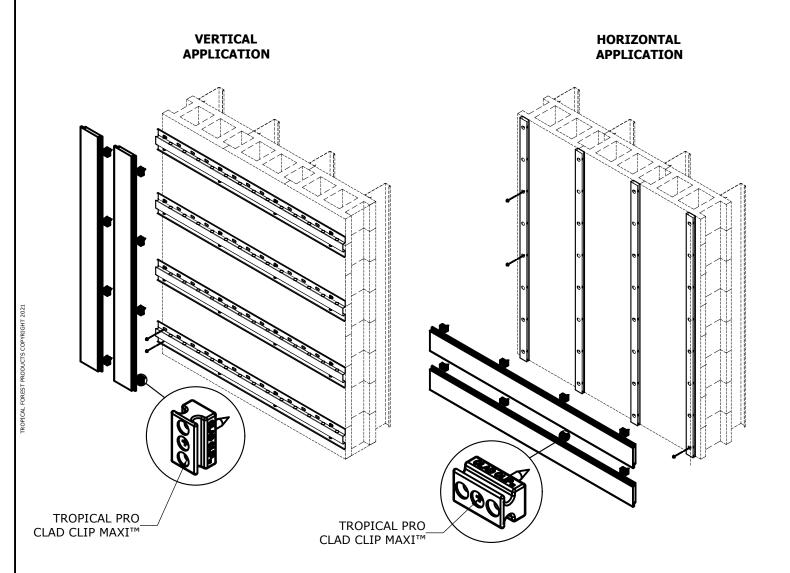
TROPICAL PRO CLAD CLIP™ AND RAIN SCREEN SYSTEM GUIDE: GALVANIZED BATTENS ON MASONRY HORIZONTAL & VERTICAL APPLICATIONS



SEE DETAILS FOR GIRT ORIENTATION

SYSTEM DEPTH W/ TROPICAL RAINSCREENTM & TROPICAL PRO CLAD CLIPTM: 1" RAINSCREEN W/ $\frac{3}{4}$ " GIRT = 1 $\frac{7}{8}$ " 5/4" RAINSCREEN W/ $\frac{3}{4}$ " GIRT = 2" (FACE OF MASONRY TO FACE OF RAINSCREEN)

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TROPICAL 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 TROPICAL RAINSCREEN 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.
- TROPICAL FOREST PRODUCTS HAS SELECTED FASTENER AND CLIP METAL GRADES DESIGNED TO REDUCE GALVANIC REACTION. POTENTIAL GLAVANIC REACTION ALWAYS EXISTS AT SOME LEVEL WHEN DISSIMILAR METALS 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.
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- BUILDING AND/OR CONSTRUCTION PRACTICES UNRELATED TO BUILDING MATERIALS COULD GREATLY AFFECT
 MOISTURE AND THE POTENTIAL FOR MOLD FORMATION. NO MATERIAL SUPPLIER INCLUDING TROPICAL
 FOREST PRODUCTS CAN GIVE ASSURANCE THAT MOLD WILL NOT DEVELOP.

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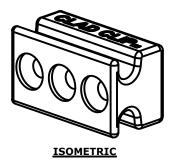
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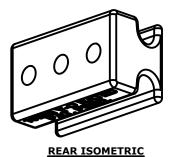
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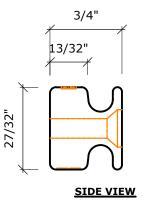
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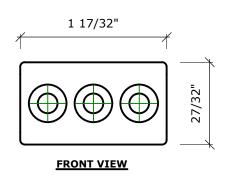
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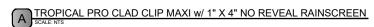
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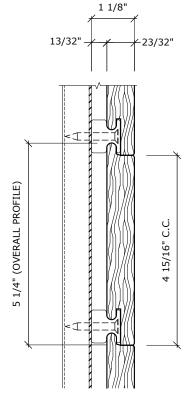
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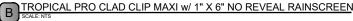
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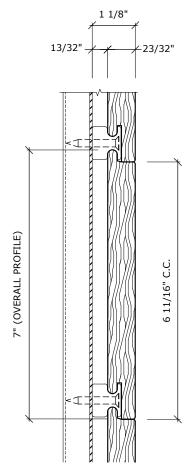


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TROPICAL PRO CLAD CLIP MAXI w/ 1" X 8" NO REVEAL RAINSCREEN

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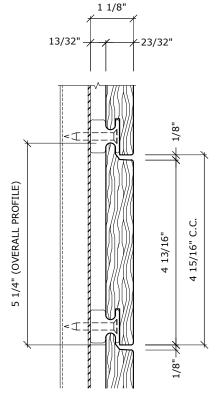
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TROPICAL PRO CLAD CLIP MAXI w/ 1" X 4" 1/8 REVEAL RAINSCREEN



7" (OVERALL PROFILE)

53/35.

6 9/16.

6 11/16" C.C.

1 1/8"

TROPICAL PRO CLAD CLIP MAXI w/ 1" X 6" 1/8 REVEAL RAINSCREEN

TROPICAL PRO CLAD CLIP MAXI w/ 1" X 8" 1/8 REVEAL RAINSCREEN

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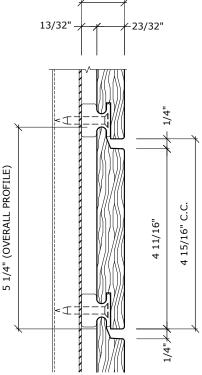
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TROPICAL PRO CLAD CLIP MAXI w/ 1" X 4" 1/4 REVEAL RAINSCREEN

1 1/8"



7" (OVERALL PROFILE)

11/4"

6 7/16"

6 11/16" C.C.

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

TROPICAL PRO CLAD CLIP MAXI w/ 1" X 8" 1/4 REVEAL RAINSCREEN

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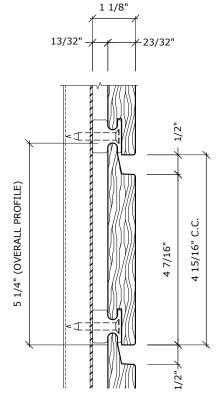
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TROPICAL PRO CLAD CLIP MAXI w/ 1" X 4" 1/2 REVEAL RAINSCREEN



7" (OVERALL PROFILE)

A

6 3/16"

6 11/16" C.C.

1 1/8"

23/32"

13/32

B TROPICAL PRO CLAD CLIP MAXI w/ 1" X 6" 1/2 REVEAL RAINSCREEN

TROPICAL PRO CLAD CLIP MAXI w/ 1" X 8" 1/2 REVEAL RAINSCREEN
SCALE: NTS

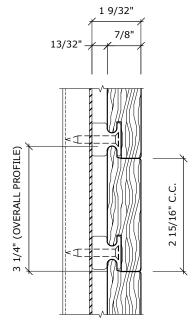
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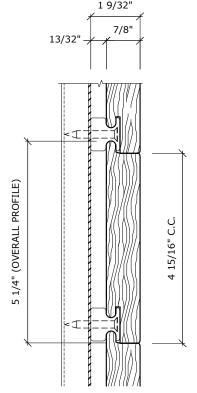
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TROPICAL PRO CLAD CLIP MAXI w/ 5/4" X 4" NO REVEAL RAINSCREEN



1 9/32"

