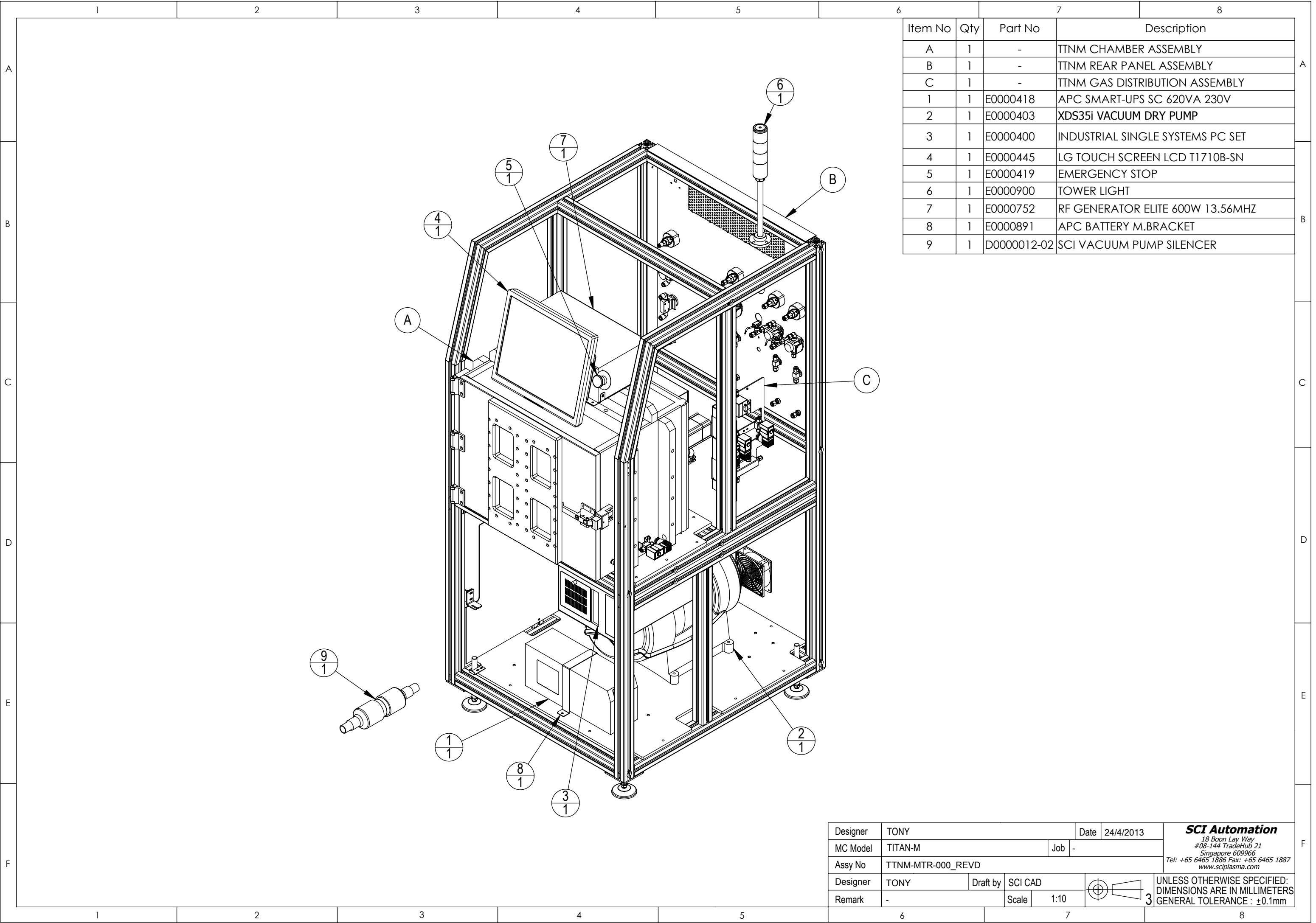
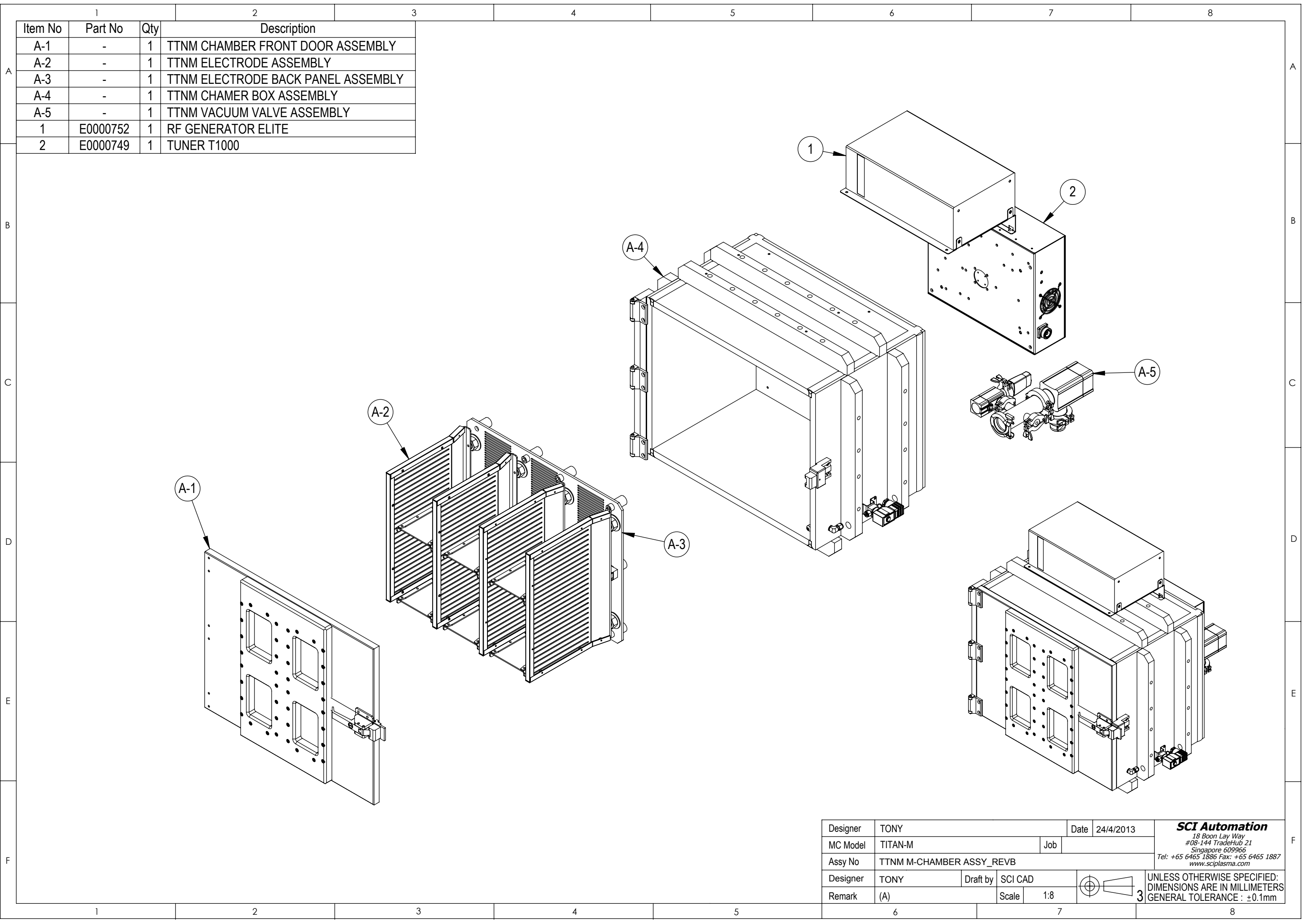


