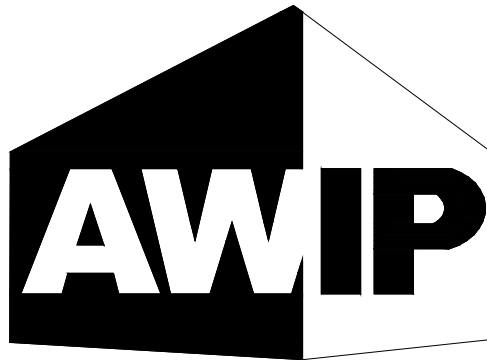


# INSULATED WALL PANEL

## GENERAL INSTALLATION GUIDE



ALL WEATHER INSULATED PANELS

929 ALDRIDGE ROAD  
VACAVILLE, CA 95688  
PHONE: (707) 359-2280  
FAX: (707) 359-2286  
[WWW.AWIPANELS.COM](http://WWW.AWIPANELS.COM)

# GENERAL INSTALLATION GUIDE

## HANDLING INSTRUCTIONS:

### 1.0 ARRIVAL ON SITE

- 1.1 ALL WEATHER INSULATED PANELS ARE CAREFULLY BUNDLED AND STRETCH WRAPPED TO PREVENT DAMAGE DURING SHIPPING. THE TRANSPORTATION COMPANY IS RESPONSIBLE FOR DELIVERING THESE COMPONENTS UNDAMAGED. FREIGHT CLAIMS SHOULD BE HANDLED DIRECTLY WITH THE FREIGHT COMPANY.
- 1.2 WHEN SHIPMENT IS RECEIVED, CHECK EACH ITEM AGAINST THE BILL OF LADING FOR QUANTITY, LENGTH, TRANSIT DAMAGE, ETC. IF A SHORTAGE IS FOUND OR DAMAGE IS FOUND, MAKE SURE A NOTATION OF IT IS MADE ON THE BILL OF LADING AND SIGNED BY THE DRIVER. IT IS YOUR RESPONSIBILITY TO MAKE ANY DAMAGE CLAIM.
- 1.3 ALL WEATHER INSULATED PANELS WILL GENERALLY ARRIVE IN LARGE STRETCH WRAPPED BUNDLES ON FLAT BED TRAILERS. CONSEQUENTLY THE BUNDLES SHOULD BE UNLOADED BY MECHANICAL MEANS.

### 2.0 UNLOADING WITH A FORK LIFT

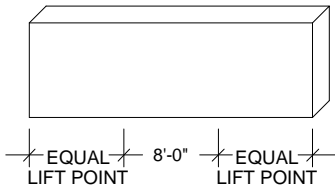
- 2.1 ALL BUNDLES OF PANELS ARE REINFORCED AT SPECIFIED LIFTING POINTS TO PREVENT DAMAGE WHILE LIFTING. PICK UP BUNDLES ONE AT A TIME WITH A FORK LIFT. THESE LIFTING POINTS ARE CLEARLY MARKED ON EACH BUNDLE (SEE FIG. 1). BUNDLES THAT EXCEED 20 FEET IN LENGTH HAVE TWO OR MORE LIFTING POINTS SPECIFIED. (SEE FIG. 2)
- 2.2 OVER ENGAGEMENT OF FORKS WILL CAUSE DAMAGE TO MATERIALS LOCATED ON THE OPPOSITE SIDE OF THE BUNDLE BEING LIFTED.

**NOTE:** EXTREME CARE SHOULD BE TAKEN TO AVOID BUMPING THE PANELS WHEN LIFTING AND MANEUVERING.

### 3.0 UNLOADING WITH A CRANE

- 3.1 CRANE LIFTING OF THE "INDIVIDUAL" BUNDLES SHOULD BE BY NYLON SLINGS OR SIMILAR LOCATED AT A MINIMUM OF TWO POINTS ALONG THE LENGTH OF THE BUNDLE. MULTIPLE LIFTING POINTS MAY BE REQUIRED WHEN LIFTING BY CRANE. SUITABLY STIFF INSERTS SHOULD BE LOCATED AT THE TOP AND BOTTOM OF THE BUNDLES AT THE SLING POSITIONS TO PROTECT THE EDGES OF THE UPPER AND LOWER PANELS. IF PACKS ARE LONGER THAN 15 FEET IT IS SUGGESTED THAT A PROPERLY DESIGNED AND FABRICATED LIFTING BEAM IS USED. EXTREME CARE SHOULD BE TAKEN TO AVOID BUMPING AND DROPPING OF THE BUNDLES WHEN LIFTING.
- 3.2 HOIST THE PANELS TO THE ROOF WITH THE AID OF NYLON SLINGS AND A SPREADER BAR TO PREVENT ANY CHANCE OF BENDING OR BUCKLING THE PANELS.

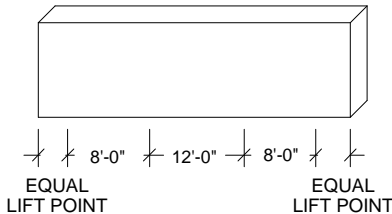
STANDARD LENGTH BUNDLES  
10'-0" OR LONGER



USE ONE FORKLIFT TO LIFT BUNDLES AT THE 8'-0" LIFT POINT SECTION. LIFT POINT SECTION IS BOUNDARY MARKED IN RED -- KEEP FORKS WITHIN THE MARKS.

FIGURE 1

LONG LENGTH BUNDLES  
36'-0" OR LONGER



BE CAREFUL WHEN UNLOADING OR MOVING BUNDLES 36'-0" OR LONGER THAT YOU DO NOT POSITION YOUR LIFT AT THE CENTER OF THE BUNDLE. THIS WILL CAUSE PANEL DAMAGE.

USE TWO FORKLIFTS OR CRANE STRAPS TO LIFT BUNDLES AT THE 8'-0" LIFT POINT SECTIONS. LIFT POINT SECTIONS ARE BOUNDARY MARKED IN RED -- KEEP FORKS OR STRAPS WITHIN THE MARKS.

