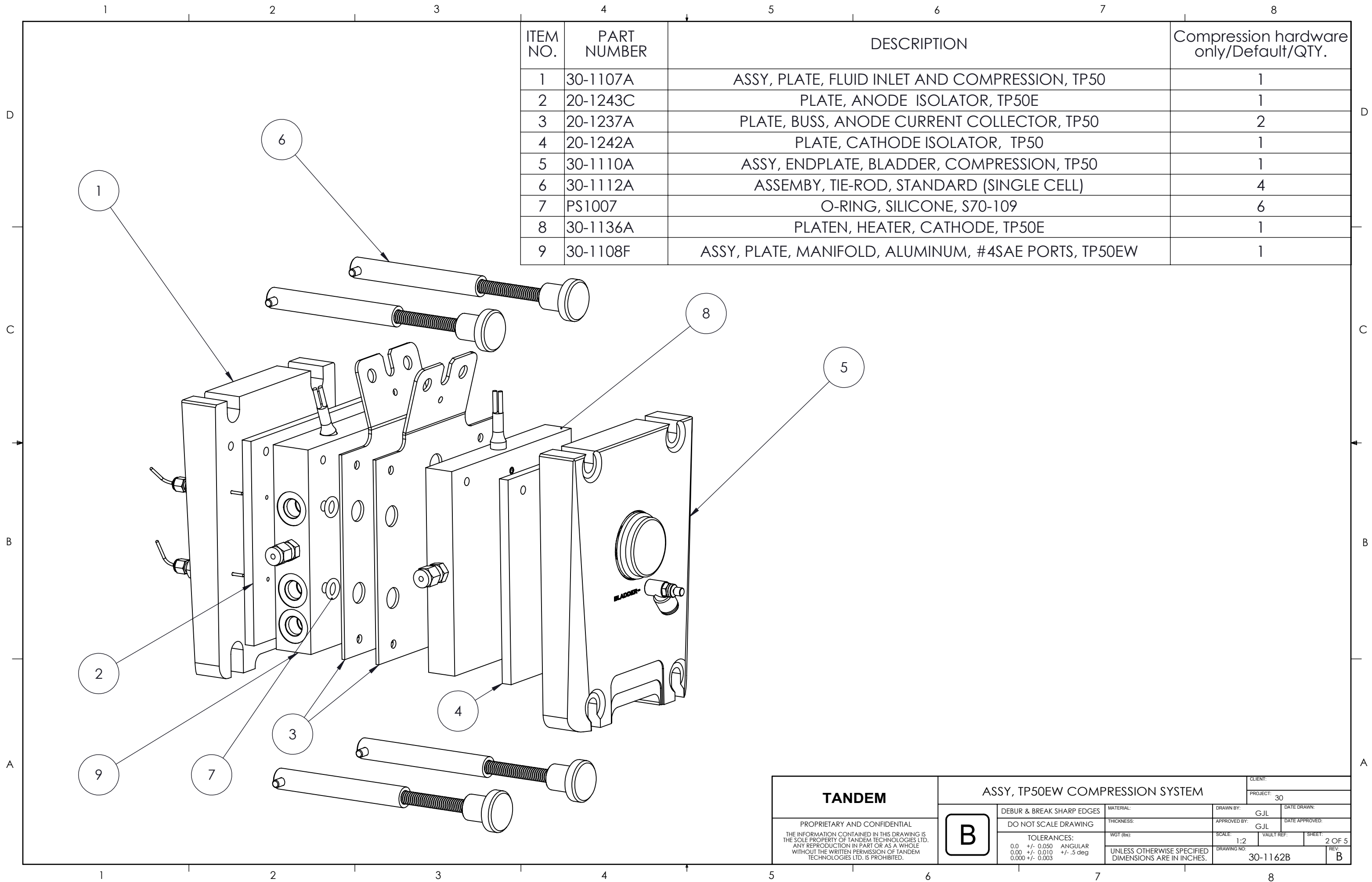


CONFIGURED AS TP50EW
ELECTRICALLY HEATED
AND/OR WATER COOLED
SINGLE CELL TO SHORT STACK
(30-1162B-TP50EW)

