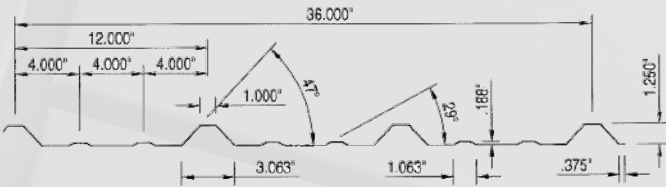
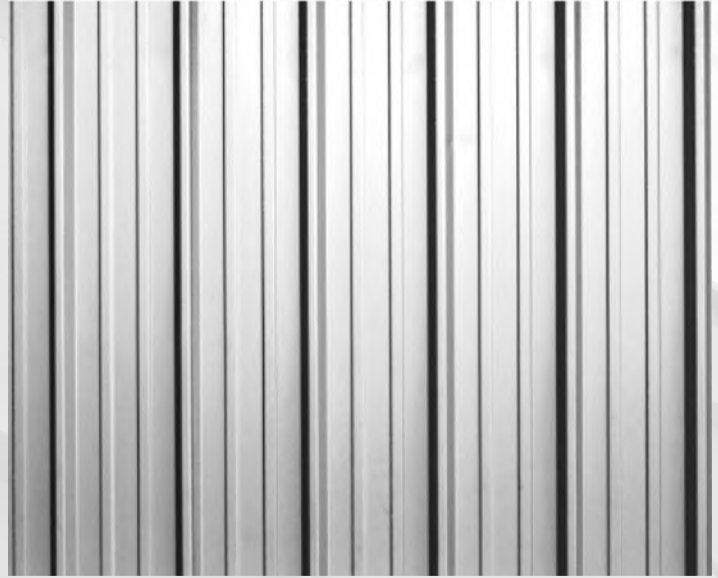


EP FABTECH R-PANEL



R- Panels are designed for residential or commercial construction. Whether covering a roof, wall or used as a privacy barrier, this panel is as durable as it is aesthetically pleasing.

Material

24 Gauge Steel

Specifications

Coverage: 36"

Finishes: Kynar 500® / Galvalume

ASTM Tests

ASTM D 968	ASTM D 2247
ASTM D 4587	ASTM D 1735
ASTM D 3361	ASTM D 2794
ASTM D 3359	ASTM B 117
ASTM D 659	ASTM E84
ASTM D 1308	ASTM G 154
ASTM D 5894	
ASTM D 522	
ASTM D 523	
ASTM D 3363	

R Panel Benefits

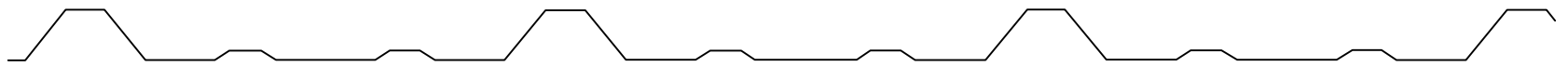
Hail Resistant – Underwriters Laboratories Class-4 Rating
Fire Resistant
Wind Resistance
Energy Efficient
Greater Life Expectancy
Outstanding Durability
Up to a 30-Year Limited Paint Warranty

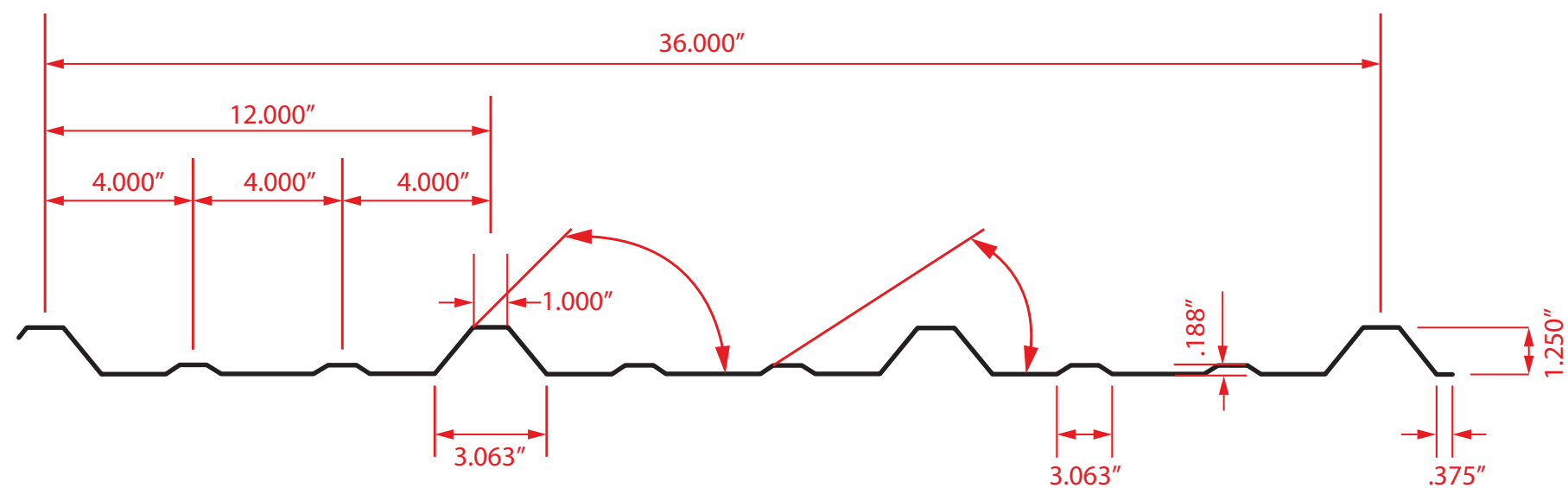
Application

EP Fabtech R Panels may be installed in a non-sequential pattern over a solid substrate or open framing
Application of a manufacture approved underlayment prior to panel installation over a solid substrate is recommended

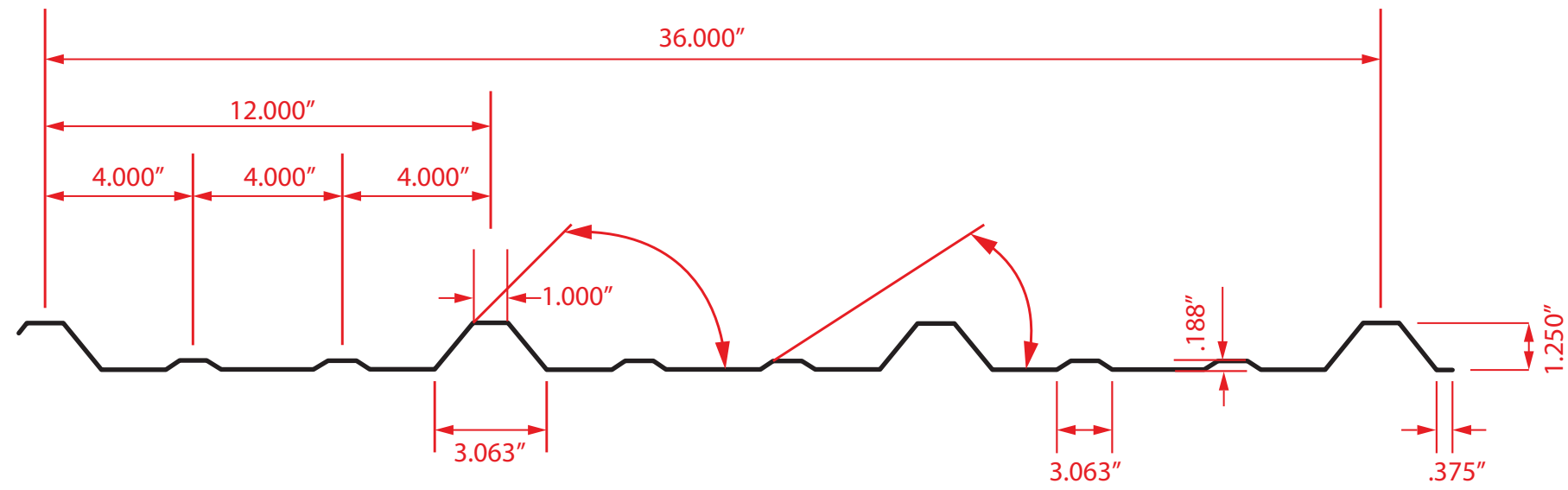
Notes:

1. Special colors and finishes available. Consult EP Fabtech Metals MFG for pricing, lead time and specifications.
2. Galvalume® is a registered trademark of BIEC International Inc.
3. Kynar 500® is a registered trademark of Arkema, Inc.

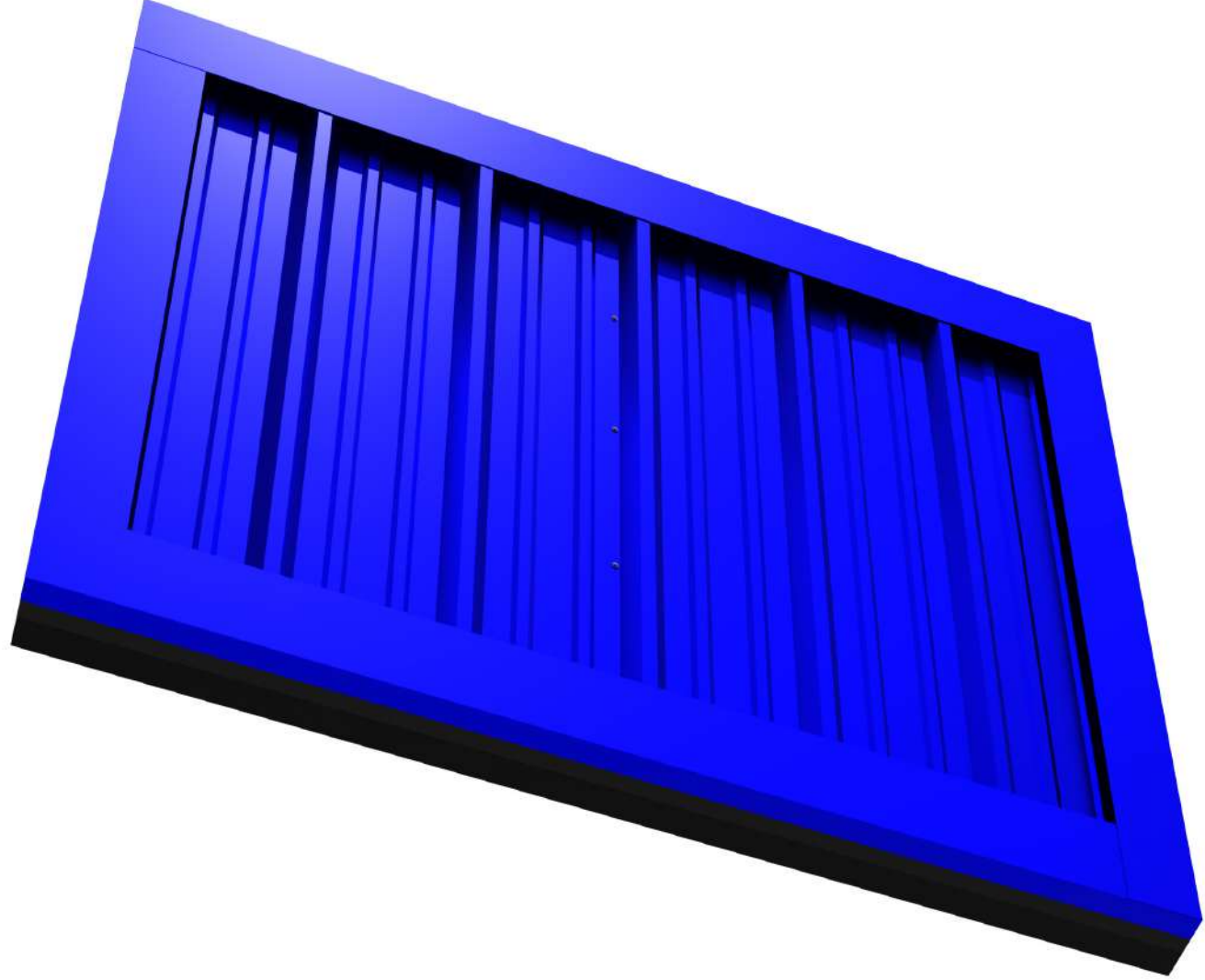




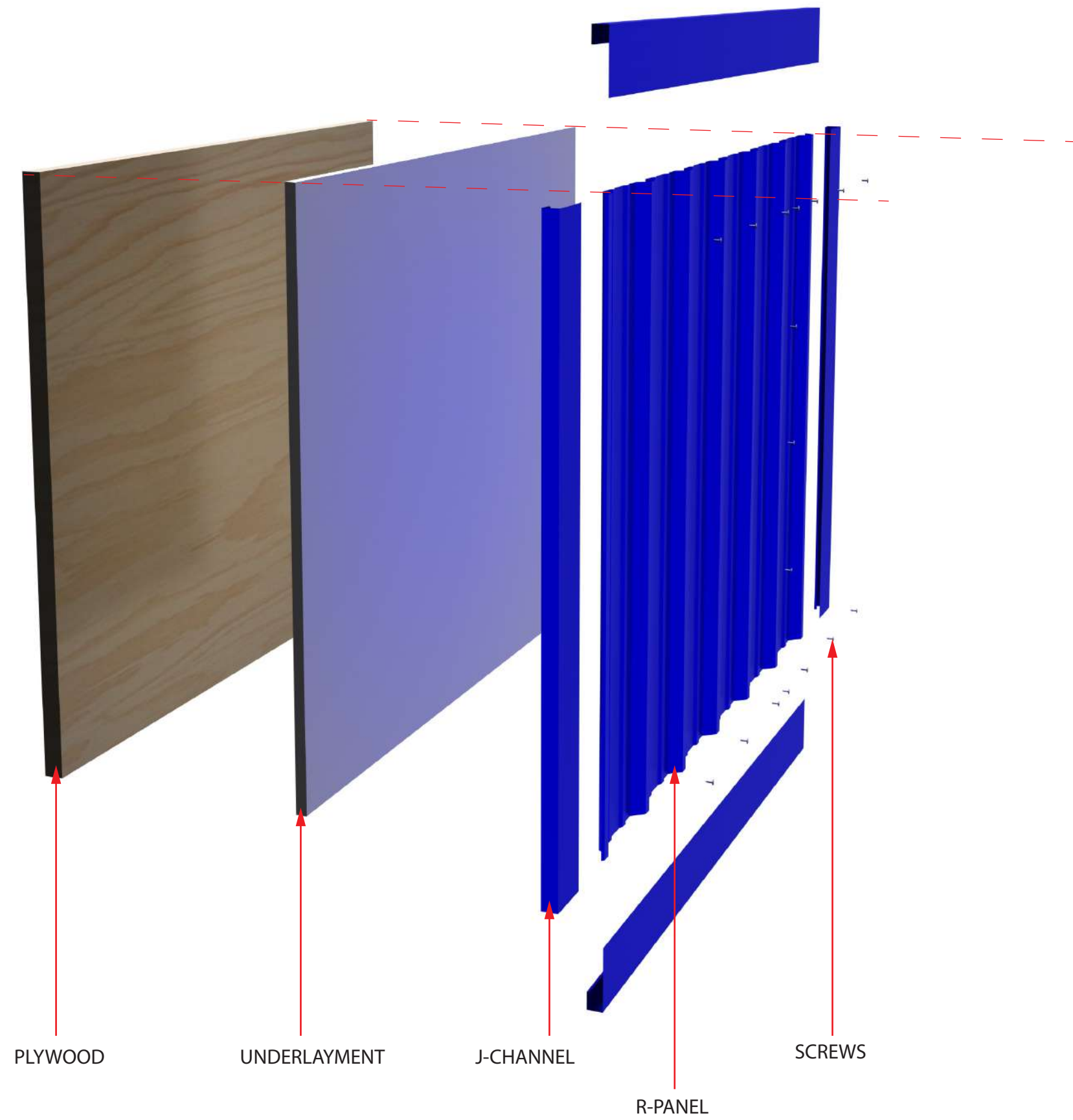
R - PANEL

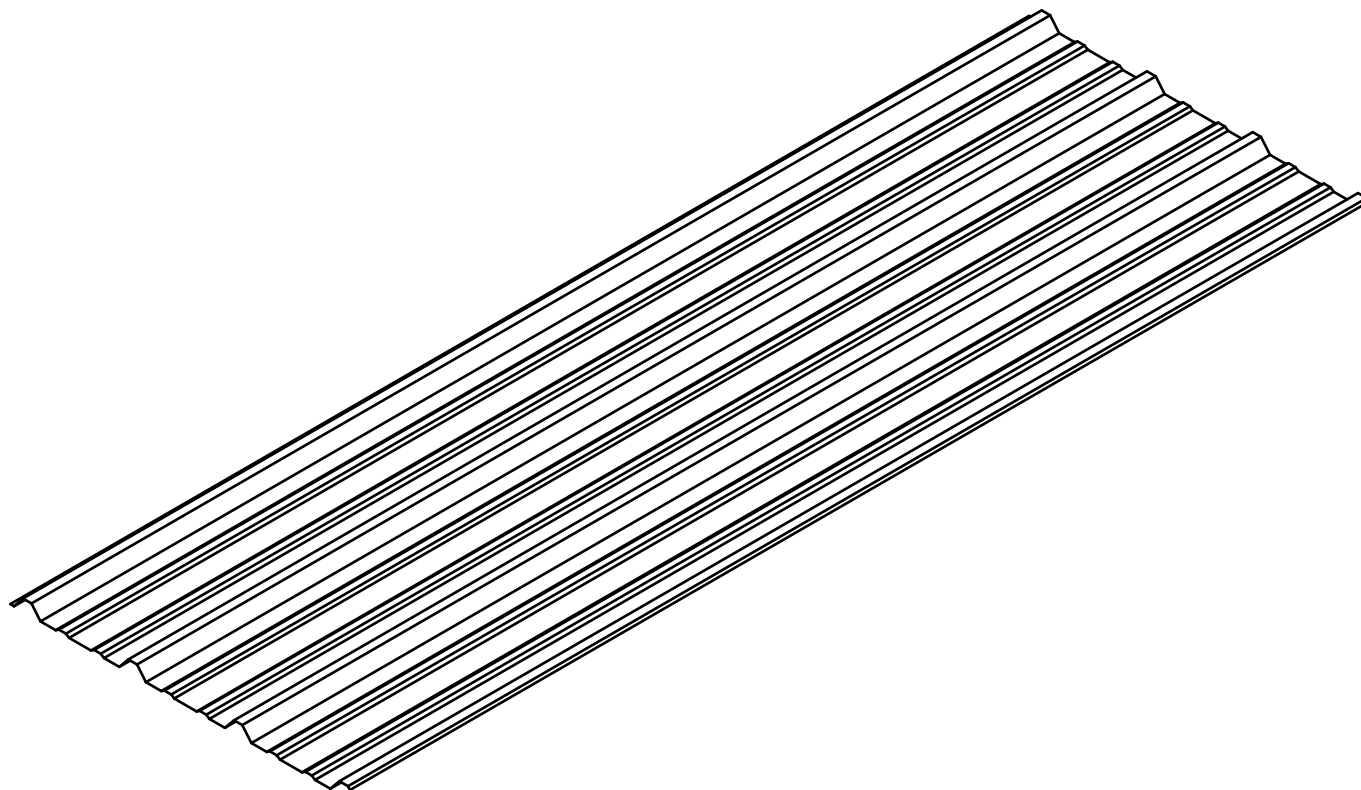


R - PANEL



R-PANEL





Shop Drawings

2020

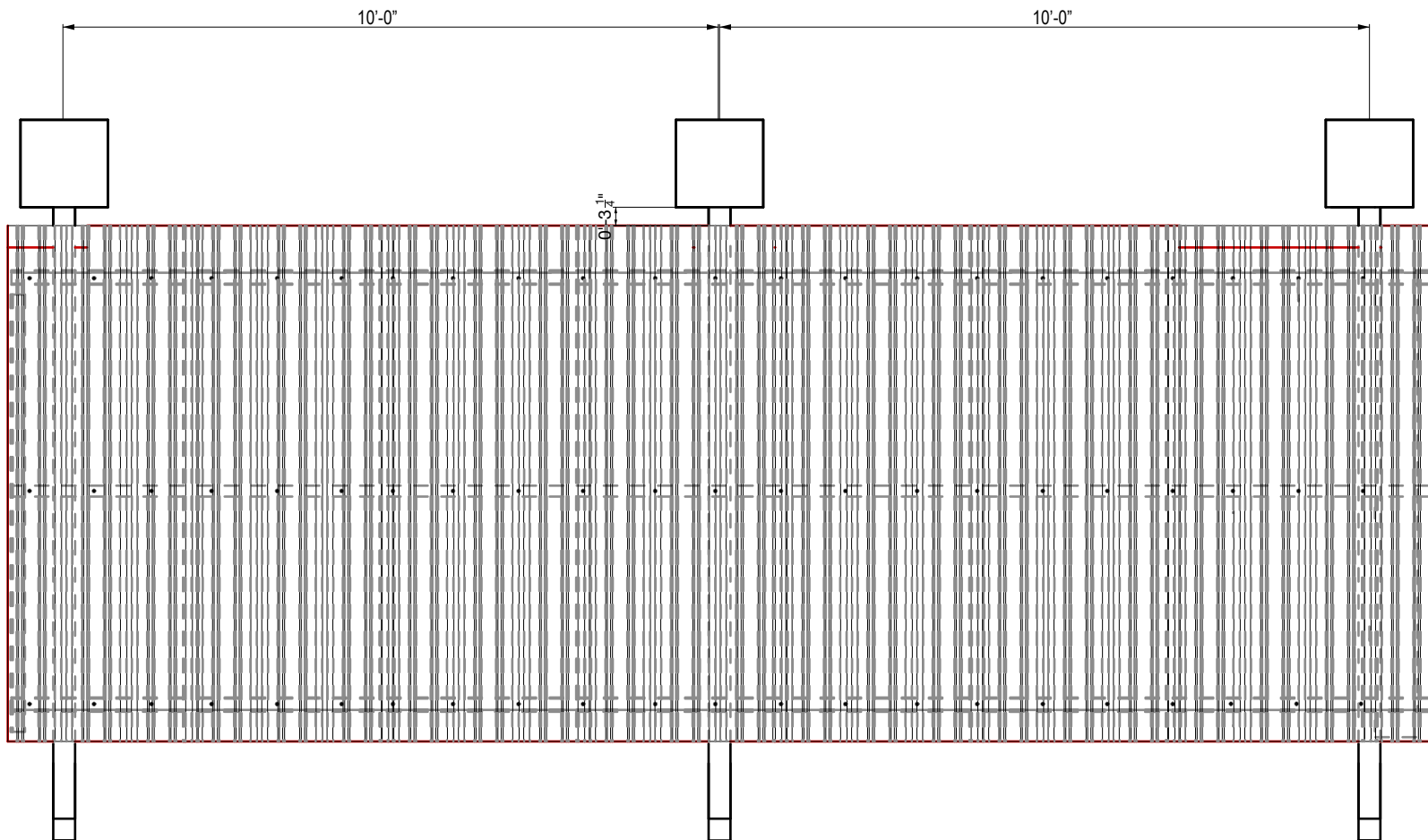
R-PANEL

NOT DRAWN TO SCALE

N.T.S.



EP FABTECH
METALS MFG.



NOTES:

1. DASHED LINES REPRESENT STEEL TUBES.
2. BLACK DOTS REPRESENTS FASTENER PLACEMENT.
3. R-PANEL OVER HANG 3 INCHES.

Shop Drawings

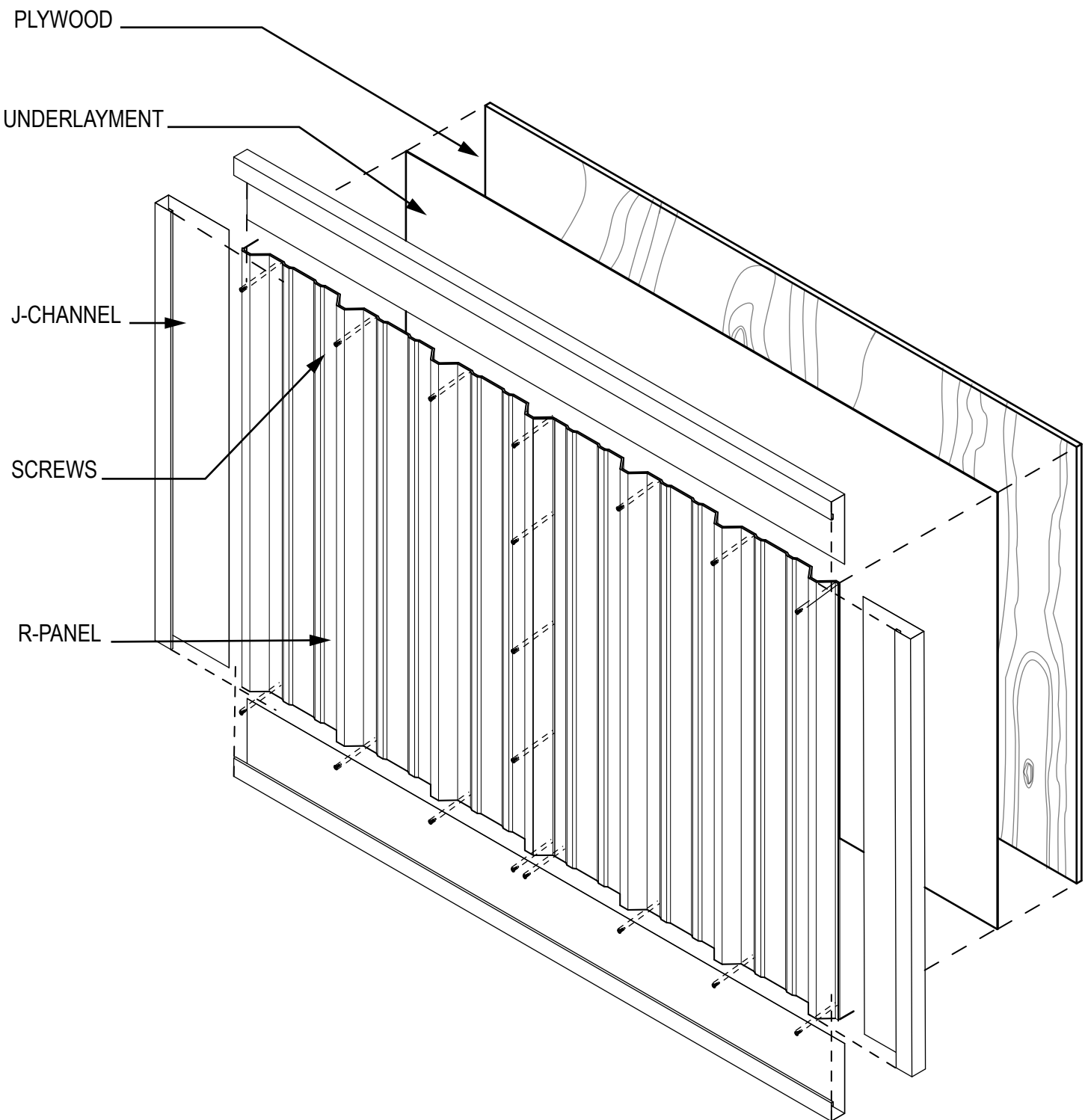
2020

R-PANEL CANOPY LAYOUT

NOT DRAWN TO SCALE

N.T.S.





