FRP CLEANSEAM™
INSULATED METAL WALL PANEL
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<td>CSM-CE-02A</td>
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### PVC TRIMS

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<tr>
<td>9550PVC</td>
<td>PVC BASE TRIM</td>
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<td>9560PVC</td>
<td>PVC JOINT COVER TRIM</td>
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<td>9580PVC</td>
<td>INTERIOR PVC CORNER TRIM</td>
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<tr>
<td>9590PVC</td>
<td>EXTERIOR PVC CORNER TRIM</td>
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GENERAL:

These details are provided as a guide for the use of the FRP CLEANSEAM™ panels as perimeter walls and partitions for typical processing applications utilizing the FRP CLEANSEAM™ system's seamless smooth FRP liner. For specific applications, modifications or variations of these details may be required. It is the responsibility of the project's designer to assure project details are appropriate for the intended use.

Current product specifications and performance certifications are available on-line at metlspan.com.

Note: the FRP CLEANSEAM™ panels are not intended for exterior applications or fire resistance rated construction.

Support Framing & Connections
It is the responsibility of the project designer to determine the vertical and horizontal design loads imposed upon the panels and to design the required suspension and bracing system to resist those design loads.

Metl-Span's Technical Services is available to verify panel load/span and panel connections capabilities when provided with the job specific design load data.

Note: operating conditions, such as differential air pressures induced by the ventilation system and rapid temperature change must be considered within the design loads.

Panel Thickness
The panel thickness is a primary factor determining the thermal insulating value and the load/span capability of the FRP CLEANSEAM™ panels. It is the responsibility of the project's designer to specify the appropriate wall and ceiling panel thickness required for the project's operating conditions and design loads.

Note: on some of these details, necessary panel thickness limitations are specified.

Vapor Barrier
When using the FRP CLEANSEAM™ panels, the continuity of the FRP liner functions as a vapor barrier on the interior side of the walls. It is the responsibility of the project's designer to determine if the project's environment and operating conditions require exterior vapor seals. Considering these are interior walls and ceilings, exterior vapor seals shown on these details are the default condition only in cases where the room's interior is specified to Metl-Span as being cooler than the surrounding ambient temperature.
GENERAL:

FRP Liner Seams
The seamless continuity of the FRP liner is provided by the field applied FRP CLEANSEAM™ Rigid Curing Sealant system which seals the FRP liner edges together at the panel side joints and wall corner junctions. At these joints and junctions a 1/8" to 3/8" continuous gap is to be provided between the opposing liner edges or surfaces. The gap is required to allow the flow of seam material into and behind the liner joint as necessary for a full strength joint seam.

The wall panel side joints are designed to provide the required liner edge gap when the joints are properly assembled.

FRP PVC Cover Trims
To maintain the seamless continuity of the interior liner system, it is intended that the panel framing and panel connections are applied to the exterior side of the panels. For conditions where the panel framing and connections can only be applied on the interior side, FRP PVC trim profiles are available to cover the panel framing member and connection fasteners. The application of the FRP CLEANSEAM™ Rigid Curing Sealant at the edges of the trim provides a seamless transition between trim and liner.
NOTE:
4", 5" OR 6" FRP CLEANSEAM™ PANEL RECOMMENDED FOR COOLERS.

NOTE:
DUE TO LACK OF PERIMETER INSULATION, CONDENSATION MAY OCCUR ON THE WARM SIDE. DETAIL IS INTENDED FOR CONDITIONS WITH TEMPERATURE DIFFERENCE BETWEEN THE TWO SIDES.

T = PANEL THICKNESS
4", 5" OR 6"

<table>
<thead>
<tr>
<th>T</th>
<th>16 GA. GALV. ANGLE</th>
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APPLICATION: PROCESSING
PARTITION WALL - COOLER BASE
FRP CLEANSEAM™
T = PANEL THICKNESS
2", 3", 4", 5" OR 6"

WARM

METL-SPAN FRP CLEANSEAM™ PANEL
FRP CLEANSEAM™ SMOOTH FRP FACE

WARM

FRP CLEANSEAM™ RIGID CURING SEALANT (FIELD APPLIED) [7250PWH]
ADHESIVE TAPE (FIELD APPLIED) [7251AWH]
1/4"-12 X 1" PH TYPE 3 @ 12" O.C. [12A]
PVC BASE TRIM [9650PVC]
FRP CLEANSEAM™ RIGID CURING SEALANT (FIELD APPLIED) [7250PWH]

FINISH FLOOR

ADHESIVE TAPE (FIELD APPLIED) [7251AWH]
CONC. FASTENERS (NOT BY METL-SPAN)
CONC. SLAB (NOT BY METL-SPAN)

16 GA. GALV. 10' BASE CHANNEL [SEE CHART]
POLYURETHANE TUBE SEALANT [HW540]

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APPLICATION: PROCESSING
PERIMETER WALL BASE
FRP CLEANSEAM™
NOTE:
4", 5" OR 6" FRP CLEANSEAM™ PANEL RECOMMENDED FOR COOLERS.

