**DISCHARGE ATTENUATOR SECTION (ATT or ATT5)**
PROVIDED AS AN INTEGRAL EXTENSION TO SIZE 4-18 SINGLE DUCT TERMINALS
(SEPARATE ATTENUATOR CONSTRUCTION IS AVAILABLE AND CODED ATTSP, ATT5SP)
SEE PAGE 2 FOR VARIOUS ARRANGEMENTS.

**ROUND DISCHARGE COLLAR (RDC)**

**ADAPTOR COUPLING SECTION (ACS)**
1. REQUIRED FOR SIZE 4,5X6 TERMINAL TO ACCEPT A SIZE 8 MOA FOR DAS.
2. ALLOWS OUTLET SIZES UP TO THE DIMENSIONAL LIMIT OF A STANDARD SIZE 8 MOA.
3. INSTALLED HEIGHT WILL BE COVERED BY THE SIZE 8 MOA.
4. SEE DIMENSIONS TABLE FOR MAXIMUM OUTLET SIZE AVAILABLE FOR STANDARD SIZE MOA SECTIONS.

**MOA OUTLETS**
SIZE OF OUTLETS ON MOA NOT TO EXCEED THE LIMITS LISTED BELOW.

- **MOA OUTLETS**

**SQUARE UNITS**  **IMPERIAL UNITS**

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<tr>
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**NOTES:**
1. ONLY ONE OUTLET SIZE TO BE SPECIFIED PER MOA.
   NO MIXING OF OUTLET SIZES ON THE SAME UNIT.
2. ALL ROUND OUTLETS C/W MANUAL DAMPERS.
3. —— DENOTES AIR FLOW DIRECTION.
4. FOR SPECIAL OUTLET SIZES & ARRANGEMENTS, CONSULT YOUR PRICE SALES REPRESENTATIVE.

**PROJECT:**

**ENGINEER:**

**CUSTOMER:**

**SUBMITTAL DATE:**

**SPEC. SYMBOL:** 2005/01/01

**ACCESSORIES** FOR SINGLE DUCT TERMINAL UNITS

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### SI Units (mm)

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**NOTES:**

1. Fabricated from 22 ga. galvanized steel mechanically sealed, leak resistant construction.
2. Hot water coils have copper tubes and aluminum fins with O.D. sweat connections.
3. Refer to submitted terminal unit schedule for air volumes and reheat coil capacities.
4. Method of venting reheat coil is to be provided by installing contractor.
5. Hand of water coil connections is determined when viewed from air inlet side with access door on bottom, right hand coil connection illustrated above.

**OPTIONS:**

- [ ] HC (High Capacity) Water Coil

**HIGH CAPACITY COIL SUPPLIED WITH 12 FINS PER INCH, 1 AND 2 ROW COILS AVAILABLE.**

---

**PROJECT:**

**ENGINEER:**

**CUSTOMER:**

**SUBMITTAL DATE:**

**SPEC. SYMBOL:**

---

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SINGLE DUCT TERMINAL
WITH WATER COIL AND
COIL ACCESS DOOR

NOT INSULATED

AD - COIL ACCESS DOOR
W/SCREWS
4" (102) x 6 3/4" (171)

ADL - COIL ACCESS DOOR
W/SNAP LATCHES
4" (102) x 6 3/4" (171)

ADQ - COIL ACCESS DOOR
W/QUARTER TURN SASH LATCHES
4" (102) x 6 3/4" (171)

NOTES:
1. BOTTOM ACCESS DOOR FOR INSPECTION AND MAINTENANCE OF COIL IS FEATURED.
   (SEE OPTIONS FOR SPECIFIC LOCATION AND FASTENERS).
2. 3/4" (19) THICK, 22 GA GALVANIZED STEEL CONSTRUCTION, INTERNALLY INSULATED.
3. DUAL WALL CONSTRUCTION (NOT PROVIDED FOR FF LINERS).
4. CASKETED PERIMETER & 4 SCREWS PROVIDED AS STANDARD CONSTRUCTION.

OPTIONS:
☐ TB - TOP & BOTTOM ACCESS DOORS

ALL METRIC DIMENSIONS ( ) ARE SOFT CONVERTED. IMPERIAL DIMENSIONS ARE CONVERTED TO METRIC AND ROUNDED TO THE NEAREST MILLIMETER.
SINGLE DUCT TERMINAL
WITH WATER COIL AND
DUAL COIL ACCESS DOORS

NOT INSULATED

INSULATED
BOTTOM ACCESS DOOR

ACCESS DOOR (NOT INSULATED)

6 1/2" (165)

ADD - COIL ACCESS DOOR
W/SCREWS
4" (102) x 6 3/4" (171)

ADDL - COIL ACCESS DOOR
W/SNAP LATCHES
4" (102) x 6 3/4" (171)

ADDO - COIL ACCESS DOOR
W/QUARTER TURN SASH LATCHES
4" (102) x 6 3/4" (171)

NOTES:
1. BOTTOM ACCESS DOOR FOR INSPECTION AND MAINTENANCE OF COIL IS FEATURED.
   (SEE OPTIONS FOR SPECIFIC LOCATION AND FASTENERS).
2. 3/4" (19) THICK, 22 GA GALVANIZED STEEL CONSTRUCTION, INTERNALLY INSULATED.
3. DUAL WALL CONSTRUCTION (NOT PROVIDED FOR FF LINERS).
4. GASKETED PERIMETER & 4 SCREWS PROVIDED AS STANDARD CONSTRUCTION.
5. DOWNSTREAM COIL ACCESS DOOR NOT INSULATED.

OPTIONS:
☐ TB - TOP & BOTTOM ACCESS DOORS

ALL METRIC DIMENSIONS ( ) ARE SOFT CONVERTED. IMPERIAL DIMENSIONS ARE CONVERTED TO METRIC AND ROUNDED TO THE NEAREST MILLIMETER.

