

# PROJECT REFERENCE



**BELFLOR RESOURCES SDN. BHD.** (Co. No.: 750261-X)

NO. 1, JALAN BUNGA RAYA 6A/2, SEKSYEN BS 4, BUKIT SENTOSA 1,  
48300 RAWANG, SELANGOR D.E., MALAYSIA.



**OFFICE OF BELFLOR RESOURCES SDN. BHD.** (Co. No.: 750261-X)

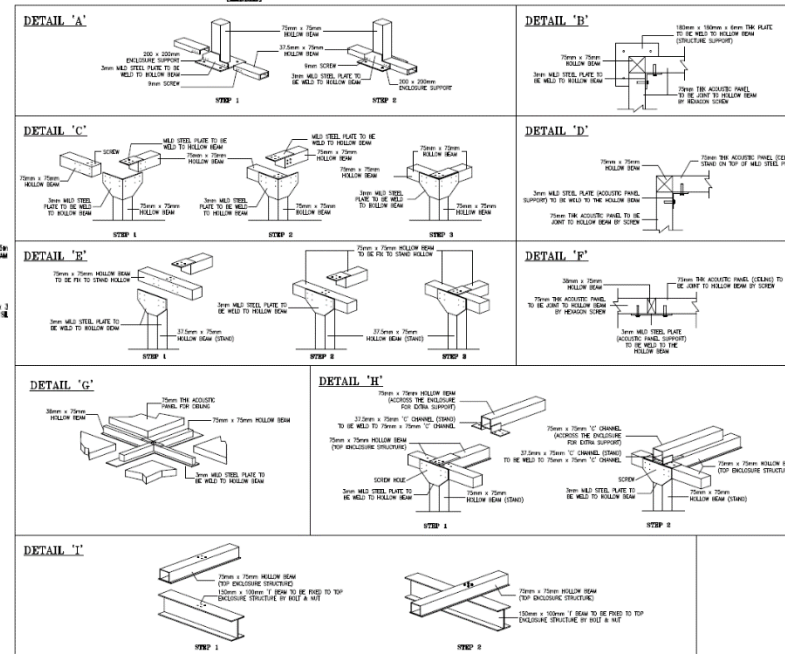
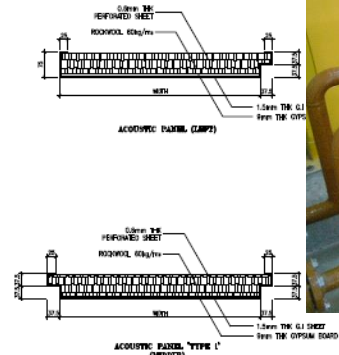
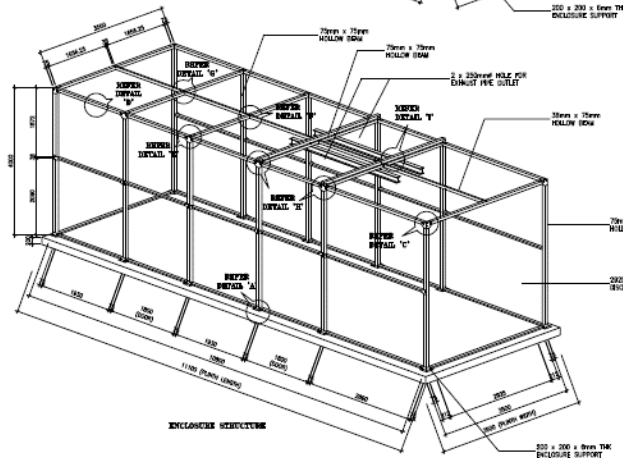
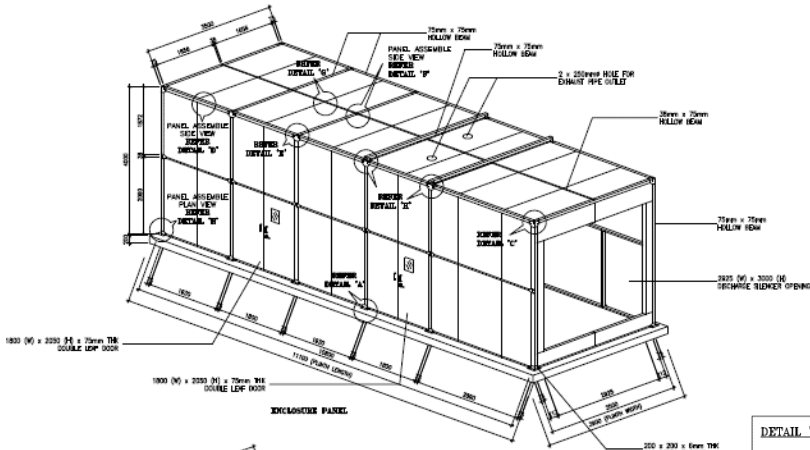
NO. 1, JALAN BUNGA RAYA 6A/2, SEKSYEN BS 4, BUKIT SENTOSA 1,  
48300 RAWANG, SELANGOR D.E., MALAYSIA.

# EDG's Acoustic Treatment Equipment for Toshiba in Jimah Power Plant Project

1. Acoustic Enclosure (L10800 x W3500 x H4000) for Cummins QSK60G3 Genset, c/w Intake (L1200 x W3250 x H3500) & Discharge Silencer (L1500 x W2925 x H3000)
2. 18,000 Liters Diesel Fuel Oil Tank (Dia.2100 x L5450)
3. Exhaust Silencer EXP-S250 (Dia.760 x L2365) & EXS-E250 (Dia.550 x L1830)
4. Fuel piping & related instrumentations



# EDG's Acoustic Treatment Equipment for Toshiba in Jimah Power Plant Project





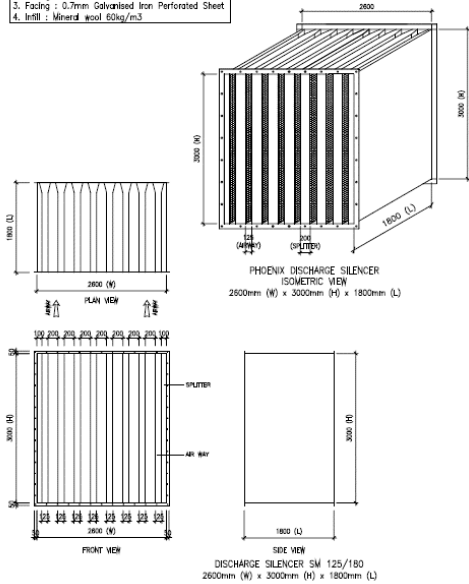
# EDG's Acoustic Treatment Equipment for Toshiba in PDP2 Power Project

1. Intake (L1800 x W2925 x H3000) & Discharge Silencer (L1800 x W2600 x H3000) for Cummins QSK60G3 Generator Set
2. 1,000 Gallons Diesel Fuel Oil Tank (L1500 x W2400 x H1500)
3. Exhaust Silencer EXP-S350 (Dia.970 x L3050) & EXS-E350 (Dia.750 x L2400)
4. Acoustic Doors BADD50 (W2400 x H3000 x thk.50) & BADS50 (W1200 x H2100 x thk.50)
5. Fuel piping & related instrumentations

# EDG's Acoustic Treatment Equipment for Toshiba in PDP2 Power Project

## MATERIAL SPECIFICATION

1. Flanges : 50mm Galvalised Angle Iron
2. Coating : 1.2mm Galvalised Iron
3. Facing : 0.7mm Galvalised Iron Perforated Sheet
4. Insul : Mineral wool 60kg/m<sup>3</sup>

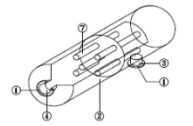


## MATERIAL SPECIFICATION

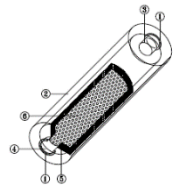
| TAG | DESCRIPTION      | MATERIAL                     |
|-----|------------------|------------------------------|
| 1   | FLANGE           | 50mm DIA. BS 10K FLANGE      |
| 2   | SHELL / CASING   | 3mm THK. WLD STEEL PLATE     |
| 3   | INLET NOZZLE     | 3mm THK. WLD STEEL PLATE     |
| 4   | OUTLET NOZZLE    | 3mm THK. WLD STEEL PLATE     |
| 5   | INFL             | ROCKWOOL 60kg/m <sup>3</sup> |
| 6   | PERFORATED SHEET | 0.4mm THK. S.S. PLATE        |
| 7   | INTERNAL PIPE    | 150mm DIA. x 1100mm (L) PIPE |

## EXHAUST SILENCER PAINTING SPECIFICATION

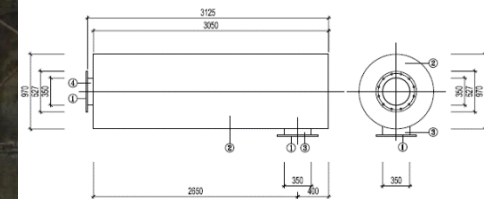
|                      |                            |
|----------------------|----------------------------|
| SURFACE PREPARATION: | SAB-5                      |
| PRIMER:              | : JOTAZING                 |
| FINISHING:           | : SOLVALITT HEAT RESISTANT |



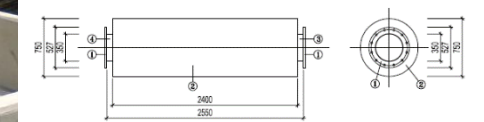
EXP-S 350 PRIMARY  
PHOENIX EXHAUST SILENCER  
970mm (ø) x 3050mm (L)  
WEIGHT : 640 kg



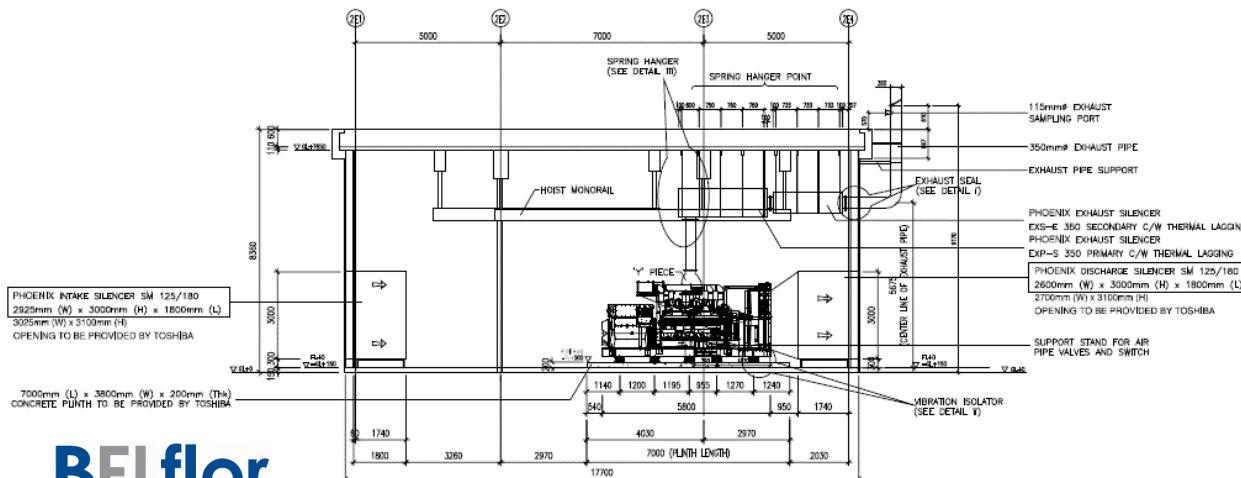
EXP-S 350 SECONDARY  
PHOENIX EXHAUST SILENCER  
750mm (ø) x 2400mm (L)  
WEIGHT : 250 kg