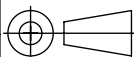
SCI Automation
18 Boon Lay Way
#08-144 TradeHub 21
Singapore 609966
Tel: +65 6465 1886 Fax: +65 6465 1887
www.sciplasma.com



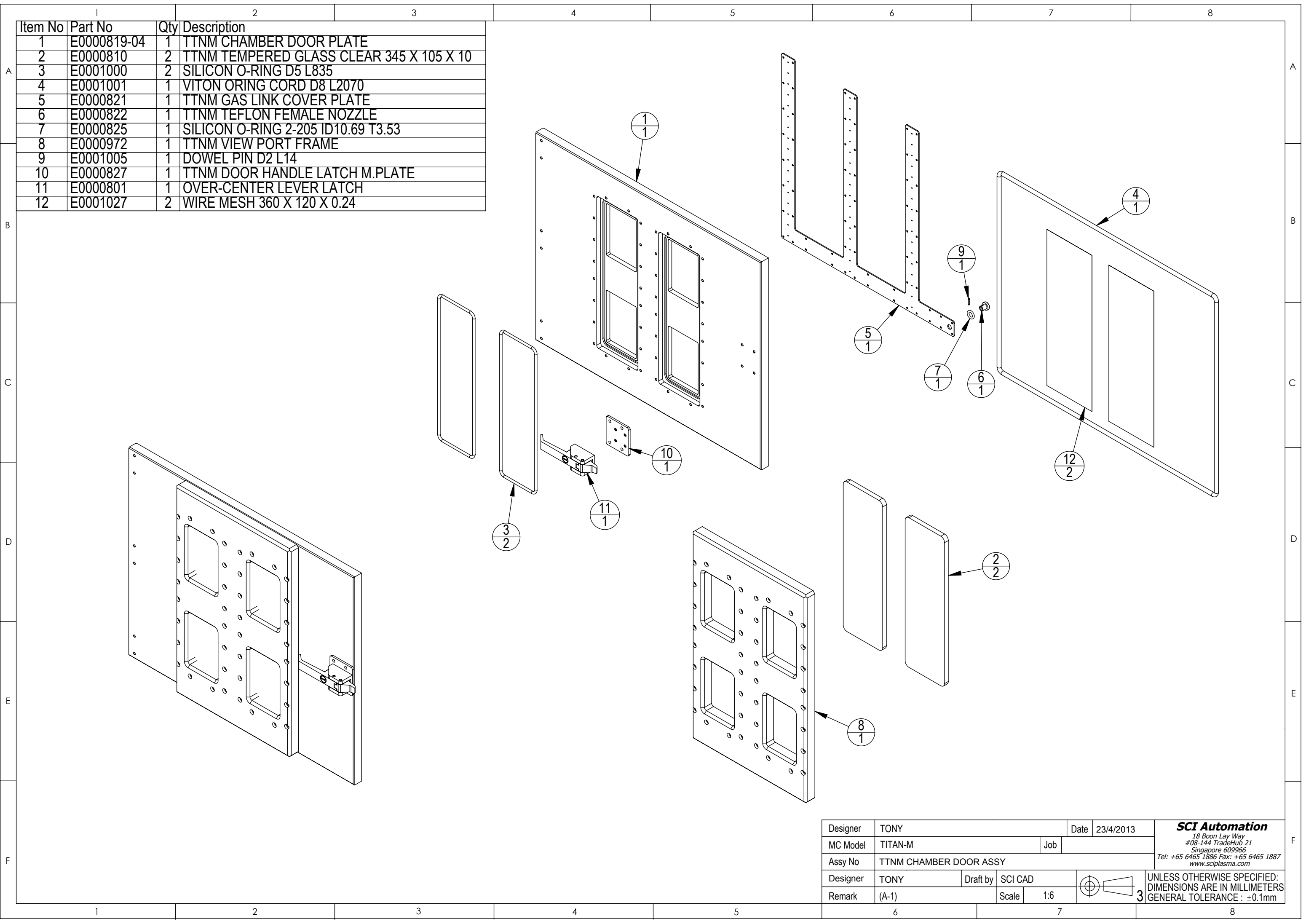
| | | | | |
|----------|-------------------|----------|-----------|---|
| Designer | TONY | Date | 24/4/2013 | SCI Automation 18 Boon Lay Way #08-144 TradeHub 21 Singapore 609966 Tel: +65 6465 1886 Fax: +65 6465 1887 www.sciplasma.com |
| MC Model | TITAN-M | Job | - | |
| Assy No | TTNM-MTR-000_REVD | | | |
| Designer | TONY | Draft by | SCI CAD | UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS GENERAL TOLERANCE : ±0.1mm |
| Remark | - | Scale | 1:10 | |