PROJECT: 86 HOT WATER COILS
SINGLE DUCT TERMINALS WITH DUAL COIL ACCESS DOORS

ENGINEER: 200911
CUSTOMER:
SUBMITTAL DATE: 2011/06/27
SPEC. SYMBOL: 2011/06/27

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WATER COIL REPLACEMENT
WITH COIL ACCESS DOOR

NOTES:
1. BOTTOM ACCESS DOOR FOR INSPECTION AND MAINTENANCE OF COIL IS FEATURED.
2. 22GA GALVANIZED STEEL CONSTRUCTION.
3. GASKETED PERIMETER & 4 SCREWS PROVIDED AS STANDARD CONSTRUCTION.
**STANDARD COIL FEATURES:**
- Automatic reset thermal cutout
- Manual reset thermal cutout
- Low watt density elements, high grade nickel-chrome alloy
- Pneumatic electric switch
- Air flow switch
- Hinged access door
- Magnetic contactors
- Single point electrical connection
- Refer to submitted control diagrams for standard control components to be supplied.

**OPTIONAL COIL FEATURES:**
- Control circuit fuses
- Door interlock disconnect switch
- Mercury contactors
- Main supply fuses
- Heater section insulated (FF not available)
- SCR controls
- SCR-DAT controls * See note
  - 0 to 10 Vdc control signal
  - 4 to 20 mA control signal
  - 0 to 5 Vac pulse control

**OPTIONAL DUCT LINERS AND CONSTRUCTION:**
- FG75  FG1  CRAFT  CRAFT1  PM
- SM  SM1  AFPM  AFPM1  PM1
- FF  FF1  FF50  FB  FB1
- CRWF  WFP1

**SUPPLY VOLTAGE:**
- 120/10
- 208/10 (2 wire)
- 480/30 (3 wire)
- 600/30 (3 OR 4 wire)
- 240/10
- 277/10
- 347/10
- 480/10

**PROJECT:**

**ENGINEER:**

**CUSTOMER:**

**SUBMITTAL DATE**

**SPEC. SYMBOL:**

2015/10/06

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### Standard Coil Features:
- Automatic reset thermal cutout
- Manual reset thermal cutout
- Low watt density elements, high grade nickel-chrome alloy
- Pneumatic electric switch
- Magnetic contactors

**Notes:**
- Internal insulation - fiberglass ½” (13) thick, min. 1.5# density, which meets requirements of NFPA 90A and UL181.
- Zinc coated steel 22 ga. terminal & 20 ga. heater, mechanically sealed and gasketed, leak resistant construction.
- Rectangular discharge openings have slip & drive cleat duct connections.
- Control assembly will be supplied as illustrated on right hand side unless specified otherwise.
- Pressure independent.
- Clean, dry, 20 psi (138 kPa) control air required.
- Controls supplied and mounted by price.
- For accessories see submittal drawings.
- SCR Controls over 25 amps 3Ø use 17” (432) control box.
- For SCR option with pneumatic control signal contact price.
- Assembly ETL certified to UL1995 & CSA20.6.

**Options:**
- Protective control shroud.
- 20ga outer casing.

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<th>Max L/S</th>
<th>Max CFM</th>
<th>S.I. Units mm</th>
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</table>

### Optional Coil Features:
- Air flow switch
- Hinged access door
- Single point electrical connection
- Refer to submittal control diagrams for standard control components to be supplied.

### Optional Duct Liners and Construction:
- FG75
- FG1
- SM
- SM1
- FF
- FF1
- CP
- CP1
- AFFM
- AFPM
- FF50
- FB
- FB1
- WFP
- SCR controls
- SCR-Dat controls
- 0 to 10 Vdc control signal
- 4 to 20 mA control signal
- 24 VAC pulse control

### Supply Voltage:
- 120/10
- 208/10 (3 wire)
- 480/30 (3 wire)
- 208/30 (3 wire)
- 600/30 (3 or 4 wire)
- 240/10
- 277/10
- 347/10
- 480/10

### Project Information
- **Engineer:**
- **Customer:**
- **Submit Date:** 2015/10/06
- **Spec. Symbol:** SPV8000
- **Size:** 24 x 16 assembly pneumatic controls
**Standard Coil Features:**
- Automatic reset thermal cutout
- Manual reset thermal cutout
- Low watt density elements, high grade nickel-chrome alloy
- Magnetic contactors
- Air flow switch
- 24VAC/50VAC class 2 transformer
- Hinged access door
- Single point electrical connection
- Refer to submitted control diagrams for standard control components to be supplied.

**Optional Coil Features:**
- Control circuit fuses
- Door interlock disconnect switch
- Mercury contactors
- Main supply fuses
- Heater section insulated (FF not available)
- SCR controls
- SCR-DAT controls
- 0 to 10 Vdc control signal
- 4 to 20 mA control signal

**Optional Duct Liners and Construction:**
- FO75  F1
- SM  SM1
- APFM  APFM1
- CRWF
- FF  FF1
- FMM  FF50  FB  FB1  WFPM

**Supply Voltage:**
- 120V
- 208/120V (2 Wire)  480/3Ph  (3 Wire)
- 208/30V (3 Wire)  600/3Ph  (4 Wire)
- 240V
- 277V
- 347V
- 480V

**Project:**

**Customer:**

**Submittal Date:**

**Spec. Symbol:**

**Sheet 1 of 2**  **Rev T**

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### STANDARD COIL FEATURES:
- Automatic reset thermal cutout
- Manual reset thermal cutout
- Low watt density elements, high grade nickel-chrome alloy
- Magnetic contactors
- Air flow switch

### NOTES:
- Internal insulation - fiberglass 1/4" (13) thick, min. 1.5# density, which meets requirements of NFPA 90A and UL181.
- Zinc coated steel 22 ga. terminal & 20 ga. heater, mechanically sealed and gasketed, leak resistant construction.
- Rectangular discharge openings have slip & drive cleat duct connections.
- Control assembly will be supplied as illustrated on right hand side unless specified otherwise.
- Digital controls supplied by controls contractor.
- For accessories see submittal drawings.
- SCR controls over 25 amp 36 use 19" (483) control box.
- Assembly ETL certified to UL1995 & CSA236.

### OPTIONS:
- Controls enclosure
- 20 ga outer casing

### SDV5000
- Integral electric reheat
- Size: 24 x 16 assembly
- Digital controls

---

**PROJECT:**

**ENGINEER:**

**CUSTOMER:**

**SUBMITTAL DATE:**

**SPEC. SYMBOL:**
### Standard Coil Features:
- Automatic Reset Thermal Cutout
- Manual Reset Thermal Cutout
- Low Watt Density Elements, High Grade Nickel-Chrome Alloy
- Magnetic Contactors
- Air Flow Switch
- 24Vac/50Vac Class 2 Transformer
- Hinged Access Door
- Single Point Electrical Connection
- Refer to Submitted Control Diagrams for Standard Control Components to be Supplied.