FIGURE 2

### 4.0 MANUALLY UNLOADING

- 4.1 ON SMALL PROJECTS UNLOADING OF THE PANELS MAY BE CARRIED OUT BY HAND. **NOTE:** SPECIAL CARE SHOULD BE TAKEN WHEN HANDLING. ALWAYS LIFT THE PANELS WHEN REMOVING FROM A BUNDLE, NEVER DRAG THEM.
- 4.2 **WARNING:** TO PREVENT JOINT DAMAGE, NEVER LIFT THE PANEL FROM THE FLAT POSITION BY THE SIDE JOINT OR THE OVERLAPPING RIB.
- 4.3 IT IS IMPORTANT THAT WHENEVER A PANEL IS HANDLED, PICKED-UP, MOVED OR CARRIED IT SHOULD BE TURNED ON EDGE FIRST. DO NOT CARRY PANEL WHILE FLAT.

**IMPORTANT NOTE:** ALL PERSONNEL DOING THESE PROCEDURES MUST WEAR AT ALL TIMES THE PROPER CLOTHING, PROTECTIVE EYE WEAR AND GLOVES.

SHEET

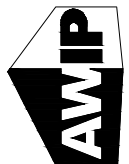
2 OF 9

DATE: 09/08/11

DRAWN BY: CLR / JRM

# INSULATED WALL PANEL GENERAL INSTALLATION GUIDE

929 ALDRIDGE ROAD  
VACAVILLE, CA 95688  
PHONE: (707) 359-2280  
FAX: (707) 359-2286  
WWW.AWIPANELS.COM



ALL WEATHER INSULATED PANELS

## GENERAL INSTALLATION GUIDE continued

### STORAGE INSTRUCTIONS:

#### 5.0 SITE STORAGE

- 5.1 IF THE PANELS ARE TO BE USED IMMEDIATELY, THE BUNDLES SHOULD BE PLACED AT THE PRE-PLANNED LOCATIONS AROUND THE PERIMETER OF THE BUILDING, AS CLOSE AS POSSIBLE TO THE PLANNED WORK AREAS. REFER TO ALL WEATHER PANEL LAYOUT DRAWINGS TO DETERMINE THESE LOCATIONS. PLACE BUNDLES AS FAR PRACTICAL FROM THE SITE TO AVOID POSSIBLE DAMAGE FROM LATER SITE MANEUVERING OR UNDUE MANHANDLING.
- 5.2 IF THE BUNDLES CANNOT BE STORED IN A COVERED PLACE, IT IS NECESSARY TO CUT THE OUTSIDE PLASTIC WRAPPING AND ARRANGE THE BUNDLES IN A WAY THAT THEY ARE INCLINED AT LEAST 5% SO WATER DOES NOT ACCUMULATE, AND MOISTURE BUILD UP BETWEEN PANELS IS AVOIDED. THE CUT SHOULD BE MADE ON THE SIDE OF THE BUNDLE AND BE CONTINUOUS. (SEE FIG. 3 BELOW)
- 5.3 BUNDLES SHOULD BE STACKED NO MORE THAN TWO HIGH AND THE FOAM STICKERS FOR THE UPPER BUNDLE SHOULD BE LOCATED IN LINE WITH THE FOAM STICKERS IN LINE WITH THE LOWER BUNDLE (SEE FIG. 3).
- 5.4 IDEALLY THE BUNDLES SHOULD BE STORED UNDER A TEMPORARY SHELTER WITH THE PLASTIC REMOVED FROM THE TOP AND SIDES OF THE BUNDLE. SITE STORAGE TIME SHOULD BE MINIMIZED.
- 5.5 IF SHELTER IS NOT AVAILABLE, OUR PANELS ARE PACKAGED WITH PLASTIC STRETCH WRAP AND EXPANDED POLYSTYRENE BOARD. IT IS HOWEVER, A REQUIREMENT THAT ADDITIONAL WATERPROOF PROTECTION BE PROVIDED TO PROTECT THE PANELS FROM WET WEATHER CONDITIONS IN TRANSIT AND AT THE JOBSITE. STANDING WATER ON STORED AND OR BUNDLED SKIDS MAY CAUSE DAMAGE TO THE PANEL FINISH AND IS NOT ACCEPTABLE.
- 5.6 ELEVATE ONE END OF BUNDLES (SEE FIG. 3) DO NOT STORE FOR LONGER THAN 30 DAYS. MOISTURE BETWEEN PANELS CAN CAUSE CORROSION AND OXIDATION OF PAINTED SURFACES CAN OCCUR. DO NOT STAND PANELS ON EDGE OF JOINT NARY OR SAW CUT EDGE. NEVER STORE OR HANDLE PANELS IN A HORIZONTAL POSITION.
- 5.7 BUNDLES SHOULD BE FIRMLY TIED OR WEIGHTED DOWN WHEN BROKEN OPEN FOR USE.

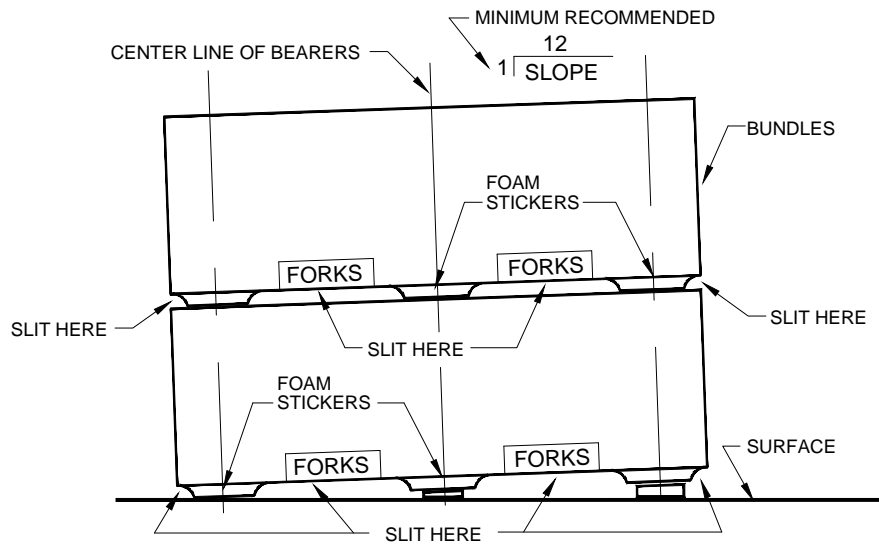


FIGURE 3

#### 6.0 ACCESSORIES AND AUXILIARY ITEMS

- 6.1 DUE CARE SHOULD BE AFFORDED TO THE UNLOADING AND STORAGE OF SMALL ITEMS, i.e. FLASHINGS, FASTENERS, SEALANTS, ETC., THAT ARRIVE ON SITE FOR INCLUSION IN THE WORK.
- 6.2 COVER ALL PALLET CRATES OR BOXES TO PROTECT MATERIALS FROM WEATHER BUT ALLOW FOR VENTILATION TO PREVENT COLLECTION OF CONDENSATION.

