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# THERM+ H-I 76

## Pressure Plate

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## Details

- **Title:** THERM+ H-I - 76/80mm Cover Profiles
- **Drawing By:** M. Lavoie
- **Update:** J. Paul-Hus
- **Date:** 2020-01-06

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ADVICE

- IC2 TECHNOLOGIES RECOMMEND 15mm COVER PROFILE ON VERTICAL MULLIONS AND 12mm COVER PROFILES ON HORIZONTAL TRANSOMS FOR A BETTER FINISH;

DETAILS

Title: THERM+ H-I 76/80mm
COVER PROFILE & DOUBLE GLAZING

DRAWING BY: M. LAVOIE

UPDATE:
Nom: J.PAUL-HUS	Date: 2020-01-06
**ADVICE**

- IC2 TECHNOLOGIES RECOMMEND 15mm COVER PROFILE ON VERTICAL MULLIONS AND 12mm COVER PROFILES ON HORIZONTAL TRANSOMS FOR A BETTER FINISH;

**DETAILS**

**Title:**
THERM+ H-I 76/80mm
COVER PROFILE & TRIPLE GLAZING

**DRAWING BY:**
M. LAVOIE

**UPDATE:**
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VERTICAL SYSTEM (MULLION)

HORIZONTAL SYSTEM (TRANSOM)

DETAILS

Title: THERM+ H-I 76/80mm
WOOD COVER PROFILE & TRIPLE GLAZING

DRAWING BY: M. LAVOIE

UPDATE: J.PAUL-HUS  Date: 2020-01-06

Page: 2.1.4

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ADVICE
- IC2 TECHNOLOGIES RECOMMEND 15mm COVER PROFILE ON VERTICAL MULLIONS AND 12mm COVER PROFILES ON HORIZONTAL TRANSOMS FOR A BETTER FINISH;
MANDATORY USE OF GASKET 56 TO RESPECT 16mm REQUIRED GLASS BITE
RECOMMENDATION

- IC2 TECHNOLOGIES RECOMMEND A MAXIMUM SPACE OF 500mm CENTER TO CENTER BETWEEN SUCTION DISCS TO BE VALIDATED BY AN ENGINEER.

DETAILS

Title: THERM+ H-I - SG2 SYSTEM
WITH SUCTION DISC - ROUND - DOUBLE GLAZING

DRAWING BY: M. LAVOIE
UPDATE: J.PAUL-HUS Date: 2020-01-06

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RECOMMENDATION

- IC2 TECHNOLOGIES RECOMMEND A MAXIMUM SPACE OF 500mm CENTER TO CENTER BETWEEN SUCTION DISCS TO BE VALIDATED BY AN ENGINEER.
RECOMMENDATION

- IC2 TECHNOLOGIES RECOMMEND A MAXIMUM SPACE OF 500mm CENTER TO CENTER BETWEEN SUCTION DISCS TO BE VALIDATED BY AN ENGINEER.

DETAILS

Title: THERM+ H-I - SG2 SYSTEM WITH SUCTION DISC - DOUBLE GLAZING

DRAWING BY: M. LAVOIE

UPDATE: J.PAUL-HUS Date: 2020-01-06

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VERTICAL SYSTEM (MULLION)

HORIZONTAL SYSTEM (TRANSOM)

RECOMMENDATION

- IC2 TECHNOLOGIES RECOMMEND A MAXIMUM SPACE OF 500mm CENTER TO CENTER BETWEEN SUCTION DISCS TO BE VALIDATED BY AN ENGINEER.
SELF-ADHESIVE VAPOUR PERMEABLE AND AIR BARRIER MEMBRANE SOPRASEAL STICK VP - SOPREMA BY IC² Technologies inc.

COMPOSITION TYPE, PAR AUTRES

- SPANDREL PANEL BY IC² Technologies inc.
- 16mm AIR SPACE [RAICO'S INTERIOR JOINT]
- SELF-ADHESIVE VAPOUR BARRIER MEMBRANE SOPRASEAL STICK 1100T - SOPREMA
- 12.7mm [1/2"] THICK PLYWOOD.
- WOOD STUD
- FIBER GLASS INSULATION
- WOOD FORENCE 1"X3"
- INTERIOR FINISH CHOSEN BY THE ARCHITECT.