### Optional Coil Features:
- Control Circuit Fuses
- Door Interlock Disconnect Switch
- Mercury Contactors
- Main Supply Fuses
- Heater Section Insulated (FF Not Available)
- SCR Controls / SCR-Dat Controls
  - 0 to 10 Vdc Control Signal
  - 4 to 20 mA Control Signal

### Optional Duct Liners and Construction:
- FC75
- FC1
- SM
- SM1
- AFPW
- APM1
- FF
- FF1
- Craf
- CRF1
- CRWF
- PM
- PM1
- FF50
- WFRM

### Supply Voltage:
- FB
- F81
- 120/18
- 208/18 (2 Wire)
- 480/3 (3 Wire)
- 208/3 (3 Wire)
- 600/3 (3 or 4 Wire)
- 240/18
- 277/18
- 347/18
- 480/18

---

**See Catalog for Detailed CFM Range and Heating Capacity.**

- Control Box within height of the Terminal Unit.
- **6" Diameter duct with 4" or 5" Reducer.**

**Notes:**
- Internal Insulation - Fiberglass 1/2" (13)Thick, Min. 1.5# Density, which meets requirements of NFPA 90A and UL181.
- Rectangular Discharge Openings Have Slip & Drive Cleat Duct Connections.
- Control Assembly will be supplied as illustrated on right hand side unless specified otherwise.
- For accessories see Submittal Drawings.
- SCR Controls over 25 Amps 3ph use 19" (483) Control Box.
- Assembly ETL Certified to UL1995 & CSA236.
- Price Controls Factory Mounted.
- Price Thermostat Field Mounted.

**Options:**
- RS - Bottom Removable Sensor
- 20ga Outer Casing

---

**All Metric Dimensions ( ) are Soft Converted, Imperial Dimensions are Converted to Metric and Rounded to the Nearest Millimeter.**

---

**Project:**

**Engineer:**

**Customer:**

**Submittal Date:**

**Spec. Symbol:**

**SDV8000**

**Intelligent Electric Reheat Size 4 to 16 Assembly Price Controls**

240375

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Sheet 1 of 2 Rev 0
### Standard Coil Features:
- **Automatic Reset Thermal Cutout**
- **Manual Reset Thermal Cutout**
- **Low Watt Density Elements, High Grade Nickel-Chrome Alloy**
- **Magnetic Contactors**
- **Air Flow Switch**

**Notes:**
- Internal insulation — Fiberglass 1/2" (13) thick, min. 1.5# density which meets requirements of NFPA 90A and UL181.
- Zinc coated steel 22Ga. terminal & 20 Ga. heater, mechanically sealed and gasketed, leak resistant construction.
- Rectangular discharge openings have slip & drive cleat duct connections.
- Control assembly will be supplied as illustrated on right hand side unless specified otherwise.
- For accessories see submittal drawings.
- SCR Controls over 25 AMP 36 use 19" (483) control box.
- ETL Certified to UL1995 & CSA235.
- Price Controls Factory Mounted.
- Price Thermostat Field Mounted.

### Optional Coil Features:
- 24VAC/50VA Class 2 Transformer
- Hinged Access Door
- Single Point Electrical Connection
- Refer to submitted control diagrams for standard control components to be supplied.

### Optional Duct Liners and Construction:
- FG75
- FG1
- SM
- SM1
- AFPM
- AFPM1
- FF
- FF1
- CRWF
- PM
- PM1
- FF50
- WFPM
- 20ga OUTER CASING
- FB
- FB1

### Supply Voltage:
- 120/10
- 208/10 (3 WIRE)
- 480/36 (3 WIRE)
- 208/30 (3 WIRE)
- 600/30 (3 OR 4 WIRE)
- 240/10
- 277/10
- 347/10
- 480/10

---

**Project:**

**Engineer:**

**Customer:**

**Submittal Date:**

**Spec. Symbol:**
SINGLE DUCT WITH BOTTOM ACCESS DOOR

4" x 6\(\frac{7}{8}\)" (102x171) ACCESS DOOR WITH SCREWS

GASKET

METAL COVER
(NOT INCLUDED WITH FF LINER)

INSULATION

ACCESS DOOR

FASTENING OPTIONS:

SNAP LATCH DETAIL
☐ ADL

1/4 TURN SASH LATCHES
☐ ADQ

ACCESS DOOR NOTES:

1. 3/4" (19) THICK, 22 GA GALVANIZED STEEL CONSTRUCTION, INTERNALLY INSULATED.
2. DUAL WALL CONSTRUCTION (NOT PROVIDED FOR FF LINERS).
3. GASKETED PERIMETER & 4 SCREWS PROVIDED AS STANDARD CONSTRUCTION.

OPTIONS:

☐ TB - TOP & BOTTOM ACCESS DOORS.

ALL METRIC DIMENSIONS (\(\_\_\_\_\) ARE SOFT CONVERTED. IMPERIAL DIMENSIONS ARE CONVERTED TO METRIC AND ROUNDED TO THE NEAREST MILLIMETER.

PROJECT: SINGLE DUCT

ENGINEER: 86

CUSTOMER: 256538

SUBMITTAL DATE: 2011/06/17

SPEC. SYMBOL: AD

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MULTI-POINT SENSOR  
C/W GAUGE TAPS

Air Flow

DIA=A-1/8" (3)

6 3/8" [162]
DIA=A-1/8" (3)

* SIZE 4 AND 5 HAVE 6" DUCT WITH INLET REDUCER AS SHOWN.

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<td>765</td>
<td>547</td>
</tr>
<tr>
<td>HSG 24x16</td>
<td>16</td>
<td>24x16</td>
<td>2360</td>
<td>5000</td>
<td>965</td>
<td>457</td>
</tr>
</tbody>
</table>

NOTES:
- THE Oversized casIng OPTION UTILIZES A CASING ONE UNIT SIZE LARGER THAN THE STANDARD UNIT.
- ACCESSORIES SUCH AS WATER COILS, ATTENUATORS AND MOA WILL CORRESPOND TO THE LARGER CASING SIZE.