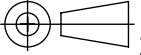
| Item No | Part No | Qty | Description |
|---------|----------|-----|------------------------------------|
| A-1 | - | 1 | TTNM CHAMBER FRONT DOOR ASSEMBLY |
| A-2 | - | 1 | TTNM ELECTRODE ASSEMBLY |
| A-3 | - | 1 | TTNM ELECTRODE BACK PANEL ASSEMBLY |
| A-4 | - | 1 | TTNM CHAMER BOX ASSEMBLY |
| A-5 | - | 1 | TTNM VACUUM VALVE ASSEMBLY |
| 1 | E0000752 | 1 | RF GENERATOR ELITE |
| 2 | E0000749 | 1 | TUNER T1000 |

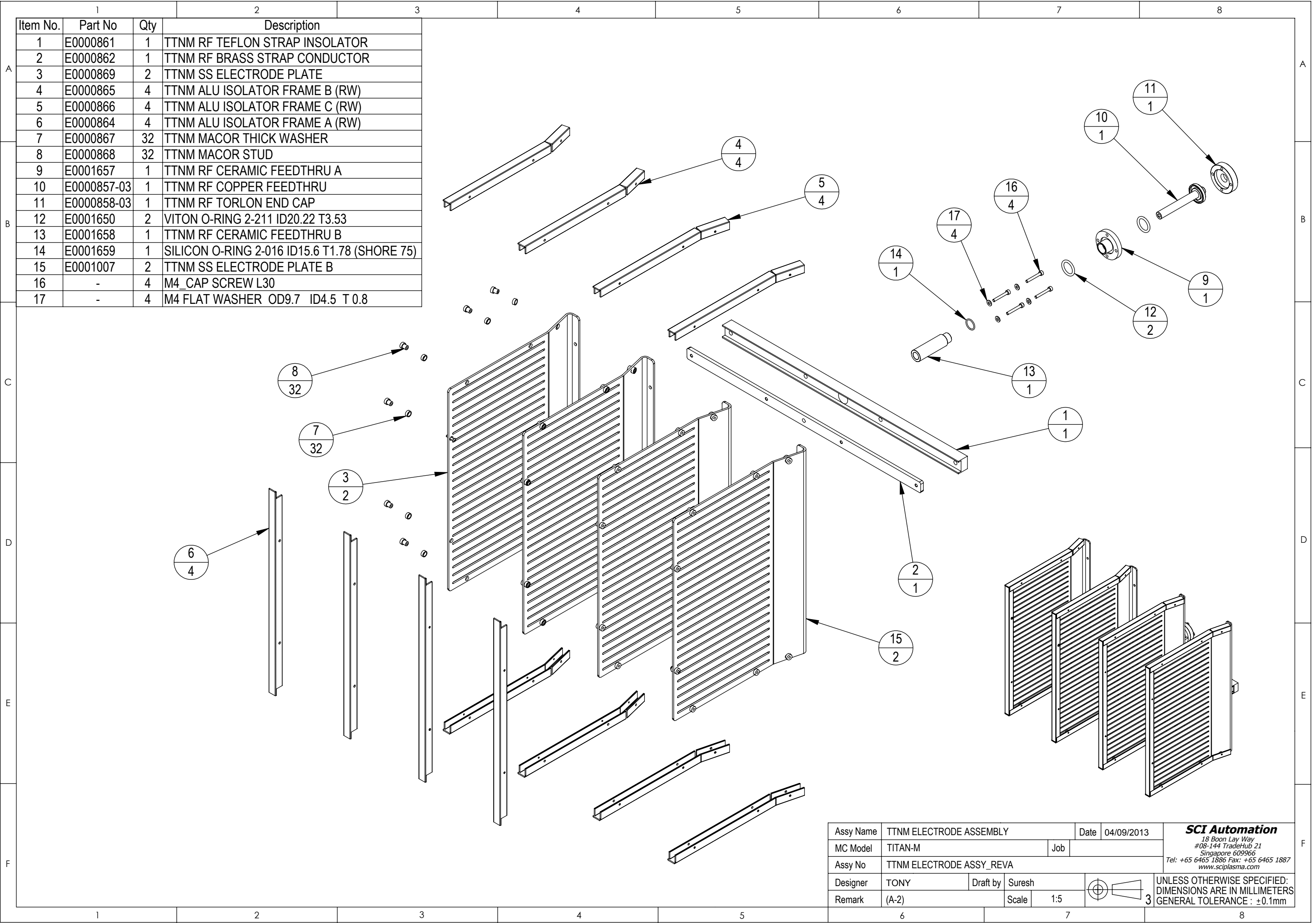
| | | | | | | |
|----------|---------------------------|----------|---------|------|--|---|
| Designer | TONY | | | Date | 24/4/2013 | SCI Automation 18 Boon Lay Way #08-144 TradeHub 21 Singapore 609966 Tel: +65 6465 1886 Fax: +65 6465 1887 www.sciplasma.com |
| MC Model | TITAN-M | Job | | | | |
| Assy No | TTNM M-CHAMBER ASSY_REV B | | | | | |
| Designer | TONY | Draft by | SCI CAD | |  3 | UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS GENERAL TOLERANCE : ±0.1mm |
| Remark | (A) | Scale | 1:8 | | | |

