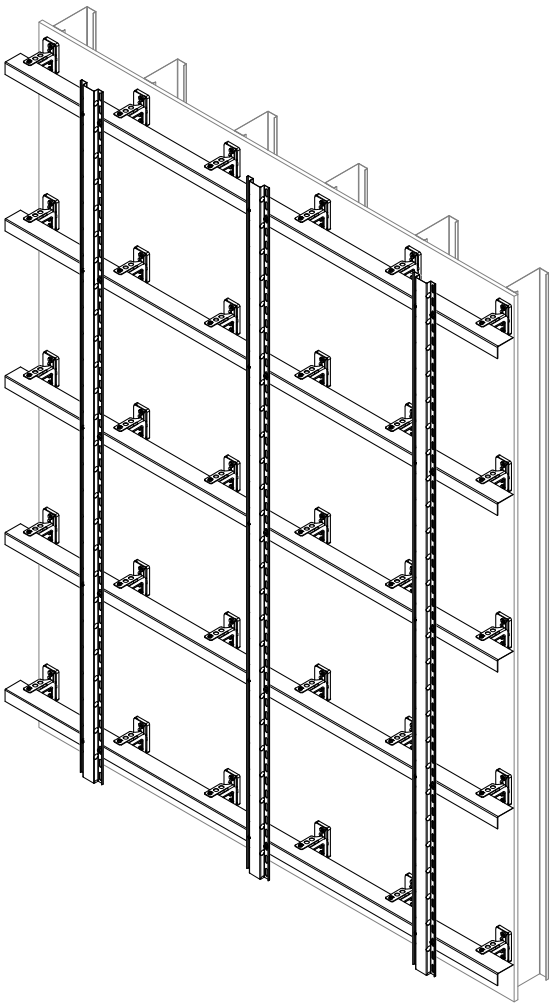
KNIGHT® WALL SYSTEMS

ADJUSTAKLIP™ GUIDE DETAILS

ADJUSTABLE CLADDING SUPPORT SYSTEM

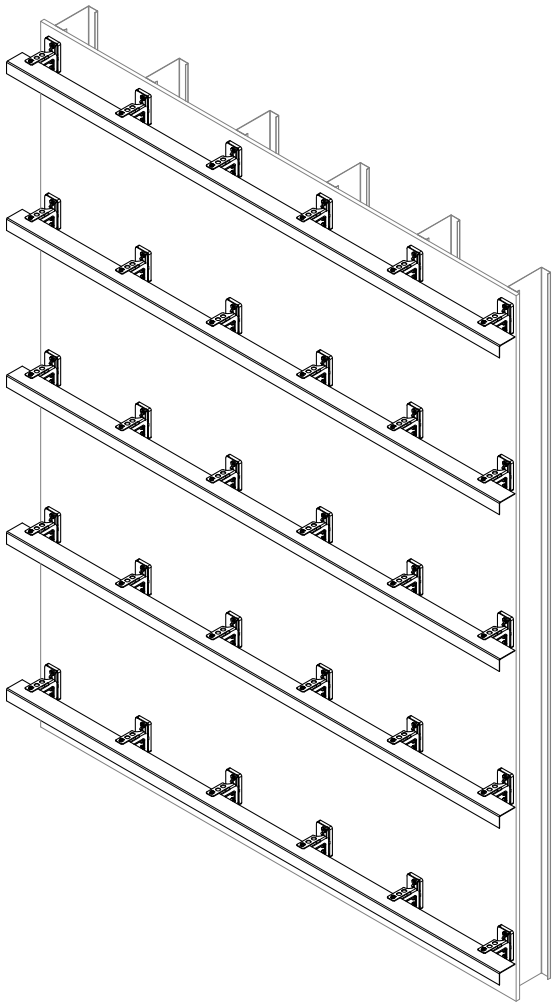


HORIZONTAL ORIENTED RAILS
WITH OPTIONAL
VERTICAL PANELRAIL®

(EXTERIOR INSULATION OMITTED FOR CLARITY)

MINIMUM DEPTH: 2.75 INCHES
MAXIMUM DEPTH: 10.25 INCHES

(FACE OF SHEATHING TO FACE OF PANELRAIL®)



HORIZONTAL ORIENTED RAILS

(EXTERIOR INSULATION OMITTED FOR CLARITY)

MINIMUM DEPTH: 2.0 INCHES
MAXIMUM DEPTH: 8.5 INCHES

(FACE OF SHEATHING TO FACE OF L-RAIL)

GENERAL NOTES:

- KNIGHT WALL SYSTEMS (KWS) IS NOT RESPONSIBLE FOR INFORMATION SHOWN ON ALL DETAILS BEYOND KWS SPECIFIC SCOPE OF WORK QUOTED.
- 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.
- 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.
- KWS PROJECT SPECIFIC ENGINEERING, WHEN SUPPLIED, INCLUDES ANALYSIS OF THE LOAD CARRYING COMPONENTS, PRODUCTS AND FASTENERS SUPPLIED BY KWS. THE CLADDING, RAILS/BRACKETS/FASTENERS SUPPLIED BY OTHERS, THE BACK-UP WALL AND SUPER STRUCTURE DESIGN ARE WITH OTHER PARTIES. THE RESPONSIBILITY FOR THESE OTHER ASSEMBLIES TO ACCOMMODATE ALL LOADS IMPOSED UPON THEM MUST BE CONSIDERED.
- SOFT JOINTS, SEALANT AND FLASHING SPECIFICATIONS, DESIGN AND INSTALLATION ARE WITH OTHER PARTIES.
- WATER RESISTANT/AIR BARRIER AND INSULATION SPECIFICATIONS, DETAILING AND INSTALLATION, INCLUDING PENETRATIONS, ARE WITH OTHER PARTIES.
- INTERACTION BETWEEN DISSIMILAR MATERIALS MUST 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 IS RECOMMENDED TO BE MINERAL FIBER INSULATION (MFI) FOR USE WITH THE ADJUSTAKLIP SYSTEM. RIGID FOAM INSULATION MAY BE USED, BUT IS NOT RECOMMENDED DUE TO BRACKET BASE DESIGN AND EXCESS LABOR FOR TRIMMING OR CUTTING OF RIGID FOAM. MINERAL FIBER INSULATION DOES NOT TYPICALLY REQUIRE ANY CUTTING AROUND THE BRACKET BASE FOR PROPER INSTALLATION.
- THE DETAILS WITHIN THIS DRAWING PACKAGE ARE NOT INTENDED TO REPLACE PROJECT SPECIFIC ENGINEERING CALCULATIONS OR THE DESIGN SERVICES OF A REGISTERED PROFESSIONAL DESIGNER.

*Maximum allowable spacing and dead load (weight of cladding) is based on the total load (dead+live) acting on the assembly, brackets & connections.

THESE GUIDE DETAILS ARE PROVIDED FOR INFORMATION ONLY AND OUTLINE GENERAL/TYPICAL REQUIREMENTS FOR THE SUPPORT SYSTEM. PROJECT SPECIFIC ENGINEERING WILL ADDRESS STRUCTURAL ATTACHMENT. NO EXPRESS WARRANTIES ARE GIVEN EXCEPT FOR ANY APPLICABLE WRITTEN WARRANTIES SPECIFICALLY PROVIDED BY KNIGHT WALL SYSTEMS®. ALL IMPLIED WARRANTIES INCLUDING THOSE OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE EXPRESSLY EXCLUDED. No freedom from any patent owned by KNIGHT WALL SYSTEMS® or others is to be inferred. Because use conditions and applicable laws may differ from one location to another and may change with time, Customer is responsible for determining whether products and the information in this document are appropriate for Customer's use. They are not guaranteed in any way by the Knight Wall Systems, Inc. since building design, engineering, and construction, including workmanship and materials are beyond the control of the manufacturer. The information provided here is subject to change without notice.

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PLEASE FEEL FREE TO CONTACT KWS OR A LOCAL KWS REPRESENTATIVE FOR PROJECT SPECIFIC ASSISTANCE WITH DETAILS AND SPECIFYING.

