

K-ROC CEILING DETAILS

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2	5/12/25
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K-ROC CEILING DETAILS

DISCLAIMERS:

THESE DETAILS ARE PROVIDED AS A GUIDELINE FOR PROPER PANEL AND ASSOCIATED COMPONENT INSTALLATION, AND ARE BASED ON INDUSTRY ACCEPTED PRACTICES.

LOCATION OF VAPOR BARRIERS AND ASSOCIATED SEALANTS IN THESE DETAILS ARE BASED ON TYPICAL DESIGN PRACTICES FOR MOST U.S. CLIMACTIC ZONES. (THE PRIMARY VAPOR BARRIER IS PLACED ON THE "WARM" SIDE IN WINTER).

CONTACT KINGSPAN TECHNICAL SERVICES FOR SPECIFIC PROJECT FASTENING REQUIREMENTS

EXTRUSION SHAPES / ENGAGEMENT MAY VARY FROM THOSE SHOWN.

PROJECTS LOCATED IN AREAS SUBJECT TO EXTREME COLD AND/OR HIGH SNOW LOADS MAY REQUIRE MODIFICATIONS TO THESE DETAILS - CONTACT KINGSPAN TECHNICAL SERVICES FOR SPECIFIC PROJECT RECOMMENDATIONS.

ALL STRUCTURAL SUPPORTS ARE NOT BY KINGSPAN AND ARE SHOWN FOR CLARIFICATION PURPOSES ONLY.

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CARE HAS BEEN TAKEN TO ENSURE THAT THE CONTENTS OF THIS PUBLICATION ARE ACCURATE, BUT KINGSPAN AND ITS SUBSIDIARY COMPANIES DO NOT ACCEPT RESPONSIBILITY FOR ERRORS OR FOR INFORMATION THAT IS FOUND TO BE MISLEADING. SUGGESTIONS FOR, OR DESCRIPTION OF, THE END USE OR APPLICATION OF PRODUCTS OR METHODS OF WORKING ARE FOR INFORMATION ONLY AND KINGSPAN LIMITED AND ITS SUBSIDIARIES ACCEPT NO LIABILITY IN RESPECT THEREOF.

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DISCLAIMER

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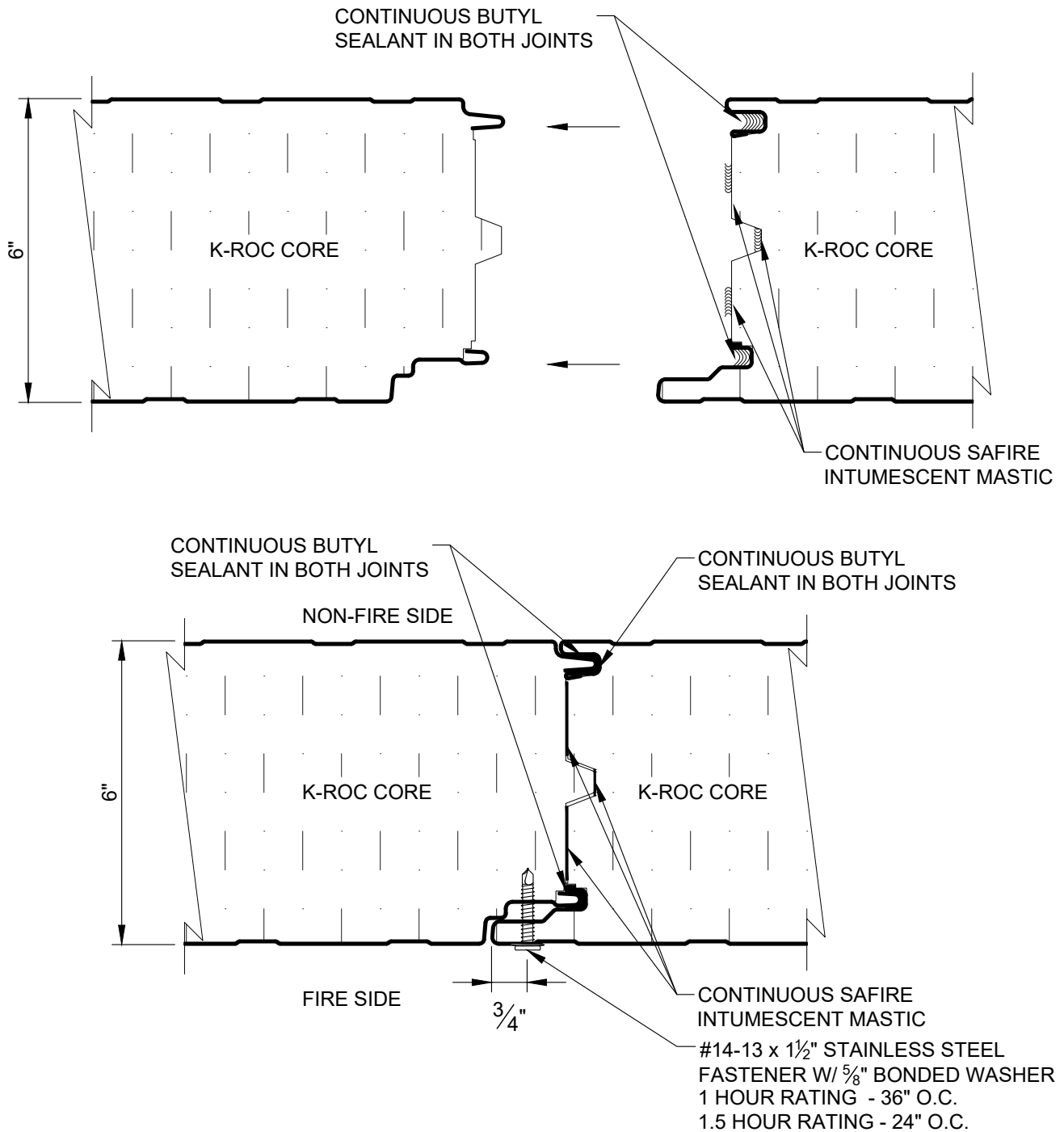
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K-ROC CEILING DETAILS



