# SSLFHFD-FFU-RSR
## FAN FILTER UNIT
## ROOMSIDE REPLACEABLE

**AJ MFG.**

AJ MANUFACTURING CO.
8701 ELMWOOD AVE #400 KANSAS CITY, MO 64132
PH: 816.231.5522 FAX: 816.231.8437
TOLL FREE: 800.247.5746
WWW.AJMFG.COM

## STANDARD CONSTRUCTION
- 304 Stainless Steel w/Filter Gel Seal Knife Edge
- Non-Ducted Inlet
- EC Motor with Backward Curved Composite Impeller
- 70mm Gel Seal H14 HEPA Filter - 99.995% on 0.3 μm, Room Side Replaceable
- 51% Perf Face
- Airflow Sensor
- Constant Volume
- Adjustable Face Control
- All-Welded Plenum Seams
- Lay-In / Surface Mounting
- Walkable Plenum up to 250lbs
- Hanger Tabs for Unit Support Above Ceiling

## FEATURE OPTIONS
- ☐ Duct Collar Kit
    - ☐ Round - Size:_____
    - ☐ Oval - Size:_____
    - ☐ Rectangle - Size:_____
        - ☐ Flanged
- ☐ Foil Backed Insulation
    - ☐ 1.5" (R=4.2)
    - ☐ 2.25" (R=6.0)
- ☐ HEPA-Lert Filter Monitor
- ☐ Test Ports
    - ☐ 1 Port
    - ☐ 2 Ports
- ☐ PAO Challenge System
    *(Requires 2 Test Ports)*
- ☐ Continuous Filter Monitoring
- ☐ Touchscreen Wall Control *(Up to 400 Units)*
- ☐ Basic Wall Control *(One Per Unit)*
- ☐ Seismic Hanger Brackets *(See Page 4)*
    *(for use with 3/8" threaded rod by others)*
- ☐ Hinged Face Frame
- ☐ Hard Ceiling Clamping System

## MATERIAL OPTIONS
- ☐ 316 Stainless Steel

## FINISH OPTIONS
- ☐ Polished
- ☐ White Antimicrobial Powder Coat
- ☐ Other: _____

## PRE-FILTER OPTIONS
- ☐ MERV 4 Washable
- ☐ MERV 8 Pleated

## FILTER OPTIONS
- ☐ ULPA Filter - 99.9995% on 0.12 μm

## MOTOR PROGRAM OPTIONS
- ☐ CFM Control
- ☐ RPM Control

## FAN VOLTAGE OPTIONS
- ☐ 120VAC      ☐ 240VAC
- ☐ 208VAC      ☐ 277VAC

## FAN CONTROL OPTIONS
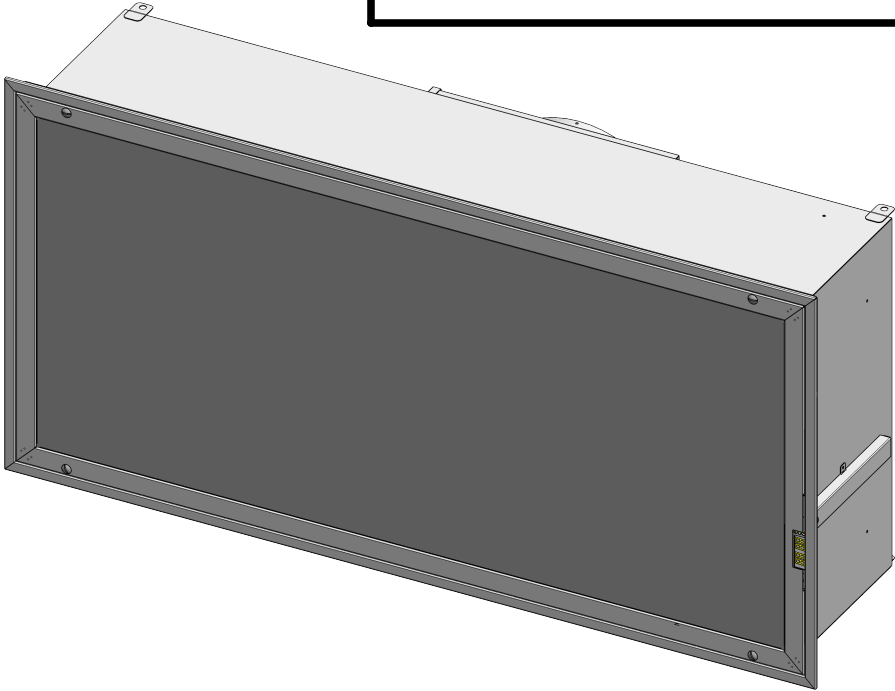- ☐ MODBUS
    - ☐ RTU          ☐ IP
- ☐ BACnet
    - ☐ TCP/IP       ☐ MS/TP
- ☐ 0 - 10VDC Input

