

EXTERIOR ELEVATIONS

Refer to Exhibit A

- Hotel
- Conference | FEC
- Indoor Waterpark
- Lagoon Outbuildings

DURABILITY SPECIFICATIONS OF EIFS MATERIAL

Refer to Exhibit B | Durability & Warranty

- EIFS offers a wide range of finish options over continuous insulation, impact resistant layers of mesh and acrylic base coats, a drainage plane, and a continuous weather barrier on the exterior wall sheathing.
- A “standard” approach to EIFS provides the following impact resistance:
 - a. High: **90-150 inch-pounds** for high traffic areas such as a ground floor
 - b. Medium: 50-89 inch-pounds for areas with limited public access
 - c. Standard: 25-49 inch-pounds for areas inaccessible to the public
- In contrast, the Okana resort basis of design system is Dryvit HDCI (**High Durability Continuous Insulation**). The system employs an Ultra High Impact Mesh Assembly over the entire EIFS cladding wall areas – not just at the ground level to achieve much higher impact resistance over the standard system. This system was selected to provide greater hail resistance in Oklahoma City.
 - a. The HDCI system is significant in its ability resist wall impacts such as a kick, hitting with a hammer or a baseball bat, lawn maintenance, shopping carts blowing across the parking lot and the like (*refer to powerpoint video*).
 - b. The Ultra-High Impact classification when tested and measured by the EIFS industry adopted testing standard measures **352 in-pounds of force resistance**. This is the maximum the testing equipment / protocol can support.
- The project specifications require code required special inspections of the water-resistive barrier coating over the sheathing and stringent field quality control measures (*refer to specification section 07 2400 EIFS*).

WARRANTY OF EIFS MATERIAL

Refer to Exhibit B | Durability & Warranty

- The manufacturer will warrant the HDCI EIFS for a 20-year period against impact damage from normal wear and tear / exposure. If an impact damage is experienced, the manufacturer will take care of the repair at no cost to the owner during the 20-year warranty period.

9.1 | ARCHITECTURAL REGULATIONS | PUD EXHIBIT EIFS MATERIAL FOR RESORT BUILDINGS DESIGNED BY ADCI



DETAILS OF THE EIFS MATERIAL TO BE USED

Refer to Exhibit B | Cutaway Detail, which illustrates the layers of the HDCI system:

Refer to Exhibit C | EIFS HDCI System Manufacturer's Standard Details

- A continuous fluid-applied weather barrier is installed on the exterior building sheathing to protect walls from water and air infiltration.
- The basis of design is a DRAINAGE type system: Vertical ribbons of adhesive and drainage tracks create a drainage plane.
- Rigid foam insulation is adhered to provide continuous insulation and energy efficiency.
- The subsequent acrylic-polymer base coats and reinforcing meshes provide impact resistance.
- Openings and terminations have added layers of embedded reinforcing mesh for durability.
- The finished topcoat is an integrally colored and textured acrylic polymer with “dirt pickup resistance” properties.

PERCENTAGE OF EACH BUILDING FAÇADE USING EIFS ON THE EXTERIOR

Refer to Exhibit D | Percent EIFS Calculations

Over the past two decades, ADCI has designed numerous large-scale resorts across the United States with Exterior Insulation and Finish Systems (EIFS) with successful in-service performance.

20-111 Okana Indoor Waterpark Resort | Exhibit D
Exterior EIFS (Exterior Insulation & Finish System)
Percentage Calculations | 12.20.2022



AREA C | CONFERENCE | FEC

	North			East			West			South			Total Building	
Other	8,205	43%		636	5%		3,854	48%		8,194	75%		20,889	42%
EIFS	10,874	57%		11,425	95%		4,231	52%		2,786	25%		29,316	58%
Total	19,079	100%		12,061	100%		8,085	100%		10,980	100%		50,205	100%

AREA H | HOTEL

	North			East			West			South			Total Building	
Other	27,016	60%		4,258	38%		2,263	21%		27,385	60%		60,922	54%
EIFS	17,715	40%		6,861	62%		8,736	79%		18,556	40%		51,868	46%
Total	44,731	100%		11,119	100%		10,999	100%		45,941	100%		112,790	100%

AREA W | INDOOR WATERPARK

	North			East			West			South			Total Building	
Other	2,996	22%		4,727	24%		6,017	32%		3,020	23%		16,760	26%
EIFS	10,490	78%		14,743	76%		12,765	68%		10,017	77%		48,015	74%
Total	13,486	100%		19,470	100%		18,782	100%		13,037	100%		64,775	100%

AREA L | LAGOON BUILDING "A" RESTROOMS & CHANGING

	North			East			West			South			Total Building	
Other	419	66%		392	81%		486	100%		398	62%		1,695	75%
EIFS	220	34%		94	19%		0	0%		241	38%		555	25%
Total	639	100%		486	100%		486	100%		639	100%		2,250	100%

AREA L | LAGOON BUILDING "B" TICKETING & RETAIL

	North			East			West			South			Total Building	
Other	514	94%		587	73%		343	64%		395	72%		1,839	76%
EIFS	32	6%		218	27%		195	36%		151	28%		596	24%
Total	546	100%		805	100%		538	100%		546	100%		2,435	100%

AREA L | LAGOON BUILDING "C" CHANGING, LOCKERS, AND MECHANICAL

	North			East			West			South			Total Building	
Other	897	100%		435	54%		317	39%		388	42%		2,037	59%
EIFS	0	0%		365	46%		502	61%		541	58%		1,408	41%
Total	897	100%		800	100%		819	100%		929	100%		3,445	100%

AREA L | LAGOON BUILDING "D" GRILL & RESTROOM

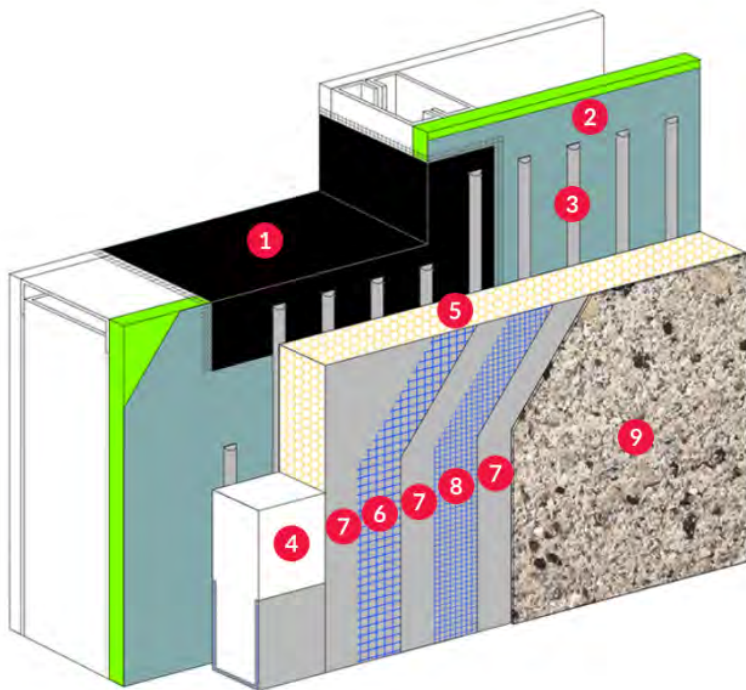
	North			East			West			South			Total Building	
Other	431	62%		630	70%		630	70%		724	100%		2,415	75%
EIFS	263	38%		267	30%		268	30%		0	0%		798	25%
Total	694	100%		897	100%		898	100%		724	100%		3,213	100%

AREA L | LAGOON BUILDING "E" SWIM UP BAR

	North			East			West			South			Total Building	
Other	281	100%		384	100%		384	100%		281	100%		1,330	100%
EIFS	0	0%		0	0%		0	0%		0	0%		0	0%
Total	281	100%		384	100%		384	100%		281	100%		1,330	100%

OUTSULATION® HDCI

A highly durable exterior cladding system with continuous insulation



- 1 Dryvit/Tremco Flashing System
- 2 Dryvit/Tremco Air/Water-Resistive Barrier
- Coating
- 3 Adhesive / Drainage Medium
- 4 Pre-Based Starter Board
- 5 Continuous Insulation
- 6 Panzer® 20 Mesh Embedded in Base Coat (High Impact)
- 7 Base Coat
- 8 Reinforcing Mesh (Standard 4.3 oz)
- 9 Finish

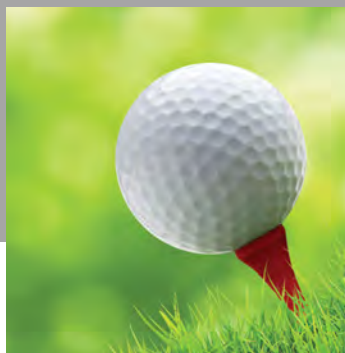
Features

- | | |
|--|--------------------------------|
| • Warrantied Puncture Resistance | • Air/Water-Resistive Barrier |
| • Moisture Drainage | • Waterproof Flashing Material |
| • High-Performance Exterior Insulation | • Warranty |
| • Reinforced Base Coat | • Critical Design Interface |
| • Drainage Track | • NFPA 285 Tested |

20 year warranty

352 inch-pounds of impact resistance

ELIMINATE THEIR IMPACT!



OUTSULATION® HDCl™ SYSTEM

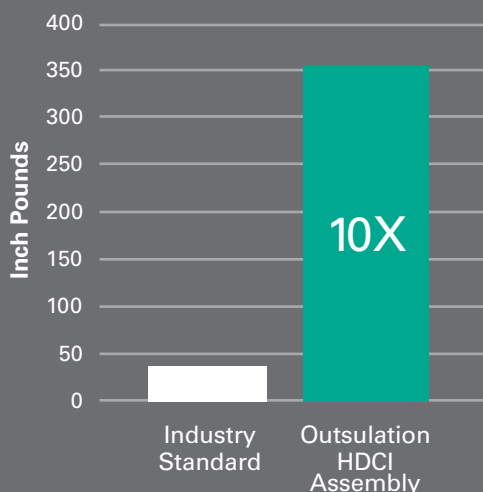
An Outsulation HDCl system is more than just a pretty face... it is one tough wall.

Impact resistance can be a critical design criteria for any building. Outsulation HDCl system delivers design freedom, exceptional performance and a high level of impact resistance with the peace of mind that is backed by a written 20-year performance warranty. If the lamina gets punctured, we will repair it*. Installing a “blanket” of Continuous Insulation (CI) to exterior walls has been repeatedly shown to be significantly more energy efficient than cavity insulation. CI eliminates thermal bridging, which occurs in structural members (both steel and wood). In most states, the use of CI is now required by Code and it is the prescribed approach under ASHRAE 90.1-2013. Increasing the energy efficiency of buildings results in a significantly lower carbon footprint, and equally important, since less energy is consumed, it reduces operating costs.

*Contact Dryvit Systems, Inc. for full warranty details.

10X MORE IMPACT RESISTANT

Comparative Impact Resistance of Reinforcing Meshes



ENGINEERED WALL SOLUTION PROVIDES:

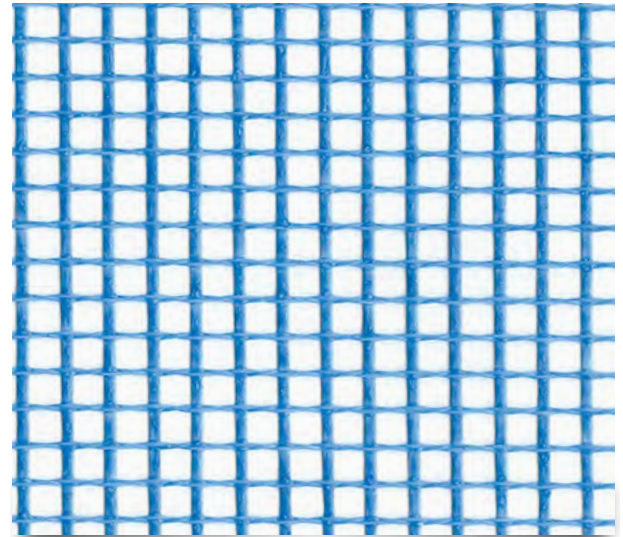
- Warranted Puncture Resistance
- Continuous Insulation (CI)
- Integrated Air and Water-Resistive Barrier
- Critical Design Interface
- NFPA 285 Approved
- Environmental Product Declaration (EPD)
- All from one single source. Dryvit.

DURABILITY

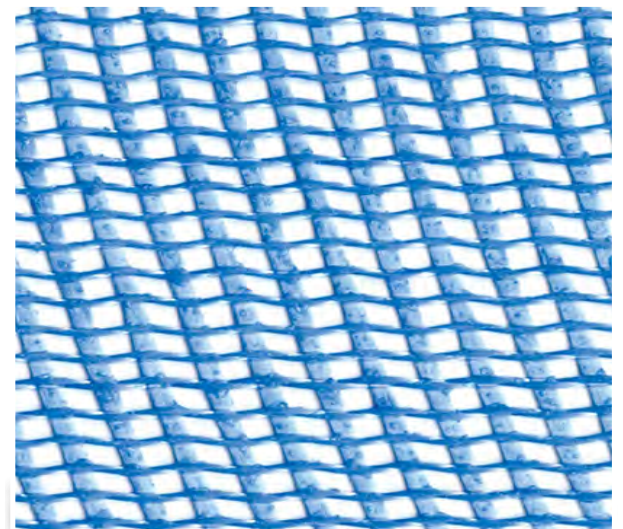
All Outsulation systems incorporate alkali and fire-resistant fiberglass mesh that is embedded into the base coat over the entire surface of the insulation board

This combination provides the primary weather barrier, as well as tensile strength and impact resistance for the system, and these factors all play a critical role in protecting the physical integrity and beauty of the building exterior. The mesh is available in several weights and is specified according to the anticipated level of exposure to potentially damaging impact.

The heaviest and strongest — Panzer 20 Mesh — is intended for use at all ground floor locations and high-traffic areas such as balconies. Hurricane-prone regions may have building codes that require assemblies reinforced with Panzer Mesh. Panzer 20 is also the required mesh in Dryvit's Outsulation HDCl system, which comes with a 20-year puncture resistance warranty. Consult Dryvit's Engineering Department or your local Dryvit representative for more information on these circumstances.



Standard™ Mesh



*Panzer® 20 Mesh
Provides 10 times (1000%)
better impact resistance
than Standard™ Mesh*

DRYVIT REINFORCING MESH OPTIONS:

Standard™ Mesh: Recommended for normal-wear applications on the second story and above

Corner Mesh: Used to reinforce corners and recommended on all ground-floor applications

Intermediate™ Mesh: Recommended for medium-level traffic and impact requirements on the second story and above

Panzer® 20 Mesh: Recommended for all high-traffic areas

THESE INCLUDE:

Fade resistance: High-performance pigments are used to formulate vivid colors that would otherwise be prone to rapid

UV breakdown. This state-of-the-art technology is also VOC and APEO free. Refer to DS269.

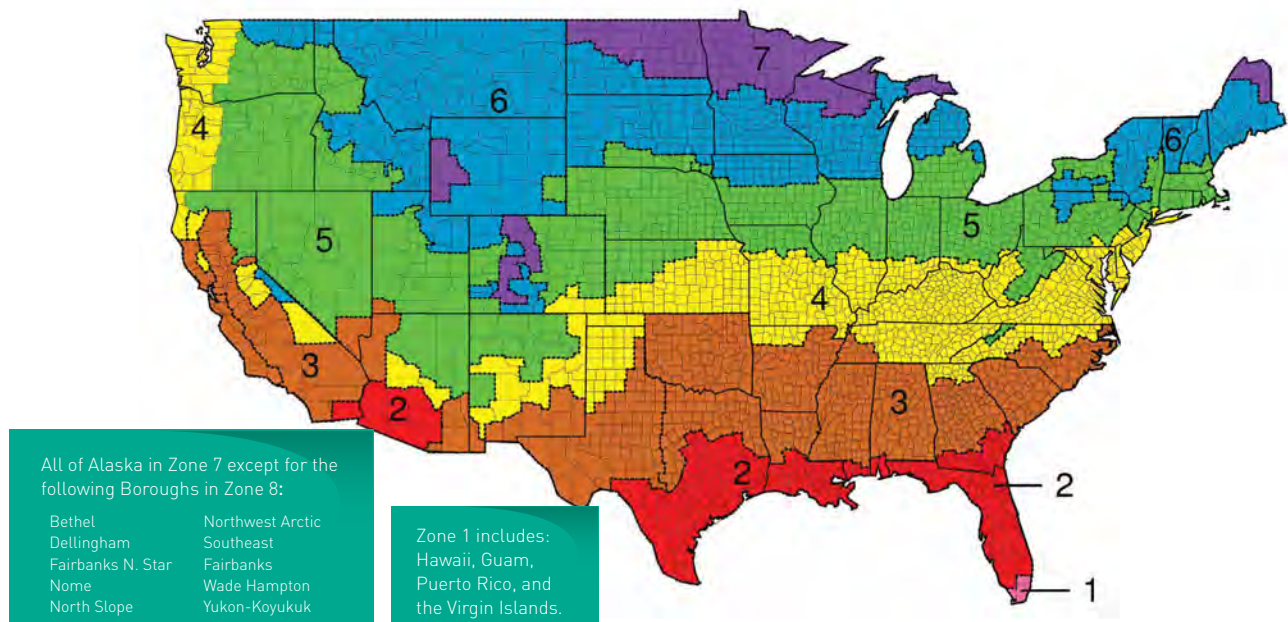
Elasticity: Special elastomeric and proprietary “V Rock” technology is used to provide increased flexibility, which performs exceptionally well when used in finishes applied directly to stucco or other rigid surfaces. Refer to DS249.

Hydrophobicity: Advanced water-repellent technology minimizes dirt accumulation and helps keep the wall looking like new. Refer to DS267.

Mildew resistance: Dryvit’s “PMR” technology utilizes advanced biocides for use in damp or shady environments where algae or mildew growth is likely. Refer to DS223.



Shopping Center
Phoenix, AZ



ENERGY CODES AND CI REQUIREMENTS

The Department of Energy (DOE) has mandated that all states comply with the ASHRAE 90.1-2010 design standard by September 26, 2016, which requires the use of continuous insulation (CI) on commercial buildings in over 90 percent of the United States. Other design standards and codes — such as ASHRAE 189.1, IECC 2012, IgCC 2012; Title 24, (Section 6) and CALGreen — will also require the use of CI, as well as air barriers, as they become adopted. The bottom line is that nearly all new commercial projects in the U.S. will soon require the use of an air barrier and CI as an integral part of exterior wall construction.

CI is much more efficient than the use of insulation in the wall cavity, and 2 inches of CI can have the effective R-value of 8 inches of cavity (batt type) insulation! As such, consider eliminating the use of cavity insulation altogether by using the right amount of CI to meet your total exterior wall insulation goals. An empty wall cavity improves airflow and reduces the dirt and moisture retention associated with batt insulation.

Rigid insulation, such as Expanded Polystyrene (EPS), can also be easily cut and shaped to provide dramatic architectural details and design effects, such as reveals, quoins, cornices and trim, that are much more difficult and expensive to achieve with heavier materials. Using an Outsulation system to combine the design flexibility and CI benefits of EPS is unique and extremely cost-effective.



Ronald McDonald House
Salt Lake City, UT



Sarkis & Siran Gabrellian
Child Care Learning
Center
Hackensack, NJ

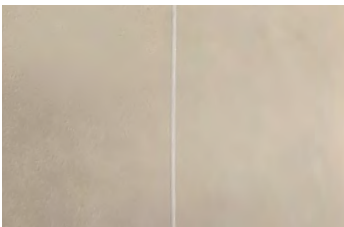
AESTHETICS

The perfect solutions for any design.

Dryvit Outsulation systems offer unlimited design flexibility to suit any architectural style, and are available with a wide range of finishes that can be customized to meet virtually any color or texture desired.

The ability to easily create a vast array of architectural designs using decorative shapes and reveals is one of the hallmarks of an Outsulation system.

VENEERS



Limestone



Traditional Plaster Renders



Bellagio
Las Vegas, NV



The Stratford
Cincinnati, OH

FINISHES

Textured Finishes

Dryvit also offers numerous finish textures more commonly associated with the look of stucco, concrete and limestone. Made from a blend of 100 percent acrylic polymers, high-performance pigments, natural aggregates and utilizing DPR (Dirt Pickup Resistant) chemistry, they are beautiful, durable, and can be stained after drying to provide a dazzling old-world or antique look.



Retail Center
Sioux Falls, SD

AVAILABLE IN A WIDE VARIETY OF STANDARD TEXTURES



Sandpebble™



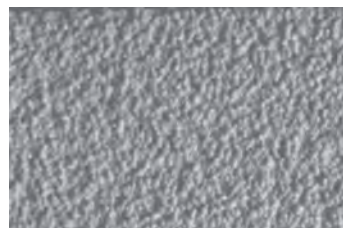
Sandpebble Fine™



Quarzputz®



Freestyle®



Sandblast®



PERFORMANCE ENHANCEMENTS

MULTIPLE BENEFITS OF USING OUTSULATION SYSTEMS

Using Outsulation Systems can reduce material use, shorten construction time, and lower building operating costs, and architects, contractors and building owners enjoy these measurable benefits every day. Fred Quinn of Quinn & Associates is one such architect. He chose the Outsulation Plus MD system for the Metro Career Academy in Oklahoma City, and exceeded the expectations of the project stakeholders by using the energy efficient, design-flexible, single-source cladding.

Brick is so common in Oklahoma City that a section of the city is actually nicknamed “Bricktown,” so it was logical that the original design of the Metro Career Academy building specified 24,000 square feet of clay brick and 13,000 square feet of cast stone. Knowing the high price for both these materials and their installation, Quinn was open to considering a more cost-effective and sustainable solution, as long as his aesthetic intent could be maintained. Dryvit’s Outsulation Plus MD System with Custom Brick™ and Limestone™ finish fully met both objectives.



Find out more and watch a video case study

Architect:
Quinn & Associates
Oklahoma City, OK

General Contractor:
CMS Willowbrook
Oklahoma City, OK

Dryvit Applicator:
DMG Masonry
Arlington, TX

EXHIBIT C | EIFS HDCI | MANUFACTURER'S STANDARD DETAILS

SPECIFIED ON OKANA HOTEL, CONFERENCE | FEC, INDOOR WATERPARK, AND LAGOON OUTBUILDINGS

Outsulation[®] HDCI[™] System



A Highly Durable Exterior Cladding System
that Incorporates Continuous Insulation

DS866

Outsulation HDCI System Installation Details

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NOTE:

DRYVIT AND TREMCO MAKES NO REPRESENTATION REGARDING CONFORMITY OF ITS SUGGESTIONS TO MODEL BUILDING CODES, ENGINEERING CRITERIA, SPECIFIC APPLICATIONS, OR PROJECT LOCATIONS. ALL COMPONENTS INDICATED IN ILLUSTRATIONS, AS WELL AS OTHERS THAT MAY BE REQUIRED FOR THE INTEGRITY OF THE SYSTEM SHALL BE DESIGNED, DETAILED, AND ENGINEERED BY REPRESENTATIVES OF THE ARCHITECT, OWNER, OR CONTRACTOR TO BE IN CONFORMANCE WITH MODEL CODES, ARCHITECTURAL, AND ENGINEERING REQUIREMENTS PERTAINING TO SPECIFIC BUILDING PROJECTS.

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THE LIABILITIES OF DRYVIT AND TREMCO SHALL BE AS STATED IN THE DRYVIT STANDARD WARRANTY. CONTACT DRYVIT AND TREMCO FOR A FULL AND COMPLETE COPY OF THE WARRANTY.

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Outsulation® HDCI™ System®



Dryvit Technical Support: 800-556-7752

Detail: Table of Contents

Drawn by: KAB

Checked by: CB

Scale: NTS

Date: 10/2021

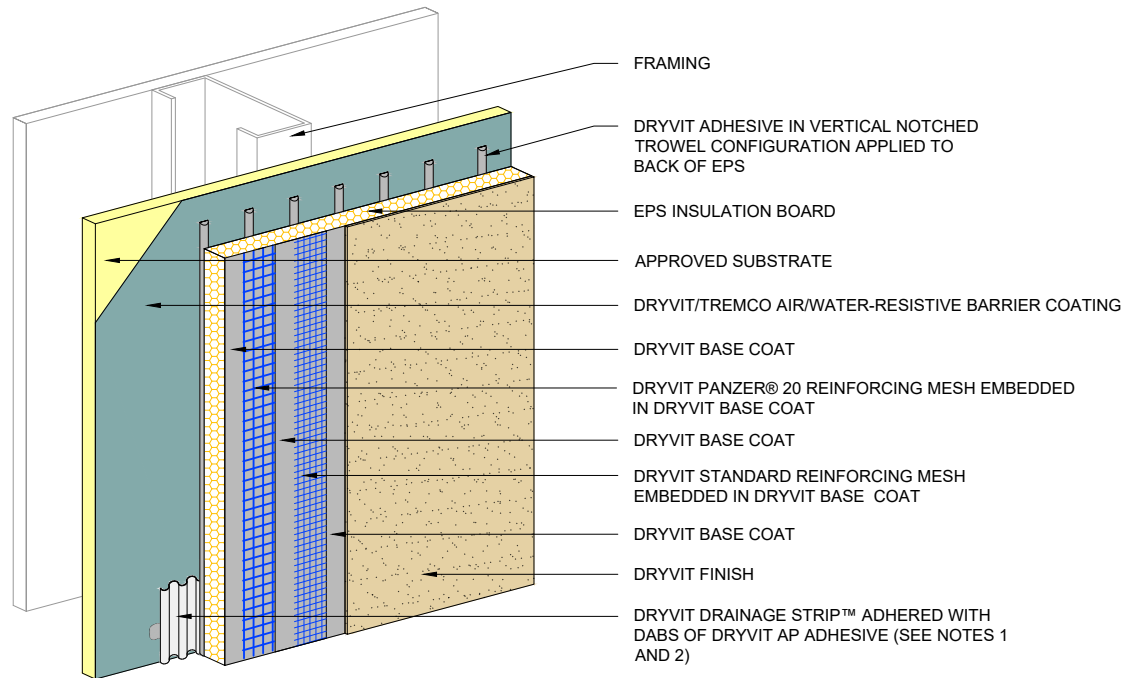
File Name:

TOC



Construction Products Group

www.tremcocpg.com



NOTES:

1. AS AN OPTION DRYVIT DRAINAGE TRACK™ CAN BE USED AT SYSTEM TERMINATION AT GRADE, REFER TO HDCI 9 FOR CONFIGURATION.

2. DRYVIT DRAINAGE TRACK SHALL ONLY BE USED AT GRADE LEVEL TERMINATIONS.

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Outsulation® HDCI™ System®



Dryvit Technical Support: 800-556-7752

Detail: Outsulation® HDCI™ System

Drawn by: KAB

Checked by: CB

Scale: NTS

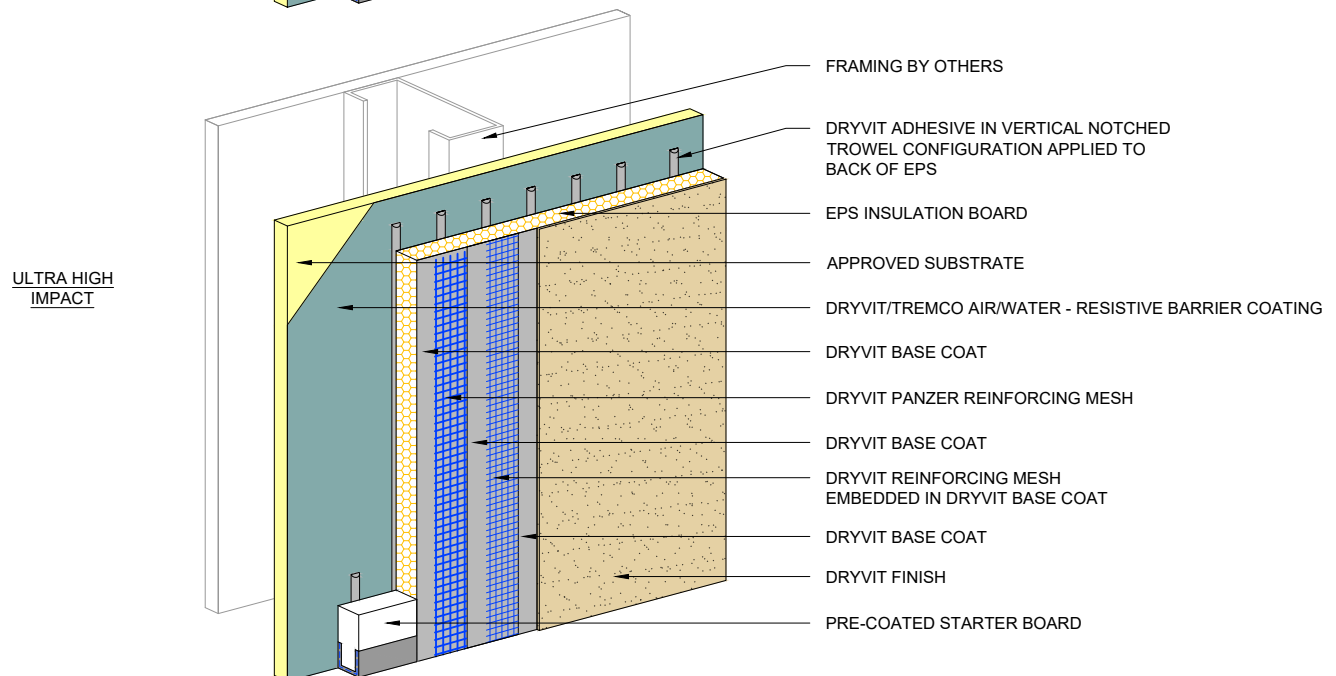
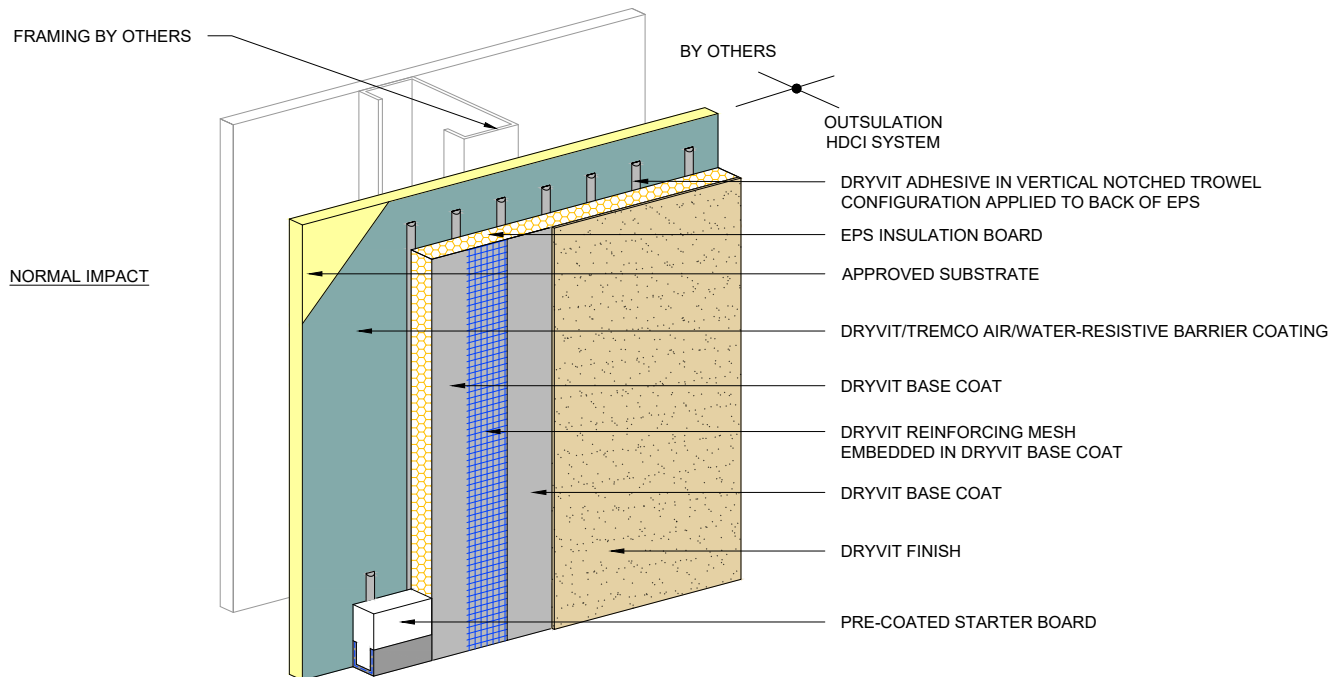
Date: 10/2021

File Name:

HDCI 1



www.tremcocpg.com



NOTE:

1. DRYVIT RECOMMENDS THAT GROUND FLOOR APPLICATIONS AND ALL FACADES EXPOSED TO ABNORMAL STRESS, HIGH TRAFFIC, OR DELIBERATE IMPACT HAVE THE BASE COAT REINFORCED WITH PANZER® MESH PRIOR TO STANDARD OR STANDARD PLUS MESH. LOCATION OF HIGH IMPACT ZONES SHOULD BE INDICATED ON CONTRACT DRAWINGS.

