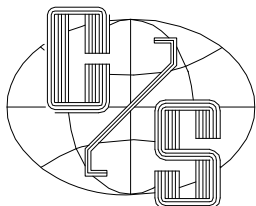


# INSTALLATION INSTRUCTIONS FOR ASSEMBLED LOUVERS

MODELS

A4177, DC-4174

- READ THESE INSTRUCTIONS COMPLETELY BEFORE STARTING INSTALLATION.
- USE THESE INSTRUCTIONS IN CONJUNCTION WITH C/S SHOP DRAWINGS



CONSTRUCTION SPECIALTIES, INC.

49 MEEKER AVENUE, CRANFORD, NEW JERSEY

*Creating products that make buildings better*

## STEP-1

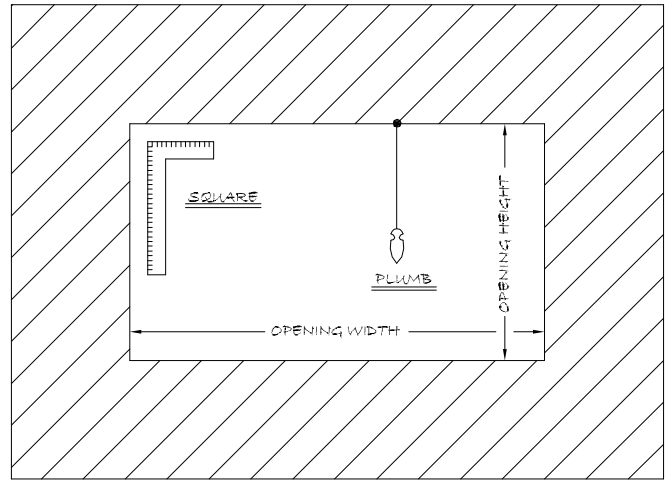
### PREPARATION

1. TO BEGIN INSTALLATION OF FACTORY ASSEMBLED LOUVERS YOU MUST FIRST BE IN RECEIPT OF THE SHIPMENTS PACKING LIST, AND SHOP DRAWINGS.
2. LOCATE ALL CRATES, BOXES, CARTONS, ETC...
3. INDIVIDUAL LOUVER SECTIONS ARE ALSO MARKED AT FAR RIGHT ON THE PACKING LIST AS TO THEIR CRATE, CARTON, BOX, ETC...
4. START WITH THE FIRST LOUVER. REMOVE AND IDENTIFY THE PARTS FROM APPROPRIATE PACKAGES FOR THAT LOUVER. CHECK FOR CORRECT QUANTITIES FOR EACH ACCORDING TO PACKING LIST.
5. AFTER ALL PARTS ARE SEPARATED AND IDENTIFIED BY LOUVER NUMBER AND IT IS DETERMINED THAT NO PARTS ARE MISSING, PROCEED TO MOVE THESE GROUPS TO THEIR DESIGNATED OPENINGS.
6. IF THERE ARE MISSING PARTS, COMPONENTS OR HARDWARE, PLEASE NOTIFY THE FACTORY IN DEL RIO, TX (830) 774-0151.

## STEP-2

### PREPARATION

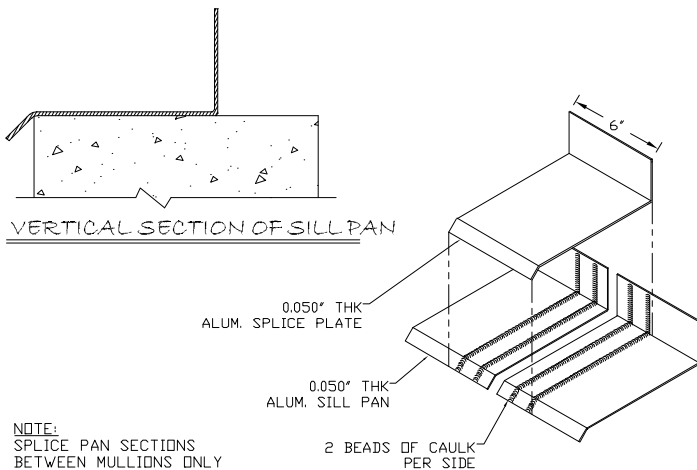
1. INSPECT OPENINGS FOR DAMAGE THAT MAY PREVENT INSTALLATION OF LOUVERS, OR MATERIALS PLACED IN OPENINGS BY OTHER TRADES. REPAIR OPENINGS OR REMOVE OBSTRUCTION AS REQUIRED.
2. BE SURE OPENING IS SQUARE AND PLUMB AS WELL AS MATCHING OPENING SIZES SHOWN ON THE SHOP DRAWINGS. (SEE DIAGRAM BELOW)