#### 7.0 STRUCTURAL SUPPORTING STEEL

- 7.1 FOR QUALITY PANEL INSTALLATION THE PANEL CONTRACTOR SHALL EXAMINE THE ALIGNMENT OF THE STRUCTURAL STEEL BEFORE INSTALLATION OF THE WALL PANELS. THE STEEL SHALL BE ALIGNED TO THE TOLERANCES ESTABLISHED IN THE AISC CODE OF STANDARD PRACTICE, SECTION 7, AND THE SUPPLEMENT MODIFICATION CONTROL SECTION 7.11.3, ADJUSTABLE ITEMS. THE MAXIMUM DEVIATION OF STEEL ALIGNMENT SHOULD BE LIMITED TO (-0 +3/16") FROM THE CONTROL WITH A 1/8" MAXIMUM CHANGE IN DEVIATION FOR ANY MEMBER OF ANY 10'-0" RUN OF PANEL.
- 7.2 ANY VARIANCES FROM THESE TOLERANCES CAN AFFECT BOTH PERFORMANCE AND AESTHETICS MUST BE REPORTED TO THE ARCHITECT AND GENERAL CONTRACTOR AND CORRECTED BY THE GENERAL CONTRACTOR OR ACCEPTED, IN WRITING, BY THE ARCHITECT BEFORE ROOF PANEL INSTALLATION PROCEEDS.

SHEET

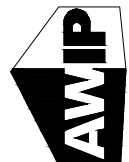
3 OF 9

DATE: 09/08/11

DRAWN BY: CLR / JRM

# INSULATED WALL PANEL GENERAL INSTALLATION GUIDE

929 ALDRIDGE ROAD  
VACAVILLE, CA 95688  
PHONE: (707) 359-2280  
FAX: (707) 359-2286  
WWW.AWIPANELS.COM



ALL WEATHER INSULATED PANELS

## GENERAL INSTALLATION GUIDE continued

- 7.3 THE FACE OF ALL STRUCTURAL MEMBERS TO WHICH THE PANEL IS ATTACHED MUST BE IN THE SAME VERTICAL PLANE, FLAT AND FREE OF OBSTRUCTIONS SUCH AS WELD MARKS, BOLTS, OR RIVET HEADS. INSTALLATION OF THE PANELS SHOULD PROCEED ONLY AFTER ALIGNMENT OF STRUCTURAL MEMBERS MEETS THE TOLERANCES ESTABLISHED IN THE CONTRACTS DOCUMENTS.

### 8.0 VERTICAL LOADING OF PANELS

- 8.1 TO PREVENT THE PANELS FROM TAKING VERTICAL LOADS, ATTACHMENTS TO RIGID SUPPORTS MUST HAVE MEANS OF ALLOWING THE STRUCTURE TO DEFLECT WITHOUT DAMAGING THE INSULATED PANELS.
- 8.2 PANEL SHALL ALWAYS BE ATTACHED TO STRUCTURAL SUPPORTS RUNNING PERPENDICULAR TO THE PANEL LENGTH. NEVER ATTACH PANELS DIRECTLY TO A STRUCTURAL COLUMN FACE (FLANGE).

### 9.0 PROTECTIVE PLASTIC FILM

- 9.1 ALL WEATHER INSULATED PANELS AND METAL TRIMS HAVE A TEMPORARY PROTECTIVE PLASTIC FILM. THIS PLASTIC FILM HELPS PREVENT DAMAGE IN SHIPPING AND HANDLING.
- 9.2 THIS PROTECTIVE PLASTIC FILM IS NOT TO BE REMOVED UNTIL PANEL AND METAL TRIMS ARE READY FOR ERECTION ON JOB.
- 9.3 PROTECTIVE PLASTIC FILM IS NOT TO BE EXPOSED TO DIRECT SUN FOR MORE THAN 48 HOURS. THIS MAY CAUSE THE PLASTIC FILM TO BOND TO THE METAL PANEL FACE AND MAY BE MORE DIFFICULT TO REMOVE. ADDITIONALLY, PROLONGED EXPOSURE TO TEMPERATURES ABOVE 80°F IS NOT RECOMMENDED AS IT MAY CAUSE THE PEEL COAT TO LEAVE AN ADHESIVE RESIDUE ON THE PANEL FACING(S). THEREFORE, IT IS VERY IMPORTANT TO FOLLOW SECTION 5.0 INSTRUCTIONS AND STORE THE PANELS AND ACCESSORIES IN A DRY, COVERED PLACE.
- 9.4 REMOVE THE PROTECTIVE PLASTIC FILM FROM THE PANEL CORNER AND PULL OFF AT A 45° ANGLE. THIS IS THE BEST WAY TO REMOVE THE FILM. (SEE FIG. 4)
- 9.5 THE PLASTIC MUST BE REMOVED FROM BOTH PANEL FACES IF APPLICABLE AND METAL TRIMS.
- 9.6 IF THE METAL FACES REMAINS STICKY AFTER THE PLASTIC IS REMOVED, CLEAN WITH A SOFT CLOTH AND WATER. IT MAY BE NECESSARY TO USE A CITRUS BASED CLEANING SOLUTION ADDED TO THE WATER IN A SUFFICIENT DILUTION RATIO TO EFFECT COMPLETE REMOVAL OF THE ADHESIVE.