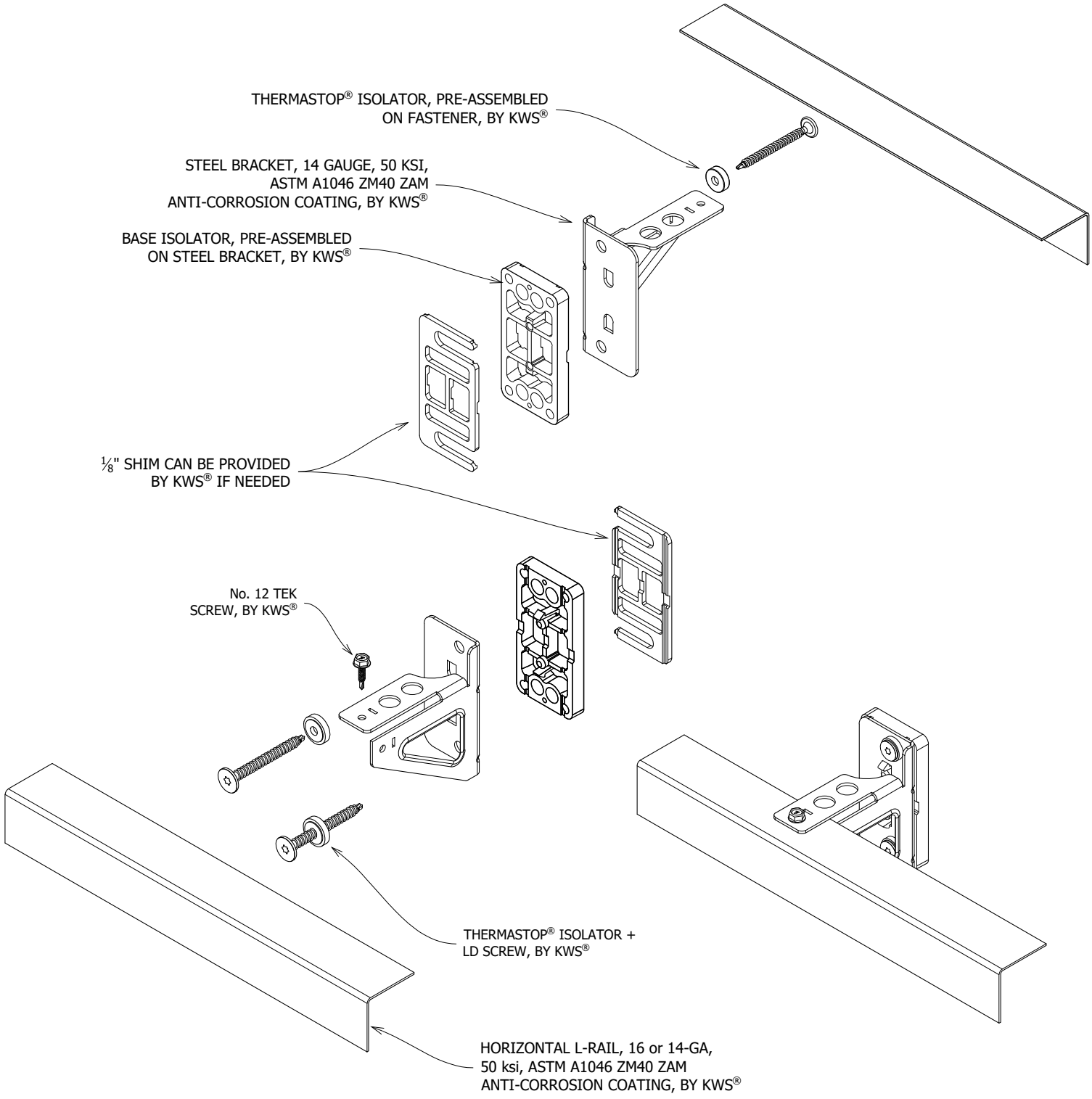
1.855.KWS.WALL

info@knightwallsystems.com

www.knightwallsystems.com

KNIGHT® WALL SYSTEMS

ADJUSTAKLIP™ GUIDE DETAILS
ADJUSTABLE CLADDING SUPPORT SYSTEM



ADJUSTAKLIP™ SYSTEM ASSEMBLY - ISO VIEW

SCALE: NTS

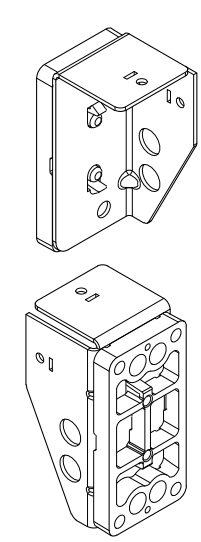
KNIGHT® WALL SYSTEMS

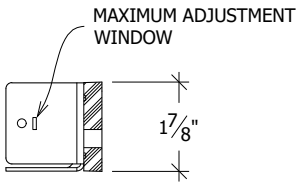
ADJUSTAKLIP™ GUIDE DETAILS

ADJUSTABLE CLADDING SUPPORT SYSTEM

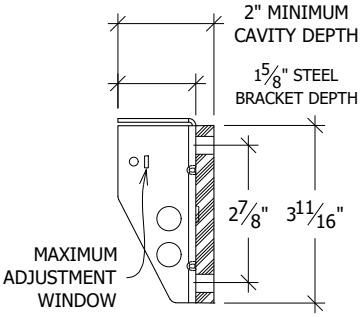
2" ADJUSTAKLIP™

OVERALL DEPTH
w/L-RAIL ONLY: 2"-4"
w/L-RAIL + PANELRAIL®: 2.75"-5.75"





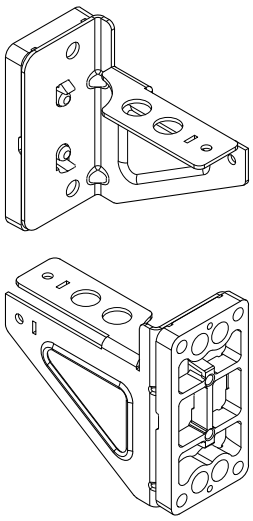
TOP/PLAN VIEW

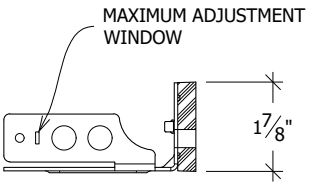


SIDE/SECTION VIEW

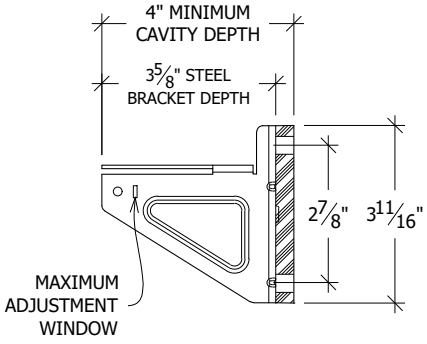
4" ADJUSTAKLIP™

OVERALL DEPTH
w/L-RAIL ONLY: 4"-6.5"
w/L-RAIL + PANELRAIL®: 4.75"-8.25"





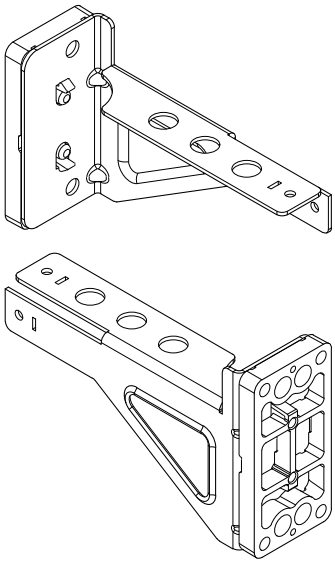
TOP/PLAN VIEW

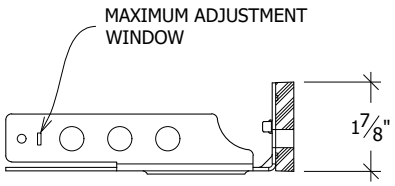


SIDE/SECTION VIEW

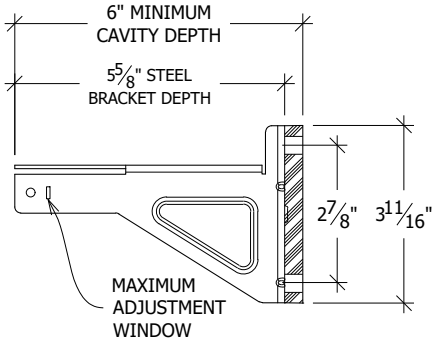
6" ADJUSTAKLIP™

OVERALL DEPTH
w/L-RAIL ONLY: 6"-8.5"
w/L-RAIL + PANELRAIL®: 6.75"-10.25"





TOP/PLAN VIEW



SIDE/SECTION VIEW

ADJUSTAKLIP™ BRACKET SIZES - 2"-6"

SCALE: NTS

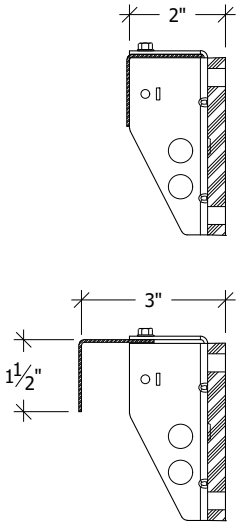
KNIGHT® WALL SYSTEMS

ADJUSTAKLIP™ GUIDE DETAILS

ADJUSTABLE CLADDING SUPPORT SYSTEM

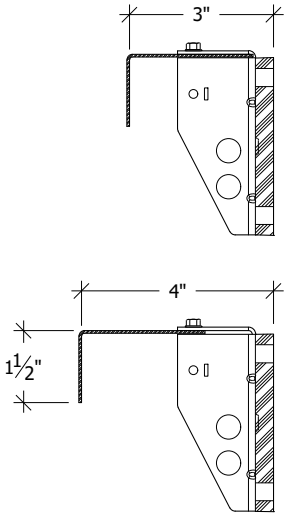
2" ADJUSTAKLIP™ + A1 L-RAIL

MINIMUM DEPTH: 2"
MAXIMUM DEPTH: 3"



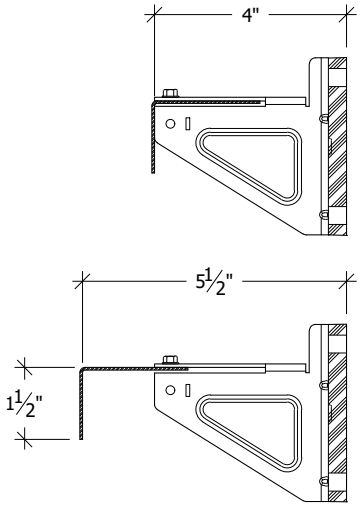
2" ADJUSTAKLIP™ + A2 L-RAIL

MINIMUM DEPTH: 3"
MAXIMUM DEPTH: 4"



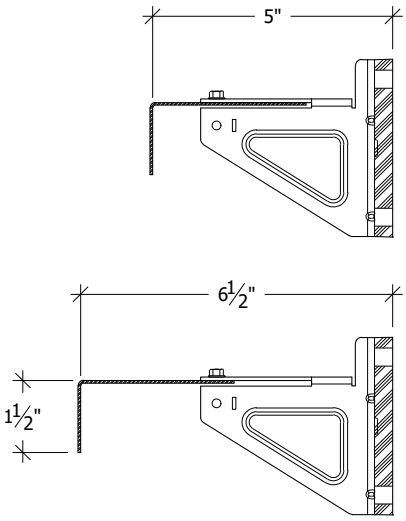
4" ADJUSTAKLIP™ + A3 L-RAIL

MINIMUM DEPTH: 4"
MAXIMUM DEPTH: 5.5"



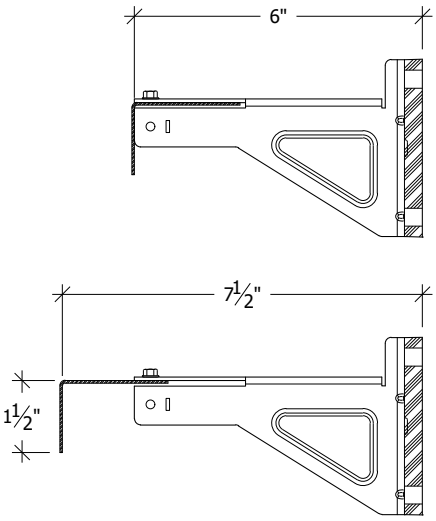
4" ADJUSTAKLIP™ + A4 L-RAIL

MINIMUM DEPTH: 5"
MAXIMUM DEPTH: 6.5"



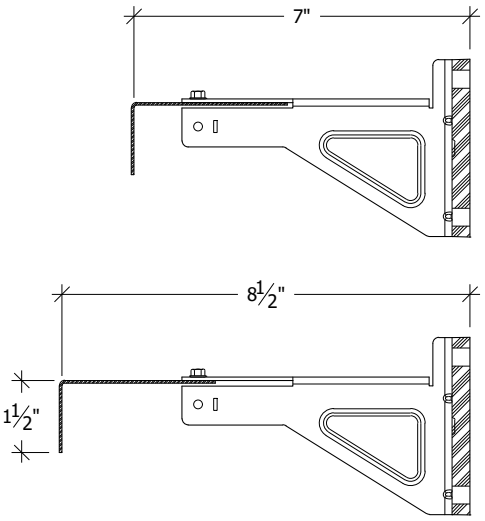
6" ADJUSTAKLIP™ + A3 L-RAIL

MINIMUM DEPTH: 6"
MAXIMUM DEPTH: 7.5"