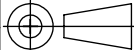
SCI Automation
18 Boon Lay Way
#08-144 TradeHub 21
Singapore 609966
Tel: +65 6465 1886 Fax: +65 6465 1887
www.sciplasma.com

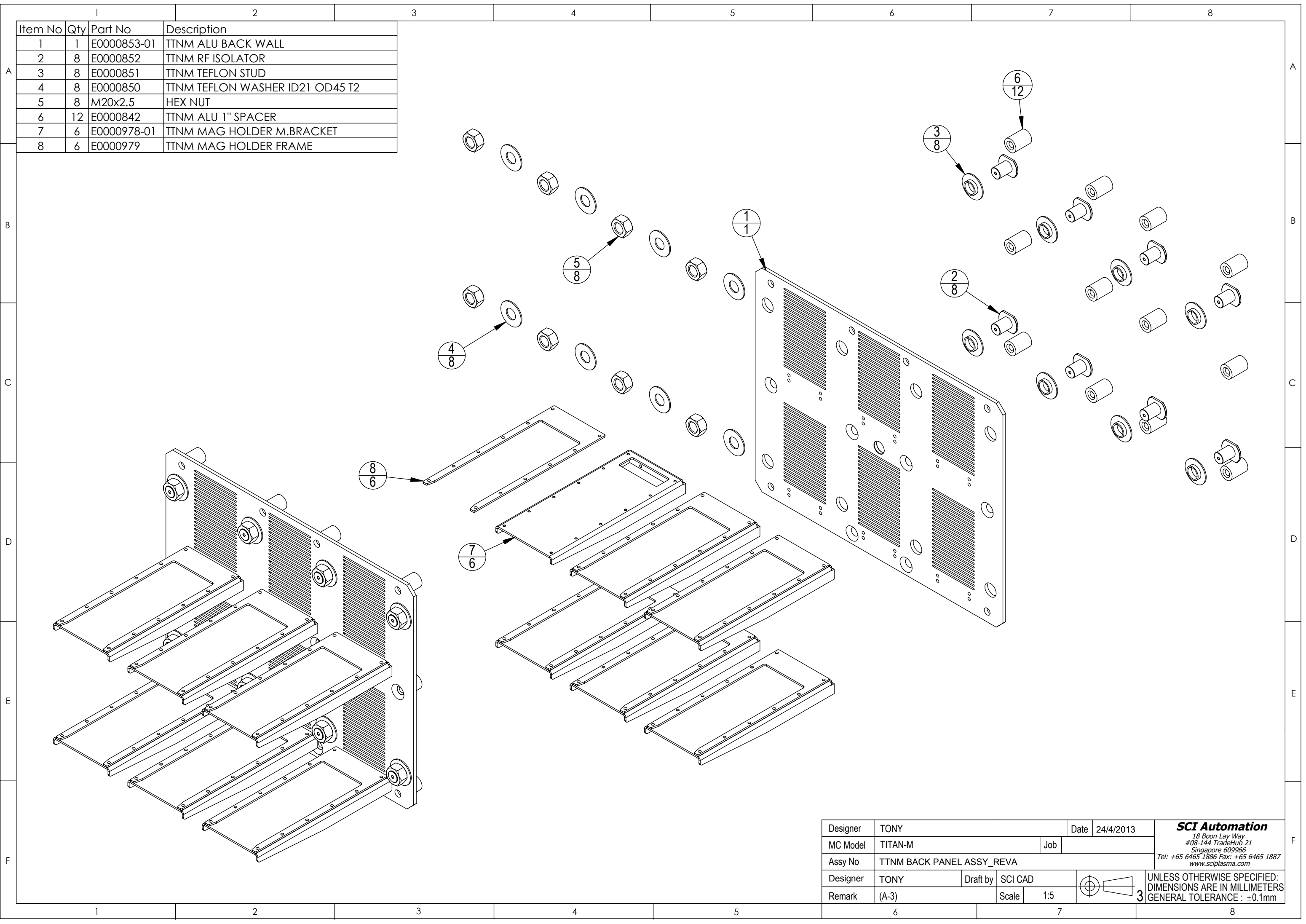


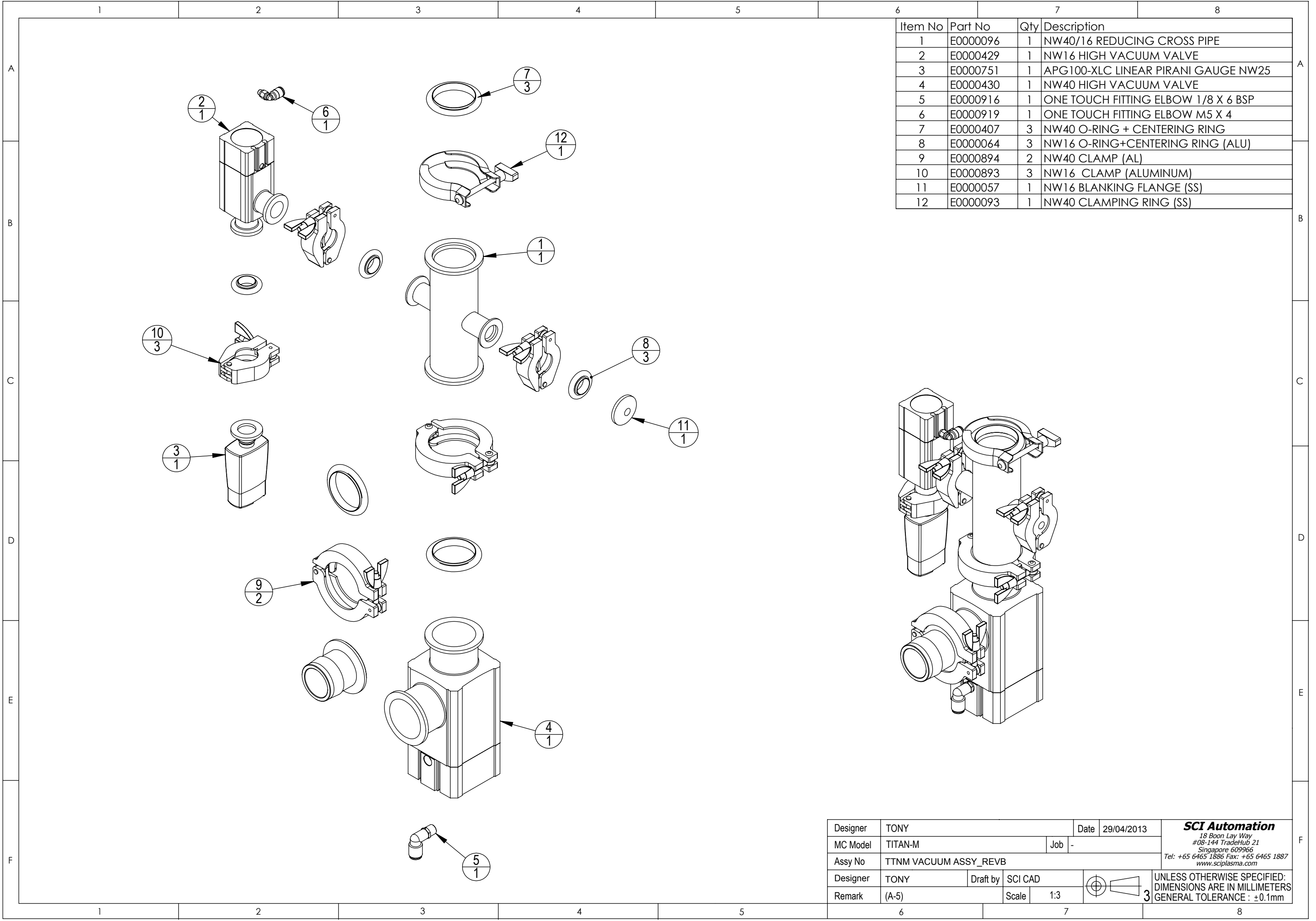
| Item No | Part No | Qty | Description |
|---------|-------------|-----|--|
| 1 | E0000819-04 | 1 | TTNM CHAMBER DOOR PLATE |
| 2 | E0000810 | 2 | TTNM TEMPERED GLASS CLEAR 345 X 105 X 10 |
| 3 | E0001000 | 2 | SILICON O-RING D5 L835 |
| 4 | E0001001 | 1 | VITON ORING CORD D8 L2070 |
| 5 | E0000821 | 1 | TTNM GAS LINK COVER PLATE |
| 6 | E0000822 | 1 | TTNM TEFLON FEMALE NOZZLE |
| 7 | E0000825 | 1 | SILICON O-RING 2-205 ID10.69 T3.53 |
| 8 | E0000972 | 1 | TTNM VIEW PORT FRAME |
| 9 | E0001005 | 1 | DOWEL PIN D2 L14 |
| 10 | E0000827 | 1 | TTNM DOOR HANDLE LATCH M.PLATE |
| 11 | E0000801 | 1 | OVER-CENTER LEVER LATCH |
| 12 | E0001027 | 2 | WIRE MESH 360 X 120 X 0.24 |

| | | | | |
|----------|------------------------|----------|-----------|---|
| Designer | TONY | Date | 23/4/2013 | SCI Automation 18 Boon Lay Way #08-144 TradeHub 21 Singapore 609966 Tel: +65 6465 1886 Fax: +65 6465 1887 www.sciplasma.com |
| MC Model | TITAN-M | Job | | |
| Assy No | TTNM CHAMBER DOOR ASSY | | | |
| Designer | TONY | Draft by | SCI CAD |  3 UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS GENERAL TOLERANCE : ±0.1mm |
| Remark | (A-1) | Scale | 1:6 | |