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6" PANEL JOINT
EXPANDED/ENGAGED

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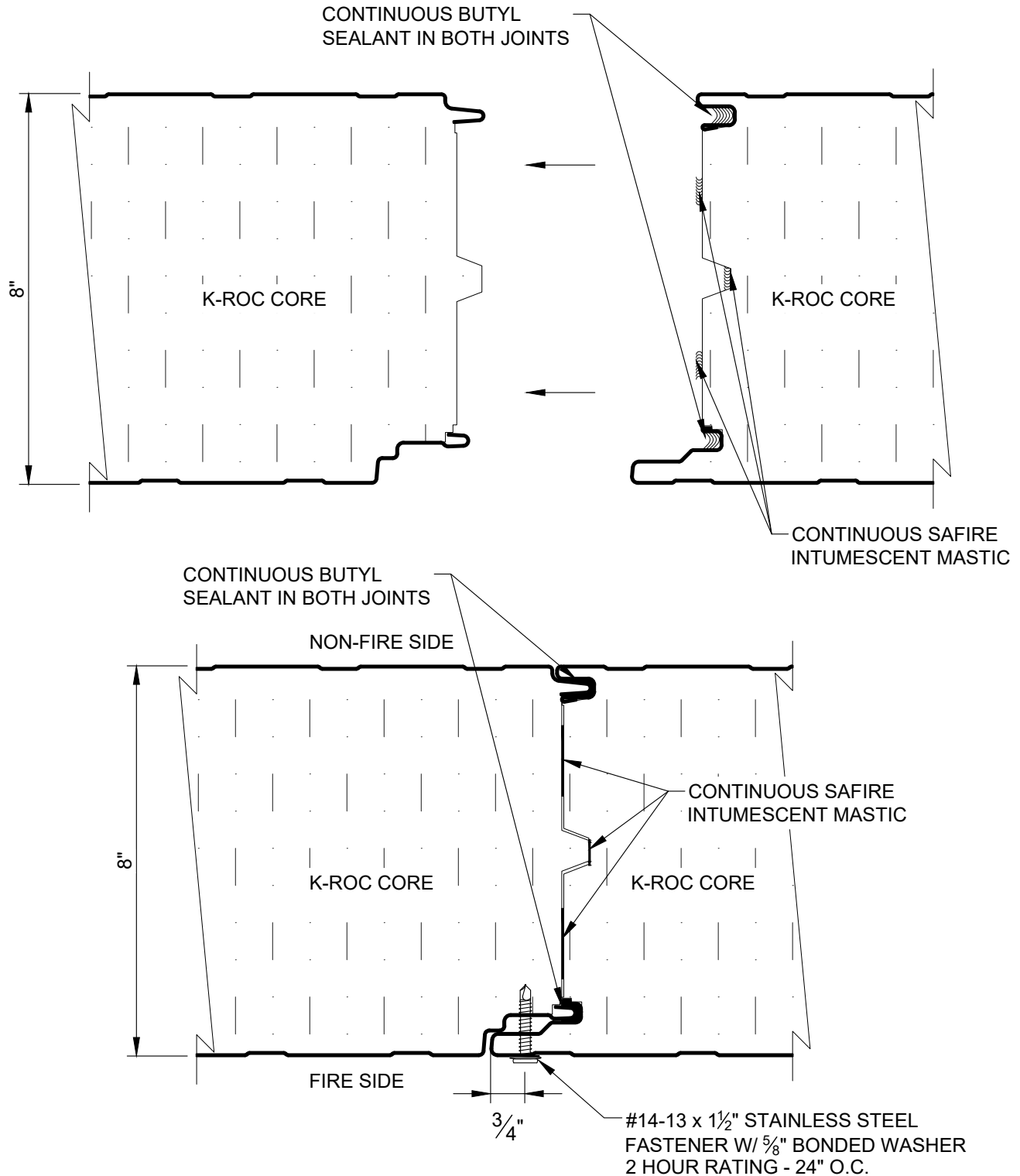
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K-ROC CEILING DETAILS