EXP-S 350 PRIMARY  
PHOENIX EXHAUST SILENCER



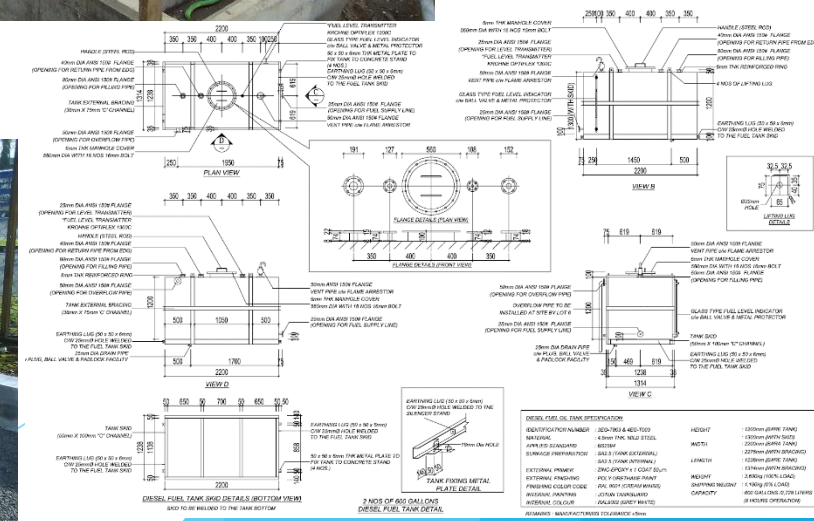
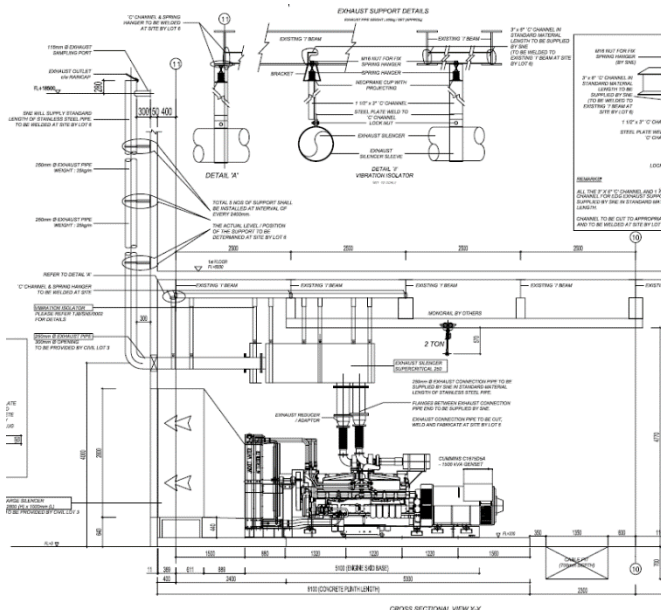
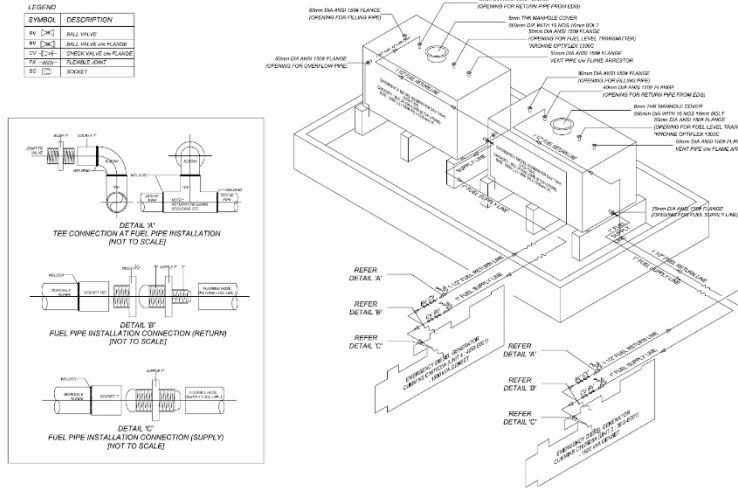
EXP-S 350 SECONDARY  
PHOENIX EXHAUST SILENCER



# EDG's Acoustic Treatment Equipment for Toshiba in TJB Power Project, Indonesia

1. Intake (L1000 x W2800 x H3200) & Discharge Silencer (L1000 x W2600 x H2800) for Cummins KTA50GS8 Generator Set
2. 600 Gallons Diesel Fuel Oil Tank (L1238 x W2200 x H1200)
3. Stainless Steel Exhaust Silencer EXC-S250SS (Dia.850 x L2365)
4. Fuel piping & related instrumentations



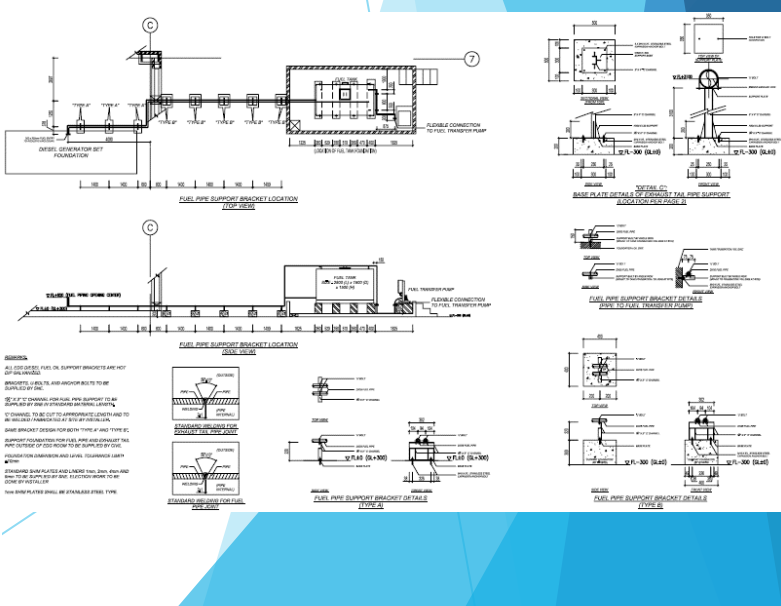
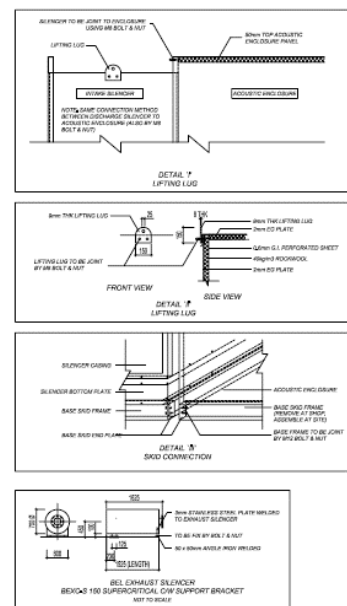
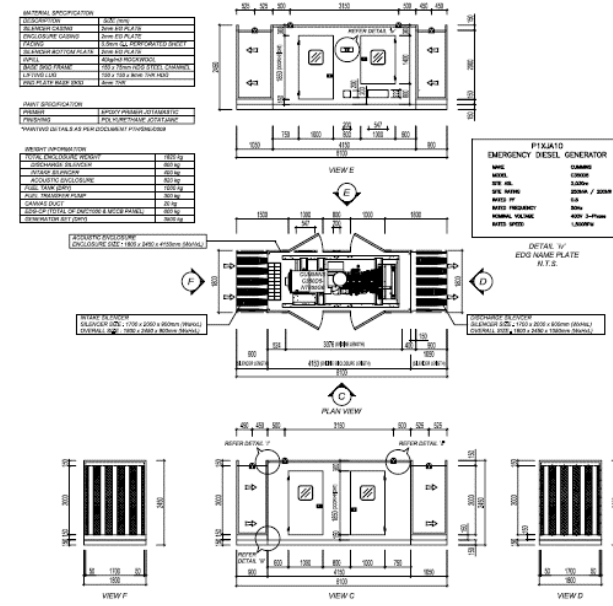
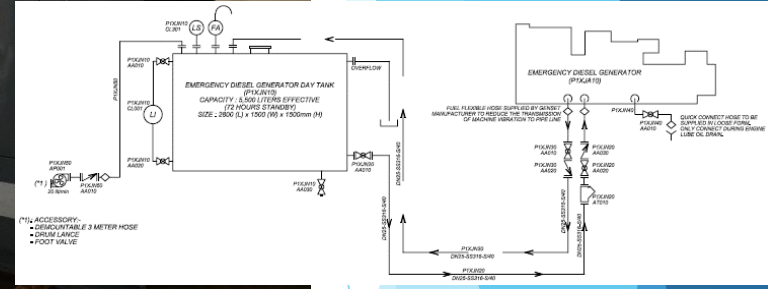
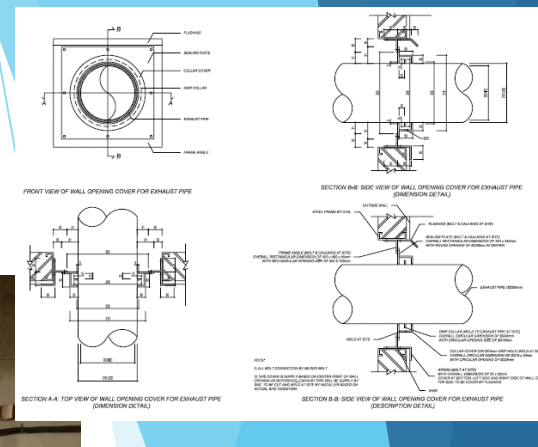
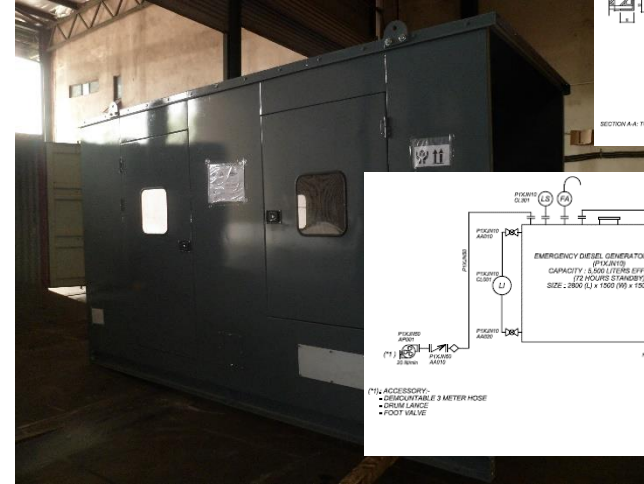


# EDG's Acoustic Enclosure for Toshiba in Patuha Geothermal Power Project, Indonesia

1. Acoustic Enclosure (L6100 x W1800 x H2450) for Cummins NT855G6 Genset, c/w Intake (L900 x W1800 x H2450) & Discharge Silencer (L1050 x W1800 x H2450)
2. 5,500 Liters Diesel Fuel Oil Tank (W2800 x H1500 x L1500)
3. Stainless Steel Exhaust Silencer BEXC-S150 (Dia.700 x L1525)
4. 0.75kW Fuel Transfer Pump
5. Fuel piping & related instrumentations



# EDG's Acoustic Enclosure for Toshiba in Patuha Geothermal Power Project, Indonesia

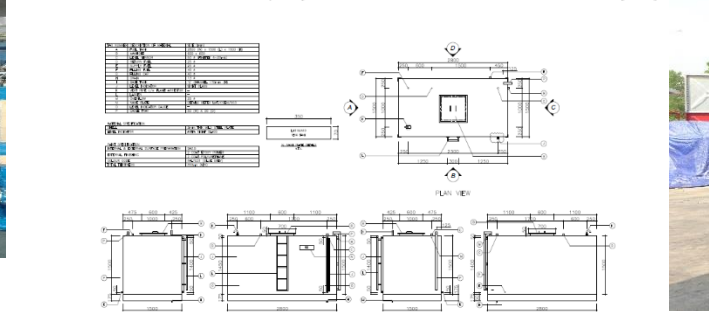
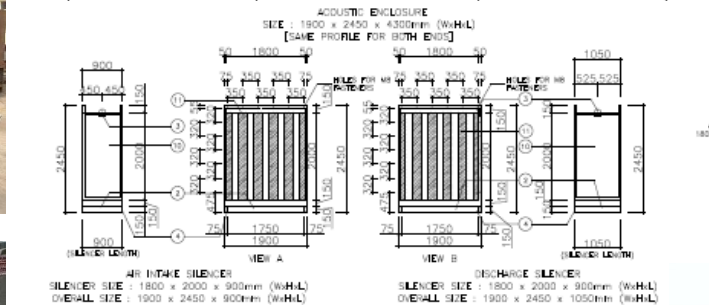
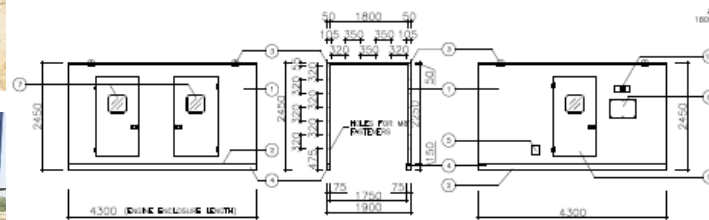
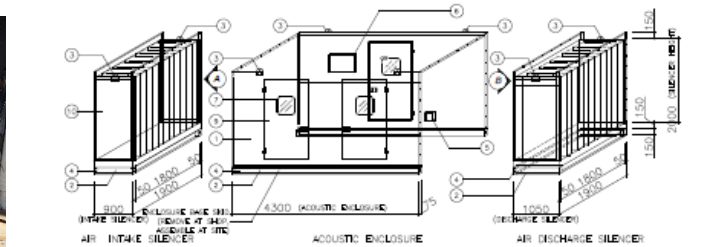