B TROPICAL PRO CLAD CLIP MAXI w/ 5/4" X 6" NO REVEAL RAINSCREEN

TROPICAL PRO CLAD CLIP MAXI w/ 5/4" X 8" NO REVEAL RAINSCREEN

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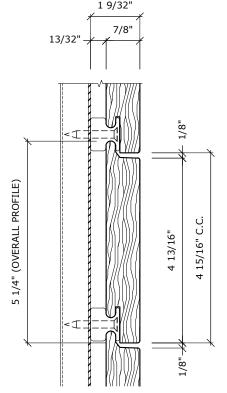
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TROPICAL PRO CLAD CLIP MAXI w/ 5/4" X 4" 1/8 REVEAL RAINSCREEN



1 9/32"

TROPICAL PRO CLAD CLIP MAXI w/ 5/4" X 6" 1/8 REVEAL RAINSCREEN

TROPICAL PRO CLAD CLIP MAXI w/ 5/4" X 8" 1/8 REVEAL RAINSCREEN

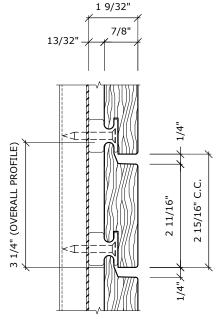
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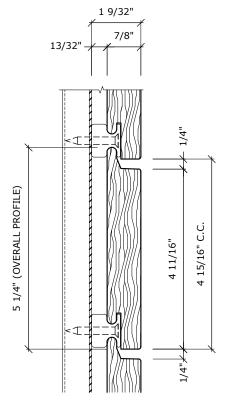
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TROPICAL PRO CLAD CLIP MAXI w/ 5/4" X 4" 1/4 REVEAL RAINSCREEN



1 9/32"

B TROPICAL PRO CLAD CLIP MAXI w/ 5/4" X 6" 1/4 REVEAL RAINSCREEN

TROPICAL PRO CLAD CLIP MAXI w/ 5/4" X 8" 1/4 REVEAL RAINSCREEN
SCALE: NTS

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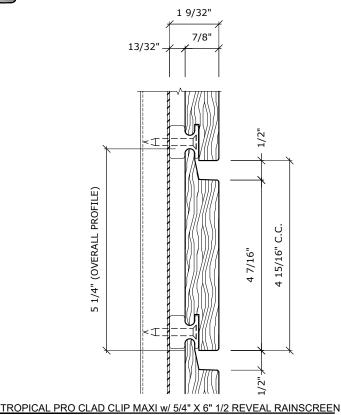
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A TROPICAL PRO CLAD CLIP MAXI w/ 5/4" X 4" 1/2 REVEAL RAINSCREEN



TROPICAL PRO CLAD CLIP MAXI w/ 5/4" X 8" 1/2 REVEAL RAINSCREEN

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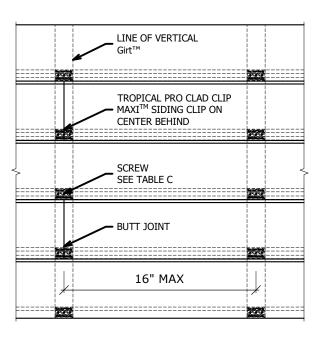


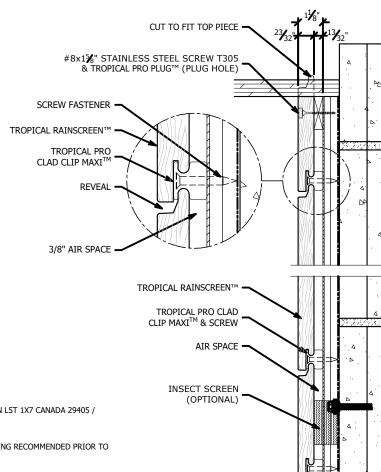
1 9/32"

13/32

(OVERALL PROFILE)

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NOTES

- BASIS OF DESIGN TFP® RAINSCREEN SYSTEM ADDRESS: 6200 TOMKEN RD, MISSISSAUGA, ON L5T 1X7 CANADA 29405 / PHONE: 905.672.8000
- 2. TFP® CLADDING WOOD SPECIES AS DENOTED IN PLANS AND SPECIFICATIONS
- 3. APPLICATION OF FIRST COAT OF TROPICAL IPE + MARINE OIL TO ALL FACES OF WOOD CLADDING RECOMMENDED PRIOR TO CLADDING INSTALATION
- 4. USE #10 X 1.25" 410 STAINLESS STEEL SELF DRILLING FLAT HEAD SCREW SUPPLIED BY TFP
- 5. IF METAL FURRING STRIPS ARE USED, USE #10 X 3/4" SCREW. ATTACHMENT AND INTEGRITY OF FURRING STRIP IS BY OTHERS AND SHALL MEET ALL IMPOSING LOADS, METAL FURRING MUST BE 18 GA MINIMUM.
- 6. NOTE: IF A LESSER DIAMETER SCREW OR OTHER THAN MANUFACTURE'S SCREW TYPE IS DESIRED TO BE USED, THE RESULTING PRESSURES AND SPACING WILL CHANGE. THE PERMUTATIONS OF THESE OPTIONS IS OUTSIDE THE SCOPE OF THIS PLAN.
- ALL WORK SPECIFIED HEREIN HAS BEEN DESIGNED AND SHALL BE FABRICATED IN ACCORDANCE WITH THE FLORIDA BUILDING CODE FIFTH EDITION (2014)
- 8. ALL MATERIALS USED & FABRICATION METHODS SHALL CONFORM TO THE MANUFACTURER'S PUBLISHED AND APPROVED REQUIREMENTS .
- 9. ALL FASTENERS TO BE STAINLESS STEEL.

SIDING SIZES	TYPE OF CONNECTION	PANEL/FURRING THICKNESS	CLIP SPACING	CLIP TYPE	SCREWS PER CLIP	SCREW	ALLOWABLE PRESSURE
1" X 8"	CLIP TO STEEL FURRING	20 GA 16 GA.	16"	MAXI	1 PCS.	#10 X 1.25	110.0 PSF
1" X 6"	CLIP TO STEEL FURRING	20 GA 16 GA.	16"	MAXI	1 PCS.	#10 X 1.25	110.0 PSF
1" x 4"	CLIP TO STEEL FURRING	20 GA 16 GA.	16"	MAXI	1 PCS.	#10 X 1.25	110.0 PSF



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SECTION

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

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

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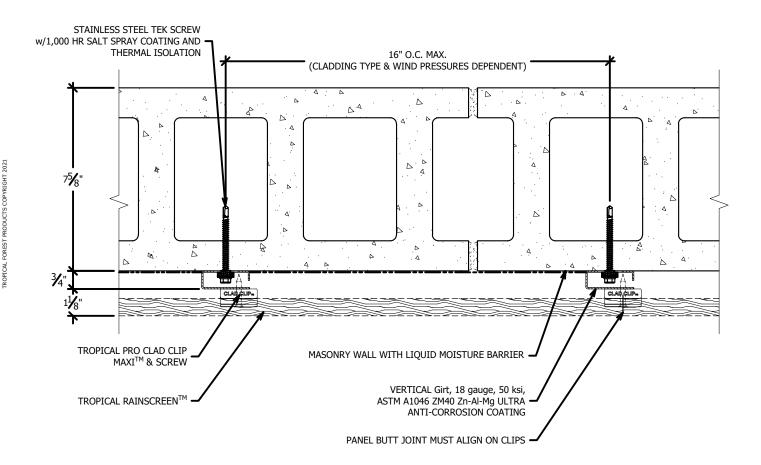
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HORIZONTAL APPLICATION: TYPICAL PLAN VIEW: SCALE: 3"=1'-0"