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8" PANEL JOINT
EXPANDED/ENGAGED

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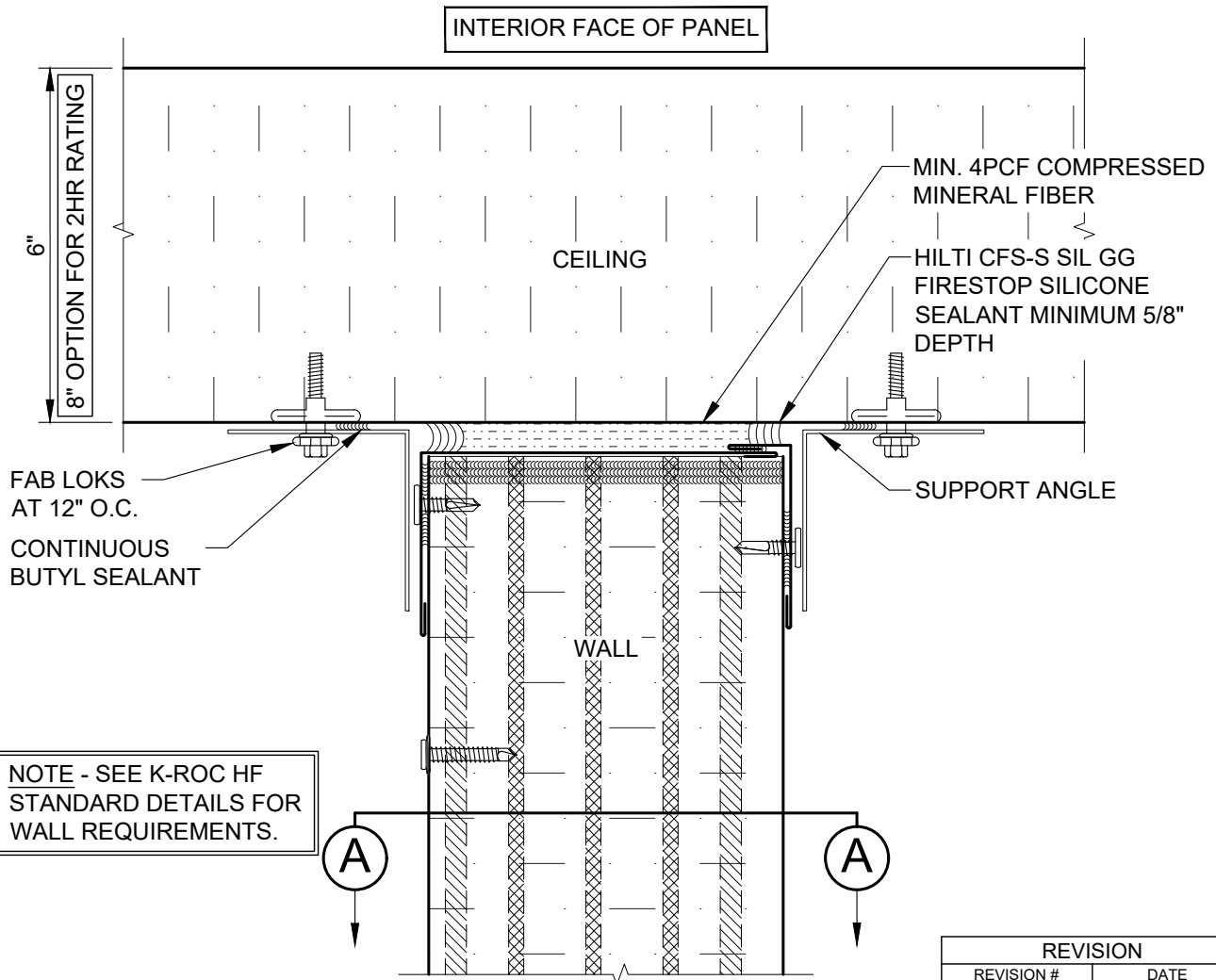
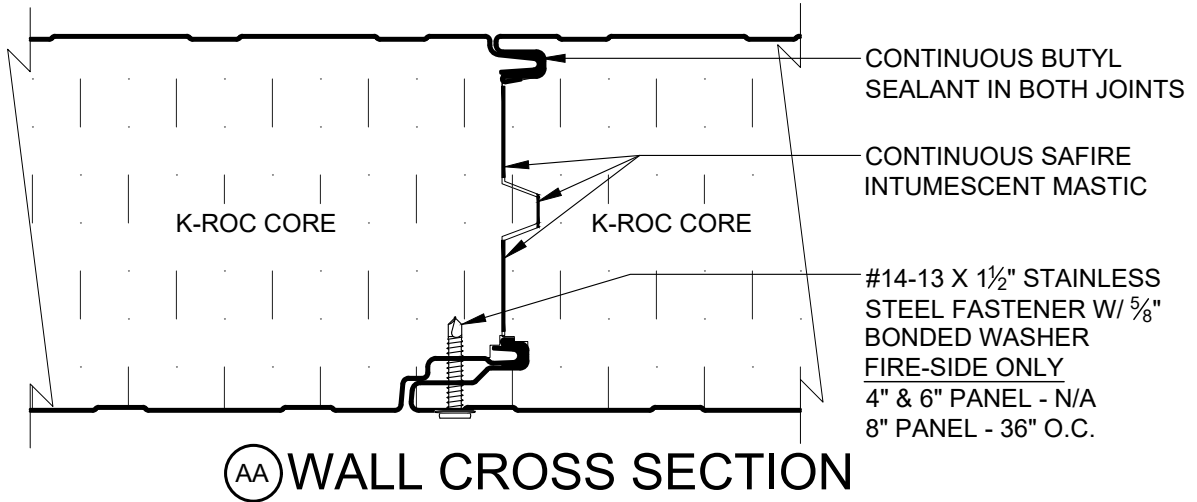
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K-ROC CEILING DETAILS