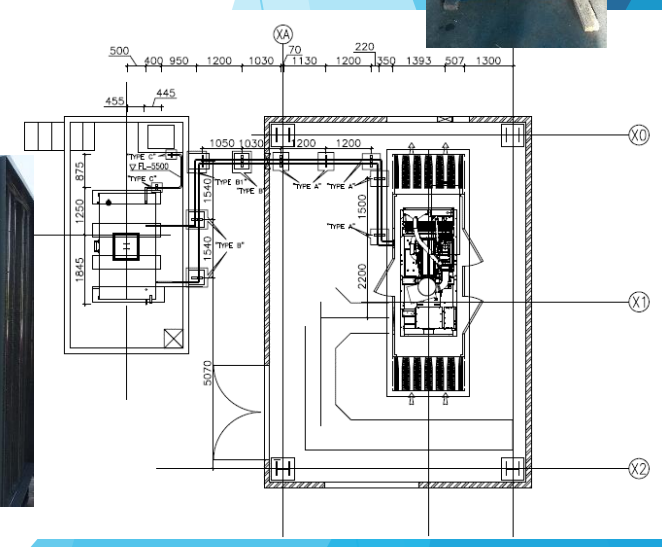
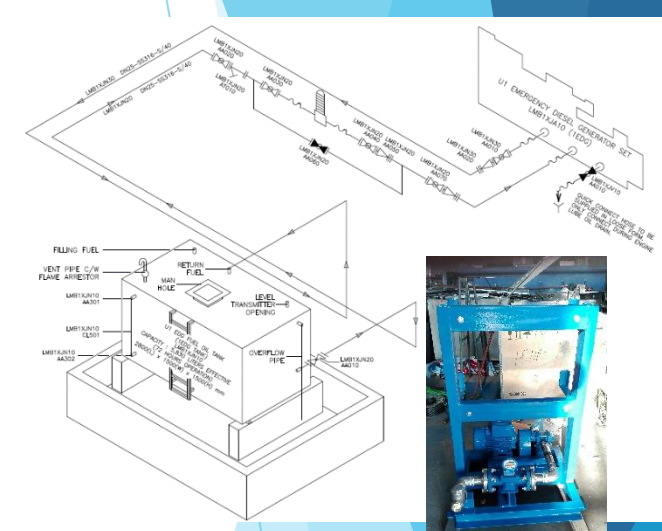
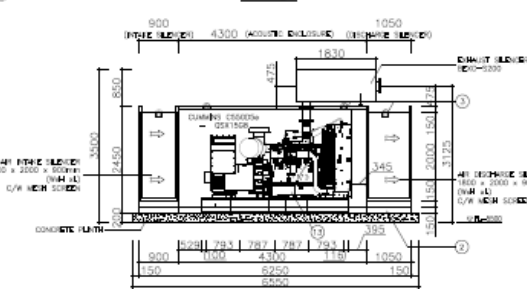
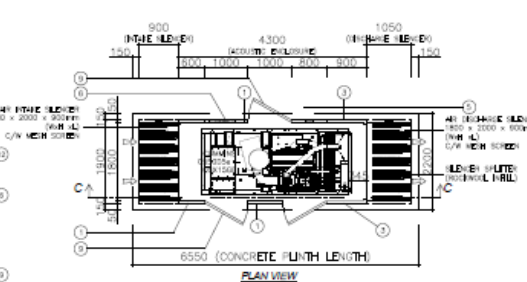
# EDG's Acoustic Enclosure for Toshiba in Lumut Balai Geothermal Power Project, Indonesia

1. Acoustic Enclosure (L6250 x W1900 x H2450) for Cummins C550D5e Genset, c/w Intake (L900 x W1900 x H2450) & Discharge Silencer (L1050 x W1900 x H2450)
2. 5,830 Liters Diesel Fuel Oil Tank (W2800 x H1500 x L1500)
3. Stainless Steel Exhaust Silencer BEXC-S200 (Dia.750 x L1830)
4. 0.75kW Fuel Transfer Pump
5. Fuel piping & related instrumentations

# EDG's Acoustic Enclosure for Toshiba in Lumut Balai Geothermal Power Project, Indonesia



| NO. | DESCRIPTION            | REMARKS                   |
|-----|------------------------|---------------------------|
| 1   | ACOUSTIC ENCLOSURE     | 70 TH                     |
| 2   | AIR INTAKE SILENCER    | 150 x 200 x 900mm (WxHxL) |
| 3   | AIR DISCHARGE SILENCER | 150 x 200 x 900mm (WxHxL) |
| 4   | ACOUSTIC ENCLOSURE     | 70 TH                     |
| 5   | ACOUSTIC ENCLOSURE     | 70 TH                     |
| 6   | ACOUSTIC ENCLOSURE     | 70 TH                     |
| 7   | ACOUSTIC ENCLOSURE     | 70 TH                     |
| 8   | ACOUSTIC ENCLOSURE     | 70 TH                     |
| 9   | ACOUSTIC ENCLOSURE     | 70 TH                     |
| 10  | ACOUSTIC ENCLOSURE     | 70 TH                     |
| 11  | ACOUSTIC ENCLOSURE     | 70 TH                     |
| 12  | ACOUSTIC ENCLOSURE     | 70 TH                     |
| 13  | ACOUSTIC ENCLOSURE     | 70 TH                     |

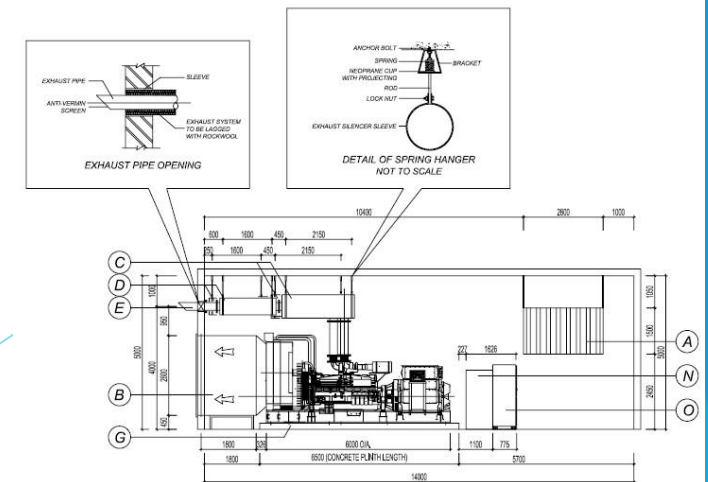
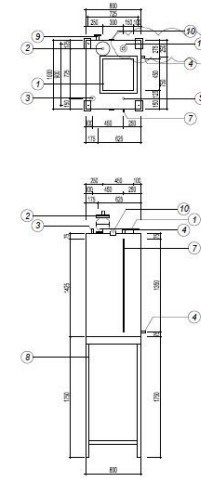
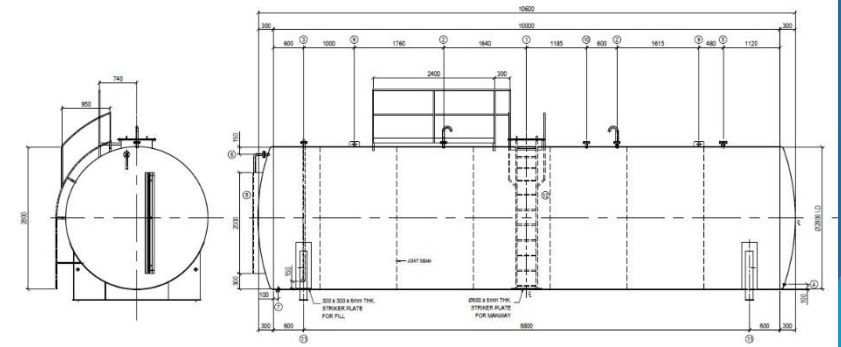
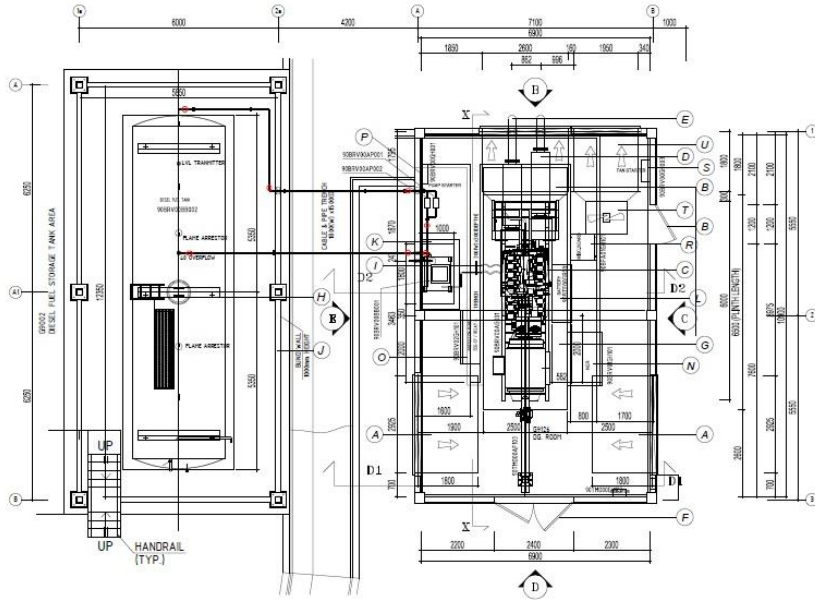


# EDG's Acoustic Treatment Equipment for Alstom in Hulu Terengganu Hydroelectric Project

1. Intake (L1800 x W2600 x H1500) & Discharge Silencer (L1800 x W2600 x H2600) for Cummins KTA50GS8 (1,500kVA) Generator Set
2. 1,000 Liters Diesel Fuel Oil Day Tank (L1800 x W800 x H1500)
3. 66,000 Liters Main Storage Tank (Dia. 2750 x L11000)
4. Exhaust Silencer BEXS-E250 (Dia. 550 x L1830)
5. Acoustic Doors BADD50 (W2400 x H3500 x thk.50)
6. Fuel Transfer Pump, piping & related instrumentations