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Outsulation® HDCI™ System®



Dryvit Technical Support: 800-556-7752

Detail: Outsulation® HDCI™ System-Starter Board Option

Drawn by: KAB

Checked by: CB

Scale: NTS

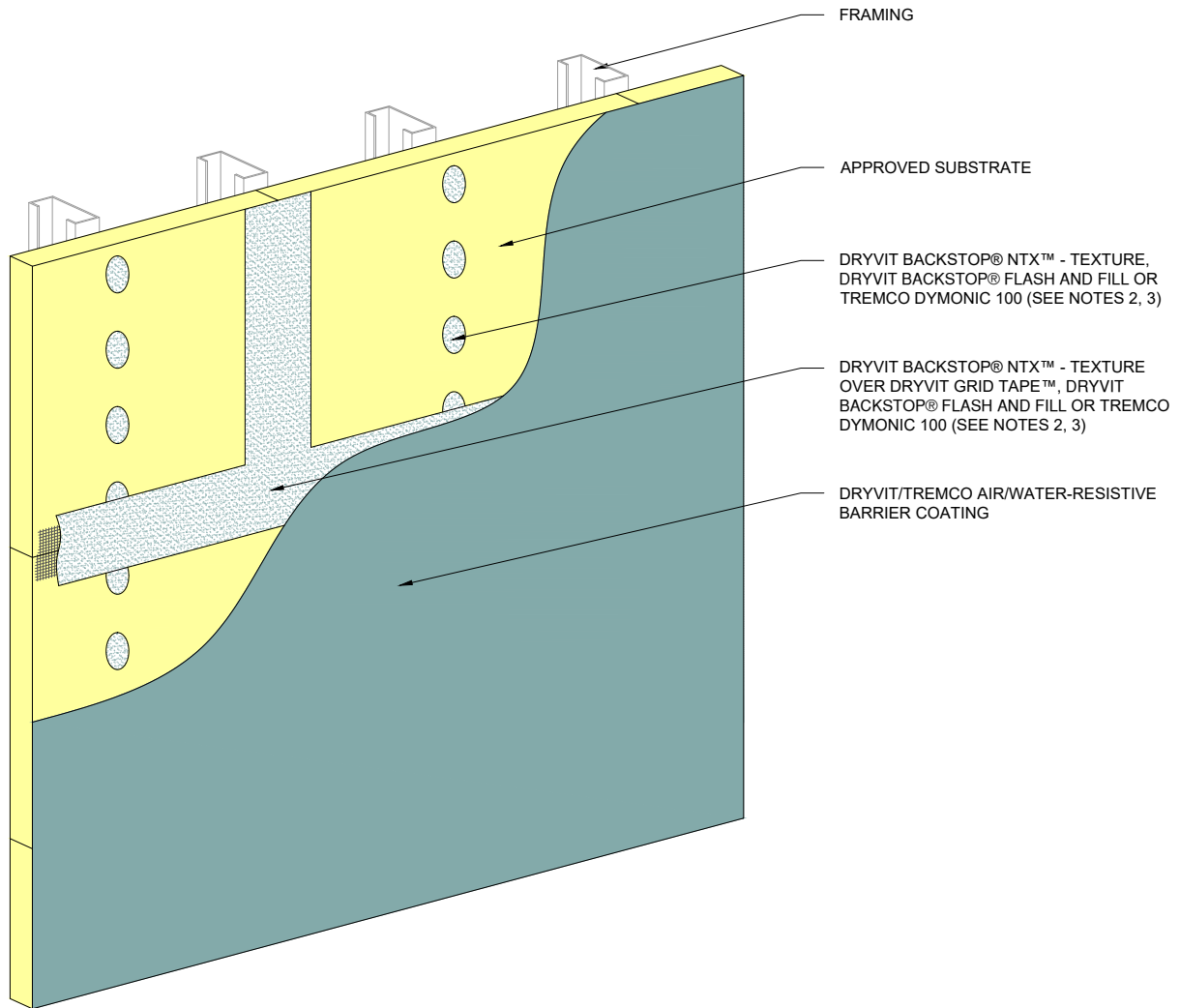
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HDCI 1a



www.tremcocpg.com



NOTES:

1. FOR ADDITIONAL BACKSTOP® NTX™ DETAILS, REFER TO DRYVIT PUBLICATION DS840.

2. REFER TO PRODUCT DATA SHEETS FOR SPECIFIC APPLICATION METHODS.

3. THE ONLY WRB TO BE USED WITH BACKSTOP® FLASH AND FILL IS BACKSTOP® NTX™.

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Outsulation® HDCl™ System®



Dryvit Technical Support: 800-556-7752

Detail: Dryvit/ Tremco AWRB Application

Drawn by: KAB

Checked by: CB

Scale: NTS

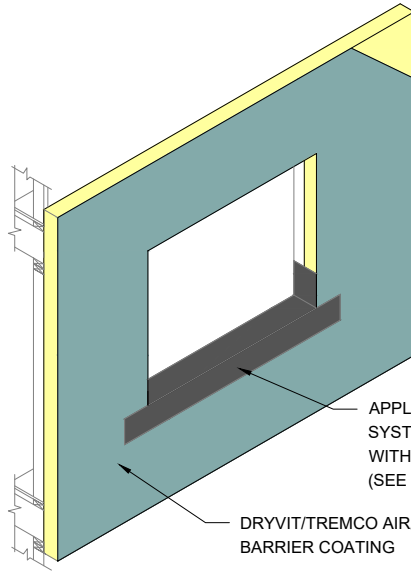
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HDCl 2



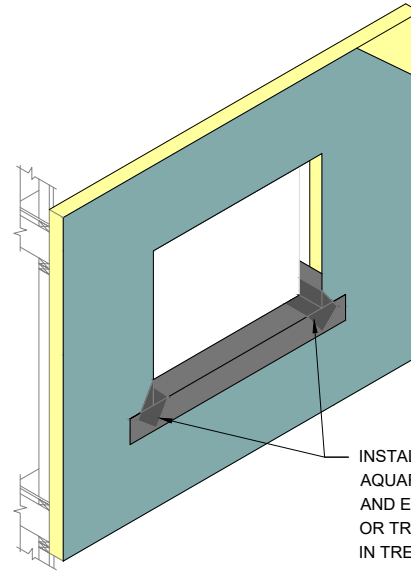
www.tremcocpg.com



APPLY DRYVIT AQUAFLASH®
SYSTEM OR TREMCO EXOAIR 230
WITH TREMCO 2011 MESH
(SEE NOTE 1)

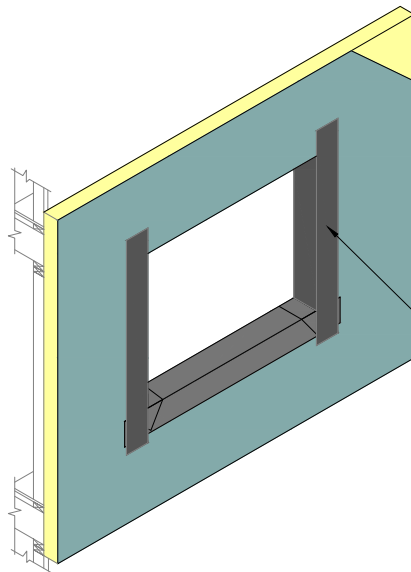
DRYVIT/TREMCO AIR/WATER-RESISTIVE
BARRIER COATING

STEP #1



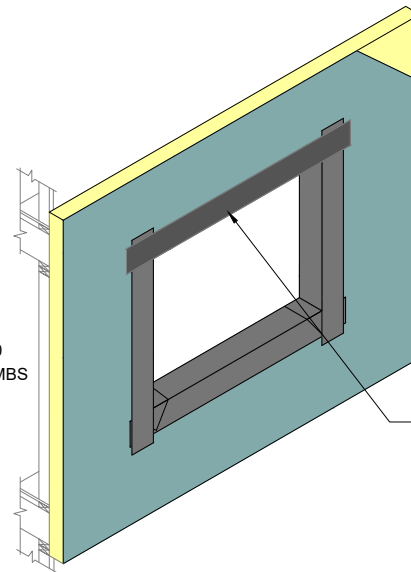
INSTALL DIAGONAL STRIP OF DRYVIT
AQUAFLASH MESH AT CORNERS
AND EMBED IN AQUAFLASH LIQUID
OR TREMCO 2011 MESH EMBEDDED
IN TREMCO EXOAIR 230 (SEE NOTE 1)

STEP #2



INSTALL DRYVIT AQUAFLASH®
SYSTEM OR TREMCO EXOAIR 230
WITH TREMCO 2011 MESH AT JAMBS
(SEE NOTES 1 AND 3)

STEP #3



INSTALL DRYVIT AQUAFLASH®
SYSTEM OR TREMCO EXOAIR
230 WITH TREMCO 2011 MESH
AT HEADS (SEE NOTES 1, 3)

STEP #4

NOTES:

1. DRYVIT AQUAFLASH AND TREMCO EXOAIR 230 WITH MESH SHALL EXTEND TO INTERIOR FACE OF OPENING.

2. REFER TO HEAD, SILL AND JAMB DETAILS FOR FLASHING INTEGRATION.

3. INSTALL WINDOW UNIT AND ASSOCIATED FLASHINGS PER MANUFACTURER'S RECOMMENDATIONS, CODE REQUIREMENTS AND PROJECT DOCUMENTS.

4. REFER TO PRODUCT DATA SHEETS FOR SPECIFIC APPLICATION METHODS.

5. FOR ADDITIONAL BACKSTOP® NTX™ DETAILS, REFER TO DRYVIT PUBLICATION DS840.

The architecture, engineering, and design of the project using the Dryvit and Tremco products are the responsibility of the project's design professional. All products and systems must comply with local building codes and standards. This detail is for general information and guidance only and Dryvit and Tremco specifically disclaims any liability for the use of this detail. The project design professional determines, in its sole discretion, whether this detail or a functionally equivalent detail is best suited for the project. This detail is subject to change without notice. Contact Dryvit and Tremco to ensure you have the most recent version.

Outsulation® HDCI™ System®



Dryvit Technical Support: 800-556-7752

Detail: Opening Preparation - AquaFlash® System or
Tremco ExoAir 230 with Mesh Option

Drawn by: KAB

Checked by: CB

Scale: NTS

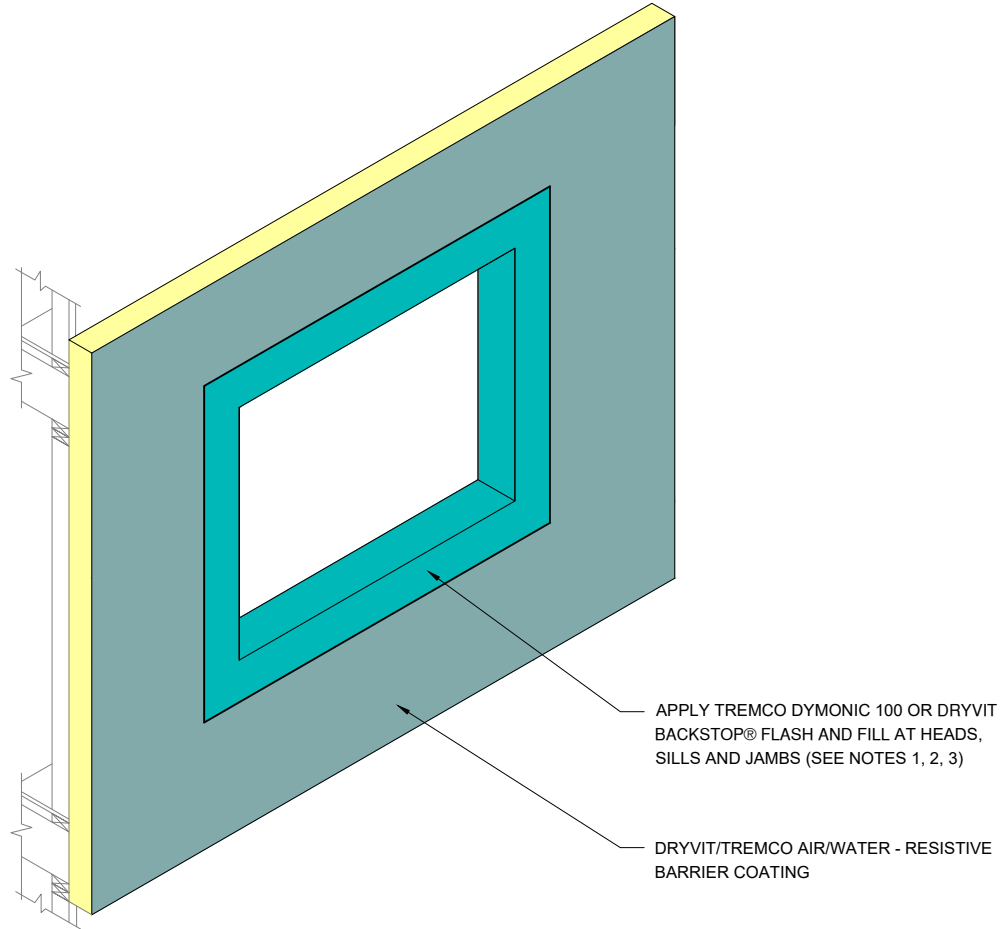
Date: 10/2021

File Name:

HDCI 3



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NOTES:

1. REFER TO HEAD, SILL AND JAMB DETAILS FOR FLASHING INTEGRATION.
2. REFER TO PRODUCT DATA SHEETS FOR SPECIFIC APPLICATION METHODS.
3. THE ONLY WRB TO BE USED WITH BACKSTOP® FLASH AND FILL IS BACKSTOP® NTX™.

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Outsulation® HDCl™ System®



Dryvit Technical Support: 800-556-7752

Detail: Opening Preparation - Tremco Dymonic 100 or Backstop® Flash and Fill Option

Drawn by: KAB

Checked by: CB

Scale: NTS

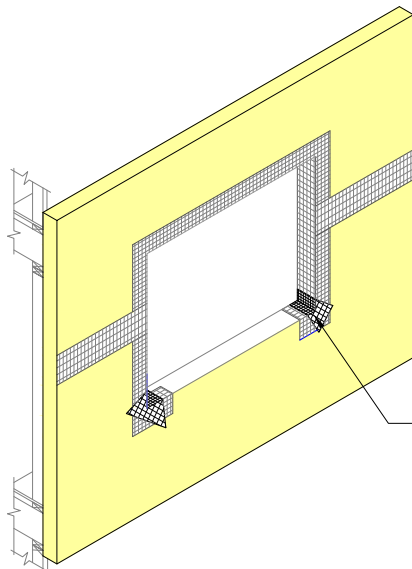
Date: 10/2021

File Name:

HDCl 3a

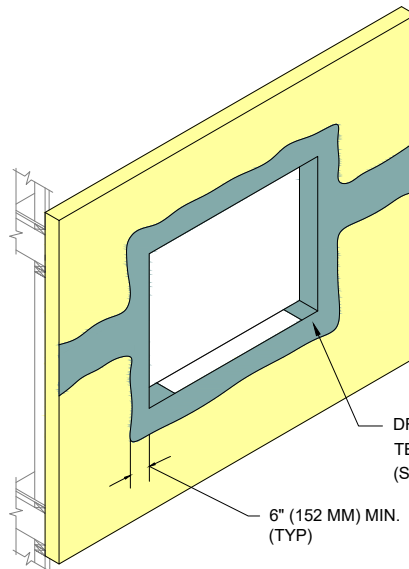


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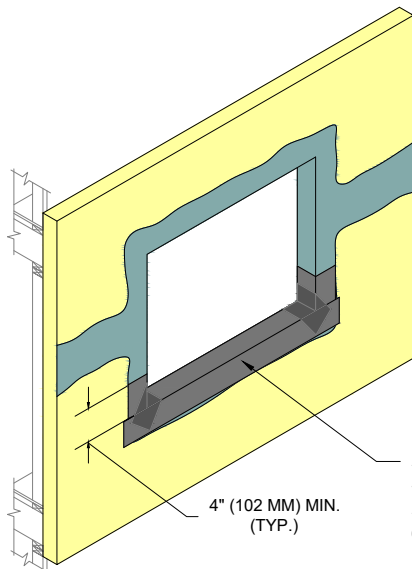
APPLY DRYVIT GRID TAPE™ OR
TREMCO EXOAIR 230 WITH
TREMCO 2011 MESH
(SEE NOTES 1, 2, 6)

STEP #1



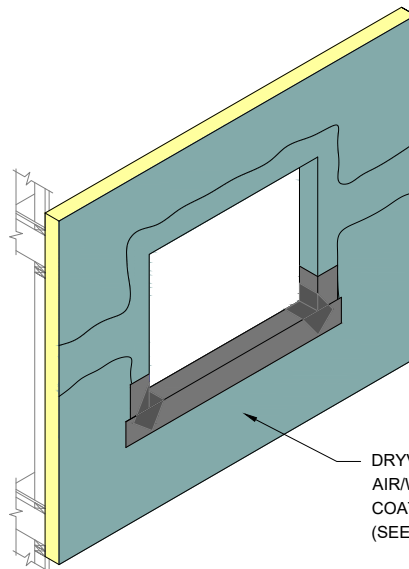
DRYVIT BACKSTOP® NTX™ -
TEXTURE OR EXOAIR 230
(SEE NOTE 2)

STEP #2



APPLY DRYVIT AQUAFLASH®
SYSTEM OR TREMCO EXOAIR
230 WITH TREMCO 2011 MESH
(SEE NOTES 2, 4, 6)

STEP #3



DRYVIT/TREMCO
AIR/WATER-RESISTIVE BARRIER
COATING APPLIED TO FACE OF WALL
(SEE NOTE 4)

STEP #4

NOTES:

1. APPLY DRYVIT GRID TAPE OR TREMCO EXOAIR 230 WITH TREMCO 2011 MESH ON HEAD, JAMB, AND CORNERS OF OPENINGS AND SHEATHING JOINTS.
2. TROWEL APPLY DRYVIT BACKSTOP® NTX™ - TEXTURE OVER THE DRYVIT GRID TAPE OR APPLY TREMCO EXOAIR 230 WITH TREMCO 2011 MESH ALL THE WAY TO INSIDE FACE OF OPENING. ALL VOIDS MUST BE FILLED; MULTIPLE PASSES MAY BE REQUIRED. AS AN OPTION, DRYVIT GRID TAPE AND DRYVIT BACKSTOP® NTX™ - TEXTURE MAY ALSO BE APPLIED AT THE SILL PRIOR TO DRYVIT AQUAFLASH SYSTEM APPLICATION.
3. INSTALL WINDOW UNIT AND ASSOCIATED FLASHINGS PER MANUFACTURER'S RECOMMENDATIONS, CODE REQUIREMENTS AND PROJECT DOCUMENTS.
4. REFER TO HEAD, SILL, AND JAMB DETAILS FOR FLASHING INTEGRATION.
5. FOR ADDITIONAL BACKSTOP® NTX™ DETAILS, REFER TO DRYVIT PUBLICATION DS840.
6. REFER TO PRODUCT DATA SHEETS FOR SPECIFIC APPLICATION METHODS.

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Outsulation® HDCI™ System®



Dryvit Technical Support: 800-556-7752

Detail: Opening Preparation - Backstop® NTX™ Option

Drawn by: KAB

Checked by: CB

Scale: NTS

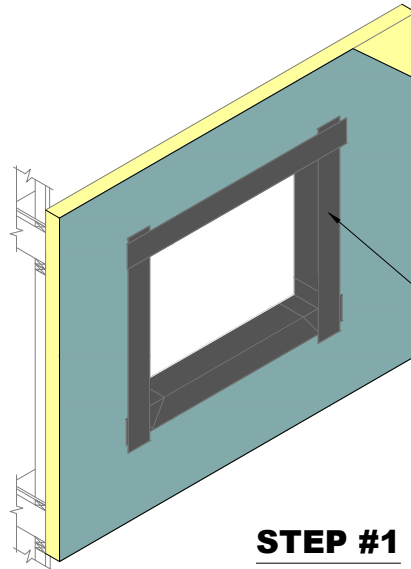
Date: 10/2021

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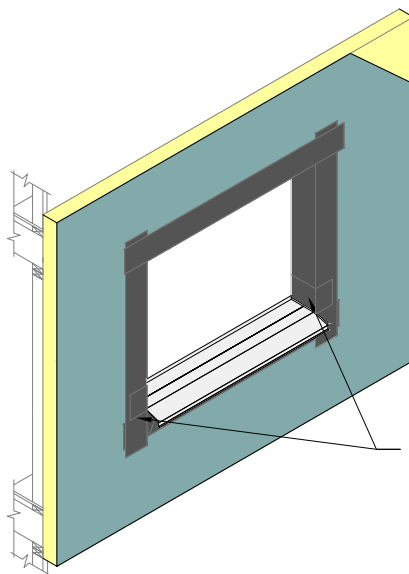
HDCI 4



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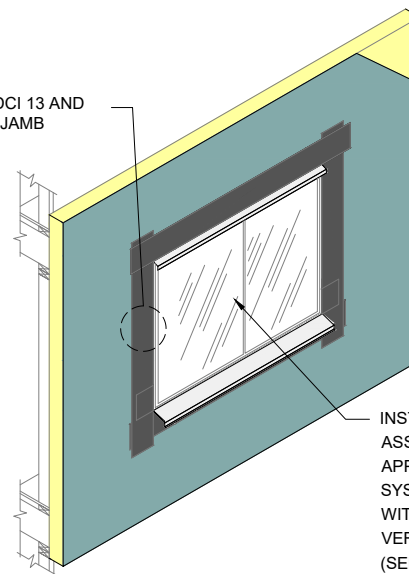


STEP #1



STEP #2

REFER TO HDCI 13 AND
HDCI 14 FOR JAMB
DETAILS



STEP #3

NOTES:

1. REFER TO HDCI 13 THROUGH HDCI 16 FOR INTEGRATION OF FLASHING.

2. FOR ADDITIONAL BACKSTOP® NTX™ DETAILS, REFER TO DRYVIT PUBLICATION DS840.

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Outsulation® HDCI™ System®



Dryvit Technical Support: 800-556-7752

Detail: Opening Flashing Integration - AquaFlash® System
or Tremco ExoAir 230 with Mesh Option

Drawn by: KAB

Checked by: CB

Scale: NTS

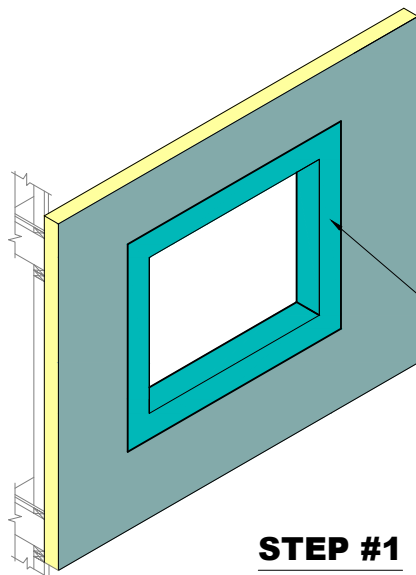
Date: 10/2021

File Name:

HDCI 5

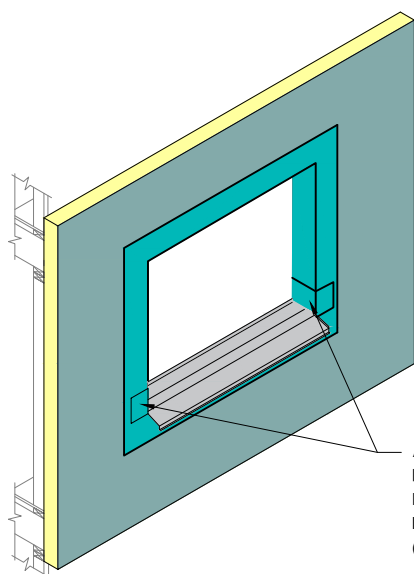


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REFER TO HDCI 3a FOR PREPARATION OF
OPENING PRIOR TO FLASHING
INSTALLATION

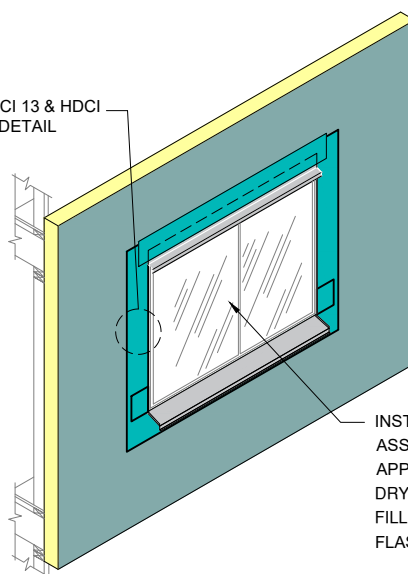
STEP #1



APPLY TREMCO DYMONIC 100 OR
DRYVIT BACKSTOP® FLASH AND FILL
LAPPING OVER LIP OF SILL PAN
FLASHING.
(SEE NOTES 1, 2, 3)

STEP #2

REFER TO HDCI 13 & HDCI
14 FOR JAMB DETAIL



INSTALL WINDOW UNIT AND
ASSOCIATED FLASHINGS AND
APPLY TREMCO DYMONIC 100 OR
DRYVIT BACKSTOP® FLASH AND
FILL OVER VERTICAL LEG OF
FLASHING (SEE NOTES 1, 2, 3)

STEP #3

NOTES:

1. REFER TO HDCI 13 AND HDCI 14 FOR
INTEGRATION OF FLASHING.

2. REFER TO PRODUCT DATA SHEETS FOR
SPECIFIC APPLICATION METHODS.

3. THE ONLY WRB TO BE USED WITH BACKSTOP®
FLASH AND FILL IS BACKSTOP® NTX™.

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Outsulation® HDCI™ System®



Dryvit Technical Support: 800-556-7752

Detail: Opening Flashing Preparation - Tremco Dymonic 100
or Backstop® Flash and Fill Option

Drawn by: KAB

Checked by: CB

Scale: NTS

Date: 10/2021

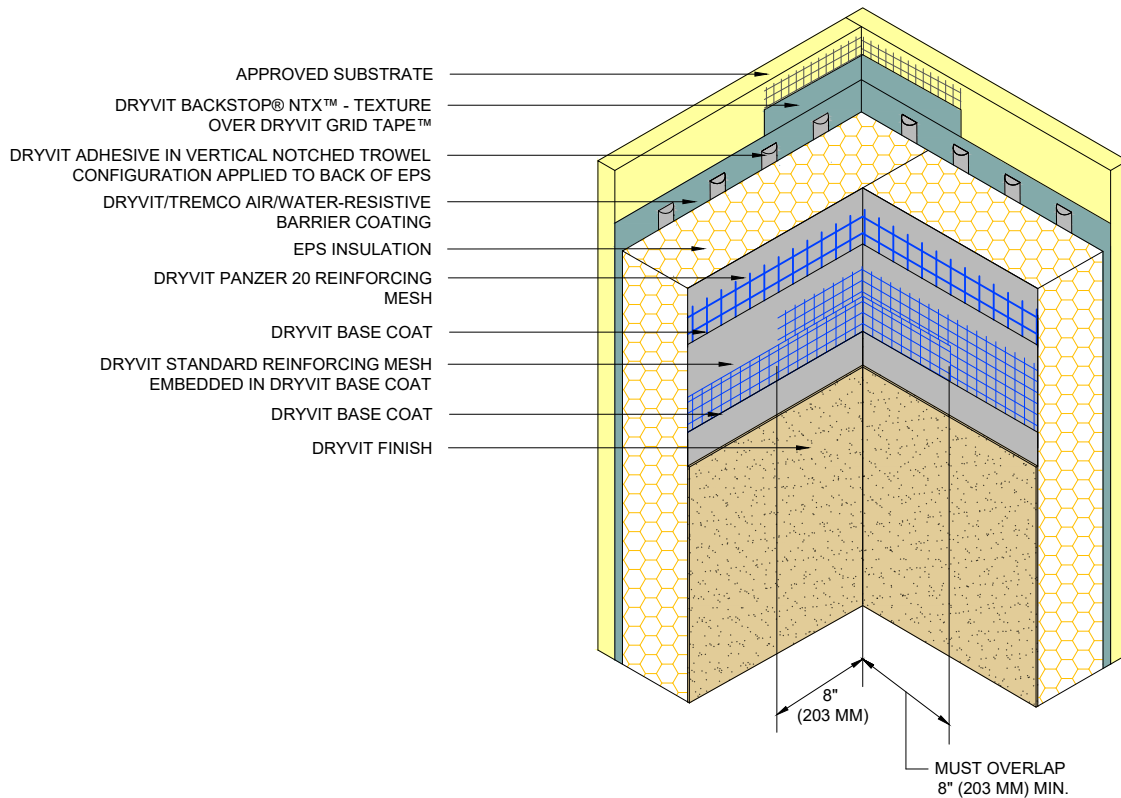
File Name:

HDCI 5a



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NOTE:
1. DOUBLE WRAP CORNERS WITH
REINFORCING MESH OR USE CORNER MESH.

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Outsulation® HDCl™ System®



Dryvit Technical Support: 800-556-7752

Detail: Inside Corner

Drawn by: KAB

Checked by: CB

Scale: NTS

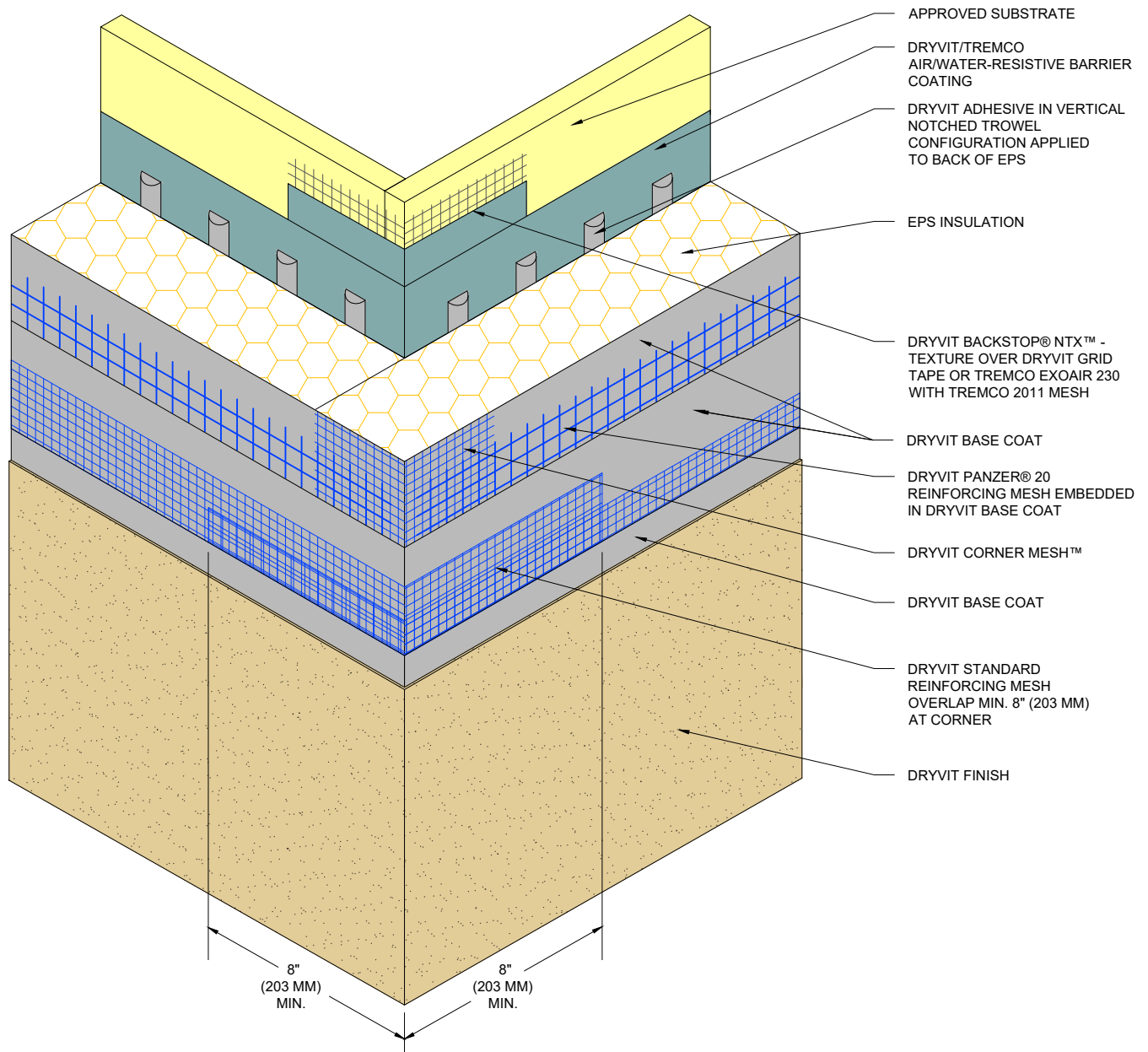
Date: 10/2021

File Name:

HDCl 6



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NOTE:
1. OUTSIDE INSULATION BOARD EDGES SHALL BE OFFSET.

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Outsulation® HDCI™ System®



Dryvit Technical Support: 800-556-7752

Detail: Outside Corner

Drawn by: KAB

Checked by: CB

Scale: NTS

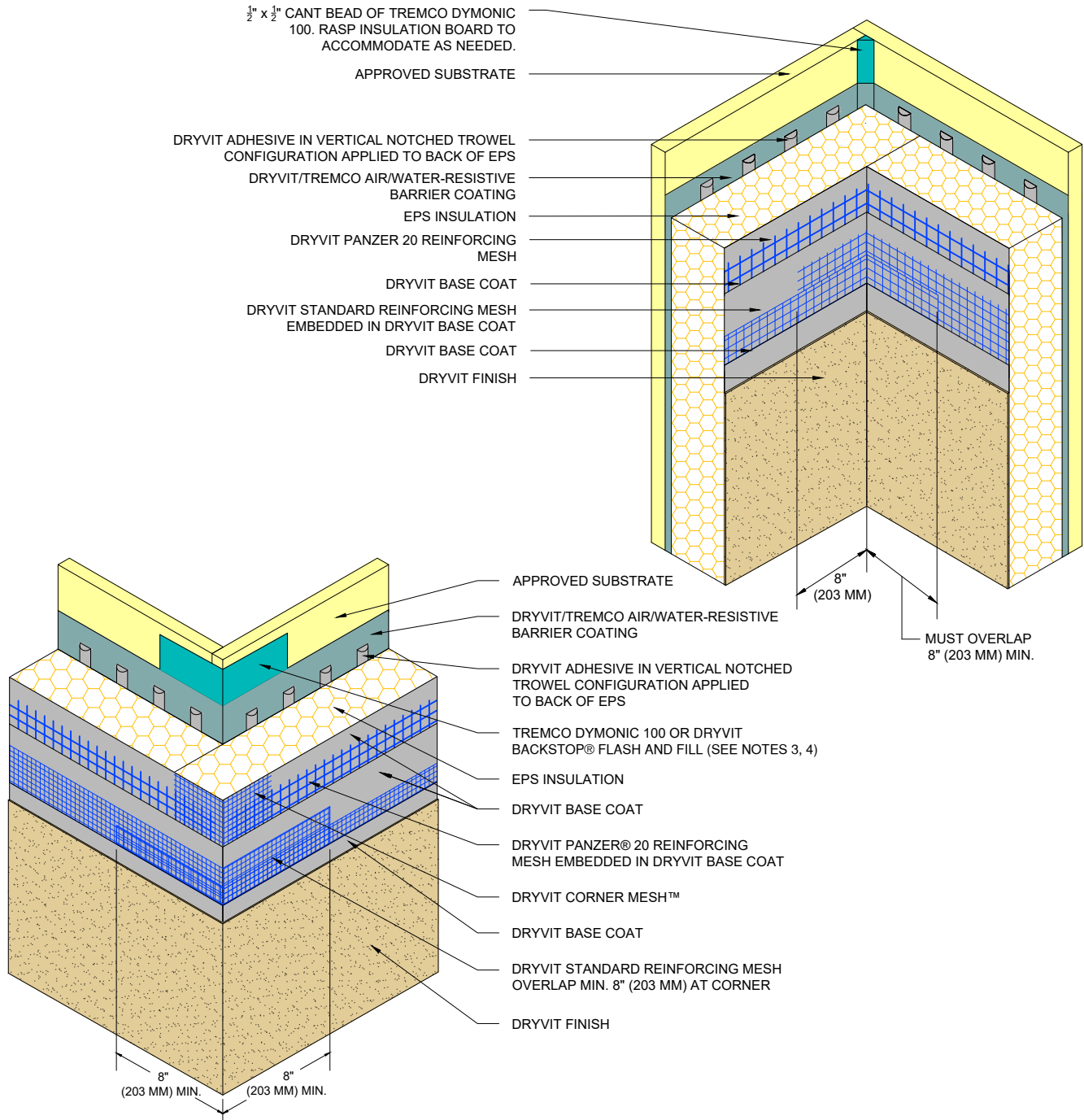
Date: 10/2021

File Name:

HDCI 7



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NOTES:

1. DOUBLE WRAP CORNERS WITH REINFORCING MESH OR USE CORNER MESH.

2. OUTSIDE INSULATION BOARD EDGES SHALL BE OFFSET.

3. REFER TO PRODUCT DATA SHEETS FOR SPECIFIC APPLICATION METHODS.

4. THE ONLY WRB TO BE USED WITH BACKSTOP® FLASH AND FILL IS BACKSTOP® NTX™.

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Outsulation® HDCI™ System®



Dryvit Technical Support: 800-556-7752

Detail: Inside/ Outside Corners - Tremco Dymonic 100 or Backstop® Flash and Fill Option

Drawn by: KAB

Checked by: CB

Scale: NTS

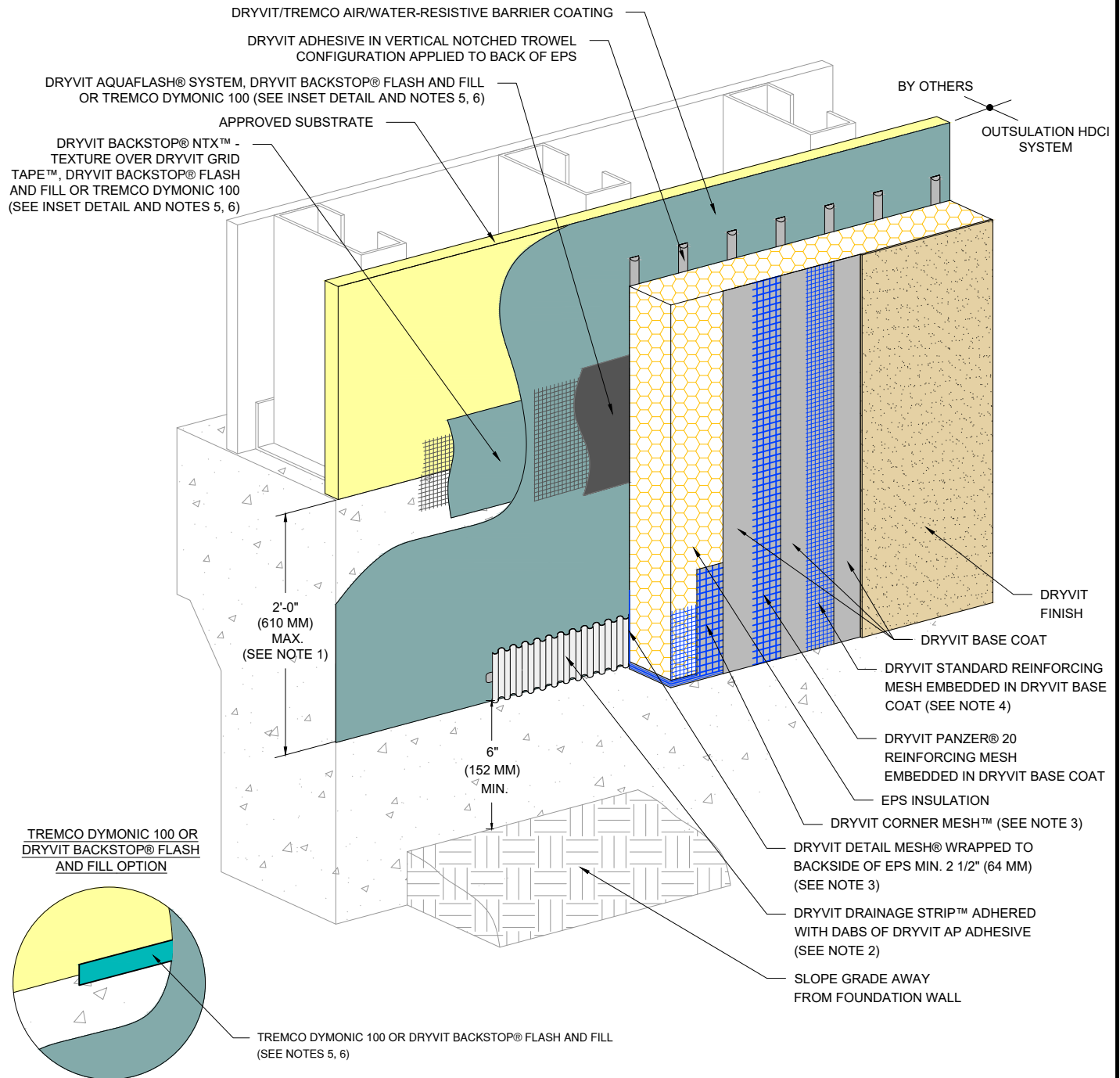
Date: 10/2021

File Name:

HDCI 7a



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NOTES:

1. EXPANSION JOINT IS REQUIRED ALONG TOP OF FOUNDATION IF 2'-0" (610 MM) DIMENSION IS EXCEEDED.

2. ENSURE BOTTOM EDGE OF DRAINAGE STRIP IS LEFT FREE TO DRAIN.

3. DRYVIT CORNER MESH AND DRYVIT DETAIL MESH ARE EMBEDDED IN DRYVIT BASE COAT, NOT SHOWN FOR CLARITY. TRIM CORNER MESH TO FACE OF SUBSTRATE AS REQUIRED.