NOTES:

1. J-CHANNEL CAN BE MANUFACTURED IN VARIETY OF SIZES.
2. R-PANELS OVERLAP ONE ANOTHER TO CONCEAL SCREWS.
3. J-CHANNELS ARE CUT AT 45 DEGREE ANGLE TO HAVE A 90 DEGREE EDGE.

Shop Drawings

2020

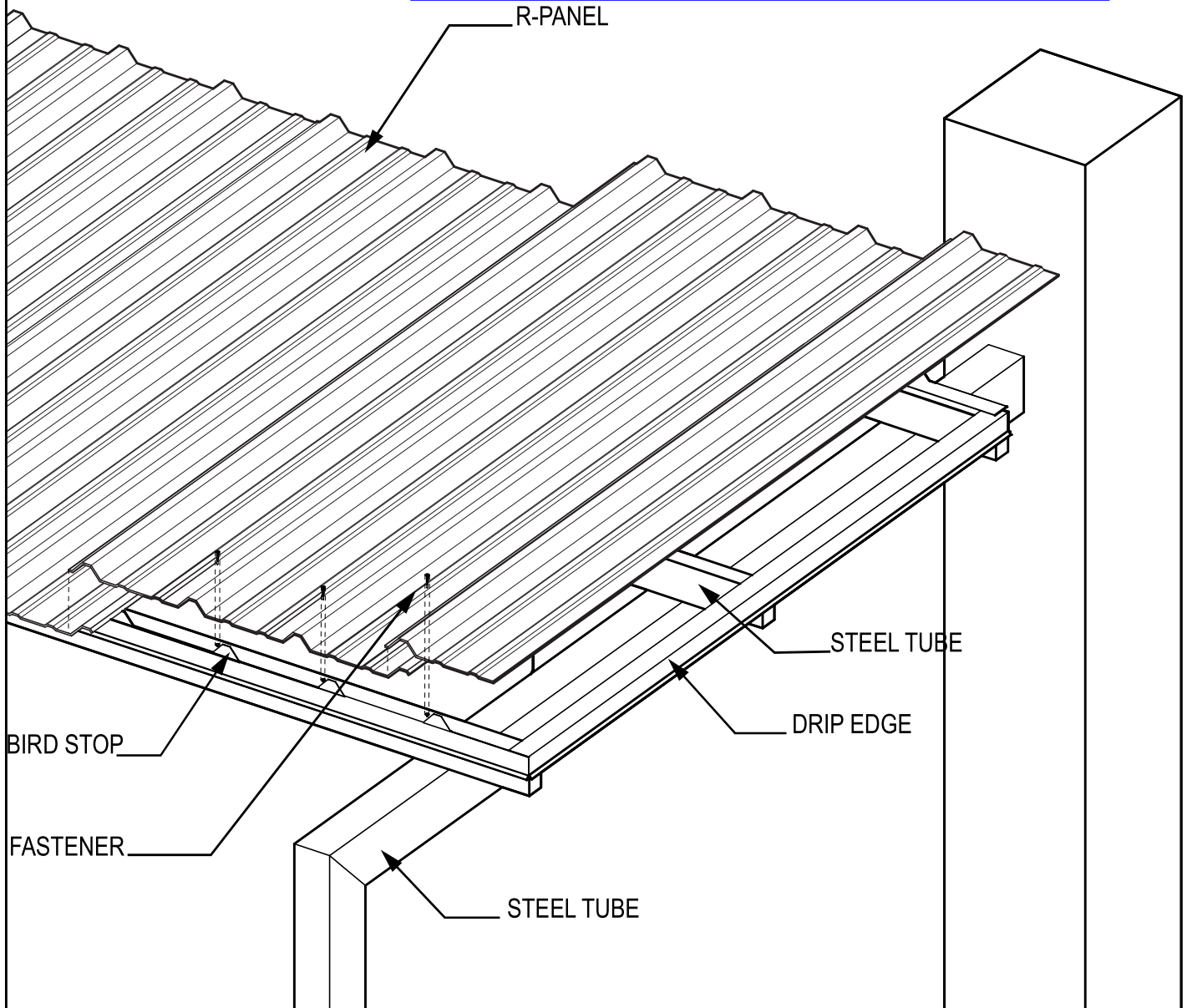
**R-PANEL
INSTALLATION DETAIL**

NOT DRAWN TO SCALE

N.T.S.



1. Contractor to field verify dimensions of canopies, profile and layout, current layout submitted is incorrect.
2. Install miscellaneous supports as per spec section 07413.13, item 3.2.
3. provide a fascia and eave trim as required, field verify profile.



NOTES:

1. DASHED LINES REPRESENT CONNECTION PATHS.
2. BIRD STOP IS ALIGNED TO THE DRIP EDGE AND FOLLOWS PANEL GROOVES.
3. R-PANEL HAS A 3 INCH OVER HANGE.

Shop Drawings

2020

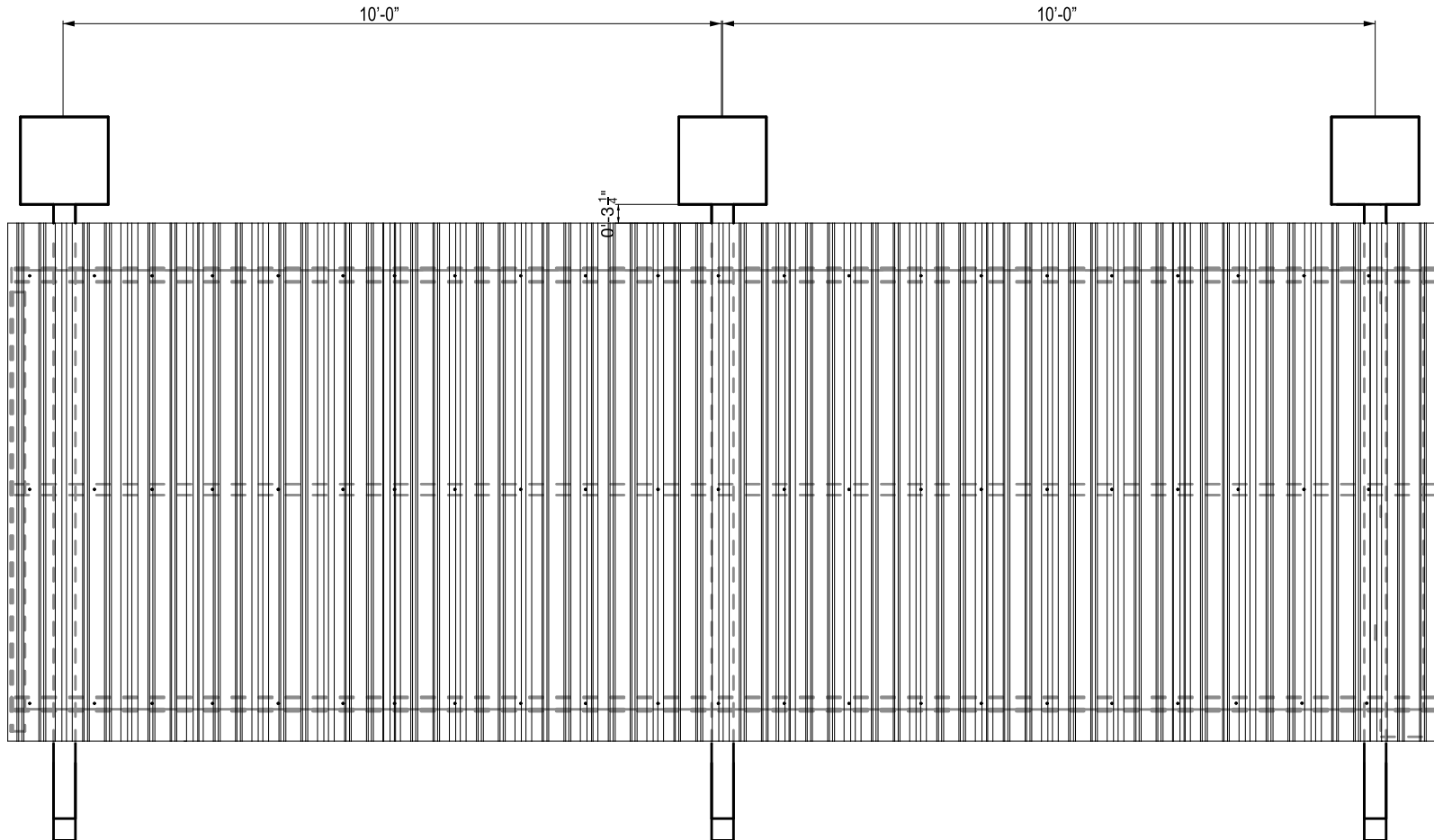
R-PANEL CANOPY INSTALLATION

NOT DRAWN TO SCALE

N.T.S.



1. Contractor to field verify dimensions of canopies, profile and layout, current layout submitted is incorrect.
2. Install miscellaneous supports as per spec section 07413.13, item 3.2.
3. provide a fascia and eave trim as required, field verify profile.



NOTES:

1. DASHED LINES REPRESENT STEEL TUBES.
2. BLACK DOTS REPRESENTS FASTENER PLACEMENT.
3. R-PANEL OVER HANG 3 INCHES.

Coordinate over
hang with fascia
trim and gutter
system.

Shop Drawings

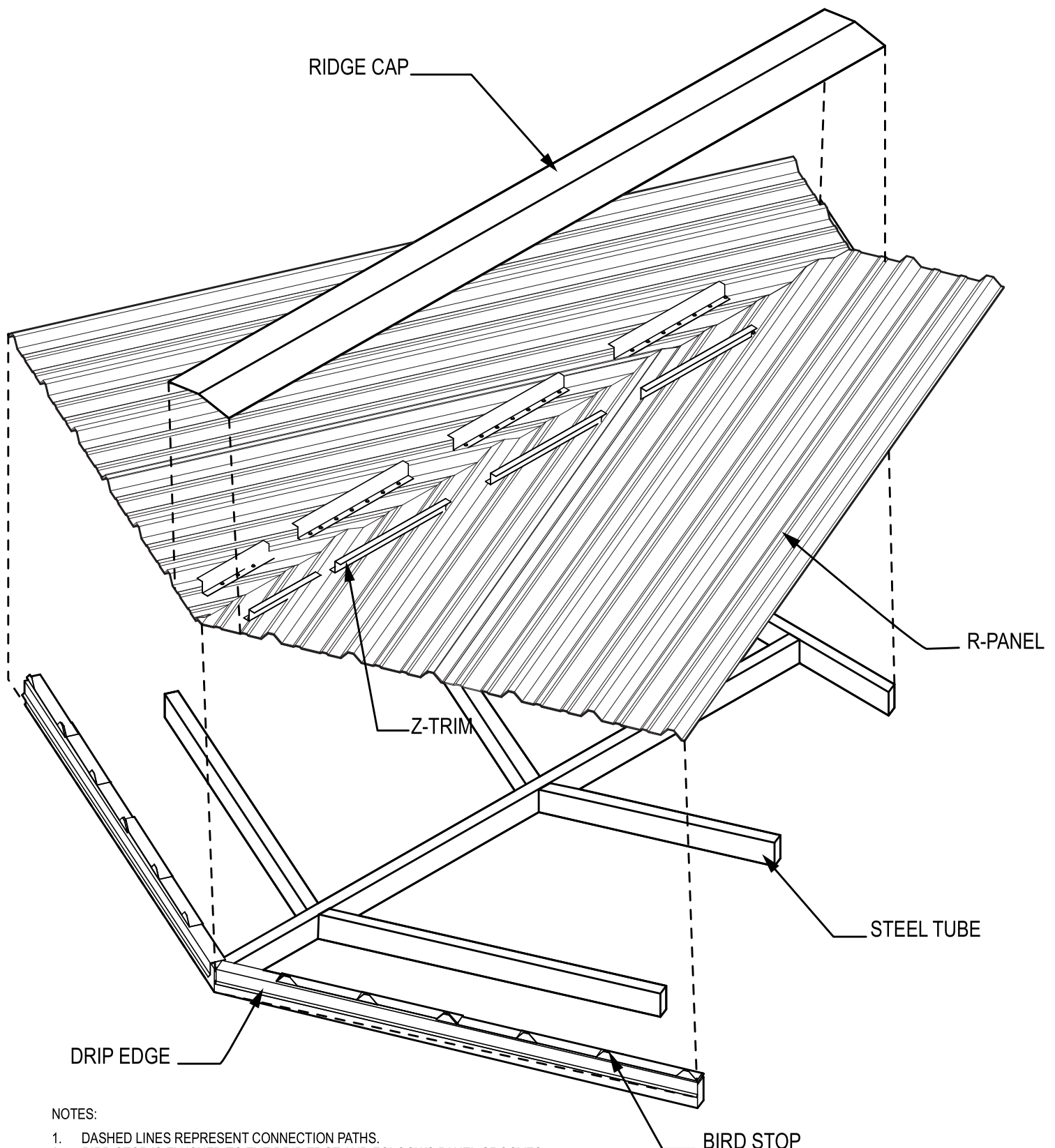
2020

R-PANEL CANOPY LAYOUT

NOT DRAWN TO SCALE

N.T.S.





NOTES:

1. DASHED LINES REPRESENT CONNECTION PATHS.
2. BIRD STOP IS FLUSHED TO THE DRIP EDGE AND FOLLOWS PANEL GROOVES.
3. R-PANEL HAS A 3 INCH OVER HANGE.
4. CAULKING IS ADDED TO PROTECT FROM MOISTER AND WATER PENETRATION.

Shop Drawings

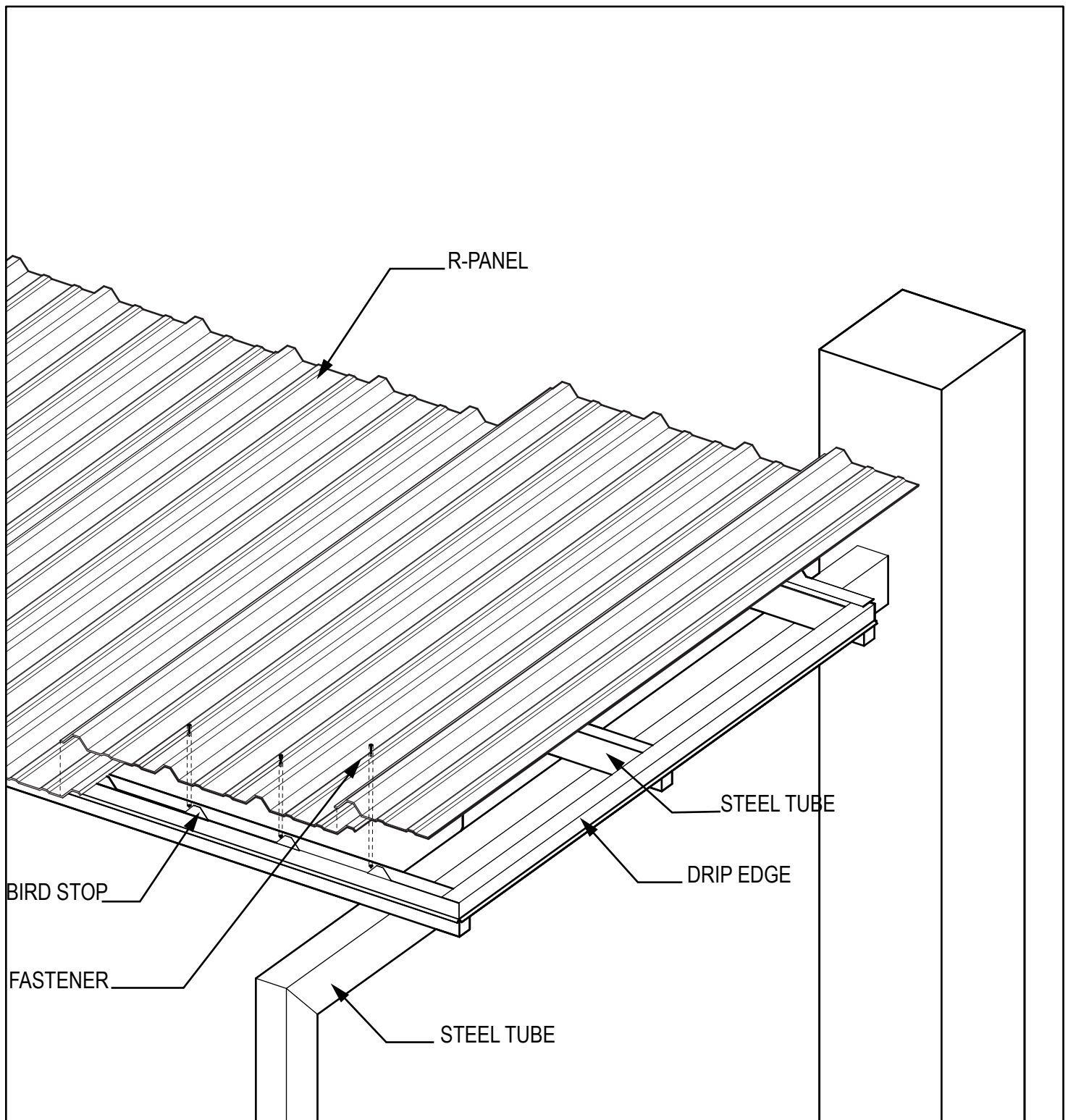
2020

R-PANEL CANOPY HIP CAP ROOF
TYPICAL INSTALLATION

NOT DRAWN TO SCALE

N.T.S.





NOTES:

1. DASHED LINES REPRESENT CONNECTION PATHS.
2. BIRD STOP IS FLUSHED TO THE DRIP EDGE AND FOLLOWS PANEL GROOVES.
3. R-PANEL HAS A 3 INCH OVER HANGE.

Shop Drawings

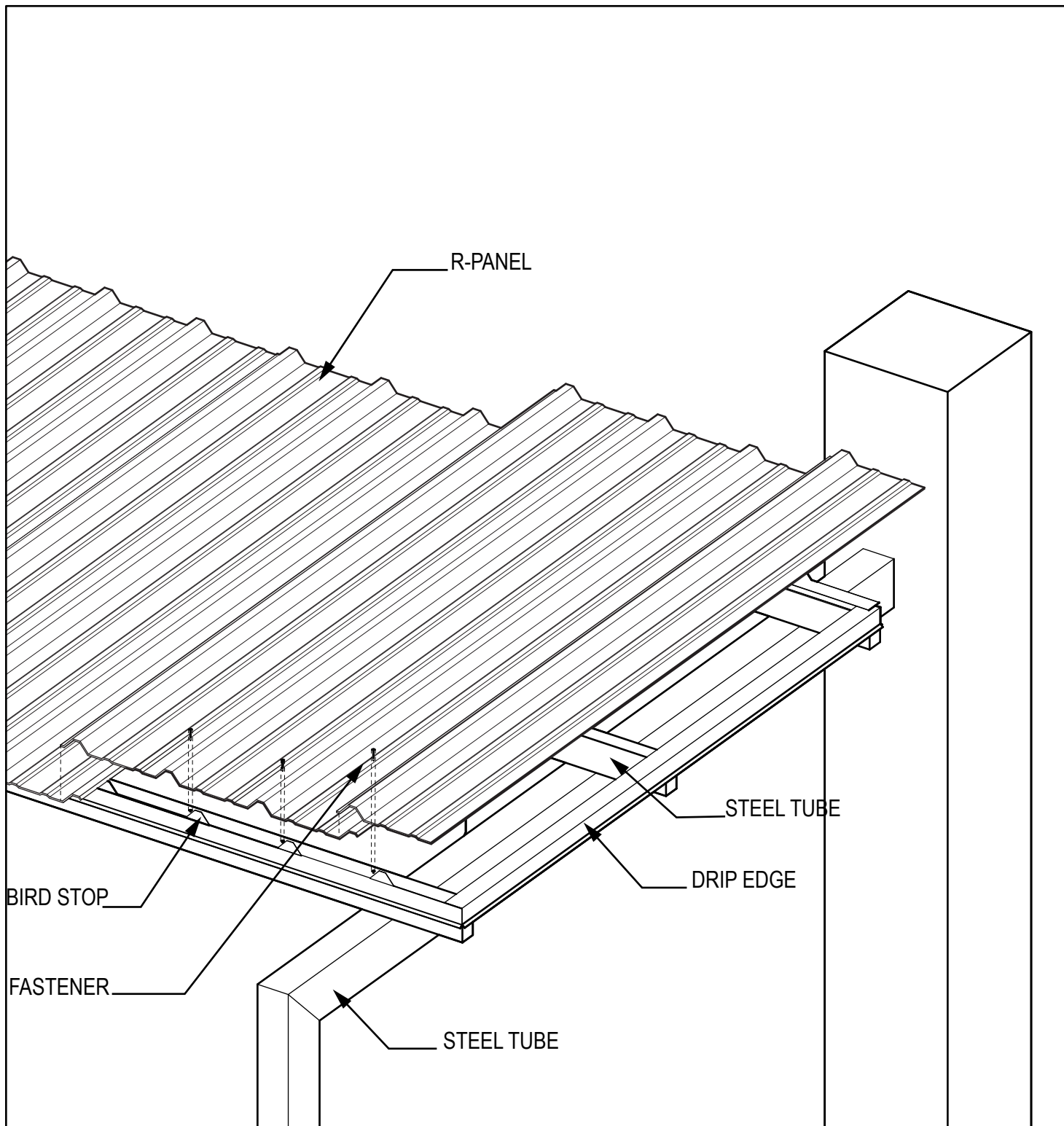
2020

R-PANEL CANOPY LAYOUT

NOT DRAWN TO SCALE

N.T.S.





NOTES:

1. DASHED LINES REPRESENT CONNECTION PATHS.
2. BIRD STOP IS ALIGNED TO THE DRIP EDGE AND FOLLOWS PANEL GROOVES.
3. R-PANEL HAS A 3 INCH OVER HANGE.

Shop Drawings

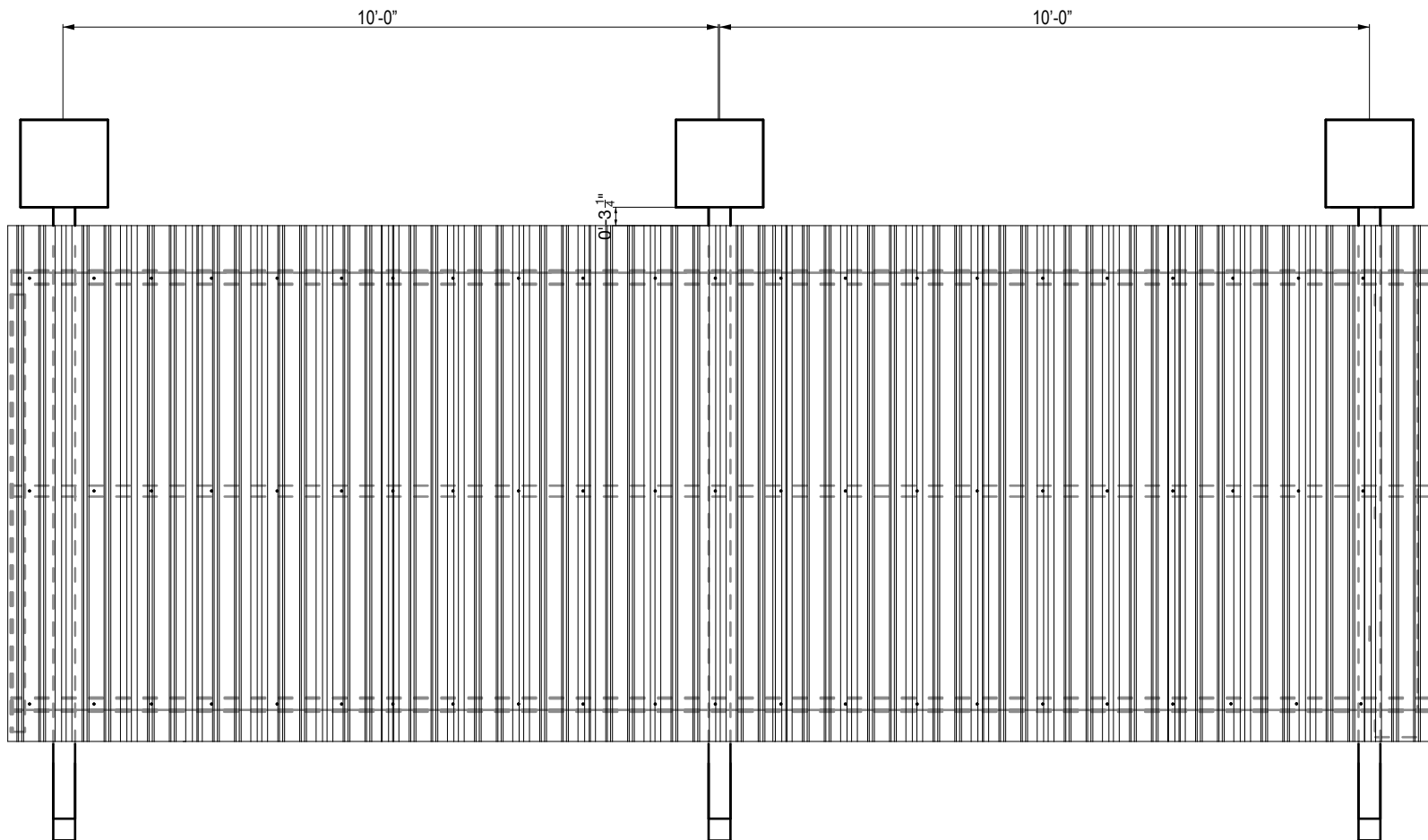
2020

R-PANEL CANOPY INSTALLATION

NOT DRAWN TO SCALE

N.T.S.





