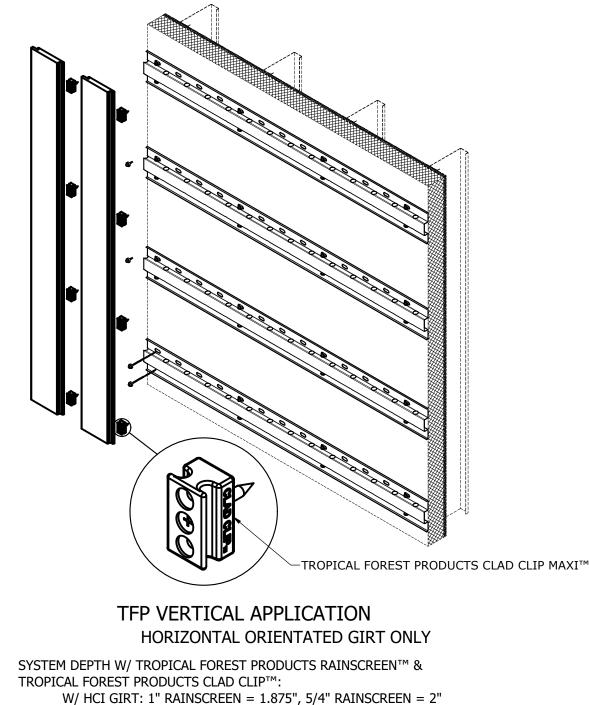
TROPICAL FOREST PRODUCTS CLAD CLIP[™] GUIDE DETAILS: VERTICAL RAINSCREEN ATTACHMENT W/ KNIGHT WALL HCI[™] SYSTEM (HORIZONTAL HCI-GIRT ONLY)



(FACE OF RIGID INSULATION TO FACE OF RAINSCREEN)



TROPICAL FOREST PRODUCTS RAINSCREEN GENERAL NOTES:

- TROPICAL FOREST PRODUCTS IS NOT RESPONSIBLE FOR INFORMATION SHOWN ON ALL DETAILS BEYOND SPECIFIC SCOPE OF WORK (INDICATED AS TFP RAIN SCREEN OR CLAD CLIPS).
- CONSULT TFP MASTER PLAN SHEET FOR ENGINEER SEALED SYSTEM DETAILS
- DETAILS ARE ONLY TO COMMUNICATE HOW TFP RAIN SCREEN CAN BE USED WITH KNIGHT WALL SYSTEMS.
- DETAILS OF ADJACENT WORK ARE SHOWN FOR COMPLETENESS, CLARITY AND CONVENIENCE AS AN EXAMPLE BUILT ENVIRONMENT ONLY.
- THE STRUCTURAL SUPPORT, BACK-UP WALL AND SUPER STRUCTURE DESIGN IS WITH OTHER PARTIES NOT LIMITED TO, STEEL STUD WALL, etc.). THE RESPONSIBILITY FOR THESE OTHER ASSEMBLIES TO ACCOMMODATE ALL LOADS IMPOSED UPON THEM BY TFP RAIN SCREEN, SHOULD BE CONSIDERED.
- SOFT JOINTS, SEALANT AND FLASHING SPECIFICATIONS, DESIGN AND INSTALLATION ARE WITH OTHER PARTIES
- WEATHER RESISTANT/AIR BARRIER AND INSULATION SPECIFICATIONS, DETAILING AND INSTALLATION, PENETRATIONS, ARE WITH OTHER PARTIES.
- TFP HAS SELECTED FASTENER AND CLIP METAL GRADES DESIGNED TO REDUCE GALVANIC REACTION. POTENTIAL GLAVANIC REACTION ALWAYS EXISTS AT SOME LEVEL WHEN DISSIMILAR MATALS ARE IN CONTACT. POTENTIAL GALVANIC REACTION MUST ALSO BE CONSIDERED WHEN METALS ARE IN CONTACT WITH CHEMICALLY TREATED LUMBER
- USE FINISH WOOD BLADES FOR CUTTING WOOD RAIN SCREEN COMPONENTS.
- APPLY ANCHORSEAL TO ALL FRESHLY CUT ENDS OF RAIN SCREEN BOARDS.
- USE OF IMPACT DRIVERS IS NOT RECOMMENDED WHEN DRIVING ANY FASTENER FOR THE SYSTEM.
- THE DETAILS WITHIN THIS DRAWING PACKAGE ARE NOT INTENDED TO REPLACE PROJECT SPECIFIC ENGINEERING CALCULATIONS OR THE DESIGN SERVICES OF A REGISTERED PROFESSIONAL DESIGNER AND ARE SUBJECT CHANGE AT ANY TIME. PROJECT SPECIFIC ENGINEERING PROVIDED BY OTHERS.
- NO FREEDOM FROM ANY PATENT OWNED BY TFP OR OTHERS IS TO BE INFERRED. BECAUSE USE CONDITIONS AND APPLICABLE DIFFER FROM ONE LOCATION TO ANOTHER AND MAY CHANGE WITH TIME, CUSTOMER IS RESPONSIBLE FOR DETERMINING WHETHER PRODUCTS AND THE INFORMATION DOCUMENT ARE APPROPRIATE FOR CUSTOMER'S USE AND FOR ENSURING THAT THE CUSTOMER'S WORKPLACE AND DISPOSAL PRACTICES ARE IN COMPLIANCE WITH APPLICABLE AND OTHER GOVERNMENT ENACTMENTS. TFP ASSUMES NO OBLIGATION OR LIABILITY FOR THE INFORMATION CONTAINED IN THIS DOCUMENT
- NO EXPRESS WARRANTIES ARE GIVEN EXCEPT FOR ANY APPLICABLE WRITTEN LIMITED WARRANTIES SPECIFICALLY PROVIDED BY TFP. ALL IMPLIED WARRANTIES INCLUDING THOSE OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE EXPRESSLY EXCLUDED
- BUILDING AND/OR CONSTRUCTION PRACTICES UNRELATED TO BUILDING MATERIALS COULD GREATLY AFFECT MOISTURE AND THE POTENTIAL FOR MOLD FORMATION. NO MATERIAL SUPPLIER INCLUDING TFP CAN GIVE ASSURANCE THAT MOLD WILL NOT DEVELOP.