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



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

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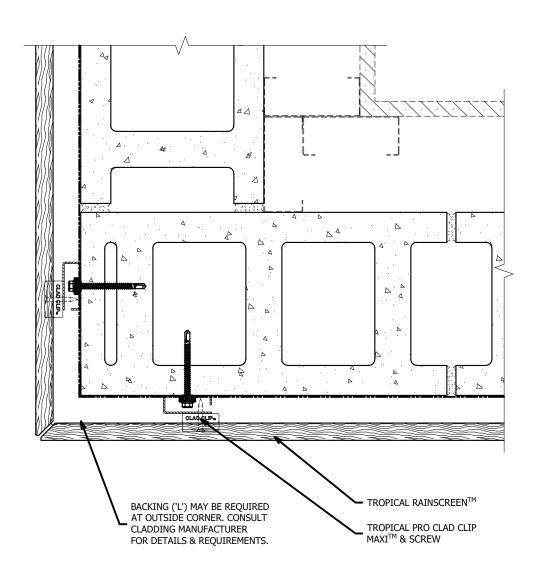
(WITH USE OF APPROPRIATE WALL ANCHORS).

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TYPICAL OUTSIDE CORNER CONDITION: MITER W/ GAP SCALE: 3"=1'-0"

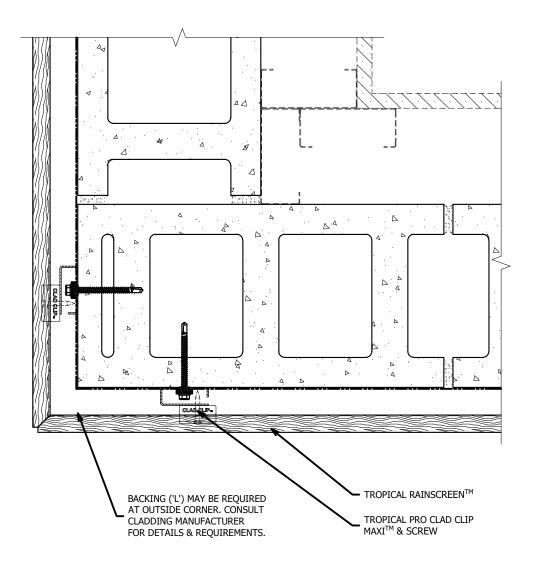


*MAXIMUM ALLOWABLE SPACING AND DEAD LOAD (WEIGHT OF CLADDING) IS BASED ON THE TOTAL LOAD (DEAD + LIVE) ACTING ON THE ASSEMBLY, BRACKETS AND CONNECTIONS

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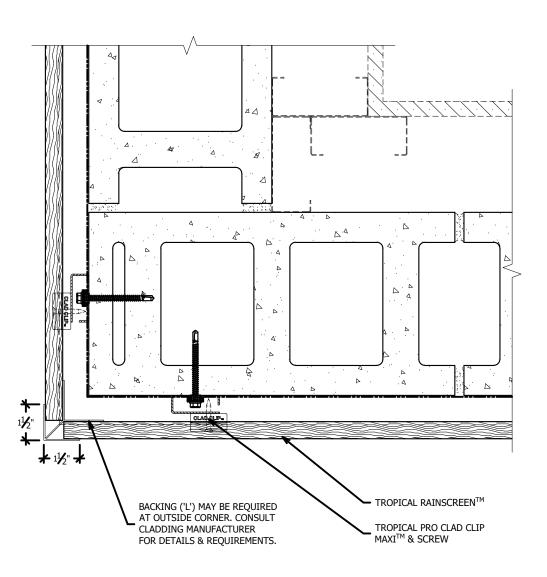
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HORIZONTAL APPLICATION: TYPICAL OUTSIDE CORNER CONDITION: ALUMINUM EXTRUSION SCALE: 3"=1'-0"



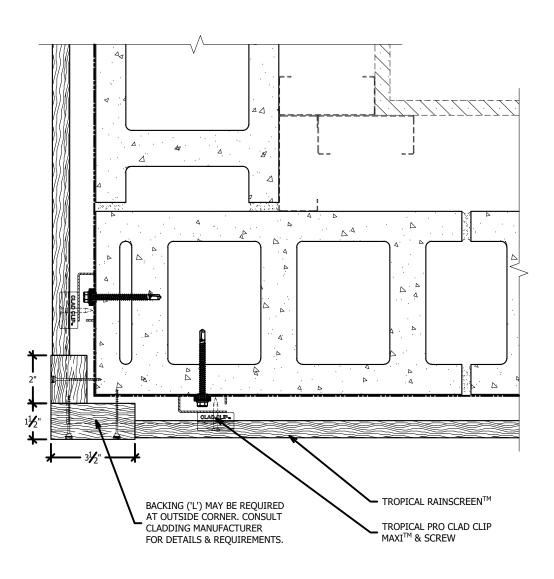
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HORIZONTAL APPLICATION: TYPICAL OUTSIDE CORNER CONDITION: FLUSH WOOD SCALE: 3"=1'-0"



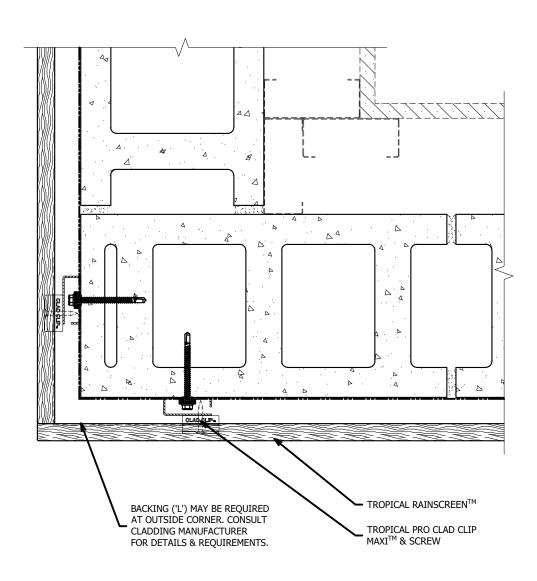
*MAXIMUM ALLOWABLE SPACING AND DEAD LOAD (WEIGHT OF CLADDING) IS BASED ON THE TOTAL LOAD (DEAD + LIVE) ACTING ON THE ASSEMBLY, BRACKETS AND CONNECTIONS

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HORIZONTAL APPLICATION: TYPICAL OUTSIDE CORNER CONDITION: BUTT JOINT SCALE: 3"=1'-0"

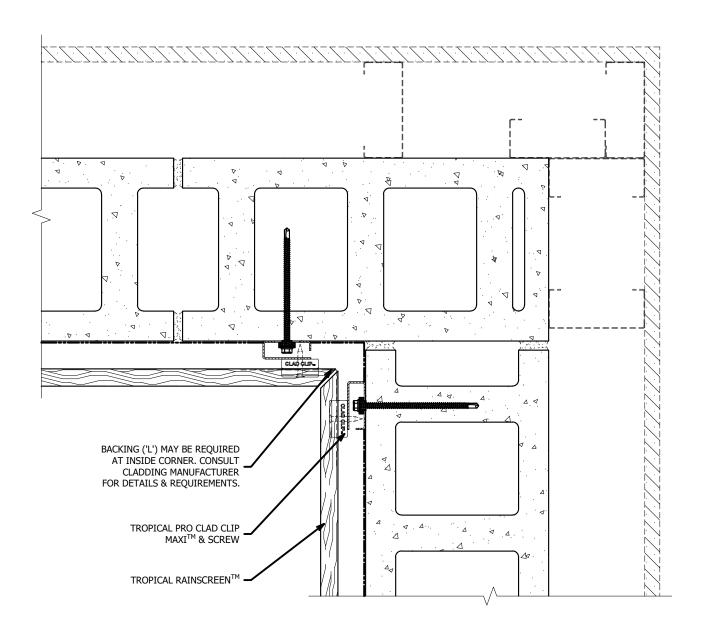


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\triangle Δ.Δ Δ Δ

ENSURE THE FULL WIDTH OF THE Girt RESTS ON MASONRY WALL. DO NOT ALLOW Girt TO OVERHANG MASONRY WALL.