## STEP-3

### INSTALLING SILL EXTENSION

1. LOCATE SILL EXTENSION IF SPECIFIED ON SHOP DRAWINGS. NOTE THAT SILL PANS WILL ONLY BE REQUIRED FOR ARCHITECTURAL SPLICE LOUVERS.
2. APPLY CAULK (NOT BY C/S) TO SILL OF OPENING AND SET SILL EXTENSION IN CAULK.



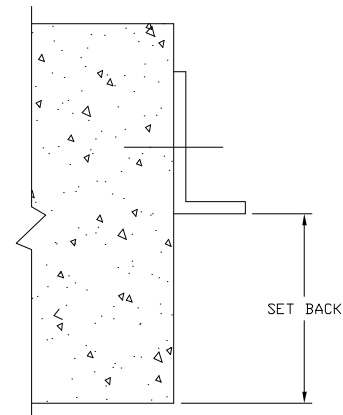
3. IF THE SILL PAN NEEDS TO BE SPLICED, LEAVE A 1/4" GAP BETWEEN SECTIONS FOR EXPANSION AND CONTRACTION

4. APPLY CAULK (NOT BY C/S) TO EDGES OF SILL PAN AND FIRMLY PRESS THE SPLICE PLATE ON THE GAP AS SHOWN

## STEP-4

### ATTACHING CLIP ANGLES TO WALL

1. DRILL ALL HOLES IN CLIP ANGLE FOR ANCHORS TO WALL. (ANCHORS NOT BY C/S)
2. REFER TO SHOP DRAWINGS TO DETERMINE SET BACK OF CLIP ANGLES ON JAMB IN RELATION TO WALL.
3. MEASURE SET BACK DISTANCE OF CLIP ANGLES FROM WALL, AND DRILL HOLES INTO WALL.
4. ATTACH CLIP ANGLES TO WALL WITH ANCHORS. (NOT SUPPLIED BY C/S.) (SEE DIAGRAM BELOW)

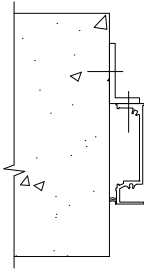


PLAN VIEW OF WALL

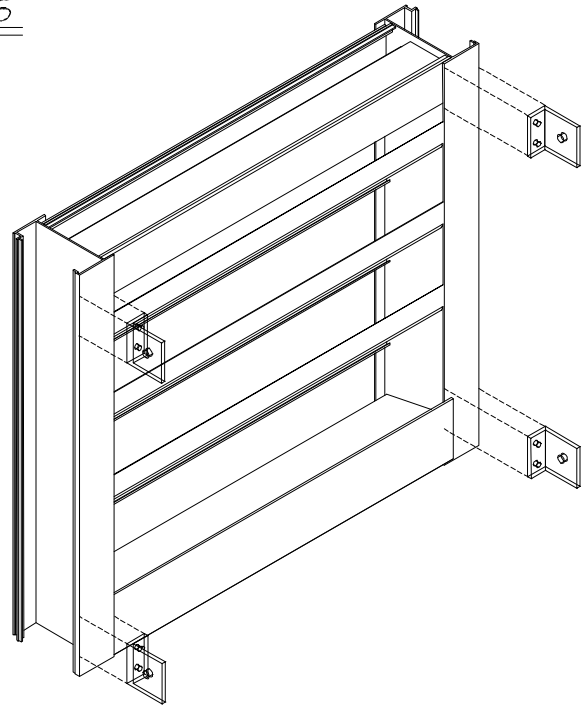
## STEP-5

### INSTALLING A SINGLE SECTION LOUVER

1. PLACE LOUVER SECTION INTO OPENING.
2. SHIM AROUND PERIMETER OF LOUVER TO PROVIDE FOR PROPER CLEARANCES AS SHOWN IN SHOP DRAWINGS.
3. ONCE PROPER CLEARANCE SPECIFICATIONS ARE MET USE HOLES PROVIDED IN CLIP ANGLE TO DRILL PILOT HOLES IN JAMB. FASTEN JAMB TO CLIP ANGLES WITH FASTENERS AS PROVIDED BY C/S.



