



**CUSTOM FLOW  
HIGH CAPACITY  
ARCHITECTURAL LINEAR DIFFUSER  
SERVICE & INSTALLATION MANUAL**

Date: 03/11  
Reference #: A-10

## **Contents**

Types 21C, 21SM, 22C & 22SM .....	2-3
Type 61SM.....	4-5
Type 22, 22A, 22C, 22P, 22ASM &22SM .....	6
Type 21P & 22P .....	7-8
Type 22A & 22ASM .....	9-10
Type 21 &22 .....	11-12
Instruction For Field Trimming .....	13
T-Bar Ceilings .....	14-15
Type 41 & 41P .....	16-17
Type 51 & 51F.....	18

ALWAYS READ & UNDERSTAND ALL INSTALLATION INSTRUCTIONS PRIOR TO STARTING.

THIS INSTRUCTION APPLIES TO CUSTOM FLOW LINEAR DIFFUSERS, MODELS AS AND JS, WITH TYPE 'C' CONCEALED MOUNTING BRACKETS (FRAME TYPES 21C, 21SM, 22C, AND 22SM).

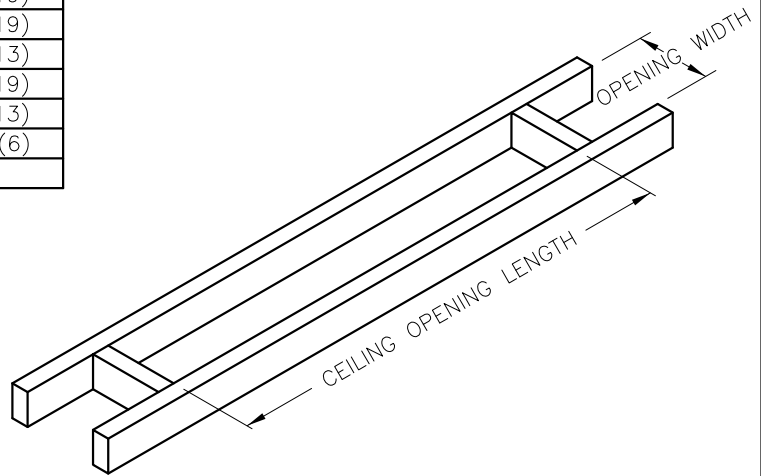
FOR INSTRUCTIONS ON COMPLETING DRYWALL TAPING FOR CONCEALED FRAME TYPES 22C AND 22SM, ALSO SEE INSTALLATION INSTRUCTION I100030.

STEP 1:  
FRAME CEILING OPENING. REFER TO CHARTS FOR RECOMMENDED OPENING WIDTH AND LENGTH DIMENSIONS.

FRAME TYPE	END CONDITION	CEILING OPENING LENGTH
21C, 22C	W-W*	ORDERED SIZE + 3/4" (19)
	W-X*	ORDERED SIZE + 3/4" (19)
	W-Z*	ORDERED SIZE + 1/2" (13)
	X-X	ORDERED SIZE + 3/4" (19)
	X-Z	ORDERED SIZE + 1/2" (13)
	Z-Z	ORDERED SIZE + 1/4" (6)
21SM, 22SM	ALL	NOMINAL SIZE

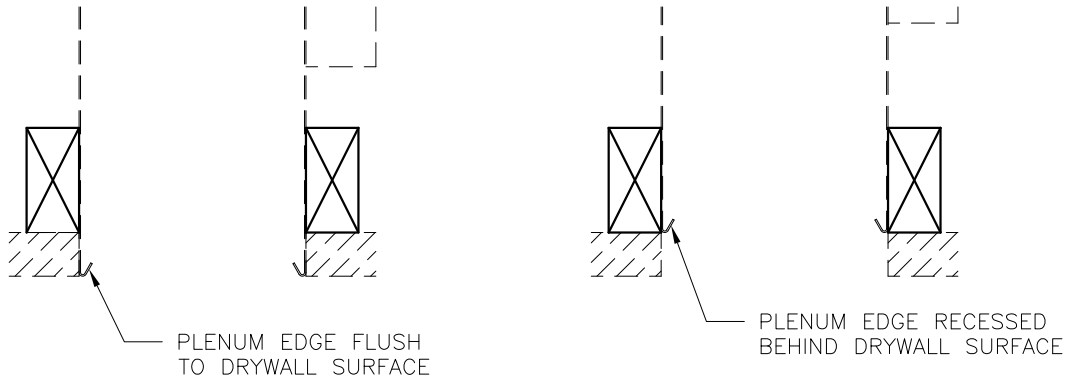
\* W ENDCAPS NOT AVAILABLE ON TYPES 22C, 22SM

MODEL	SLOT QTY.	OPENING WIDTH
AS210 / JS210	1 SLOT	3 1/4" (83)
	2 SLOT	5 9/16" (141)
AS215 / JS215	1 SLOT	4 1/4" (108)
	2 SLOT	7 9/16" (192)
AS220 / JS220	1 SLOT	5 1/4" (133)
	2 SLOT	9 9/16" (243)
AS225 / JS225	1 SLOT	6 1/4" (159)
	2 SLOT	11 9/16" (294)
AS230 / JS230	1 SLOT	7 1/4" (184)
	2 SLOT	13 9/16" (344)



STEP 2:

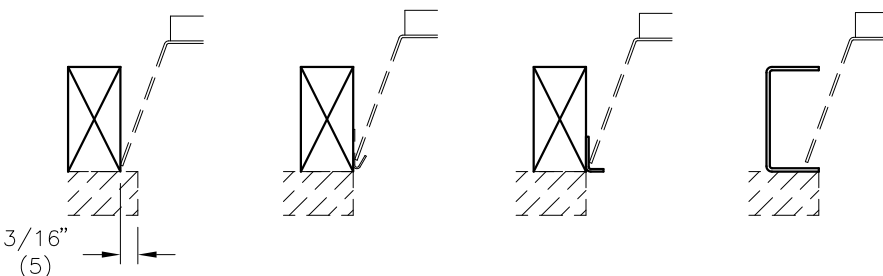
INSTALL PLENUM (IF REQUIRED). USE PRICE MODEL UP OR UPL, OR FIELD BUILD PLENUM WITH HEMMED EDGE. SECURE PLENUM TO FRAMING OR HANG FROM STRUCTURE AS REQUIRED BY LOCAL BUILDING CODE. PLENUM MAY BE INSTALLED FLUSH TO FRAMING, OR LOCATED TO BE FLUSH WITH FINISHED DRYWALL.



STEP 3:

INSTALL DRYWALL. IF USING EXPOSED FRAMES, TYPES 21C OR 21SM, FINISH DRYWALL AND PAINT. IF USING CONCEALED FRAMES, TYPES 22C OR 22SM, DO NOT FINISH DRYWALL UNTIL AFTER INSTALLING DIFFUSER.

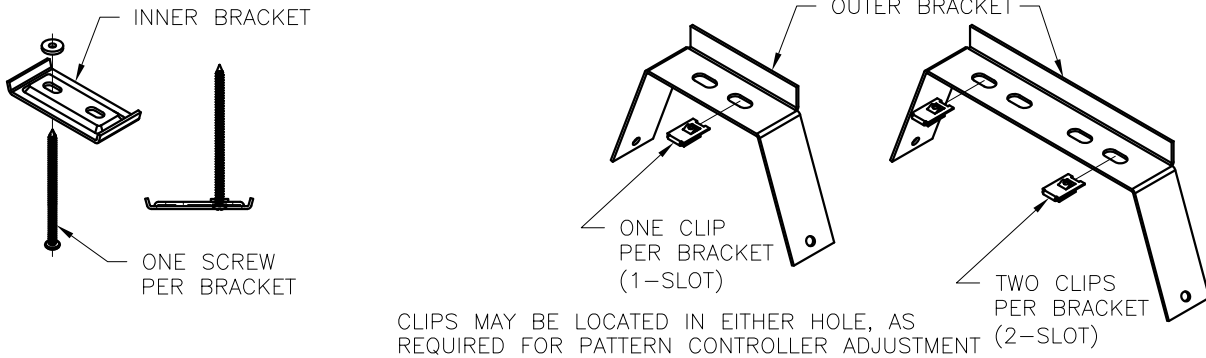
IF NO PLENUM IS BEING USED, ENSURE A LEDGE MAY BE ADDED FOR INSTALLING BRACKET. THIS MAY BE FORMED BY THE DRYWALL, A SHEET METAL HEM OR ANGLE, OR METAL STUD FRAMING. IF NO LEDGE IS INSTALLED, THE BRACKET MAY ALSO BE SCREWED IN PLACE.



<b>PRICE®</b>	
<b>RV</b>	<b>CUSTOM FLOW</b>
I100028	INSTALLATION INSTRUCTIONS TYPES 21C, 21SM, 22C & 22SM
2011/02/16	

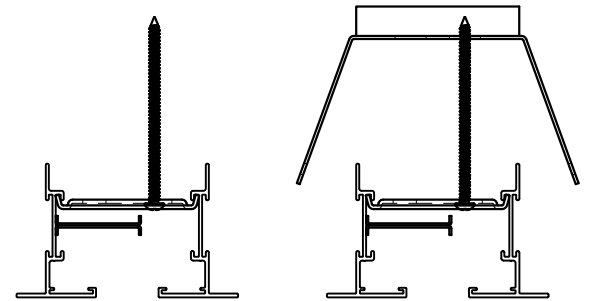
**STEP 4:**

PREPARE BRACKETS BY INSERTING ONE SCREW THROUGH EACH INNER BRACKET, AND PUSHING A RUBBER GROMMET DOWN THE SHAFT OF THE SCREW. SLIDE J-NUT ONTO OUTER BRACKETS.



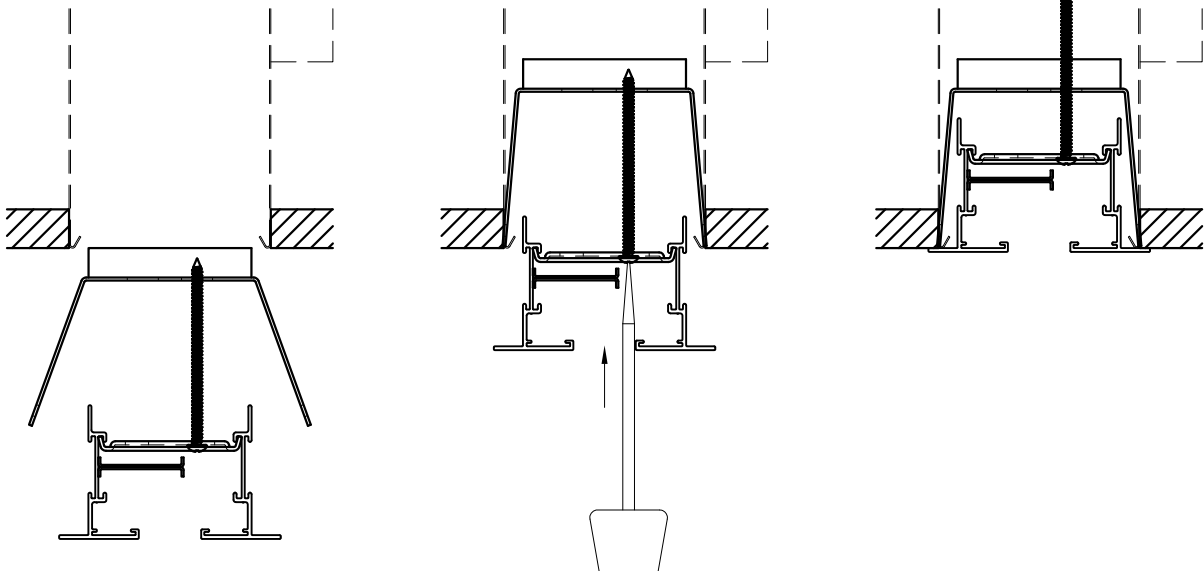
**STEP 5:**

INSTALL INNER BRACKETS INTO DIFFUSER. DEFLECT FRAME STACK AND SNAP BRACKET INTO DIFFUSER FRAME. BRACKETS ARE REQUIRED APPROXIMATELY EVERY 36" (914) TO 48" (1219). THREAD OUTER BRACKET 1/4" (6) ONTO SCREWS.