6" ADJUSTAKLIP™ + A4 L-RAIL

MINIMUM DEPTH: 7"
MAXIMUM DEPTH: 8.5"



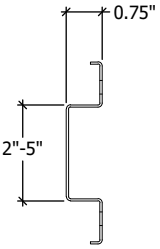
ASSEMBLY DEPTH RANGES

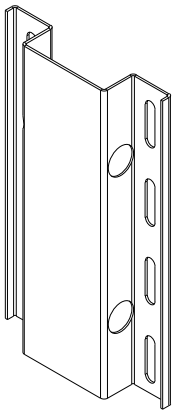
SCALE: NTS

ADJUSTAKLIP™ GUIDE DETAILS
ADJUSTABLE CLADDING SUPPORT SYSTEM

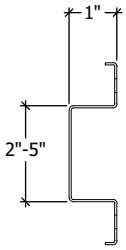
*ALL PANELRAIL® ARE AVAILABLE IN 18- OR 16-GA;
STANDARD SILVER MILL FINISH OR PAINTED BLACK

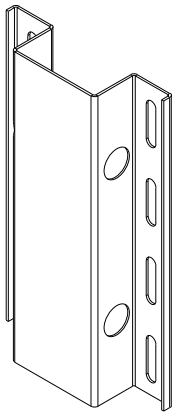
PANELRAIL® SERIES 075



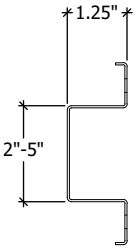


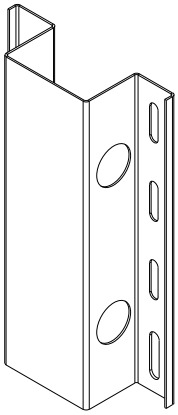
PANELRAIL® SERIES 100



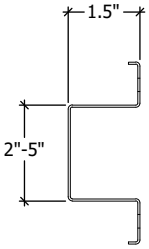


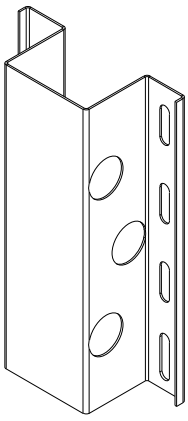
PANELRAIL® SERIES 125



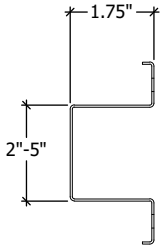


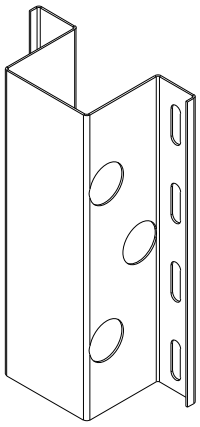
PANELRAIL® SERIES 150





PANELRAIL® SERIES 175

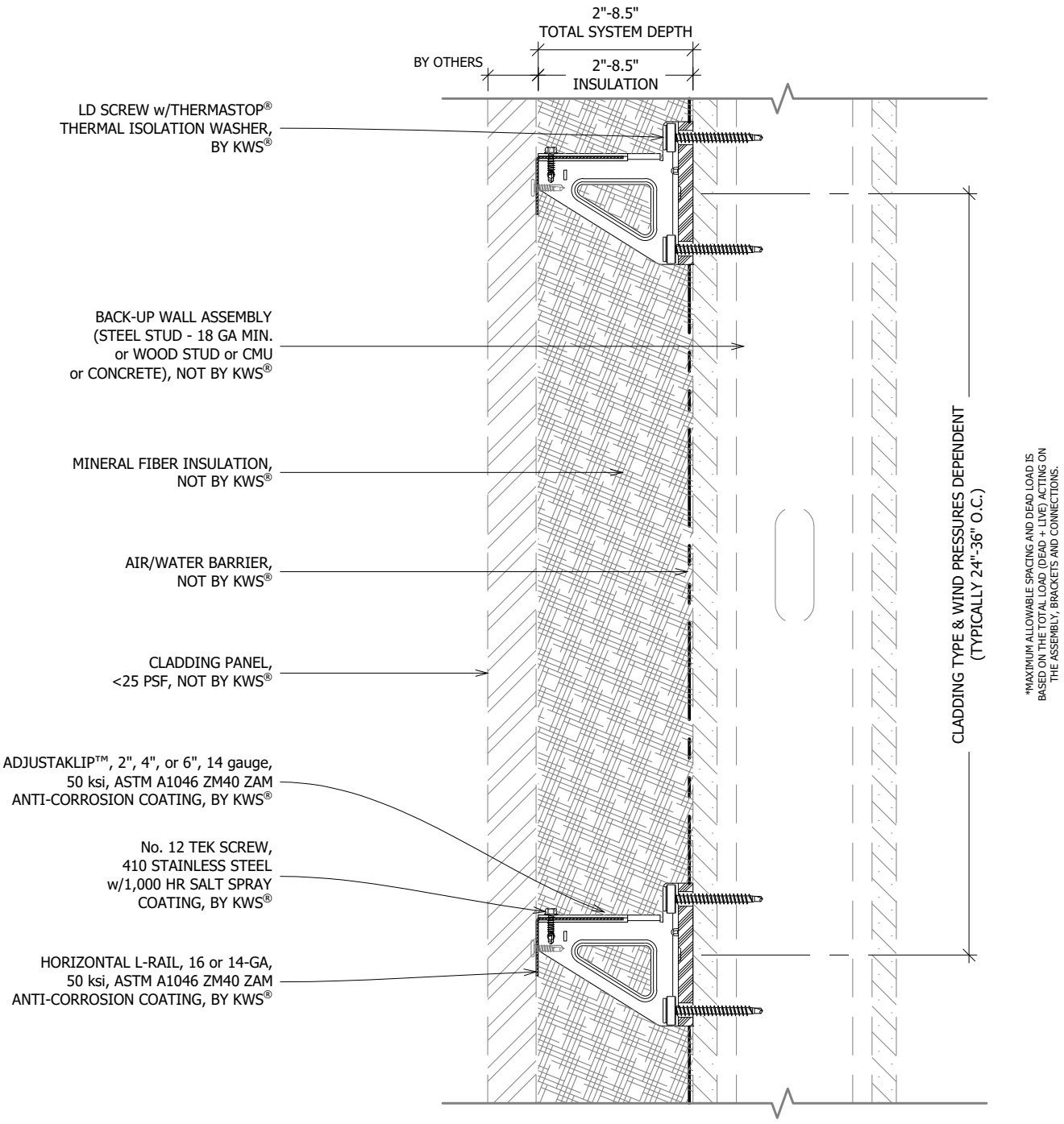




PANELRAIL® SERIES
SCALE: 3" = 1'-0"

KNIGHT® WALL SYSTEMS

ADJUSTAKLIP™ GUIDE DETAILS
ADJUSTABLE CLADDING SUPPORT SYSTEM



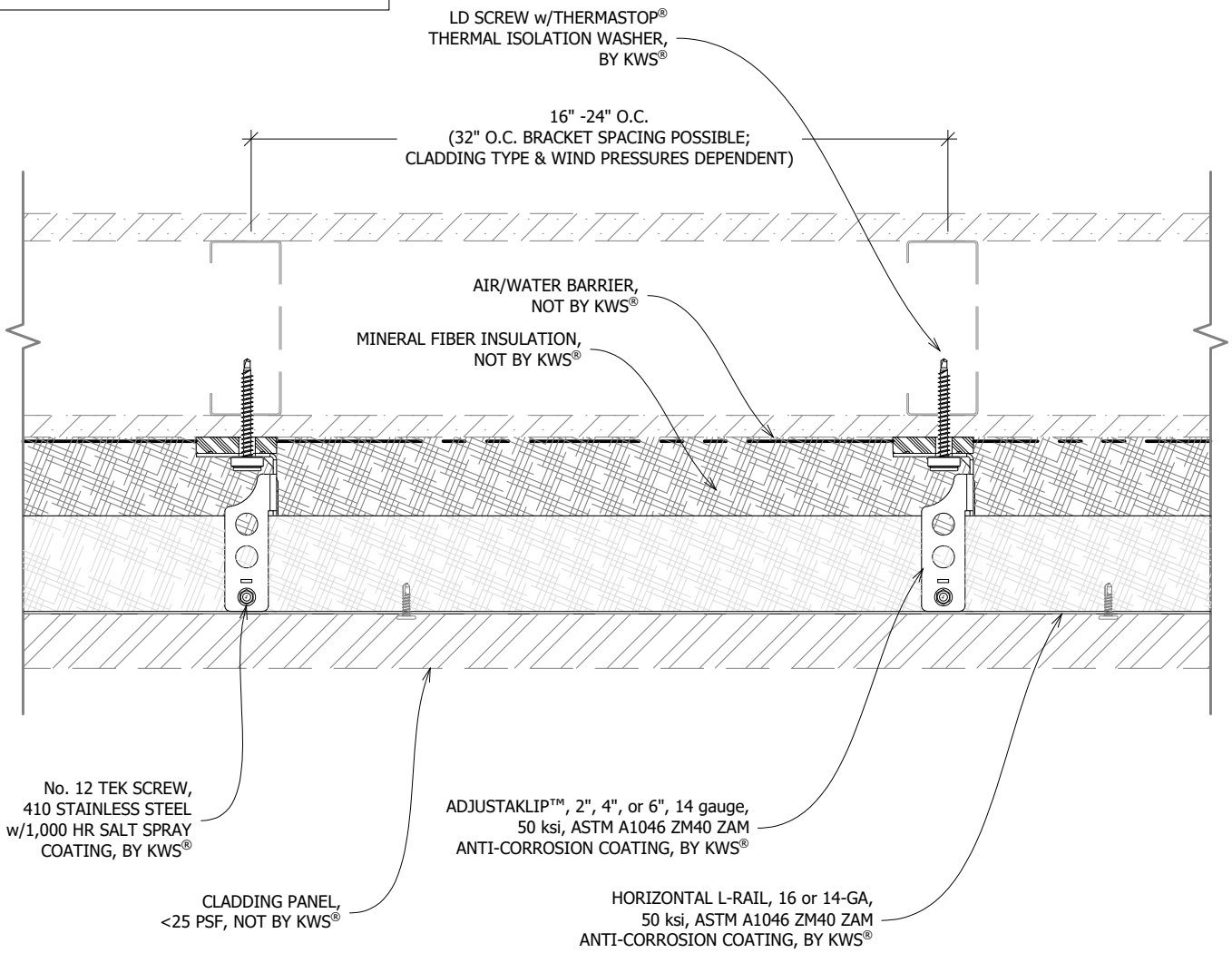
SYSTEM MAY BE INSTALLED OVER STEEL STUDS, WOOD STUDS, CMU OR CONCRETE SUBSTRATES (WITH USE OF APPROPRIATE WALL ANCHORS).