NOTE
TP50 CAN BE CONFIGURED AS A WATER COOLED STACK UP TO 30 CELLS

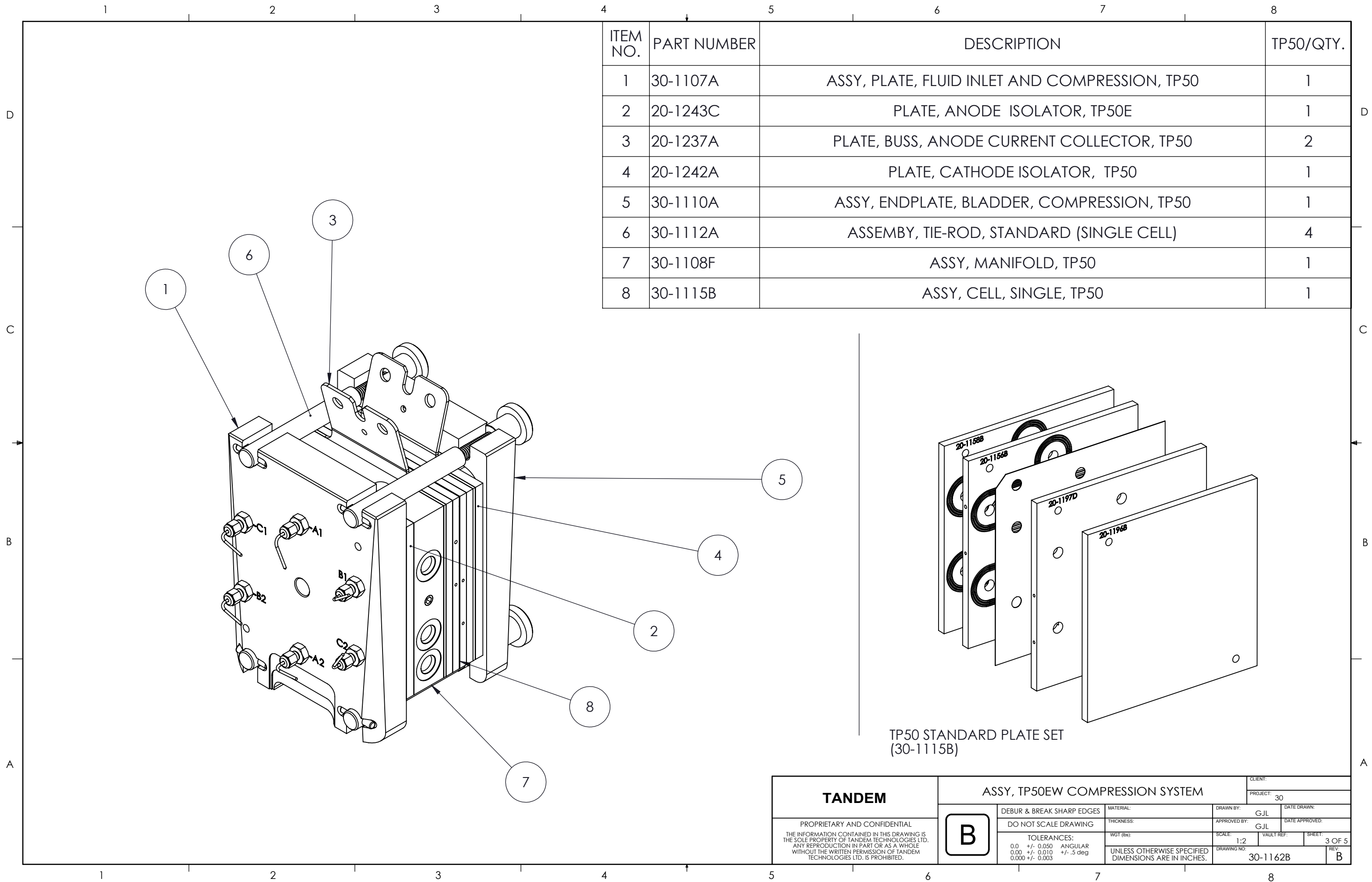
TANDEM	ASSY, TP50EW COMPRESSION SYSTEM		CLIENT:	
			PROJECT: 30	
B	DEBUR & BREAK SHARP EDGES	MATERIAL:	DRAWN BY: G.JL	DATE DRAWN (DD/MM/YYYY): 03/02/2016
	DO NOT SCALE DRAWING		APPROVED BY: G.JL	DATE APPROVED:
	TOLERANCES:		SCALE: 1:3	SHEET: 1 OF 5
	0.0 +/- 0.050 ANGULAR	0.00 +/- 0.010 +/- .5 deg	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES.	
		DRAWING NO: 30-1162B		REV: B