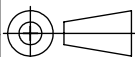


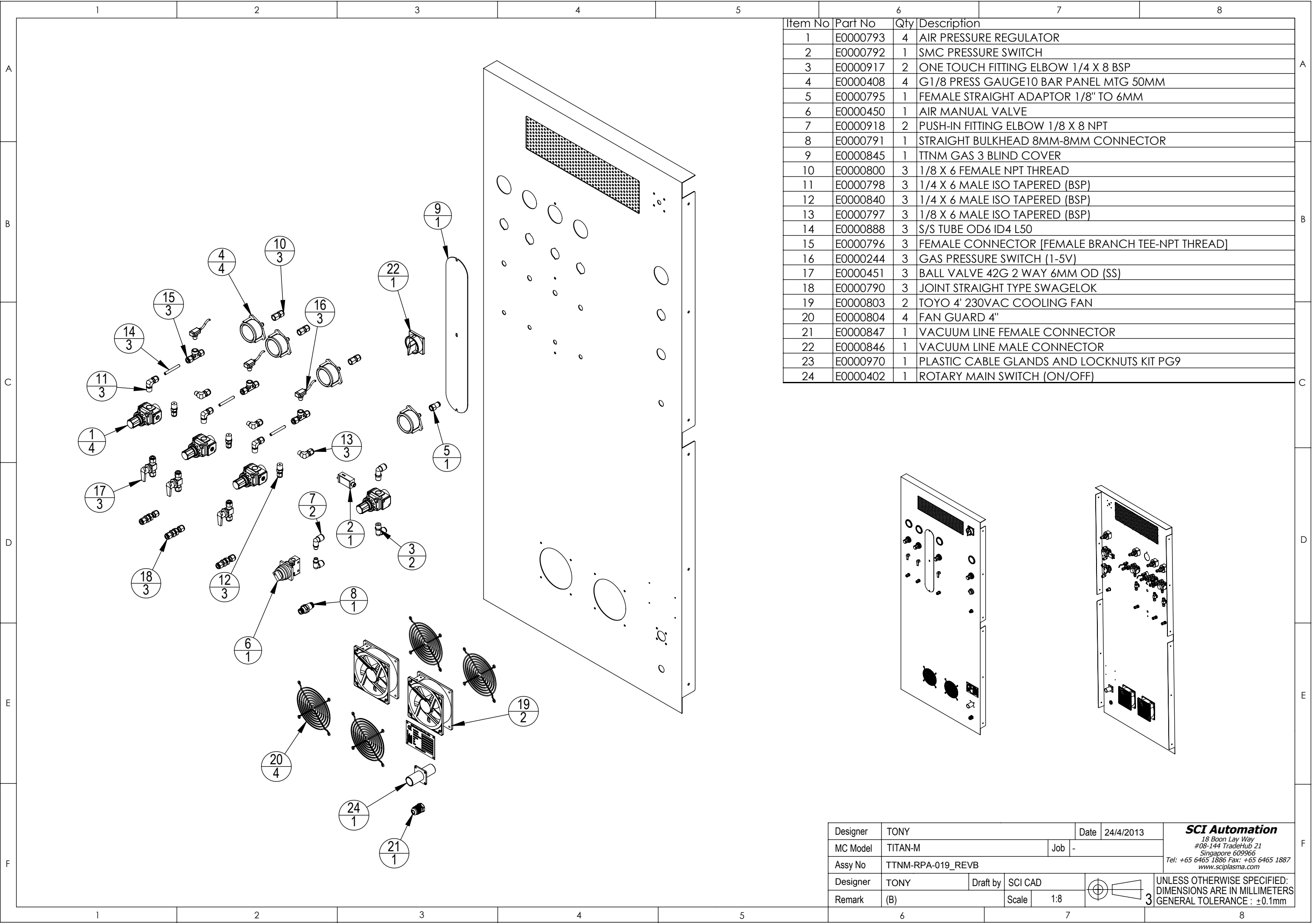
| | | | | | | |
|-----------|--------------------------|----------|--------|---|--|---|
| Assy Name | TTNM ELECTRODE ASSEMBLY | | | Date | 04/09/2013 | SCI Automation 18 Boon Lay Way #08-144 TradeHub 21 Singapore 609966 Tel: +65 6465 1886 Fax: +65 6465 1887 www.sciplasma.com |
| MC Model | TITAN-M | Job | | | | |
| Assy No | TTNM ELECTRODE ASSY_REVA | | | | | |
| Designer | TONY | Draft by | Suresh |  | UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS GENERAL TOLERANCE : ±0.1mm | |
| Remark | (A-2) | Scale | 1:5 | | | |