ALL METRIC DIMENSIONS ( ) ARE SOFT CONVERTED. IMPERIAL DIMENSIONS ARE CONVERTED TO METRIC AND ROUNDED TO THE NEAREST MILLIMETER.

PROJECT: Oversized Casing 
SINGLE DUCT

ENGINEER: GF

CUSTOMER: 260234

SUBMITTAL DATE: SPEC. SYMBOL: 2012/03/02

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DISCHARGE ATTENUATOR SECTION (ATT or ATT5)
PROVIDED AS AN INTEGRAL EXTENSION TO SIZE 4-16 SINGLE DUCT TERMINALS
(SEPARATE ATTENUATOR CONSTRUCTION IS AVAILABLE AND CODED ATTSP, ATT5SP)

ATT: L = 35 13/16 (910)  ATT5: L = CASING LENGTH + 59" (1499)

ROUND DISCHARGE COLLAR (RDC)

MULTI-OUTLET ATTENUATOR SECTION (MOA, MOAS)
3 FT. OR 5 FT.

MOA OUTLETS
SIZE OF OUTLETS ON MOA NOT TO EXCEED THE LIMITS LISTED BELOW.

<table>
<thead>
<tr>
<th>UNIT SIZE</th>
<th>MAX OUTLET SIZE</th>
</tr>
</thead>
<tbody>
<tr>
<td>HSG8</td>
<td>8&quot; (203)</td>
</tr>
<tr>
<td>HSG10</td>
<td>10&quot; (254)</td>
</tr>
<tr>
<td>HSG12</td>
<td>12&quot; (305)</td>
</tr>
<tr>
<td>HSG14, HSG16</td>
<td>16&quot; (406)</td>
</tr>
</tbody>
</table>

NOTES:
1. ONLY ONE OUTLET SIZE TO BE SPECIFIED PER M.O.A.
   NO MIXING OF OUTLET SIZES ON THE SAME UNIT.
2. ALL ROUND OUTLETS C/W MANUAL DAMPERS.
3. ▶️ DENOTES AIR FLOW DIRECTION.
4. FOR SPECIAL OUTLET SIZES & ARRANGEMENTS, CONSULT YOUR PRICE SALES REPRESENTATIVE.

STANDARD OUTLET ARRANGEMENTS (TOP VIEW)

ALL METRIC DIMENSIONS ( ) ARE SOFT CONVERTED. IMPERIAL DIMENSIONS ARE CONVERTED TO METRIC AND ROUNDED TO THE NEAREST MILLIMETER.

PROJECT:

ENGINEER:

CUSTOMER:

SUBMITTAL DATE: SPEC. SYMBOL: 2012/03/02

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### SI UNITS (mm)

<table>
<thead>
<tr>
<th>A/O CODE</th>
<th>CASING SIZE B</th>
<th>C</th>
<th>1 row standard</th>
<th>1 row H.C.</th>
<th>2,3,4 rows</th>
</tr>
</thead>
<tbody>
<tr>
<td>HSG8</td>
<td>8</td>
<td>305</td>
<td>13</td>
<td>13</td>
<td>22</td>
</tr>
<tr>
<td>HSG10</td>
<td>10</td>
<td>356</td>
<td>12</td>
<td>13</td>
<td>22</td>
</tr>
<tr>
<td>HSG12</td>
<td>12</td>
<td>406</td>
<td>11</td>
<td>13</td>
<td>22</td>
</tr>
<tr>
<td>HSG14</td>
<td>14</td>
<td>508</td>
<td>11</td>
<td>13</td>
<td>22</td>
</tr>
<tr>
<td>HSG16</td>
<td>16</td>
<td>610</td>
<td>11</td>
<td>13</td>
<td>22</td>
</tr>
<tr>
<td>HSC</td>
<td>24 x 16</td>
<td>965</td>
<td>22</td>
<td>22</td>
<td>22</td>
</tr>
</tbody>
</table>

### IMPERIAL UNITS (inches)

<table>
<thead>
<tr>
<th>A/O CODE</th>
<th>CASING SIZE B</th>
<th>C</th>
<th>1 row standard</th>
<th>1 row H.C.</th>
<th>2,3,4 rows</th>
</tr>
</thead>
<tbody>
<tr>
<td>HSG8</td>
<td>8</td>
<td>12</td>
<td>½</td>
<td>½</td>
<td>½</td>
</tr>
<tr>
<td>HSG10</td>
<td>10</td>
<td>14</td>
<td>12 ½</td>
<td>½</td>
<td>½</td>
</tr>
<tr>
<td>HSG12</td>
<td>12</td>
<td>16</td>
<td>15</td>
<td>½</td>
<td>½</td>
</tr>
<tr>
<td>HSG14</td>
<td>14</td>
<td>20</td>
<td>17 ½</td>
<td>½</td>
<td>½</td>
</tr>
<tr>
<td>HSG16</td>
<td>16</td>
<td>24</td>
<td>18</td>
<td>½</td>
<td>½</td>
</tr>
<tr>
<td>HSC</td>
<td>24 x 16</td>
<td>38</td>
<td>18</td>
<td>½</td>
<td>½</td>
</tr>
</tbody>
</table>

### NOTES:

1. FABRICATED FROM 22 GA. GALVANIZED STEEL MECHANICALLY SEALED, LEAK RESISTANT CONSTRUCTION.
2. HOT WATER COILS HAVE COPPER TUBES AND ALUMINUM FINS WITH O.D. SWEAT CONNECTIONS.
3. REFER TO SUBMITTED TERMINAL UNIT SCHEDULE FOR AIR VOLUMES AND REHEAT COIL CAPACITIES.
4. METHOD OF VENTING REHEAT COIL IS TO BE PROVIDED BY INSTALLING CONTRACTOR.
5. HAND OF WATER COIL CONNECTIONS IS DETERMINED WHEN VIEWED FROM AIR INLET SIDE WITH ACCESS DOOR ON BOTTOM. RIGHT HAND COIL CONNECTION ILLUSTRATED ABOVE.
6. ALLOW 1½” (38) MINIMUM CLEARANCE FOR INSTALLATION AT THIS END.
7. CONFIGURATION OF COIL CONNECTION VARIES WITH SIZE & CIRCUITRY OF COIL.
8. PERFORMANCE RATED AND CERTIFIED IN ACCORDANCE WITH THE CURRENT EDITION OF ARI STANDARD 410.
9. STANDARD COILS SUPPLIED WITH 10 FINS PER INCH.
10. IT IS NOT RECOMMENDED TO REVERSE 3 & 4 ROW COILS. INDICATE HANDING WHILE ORDERING.