TYPICAL SECTION VIEW - L-RAIL ONLY

SCALE: 3" = 1'-0"

ADJUSTAKLIP™ GUIDE DETAILS
ADJUSTABLE CLADDING SUPPORT SYSTEM

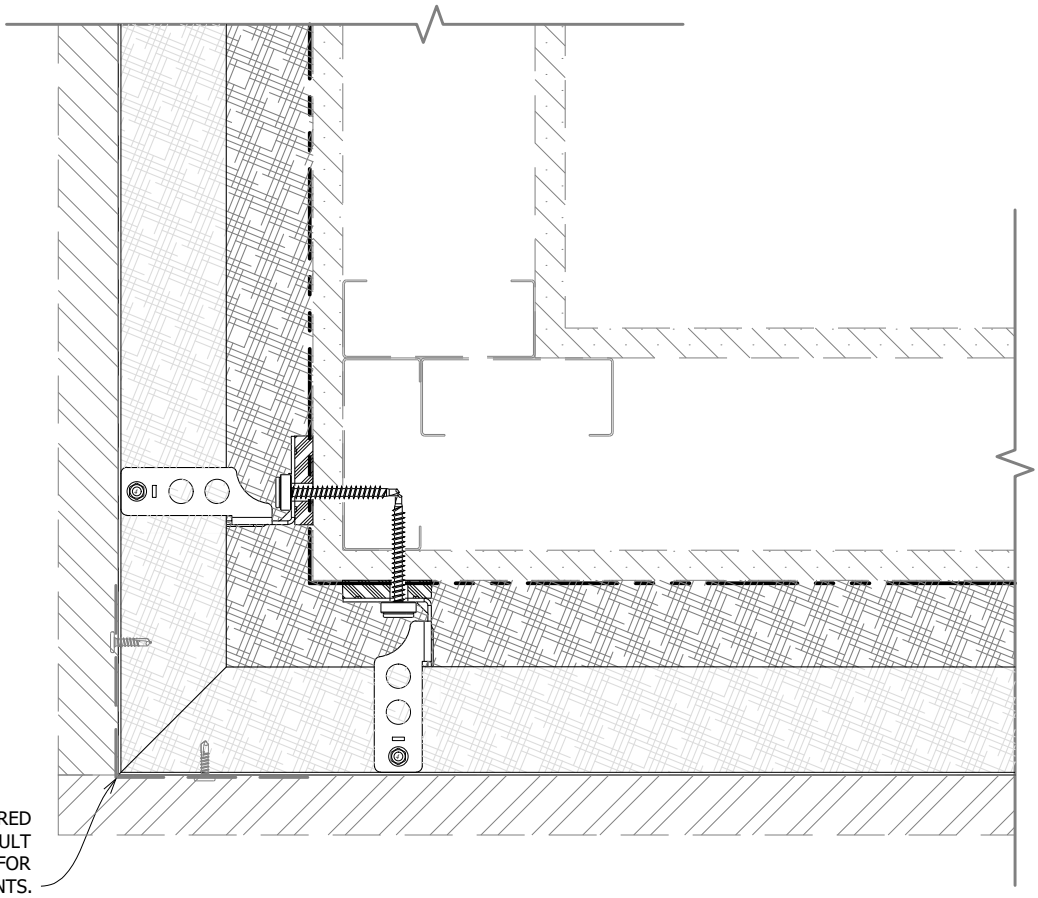
SYSTEM MAY BE INSTALLED OVER STEEL STUDS, WOOD STUDS, CMU OR CONCRETE SUBSTRATES (WITH USE OF APPROPRIATE WALL ANCHORS).



TYPICAL PLAN VIEW - L-RAIL ONLY

SCALE: 3" = 1'-0"

ADJUSTAKLIP™ GUIDE DETAILS
ADJUSTABLE CLADDING SUPPORT SYSTEM



BACKING ('L') MAY BE REQUIRED AT OUTSIDE CORNER. CONSULT CLADDING MANUFACTURER FOR DETAILS & REQUIREMENTS. NOT ALWAYS REQUIRED, CAN BE SUPPLIED BY KWS® OR OTHERS.

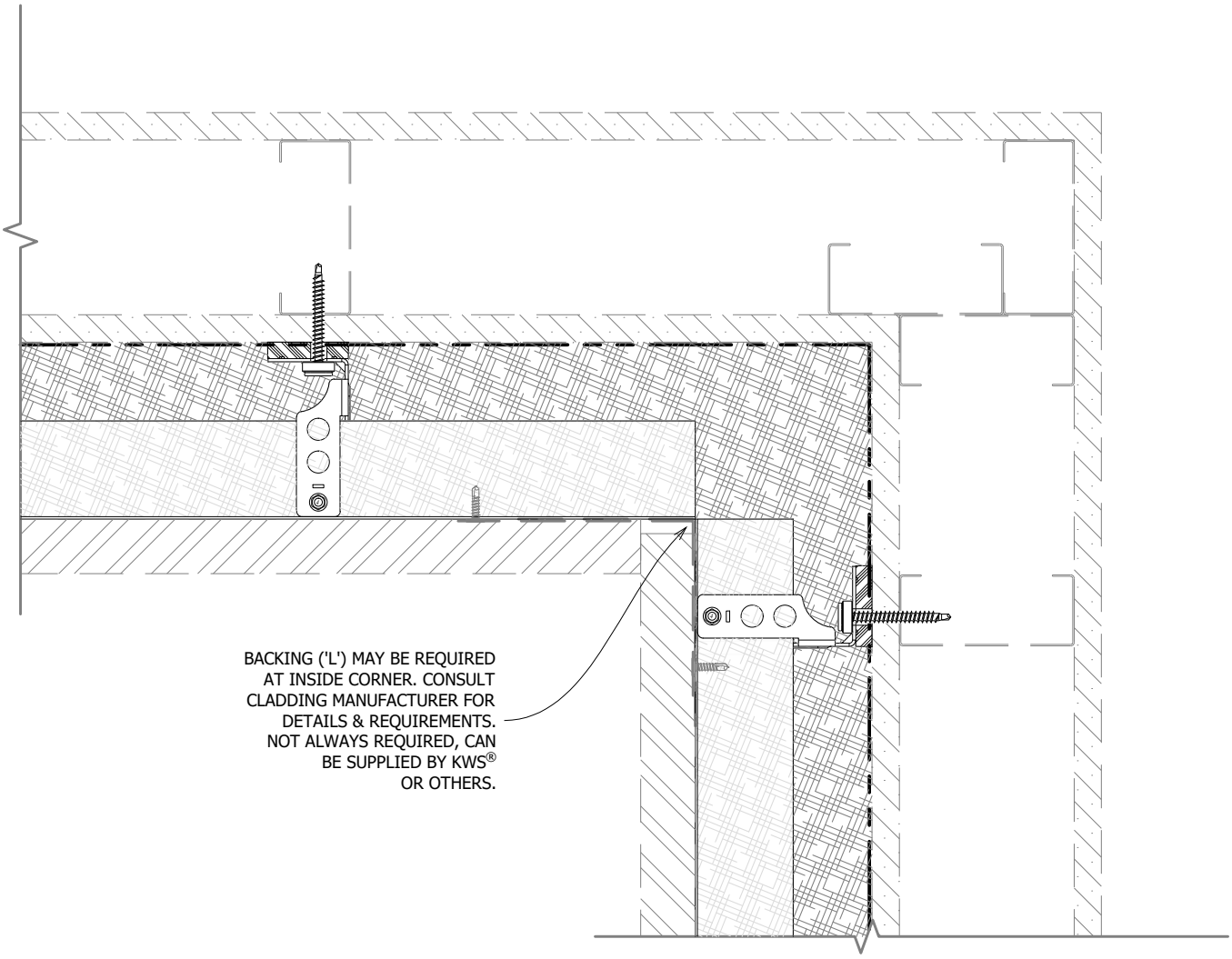
TYPICAL OUTSIDE CORNER CONDITION

SCALE: 3" = 1'-0"

KNIGHT® WALL SYSTEMS

ADJUSTAKLIP™ GUIDE DETAILS

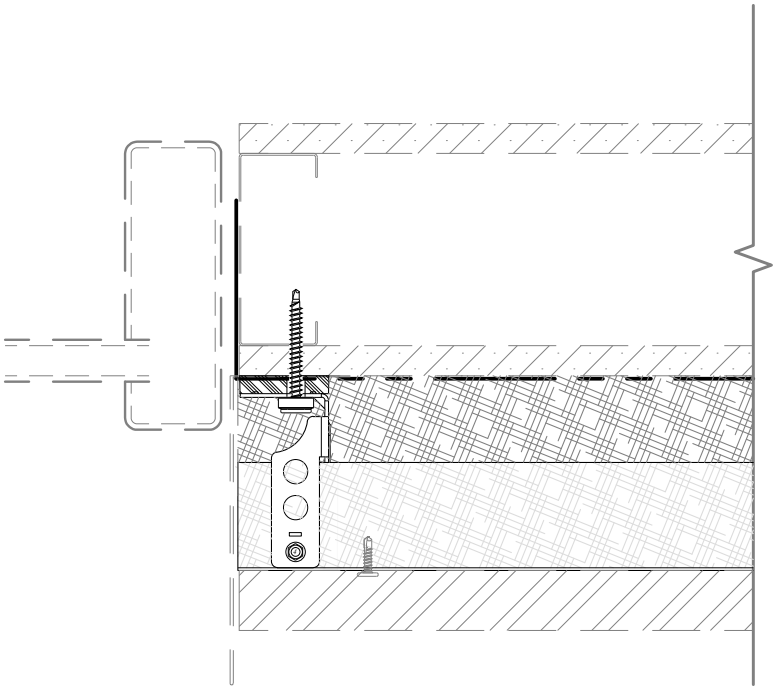
ADJUSTABLE CLADDING SUPPORT SYSTEM



TYPICAL INSIDE CORNER CONDITION

SCALE: 3" = 1'-0"