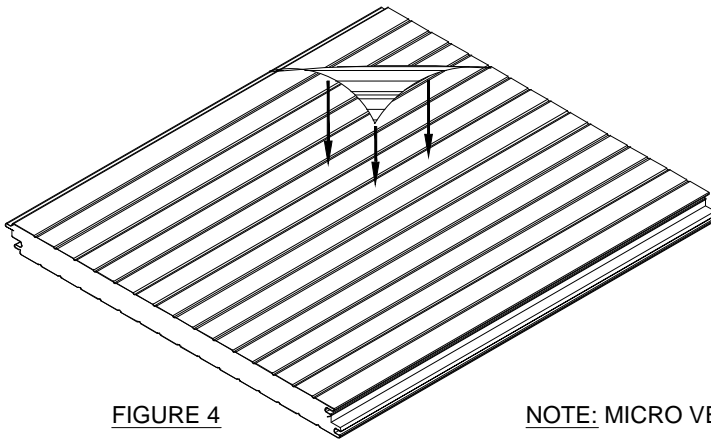


FIGURE 4

NOTE: MICRO VEE WALL PANEL SHOWN

### 10.0 ACCESSORIES, TRIM, SEALANTS, ECT.

- 10.1 BE EXTREMELY CAREFUL TO UNLOAD AND STORE THE SHEET METAL SCREWS, SEALANTS, ECT. IT IS IMPORTANT TO GUARD AGAINST DAMAGE OR MISPLACEMENT OF THE ACCESSORIES.
- 10.2 ALL THESE ACCESSORIES MUST BE STORED IN A COVERED PLACE ON THE JOBSITE NOT EXPOSED TO THE ELEMENTS.

### 11.0 PANEL CUTTING PROCEDURES

- 11.1 PANELS MAY BE CUT PRIOR TO INSTALLATION OR CUT IN PLACE. ALL WEATHER INSULATED PANELS RECOMMENDS CUTTING THE PANELS PRIOR TO INSTALLATION TO MINIMIZE PANEL DAMAGE AND TO INSURE A BETTER FIT.
- 11.2 ALL WEATHER INSULATED PANELS RECOMMENDS THE USE OF A TRUMPF TPC 150-2 PANEL CUTTER OR MILWAUKEE 6370-21 CIRCULAR SAW WITH A 8" DIAMETER 40 TOOTH CARBIDE BLADE.

TO PERFORM A GOOD CUT, FOLLOW STEPS 11.3 TO 11.6 SHOWN BELOW. IF THE PANEL THICKNESS IS GREATER THAN THE SAW'S BLADE RADIUS, CUTTING SHOULD BE DONE IN TWO STEPS, CUTTING ONE SIDE AT A TIME, FOLLOW STEPS 11.3 TO 11.8.

NOTE: DO NOT USE A RECIPROCATING SAW AS FRICTION BETWEEN THE CUTTING BLADE AND THE PANEL CREATES HEAT, DAMAGING THE PAINTED SURFACE OF THE PANEL.

SHEET

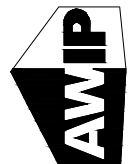
4 OF 9

DATE: 09/08/11

DRAWN BY: CLR / JRM

# INSULATED WALL PANEL GENERAL INSTALLATION GUIDE

929 ALDRIDGE ROAD  
VACAVILLE, CA 95688  
PHONE: (707) 359-2280  
FAX: (707) 359-2286  
WWW.AWIPANELS.COM



ALL WEATHER INSULATED PANELS

## GENERAL INSTALLATION GUIDE continued

- 11.3 MEASURE THE DISTANCE OR AREA TO CUT AND MARK A LINE ON THE PANEL SURFACE.
- 11.4 USE ADHESIVE TAPE ON BOTH SIDES OF THE CUTTING LINE TO PROTECT PANEL SURFACE.
- 11.5 RECHECK MEASUREMENTS AND PROCEED WITH CUTTING OPERATION.
- 11.6 CLEAN OFF ANY METAL CHIPS LEFT ON PANEL AFTER CUTTING PROCEDURE. IF ANY METAL CHIPS REMAIN IN THE FOAM, THESE CAN BE REMOVED BY HAND.
- 11.7 IF NECESSARY, TURN PANEL OVER AND FOLLOW THE SAME STEPS ON THIS SIDE OF THE PANEL.
- 11.8 FILE OR SAND OFF ANY BURRS ON THE METAL AFTER CUTTING. THE PANEL IS NOW TO BE INSTALLED; THE INSTALLER MUST CONSIDER PERFORMING THERMAL BREAKS PRIOR TO INSTALL AND A CONTINUOUS APPLICATION OF BEAD OF SEALANT ALONG THE INSIDE OF THE FEMALE JOINT (WARM SIDE) SUCH TASK SHALL BE DONE ON GROUND.

### 12.0 THERMAL BREAKS

- 12.1 THERMAL BREAKS FOR COLD STORAGE APPLICATIONS ARE NECESSARY TO STOP TEMPERATURE CONDUCTIVITY IN THE PANEL BY PANEL BY CUTTING THE INTERIOR METAL SKIN; CONSULT YOUR ALL WEATHER REPRESENTATIVE FOR A SPECIFIC DETAIL OR REVIEW THE DRAWING DETAILS IN THE MANUAL.

### 13.0 CAULKING PLACEMENT

- 13.1 APPLY CAULKING TO PANEL EDGES AS SHOWN ON DRAWING DETAILS TO PROVIDE A VAPOR AND AIR INFILTRATION BARRIER WHEN PANELS ARE ENGAGED. CAULKING IS BEST APPLIED WHILE PANELS ARE LYING FLAT. CAULKING SHOULD BE PROVIDED AROUND PANEL OPENINGS AND GIRTS WHERE PANEL ENDS OCCUR TO DEVELOP A VAPOR AND AIR INFILTRATION SEAL. THE BEADS OF CAULK ON THE STRUCTURAL SUPPORTS MUST BE MARRIED TO THE BEADS OF CAULK IN THE INTERIOR SIDE OF THE PANEL JOINT. APPLY BEADS OF CAULK IMMEDIATELY PRIOR TO ENGAGING PANELS. FIELD APPLY BEAD OF CAULK IN EXTERIOR SIDE OF JOINT WHEN PANEL TERMINATES OVER WINDOWS, DOORS, OR OTHER OPENINGS. (SEE FIGURE 5) NOTE: SEE JOINT DETAIL FOR JOB SPECIFIC CAULKING INSTRUCTIONS.