NOTES:

1. DASHED LINES REPRESENT STEEL TUBES.
2. BLACK DOTS REPRESENTS FASTENER PLACEMENT.
3. R-PANEL OVER HANG 3 INCHES.

Shop Drawings

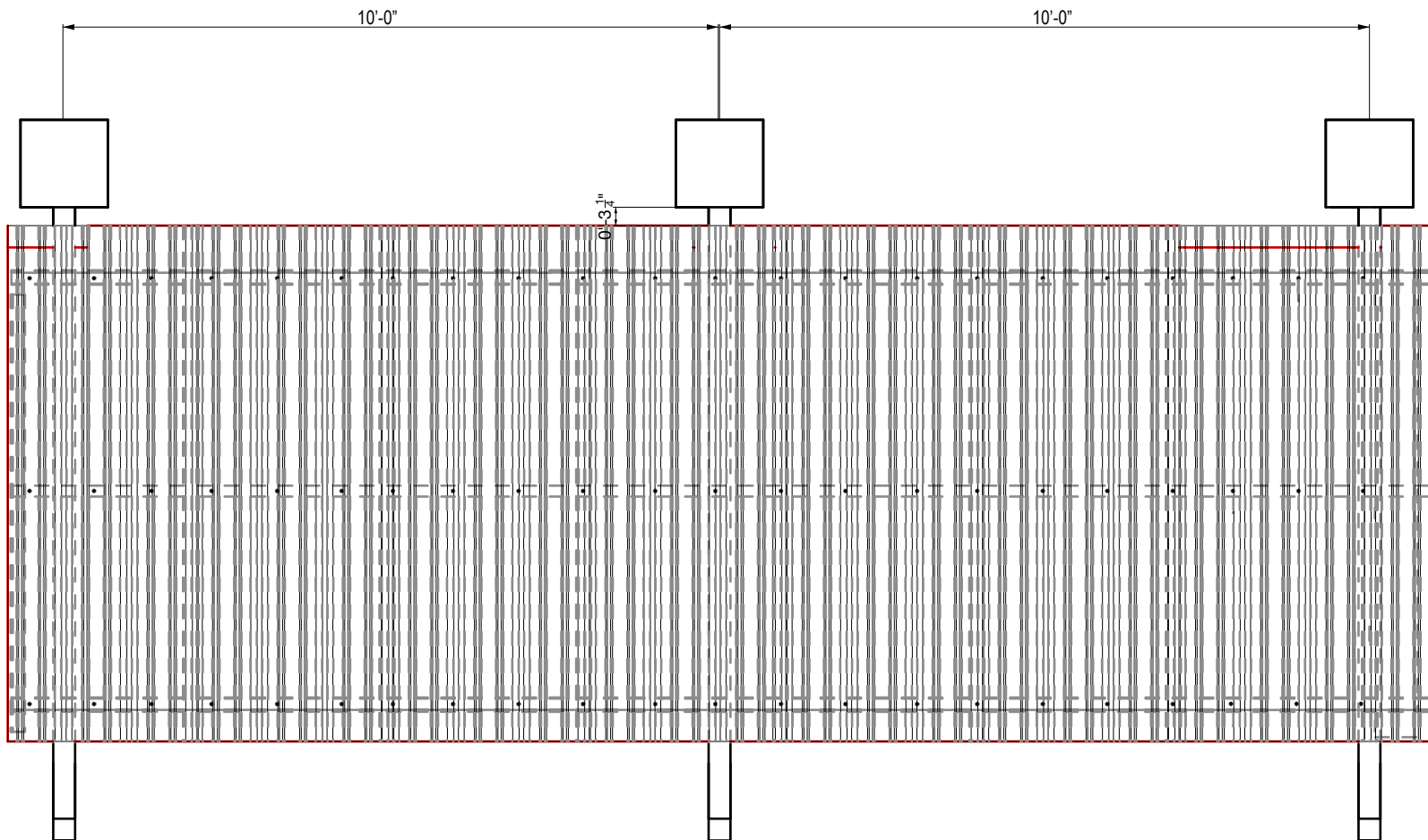
2020

R-PANEL CANOPY LAYOUT

NOT DRAWN TO SCALE

N.T.S.





NOTES:

1. DASHED LINES REPRESENT STEEL TUBES.
2. BLACK DOTS REPRESENTS FASTENER PLACEMENT.
3. R-PANEL OVER HANG 3 INCHES.

Shop Drawings

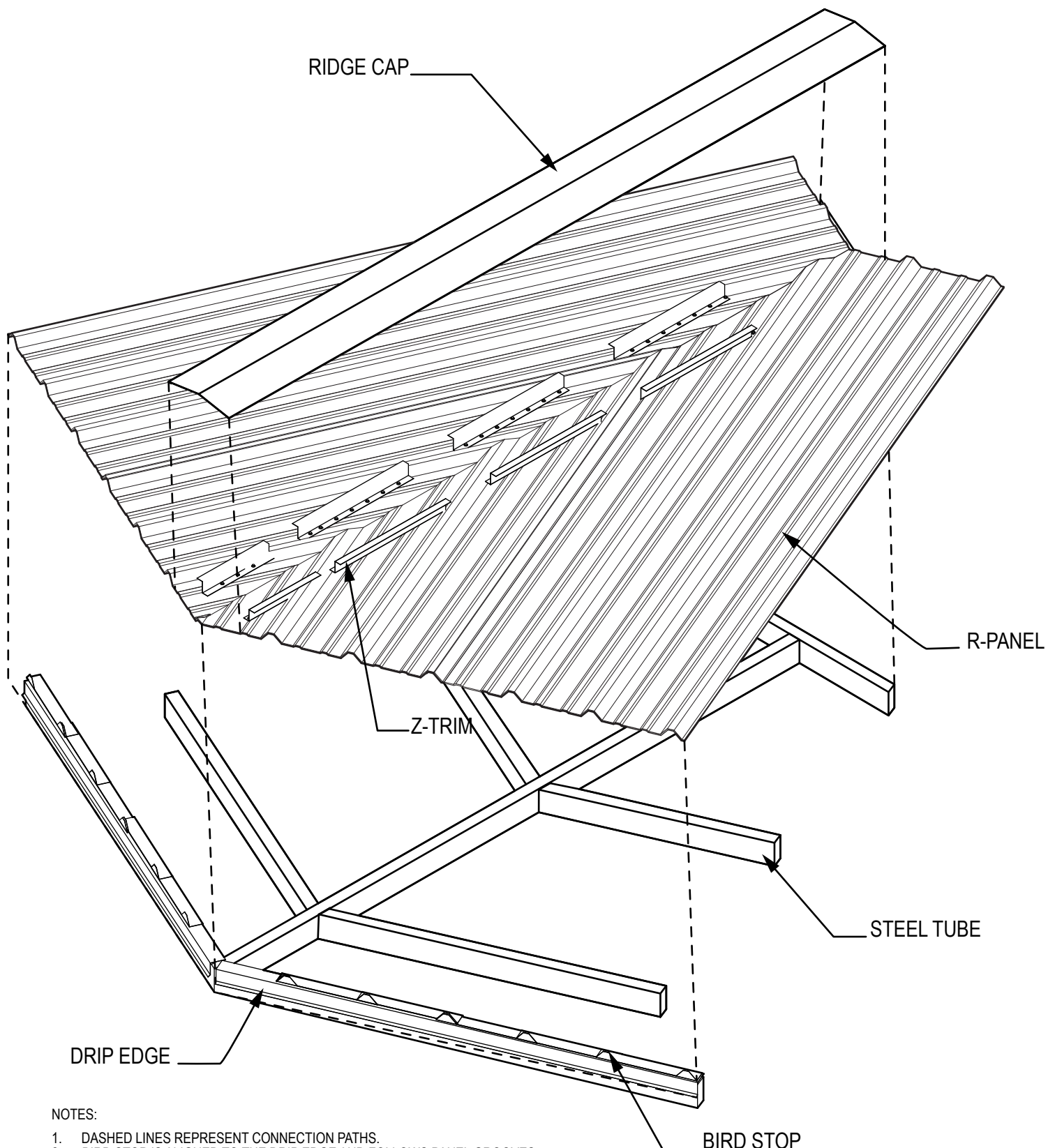
2020

R-PANEL CANOPY LAYOUT

NOT DRAWN TO SCALE

N.T.S.





NOTES:

1. DASHED LINES REPRESENT CONNECTION PATHS.
2. BIRD STOP IS ALIGNED TO THE DRIP EDGE AND FOLLOWS PANEL GROOVES.
3. R-PANEL HAS A 3 INCH OVER HANGE.
4. CAULKING IS ADDED TO PROTECT FROM MOISTER AND WATER PENETRATION.

Shop Drawings

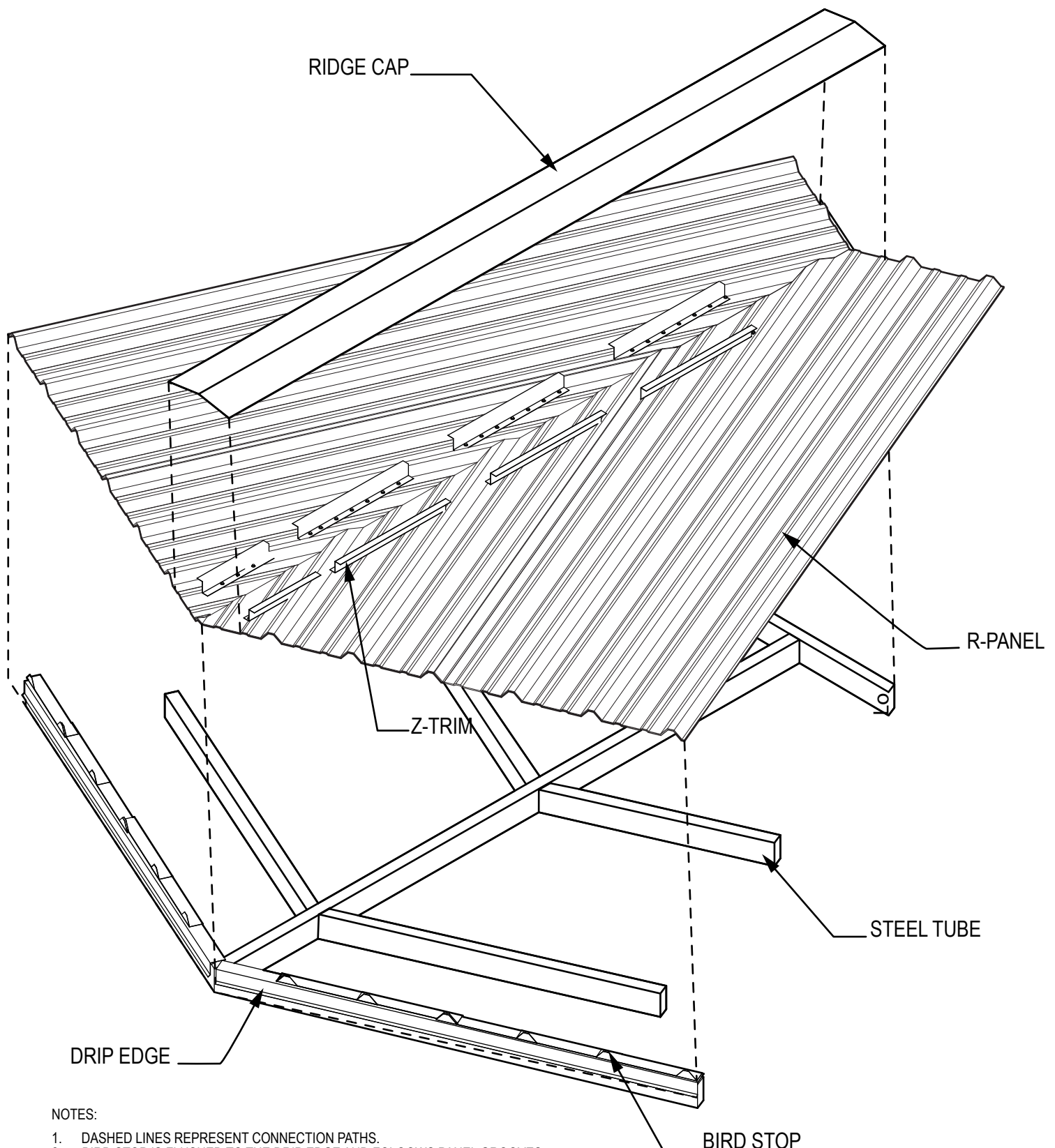
2020

**R-PANEL CANOPY HIP CAP ROOF
INSTALLATION**

NOT DRAWN TO SCALE

N.T.S.





NOTES:

1. DASHED LINES REPRESENT CONNECTION PATHS.
2. BIRD STOP IS FLUSHED TO THE DRIP EDGE AND FOLLOWS PANEL GROOVES.
3. R-PANEL HAS A 3 INCH OVER HANGE.
4. CAULKING IS ADDED TO PROTECT FROM MOISTER AND WATER PENETRATION.

Shop Drawings

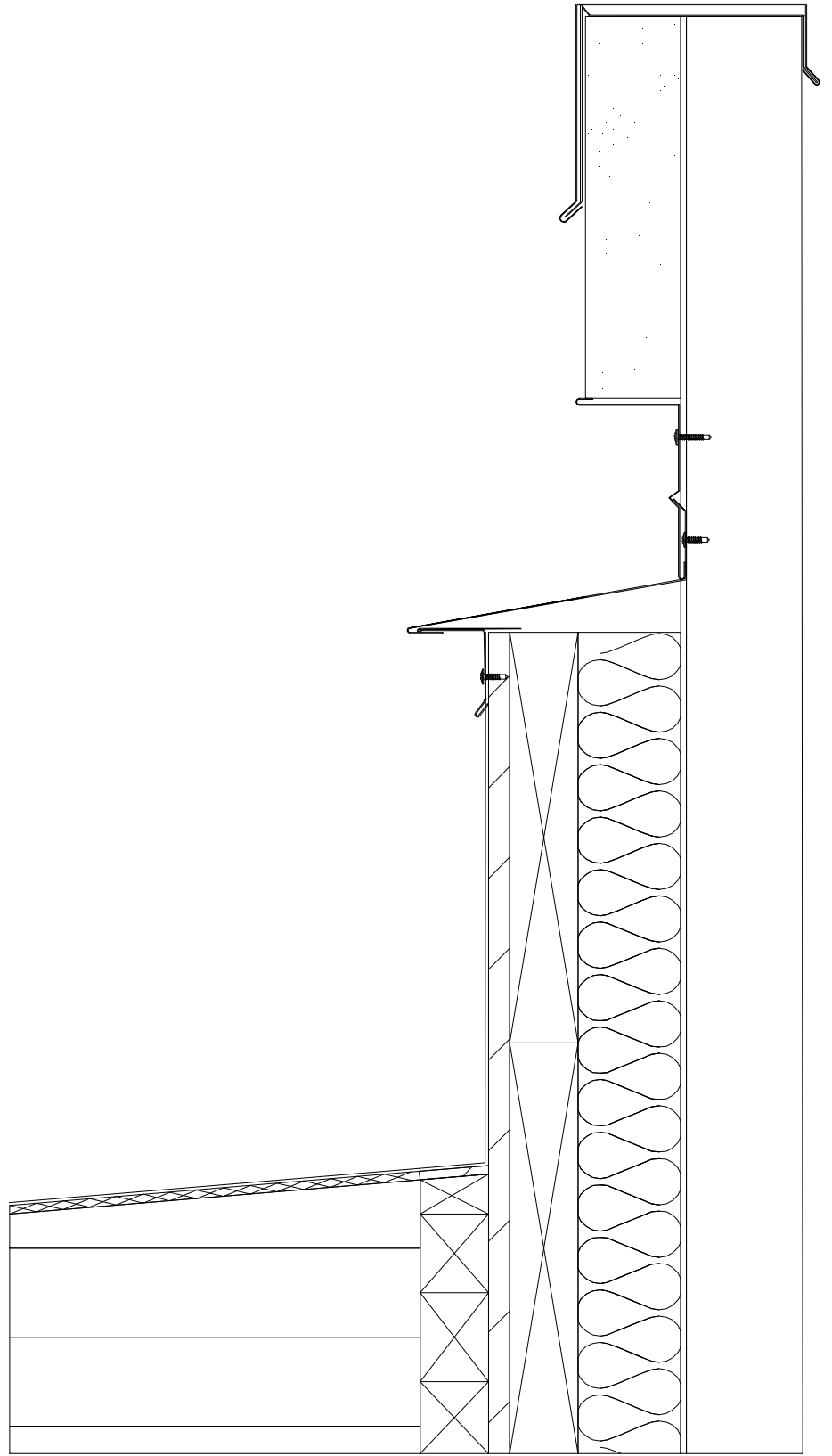
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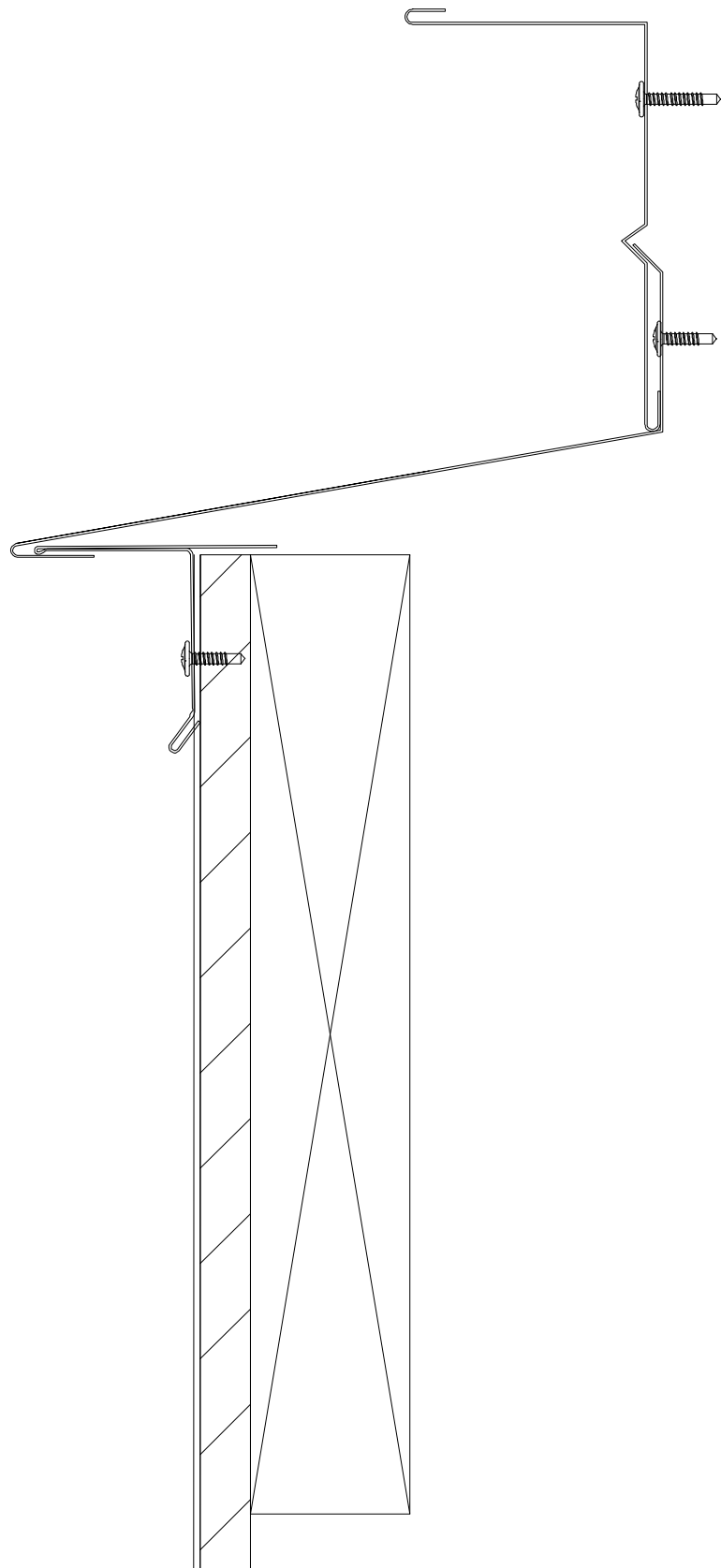
**R-PANEL CANOPY HIP CAP ROOF
INSTALLATION**

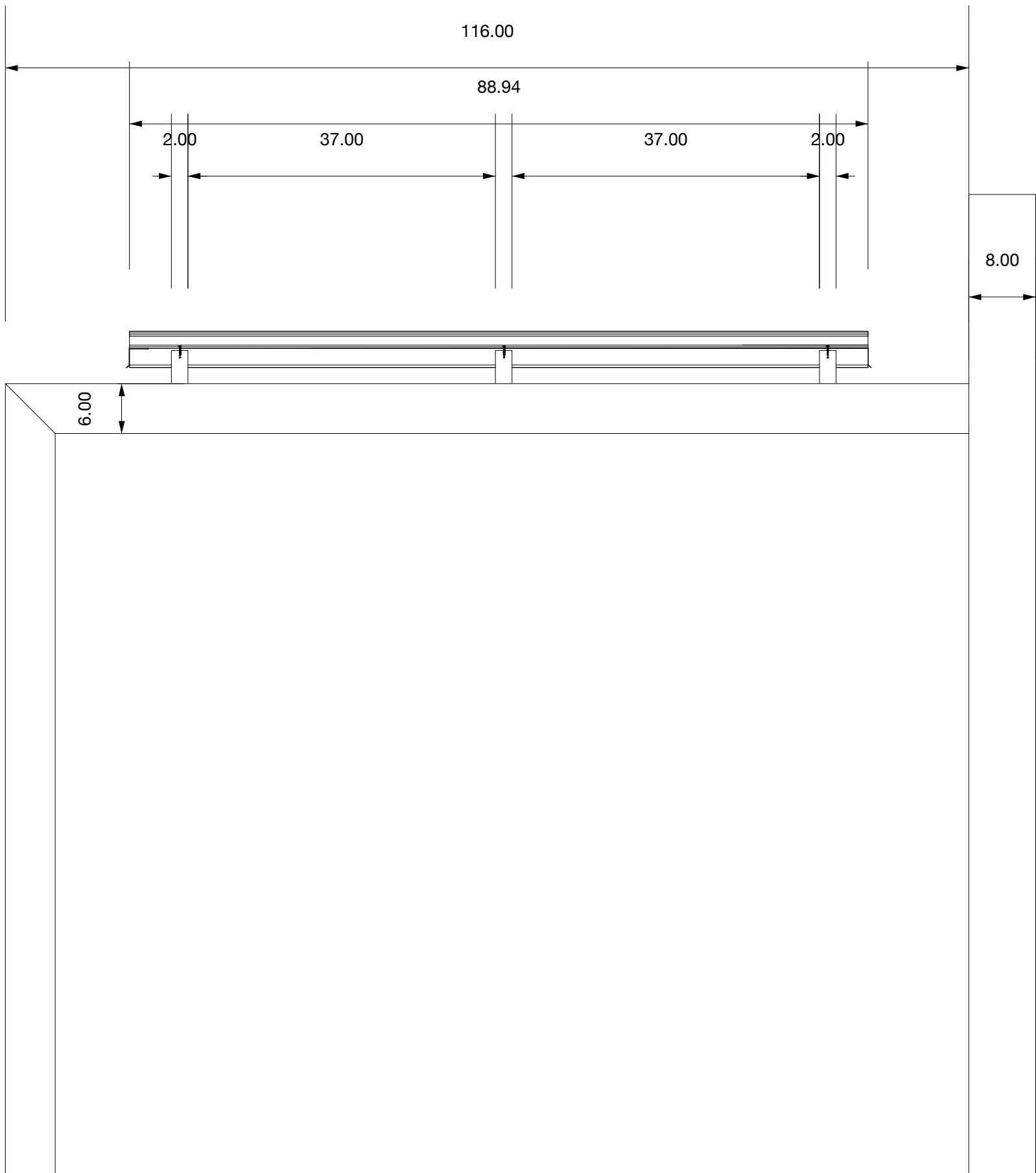
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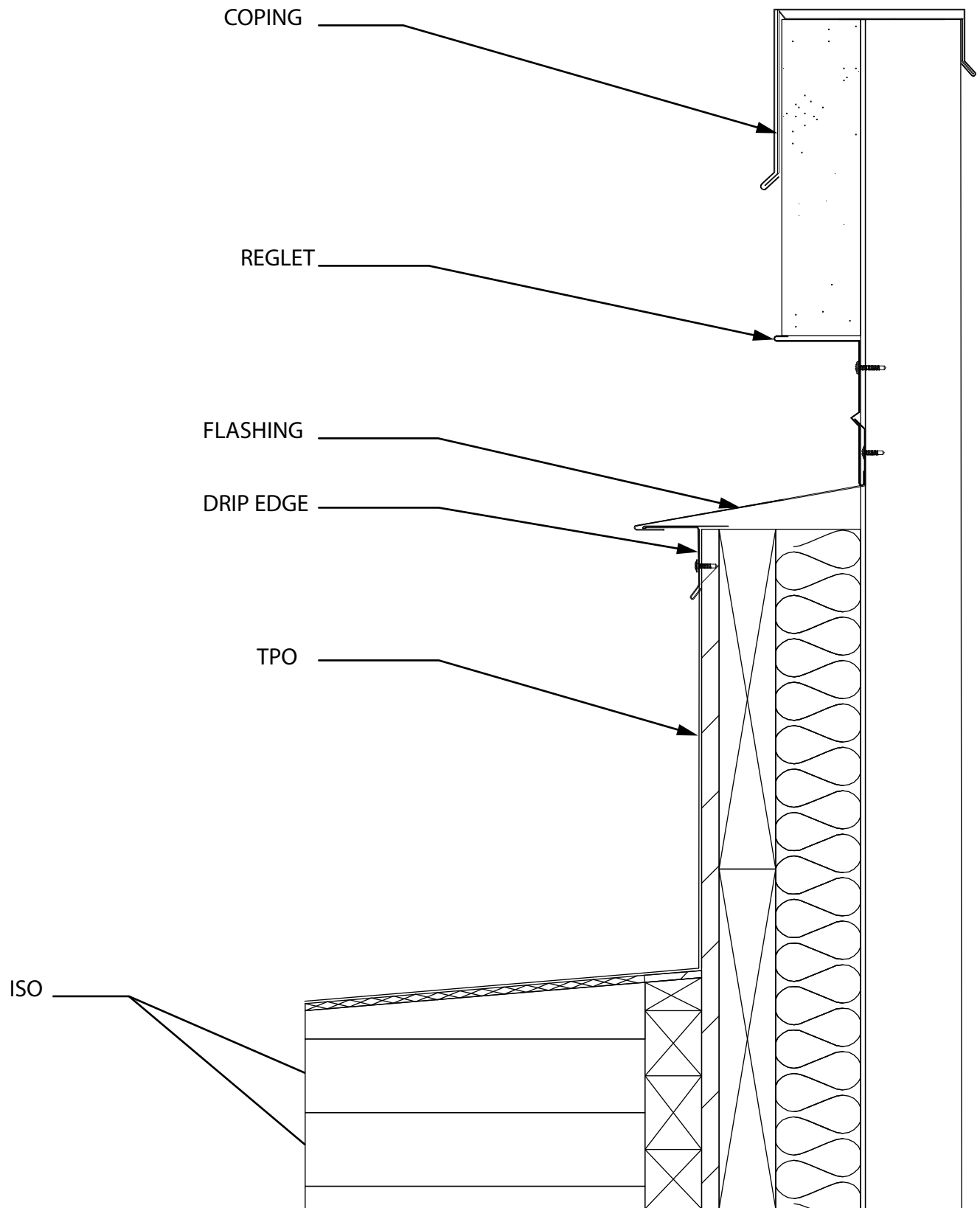
N.T.S.











