COLD STORAGE
APPLICATION
INSULATED METAL WALL PANEL
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DISCLAIMER:

THESE DETAILS ARE BASED ON INDUSTRY ACCEPTED PRACTICES AND PROVIDE A GUIDELINE FOR PROPER INSULATED METAL PANEL AND COMPONENT INSTALLATION.


FOR PROJECTS LOCATED IN EXTREMELY COLD CLIMATES, EXPOSED TO HIGH WIND-DRIVEN RAIN OR UNUSUAL INTERIOR CONDITIONS (SUSTAINED TEMPERATURES BELOW 65°F), IT MAY BE ADVISABLE TO MODIFY THE VAPOR BARRIER (JOINT SEALANT) LOCATION, OR TO ADD OPTIONAL EXTERIOR JOINT SEALANTS.

IT IS THE SOLE RESPONSIBILITY OF THE PROJECT ARCHITECT TO VERIFY VAPOR BARRIER LOCATION, INSULATION REQUIRED BY CODE AND HVAC EQUIPMENT/VENTILATION REQUIREMENTS TO ALLOW PROPER AIR FLOW AND THE PREVENTION OF CONDENSATION.

IT IS ALSO THE SOLE RESPONSIBILITY OF THE PROJECT ARCHITECT TO DETERMINE PROJECT-SPECIFIC DESIGN LOADS. METL-SPAN TECHNICAL SERVICES IS AVAILABLE TO VERIFY ALLOWABLE PANEL SPANS AND FASTENING REQUIREMENTS WHEN PROVIDED WITH THIS INFORMATION.

THE DETAILS CONTAINED HEREIN SHOW SIDE JOINT FASTENING ONLY. PLEASE CONTACT METL-SPAN TECHNICAL SERVICES FOR PROJECT-SPECIFIC FASTENING REQUIREMENTS.

ALL STRUCTURAL SUPPORTS ARE SHOWN FOR CLARITY ONLY, AND ARE NOT PROVIDED BY METL-SPAN.
SEALANTS, FASTENERS & CLOSURE MATERIAL:

BUTYL CAULK: FOR COMMERCIAL/INDUSTRIAL PROJECTS THE CAULK IS USUALLY APPLIED TO THE INTERIOR JOINT FEMALE POCKET (SEE DISCLAIMER). BUTYL CAULK IS ALSO USED TO CREATE "MARRIAGE BEADS" WHICH TIE THE PANEL SIDEJOINT VAPOR SEALS TO PANEL ENDJOINT VAPOR SEALS. BUTYL CAULK IS CONSIDERED "NON-SKINNING", WHICH MEANS IT STAYS SOFT, FLEXIBLE, AND DOES NOT HARDEN. BUTYL CAULK IS FOR UNEXPOSED AREAS ONLY, AND CANNOT BE USED WHERE IT WILL BE EXPOSED TO WEATHER OR SUNLIGHT.

BUTYL SEALANT TAPE: APPLIED BETWEEN FLASHINGS AND PANELS TO FORM A WEATHERTIGHT SEAL. ALL FASTENERS PENETRATING THE FLASHING MUST BE INSERTED THROUGH THE SEALANT TAPE.

URETHANE CAULK: USED IN LIEU OF BUTYL SEALANT WHERE THERE IS EXPOSURE TO THE ELEMENTS. IT IS RECOMMENDED FOR LAPPED TRIMS, EXPOSED PERIMETER SEALS AT FRAMED OPENINGS OR TO SEAL BETWEEN DIFFERENT CONSTRUCTION MATERIALS, SUCH AS METAL TO CONCRETE.

PANEL FASTENERS: INSULATED METAL PANEL FASTENERS ARE GENERALLY EITHER SELF-DRILLING/SELF-TAPPING (ALSO KNOWN AS TEK SCREWS), OR SELF-TAPPING (ALSO KNOWN AS B POINT SCREWS).

TEK FASTENERS CONTAIN A BUILT-IN DRILL POINT, AND DO NOT REQUIRE PRE-DRILLING. THEY ARE THE QUICKEST AND EASIEST WAY TO ATTACH PANELS TO LIGHT-MEDIUM GAUGE SUPPORTS.

B POINT FASTENERS REQUIRE A TWO-STEP OPERATION: FIRST HOLES ARE PRE-DRILLED INTO THE PANEL AND STRUCTURAL SUPPORT WITH AN APPROPRIATE SIZED BIT, THEN THE FASTENER IS INSERTED INTO THE HOLE AND TIGHTENED. B POINTS ARE TYPICALLY USED TO ATTACH PANELS TO MEDIUM-HEAVY GAUGE SUPPORTS THAT ARE NOT PENETRABLE BY TEK FASTENERS. IT IS IMPORTANT THAT THE PRE-DRILLED HOLES ARE SIZED CORRECTLY FOR THE FASTENERS TO ACHIEVE PROPER PULLOUT VALUES.

BULB-TITE® RIVETS: ARE SIMILAR TO EXPANSION FASTENERS, AND ARE USED WHERE BACK FASTENING OF THE PANELS TO STRUCTURAL SUPPORTS IS REQUIRED. HOLES MUST BE PRE-DRILLED WITH A 5/16" DIAMETER. THE GRIP RANGE OF THE RIVETS MUST BE MATCHED TO THE THICKNESS OF THE STRUCTURAL SUPPORT TO ENSURE PROPER FASTENING.
CF42
FLUTE/MESA OR LIGHT MESA

NOTE:
FIELD APPLY 1/2" CONTINUOUS BEAD OF BUTYL SEALANT IN INTERIOR FEMALE GROOVE BEFORE INSTALLING ON THE WARM SIDE OF PANEL OR AS SPECIFIED PER JOB REQUIREMENTS.

CF42
MESA/MESA OR MESA/LIGHT MESA

NOTE:
FIELD APPLY 1/2" CONTINUOUS BEAD OF BUTYL SEALANT IN INTERIOR FEMALE GROOVE BEFORE INSTALLING ON THE WARM SIDE OF PANEL OR AS SPECIFIED PER JOB REQUIREMENTS.

CF42
LIGHT MESA/LIGHT MESA
(INTERIOR ONLY)

WT = WALL THICKNESS
4", 5", 6" OR 8"

NOTE:
FIELD APPLY 1/2" CONTINUOUS BEAD OF BUTYL SEALANT IN INTERIOR FEMALE GROOVE BEFORE INSTALLING ON THE WARM SIDE OF PANEL OR AS SPECIFIED PER JOB REQUIREMENTS.
RT = ROOF THICKNESS
4", 5" OR 6"
(TYPICAL FOR COLD STORAGE)

2", 2 1/2" OR 3"
(PLEASE CONTACT
TECH SERVICES)

NOTE:
FIELD APPLIED 1/8" CONTINUOUS BEAD OF
BUTYL SEALANT IN INTERIOR FEMALE GROOVE
MAY BE REQUIRED IN COOL ERE PROJECT DEPENDING
RESPONSIBLE FOR STATING REQUIREMENTS.