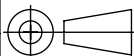


| Item No | Part No | Qty | Description |
|---------|----------|-----|-------------------------------------|
| 1 | E0000096 | 1 | NW40/16 REDUCING CROSS PIPE |
| 2 | E0000429 | 1 | NW16 HIGH VACUUM VALVE |
| 3 | E0000751 | 1 | APG100-XLC LINEAR PIRANI GAUGE NW25 |
| 4 | E0000430 | 1 | NW40 HIGH VACUUM VALVE |
| 5 | E0000916 | 1 | ONE TOUCH FITTING ELBOW 1/8 X 6 BSP |
| 6 | E0000919 | 1 | ONE TOUCH FITTING ELBOW M5 X 4 |
| 7 | E0000407 | 3 | NW40 O-RING + CENTERING RING |
| 8 | E0000064 | 3 | NW16 O-RING+CENTERING RING (ALU) |
| 9 | E0000894 | 2 | NW40 CLAMP (AL) |
| 10 | E0000893 | 3 | NW16 CLAMP (ALUMINUM) |
| 11 | E0000057 | 1 | NW16 BLANKING FLANGE (SS) |
| 12 | E0000093 | 1 | NW40 CLAMPING RING (SS) |

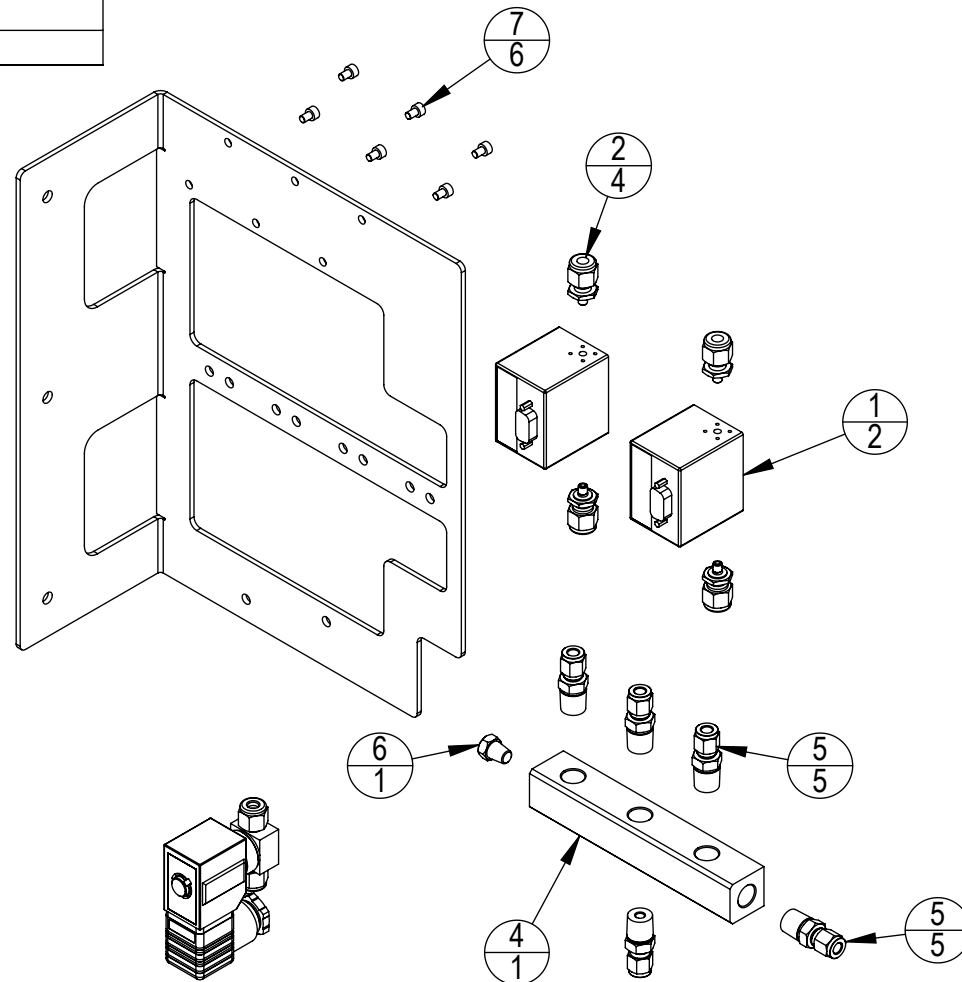
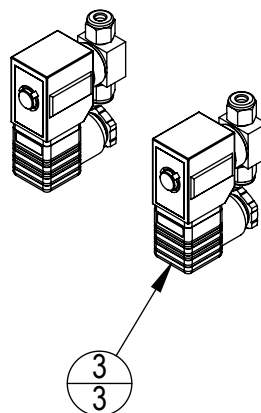
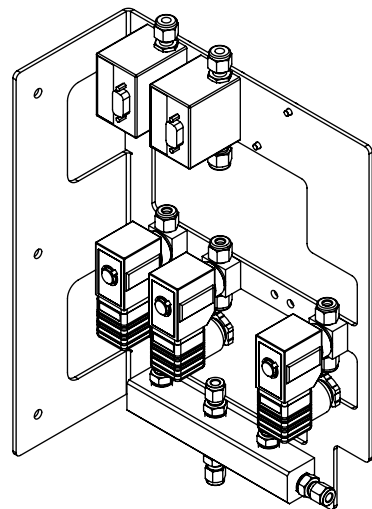
| | | | | | | |
|----------|------------------------|----------|---------|------|---|---|
| Designer | TONY | | | Date | 29/04/2013 | SCI Automation 18 Boon Lay Way #08-144 TradeHub 21 Singapore 609966 Tel: +65 6465 1886 Fax: +65 6465 1887 www.sciplasma.com |
| MC Model | TITAN-M | | Job | - | | |
| Assy No | TTNM VACUUM ASSY_REV B | | | | | |
| Designer | TONY | Draft by | SCI CAD | |  3 | UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS GENERAL TOLERANCE : ±0.1mm |
| Remark | (A-5) | | Scale | 1:3 | | |