**STEP 6:**

POSITION DIFFUSER IN CEILING. USING A SCREWDRIVER, PUSH UPWARD ON THE SCREW UNTIL THE BRACKET SNAPS IN PLACE. IF DIFFUSER IS MULTIPLE SECTIONS IN LENGTH, ALIGN SECTIONS USING SPLICE PLATES. TIGHTEN SCREWS UNTIL FRAME IS FLUSH WITH THE CEILING.



**STEP 7:**

ADJUST BLADES FOR DESIRED AIR PATTERN. IF USING CONCEALED FRAMES, STYLES 22C OR 22SM, FINISH DRYWALL CEILING AS PER INSTALLATION INSTRUCTION I100030.

<b>PRICE</b> <sup>®</sup>	
	<b>CUSTOM FLOW</b>
I100028	INSTALLATION INSTRUCTIONS TYPES 21C, 21SM 22C & 22SM
2011/02/16	

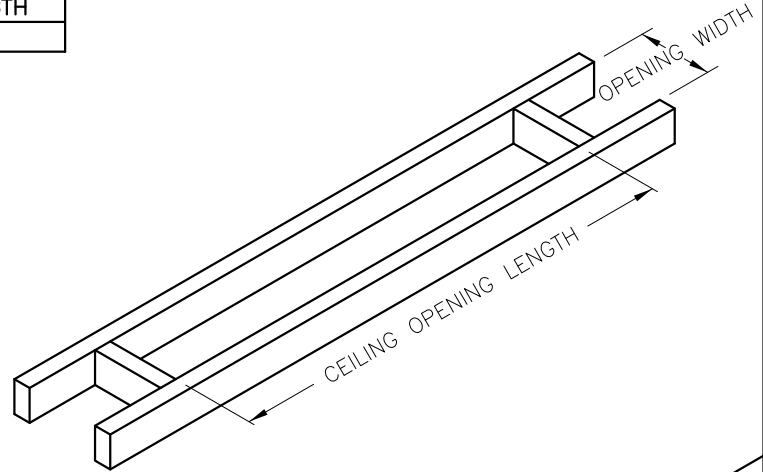
ALWAYS READ & UNDERSTAND ALL INSTALLATION INSTRUCTIONS PRIOR TO STARTING.

THIS INSTRUCTION APPLIES TO CUSTOM FLOW LINEAR DIFFUSERS, MODELS AS AND JS, TYPE 61SM FOR MOUNTING PRIOR TO DRYWALL INSTALLATION.

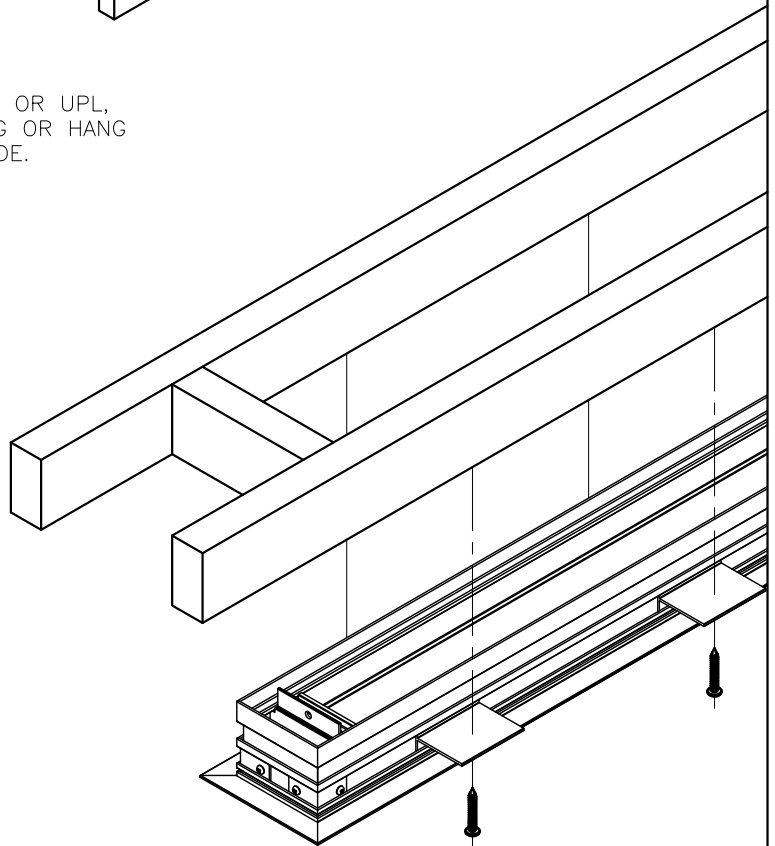
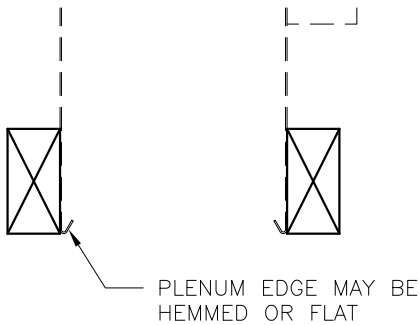
**STEP 1:**  
FRAME CEILING OPENING. REFER TO CHARTS FOR RECOMMENDED OPENING WIDTH AND LENGTH DIMENSIONS.

FRAME TYPE	END CONDITION	CEILING OPENING LENGTH
61SM	ALL	NOMINAL SIZE

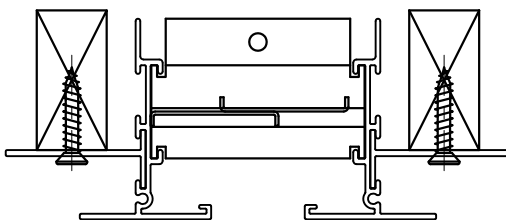
MODEL	SLOT QTY.	OPENING WIDTH
AS210 / JS210	1 SLOT	3 <sup>1</sup> / <sub>4</sub> " (83)
	2 SLOT	5 <sup>9</sup> / <sub>16</sub> " (141)
AS215 / JS215	1 SLOT	4 <sup>1</sup> / <sub>4</sub> " (108)
	2 SLOT	7 <sup>9</sup> / <sub>16</sub> " (192)
AS220 / JS220	1 SLOT	5 <sup>1</sup> / <sub>4</sub> " (133)
	2 SLOT	9 <sup>9</sup> / <sub>16</sub> " (243)
AS225 / JS225	1 SLOT	6 <sup>1</sup> / <sub>4</sub> " (159)
	2 SLOT	11 <sup>9</sup> / <sub>16</sub> " (294)
AS230 / JS230	1 SLOT	7 <sup>1</sup> / <sub>4</sub> " (184)
	2 SLOT	13 <sup>9</sup> / <sub>16</sub> " (344)




**STEP 2:**  
INSTALL PLENUM (IF REQUIRED). USE PRICE MODEL UP OR UPL, OR FIELD BUILD PLENUM. SECURE PLENUM TO FRAMING OR HANG FROM STRUCTURE AS REQUIRED BY LOCAL BUILDING CODE. PLENUM MUST BE INSTALLED FLUSH TO FRAMING.



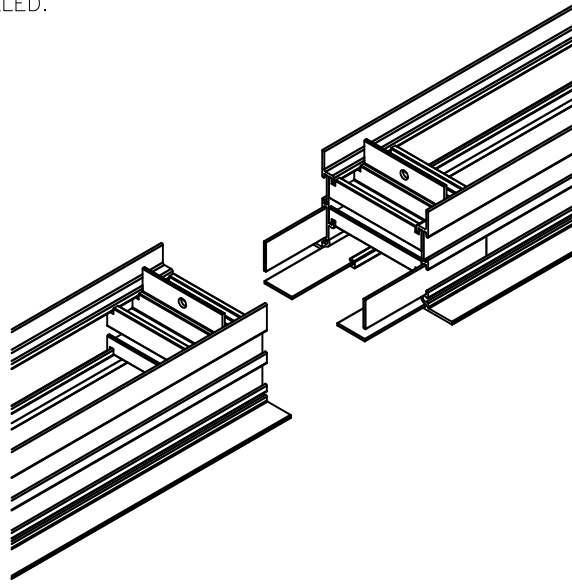
**STEP 3:**  
SCREW DIFFUSER MOUNTING CLIPS TO FRAMING. MOUNTING CLIPS SHOULD BE LOCATED APPROXIMATELY EVERY 12" (305). CLIPS MAY BE REVERSED, TO ALLOW FOR EITHER 5/8" (16) OR 1/2" (13) DRYWALL.



<b>PRICE</b> <sup>®</sup>	
	<b>CUSTOM FLOW</b>
1100029	INSTALLATION INSTRUCTIONS TYPE 61SM
2011/02/24	REV 0

STEP 4:

IF MULTIPLE SECTION DIFFUSERS ARE USED, ALIGN SECTIONS TOGETHER USING THE SUPPLIED SPLICE PLATES AS ADDITIONAL SECTIONS ARE INSTALLED.




STEP 5:

INSTALL DRYWALL BY SLIDING BEHIND DIFFUSER FACE, AND FASTENING TO CEILING FRAMING. FOR EASIEST INSTALLATION, SLIDE TAPERED EDGE OF SHEET BEHIND THE DIFFUSER FACE..



STEP 6:

FINISH AND PAINT DRYWALL, AND ADJUST DIFFUSER FOR DESIRED FLOW.

<b>PRICE</b> <sup>®</sup>	
	<b>CUSTOM FLOW</b>
1100029	INSTALLATION INSTRUCTIONS TYPE 61SM
2011/02/24	

ALWAYS READ & UNDERSTAND ALL INSTALLATION INSTRUCTIONS PRIOR TO STARTING.

THIS INSTRUCTION APPLIES TO FINISHING THE DRYWALL AFTER INSTALLING CUSTOM FLOW LINEAR DIFFUSERS WITH CONCEALED PLASTER FRAMES – TYPES 22, 22A, 22C, 22P, 22SM AND 22ASM.

FOR INSTALLATION OF DIFFUSERS:

- WITH TYPE 'C' CONCEALED MOUNTING BRACKETS (TYPES 22C AND 22SM), SEE ALSO I100028
- WITH TYPE 'P' MOUNTING BRACKETS (TYPE 22P), SEE ALSO I100031
- WITH TYPE 'A' COUNTERSUNK SCREW MOUNTING (TYPE 22A AND 22ASM), SEE ALSO I100032
- WITH MOUNTING PLATES (TYPE 22), SEE ALSO I100033

STEP 1:

THOROUGHLY CLEAN DIFFUSER FLANGES TO REMOVE ANY OILS OR RESIDUE FROM THE SURFACE.

STEP 2:

APPLY ONE COAT OF A BONDING AGENT OVER THE ENTIRE SURFACE OF THE FLANGE, AND ALLOW TO DRY PER MANUFACTURER'S INSTRUCTIONS.