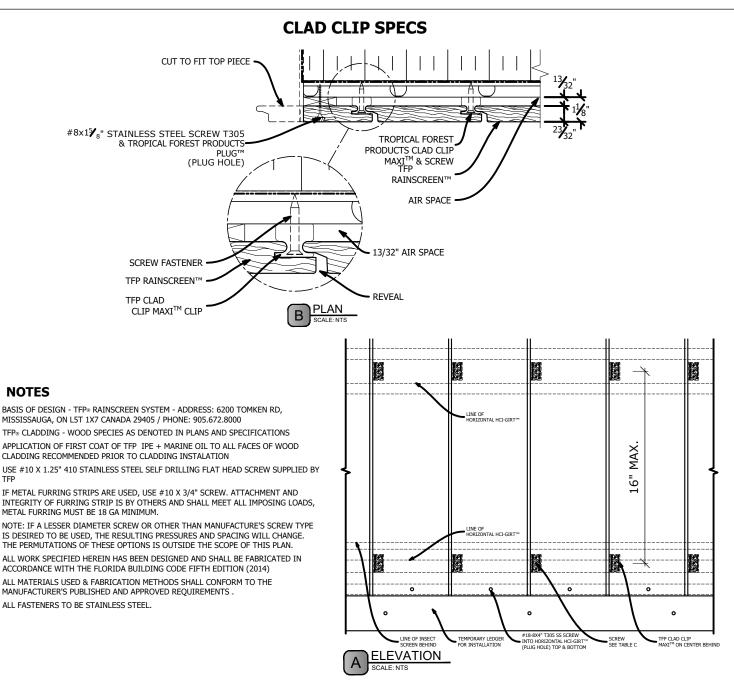
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PLEASE FEEL FREE TO CONTACT TROPICAL FOREST PRODUCTS FOR PROJECT SPECIFIC ASSISTANCE WITH TFP® CLADDING OPTIONS AND SPECIFIC ASSISTANCE. 905.672.8000 OR 855.344.4500

info@wearetropical.com





SIDING SIZES	TYPE OF CONNECTION	PANEL/FURRING THICKNESS	CLIP SPACING	CLIP TYPE	SCREWS PER CLIP	SCREW	ALLOWABLE PRESSURE
1" X 6"	CLIP TO STEEL FURRING	16 GA.	16"	MAXI	1 PCS.	#10 X 1.25	110.0 PSF
1" x 4"	CLIP TO STEEL FURRING	16 GA.	16"	MAXI	1 PCS.	#10 X 1.25	110.0 PSF

RAINSCREEN ATTACHMENT TABLE

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THESE GUIDE DETAILS ARE PROVIDED FOR INFORMATION ONLY AND OUTLINE GENERAL/TYPICAL REQUIREMENTS FOR THE ATTACHMENT SYSTEM. PROJECT SPECIFIC ENGINEERING WILL ADDRESS STRUCTURAL ATTACHMENT (i.e. FASTENING PATTERN, ETC.). CONTACT KWS FOR FURTHER DETAILS. ALL IMPLIED WARRANTIES INCLUDING MERCHANTABILITY & FITNESS FOR A PARTICULAR PURPOSE ARE EXPRESSLY EXCLUDED.



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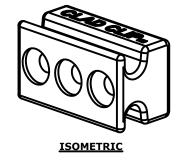
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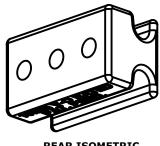
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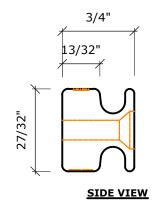