## LIGHTING OPTIONS *(See Page 3 of 4 for Additional Details)*
- ☐ Color: White; Preset at 5000K; 90+ CRI
- ☐ Color: White; Preset; 90+ CRI
    - ☐ 2700      ☐ 3000      ☐ 3500      ☐ 4000
    - ☐ 4500      ☐ 5000      ☐ 6500
- ☐ Color: Tunable from 2700K-6500K via 0-10VDC Dimmer; 90+ CRI
- ☐ Other Color:_____
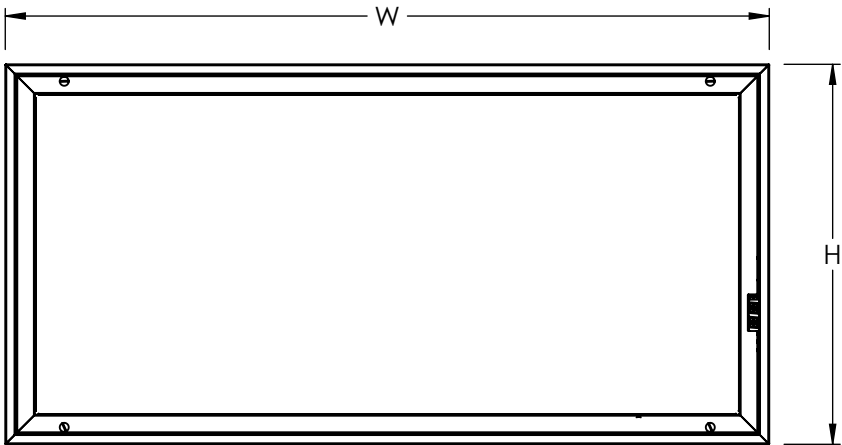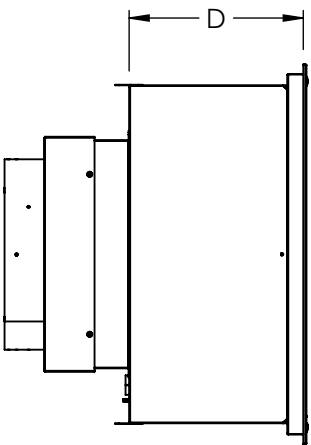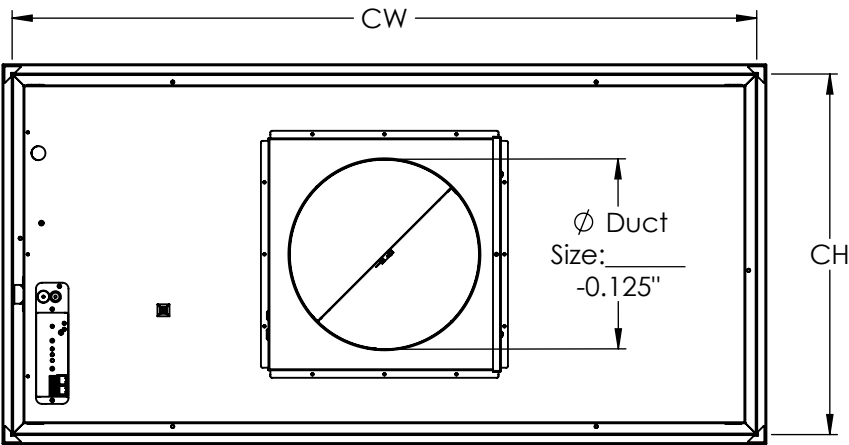- ☐ Battery Backup
    - 20% of Light Output for up to 90 Minutes