Shop Drawings

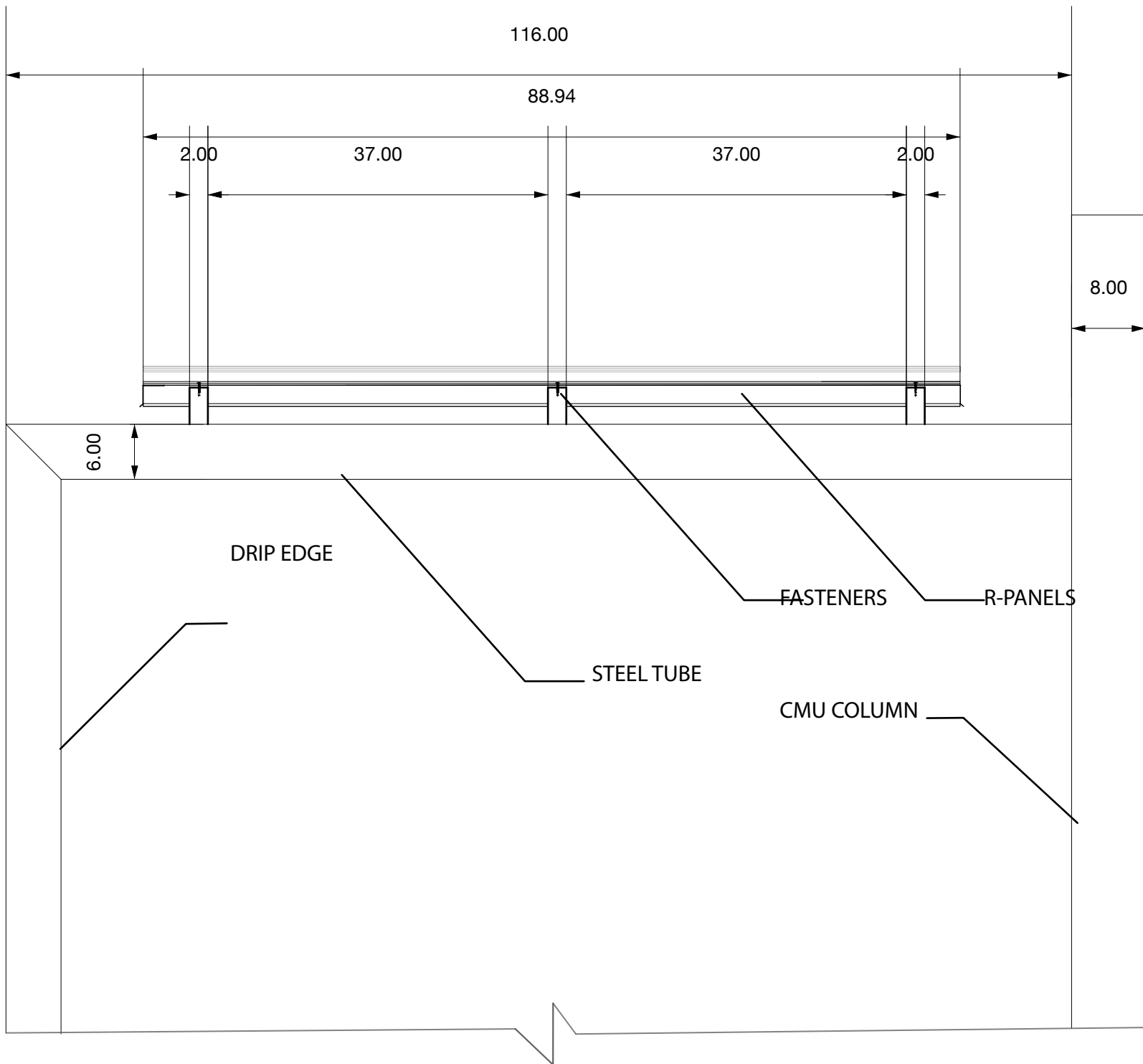
2020

**THREE PCS EXPANSION JOINT
INSTALLATION DETAIL**

NOT DRAWN TO SCALE

N.T.S.





Shop Drawings

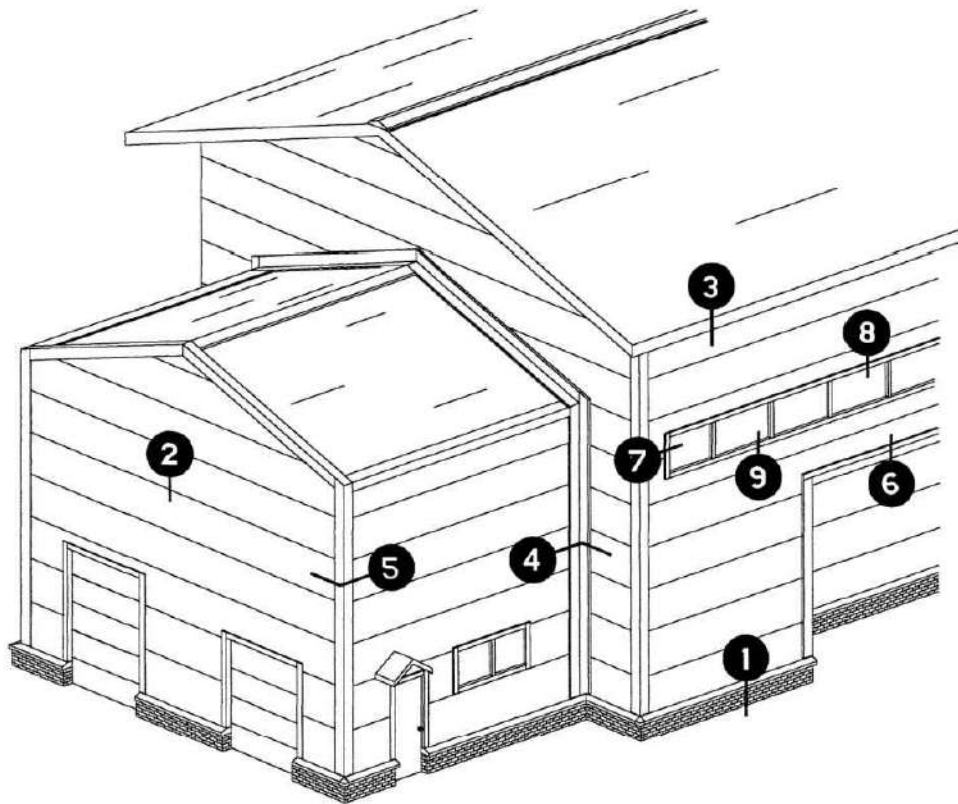
2020

**THREE PCS EXPANSION JOINT
INSTALLATION DETAIL**

NOT DRAWN TO SCALE

N.T.S.





HORIZONTAL PANELS

- 1** BASE DETAILS
- 2** SEAM DETAIL
- 3** EAVE @ WALL PANEL DETAIL
- 4** INSIDE CORNER DETAIL
- 5** OUTSIDE CORNER DETAIL
- 6** SOFFIT DETAIL
- 7** WINDOW JAMB DETAIL
- 8** WINDOW HEAD DETAIL
- 9** WINDOW SILL DETAIL

REFERENCE SHEETS

- HO.1 - PANEL PROFILE INFORMATION
- HA.1 - WINDOW OPENING ISOMETRIC
- HA.2 - PENETRATION ISOMETRIC
- HB.1 - PANEL / PANEL OVERLAP SPLICE

EACH DETAIL CONSISTS OF TWO DIFFERENT WALL CAVITY ASSEMBLIES; INSULATED AND NON-INSULATED.

IE: DETAIL **1** ON THE ELEVATION WILL BE REPRESENTED BY TWO SHEETS 1.1 AND 1.2 ILLUSTRATING EACH RESPECTIVE WALL ASSEMBLY.

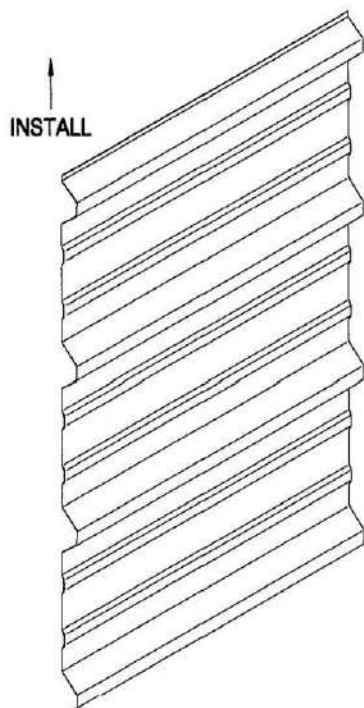
WALL TYPE 1 & 2 WALL ASSEMBLY DISSEMINATES GENERAL, BEST PRACTICE, RECOMMENDATION FOR USE OF AIR / VAPOR BARRIERS WITHIN U.S. DEPT. OF ENERGY CLIMATE ZONES



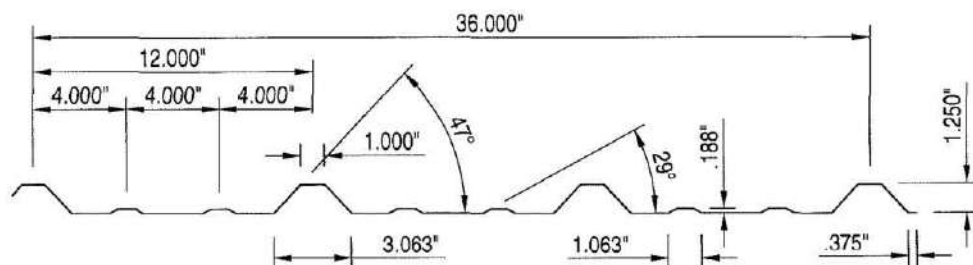
FABTECH R-PANEL INDEX

HR - H0





ITEM NUMBER: CIVR436
 NET COVERAGE: 36" (3 feet)
 MAXIMUM LENGTH: 480" (40 feet)



MATERIAL OPTIONS

COIL - COATED STEEL
 COIL - COATED ALUMINUM
 ARCHITECTURAL GRADE SHEET COPPER
 ANODIZED ALUMINUM
 STAINLESS STEEL
 MILL FINISH ALUMINUM
 GALVALUME
 GALVANIZED

FABRICATION OPTIONS

STEEL: 22 - 24 GAUGE
 ALUMINUM: .032" - .040"
 COPPER: 16 & 20 OZ.

FINISH OPTIONS

PAINTING

HYLAR 5000 / KYNAR 500, MODIFIED POLYESTERS,
 AND OTHER CUSTOM OR EXOTIC FINISHES CAN
 BE COIL COATED OR SPRAY APPLIED.

ANODIZING

CLEAR, BRONZES, AND VARIOUS OTHER COLORS
 CAN BE COIL ANODIZED FOR COLOR CONSISTENCY.

MECHANICAL FINISHES

PROVIDES A SURFACE TEXTURE BY MECHANICAL
 MEANS ALONE. (3) EMBOSSING PATTERNS ARE
 CURRENTLY AVAILABLE.

CUSTOM COLORS

WE CAN PROVIDE FULL CUSTOM COLOR SERVICES
 TO MATCH PRACTICALLY ANY MATERIAL, SHADE,
 OR TINT YOU REQUEST.

NOTES:

1. HEAVIER GAUGES, NARROWER WIDTHS, AND EMBOSSING MINIMIZE "OIL CANNING".
2. OIL CANNING IS NOT A CAUSE FOR REJECTION.
3. AN EXTENSIVE SELECTION OF ASSOCIATED PANEL FLASHING AND TRIMS ARE AVAILABLE.
4. CONTACT FIRESTONE BUILDING PRODUCTS FOR UP TO DATE TECHNICAL INFORMATION AND MATERIAL LIMITATIONS.
5. ALL SYSTEMS WITH TESTING MUST BE INSTALLED IN ACCORDANCE WITH THE ASSEMBLY AS TESTED.

(H0.1)

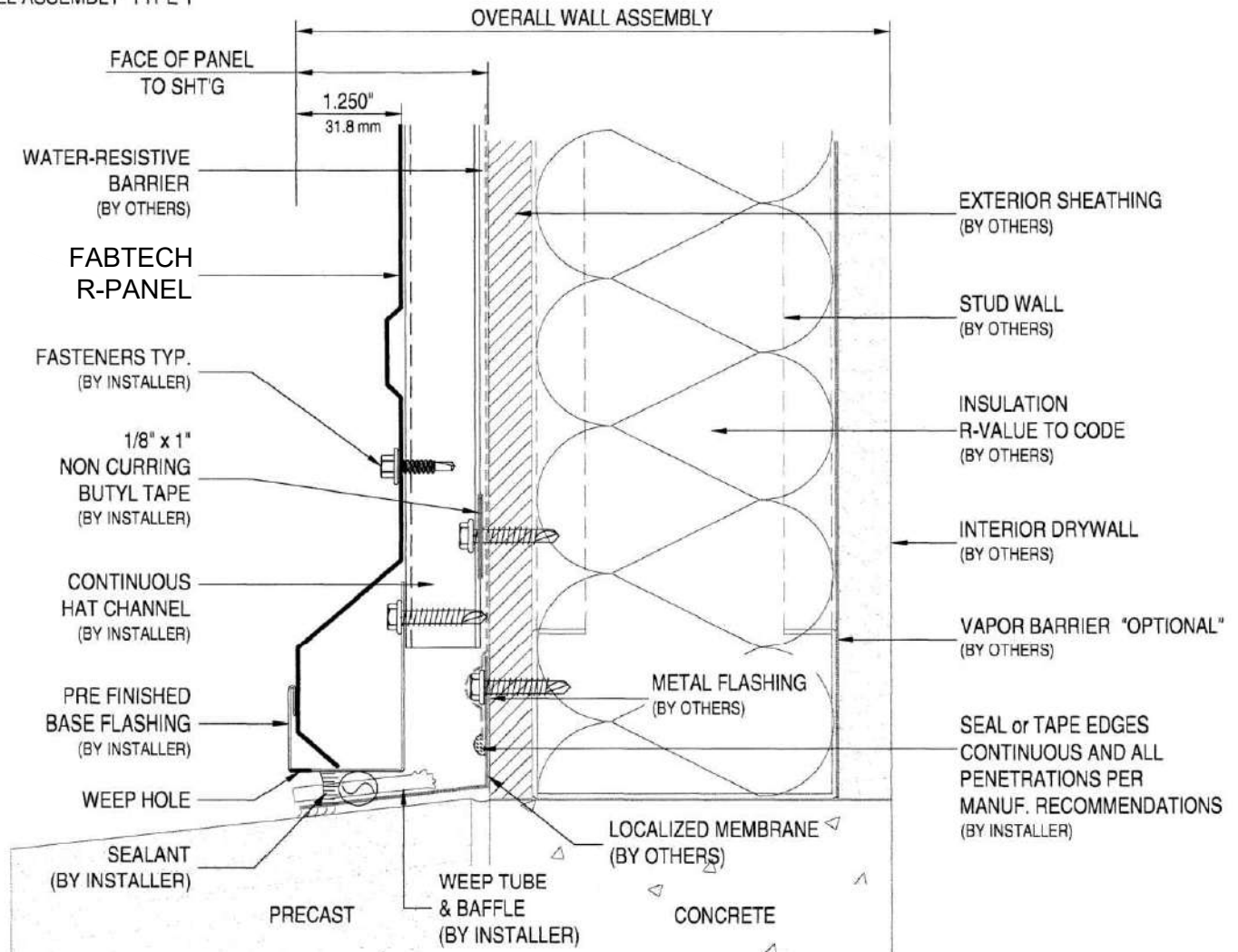


FABTECH R-PANEL - PROFILE

HR - H0.1



WALL ASSEMBLY TYPE 1



IMPROVE ENERGY EFFICIENCY WITH PROPER COMPONENT WALL ASSEMBLIES

IN MOST REGIONS, EXTERIOR WALLS HAVING INSULATION INSIDE THE STUD WALL CAVITY SHOULD USE A VAPOR-PERMEABLE MEMBRANE APPLIED ON THE EXTERIOR SIDE OF THE WALL. A VAPOR-PERMEABLE MEMBRANE ALLOWS THE WALL CAVITY TO BREATHE AND DRY POTENTIAL MOISTURE CAUSED FROM VAPOR PRESSURE. IN COLDER CLIMATES A NON-PERMEABLE VAPOR BARRIER MUST BE INSTALLED ON THE INTERIOR SIDE OF THE WALL ASSEMBLY TO MINIMIZE OUTWARD VAPOR PRESSURE CAUSED BY HEATED AND HUMIDIFIED INTERIOR ENVIRONMENTS DURING THE COLD SEASON.

2006 INTERNATIONAL BUILDING CODE - 1403.2 WEATHER PROTECTION: EXTERIOR WALLS SHALL PROVIDE THE BUILDING WITH A WEATHER-RESISTANT EXTERIOR WALL ENVELOPE. THE EXTERIOR WALL ENVELOPE SHALL BE DESIGNED AND CONSTRUCTED TO PREVENT THE ACCUMULATION OF WATER WITHIN THE WALL ASSEMBLY BY PROVIDING A WATER-RESISTANT BARRIER ON THE SIDE OF THE WALL BEHIND THE EXTERIOR VANEER. PROVIDE MEANS OF DRAINING WATER THAT ENTERS BETWEEN THE EXTERIOR VANEER AND THE WATER-RESISTANT BARRIER.

H1.1

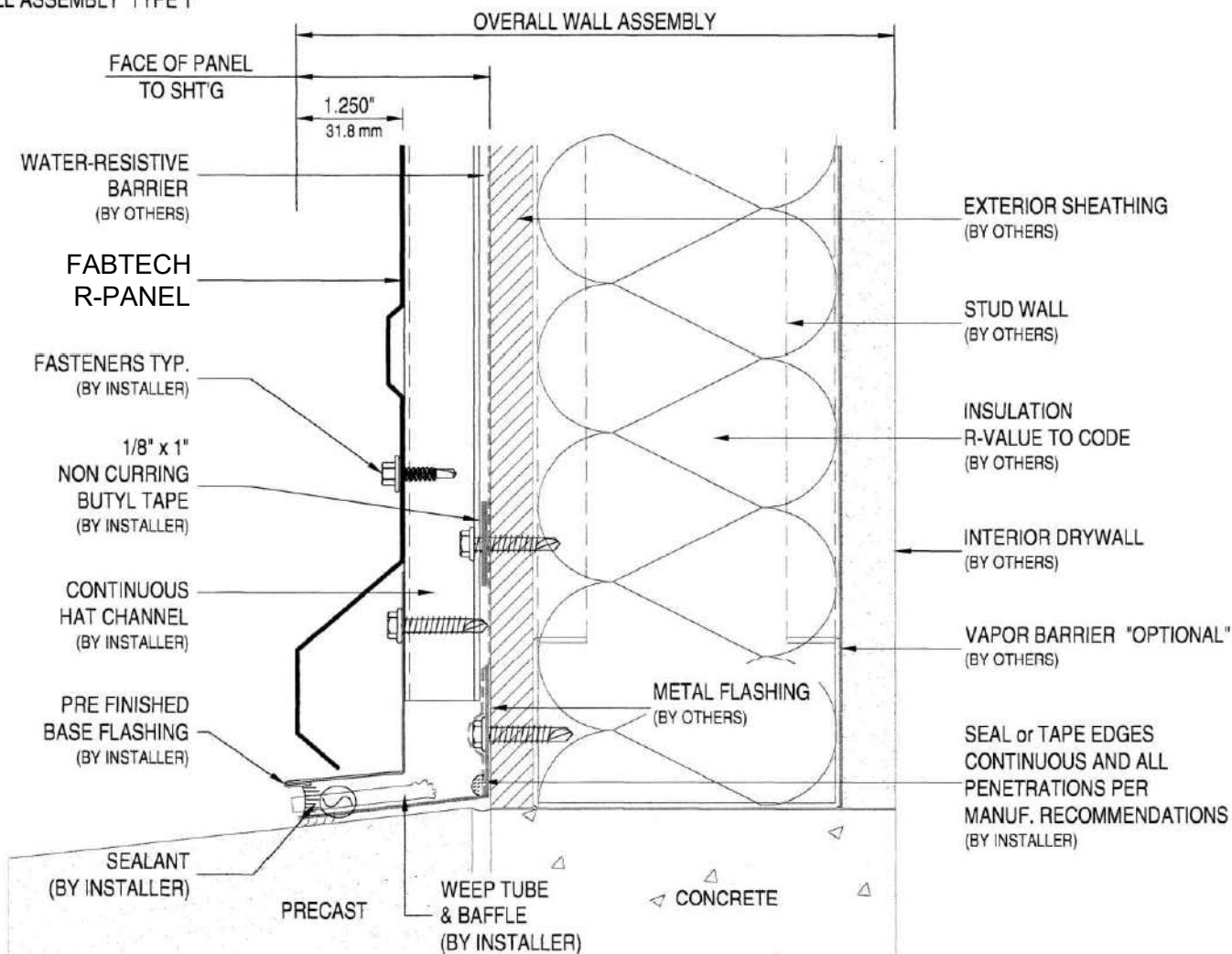


FABTECH R-PANEL - BASE DETAIL

HR - H1.1



WALL ASSEMBLY TYPE 1



IMPROVE ENERGY EFFICIENCY WITH PROPER COMPONENT WALL ASSEMBLIES

IN MOST REGIONS, EXTERIOR WALLS HAVING INSULATION INSIDE THE STUD WALL CAVITY SHOULD USE A VAPOR-PERMEABLE MEMBRANE APPLIED ON THE EXTERIOR SIDE OF THE WALL. A VAPOR-PERMEABLE MEMBRANE ALLOWS THE WALL CAVITY TO BREATHE AND DRY POTENTIAL MOISTURE CAUSED FROM VAPOR PRESSURE. IN COLDER CLIMATES A NON-PERMEABLE VAPOR BARRIER MUST BE INSTALLED ON THE INTERIOR SIDE OF THE WALL ASSEMBLY TO MINIMIZE OUTWARD VAPOR PRESSURE CAUSED BY HEATED AND HUMIDIFIED INTERIOR ENVIRONMENTS DURING THE COLD SEASON.

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H1.1 OPTION A



FABTECH

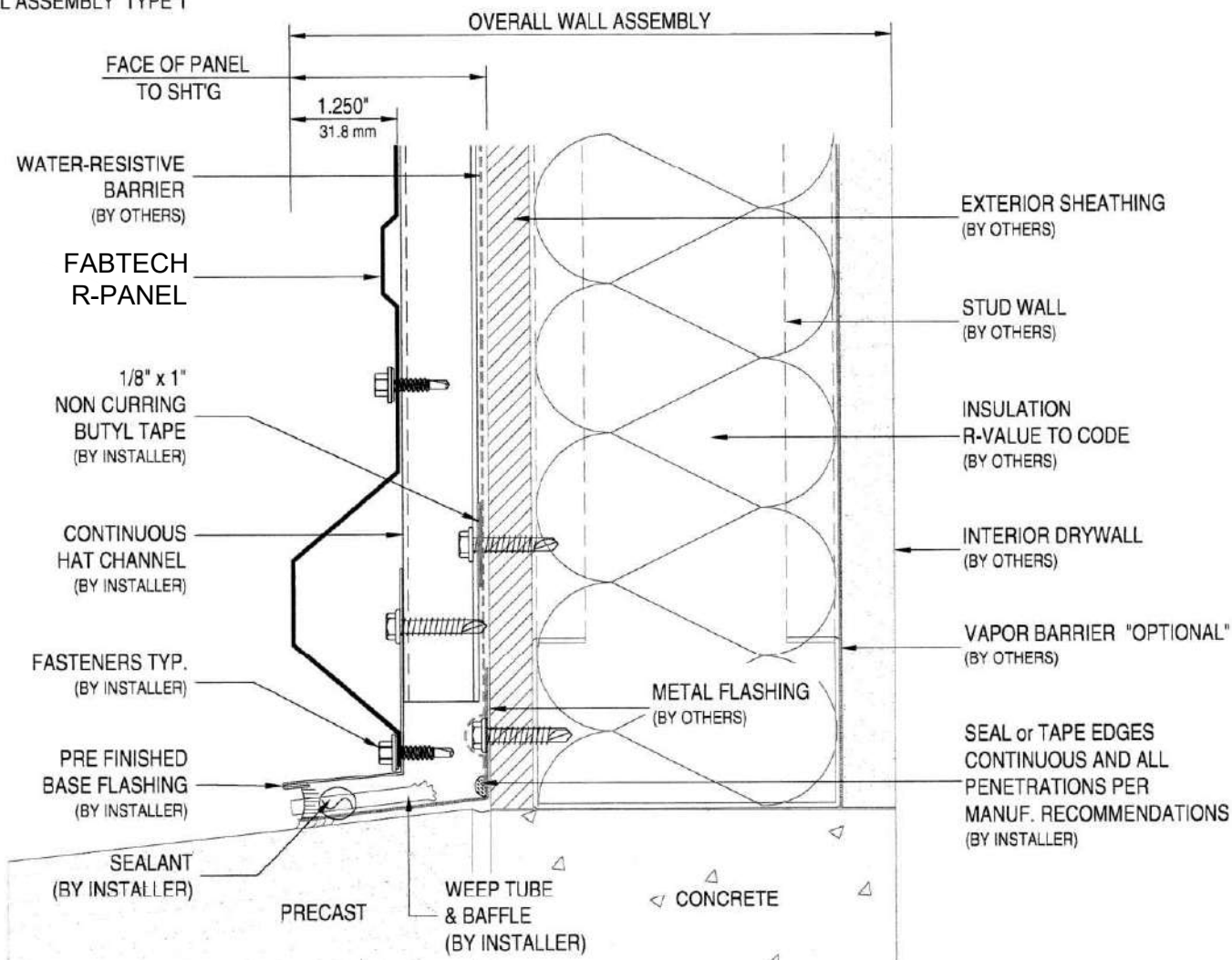
FABTECH R-PANEL - BASE DETAIL

HR - H1.1A



FABTECH

WALL ASSEMBLY TYPE 1



IMPROVE ENERGY EFFICIENCY WITH PROPER COMPONENT WALL ASSEMBLIES

IN MOST REGIONS, EXTERIOR WALLS HAVING INSULATION INSIDE THE STUD WALL CAVITY SHOULD USE A VAPOR-PERMEABLE MEMBRANE APPLIED ON THE EXTERIOR SIDE OF THE WALL. A VAPOR-PERMEABLE MEMBRANE ALLOWS THE WALL CAVITY TO BREATHE AND DRY POTENTIAL MOISTURE CAUSED FROM VAPOR PRESSURE. IN COLDER CLIMATES A NON-PERMEABLE VAPOR BARRIER MUST BE INSTALLED ON THE INTERIOR SIDE OF THE WALL ASSEMBLY TO MINIMIZE OUTWARD VAPOR PRESSURE CAUSED BY HEATED AND HUMIDIFIED INTERIOR ENVIRONMENTS DURING THE COLD SEASON.

