COLD STORAGE
APPLICATION
INSULATED METAL WALL PANEL
INDEX:

GENERAL:
CS-INDEX-01 INDEX SHEET
CS-INDEX-01 INDEX SHEET
CS-INFO-01 DISCLAIMER NOTES
CS-INFO-02 SEALANTS & FASTENERS

PANEL JOINT:
CS-PJ-01 CF PANEL JOINT - FREEZER OR COOLER
CS-PJ-02 CFR AND CF45 PANEL JOINT - FREEZER OR COOLER

FASTENING:
CS-FSTN-01A PANEL ATTACHMENT - LIGHT GAUGE - SIDE JOINT ONLY
CS-FSTN-01B PANEL ATTACHMENT - HEAVY GAUGE - SIDE JOINT ONLY
CS-FSTN-01C PANEL ATTACHMENT - LIGHT GAUGE - SIDE JOINT AND BULB-TITE
CS-FSTN-01D PANEL ATTACHMENT - LIGHT GAUGE - SIDE JOINT AND GIRT CLIPS W/BULB-TITE
CS-FP-1-2 FASTENING PATTERN FP1 AND FP2
CS-FP-3-4 FASTENING PATTERN FP3 AND FP4
CS-FP-5-6 FASTENING PATTERN FP5 AND FP6
CS-FP-7-8 FASTENING PATTERN FP7 AND FP8
CS-FP-9-10 FASTENING PATTERN FP9 AND FP10

BASE:
CS-BE-01 BASE - FREEZER OR COOLER
CS-BE-02 BASE - COOLER
CS-BE-03A LOW ROOF/HIGH WALL INTERSECT - FREEZER OR COOLER
CS-BE-04 BASE - COOLER
CS-BE-05 BASE W/O INSULATION - COOLER
CS-BL-01 BASE @ LINER WALL W/CHANNEL - FREEZER
CS- BP-01 BASE W/CHANNEL - FREEZER/FREEZER
CS- BP-01A BASE W/ANGLE - FREEZER/FREEZER
CS- BP-02 BASE W/CHANNEL - FREEZER/FREEZER
CS- BP-03 BASE - COOLER/AMBIENT
CS- BP-04 BASE - COOLER/COOLER OR AMBIENT/AMBIENT
CS- BP-05 BASE W/CHANNEL - COOLER
CS- BP-05A BASE W/ANGLE - COOLER
CS- BP-06 BASEW/CHANNEL
CS- BP-06A BASE W/ANGLE

STACK JOINT:
CS-SJ-01 STACK JOINT - FREEZER OR COOLER
INDEX:

CORNER:
CS-CE-01  OUTSIDE CORNER - TUBE SUPPORT - FREEZER/FREEZER
CS-CE-02  OUTSIDE CORNER - FREEZER/FREEZER
CS-CE-03  INSIDE CORNER - FREEZER/FREEZER
CS-CL-01  LINER CORNER - FREEZER OR COOLER
CS-CP-01  PARTITION CORNER - FREEZER OR COOLER
CS-CP-02  WALL INTERSECTION - FREEZER OR COOLER
CS-CP-03  WALL INTERSECTION - FREEZER OR COOLER
CS-CP-04  WALL INTERSECTION - FREEZER OR COOLER

CEILING:
CS-CG-03  CEILING SUPPORT W/CHANNEL AND COVER TRIM - FREEZER OR COOLER
CS-CG-04  CEILING SUPPORT - HEF-T - FREEZER OR COOLER
CS-CG-05  CEILING PANEL JOINT W/ALUMINUM HEF-T & SPlice ASSEMBLY
- FREEZER OR COOLER
CS-CG-05A  ALUMINUM HEF-T W/HANGER RODS & SPlice ANGLE ASSEMBLY
- FREEZER OR COOLER
CS-CG-06  CEILING SUPPORT - FREEZER OR COOLER
CS-CG-07  CEILING SUPPORT - FREEZER OR COOLER
CS-CG-08  CEILING SUPPORT - FREEZER OR COOLER
CS-CG-09  CEILING SUPPORT - FREEZER OR COOLER
CS-CG-10  CEILING SUPPORT - FREEZER OR COOLER
CS-CG-11  CEILING SUPPORT - 8" S-CLIP TO HANGER ROD - FREEZER OR COOLER
CS-CG-12  CEILING SUPPORT - 8" S-CLIP @ BUTT JOINT - FREEZER OR COOLER

