FRP CLEANSEAM™
INSULATED METAL WALL PANEL
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PVC TRIMS

9550PVC PVC BASE TRIM
9560PVC PVC JOINT COVER TRIM
9570PVC PVC HEF-T TRIM
9580PVC INTERIOR PVC CORNER TRIM
9590PVC EXTERIOR PVC CORNER TRIM
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.
FRP CLEANSEAM™ PERIMETER WALL PANEL SECTION

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

EXTERIOR (FACE 1)
22 GA. 24 GA. OR 26 GA. STEEL
EMBOSSOED MESA PROFILE
EGGLO WHITE/POLYESTER

INTERIOR (FACE 2)
22 GA. 24 GA. OR 26 GA. STEEL
EMBOSSOED MESA PROFILE
EGGLO WHITE/POLYESTER

NOTE
SMOOTH FRP SIDES
EMBOSSOED MESA PROFILE ONLY

PANEL COVERAGE: 3'-6" [24']

DIRECTION OF INSTALLATION:

FRP CLEANSEAM™ PARTITION WALL PANEL SECTION

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

EXTERIOR (FACE 1)
22 GA. 24 GA. OR 26 GA. STEEL
EMBOSSOED MESA PROFILE
EGGLO WHITE/POLYESTER

INTERIOR (FACE 2)
22 GA. 24 GA. OR 26 GA. STEEL
EMBOSSOED MESA PROFILE
EGGLO WHITE/POLYESTER

NOTE
SMOOTH FRP SIDES
EMBOSSOED MESA PROFILE ONLY

PANEL COVERAGE: 3'-6" [24']

DIRECTION OF INSTALLATION:
**FRP CLEANSEAM™ PERIMETER WALL PANEL JOINT SECTION**

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

- **INTERIOR (FACE 2)**
  - 22 GA, 24 GA, OR 26 GA STEEL
  - (LIGHT MESA OR MESA PROFILE)
  - IGLOO WHITE/POLYESTER

- **NON-SKINNING BUTYL JOINT SEALANT**
  - (FIELD APPLIED, IF REQUIRED)

- **FRP CLEANSEAM™ RIGID CURING SEALANT**
  - (FIELD APPLIED)

- **FRP CLEANSEAM™ SMOOTH FRP FACE**

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**FRP CLEANSEAM™ PARTITION WALL PANEL JOINT SECTION**

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

- **EXTERIOR (FACE 1)**
  - 22 GA, 24 GA, OR 26 GA STEEL
  - (EMBOSS MESA PROFILE)
  - IGLOO WHITE/POLYESTER

- **FRP CLEANSEAM™ SMOOTH FRP FACE**

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**APPLICATION:** PROCESSING

**PERIMETER AND PARTITION WALL - CF 44.4" PANEL JOINT FRP CLEANSEAM™**

**DRAWING NO:** CSM-PJ-02

**DATE:** APRIL '20

**REV:** 00
NOTE:
4", 5" OR 6" FRP CLEANSEAM™ PANEL RECOMMENDED FOR COOLERS.

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PARTITION WALL - COOLER BASE
FRP CLEANSEAM™

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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"

WARM

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)
WARM
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]

PVC BASE TRIM
[9550PVC]

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

ADHESIVE TAPE
(FIELD APPLIED)
[7251AWH]

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

POLYURETHANE
TUBE SEALANT
[HWS40]

CONCRETE CURB
(NOT BY METL-SPAN)

URETHANE FLOORING
(RECOMMENDED, NOT BY METL-SPAN)

FINISH FLOOR

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

T

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APPLICATION: PROCESSING
BASE WITH CONCRETE CURB
FRP CLEANSEAM™

DRAWING NO: CSM-BE-04-A
DATE: APRIL '20
REV 00
NOTE:
4", 5" OR 6" FRP CLEANSEAM™ PANEL RECOMMENDED FOR COOLERS.
CURB REQUIRED FOR COOLERS.

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

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.

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APPLICATION:
PROCESSING

BASE WITH CONCRETE CURB - COOLER
FRP CLEANSEAM™

DRAWING NO:
CSM-BE-04A-A
DATE:
APRIL '20
REV
00
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™

DRAWING NO: CSM-CE-01A-A
DATE: APRIL '20
REV: 00
NOTE:

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

(SPACE ABOVE CEILING MUST BE VENTILATED)

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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)
[7250PWH]
FRP CLEANSEAM™
SMOOTH FRP FACE
NOTE:
PANEL JOINT BUTYL SEALANT
SHOWN IS OPTIONAL ON COLD SIDE

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

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NOTE:

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

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10' LENGTH
16' LENGTH
10' LENGTH