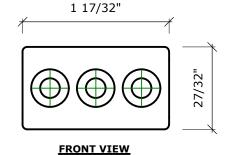
TFP CLAD CLIP[™] DETAILS SCALE: FULL





REAR ISOMETRIC



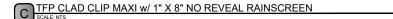


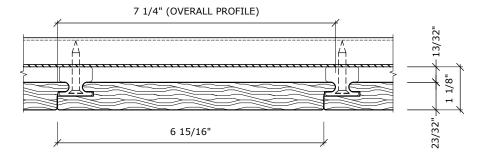
A TFP CLAD CLIP MAXI - BLCCMAX10MMVO

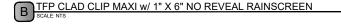


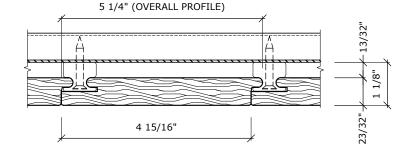


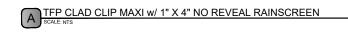
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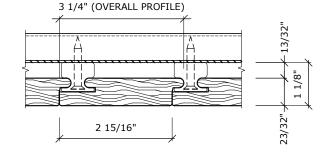










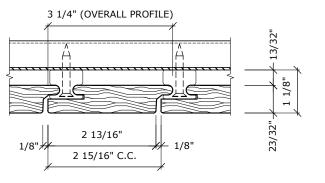


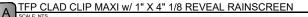
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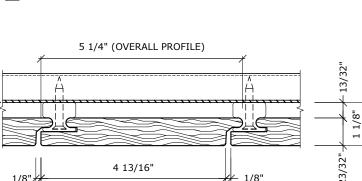
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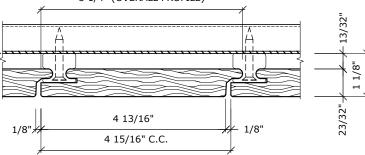


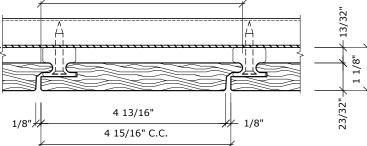
LAYUP DIMENSIONS - 1" WITH ¹/₈" REVEAL SCALE: NTS

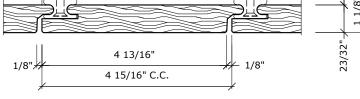










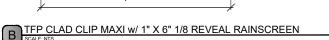


7 1/4" (OVERALL PROFILE)

6 13/16"

6 15/16" C.C.

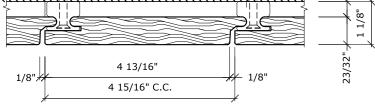
TFP CLAD CLIP MAXI w/ 1" X 8" 1/8 REVEAL RAINSCREEN



А

1/8'

С CALE



THESE GUIDE DETAILS ARE PROVIDED FOR INFORMATION ONLY AND OUTLINE GENERAL/TYPICAL REQUIREMENTS FOR THE ATTACHMENT SYSTEM. PROJECT SPECIFIC ENGINEERING WILL ADDRESS STRUCTURAL ATTACHMENT (i.e. FASTENING PATTERN, ETC.). CONTACT KWS FOR FURTHER DETAILS. ALL IMPLIED WARRANTIES INCLUDING MERCHANTABILITY & FITNESS FOR A PARTICULAR PURPOSE ARE EXPRESSLY EXCLUDED.



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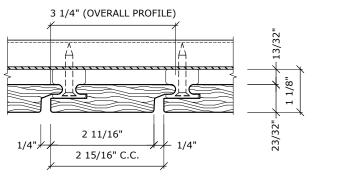
1/8"

13/32"

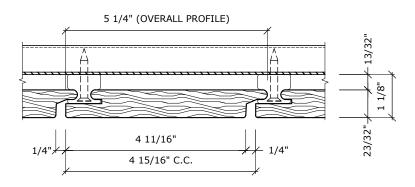
23/32"

 $1 \, 1/8"$

LAYUP DIMENSIONS - 1" WITH $\frac{1}{4}$ " REVEAL SCALE: NTS

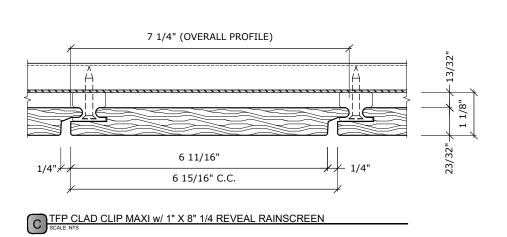


A TFP CLAD CLIP MAXI w/ 1" X 4" 1/4 REVEAL RAINSCREEN



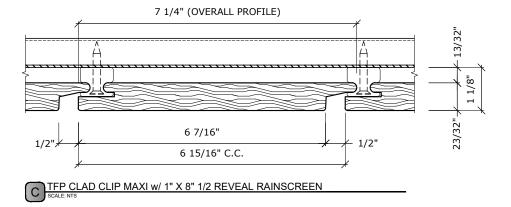
TFP CLAD CLIP MAXI w/ 1" X 6" 1/4 REVEAL RAINSCREEN

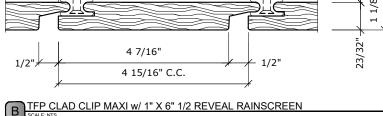
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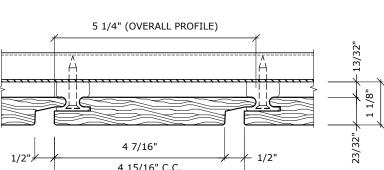