SPANDREL PANEL BY IC² TECHNOLOGIES

- EXTRUDED POLYSTYRENE INSULATION, VARIABLE THICKNESS
- 3.2mm THICK ALUMINUM SHEET, COLOR TO CHOOSE BY THE ARCHITECT.

SELF-ADHESIVE VAPOUR PERMEABLE AND AIR BARRIER MEMBRANE SOPRASEAL STICK VP - SOPREMA BY IC² Technologies inc.

RAICO SEALANT #952015

ALUMINUM OR WOOD COVER PROFILE

ALUMINUM OR WOOD COVER PROFILE

VARIES
**CAUTION**

IC² Technologies don't recommend to use steel return on isolated back pans curtain wall. This method could result in a high risk of condensation at the edge of the adjacent glazing. They can create a thermal bridge and cool the aluminum base profile. We suggest to use rigid insulation at the perimeter of the isolated back pans curtain wall to compensate the glass thickness. We can also use exterior spandrel glass assembled in sealed units in front of the isolated back pans curtain wall.

---

Diagram:

- Poor design:
  - Steel return not recommended
  - Risk of condensation on glazing

- Good design:
  - Rigid insulation and Norton tape
  - Sealed unit Norton tape

---

Details:

**Title:**
GALVANIZED STEEL BACK PAN CURTAIN WALL

**Drawing by:**
M. Lavoie

**Update:**
J.Paul-Hus Date: 2020-01-06

---

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STRUCTURAL TIMBER CURTAIN WALL

REGULAR MULLION

COVER PROFILE

80 [3 1/8']

16 [5/8']

76 [3']

VARIES

40 [1 5/8']

40 [1 5/8']

VARIES

76 [3']

VARIES

20 [3/4']

VARIES

SELF-ADHESIVE VAPOUR PERMEABLE AND AIR BARRIER MEMBRANE SOPRASEAL STICK VP - SOPREMA BY IC² Technologies inc.

SPANDREL PANEL BY IC² TECHNOLOGIES
- EXTRUDED POLYSTYRENE INSULATION, VARIABLE THICKNESS
- 3.2mm THICK ALUMINUM SHEET, COLOR CHOSEN BY THE ARCHITECT.

STRUCTURAL TIMBER CURTAIN WALL

COLUMN WITH 2 RAICO SYSTEMS

DETAILS

Title: THERM+ H-I 76/80
STRUCTURAL SYSTEM

DRAWING BY: M. LAVOIE
UPDATE: J.PAUL-HUS Date: 2020-01-06

Page: 3.1

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SELF-ADHESIVE VAPOUR PERMEABLE AND AIR BARRIER MEMBRANE SOPRASEAL STICK VP - SOPREMA BY IC² Technologies inc.

3.2mm THICK ALUMINUM SHEET WITH EXTRUDED POLYSTYRENE INSULATION, TO BE PAINTED, BY IC² Technologies inc.

RAICO SEALANT

SECTION DETAIL
Details:

Title: THERM+ H-I 76/80

Details:

- 3.2mm thick aluminum sheet with extruded polystyrene insulation, to be painted, by IC² Technologies inc.
- Rock wool insulation as Curtainrock by Roxul, by others
- Self-adhesive air/vapour barrier membrane Sopraseal Stick VP - Soprema by IC² Technologies inc.
- 80 [3 1/8"]
- 76 [3"]

Section Detail:

- Self-adhesive air/vapour barrier membrane Sopraseal Stick 1100T - Soprema by IC² Technologies inc.
- Raico sealant
3.2mm THICK ALUMINUM SHEET WITH EXTRUDED POLYSTYRENE INSULATION, TO BE PAINTED, BY IC² Technologies inc.

SECTION DETAIL

THERM+ H-I 76/80
45° MULLION CORNER
STEEL COLUMN IS NECESSARY IF D1 > 500 mm [19 11/16"] SUPPLIED AND INSTALLED BY IC2 TECHNOLOGIES.