1 2 3 4 5 6 7 8



ITEM NO.	PART NUMBER	DESCRIPTION	Compression hardware only/Default/QTY.
1	30-1107A	ASSY, PLATE, FLUID INLET AND COMPRESSION, TP50	1
2	20-1243C	PLATE, ANODE ISOLATOR, TP50E	1
3	20-1237A	PLATE, BUSS, ANODE CURRENT COLLECTOR, TP50	2
4	20-1242A	PLATE, CATHODE ISOLATOR, TP50	1
5	30-1110A	ASSY, ENDPLATE, BLADDER, COMPRESSION, TP50	1
6	30-1112A	ASSEMBY, TIE-ROD, STANDARD (SINGLE CELL)	4
7	PS1007	O-RING, SILICONE, S70-109	6
8	30-1136A	PLATEN, HEATER, CATHODE, TP50E	1
9	30-1108F	ASSY, PLATE, MANIFOLD, ALUMINUM, #4SAE PORTS, TP50EW	1

TANDEM	ASSY, TP50EW COMPRESSION SYSTEM		CLIENT:		
			PROJECT: 30		
	DEBUR & BREAK SHARP EDGES		MATERIAL:	DRAWN BY: GJL	DATE DRAWN:
	DO NOT SCALE DRAWING		THICKNESS:	APPROVED BY: GJL	DATE APPROVED:
<small>PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF TANDEM TECHNOLOGIES LTD. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF TANDEM TECHNOLOGIES LTD. IS PROHIBITED.</small>		TOLERANCES:		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES.	
		0.0 +/- 0.050 ANGULAR	0.00 +/- 0.010 +/- .5 deg		0.000 +/- 0.003
B		SCALE: 1:2		Vault Ref: SHEET: 2 OF 5	
		DRAWING NO: 30-1162B		REV: B	



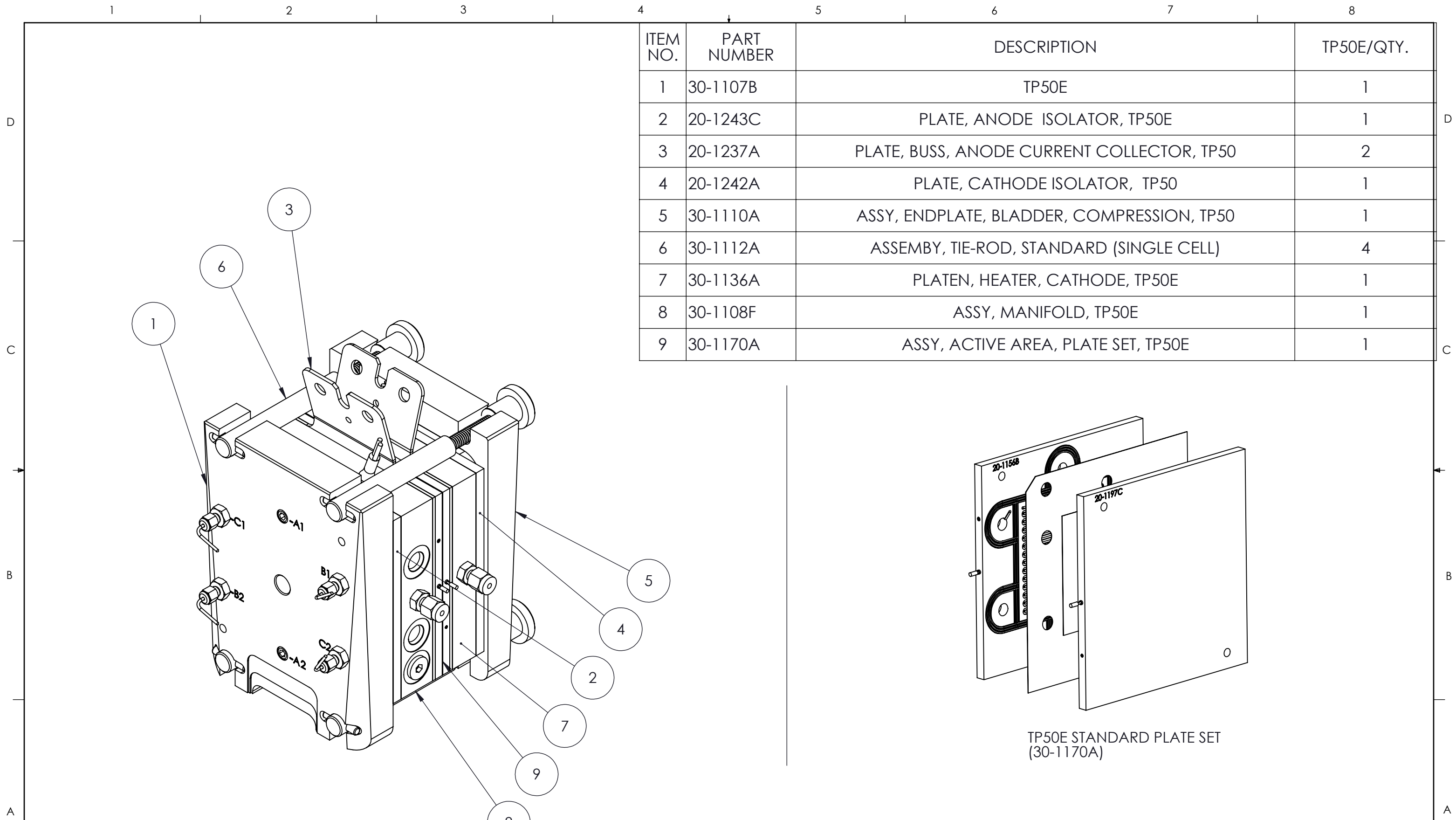
ITEM NO.	PART NUMBER	DESCRIPTION	TP50/QTY.
1	30-1107A	ASSY, PLATE, FLUID INLET AND COMPRESSION, TP50	1
2	20-1243C	PLATE, ANODE ISOLATOR, TP50E	1
3	20-1237A	PLATE, BUSS, ANODE CURRENT COLLECTOR, TP50	2
4	20-1242A	PLATE, CATHODE ISOLATOR, TP50	1
5	30-1110A	ASSY, ENDPLATE, BLADDER, COMPRESSION, TP50	1
6	30-1112A	ASSEMBY, TIE-ROD, STANDARD (SINGLE CELL)	4
7	30-1108F	ASSY, MANIFOLD, TP50	1
8	30-1115B	ASSY, CELL, SINGLE, TP50	1