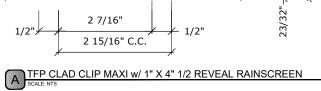


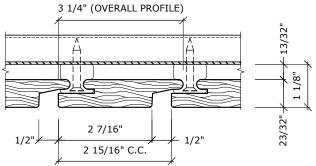






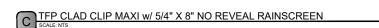


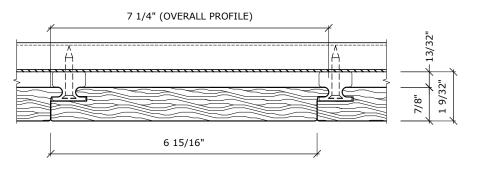


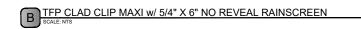


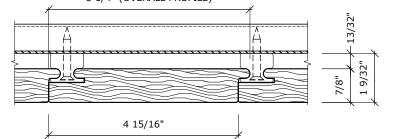


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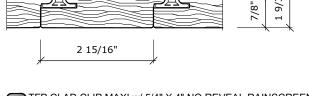


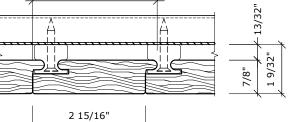






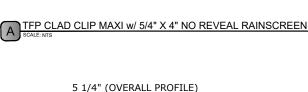






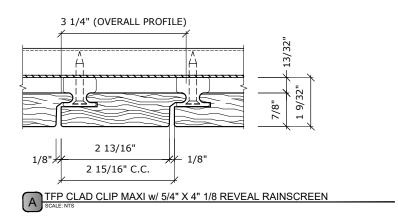
TROPICAL

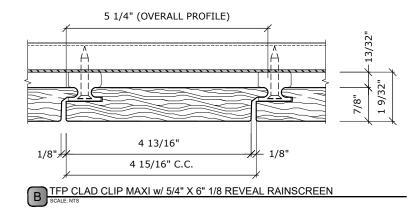
LAYUP DIMENSIONS - 5/4" WITH NO REVEAL **SCALE: NTS**

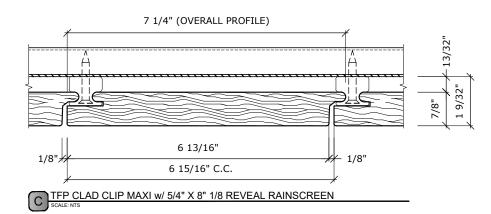


3 1/4" (OVERALL PROFILE)