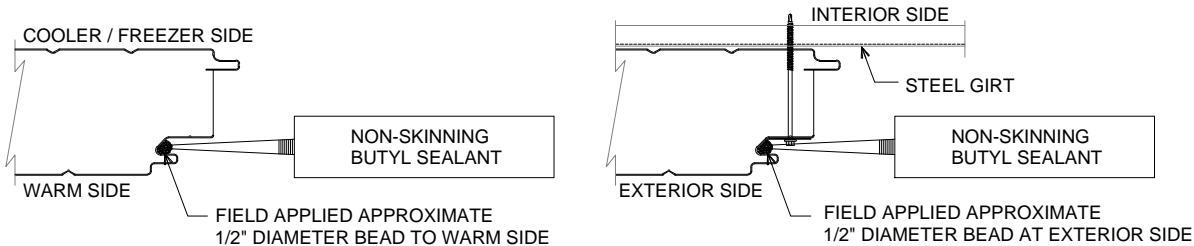


FIGURE 5

### 14.0 CORNER INSTALLATION

- 14.1 PANELS ARE INSTALLED FROM LEFT TO RIGHT WHEN VIEWED FROM THE EXTERIOR. STARTER PANEL SHOULD BE FIELD CUT AS SHOWN. (SEE FIGURE 6)

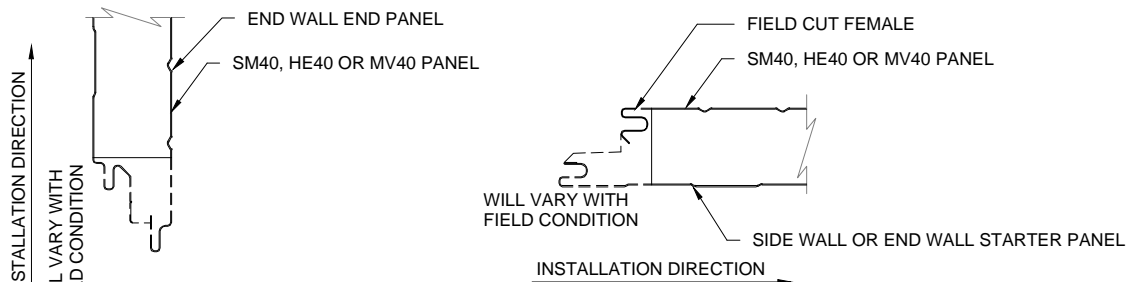


FIGURE 6

- 14.2 NOTE: ALL WEATHER INSULATED PANELS MAY BE RUN FROM THE RIGHT TO LEFT SIMPLY BY TURNING THE PANEL OVER. REMEMBER THE FEMALE EDGE OF THE WALL PANEL IS ALWAYS THE LEADING EDGE FOR THESE PANELS WHEN USING THE HIDDEN FASTENERS.
- 14.3 PLACE BOTTOM END OF PANEL ON BASE AND TILT TO VERTICAL POSITION. LONGER PANELS MAY REQUIRE THE USE OF A ROPE HOIST OR A PANEL LIFTING DEVICE SUCH AS AN WOOD'S POWERGRIP.
- 14.4 AFTER DRILLING OR CUTTING PANELS, ALWAYS REMOVE METAL CHIPS THAT HAVE FALLEN ON THE FLASHING OR PANELS TO PRECLUDE LATER DAMAGE.

SHEET

DATE: 09/08/11

DRAWN BY:  
CLR / JRM

5 OF 9

# INSULATED WALL PANEL GENERAL INSTALLATION GUIDE

929 ALDRIDGE ROAD  
VACAVILLE, CA 95688  
PHONE: (707) 359-2280  
FAX: (707) 359-2286  
WWW.AWIPANELS.COM



ALL WEATHER INSULATED PANELS

## GENERAL INSTALLATION GUIDE continued

- 14.5 POSITION STARTER PANEL IN PLACE AND THROUGH FASTEN TO THE STEEL STRUCTURE WITH #14 THROUGH FASTENER AT EACH GIRT LINE. FASTEN THE #14 THROUGH FASTENER CLOSE ENOUGH TO EDGE OF THE PANEL SO THEY ARE COVERED WITH THE OUTSIDE CORNER TRIM. POSITION THE END OR OTHER STARTER PANEL IN PLACE AND THROUGH FASTEN TO THE STEEL STRUCTURE. CAULK AND FASTEN THE OUTSIDE CORNER TRIM TO THE WALL PANELS WITH COLOR CODED SCREWS OR POP RIVETS AT 12" O.C. (UNLESS OTHERWISE NOTED). TO COMPLETE THE CORNER INSTALLATION. IF INSTALLING THE OPTIONAL INSIDE CORNER TRIM FASTEN AT 12" O.C. WITH #10 X 3/4" PHILIP PAN HEAD FASTENERS BETWEEN GIRTS.

### 15.0 WALL PANEL INSTALLATION

- 15.1 PLACE BOTTOM END OF PANEL ON BASE AND TILT TO VERTICAL POSITION. LONGER PANELS MAY REQUIRE THE USE OF A ROPE HOIST. A PANEL LIFTING DEVICE SUCH AS AN WOODS POWRGRIP.
- 15.2 SLIDE PANEL FIRMLY INTO GROOVE OF THE PRECEDING PANEL USING FIRM GRADUAL PRESSURE TO DRAW PANELS TOGETHER. DO NOT POUND INTO PLACE. DO NOT USE LOCALIZED FORCES WHICH MAY DAMAGE PANELS. TO ENSURE A CONSISTENT JOINT MODULATION, UP TO 5/32" THICK SPACERS MAY BE USED AT THE EXTERIOR SIDE AS PANEL ARE BEING ENGAGED (NON-COLD STORAGE APPLICATIONS ONLY). DO NOT POUND INTO PLACE. DO NOT USE LOCALIZED FORCES WHICH MAY DAMAGE PANELS. PLUMB AND SQUARE EACH PANEL BEFORE INSTALLING FASTENERS. PRIOR TO INSTALLING, PANELS MAY NEED TO BE SHADED TO PREVENT EXCESSIVE THERMAL BOW WHICH MAY HINDER PANEL ENGAGEMENT.
- 15.3 SM40, HE40, MV40 WALL PANEL IS ATTACHED TO STRUCTURAL SUPPORT WITH A HIDDEN CLIP AND FASTENER ASSEMBLY.
- 15.4 TO INSTALL FASTENER, PREDRILL USING THE CORRECT DRILL SIZE (IF REQUIRED). INSERT FASTENER THROUGH CLIP & TIGHTEN DOWN UNTIL CLIP AND FASTENER ASSEMBLY IS SNUG. FASTENER REQUIREMENTS ARE BASED ON GIVEN DESIGN LOADS. PANELS ARE TO BE FASTENED PER AWIP DRAWING DETAILS AND CALCULATED FASTENER SCHEDULE PROVIDED ON ALL WEATHER INSULATED PANEL DRAWINGS. USE A 600 RPM ELECTRIC SCREW GUN TO DRIVE FASTENERS. DO NOT USE IMPACT TOOLS. DO NOT OVER TIGHTEN.
- 15.5 TRIM SHOWN IN DETAILED ALL WEATHER INSULATED PANEL DRAWINGS SHOULD BE USED WHERE PANELS TERMINATE SUCH AS AT HEAD, SILL, BASE, OR BUTT CONDITIONS, ETC. COVER EXPOSED EDGES AS SOON AS POSSIBLE.