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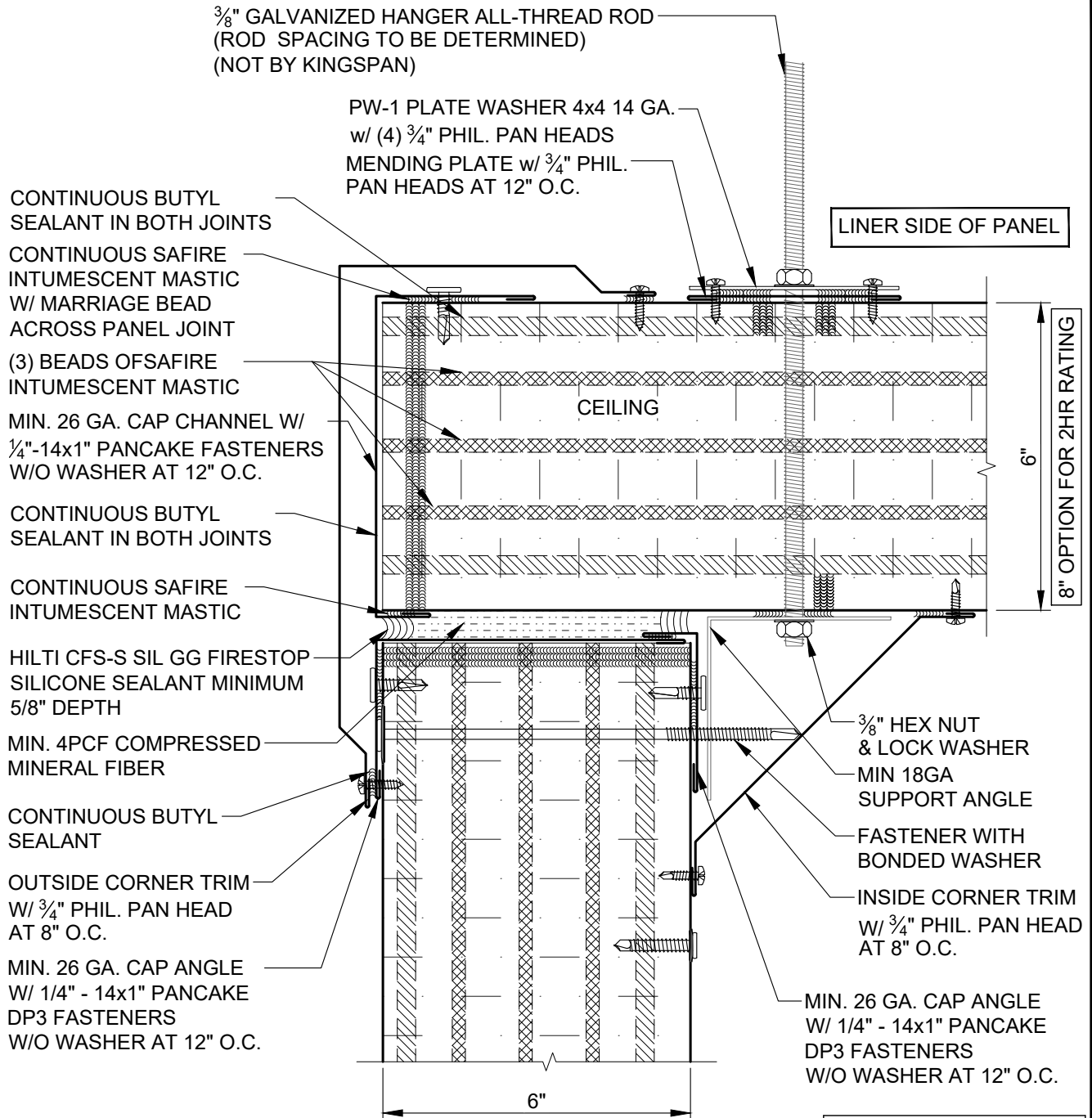
WALL TO CEILING
TRANSITION