LAYUP DIMENSIONS - 5/4" WITH ¹/₈" REVEAL SCALE: NTS

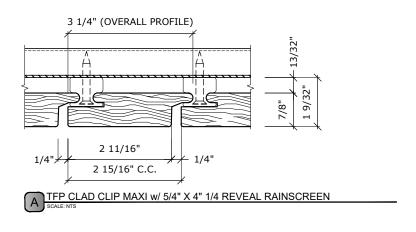


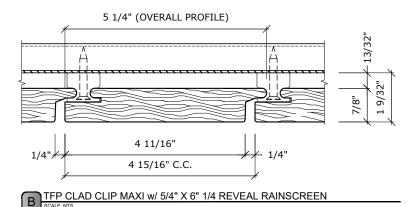


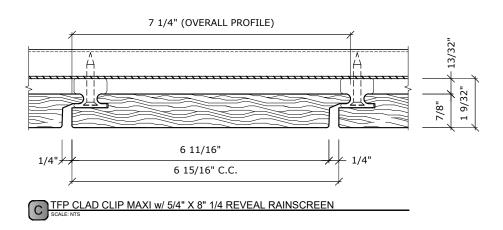




LAYUP DIMENSIONS - 5/4" WITH 1/4" REVEAL SCALE: NTS

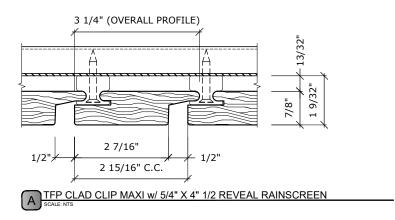


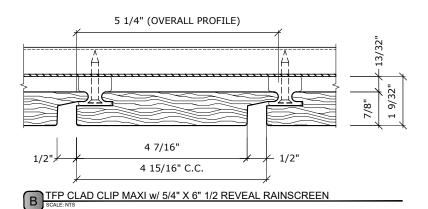


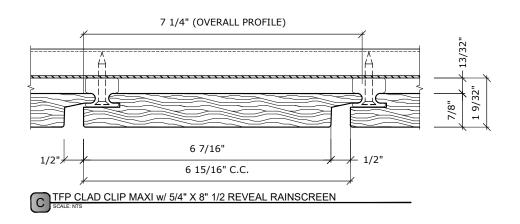




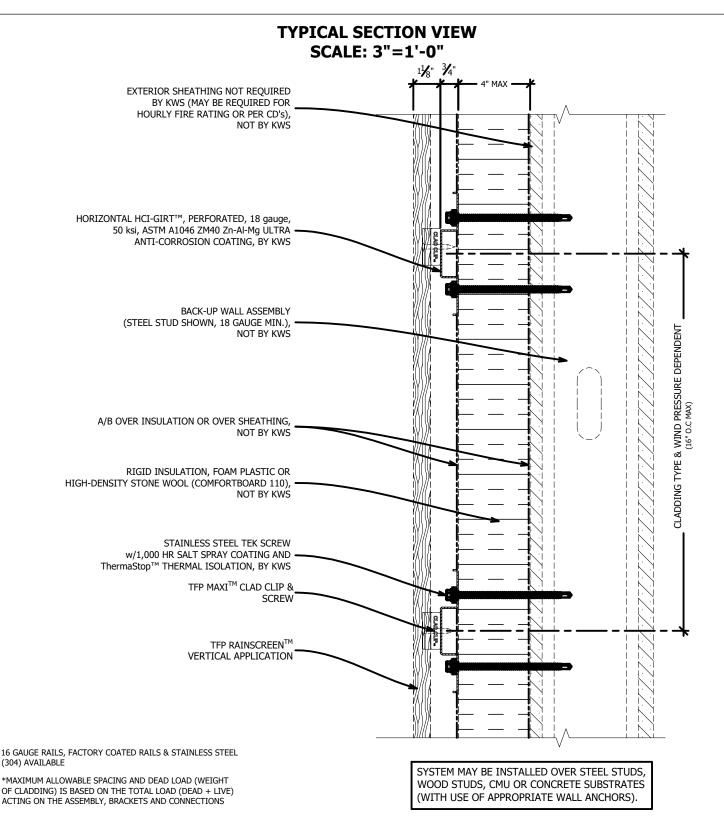
LAYUP DIMENSIONS - 5/4" WITH ½" REVEAL SCALE: NTS







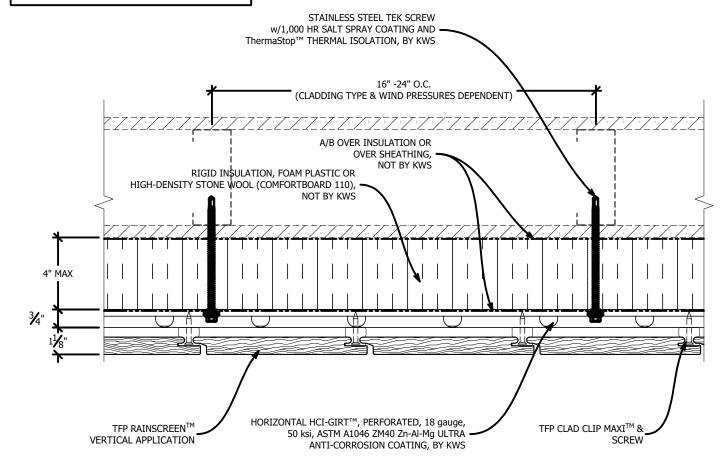






TYPICAL PLAN VIEW SCALE: 3"=1'-0"

SYSTEM MAY BE INSTALLED OVER STEEL STUDS, WOOD STUDS, CMU OR CONCRETE SUBSTRATES (WITH USE OF APPROPRIATE WALL ANCHORS).

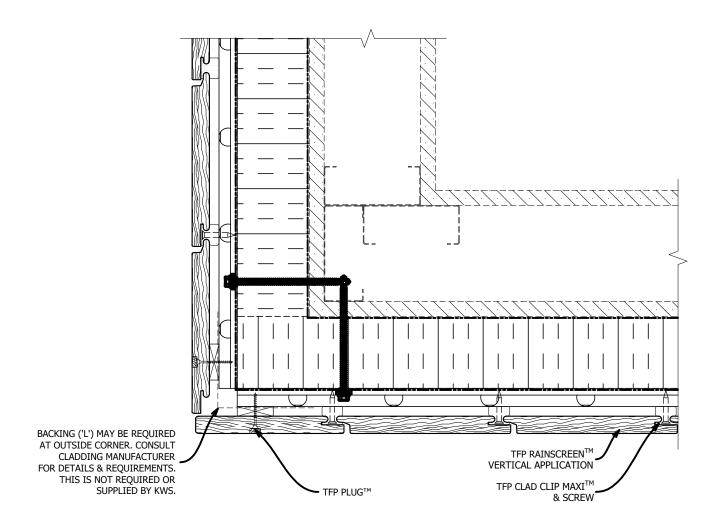


16 GAUGE RAILS, FACTORY COATED RAILS & STAINLESS STEEL (304) AVAILABLE

*MAXIMUM ALLOWABLE SPACING AND DEAD LOAD (WEIGHT OF CLADDING) IS BASED ON THE TOTAL LOAD (DEAD + LIVE) ACTING ON THE ASSEMBLY, BRACKETS AND CONNECTIONS



TYPICAL OUTSIDE CORNER CONDITION SCALE: 3"=1'-0"