DISTANCE D2 TO BE DETERMINED BY ENGINEER.

BACKER ROD AND STRUCTURAL SILICONE JOINT.

SECTION DETAIL

DETAILS

Title: THERM+ H-I 76/80
CORNER WITH STEEL COLUMN

DRAWING BY: M. LAVOIE
UPDATE: J.PAUL-HUS
Date: 2020-01-06

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SECTION DETAIL

BACKER ROD AND STRUCTURAL SILICONE JOINT

45° MULLION

VARIABLES

4.1.2.2 THERM+ H-I 76/80 COLUMN WITH WOOD COLUMN

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ALUMINUM DOOR
5020 SERIES BY ALUMICO

ALUMINUM DOOR THRESHOLD AND MORTAR

GALVANIZED STEEL ANGLE BY OTHERS

ROUGH OPENING

80 [3 1/8]
31/8]
22 [7/8]
16 [5/8]
25 [1]

THERM+ H-I 76/80
ALUMINUM DOOR - ALUMICO - DOUBLE GLAZING

SECTION DETAIL
ALUMINUM DOOR
5020 SERIES BY ALUMICO

ALUMINUM DOOR
THRESHOLD AND
MORTAR

GALVANIZED STEEL ANGLE BY
OTHERS

HDPE BLOCK SEALED AND INSTALLED
BY OTHERS

ROUGH OPENING

DETAILS

Title:
THERM+ H-1 76/80
ALUMINUM DOOR - ALUMICO - TRIPLE GLAZING

DRAWING BY:
M. LAVOIE

UPDATE:
J.PAUL-HUS

Date:
2020-01-06

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5.1.2

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PLAN DETAIL

ROUGH OPENING

ALUMINUM DOOR
5020 SERIES BY ALUMICO

DETAILS

Title:
THERM+ H-1 76/80
ALUMINUM DOOR - ALUMICO - DOUBLE GLAZING

DRAWING BY:
M. LAVOIE

UPDATE:
J.PAUL-HUS Date: 2020-01-06

5.1.3

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WOOD DOOR WITH ALUMINUM CLADDING BY LEMBERC
OPENING TYPE: IN-SWING

NOTE:
WOOD: AVAILABLE IN THE SAME SPECIES AS IC² Technologies TIMBER CURTAIN WALLS.
GLASS: AVAILABLE WITH DOUBLE GLAZING.
ALUMINUM: COLOR PER SPECS

THRESHOLD DOOR

ROUGH OPENING
WOOD DOOR WITH ALUMINIUM CLADDING BY LEMBERC
OPENING TYPE: IN-SWING

NOTE:
WOOD: AVAILABLE IN THE SAME SPECIES AS IC² Technologies TIMBER CURTAIN WALLS.
GLASS: AVAILABLE WITH DOUBLE GLAZING.
ALUMINUM: COLOR PER SPECS
SINGLE LIFT AND SLIDE DOOR ELEVATION
(STANDARD)

NOTE: THE MODEL OF WOOD LIFT AND SLIDE DOOR (STANDARD) IS ALSO AVAILABLE IN DOUBLE FORMAT.
CONNECTION PROFILE AT THE OPENING PERIMETER ACCORDING TO THE FILLING THICKNESS BY IC2 TECHNOLOGIES

38mm [1 1/2"] THICK EXPANDED POLYSTYRENE INSULATION & 1.6mm THICK ALUMINUM SHEET PAINTED IN THE SAME COLOR AS THE COVER PROFILES