4. EXTEND DRYVIT STANDARD REINFORCING MESH ONTO EDGE OF EPS.

5. REFER TO PRODUCT DATA SHEETS FOR SPECIFIC APPLICATION METHODS.

6. THE ONLY WRB TO BE USED WITH BACKSTOP® FLASH AND FILL IS BACKSTOP® NTX™.

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Outsulation® HDCI™ System®



Dryvit Technical Support: 800-556-7752

Detail: Grade Termination with Drainage Strip

Drawn by: KAB

Checked by: CB

Scale: NTS

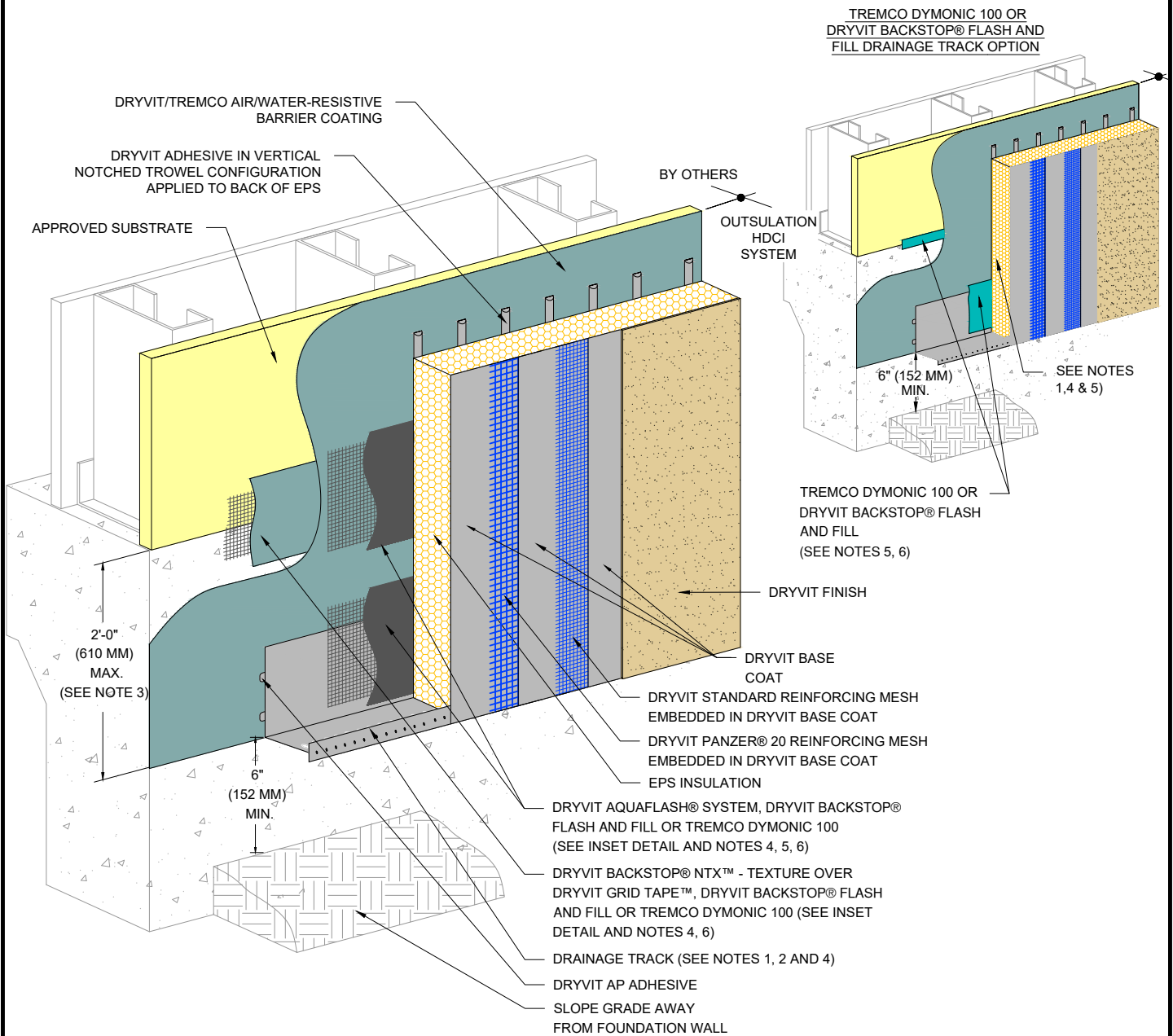
Date: 10/2021

File Name:

HDCI 8



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NOTES:

1. LIGHTLY SAND SURFACE OF DRAINAGE TRACK TO MAXIMIZE ADHESION.

2. DRYVIT DRAINAGE STRIP MAY BE SUBSTITUTED FOR DRYVIT DRAINAGE TRACK. IF DRYVIT DRAINAGE STRIP IS USED, EPS INSULATION MUST BE BACK WRAPPED WITH DRYVIT REINFORCING MESH AND DRYVIT BASE COAT (SEE HDCI 8).

3. EXPANSION JOINT IS REQUIRED ALONG TOP OF FOUNDATION IF 2'-0" (610 MM) DIMENSION IS EXCEEDED.

4. DRYVIT DRAINAGE TRACK SHALL ONLY BE USED AT GRADE LEVEL TERMINATIONS.

5. REFER TO PRODUCT DATA SHEETS FOR SPECIFIC APPLICATION METHODS.

6. THE ONLY WRB TO BE USED WITH BACKSTOP® FLASH AND FILL IS BACKSTOP® NTX™.

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Outsulation® HDCI™ System®



Dryvit Technical Support: 800-556-7752

Detail: Grade Termination with Drainage Track

Drawn by: KAB

Checked by: CB

Scale: NTS

Date: 10/2021

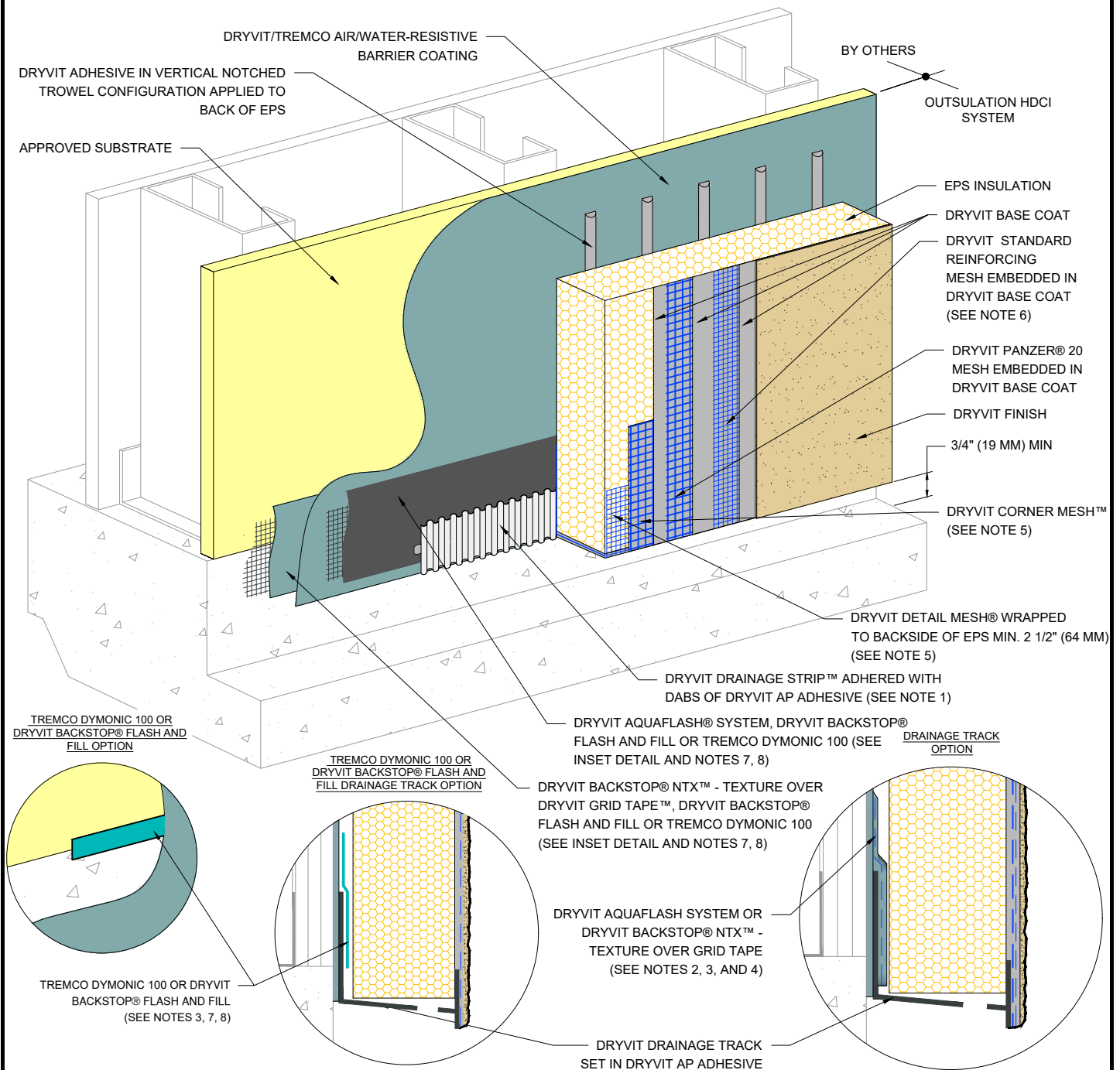
File Name:

HDCI 9



Construction Products Group

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NOTES:

1. ENSURE BOTTOM EDGE OF DRAINAGE STRIP IS LEFT FREE TO DRAIN.
2. AS AN OPTION DRYVIT DRAINAGE TRACK CAN BE USED AT SYSTEM TERMINATION AT GRADE. REFER TO HDCI 9 FOR CONFIGURATION.
3. LIGHTLY SAND SURFACE OF DRAINAGE TRACK TO MAXIMIZE ADHESION.
4. DRYVIT DRAINAGE TRACK SHALL ONLY BE USED AT GRADE LEVEL TERMINATIONS.
5. DRYVIT CORNER MESH AND DRYVIT DETAIL MESH ARE EMBEDDED IN DRYVIT BASE COAT, NOT SHOWN FOR CLARITY.
6. EXTEND DRYVIT STANDARD REINFORCING MESH ONTO EDGE OF EPS.
7. REFER TO PRODUCT DATA SHEETS FOR SPECIFIC APPLICATION METHODS.
8. THE ONLY WRB TO BE USED WITH BACKSTOP® FLASH AND FILL IS BACKSTOP® NTX™.

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Outsulation® HDCI™ System®



Dryvit Technical Support: 800-556-7752

Detail: Termination at Concrete Curb

Drawn by: KAB

Checked by: CB

Scale: NTS

Date: 10/2021

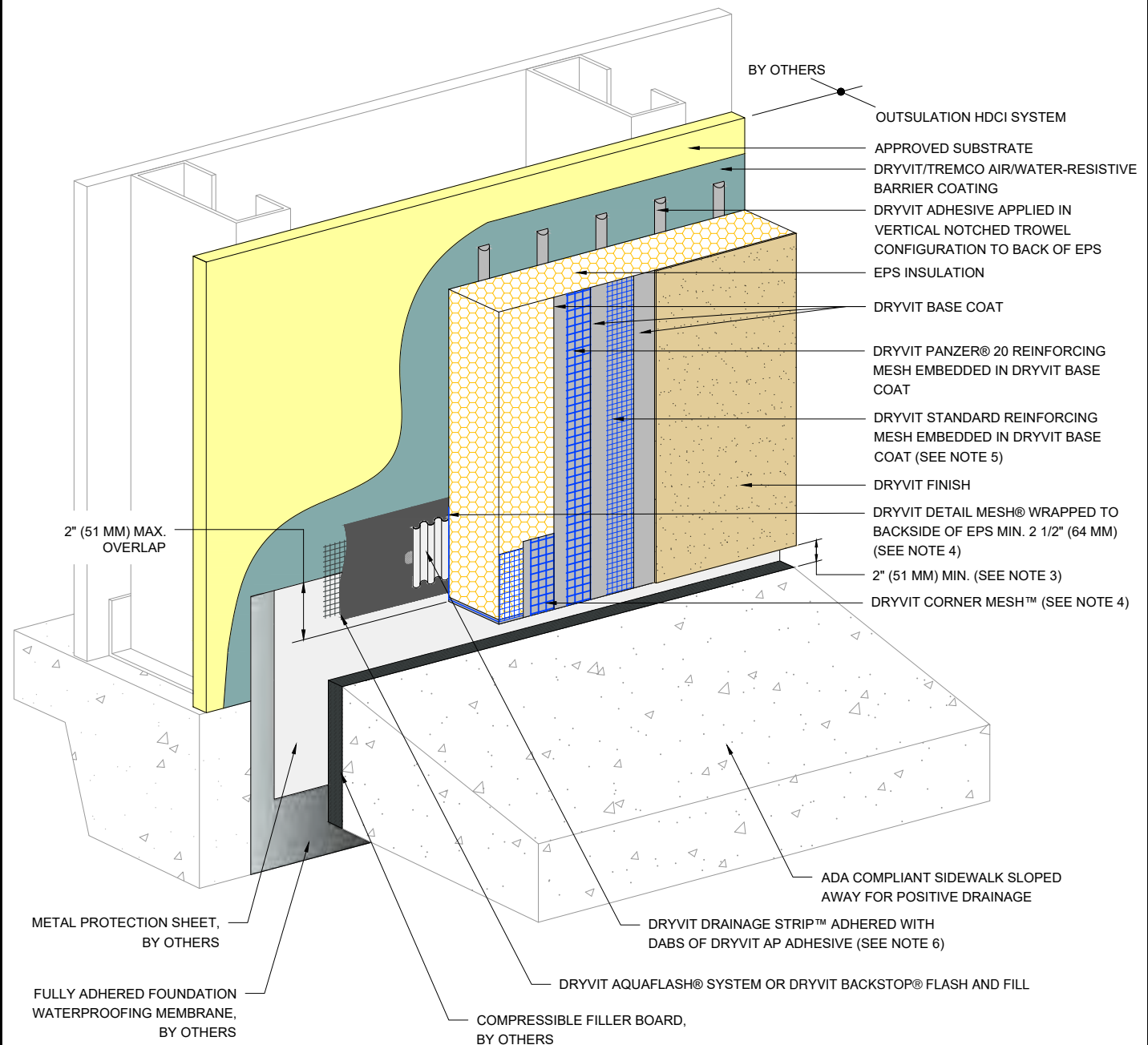
File Name:

HDCI 10



Construction Products Group

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NOTES:

1. USE OF THIS DETAIL IS LIMITED TO SLAB-ON-GRADE APPLICATIONS.

2. INCORPORATE MEASURES TO PROTECT STRUCTURE FROM MOISTURE INTRUSION, DAMPNESS, AND FROST HEAVE.

3. TO PREVENT DEBRIS ACCUMULATION, IT IS RECOMMENDED TO TERMINATE SYSTEM 2" (51 MM) ABOVE SIDEWALK.

4. DRYVIT CORNER MESH AND DRYVIT DETAIL MESH ARE EMBEDDED IN DRYVIT BASE COAT, NOT SHOWN FOR CLARITY. TRIM CORNER MESH TO FACE OF SUBSTRATE AS REQUIRED.

5. EXTEND DRYVIT STANDARD REINFORCING MESH ONTO EDGE OF EPS.

6. ENSURE BOTTOM EDGE OF DRAINAGE STRIP IS LEFT FREE TO DRAIN.

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Outsulation® HDCI™ System®



Dryvit Technical Support: 800-556-7752

Detail: Termination at ADA Compliant Sidewalk

Drawn by: KAB

Checked by: CB

Scale: NTS

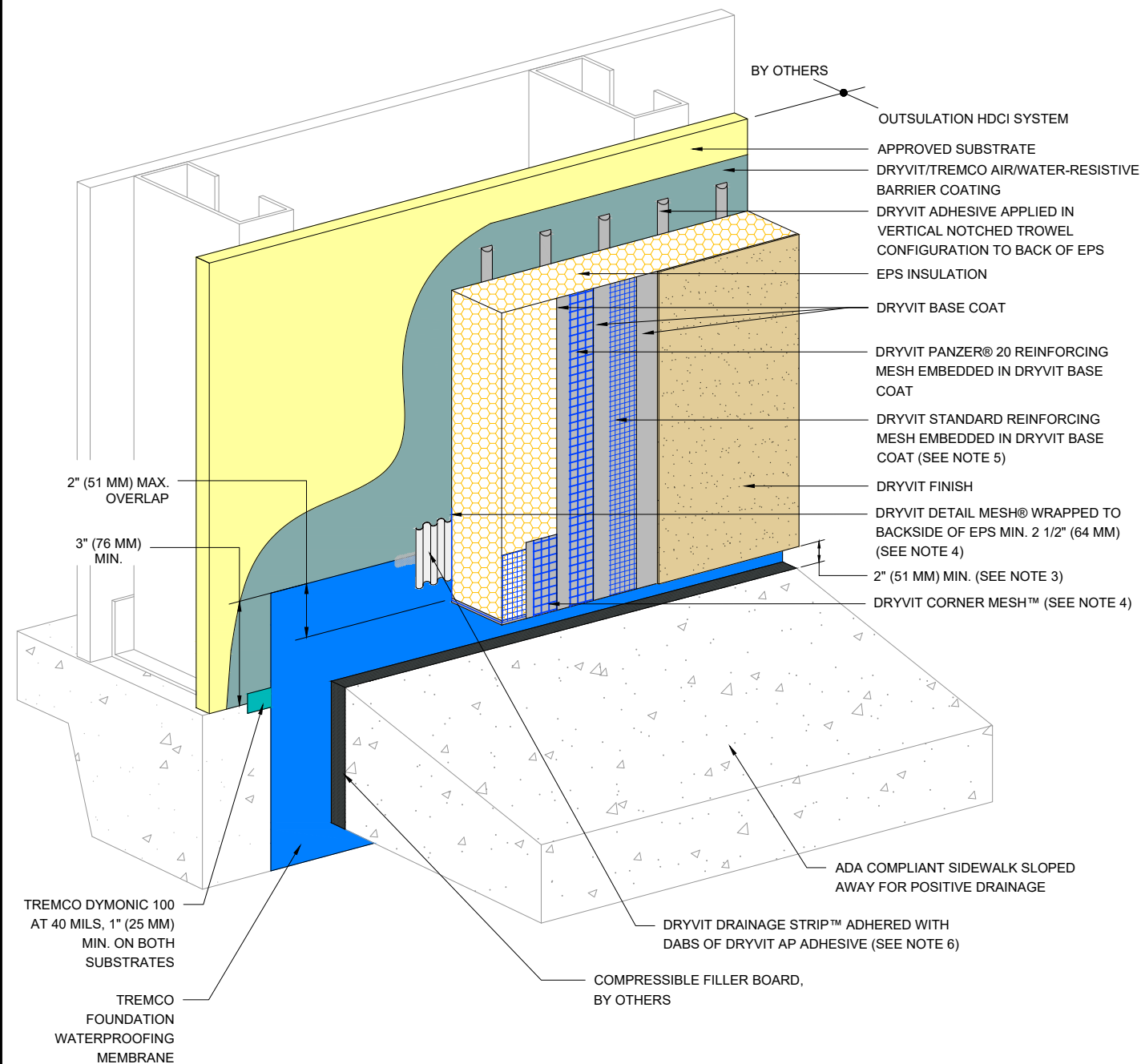
Date: 10/2021

File Name:

HDCI 11



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NOTES:

1. USE OF THIS DETAIL IS LIMITED TO SLAB-ON-GRADE APPLICATIONS.

2. INCORPORATE MEASURES TO PROTECT STRUCTURE FROM MOISTURE INTRUSION, DAMPNESS, AND FROST HEAVE.

3. TO PREVENT DEBRIS ACCUMULATION, IT IS RECOMMENDED TO TERMINATE SYSTEM 2" (51 MM) ABOVE SIDEWALK.

4. DRYVIT CORNER MESH AND DRYVIT DETAIL MESH ARE EMBEDDED IN DRYVIT BASE COAT, NOT SHOWN FOR CLARITY. TRIM CORNER MESH TO FACE OF SUBSTRATE AS REQUIRED.

5. EXTEND DRYVIT STANDARD REINFORCING MESH ONTO EDGE OF EPS.

6. ENSURE BOTTOM EDGE OF DRAINAGE STRIP IS LEFT FREE TO DRAIN.

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Outsulation® HDCI™ System®



Dryvit Technical Support: 800-556-7752

Detail: Termination at ADA Compliant Sidewalk -
Tremco Dymonic 100/ Tremco Waterproofing Option

Drawn by: KAB

Checked by: CB

Scale: NTS

Date: 10/2021

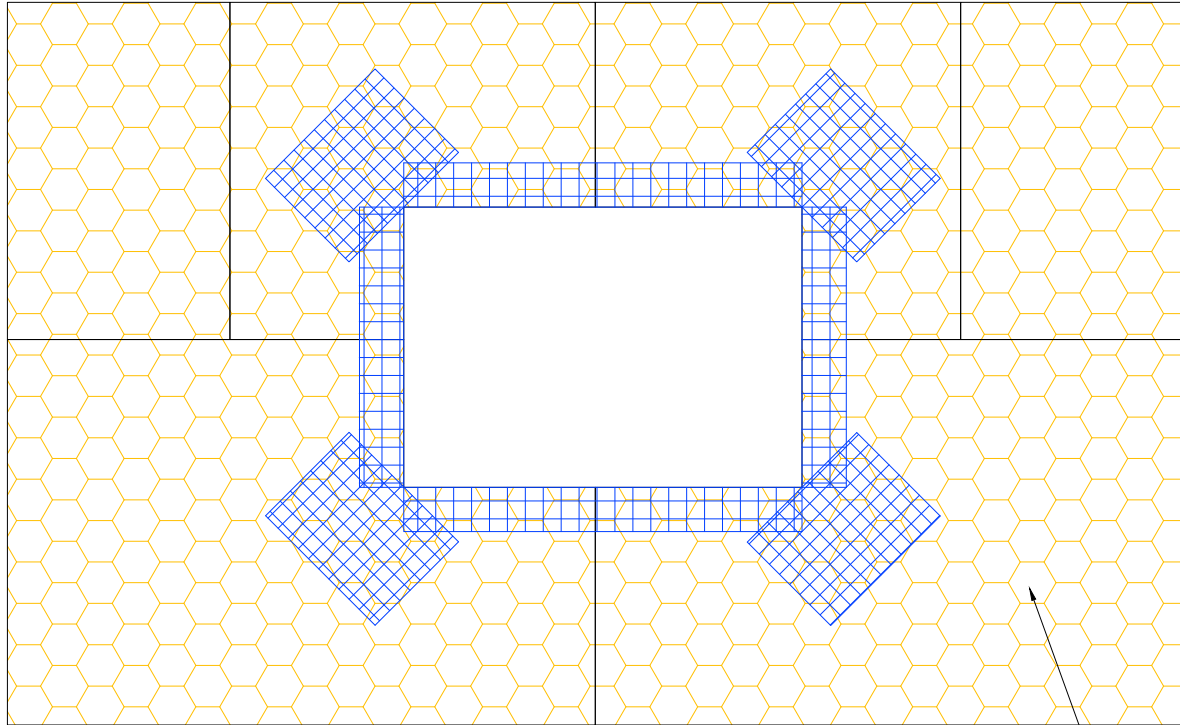
File Name:

HDCI 11a

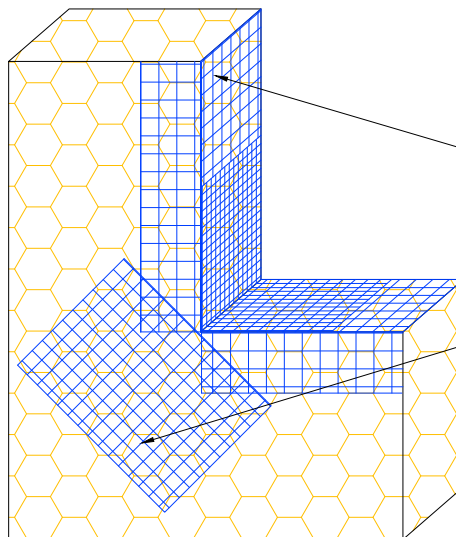


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EPS INSULATION
(SEE NOTE 1)



DRYVIT DETAIL MESH® WRAPPED
TO BACKSIDE OF EPS MIN. 2 1/2" (64 MM)

DRYVIT DETAIL REINFORCING MESH
9 1/2" (241 MM) X 12" (305 MM) (TYP.)
(SEE NOTE 2)

NOTES:

1. LOCATE INSULATION BOARDS SUCH THAT BOARD EDGES DO NOT ALIGN WITH CORNERS OF PENETRATION.

2. APPLY A PIECE OF 9 1/2" (241 MM) X 12" (305 MM) DETAIL REINFORCING MESH DIAGONALLY AT EACH CORNER.

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Outsulation® HDCI™ System®



Dryvit Technical Support: 800-556-7752

Detail: EPS Preparation at Wall Penetrations

Drawn by: KAB

Checked by: CB

Scale: NTS

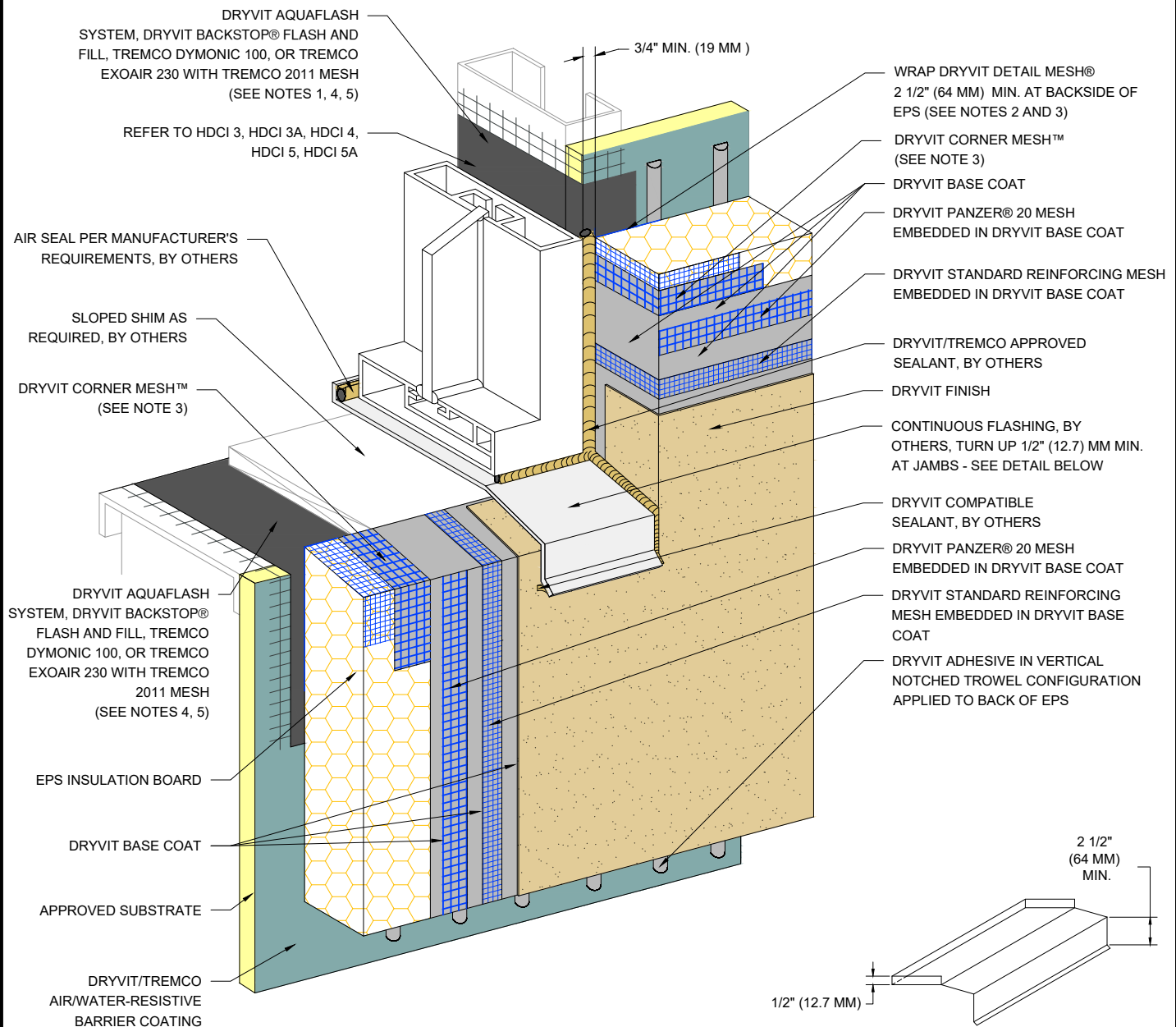
Date: 10/2021

File Name:

HDCI 12



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SILL PAN FLASHING DETAIL

NOTES:

1. DRYVIT BACKSTOP® NTX™ - TEXTURE OVER GRID TAPE™ IS AN ALTERNATIVE OPTION AT JAMB AND HEAD CONDITION PER DETAIL HDCI 4.

2. EDGE WRAPPING METHOD IS ACCEPTABLE AT SILL AND JAMB IN LIEU OF BACK WRAPPING. DRYVIT REINFORCING MESH MUST BE FULLY EMBEDDED IN DRYVIT BASE COAT AT EPS EDGE AND MUST EXTEND ONTO SUBSTRATE 2 1/2" (64 MM) MIN.