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K-ROC CEILING DETAILS

NOTE: #14 - 13 x 1 1/2" STAINLESS STEEL FASTENER W/ 5/8" BONDED WASHER SHALL BE INSTALLED AT PANEL JOINT (FIRE-SIDE ONLY).
 1 HOUR RATING - 6" PANEL, 36" O.C.
 1.5 HOUR RATING - 6" PANEL, 24" O.C.
 2 HOUR RATING - 8" PANEL, 24" O.C.



NOTE - SEE K-ROC HF STANDARD DETAILS FOR WALL REQUIREMENTS.

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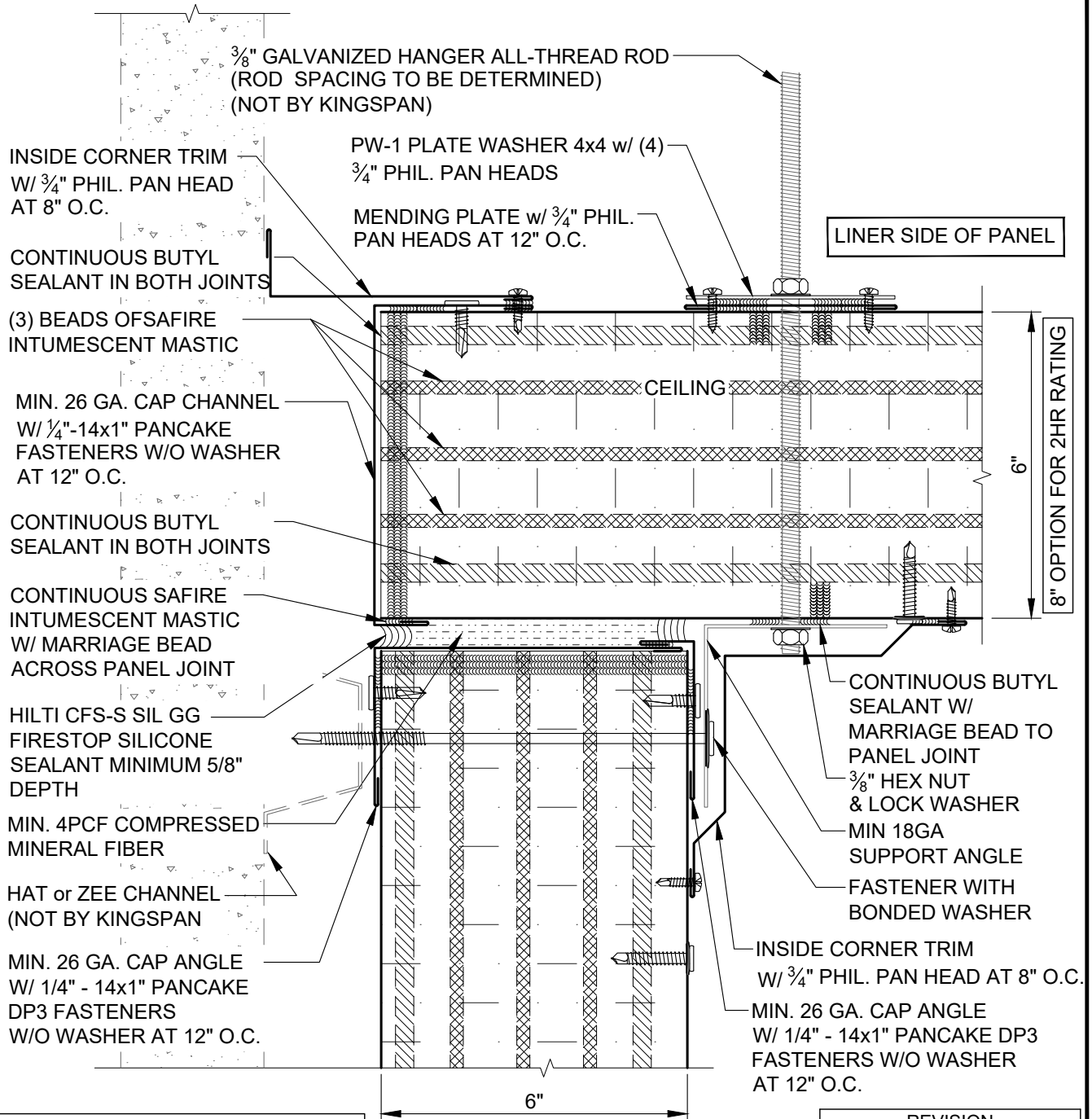
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WALL TO CEILING
TRANSITION