* FLASHING DETAILS VARY BASED ON WINDOW TYPE, POSITION (INSET VS FLUSH) AND CLADDING TYPE.

TROPICAL RAINSCREEN $^{\!\mathsf{TM}}$

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

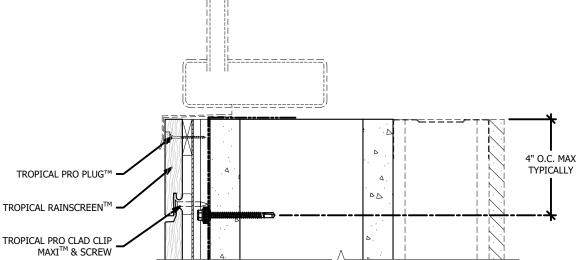
TROPICAL PRO CLAD CLIP

MAXI[™] & SCREW

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ENSURE THE Girt DOES NOT EXTEND/CANTILEVER PAST MASONRY WALL.

* FLASHING DETAILS VARY BASED ON WINDOW TYPE, POSITION (INSET VS FLUSH) AND CLADDING TYPE.

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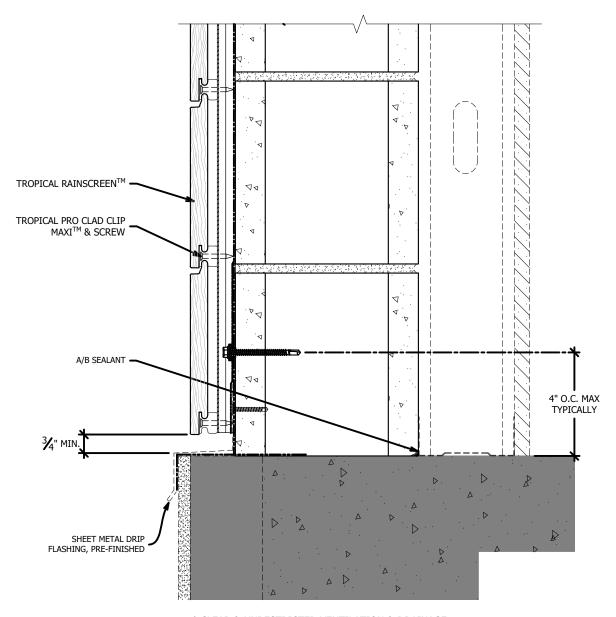
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HORIZONTAL APPLICATION: TYPICAL BASE OF WALL CONDITION SCALE: 3"=1'-0"



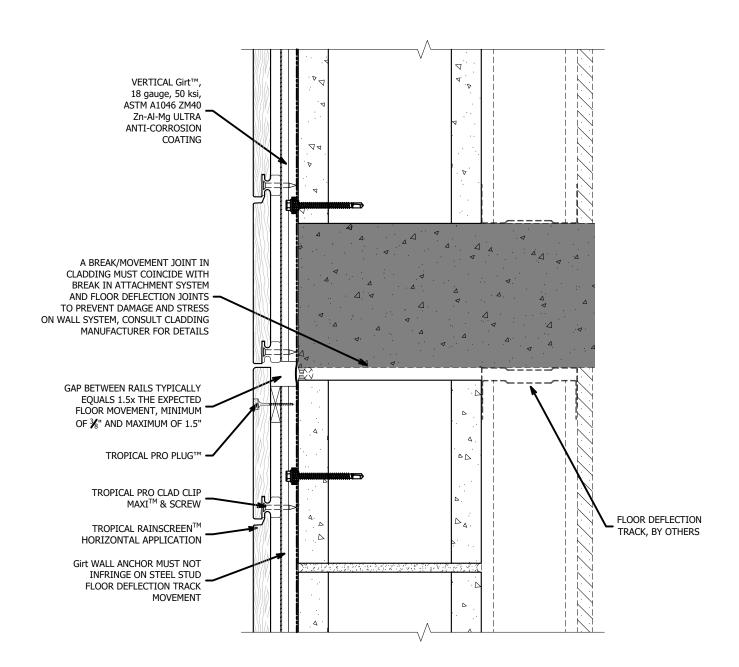
* CLEAR & UNRESTRICTED VENTILATION & DRAINAGE REQUIRED AT BASE OF WALL

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

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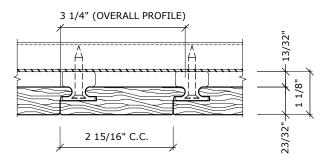
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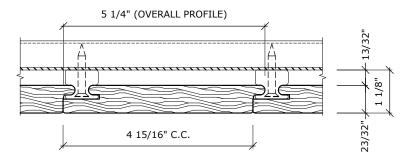
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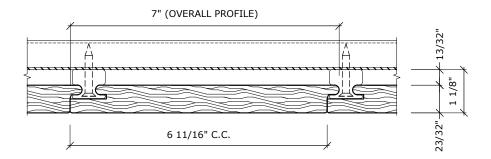
VERTICAL APPLICATION: LAYUP DIMENSIONS: 1" WITH NO REVEAL SCALE: NTS



TROPICAL PRO CLAD CLIP MAXI w/ 1" X 4" NO REVEAL RAINSCREEN
SCALE:NTS



TROPICAL PRO CLAD CLIP MAXI w/ 1" X 6" NO REVEAL RAINSCREEN



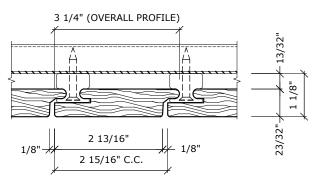
TROPICAL PRO CLAD CLIP MAXI w/ 1" X 8" NO REVEAL RAINSCREEN
SCALE: NTS

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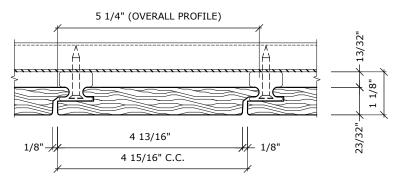
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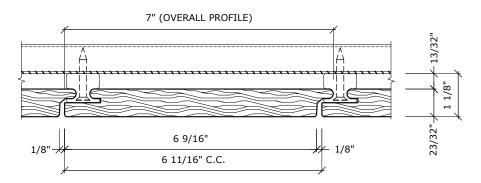
VERTICAL APPLICATION: LAYUP DIMENSIONS: 1" WITH 1/8" REVEAL SCALE: NTS