STEP 3:

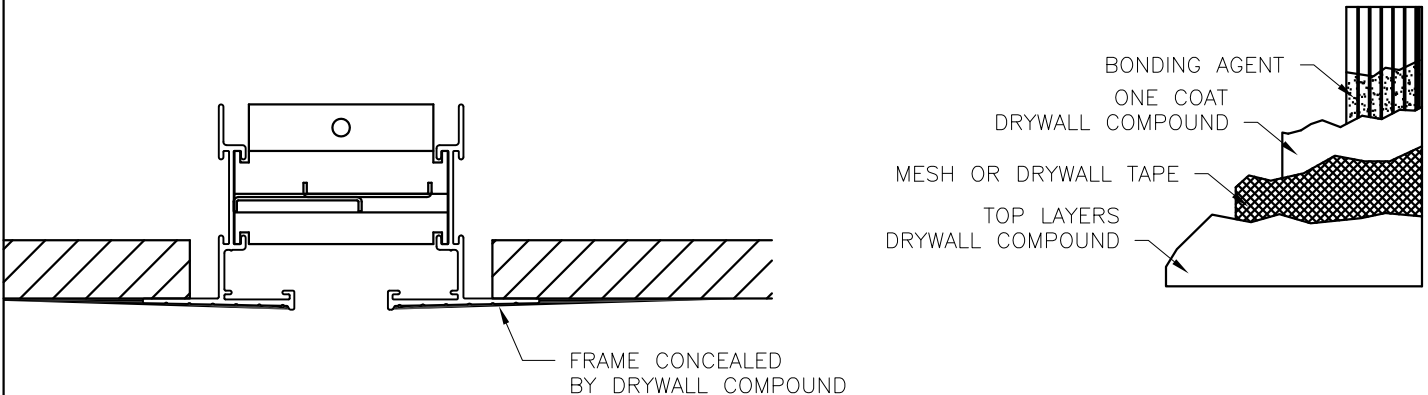
APPLY ONE COAT OF JOINT COMPOUND ON THE DIFFUSER FLANGES AND APPROXIMATELY 3" (76) ONTO THE DRYWALL BEYOND THE FLANGE.


STEP 4:

APPLY A 4" (102) WIDE MESH OR PAPER TAPE TO THE JOINT COMPOUND. BE SURE TO SMOOTH IT OUT AND REMOVE ANY AIR POCKETS. THE MESH OR TAPE SHOULD COVER THE DIFFUSER FLANGE, BUT NOT EXTEND ONTO THE STACK OF THE DIFFUSER. APPLY A SECOND COAT OF COMPOUND OVER THE TAPE AND SMOOTH. ALLOW THIS TO DRY.

STEP 5:

APPLY AT LEAST TWO COATS OF FINISHING COMPOUND. ONCE IT HAS DRIED, SAND IT SMOOTH, PRIME, AND PAINT THE SURFACE.



<b>PRICE</b> <sup>®</sup>	
	<b>CUSTOM FLOW</b>
I100030	INSTALLATION INSTRUCTIONS TYPES 22, 22A, 22C, 22P, 22ASM AND 22SM
2011/02/17	

ALWAYS READ & UNDERSTAND ALL INSTALLATION INSTRUCTIONS PRIOR TO STARTING.

THIS INSTRUCTION APPLIES TO CUSTOM FLOW LINEAR DIFFUSERS, MODELS AS AND JS, WITH TYPE 'P' PLENUM MOUNTING BRACKETS (FRAME TYPES 21P AND 22P) BEING INSTALLED INTO MODELS ASP OR JSP PLENUMS.

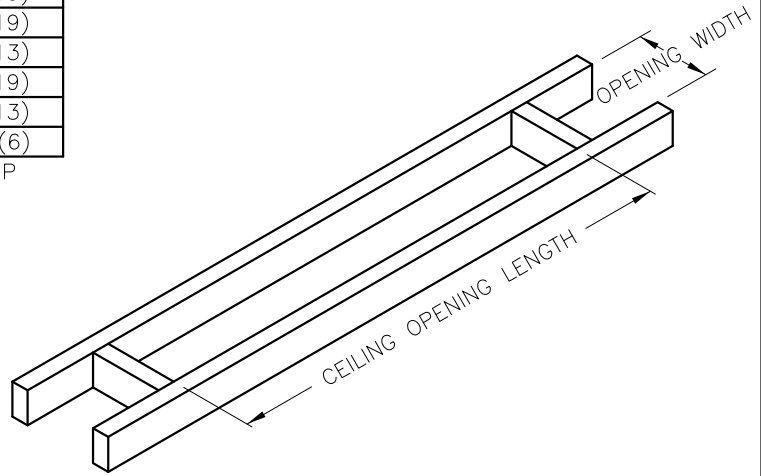
FOR INSTRUCTIONS ON COMPLETING DRYWALL TAPING FOR CONCEALED FRAME TYPE 22P, ALSO SEE INSTALLATION INSTRUCTION I100030.

**STEP 1:**  
FRAME CEILING OPENING. REFER TO CHARTS FOR RECOMMENDED OPENING WIDTH AND LENGTH DIMENSIONS.

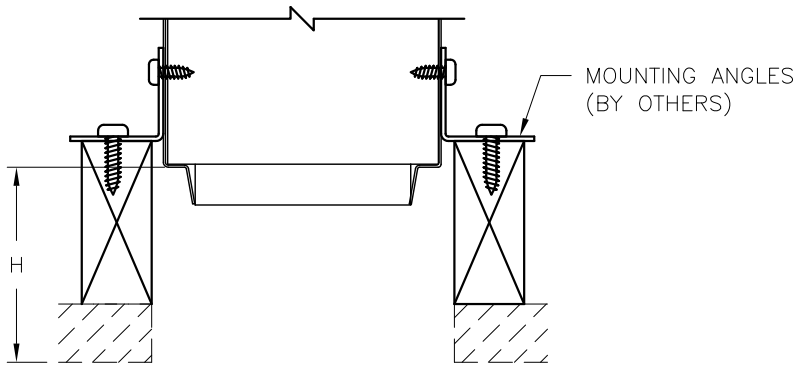
FRAME TYPE	END CONDITION	CEILING OPENING LENGTH
21P, 22P	W-W*	ORDERED SIZE + 3/4" (19)
	W-X*	ORDERED SIZE + 3/4" (19)
	W-Z*	ORDERED SIZE + 1/2" (13)
	X-X	ORDERED SIZE + 3/4" (19)
	X-Z	ORDERED SIZE + 1/2" (13)
	Z-Z	ORDERED SIZE + 1/4" (6)

\* W ENDCAPS NOT AVAILABLE ON TYPE 22P

MODEL	SLOT QTY.	OPENING WIDTH
AS210 / JS210	1 SLOT	3 1/4" (83)
	2 SLOT	5 9/16" (141)
AS215 / JS215	1 SLOT	4 1/4" (108)
	2 SLOT	7 9/16" (192)
AS220 / JS220	1 SLOT	5 1/4" (133)
	2 SLOT	9 9/16" (243)
AS225 / JS225	1 SLOT	6 1/4" (159)
	2 SLOT	11 9/16" (294)
AS230 / JS230	1 SLOT	7 1/4" (184)
	2 SLOT	13 9/16" (344)




**STEP 2:**  
INSTALL PLENUM. USE PRICE MODEL ASP OR JSP PLENUM. PLENUM MUST BE INSTALLED IN THE CEILING AT THE HEIGHT ABOVE FINISHED DRYWALL SHOWN. SECURE PLENUM TO FRAMING OR HANG FROM STRUCTURE AS REQUIRED BY LOCAL BUILDING CODE. SUGGESTED INSTALLATION USING MOUNTING ANGLES IS SHOWN.



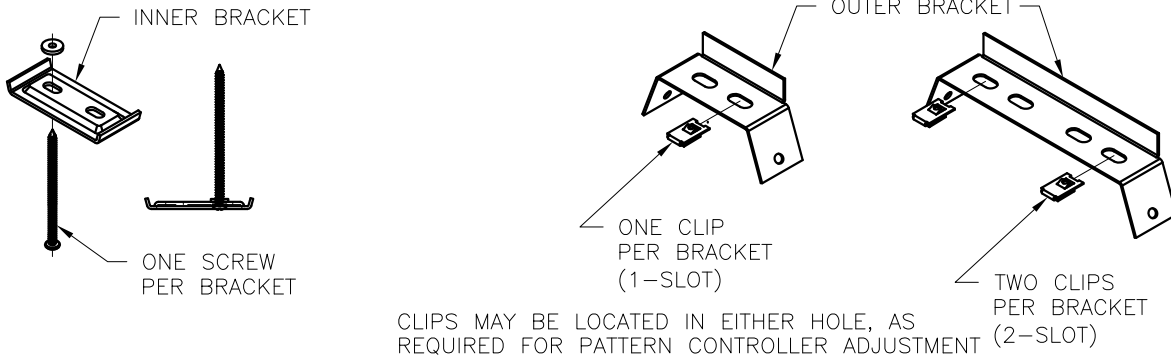
MODEL	H
AS210 / JS210	2 3/16" (56)
AS215 / JS215	2 7/16" (62)
AS220 / JS220	2 1 1/16" (68)
AS225 / JS225	2 15/16" (75)
AS230 / JS230	3 3/16" (81)

**STEP 3:**  
INSTALL DRYWALL. IF USING EXPOSED FRAME, TYPE 21P, FINISH DRYWALL AND PAINT. IF USING CONCEALED FRAMES, TYPE 22P, DO NOT FINISH DRYWALL UNTIL AFTER INSTALLING DIFFUSER.

<b>PRICE®</b>	
	<b>CUSTOM FLOW</b>
I100031	INSTALLATION INSTRUCTIONS TYPES 21P & 22P
2011/02/24	

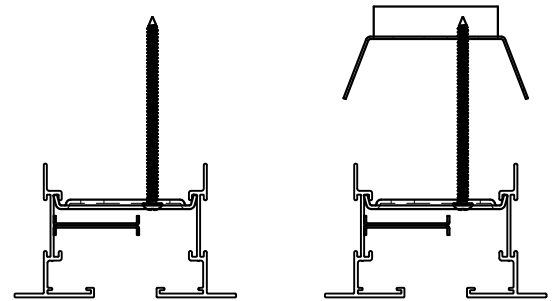
**STEP 4:**

PREPARE BRACKETS BY INSERTING ONE SCREW THROUGH EACH INNER BRACKET, AND PUSHING A RUBBER GROMMET DOWN THE SHAFT OF THE SCREW. SLIDE J-NUT ONTO OUTER BRACKETS.