LIFT AND SLIDE BY IC2 TECHNOLOGIES

1.6mm THICK ALUMINUM SHEET PAINTED THE SAME COLOR AS THE COVER PROFILES

TOP TRACK CLEAR ANODIZED

ALUMINUM PROFILE PAINTED THE SAME COLOR AS THE COVER PROFILES

BASE TRACK CLEAR ANODIZED

ROUGH OPENING

SECTION DETAIL

DETAILS

Title: THERM+ H-I 76/80
SINGLE WOOD LIFT AND SLIDE DOOR (STANDARD)
IC² TECH - DOUBLE GLAZING

DRAWING BY: M. LAVOIE

UPDATE: J.PAUL-HUS  Date: 2020-01-06

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ALUMINUM PROFILE PAINTED THE SAME COLOR AS THE COVER PROFILES

CLEAR ANODIZED INTERIOR HANDLE AND EXTERIOR FLUSH PULL
PAINT WITH THE SAME COLOR AS COVER PROFILE

PLAN DETAIL

 DETAILS

Title: THERM+ H-1 76/80
SINGLE WOOD LIFT AND SLIDE DOOR (STANDARD)
IC² TECH - DOUBLE GLAZING

DRAWING BY: M. LAVOIE
UPDATE: J.PAUL-HUS Date: 2020-01-06

Page: 5.3.2

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TOP TRACK CLEAR ANODIZED

LIFT AND SLIDE DOOR BY IC2 TECHNOLOGIES

BASE TRACK CLEAR ANODIZED

CONNECTION PROFILE AT THE OPENING PERIMETER ACCORDING TO THE FILLING THICKNESS BY IC2 TECHNOLOGIES

38mm [1 1/2"] THICK EXPANDED POLYSTYRENE INSULATION & 1.6mm THICK ALUMINUM SHEET PAINTED THE SAME COLOR AS THE COVER PROFILES

ALUMINUM PROFILE PAINTED THE SAME COLOR AS THE COVER PROFILES

1.6mm THICK ALUMINUM SHEET PAINTED THE SAME COLOR AS THE COVER PROFILES

SECTION DETAIL

DETAILS

Title: THERM+ H-I 76/80
SINGLE WOOD LIFT AND SLIDE DOOR (STANDARD)
IC² TECH - TRIPLE GLAZING

DRAWING BY: M. LAVOIE
UPDATE: J.PAUL-HUS
Date: 2020-01-06

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ALUMINUM PROFILE PAINTED THE SAME COLOR AS THE COVER PROFILES

CLEAR ANODIZED INTERIOR HANDLE AND EXTERIOR FLUSH PULL PAINT WITH THE SAME COLOR AS COVER PROFILE

TOP TRACK CLEAR ANODIZED

ALUMINUM THRESHOLD DOOR (SEE SECTION DETAIL FOR MORE INFORMATION)

PLAN DETAIL
DOUBLE LIFT AND SLIDE DOOR ELEVATION (OVERSIZE)

NOTE: THE MODEL OF WOOD LIFT AND SLIDE DOOR (OVERSIZE) IS ALSO AVAILABLE IN SINGLE FORMAT.
ROUGH OPENING

CONNECTION PROFILE AT THE OPENING PERIMETER ACCORDING TO THE FILLING THICKNESS BY IC2 TECHNOLOGIES

38mm [1 1/2'] THICK EXPANSED POLYSTYRENE INSULATION & 1.6mm THICK ALUMINUM SHEET PAINTED THE SAME COLOR AS THE COVER PROFILES

ALUMINUM PROFILE PAINTED THE SAME COLOR AS THE COVER PROFILES

LIFT AND SLIDE DOOR BY IC2 TECHNOLOGIES

TRACK CLEAR ANODIZED

1.6mm THICK ALUMINUM SHEET PAINTED IN THE SAME COLOR AS THE COVER PROFILES

SHALLOWER MULLION

TRACK CLEAR ANODIZED

SECTION DETAIL

DETAILS

Title: THERM+ H-I 76/80 DOUBLE WOOD LIFT AND SLIDE DOOR (STANDARD) IC2 TECH - DOUBLE GLAZING

DRAWING BY: J.PAUL-HUS

UPDATE: J.PAUL-HUS Date: 2020-01-06

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ALUMINUM THRESHOLD DOOR
(SEE THE SECTION DETAIL FOR MORE INFORMATION)