3. DRYVIT CORNER MESH AND DRYVIT DETAIL MESH ARE EMBEDDED IN DRYVIT BASE COAT, NOT SHOWN FOR CLARITY.

4. REFER TO PRODUCT DATA SHEETS FOR SPECIFIC APPLICATION METHODS.

5. THE ONLY WRB TO BE USED WITH BACKSTOP® FLASH AND FILL IS BACKSTOP® NTX™.

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Outsulation® HDCI™ System®



Dryvit Technical Support: 800-556-7752

Detail: Storefront Window Sill - Jamb

Drawn by: KAB

Checked by: CB

Scale: NTS

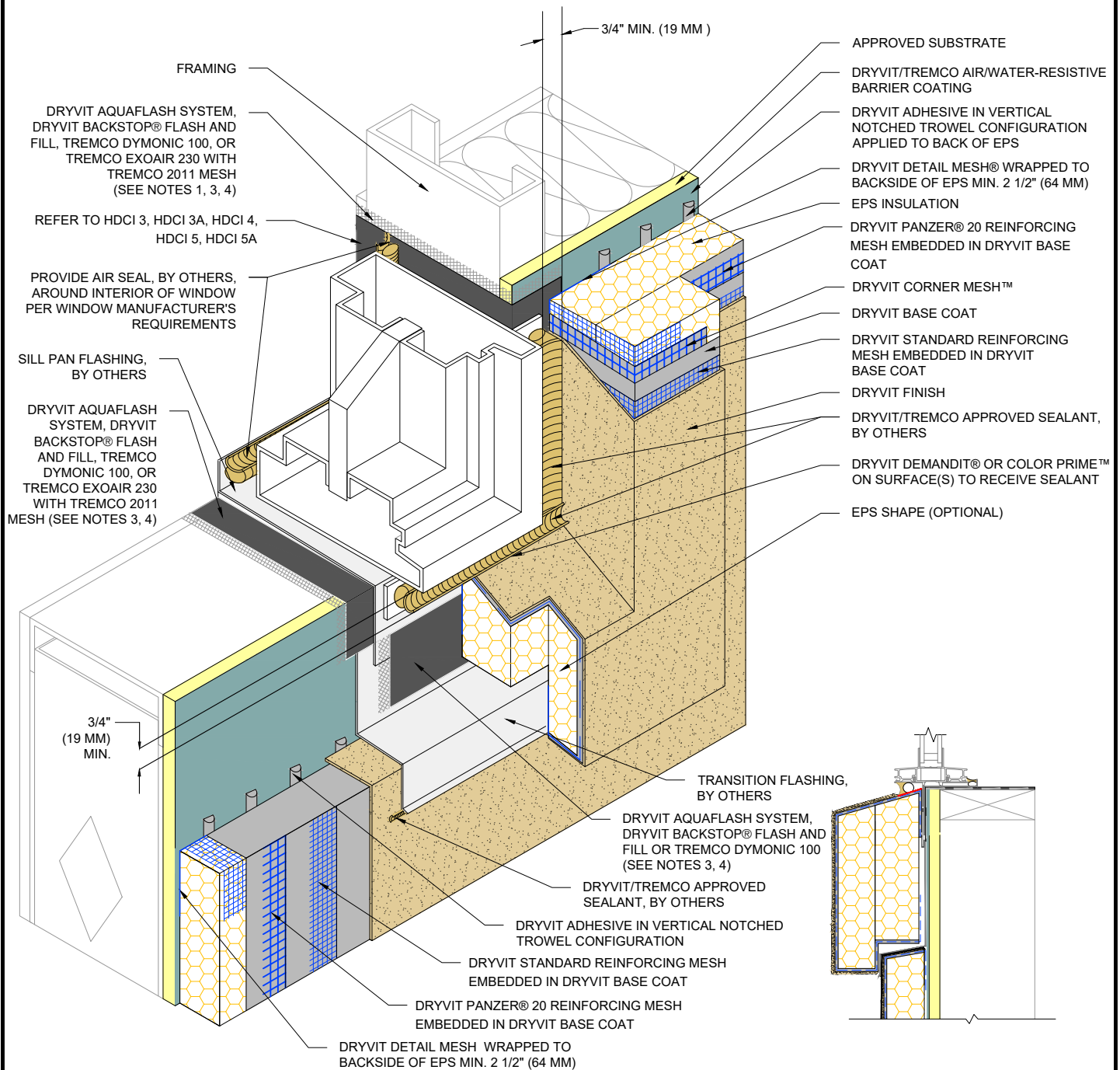
Date: 10/2021

File Name:

HDCI 13



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NOTES:

1. DRYVIT BACKSTOP® NTX™ - TEXTURE OVER GRID TAPE™ IS AN ALTERNATIVE OPTION AT JAMB AND HEAD CONDITION PER DETAIL HDCI 4.

2. DRYVIT CORNER MESH AND DRYVIT DETAIL MESH ARE EMBEDDED IN DRYVIT BASE COAT, NOT SHOWN FOR CLARITY.

3. REFER TO PRODUCT DATA SHEETS FOR SPECIFIC APPLICATION METHODS.

4. THE ONLY WRB TO BE USED WITH BACKSTOP® FLASH AND FILL IS BACKSTOP® NTX™.

The architecture, engineering, and design of the project using the Dryvit and Tremco products are the responsibility of the project's design professional. All products and systems must comply with local building codes and standards. This detail is for general information and guidance only and Dryvit and Tremco specifically disclaims any liability for the use of this detail. The project design professional determines, in its sole discretion, whether this detail or a functionally equivalent detail is best suited for the project. This detail is subject to change without notice. Contact Dryvit and Tremco to ensure you have the most recent version.

Outsulation® HDCI™ System®



Dryvit Technical Support: 800-556-7752

Detail: Self Flashing Window Sill - Jamb

Drawn by: KAB

Checked by: CB

Scale: NTS

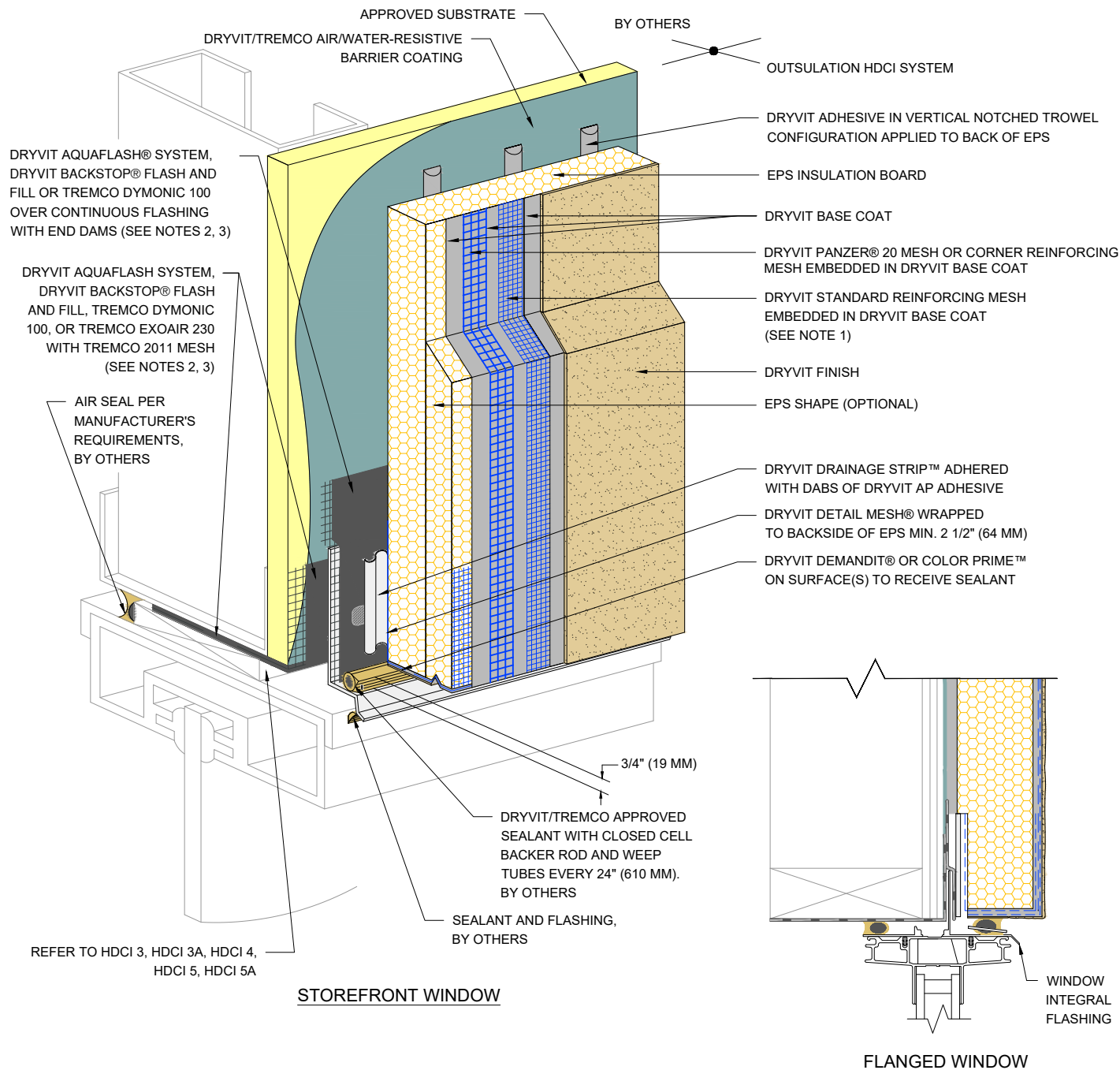
Date: 10/2021

File Name:

HDCI 14



www.tremcocpg.com



NOTES:

1. EXTEND DRYVIT STANDARD REINFORCING MESH ONTO EDGE OF EPS.
2. REFER TO PRODUCT DATA SHEETS FOR SPECIFIC APPLICATION METHODS.
3. THE ONLY WRB TO BE USED WITH BACKSTOP® FLASH AND FILL IS BACKSTOP® NTX™.

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Outsulation® HDCI™ System®



Dryvit Technical Support: 800-556-7752

Detail: Storefront and Flanged Window Head

Drawn by: KAB

Checked by: CB

Scale: NTS

Date: 10/2021

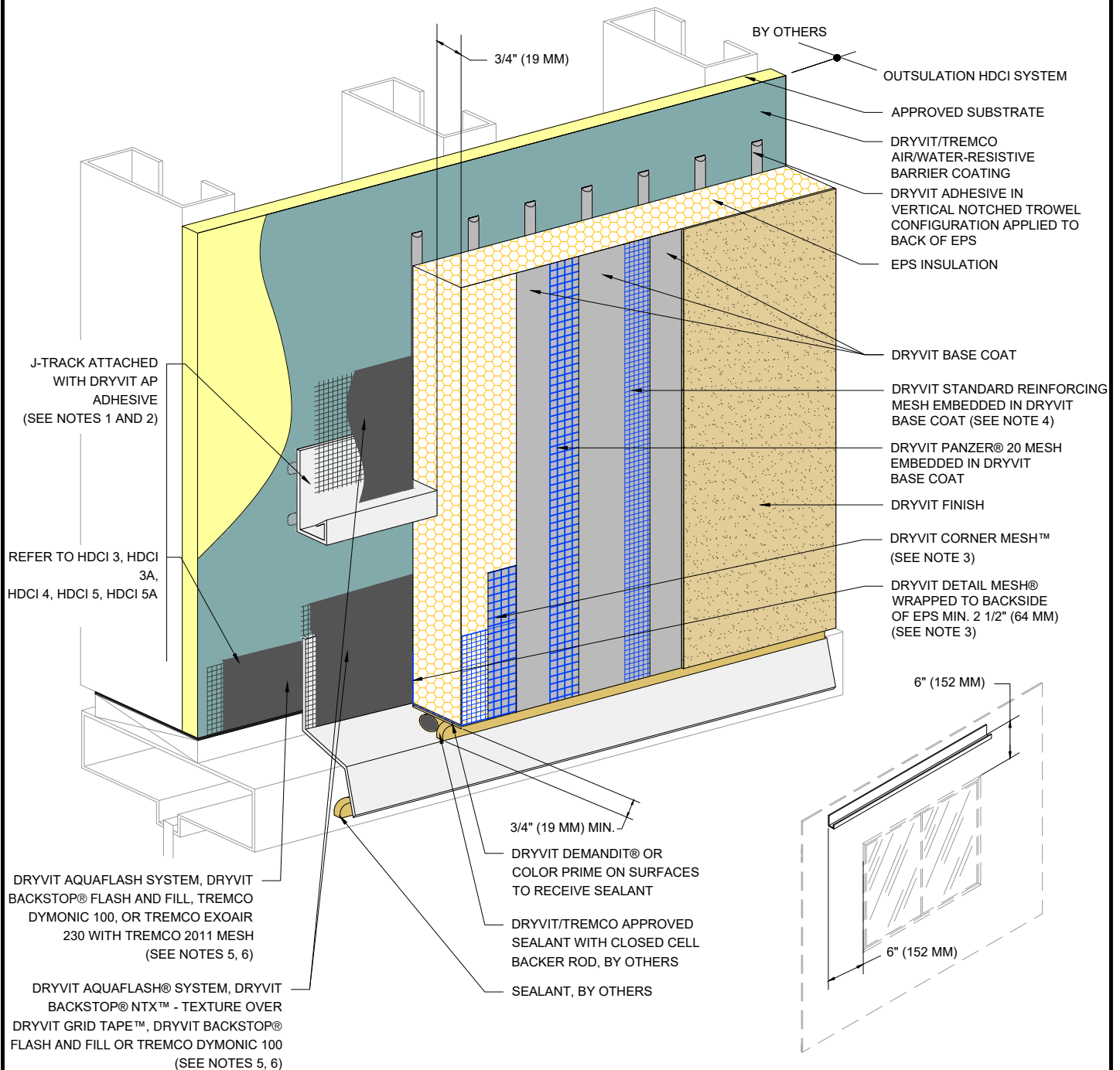
File Name:

HDCI 15



Construction Products Group

www.tremcocpg.com



NOTES:

1. LIGHTLY SAND SURFACE OF J-TRACK TO MAXIMIZE ADHESION.

2. LENGTH OF TRACK NOT TO EXCEED 10 FT (3.0 M).

3. DRYVIT CORNER MESH AND DRYVIT DETAIL MESH ARE EMBEDDED IN DRYVIT BASE COAT, NOT SHOWN FOR CLARITY.

4. EXTEND DRYVIT STANDARD REINFORCING MESH ONTO EDGE OF EPS.

5. REFER TO PRODUCT DATA SHEETS FOR SPECIFIC APPLICATION METHODS.

6. THE ONLY WRB TO BE USED WITH BACKSTOP® FLASH AND FILL IS BACKSTOP® NTX™.

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Outsulation® HDCI™ System®



Dryvit Technical Support: 800-556-7752

Detail: Head J-Track Option

Drawn by: KAB

Checked by: CB

Scale: NTS

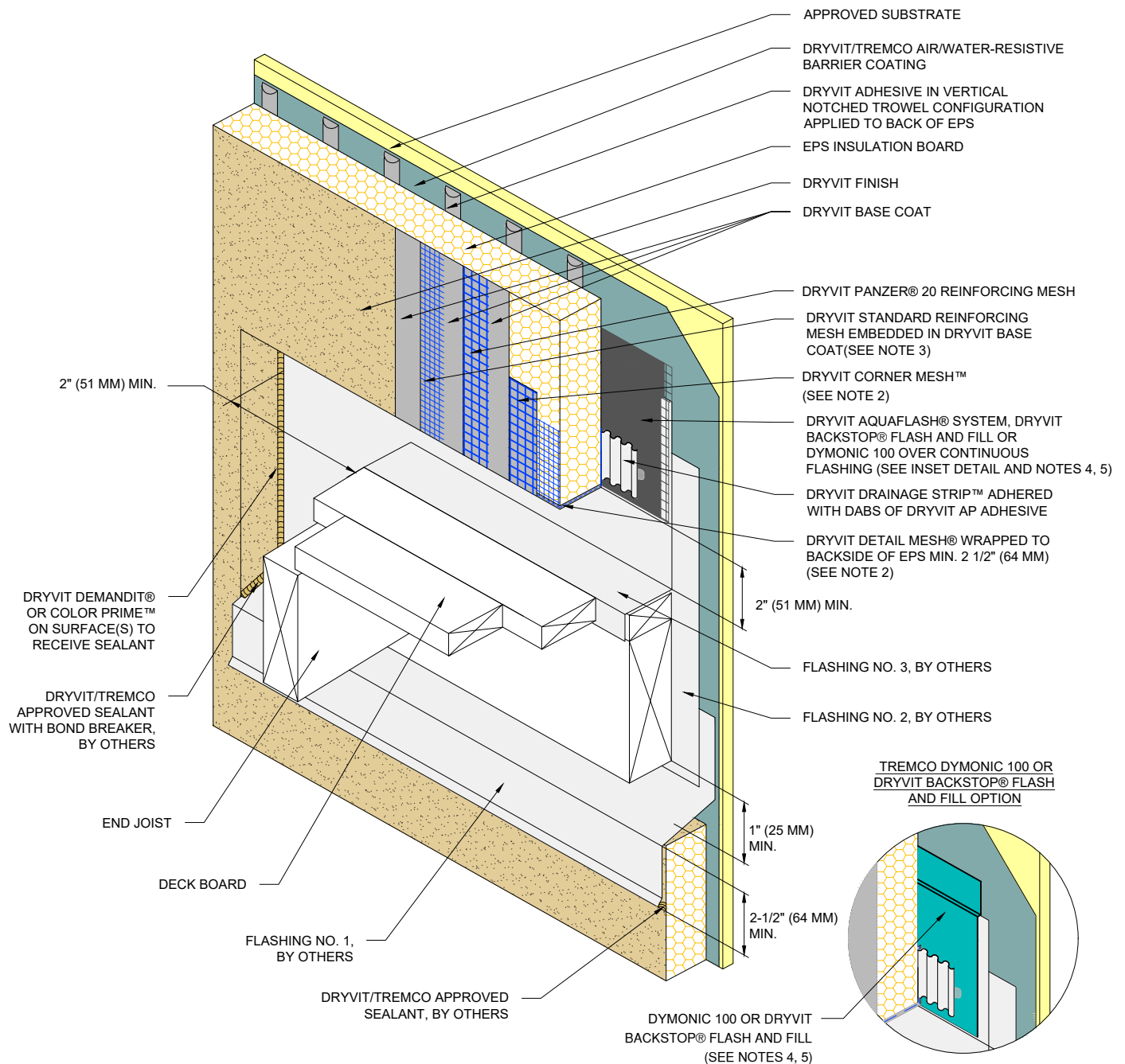
Date: 10/2021

File Name:

HDCI 16



www.tremcocpg.com



NOTES:

1. DETAIL DOES NOT APPLY TO CANTILEVERED DECKS. CANTILEVERED DECKS REQUIRE PROJECT SPECIFIC FLASHING DETAILS.

2. DRYVIT CORNER MESH AND DRYVIT DETAIL MESH ARE EMBEDDED IN DRYVIT BASE COAT, NOT SHOWN FOR CLARITY.

3. EXTEND DRYVIT STANDARD REINFORCING MESH ONTO EDGE OF EPS.

4. REFER TO PRODUCT DATA SHEETS FOR SPECIFIC APPLICATION METHODS.

5. THE ONLY WRB TO BE USED WITH BACKSTOP® FLASH AND FILL IS BACKSTOP® NTX™.

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Outsulation® HDCI™ System®



Dryvit Technical Support: 800-556-7752

Detail: Termination at Wood Framed Deck

Drawn by: KAB

Checked by: CB

Scale: NTS

Date: 10/2021

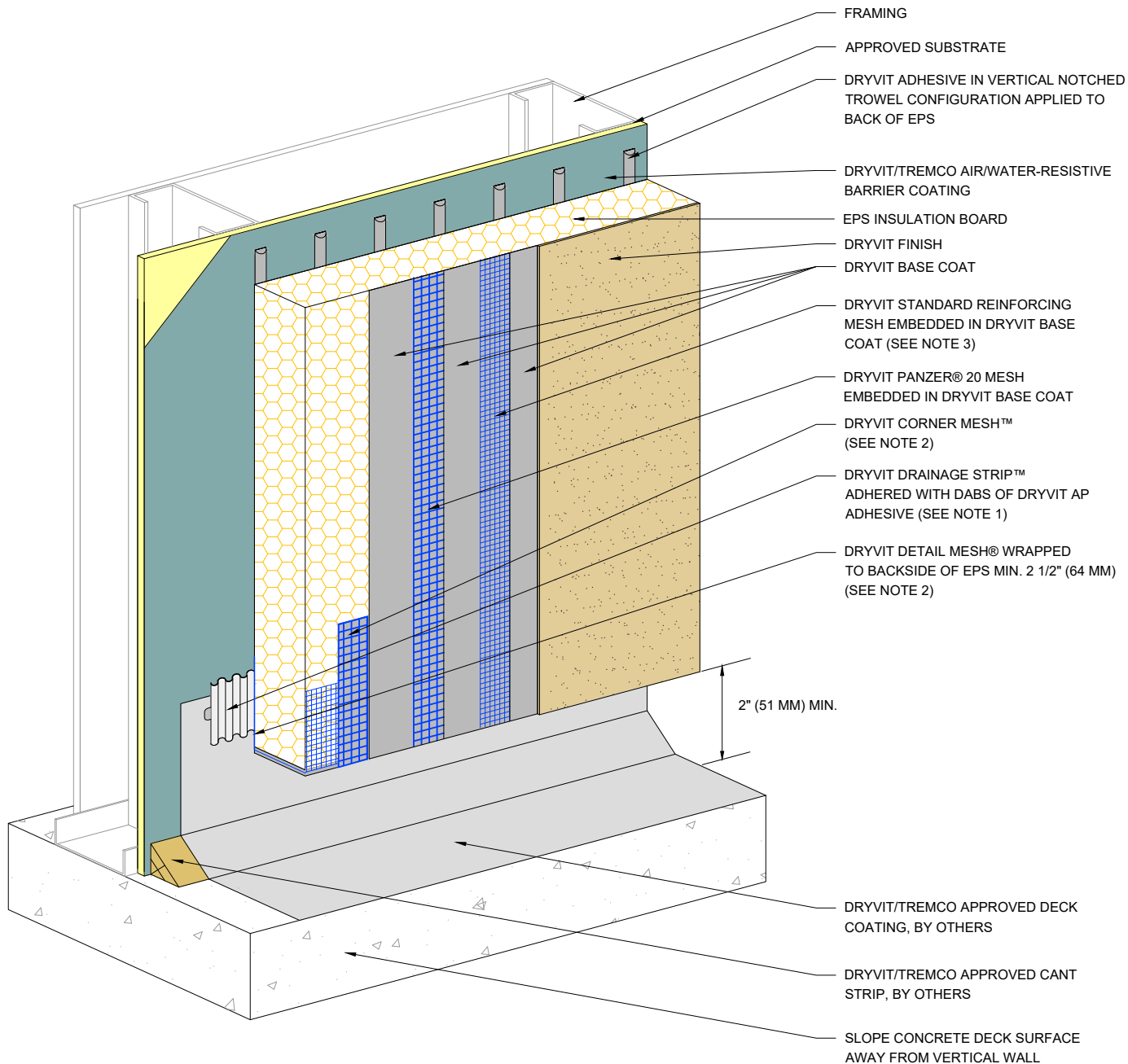
File Name:

HDCI 17



Construction Products Group

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NOTES:

1. ENSURE BOTTOM EDGE OF DRAINAGE STRIP IS LEFT FREE TO DRAIN.

2. DRYVIT CORNER MESH AND DRYVIT DETAIL MESH ARE EMBEDDED IN DRYVIT BASE COAT, NOT SHOWN FOR CLARITY.

3. EXTEND DRYVIT STANDARD REINFORCING MESH ONTO EDGE OF EPS.

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Outsulation® HDCI™ System®



Dryvit Technical Support: 800-556-7752

Detail: Termination at Waterproof Deck

Drawn by: KAB

Checked by: CB

Scale: NTS

Date: 10/2021

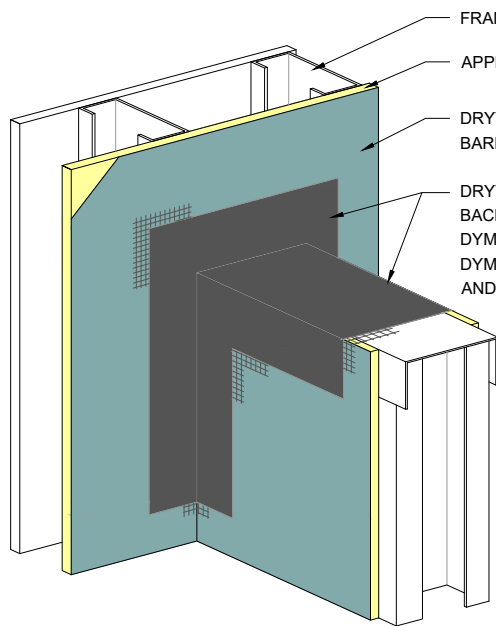
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HDCI 18

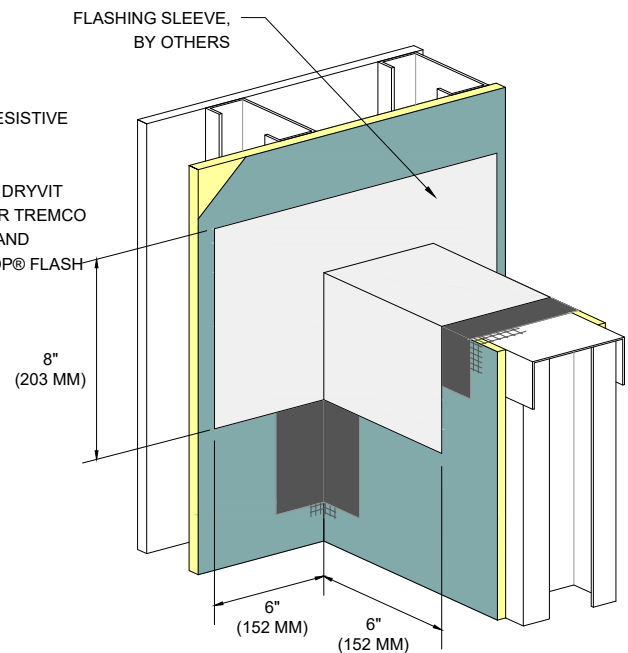


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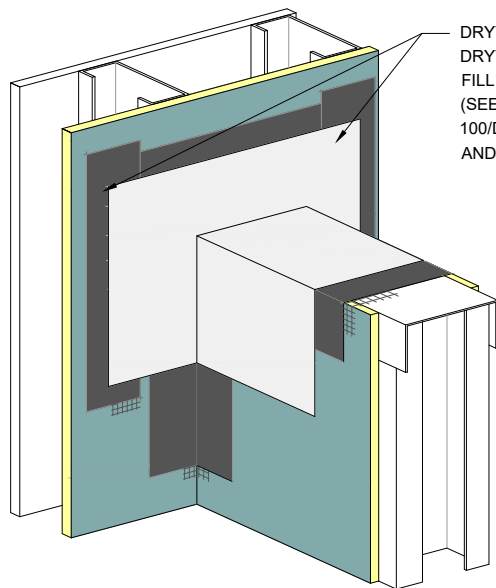
www.tremcocpg.com



STEP #1



STEP #2

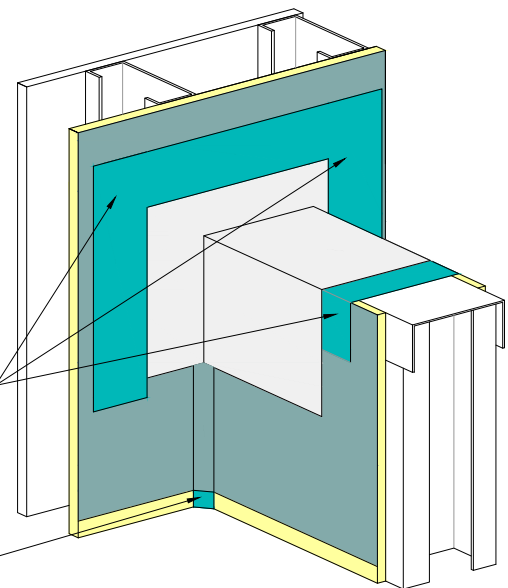


STEP #3

DRYVIT AQUAFASH® SYSTEM,
DRYVIT BACKSTOP® FLASH AND
FILL OR TREMCO DYMONIC 100
(SEE NOTES 1, 2 AND DYMONIC
100/DRYVIT BACKSTOP® FLASH
AND FILL OPTION DETAIL)

TREMCO DYMONIC 100 OR
DRYVIT BACKSTOP®
FLASH AND FILL
(SEE NOTES 1, 2)

$\frac{1}{2}$ " x $\frac{1}{2}$ " CANT BEAD OF
DYMONIC 100. RASP
INSULATION BOARD TO
ACCOMMODATE AS NEEDED.



**TREMCO DYMONIC 100 OR
DRYVIT BACKSTOP® FLASH AND FILL
OPTION**

NOTES:

1. REFER TO PRODUCT DATA SHEETS FOR
SPECIFIC APPLICATION METHODS.

2. THE ONLY WRB TO BE USED WITH
BACKSTOP® FLASH AND FILL IS
BACKSTOP® NTX™.

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Outsulation® HDCI™ System®



Dryvit Technical Support: 800-556-7752

Detail: Preparation at Parapet/ Wall Intersection

Drawn by: KAB

Checked by: CB

Scale: NTS

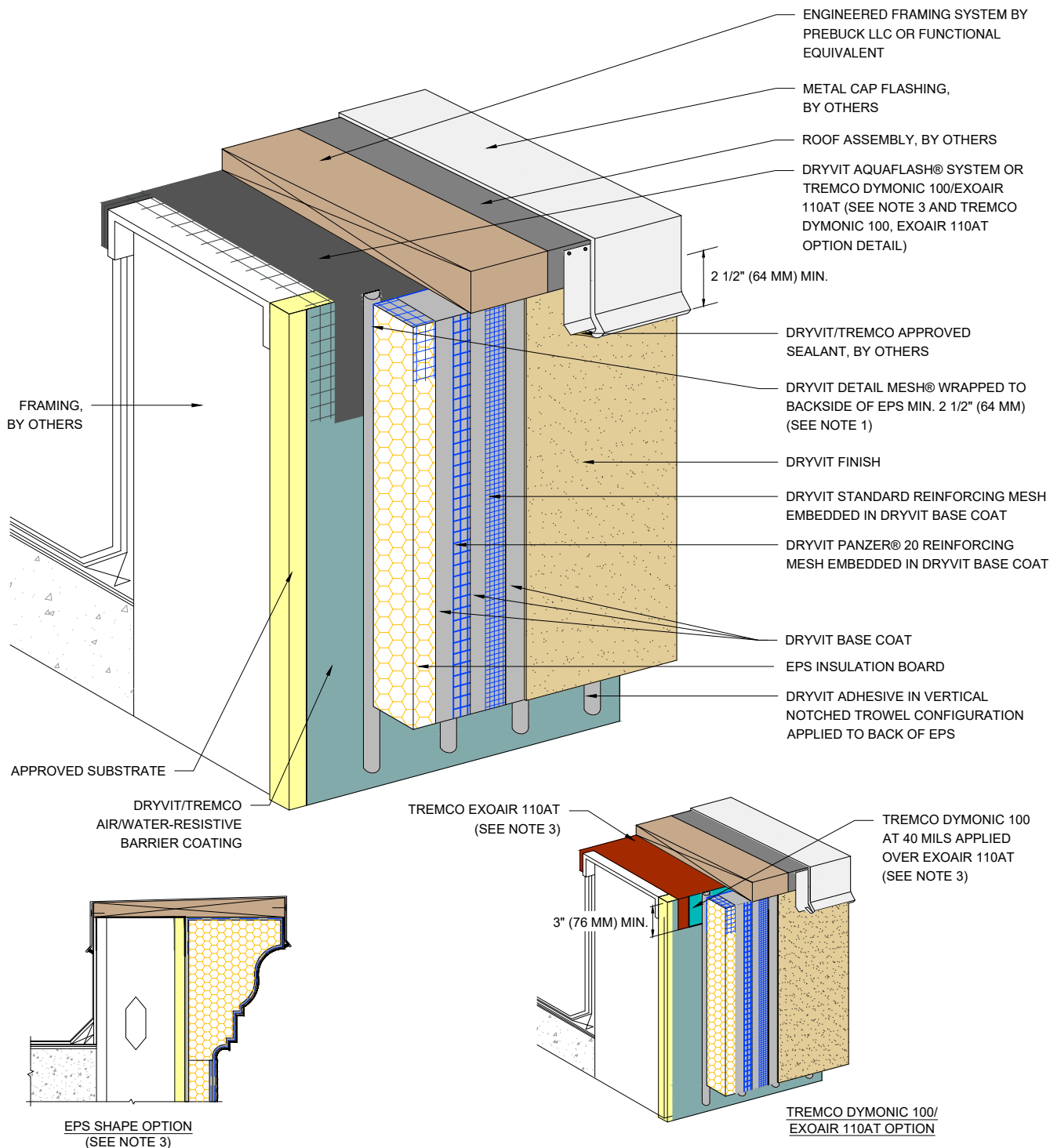
Date: 10/2021

File Name:

HDCI 19



www.tremcocpg.com



NOTES:

1. EDGE WRAPPING IS ACCEPTABLE IN LIEU OF BACK WRAPPING. DRYVIT REINFORCING MESH MUST BE FULLY EMBEDDED IN DRYVIT BASE COAT AT EPS EDGE AND EXTENDED ONTO SUBSTRATE 2 1/2" (64 MM) MIN.

2. MAXIMUM THICKNESS OF EPS BUILT OUT SHAPES SHALL NOT EXCEED 13" (330 MM) AT ANY POINT MEASURED FROM THE SUBSTRATE.

3. TREMCO DYMONIC 100 OR DRYVIT BACKSTOP® FLASH AND FILL MAY BE USED IN LIEU OF EXOAIR 110AT. REFER TO PRODUCT DATA SHEETS FOR SPECIFIC APPLICATION METHODS.

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Outsulation® HDCI™ System®



Dryvit Technical Support: 800-556-7752

Detail: Termination at Parapet - Cap Flashing

Drawn by: KAB

Checked by: CB

Scale: NTS

Date: 1/2022

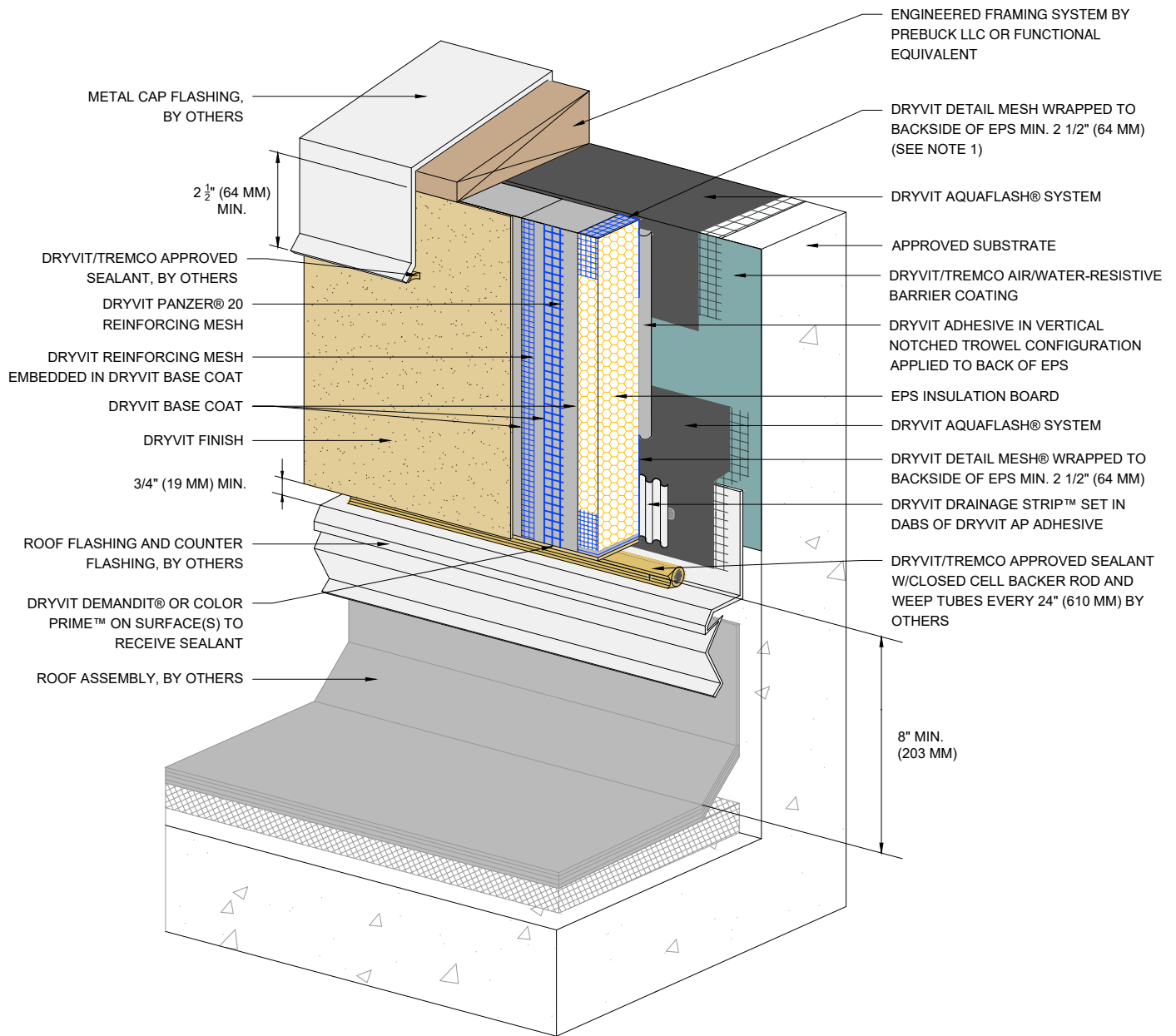
File Name:

HDCI 20



Construction Products Group

www.tremcocpg.com



NOTE:

1. EDGE WRAPPING METHOD IS ACCEPTABLE IN LIEU OF BACK WRAPPING. DRYVIT REINFORCING MESH MUST BE FULLY EMBEDDED IN DRYVIT BASE COAT AT EPS EDGE AND EXTEND ONTO SUBSTRATE 2 1/2" (64 MM) MIN.