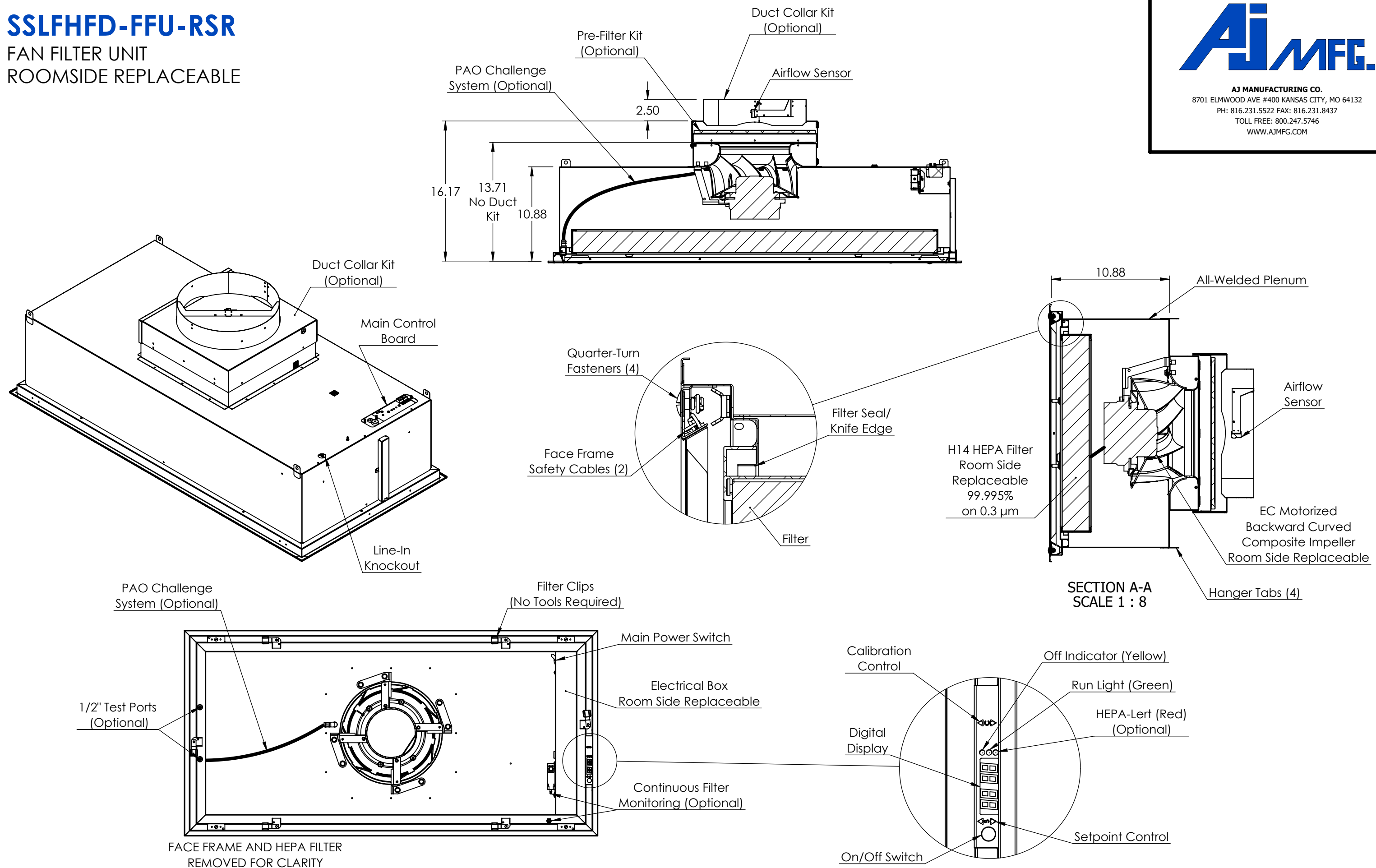| MOTOR/ FAN | FILTER | FILTER MEDIA DEPTH | NOMINAL UNIT SIZE | OVERALL WIDTH (W) | OVERALL HEIGHT (H) | DEPTH (D) | CUTOUT WIDTH (CW) | CUTOUT HEIGHT (CH) | ACTIVE FILTER FACE AREA (SQ.FT.) | MAX CFM | WATTS AT MAX CFM | CFM AT 100 FPM | WATTS AT 100 FPM * | SOUND AT 100 FPM (dBA) | FULL LOAD AMPS (FLA) (120/208/240/277) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ECM-BC | RSR | 70mm | 24 X 24 | 23.75 | 23.75 | 10.88 | 23.00 | 23.00 | 2.00 | 350 | 160 | 200 | 39 | 48 | 2.2/1.59/1.38/1.2 |
| | | | 36 X 24 | 35.75 | 23.75 | 10.88 | 35.00 | 23.00 | 3.42 | 600 | 210 | 342 | 49 | 50 | |
| | | | 48 X 24 | 47.75 | 23.75 | 10.88 | 47.00 | 23.00 | 4.84 | 800 | 230 | 484 | 50 | 51 | |

