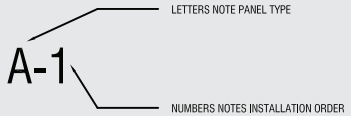
ESTOLGA ATTACHMENT SYSTEM, WITHOUT EXPOSED FASTENER IS MAKING FABRICATION AND INSTALLATION MUCH MORE EFFICIENT. PROJECTS ARE COMPLETED IN 1/3 OF THE TIME.

ALUMINUM COMPOSITE PANELS AND COLUMNS INSTALLATION INSTRUCTIONS

GENERAL NOTES

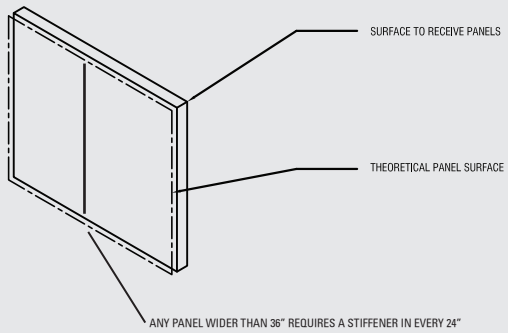
THESE INSTRUCTIONS ARE GENERAL IN SCOPE AND FORM. PANELS / COLUMNS ARE TO BE HANDLED AND STORED IN ACCORDANCE WITH SHEET T-1 AND H-1 OF THIS DRAWING SET THROUGHOUT THE INSTALLATION PROCESS. FAILURE TO COMPLY WITH THE INSTRUCTIONS LISTED ON THE INSTALLATION INSTRUCTIONS AND HANDLING MANUAL MAY RESULT IN STRUCTURAL AND VISUAL DISTORTIONS IN THE PANEL / COLUMN SURFACE AND COMPROMISE THE STRUCTURAL INTEGRITY OF THE PANEL / COLUMN SYSTEM. ALLIED METAL IS NOT RESPONSIBLE FOR ANY VISUAL, STRUCTURE AND WATER / AIR INFILTRATION PROBLEMS THAT OCCUR DO TO IMPROPER HANDLING, STORAGE AND INSTALLATION OF THE PANEL / COLUMN SYSTEM.

PANEL LABELS



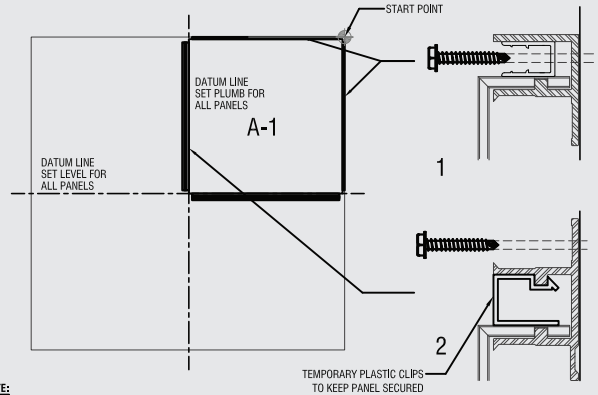
INSTALLATION INSTRUCTIONS
STEP 1: SUBSTRATE INSPECTION

1 - INSPECT ALL SURFACE(S) TO RECEIVE THE PANELS FOR DAMAGE, DEFECTIVE MATERIAL, PRODUCTS AND IMPROPER INSTALLATION METHODS. ALL DAMAGE, DEFECTIVE MATERIAL, PRODUCTS AND IMPROPER INSTALLATION IS TO BE REPORTED IMMEDIATELY TO THE JOB SUPERVISOR, GENERAL CONTRACTOR, CONSTRUCTION MANAGER, OWNER, OR SUPERVISING COMPANY / PERSON. PANEL INSTALLATION IS TO NOT BEGIN UNTIL ALL OF THE AFOREMENTIONED ISSUES HAVE BEEN FIXED.
2 - INSPECT ALL SURFACES TO RECEIVE PANEL FOR PROPER ALIGNMENT. SEEN TYPICAL NOTES ON AM T.1. FOR ALIGNMENT TOLERANCES.
3 - PANELS MUST BE SHIMMED WITH SHIMS MENTIONED IN THE TYPICAL NOTES OF AM T.1. VERIFY SHIMMED PANEL LOCATIONS AND DISTANCES BEFORE INSTALLATION OF FIRST PANEL.



STEP 2: FIRST PANEL ALIGNMENT AND INSTALLATION

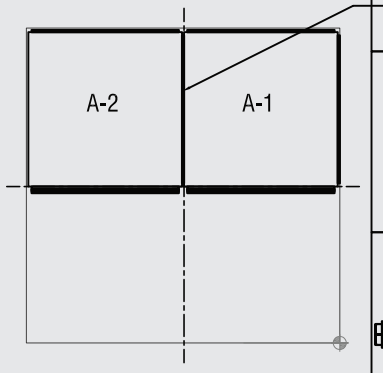
SET FIRST PANELS LEVEL ,PLUMB AND ALLOW FOR PROPER INSTALLATION OF ALL PROCEEDING PANELS.
1. SCREW BASE ATTACHMENT COMPONENT FIRST (SEE DRAWING).
2. AFTER PANEL IS LEVEL, SET AND SECURED SCREW ATTACHMENT.