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Outsulation® HDCl™ System®



Dryvit Technical Support: 800-556-7752

Detail: Termination at Roof Membrane

Drawn by: KAB

Checked by: CB

Scale: NTS

Date: 1/2022

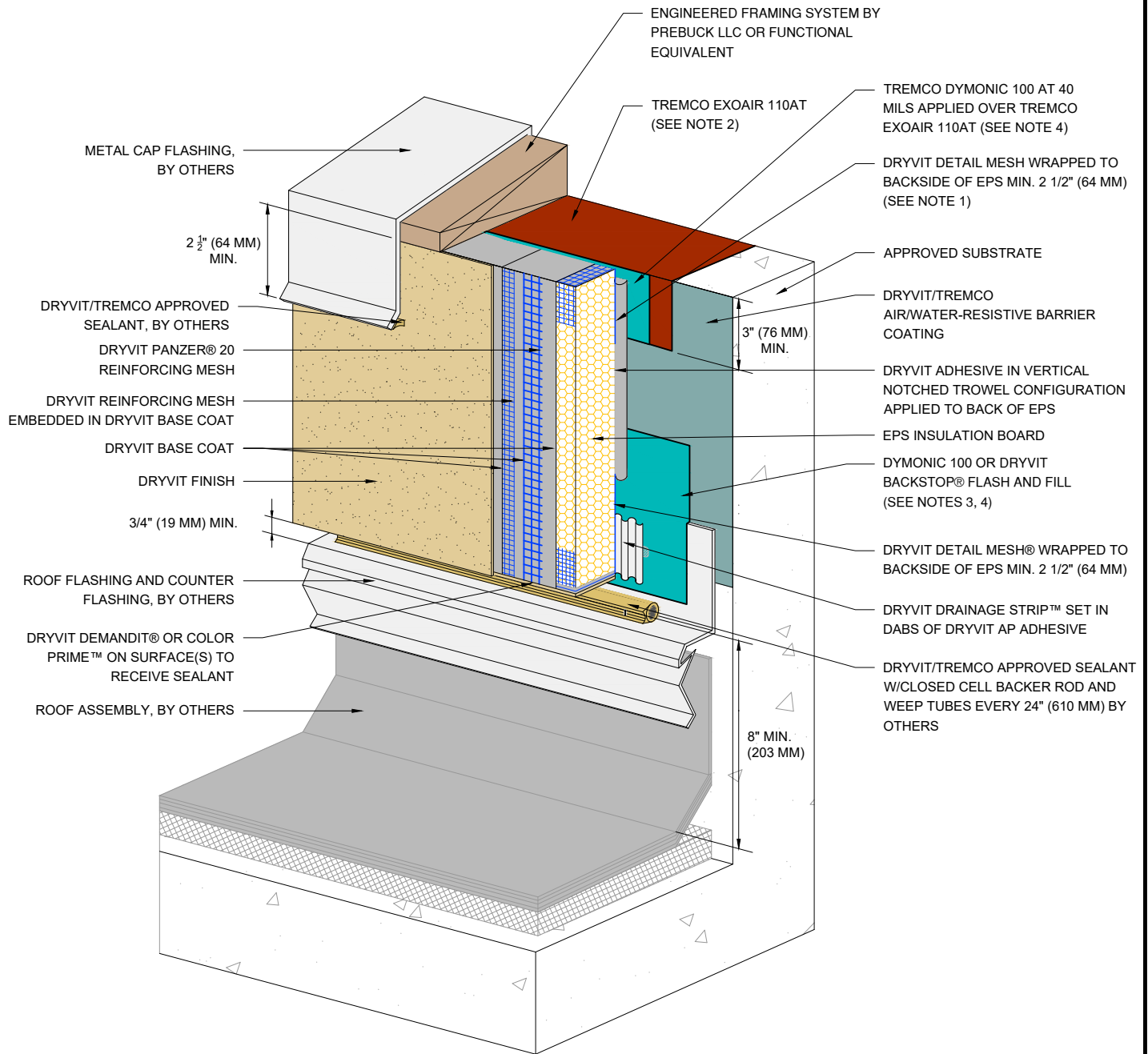
File Name:

HDCI 21



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www.tremcocpg.com



NOTES:

1. EDGE WRAPPING METHOD IS ACCEPTABLE IN LIEU OF BACK WRAPPING. DRYVIT REINFORCING MESH MUST BE FULLY EMBEDDED IN DRYVIT BASE COAT AT EPS EDGE AND EXTEND ONTO SUBSTRATE 2 1/2" (64 MM) MIN.

2. TREMCO DYMonic 100 OR DRYVIT BACKSTOP® FLASH AND FILL MAY BE USED IN LIEU OF EXOAIR 110AT. REFER TO PRODUCT DATA SHEETS FOR SPECIFIC APPLICATION METHODS.

3. REFER TO PRODUCT DATA SHEETS FOR SPECIFIC APPLICATION METHODS.

4. THE ONLY WRB TO BE USED WITH BACKSTOP® FLASH AND FILL IS BACKSTOP® NTX™.

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Outsulation® HDCl™ System®



Dryvit Technical Support: 800-556-7752

Detail: Termination at Roof Membrane - ExoAir 110AT/Dymonic 100

Drawn by: KAB

Checked by: CB

Scale: NTS

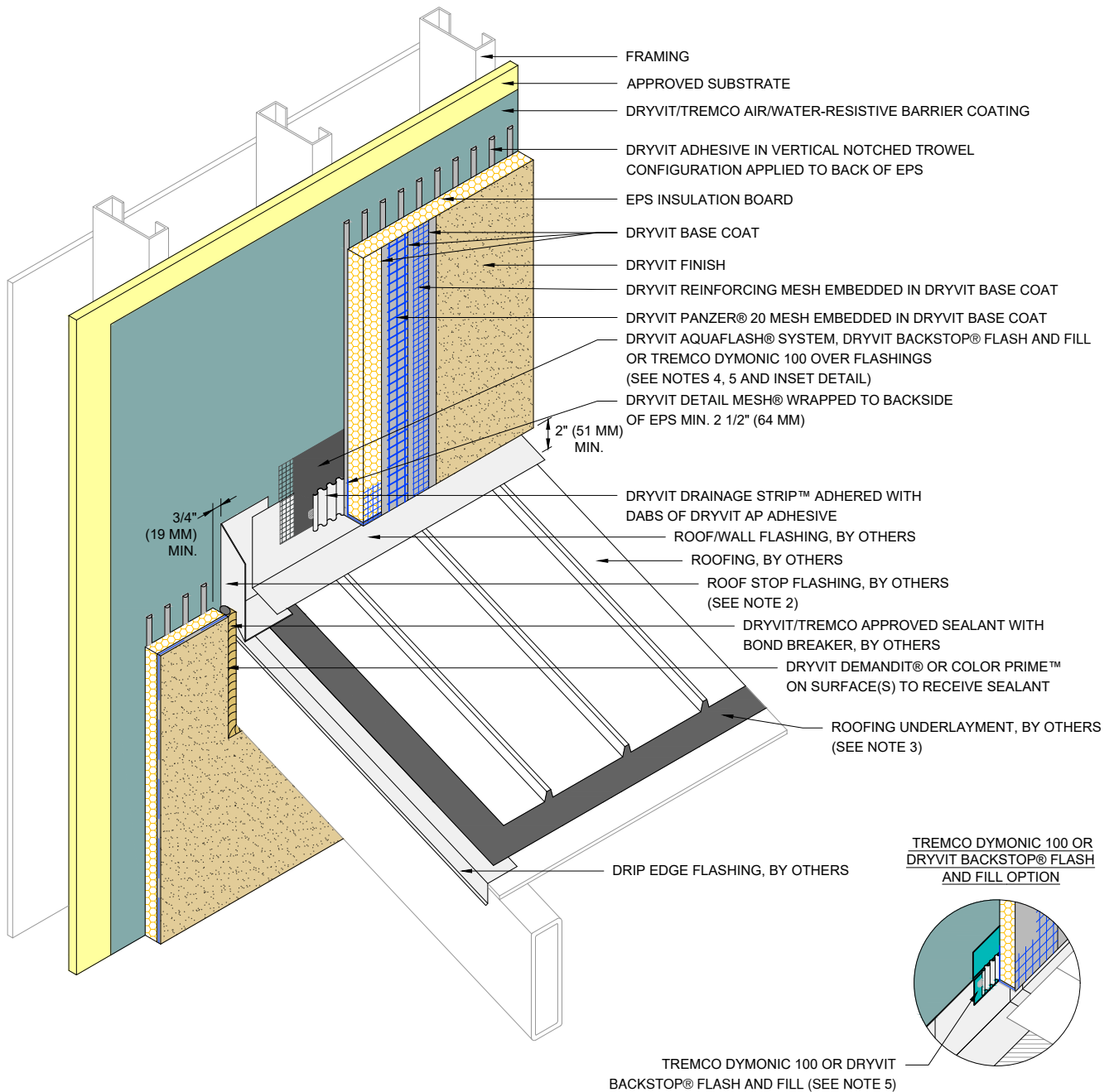
Date: 10/2021

File Name:

HDCl 21a



www.tremcocpg.com



NOTES:

1. EXTEND ROOF STOP FLASHING 1" (25 MM) MINIMUM BEYOND FACE OF THE SYSTEM.

2. ROOF STOP TO BE MADE FROM CORROSION RESISTANT MATERIAL MIN. 24 GAUGE WITH WATER TIGHT SEAMS.

3. EXTEND ROOFING UNDERLAYMENT 5" (127 MM) UP VERTICAL WALL BEHIND METAL FLASHING.

4. REFER TO PRODUCT DATA SHEETS FOR SPECIFIC APPLICATION METHODS.

5. THE ONLY WRB TO BE USED WITH BACKSTOP® FLASH AND FILL IS BACKSTOP® NTX™.

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Outsulation® HDCI™ System®



Dryvit Technical Support: 800-556-7752

Detail: Termination at Roof Stop Flashing

Drawn by: KAB

Checked by: CB

Scale: NTS

Date: 10/2021

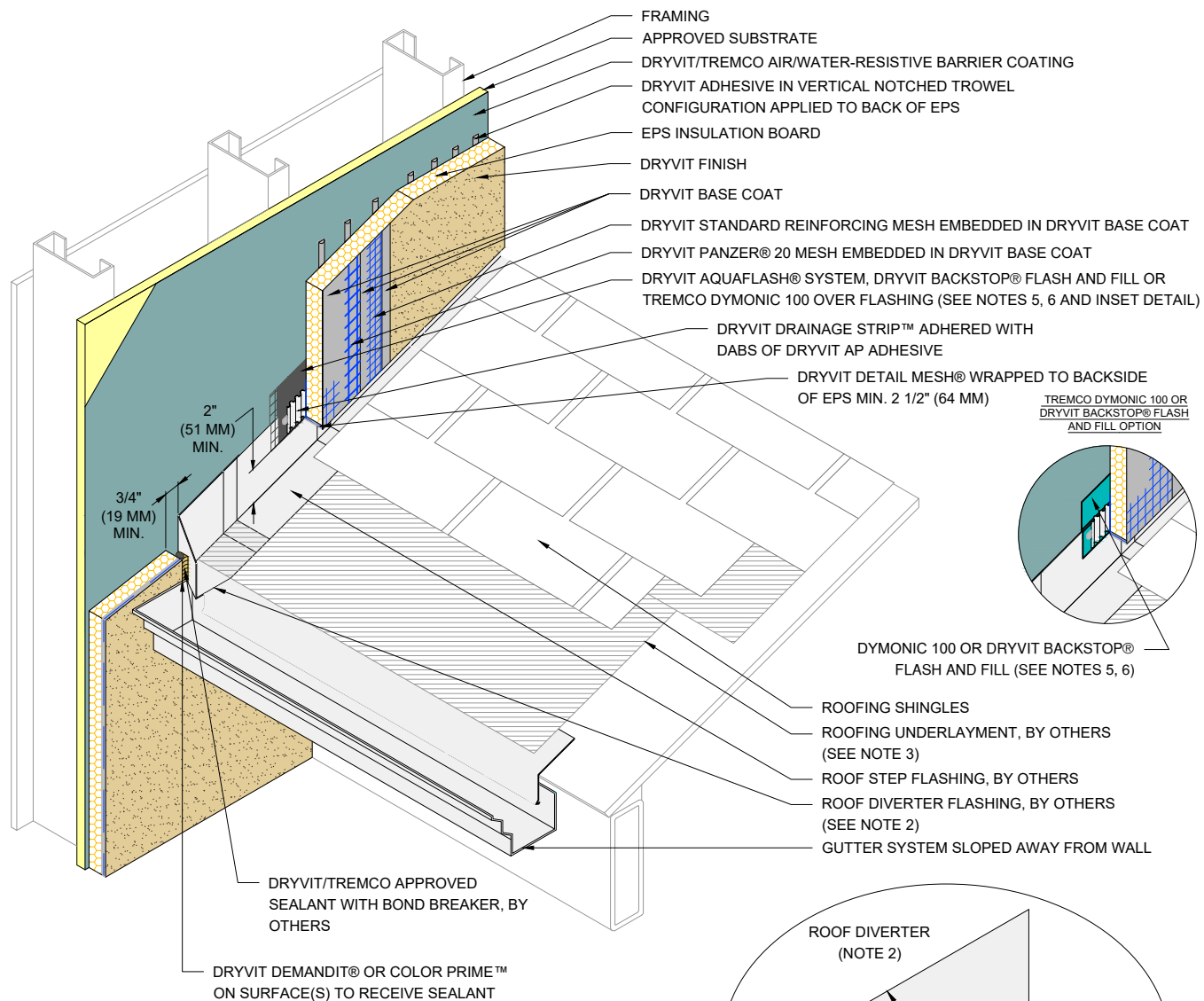
File Name:

HDCI 22



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NOTES:

1. EXTEND DIVERTER FLASHING (KICKOUT) A MINIMUM OF 1" (25 MM) BEYOND FACE OF THE SYSTEM.

2. ROOF DIVERTER TO BE MADE FROM CORROSION RESISTANT MATERIAL MIN. 24 GAGE WITH WATER TIGHT SEAMS.

3. EXTEND ROOFING UNDERLAYMENT 5" (127 MM) UP VERTICAL WALL BEHIND METAL FLASHING.

4. METAL FLASHINGS ARE 10" (254 MM) X 2" (51 MM) LONGER THAN THE EXPOSED PORTION OF THE ROOFING SHINGLE AND ARE BENT IN HALF TO ALLOW FOR TWO 5" (127 MM) LEGS. ALTHOUGH NOT SHOWN, METAL FLASHINGS ARE STEP FLASHED (INTERWOVEN) WITH ROOFING SHINGLES.

5. REFER TO PRODUCT DATA SHEETS FOR SPECIFIC APPLICATION METHODS.

6. THE ONLY WRB TO BE USED WITH BACKSTOP® FLASH AND FILL IS BACKSTOP® NTX™.

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Outsulation® HDCI™ System®



Dryvit Technical Support: 800-556-7752

Detail: Termination at Sloped Roof

Drawn by: KAB

Checked by: CB

Scale: NTS

Date: 10/2021

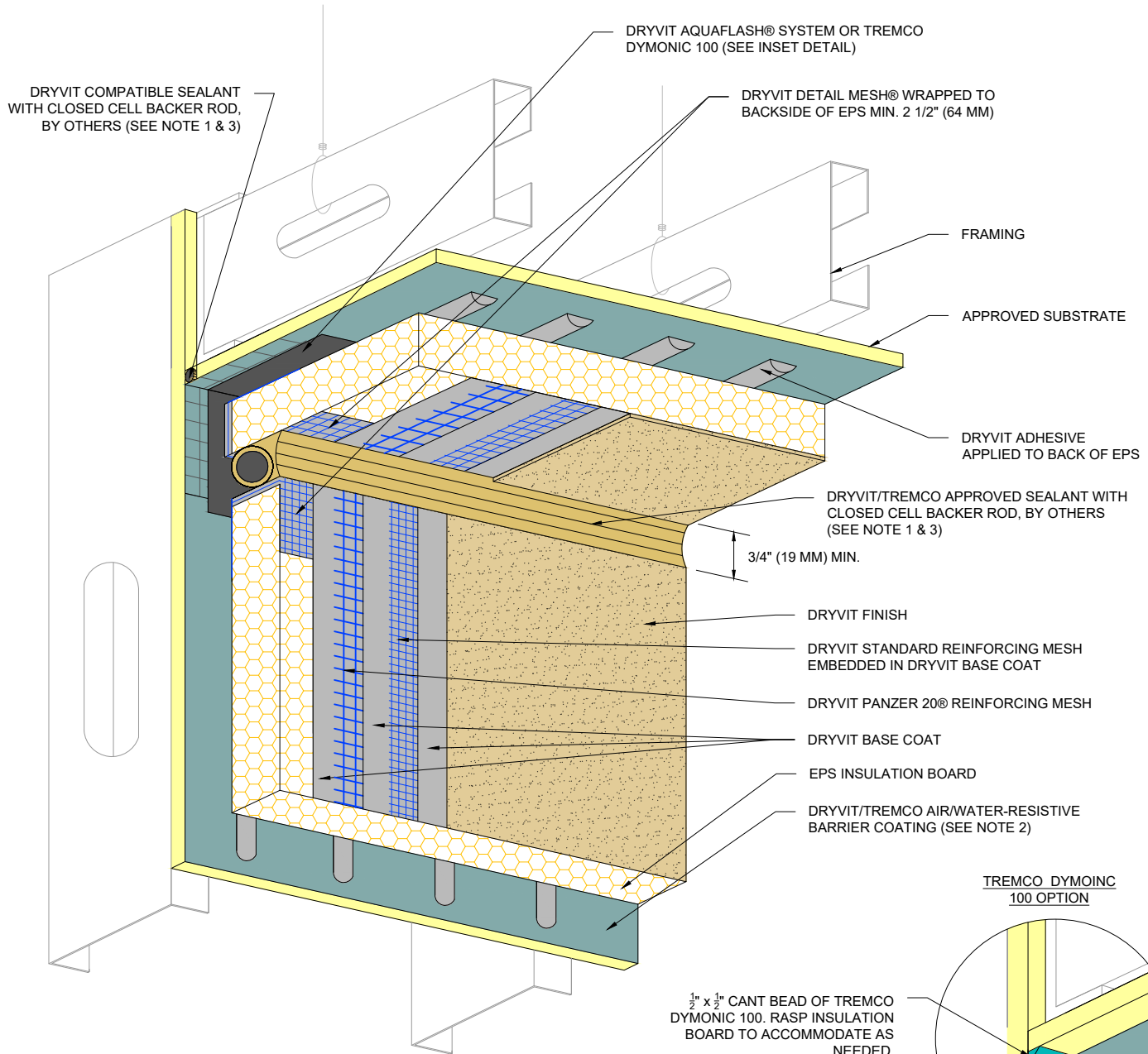
File Name:

HDCI 23



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NOTES:

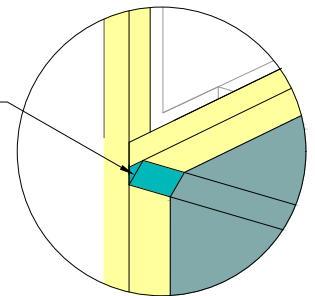
1. DRYVIT DEMANDIT® OR COLOR PRIME™ ON SURFACES TO RECEIVE SEALANT.

2. DRYVIT/TREMCO AIR/WATER-RESISTIVE BARRIER IS REQUIRED OVER VERTICAL SUBSTRATES. APPLICATION OVER HORIZONTAL SOFFIT SUBSTRATE IS OPTIONAL UNLESS REQUIRED AS PART OF A CONTINUOUS AIR BARRIER SYSTEM.

3. SEALANT JOINT IS REQUIRED FOR SUSPENDED SOFFITS. OPTIONAL FOR RIGIDLY FRAMED.

$\frac{1}{2}'' \times \frac{1}{2}''$ CANT BEAD OF TREMCO DYMONIC 100. RASP INSULATION BOARD TO ACCOMMODATE AS NEEDED.

TREMCO DYMONIC 100 OPTION



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Outsulation® HDCI™ System®



Dryvit Technical Support: 800-556-7752

Detail: Vertical Wall/ Suspended Soffit Transition

Drawn by: KAB

Checked by: CB

Scale: NTS

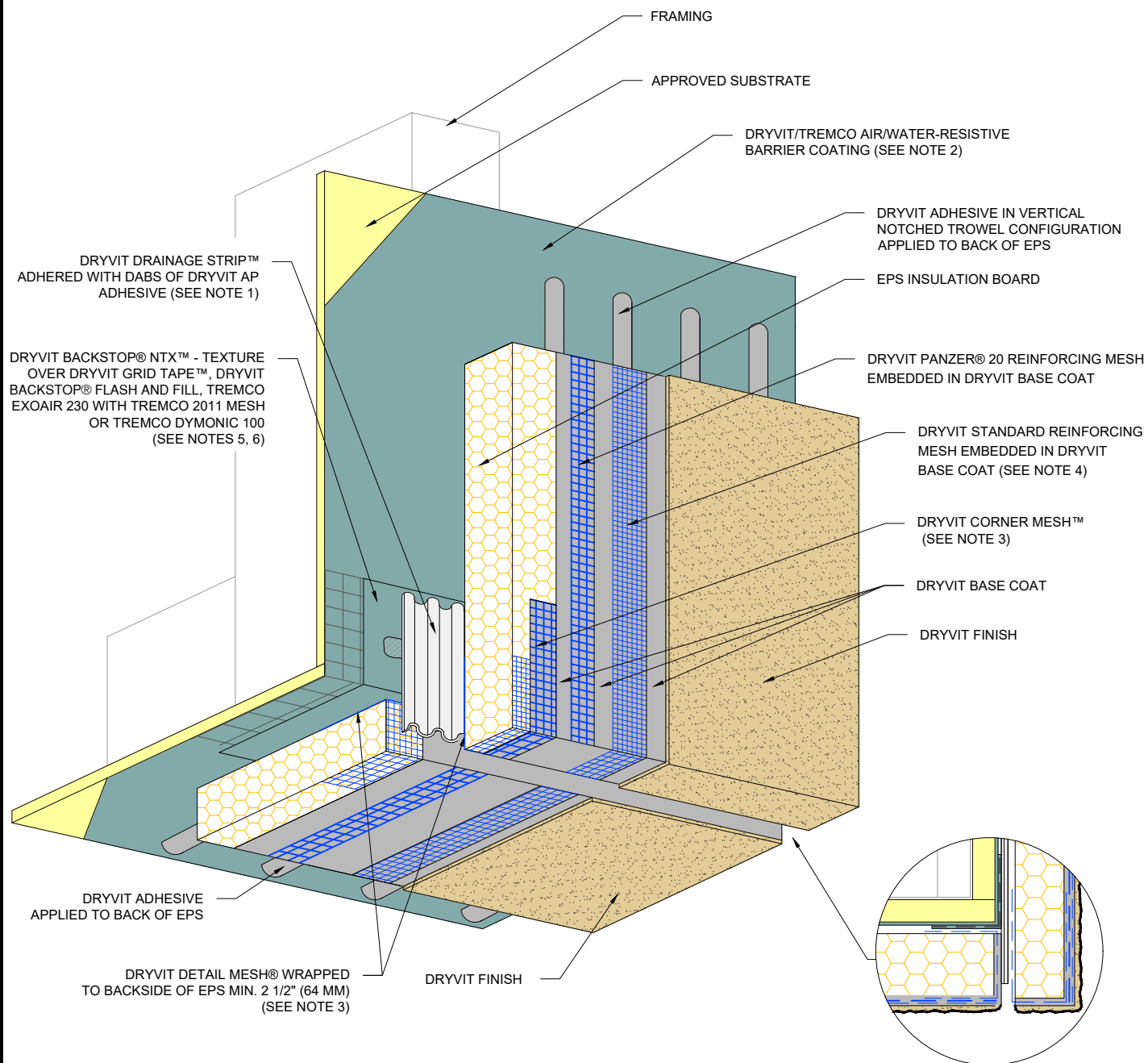
Date: 10/2021

File Name:

HDCI 24



www.tremcocpg.com



NOTES:

1. ENSURE BOTTOM EDGE OF DRAINAGE STRIP IS LEFT FREE TO DRAIN.

2. DRYVIT/TREMCO AIR/WATER-RESISTIVE BARRIER IS REQUIRED OVER VERTICAL SUBSTRATES, APPLICATION OVER HORIZONTAL SOFFIT SUBSTRATE IS OPTIONAL UNLESS REQUIRED AS PART OF A CONTINUOUS AIR BARRIER SYSTEM.

3. DRYVIT CORNER MESH AND DRYVIT DETAIL MESH ARE EMBEDDED IN DRYVIT BASE COAT, NOT SHOWN FOR CLARITY.

4. EXTEND DRYVIT STANDARD REINFORCING MESH ONTO EDGE OF EPS.

5. REFER TO PRODUCT DATA SHEETS FOR SPECIFIC APPLICATION METHODS.

6. THE ONLY WRB TO BE USED WITH BACKSTOP® FLASH AND FILL IS BACKSTOP® NTXTM.

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Outsulation® HDCl™ System®



Dryvit Technical Support: 800-556-7752

Detail: Transition at Soffit/ Fascia Intersection

Drawn by: KAB

Checked by: CB

Scale: NTS

Date: 10/2021

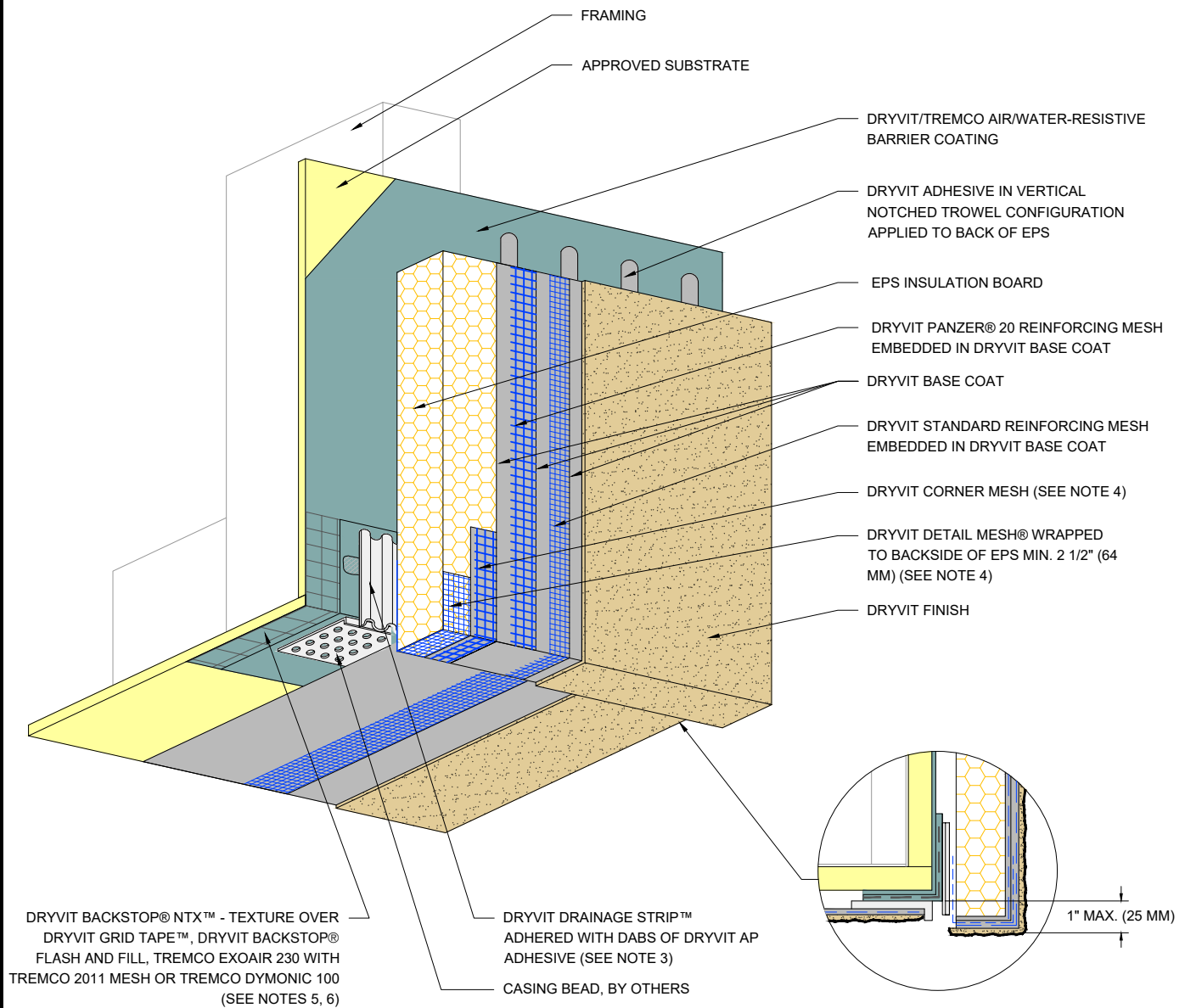
File Name:

HDCl 25



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NOTES:

1. SOFFITS WITHOUT EPS INSULATION REQUIRE EXPANSION JOINTS EVERY 20 FT (6.1 M).
2. REFER TO DRYVIT PUBLICATION DS 173 FOR SPECIFIC REQUIREMENTS FOR SOFFIT AREAS.
3. BOTTOM EDGE OF DRYVIT DRAINAGE STRIP SHALL BE MASKED DURING INSTALLATION TO PREVENT CLOGGING OF DRAINAGE CHANNELS.

4. DRYVIT CORNER MESH AND DRYVIT DETAIL MESH ARE EMBEDDED IN DRYVIT BASE COAT, NOT SHOWN FOR CLARITY.
5. REFER TO PRODUCT DATA SHEETS FOR SPECIFIC APPLICATION METHODS.
6. THE ONLY WRB TO BE USED WITH BACKSTOP® FLASH AND FILL IS BACKSTOP® NTX™.

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Outsulation® HDCI™ System®



Dryvit Technical Support: 800-556-7752

Detail: Fascia/ Uninsulated Soffit Transition

Drawn by: KAB

Checked by: CB

Scale: NTS

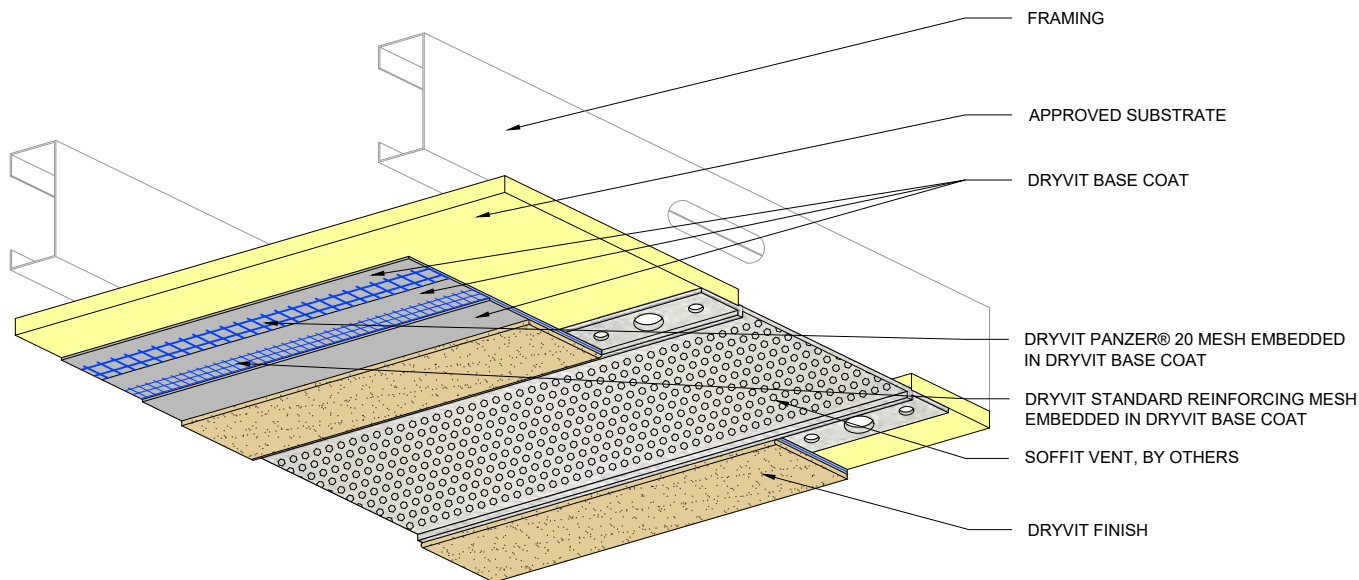
Date: 10/2021

File Name:

HDCI 26



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NOTES:

1. CONTROL JOINTS ARE RECOMMENDED EVERY 20 FT (6.1 M).

2. REFER TO DRYVIT PUBLICATION DS173 FOR SPECIFIC REQUIREMENTS FOR SOFFIT AREAS.

3. SEAL ALL BUTT JOINTS, INTERSECTIONS, AND ENDS OF VENTS WITH COMPATIBLE SEALANT.

4. SEE DRYVIT PUBLICATION DS842 FOR ADDITIONAL DIRECT APPLIED DETAILS.

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Outsulation® HDCI™ System®



Dryvit Technical Support: 800-556-7752

Detail: Termination at Uninsulated Soffit Vent

Drawn by: KAB

Checked by: CB

Scale: NTS

Date: 10/2021

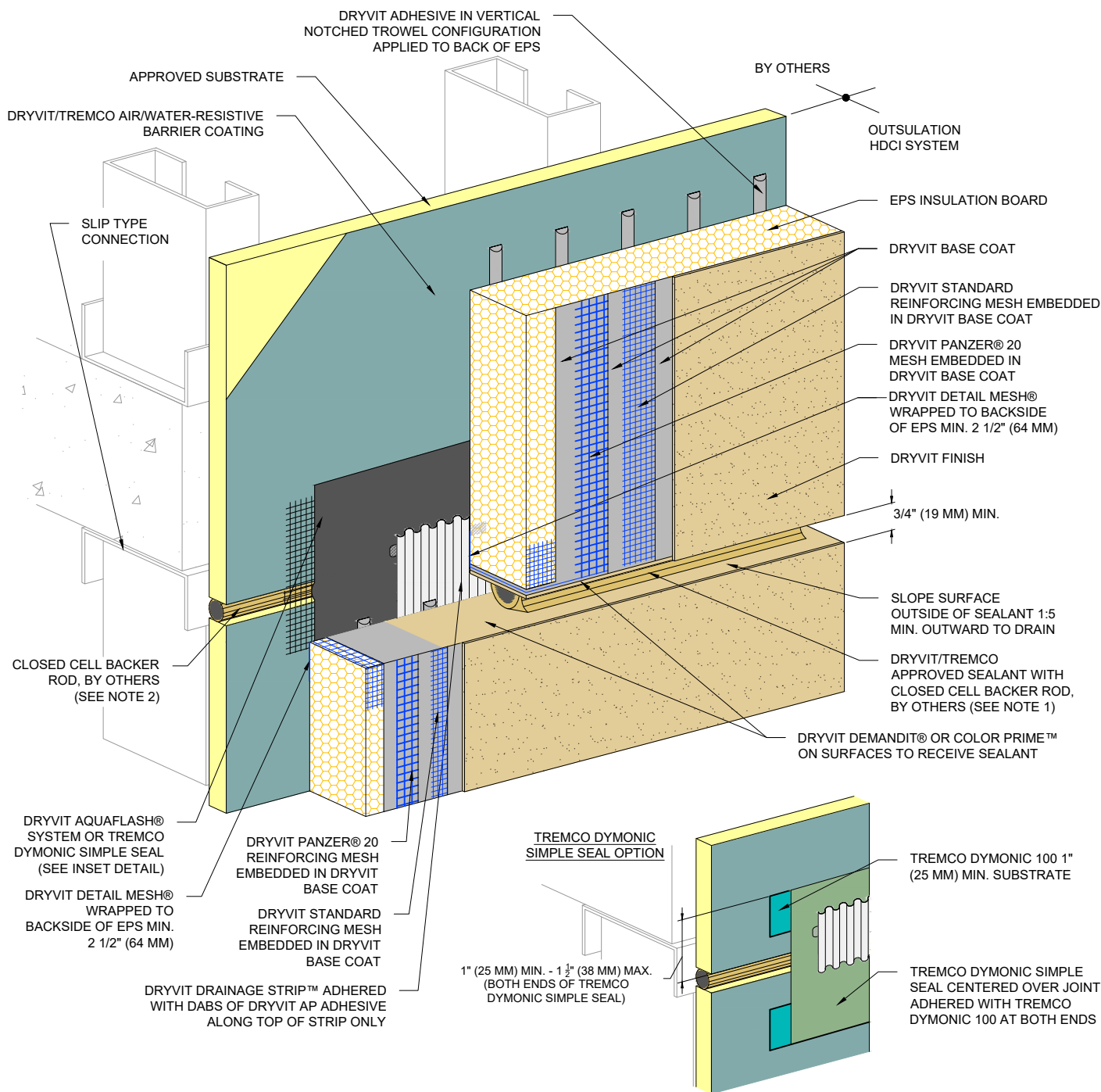
File Name:

HDCI 27



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NOTES:

1. LOCATE EXTERNAL SEALANT JOINT WITHIN 2" (51 MM) OF BREAK IN SHEATHING.

2. EXPANSION JOINT IN THE OUTSULATION HDCI SYSTEM IS NECESSARY WHERE SIGNIFICANT DIFFERENTIAL MOVEMENT IS EXPECTED AT FLOOR LINES.