**\* Based on 60Hz, no Pre-Filter, 0.00" ESP**



Ø Duct Size:_____ -0.125"

# SSLFHFD-FFU-RSR
## FAN FILTER UNIT
## ROOMSIDE REPLACEABLE

AJ MFG.

**AJ MANUFACTURING CO.**
8701 ELMWOOD AVE #400 KANSAS CITY, MO 64132
PH: 816.231.5522 FAX: 816.231.8437
TOLL FREE: 800.247.5746
WWW.AJMFG.COM

PAO Challenge System (Optional)

Pre-Filter Kit (Optional)

Duct Collar Kit (Optional)

Airflow Sensor

2.50

16.17

13.71 No Duct Kit

10.88

Duct Collar Kit (Optional)

Main Control Board

Line-In Knockout

Quarter-Turn Fasteners (4)

Face Frame Safety Cables (2)

Filter Seal/ Knife Edge

Filter

10.88

All-Welded Plenum

H14 HEPA Filter Room Side Replaceable 99.995% on 0.3 μm

Airflow Sensor

EC Motorized Backward Curved Composite Impeller Room Side Replaceable

SECTION A-A
SCALE 1 : 8

Hanger Tabs (4)

PAO Challenge System (Optional)

Filter Clips (No Tools Required)

Main Power Switch

Electrical Box Room Side Replaceable

1/2" Test Ports (Optional)

Continuous Filter Monitoring (Optional)

FACE FRAME AND HEPA FILTER
REMOVED FOR CLARITY

Calibration Control

Off Indicator (Yellow)

Run Light (Green)

HEPA-Lert (Red) (Optional)