### 16.0 MISCELLANEOUS INFORMATION

- 16.1 TO PREVENT GALVANIC ACTION, ISOLATE ANY ALUMINUM TRIM SURFACES FROM SURFACE OF PANEL SUPPORT STEEL USING ONE OF THE FOLLOWING METHODS:
- 1) AN APPROVED SEALANT OR SEALANT TAPE.
  - 2) A NONABSORBENT GASKET.
  - 3) A DUCT TAPE OR EQUIVALENT TYPE TAPE.
  - 4) PAINT THE INCOMPATIBLE METAL WITH A COATING OF HEAVY BODIED BITUMINOUS PAINT.
- 16.2 GAS BUBBLES ON FOAM PANELS ARE AN INDUSTRY-WIDE, SPORADIC PROBLEM. IF THEY OCCUR ON THIS PROJECT, THEY CAN EASILY BE REPAIRED BY DRILLING A 1/16" DIAMETER BY 1 3/4" DEEP HOLE NEAR THE BOTTOM OF THE GAS BUBBLE IN THE EXTERIOR METAL FACING ALLOW THE TRAPPED GAS TO BE RELEASED. THE REPAIR IS COMPLETED BY APPLYING A SMALL AMOUNT OF TOUCH-UP PAINT TO THE RAW EDGE OF THE DRILL HOLE. GAS BUBBLES SHOULD BE REPAIRED AS SOON AS POSSIBLE SINCE THEY WILL CONTINUE TO ENLARGED UNTIL CORRECTED.

### 17.0 EXPOSURE TO HEAT OR FLAME

- 17.1 ALTHOUGH AWIP URETHANE CORE PANELS ARE ACCEPTABLE FOR USE IN NO-COMBUSTIBLE BUILDING ASSEMBLIES IN ACCORDANCE WITH INTERNATIONAL BUILDING CODE (IBC) AND HAVE BEEN EXHAUSTIVELY TESTED FOR FIRE RESISTIVITY BASED ON THEIR END USE, THEY ARE NOT NON-COMBUSTIBLE IN AND OF THEMSELVES. THEY ARE NOT "FIRE RATED" PER ASTM E119. THEREFORE, THEY SHALL NOT BE EXPOSED TO EXTREME HIGH TEMPERATURES OR DIRECT FLAME AT ANY TIME. IN SIMPLE TERMS, DON'T USE A WELDING TORCH ON OR NEAR INSULATED PANELS ANY MORE THAN YOU WOULD ON A WOOD BUILDING ASSEMBLY. REFER TO PANEL TEST DATA INFORMATION UNDER "FIRE" FOR DETAILED INFORMATION ON IGNITION, HEAT OF COMBUSTION AND SURFACE BURNING.

### 18.0 CLEANING PANELS

- 18.1 AFTER INSTALLATION, SURFACES MUST BE CLEANED TO REMOVE ANY METAL CHIPS TO PREVENT ANY POSSIBLE OXIDATION. A WET, SOFT CLOTH IS RECOMMENDED.

### 19.0 MAINTENANCE

- 19.1 PROPER INSTALLATION AND MAINTENANCE ARE EXTREMELY IMPORTANT TO OBTAIN THE BEST PERFORMANCE AND APPEARANCE FROM THE INSULATED PANEL.
- 19.2 DIRT, OIL, GREASE, FINGERPRINTS OR ANY OTHER KIND OF CONTAMINANT MUST BE COMPLETELY REMOVED WHEN THE INSTALLATION IS FINISHED TO MAXIMIZE COATINGS PERFORMANCE.
- 19.3 THE BUILDING WILL REQUIRE PERIODIC MAINTENANCE ACCORDING TO CONDITIONS AT THE SITE: U.V., DIRT, SMOKE, CORROSIVE ATMOSPHERE, ECT. IF FURTHER ASSISTANCE IS REQUIRED, PLEASE CONSULT THE TECHNICAL DEPARTMENT OF ALL WEATHER INSULATED PANELS.
- 19.4 TO REMOVE SUPERFICIAL OXIDATION AND TOUGH STAINS, IT IS RECOMMENDED TO USE A REGULAR HOUSEHOLD CLEANER FOLLOWED BY A THROUGH RINSING. WIRE BRUSHED OR AN ABRASIVE MATERIAL WILL DAMAGE THE PAINTED COATING.