| Item No | Part No | Qty | Description |
|---------|----------|-----|---|
| 1 | E0000793 | 4 | AIR PRESSURE REGULATOR |
| 2 | E0000792 | 1 | SMC PRESSURE SWITCH |
| 3 | E0000917 | 2 | ONE TOUCH FITTING ELBOW 1/4 X 8 BSP |
| 4 | E0000408 | 4 | G1/8 PRESS GAUGE10 BAR PANEL MTG 50MM |
| 5 | E0000795 | 1 | FEMALE STRAIGHT ADAPTOR 1/8" TO 6MM |
| 6 | E0000450 | 1 | AIR MANUAL VALVE |
| 7 | E0000918 | 2 | PUSH-IN FITTING ELBOW 1/8 X 8 NPT |
| 8 | E0000791 | 1 | STRAIGHT BULKHEAD 8MM-8MM CONNECTOR |
| 9 | E0000845 | 1 | TTNM GAS 3 BLIND COVER |
| 10 | E0000800 | 3 | 1/8 X 6 FEMALE NPT THREAD |
| 11 | E0000798 | 3 | 1/4 X 6 MALE ISO TAPERED (BSP) |
| 12 | E0000840 | 3 | 1/4 X 6 MALE ISO TAPERED (BSP) |
| 13 | E0000797 | 3 | 1/8 X 6 MALE ISO TAPERED (BSP) |
| 14 | E0000888 | 3 | S/S TUBE OD6 ID4 L50 |
| 15 | E0000796 | 3 | FEMALE CONNECTOR [FEMALE BRANCH TEE-NPT THREAD] |
| 16 | E0000244 | 3 | GAS PRESSURE SWITCH (1-5V) |
| 17 | E0000451 | 3 | BALL VALVE 42G 2 WAY 6MM OD (SS) |
| 18 | E0000790 | 3 | JOINT STRAIGHT TYPE SWAGELOK |
| 19 | E0000803 | 2 | TOYO 4' 230VAC COOLING FAN |
| 20 | E0000804 | 4 | FAN GUARD 4" |
| 21 | E0000847 | 1 | VACUUM LINE FEMALE CONNECTOR |
| 22 | E0000846 | 1 | VACUUM LINE MALE CONNECTOR |
| 23 | E0000970 | 1 | PLASTIC CABLE GLANDS AND LOCKNUTS KIT PG9 |
| 24 | E0000402 | 1 | ROTARY MAIN SWITCH (ON/OFF) |

| | | | | | | |
|----------|--------------------|----------|---------|------|---|---|
| Designer | TONY | | | Date | 24/4/2013 | SCI Automation 18 Boon Lay Way #08-144 TradeHub 21 Singapore 609966 Tel: +65 6465 1886 Fax: +65 6465 1887 www.sciplasma.com |
| MC Model | TITAN-M | | Job | - | | |
| Assy No | TTNM-RPA-019_REV B | | | | | |
| Designer | TONY | Draft by | SCI CAD | |  3 | UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS GENERAL TOLERANCE : ±0.1mm |
| Remark | (B) | | Scale | 1:8 | | |

| Item No | Part No | Qty | Description |
|---------|-----------------|-----|---|
| 1 | E0000808 | 2 | MASS FLOW CONTROLLER |
| 2 | E0000838 | 4 | MALE CONNECTOR (#10-32), SS316 |
| 3 | E0000245 | 3 | HIGH VACUUM GAS VALVE |
| 4 | E0000872 | 1 | TTNM GAS MIXTURE BAR |
| 5 | E0000799 | 5 | MALE CONNECTOR, 6MM TUBE OD x 1/4" MALE NPT |
| 6 | E0000971 | 1 | HEX CAP PLUG S/S 1/8 NPT MALE THREAD |
| 7 | #8-32 CAP SCREW | 6 | #8-32 CAP SCREW |



| | | | | | | |
|-----------|----------------------------|----------|---------|------|---|---|
| Assy Name | TTNM GAS DISTRIBUTION ASSY | | | Date | 18/2/2013 | SCI Automation 18 Boon Lay Way #08-144 TradeHub 21 Singapore 609966 Tel: +65 6465 1886 Fax: +65 6465 1887 www.sciplasma.com |
| MC Model | TITAN-M | Job No | - | | | |
| Assy No | TTNM MASS FLO CTRL ASSY | | | | | |
| Designer | TONY | Draft by | SCI CAD | |  | |
| Remark | (C) | Scale | 1:4 | | | |
| | | | | | | UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS GENERAL TOLERANCE : ±0.1mm |