NOTE:
DUE TO LACK OF PERIMETER INSULATION, CONDENSATION MAY OCCUR ON THE WARM SIDE. DETAIL IS INTENDED FOR CONDITIONS WITH TEMPERATURE DIFFERENCE BETWEEN THE TWO SIDES.
NOTE:
4", 5" OR 6" FRP CLEANSEAM™ PANEL RECOMMENDED FOR COOLERS.
CURB REQUIRED FOR COOLERS.

NOTE:
DUE TO LACK OF PERIMETER INSULATION, CONDENSATION MAY OCCUR ON THE WARM SIDE. DETAIL IS INTENDED FOR CONDITIONS WITH TEMPERATURE DIFFERENCE BETWEEN THE TWO SIDES.

T = PANEL THICKNESS
4", 5" OR 6"

WRAM
FRP CLEANSEAM™ SMOOTH FRP FACE
FRP CLEANSEAM™ RIGID CURING SEALANT (FIELD APPLIED) [7250PWH]
COMPOSITE CURB (RECOMMENDED, NOT BY METL-SPAN)
COMPOSITE CURB ADHESIVE (NOT BY METL-SPAN)
NON-SKINNING BUTYL TUBE SEALANT [7100BWH]
FRP CLEANSEAM™ RIGID CURING SEALANT (FIELD APPLIED) [7250PWH]

COLD
METL-SPAN FRP CLEANSEAM™ PANEL
FRP CLEANSEAM™ SMOOTH FRP FACE
FRP CLEANSEAM™ RIGID CURING SEALANT (FIELD APPLIED) [7250PWH]
COMPOSITE CURB (RECOMMENDED, NOT BY METL-SPAN)
COMPOSITE CURB ADHESIVE (NOT BY METL-SPAN)

NOTE:
Panel joint butyl sealant shown is optional on cold side

10'-16 GA. GALV. 2" X 2" BASE ANGLE [AN220400]
1/4"-12 X 1" PH TYPE 3 @ 12" O.C. [12A]
COMPOSITE CURB ADHESIVE (NOT BY METL-SPAN)
URETHANE FLOORING (RECOMMENDED, NOT BY METL-SPAN)

POLYURETHANE TUBE SEALANT [HW540]
CONC. FASTENERS (NOT BY METL-SPAN)
CONC. SLAB (NOT BY METL-SPAN)
THERMAL BREAK INSULATION STRIP (NOT BY METL-SPAN)
APPLICATION: PROCESSING
BASE WITH CONCRETE CURB
FRP CLEANSEAM™

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T = PANEL THICKNESS
2", 3", 4", 5" OR 6"

CONCRETE CURB
(NOT BY METL-SPAN)

URETHANE FLOORING
(RECOMMENDED, NOT BY METL-SPAN)

POLYURETHANE TUBE SEALANT
[HWS40]

16 GA. GALV.
10' BASE CHANNEL
[SEE CHART]

ADHESIVE TAPE
(FIELD APPLIED)
[7251AWH]

FRP CLEANSEAM™
RIGID CURING SEALANT
(FIELD APPLIED)
[7250PWH]

PVC BASE TRIM
[9550PVC]

ADHESIVE TAPE
(FIELD APPLIED)
[7251AWH]

FRP CLEANSEAM™
RIGID CURING SEALANT
(FIELD APPLIED)
[7250PWH]

ADHESIVE TAPE
(FIELD APPLIED)
[7251AWH]

FRP CLEANSEAM™
SMOOTH FRP FACE

PANEL JOINT BUTYL SEALANT
SHOWN IS RECOMMENDED
FOR WASH DOWN APPLICATION

FRP CLEANSEAM™
RIGID CURING SEALANT
(FIELD APPLIED)
[7250PWH]

ADHESIVE TAPE
(FIELD APPLIED)
[7251AWH]

1/4"-12 X 1" PH
TYPE 3 @ 12" O.C.
[12A]
NOTE:
4", 5" OR 6" FRP CLEANSEAM™ PANEL RECOMMENDED FOR COOLERS.
CURB REQUIRED FOR COOLERS.

T = PANEL THICKNESS
4", 5" OR 6"

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<td>AN9202545</td>
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NOTE:
DUE TO LACK OF PERIMETER INSULATION, CONDENSATION MAY OCCUR ON THE WARM SIDE. DETAIL IS INTENDED FOR CONDITIONS WITH TEMPERATURE DIFFERENCE BETWEEN THE TWO SIDES.
NOTE: PANEL CORNERS MUST BE PROTECTED BY BOLLARDS (NOT BY METL-SPAN)
NOTE:
4", 5" OR 6" FRP CLEANSEAM™ PANEL RECOMMENDED FOR COOLERS.