CLEAR ANODIZED INTERIOR HANDLE AND EXTERIOR FLUSH PULL PAINTED THE SAME COLOR AS THE COVER PROFILES

ALUMINUM PROFILE PAINTED THE SAME COLOR AS THE COVER PROFILES

PLAN DETAIL
ROUGH OPENING

TRACK CLEAR ANODIZED

LIFT AND SLIDE DOOR BY IC2 TECHNOLOGIES

ALUMINUM PROFILE PAINTED THE SAME COLOR AS THE COVER PROFILES

CONNECTION PROFILE AT THE OPENING PERIMETER ACCORDING TO THE FILLING THICKNESS BY IC2 TECHNOLOGIES

38mm [1 1/2'] THICK EXPANSED POLYSTYRENE INSULATION & 1.6mm THICK ALUMINUM SHEET PAINTED THE SAME COLOR AS THE COVER PROFILES

SHALLOWER MULLION

1.6mm THICK ALUMINUM SHEET PAINTED IN THE SAME COLOR AS THE COVER PROFILES

SECTION DETAIL

DETAILS

Title :
THERM+ H-I 76/80
DOUBLE WOOD LIFT AND SLIDE DOOR (OVERSIZE)
IC2 TECH - TRIPLE GLAZING

DRAWING BY :
J.PAUL-HUS

UPDATE :

Nom : J.PAUL-HUS Date : 2020-01-06

Page : 5.4.3

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ALUMINUM THRESHOLD DOOR (SEE THE SECTION DETAIL FOR MORE INFORMATIONS)

CLEAR ANODIZED INTERIOR HANDLE AND EXTERIOR FLUSH PULL PAINTED THE SAME COLOR AS THE COVER PROFILES

ALUMINUM PROFILE PAINTED THE SAME COLOR AS THE COVER PROFILES

PLAN DETAIL
ROUGH OPENING

SETTING BLOCK AND SEALANT BY OTHERS

ALUMINUM WINDOW 8500 TI SERIES BY ALUMICO

SECTION DETAIL

DETAILS

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SECTION DETAIL

ALUMINUM WINDOW 8500 TI SERIES BY ALUMICO

HDPE BLOCK SEALED AND INSTALLED BY OTHERS

ROUGH OPENING

80 [3 1/8"]

4 [1/8"]

>25 [1"]

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PLAN DETAIL
AVAILABLE WITH TRIPLE GLAZING

80 [3 1/8"]
ROUGH OPENING
80 [3 1/8’]

4 [1/8’]
SETTING BLOCK AND SEALANT BY OTHERS

4 [1/8’]
ALUMINUM WINDOW 8500 TI SERIES BY ALUMICO
ROUGH OPENING

80 [3 1/8"]

4 [1/8”]

FINISH GASKET OR SEALANT, BY OTHERS

25 [1”]

ALUMINUM WINDOW
1350 UNI VENT SERIES
BY ALUMICOR

SECTION DETAIL

DETAILS
Title:
THERM+ H-I 76/80
ALUMINUM WINDOW - ALUMICOR - DOUBLE GLAZING

DRAWING BY:
M. LAVOIE

UPDATE:
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Date: 2020-01-06

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Page:
6.2.1

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ROUGH OPENING

80 [3 1/8"]

FINISH GASKET OR SEALANT, BY OTHERS

4 [1/8”]

ALUMINUM WINDOW 1350 UNI VENT SERIES BY ALUMICOR

PLAN DETAIL
AVAILABLE WITH TRIPLE GLAZING

DETAILS

Title: THERM+ H-I 76/80
ALUMINUM WINDOW - ALUMICOR - DOUBLE GLAZING

DRAWING BY: M. LAVOIE
UPDATE: J.PAUL-HUS  Date: 2020-01-06

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NOTE:
WOOD: AVAILABLE IN THE SAME SPECIES AS IC² Technologies TIMBER CURTAIN WALLS.
GLASS: AVAILABLE WITH DOUBLE GLAZING.
ALUMINUM: COLOR PER SPECS