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Outsulation® HDCI™ System®



Dryvit Technical Support: 800-556-7752

Detail: Horizontal Slip Joint without Weeps

Drawn by: KAB

Checked by: CB

Scale: NTS

Date: 10/2021

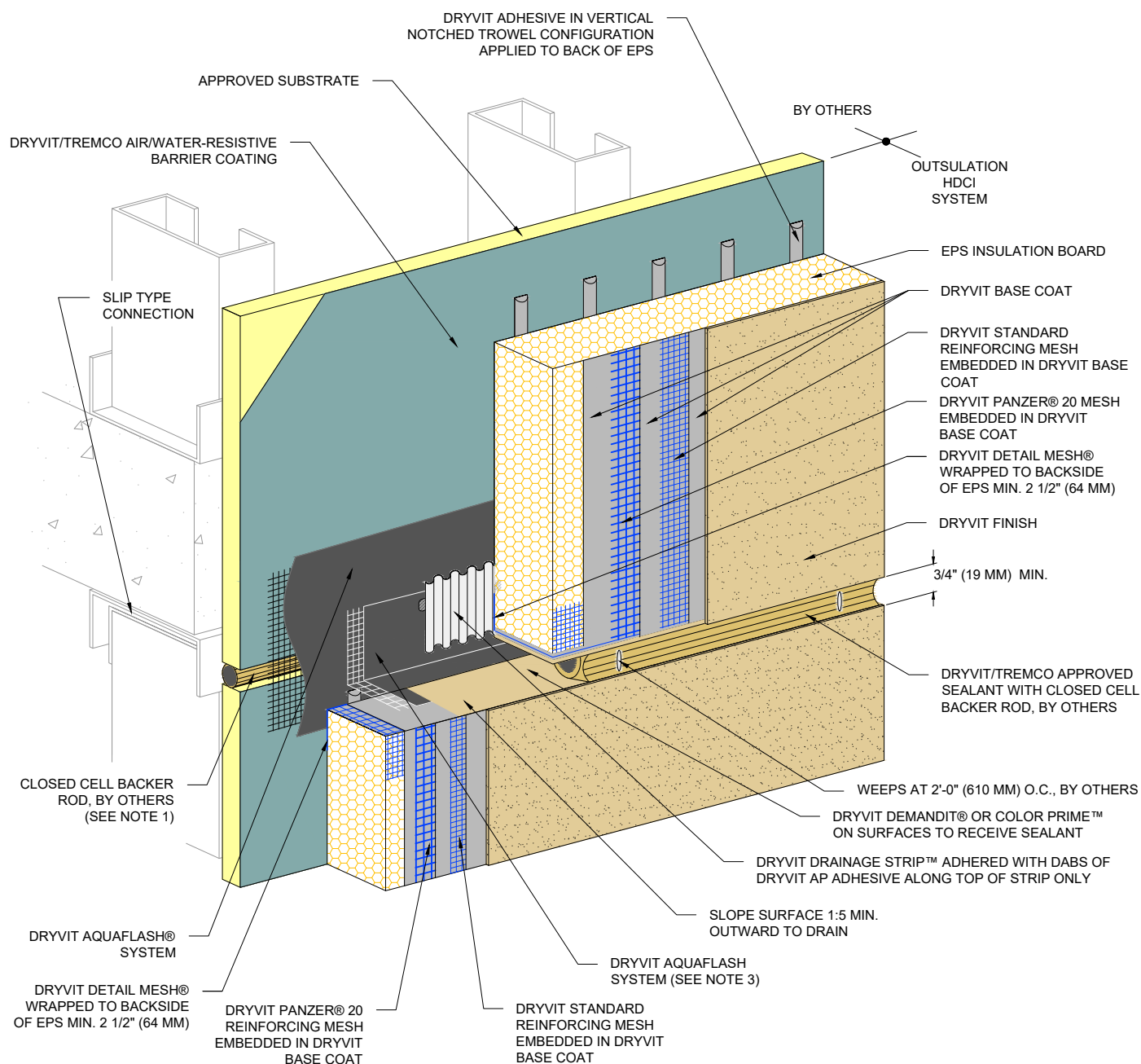
File Name:

HDCI 28



Construction Products Group

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NOTES:

1. EXPANSION JOINT IN THE OUTSULATION HDCI SYSTEM IS NECESSARY WHERE SIGNIFICANT DIFFERENTIAL MOVEMENT IS EXPECTED AT FLOOR LINES.

2. LOCATE EXTERNAL SEALANT JOINT WITHIN 2" (51 MM) OF BREAK IN SHEATHING.

3. STOP AQUAFLASH SHORT OF SEALANT BOND LINE.

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Outsulation® HDCI™ System®



Dryvit Technical Support: 800-556-7752

Detail: Horizontal Slip Joint with Weeps

Drawn by: KAB

Checked by: CB

Scale: NTS

Date: 10/2021

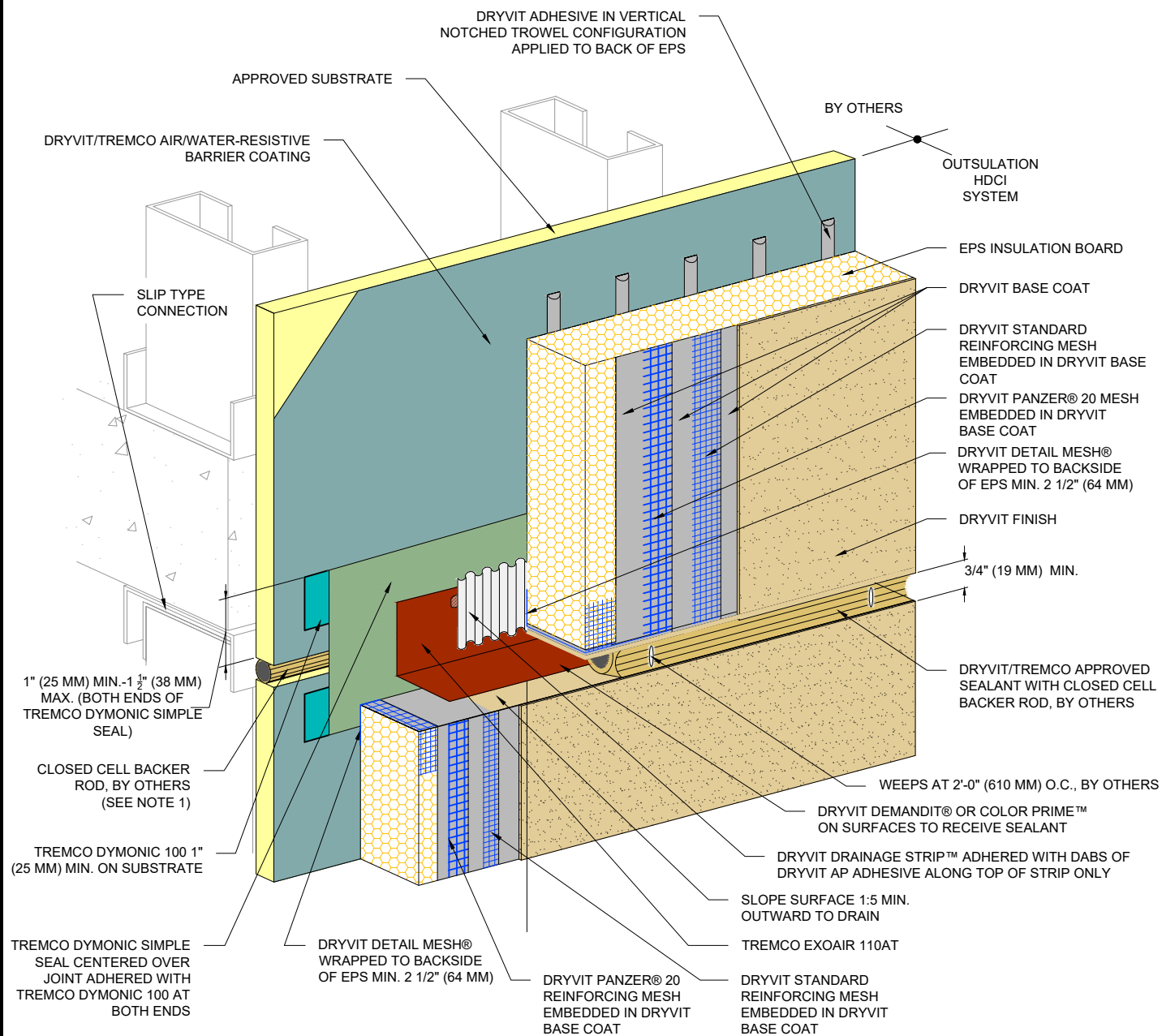
File Name:

HDCI 29



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NOTES:

1. EXPANSION JOINT IN THE OUTSULATION HDCI SYSTEM IS NECESSARY WHERE SIGNIFICANT DIFFERENTIAL MOVEMENT IS EXPECTED AT FLOOR LINES.

2. LOCATE EXTERNAL SEALANT JOINT WITHIN 2" (51 MM) OF BREAK IN SHEATHING.

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Outsulation® HDCI™ System®



Dryvit Technical Support: 800-556-7752

Detail: Horizontal Slip Joint with Weeps - Dymonic Simple Seal Option

Drawn by: KAB

Checked by: CB

Scale: NTS

Date: 10/2021

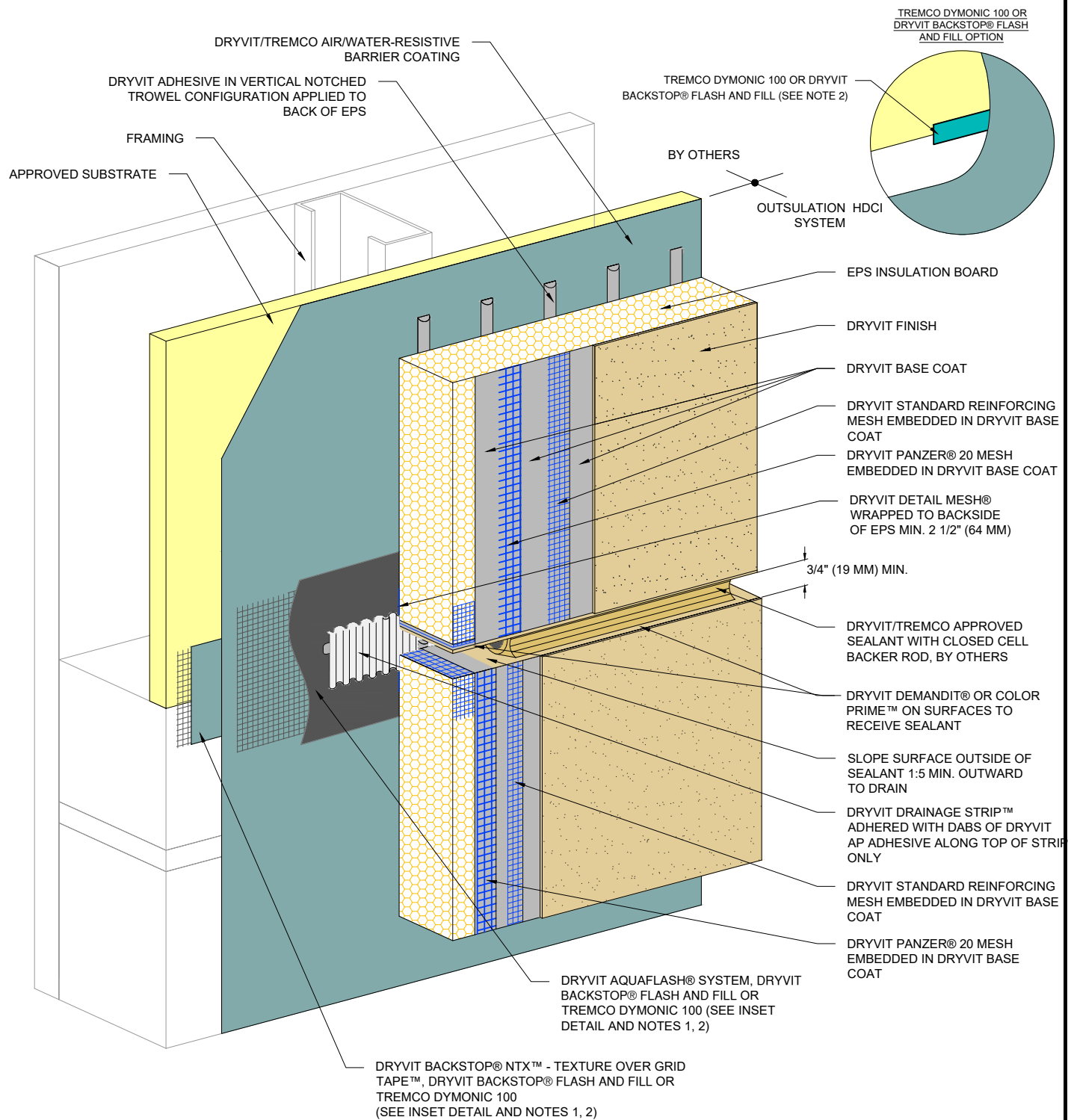
File Name:

HDCI 29a



Construction Products Group

www.tremcocpg.com



NOTES:

1. REFER TO PRODUCT DATA SHEETS FOR SPECIFIC APPLICATION METHODS.

2. THE ONLY WRB TO BE USED WITH BACKSTOP® FLASH AND FILL IS BACKSTOP® NTX™.

The architecture, engineering, and design of the project using the Dryvit and Tremco products are the responsibility of the project's design professional. All products and systems must comply with local building codes and standards. This detail is for general information and guidance only and Dryvit and Tremco specifically disclaims any liability for the use of this detail. The project design professional determines, in its sole discretion, whether this detail or a functionally equivalent detail is best suited for the project. This detail is subject to change without notice. Contact Dryvit and Tremco to ensure you have the most recent version.

Outsulation® HDCI™ System®



Dryvit Technical Support: 800-556-7752

Detail: Horizontal Joint - Substrate Change

Drawn by: KAB

Checked by: CB

Scale: NTS

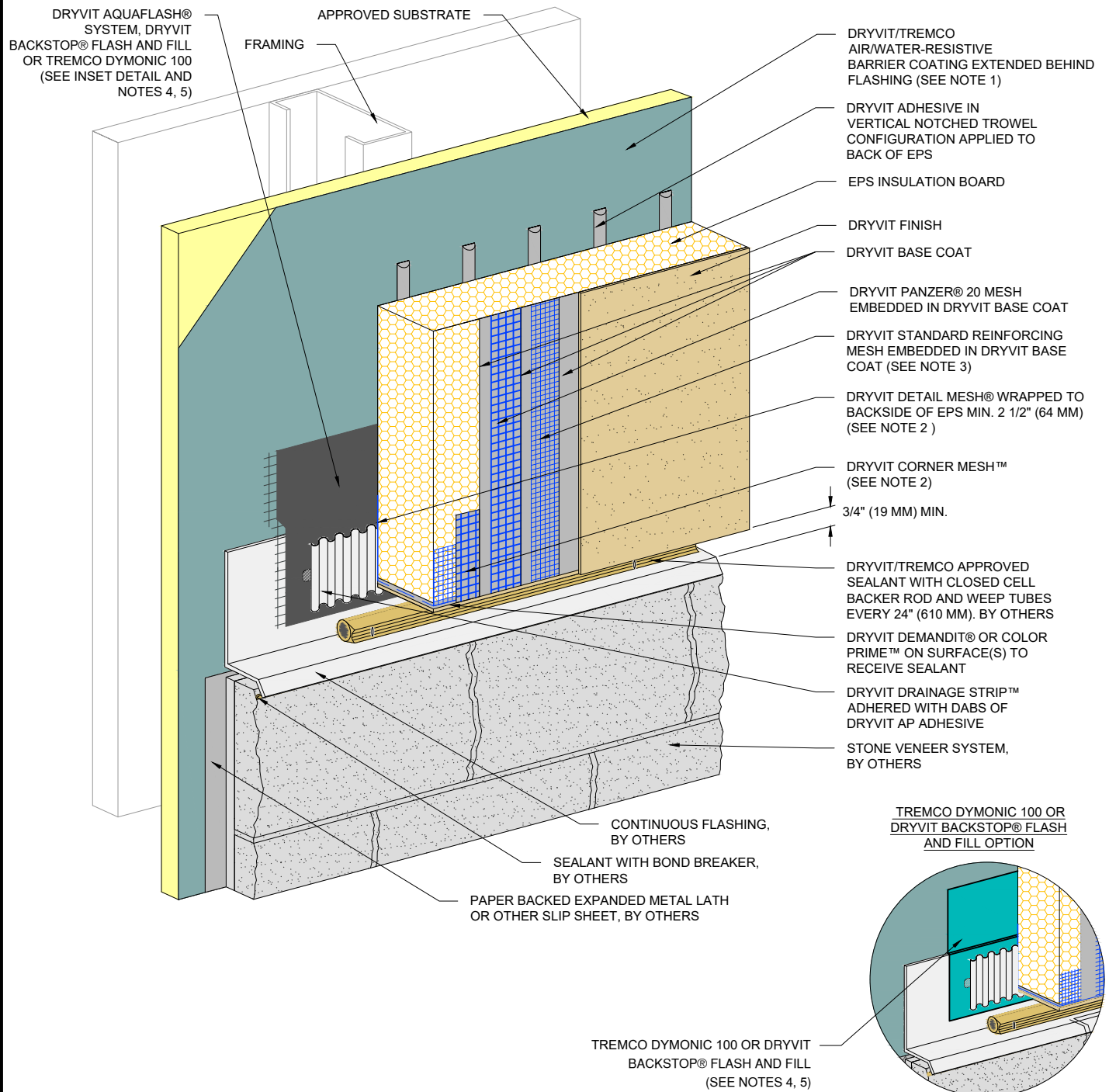
Date: 10/2021

File Name:

HDCI 30



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NOTES:

1. FOR INSTALLATION OF BACKSTOP® NTX™ BENEATH CLADDINGS OTHER THAN DRYVIT EIFS, REFER TO DRYVIT PUBLICATION DS840.

2. DRYVIT CORNER MESH AND DRYVIT DETAIL MESH ARE EMBEDDED IN A DRYVIT BASE COAT, NOT SHOWN FOR CLARITY.

3. EXTEND DRYVIT STANDARD REINFORCING MESH ONTO EDGE OF EPS.

4. REFER TO PRODUCT DATA SHEETS FOR SPECIFIC APPLICATION METHODS.

5. THE ONLY WRB TO BE USED WITH BACKSTOP® FLASH AND FILL IS BACKSTOP® NTX™.

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Outsulation® HDCI™ System®



Dryvit Technical Support: 800-556-7752

Detail: Horizontal Termination at Stone Veneer

Drawn by: KAB

Checked by: CB

Scale: NTS

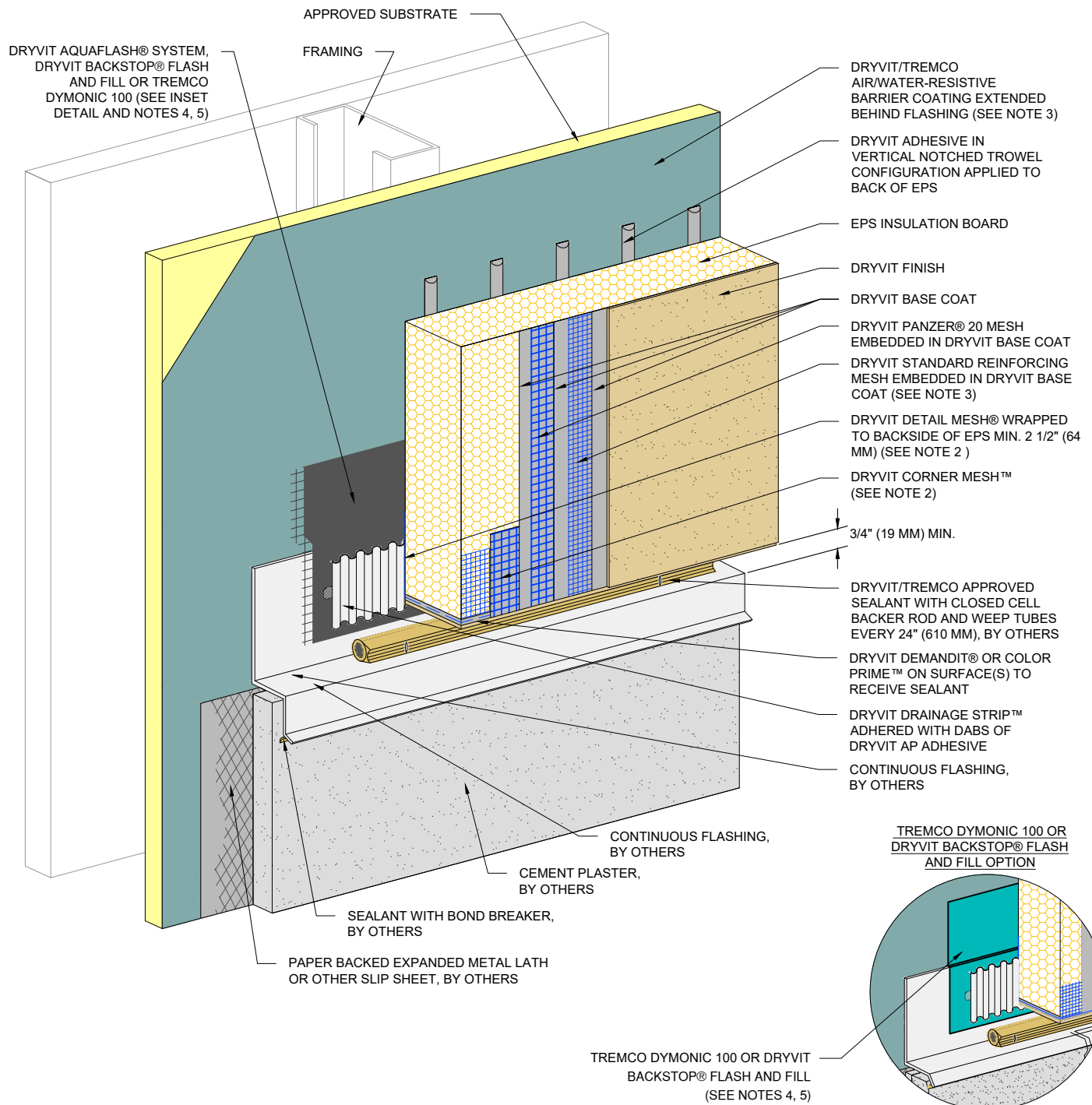
Date: 10/2021

File Name:

HDCI 31



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NOTES:

1. FOR INSTALLATION OF BACKSTOP® NTX™ BENEATH CLADDINGS OTHER THAN DRYVIT EIFS, REFER TO DRYVIT PUBLICATION DS840.

2. DRYVIT CORNER MESH AND DRYVIT DETAIL MESH ARE EMBEDDED IN A DRYVIT BASE COAT, NOT SHOWN FOR CLARITY.

3. EXTEND DRYVIT STANDARD REINFORCING MESH ONTO EDGE OF EPS.

4. REFER TO PRODUCT DATA SHEETS FOR SPECIFIC APPLICATION METHODS.

5. THE ONLY WRB TO BE USED WITH BACKSTOP® FLASH AND FILL IS BACKSTOP® NTX™.

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Outsulation® HDCI™ System®



Dryvit Technical Support: 800-556-7752

Detail: Horizontal Termination at Stucco

Drawn by: KAB

Checked by: CB

Scale: NTS

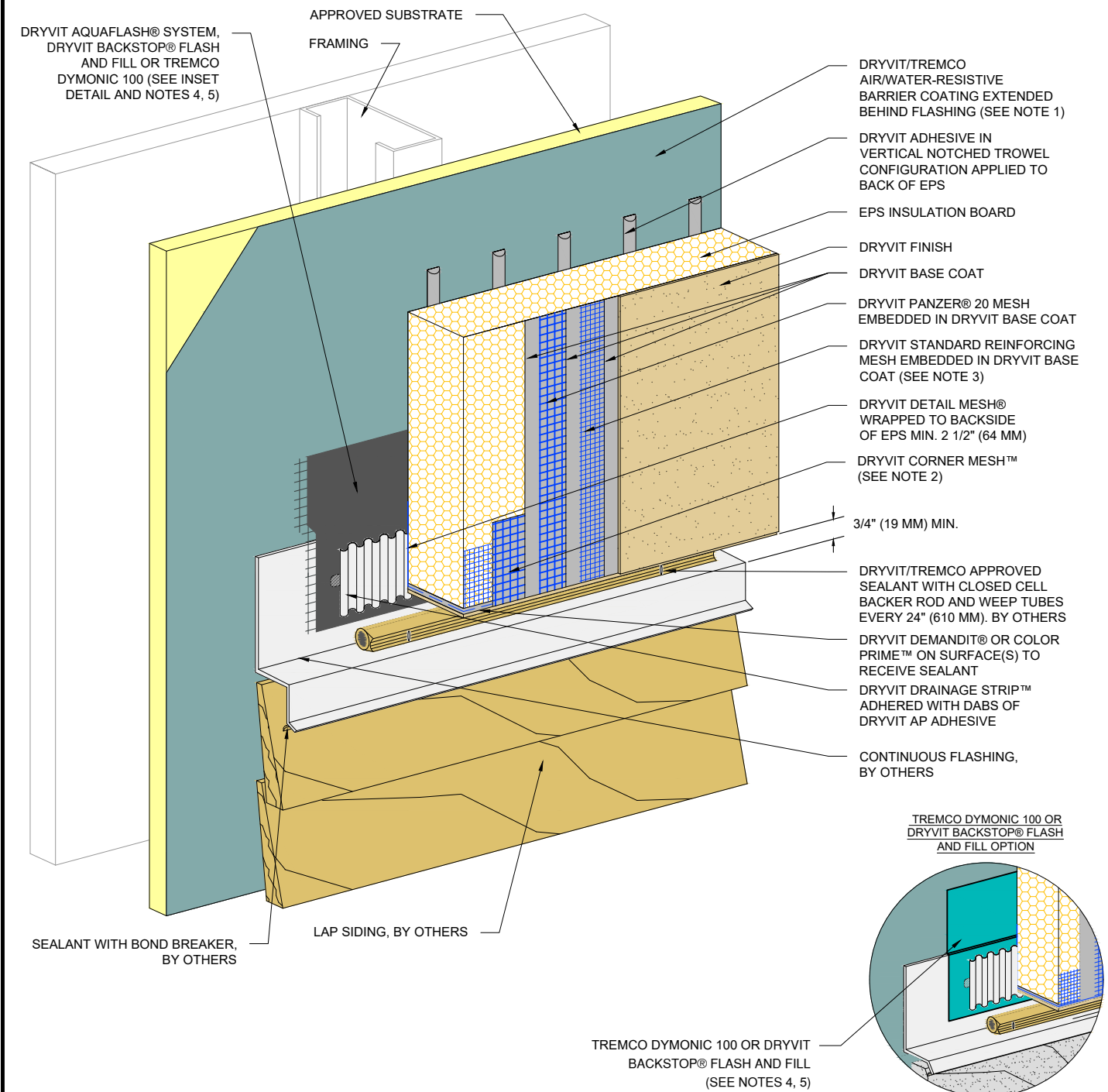
Date: 10/2021

File Name:

HDCI 32



www.tremcocpg.com



NOTES:

1. FOR INSTALLATION OF BACKSTOP® NTX™ BENEATH CLADDINGS OTHER THAN DRYVIT EIFS, REFER TO DRYVIT PUBLICATION DS840.

2. DRYVIT CORNER MESH AND DRYVIT DETAIL MESH ARE EMBEDDED IN A DRYVIT BASE COAT, NOT SHOWN FOR CLARITY.

3. EXTEND DRYVIT STANDARD REINFORCING MESH ONTO EDGE OF EPS.

4. REFER TO PRODUCT DATA SHEETS FOR SPECIFIC APPLICATION METHODS.

5. THE ONLY WRB TO BE USED WITH BACKSTOP® FLASH AND FILL IS BACKSTOP® NTX™.

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Outsulation® HDCI™ System®



Dryvit Technical Support: 800-556-7752

Detail: Horizontal Termination at Lapped Siding

Drawn by: KAB

Checked by: CB

Scale: NTS

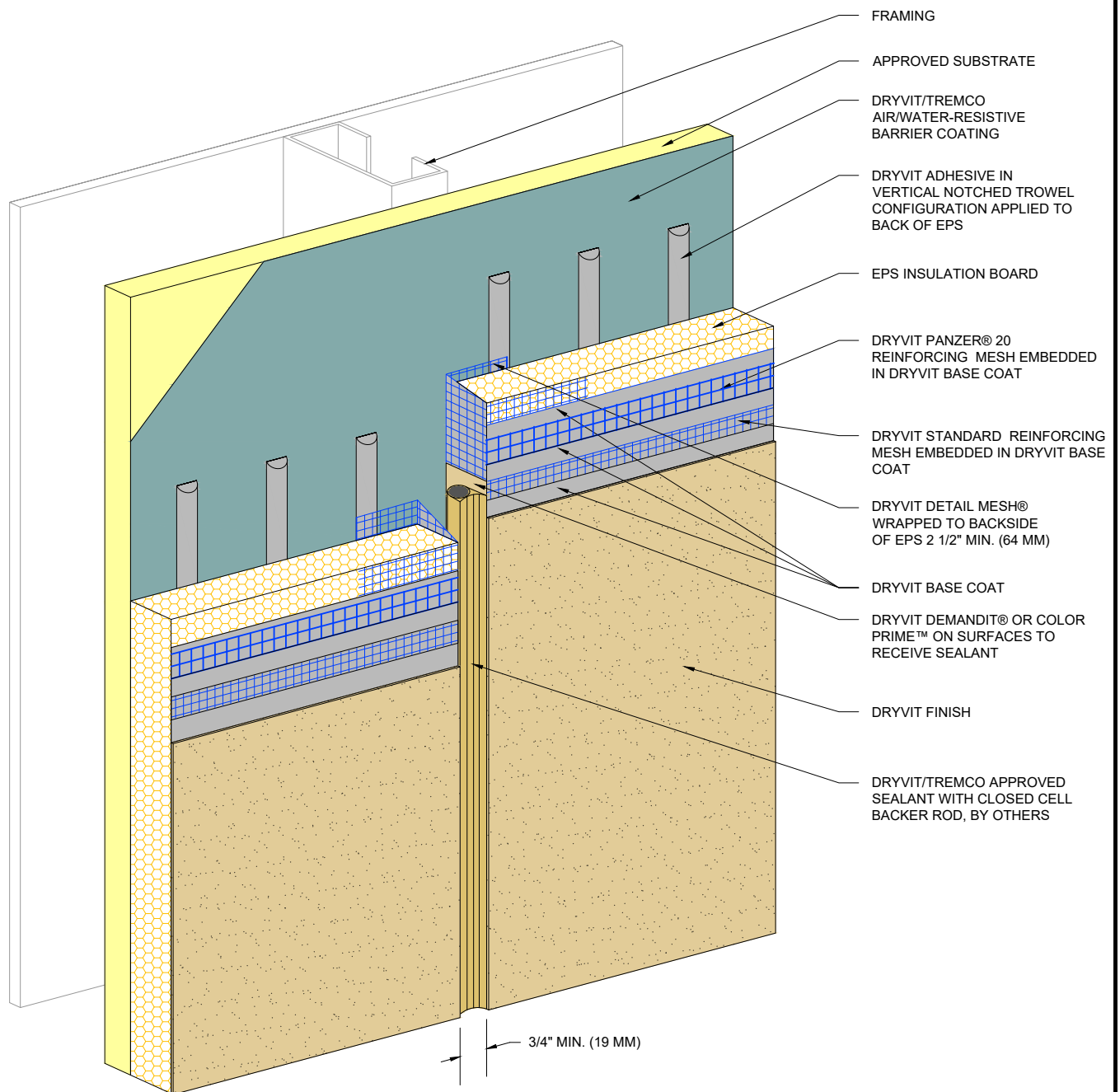
Date: 10/2021

File Name:

HDCI 33



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NOTE:

1. EIFS EXPANSION JOINTS ARE REQUIRED IN CONTINUOUS ELEVATIONS AT INTERVALS NOT EXCEEDING 75 FT (51 MM).

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Outsulation® HDCI™ System®



Dryvit Technical Support: 800-556-7752

Detail: Vertical EIFS Expansion Joint

Drawn by: KAB

Checked by: CB

Scale: NTS

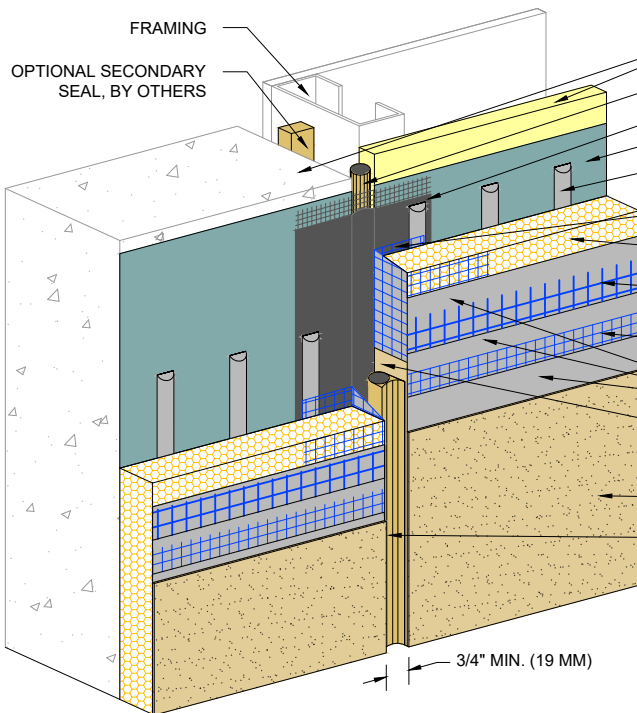
Date: 10/2021

File Name:

HDCI 34

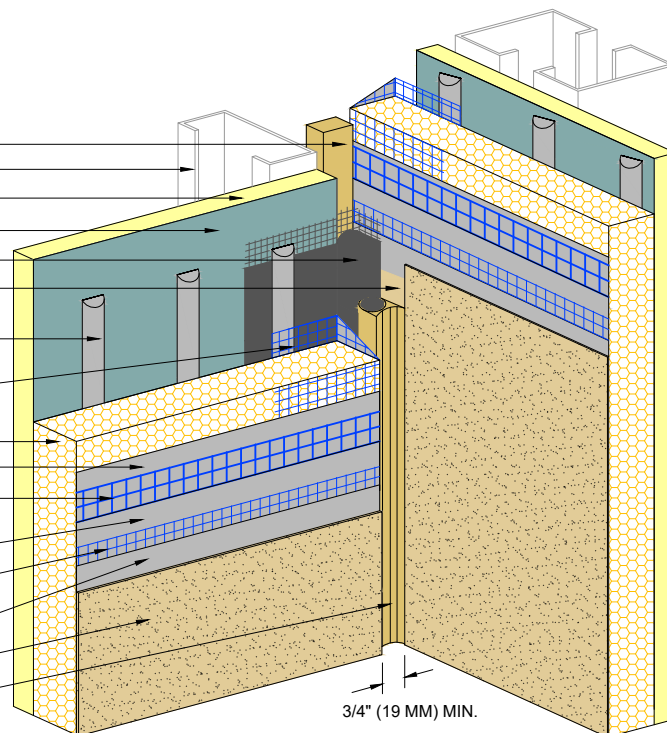


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APPROVED SUBSTRATE
CLOSED CELL BACKER ROD, BY OTHERS (SEE NOTE 1)
DRYVIT AQUAFLASH® SYSTEM
DRYVIT/TREMCO AIR/WATER-RESISTIVE BARRIER COATING
DRYVIT ADHESIVE IN VERTICAL NOTCHED TROWEL CONFIGURATION APPLIED TO BACK OF EPS
DRYVIT DETAIL MESH® WRAPPED TO BACKSIDE OF EPS MIN. 2 1/2" (64 MM)
EPS INSULATION BOARD
DRYVIT PANZER® 20 REINFORCING MESH EMBEDDED IN DRYVIT BASE COAT
DRYVIT STANDARD REINFORCING MESH EMBEDDED IN DRYVIT BASE COAT
DRYVIT BASE COAT
DRYVIT DEMANDIT® OR COLOR PRIME™ ON SURFACES TO RECEIVE SEALANT
DRYVIT FINISH
DRYVIT/TREMCO APPROVED COMPATIBLE SEALANT WITH CLOSED CELL BACKER ROD, BY OTHERS

OPTIONAL SECONDARY SEAL, BY OTHERS
FRAMING
APPROVED SUBSTRATE
DRYVIT/TREMCO AIR/WATER-RESISTIVE BARRIER COATING
DRYVIT AQUAFLASH SYSTEM
DRYVIT DEMANDIT OR COLOR PRIME ON SURFACES TO RECEIVE SEALANT
DRYVIT ADHESIVE IN VERTICAL NOTCHED TROWEL CONFIGURATION APPLIED TO BACK OF EPS
DRYVIT DETAIL MESH WRAPPED TO BACKSIDE OF EPS MIN. 2 1/2" (64 MM)
EPS INSULATION BOARD
DRYVIT BASE COAT
DRYVIT PANZER® 20 REINFORCING MESH EMBEDDED IN DRYVIT BASE COAT
DRYVIT BASE COAT
DRYVIT STANDARD REINFORCING MESH EMBEDDED IN DRYVIT BASE COAT
DRYVIT BASE COAT
DRYVIT FINISH
DRYVIT/TREMCO APPROVED SEALANT WITH CLOSED CELL BACKER ROD, BY OTHERS



NOTE:
1. LOCATE EXTERNAL SEALANT JOINT WITHIN 2" (51 MM) OF SUBSTRATE JOINT.

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Outsulation® HDCI™ System®



Dryvit Technical Support: 800-556-7752

Detail: Through-Wall Expansion Joint

Drawn by: KAB

Checked by: CB

Scale: NTS

Date: 10/2021

File Name:

HDCI 35



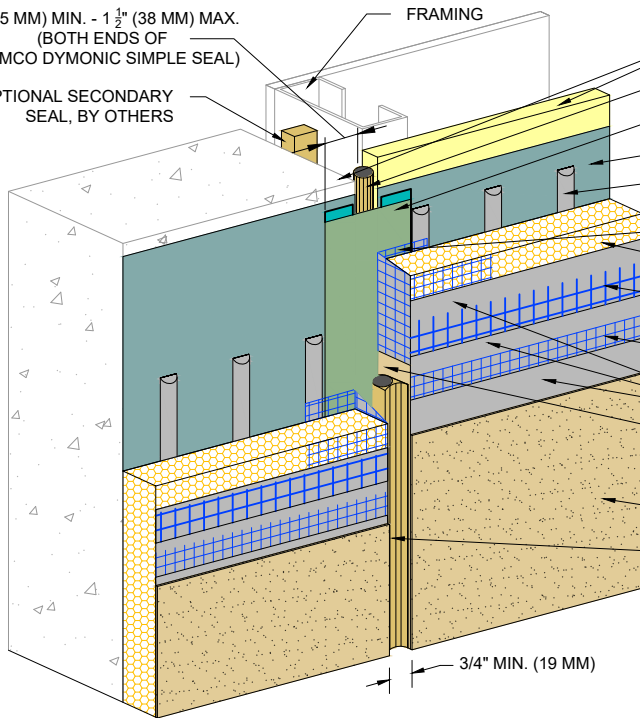
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1" (25 MM) MIN. - 1 1/2" (38 MM) MAX.
(BOTH ENDS OF
TREMCO DYMONIC SIMPLE SEAL)

OPTIONAL SECONDARY
SEAL, BY OTHERS

FRAMING



APPROVED SUBSTRATE

CLOSED CELL BACKER ROD, BY OTHERS (SEE NOTE 1)

TREMCO DYMONIC SIMPLE SEAL CENTERED OVER JOINT
ADHERED WITH TREMCO DYMONIC 100 AT BOTH ENDS

DRYVIT/TREMCO AIR/WATER-RESISTIVE BARRIER COATING

DRYVIT ADHESIVE IN VERTICAL NOTCHED TROWEL
CONFIGURATION APPLIED TO BACK OF EPS

DRYVIT DETAIL MESH® WRAPPED TO
BACKSIDE OF EPS MIN. 2 1/2" (64 MM)

EPS INSULATION BOARD

DRYVIT PANZER® 20 REINFORCING MESH
EMBEDDED IN DRYVIT BASE COAT

DRYVIT STANDARD REINFORCING MESH
EMBEDDED IN DRYVIT BASE COAT

DRYVIT BASE COAT

DRYVIT DEMANDIT® OR COLOR PRIME™
ON SURFACES TO RECEIVE SEALANT

DRYVIT FINISH

DRYVIT/TREMCO APPROVED COMPATIBLE
SEALANT WITH CLOSED CELL BACKER ROD, BY
OTHERS

3/4" MIN. (19 MM)

NOTE:

1. LOCATE EXTERNAL SEALANT JOINT WITHIN
2" (51 MM) OF SUBSTRATE JOINT.

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Outsulation® HDCl™ System®



Dryvit Technical Support: 800-556-7752

Detail: Through-Wall Expansion Joint - Dymonic Simple Seal

Drawn by: KAB

Checked by: CB

Scale: NTS

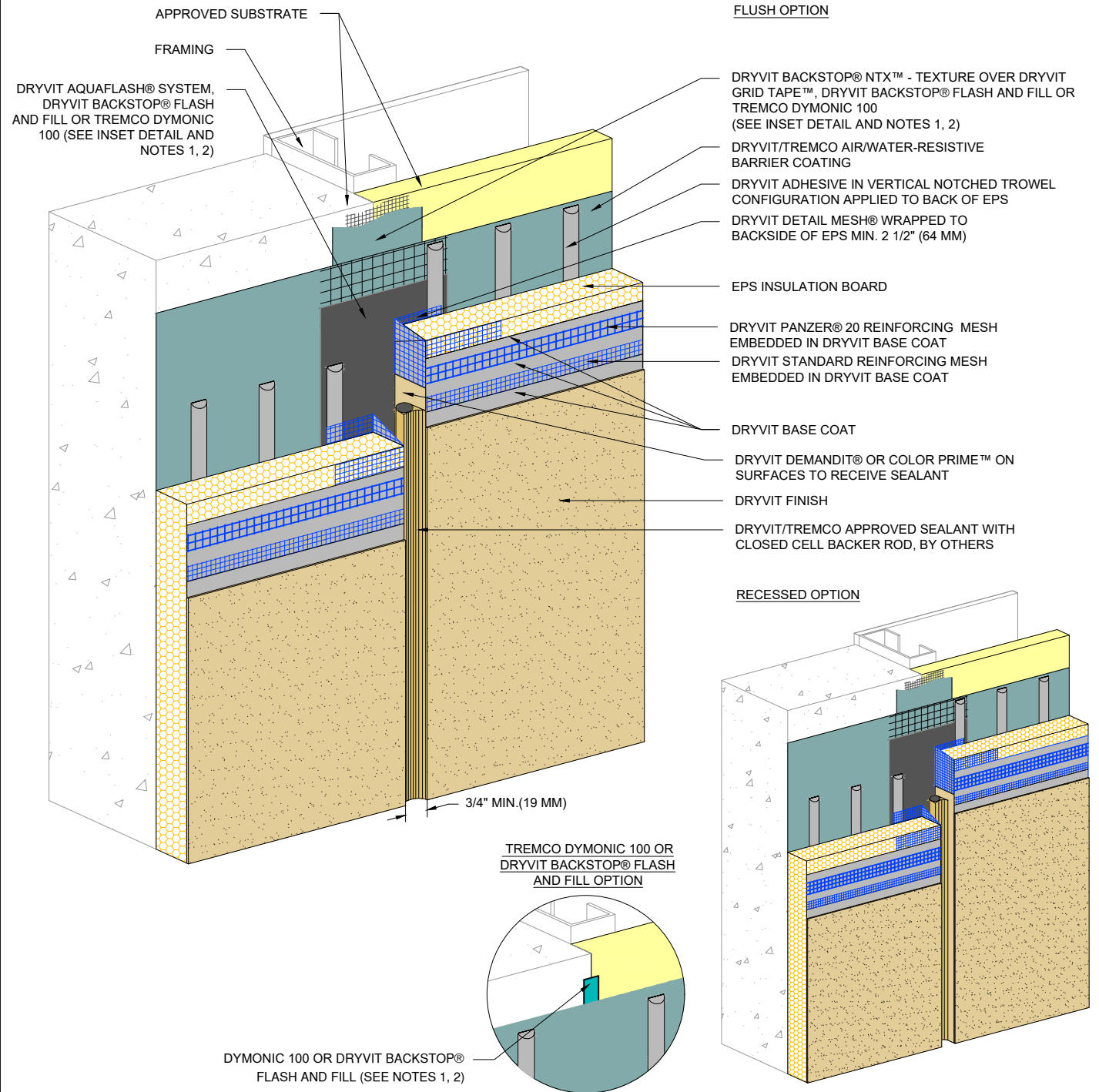
Date: 10/2021

File Name:

HDCl 35a



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NOTES:

1. LOCATE EXTERNAL SEALANT JOINT WITHIN 2" (51 MM) OF SUBSTRATE JOINT.

2. THE ONLY WRB TO BE USED WITH BACKSTOP® FLASH AND FILL IS BACKSTOP® NTX™.

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Outsulation® HDCI™ System®



Dryvit Technical Support: 800-556-7752

Detail: Vertical Expansion Joint - Flush and Recessed Options

Drawn by: KAB

Checked by: CB

Scale: NTS

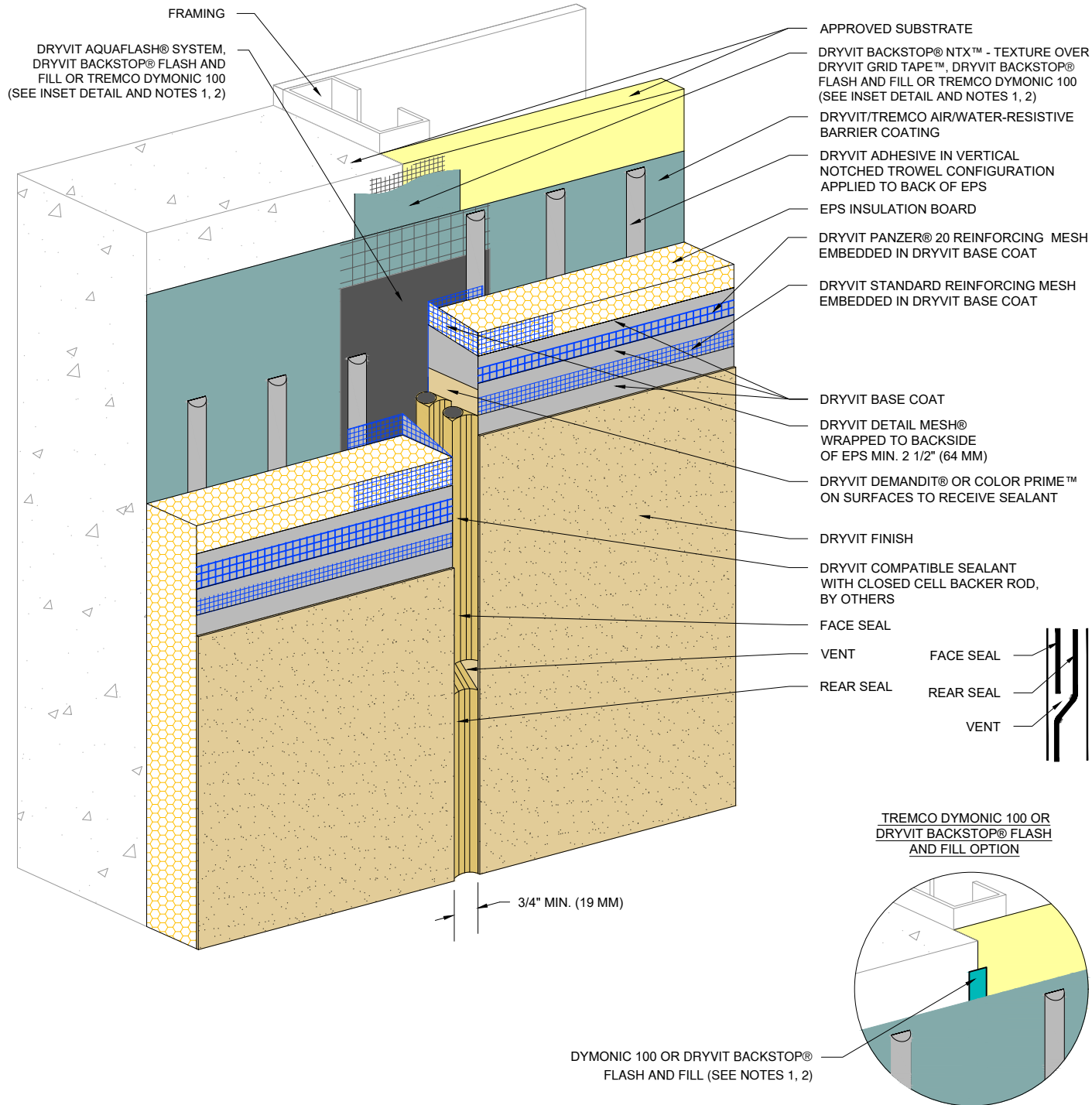
Date: 10/2021

File Name:

HDCI 36



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NOTES:

1. LOCATE EXTERNAL SEALANT JOINT WITHIN 2" (51 MM) OF BREAK IN SHEATHING.

2. THE ONLY WRB TO BE USED WITH BACKSTOP® FLASH AND FILL IS BACKSTOP® NTX™.

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Outsulation® HDCI™ System®



Dryvit Technical Support: 800-556-7752

Detail: Vertical Expansion Joint - Double Seal Option

Drawn by: KAB

Checked by: CB

Scale: NTS

Date: 10/2021

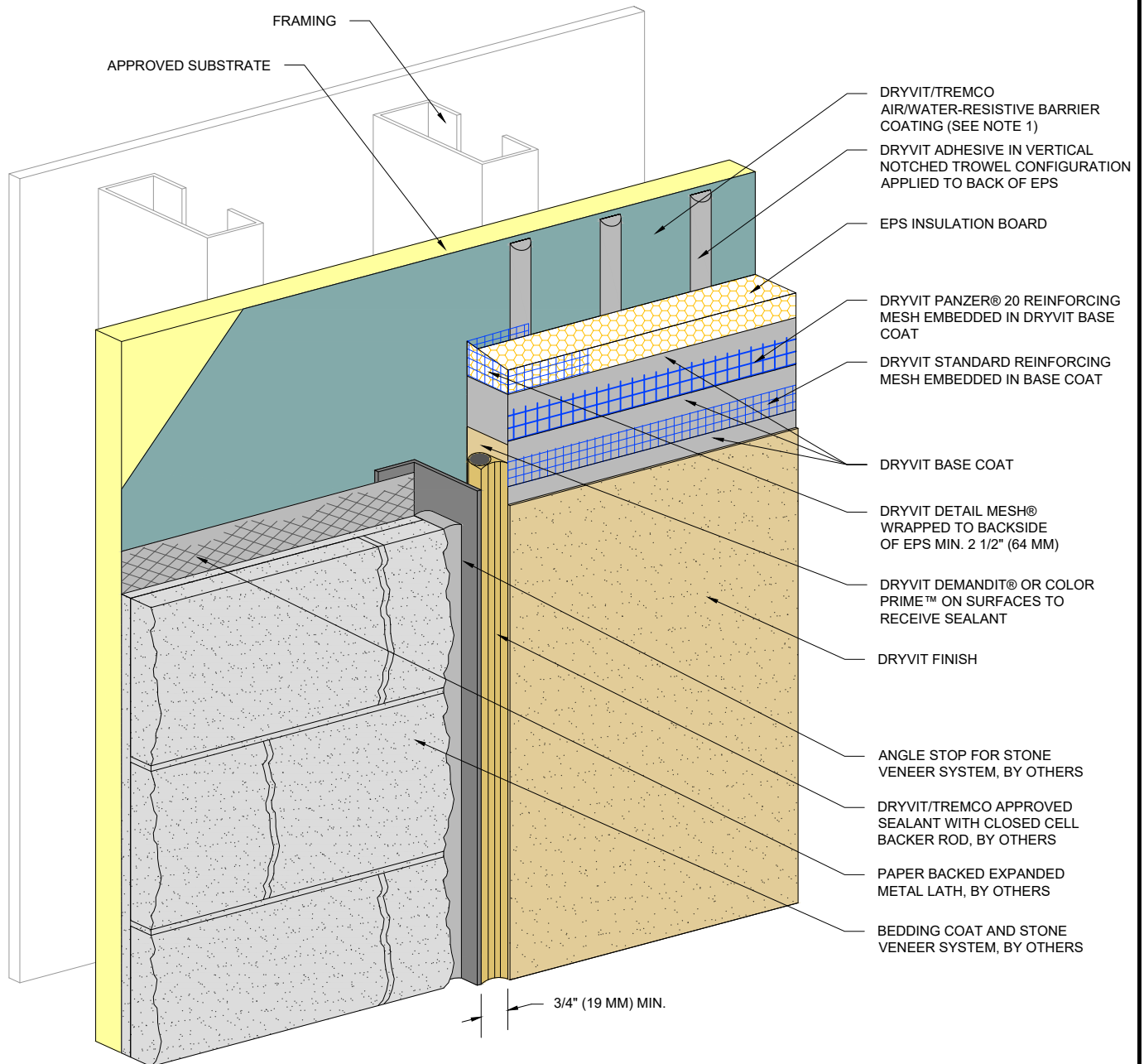
File Name:

HDCI 37



Construction Products Group

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NOTE:
1. FOR INSTALLATION OF BACKSTOP® NTX™
BENEATH CLADDINGS OTHER THAN DRYVIT EIFS,
REFER TO DRYVIT PUBLICATION DS840.

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Outsulation® HDCI™ System®



Dryvit Technical Support: 800-556-7752

Detail: Vertical Termination at Stone Veneer

Drawn by: KAB

Checked by: CB

Scale: NTS

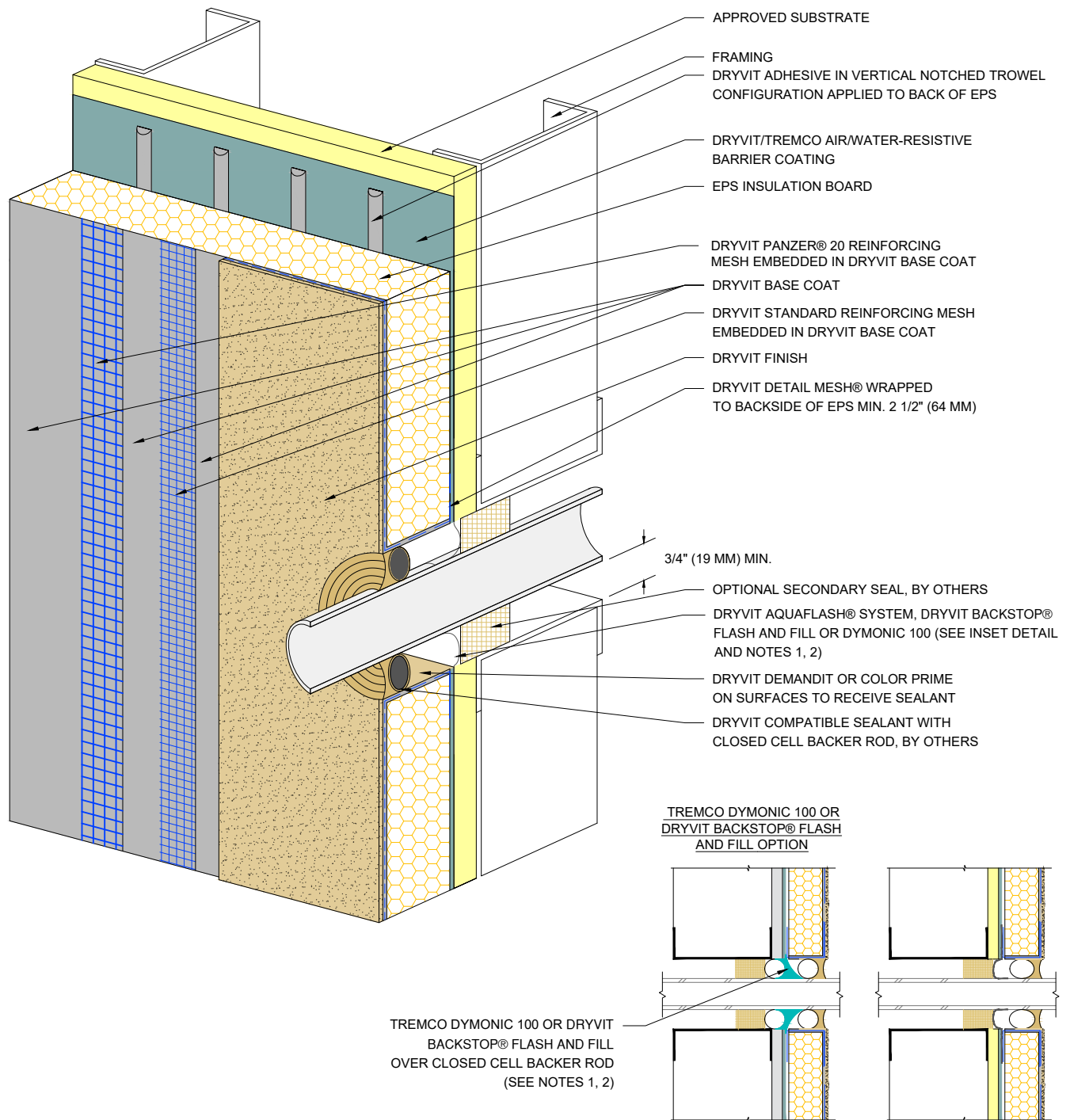
Date: 10/2021

File Name:

HDCI 38



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NOTES:

1. LOCATE EXTERNAL SEALANT JOINT WITHIN 2" (51 MM) OF BREAK IN SHEATHING.

2. THE ONLY WRB TO BE USED WITH BACKSTOP® FLASH AND FILL IS BACKSTOP® NTX™.

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Dryvit Technical Support: 800-556-7752

Detail: Penetrations

Drawn by: KAB

Checked by: CB

Scale: NTS

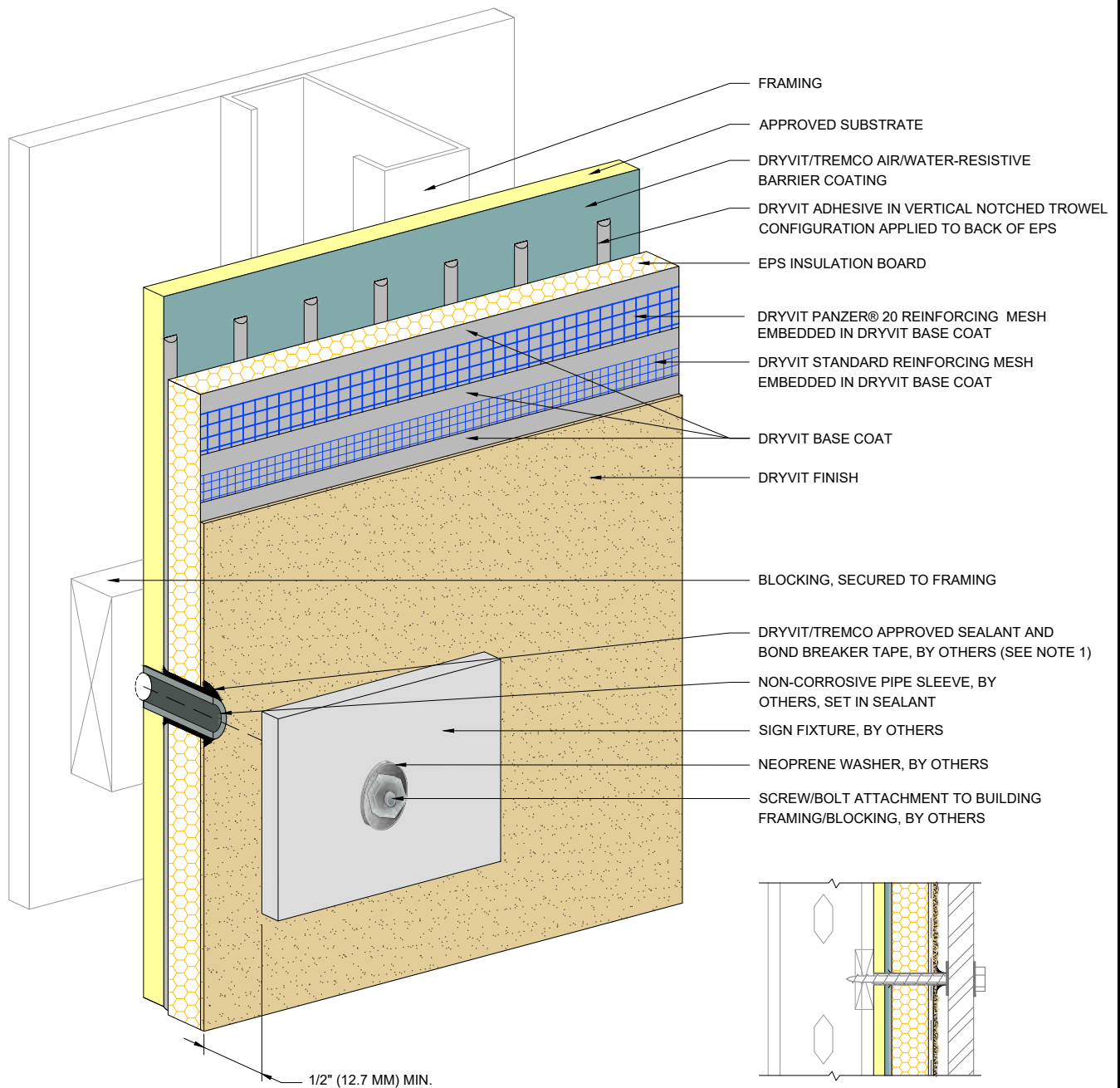
Date: 10/2021

File Name:

HDCI 39



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NOTE:
1. PERIMETER OF PIPE SLEEVE IS CAULKED TO PREVENT WATER ENTRY INTO WALL.

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Dryvit Technical Support: 800-556-7752

Detail: Sign Attachment

Drawn by: KAB

Checked by: CB

Scale: NTS

Date: 10/2021

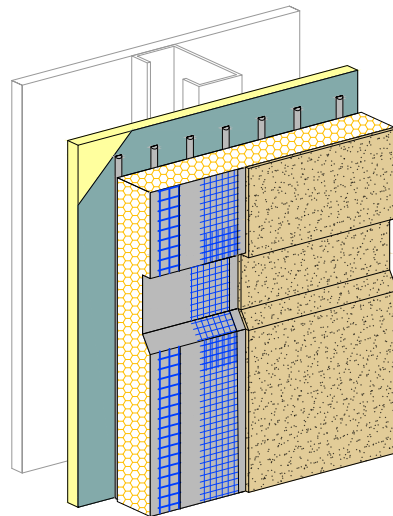
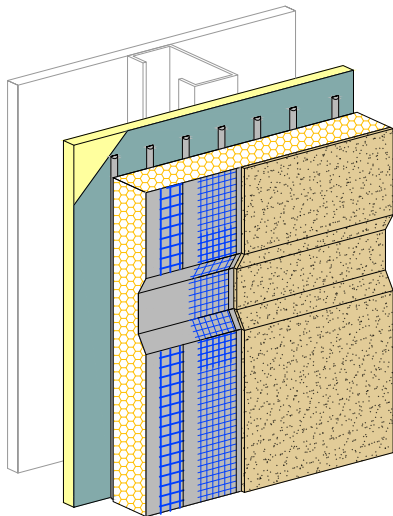
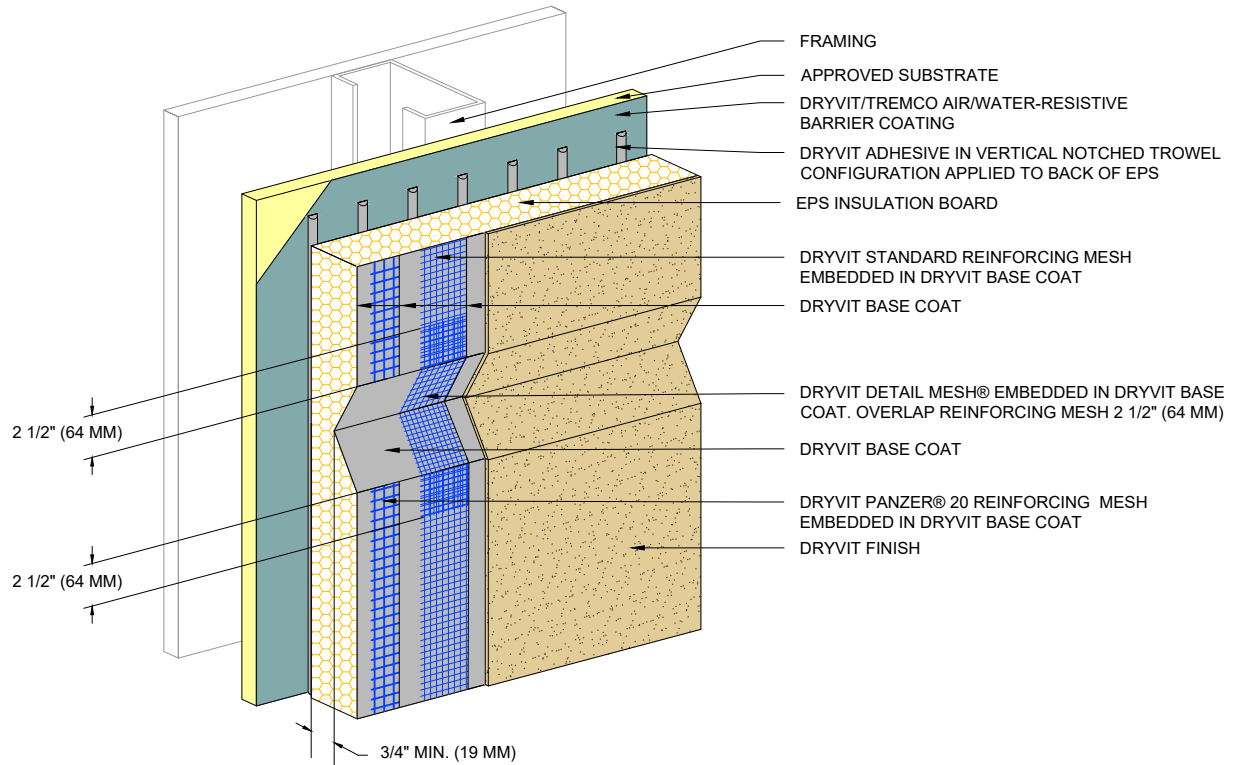
File Name:

HDCl 40



Construction Products Group

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NOTE:
1. SLOPE BOTTOM EDGE OF REVEAL FOR POSITIVE DRAINAGE.