### OPTIONS:

- HC (HIGH CAPACITY) WATER COIL
- **HIGH CAPACITY COIL SUPPLIED WITH 12 FINS PER INCH. 1 AND 2 ROW COILS AVAILABLE.

### PROJECT:

**OVERSIZED CASING**

SINGLE DUCT TERMINALS

HOT WATER COILS

### SPEC. SYMBOL:

2012/03/02

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SEISMIC HANGER BRACKET LOCATIONS

NOTE:
SDV SIZE 4-10, WITH OR WITHOUT A WATER COIL
REQUIRE 90° HANGER BRACKETS ONLY
SDV SIZE 24x16, REQUIRES 90° HANGER BRACKETS AS WELL AS SHEAR HANGER BRACKETS.

NOTE:
SDVQ ALL UNIT SIZES AND CONFIGURATIONS REQUIRE 90° HANGER BRACKETS AND SHEAR BRACKETS TOGETHER.

BRACKET LOCATION FOR SIZE 4-10.

LINE UP BRACKETS

3 3/16"(81)
0.12"(13)
1"(25)
2"(51)

SHEAR HANGER BRACKET (HB)

NOTES:
• HANGER AND SHEAR BRACKETS CONSTRUCTED OUT OF 12 GAUGE.
• 4 SCREWS (MINIMUM #8) REQUIRED PER BRACKET.
• FOR MOUNTING DETAILS, SEE PRICE OSP PREAPPROVAL # OSP-0302-10.

ALL METRIC DIMENSIONS IN MILLIMETERS. IMPERIAL DIMENSIONS ARE CONVERTED TO METRIC AND ROUNDED TO THE NEAREST MILLIMETER.

PROJECT:

ENGINEER:

CUSTOMER:

SUBMITTAL DATE: SPEC. SYMBOL:

2013/09/23

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SHEET 1 OF 4 REV B
<table>
<thead>
<tr>
<th>Model</th>
<th>Cabinet Construction</th>
<th>Silencer</th>
<th>Cabinet Dimensions (inches)</th>
<th>Max Weight (lb)</th>
<th>Mounting</th>
</tr>
</thead>
<tbody>
<tr>
<td>SDV / SDVQ 5xxx/8xxx S2 4</td>
<td>SDV / SDVQ 5xxx/8xxx S2 4</td>
<td>SDV / SDVQ 5xxx/8xxx S2 5</td>
<td>SDV / SDVQ 5xxx/8xxx S2 6</td>
<td>SDV / SDVQ 5xxx/8xxx S2 7</td>
<td>SDV / SDVQ 5xxx/8xxx S2 8</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>32 1/2</td>
<td>32 1/2</td>
<td>32 1/2</td>
<td>32 1/2</td>
<td>32 1/2</td>
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<td>12</td>
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</tr>
<tr>
<td>8</td>
<td>8</td>
<td>8</td>
<td>8</td>
<td>10</td>
<td>10</td>
</tr>
<tr>
<td>33</td>
<td>60</td>
<td>33 to 260</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Zinc-coated carbon steel 3', 5', Elbow, or None

EXCERPTS FROM APPLICATION FOR OSHPD SPECIAL SEISMIC CERTIFICATION PREAPPROVAL (OSP). APPLICATION #OSP-0302-10.

ALL METRIC DIMENSIONS () ARE SOFT CONVERTED. IMPERIAL DIMENSIONS ARE CONVERTED TO METRIC AND ROUNDED TO THE NEAREST MILLIMETER.

PROJECT:

ENGINEER:

CUSTOMER:

SUBMITTAL DATE: SPEC. SYMBOL: 2013/09/23

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### SDV / SDVQ Coils

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Manufacturer</th>
<th>Fin Material</th>
<th>Tube Material</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 row</td>
<td>Price</td>
<td>Aluminum</td>
<td>Copper</td>
</tr>
<tr>
<td>2 row</td>
<td>Price</td>
<td>Aluminum</td>
<td>Copper</td>
</tr>
<tr>
<td>3 row</td>
<td>Price</td>
<td>Aluminum</td>
<td>Copper</td>
</tr>
<tr>
<td>4 row</td>
<td>Price</td>
<td>Aluminum</td>
<td>Copper</td>
</tr>
</tbody>
</table>

### SDV SDV/Q Liners (Terminal Casing and Silencer / Attenuator)

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Manufacturer</th>
<th>Material</th>
</tr>
</thead>
<tbody>
<tr>
<td>CRAF</td>
<td>Price</td>
<td>Cleanroom Aluminum Foil Faced Fiberglass</td>
</tr>
<tr>
<td>SM</td>
<td>Price</td>
<td>Solid Metal</td>
</tr>
<tr>
<td>PM</td>
<td>Price</td>
<td>Perforated Metal</td>
</tr>
<tr>
<td>AFPM</td>
<td>Price</td>
<td>Aluminum Foil Faced Fiberglass with Perforated Metal</td>
</tr>
<tr>
<td>FF</td>
<td>Price</td>
<td>Fiber Free Foam</td>
</tr>
<tr>
<td>FB</td>
<td>Price</td>
<td>Foil Faced Fiberglass Board</td>
</tr>
<tr>
<td>FG</td>
<td>Price</td>
<td>Fiberglass</td>
</tr>
<tr>
<td>FC</td>
<td>Price</td>
<td>Fiberglass cloth (silencer/attenuator only)</td>
</tr>
<tr>
<td>PL</td>
<td>Price</td>
<td>Polymer film liner (silencer/attenuator only)</td>
</tr>
</tbody>
</table>