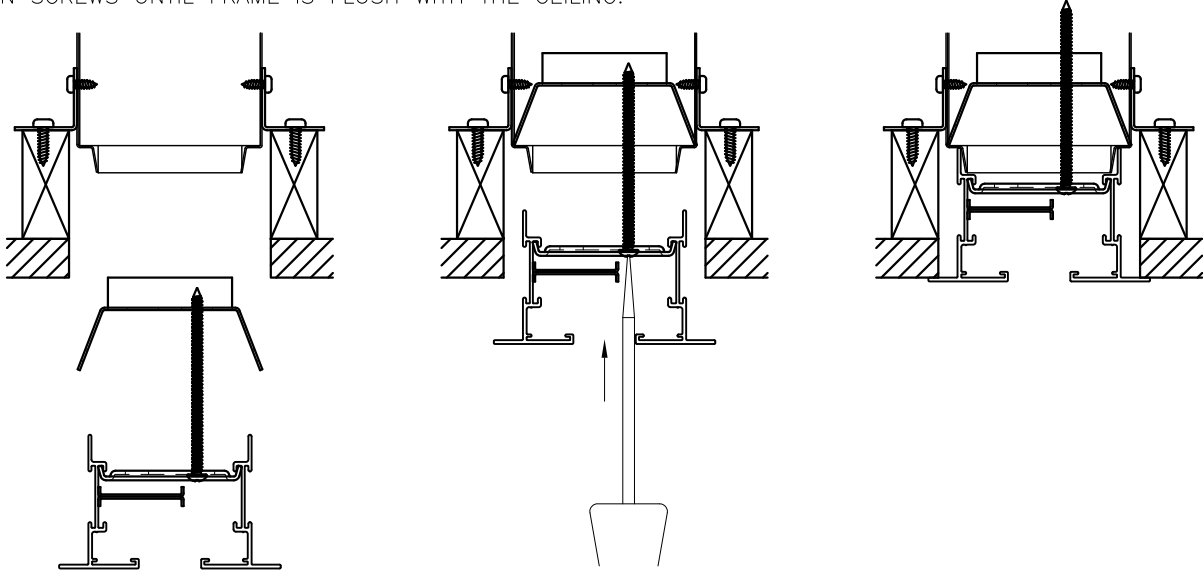
**STEP 5:**

INSTALL INNER BRACKETS INTO DIFFUSER. DEFLECT FRAME STACK AND SNAP BRACKET INTO DIFFUSER FRAME. BRACKETS ARE REQUIRED APPROXIMATELY EVERY 36" (914) TO 48" (1219). THREAD OUTER BRACKET 1/4" (6) ONTO SCREWS.




**STEP 6:**

POSITION DIFFUSER IN CEILING. USING A SCREWDRIVER, PUSH UPWARD ON THE SCREW UNTIL THE BRACKET SNAPS IN PLACE. IF DIFFUSER IS MULTIPLE SECTIONS IN LENGTH, ALIGN SECTIONS USING SPLICE PLATES. TIGHTEN SCREWS UNTIL FRAME IS FLUSH WITH THE CEILING.



**STEP 7:**

ADJUST BLADES FOR DESIRED AIR PATTERN. IF USING CONCEALED FRAME, TYPE 22P, FINISH DRYWALL CEILING AS PER INSTALLATION INSTRUCTION 1100030.

<b>PRICE</b> <sup>®</sup>	
	<b>CUSTOM FLOW</b>
1100031	INSTALLATION INSTRUCTIONS TYPES 21P & 22P
2011/02/24	

ALWAYS READ & UNDERSTAND ALL INSTALLATION INSTRUCTIONS PRIOR TO STARTING.

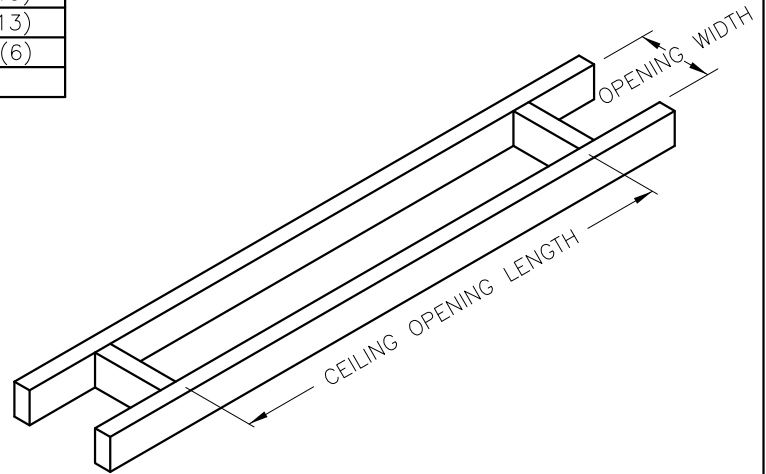
THIS INSTRUCTION APPLIES TO CUSTOM FLOW LINEAR DIFFUSERS, MODELS AS AND JS, WITH CONCEALED FRAME AND TYPE 'A' SCREW MOUNTING (FRAME TYPES 22A AND 22ASM).

FOR INSTRUCTIONS ON COMPLETING DRYWALL TAPING AFTER INSTALLING DIFFUSER, ALSO SEE INSTALLATION INSTRUCTION I100030.

**STEP 1:**  
FRAME CEILING OPENING. REFER TO CHARTS FOR RECOMMENDED OPENING WIDTH AND LENGTH DIMENSIONS.

FRAME TYPE	END CONDITION	CEILING OPENING LENGTH
22A	X-X	ORDERED SIZE + $\frac{3}{4}$ " (19)
	X-Z	ORDERED SIZE + $\frac{1}{2}$ " (13)
	Z-Z	ORDERED SIZE + $\frac{1}{4}$ " (6)
22ASM	ALL	NOMINAL SIZE

MODEL	SLOT QTY.	OPENING WIDTH
AS210 / JS210	1 SLOT	$3\frac{1}{4}$ " (83)
	2 SLOT	$5\frac{9}{16}$ " (141)
AS215 / JS215	1 SLOT	$4\frac{1}{4}$ " (108)
	2 SLOT	$7\frac{9}{16}$ " (192)
AS220 / JS220	1 SLOT	$5\frac{1}{4}$ " (133)
	2 SLOT	$9\frac{9}{16}$ " (243)
AS225 / JS225	1 SLOT	$6\frac{1}{4}$ " (159)
	2 SLOT	$11\frac{9}{16}$ " (294)
AS230 / JS230	1 SLOT	$7\frac{1}{4}$ " (184)
	2 SLOT	$13\frac{9}{16}$ " (344)

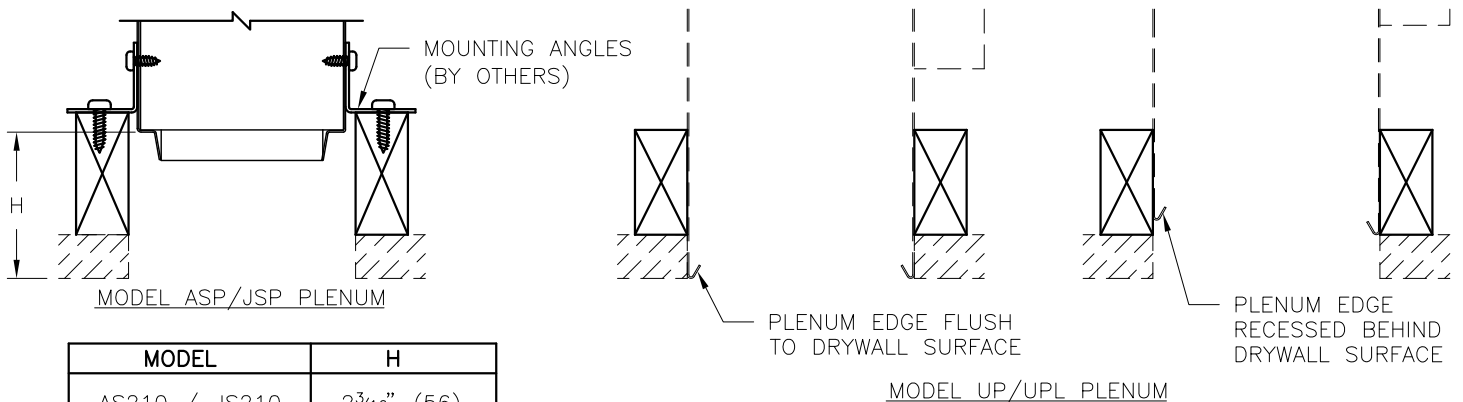


**STEP 2:**  
INSTALL PLENUM (IF REQUIRED).

FOR PRICE MODEL ASP OR JSP PLENUM, PLENUM MUST BE INSTALLED IN THE CEILING AT THE HEIGHT ABOVE FINISHED DRYWALL SHOWN. SUGGESTED INSTALLATION USING MOUNTING ANGLES IS SHOWN.

FOR PRICE MODEL UP OR UPL PLENUM, OR FIELD BUILT PLENUM, PLENUM MAY BE INSTALLED FLUSH TO FRAMING, OR LOCATED TO BE FLUSH WITH FINISHED DRYWALL.

SECURE PLENUM TO FRAMING OR HANG FROM STRUCTURE AS REQUIRED BY LOCAL BUILDING CODE.



MODEL	H
AS210 / JS210	$2\frac{3}{16}$ " (56)
AS215 / JS215	$2\frac{7}{16}$ " (62)
AS220 / JS220	$2\frac{11}{16}$ " (68)
AS225 / JS225	$2\frac{15}{16}$ " (75)
AS230 / JS230	$3\frac{3}{16}$ " (81)

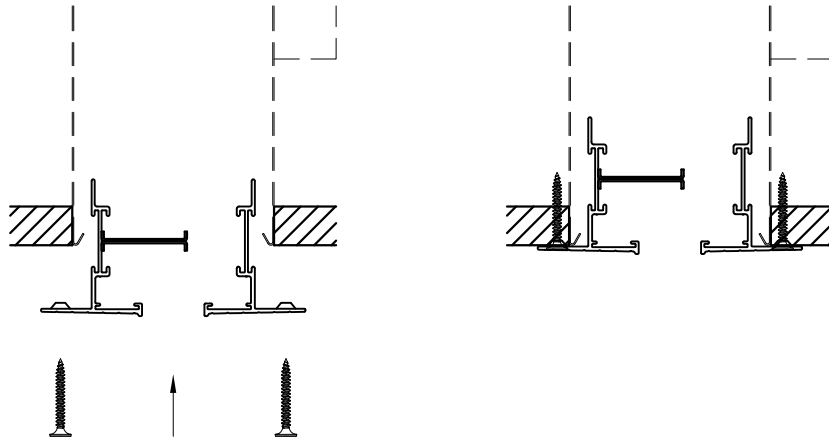
<b>PRICE</b> <sup>®</sup>	
	<b>CUSTOM FLOW</b>
I100032	INSTALLATION INSTRUCTIONS TYPES 22A & 22ASM
2011/02/28	

STEP 3:

INSTALL DRYWALL. FOR BEST FINISH, USE TAPERED EDGES OF THE DRYWALL AROUND THE OPENING.. DO NOT FINISH DRYWALL UNTIL AFTER INSTALLING DIFFUSER.

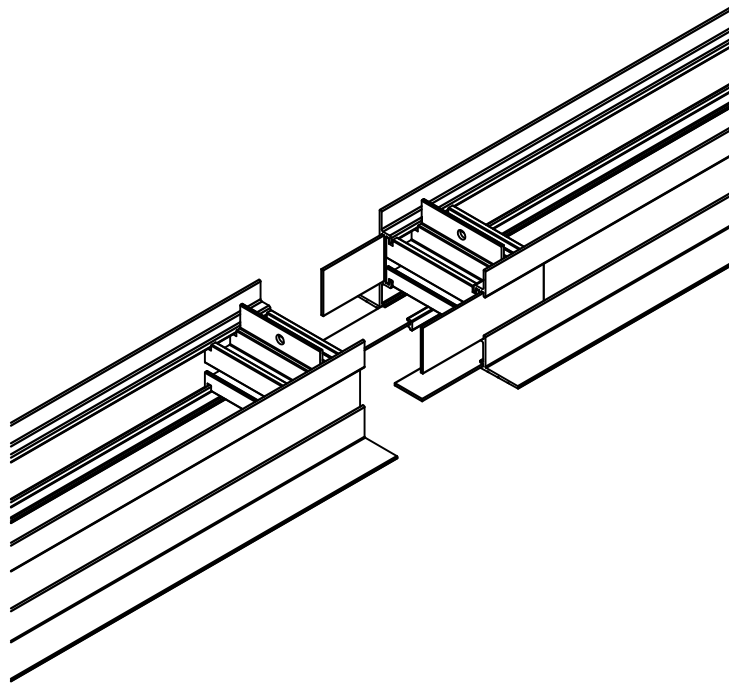
STEP 4:

INSTALL DIFFUSER INTO CEILING USING DRYWALL SCREWS.