CFR42
MESA/MESA

WT = WALL THICKNESS
4", 5", 6" OR 8"

METL-SPAN
INSULATED PANEL

CF45
MESA/MESA OR
LIGHT MESA/LIGHT MESA

APPLICATION:
COLD STORAGE

CFR AND CF45 PANEL JOINT
FREEZER OR COOLER

DRAWING NO:
CS-PJ-02

DATE:
JUN '20

REV:
00
APPLICATION: COLD STORAGE

PANEL ATTACHMENT - HEAVY GAUGE
SIDE JOINT AND
GIRT CLIPS W/BULB-TITE

DRAWING NO: CS-FSTN-01D
DATE: JUN '20
REV 00
FASTENING PATTERN 1
SIDE JOINT FASTENING

DIMENSION IS FROM FEMALE EDGE +/- 1.5"

FASTENING PATTERN 2
SIDE JOINT FASTENING
AND ONE DOME HEAD BULB-TITE® RIVET

INSTALL RIVET THROUGH GIRT FLANGE INTO MESA WHERE THE SKIN MAKES CONTACT WITH THE STEEL

(CONSULT FACTORY FOR FASTENER REQUIREMENTS NEEDED TO MEET SPECIFIC LOAD REQUIREMENTS)
DIMENSION IS FROM FEMALE EDGE +/- 1.5"

(FP3)

FASTENING PATTERN 3
SIDE JOINT FASTENING
AND TWO DOME HEAD BULB-TITE® RIVETS

INSTALL RIVET THROUGH GIRT FLANGE INTO MESA WHERE THE SKIN MAKES CONTACT WITH THE STEEL

DIMENSION IS FROM FEMALE EDGE +/- 1.5"

(FP4)

FASTENING PATTERN 4
SIDE JOINT FASTENING
WITH THREE DOME HEAD BULB-TITE® RIVETS

INSTALL RIVET THROUGH GIRT FLANGE INTO MESA WHERE THE SKIN MAKES CONTACT WITH THE STEEL

(CONSULT FACTORY FOR FASTENER REQUIREMENTS NEEDED TO MEET SPECIFIC LOAD REQUIREMENTS)
DIMENSION IS FROM
FEMALE EDGE +/- 1.5"

5.25" 10.5" 10.5" 10.5" 5.25"

(FP5)

FASTENING PATTERN 5
SIDE JOINT FASTENING
AND BACK FASTENING WITH
FOUR DOME HEAD BULB-TITE® RIVETS

INSTALL RIVET THROUGH GIRT FLANGE INTO
MESA WHERE THE SKIN MAKES CONTACT
WITH THE STEEL

DIMENSION IS FROM
FEMALE EDGE +/- 1.5"

10.5"

(FP6)

FASTENING PATTERN 6
SIDE JOINT FASTENING
AND ONE GIRT CLIP WITH TWO DOME HEAD
BULB-TITE® RIVETS

INSTALL RIVET THROUGH GIRT FLANGE INTO
MESA WHERE THE SKIN MAKES CONTACT
WITH THE STEEL

(CONSULT FACTORY FOR FASTENER REQUIREMENTS NEEDED TO
MEET SPECIFIC LOAD REQUIREMENTS)
DIMENSION IS FROM FEMALE EDGE +/- 1.5"

FASTENING PATTERN 7
SIDE JOINT FASTENING
AND TWO GIRT CLIPS WITH FOUR DOME HEAD
BULB-TITE® RIVETS

INSTALL RIVET THROUGH GIRT FLANGE INTO MESA WHERE THE SKIN MAKES CONTACT WITH THE STEEL

DIMENSION IS FROM FEMALE EDGE +/- 1.5"

FASTENING PATTERN 8
SIDE JOINT FASTENING
WITH THREE GIRT CLIPS WITH SIX DOME HEAD
BULB-TITE® RIVETS

INSTALL RIVET THROUGH GIRT FLANGE INTO MESA WHERE THE SKIN MAKES CONTACT WITH THE STEEL

(CONSULT FACTORY FOR FASTENER REQUIREMENTS NEEDED TO MEET SPECIFIC LOAD REQUIREMENTS)
FASTENING PATTERN 9
WITH FOUR SELF-TAPPING
SCREWS WITH MIN. 20 GA.
NEOPRENE BONDED WASHER

FASTENING PATTERN 10
WITH FIVE SELF-TAPPING
SCREWS WITH MIN. 20 GA.
NEOPRENE BONDED WASHER

(CONSULT FACTORY FOR FASTENER REQUIREMENTS NEEDED TO
MEET SPECIFIC LOAD REQUIREMENTS)
REFER TO SHEET "CS-INFO" FOR ADDITIONAL INFORMATION REGARDING THE APPLICATION OF SEALANTS, FASTENERS AND CLOSURE MATERIALS.
Refer to Sheet "CS-INFO" for additional information regarding the application of sealants, fasteners and closure materials.
NOTE: DUE TO THE LACK OF PERIMETER INSULATION, CONденSATION MAY OCCUR ON THE WARM SIDE

WARM

METL-SPAN INSULATED PANEL
FIELD APPLIED 3/4" CONTINUOUS BEAD OF NON-SKINNING BUTYL TUBE SEALANT IN FEMALE GROOVE ON WARM SIDE.
ELASTOMERIC SEALANT ON TOP OF POURABLE URETHANE W/MARRIAGE BEAD TO PANEL JOINT SEALANT

COLD

OPTION: ANGLE CAN BE TURNED INWARD OR OUTWARD, IF TURNED INWARD A GAP IS REQUIRED.

10-16 GA. GALV. 2' X 2' ANGLE OR 3' X 3' ANGLE
12 X 1" HWH TYPE 3 W/WASHER @ 12" O.C.
CONC. FASTENERS (NOT BY PANEL MANUFACTURER)

REFER TO SHEET "CS-INFO" FOR ADDITIONAL INFORMATION REGARDING THE APPLICATION OF SEALANTS, FASTENERS AND CLOSURE MATERIALS.