TP50 STANDARD PLATE SET
(30-1115B)

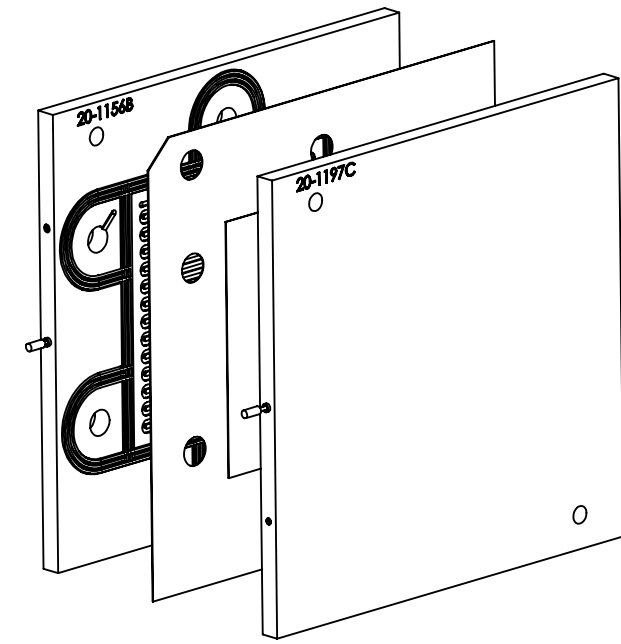
TANDEM	ASSY, TP50EW COMPRESSION SYSTEM				CLIENT:
					PROJECT: 30
	DEBUR & BREAK SHARP EDGES		MATERIAL:	DRAWN BY: GJL	DATE DRAWN:
DO NOT SCALE DRAWING		THICKNESS:	APPROVED BY: GJL	DATE APPROVED:	
TOLERANCES:		WGHT (lbs):	SCALE: 1:2	Vault REF:	SHEET: 3 OF 5
0.0 +/- 0.050 ANGULAR 0.00 +/- 0.010 +/- .5 deg 0.000 +/- 0.003		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES.		DRAWING NO: 30-1162B	REV: B

B

PROPRIETARY AND CONFIDENTIAL
THE INFORMATION CONTAINED IN THIS DRAWING IS
THE SOLE PROPERTY OF TANDEM TECHNOLOGIES LTD.
ANY REPRODUCTION IN PART OR AS A WHOLE
WITHOUT THE WRITTEN PERMISSION OF TANDEM
TECHNOLOGIES LTD. IS PROHIBITED.