WOOD WINDOW WITH ALUMINUM CLADDING
BY LEMBERC
OPENING TYPE: TILT AND INTERIOR HOPPER WINDOW

SECTION DETAIL

DETAILS

Title: THERM+ H-I 76/80
WOOD WINDOW - LEMBERC - TRIPLE GLAZING

DRAWING BY: M. LAVOIE
UPDATE: 2020-01-06
Nom: J.PAUL-HUS

Page: 6.3.1

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NOTE:
WOOD: AVAILABLE IN THE SAME SPECIES AS IC² Technologies
TIMBER CURTAIN WALLS.
GLASS: AVAILABLE WITH DOUBLE GLAZING
ALUMINUM: COLOR PER SPECS

WOOD WINDOW WITH ALUMINUM CLADDING BY LEMBERC
OPENING TYPE: TILT AND INTERIOR HOPPER WINDOW

PLATE DETAIL
AVAILABLE WITH TRIPLE GLASS

DETAILS
Title: THERM+ H-I 76/80
WOOD WINDOW - LEMBERC - TRIPLE GLAZING

DRAWING BY: M. LAVOIE
UPDATE: J.PAUL-HUS  Date: 2020-01-06

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DETAIL OF JUNCTION WITH MASONRY & STUDS

13 [1/2']

MINIMUM SPACE REQUIRED

SEALANT & BACKER ROD, BY OTHERS

NOTE:
IC² TECHNOLOGIES RECOMMENDS TO USE ROCK WOOL INSULATION AS ROXUL AT THE PERIMETER OF CURTAIN WALL OPENINGS TO ALLOW ANY WATER VAPOR TO EVACUATE THE OUTSIDE. USE OF LOW EXPANSION URETHANE FOAM IS NOT RECOMMENDED.

ENSURE THAT GLASS IS ALIGNED WITH THE ADJACENT INSULATION OF THE BUILDING TO AVOID THE RISK OF CONDENSATION IN THE EDGE OF GLAZING

SELF-ADHESIVE VAPOUR PERMEABLE AND AIR BARRIER MEMBRANE
SOPRASEAL STICK VP - SOPREMA
BY IC² Technologies inc.
**NOTE:**
IC² TECHNOLOGIES RECOMMENDS TO USE ROCK WOOL INSULATION AS ROXUL AT THE PERIMETER OF CURTAIN WALL OPENINGS TO ALLOW ANY WATER VAPOR TO EVACUATE THE OUTSIDE. USE OF LOW EXPANSION URETHANE FOAM IS NOT RECOMMENDED.

ENSURE THAT GLASS IS ALIGNED WITH THE ADJACENT INSULATION OF THE BUILDING TO AVOID THE RISK OF CONDENSATION IN THE EDGE OF GLAZING.

SELF-ADHESIVE VAPOUR PERMEABLE AND AIR BARRIER MEMBRANE 
SOPRASEAL STICK VP - SOPREMA 
BY IC² Technologies inc.

SEALANT & BACKER ROD, BY OTHERS

ROOK WOOL INSULATION AS ROXUL BY OTHERS

METAL FLASHING BY OTHERS

SEALANT BY OTHERS

MINIMUM SPACE REQUIRED

13 [1/2']
MINIMUM SPACE REQUIRED FOR INSULATION WHEN THE GLASS IS NOT ALIGNED WITH AN INSULATION TO PREVENT THE RISK OF CONDENSATION IN EDGE OF GLAZING.

NOTE:
IC² TECHNOLOGIES RECOMMENDS TO USE ROCK WOOL INSULATION AS ROXUL AT THE PERIMETER OF CURTAIN WALL OPENINGS TO ALLOW ANY WATER VAPOR TO EVACUATE THE OUTSIDE. USE OF LOW EXPANSION URETHANE FOAM IS NOT RECOMMENDED.

SELF-ADHESIVE VAPOUR PERMEABLE AND AIR BARRIER MEMBRANE SOPRASEAL STICK VP - SOPREMA BY IC² Technologies inc.