APPLICATION: COLD STORAGE
BASE COOLER

DRAWING NO: CS-BE-04
DATE: JUN '20
REV: 00
COLD

WT = WALL THICKNESS
4", 5", 6" OR 8"

WARM

METL-Span INSULATED PANEL

CONT. BUTYL SEALANT
(NOT BY PANEL MANUFACTURER)

12 X 1" HWH TYPE 3
W/WASHER @ 12" O.C.

T.O. SLAB

CONT. BUTYL SEALANT
(NOT BY PANEL MANUFACTURER)

POLYURETHANE TUBE SEALANT

CONE FASTENERS
(NOT BY PANEL MANUFACTURER)

FIELD APPLIED 1/4"
CONTINUOUS BEAD OF NON-SKINNING BUTYL TUBE SEALANT IN FEMALE GROOVE ON WARM SIDE.

LINE OF FACE OF WALL

CONT. BUTYL SEALANT
(NOT BY PANEL MANUFACTURER)

NON-SKINNING BUTYL TUBE SEALANT

16 GA. GALV.
10" BASE CHANNEL

NOTE: DUE TO THE LACK OF PERIMETER INSULATION, CONDENSATION MAY OCCUR ON THE WARM SIDE.

REFER TO SHEET "CS-INFO" FOR ADDITIONAL INFORMATION REGARDING THE APPLICATION OF SEALANTS, FASTENERS AND CLOSURE MATERIALS.
REFER TO SHEET "CS-INFO" FOR ADDITIONAL INFORMATION REGARDING THE APPLICATION OF SEALANTS, FASTENERS AND CLOSURE MATERIALS.
REFER TO SHEET "CS-INFO" FOR ADDITIONAL INFORMATION REGARDING THE APPLICATION OF SEALANTS, FASTENERS AND CLOSURE MATERIALS.

APPLICATION: COLD STORAGE

BASE
W/CHANNEL
FREEZER/FREEZER
T = PANEL THICKNESS
3", 4", 5", 6" OR 8"

METL-SPAN INSULATED PANEL

COLD

FIELD APPLIED 3/8"
CONTINUOUS BEAD OF
NON-SKINNING BUTYL
TUBE SEALANT IN FEMALE
GROOVE ON WARM SIDE.

10'-16 GA. GALV.
2" X 2" ANGLE OR
3" X 3" ANGLE

12 X 1" HWH TYPE 3
W/WASHER @ 12" O.C.

NON-SKINNING BUTYL
TUBE SEALANT

POLYURETHANE
TUBE SEALANT

COLDEST

SEALANT
(NOT BY METL-SPAN)

SLIP SHEET
(NOT BY METL-SPAN)

CONC. FASTENERS
(NOT BY METL-SPAN)

FLOOR INSULATION
(NOT BY METL-SPAN)

VAPOR BARRIER
(NOT BY METL-SPAN)

FINISHED FLOOR

REFER TO SHEET "CS-INFO" FOR ADDITIONAL INFORMATION
REGARDING THE APPLICATION OF SEALANTS, FASTENERS
AND CLOSURE MATERIALS.

APPLICATION:
COLD STORAGE

BASE
W/ANGLE
FREEZER/FREEZER

DRAWING NO:
CS-BP-01A

DATE:
JUN '20

REV:
00
REFER TO SHEET "CS-INFO" FOR ADDITIONAL INFORMATION REGARDING THE APPLICATION OF SEALANTS, FASTENERS AND CLOSURE MATERIALS.
WT = WALL THICKNESS
4", 5", 6" OR 8"

METL-SPAN
INSULATED PANEL
FIELD APPLIED 1/4
CONTINUOUS BEAD OF
NON-SKINNING BUTYL
TUBE SEALANT IN FEMALE
GROOVE ON WARM SIDE.

10'-16 GA. GALV.
2" X 2" ANGLE OR
3" X 3" ANGLE

12 X 1" HWH TYPE 3
W/WASHER @ 12" O.C.

NON-SKINNING BUTYL
TUBE SEALANT

SEALANT
(NOT BY PANEL MANUFACTURER)
SLIP SHEET
(NOT BY PANEL MANUFACTURER)
POLYURETHANE
TUBE SEALANT
CONC.FASTENERS
(NOT BY PANEL MANUFACTURER)
THERMAL BREAK
INSULATION STRIP
(NOT BY PANEL MANUFACTURER)

REFER TO SHEET "CS-INFO" FOR ADDITIONAL INFORMATION
REGARDING THE APPLICATION OF SEALANTS, FASTENERS
AND CLOSURE MATERIALS.
METL-SPAN INSULATED PANEL

FIELD APPLIED 1/4"
CONTINUOUS BEAD OF
NON-SKINNING BUTYL
TUBE SEALANT IN FEMALE
GROOVE ON WARM SIDE.

16 GA. GALV.
10' BASE CHANNEL

12 X 1" HWH TYPE 3
W/WASHER @ 12" O.C.

NON-SKINNING BUTYL
TUBE SEALANT

WT = WALL THICKNESS
4", 5", 6" OR 8"

SEALANT
(NOT BY PANEL MANUFACTURER)

SLIP SHEET
(NOT BY PANEL MANUFACTURER)

POLYURETHANE
TUBE SEALANT

12 X 1" HWH TYPE 3
W/WASHER @ 12" O.C.

NON-SKINNING BUTYL
TUBE SEALANT

CONC. FASTENERS
(NOT BY PANEL MANUFACTURER)

FINISHED FLOOR

NOTE:
DUE TO THE LACK OF PERIMETER INSULATION, CONDENSATION MAY OCCUR ON THE WARM SIDE IF TEMPERATURES ARE NOT THE SAME IN BOTH ROOMS.

COOLER/COOLER
OR
AMBIENT/AMBIENT

REFER TO SHEET "CS-INFO" FOR ADDITIONAL INFORMATION REGARDING THE APPLICATION OF SEALANTS, FASTENERS AND CLOSURE MATERIALS.
WT = WALL THICKNESS
4", 5", 6" OR 8"

METL-SPAN INSULATED PANEL
FIELD APPLIED 1/2"
CONTINUOUS BEAD OF
NON-SKINNING BUTYL
TUBE SEALANT IN FEMALE
GROOVE ON WARM SIDE.