2006 INTERNATIONAL BUILDING CODE - 1403.2 WEATHER PROTECTION: EXTERIOR WALLS SHALL PROVIDE THE BUILDING WITH A WEATHER-RESISTANT EXTERIOR WALL ENVELOPE. THE EXTERIOR WALL ENVELOPE SHALL BE DESIGNED AND CONSTRUCTED TO PREVENT THE ACCUMULATION OF WATER WITHIN THE WALL ASSEMBLY BY PROVIDING A WATER-RESISTANT BARRIER ON THE SIDE OF THE WALL BEHIND THE EXTERIOR VANEER. PROVIDE MEANS OF DRAINING WATER THAT ENTERS BETWEEN THE EXTERIOR VANEER AND THE WATER-RESISTANT BARRIER.

(H1.1) OPTION B

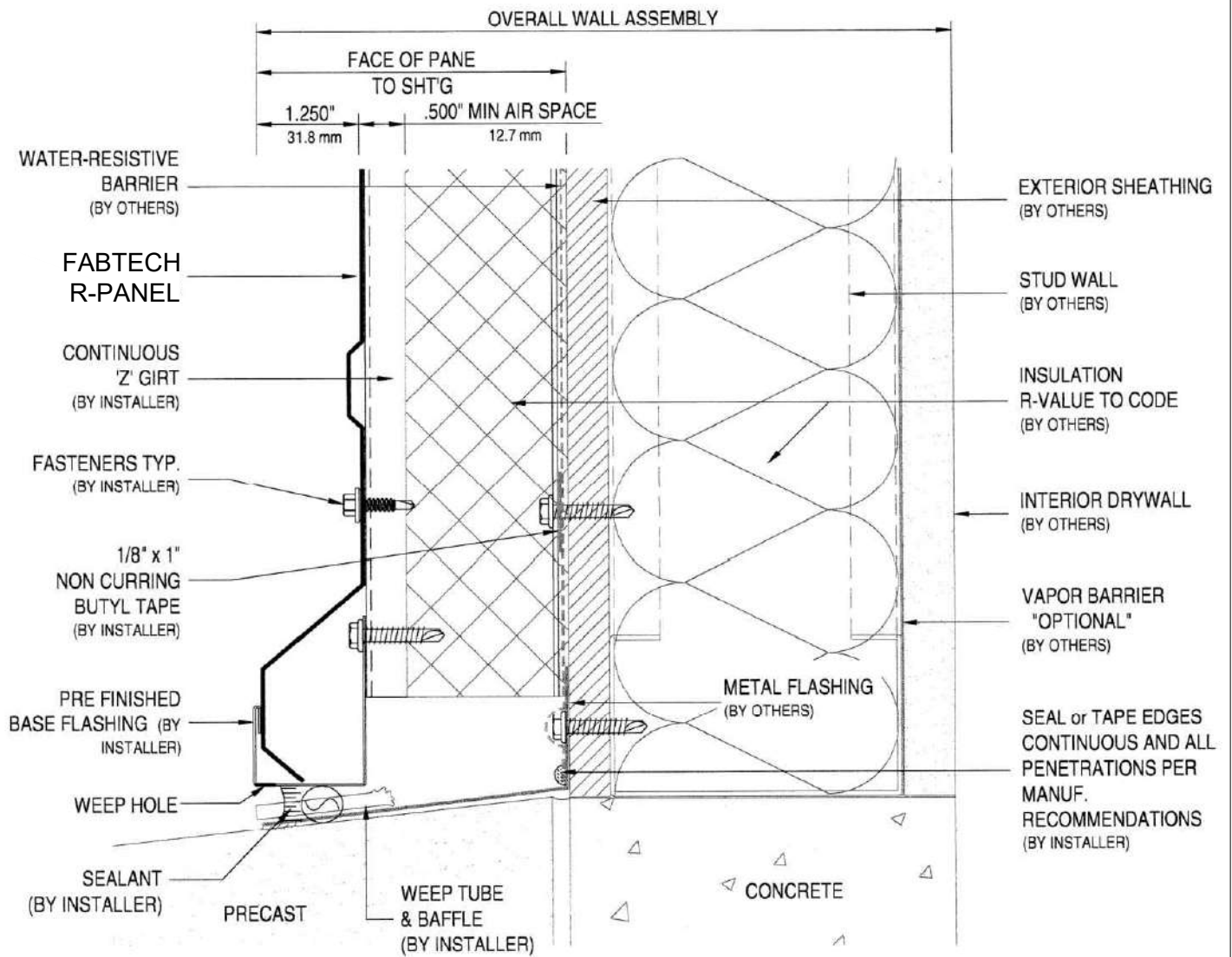


FABTECH R-PANEL - BASE DETAIL

HR - H1.1B



WALL ASSEMBLY TYPE 2



H1.2



FABTECH

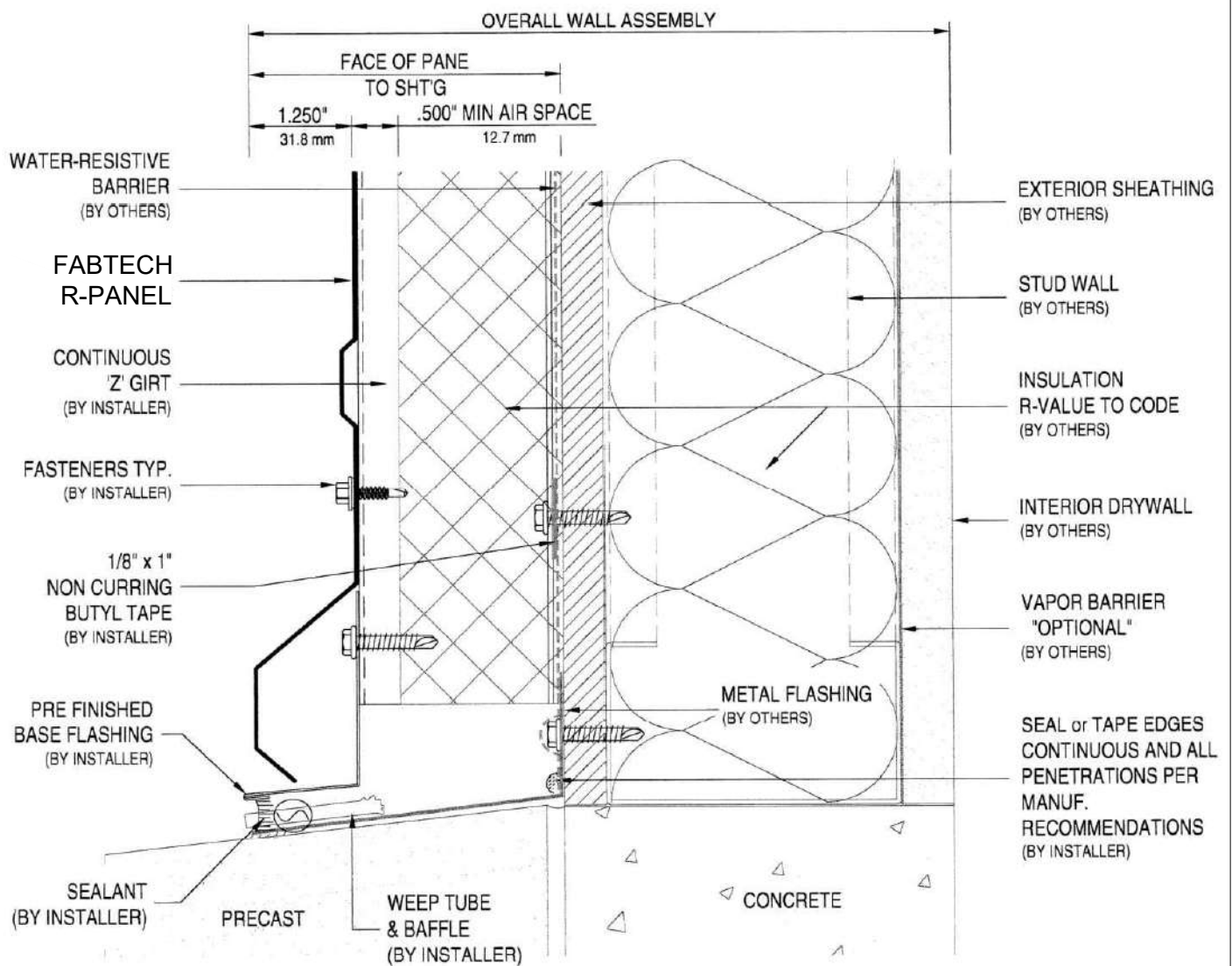
FABTECH R-PANEL - BASE DETAIL

HR - H1.2



FABTECH

WALL ASSEMBLY TYPE 2



H1.2 OPTION A

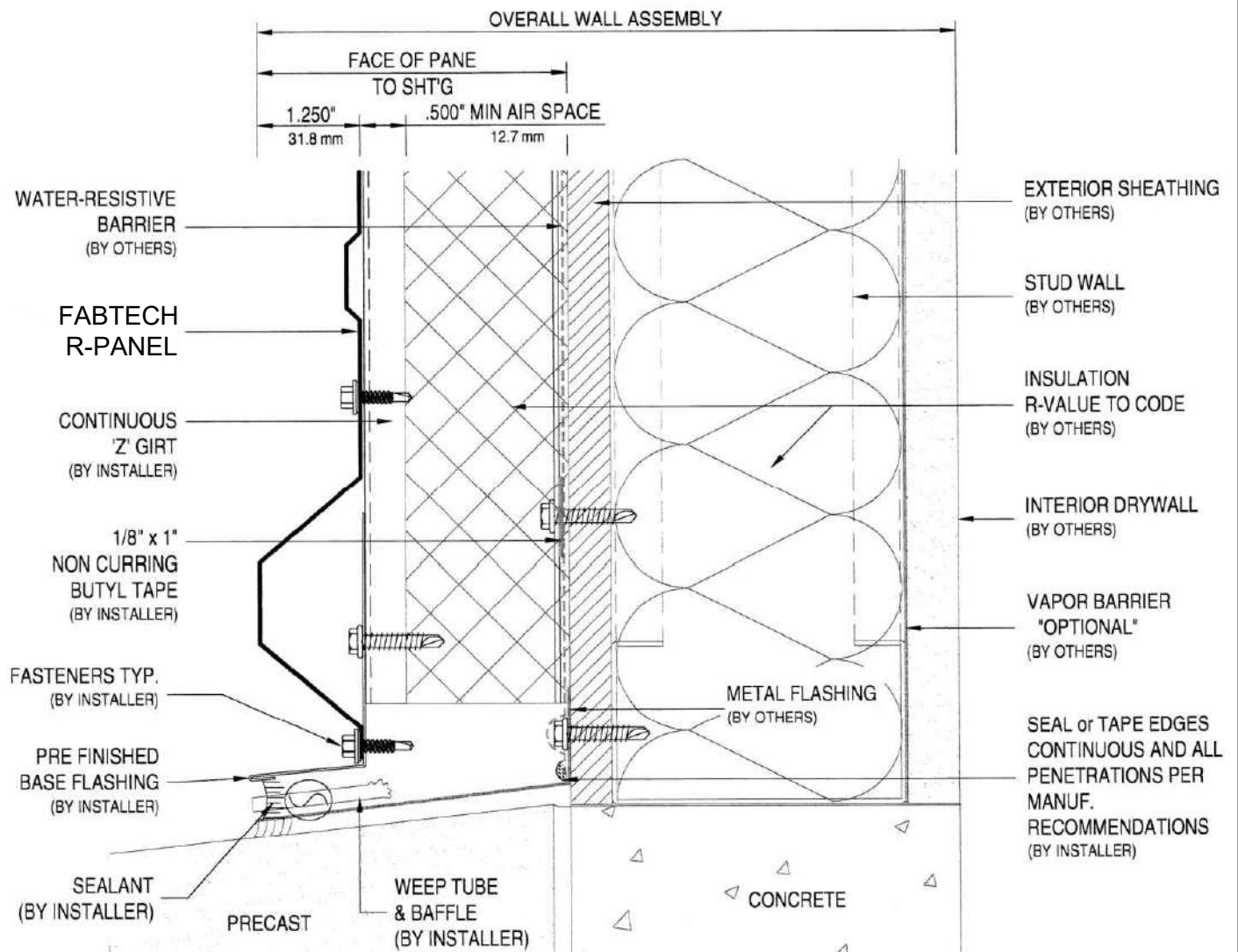


FABTECH R-PANEL - BASE DETAIL

HR - H1.2A



WALL ASSEMBLY TYPE 2



H1.2 OPTION B

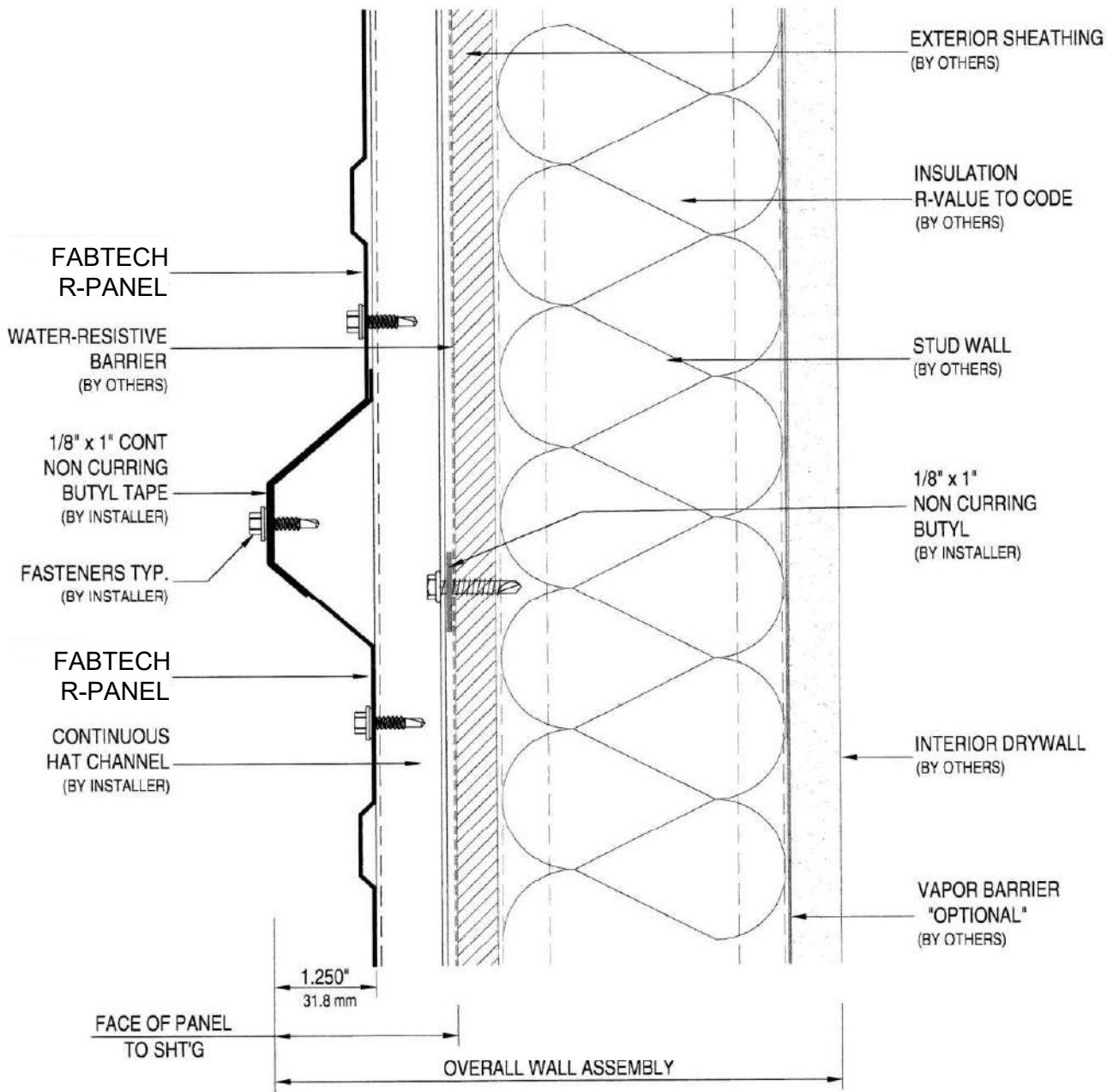


FABTECH R-PANEL - BASE DETAIL

HR - H1.2B



WALL ASSEMBLY TYPE 1



H2.1