STEP 5:

IF DIFFUSER IS MULTIPLE SECTIONS IN LENGTH, CONTINUE INSTALLING SECTIONS, AND ALIGN SECTIONS USING SPLICE PLATES.




STEP 6:

FINISH DRYWALL CEILING AS PER INSTALLATION INSTRUCTION I100030.

STEP 7:

ADJUST BLADES FOR DESIRED AIR PATTERN.

<b>PRICE</b> <sup>®</sup>	
	<b>CUSTOM FLOW</b>
I100032	INSTALLATION INSTRUCTIONS TYPES 22A & 22ASM
2011/02/24	

ALWAYS READ & UNDERSTAND ALL INSTALLATION INSTRUCTIONS PRIOR TO STARTING.

THIS INSTRUCTION APPLIES TO CUSTOM FLOW LINEAR DIFFUSERS, MODELS AS AND JS, SUPPLIED WITH MOUNTING PLATES (FRAME TYPES 21 AND 22).

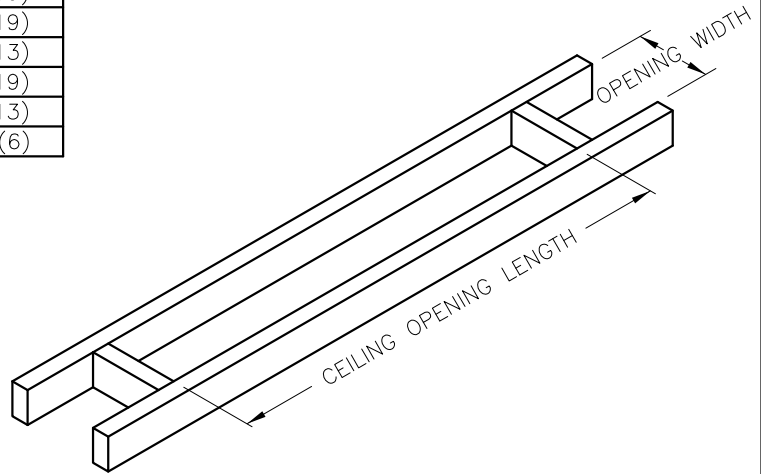
FOR INSTRUCTIONS ON COMPLETING DRYWALL TAPING FOR CONCEALED FRAME TYPE 22, ALSO SEE INSTALLATION INSTRUCTION I100030.

**STEP 1:**  
FRAME CEILING OPENING. REFER TO CHARTS FOR RECOMMENDED OPENING WIDTH AND LENGTH DIMENSIONS.

FRAME TYPE	END CONDITION	CEILING OPENING LENGTH
21, 22	W-W*	ORDERED SIZE + 3/4" (19)
	W-X*	ORDERED SIZE + 3/4" (19)
	W-Z*	ORDERED SIZE + 1/2" (13)
	X-X	ORDERED SIZE + 3/4" (19)
	X-Z	ORDERED SIZE + 1/2" (13)
	Z-Z	ORDERED SIZE + 1/4" (6)

\* W ENDCAPS NOT AVAILABLE ON TYPE 22

MODEL	SLOT QTY.	OPENING WIDTH
AS210 / JS210	1 SLOT	3 1/4" (83)
	2 SLOT	5 9/16" (141)
AS215 / JS215	1 SLOT	4 1/4" (108)
	2 SLOT	7 9/16" (192)
AS220 / JS220	1 SLOT	5 1/4" (133)
	2 SLOT	9 9/16" (243)
AS225 / JS225	1 SLOT	6 1/4" (159)
	2 SLOT	11 9/16" (294)
AS230 / JS230	1 SLOT	7 1/4" (184)
	2 SLOT	13 9/16" (344)

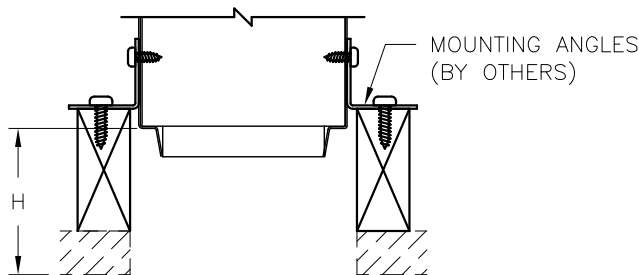


**STEP 2:**

INSTALL PLENUM (IF REQUIRED). USE PRICE MODEL ASP OR JSP, OR FIELD BUILT PLENUM. FOR ASP / JSP, PLENUM MUST BE INSTALLED IN THE CEILING AT THE HEIGHT ABOVE FINISHED DRYWALL SHOWN. SUGGESTED INSTALLATION USING MOUNTING ANGLES IS SHOWN.

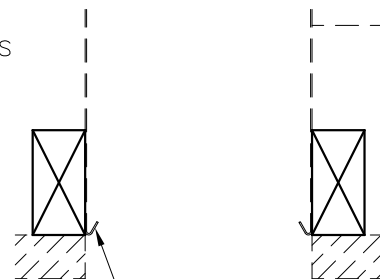
FIELD BUILT PLENUM SHOULD BE INSTALLED FLUSH TO FRAMING MEMBERS.

SECURE PLENUM TO FRAMING OR HANG FROM STRUCTURE AS REQUIRED BY LOCAL BUILDING CODE. PLENUM MAY BE INSTALLED FLUSH TO FRAMING, OR LOCATED TO BE FLUSH WITH FINISHED DRYWALL.



ASP / JSP PLENUM INSTALLATION

MODEL	H
AS210 / JS210	2 3/16" (56)
AS215 / JS215	2 7/16" (62)
AS220 / JS220	2 11/16" (68)
AS225 / JS225	2 15/16" (75)
AS230 / JS230	3 3/16" (81)



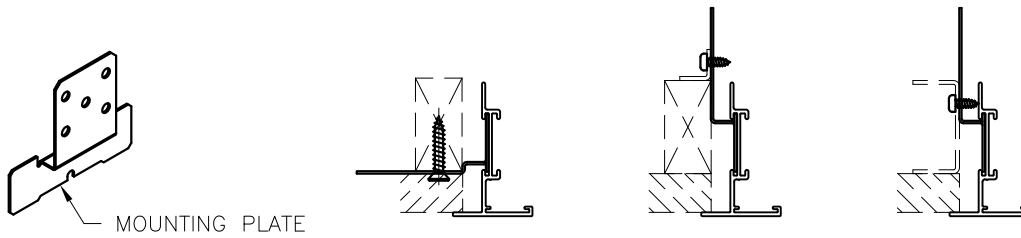
PLENUM EDGE RECESSED BEHIND DRYWALL SURFACE (HEM IS OPTIONAL)

FIELD BUILT PLENUM INSTALLATION

<b>PRICE</b> <sup>®</sup>	
	<b>CUSTOM FLOW</b>
I100033	INSTALLATION INSTRUCTIONS TYPES 21 & 22
2011/03/08	

**STEP 3:**

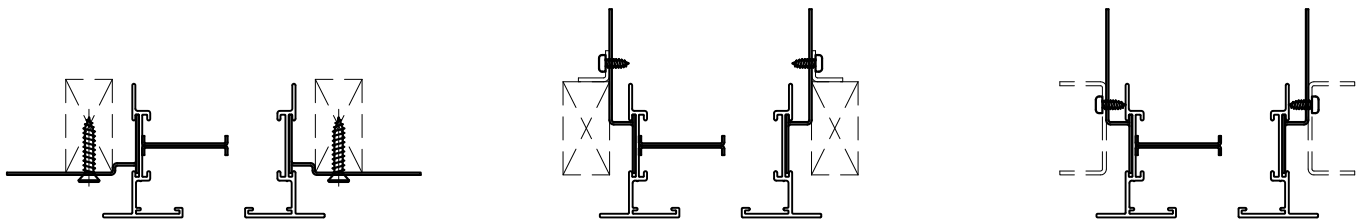
PREPARE MOUNTING PLATES. BEND AS REQUIRED – SUGGESTED INSTALLATIONS ARE SHOWN BELOW. THE SELECTED BRACKET CONFIGURATION MUST NOT INTERFERE WITH THE PLENUM MOUNTING. SLIDE MOUNTING PLATES INTO THE CHANNELS ON BOTH SIDES OF THE DIFFUSER ON APPROXIMATELY 36" (914) SPACING.



MOUNTING PLATE

**STEP 4:**

SCREW MOUNTING PLATES TO FRAMEWORK. TEMPORARY SPACERS MAY BE USED DURING INSTALLATION TO ADJUST THE DIFFUSER TO THE CORRECT LOCATION FOR THE DRYWALL.

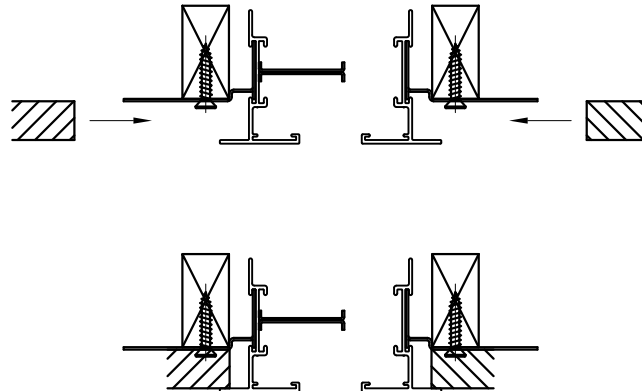


**STEP 5:**

IF MULTIPLE SECTION DIFFUSERS ARE USED, ALIGN SECTIONS TOGETHER USING THE SUPPLIED SPLICE PLATES AS ADDITIONAL SECTIONS ARE INSTALLED.

**STEP 6:**

INSTALL DRYWALL BY SLIDING BEHIND DIFFUSER FACE, AND FASTENING TO CEILING FRAMING. FOR EASIEST INSTALLATION, SLIDE TAPERED EDGE OF SHEET BEHIND THE DIFFUSER FACE..




**STEP 7:**

FINISH AND PAINT DRYWALL. IF USING CONCEALED FRAMES, STYLE 22, SEE INSTALLATION INSTRUCTION I100030.

**STEP 8:**

ADJUST BLADES FOR DESIRED AIR PATTERN.

<b>PRICE</b> <sup>®</sup>	
	<b>CUSTOM FLOW</b>
I100033	INSTALLATION INSTRUCTIONS TYPES 21 & 22
2011/03/08	

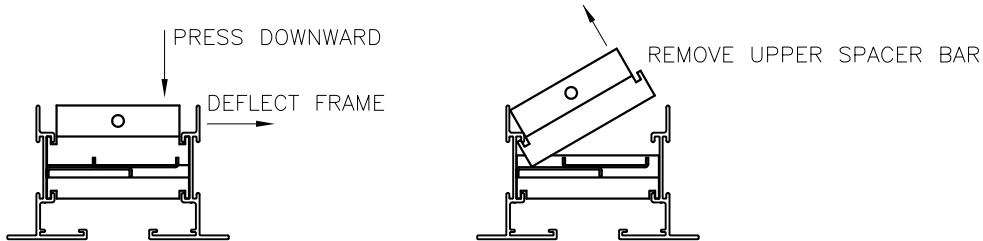
ALWAYS READ & UNDERSTAND ALL INSTALLATION INSTRUCTIONS PRIOR TO STARTING.