EAVE/PARAPET/WALL TO ROOF:
CS-EE-01  EAVE - FREEZER OR COOLER
CS-EE-02  EAVE W/GUTTER - FREEZER OR COOLER
CS-PT-01  PARAPET - FREEZER OR COOLER
CS-WR-01  WALL TO ROOF - FREEZER/COOLER OR COOLER/AMBIENT
CS-WR-02  WALL TO ROOF - COOLER/COOLER OR AMBIENT/AMBIENT
CS-WR-02A  WALL TO ROOF - COOLER/COOLER OR AMBIENT/AMBIENT
CS-WR-03  LOW ROOF/HIGH ROOF INTERSECT - FREEZER OR COOLER

WALL TO CFR:
CS-CFR-EV-01  LOW EAVE - FREEZER OR COOLER
CS-CFR-EV-G1  LOW EAVE WITH NORTHERN GUTTER - FREEZER OR COOLER
CS-CFR-EV-G3  LOW EAVE WITH STANDARD GUTTER - FREEZER OR COOLER
CS-CFR-EV-02  HIGH EAVE - FREEZER OR COOLER
CS-CFR-RK-01  RAKE WITH HIGH PROFILE TRIM - FREEZER OR COOLER
CS-CFR-AT-01  INTERMEDIATE ATTACHMENT - FREEZER OR COOLER
CS-CFR-EL-01  ENDLAP ATTACHMENT - FREEZER OR COOLER
CS-CFR-RG-01  RIDGE - FREEZER OR COOLER
CS-CFR-TR-09  TRANSITION - FREEZER OR COOLER
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 SEAL 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)

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 1/2" CONTINUOUS BEAD OF
BUTYL SEALANT IN INTERIOR FEMALE GROOVE
MAY BE REQUIRED IN COOL EZR PROJECT.
ENGINEER 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
FASTENING PATTERN 1
SIDE JOINT FASTENING

DIMENSION IS FROM FEMALE EDGE +/- 1.5"

10.5"

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"

(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"

(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"

(FP7)

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"

(FP8)

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.
METL-SPAN
INSULATED PANEL

FIELD APPLIED ½" CONTINUOUS BEAD OF NON-SKINNING BUTYL TUBE SEALANT IN FEMALE GROOVE ON WARM SIDE.

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

16 GA. GALV. 10' BASE CHANNEL

POLYURETHANE TUBE SEALANT

NON-SKINNING BUTYL TUBE SEALANT

COUNTER FLASH

ELASTOMERIC SEALANT ON TOP OF POURABLE URETHANE W/MARRIAGE BEAD TO PANEL JOINT SEALANT

WARM

COLD

SEALANT (NOT BY PANEL MANUFACTURER)

SLIP SHEET (NOT BY PANEL MANUFACTURER)

FIELD CUT THERMAL BREAK

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

FLOOR INSULATION (NOT BY PANEL MANUFACTURER)

VAPOR BARRIER (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.
APPLICATION: COLD STORAGE
LOW ROOF/HIGH WALL INTERSECT W/CHANNEL FREEZER OR COOLER

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, CONDENSATION MAY OCCUR ON THE WARM SIDE.

WARM

METL-SPAN INSULATED PANEL
FIELD APPLIED 3/8" 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
12 X 1" HWH TYPE 3 W/WASHER @ 12" O.C.
NON-SKINNING BUTYL TUBE SEALANT
COUNTER FLASH
POLYURETHANE TUBE SEALANT
CONC.FASTENERS (NOT BY PANEL MANUFACTURER)

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)
POLYURETHANE TUBE SEALANT

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.

APPLICATION: COLD STORAGE
BASE COOLER
COLD

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

WARM

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.

CONT. BUTYL SEALANT
(NOT BY PANEL MANUFACTURER)

POLYURETHANE
TUBE SEALANT

CONC. FASTENERS
(NOT BY PANEL MANUFACTURER)

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

T.O. SLAB

METL-SPAN
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.
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
REFER TO SHEET "CS-INFO" FOR ADDITIONAL INFORMATION REGARDING THE APPLICATION OF SEALANTS, FASTENERS AND CLOSURE MATERIALS.
FIELD APPLIED ½ 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

POLYURETHANE TUBE SEALANT

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

FLOOR INSULATION (NOT BY PANEL MANUFACTURER)

VAPOR BARRIER (NOT BY PANEL MANUFACTURER)

CONC. FASTENERS (NOT BY PANEL MANUFACTURER)

FIELD CUT THERMAL BREAK

NON-SKINNING BUTYL TUBE SEALANT

SEALANT (NOT BY PANEL MANUFACTURER)

SLIP SHEET (NOT BY PANEL MANUFACTURER)

FINISHED FLOOR

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

DRAWING NO: CS-BP-02

DATE: JUN '20

REV: 00
WT = WALL THICKNESS
4", 5", 6" OR 8"

METL-SPAN INSULATED PANEL

FIELD APPLIED $\frac{1}{4}$" 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.
NOTE: DUE TO THE LACK OF PERIMETER INSULATION, CONDENSATION MAY OCCUR ON THE WARM SIDE IF TEMPERATURES ARE NOT THE SAME IN BOTH ROOMS.