Digital Display

Setpoint Control

On/Off Switch

# SSLFHFD-FFU-RSR-LED
## FAN FILTER UNIT W/LED LIGHTING
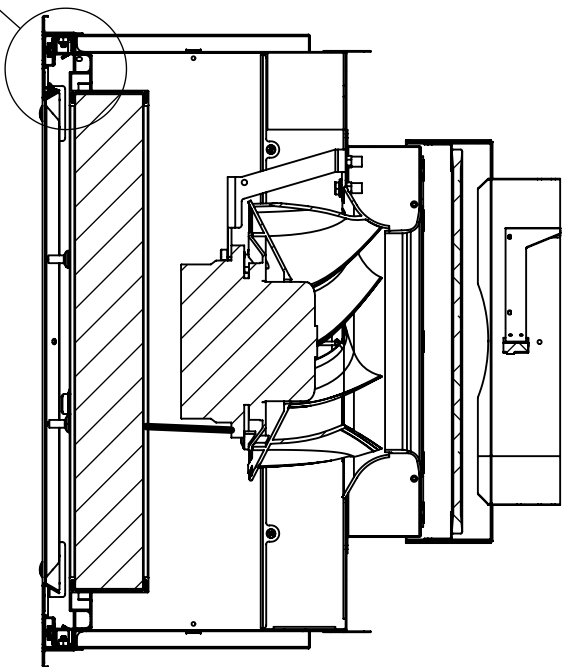