### SDV Attenuators / SDVQ Silencers

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Manufacturer</th>
<th>Liner Material</th>
</tr>
</thead>
<tbody>
<tr>
<td>SDVQ Elbow Silencer</td>
<td>Price</td>
<td>Casing may be the same as terminal casing liner (CRAF, SM, PM, AFPM, FF, FB, FG). Attenuators/silencers may have optional fiberglass cloth (FC) or polymer film (PL) liner.</td>
</tr>
<tr>
<td>SDVQ 3' Silencer (36'')</td>
<td>Price</td>
<td>Casing may be the same as terminal casing liner (CRAF, SM, PM, AFPM, FF, FB, FG). Attenuators/silencers may have optional fiberglass cloth (FC) or polymer film (PL) liner.</td>
</tr>
<tr>
<td>SDV 3' Attenuator (36'')</td>
<td>Price</td>
<td>Casing may be the same as terminal casing liner (CRAF, SM, PM, AFPM, FF, FB, FG). Attenuators/silencers may have optional fiberglass cloth (FC) or polymer film (PL) liner.</td>
</tr>
<tr>
<td>SDV 5' Attenuator (59'')</td>
<td>Price</td>
<td>Casing may be the same as terminal casing liner (CRAF, SM, PM, AFPM, FF, FB, FG). Attenuators/silencers may have optional fiberglass cloth (FC) or polymer film (PL) liner.</td>
</tr>
<tr>
<td>5' Silencer (60'')</td>
<td>Price</td>
<td>Casing may be the same as terminal casing liner (CRAF, SM, PM, AFPM, FF, FB, FG). Attenuators/silencers may have optional fiberglass cloth (FC) or polymer film (PL) liner.</td>
</tr>
</tbody>
</table>
### SDV/SDVQ Damper Actuator Controller

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Manufacturer</th>
<th>Description</th>
<th>Controller</th>
</tr>
</thead>
<tbody>
<tr>
<td>PIC</td>
<td>Price Controls</td>
<td>Controller w/ integral actuator, 24V</td>
<td>Plastic cover with circuit board</td>
</tr>
<tr>
<td>PAC</td>
<td>Price Controls</td>
<td>Controller, 24V w/KMC MEP 4003 actuator</td>
<td>Plastic cover with circuit board</td>
</tr>
<tr>
<td>W7751F</td>
<td>Honeywell</td>
<td>Controller, 24V (208/240V transformer)</td>
<td>Plastic cover with circuit board</td>
</tr>
<tr>
<td>W7751H</td>
<td>Honeywell</td>
<td>Controller w/ integral actuator, 24V (120V transformer)</td>
<td>Plastic cover with circuit board</td>
</tr>
<tr>
<td>W7751D</td>
<td>Honeywell</td>
<td>Controller, 24V</td>
<td>Plastic cover with circuit board</td>
</tr>
<tr>
<td>W7751B</td>
<td>Honeywell</td>
<td>Controller, 24V</td>
<td>Plastic cover with circuit board</td>
</tr>
<tr>
<td>PVL6436AS</td>
<td>Honeywell</td>
<td>Controller w/ integral actuator, 24V</td>
<td>Plastic cover with circuit board</td>
</tr>
<tr>
<td>MS VMA1410</td>
<td>Johnson Controls</td>
<td>Controller w/ integral actuator, 24V</td>
<td>Plastic cover with circuit board</td>
</tr>
<tr>
<td>MS VMA1420</td>
<td>Johnson Controls</td>
<td>Controller w/ integral actuator, 24V</td>
<td>Plastic cover with circuit board</td>
</tr>
<tr>
<td>MS VMA1615</td>
<td>Johnson Controls</td>
<td>Controller w/ integral actuator, 24V</td>
<td>Plastic cover with circuit board</td>
</tr>
<tr>
<td>MS VMA1620</td>
<td>Johnson Controls</td>
<td>Controller w/ integral actuator, 24V</td>
<td>Plastic cover with circuit board</td>
</tr>
<tr>
<td>MS VMA1630</td>
<td>Johnson Controls</td>
<td>Controller w/ integral actuator, 24V</td>
<td>Plastic cover with circuit board</td>
</tr>
<tr>
<td>GDE131.1P</td>
<td>Siemens</td>
<td>Controller / actuator combo, 24V (120V transformer)</td>
<td>Plastic cover with circuit board</td>
</tr>
<tr>
<td>540-100 &amp; GDE131</td>
<td>Siemens</td>
<td>Controller / actuator combo, 24V (277V transformer)</td>
<td>Plastic cover with circuit board</td>
</tr>
<tr>
<td>540-110 &amp; GDE131</td>
<td>Siemens</td>
<td>Controller / actuator combo, 24V (277V transformer)</td>
<td>Plastic cover with circuit board</td>
</tr>
<tr>
<td>550-065 &amp; GDE131</td>
<td>Siemens</td>
<td>Controller / actuator combo, 24V</td>
<td>Plastic cover with circuit board</td>
</tr>
<tr>
<td>550-066 &amp; GDE131</td>
<td>Siemens</td>
<td>Controller / actuator combo, 24V</td>
<td>Plastic cover with circuit board</td>
</tr>
<tr>
<td>550-067 &amp; GDE131</td>
<td>Siemens</td>
<td>Controller / actuator combo, 24V</td>
<td>Plastic cover with circuit board</td>
</tr>
<tr>
<td>550-068 &amp; GDE131</td>
<td>Siemens</td>
<td>Controller / actuator combo, 24V</td>
<td>Plastic cover with circuit board</td>
</tr>
<tr>
<td>550-767 &amp; GDE131</td>
<td>Siemens</td>
<td>Controller / actuator combo, 24V</td>
<td>Plastic cover with circuit board</td>
</tr>
<tr>
<td>540-844 &amp; GDE131</td>
<td>Siemens</td>
<td>Controller / actuator combo, 24V</td>
<td>Plastic cover with circuit board</td>
</tr>
<tr>
<td>MR-VAV-AX</td>
<td>Schneider Electric (TAC)</td>
<td>Controller w/ integral actuator, 24V</td>
<td>Plastic cover with circuit board</td>
</tr>
<tr>
<td>Xenta 102-AX</td>
<td>Schneider Electric (TAC)</td>
<td>Controller w/ integral actuator, 24V</td>
<td>Plastic cover with circuit board</td>
</tr>
<tr>
<td>b3-866-V</td>
<td>Schneider Electric (Andover)</td>
<td>Controller w/ integral actuator, 24V</td>
<td>Plastic cover with circuit board</td>
</tr>
<tr>
<td>b2-865-V</td>
<td>Schneider Electric (Andover)</td>
<td>Controller w/ integral actuator, 24V</td>
<td>Plastic cover with circuit board</td>
</tr>
<tr>
<td>i2 866-V</td>
<td>Schneider Electric (Andover)</td>
<td>Controller w/ integral actuator, 24V</td>
<td>Plastic cover with circuit board</td>
</tr>
<tr>
<td>i2 865-V</td>
<td>Schneider Electric (Andover)</td>
<td>Controller w/ integral actuator, 24V</td>
<td>Plastic cover with circuit board</td>
</tr>
<tr>
<td>MNL-V2VR3</td>
<td>Schneider Electric (Invensys)</td>
<td>Controller w/ integral actuator, 24V</td>
<td>Plastic cover with circuit board</td>
</tr>
<tr>
<td>ZN141V+</td>
<td>Automated Logic</td>
<td>Controller w/ integral actuator, 24V</td>
<td>Plastic cover with circuit board</td>
</tr>
<tr>
<td>ZN341V+</td>
<td>Automated Logic</td>
<td>Controller w/ integral actuator, 24V</td>
<td>Plastic cover with circuit board</td>
</tr>
</tbody>
</table>