TROPICAL PRO CLAD CLIP MAXI w/ 1" X 4" 1/8 REVEAL RAINSCREEN



B TROPICAL PRO CLAD CLIP MAXI w/ 1" X 6" 1/8 REVEAL RAINSCREEN



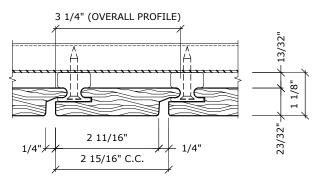
TROPICAL PRO CLAD CLIP MAXI w/ 1" X 8" 1/8 REVEAL RAINSCREEN
SCALE: NTS

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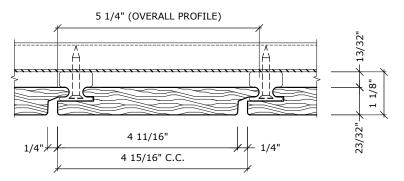
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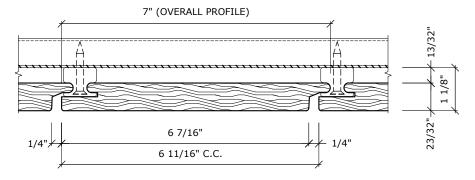
VERTICAL APPLICATION: LAYUP DIMENSIONS: 1" WITH ½" REVEAL SCALE: NTS



TROPICAL PRO CLAD CLIP MAXI w/ 1" X 4" 1/4 REVEAL RAINSCREEN



B TROPICAL PRO CLAD CLIP MAXI w/ 1" X 6" 1/4 REVEAL RAINSCREEN



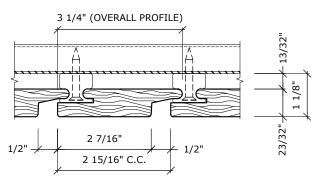
TROPICAL PRO CLAD CLIP MAXI w/ 1" X 8" 1/4 REVEAL RAINSCREEN
SCALE: NTS

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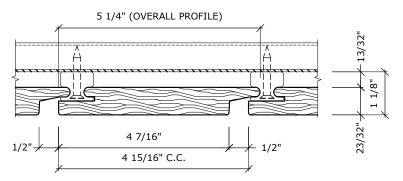
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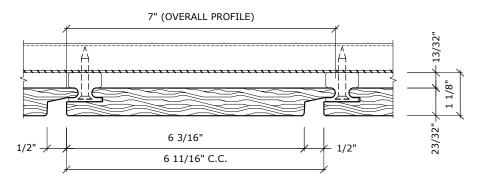
VERTICAL APPLICATION: LAYUP DIMENSIONS: 1" WITH ½" REVEAL SCALE: NTS



TROPICAL PRO CLAD CLIP MAXI w/ 1" X 4" 1/2 REVEAL RAINSCREEN



B TROPICAL PRO CLAD CLIP MAXI w/ 1" X 6" 1/2 REVEAL RAINSCREEN



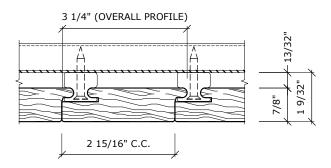
TROPICAL PRO CLAD CLIP MAXI w/ 1" X 8" 1/2 REVEAL RAINSCREEN
SCALE: NTS

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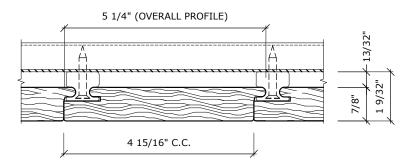
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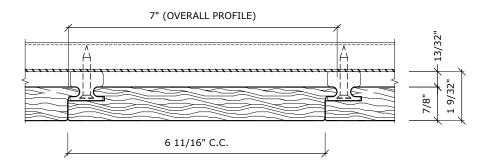
VERTICAL APPLICATION: LAYUP DIMENSIONS: 5/4" WITH NO REVEAL SCALE: NTS



TROPICAL PRO CLAD CLIP MAXI w/ 5/4" X 4" NO REVEAL RAINSCREEN



B TROPICAL PRO CLAD CLIP MAXI w/ 5/4" X 6" NO REVEAL RAINSCREEN



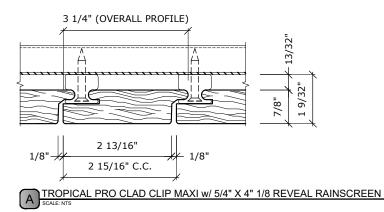
TROPICAL PRO CLAD CLIP MAXI w/ 5/4" X 8" NO REVEAL RAINSCREEN

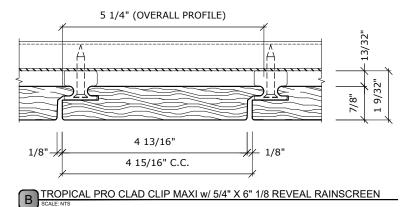
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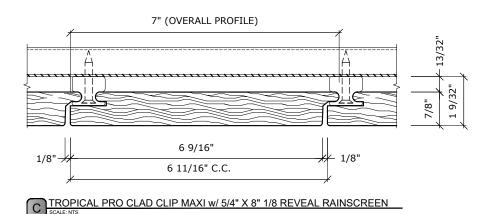
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VERTICAL APPLICATION: LAYUP DIMENSIONS: 5/4" WITH ½" REVEAL SCALE: NTS





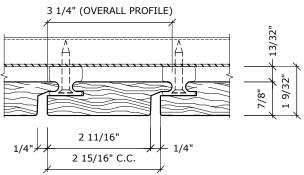


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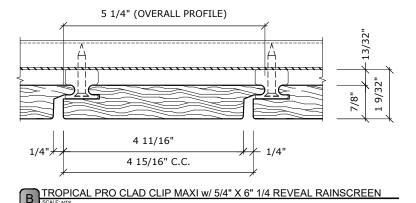
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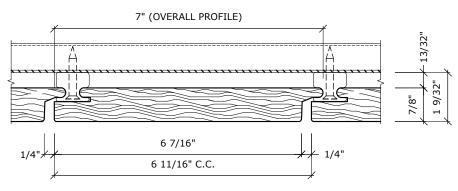


VERTICAL APPLICATION: LAYUP DIMENSIONS: 5/4" WITH ½" REVEAL SCALE: NTS



A TROPICAL PRO CLAD CLIP MAXI w/ 5/4" X 4" 1/4 REVEAL RAINSCREEN





TROPICAL PRO CLAD CLIP MAXI w/ 5/4" X 8" 1/4 REVEAL RAINSCREEN

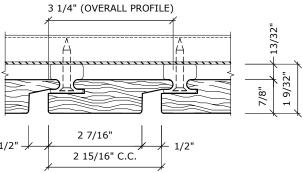
SCALE: NTS

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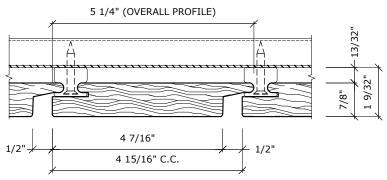
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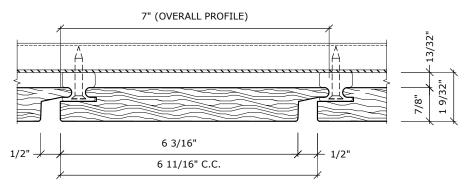
VERTICAL APPLICATION: LAYUP DIMENSIONS: 5/4" WITH ½" REVEAL SCALE: NTS