THIS INSTRUCTION APPLIES TO CUSTOM FLOW LINEAR DIFFUSERS, MODELS AS AND JS.

FIELD TRIMMING OF X-X (MITRED) END CONDITIONS IS NOT RECOMMENDED. FIELD TRIMMING ON MULTIPLE SECTION UNITS WITH MITRED ENDS MAY BE ACCOMPLISHED BY TRIMMING THE OPEN END.

**STEP 1:**

REMOVE ENDCAP, IF REQUIRED. REMOVE UPPER SPACER BAR AT ONE END – APPLY DOWNWARD PRESSURE TO COMPRESS GASKET, DEFLECT THE FRAME OUTWARD, AND REMOVE.



**STEP 2:**

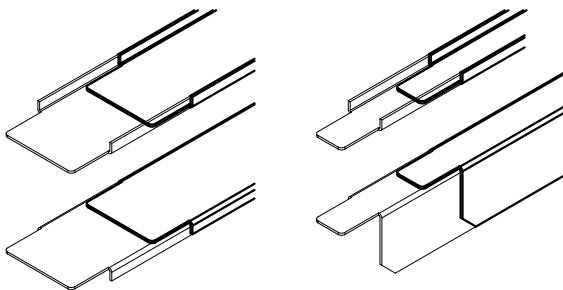
REMOVE THE PATTERN CONTROL BLADES, LOWER SPACER BAR AND COMPRESSION GASKETS.

**STEP 3:**

CUT FRAMES TO LENGTH, MAKING SURE THE CUT IS CLEAN AND SQUARE. CARE SHOULD BE TAKEN NOT TO CHIP THE PAINT WHEN CUTTING. SPACER BARS MAY BE REINSTALLED, IF REQUIRED, TO SUPPORT THE FRAMES WHILE CUTTING.

**STEP 4:**

CAREFULLY TRIM PATTERN CONTROL BLADES TO LENGTH USING TIN SNIPS, AND NOTCH FLANGES 11/16" (17), AS SHOWN.



AS SERIES

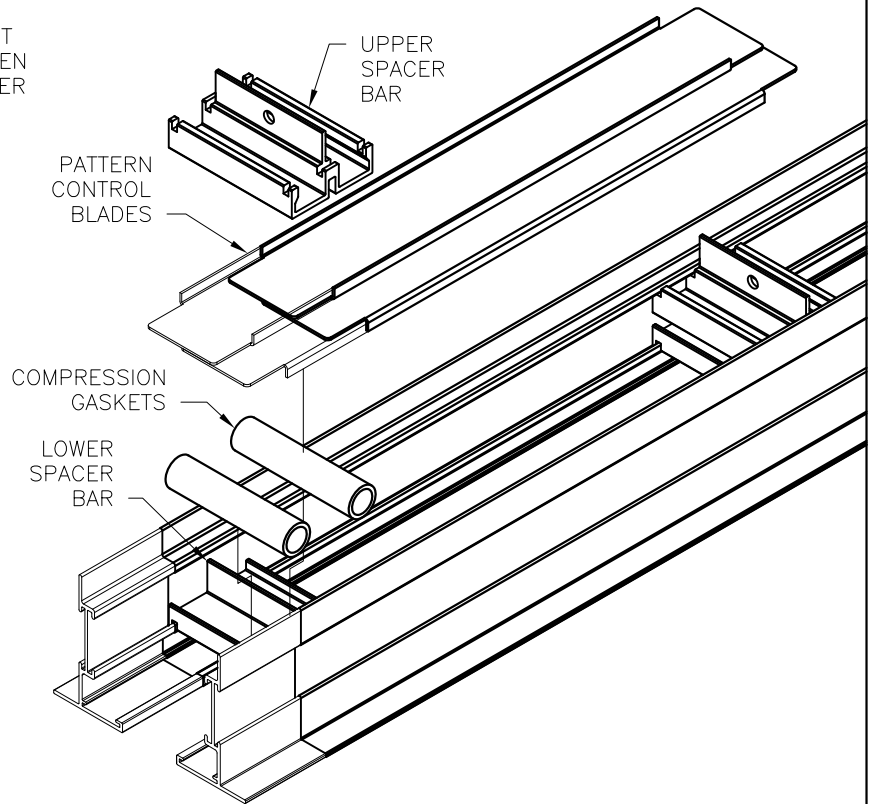
JS SERIES

**STEP 5:**

REPLACE LOWER SPACER BAR. PLACE COMPRESSION GASKETS ON LOWER SPACER BAR. SLIDE BLADES INTO PLACE, REPLACE UPPER SPACER BAR, AND HOOK INTO FRAME STACK BY DEFLECTING FRAME OUTWARDS.

**STEP 6:**

CONTINUE INSTALLATION OF DIFFUSER AS REQUIRED, AND ADJUST BLADES FOR DESIRED AIR DISCHARGE PATTERN.



ALWAYS READ & UNDERSTAND ALL INSTALLATION INSTRUCTIONS PRIOR TO STARTING.

THIS INSTRUCTION APPLIES TO CUSTOM FLOW LINEAR DIFFUSERS, MODELS AS AND JS, FOR INSTALLATION IN CONTINUOUS RUNS IN SUSPENDED T-BAR CEILINGS (TYPES 21, 21P AND 21LI).

**STEP 1:**

INSTALL PERIMETER WALL ANGLE FOR CEILING SYSTEM. MAIN AND CROSS TEE INSTALLATION MAY ALSO PROCEED, EXCEPT FOR ANY CROSS TEES THAT WILL REST ON THE BACK OF THE DIFFUSER FACE.

**STEP 2:**

SUSPEND DIFFUSER SECTION USING HANGER WIRE THROUGH MOUNTING PLATE OR HOLE IN UPPER SPACER BAR.

NOTE – IT MAY BE EASIER TO INSTALL PLENUMS TO DIFFUSER, OR SUSPEND PLENUMS FROM THE CEILING STRUCTURE PRIOR TO INSTALLING DIFFUSER.

**STEP 3:**

CONTINUE HANGING DIFFUSER SECTIONS, CONNECTING SECTIONS TOGETHER WITH ALIGNMENT SPLICE PLATES, AS REQUIRED.

ADJUST HANGER WIRES TO MAKE DIFFUSERS HANG LEVEL.

**STEP 4:**

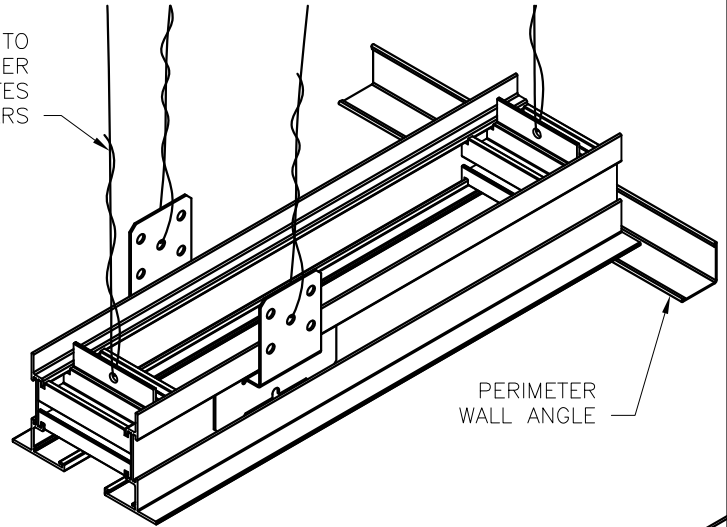
ATTACH PLENUM TO DIFFUSER. HANG OR SECURE PLENUM TO STRUCTURE AS REQUIRED BY LOCAL BUILDING CODES.

FOR TYPE 21P DIFFUSER, MOUNT ASP / JSP PLENUM BY CLIPPING IN PLACE, AS SHOWN.

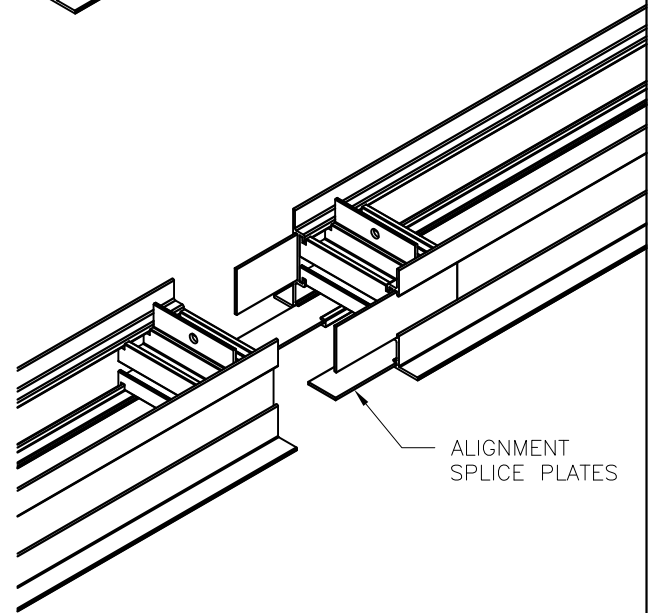
FOR TYPE 21LI DIFFUSER, MOUNT UP / UPL PLENUM BY SCREWING PLENUM TO DIFFUSER FRAME, AS SHOWN.

(SEE PAGE 2 FOR TYPE 21P DETAILS)

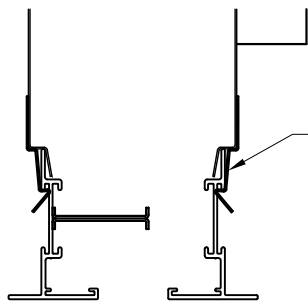
HANGER WIRE TO SUSPEND DIFFUSER FROM MOUNTING PLATES OR SPACER BARS



PERIMETER WALL ANGLE

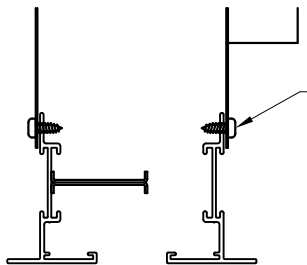


ALIGNMENT SPLICE PLATES




ASP / JSP TYPE 1 PLENUM CLIPS

TYPE 21 WITH ASP / JSP



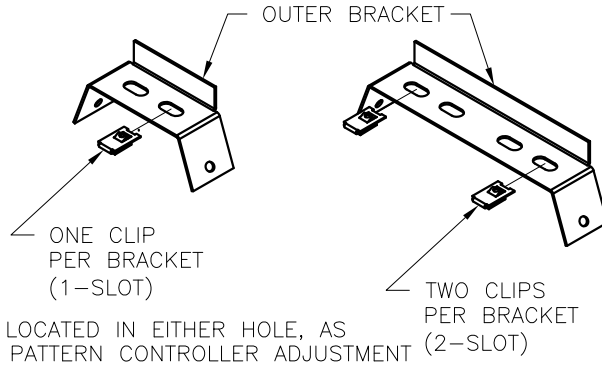
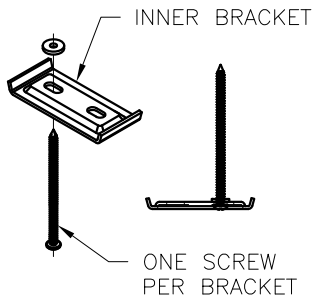
ATTACH PLENUM WITH SHEET METAL SCREWS

TYPE 21LI WITH UP / UPL

<b>PRICE</b> <sup>®</sup>	
	<b>CUSTOM FLOW</b>
1100035	INSTALLATION INSTRUCTIONS T-BAR CEILINGS
2011/03/08	

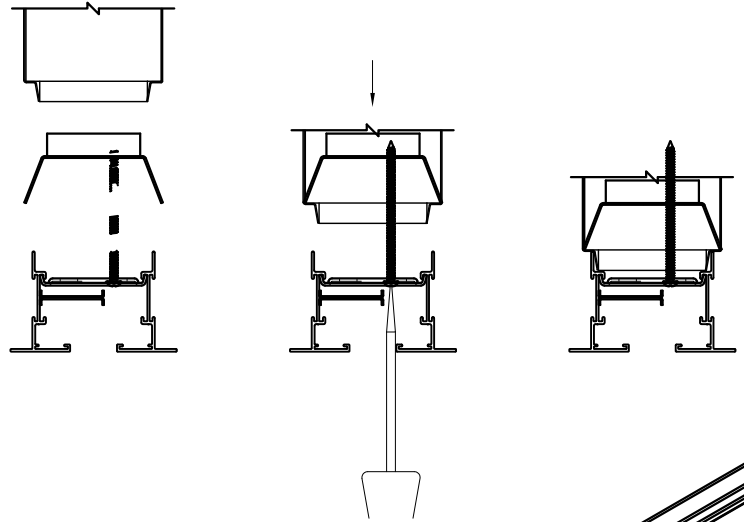
**STEP 4 (CONTINUED):**

FOR TYPE 21P WITH ASP / JSP PLENUMS, BEGIN BY PREPARING BRACKETS. INSERT ONE SCREW THROUGH EACH INNER BRACKET, AND PUSH A RUBBER GROMMET DOWN THE SHAFT OF THE SCREW. SLIDE J-NUT ONTO OUTER BRACKETS.