---

**EXCERPTS FROM APPLICATION FOR OSHPD SPECIAL SEISMIC CERTIFICATION PREAPPROVAL (OSP). APPLICATION #OSP-0302-10.**

---

**PROJECT:**

**ENGINEER:**

**CUSTOMER:**

**SUBMITTAL DATE:**

**SPEC. SYMBOL:**

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**NOTES:**
- SINGLE DUCT WIDTH AND HEIGHT REMAIN THE SAME AS THE STANDARD UNIT; THE DAMPER SHAFT IS ROTATED 90° FOR CB.
- RECTANGULAR DISCHARGE OPENING WITH SLIP AND DRIVE CLEAT DUCT CONNECTION.

**SDV INCLUDES:**
- MULTI-POINT SENSOR BY PRICE.

**OPTIONS:**
- CONTROLS ENCLOSURE
- DISCONNECT SWITCH
- GAUGE TAPS
- REMOVABLE SENSOR – RIGHT HANDED
- REMOVABLE SENSOR – LEFT HANDED

---

**PROJECT:**

**ENGINEER:**

**CUSTOMER:**

**SUBMITTAL DATE:** 2014/02/26

**SPEC. SYMBOL:**

---

<table>
<thead>
<tr>
<th>UNIT SIZE</th>
<th>MAX L/S</th>
<th>MAX CFM</th>
<th>S.I. UNITS mm</th>
<th>IMPERIAL UNITS inches</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>OUTLET B</td>
<td>INLET A</td>
<td>LENGTH L</td>
<td>OUTLET B</td>
</tr>
<tr>
<td>4</td>
<td>189</td>
<td>400</td>
<td>305 203 102 562</td>
<td>12</td>
</tr>
<tr>
<td>5</td>
<td>236</td>
<td>500</td>
<td>305 254 178 511</td>
<td>12</td>
</tr>
<tr>
<td>6</td>
<td>260</td>
<td>550</td>
<td>356 318 229 600</td>
<td>16</td>
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<td>7</td>
<td>378</td>
<td>800</td>
<td>406 381 305</td>
<td>20</td>
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<tr>
<td>8</td>
<td>519</td>
<td>1100</td>
<td>480 445 356</td>
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<td>1746</td>
<td>3700</td>
<td>512 457 406</td>
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<tr>
<td>16</td>
<td>2360</td>
<td>5000</td>
<td>512 457 406</td>
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ALL METRIC DIMENSIONS ( ) ARE SOFT CONVERTED. IMPERIAL DIMENSIONS ARE CONVERTED TO METRIC AND ROUNDED TO THE NEAREST MILLIMETER.
### Table

<table>
<thead>
<tr>
<th>UNIT SIZE</th>
<th>MAX L/S</th>
<th>MAX CFM</th>
<th>S.I. UNITS mm</th>
<th>IMPERIAL UNITS Inches</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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<td>INLET</td>
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### Notes:
- INTERNAL INSULATION ½"(13mm) THICK FIBERGLASS (1½lb DENSITY) WHICH MEETS REQUIREMENTS OF NFPA 90A & UL181.
- 22GA. ZINC COATED STEEL HOUSING.
- RECTANGULAR DISCHARGE OPENING WITH SLIP AND DRIVE CLEAT DUCT CONNECTION.
- LEAKAGE CERTIFICATION LABEL PROVIDED BY FACTORY.
- DIGITAL CONTROLS BY CONTROL CONTRACTOR.

### Options:
- □ CLL3—FACTORY LEAK TESTED UP TO 1% OF MAX FLOW AT UP TO 3" W.G.
- □ CLL4—FACTORY LEAK TESTED UP TO 1% OF MAX FLOW AT UP TO 4" W.G.
- □ CLL6—FACTORY LEAK TESTED UP TO 1.5% OF MAX FLOW AT UP TO 6" W.G.
- □ CONTROLS ENCLOSURE
- □ DISCONNECT SWITCH
- □ 20 GA. CASING
- □ 3FT(N/A WITH CADDCLL) OR 5FT INTEGRAL ATTENUATOR
- □ GT — BRASS AIRFLOW SENSOR GAUGE TAPS
- □ PRICE DIGITAL CONTROLS

### Liner Options:
- □ FF □ FF1 □ FB □ CRAF □ FG1
- □ FF50 □ FB1 □ CRAF1 □ FG75

---

**PROJECT:**

**ENGINEER:**

**CUSTOMER:**

**SUBMITTAL DATE:**

**SPEC. SYMBOL:**

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WATER COIL

CADCELL - SINGLE ACCESS DOOR

FOR SIZE 4-8 = 12" x 10" (305x254)
FOR SIZE 9-16 = 12" x 12" (305x305)

W/QUARTER TURN LATCHES

ATT (L + 35 3/4" (908))
ATT5 (L + 58 3/4" (1492))

CADCELL - DOUBLE ACCESS DOORS

FOR SIZE 4-8 = 12" x 10" (305x254)
FOR SIZE 9-16 = 12" x 12" (305x305)

W/QUARTER TURN LATCHES

CADDCELL INCLUDES 3FT INTEGRAL
ATTENUATOR AS STANDARD CONSTRUCTION

NOTES:

1&2 ROW A = 5" (127)
3&4 ROW A = 7 3/4" (194)

REFER TO SUBMITTAL 200911 FOR WATERCOIL INFORMATION.