# EDG's Acoustic Treatment Equipment for Alstom in Hulu Terengganu Hydroelectric Project

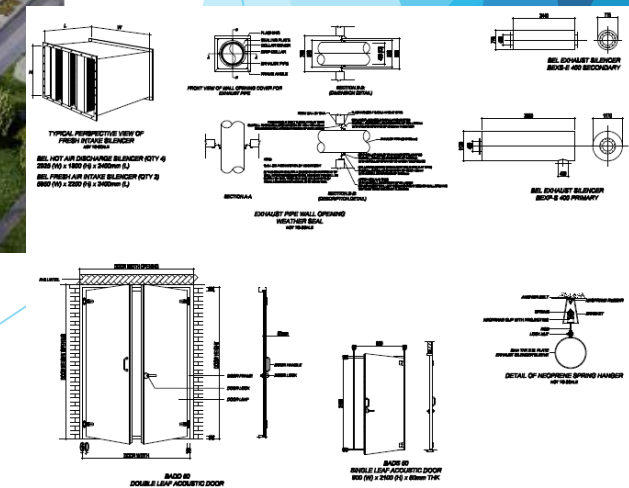
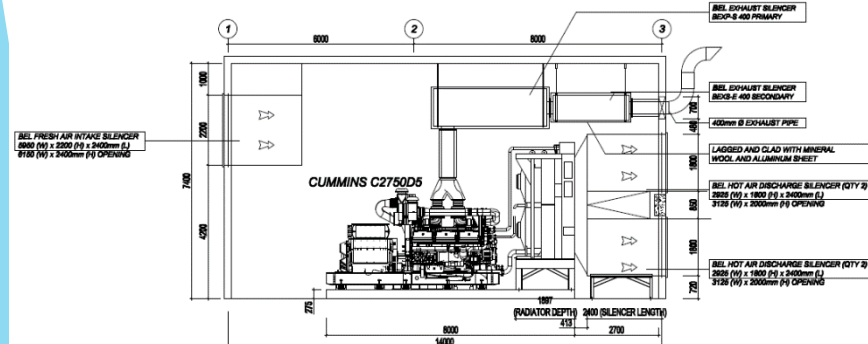
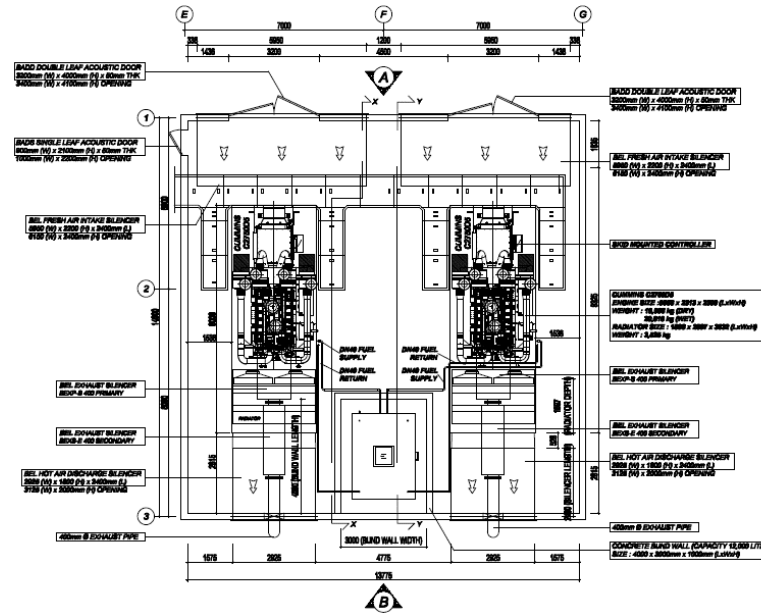


# EDG's Acoustic Treatment Equipment in Pantai 2 Sewage Treatment Plant Project

1. Intake (L2400 x W5950 x H2200) & 2-deck Discharge Silencer (L2400 x W2925 x H1800 x 2 deck) for Cummins C2750D5 Generator Set
2. 10,000 Liters Diesel Fuel Oil Tank (L3000 x W2200 x H1500)
3. Exhaust Silencer BEXP-S400 (Dia.1170 x L3650) & BEXS-E400 (Dia.775 x L2440)
4. Acoustic Doors BADD50 (W3200 x H4000 x thk.50) & BADS50 (W900 x H2100 x thk.50)
5. Fuel piping & related instrumentations



# EDG's Acoustic Treatment Equipment in Pantai 2 Sewage Treatment Plant Project

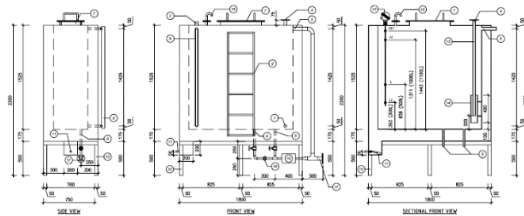
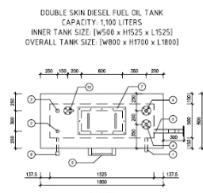
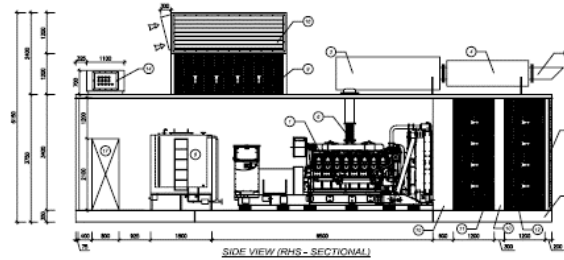
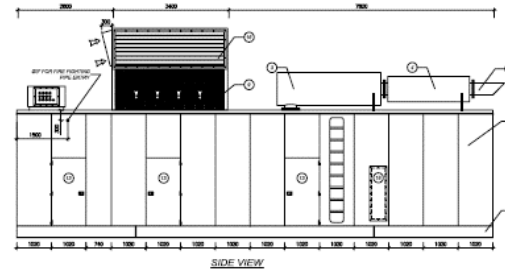
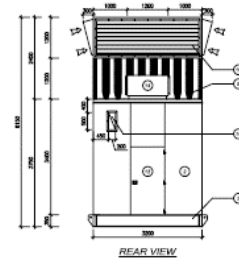
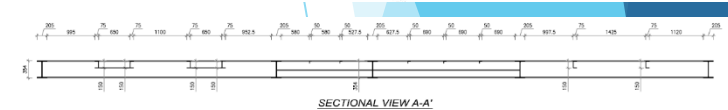
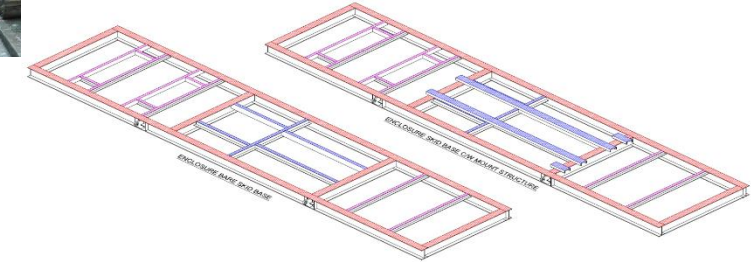
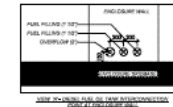
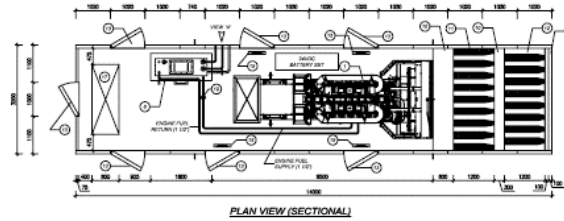




# EDG's Acoustic Enclosure for Sime Darby in VADS Data Centre, Nusajaya Project

1. Acoustic Enclosure (L14000 x W3200 x H6150) for CAT3516 2000kVA Genset, c/w Top Intake (L1200 x W3200 x H3200) & Double Stage Discharge Silencer (L1200 x W3000 x H3300)
2. 1,000 Liters Double Layer Diesel Fuel Oil Tank (W800 x H1700 x L1800)
3. Exhaust Silencer EXP-S350 (Dia.970 x L3050) & EXS-E350 (Dia.750 x L2400)
4. Fuel piping & related instrumentations

# EDG's Acoustic Enclosure for Sime Darby in VADS Data Centre, Nusajaya Project

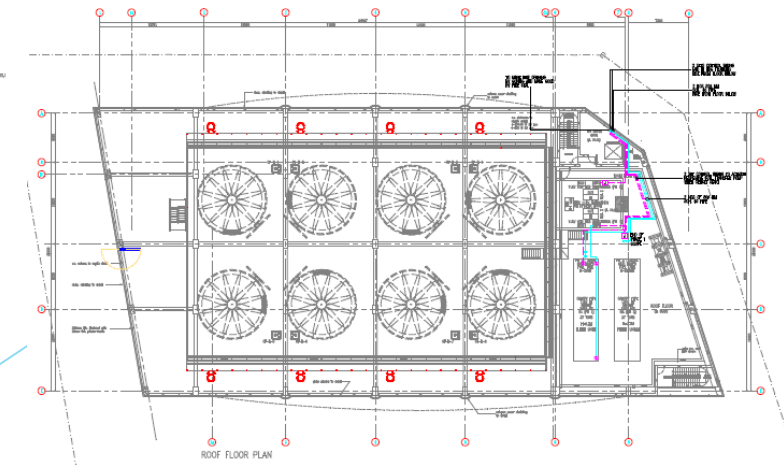
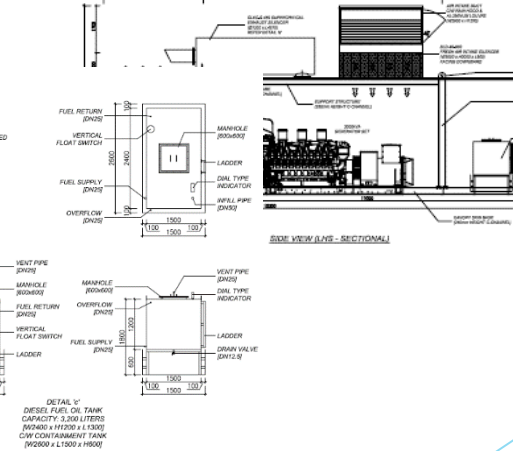
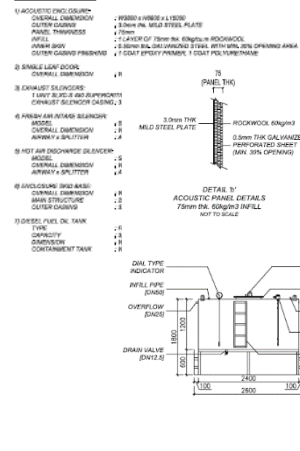
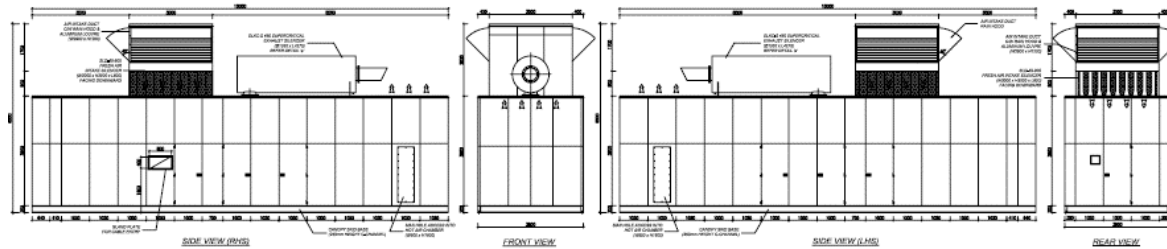
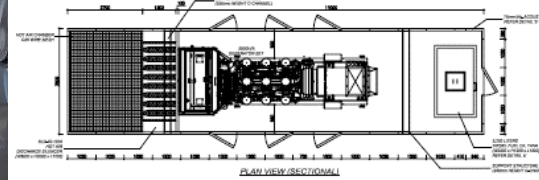
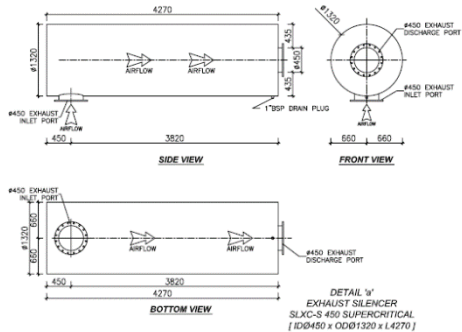


# EDG's Acoustic Enclosure for MTU in KLCC Phase 2 Project

1. Acoustic Enclosure (L15000 x W3800 x H6800) for MTU 3000kVA Genset, c/w Top Intake (L900 x W3000 x H3000) & Discharge Silencer (L900 x W3000 x H3000)
2. 3,200 Liters Diesel Fuel Oil Tank (W2400 x H1200 x L1300) c/w leak containment tank
3. Exhaust Silencer EXC-S450 (Dia.1320 x L4270)