SEALANT AND BACKER ROD, BY OTHERS

ROCK WOOL INSULATION AS ROXUL, BY OTHERS

MINIMUM SPACE REQUIRED

13 [1/2']

51 [2']

SEALANT, BY OTHERS

DETAIL OF JUNCTION MULLION & CONCRETE WALL

DETAILS

Title: THERM+ H-I - APPLICATIONS
JUNCTION WITH CONCRETE WALL

DRAWING BY: M. LAVOIE
UPDATE: J.PAUL-HUS Date: 2020-01-06

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3 CONDITIONS TO BE FOLLOWED:
1. THE GLASS (FACE 1 INCLUDED) MUST BE COMPLETELY ALIGNED WITH THE ADJACENT INSULATION OF THE BUILDING;
2. CONNECTOR MUST NOT EXCEED THE FRONT FACE OF THE WOOD MULLION;
3. MINIMUM OF 2" THICK INSULATION IN FRONT OF THE CONNECTORS.

FACE OF WOOD SECTIONS / LIMITED POSITIONNING FOR CONNECTORS
ENSURE THAT GLASS IS COMPLETELY AlIGNED WITH THE ADJACENT INSULATION OF THE BUILDING TO AVOID THE RISK OF CONDENSATION IN THE EDGE OF GLAZING
ROCK WOOL INSULATION AS ROXUL BY OTHERS
METAL FLASHING BY OTHERS
SELF-ADHESIVE AIR/VAPOUR BARRIER MEMBRANE SOPRASEAL STICK 1100T - SOPREMA BY IC Technologies inc.
RIGID SHIMS BETWEEN CONCRETE AND CONNECTORS
CONNECTOR BY IC2 TECHNOLOGIES & TO BE APPROVED BY ENGINEER
NECESSARY CONTINUOUS INSERTION (DIMENSIONS VARIES) IN THE CONCRETE WALL TO AVOID THE FACE OF ANCHOR EXCEEDING THE MULLION FACE.
PROVIDE MINIMUM 2" INSULATION OVER THE CONNECTOR

DETAIL OF CONCRETE WALL WITH CONNECTOR INSERTION
DETAIL OF CONCRETE WALL WITHOUT CONNECTOR INSERTION & 3" THICK EXTERIOR INSULATION.

3 CONDITIONS TO BE FOLLOWED:
1. THE GLASS (FACE 1 INCLUDED) MUST BE COMPLETELY ALIGNED WITH THE ADJACENT INSULATION OF THE BUILDING;
2. CONNECTOR MUST NOT EXCEED THE FRONT FACE OF THE WOOD MULLION;
3. MINIMUM OF 2" THICK INSULATION IN FRONT OF THE CONNECTORS;
3 CONDITIONS TO BE FOLLOWED:
1. THE GLASS (FACE 1 INCLUDED) MUST BE COMPLETELY ALIGNED WITH THE ADJACENT INSULATION OF THE BUILDING;
2. CONNECTOR MUST NOT EXCEED THE FRONT FACE OF THE WOOD MULLION;
3. MINIMUM OF 2” THICK INSULATION IN FRONT OF THE CONNECTORS;

DETAIL OF CONCRETE WALL WITHOUT CONNECTOR INSERTION & 2” THICK EXTERIOR INSULATION
3 CONDITIONS TO BE FOLLOWED:
1. THE GLASS (FACE 1 INCLUDED) MUST BE COMPLETELY ALIGNED WITH THE ADJACENT INSULATION OF THE BUILDING;
2. CONNECTOR MUST NOT EXCEED THE FRONT FACE OF THE WOOD MULLION;
3. MINIMUM OF 2" THICK INSULATION IN FRONT OF THE CONNECTORS;

DETAIL OF CONCRETE CURTAIN WALL WITH INTERIOR INSULATION ONLY
MINIMUM SPACE OF DEFLECTION REQUIRED ± 25 ["] ACCORDING TO PROJECT AND FINAL THICKNESS OF CONNECTORS

SEALANT & BACKER ROD, BY OTHERS

CONNECTOR BY IC2 TECHNOLOGIES & TO BE APPROVED BY ENGINEER

SELF-ADHESIVE VAPOUR PERMEABLE AND AIR BARRIER MEMBRANE SOPRASEAL STICK VP - SOPREMA BY IC² Technologies inc.