TROPICAL PRO CLAD CLIP MAXI w/ 5/4" X 4" 1/2 REVEAL RAINSCREEN



B TROPICAL PRO CLAD CLIP MAXI w/ 5/4" X 6" 1/2 REVEAL RAINSCREEN

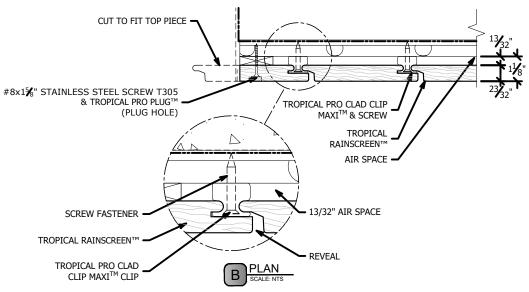


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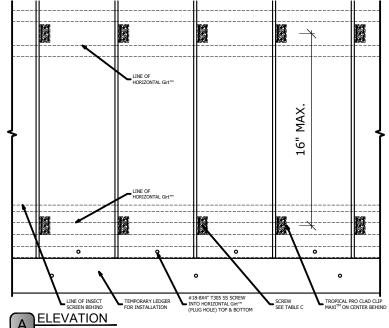
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NOTES

- BASIS OF DESIGN TFP® RAINSCREEN SYSTEM ADDRESS: 6200 TOMKEN RD, MISSISSAUGA, ON L5T 1X7 CANADA 29405 / PHONE: 905.672.8000
- 2. TFP® CLADDING WOOD SPECIES AS DENOTED IN PLANS AND SPECIFICATIONS
- APPLICATION OF FIRST COAT OF TROPICAL IPE + MARINE OIL TO ALL FACES OF WOOD CLADDING RECOMMENDED PRIOR TO CLADDING INSTALATION
- 4. USE #10 X 1.25" 410 STAINLESS STEEL SELF DRILLING FLAT HEAD SCREW SUPPLIED BY TEP
- IF METAL FURRING STRIPS ARE USED, USE #10 X 3/4" SCREW. ATTACHMENT AND INTEGRITY OF FURRING STRIP IS BY OTHERS AND SHALL MEET ALL IMPOSING LOADS, METAL FURRING MUST BE 18 GA MINIMUM.
- NOTE: IF A LESSER DIAMETER SCREW OR OTHER THAN MANUFACTURE'S SCREW TYPE IS DESIRED TO BE USED, THE RESULTING PRESSURES AND SPACING WILL CHANGE. THE PERMUTATIONS OF THESE OPTIONS IS OUTSIDE THE SCOPE OF THIS PLAN.
- ALL WORK SPECIFIED HEREIN HAS BEEN DESIGNED AND SHALL BE FABRICATED IN ACCORDANCE WITH THE FLORIDA BUILDING CODE FIFTH EDITION (2014)
- 8. ALL MATERIALS USED & FABRICATION METHODS SHALL CONFORM TO THE MANUFACTURER'S PUBLISHED AND APPROVED REQUIREMENTS .
- 9. ALL FASTENERS TO BE STAINLESS STEEL.



SIDING SIZES	TYPE OF CONNECTION	PANEL/FURRING THICKNESS	CLIP SPACING	CLIP TYPE	SCREWS PER CLIP	SCREW	ALLOWABLE PRESSURE
1" X 8"	CLIP TO STEEL FURRING	20 GA 16 GA.	16"	MAXI	1 PCS.	#10 X 1.25	110.0 PSF
1" X 6"	CLIP TO STEEL FURRING	20 GA 16 GA.	16"	MAXI	1 PCS.	#10 X 1.25	110.0 PSF
1" x 4"	CLIP TO STEEL FURRING	20 GA 16 GA.	16"	MAXI	1 PCS.	#10 X 1.25	110.0 PSF

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OF CLADDING) IS BASED ON THE TOTAL LOAD (DEAD + LIVE) ACTING ON THE ASSEMBLY, BRACKETS AND CONNECTIONS

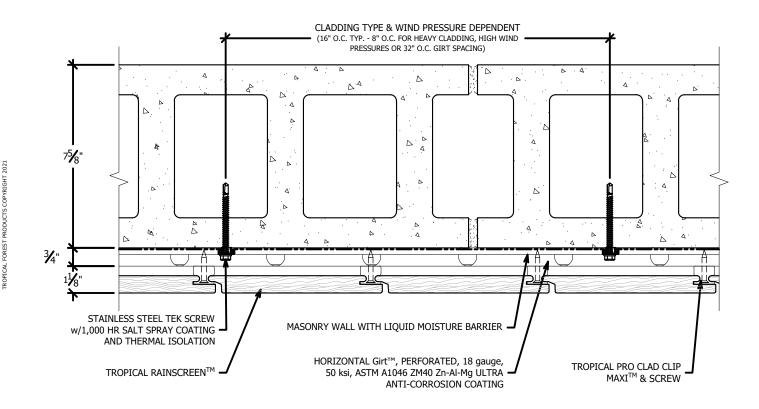
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VERTICAL APPLICATION: TYPICAL PLAN VIEW: SCALE: 3"=1'-0"

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



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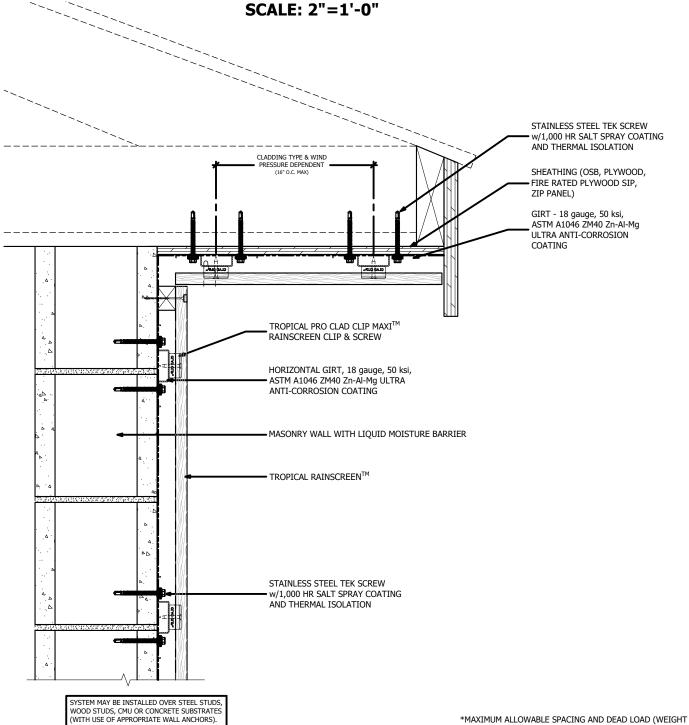
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VERTICAL APPLICATION: TYPICAL SECTION VIEW W/ SOFFIT:



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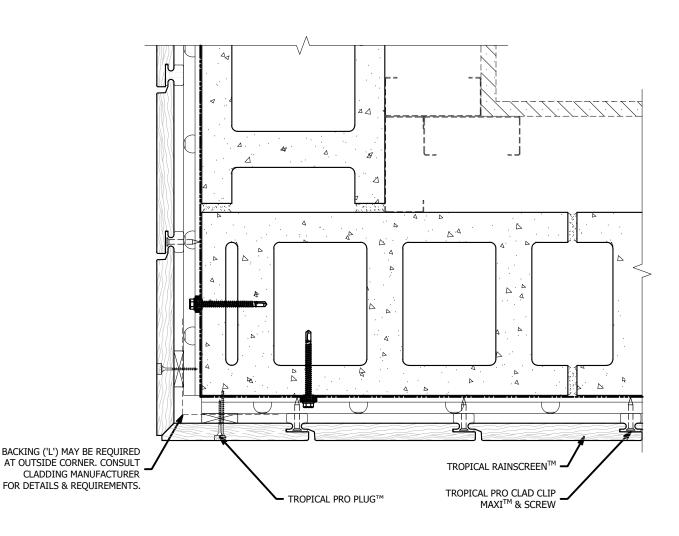
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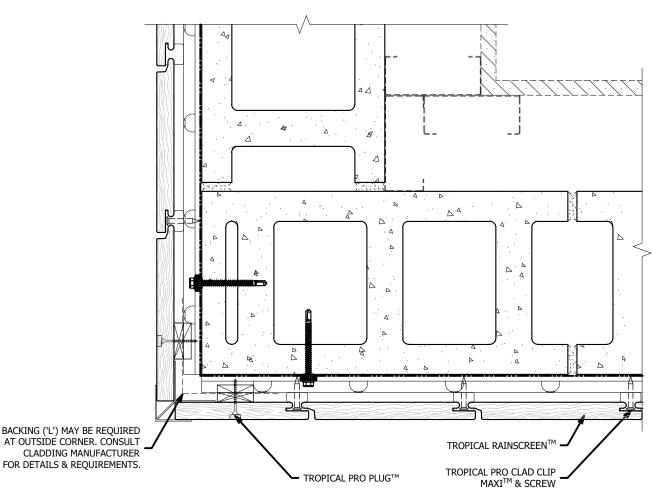
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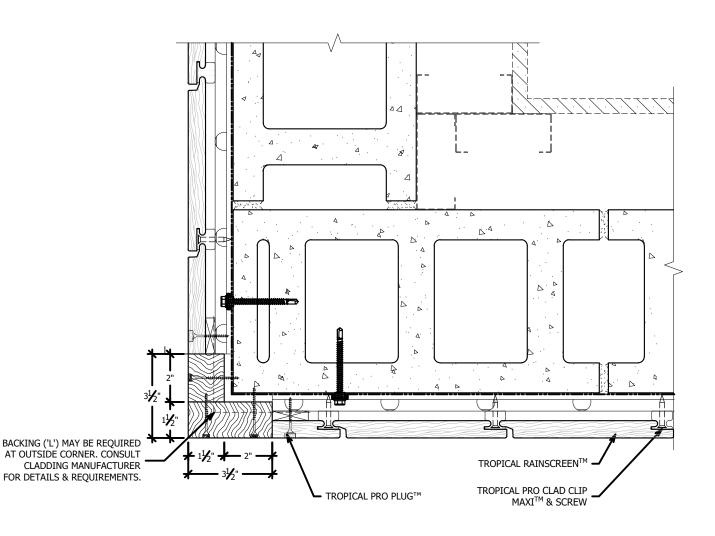
CLADDING MANUFACTURER FOR DETAILS & REQUIREMENTS.

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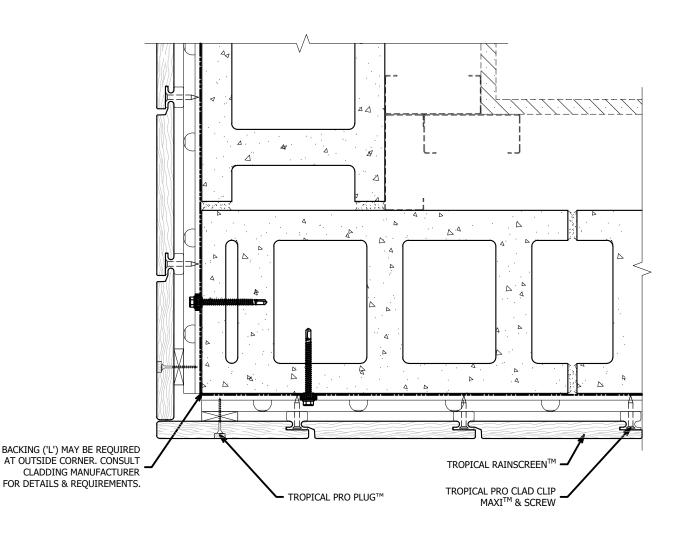




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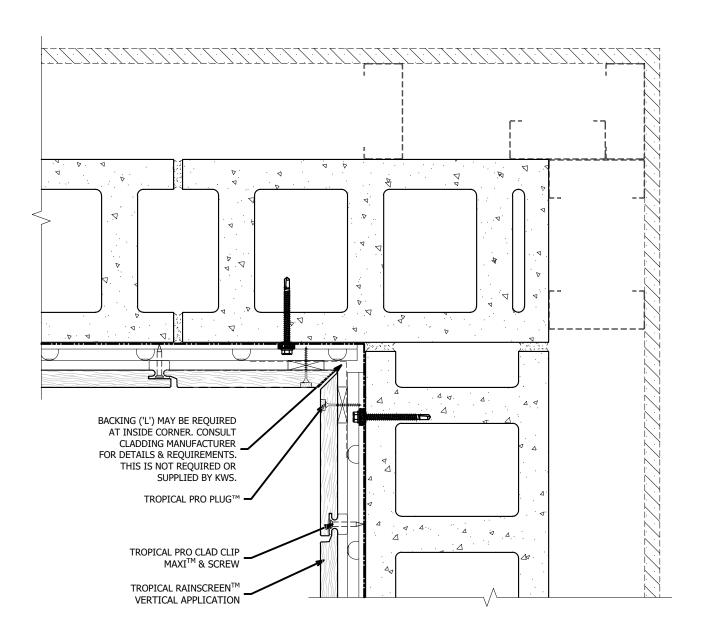




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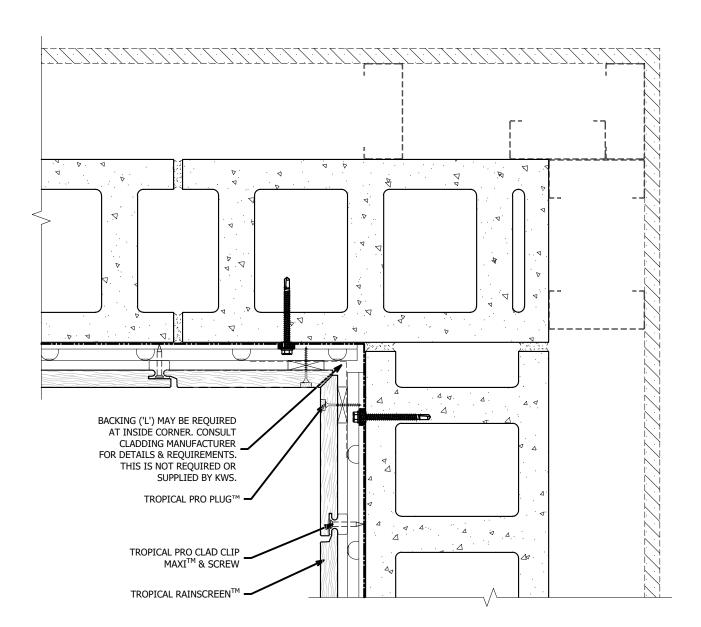
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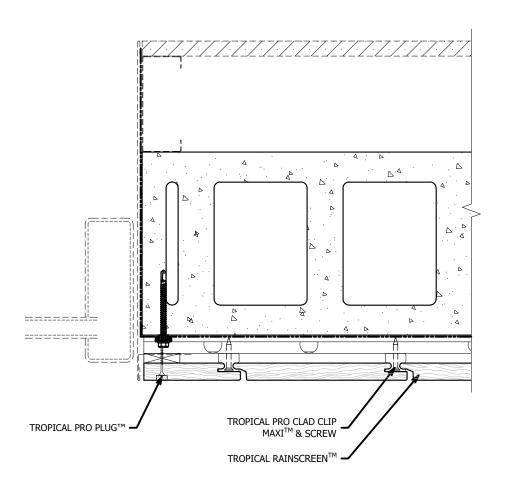
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DO NOT ALLOW GIRT TO OVERHANG MASONRY * FLASHING DETAILS VARY BASED ON WINDOW TYPE, POSITION (INSET VS FLUSH) AND CLADDING TYPE.