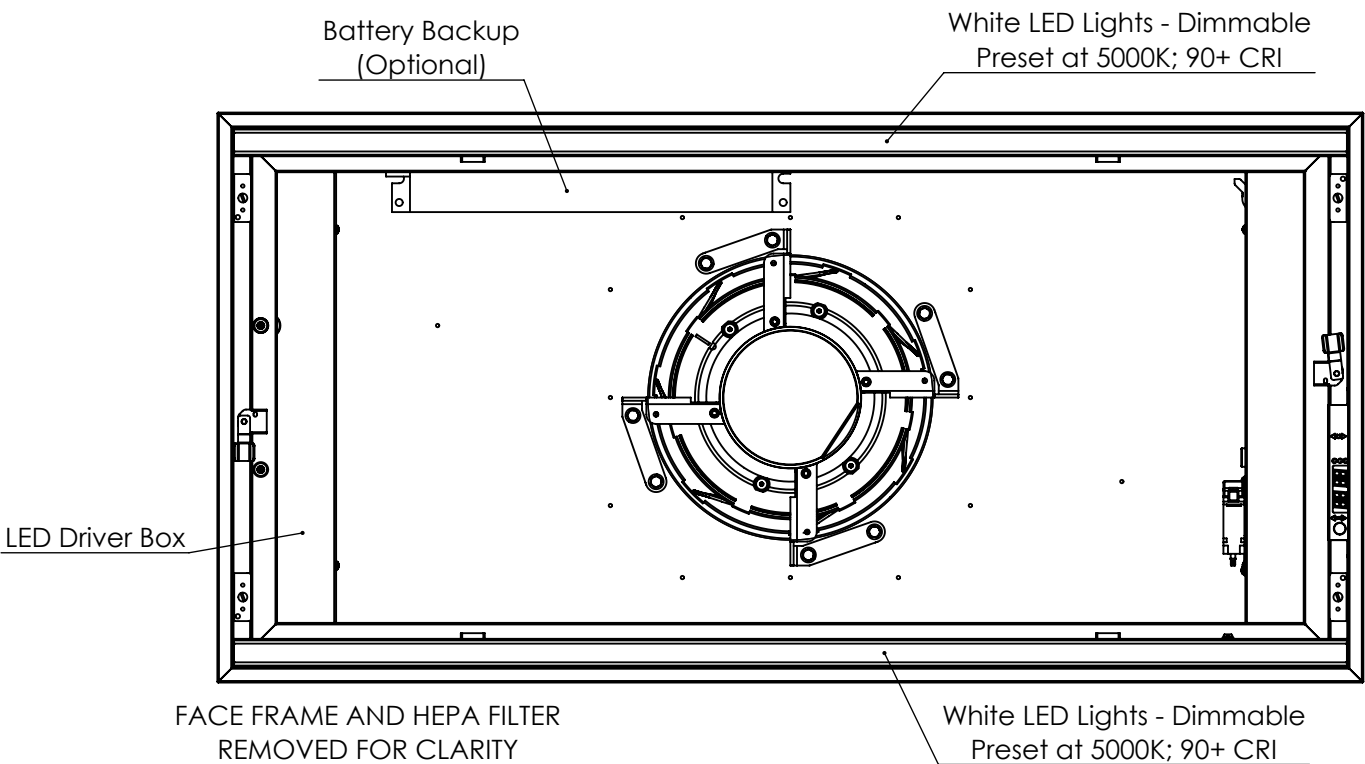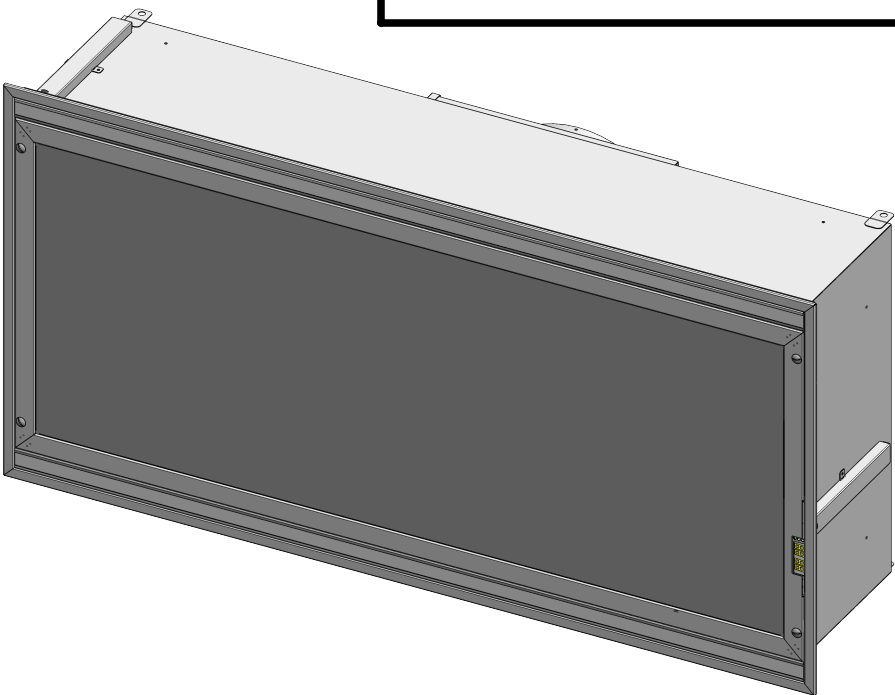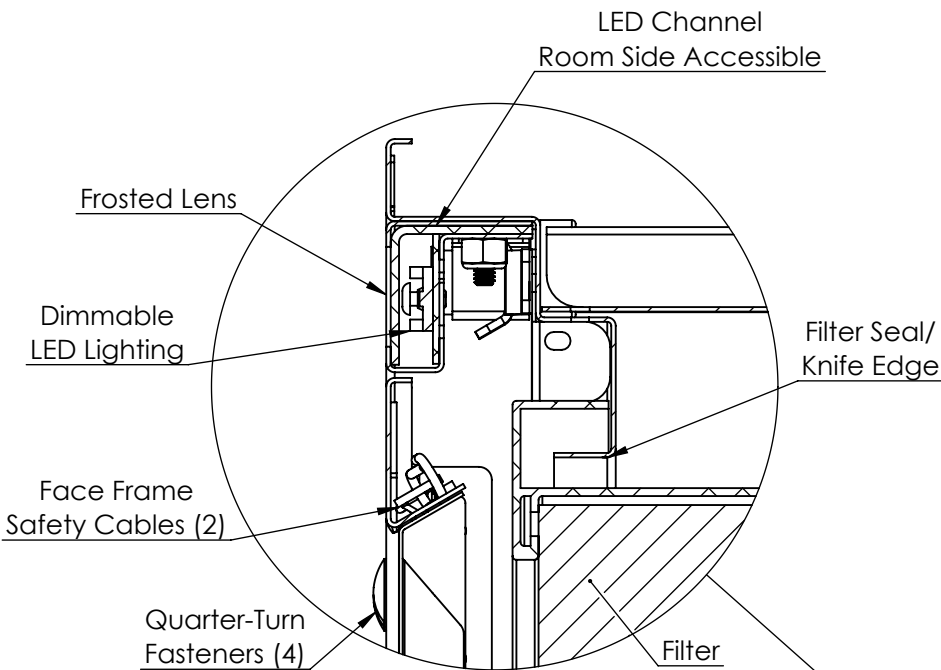## ROOMSIDE REPLACEABLE