# EDG's Acoustic Enclosure for MTU in KLCC Phase 2 Project

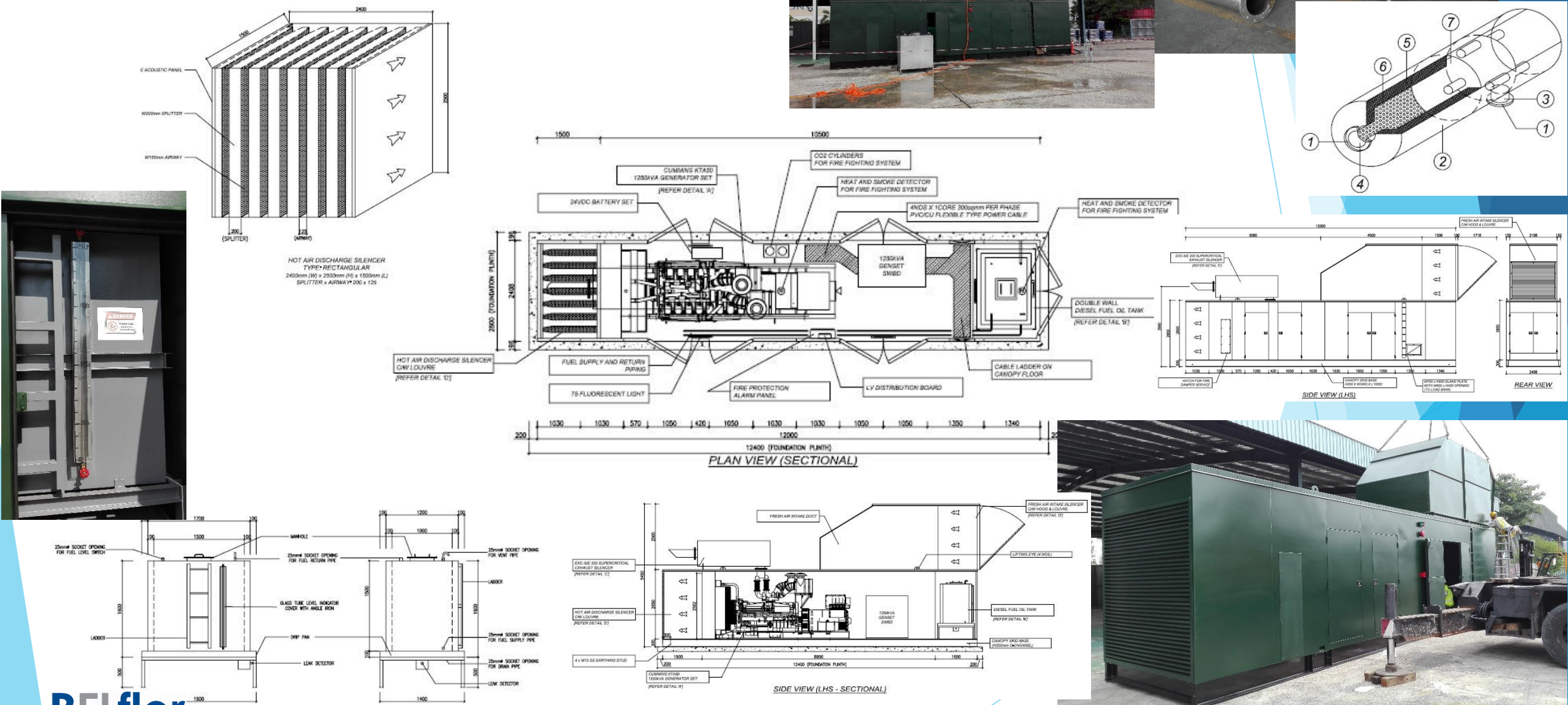


# EDG's Acoustic Enclosure in Kuantan Resin Plant Project

1. Acoustic Enclosure (L12000 x W2400 x H5400) for Cummins KTA50 1250kVA Genset, c/w Top Intake (L1500 x W1900 x H2400) & Discharge Silencer (L1500 x W2400 x H2500)
2. 2,000 Liters Double Layer Diesel Fuel Oil Tank (W1700 x H1600 x L1200) c/w Drip Pan
3. Exhaust Silencer BEXC-S300 (Dia.970 x L2770)



# EDG's Acoustic Enclosure in Kuantan Resin Plant Project

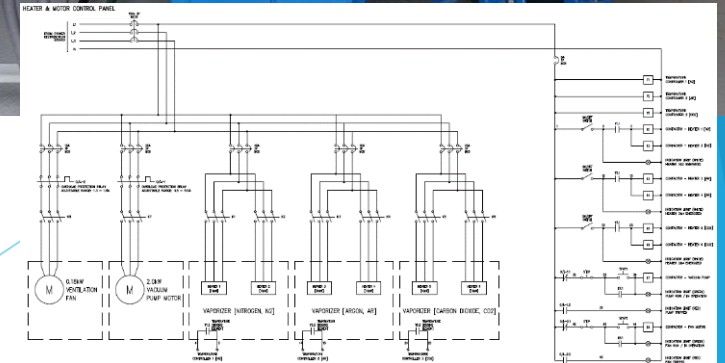
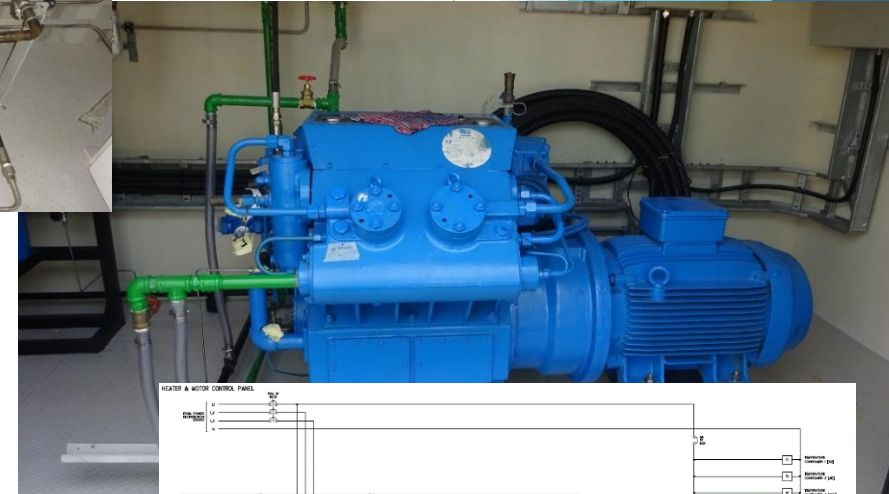
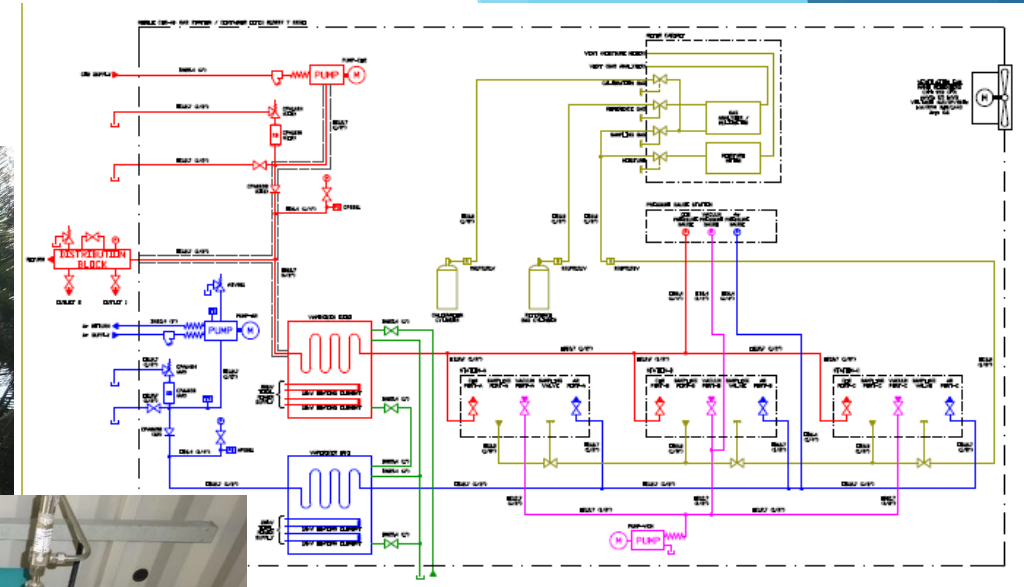




# Containerized Gas Filling Station

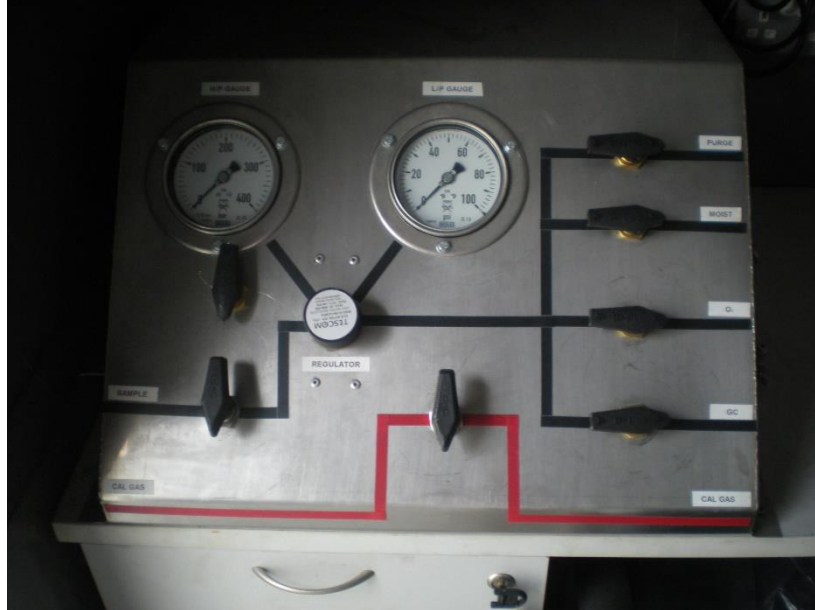
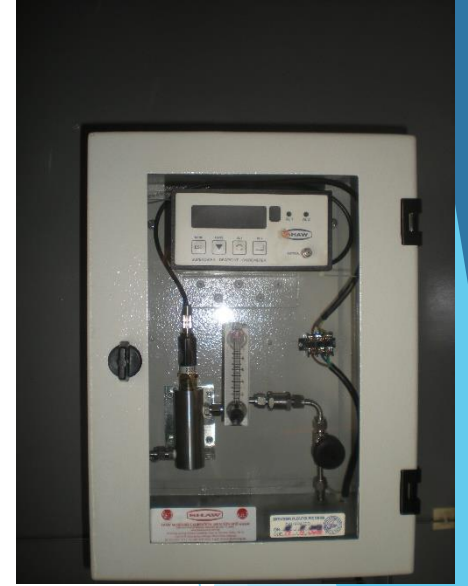
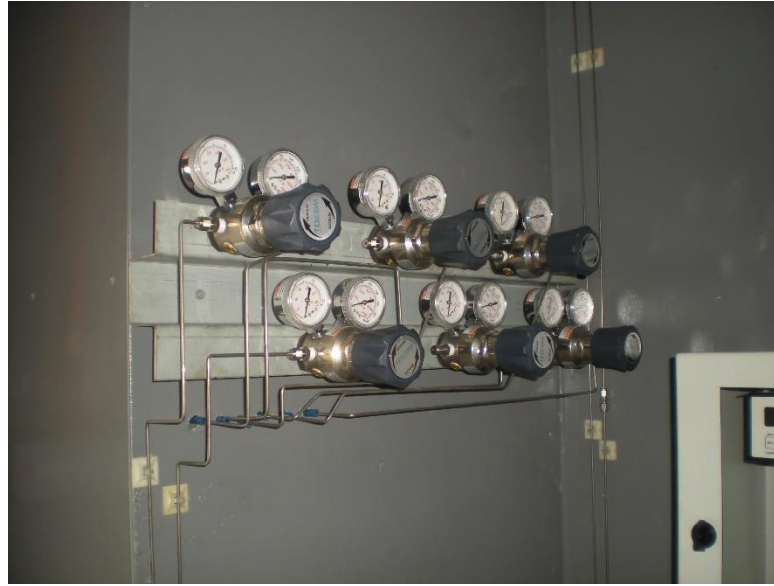
1. 40ft container type Argon, CO<sub>2</sub>, & Nitrogen gas filling station
2. 40ft container type Helium gas filling station c/w laboratory room
3. 20ft container type Argon & CO<sub>2</sub> gas filling station
4. 20ft container type Oxygen gas filling station