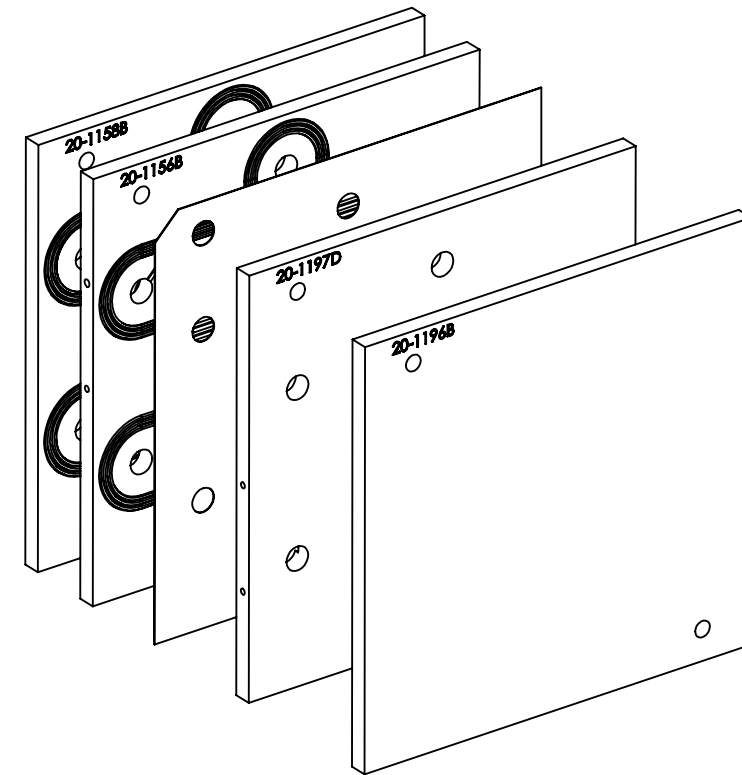
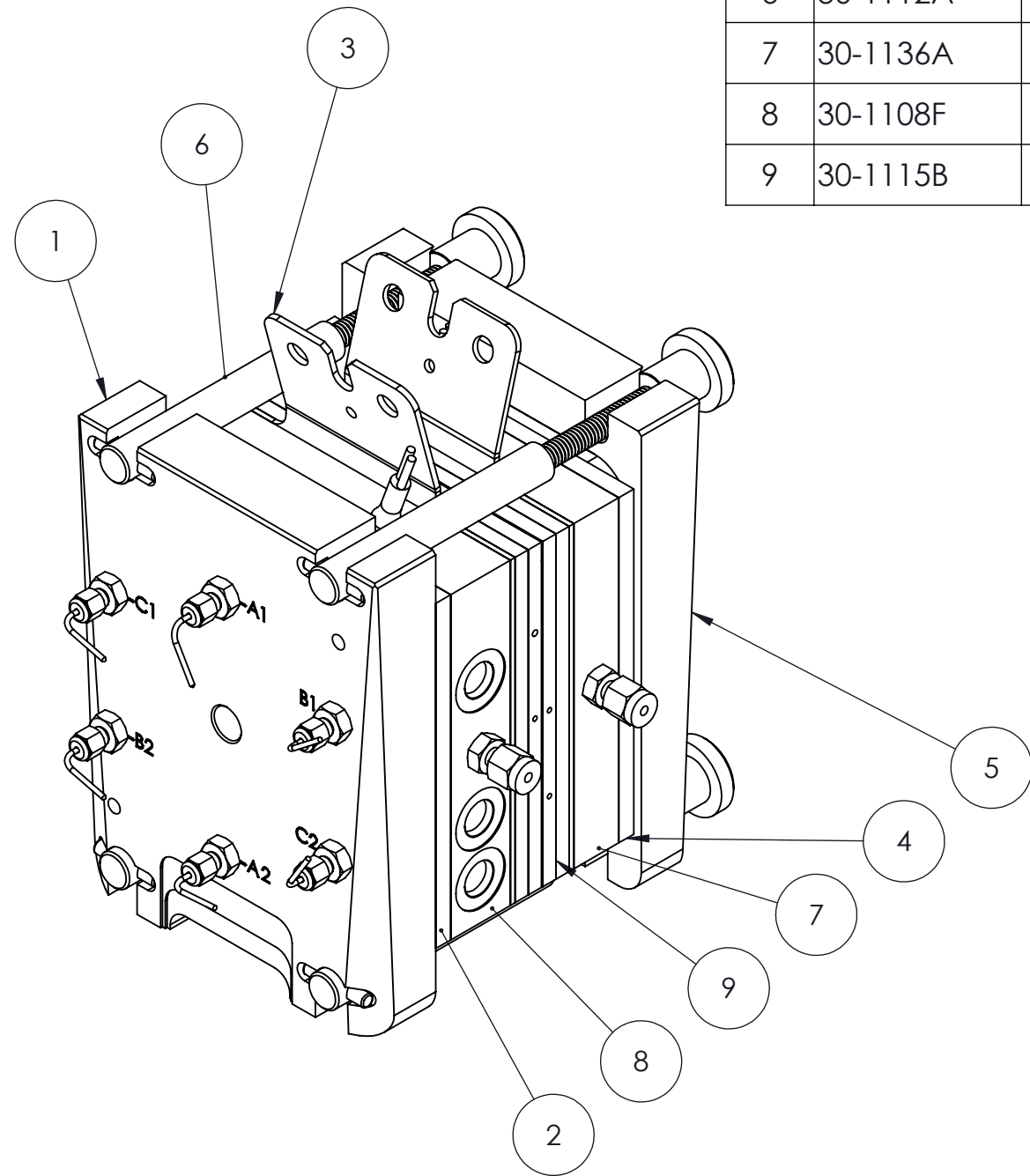
ITEM NO.	PART NUMBER	DESCRIPTION	TP50E/QTY.
1	30-1107B	TP50E	1
2	20-1243C	PLATE, ANODE ISOLATOR, TP50E	1
3	20-1237A	PLATE, BUSS, ANODE CURRENT COLLECTOR, TP50	2
4	20-1242A	PLATE, CATHODE ISOLATOR, TP50	1
5	30-1110A	ASSY, ENDPLATE, BLADDER, COMPRESSION, TP50	1
6	30-1112A	ASSEMBY, TIE-ROD, STANDARD (SINGLE CELL)	4
7	30-1136A	PLATEN, HEATER, CATHODE, TP50E	1
8	30-1108F	ASSY, MANIFOLD, TP50E	1
9	30-1170A	ASSY, ACTIVE AREA, PLATE SET, TP50E	1