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Outsulation® HDCI™ System®



Dryvit Technical Support: 800-556-7752

Detail: Aesthetic Reveals

Drawn by: KAB

Checked by: CB

Scale: NTS

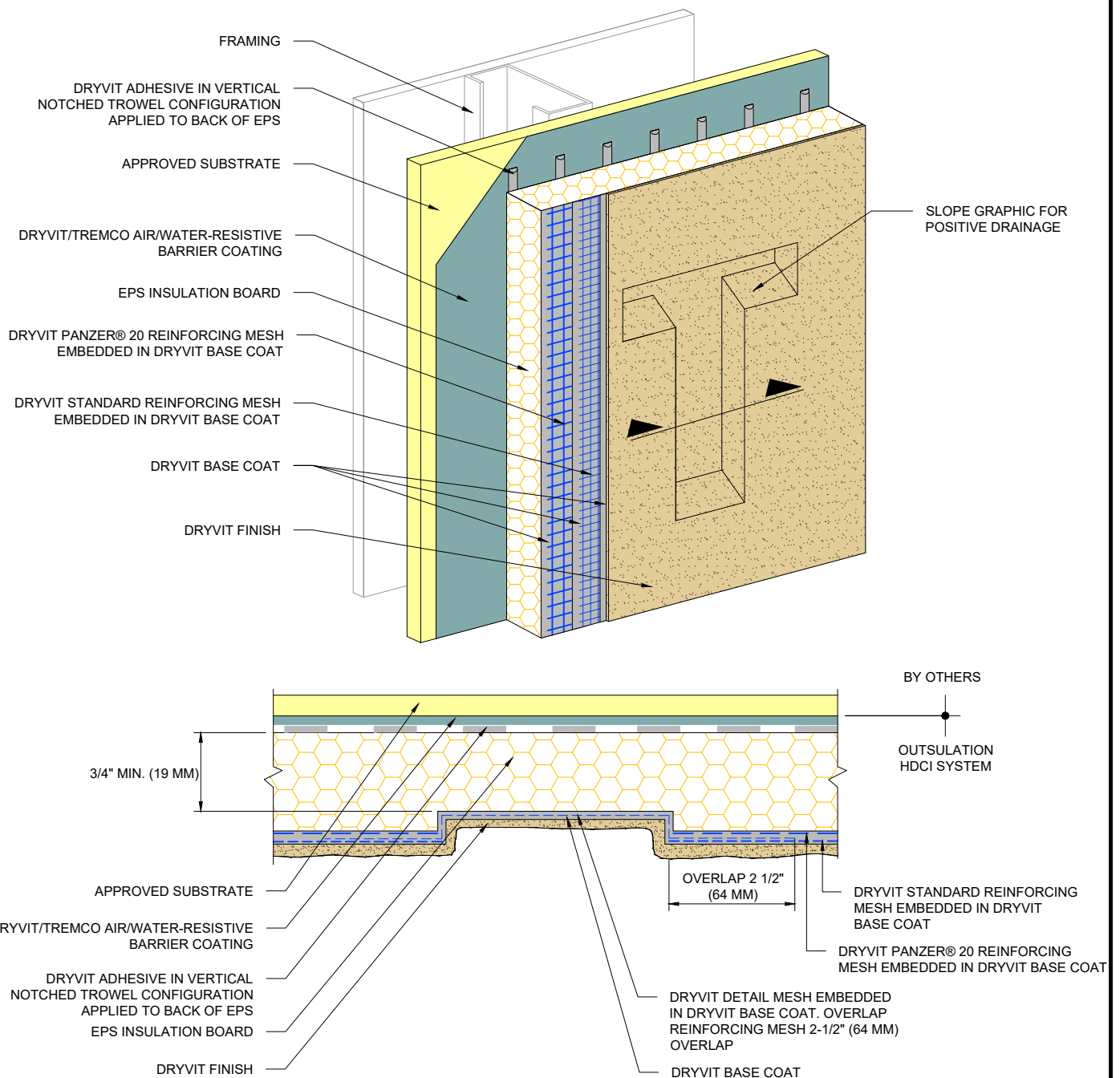
Date: 10/2021

File Name:

HDCI 41



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Outsulation® HDCI™ System®



Dryvit Technical Support: 800-556-7752

Detail: Recessed Graphics

Drawn by: KAB

Checked by: CB

Scale: NTS

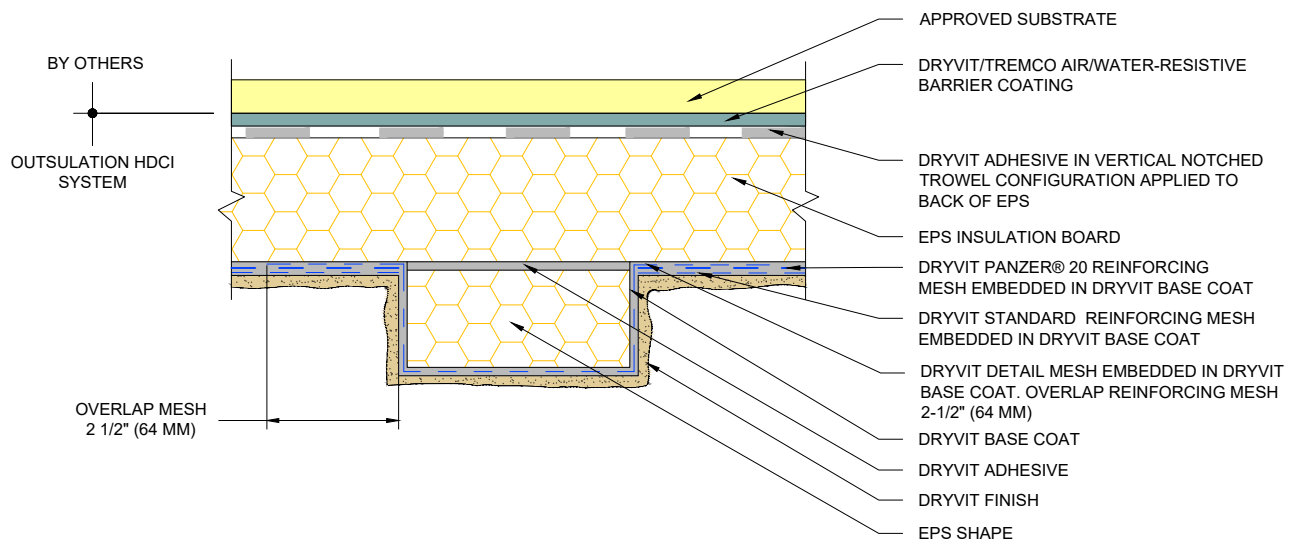
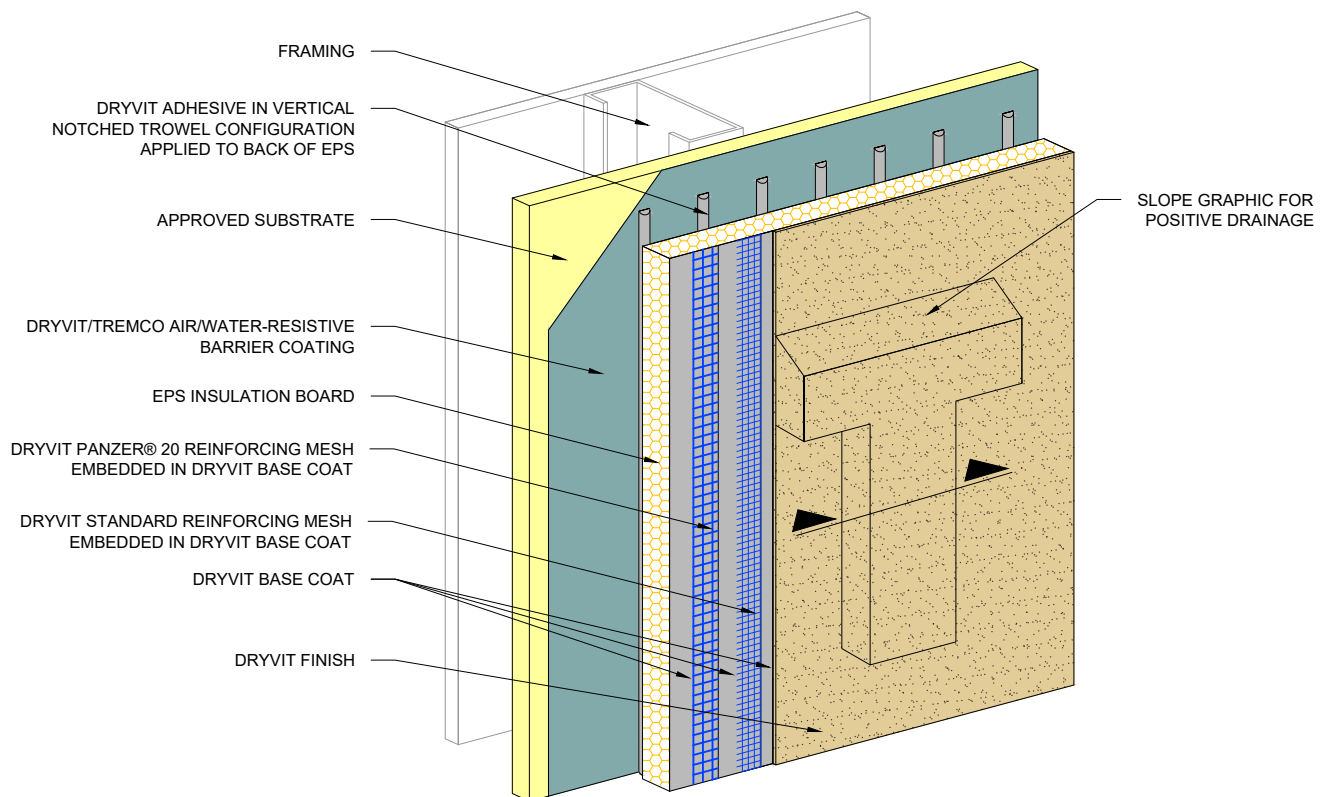
Date: 10/2021

File Name:

HDCI 42



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NOTE:
1. MAXIMUM THICKNESS OF EPS BUILT OUT SHAPES SHALL NOT EXCEED 13" (330 MM) AT ANY POINT MEASURED FROM THE SUBSTRATE.

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Outsulation® HDCI™ System®



Dryvit Technical Support: 800-556-7752

Detail: Projecting Graphics

Drawn by: KAB

Checked by: CB

Scale: NTS

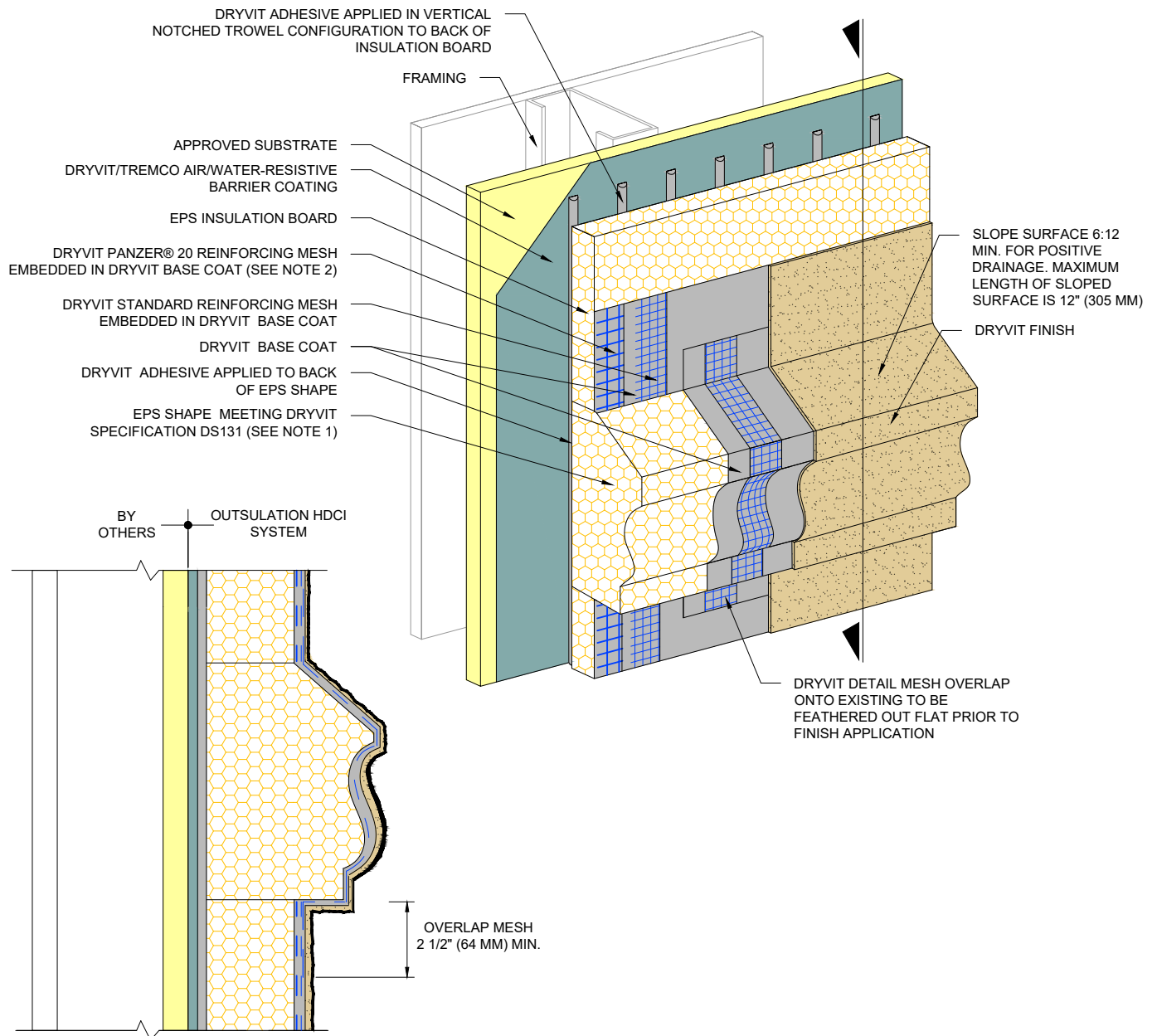
Date: 10/2021

File Name:

HDCI 43



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NOTES:

1. MAXIMUM THICKNESS OF EPS BUILT OUT SHAPES SHALL NOT EXCEED 13" (330 MM) AT ANY POINT MEASURED FROM THE SUBSTRATE.

2. CONTINUE PANZER MESH OVER FLAT FACES OF EPS SHAPE WHERE FEASIBLE.

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Outsulation® HDCI™ System®



Dryvit Technical Support: 800-556-7752

Detail: EPS Shapes

Drawn by: KAB

Checked by: CB

Scale: NTS

Date: 10/2021

File Name:

HDCI 44



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**SECTION 07 2400
EXTERIOR INSULATION AND FINISH SYSTEMS**

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Composite wall and soffit cladding of rigid insulation and reinforced finish coating, Class PB.
- B. Air/Weather-Resistive barrier behind insulation board.
- C. TAFS (Textured Acrylic Finish System). Incidental exterior uses of same finish coating applied directly to exterior gypsum sheathing (horizontal), cement board sheathing, and concrete masonry.

1.02 RELATED REQUIREMENTS

- A. 01 4533 - Code-Required Special Inspections and Procedures.
- B. Section 03 4713 - Tilt-Up Concrete: Substrate receiving EIFS.
- C. Section 04 7200 - Cast Stone Masonry: Exterior cladding over air/weather-resistive barrier.
- D. Section 04 7300 - Manufactured Stone Masonry: Exterior cladding over air/weather-resistive barrier.
- E. Section 05 4000 - Cold-Formed Metal Framing: Substrate framing.
- F. Section 06 1643 - Gypsum Sheathing: Substrate receiving air/weather-resistive barrier.
- G. Section 07 4246 - Fiber-Cement Cladding: Exterior cladding over air/weather-resistive barrier.
- H. Section 07 4233 - High-Pressure Laminate Panel System: Exterior cladding over air/weather-resistive barrier.
- I. Section 07 9200 - Joint Sealants: Sealing joints between EIFS and adjacent construction and penetrations through EIFS.
- J. Section 08 1113 - Hollow Metal Doors and Frames: Seal exterior frames to air/weather-resistive barrier.
- K. Section 08 1613 - Fiberglass (FRP) Doors and Frames: Seal exterior frames to air/weather-resistive barrier.
- L. Section 08 4229 - Automatic Entrances: Seal exterior frames to barrier.
- M. Section 08 4313 - Aluminum-Framed Storefronts: Seal exterior frames to air/weather-resistive barrier.
- N. Section 08 5113 - Aluminum Windows: Seal exterior frames to air/weather-resistive barrier.
- O. Section 09 9660 - Direct Applied Finish System (DAFS): Interior application of similar finish material.
- P. Division 22 - Plumbing: Coordinate with these construction trades for sealing penetrations through air/weather-resistive barrier and EIFS.
- Q. Division 23 - Heating, Ventilating, and Air Conditioning: Coordinate with these construction trades for sealing penetrations through air/weather-resistive barrier and EIFS.
- R. Division 26 - Electrical: Coordinate with these construction trades for sealing penetrations through air/weather-resistive barrier and EIFS.

1.03 REFERENCE STANDARDS

- A. ASTM B117 - Standard Practice for Operating Salt Spray (Fog) Apparatus 2019.
- B. ASTM C177 - Standard Test Method for Steady-State Heat Flux Measurements and Thermal Transmission Properties by Means of the Guarded-Hot-Plate Apparatus 2019.
- C. ASTM C297/C297M - Standard Test Method for Flatwise Tensile Strength of Sandwich Constructions 2016.
- D. ASTM C578 - Standard Specification for Rigid, Cellular Polystyrene Thermal Insulation 2019.

- E. ASTM C1397 - Standard Practice for Application of Class PB Exterior Insulation and Finish Systems (EIFS) and EIFS with Drainage 2013 (Reapproved 2019).
- F. ASTM D968 - Standard Test Methods for Abrasion Resistance of Organic Coatings by Falling Abrasive 2017.
- G. ASTM D2247 - Standard Practice for Testing Water Resistance of Coatings in 100% Relative Humidity 2015 (Reapproved 2020).
- H. ASTM D3273 - Standard Test Method for Resistance to Growth of Mold on the Surface of Interior Coatings in an Environmental Chamber 2021.
- I. ASTM E2098/E2098M - Standard Test Method for Determining Tensile Breaking Strength of Glass Fiber Reinforcing Mesh for Use in Class PB Exterior Insulation and Finish Systems (EIFS), after Exposure to a Sodium Hydroxide Solution 2018.
- J. ASTM E84 - Standard Test Method for Surface Burning Characteristics of Building Materials 2022.
- K. ASTM E119 - Standard Test Methods for Fire Tests of Building Construction and Materials 2020.
- L. ASTM E331 - Standard Test Method for Water Penetration of Exterior Windows, Skylights, Doors, and Curtain Walls by Uniform Static Air Pressure Difference 2000 (Reapproved 2016).
- M. ASTM E2273 - Standard Test Method for Determining the Drainage Efficiency of Exterior Insulation and Finish Systems (EIFS) Clad Wall Assemblies 2018.
- N. ASTM E2486/E2486M - Standard Test Method for Impact Resistance of Class PB and PI Exterior Insulation and Finish Systems (EIFS) 2022.
- O. ASTM E96/E96M - Standard Test Methods for Gravimetric Determination of Water Vapor Transmission Rate of Materials 2022.
- P. ASTM E966 - Standard Guide for Field Measurements of Airborne Sound Attenuation of Building Facades and Facade Elements 2018a.
- Q. ASTM G153 - Standard Practice for Operating Enclosed Carbon Arc Light Apparatus for Exposure of Nonmetallic Materials 2013 (Reapproved 2021).
- R. ASTM G155 - Standard Practice for Operating Xenon Arc Lamp Apparatus for Exposure of Materials 2021.
- S. ICC-ES AC219 - Acceptance Criteria for Exterior Insulation and Finish Systems 2009, with Editorial Revision (2014).
- T. ICC-ES AC235 - Acceptance Criteria for EIFS Clad Drainage Wall Assemblies 2009, with Editorial Revision (2012).
- U. NFPA 259 - Standard Test Method for Potential Heat of Building Materials 2018.
- V. NFPA 268 - Standard Test Method for Determining Ignitibility of Exterior Wall Assemblies Using a Radiant Heat Energy Source 2022.
- W. NFPA 285 - Standard Fire Test Method for Evaluation of Fire Propagation Characteristics of Exterior Wall Assemblies Containing Combustible Components 2019.

1.04 ADMINISTRATIVE REQUIREMENTS

- A. Exterior Wall Sheathing Substitution: See Section 06 1000 - Rough Carpentry. Should Contractor request use of wood panel sheathing having factory laminated weather barrier layer in lieu of design intent of plywood sheathing with separate weather barrier, submit documentation for the following:
 - 1. Delete air/weather-resistive barrier specified in this Section.
 - 2. Delete verifying if windows and doors have been properly connected to air/weather-resistive barrier.
 - 3. Change from adhered insulation to mechanically-fastened insulation board over sheet-type drainage membrane over substrate.

- B. Coordinate installation of windows and doors to verify air/weather-resistive barrier components are properly connected to maintain a continuous barrier.
 - 1. Furnish to trades installing door frames, windows, and making penetrations for piping or conduit, materials required to seal to air/weather-resistive barrier with written instructions for their use.
 - 2. Inspect work by other trades to verify correct sealing to air/weather-resistive barrier.
 - a. Submit written report of inspections.
 - b. Should unacceptable work be discovered, include recommendations for correcting.

1.05 SUBMITTALS

- A. See Section 01 3300 - Submittal Procedures for submittal procedures.
- B. Product Data: Provide data on system materials, product characteristics, performance criteria, and system limitations.
- C. Shop Drawings: Indicate wall and soffit joint patterns, joint details, and molding profiles.
- D. Verification Samples: Submit actual samples of selected coating on specified substrate, minimum 12 inches square, illustrating project colors and textures.

1.06 MOCK-UPS

- A. Construct mock-up of typical EIFS application on specified substrate, size as indicated on drawings, and including flashings, joints, and edge conditions.
- B. Architect accepted mock-up may remain as part of the Work.

1.07 DELIVERY, STORAGE, AND HANDLING

- A. Delivery: Deliver materials to project site in manufacturer's original, unopened containers with labels intact. Inspect materials and notify manufacturer of any discrepancies.
- B. Storage: Store materials as directed by manufacturer's written instructions.
 - 1. Protect adhesives and finish materials from freezing, temperatures below 40 degrees F and temperatures in excess of 90 degrees F.
 - 2. Protect Portland cement based materials from moisture and humidity. Store under cover off the ground in a dry location.
 - 3. Protect insulation materials from exposure to sunlight.

1.08 FIELD CONDITIONS

- A. Do not prepare materials or apply EIFS under conditions other than those described in the manufacturer's written instructions.
- B. Do not prepare materials or apply EIFS during inclement weather unless areas of installation are protected. Protect installed EIFS areas from inclement weather until dry.
- C. Do not install coatings or sealants when ambient temperature is below 40 degrees F.
- D. Do not leave installed insulation board exposed to sunlight for extended periods of time.

1.09 WARRANTY

- A. See Section 01 7800 - Closeout Submittals for additional warranty requirements.
- B. Provide manufacturer's warranty covering a period of not less than 20 years against impact damage from normal wear and tear exposure.
- C. Provide separate warranty from installer covering labor for correction of defective workmanship for a period of not less than 5 years.

PART 2 PRODUCTS

2.01 MANUFACTURERS

- A. Master Builders Solutions; Senergy Channeled Adhesive CI (Continuous Insulation) Design Wall System: www.senergy.master-builders-solutions.com/en/#sle
- B. Dryvit Systems, Inc; Dryvit Outsulation Plus MD EIFS, Class PB with Moisture Drainage: www.dryvit.com/#sle.

- C. Parex USA, Inc; Standard WaterMaster EIFS with Moisture Drainage: www.parex.com/#sle.
- D. Sto Corp; StoTherm ci Essence: www.stocorp.com/#sle.
- E. Substitutions: Not permitted.

2.02 EXTERIOR INSULATION AND FINISH SYSTEM

- A. Exterior Insulation and Finish System: DRAINAGE type; reinforced finish coating on flat-backed insulation board adhesive-applied directly to water-resistive coating over substrate; provide a complete system that has been tested to show compliance with the following characteristics; include all components of specified system and substrate(s) in tested samples.
- B. Fire Characteristics:
 - 1. Flammability: Pass, when tested in accordance with NFPA 285.
 - 2. Ignitibility: No sustained flaming when tested in accordance with NFPA 268.
 - 3. Potential Heat of Foam Plastic Insulation Tested Independently of Assembly: No portion of the assembly having potential heat that exceeds that of the insulation sample tested for flammability (above), when tested in accordance with NFPA 259 with results expressed in Btu per square foot.
- C. Adhesion of Air/Weather-Resistive Coating to Substrate: For each combination of coating and substrate, minimum flatwise tensile bond strength of 15 psi, when tested in accordance with ASTM C297/C297M.
- D. Adhesion to Air/Weather-Resistive Coating: For each combination of insulation board and substrate, when tested in accordance with ASTM C297/C297M, maximum adhesive failure of 25 percent unless flatwise tensile bond strength exceeds 15 psi in all samples.
- E. Water Penetration Resistance: No water penetration beyond the plane of the base coat/insulation board interface after 15 minutes, when tested in accordance with ASTM E331 at 6.24 psf differential pressure with tracer dye in the water spray; include in tested sample at least two vertical joints and one horizontal joint of same type to be used in construction; disassemble sample if necessary to determine extent of water penetration.
- F. Drainage Efficiency: Average minimum efficiency of 90 percent, when tested in accordance with ASTM E2273 for 75 minutes.
- G. Salt Spray Resistance: No cracking, checking, crazing, erosion, blistering, peeling, delamination, or corrosion of finish coating after 300 hours exposure in accordance with ASTM B117, using at least three samples matching intended assembly, at least 4 by 6 inches in size.
- H. Freeze-Thaw Resistance: No cracking, checking, crazing, erosion, blistering, peeling, delamination, or corrosion of finish coating when viewed under 5x magnification after 10 cycles, when tested in accordance with ICC-ES AC219 or ICC-ES AC235.
- I. Weathering Resistance: No cracking, checking, crazing, erosion, blistering, peeling, delamination, or corrosion of finish coating when viewed under 5x magnification after 2000 hours of accelerated weathering conducted in accordance with ASTM G153 Cycle 1 or ASTM G155 Cycles 1, 5, or 9.
- J. Water Degradation Resistance: No cracking, checking, crazing, erosion, blistering, peeling, delamination, or corrosion of finish coating after 14 days exposure, when tested in accordance with ASTM D2247.
- K. Mildew Resistance: No growth supported on finish coating during 28 day exposure period, when tested in accordance with ASTM D3273.
- L. Abrasion Resistance Of Finish: No cracking, checking or loss of film integrity when tested in accordance with ASTM D968 with 113.5 gallons of sand.
- M. Impact Resistance: Construct system to provide the following impact resistance without exposure of broken reinforcing mesh, when tested in accordance with ASTM E2486/E2486M:
 - 1. Basis of Design: Dryvit HDCI - Ultra High Impact Mesh Assembly over the entire EIFS cladding wall area.
 - a. 352 in-pounds of force resistance.

N. Joints:

1. Provide minimum 3/4 inch wide expansion joints in EIFS where they exist in the substrate or supporting construction, where EIFS adjoins dissimilar construction or materials and at changes in building height.
2. Provide minimum 1/2 inch wide perimeter sealant joints at windows, doors and all penetrations through the EIFS.
3. Make joints to maintain weather barrier continuity across the joint and drain to the exterior.

2.03 DIRECT APPLIED FINISH SYSTEM (DAFS)

- A. Reinforced finish coating applied directly to specified substrates; provide a complete system that has been tested to show compliance with the following applicable characteristics; include all components of specified system and substrate(s) in tested samples.
- B. Surface Burning: All components pass; Base coat and finish coat each have a flame spread of 25 or less and smoke developed of 450 or less when tested in accordance with ASTM E84.
- C. Fire Resistance: One hour fire resistive rating when tested in accordance with ASTM E119.
- D. Tensile Adhesion: Pass; no failure in the base coat or finish coat when tested in accordance with ASTM C297/C297M.
- E. Water Resistance: Pass; no deleterious effects (no cracking, checking, crazing, erosion, rusting, blistering, peeling or delamination) at 14 day exposure when tested in accordance with ASTM D2247.
- F. Permeance: Pass; 1.0 perms when tested in accordance with ASTM E96/E96M.
- G. Abrasion Resistance: Pass; no cracking, checking, or loss of film integrity at 1,057 quarts of sand when tested in accordance with ASTM D968.
- H. Mildew Resistance: No growth supported during 28 day exposure period; No growth at 42 days, when tested in accordance with ASTM D3273.
- I. Alkali Resistance of Reinforcing Mesh: Pass; greater than 120 pli retained tensile strength when tested in accordance with ASTM E2098/E2098M.

2.04 MATERIALS

- A. Finish Coating Top Coat: Water-based, air curing, acrylic-polymer finish with integral color and texture. Formulation to have dirt pickup resistance properties.
 1. Basis of Design Texture: As indicated in the Exterior Finish Schedule on drawings.
 2. Color: As indicated in Exterior Finish Schedule on drawings.
- B. Base Coat: Fiber-reinforced, acrylic-polymer-based product compatible with insulation board and reinforcing mesh.
- C. Reinforcing Mesh: Balanced, open weave glass fiber fabric, treated for compatibility and improved bond with coating, weight, strength, and number of layers as required to meet required system impact rating.
- D. Expanded Polystyrene (EPS) Board Insulation: Complies with ASTM C578.
 1. Board Size: 24 by 48 inches.
 2. Board Size Tolerance: Plus/minus 1/16 inch from square and dimension.
 3. Board Thickness: As indicated on drawings.
 4. Board Edges: Square.
 5. Type and Thermal Resistance, R-value (RSI-value): Type I, 3.6 (0.63) per 1 inch thickness at 75 degrees F mean temperature using ASTM C177 test method.
 6. Surface Burning Characteristics: Flame spread/Smoke developed index of 25/450, when tested in accordance with ASTM E84.
- E. Air/Weather-Resistive Barrier Coating: Fluid-applied air and water barrier membrane; applied to sheathing; furnished or approved by EIFS manufacturer.
 1. General Use: Vapor permeable; 5.0 to 12.0 perms passing when tested in accordance with ASTM E96/E96M, Method B.

2. Waterpark Locations Indicated: Vapor impermeable; less than 0.1 perms passing when tested in accordance with ASTM E96/E96M.
- F. Fluid-Applied Flashing: Flexible water based polymer material suitable for use with reinforcing mesh and, if used with weather barrier sheet, certified compatible with sheet material.
- G. Flashing Tape: Self-adhering rubberized asphalt tape with polyethylene backing or other material and surface conditioner furnished or approved by EIFS manufacturer.

2.05 ACCESSORIES

- A. Insulation Adhesive: Type required by EIFS manufacturer for project substrate.
- B. Metal Flashings: See Section 07 6200.
- C. Trim: EIFS manufacturer's standard PVC or galvanized steel trim accessories, as required for a complete project and including starter track and drainage accessories.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify that substrate is sound and free of oil, dirt, other surface contaminants, efflorescence, loose materials, or protrusions that could interfere with EIFS installation and is of a type and construction that is acceptable to EIFS manufacturer. Do not begin work until substrate and adjacent materials are complete and thoroughly dry.
- B. Verify that substrate surface is flat, with no deviation greater than 1/4 in when tested with a 10 ft straightedge.

3.02 PREPARATION

- A. Apply primer to substrate as recommended by EIFS manufacturer for project conditions.

3.03 INSTALLATION - GENERAL

- A. Install in accordance with EIFS manufacturer's instructions and ASTM C1397.
 1. Where different requirements appear in either document, comply with the most stringent.
 2. Neither of these documents supercedes provisions of Contract Documents that defines contractual relationships between parties or scope of this work.

3.04 INSTALLATION - AIR/WEATHER-RESISTIVE BARRIER

- A. Apply barrier to entire building exterior wall surface as recommended by manufacturer; prime substrate as required before application.
- B. Seal substrate transitions and intersections with other materials to form continuous air/weather-resistive barrier on exterior of sheathing, using method recommended by manufacturer.
- C. At door and window rough openings and other wall penetrations, seal air/weather-resistive barrier and flexible flashings to rough opening before installation of metal flashings, sills, or frames, using method recommended by manufacturer.
- D. At moving expansion joints, apply flexible flashing or flashing tape across and recessed into joint with U-loop forming continuous barrier but allowing movement.
- E. Lap flexible flashing or flashing tape at least 2 inches on each side of joint or transition.

3.05 INSTALLATION - INSULATION

- A. Install in accordance with manufacturer's instructions.
 1. Insulation is not required where direct applied finish system is indicated.
- B. Prior to installation of boards, install starter track and other trim level and plumb and securely fastened. Install only in full lengths, to minimize moisture intrusion; cut horizontal trim tight to vertical trim.
- C. Install back wrap reinforcing mesh at all openings and terminations that are not to be protected with trim.
- D. On wall surfaces, install boards horizontally.

- E. Place boards in a method to maximize tight joints. Stagger vertical joints and interlock at corners. Butt edges and ends tight to adjacent board and to protrusions. Achieve a continuous flush insulation surface, with no gaps in excess of 1/16 inch.
- F. Fill gaps greater than 1/16 inch with strips or shims cut from the same insulation material.
- G. Rasp irregularities off surface of installed insulation board.
- H. Adhesive Attachment: Use method recommended by EIFS manufacturer to produce vertical ribbons of adhesive.
 - 1. Horizontal adhesive ribbons are not acceptable.

3.06 INSTALLATION - CLASS PB FINISH

- A. Where DAFS is indicated, apply base coat directly to exterior gypsum sheathing on soffits.
- B. Base Coat: Apply in thickness as necessary to fully embed reinforcing mesh, wrinkle free, including back-wrap at terminations of EIFS. Install reinforcing fabric as recommended by EIFS manufacturer.
 - 1. Lap reinforcing mesh edges and ends a minimum of 2-1/2 inches.
 - 2. Allow base coat to dry a minimum of 24 hours before next coating application.
- C. Install expansion joints at floor lines as recommended by EIFS manufacturer.
- D. Apply finish coat after base coat has dried not less than 24 hours, embed finish aggregate, and finish to a uniform texture and color.
- E. Seal control and expansion joints within the field of exterior finish and insulation system, using procedures recommended by sealant and finish system manufacturers.

3.07 FIELD QUALITY CONTROL

- A. A representative of EIFS manufacturer shall observe areas of completed EIFS installation for compliance with manufacturer's warranty requirements.
- B. When discrepancies or nonconforming work is discovered, observer shall immediately report the non-compliance to EIFS applicator, Construction Manager, Architect and Owner.
 - 1. Repair or remove and replace EIFS components or work not complying with manufacturer's requirements.
- C. Observations shall be conducted during and after completion of each application phase.
 - 1. Various phases of application are defined as follows:
 - a. Listing of materials to be installed; manufacturer and product.
 - b. Material storage.
 - c. Inspection of installed substrates.
 - d. Installation of weather resistive barrier.
 - e. Moisture protection of substrate, if applicable.
 - f. Installation of drainage medium, if applicable.
 - g. Inspection of flashing, provided by trades other than EIFS applicator.
 - h. Installation of insulation board.
 - 1) Verify adhesive is applied in sufficient quantity.
 - (a) Verify notched trowel proper-size.
 - (b) Verify all notches are vertical.
 - i. Application of base coat and reinforcing mesh.
 - 1) Verify reinforcing fabric mesh is properly back-wrapped at terminations.
 - 2) Verify reinforcing fabric mesh is properly placed and fully embedded.
 - (a) Verify corners are reinforced.
 - (b) Verify openings are diagonally reinforced.
 - j. Application of finish coat.
 - k. Application of sealants, provided by trades other than EIFS applicator.
- D. Final review to be performed by EIFS manufacturer representative, EIFS applicator, Construction Manager and Architect for the purpose of acceptance of the Work.

3.08 CLEANING

- A. See Section 01 7329 - Cutting and Patching for additional requirements.
- B. Clean EIFS surfaces and work areas of foreign materials resulting from EIFS operations.

3.09 PROTECTION

- A. Protect completed work from damage and soiling by subsequent work.

END OF SECTION