CONT. BUTYL SEALANT
(NOT BY PANEL MANUFACTURER)

16 GA. GALV.
10" RASF CHANNEL

12 X 1" HWH TYPE 3
W/WASHER @ 12" O.C.

NON-SKINNING BUTYL
TUBE SEALANT

CONT. BUTYL SEALANT
(NOT BY PANEL MANUFACTURER)

NOTE:
DUE TO THE LACK OF PERIMETER INSULATION, CONDENSATION MAY OCCUR ON THE WARM SIDE

T.O. SLAB

12 X 1" HWH TYPE 3
W/WASHER @ 12" O.C.

CONT. BUTYL SEALANT
(NOT BY PANEL MANUFACTURER)

POLYURETHANE TUBE SEALANT

CONT. BUTYL SEALANT
(NOT BY PANEL MANUFACTURER)

CONC. FASTENERS
(NOT BY PANEL MANUFACTURER)

REFER TO SHEET "CS-INFO" FOR ADDITIONAL INFORMATION REGARDING THE APPLICATION OF SEALANTS, FASTENERS AND CLOSURE MATERIALS.
WT = WALL THICKNESS
4", 5", 6" OR 8"

WARM

METL-SPAN
INSULATED PANEL

FIELD APPLIED 1/2"
CONTINUOUS BEAD OF
NON-SKINNING BUTYL
TUBE SEALANT IN FEMALE
GROOVE ON WARM SIDE.

CONT. BUTYL SEALANT
(Not by panel manufacturer)

10'-16 GA. GALV.
2" X 2" ANGLE OR
3" X 3" ANGLE

12 X 1" HWH TYPE 3
W/WASHER @ 12" O.C.

NON-SKINNING BUTYL
TUBE SEALANT

CONT. BUTYL SEALANT
(Not by panel manufacturer)

POLYURETHANE
TUBE SEALANT

CONC. FASTENERS
(Not by panel manufacturer)

COLD

CONT. BUTYL SEALANT
(Not by panel manufacturer)

10'-16 GA. GALV.
2" X 2" ANGLE OR
3" X 3" ANGLE

12 X 1" HWH TYPE 3
W/WASHER @ 12" O.C.

T.O. SLAB

NON-SKINNING BUTYL
TUBE SEALANT

CONT. BUTYL SEALANT
(Not by panel manufacturer)

POLYURETHANE
TUBE SEALANT

CONC. FASTENERS
(Not by panel manufacturer)

NOTE:
DUE TO THE LACK OF PERIMETER
INSULATION, CONDENSATION
MAY OCCUR ON THE WARM SIDE.

REFER TO SHEET "CS-INFO" FOR ADDITIONAL INFORMATION
REGARDING THE APPLICATION OF SEALANTS, FASTENERS
AND CLOSURE MATERIALS.
WT = WALL THICKNESS
4", 5", 6" OR 8"

WARM
METL-SPAN
INSULATED PANEL
FIELD APPLIED 1/2"
CONTINUOUS BEAD OF
NON-SKINNING BUTYL
TUBE SEALANT IN FEMALE
GROOVE ON WARM SIDE.
CONT. BUTYL SEALANT
(NOT BY PANEL MANUFACTURER)
16 GA. GALV.
10" RASF CHANNEL
12 X 1" HWH TYPE 3
W/WASHER @ 12" O.C.
NON-SKINNING BUTYL
TUBE SEALANT
CONT. BUTYL SEALANT
(NOT BY PANEL MANUFACTURER)

NOTE:
DUE TO THE LACK OF PERIMETER
INSULATION, CONDENSATION
MAY OCCUR ON THE WARM SIDE

COLD
CONT. BUTYL SEALANT
(NOT BY PANEL MANUFACTURER)
12 X 1" HWH TYPE 3
W/WASHER @ 12" O.C.
T.O. SLAB
CONT. BUTYL SEALANT
(NOT BY PANEL MANUFACTURER)
POLYURETHANE
TUBE SEALANT
CONC. FASTENERS
(NOT BY PANEL MANUFACTURER)

REFER TO SHEET "CS-INFO" FOR ADDITIONAL INFORMATION
REGARDING THE APPLICATION OF SEALANTS, FASTENERS
AND CLOSURE MATERIALS.
METL-SPAN INSULATED PANEL
FIELD APPLIED 1/4" CONTINUOUS BEAD OF NON-SKINNING BUTYL TUBE SEALANT IN FEMALE GROOVE ON WARM SIDE.

CONT. BUTYL SEALANT (NOT BY PANEL MANUFACTURER)

10' - 16 GA. GALV. 2" X 2" ANGLE OR 3" X 3" ANGLE

12 X 1" HWH TYPE 3 W/WASHER @ 12" O.C.

NON-SKINNING BUTYL TUBE SEALANT
CONT. BUTYL SEALANT (NOT BY PANEL MANUFACTURER)

POLYURETHANE TUBE SEALANT

CONC. FASTENERS (NOT BY PANEL MANUFACTURER)

NOTE: DUE TO THE LACK OF PERIMETER INSULATION, CONDENSATION MAY OCCUR ON THE WARM SIDE

WT = WALL THICKNESS
4", 5", 6" OR 8"

REFER TO SHEET "CS-INFO" FOR ADDITIONAL INFORMATION REGARDING THE APPLICATION OF SEALANTS, FASTENERS AND CLOSURE MATERIALS.
REFER TO SHEET "CS-INFO" FOR ADDITIONAL INFORMATION REGARDING THE APPLICATION OF SEALANTS, FASTENERS AND CLOSURE MATERIALS.
WT = WALL THICKNESS
4", 5", 6" OR 8"

METL-SPAN INSULATED PANEL

SEALANT TAPE

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

VAPOR BARRIER (NOT BY PANEL MANUFACTURER)

EXPANDABLE FOAM INSULATION (NOT BY PANEL MANUFACTURER)

FIELD CUT THERMAL BREAK

CORNER TRIM

SUPPORT (NOT BY PANEL MANUFACTURER) THROUGH FASTENERS @ EACH SUPPORT (PRE-DRILL, REF. SHEET FST1)

CORNER TRIM

1/4"-14 X 7/8" HWH TYPE 1 W/WASHER @ 12" O.C.

WT = WALL THICKNESS
4", 5", 6" OR 8"

METL-SPAN INSULATED PANEL

WARM

COLD

REFER TO SHEET "CS-INFO" FOR ADDITIONAL INFORMATION REGARDING THE APPLICATION OF SEALANTS, FASTENERS AND CLOSURE MATERIALS.
REFER TO SHEET "CS-INFO" FOR ADDITIONAL INFORMATION REGARDING THE APPLICATION OF SEALANTS, FASTENERS AND CLOSURE MATERIALS.
COLD

EXPANDABLE FOAM INSULATION (NOT BY PANEL MANUFACTURER)

FIELD CUT THERMAL BREAK

CORNER TRIM

1/4" X 7/8" HWH TYPE 1 W/WASHER @ 12" O.C.

THROUGH FASTENERS @ EACH SUPPORT (PRE-DRILL, REF. SHEET FST1)

SUPPORT (NOT BY PANEL MANUFACTURER)

WT = WALL THICKNESS 4", 5", 6" OR 8"

METL-SPAN INSULATED PANEL

SEALANT TAPE

VAPOR BARRIER (NOT BY PANEL MANUFACTURER)

CORNER TRIM

1/4" X 7/8" HWH TYPE 1 W/WASHER @ 8" O.C.