SHEET

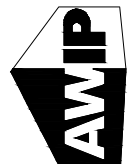
6 OF 9

DATE: 09/08/11

DRAWN BY: CLR / JRM

# INSULATED WALL PANEL GENERAL INSTALLATION GUIDE

929 ALDRIDGE ROAD  
VACAVILLE, CA 95688  
PHONE: (707) 359-2280  
FAX: (707) 359-2286  
WWW.AWIPANELS.COM

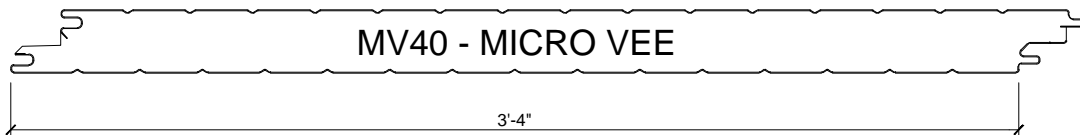
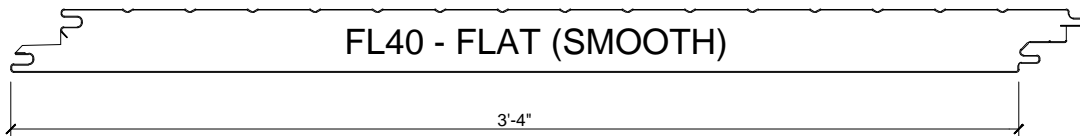
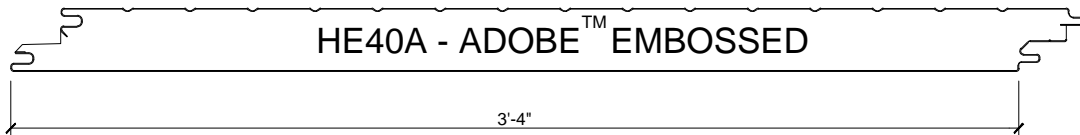
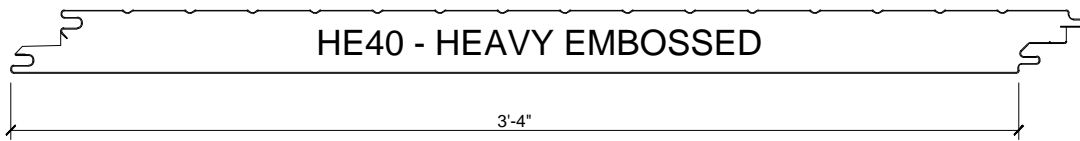
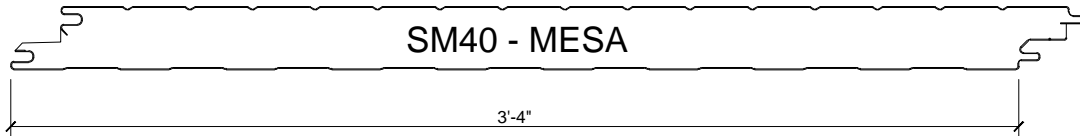
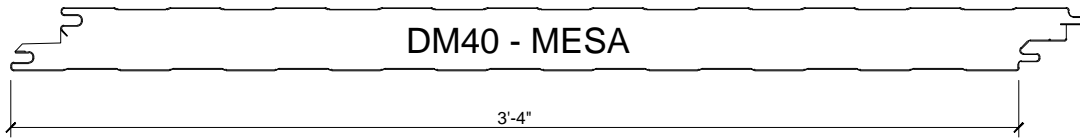


ALL WEATHER INSULATED PANELS

GENERAL INSTALLATION GUIDE continued

- 19.5 IF "TOUCH-UP" PAINT IS REQUIRED, CONTACT ALL WEATHER INSULATED PANELS TO OBTAIN AN AIR-DRY URETHANE OR ACRYLIC BASED, COLOR MATCHED FOR YOUR PROJECT.
- 19.6 SINCE METAL FACED INSULATED PANELS ARE AN MODULAR SYSTEM, THEY REQUIRE JOINT AND INTERSECTING CAULKING TO MINIMIZE POTENTIAL LEAKS IN THE BUILDING ENVELOPE. THE FLEXIBLE SEALANT MATERIALS TYPICALLY USED ARE GUN GRADE OR RIBBON TYPE THAT ARE EITHER BUTYLOID, SILICONE OR URETHANE BASED, DEPENDING ON THE SPECIFIC ARE WHERE THEY ARE SPECIFIED TO BE USED. IT IS ESSENTIAL THAT A TIGHT SEAL IS MAINTAINED BY INSPECTING CRITICAL AREAS SUCH AS ROOF ENDLAPS / RIDGES OR ANY TRIM USED TO COMPLETE THE BUILDING ENVELOPE (INTERSECTS) EVERY 24 MONTHS AFTER THE FIRST 60 MONTHS IN PLACE. OVER TIME, SEALANTS WILL SHRINK, CRACK AND LOSE ADHESION WHEN SUBJECTED TO HEAT AND COLD, FREEZE / THAW, EXPANDING / CONTRACTING METAL, MOISTURE AND OTHER CHEMICAL CONTAMINANTS. SEALANTS CAN BE REMOVED AND REPLACED WHERE PRACTICAL OR AREAS CAN BE FACE SEALED FROM INTERIOR. FOR SPECIFIC RECOMMENDATIONS OF SEALANT TYPES, CONTACT YOUR REPRESENTATIVE.

## WALL PANEL PROFILES



SHEET

7 OF 9

DATE: 09/08/11

DRAWN BY: CLR / JRM

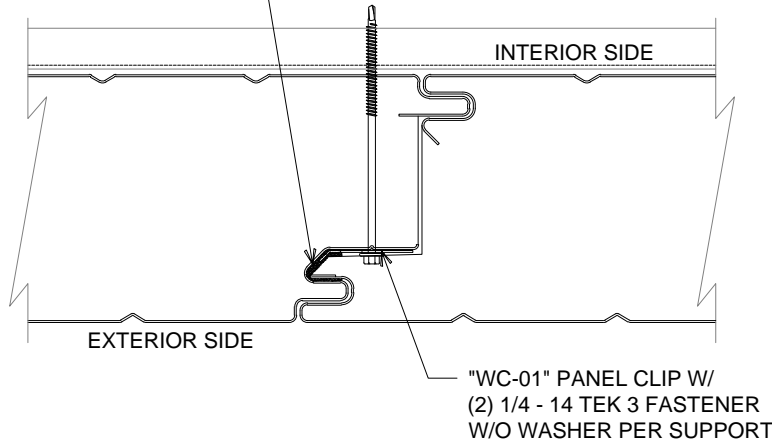
# INSULATED WALL PANEL GENERAL INSTALLATION GUIDE

929 ALDRIDGE ROAD  
VACAVILLE, CA 95688  
PHONE: (707) 359-2280  
FAX: (707) 359-2286  
WWW.AWIPANELS.COM



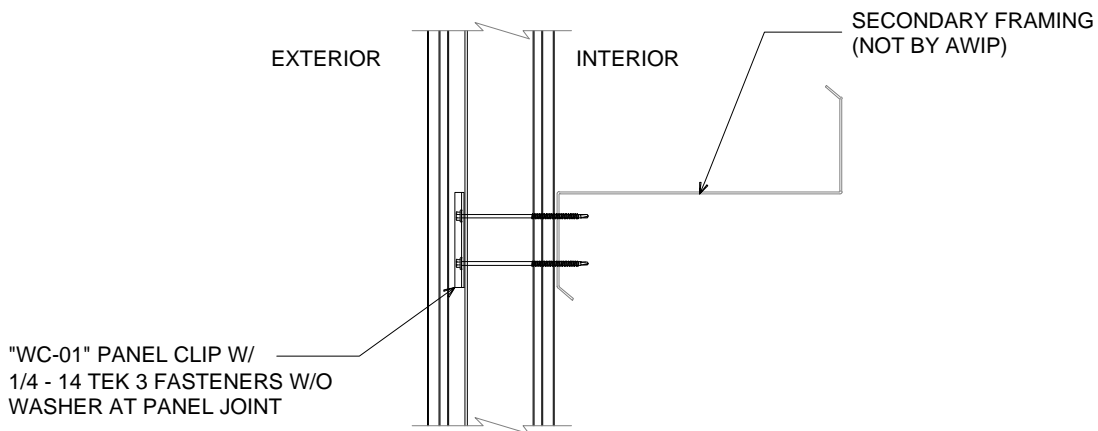
ALL WEATHER INSULATED PANELS

FIELD APPLIED NON-SKINNING BUTYL SEALANT EXTERIOR SIDE



NOTE: FILL EXTERIOR SIDE OF FEMALE JOINT CONTINUOUSLY WITH APPROXIMATE 1/2" DIAMETER BEAD OF NON-SKINNING BUTYL SEALANT. (DO NOT UNDER FILL)