# Containerized Gas Filling Station





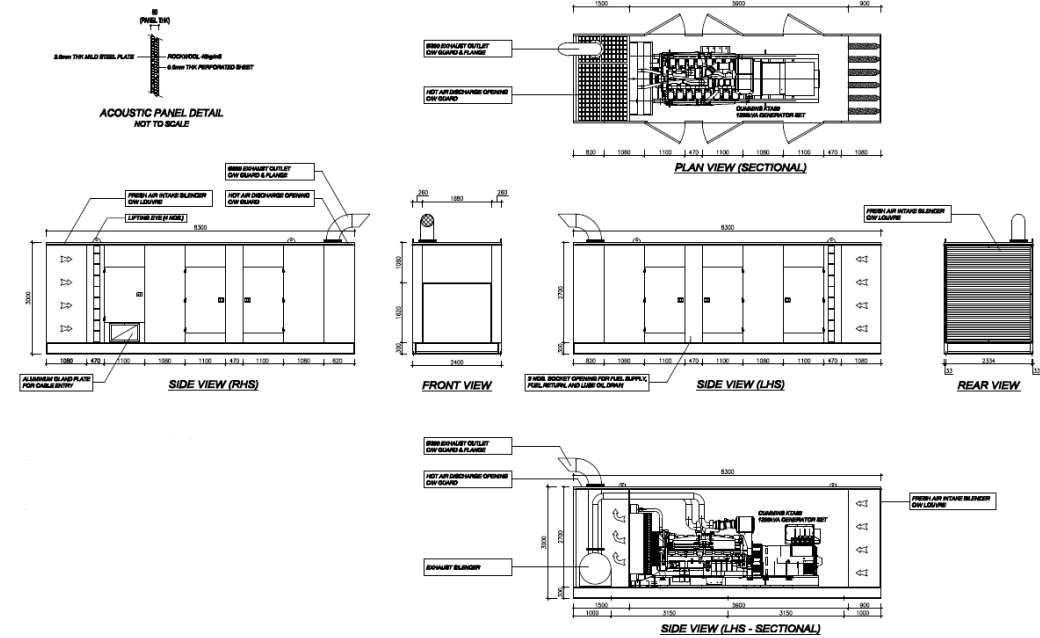
# Containerized Gas Filling Station





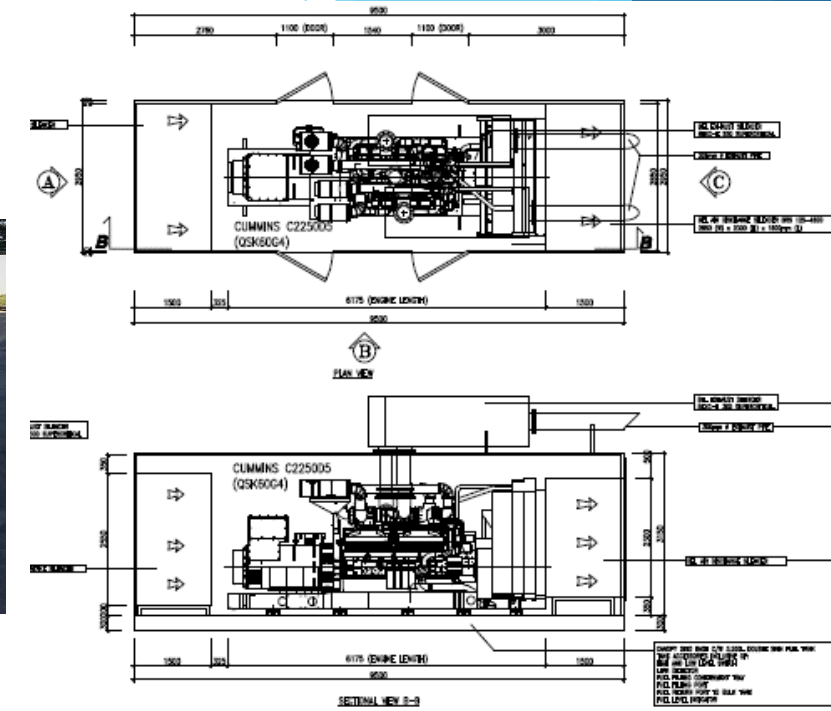
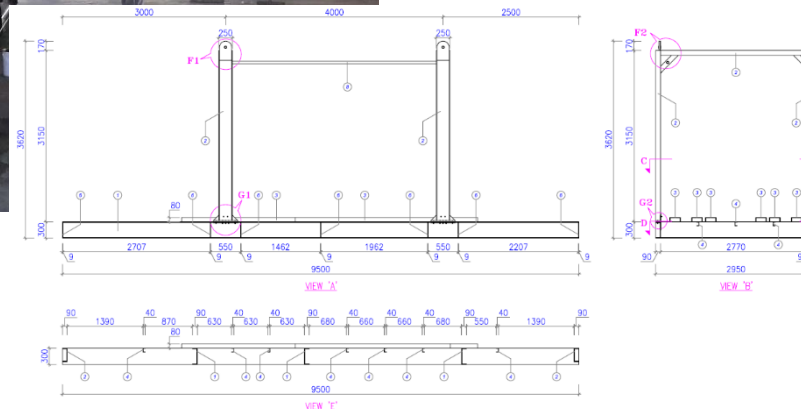
# Silent Type Canopy for EDG of Jana Landfeld Project

## 1. Silent Type Canopy (L8300 x W2400 x H2700)



# Acoustic Type Canopy for EDG of HP Project

## 1. Acoustic Type Canopy for Cummins 2000kVA QSK60 EDG (L9500 x W2950 x H3150)



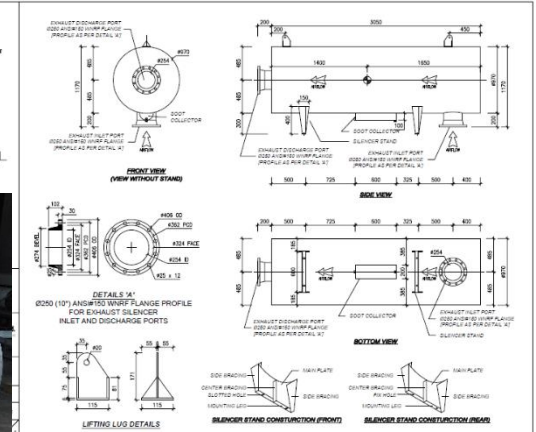
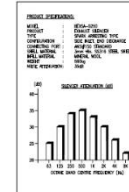
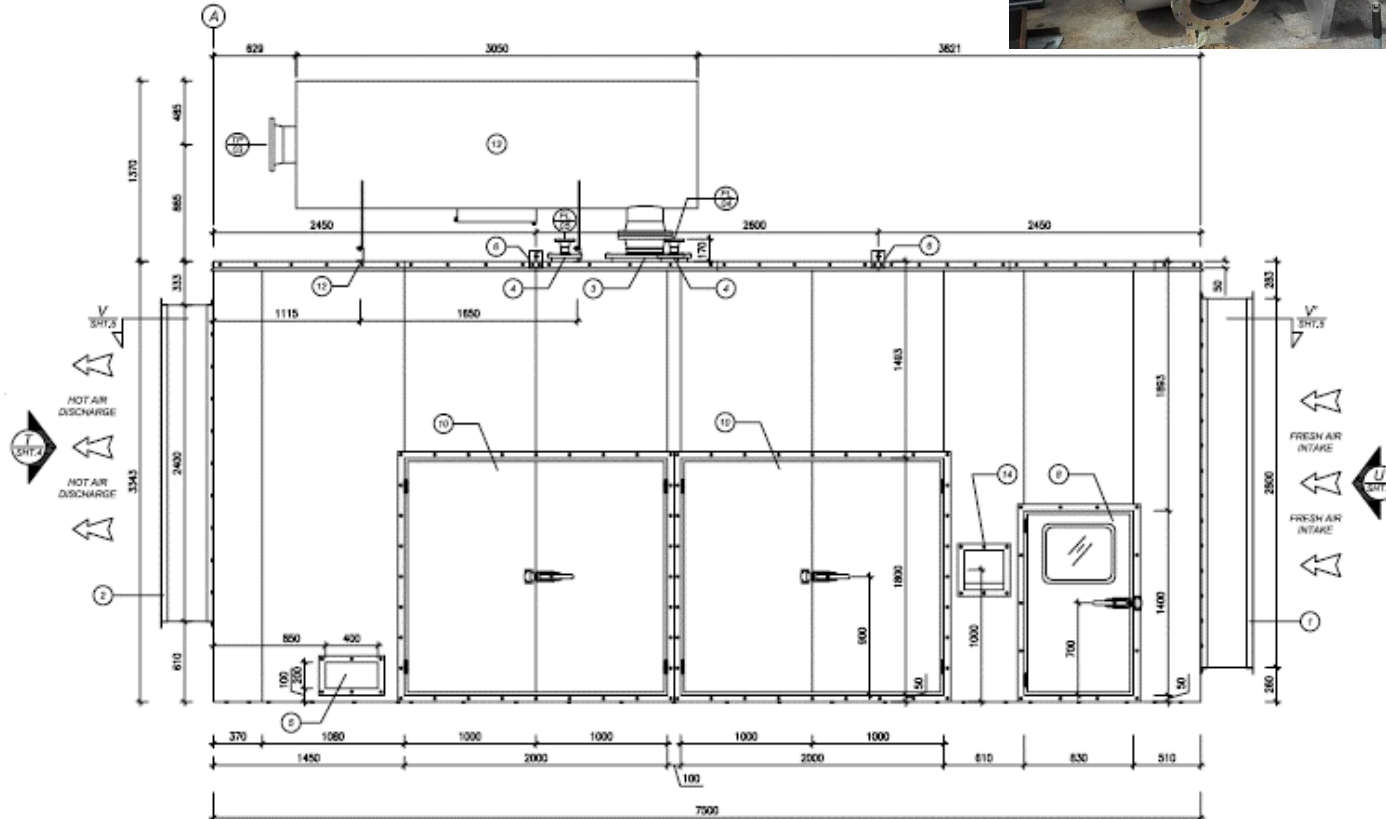


# Acoustic Enclosure for EDG of Baronia Project

1. Acoustic Enclosure (L7500 x W2880 x H3343)  
c/w Intake & Discharge Silencer

**EQUIPMENT DETAILS:**  
ACCESSORY ENCLOSURE FOR GENERATOR SET  
DIMENSIONS: 5000 x 1733 x 1700  
SKIDBASE: N/A  
WEIGHT: 3,600g  
PANEL OUTER SHELL: 3mm PA MILD STEEL PLATE  
PANEL INLET: 50mm BK 45DEG ROUGHOD  
PANEL INNER SHELL: 0.6mm SA PERFORATED SHEET  
FINISH: 1 COAT EPOXY PRIMER  
1 COAT POLYURETHANE

|     |                                               |                                                                                                                                                                            |
|-----|-----------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1)  | FRESH AIR INTAKE SLEEVES                      | <ul style="list-style-type: none"> <li>1 RECTANGULAR SLEAVES</li> <li>SLEEVE SIZE: 2400 x 2800 (MM)</li> <li>LENGTH: 750mm</li> </ul>                                      |
| 2)  | HOT AIR DISCHARGE SLEEVES                     | <ul style="list-style-type: none"> <li>1 RECTANGULAR SLEAVES</li> <li>SLEEVE SIZE: 2400 x 2400 (MM)</li> <li>LENGTH: 750mm</li> </ul>                                      |
| 3)  | DOOR ENTRY FOR EXHAUST DRAINING               | <ul style="list-style-type: none"> <li>1 DOOR</li> <li>DOOR SIZE: 280 x 280</li> </ul>                                                                                     |
| 4)  | DOOR ENTRY FOR HOT DRAINING                   | <ul style="list-style-type: none"> <li>1 DOOR</li> <li>DOOR SIZE: 280 x 280</li> </ul>                                                                                     |
| 5)  | WALL ENTRY FOR HYDRAULIC TEST SYSTEM DRAINING | <ul style="list-style-type: none"> <li>1 WOOD x 4000</li> </ul>                                                                                                            |
| 6)  | DOOR JOINT COVER                              |                                                                                                                                                                            |
| 7)  | ACOUSTIC DOOR                                 | <ul style="list-style-type: none"> <li>1 DOUBLE LEAF</li></ul>                                                                                                             |
| 8)  | ACOUSTIC DOOR                                 | <ul style="list-style-type: none"> <li>1 DOUBLE LEAF</li></ul>                                                                                                             |
| 9)  | ACOUSTIC DOOR                                 | <ul style="list-style-type: none"> <li>1 DOUBLE LEAF</li></ul>                                                                                                             |
| 10) | ACOUSTIC DOOR                                 | <ul style="list-style-type: none"> <li>1 DOUBLE LEAF</li></ul>                                                                                                             |
| 11) | ACOUSTIC DOOR                                 | <ul style="list-style-type: none"> <li>1 DOUBLE LEAF</li></ul>                                                                                                             |
| 12) | EXHAUST SLEEVES SUPPORT                       |                                                                                                                                                                            |
| 13) | SS316 CORROSION PROOF                         | <ul style="list-style-type: none"> <li>1 BRANK ARMRESTING TUBE</li> <li>INLET: 1/2" NPT, 3/4" NPT AND 1/2" NPT</li> <li>OUTLET: 1/2" NPT, 3/4" NPT AND 1/2" NPT</li> </ul> |
| 14) | POCKET FOR A-STOP AND LIGHTING SWITCH         | <ul style="list-style-type: none"> <li>1 WOOD x 1000 x 200</li> </ul>                                                                                                      |