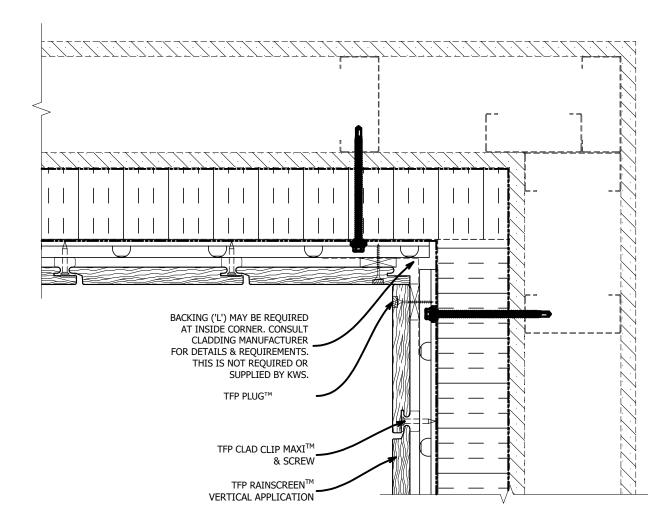


16 GAUGE RAILS, FACTORY COATED RAILS & STAINLESS STEEL (304) AVAILABLE

*MAXIMUM ALLOWABLE SPACING AND DEAD LOAD (WEIGHT OF CLADDING) IS BASED ON THE TOTAL LOAD (DEAD + LIVE) ACTING ON THE ASSEMBLY, BRACKETS AND CONNECTIONS



TYPICAL INSIDE CORNER CONDITION SCALE: 3"=1'-0"

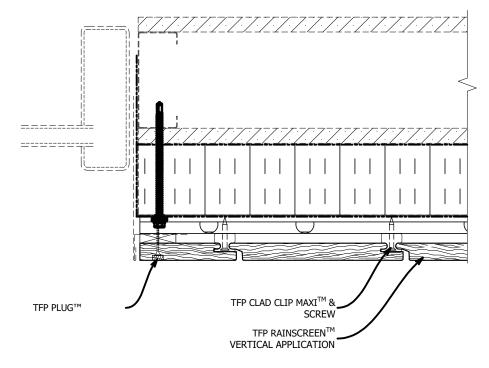


16 GAUGE RAILS, FACTORY COATED RAILS & STAINLESS STEEL (304) AVAILABLE

*MAXIMUM ALLOWABLE SPACING AND DEAD LOAD (WEIGHT OF CLADDING) IS BASED ON THE TOTAL LOAD (DEAD + LIVE) ACTING ON THE ASSEMBLY, BRACKETS AND CONNECTIONS



TYPICAL JAMB CONDITION SCALE: 3"=1'-0"



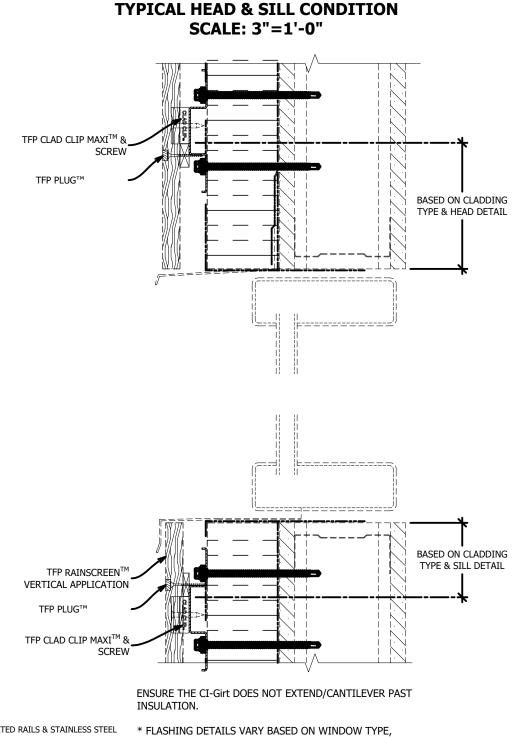
DO NOT ALLOW HCI-Girt TO OVERHANG INSULATION.

* FLASHING DETAILS VARY BASED ON WINDOW TYPE, POSITION (INSET VS FLUSH) AND CLADDING TYPE. FLASHING IS NOT BY KWS.

16 GAUGE RAILS, FACTORY COATED RAILS & STAINLESS STEEL (304) AVAILABLE

*MAXIMUM ALLOWABLE SPACING AND DEAD LOAD (WEIGHT OF CLADDING) IS BASED ON THE TOTAL LOAD (DEAD + LIVE) ACTING ON THE ASSEMBLY, BRACKETS AND CONNECTIONS



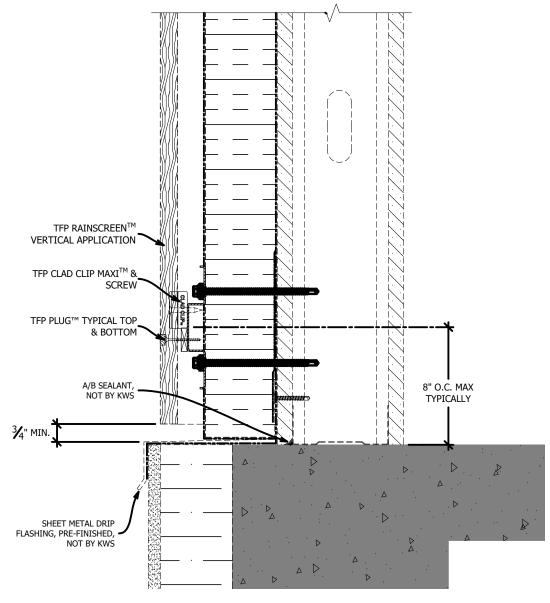


16 GAUGE RAILS, FACTORY COATED RAILS & STAINLESS STEEL (304) AVAILABLE

*MAXIMUM ALLOWABLE SPACING AND DEAD LOAD (WEIGHT OF CLADDING) IS BASED ON THE TOTAL LOAD (DEAD + LIVE) ACTING ON THE ASSEMBLY, BRACKETS AND CONNECTIONS * FLASHING DETAILS VARY BASED ON WINDOW TYPE, POSITION (INSET VS FLUSH) AND CLADDING TYPE. FLASHING IS NOT BY KWS.