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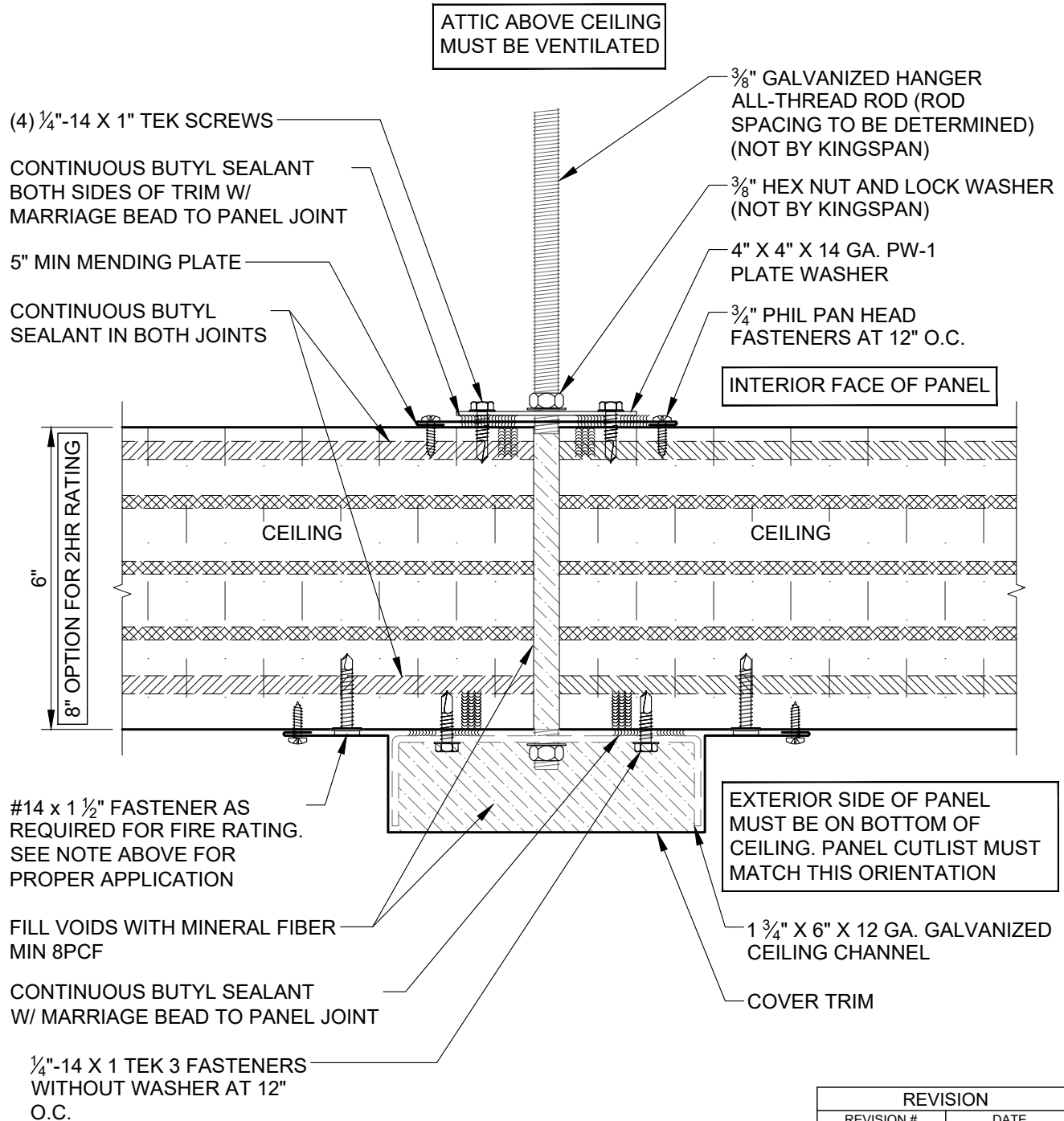
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CEILING TRANSITION