FABTECH

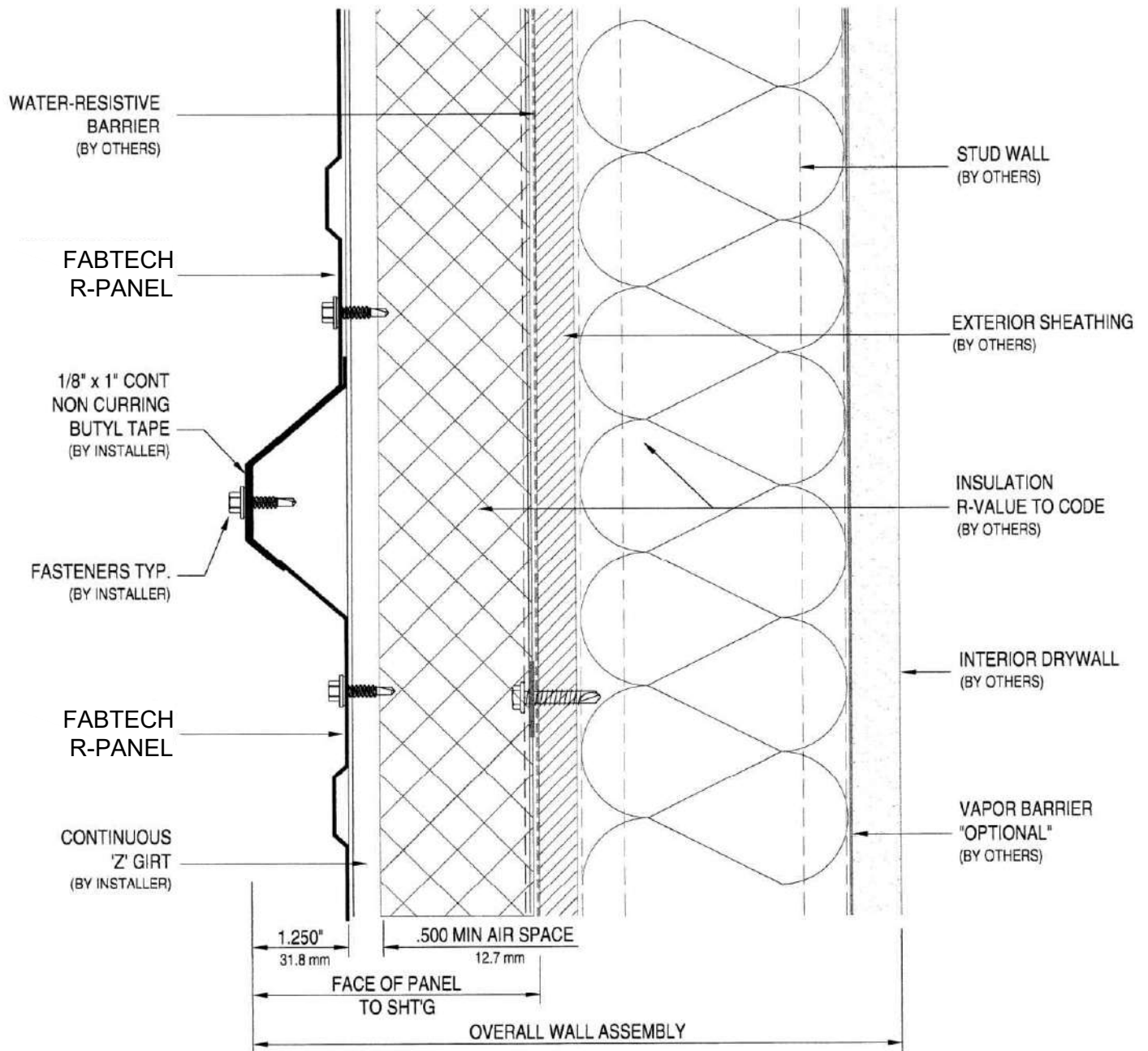
FABTECH R-PANEL - SEAM DETAIL

HR - H2.1



FABTECH

WALL ASSEMBLY TYPE 2



H2.2

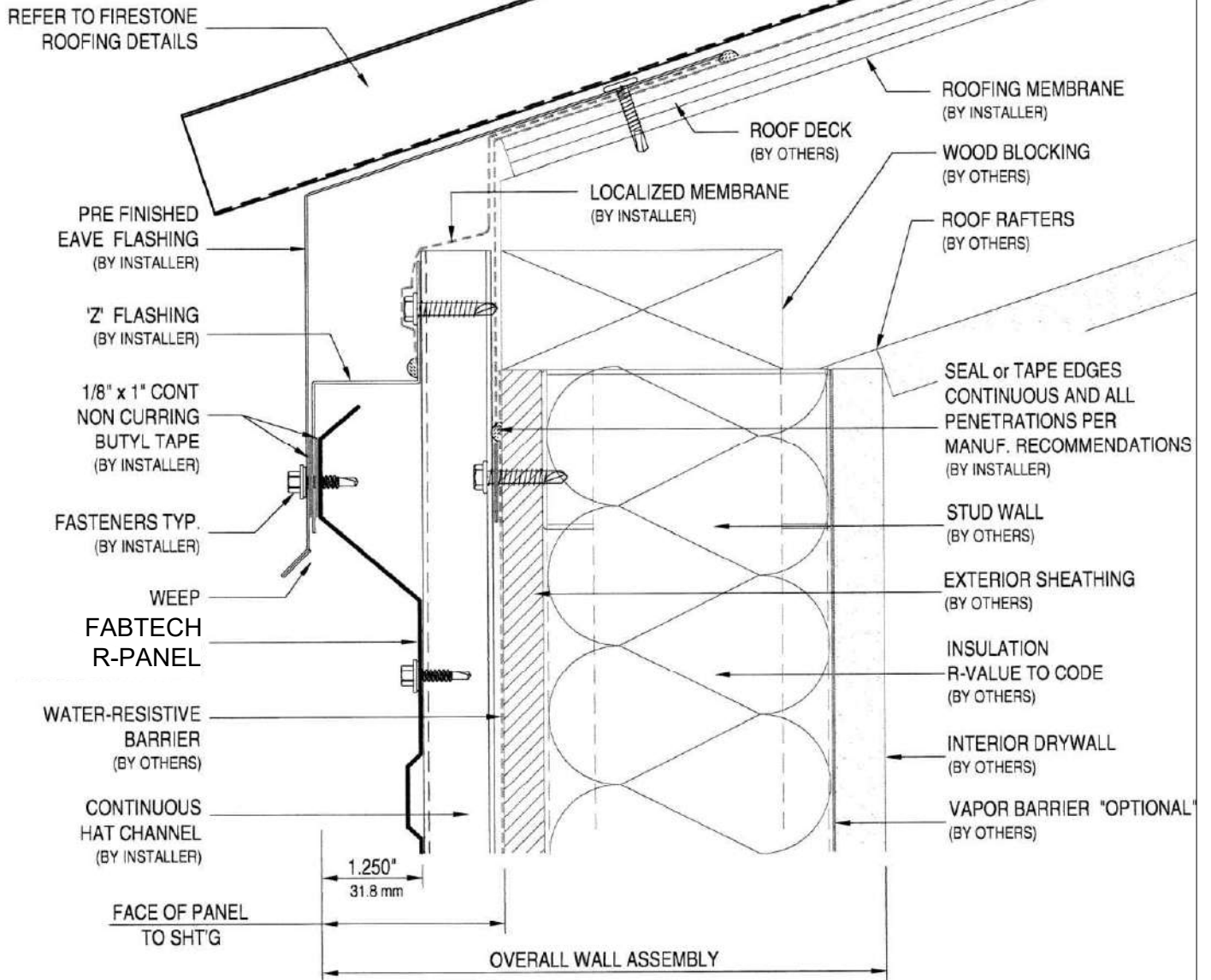


FABTECH R-PANEL - SEAM DETAIL

HR - H2.2



WALL ASSEMBLY TYPE 1



H3.1

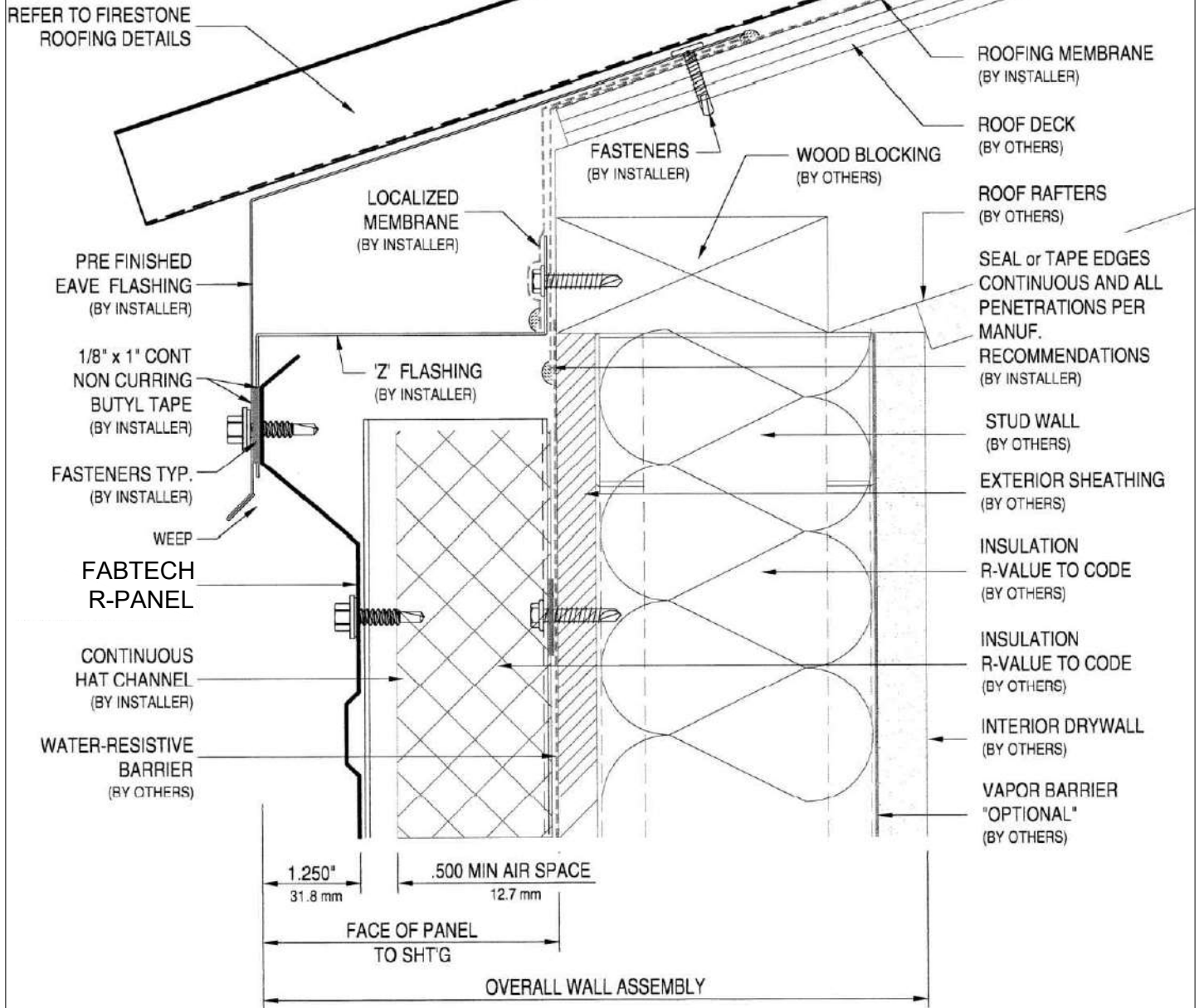


FABTECH R-PANEL - EAVE@ WALL PANEL DETAIL

HR - H3.1



WALL ASSEMBLY TYPE 2



H3.2

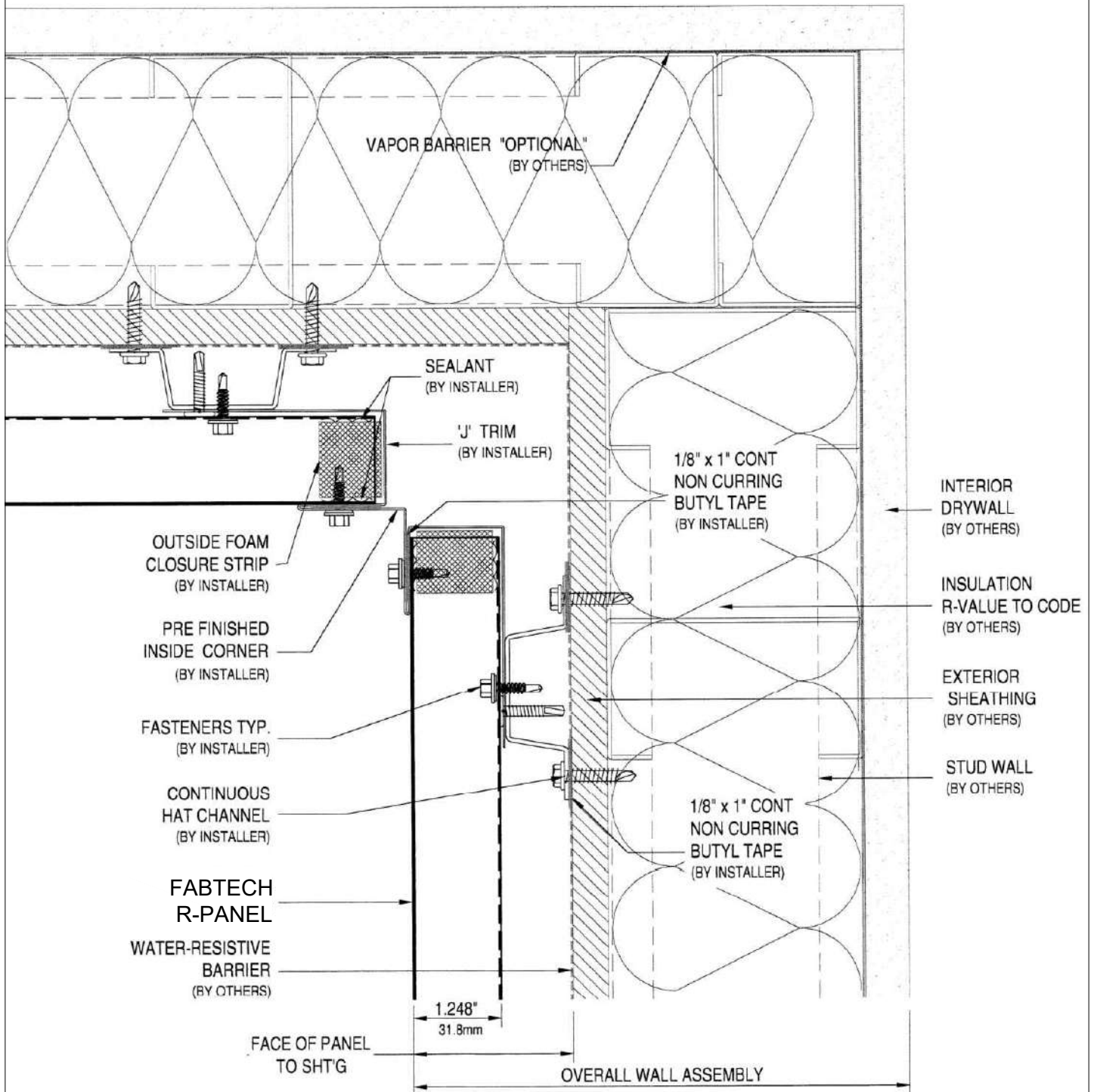


FABTECH R-PANEL - EAVE@ WALL PANEL DETAIL

HR - H3.2



WALL ASSEMBLY TYPE 1



H4.1

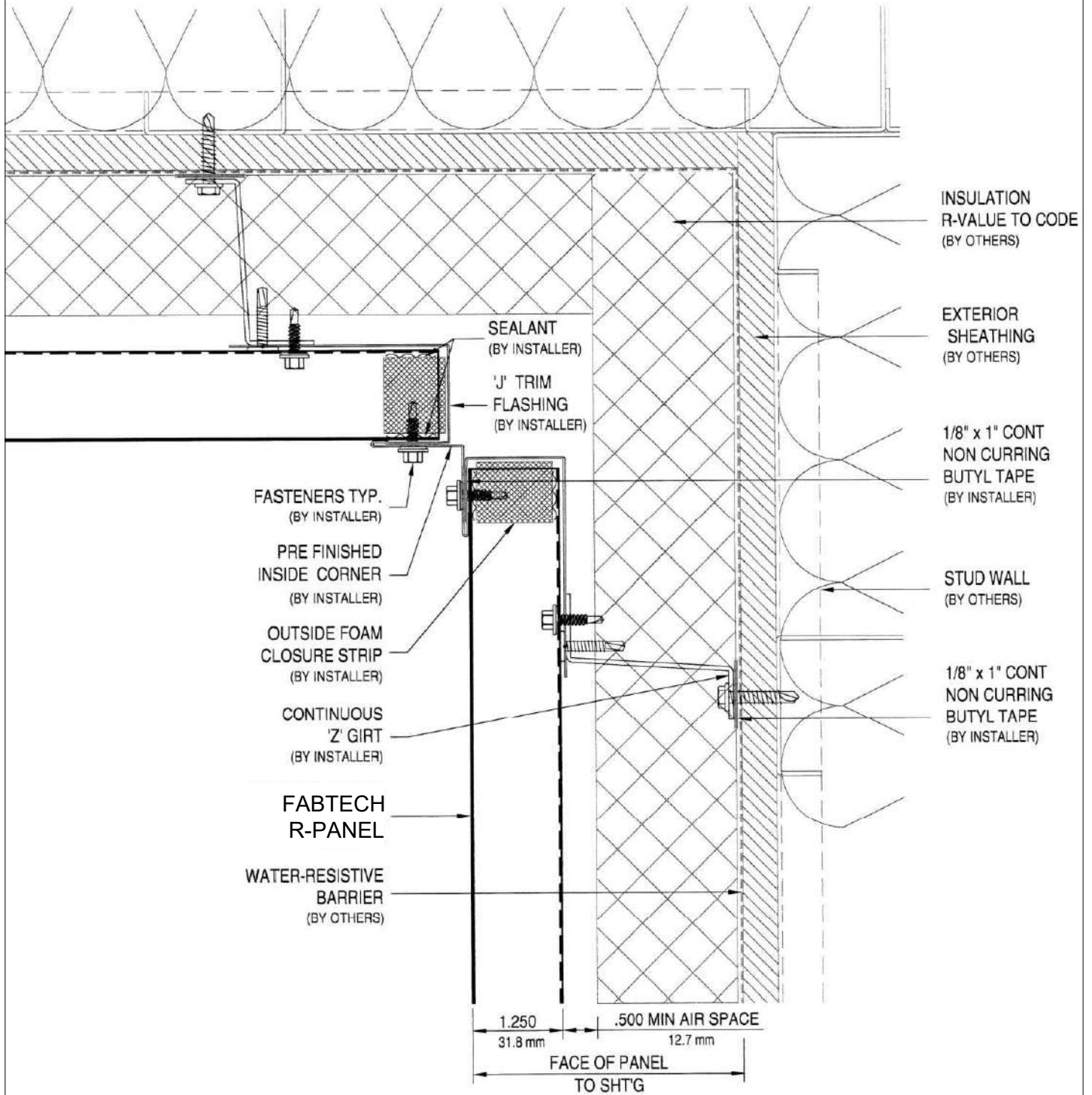


FABTECH R-PANEL - INSIDE CORNER DETAIL

HR - H4.1



WALL ASSEMBLY TYPE 2



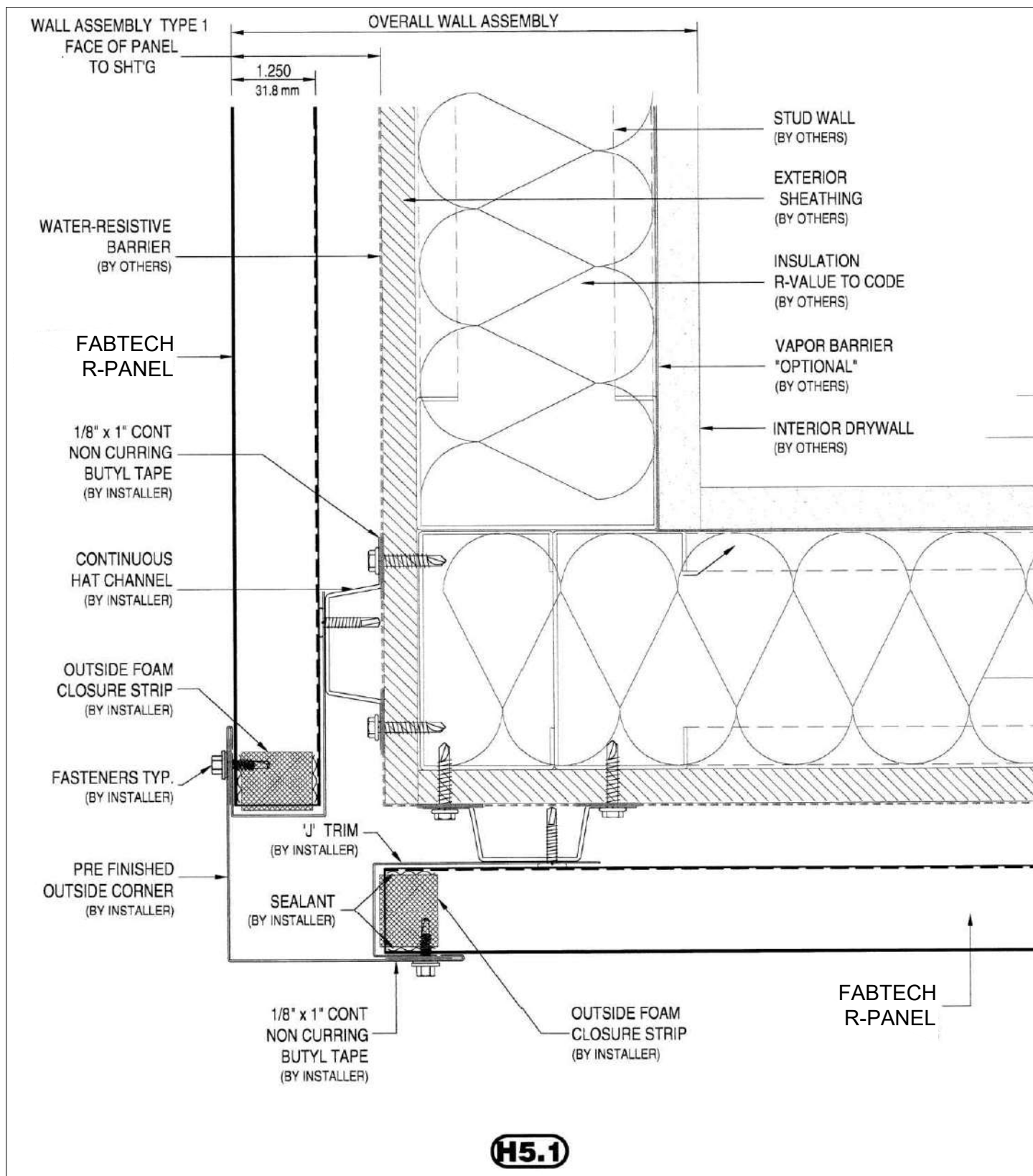
H4.2



FABTECH R-PANEL - INSIDE CORNER DETAIL

HR - H4.2



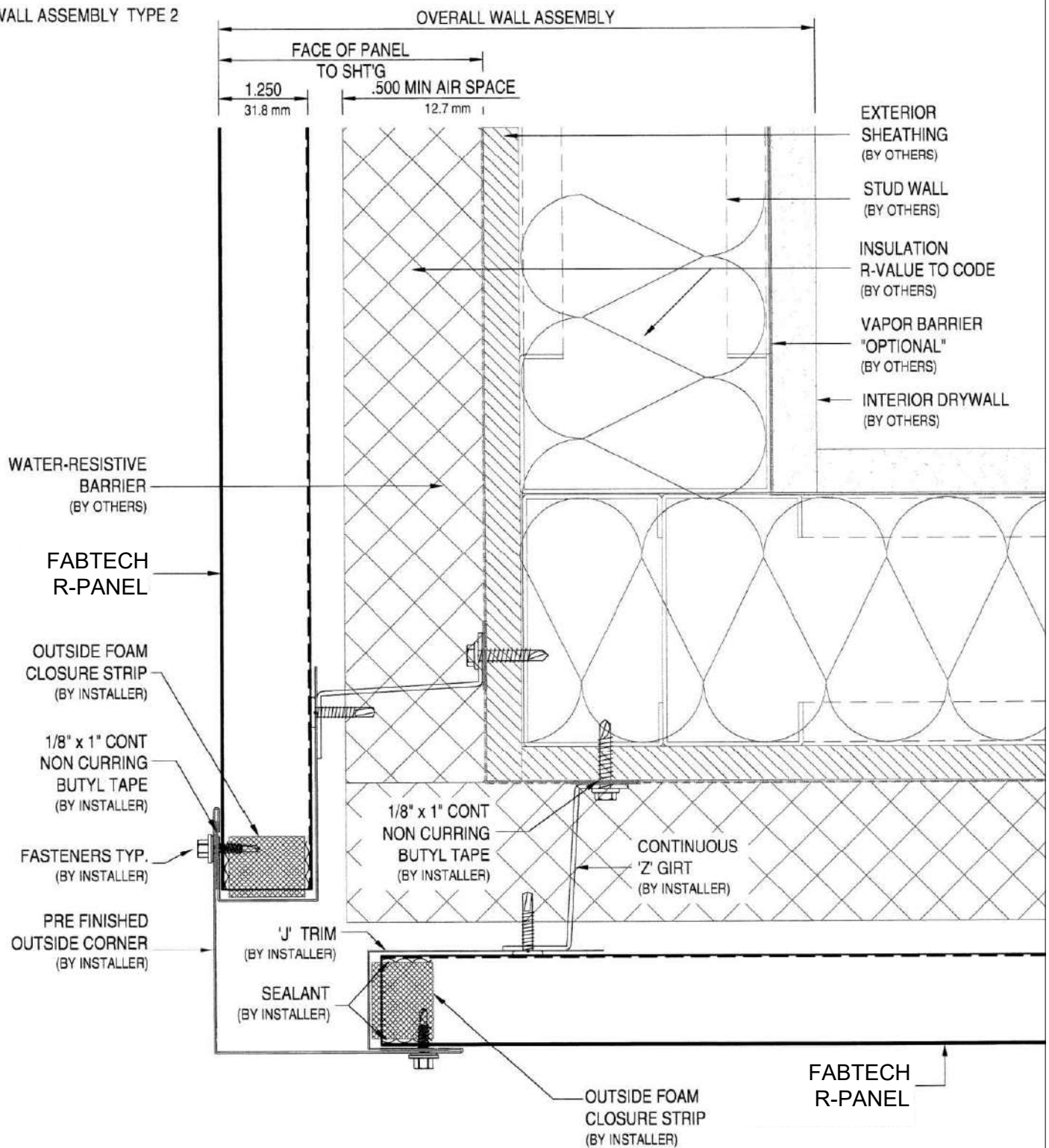


FABTECH R-PANEL - OUTSIDE CORNER DETAIL

HR - H5.1



WALL ASSEMBLY TYPE 2



H5.2



FABTECH

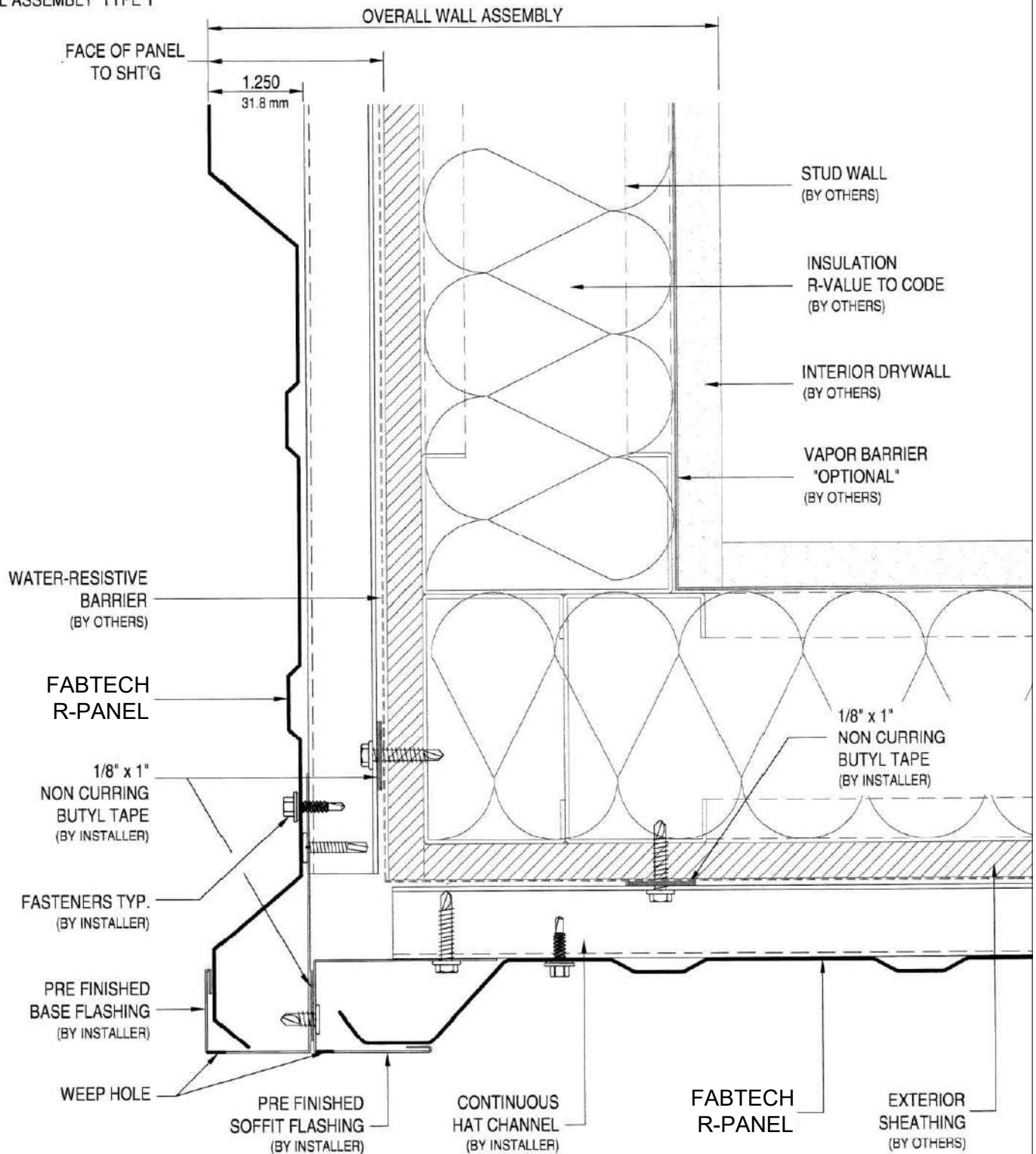
FABTECH R-PANEL - OUTSIDE CORNER DETAIL

HR - H5.2



FABTECH

WALL ASSEMBLY TYPE 1



(H6.1)