METAL FLASHING BY OTHERS

ROCK WOOL INSULATION AS ROXUL BY OTHERS

ENSURE THAT GLASS IS COMPLETELY ALIGNED WITH THE ADJACENT INSULATION OF THE BUILDING TO AVOID THE RISK OF CONDENSATION IN THE EDGE OF GLAZING

WOOD STRUCTURE DETAIL & CURTAIN WALL
CONNECTOR BY IC2 TECHNOLOGIES & TO BE APPROVED BY ENGINEER
SELF-ADHESIVE VAPOUR PERMEABLE AND AIR BARRIER MEMBRANE SOPRASEAL STICK VP - SOPREMA BY IC² Technologies inc.

MINIMUM SPACE OF DEFLECTION REQUIRED ± 25 [1"] ACCORDING TO PROJECT AND FINAL THICKNESS OF CONNECTORS

METAL FLASING BY OTHERS
ROCK WOOL INSULATION AS ROXUL BY OTHERS

ENSURE THAT GLASS IS COMPLETELY ALIGNED WITH THE ADJACENT INSULATION OF THE BUILDING TO AVOID THE RISK OF CONDENSATION IN THE EDGE OF GLAZING

STEEL STRUCTURE DETAIL & CURTAIN WALL
FOLDED METAL SHEET, BY IC² Technologies, COLOR PER SPECS

SELF-ADHESIVE VAPOUR PERMEABLE AND AIR BARRIER MEMBRANE
SOPRASEAL STICK VP - SOPREMA BY IC² Technologies inc.

SELF-ADHESIVE AIR/VAPOUR BARRIER MEMBRANE SOPRASEAL
STICK 1100T - SOPREMA BY IC² Technologies inc.

CONNECTOR TYPE, BY IC² Technologies, TO BE APPROVED
BY ENGINEER

WOOD MOLDING
DETAIL 1 - MIDDLE TRANSOM

- Self-adhesive air barrier membrane
- Sopraseal stick VP - Soprema by IC² Technologies inc.
- 1.6mm thick aluminum sheet
- RAICO sealant
- 3.2mm thick aluminum sheet with extruded polystyrene insulation, to be painted, by IC² Technologies inc.

DETAIL 2 - ROOF RAFTERS

- Raico sealant
- Details vary (according with engineer)

DETAIL 3 - BEAM

- Raico sealant
- Details vary (according with engineer)
EAVES SECTION DETAIL

- SELF-ADHESIVE AIR BARRIER MEMBRANE SOPRASEAL STICK VP - SOPREMA BY IC² Technologies inc.
- 3.2mm THICK ALUMINUM SHEET WITH EXTRUDED POLYSTYRENE INSULATION, TO BE PAINTED, BY IC² Technologies inc.
- 1.6mm THICK ALUMINUM SHEET
- RAICO SEALANT

Details

Title: THERM+ H-I - APPLICATIONS
EAVE SECTION DETAIL

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CORNER DETAIL TYPE

MULLION TYPE

VARIES

(ACCORDING WITH ENGINEER)

SELF-ADHESIVE AIR BARRIER MEMBRANE SOPRASEAL STICK VP - SOPREMA BY IC² Technologies inc.

3.2mm THICK ALUMINUM SHEET WITH EXTRUDED POLYSTYRENE INSULATION, TO BE PAINTED, BY IC² Technologies inc.

RAICO SEALANT

RAICO SEALANT

VARIES

(ACCORDING WITH ENGINEER)
CONVENTIONAL METHOD:
(INSIDE VIEW)

DIAGRAM 1: CONVENTIONAL TRANSOM INSERTION FROM THE INSIDE OF THE BUILDING TO THE OUTSIDE, WITH INVISIBLE MACHINING.


SPECIAL METHOD:
(INSIDE VIEW)

DIAGRAM 2: TRANSOM INSERTION FROM THE OUTSIDE OF THE BUILDING TO THE INSIDE, WITH VISIBLE MACHINING.

WOOD BLOCKING TO HIDE THE CONNECTORS FIXED WITH GLUE AND FINISH NAILS.