SUPPORT

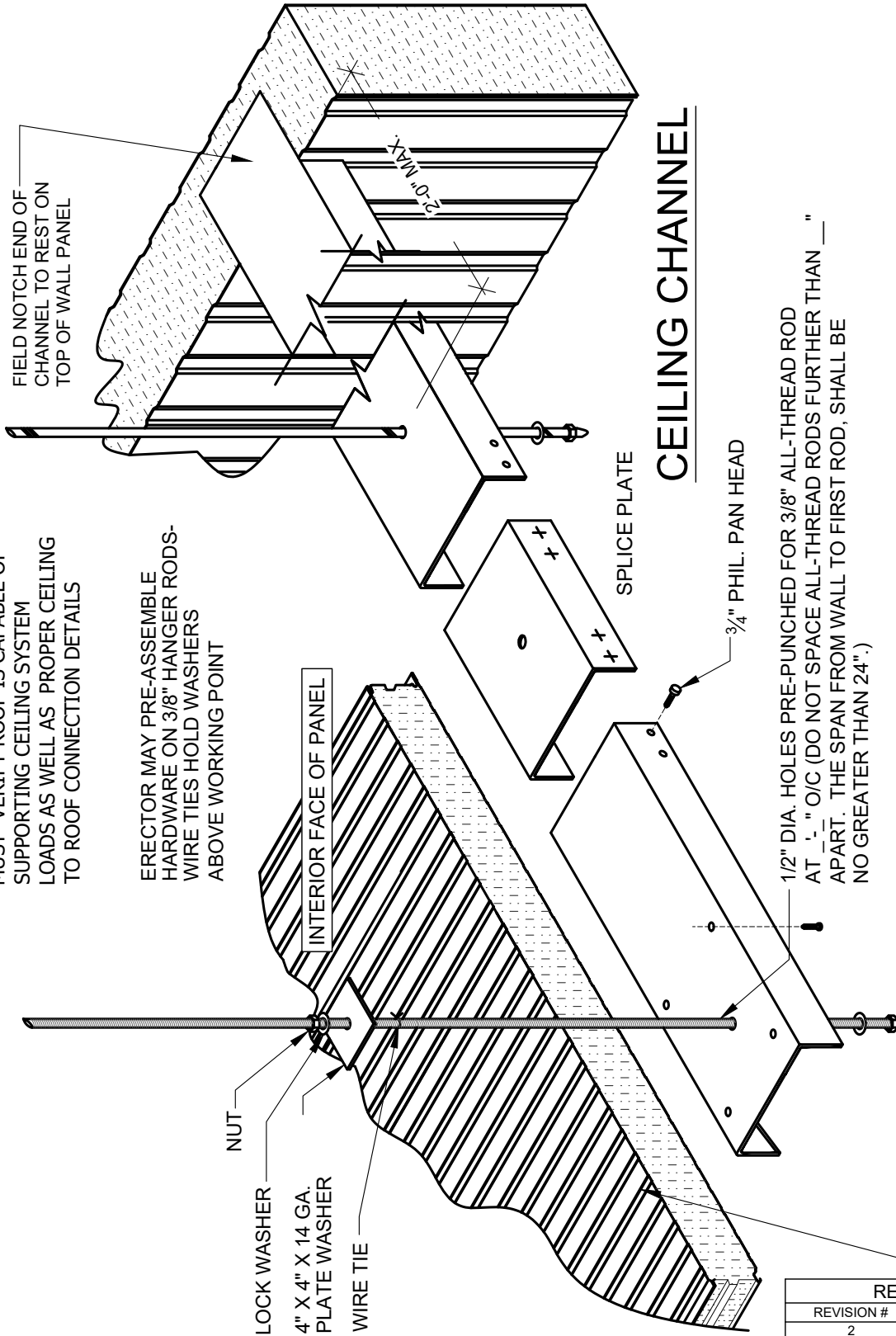
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K-ROC CEILING DETAILS