TP50E STANDARD PLATE SET
(30-1170A)

TANDEM PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF TANDEM TECHNOLOGIES LTD. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF TANDEM TECHNOLOGIES LTD. IS PROHIBITED.	ASSY, TP50EW COMPRESSION SYSTEM		CLIENT: PROJECT: 30	
	DEBUR & BREAK SHARP EDGES DO NOT SCALE DRAWING	MATERIAL: THICKNESS: WGT (lbs):	DRAWN BY: GJL APPROVED BY: GJL	DATE DRAWN: DATE APPROVED:
	TOLERANCES: 0.0 +/- 0.050 ANGULAR 0.00 +/- 0.010 +/- .5 deg 0.000 +/- 0.003	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES.	SCALE: 1:2 DRAWING NO: 30-1162B	SHEET: 4 OF 5 REV: B

ITEM NO.	PART NUMBER	DESCRIPTION	TP50EW/QTY.
1	30-1107A	ASSY, PLATE, FLUID INLET AND COMPRESSION, TP50	1
2	20-1243C	PLATE, ANODE ISOLATOR, TP50E	1
3	20-1237A	PLATE, BUSS, ANODE CURRENT COLLECTOR, TP50	2
4	20-1242A	PLATE, CATHODE ISOLATOR, TP50	1
5	30-1110A	ASSY, ENDPLATE, BLADDER, COMPRESSION, TP50	1
6	30-1112A	ASSEMBLY, TIE-ROD, STANDARD (SINGLE CELL)	4
7	30-1136A	PLATEN, HEATER, CATHODE, TP50E	1
8	30-1108F	ASSY, MANIFOLD, TP50EW	1
9	30-1115B	ASSY, CELL, SINGLE, TP50	1



TP50 STANDARD PLATE SET
(30-1115B)

TANDEM	ASSY, TP50EW COMPRESSION SYSTEM		CLIENT:	
			PROJECT: 30	
B	DEBUR & BREAK SHARP EDGES	MATERIAL:	DRAWN BY: GJL	DATE DRAWN:
	DO NOT SCALE DRAWING	THICKNESS:	APPROVED BY: GJL	DATE APPROVED:
	TOLERANCES:		SCALE: 1:2	Vault Ref: SHEET: 5 OF 5
	0.0 +/- 0.050 ANGULAR 0.00 +/- 0.010 +/- .5 deg 0.000 +/- 0.003	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES.	DRAWING NO: 30-1162B	REV: B