FABTECH

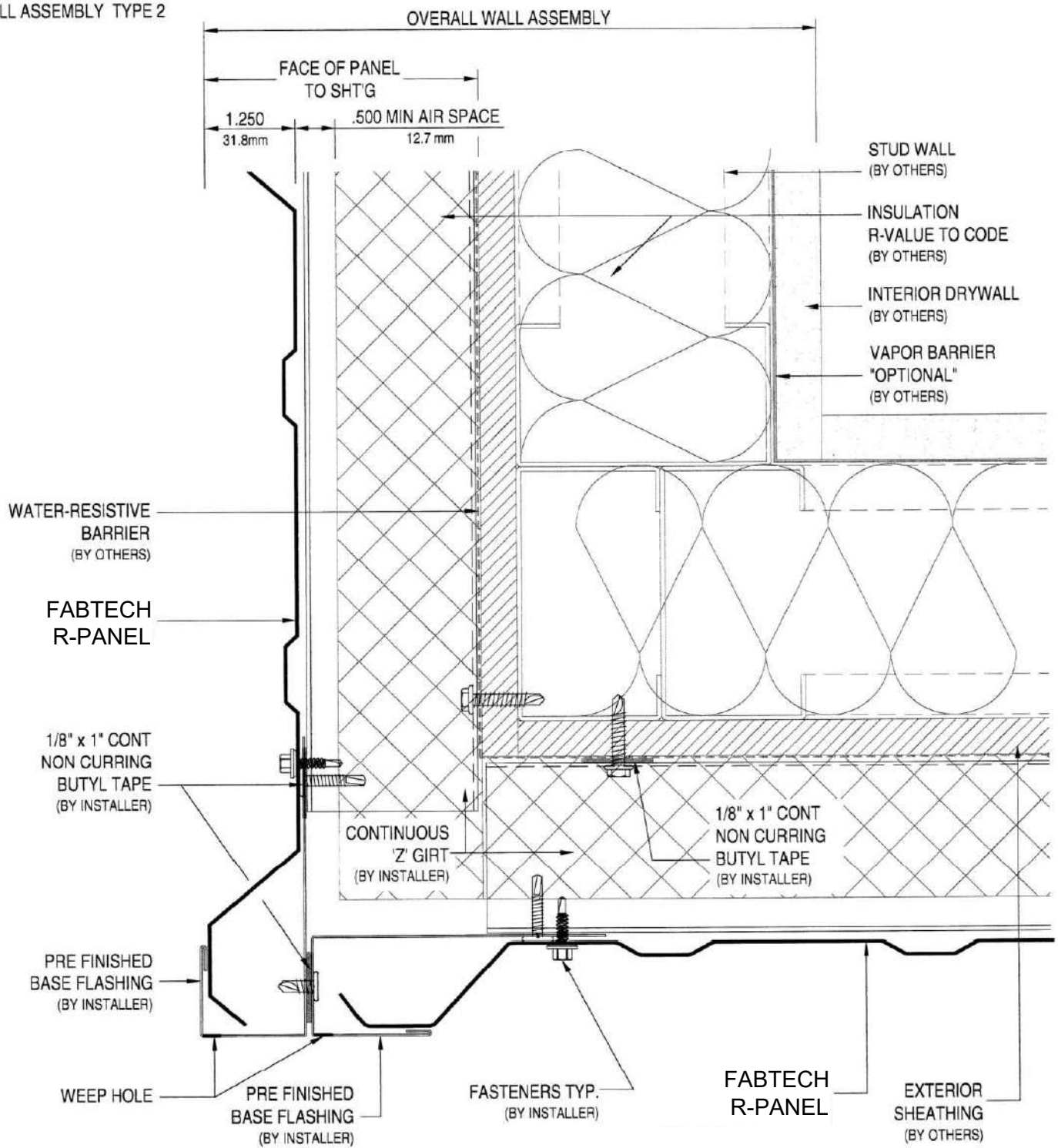
FABTECH R-PANEL - SOFFIT DETAIL

HR - H6.1



FABTECH

WALL ASSEMBLY TYPE 2



H6.2

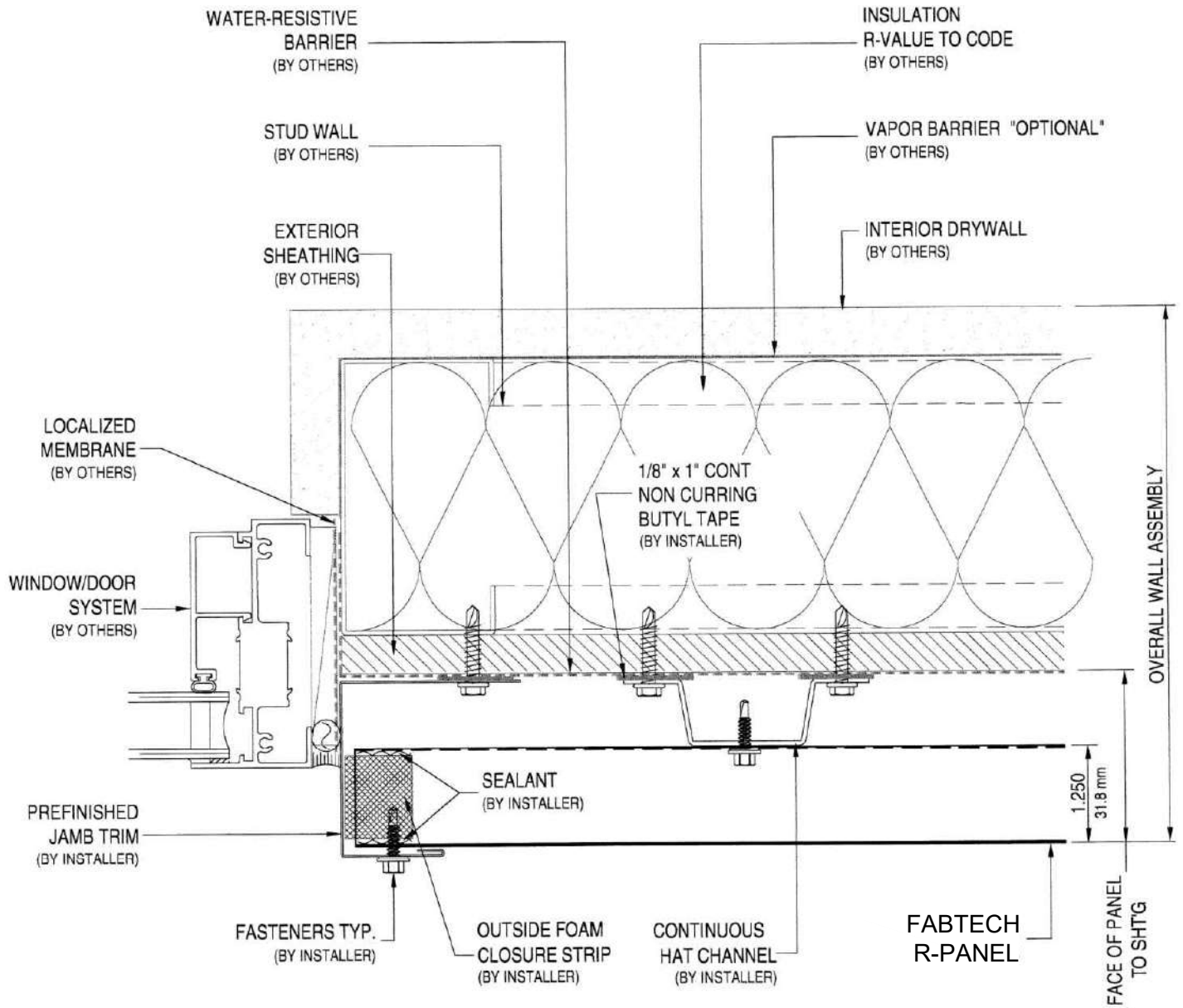


FABTECH R-PANEL - SOFFIT DETAIL

HR - H6.2



WALL ASSEMBLY TYPE 1



H7.1

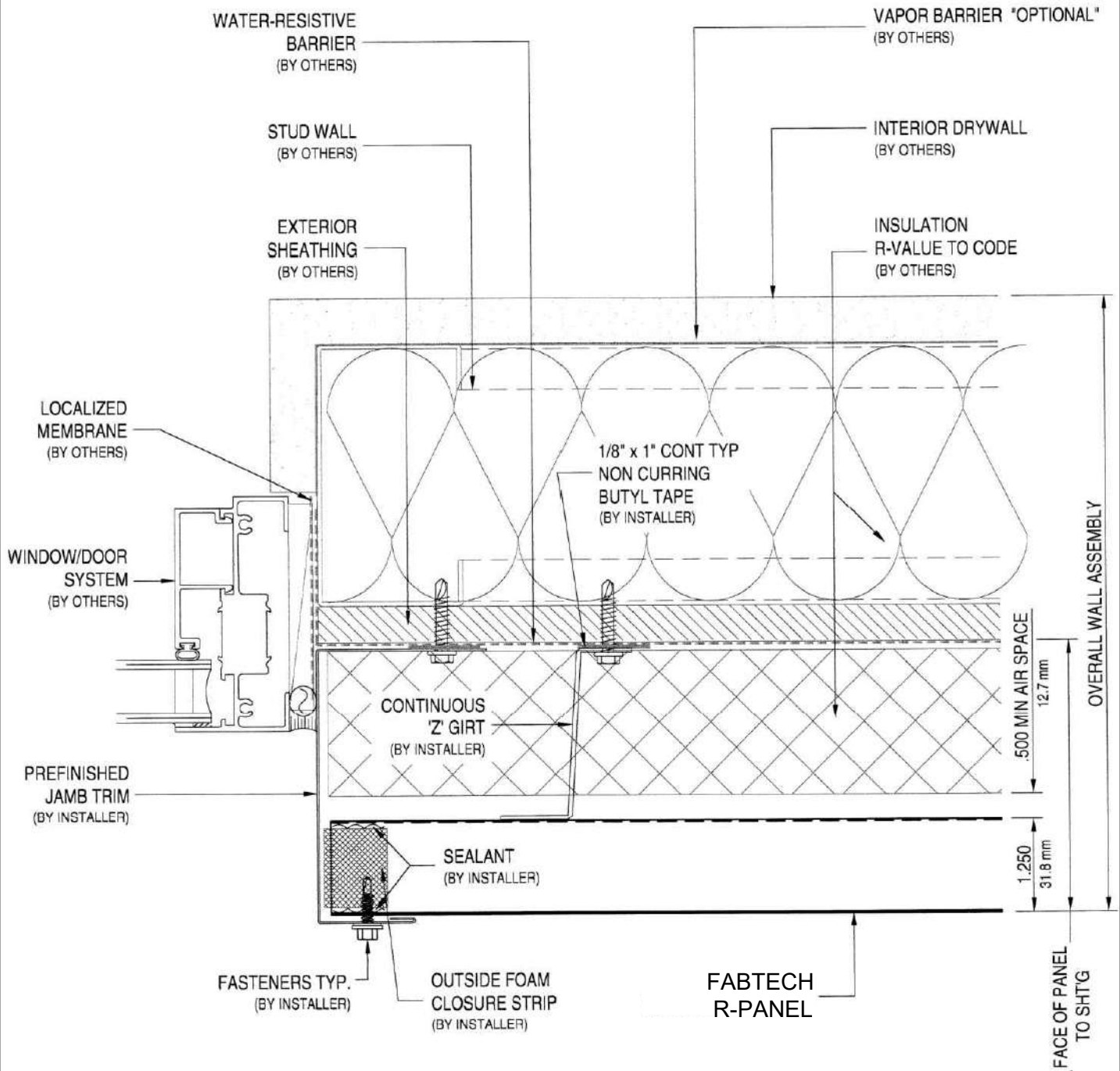


FABTECH R-PANEL - WINDOW JAMB DETAIL

HR - H7.1



WALL ASSEMBLY TYPE 2



H7.2

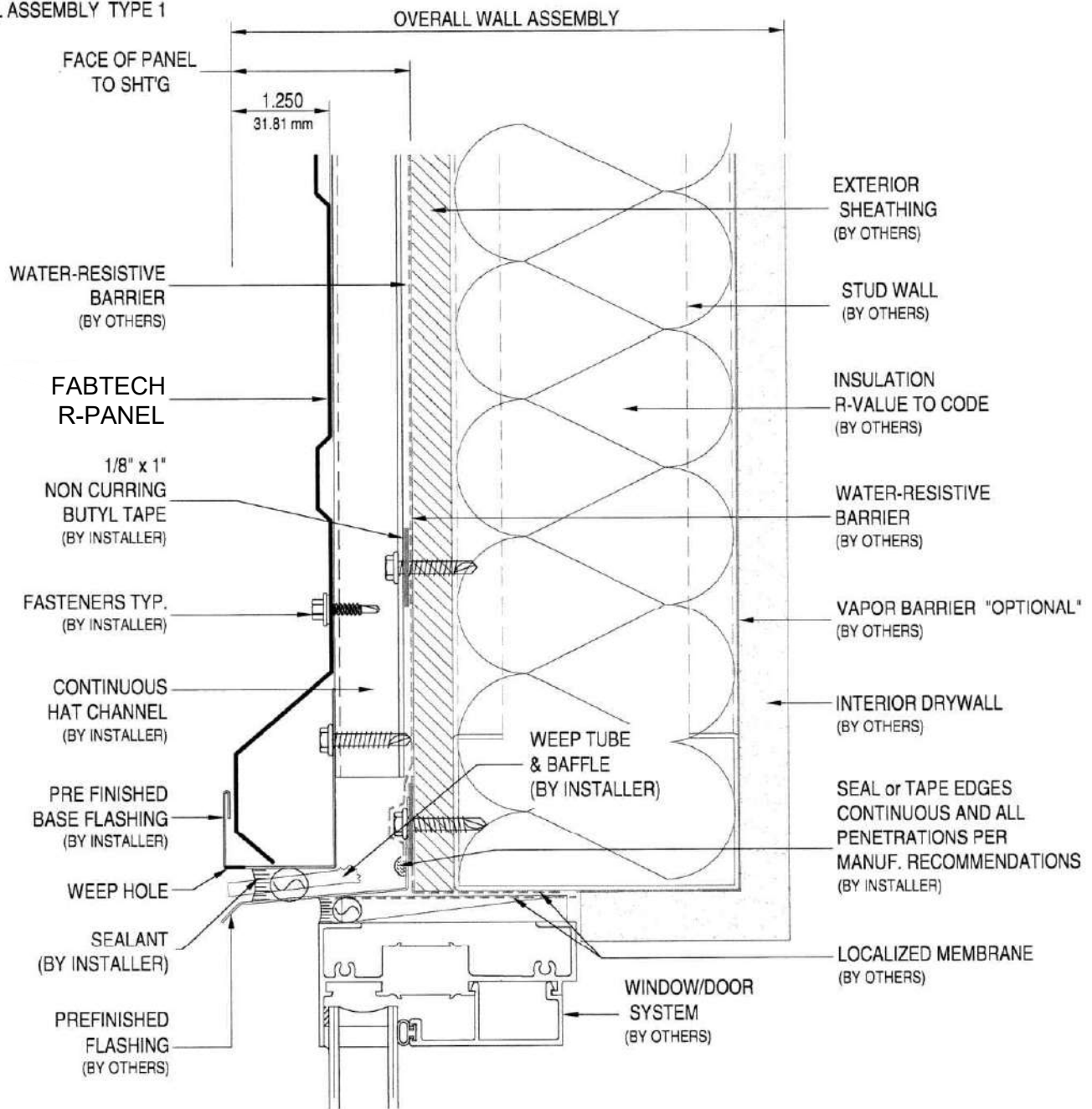


FABTECH R-PANEL - WINDOW JAMB DETAIL

HR - H7.2



WALL ASSEMBLY TYPE 1



H8.1

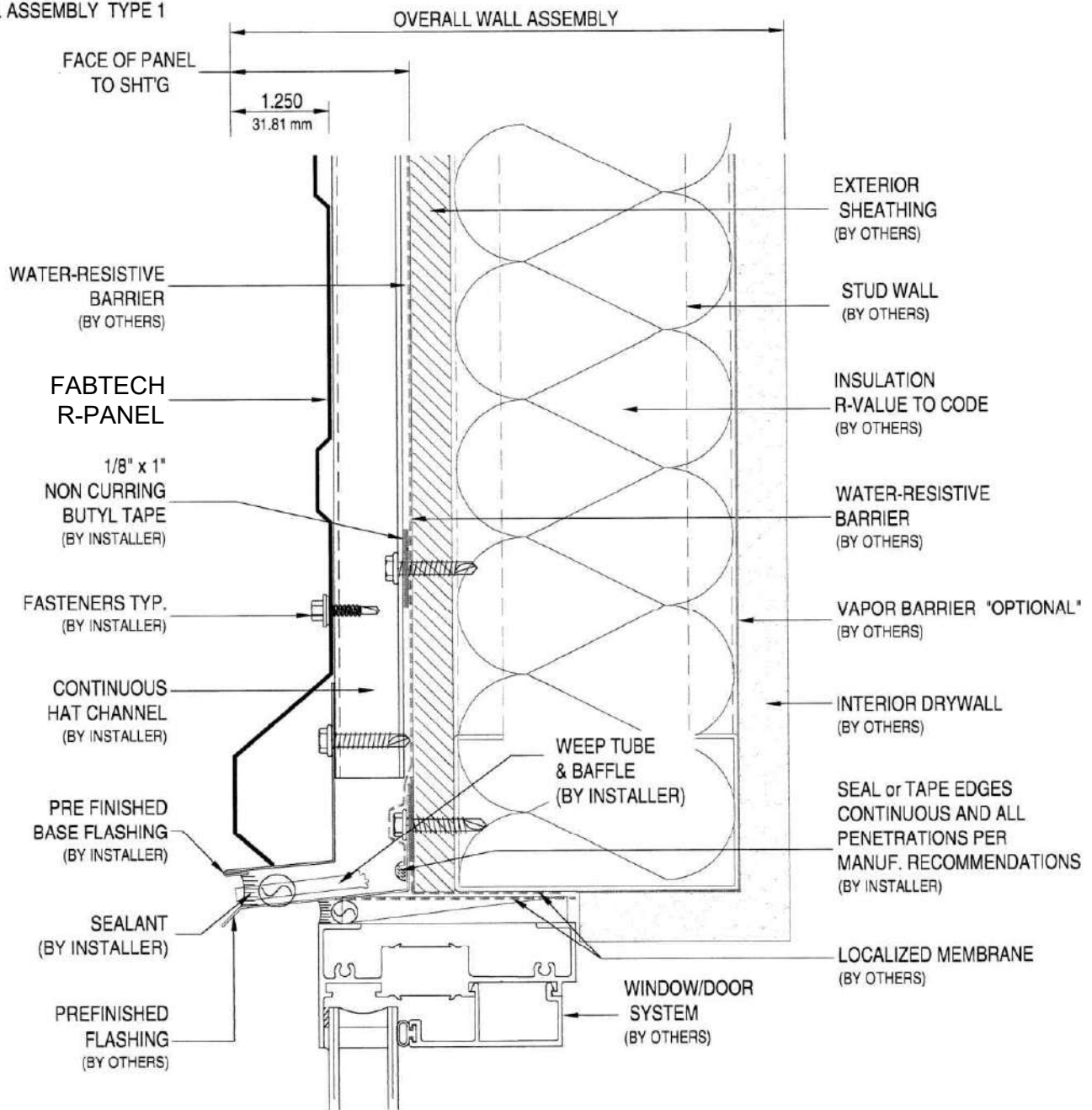


FABTECH R-PANEL - WINDOW HEAD DETAIL

HR - H8.1



WALL ASSEMBLY TYPE 1



(H8.1) OPTION A

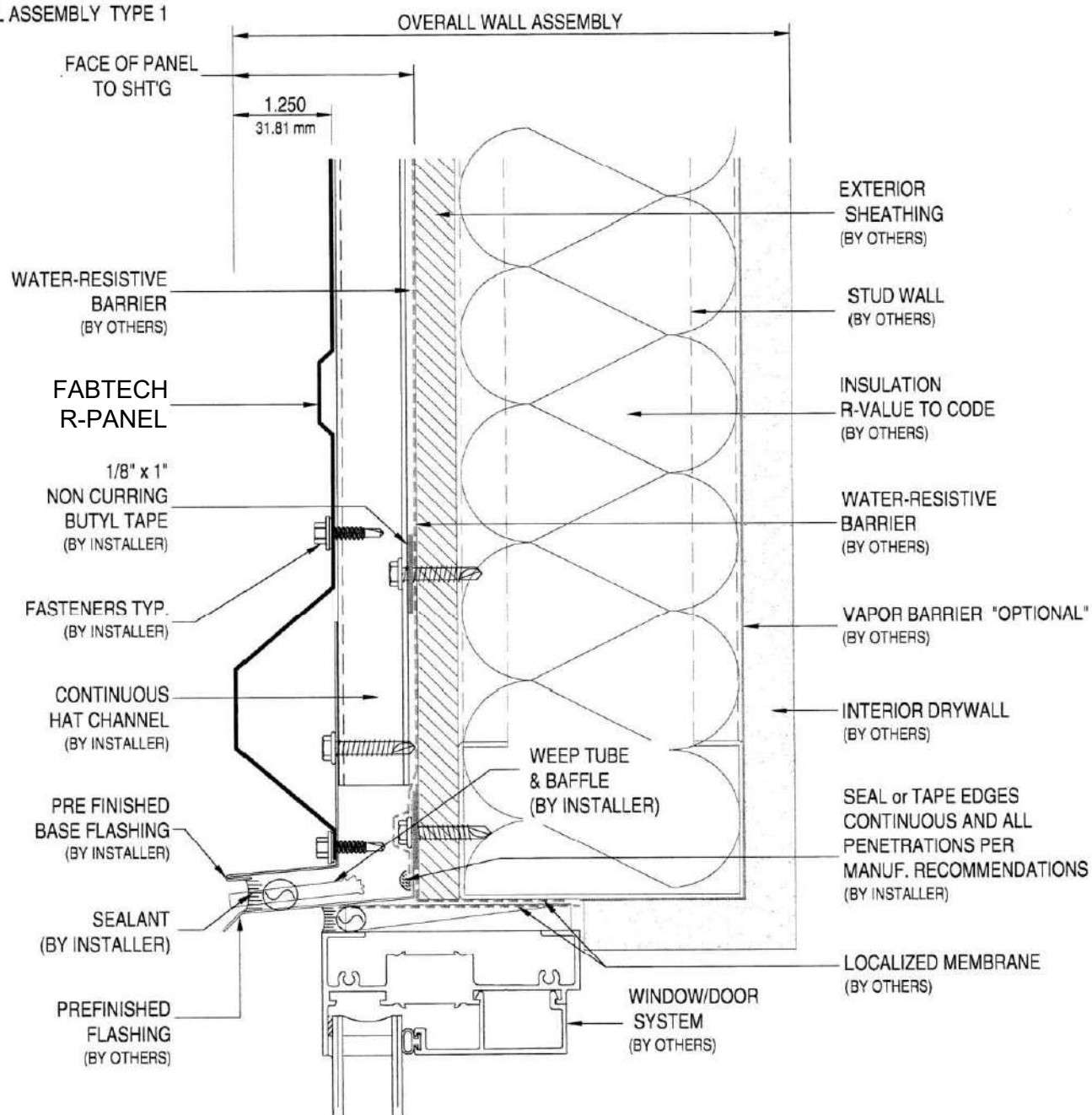


FABTECH R-PANEL - WINDOW HEAD DETAIL

HR - H8.1A



WALL ASSEMBLY TYPE 1



(H8.1) OPTION B

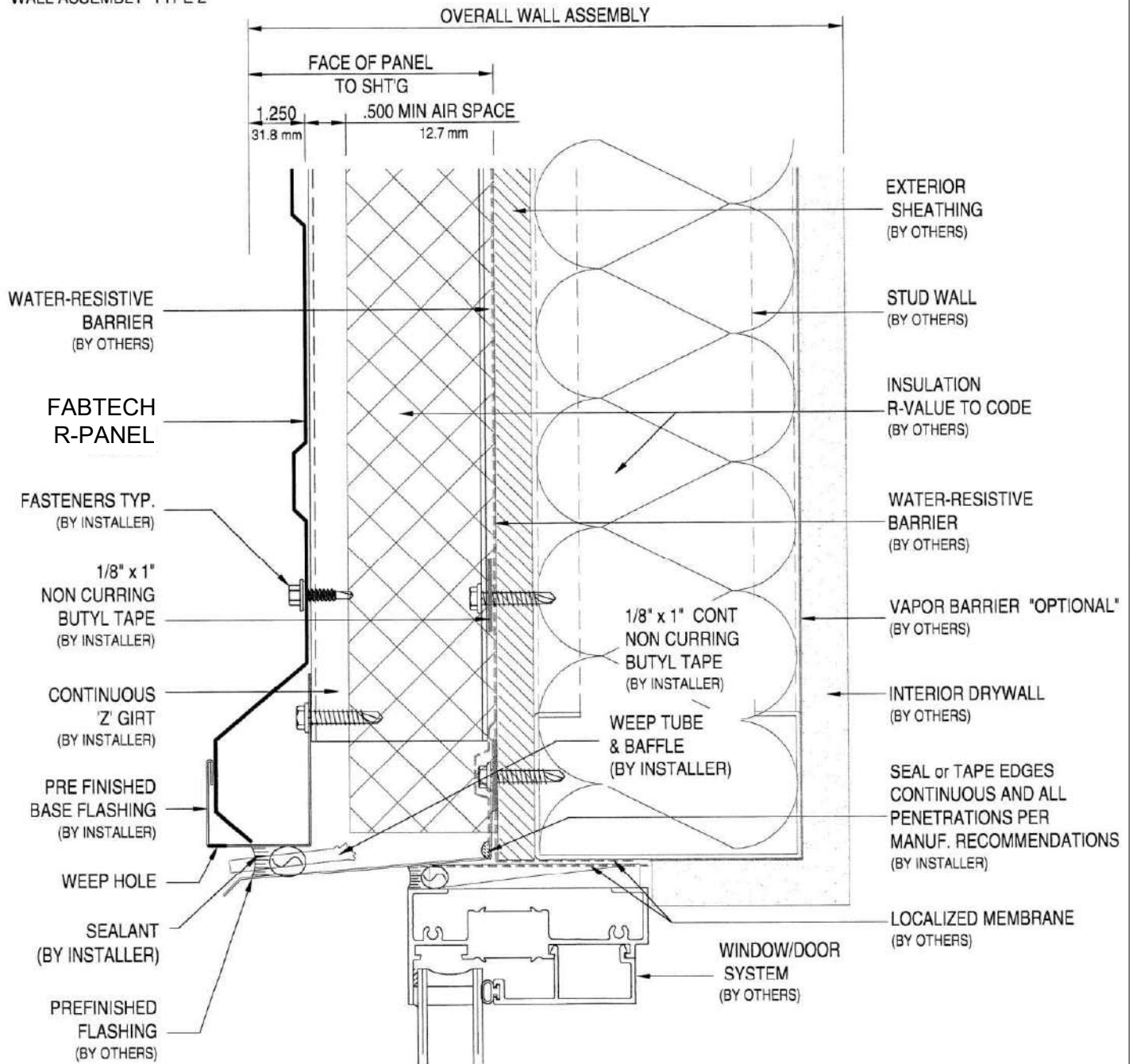


FABTECH R-PANEL - WINDOW HEAD DETAIL

HR - H8.1B



WALL ASSEMBLY TYPE 2



H8.2

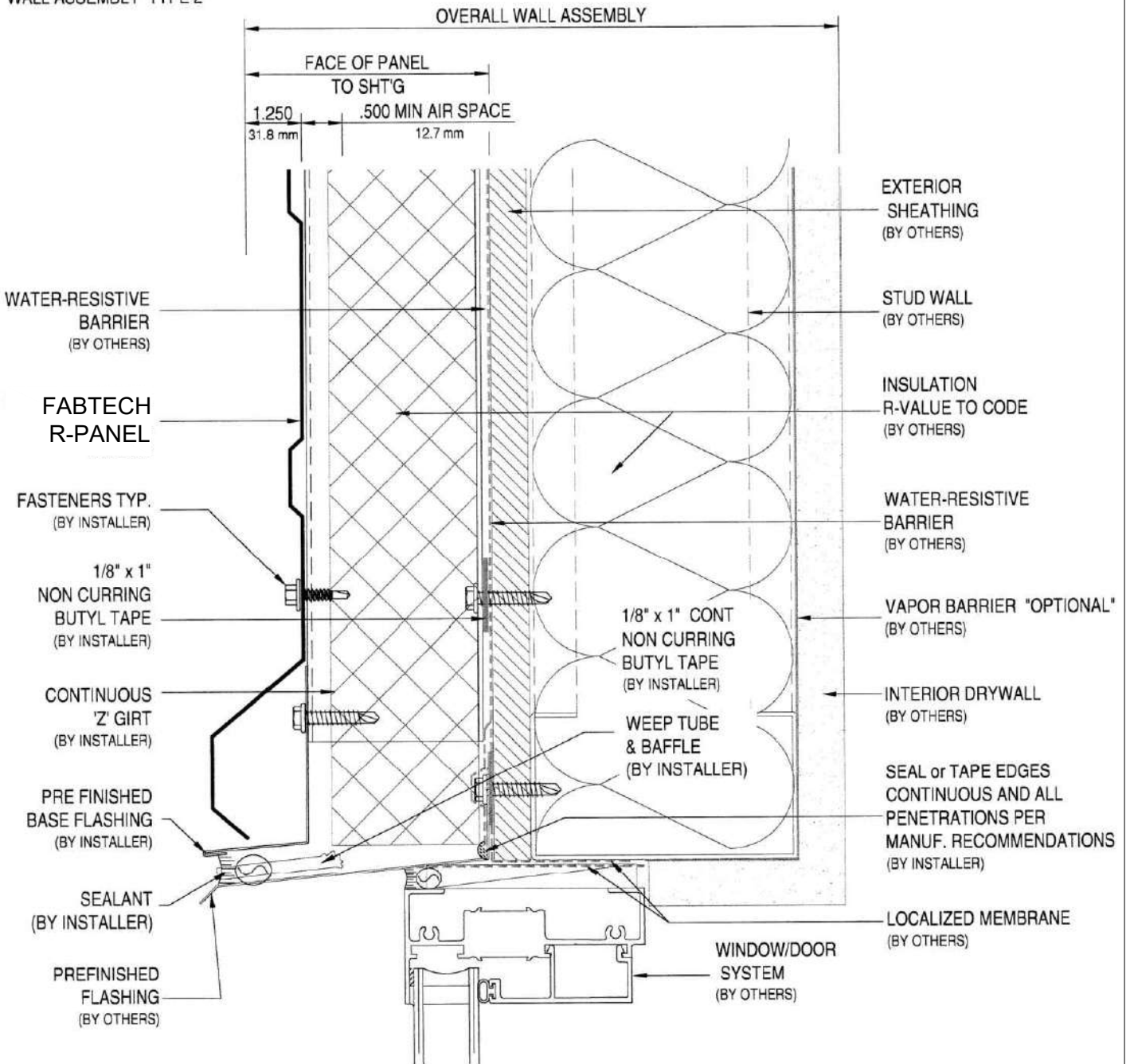


FABTECH R-PANEL - WINDOW HEAD DETAIL

HR - H8.2



WALL ASSEMBLY TYPE 2



H8.2 OPTION A



FABTECH

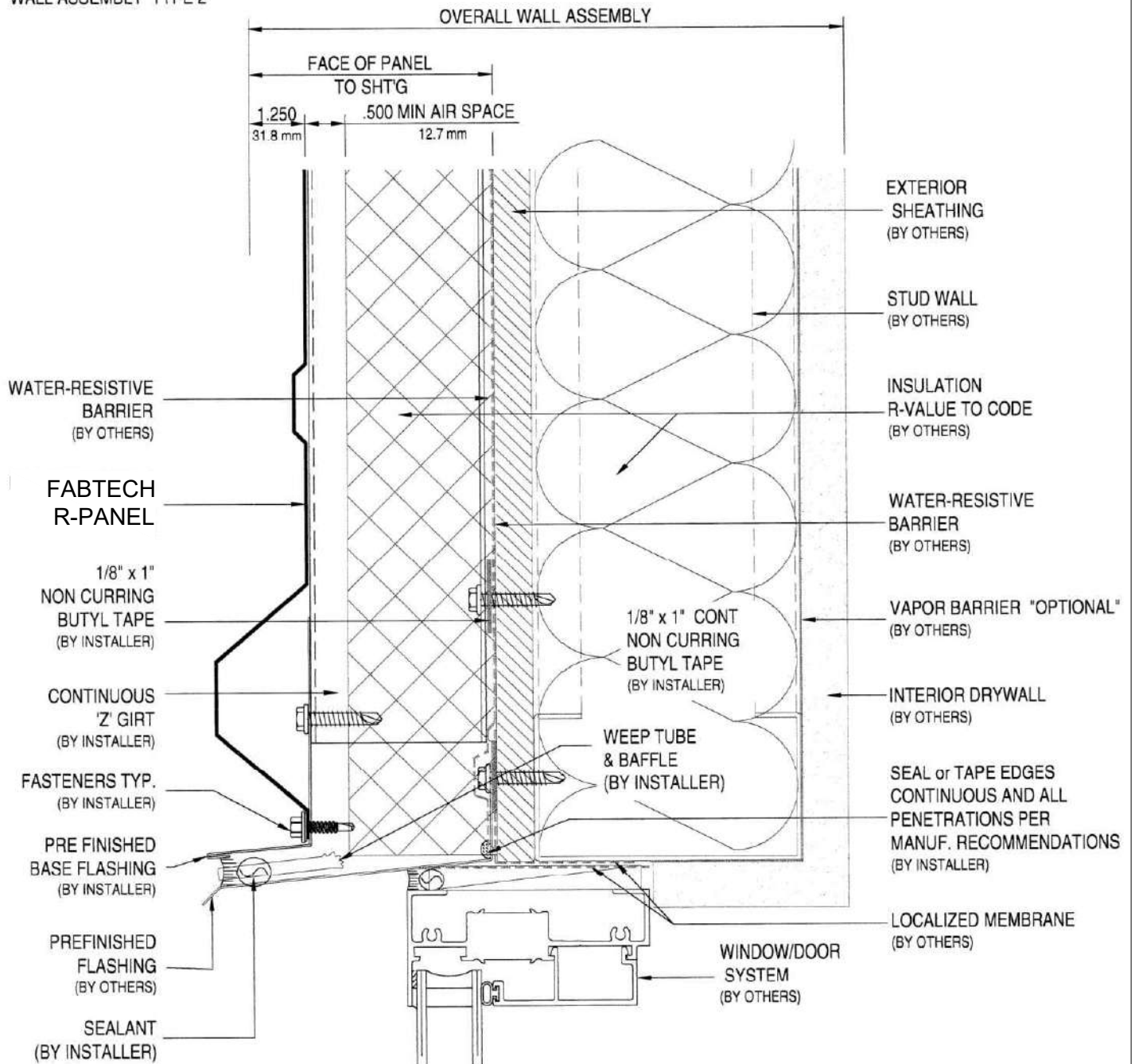