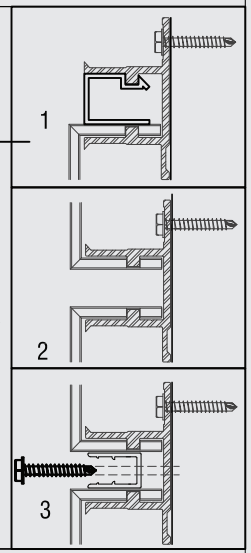


NOTE:
START POINT VARIES WITH PROJECT.

STEP 3: SECOND PANEL ALIGNMENT AND INSTALLATION

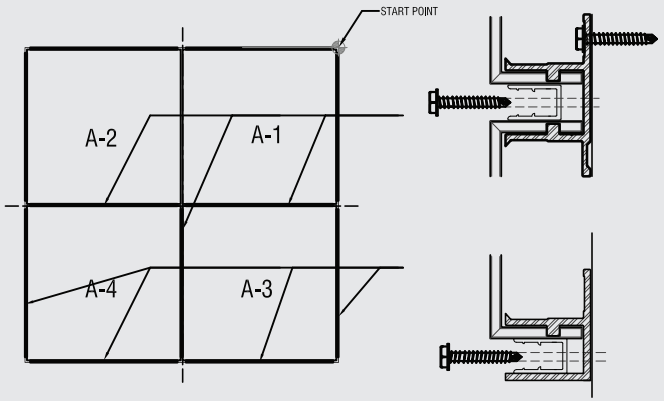
SET SECOND PANEL LEVEL, PLUMB AND ALLOW FOR PROPER INSTALLATION OF ALL PROCEEDING PANELS.
SET JOINT BETWEEN PANELS TO AS PER REQUIREMENT.
1. REMOVE TEMPORARY PLASTIC CLIP.
2. INSTALL THE FOLLOWING PANEL.
3. INSERT U-CHANEL AND SCREW.
4. IF IT IS THE LAST PANEL FOLLOW PROCESS #1 IN STEP 2.OTHERWISE, FOLLOW PROCESS #2 IN STEP 2.





STEP 3: FOLLOWING PANEL INSTALLATION

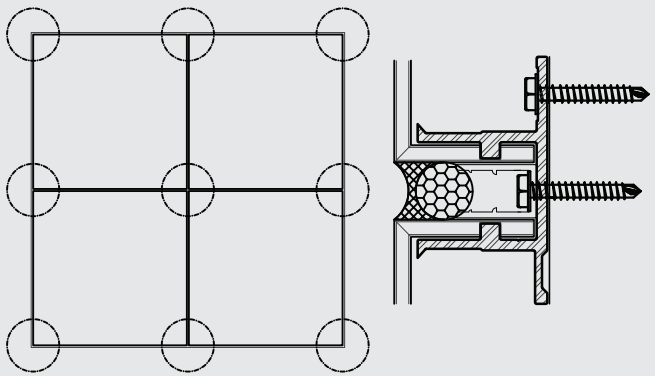
REPEAT INSTALLATION FOR FOLLOWING PANELS. MAINTAIN EQUAL JOINT SPACING THROUGHOUT SYSTEM.



NOTE:
START POINT VARIES WITH PROJECT.

STEP 4: GASKET OR BACKER ROD AND SEALANT INSTALLATION

IF THIS IS DRY SEAL SYSTEM INSTALL THE GASKET TO U-CHANEL. IF IT'S WET SEAL INSTALL BACKER ROD AND SEALANT.
PER MANUFACTURER'S REQUIREMENTS. WHEN INSTALLING GASKET, PLACE A BEAD OF SEALANT OR ADHESIVE IN JOINTS. BEAD TO BE A MINIMUM OF 0'-6" LONG AND PLACED AT ALL JOINTS INTERSECTIONS (IN ALL DIRECTIONS), ALL ENDS OF THE GASKET AND ALL CORNERS (SEE CIRCLES ON DRAWING).



Material Safety Data Sheet

Test Method	Title of Test	Results
ASTM E-283	Air Infiltration	
	1.60 psf (25 mph)	<0.01 cfm/ft^2 = Pass
	6.27 psf (50 mph)	<0.01 cfm/ft^2 = Pass
ASTM E-331	Water Resistance	
	15.05 psf	No Leakage
ASTM E-330	Uniform Load Deflection (span = 46")	
	+120.0 psf (positive)	0.51" = Pass
	-80.0 psf (negative)	0.82" = Pass
ASTM E-330	Uniform Structural Load (span = 46")	
	+180.0 psf (positive)	0.02" = Pass
	-100.0 psf (negative)	0.18" = Pass

* Refer to *Report No. 96663.02-109-44* performed by Architectural Testing, Inc.