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APPLICATION: PROCESSING
OUTSIDE CORNER - 3"
AND 4", 5" OR 6" - COOLER
FRP CLEANSEAM™

COLD

EXTERIOR PVC CORNER TRIM [9909PVC]
(T-1") X 2"
10'-16 GA. GALV. ANGLE [SEE CHART]
#14 X 4" PANCAKE HEAD TYPE 3 @ 12" O.C. [1432PNC]
ADHESIVE TAPE (FIELD APPLIED) [7251AWH]
FRP CLEANSEAM™ RIGID CURING SEALANT (FIELD APPLIED) [7250PWH]
FIELD NOTCH PANEL (NOT BY METL-SPAN)
FRP CLEANSEAM™ SMOOTH FRP FACE
METL-SPAN FRP CLEANSEAM™ PANEL

NOTE:
Panel corners must be protected by bollards (not by Metl-Span)

SEALANT TAPE [7300BGR]
1/4"-14 X 7/8" HWH TYPE 1 W/WASHER @ 8" O.C. [4A]
VAPOR BARRIER (NOT BY METL-SPAN)
1/4"-12 X 1" PH TYPE 3 @ 12" O.C. [12A]
CORNER TRIM [FS165]

WARM

T = PANEL THICKNESS
3", 4", 5" OR 6"
NOTE:

4", 5" OR 6" FRP CLEANSEAM™ PANEL RECOMMENDED FOR COOLERS.
(SPACE ABOVE CEILING MUST BE VENTILATED)

HANGER ROD
(NOT BY METL-SPAN)

SEALANT
(NOT BY METL-SPAN)

NOTE:
16GA. 2" X 2" ANGLE (NON-WALKABLE)
[AN220400]
14GA. 2" X 2" ANGLE (WALKABLE)
[AN142040]

ROD INSULATION
(NOT BY METL-SPAN)

SEALANT
(NOT BY METL-SPAN)

WARM

#14 X (T+13") PANCAKE HEAD
TYPE 3 @ 12" O.C.
[SEE CHART]

CORNER TRIM
[FS190]

F.I.P. INSULATION
(NOT BY METL-SPAN)

1/4"-12 X 1" PH
TYPE 3 @ 12" O.C.
[12A]

16 GA. GALV.
10 CHANNEL
[SEE CHART]

SEALANT TAPE
[73008GR]

1/4"-14 X 7/8" HWH TYPE 1
W/WASHER @ 8" O.C.
[AA]

METL-SPAN
FRP CLEANSEAM™ PANEL

T = PANEL THICKNESS
2", 3", 4", 5", OR 6"

ADHESIVE TAPE
(FIELD APPLIED)
[7251AWH]

1/4"-12 X 1" PH
TYPE 3 @ 12" O.C.
[12A]

10" 16 GA. GALV.
2" X 2" ANGLE
[AN220400]

INTERIOR PVC CORNER TRIM
[9580PVC]

FRP CLEANSEAM™
RIGID CURING SEALANT
(FIELD APPLIED)
[7250PHW]

FRP CLEANSEAM™
SMOOTH FRP FACE

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NOTE:
4", 5" OR 6" FRP CLEANSEAM™ PANEL RECOMMENDED FOR COOLERS.
4", 5" OR 6" FRP CLEANSEAM™ PANEL RECOMMENDED FOR COOLERS.

(SPACE ABOVE CEILING MUST BE VENTILATED)

NOTE:
16GA. 2" X 2" ANGLE (NON-WALKABLE)
[AN220400]
14GA. 2" X 2" ANGLE (WALKABLE)
[AN1422040]

C = PANEL THICKNESS
3" (NON-WALKABLE)
4", 5" OR 6" (WALKABLE)

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<td>TYPE 3 @ 12&quot; O.C.</td>
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<td>10&quot; CHANNEL</td>
<td>1464PNC</td>
</tr>
<tr>
<td>6&quot;</td>
<td>1&quot; 1/2 X 1&quot; PH</td>
<td>1464PNC</td>
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NOTE:
ADHESIVE TAPE (FIELD APPLIED)
[725PWH]
FRP CLEANSEAM™ SMOOTH FRP FACE

APPLICATION: PROCESSING
PARTITION WALL TO CEILING - COOLER
FRP CLEANSEAM™

DRAWING NO: CSM-CG-02A-A
DATE: APRIL '20
REV 00
NOTE:
4", 5" OR 6" FRP CLEANSEAM™ PANEL RECOMMENDED FOR COOLERS.

(SPACE ABOVE CEILING MUST BE VENTILATED)

NOTE:
16GA. 2" X 2" ANGLE (NON-WALKABLE) [AN220400]
14GA. 2" X 2" ANGLE (WALKABLE) [AN1422040]
16' LENGTH