ALL METRIC DIMENSIONS () ARE SOFT CONVERTED. IMPERIAL DIMENSIONS ARE CONVERTED TO METRIC AND ROUNDED TO THE NEAREST MILLIMETER.
### NOTES:
- INTERNAL INSULATION ½" (13mm) THICK FIBERGLASS (1½ lb DENSITY) WHICH MEETS REQUIREMENTS OF NFPA 90A & UL181.
- UNIT INTERNALLY SEALED WITH DUCT SEALER (FIBERGLASS LINER) OR HARDCAST 1602 TAPE (ALL OTHER LINERS).
- 22GA. ZINC COATED STEEL HOUSING INTERNALLY SEALED AND GASKETED, LEAK RESISTANT CONSTRUCTION.
- RECTANGULAR DISCHARGE OPENING WITH SLIP AND DRIVE CLEAT DUCT CONNECTION.
- LOW LEAKAGE DAMPER CONSTRUCTION— DOUBLE GASKET.
- LEAKAGE CERTIFICATION LABEL PROVIDED BY FACTORY.
- PNEUMATIC CONTROLS SUPPLIED & MOUNTED BY PRICE.
- CLEAN, DRY, 20 PSI (138 KPa) CONTROL AIR REQUIRED.

### OPTIONS:
- PNEUMATIC ACTUATOR SUPPLIED & MOUNTED BY PRICE.
- PNEUMATIC ACTUATOR SUPPLIED BY CONTROL CONTRACTOR & MOUNTED BY PRICE.
- CL13—FACTORY LEAK TESTED UP TO 1% OF MAX DESIGN FLOW AT UP TO 3" W.G.
- CL14—FACTORY LEAK TESTED UP TO 1% OF MAX DESIGN FLOW AT UP TO 4" W.G.
- CL16—FACTORY LEAK TESTED UP TO 1.5% OF MAX DESIGN FLOW AT UP TO 6" W.G.
- 20GA. CASING
- 3FT (N/A WITH CADDACL) OR 5FT INTEGRAL ATTENUATOR
- PROTECTIVE CONTROLLER COVER

### LINTER OPTIONS:
- FF □ FF1 □ FB □ CRAFT □ FG1
- FF50 □ FB1 □ CRAFT1 □ FG75

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**PROJECT:**

**ENGINEER:**

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**SUBMITTAL DATE:**

**SPEC. SYMBOL:**

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**SPV**

SINGLE DUCT TERMINAL VARIABLE VOLUME
PNEUMATIC CONTROLS
CERTIFIED LOW LEAKAGE

252435

2009/05/26

SHEET 1 OF 2 REV C
NOTES:

- 1&2 ROW A = 5'' (127)
- 3&4 ROW A = 7⅛'' (184)
- REFER TO SUBMITTAL 200911 FOR WATERCOIL INFORMATION.

ALL METRIC DIMENSIONS ( ) ARE SOFT CONVERTED, IMPERIAL DIMENSIONS ARE CONVERTED TO METRIC AND ROUNDED TO THE NEAREST MILLIMETER.
HANGER BRACKETS (HB)
LOCATION
SIZES 4–16

ALTERNATE BRACKET LOCATION
IF INTERFERENCE WITH
SDV CONTROLS OCCURS

UNIT SIZE | SDV W/ INTEGRAL ATTN, in (mm) | A (†) | B (‡)
---|---|---|---
4–12 | 35 13/16" (1314) | 74 3/4" (1999) |
14,16 | 35 13/16" (1314) | 78 1/4" (1988) |
24x16 | 35 13/16" (1314) | 74 1/2" (1892) |

(*) 3 FT INTEGRAL ATT, (‡) 5 FT ATT B

NOTES:
- HANGER BRACKET ARE 12 GAUGE ZINC COATED STEEL.
- 4 BRACKETS PER UNIT
- BRACKETS ARE SHIPPED LOOSE FOR FIELD INSTALLATION FOR USE WITH THREADED HANGER RODS. (BY OTHERS)
- LAYOUT INDICATES SUGGESTED HANGER BRACKET LOCATIONS.

ALL METRIC DIMENSIONS (.) ARE SOFT CONVERTED, IMPERIAL DIMENSIONS ARE CONVERTED TO METRIC AND ROUNDED TO THE NEAREST MILLIMETER.

PROJECT:

ENGINEER:

CUSTOMER:

SUBMITTAL DATE: SPEC. SYMBOL: 2010/09/02

© Copyright PRICE INDUSTRIES LTD. 2016
HANGER BRACKETS (HB)
LOCATION
SIZES 4-16

NOTES:
- HANGER BRACKET ARE 12 GAUGE ZINC COATED STEEL.
- 4 PER UNIT, 2 PER ATTENUATOR.
- BRACKETS ARE SHIPPED LOOSE FOR FIELD INSTALLATION FOR USE WITH THREADED HANGER RODS. (BY OTHERS)
- LAYOUT INDICATES SUGGESTED HANGER BRACKET LOCATIONS.

ALL METRIC DIMENSIONS ( ) ARE SOFT CONVERTED. IMPERIAL DIMENSIONS ARE CONVERTED TO METRIC AND ROUNDED TO THE NEAREST MILLIMETER.

PROJECT:

ENGINEER:
CUSTOMER:
SUBMITTAL DATE: SPEC. SYMBOL:
2010/09/02

ACCESSORIES
HANGER BRACKETS (HB) LOCATIONS FOR SDV

© Copyright PRICE INDUSTRIES LTD. 2016 SHEET 2 OF 3 REV B
HANGER BRACKETS (HB)
LOCATION
SIZES 24x16

NOTES:
- HANGER BRACKET ARE 12 GAUGE ZINC COATED STEEL.
- 4 PER UNIT, 2 PER ATTENUATOR.
- BRACKETS ARE SHIPPED LOOSE FOR FIELD INSTALLATION FOR USE WITH THREADED HANGER RODS. (BY OTHERS)
- LAYOUT INDICATES SUGGESTED HANGER BRACKET LOCATIONS.

ALL METRIC DIMENSIONS ( ) ARE SOFT CONVERTED. IMPERIAL DIMENSIONS ARE CONVERTED TO METRIC AND ROUNDED TO THE NEAREST MILLIMETER.