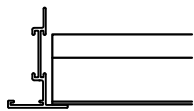
DEFLECT FRAME STACK AND SNAP BRACKET INTO DIFFUSER FRAME. BRACKETS ARE REQUIRED APPROXIMATELY EVERY 36" (914) TO 48" (1219). THREAD OUTER BRACKET 1/4" (6) ONTO SCREWS.

POSITION PLENUM ON DIFFUSER. USING A SCREWDRIVER, PUSH UPWARD ON THE SCREW UNTIL THE BRACKET SNAPS IN PLACE. TIGHTEN SCREWS.

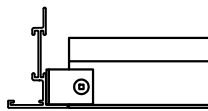


**STEP 5:**

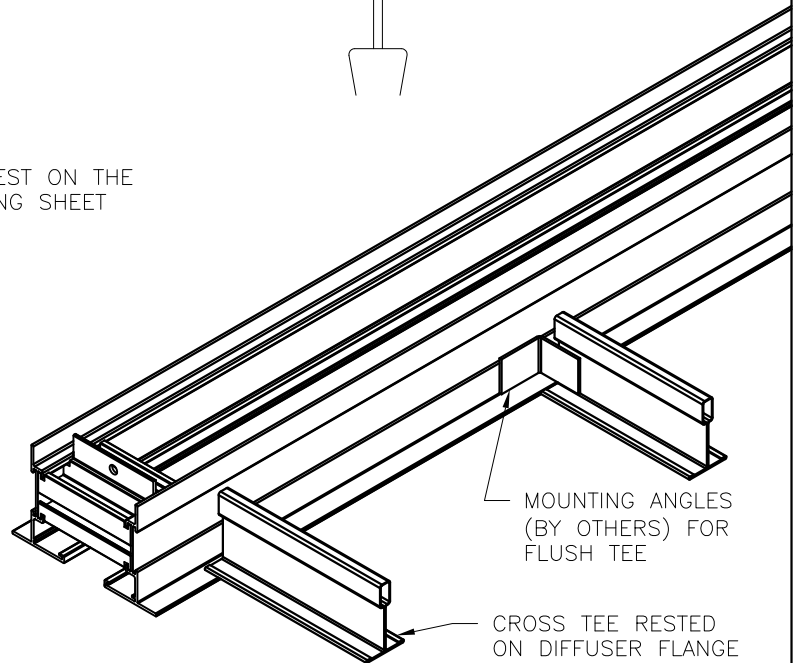
COMPLETE T-BAR INSTALLATION. CROSS TEES MAY REST ON THE DIFFUSER FLANGE, OR CUT FLUSH AND ATTACHED USING SHEET METAL ANGLES, AS SHOWN. INSTALL CEILING TILES.



CROSS TEE RESTED ON DIFFUSER FLANGE



CROSS TEE FLUSH TO DIFFUSER FACE USING MOUNTING ANGLE (BY OTHERS)



**STEP 6:**

ADJUST BLADES FOR DESIRED AIR PATTERN.

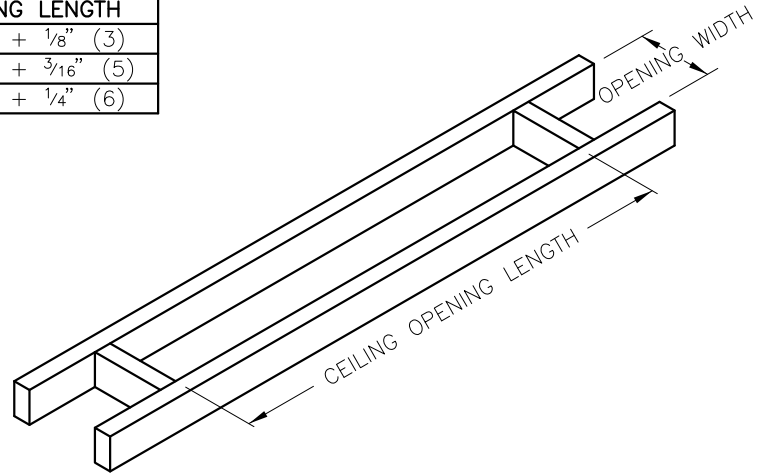
ALWAYS READ & UNDERSTAND ALL INSTALLATION INSTRUCTIONS PRIOR TO STARTING.

THIS INSTRUCTION APPLIES TO CUSTOM FLOW LINEAR DIFFUSERS, MODELS AS AND JS, WITH CONCEALED BEVELLED FRAME (TYPES 41 AND 41P), FOR INSTALLATION WITH OR WITHOUT MODEL ASP OR JSP PLENUMS.

**STEP 1:**  
FRAME CEILING OPENING. REFER TO CHARTS FOR RECOMMENDED OPENING WIDTH AND LENGTH DIMENSIONS.

FRAME TYPE	END CONDITION	CEILING OPENING LENGTH
41, 41P	Y-Y	ORDERED SIZE + 1/8" (3)
	Y-Z	ORDERED SIZE + 3/16" (5)
	Z-Z	ORDERED SIZE + 1/4" (6)

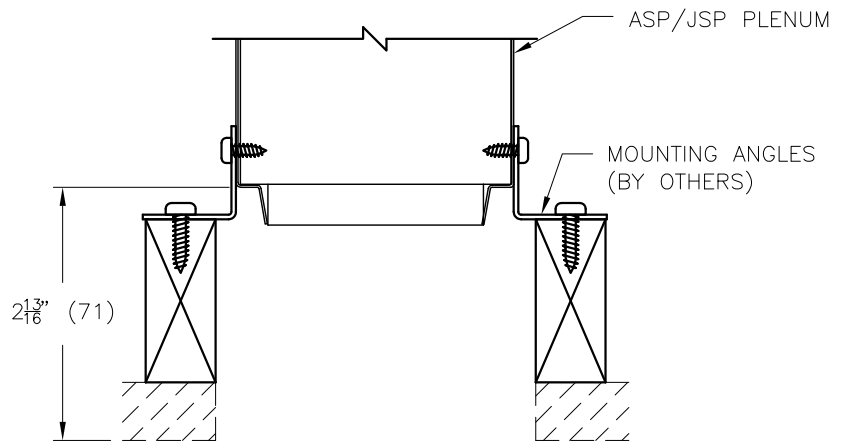
MODEL	OPENING WIDTH
AS210 / JS210	3 7/16" (87)
AS215 / JS215	3 15/16" (100)
AS220 / JS220	4 7/16" (113)
AS225 / JS225	4 15/16" (125)
AS230 / JS230	5 7/16" (138)



**STEP 2:**  
INSTALL PLENUM (IF REQUIRED). USE PRICE MODEL ASP OR JSP PLENUM. PLENUM MUST BE INSTALLED IN THE CEILING AT THE HEIGHT ABOVE FINISHED DRYWALL SHOWN.

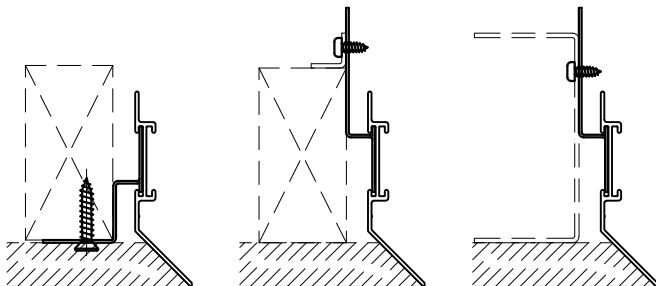
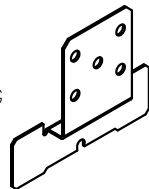
SECURE PLENUM TO FRAMING OR HANG FROM STRUCTURE AS REQUIRED BY LOCAL BUILDING CODE.

SUGGESTED INSTALLATION USING MOUNTING ANGLES IS SHOWN.

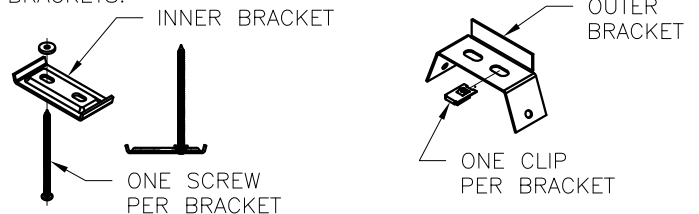



**STEP 3:**  
PREPARE MOUNTING PLATES OR BRACKETS:

**FOR TYPE 41**  
BEND AS REQUIRED. SUGGESTED INSTALLATIONS ARE SHOWN BELOW. MAKE SURE THAT SELECTED MOUNTING DOES NOT INTERFERE WITH PLENUM. SLIDE PLATES INTO DIFFUSER ON APPROXIMATELY 36" (914) SPACING.



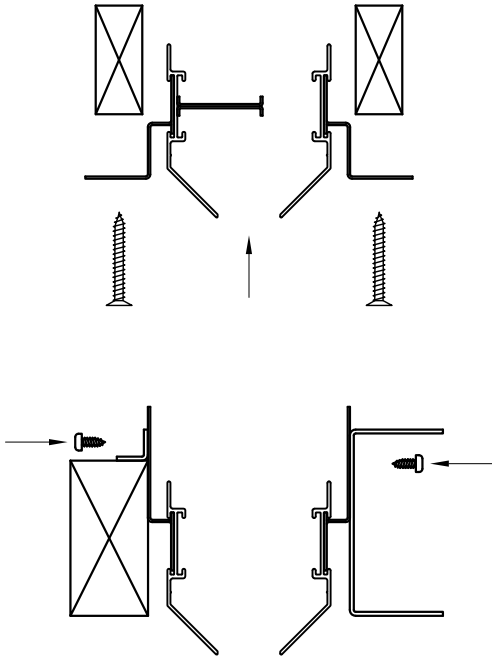
**FOR TYPE 41P**  
INSERT ONE SCREW THROUGH EACH INNER BRACKET, AND PUSH A RUBBER GROMMET DOWN THE SHAFT OF THE SCREW. SLIDE J-NUT ONTO OUTER BRACKETS.