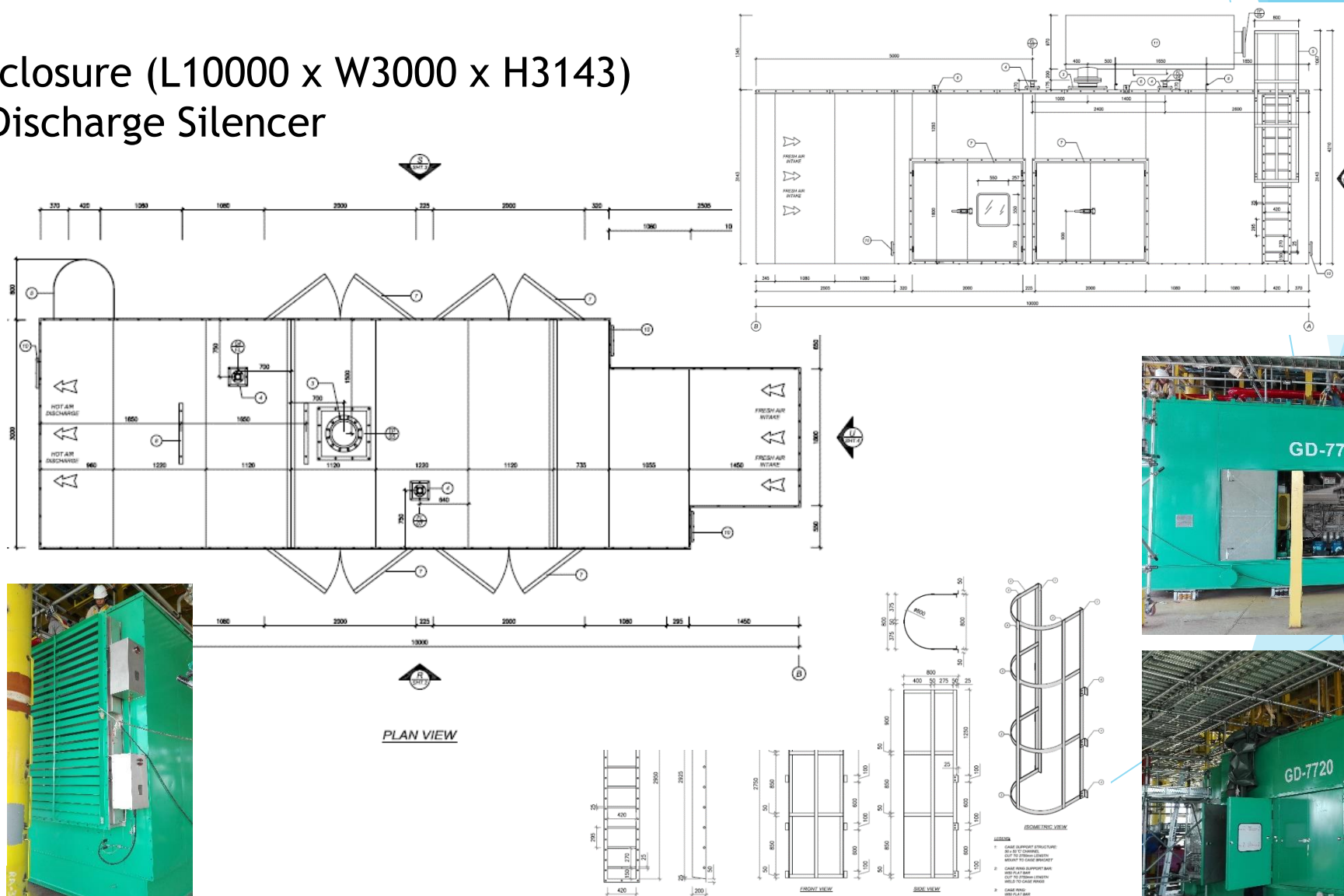
# Acoustic Enclosure for EDG of SK310 Project

## 1. Acoustic Enclosure (L10000 x W3000 x H3143) c/w Intake & Discharge Silencer

**EQUIPMENT DETAILS:**  
ACOUSTIC ENCLOSURE FOR GENERATOR SET  
DIMENSION: W3000 x H3143 x L10000  
SKIDBASE: NIL  
PANEL OUTER SHELL: 2mm thk. EG PLATE  
PANEL INFILL: 50mm thk. 40kg/m<sup>3</sup> ROCKWOOL  
PANEL INNER SHELL: 0.6mm thk. PERFORATED SHEET  
1st COAT : EPOXY ZINC RICH 75 micron  
2nd COAT : HIGH SOLID EPOXY 150 micron  
3rd COAT : POLYURETHANE 50 micron  
FINISH COLOUR : MID GREEN 14-E-53  
BOLTING : FLOURO CARBON COATED TYPE

### LEGEND:

- 1) FRESH AIR INTAKE SILENCER  
TYPE : RECTANGULAR SILENCER  
SILENCER SIZE : 1700 x 2950 (WxH)  
LENGTH : 1300mm
- 2) HOT AIR DISCHARGE SILENCER  
TYPE : RECTANGULAR SILENCER  
SILENCER SIZE : 2300 x 2300 (WxH)  
LENGTH : 1500mm
- 3) CEILING ENTRY FOR EXHAUST  
OPENING SIZE : 600 x 600
- 4) CEILING ENTRY FOR VENT  
OPENING SIZE : 200 x 200
- 5) LADDER  
TYPE : VERTICAL LADDER  
RUNGS : 25mm SQUARE TUBING  
RUNG'S SPACING : 295mm VERTICAL  
RUNG'S WIDTH : 420mm  
SAFETY CAGE : W800 x H2737
- 6) CEILING JOINT COVER
- 7) ACOUSTIC DOOR  
TYPE : DOUBLE LEAF  
SIZE : W2000 x H1800
- 8) EXHAUST SILENCER SUPPORT
- 9) POCKET FOR E-STOP AND LIGHTING SWITCH  
SIZE : W300 x H250 x D200
- 10) WALL ENTRY  
(AIR PIPING, HYDRAULIC PIPING, OR CABLE)  
SIZE : W300 X H150
- 11) SS316 EXHAUST SILENCER  
TYPE : SPARK ARRESTING TYPE  
INLET : SIDE, 12" ANSI#150 SORF  
OUTLET : END, 14" ANSI#150 SORF



