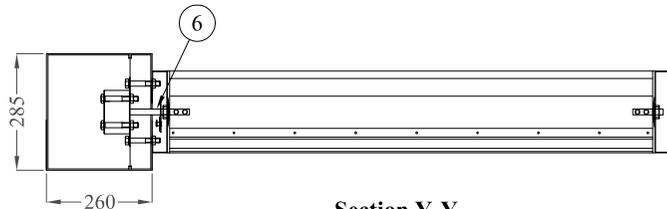
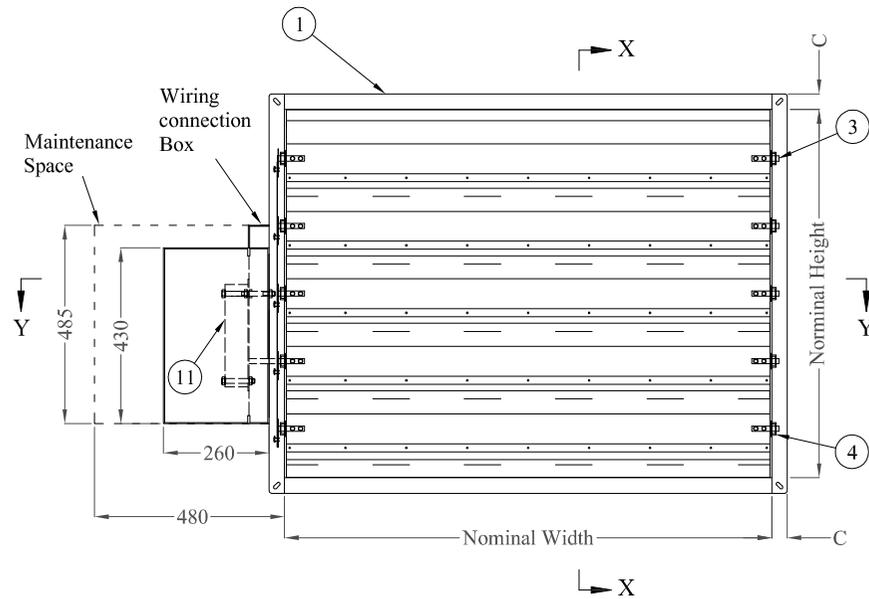
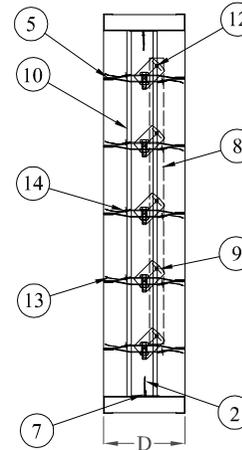


## Submittal



**Section Y-Y**  
(damper blade fully open)



**Section X-X**  
(damper blade fully open)

NO.	DESCRIPTIONS	MATERIALS
1.	Damper Frame	Galvanised Steel 2t/SPGC
2.	Blade Stopper Seal	Stainless Steel 0.15t/SUS 304
3.	Blade Axle	Plated Steel 12.7Sq.
4.	Bush	Two parts bronze
5.	Blade (airfoil shaped)	Galvanised Steel 1.2t or 1.5t/SPGC
6.	Drive Shaft	Stainless Steel/SUS 304
7.	Blade Stopper	Galvanised Steel 1.5t and 2.0t/SPGC
8.	Blade Linkage Bar	Galvanised Steel 4.0t/SPGC (2 x 2.0mm)
9.	Blade Linkage Bracket	Galvanised Steel 2t/SPGC
10.	Jamb Seal	Stainless Steel 0.15t/SUS304
11.	Actuator	Spring return electric actuator
12.	Blade Linkage Pin	Stainless steel Ø8/SUS 304
13.	Blade Edge Seal	Stainless Steel 0.15t/SUS304
14.	Blade Edge Seal Holding Plate	Galvanised Steel 1.5t/SPGC

### Note:

- Damper has been tested to UL555S, Class I leakage and temperature rated at 250°C for 2 hours.
- If damper nominal width or height is greater than 756mm, the flange width C, will be 50mm, otherwise the flange width will be 38mm.
- Standard damper depth, D is 200mm for all sizes except the damper with nominal height 300mm, which D is 250mm.
- Maximum module size subject to operating pressure and operating velocity.

### Damper size:

Min. size: 200 x 200mm

Max. size: 1500 x 1700mm single module; for larger size, damper will be supplied in modules.

### Construction:

- Frames are constructed of hot-dipped galvanized steel with the structure of 'C' channel welded at each corner.
- Blades are constructed of 1.2 or 1.5mm thk. galvanized steel with specially-formed profile to provide rigidity. Number of blade varies with the height of damper.
- Blade Stop: Size and construction of blade stop varies with height of damper.
- Blade linkage is externally mounted on the shaft, out of air stream and pivot on stainless steel pins to prevent seizure.

### Application;

Damper is designed for smoke shield or smoke extract function.

In the interest of product improvement, we reserved the right to make changes without notice.

All dimensions are in mm



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Title :

**Smoke Extract Damper with Spring Return Electric Actuator  
(Model SD18 E) - 1x1 module**

Dwn. By :	Edward Chan	Date :	15/10/2019	Scale :	
Chk. By :	Han Jee				N.T.S
App. By :	Wong wong	Dwg. No. :	DDEEP001-R3		