<b>PRICE®</b>	
	<b>CUSTOM FLOW</b>
I100036	INSTALLATION INSTRUCTIONS TYPES 41 & 41P
2011/03/08	

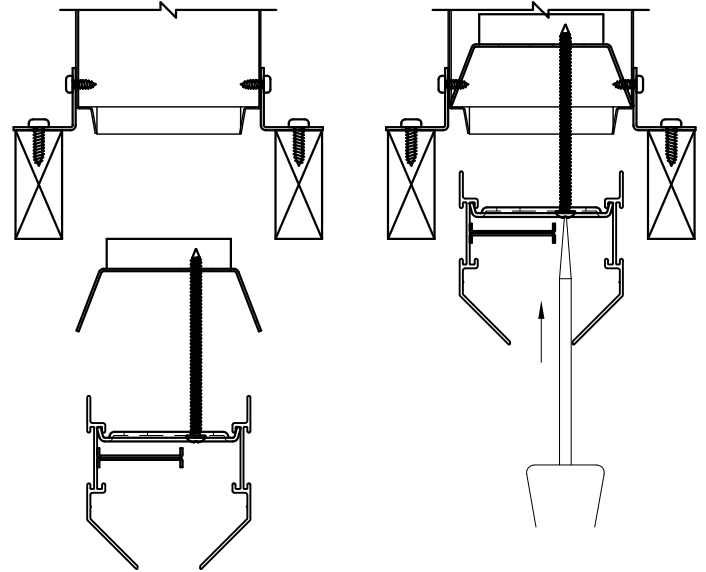
**STEP 4:**  
MOUNT DIFFUSER:

**FOR TYPE 41**  
SCREW MOUNTING PLATES TO FRAMEWORK. TEMPORARY SPACERS MAY BE USED DURING INSTALLATION TO ADJUST THE DIFFUSER TO THE CORRECT LOCATION FOR THE DRYWALL.



**FOR TYPE 41P**  
DEFLECT FRAME STACK AND SNAP BRACKET INTO DIFFUSER FRAME. BRACKETS ARE REQUIRED APPROXIMATELY EVERY 36" (914) TO 48" (1219). THREAD OUTER BRACKET 1/4" (6) ONTO SCREWS.

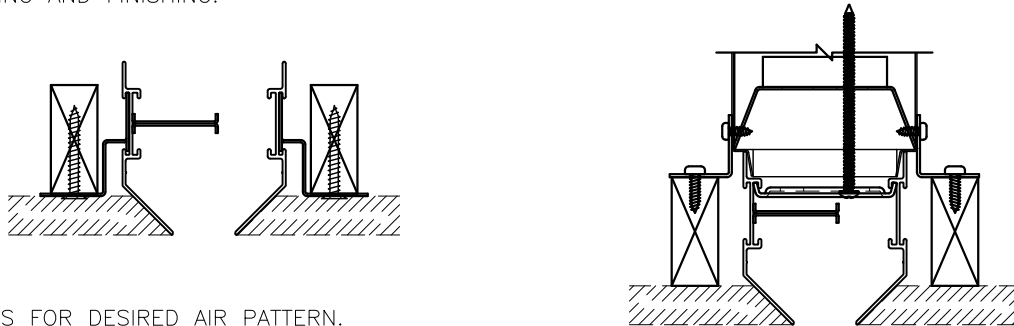
POSITION DIFFUSER IN CEILING. USING A SCREWDRIVER, PUSH UPWARD ON THE SCREW UNTIL THE BRACKET SNAPS IN PLACE. TIGHTEN SCREWS.



**STEP 5:**  
IF MULTIPLE SECTION DIFFUSERS ARE USED, ALIGN SECTIONS TOGETHER USING THE SUPPLIED SPLICE PLATES AS ADDITIONAL SECTIONS ARE INSTALLED.

**STEP 6:**  
INSTALL CEILING MATERIAL. EDGES OF THE MILLWORK OR DRYWALL SHOULD BE BEVELLED 45° TO CONFORM TO DIFFUSER FACE.

IF DRYWALL IS BEING USED, DIFFUSER FACE SHOULD BE THOROUGHLY CLEANED TO REMOVE ANY OILS OR RESIDUE FROM THE SURFACE PRIOR TO TAPING AND PLASTERING. USE OF A BONDING AGENT IS RECOMMENDED PRIOR TO TAPING AND FINISHING.



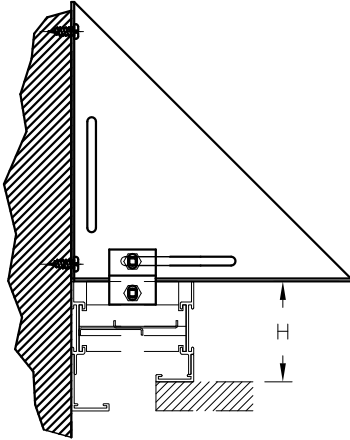
**STEP 7:**  
ADJUST BLADES FOR DESIRED AIR PATTERN.

<b>PRICE</b> <sup>®</sup>	
<i>RV</i>	<b>CUSTOM FLOW</b>
1100036	INSTALLATION INSTRUCTIONS TYPES 41 & 41P
2011/03/08	

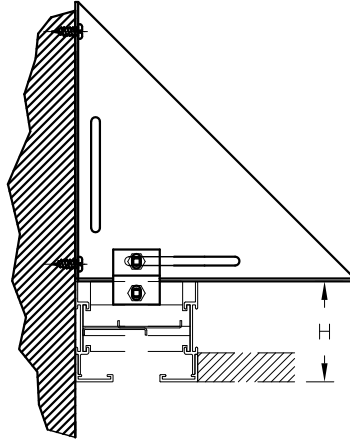
ALWAYS READ & UNDERSTAND ALL INSTALLATION INSTRUCTIONS PRIOR TO STARTING.

THIS INSTRUCTION APPLIES TO CUSTOM FLOW LINEAR DIFFUSERS, MODELS AS AND JS, FOR ROOM PERIMETER INSTALLATION (FRAME TYPES 51 AND 51F).

STEP 1:  
SCREW MOUNTING GUSSETS ONTO SIDEWALL. USE DIFFUSER AS TEMPLATE TO MARK GUSSET LOCATIONS ALONG WALL. GUSSET MUST BE INSTALLED AT THE HEIGHT ABOVE THE FINISHED CEILING SHOWN.



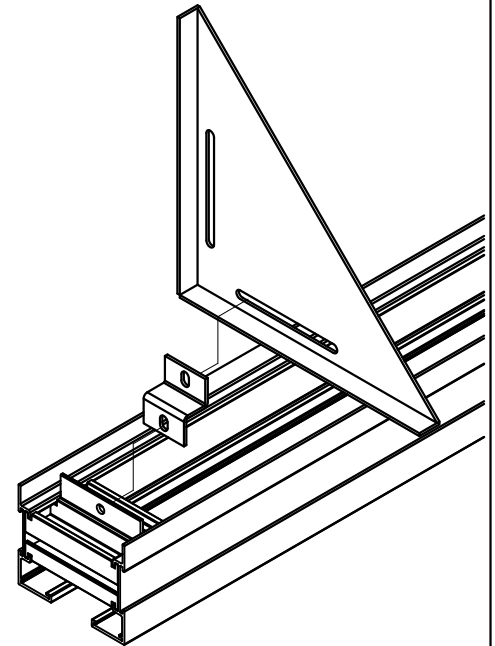
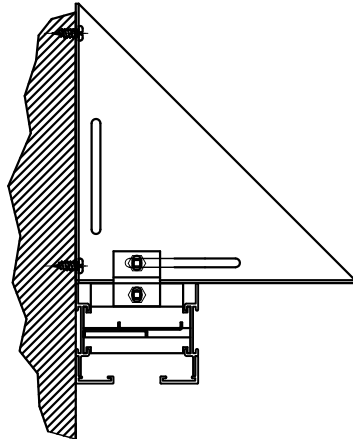
TYPE 51



TYPE 51F

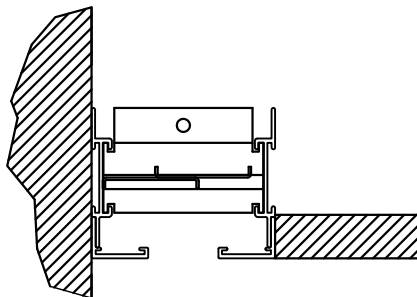
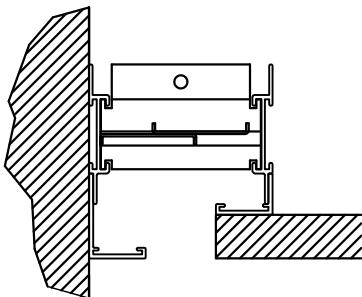
MODEL	H
AS210 / JS210	2 <sup>3</sup> / <sub>16</sub> " (56)
AS215 / JS215	2 <sup>7</sup> / <sub>16</sub> " (62)
AS220 / JS220	2 <sup>11</sup> / <sub>16</sub> " (68)
AS225 / JS225	2 <sup>15</sup> / <sub>16</sub> " (75)
AS230 / JS230	3 <sup>3</sup> / <sub>16</sub> " (81)

STEP 2:  
INSTALL DIFFUSER TO GUSSETS. USE NUTS AND BOLTS AND SUPPLIED MOUNTING CLIPS TO CONNECT DIFFUSER TO GUSSETS. INSTALL FIELD BUILT PLENUM (IF REQUIRED).



STEP 3:  
ADJUST BLADES FOR DESIRED AIR PATTERN.

STEP 4:  
FRAME CEILING AND INSTALL DRYWALL. FINISH AND PAINT AS REQUIRED.





**PRICE**  
INDUSTRIES

2975 Shawnee Ridge Court  
Suwanee, Georgia USA 30024  
Ph: 770.623.8050 Fax: 770.623.6404



**PRICE**  
INDUSTRIES

1290 Barrow Industrial Parkway  
Auburn, Georgia USA 30011



**PRICE**  
INDUSTRIES

999 North Thornton Road  
Casa Grande, Arizona USA 85222-3809



**e.h. price**  
LIMITED

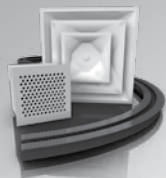
638 Raleigh Street  
Winnipeg, Manitoba Canada R2K 3Z9  
Ph: 204.669.4220 Fax: 204.663.2715

The founding principles of our company have never changed - business integrity, first class service and a commitment to people. Price manufacturing endeavors arose from our belief that we could supply superior products and services at a reasonable price. Our mission is to become the world-wide supplier of preference for air distribution products and services. You can rely on Price – our products and services – with confidence.

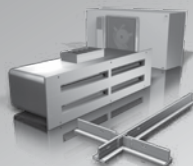
**Warranty:** The Company warrants and guarantees that all goods within this catalog that have been manufactured by the Company have been manufactured in accordance with the specifications published herein and will be free from defects in material and workmanship for a period of twelve (12) months from the date of Bill of Lading issued by the Company. The Company will replace defective product at its option, but will not be responsible for labor or material charges in replacing product or consequential damages. Any installation not conforming with the Company's specifications, manuals, bulletins or instructions or any misuse or any modification not authorized by the Company voids this warranty. This warranty is in lieu of all Provincial, State, and Federal statutory warranties and the conditions herein are in substitution and replacement of such warranties, statutory or otherwise.

Your Local Price Representative:

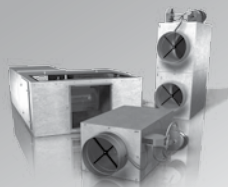
#### Grilles & Diffusers



#### Critical Environments



#### Terminals



#### Sustainable Building



#### Noise Control