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.

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

CONT. BUTYL SEALANT
(NOT BY PANEL MANUFACTURER)

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

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"

WT (WALL THICKNESS)

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
(NOT BY PANEL MANUFACTURER)

CONC. FASTENERS
(NOT BY PANEL MANUFACTURER)

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

T.O. SLAB

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
(NOT BY PANEL MANUFACTURER)

CONC. FASTENERS
(NOT BY PANEL MANUFACTURER)

CONC. FASTENERS
(NOT BY PANEL MANUFACTURER)

CS-BP-05A
JUN '20
00

APPLY 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.

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.

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"

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)

T.O. SLAB
CONC. FASTENERS (NOT BY PANEL MANUFACTURER)
POLYURETHANE TUBE SEALANT
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.

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
OUTSIDE CORNER TUBE SUPPORT FREEZER/FREEZER

DATE: JUN '20
DRAWING NO.: CS-CE-01
REV: 00
MEETL-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)

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

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

CORNER TRIM

METL-SPAN INSULATED PANEL

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

WARM

COLD

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

APPLICATION: COLD STORAGE

OUTSIDE CORNER FREEZER/FREEZER

DRAWING NO: CS-CE-02

DATE: JUN '20

REV 00
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.
EXPANDABLE FOAM INSULATION
(NOT BY PANEL MANUFACTURER)

FIELD CUT
THERMAL BREAK

VAPOR BARRIER
(NOT BY PANEL MANUFACTURER)

CORNER TRIM

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

SEALANT TAPE

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

METL-SPAN
INSULATED PANEL

CORNER TRIM

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

METL-SPAN
INSULATED PANEL

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.

APPLICATION: COLD STORAGE

PARTITION CORNER
FREEZER OR COOLER

DRAWING NO: CS-CP-01

DATE: JUN '20

REV: 00
REFER TO SHEET "CS-INFO" FOR ADDITIONAL INFORMATION REGARDING THE APPLICATION OF SEALANTS, FASTENERS AND CLOSURE MATERIALS.
THROUGH FASTENERS @ EACH SUPPORT
(PRE-DRILL, REF. SHEET FST1)

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

SEALANT TAPE

WARM

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

METL-SPAN INSULATED PANEL
FIELD CUT THERMAL BREAK
VAPOR BARRIER
(NOT BY PANEL MANUFACTURER)
1/4"-14 X 7/8" HWHTYPE 1
W/WASHER @ 8"O.C.

SEALANT TAPE

COLD

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

METL-SPAN INSULATED PANEL
FIELD CUT THERMAL BREAK
EXPANDABLE FOAM INSULATION
(NOT BY PANEL MANUFACTURER)
CORNER TRIM
1/4"-14 X 7/8" HWHTYPE 1
W/WASHER @ 12"O.C.

METL-SPAN INSULATED PANEL
CORNER TRIM

COLDEST

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 INTERSECTION
FREEZER OR COOLER

WARM

CORNER TRIM
VAPOR BARRIER
(NOT BY PANEL MANUFACTURER)
EXPANDABLE FOAM INSULATION
(NOT BY PANEL MANUFACTURER)
1/4"-14 X 7/8" HWH TYPE 1
W/WASHER @ 8" O.C.
SEALANT TAPE

WALL
(NOT BY PANEL MANUFACTURER)
CONC.FASTENERS
(NEW BY PANEL MANUFACTURER)
1/4"-14 X 7/8" HWH TYPE 1
W/WASHER @ 12" O.C.
CORNER TRIM
METL-SPAN INSULATED PANEL

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

COLD

WT
**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.

** APPLICATION: COLD STORAGE **

CEILING SUPPORT

HEF-T

FREEZER OR COOLER
(SPACE ABOVE CEILING MUST BE VENTILATED)

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.
**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 AND CS-CG-05.

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.