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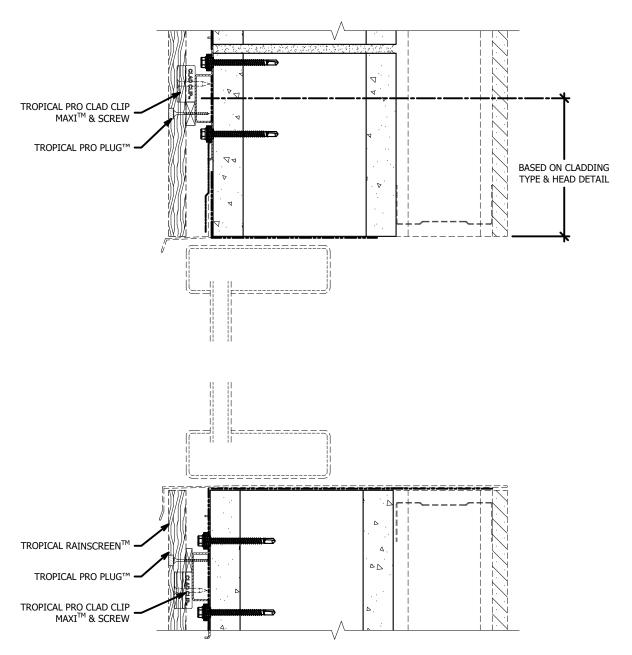
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ENSURE THE GIRT DOES NOT EXTEND/CANTILEVER PAST MASONRY WALL.

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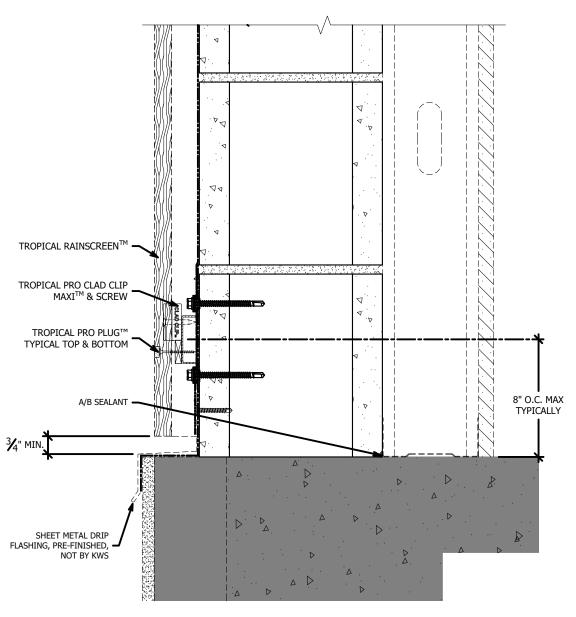
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VERTICAL APPLICATION: TYPICAL BASE OF WALL CONDITION SCALE: 3"=1'-0"



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

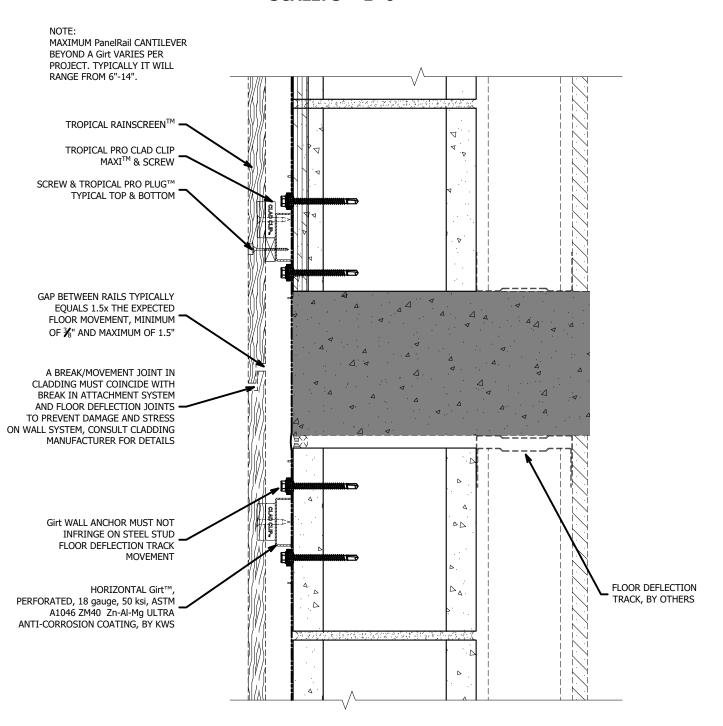
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VERTICAL APPLICATION: TYPICAL FLOOR DEFLECTION JOINT SCALE: 3"=1'-0"



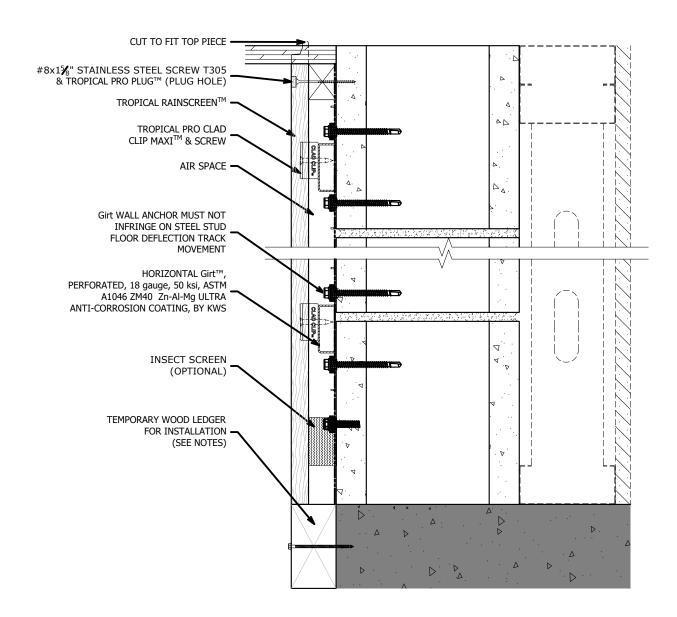
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VERTICAL APPLICATION: TYPICAL BOTTOM LEDGER & SCREW INSTALLATION SCALE: 3"=1'-0"



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