90 CRI

DIMMABLE LED

## MEETS THE FOLLOWING UL LISTINGS

- UL 1598 - Standard for Safety Luminaires
- UL 2043 - Standard for Safety Fire Test
- UL 2108 - Standard for Low Voltage Lighting Systems
- UL 8750 - Standard for Light Emitting Diode (LED) Equipment for Use in Lighting Products
- UL 1310 - Standard for Class 2 Power Units
- UL 94 - Standard for Tests for Flammability of Plastic Materials for Parts in Devices and Appliances

## LIGHTING SPECIFICATIONS

- Color: White; Preset at 5000K; 90+ CRI
- Dimmable LEDs Controlled via 0-10VDC Dimmer
- Driver - 100watt - Class 2 - 100-277VAC Input
- 120VAC = 1.05Amps per Driver  **or**
- 230VAC = 0.58Amps per Driver  **or**
- 277VAC = 0.48Amps per Driver



LED Channel Room Side Accessible

Frosted Lens

Dimmable LED Lighting

Face Frame Safety Cables (2)

Quarter-Turn Fasteners (4)

Filter Seal/ Knife Edge

Filter

Battery Backup (Optional)

White LED Lights - Dimmable Preset at 5000K; 90+ CRI

LED Driver Box

FACE FRAME AND HEPA FILTER REMOVED FOR CLARITY

White LED Lights - Dimmable Preset at 5000K; 90+ CRI

SECTION B-B
SCALE 1 : 7

# SSLFHFD-FFU-RSR
## FAN FILTER UNIT
## ROOMSIDE REPLACEABLE

# SEISMIC BRACKET DETAIL

Certification Link: Reference OSP-0730

⌀0.41

1.43

X

Y
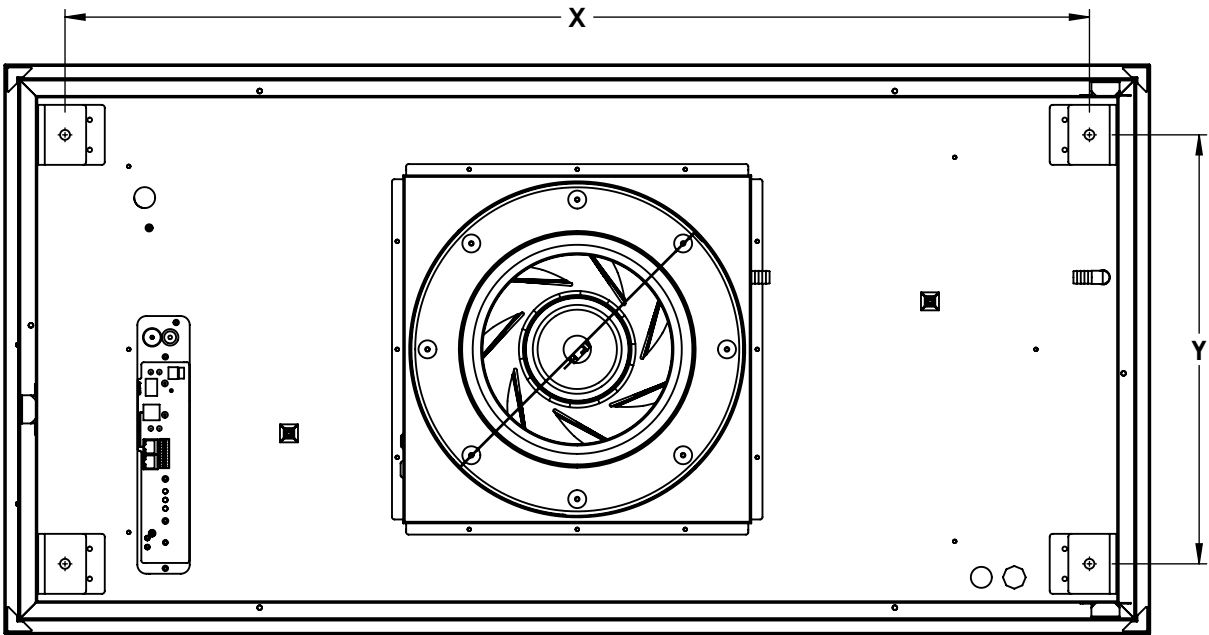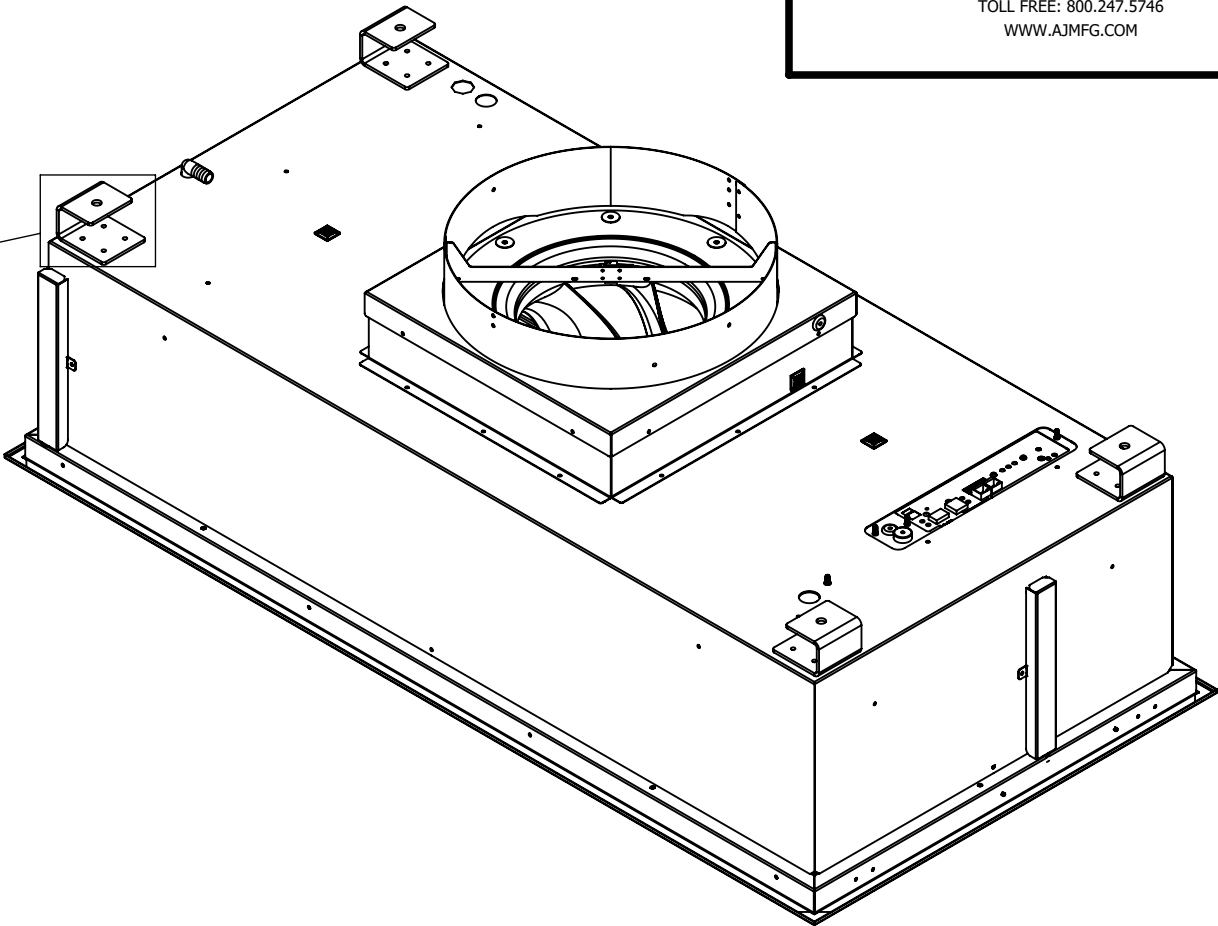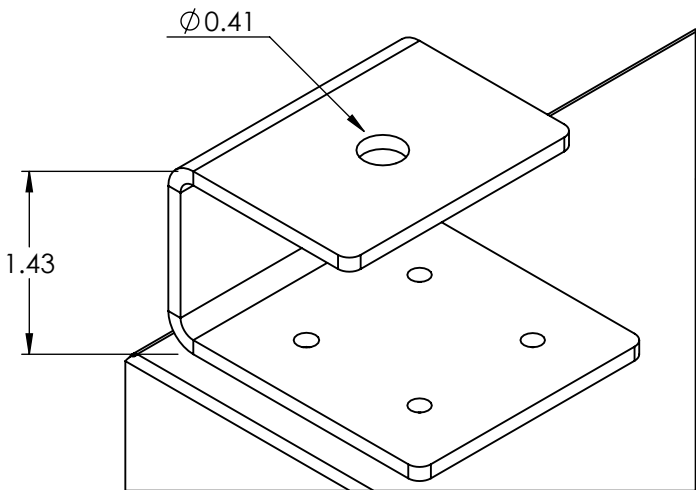


| NOMINAL UNIT SIZE | X | Y |
|---|---|---|
| 48 x 24 | 42.68 | 17.87 |
| 36 x 24 | 30.68 | 17.87 |
| 24 x 24 | 18.68 | 17.87 |