METL-SPAN INSULATED PANEL

WARM

REFER TO SHEET "CS-INFO" FOR ADDITIONAL INFORMATION REGARDING THE APPLICATION OF SEALANTS, FASTENERS AND CLOSURE MATERIALS.

APPLICATION: COLD STORAGE

INSIDE CORNER FREEZER/FREEZER

DRAWING NO: CS-CE-03

DATE: JUN '20

REV: 00
Refer to sheet "CS-INFO" for additional information regarding the application of sealants, fasteners and closure materials.

Application: Cold Storage
Partition Corner
Freezer or Cooler

Application: Cold Storage
Partition Corner
Freezer or Cooler

WT = WALL THICKNESS
4", 5", 6" OR 8"

WT = WALL THICKNESS
4", 5", 6" OR 8"

METL-SPAN INSULATED PANEL

1/4" X 7/8" HWH TYPE 1
W/WASHER @ 12" O.C.

METL-SPAN INSULATED PANEL

1/4" X 7/8" HWH TYPE 1
W/WASHER @ 12" O.C.

METL-SPAN INSULATED PANEL

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

CORNER TRIM

SEALANT TAPE

VAPOR BARRIER
(Not by Panel Manufacturer)

FIELD CUT
THERMAL BREAK

EXPANDABLE FOAM INSULATION
(Not by Panel Manufacturer)
WARM/COLD

CORNER TRIM

VAPOR BARRIER
(NOT BY PANEL MANUFACTURER)

EXPANDABLE FOAM INSULATION
(NOT BY PANEL MANUFACTURER)

1/4"-14 X 7/8" HW4 TYPE 1
W/WASHER @ 8" O.C.

SEALANT TAPE

WARM

WT = WALL THICKNESS
4", 5", 6" OR 8"

COLD

WT = WALL THICKNESS
4", 5", 6" OR 8"

METF-LSPAN INSULATED PANEL

FIELD CUT
THERMAL BREAK

1/4"-14 X 7/8" HW4 TYPE 1
W/WASHER @ 12" O.C.

CORNER TRIM

METF-LSPAN INSULATED PANEL

REFER TO SHEET "CS-INFO" FOR ADDITIONAL INFORMATION REGARDING THE APPLICATION OF SEALANTS, FASTENERS AND CLOSURE MATERIALS.
Refer to sheet "CS-INFO" for additional information regarding the application of sealants, fasteners and closure materials.
**IMPORTANT NOTES:**

THIS DETAIL IS ONLY VALID WITH MAXIMUM 42" WIDE CEILING PANELS WITH A MINIMUM THICKNESS OF 2-1/2" OR 3" (NON-WALKABLE) OR 4", 5", 6" OR 8" (WALKABLE)

BRACING OF ROD MAY BE REQUIRED, DESIGNED AND SUPPLIED BY OTHERS (NOT BY PANEL MANUFACTURER).

ALL CEILING SUPPORT COMPONENTS AND PANELS MUST BE INSTALLED COMPLETELY PRIOR TO ALLOWING ANY TRAFFIC ON CEILING.

REFER TO SHEET "CS-INFO" FOR ADDITIONAL INFORMATION REGARDING THE APPLICATION OF SEALANTS, FASTENERS AND CLOSURE MATERIALS.
**IMPORTANT NOTES:**

THIS DETAIL IS ONLY VALID WITH MAXIMUM 42" WIDE CEILING PANELS WITH A MINIMUM THICKNESS OF 2-1/2" OR 3" (NON-WALKABLE) OR 4", 5", 6" OR 8" (WALKABLE)

BRACING OF ROD MAY BE REQUIRED, DESIGNED AND SUPPLIED BY OTHERS (NOT BY PANEL MANUFACTURER).

ALL CEILING SUPPORT COMPONENTS AND PANELS MUST BE INSTALLED COMPLETELY PRIOR TO ALLOWING ANY TRAFFIC ON CEILING.

REFER TO SHEET "CS-INFO" FOR ADDITIONAL INFORMATION REGARDING THE APPLICATION OF SEALANTS, FASTENERS AND CLOSURE MATERIALS.
NOTE:
CEILING PANELS MUST BE SUSPENDED FROM STRUCTURAL ABOVE. WALLS ARE NOT DESIGNED TO SUPPORT THE WEIGHT OF THE CEILING, AND THE SUSPENSION SYSTEM.

NOTE:
ALL INSTALLATION OF THE INSULATED CEILING PANELS AND ITS COMPONENTS MUST BE COMPLETED PRIOR TO ANY FOOT TRAFFIC ON THE CEILING. DURING INSTALLATION, IF THERE IS A PAUSE IN INSTALLING THE PANELS, THE LAST COURSE OF PANELS MUST BE SECURED PROPERLY, AND NO FOOT TRAFFIC SHALL BE ALLOWED ON THE CEILING PANELS DURING THIS PHASE.

NOTE:
(1) SPACE ABOVE CEILING MUST BE VENTILATED
(2) ALL CEILING SUPPORT COMPONENTS AND PANELS MUST BE INSTALLED COMPLETE PRIOR TO ALLOWING ANY TRAFFIC ON CEILING.

** IMPORTANT NOTES:**

DEPENDING ON PANEL AND SUPPORT SYSTEM, 16 GA. ANGLE MAY BE REQUIRED TO BE SUPPORTED BY ROOF STEEL. METHOD OF SUPPORT NOT BY PANEL MANUFACTURER. PLEASE REFERENCE CS-CG-04.

THIS DETAIL IS ONLY VALID WITH MAXIMUM 42" WIDE CEILING PANELS WITH A MINIMUM THICKNESS OF 2-1/2" OR 3" (NON-WALKABLE) OR 4", 5", 6" OR 8" (WALKABLE)

BRACING OF ROD MAY BE REQUIRED, DESIGNED AND SUPPLIED BY OTHERS (NOT BY PANEL MANUFACTURER).

REFER TO SHEET "CS-INFO" FOR ADDITIONAL INFORMATION REGARDING THE APPLICATION OF SEALANTS, FASTENERS AND CLOSURE MATERIALS.

APPLICATION: COLD STORAGE
CEILING PANEL JOINT W/ALUMINUM HEF-T & SPLICE ASSEMBLY VIEW FROM TOP SIDE FREEZER OR COOLER

DRAWING NO: CS-CG-05
DATE: JUN '20
REV 00
NOTE:
CEILING PANELS MUST BE SUSPENDED FROM STRUCTURAL.
ABOVE. WALLS ARE NOT DESIGNED TO SUPPORT THE
WEIGHT OF THE CEILING, AND THE SUSPENSION SYSTEM.