TYPICAL BASE OF WALL CONDITION SCALE: 3"=1'-0"

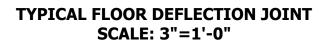


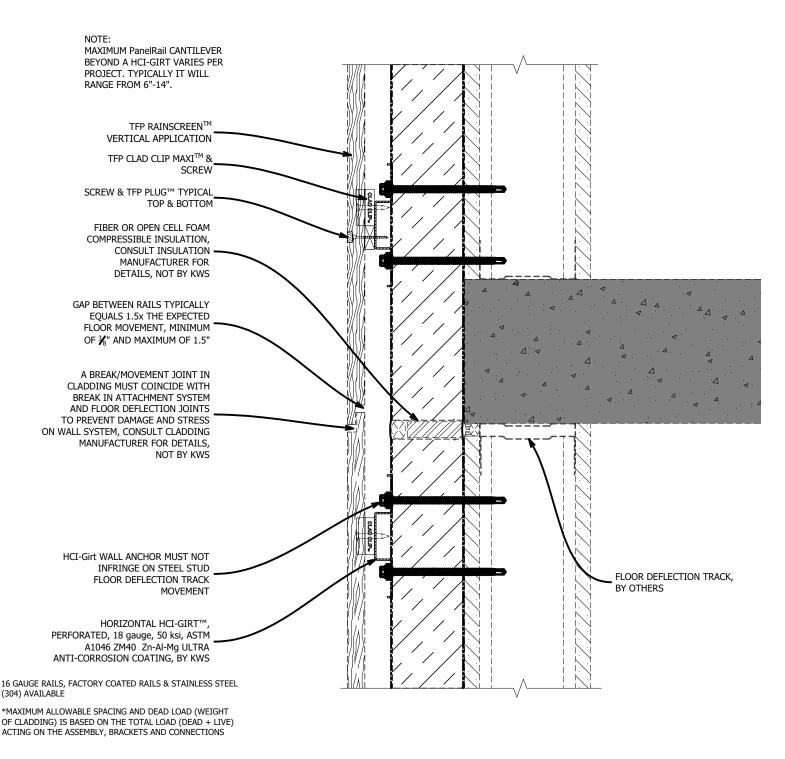
* CLEAR & UNRESTRICTED VENTILATION & DRAINAGE REQUIRED AT BASE OF WALL

16 GAUGE RAILS, FACTORY COATED RAILS & STAINLESS STEEL (304) AVAILABLE

*MAXIMUM ALLOWABLE SPACING AND DEAD LOAD (WEIGHT OF CLADDING) IS BASED ON THE TOTAL LOAD (DEAD + LIVE) ACTING ON THE ASSEMBLY, BRACKETS AND CONNECTIONS









KNIGHT WALL SYSTEMS GENERAL NOTES:

- KNIGHT WALL SYSTEMS (KWS) IS NOT RESPONSIBLE FOR INFORMATION SHOWN ON ALL DETAILS BEYOND KWS SPECIFIC SCOPE OF WORK (INDICATED AS "BY KWS").
- ALWAYS CONSULT THE PANELS INSTALLATION & DESIGN MANUAL FOR FURTHER INFORMATION AND THE LATEST REQUIREMENTS ON ANY PANEL INSTALLATION. THESE DETAILS ARE ONLY TO COMMUNICATE HOW KWS ATTACHMENT SYSTEMS CAN BE USED WITH CLADDING PANELS/SIDING, NOT NECESSARILY THE PANEL/SIDING REQUIREMENTS AS THEY VARY FROM MANUFACTURER TO MANUFACTURER.
- SYSTEM MAY BE INSTALLED OVER STEEL STUDS, WOOD STUDS, CMU OR CONCRETE SUBSTRATES (WITH USE OF APPROPRIATE WALL ANCHORS).
- PROJECT SPECIFIC ENGINEERING CAN BE PROVIDED BY KWS AND IS REQUIRED FOR A 10 YEAR LIMITED WRITTEN WARRANTY. KWS PROJECT SPECIFIC ENGINEERING, IF SUPPLIED, IS LIMITED TO THE LOAD CARRYING COMPONENTS OF THE PRODUCTS AND FASTENERS SUPPLIED BY KWS. THE BACK-UP WALL, WALL CLADDING PANELS AND/OR RAILS SUPPLIED BY OTHERS ARE WITH OTHER PARTIES.
- PLEASE READ OUR INSTALLATION AND DESIGN RECOMMENDATIONS DOCUMENT FOR FURTHER INFORMATION THAT IS IMPORTANT FOR YOUR SPECIFIC PROJECT AND PROPER INSTALLATION.
- DETAILS OF ADJACENT WORK ARE SHOWN FOR COMPLETENESS, CLARITY AND CONVENIENCE AS AN EXAMPLE OF A BUILT ENVIRONMENT ONLY.
- THE STRUCTURAL SUPPORT, BACK-UP WALL AND SUPER STRUCTURE DESIGN IS WITH OTHER PARTIES (SUCH AS, BUT NOT LIMITED TO, STEEL STUD WALL, etc.). THE RESPONSIBILITY FOR THESE OTHER ASSEMBLIES TO ACCOMMODATE ALL LOADS IMPOSED UPON THEM BY KWS PRODUCTS, OR ANY ATTACHMENT OR PANEL SYSTEM, SHOULD BE CONSIDERED.
- SOFT JOINTS, SEALANT AND FLASHING SPECIFICATIONS, DESIGN AND INSTALLATION ARE WITH OTHER PARTIES.
- WEATHER RESISTANT/AIR BARRIER AND INSULATION SPECIFICATIONS, DETAILING AND INSTALLATION, INCLUDING PENETRATIONS, ARE WITH OTHER PARTIES.
- INTERACTION BETWEEN DISSIMILAR MATERIALS, SUCH AS ALUMINUM AND STEEL, CAN BE SEPARATED VIA PLASTIC SHIMS, TAPE OR COATING TO PREVENT GALVANIC REACTION.
- USE SHEARING INSTRUMENTS FOR CUTTING METAL FRAMING COMPONENTS. SAWS ARE NOT RECOMMENDED, AS THE SPARKS PRODUCED DURING CUTTING WILL DAMAGE THE ANTI-CORROSION COATING. IF SPARKS ARE GENERATED DURING CUTTING, BE SURE THE PORTION OF THE COMPONENT TO BE INSTALLED ON THE BUILDING IS PROTECTED FROM SPARKS. THE SYSTEMS COMPONENTS MUST NOT BE CUT WHILE INSTALLED ON THE BUILDING UNLESS USING A SHEARING INSTRUMENT (I.E. SNIPS, etc.).
- USE OF IMPACT DRIVERS IS NOT RECOMMENDED WHEN DRIVING ANY FASTENER FOR THE SYSTEM.
- EXTERIOR INSULATION CAN BE RIGID FOAM PLASTIC OR HIGH-DENSITY STONE WOOL (COMFORTBOARD 110).
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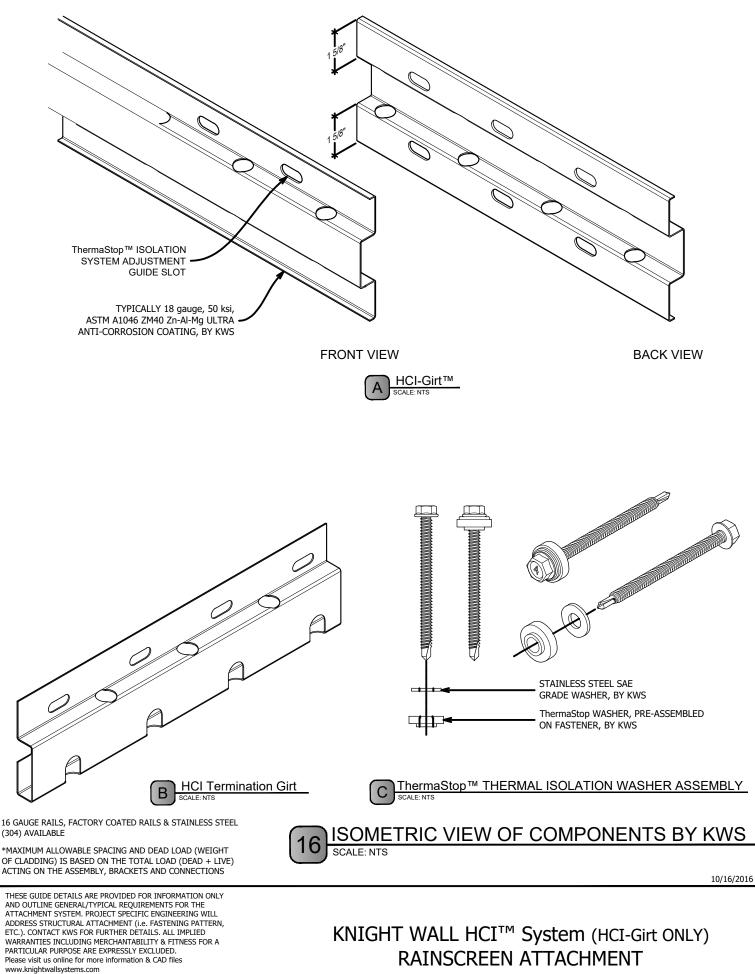
PLEASE FEEL FREE TO CONTACT KWS OR A LOCAL KWS REPRESENTATIVE FOR PROJECT SPECIFIC ASSISTANCE WITH DETAILS AND SPECIFYING 1.855.KWS.WALL Info@knightwallsystems.com www.knightwallsystems.com

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KNIGHT WALL HCI[™] System (HCI-Girt ONLY) RAINSCREEN ATTACHMENT

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