ADJUSTAKLIP™ GUIDE DETAILS
ADJUSTABLE CLADDING SUPPORT SYSTEM

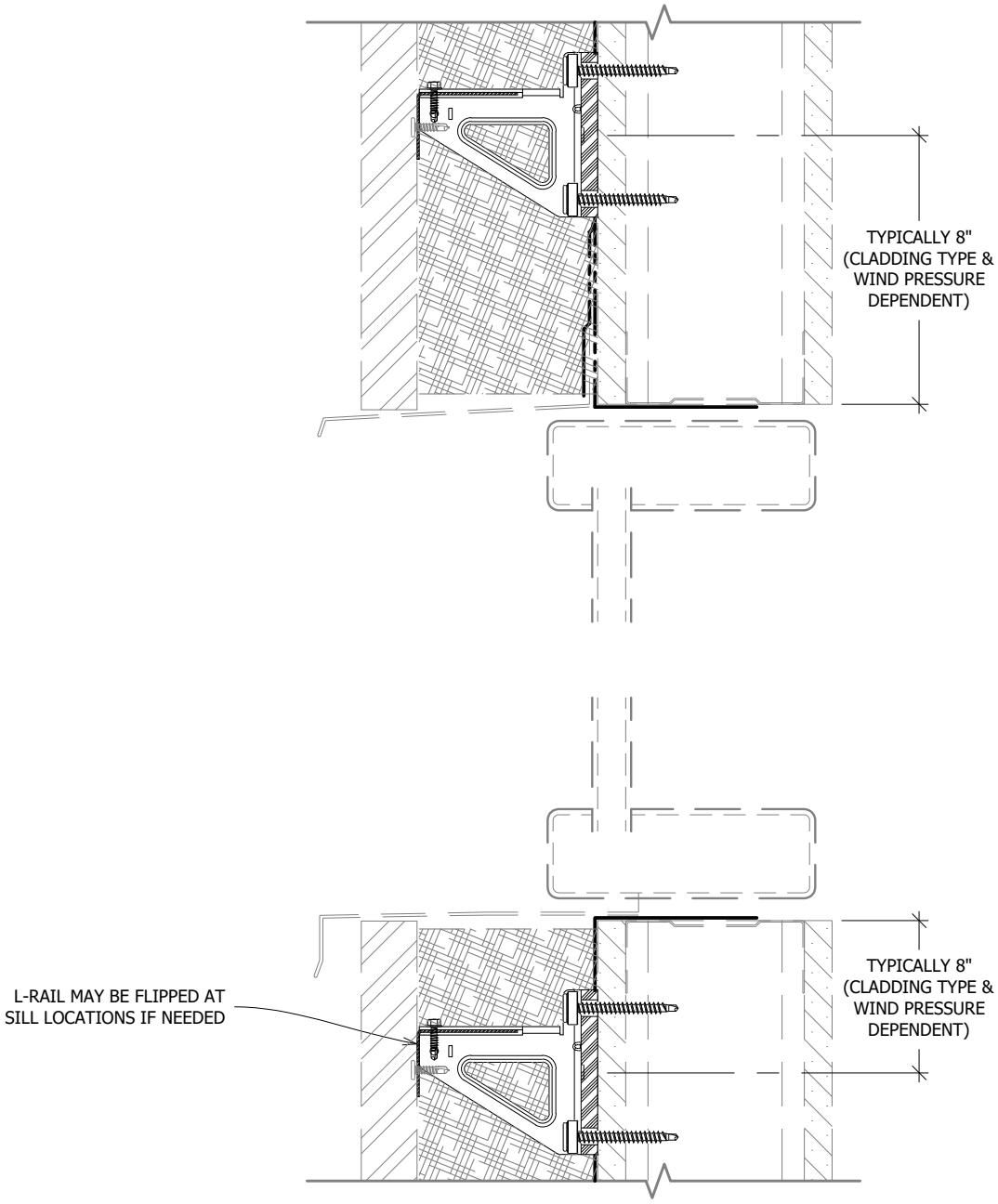


* FLASHING DETAILS VARY BASED ON WINDOW TYPE, POSITION (INSET VS FLUSH) AND CLADDING TYPE. FLASHING IS NOT BY KWS®.

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

KNIGHT® WALL SYSTEMS

ADJUSTAKLIP™ GUIDE DETAILS
ADJUSTABLE CLADDING SUPPORT SYSTEM



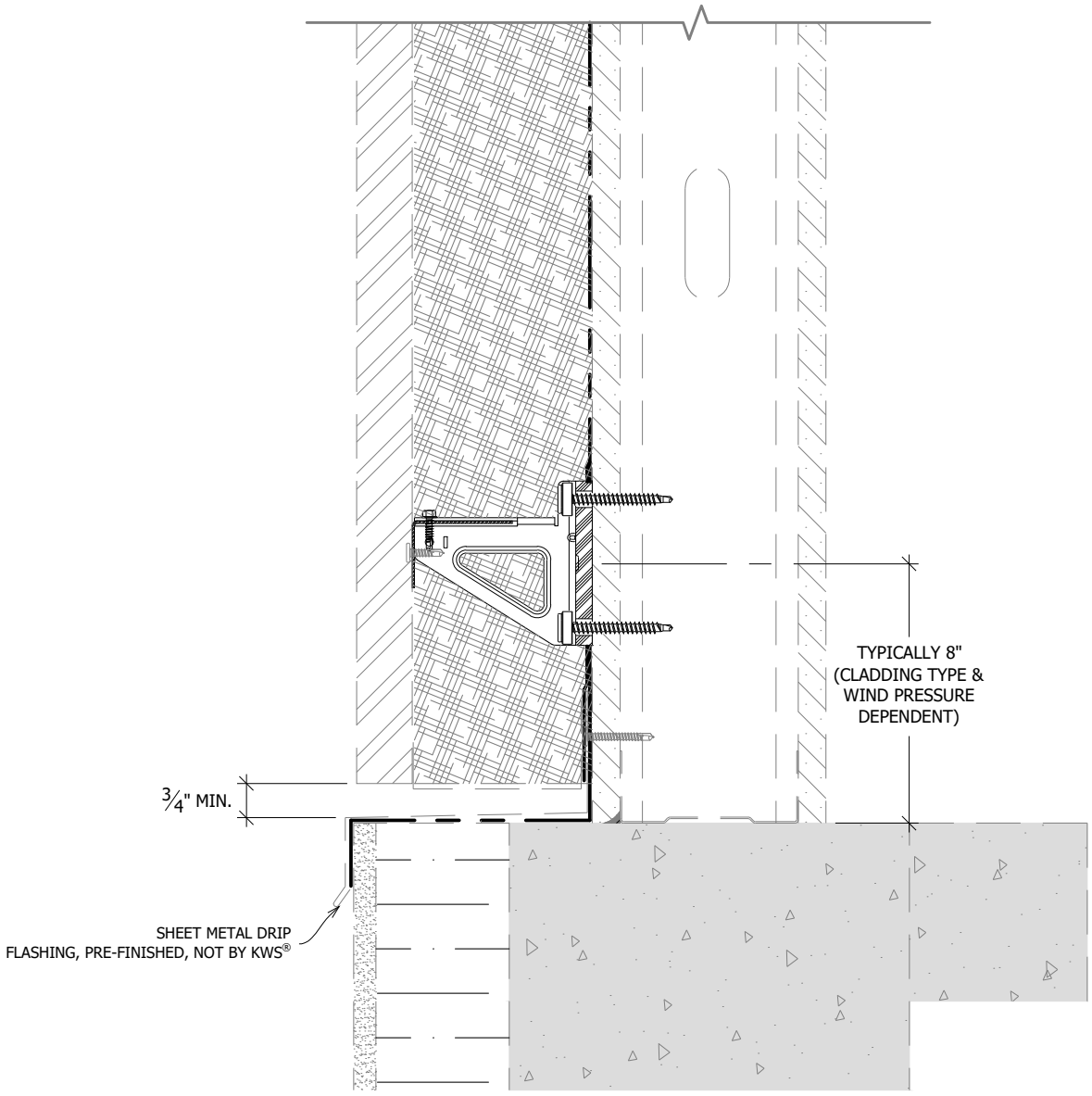
* FLASHING DETAILS VARY BASED ON WINDOW TYPE, POSITION (INSET VS FLUSH) AND CLADDING TYPE. FLASHING IS NOT BY KWS®.

TYPICAL HEAD & SILL CONDITION

SCALE: 3" = 1'-0"

KNIGHT® WALL SYSTEMS

ADJUSTAKLIP™ GUIDE DETAILS
ADJUSTABLE CLADDING SUPPORT SYSTEM



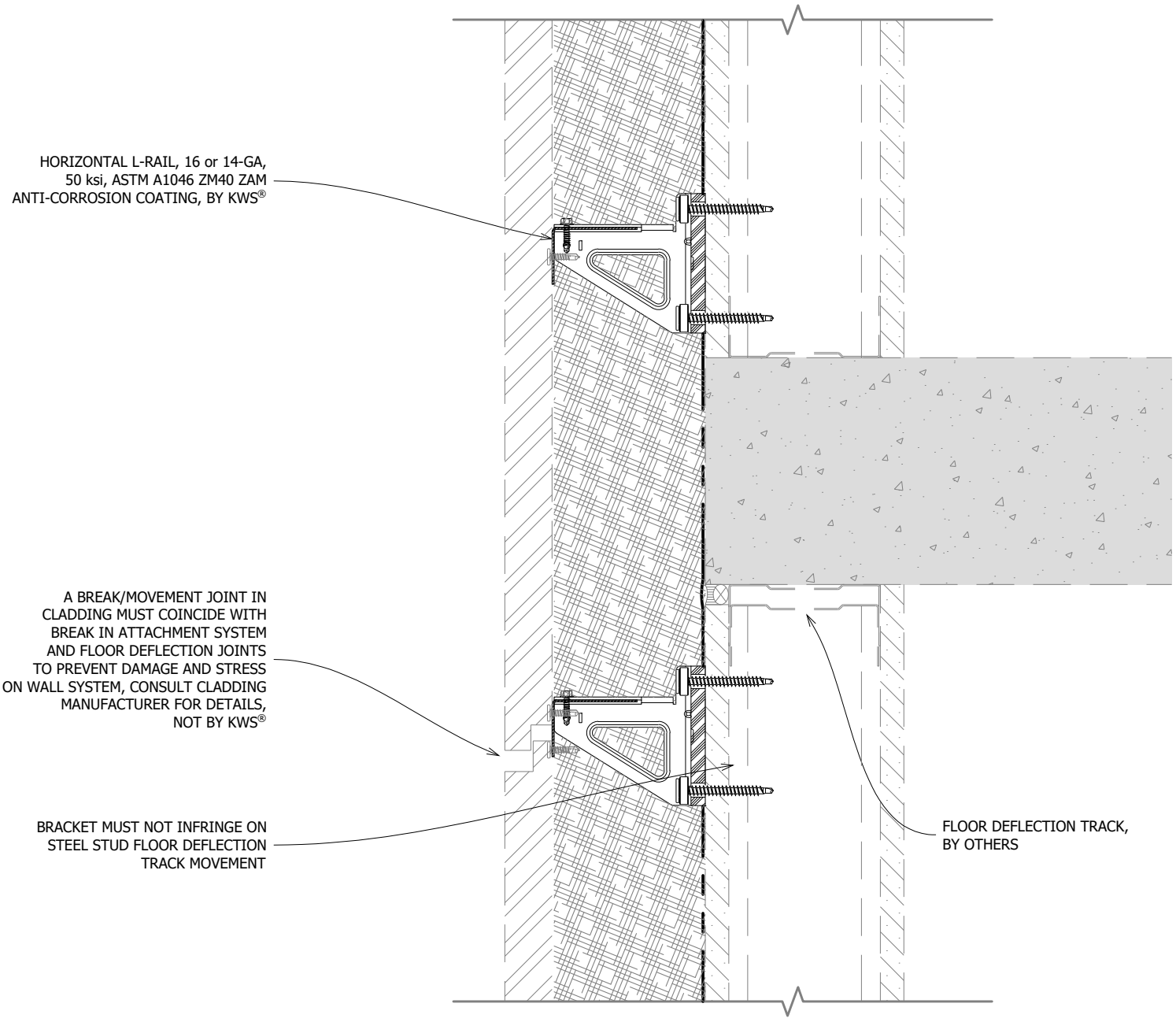
* CLEAR & UNRESTRICTED VENTILATION & DRAINAGE REQUIRED AT BASE OF WALL

TYPICAL BASE OF WALL CONDITION

SCALE: 3" = 1'-0"