NOTE:
ALL INSTALLATION OF THE INSULATED CEILING PANELS AND
IT'S COMPONENTS MUST BE COMPLETED PRIOR TO ANY FOOT TRAFFIC
ON THE CEILING. DURING INSTALLATION, IF THERE IS A PAUSE IN
INSTALLING THE PANELS, THE LAST COURSE OF PANELS MUST BE
SECURED PROPERLY, AND NO FOOT TRAFFIC SHALL BE ALLOWED ON
THE CEILING PANELS DURING THIS PHASE.

NOTE:
(1) SPACE ABOVE CEILING MUST BE VENTILATED
(2) ALL CEILING SUPPORT COMPONENTS AND
PANELS MUST BE INSTALLED COMPLETE,
PRIOR TO ALLOWING ANY TRAFFIC ON CEILING.

** IMPORTANT NOTES:
DEPENDING ON PANEL AND SUPPORT SYSTEM, 16 GA. ANGLE MAY BE REQUIRED
TO BE SUPPORTED BY ROOF STEEL. METHOD OF SUPPORT NOT BY PANEL MANUFACTURER.
PLEASE REFERENCE CS-CG-64 AND CS-CG-65.

THIS DETAIL IS ONLY VALID WITH MAXIMUM 42" WIDE CEILING PANELS WITH A
MINIMUM THICKNESS OF 2-1/2" OR 3" (NON-WALKABLE) OR 4", 5", 6" OR 8" (WALKABLE)

BRACING OF ROD MAY BE REQUIRED, DESIGNED AND SUPPLIED BY OTHERS (NOT BY PANEL MANUFACTURER).

REFER TO SHEET "CS-INFO" FOR ADDITIONAL INFORMATION REGARDING THE APPLICATION
OF SEALANTS, FASTENERS AND CLOSURE MATERIALS.
**IMPORTANT NOTES:**

THIS DETAIL IS ONLY VALID WITH MAXIMUM 42" WIDE CEILING PANELS WITH A MINIMUM THICKNESS OF 2-1/2" OR 3" (NON-WALKABLE) OR 4", 5", 6" OR 8" (WALKABLE)

BRACING OF ROD MAY BE REQUIRED, DESIGNED AND SUPPLIED BY OTHERS (NOT BY PANEL MANUFACTURER).

ALL CEILING SUPPORT COMPONENTS AND PANELS MUST BE INSTALLED COMPLETELY PRIOR TO ALLOWING ANY TRAFFIC ON CEILING.

REFER TO SHEET "CS-INFO" FOR ADDITIONAL INFORMATION REGARDING THE APPLICATION OF SEALANTS, FASTENERS AND CLOSURE MATERIALS.

**APPLICATION:**
COLD STORAGE

**CEILING SUPPORT**
FREEZER OR COOLER
**IMPORTANT NOTES:**

THIS DETAIL IS ONLY VALID WITH MAXIMUM 42" WIDE CEILING PANELS WITH A MINIMUM THICKNESS OF 2-1/2" OR 3" (NON-WALKABLE) OR 4", 5", 6" OR 8" (WALKABLE)

BRACING OF ROD MAY BE REQUIRED, DESIGNED AND SUPPLIED BY OTHERS (NOT BY PANEL MANUFACTURER).

ALL CEILING SUPPORT COMPONENTS AND PANELS MUST BE INSTALLED COMPLETELY PRIOR TO ALLOWING ANY TRAFFIC ON CEILING.

REFER TO SHEET "CS-INFO" FOR ADDITIONAL INFORMATION REGARDING THE APPLICATION OF SEALANTS, FASTENERS AND CLOSURE MATERIALS.

*FIELD APPLY 1/4" CONTINUOUS BEAD OF BUTYL SEALANT IN INTERIOR FEMALE GROOVE BEFORE INSTALLING.

***WARM SIDE ONLY***
**IMPORTANT NOTES:**

THIS DETAIL IS ONLY VALID WITH MAXIMUM 42" WIDE CEILING PANELS WITH A MINIMUM THICKNESS OF 2-1/2" OR 3" (NON-WALKABLE) OR 4", 5", 6" OR 8" (WALKABLE)

BRACING OF ROD MAY BE REQUIRED, DESIGNED AND SUPPLIED BY OTHERS (NOT BY PANEL MANUFACTURER).

ALL CEILING SUPPORT COMPONENTS AND PANELS MUST BE INSTALLED COMPLETELY PRIOR TO ALLOWING ANY TRAFFIC ON CEILING.

REFER TO SHEET "CS-INFO" FOR ADDITIONAL INFORMATION REGARDING THE APPLICATION OF SEALANTS, FASTENERS AND CLOSURE MATERIALS.

APPLICATION: COLD STORAGE

CEILING SUPPORT FREEZER OR COOLER
**Important Notes:**

This detail is only valid with maximum 42" wide ceiling panels with a minimum thickness of 2-1/2" or 3" (non-walkable) or 4", 5", 6" or 8" (walkable).

Bracing of rod may be required, designed and supplied by others (not by panel manufacturer).

All ceiling support components and panels must be installed completely prior to allowing any traffic on ceiling.

Refer to sheet "CS-INFO" for additional information regarding the application of sealants, fasteners and closure materials.

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**Application:** Cold Storage

**Ceiling Support:** Freezer or Cooler

**Drawing No.:** CS-CG-09

**Date:** JUN '20

**Rev:** 00
**IMPORTANT NOTES:**

THIS DETAIL IS ONLY VALID WITH MAXIMUM 42" WIDE CEILING PANELS WITH A MINIMUM THICKNESS OF 2-1/2" OR 3" (NON-WALKABLE) OR 4", 5", 6" OR 8" (WALKABLE)

BRACING OF ROD MAY BE REQUIRED, DESIGNED AND SUPPLIED BY OTHERS (NOT BY PANEL MANUFACTURER).

ALL CEILING SUPPORT COMPONENTS AND PANELS MUST BE INSTALLED COMPLETELY PRIOR TO ALLOWING ANY TRAFFIC ON CEILING.

REFER TO SHEET "CS-INFO" FOR ADDITIONAL INFORMATION REGARDING THE APPLICATION OF SEALANTS, FASTENERS AND CLOSURE MATERIALS.
** IMPORTANT NOTES:

THIS DETAIL MUST BE USED WITH DETAIL CS-CG-12. INTERMEDIATE ATTACHMENT IS REQUIRED.