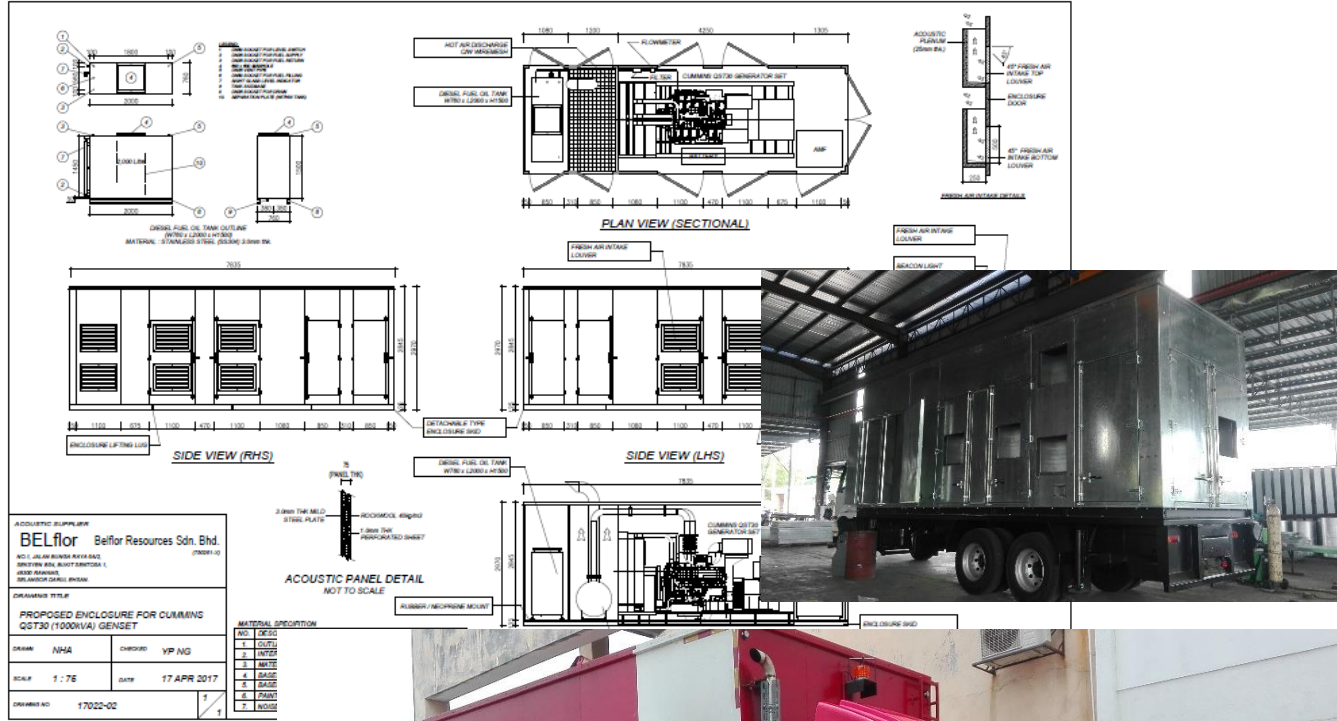


# EDS's Intake & Discharge Silencers for Singapore's Data Center Project

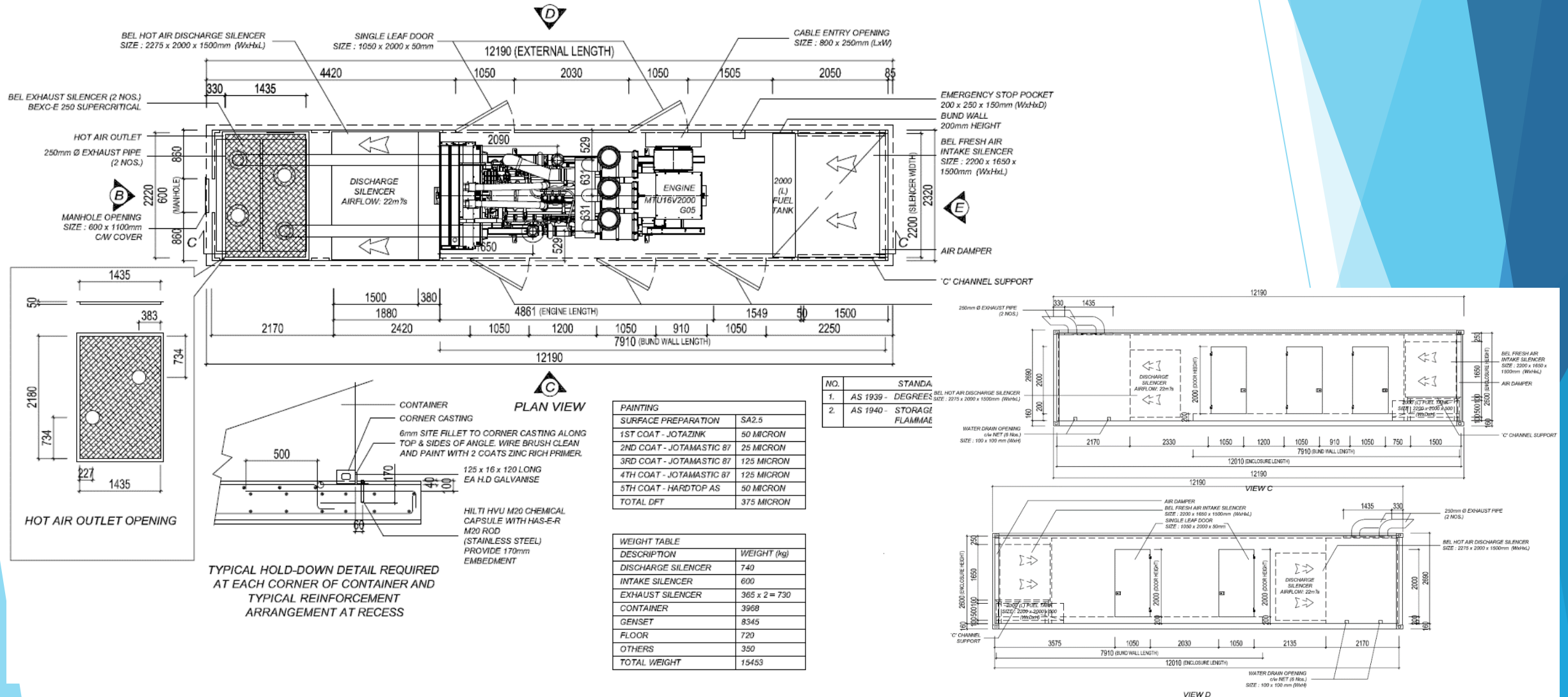




# Acoustic Canopy for TNB Mobile Genset

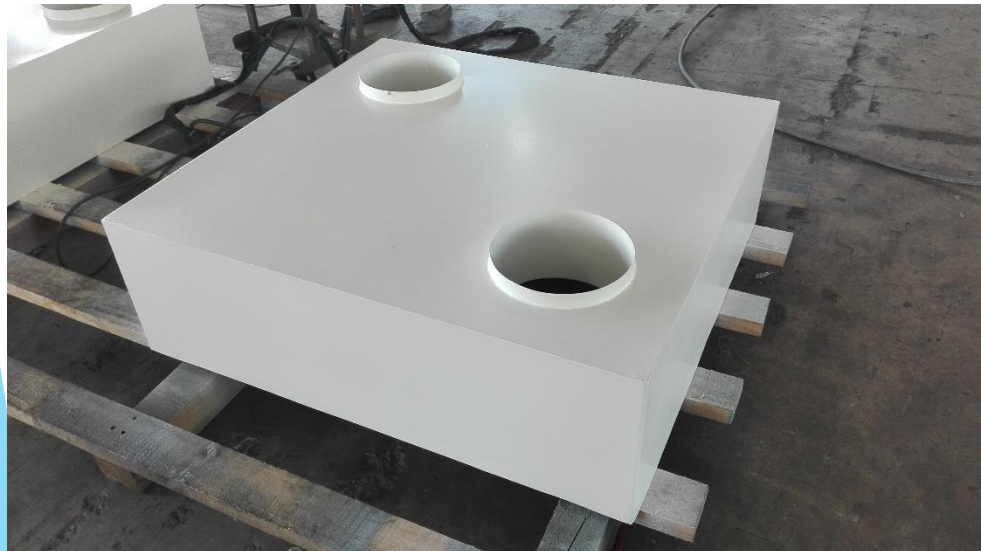


# Containerized Acoustic Canopy for EDG of Tan Burrup Project, Australia





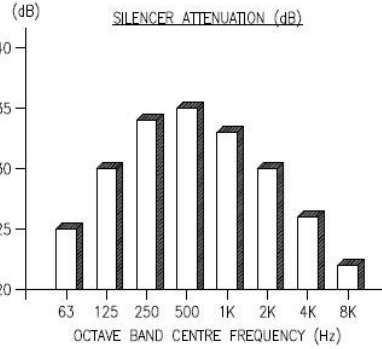
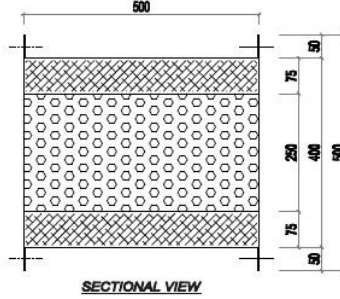
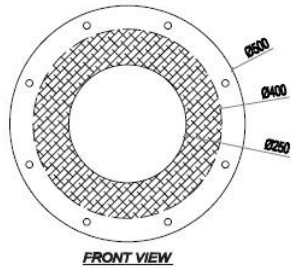
# Audiometry Booth





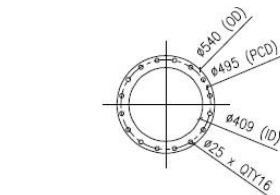
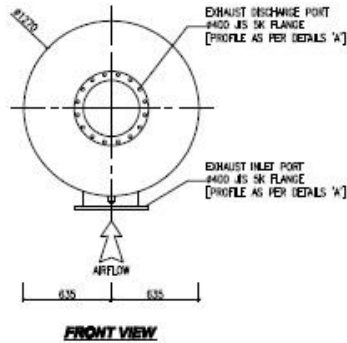
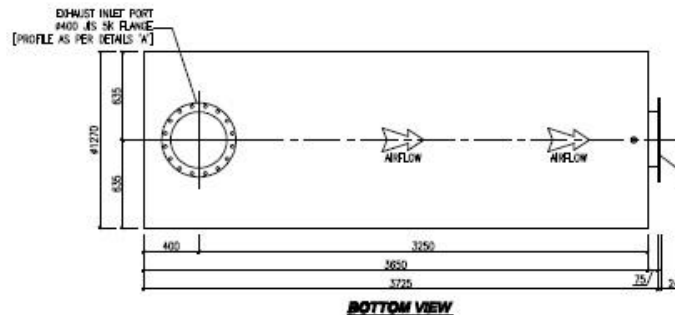
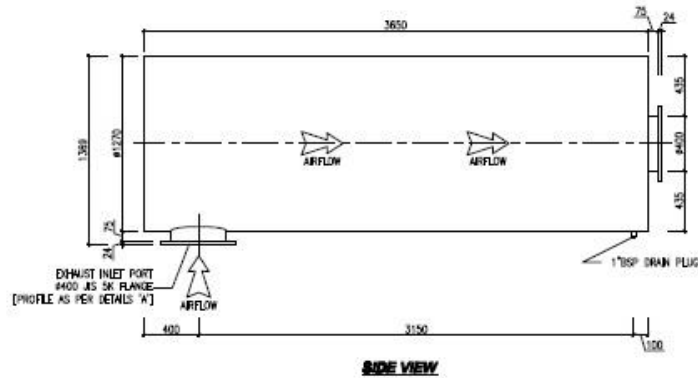
# MISC.

## CIRCULAR SILENCER CS260-1D

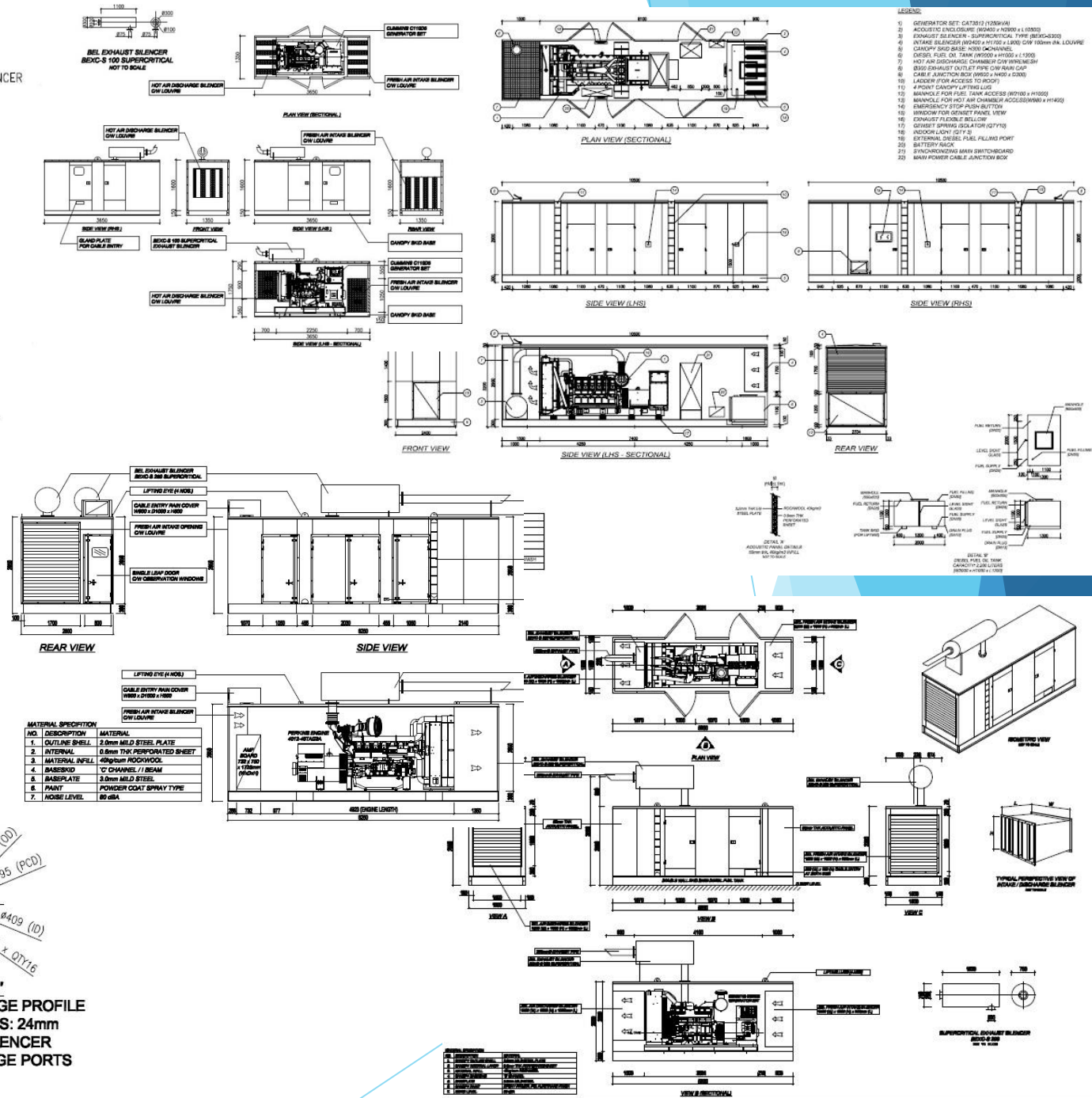


**PRODUCT SPECIFICATIONS:**

MODEL : BEXC-S 400  
 TYPE : SUPERCRITICAL TYPE EXHAUST SILENCER  
 CONFIGURATION : SIDE INLET, END DISCHARGE  
 CONNECTING PORT : JIS 5K STANDARD  
 SHELL MATERIAL : 3mm thk. MILD STEEL SHEET  
 INFILL MATERIAL : MINERAL WOOL  
 WEIGHT : 915kg  
 NOISE ATTENUATION : 35dB



Ø400 (16") JIS 5K FLANGE PROFILE  
 FLANGE THICKNESS: 24mm  
 FOR EXHAUST SILENCER  
 INLET AND DISCHARGE PORTS



# BELflor



# MISC.



**BELflor**