**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:**

**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.

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

**WARM SIDE ONLY**

**APPLICATION:**
COLD STORAGE

**CEILING SUPPORT:**
FREEZER OR COOLER

**DRAWING NO.:**
CS-CG-07

**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.

**APPLICATION:**
COLD STORAGE

**CEILING SUPPORT:**
FREEZER OR COOLER

**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.

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 ANDSUPPLIED 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 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.

APPLICATION: COLD STORAGE

CEILING SUPPORT
8" S-CLIP TO HANGER ROD FREEZER OR COOLER

DRAWING NO: CS-CG-11
DATE: JUN '20
REV: 00
**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.
REFER TO SHEET "CS-INFO" FOR ADDITIONAL INFORMATION REGARDING THE APPLICATION OF SEALANTS, FASTENERS AND CLOSURE MATERIALS.
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

WT – WALL THICKNESS
4”, 5”, 6” OR 8”

WARM

COLD

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)

ANGLE
(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.

Application: Cold Storage

WALL TO ROOF
FREEZER/COOLER
COOLER/AMBIENT

Drawing No: CS-WR-01
Date: JUN '20
Rev: 00
MINERAL FIBER INSULATION, 
ROOF INSULATION 
AND METAL DECK 
(NOT BY METL-SPAN)

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.

*NOTE: 
TO ALLOW ROOM FOR MOVEMENT, 
DO NOT OVER TIGHTEN FASTENER.

METL-SPAN 
INSULATED PANEL

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.
RECOMMENDED DETAILS - INSTALLATION:

**NOTE:**
TO ALLOW ROOM FOR MOVEMENT,
DO NOT OVER TIGHTEN FASTENER.

METL-SPAN
INSULATED PANEL

- **FASTENER**
  - CONT. 3"X5" 16 GA.
  - SLOTTED ANGLE
  - SECURED WITH
  - 1/4"-14 X 1.3/4" LL
  - HWH TYPE 3 W/WASHER
  - @ 12" O.C.

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

WT

ELASTOMERIC SEALANT
[7203EG]

SEALANT TAPE

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

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)

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-WR-03
DATE: JUN '20
REV 00
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

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.

APPLYMENT: COLD STORAGE

LOW EAVE
WITH STANDARD GUTTER
FREEZER OR COOLER

DRAWING NO: CS-CFR-EV-G3
DATE: JUN '20
REV: 00
Refer to Sheet "CS-INFO" for additional information regarding the application of sealants, fasteners and closure materials.
#14 HWH FASTENER w/BONDED WASHER @ 12" O.C.

VAPOUR BARRIER (NOT BY PANEL MANUFACTURER)

RAKE TRIM

EXPANDABLE FOAM INSULATION (NOT BY PANEL MANUFACTURER)

1/4"-14 HWH TYPE B W/O WASHER (2) PER CLIP (PRE-DRILL PVC SHEET FIRST) (ADDITIONAL FASTENERS MAY BE REQUIRED BASED ON NEGATIVE WIND PRESSURES)

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

DOUBLE BEAD BUTYL TAPE W/MARRIAGE BEAD TO PANEL JOINT SEALANT

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

14 GA. HOLE CF PANEL CLIP

METL-SPAN INSULATED PANEL

WARM

COLD

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

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

DOUBLE BEAD BUTYL TAPE

RAKE ZEE TRIM

DOUBLE BEAD BUTYL TAPE

RT = ROOF THICKNESS 4", 5" OR 6"

* OPTIONAL: NON-SHRINKING BUTYL TUBE SEALANT

* NOTE: INTERIOR VAPOUR SEAL MAY BE REQUIRED IN COOLERS. PROJECT DESIGNER RESPONSIBLE FOR STATING REQUIREMENTS.

RAKE SUPPORT (NUISANCE BY ME; IL-SPAN)

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

**Endlap Attachment**
Freezer or Cooler

---

*Optional:
Continuous Non-Skinning Butyl Tape 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

**Refer to Sheet “CS-INFO” for Additional Information Regarding the Application of Sealants, Fasteners and Closure Materials.**

---

**REF:**
Metl-Span CFR Insulated Roof Panel

**Back-Up Plate Factory Installed**
@ Each High MESA 4" O.C.

**1/4" HWH Fastener**
W/O Washer (3) Per Clip

**Triple Bead Butyl Tape**

**Roof Purlins**
Not By Panel Manufacturer

---

**1/4"-14 X 1 1/4" LL HWH TYPE 3**
W/ 1 1/8" Washer
@ Each Backup Plate

**3" Overlay**

---

**3T = Roof Taperedness**

---

**Cold**