KNIGHT® WALL SYSTEMS

ADJUSTAKLIP™ GUIDE DETAILS
ADJUSTABLE CLADDING SUPPORT SYSTEM

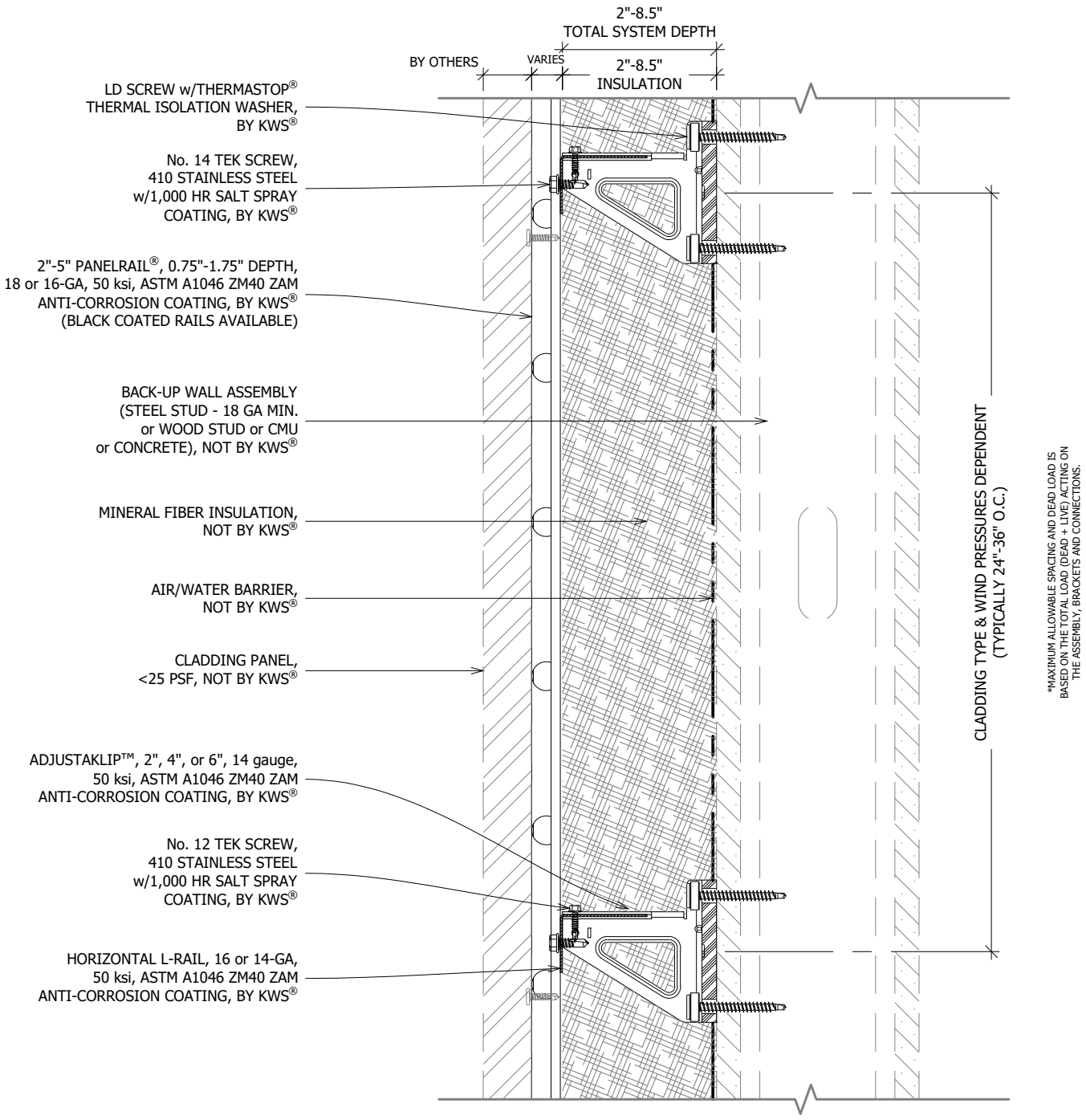


TYPICAL FLOOR DEFLECTION JOINT

SCALE: 3" = 1'-0"

KNIGHT® WALL SYSTEMS

ADJUSTAKLIP™ GUIDE DETAILS
ADJUSTABLE CLADDING SUPPORT SYSTEM



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

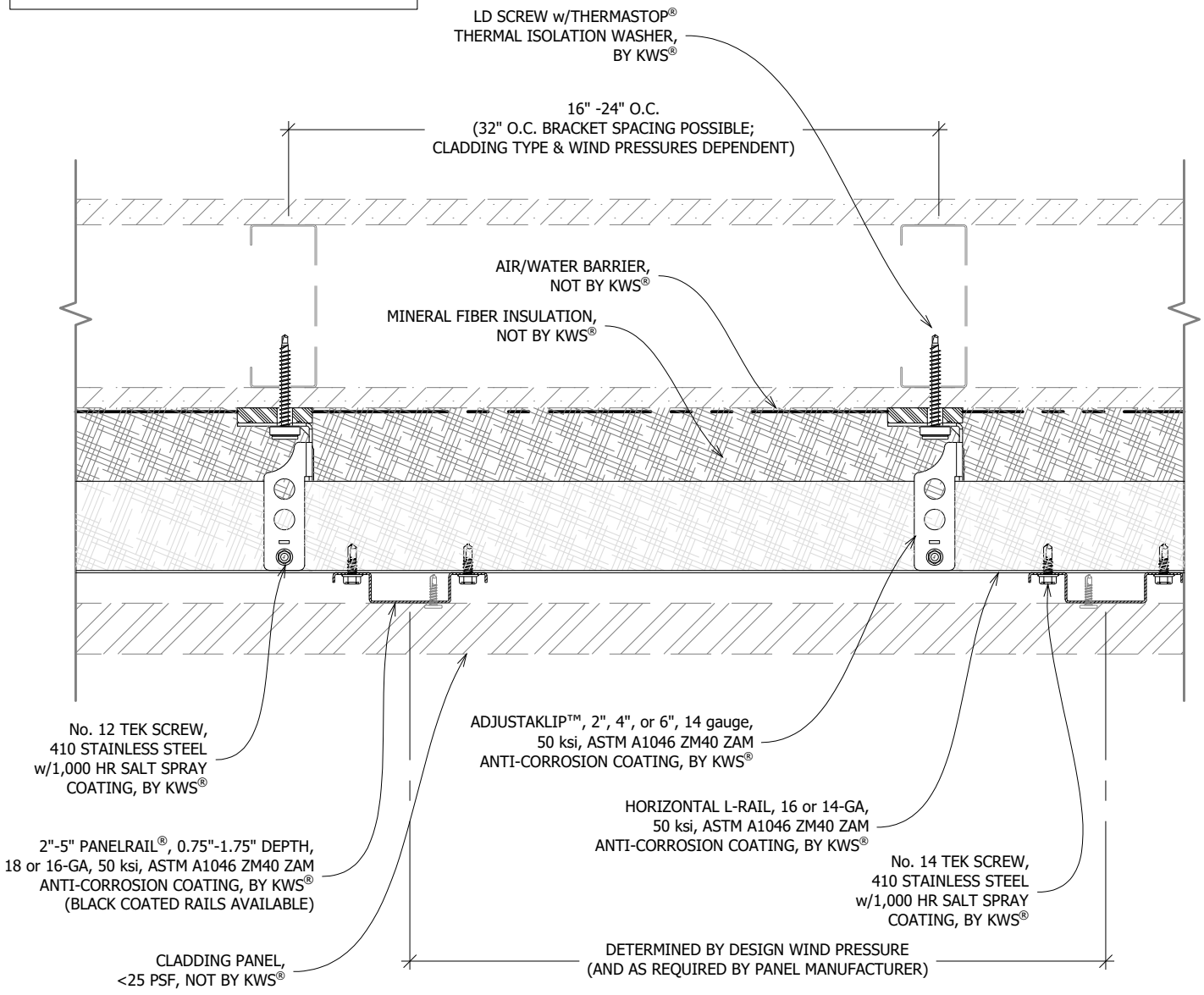
TYPICAL SECTION VIEW - L-RAIL + PANELRAIL®

SCALE: 3" = 1'-0"