THIS DETAIL IS ONLY VALID WITH MAXIMUM 42" WIDE CEILING PANELS WITH A
MINIMUM THICKNESS OF 2-1/2" OR 3" (NON-WALKABLE) OR 4", 5", 6" OR 8" (WALKABLE)

BRACING OF ROD MAY BE REQUIRED, DESIGNED AND SUPPLIED BY OTHERS (NOT BY PANEL MANUFACTURER).

ALL CEILING SUPPORT COMPONENTS AND PANELS MUST BE INSTALLED COMPLETELY PRIOR TO
ALLOWING ANY TRAFFIC ON CEILING.

REFER TO SHEET "CS-INFO" FOR ADDITIONAL INFORMATION REGARDING THE APPLICATION OF SEALANTS,
FASTENERS AND CLOSURE MATERIALS.
**IMPORTANT NOTES:**

THIS DETAIL MUST BE USED WITH DETAIL CS-CG-11. INTERMEDIATE ATTACHMENT IS REQUIRED.

THIS DETAIL IS ONLY VALID WITH MAXIMUM 42" WIDE CEILING PANELS WITH A MINIMUM THICKNESS OF 2-1/2" OR 3" (NON-WALKABLE) OR 4", 5", 6" OR 8" (WALKABLE)

BRACING OF ROD MAY BE REQUIRED, DESIGNED AND SUPPLIED BY OTHERS (NOT BY PANEL MANUFACTURER).

ALL CEILING SUPPORT COMPONENTS AND PANELS MUST BE INSTALLED COMPLETELY PRIOR TO ALLOWING ANY TRAFFIC ON CEILING.

REFER TO SHEET "CS-INFO" FOR ADDITIONAL INFORMATION REGARDING THE APPLICATION OF SEALANTS, FASTENERS AND CLOSURE MATERIALS.
REFER TO SHEET "CS-INFO" FOR ADDITIONAL INFORMATION REGARDING THE APPLICATION OF SEALANTS, FASTENERS AND CLOSURE MATERIALS.

APPLICATION: COLD STORAGE
EAVE FREEZER OR COOLER
REFER TO SHEET "CS-INFO" FOR ADDITIONAL INFORMATION REGARDING THE APPLICATION OF SEALANTS, FASTENERS AND CLOSURE MATERIALS.

APPLICATION: COLD STORAGE
EAVE W/GUTTER FREEZER OR COOLER

DRAWING NO: CS-EE-02
DATE: JUN '20
REV 00
COPING TRIM (NOT BY PANEL MANUFACTURER)
VAPOR BARRIER (NOT BY PANEL MANUFACTURER) SEAL TO FACE OF PANEL
DOUBLE BEAD BUTYL TAPE
EAVE TRIM, METAL CLEAT, FASTENER & METHOD OF INSTALLATION (NOT BY PANEL MANUFACTURER)
FLUTE CLOSURE STRIP (1) PER PANEL (IF REQUIRED)
CLIP FASTENERS (2) PER CLIP (ADDITIONAL FASTENERS MAY BE REQUIRED BASED ON NEGATIVE WIND PRESSURES)
14 GA. 4 HOLE CF PANEL CLIP
METL-SPAN INSULATED PANEL
PANEL CAP & FASTENERS (NOT BY PANEL MANUFACTURER) INSTALL IMMEDIATELY TO PROTECT AGAINST WEATHER
FASTENERS @ 8" O.C. (NOT BY PANEL MANUFACTURER)
DOUBLE BEAD BUTYL TAPE
INSULATED CANT. (NOT BY PANEL MANUFACTURER)
ROOF MEMBRANE, SEALANT & METHOD OF INSTALLATION (NOT BY PANEL MANUFACTURER)
F.I.P. INSULATION (NOT BY PANEL MANUFACTURER)

WARM
COLD
WT — WALL THICKNESS
4", 5", 6" OR 8"

REFER TO SHEET "CS-INFO" FOR ADDITIONAL INFORMATION REGARDING THE APPLICATION OF SEALANTS, FASTENERS AND CLOSURE MATERIALS.
REFER TO SHEET "CS-INFO" FOR ADDITIONAL INFORMATION REGARDING THE APPLICATION OF SEALANTS, FASTENERS AND CLOSURE MATERIALS.

APPLICATION: COLD STORAGE
WALL TO ROOF FREEZER/COOLER COOLER/AMBIENT

DRAWING NO: CS-WR-01
DATE: JUN '20
REV: 00
**NOTE:**
TO ALLOW ROOM FOR MOVEMENT, DO NOT OVER TIGHTEN FASTENER.

FASTENER
(NOT BY PANEL MANUFACTURER)
CONT. 3"X5" 16 GA.
SLOTTED ANGLE
(NOT BY PANEL MANUFACTURER)
SECURED WITH
1/4"-14 X 1-1/4" LL
HWH TYPE 3 W/WASHER
@ 12" O.C.

FASTENER
(NOT BY PANEL MANUFACTURER)
CONT. 3"X5" 16 GA.
SLOTTED ANGLE
(NOT BY PANEL MANUFACTURER)
SECURED WITH
1/4"-14 X 1-1/4" LL
HWH TYPE 3 W/WASHER
@ 12" O.C.

MINERAL FIBER INSULATION,
ROOF INSULATION
AND METAL DECK
(NOT BY METL-SPAN)

WT – WALL THICKNESS
4", 5", 6" OR 8"

REFER TO SHEET "CS-INFO" FOR ADDITIONAL INFORMATION REGARDING THE APPLICATION OF SEALANTS, FASTENERS AND CLOSURE MATERIALS.
Refer to sheet "CS-INFO" for additional information regarding the application of sealants, fasteners and closure materials.

Application: Cold Storage
Wall to Roof
Cooler/Cooler
Ambient/Ambient
APPLICATION: COLD STORAGE
LOW ROOF/HIGH ROOF INTERSECT
FREEZER OR COOLER

REFER TO SHEET "CS-INFO" FOR ADDITIONAL INFORMATION REGARDING THE APPLICATION OF SEALANTS, FASTENERS AND CLOSURE MATERIALS.