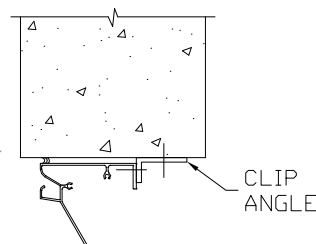
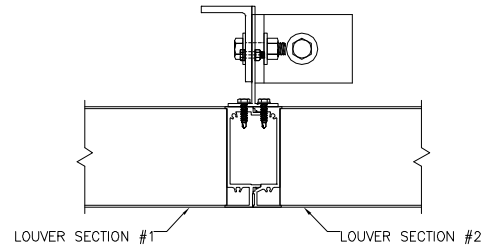
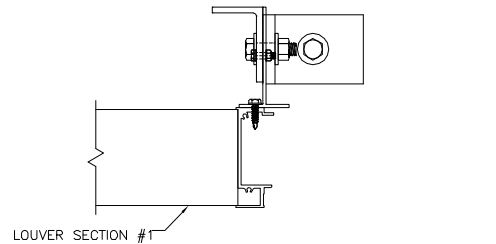
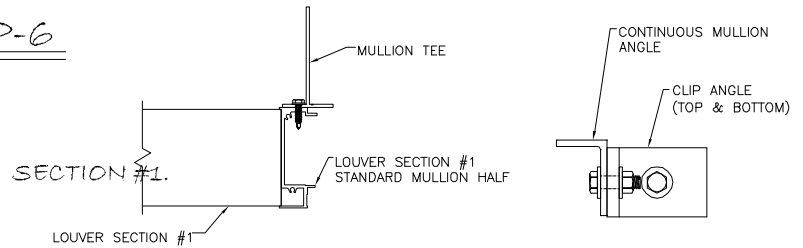
PLAN VIEW OF JAMBS



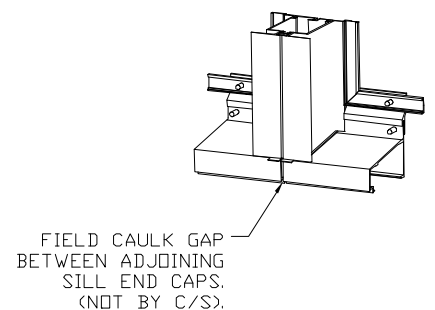
## STEP-6

### INSTALLING MULTI-SECTION LOUVERS

1. IF LOUVER IS A MULTI-SECTION LOUVER LOCATE SECTION #1 (FAR LEFT SECTION AS VIEWED FROM EXTERIOR). ATTACH MULLION TEE TO STANDARD MULLION HALF ON RIGHT SIDE OF LOUVER
2. MEASURE SET BACK OF CLIP ANGLE AT TOP AND BOTTOM OF MULLION, DRILL HOLES AND ATTACH CLIP ANGLES. ATTACH THE CONTINUOUS MULLION ANGLE BETWEEN CLIP ANGLES.
3. INSTALL LOUVER SECTION #1 AND ATTACH MULLION TEE TO CONTINUOUS MULLION ANGLE USING PROVIDED BOLTS.
4. PUT LOUVER SECTION #2 IN OPENING AND INTERLOCK MULLION JOINT. INSERT SHIMS UNDER LOUVER SECTION TO PROVIDE FOR CLEARANCE AS SHOWN IN SHOP DRAWINGS. MAKE SURE SECOND SECTION ALIGNS WITH FIRST SECTION. ATTACH MULLION TEE TO THE LEFT JAMB OF LOUVER SECTION #2 (WHEN VIEWED FROM EXTERIOR) USING SHEET METAL SCREWS, PROVIDED BY C/S. REFER TO C/S SHOP DRAWINGS FOR DETAILS.
5. CONTINUE PROCESS UNTIL ALL SECTIONS ARE INSTALLED.
6. ONCE ALL SECTIONS HAVE BEEN INSTALLED, CAULK GAP BETWEEN SILLS.