KNIGHT® WALL SYSTEMS

ADJUSTAKLIP™ GUIDE DETAILS
ADJUSTABLE CLADDING SUPPORT SYSTEM

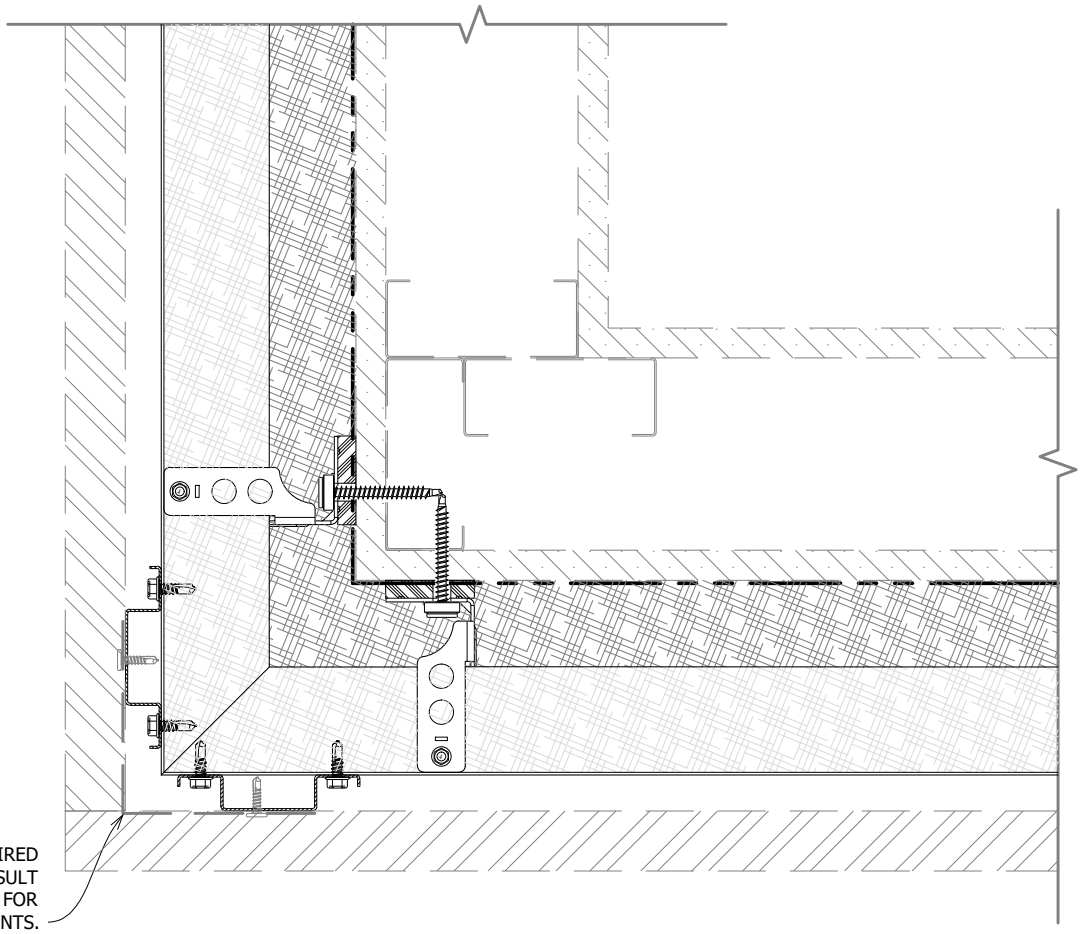
SYSTEM MAY BE INSTALLED OVER STEEL STUDS, WOOD STUDS, CMU OR CONCRETE SUBSTRATES (WITH USE OF APPROPRIATE WALL ANCHORS).



TYPICAL PLAN VIEW - L-RAIL + PANELRAIL®

SCALE: 3" = 1'-0"

ADJUSTAKLIP™ GUIDE DETAILS
ADJUSTABLE CLADDING SUPPORT SYSTEM



BACKING ('L') MAY BE REQUIRED AT OUTSIDE CORNER. CONSULT CLADDING MANUFACTURER FOR DETAILS & REQUIREMENTS. NOT ALWAYS REQUIRED, CAN BE SUPPLIED BY KWS® OR OTHERS.

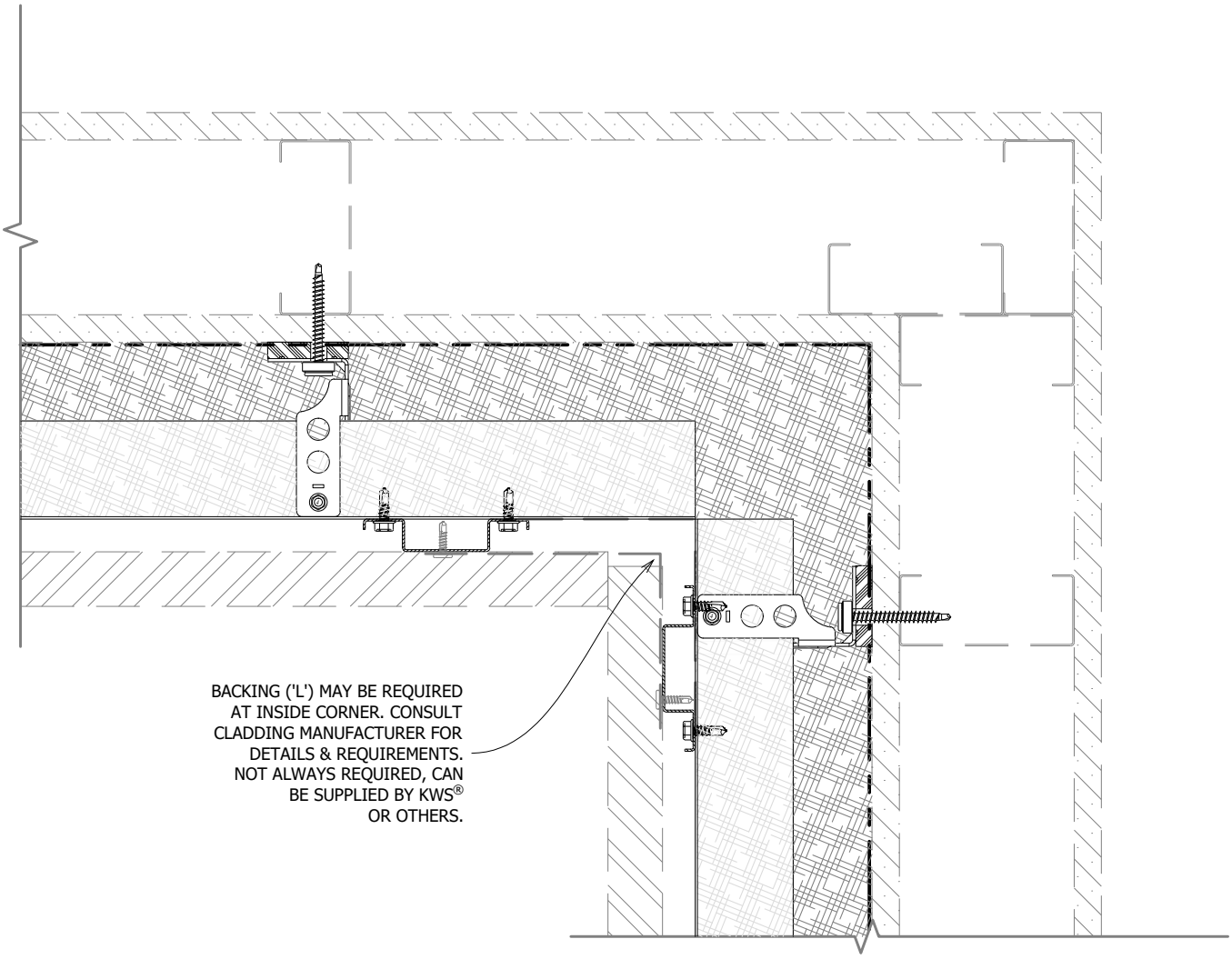
TYPICAL OUTSIDE CORNER CONDITION

SCALE: 3" = 1'-0"

KNIGHT® WALL SYSTEMS

ADJUSTAKLIP™ GUIDE DETAILS

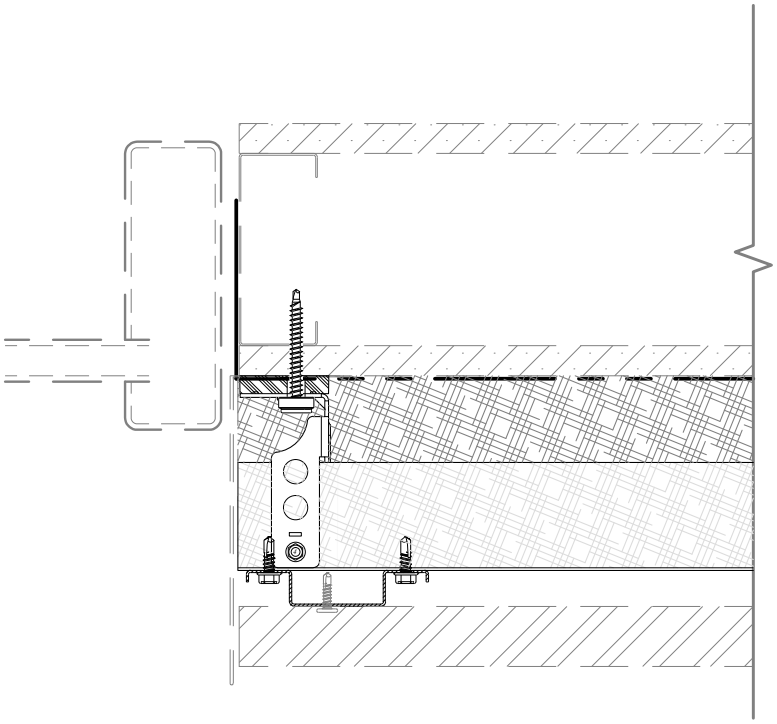
ADJUSTABLE CLADDING SUPPORT SYSTEM



TYPICAL INSIDE CORNER CONDITION

SCALE: 3" = 1'-0"