FABTECH R-PANEL - WINDOW HEAD DETAIL

HR - H8.2A



FABTECH

WALL ASSEMBLY TYPE 2



H8.2 OPTION B

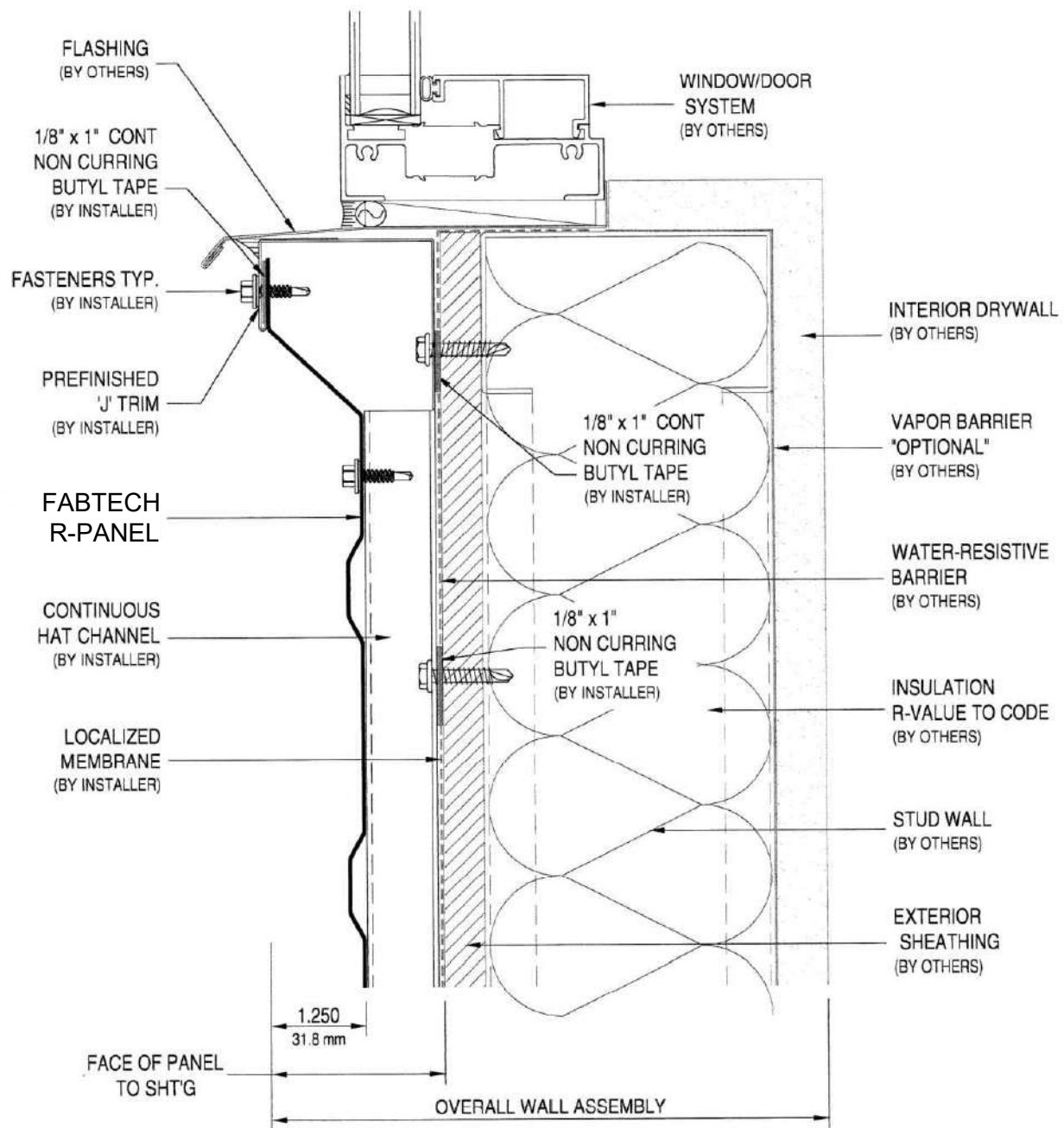


FABTECH R-PANEL - WINDOW HEAD DETAIL

HR - H8.2B



WALL ASSEMBLY TYPE 1



H9.1

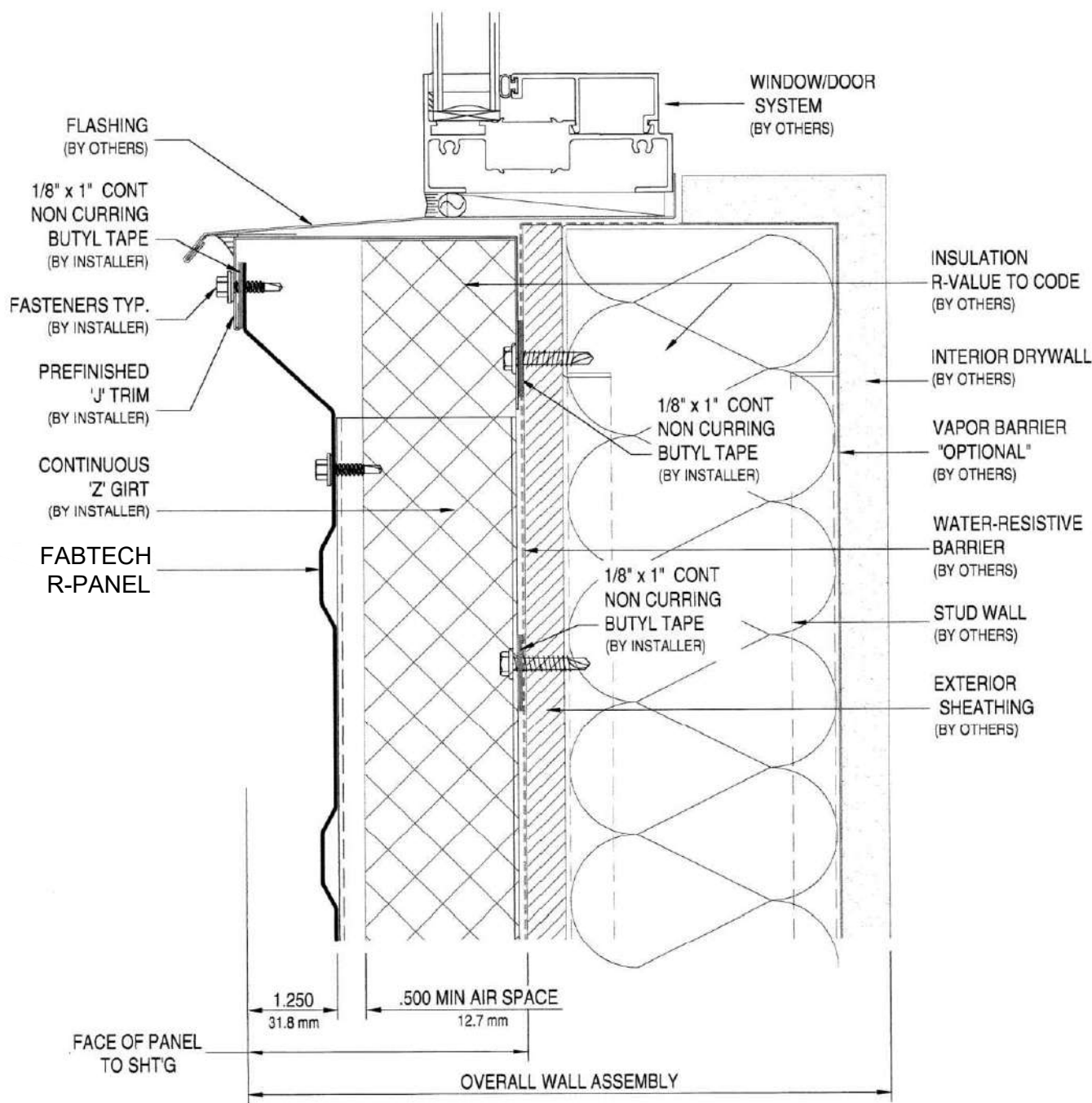


FABTECH R-PANEL - WINDOW SILL DETAIL

HR - H9.1



WALL ASSEMBLY TYPE 2



H9.2



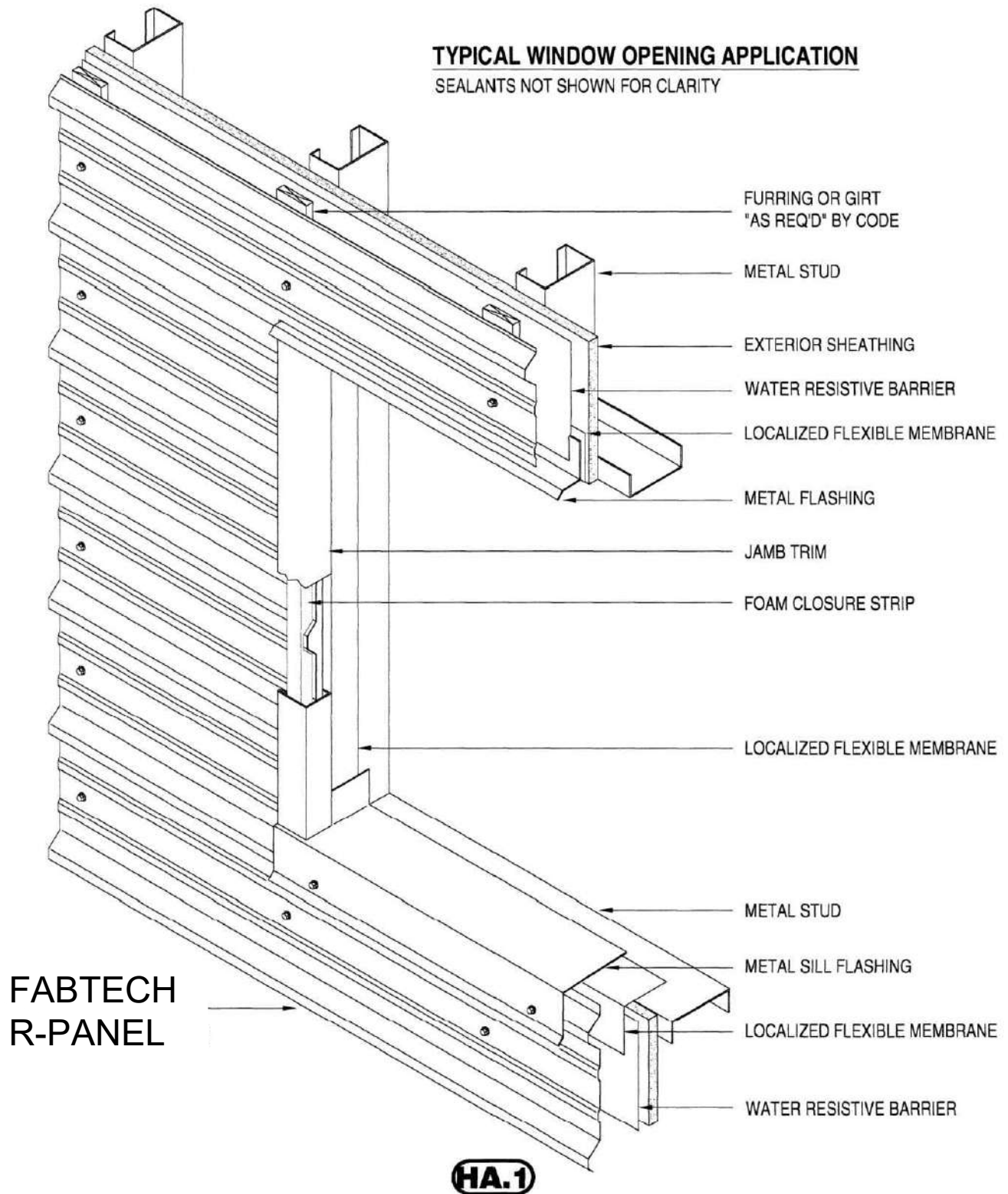
FABTECH R-PANEL - WINDOW SILL DETAIL

HR - H9.2



TYPICAL WINDOW OPENING APPLICATION

SEALANTS NOT SHOWN FOR CLARITY



FABTECH R-PANEL - WDW OPENING

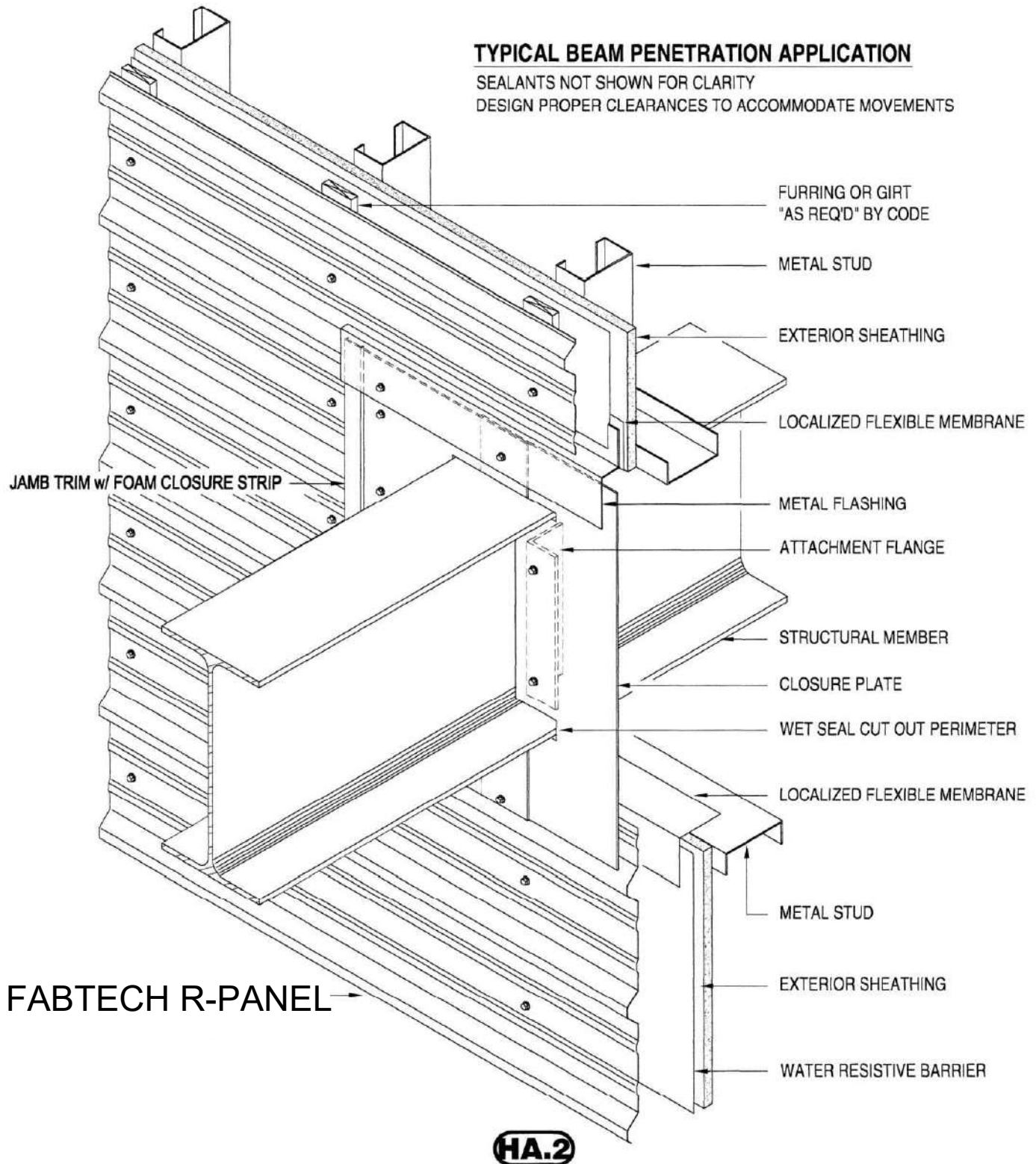
HR - HA.1



TYPICAL BEAM PENETRATION APPLICATION

SEALANTS NOT SHOWN FOR CLARITY

DESIGN PROPER CLEARANCES TO ACCOMMODATE MOVEMENTS



FABTECH R-PANEL - PENETRATION

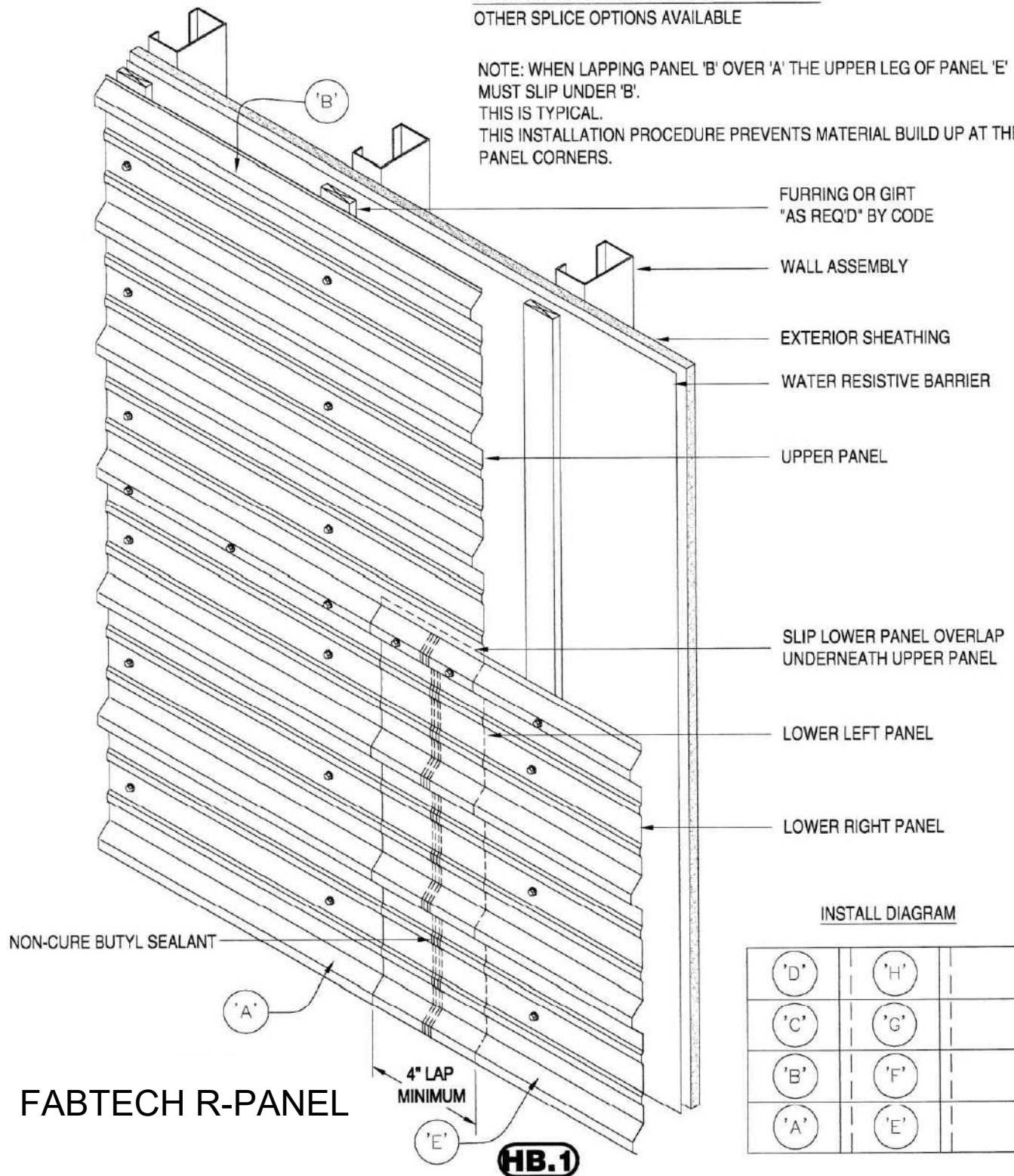
HR - HA.2



TYPICAL PANEL / PANEL OVERLAP

OTHER SPLICE OPTIONS AVAILABLE

NOTE: WHEN LAPPING PANEL 'B' OVER 'A' THE UPPER LEG OF PANEL 'E' MUST SLIP UNDER 'B'. THIS IS TYPICAL. THIS INSTALLATION PROCEDURE PREVENTS MATERIAL BUILD UP AT THE PANEL CORNERS.



FABTECH R-PANEL - PANEL SPLICE

HR - HB.1