WT = WALL THICKNESS
4", 5", 6" OR 6'

WT

COLD

14 GA. HOE ALF PANEL CLIP

CLIP FASTENERS (2) PER CLIP (ADDITIONAL FASTENERS MAY BE REQUIRED BASED ON NEGATIVE WIND PRESSURES)

METL-SPAN INSULATED PANEL

12 X 1" HWH TYPE 3 W/WASHER @ 8" O.C.

ELASTOMERIC SEALANT
[7203EGFR]

SEALANT TAPE

FLUTE CLOSURE STRIP (1) PER PANEL (IF REQUIRED)

COUNTER TRIM

INSULATED CANT (NOT BY PANEL MANUFACTURER)

ROOF MEMBRANE, SEALANTS AND METHOD OF ATTACHMENT (NOT BY PANEL MANUFACTURER)

NON-SKINNING BUTYL TUBE SEALANT (2) PANEL JOINT EXTERIOR FACE OF WALL PANEL

ELASTOMERIC SEALANT W/MARRIAGE BEAD TO PANEL JOINT SEALANT

WARM
REFER TO SHEET "CS-INFO" FOR ADDITIONAL INFORMATION REGARDING THE APPLICATION OF SEALANTS, FASTENERS AND CLOSURE MATERIALS.

APPLICATION: COLD STORAGE

LOW ROOF/HIGH ROOF
INTERSECT
FREEZER OR COOLER

DRAWING NO: CS-CFR-EV-G1
DATE: JUN '20
REV 00
REFER TO SHEET "CS-INFO" FOR ADDITIONAL INFORMATION REGARDING THE APPLICATION OF SEALANTS, FASTENERS AND CLOSURE MATERIALS.

APPLICATION: COLD STORAGE

LOW EAVE WITH STANDARD GUTTER FREEZER OR COOLER

METL-SPAN INSULATED PANEL

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

DOUBLE BEAD BUTYL TAPE

FLUTE CLOSURE STRIP (1) PER PANEL (IF REQUIRED)

14 GA. 4 HOLE CF PANEL CLIP

WARM

COLD

WT = WALL THICKNESS 4", 5", 6" OR 8"

EXPANDABLE FOAM INSULATION (NOT BY PANEL MANUFACTURER)

BUTYL SEALANT TAPE

CLIP SEALANT

CFR PANEL CLIP @ EA. PANEL SIDELAP

METL-SPAN CFR INSULATED ROOF PANEL

1/4"-14 X 2" HWH TYPE 3 W/O WASHER (3) PER CLIP

* OPTIONAL: CONTINUOUS NON-SKINNING BUTYL TUBE SEALANT W/ MARRIAGE BEAD TO PANEL JOINT SEALANT

* NOTE: INTERIOR VAPOR SEAL MAY BE REQUIRED IN COOLERS.

PROJECT DESIGNER RESPONSIBLE FOR STATING REQUIREMENTS.

* OPTIONAL: NON-SKINNING BUTYL TUBE SEALANT

* NOTE: INTERIOR VAPOR SEAL MAY BE REQUIRED IN COOLERS.

PROJECT DESIGNER RESPONSIBLE FOR STATING REQUIREMENTS.

1/4"-14 HWH TYPE B W/O WASHER (2) PER CLIP (PRE-DRILL, REF. SHEET FST1)

(ADDITIONAL FASTENERS MAY BE REQUIRED BASED ON NEGATIVE WIND PRESSURES)

EAVE SUPPORT (NOT BY PANEL MANUFACTURER)
REFER TO SHEET "CS-INFO" FOR ADDITIONAL INFORMATION REGARDING THE APPLICATION OF SEALANTS, FASTENERS AND CLOSURE MATERIALS.
Refer to sheet "CS-INFO" for additional information regarding the application of sealants, fasteners and closure materials.
REFER TO SHEET "CS-INFO" FOR ADDITIONAL INFORMATION REGARDING THE APPLICATION OF SEALANTS, FASTENERS AND CLOSURE MATERIALS.
1/4"-14 x 1 1/4" LL HWH TYPE 3
W/ 1 1/8" WASHER
@ EACH BACKUP PLATE

TRIPLE BEAD BUTYL TAPE

3" OVERLAP

RT = ROOF THICKNESS

TRIPLE BEAD BUTYL TAPE
(SEE INSTALLATION GUIDE)

BUTYL SEALANT TAPE
CLIP SEALANT

CFR PANEL CLIP
@ EA. PANEL SIDELAP

* OPTIONAL:
CONTINUOUS NON-SKINNING
BUTYL TUBE SEALANT
W/ MARRIAGE BEAD TO
PANEL JOINT SEALANT
* NOTE: INTERIOR VAPOR SEAL MAY BE
REQUIRED IN COOLERS. PROJECT DESIGNER
RESPONSIBLE FOR STATING REQUIREMENTS.

FASTENERS
(NOT BY METL-SPAN)

ARCH/G.C NOTE:
ADDITIONAL STEEL REQUIRED
(NOT BY METL-SPAN)

METL-SPAN CFR
INSULATED ROOF PANEL

BACK-UP PLATE FACTORY
INSTALLED @ EACH HIGH
MEGA 4" O.C.

1/4" HWH FASTENER
W/O WASHER (3) PER CLIP

TRIPLE BEAD BUTYL TAPE

ROOF PURLINS
(NOT BY PANEL MANUFACTURER)

COLD

REFER TO SHEET "CS-INFO" FOR ADDITIONAL INFORMATION
REGARDING THE APPLICATION OF SEALANTS, FASTENERS
AND CLOSURE MATERIALS.
Refer to Sheet "CS-INFO" for additional information regarding the application of sealants, fasteners, and closure materials.
DOUBLE VAPOR VAPOR BARRIER
(NOT BY PANEL MANUFACTURER)

#14 HWH FASTENER
w/BONDED WASHER
@ 12" O.C.

RAKE ZEE TRIM

DOUBLE BEAD BUTYL TAPE

JOINT TRIM

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

DOUBLE BEAD BUTYL TAPE

DOUBLE BEAD BUTYL TAPE

METL-SPAN CFR
INSULATED ROOF PANEL

* OPTIONAL:
NON-SKINNING BUTYL
TUBE SEALANT
* NOTE: INTERIOR VAPOR SEAL MAY
BE REQUIRED IN COOLERS.
PROJECT DESIGNER RESPONSIBLE
FOR STATING REQUIREMENTS.

LOCK RIVET
@ 12" O.C.
(NOT BY PANEL MANUFACTURER)

CONTINUOUS SUPPORT
(NOT BY PANEL MANUFACTURER)

COLD

WARM

CORNER TRIM

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

SEALANT TAPE
W/ MARRIAGE BEAD TO
PANEL JOINT SEALANT

NON-SKINNING BUTYL
TUBE SEALANT

REFERENCES TO SHEET "CS-INFO" FOR ADDITIONAL INFORMATION
REGARDING THE APPLICATION OF SEALANTS, FASTENERS
AND CLOSURE MATERIALS.

APPLICATION:
COLD STORAGE

ROOF TRANSITION
FREEZER OR COOLER

CS-CFR-TR-09
JUN '20
00