ADJUSTAKLIP™ GUIDE DETAILS
ADJUSTABLE CLADDING SUPPORT SYSTEM

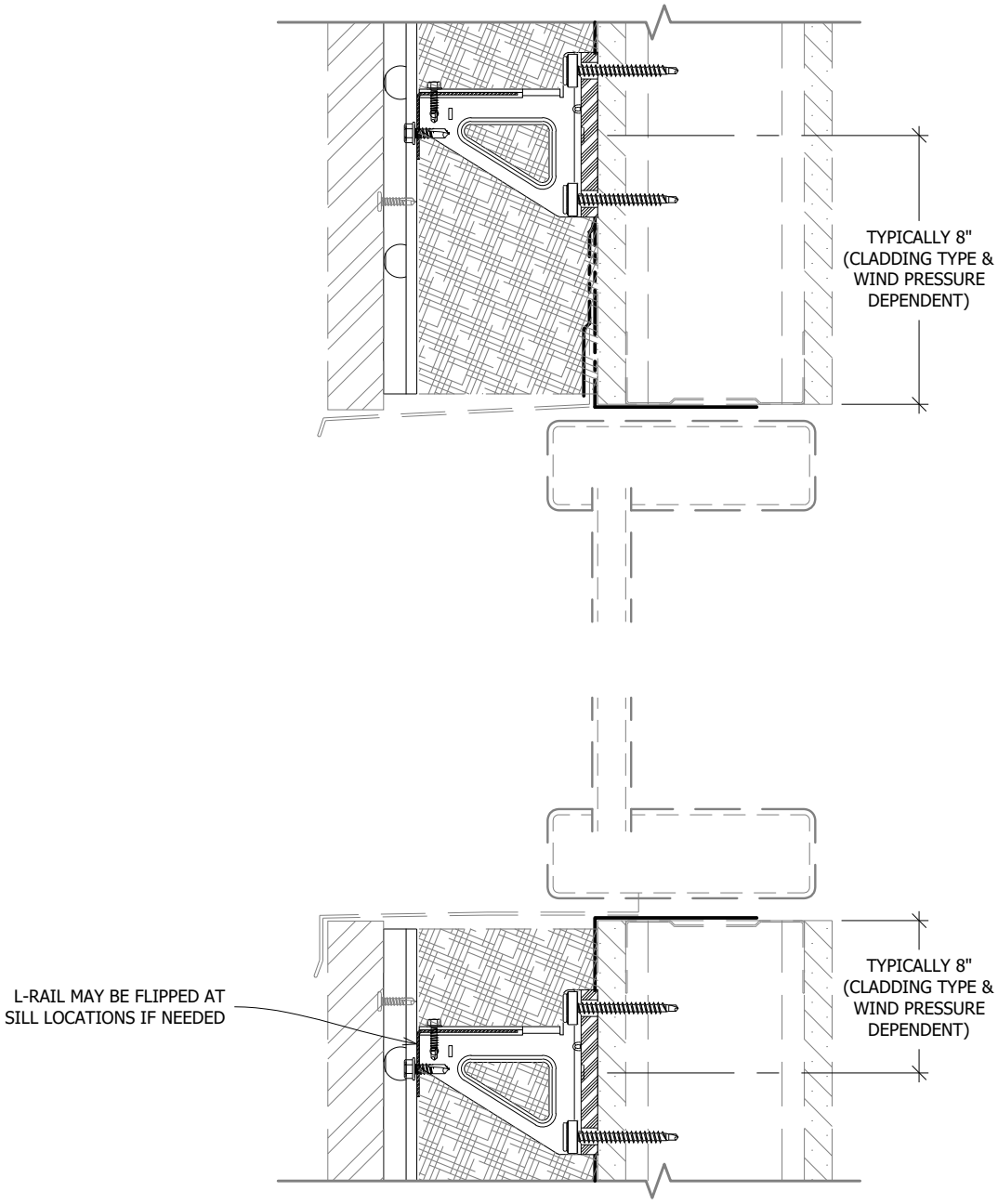


* FLASHING DETAILS VARY BASED ON WINDOW TYPE, POSITION (INSET VS FLUSH) AND CLADDING TYPE. FLASHING IS NOT BY KWS®.

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

KNIGHT® WALL SYSTEMS

ADJUSTAKLIP™ GUIDE DETAILS
ADJUSTABLE CLADDING SUPPORT SYSTEM

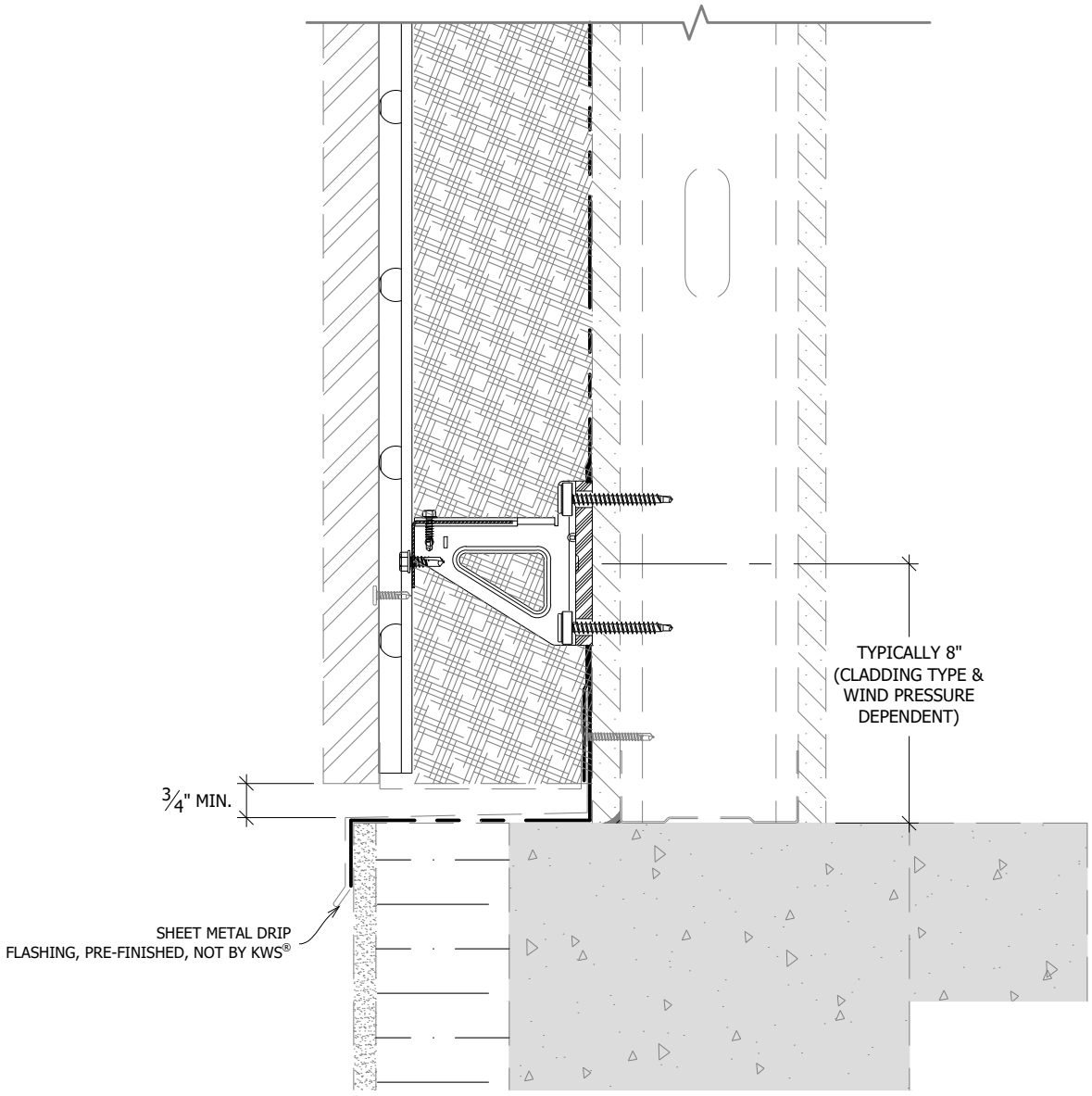


* FLASHING DETAILS VARY BASED ON WINDOW TYPE, POSITION (INSET VS FLUSH) AND CLADDING TYPE. FLASHING IS NOT BY KWS®.

TYPICAL HEAD & SILL CONDITION

SCALE: 3" = 1'-0"

ADJUSTAKLIP™ GUIDE DETAILS
ADJUSTABLE CLADDING SUPPORT SYSTEM



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

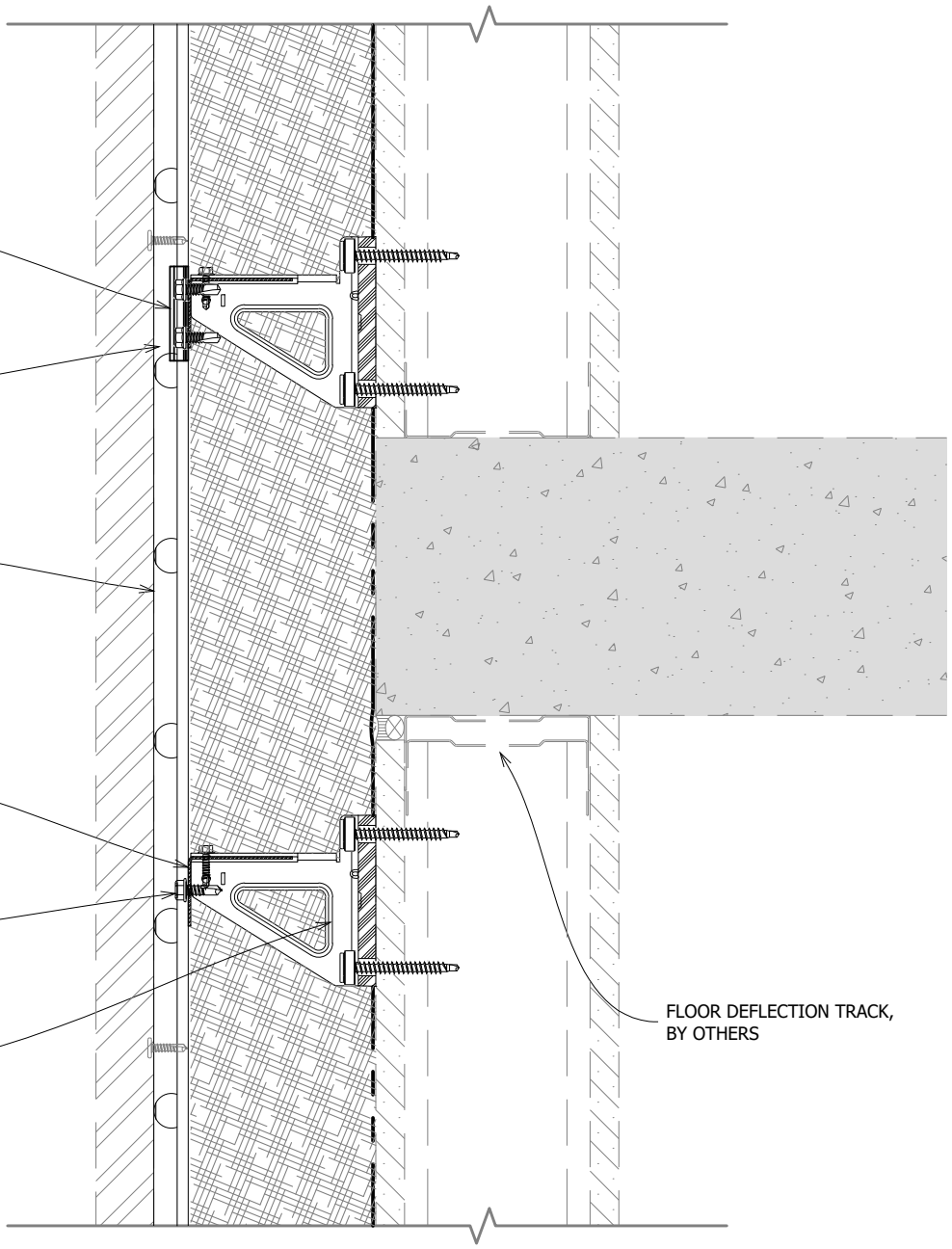
TYPICAL BASE OF WALL CONDITION

SCALE: 3" = 1'-0"

KNIGHT® WALL SYSTEMS

ADJUSTAKLIP™ GUIDE DETAILS
ADJUSTABLE CLADDING SUPPORT SYSTEM

NOTE:
MAXIMUM PANELRAIL® CANTILEVER BEYOND AN ADJUSTAKLIP™ VARIES PER PROJECT. TYPICALLY IT WILL RANGE FROM 6"-14".



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