**PANEL JOINT**  
(PLAN VIEW)



FASTENING SCHEDULE WILL VARY  
DEPENDING ON SPECIFIC APPLICATION

**INTERMEDIATE WALL SUPPORT**  
(SECTION VIEW)

SHEET

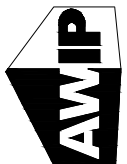
DATE: 09/08/11

DRAWN BY:  
CLR / JRM

8 OF 9

**INSULATED WALL PANEL  
GENERAL INSTALLATION GUIDE**

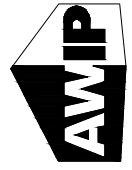
929 ALDRIDGE ROAD  
VACAVILLE, CA 95688  
PHONE: (707) 359-2280  
FAX: (707) 359-2286  
WWW.AWIPANELS.COM



ALL WEATHER INSULATED PANELS

# INSULATED WALL PANEL GENERAL INSTALLATION GUIDE

929 ALDRIDGE ROAD  
VACAVILLE, CA 95688  
PHONE: (707) 359-2280  
FAX: (707) 359-2286  
WWW.AWIPANELS.COM



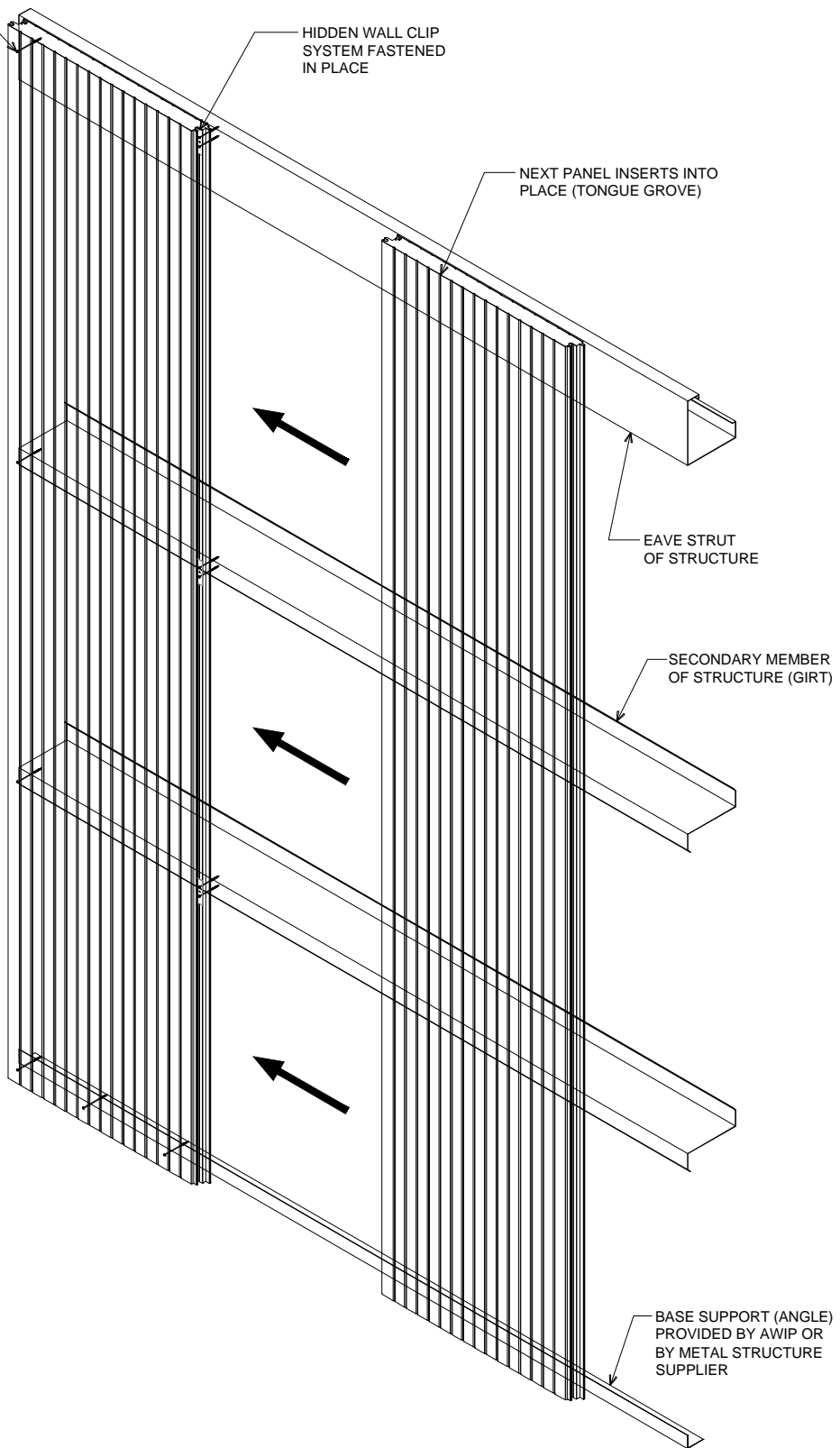
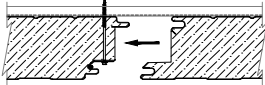
ALL WEATHER INSULATED PANELS

SECURE PANEL AT EDGES  
WITH THROUGH FASTENER

HIDDEN WALL CLIP  
SYSTEM FASTENED  
IN PLACE

NEXT PANEL INSERTS INTO  
PLACE (TONGUE GROOVE)

NOTE: PANEL ERECTION AND  
DIRECTION IS FROM LEFT TO  
RIGHT.



**PANEL INSTALLATION**  
(ISOMETRIC VIEW)