VERTICAL SECTION OF HEAD

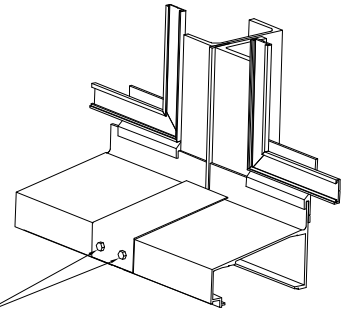


FIELD CAULK GAP BETWEEN ADJOINING SILL END CAPS. (NOT BY C/S).

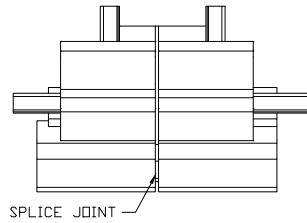
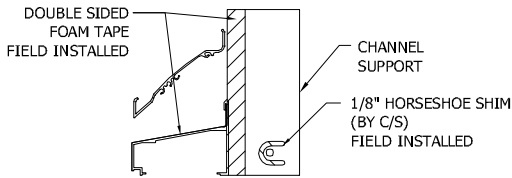
INSTALLING SPLICE COVER

STEP-7

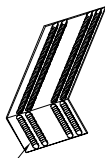
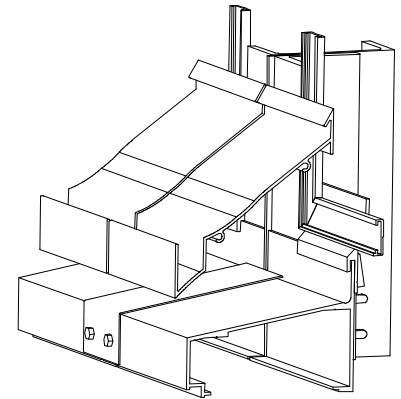
1. LOCATE SPLICE COVER IF SPECIFIED IN SHOP DRAWINGS.
2. APPLY 3/4"x1/4"x6" LG FOAM TAPE TO THE LENGTH OF THE CHANNEL SUPPORT, MAKING SURE FRONT FACE OF TAPE STICKS OUT FRONT OF CHANNEL/ANGLE BY 1/8".
3. APPLY CAULK TO BOTTOM SIDE OF SPLICE COVER AND SET SPLICE COVER OVER SPLICE JOINT.
4. DRILL ONE SELF DRILLING SCREW ON BOTH SIDES OF SPLICE JOINT TO HOLD SPLICE COVER IN PLACE.



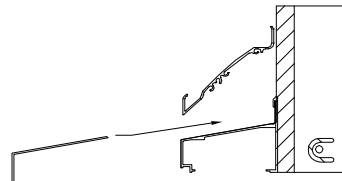
USE #8 HH SELF DRILLING SCREW



SPLICE JOINT



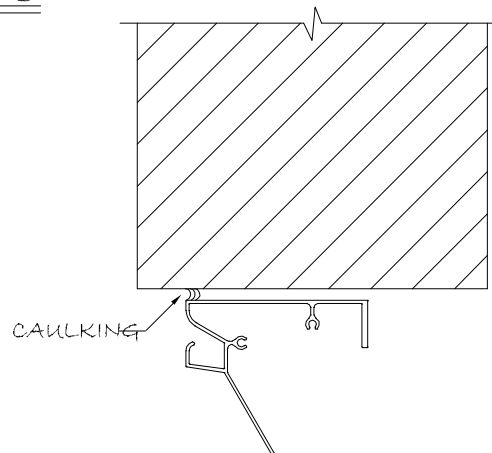
APPLY CAULK (NOT BY C/S) TO BOTTOM SIDE OF SPLICE COVER.



VERTICAL SECTION OF SILL

CAULKING

1. IF REQUIRED CAULK AROUND ENTIRE PERIMETER OF LOUVER (SEE DIAGRAM BELOW) (CAULKING NOT SUPPLIED BY C/S.)



FOR PROBLEMS WITH MATERIAL SIZES, QUANTITIES, OR ERECTION, NOTIFY: CONSTRUCTION SPECIALTIES, INC., DEL RIO, TX PRODUCTION DEPARTMENT, IMMEDIATELY. 107 JOHNSON BLVD. DEL RIO, TX 78840 TELEPHONE: (830) 774-0151