PROJECT ENGINEER OF RECORD
MUST VERIFY ROOF IS CAPABLE OF
SUPPORTING CEILING SYSTEM
LOADS AS WELL AS PROPER CEILING
TO ROOF CONNECTION DETAILS

ERECTOR MAY PRE-ASSEMBLE
HARDWARE ON 3/8" HANGER RODS-
WIRE TIES HOLD WASHERS
ABOVE WORKING POINT



EXTERIOR SIDE OF PANEL MUST BE ON BOTTOM OF
CEILING. PANEL CUTLIST MUST MATCH THIS ORIENTATION

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CEILING TRANSITION SUPPORT - ISOMETRIC

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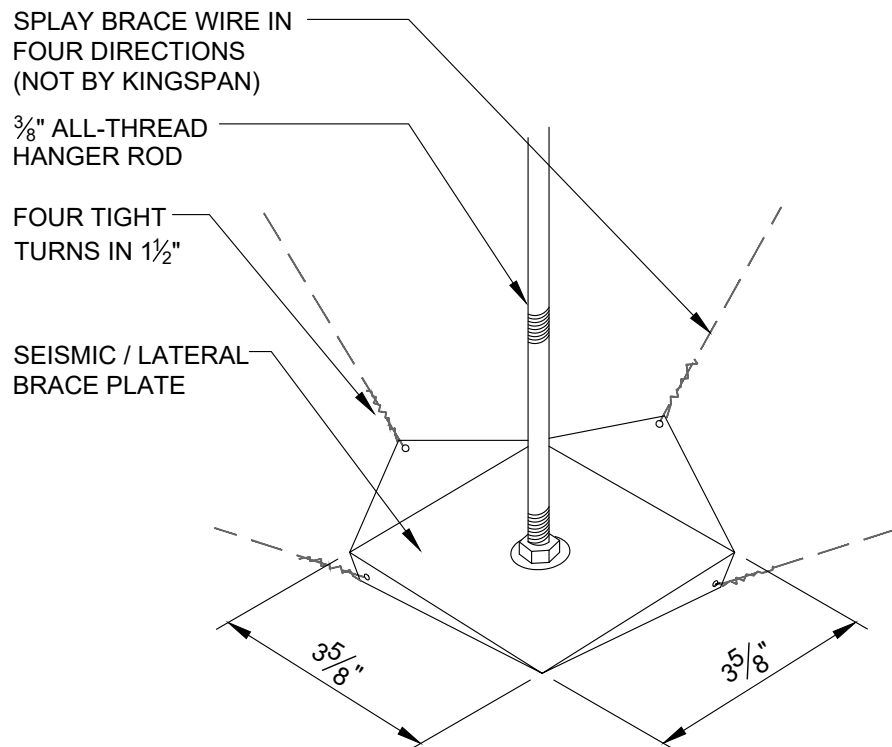
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K-ROC CEILING DETAILS



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(SEISMIC) LATERAL
BRACE PLATE

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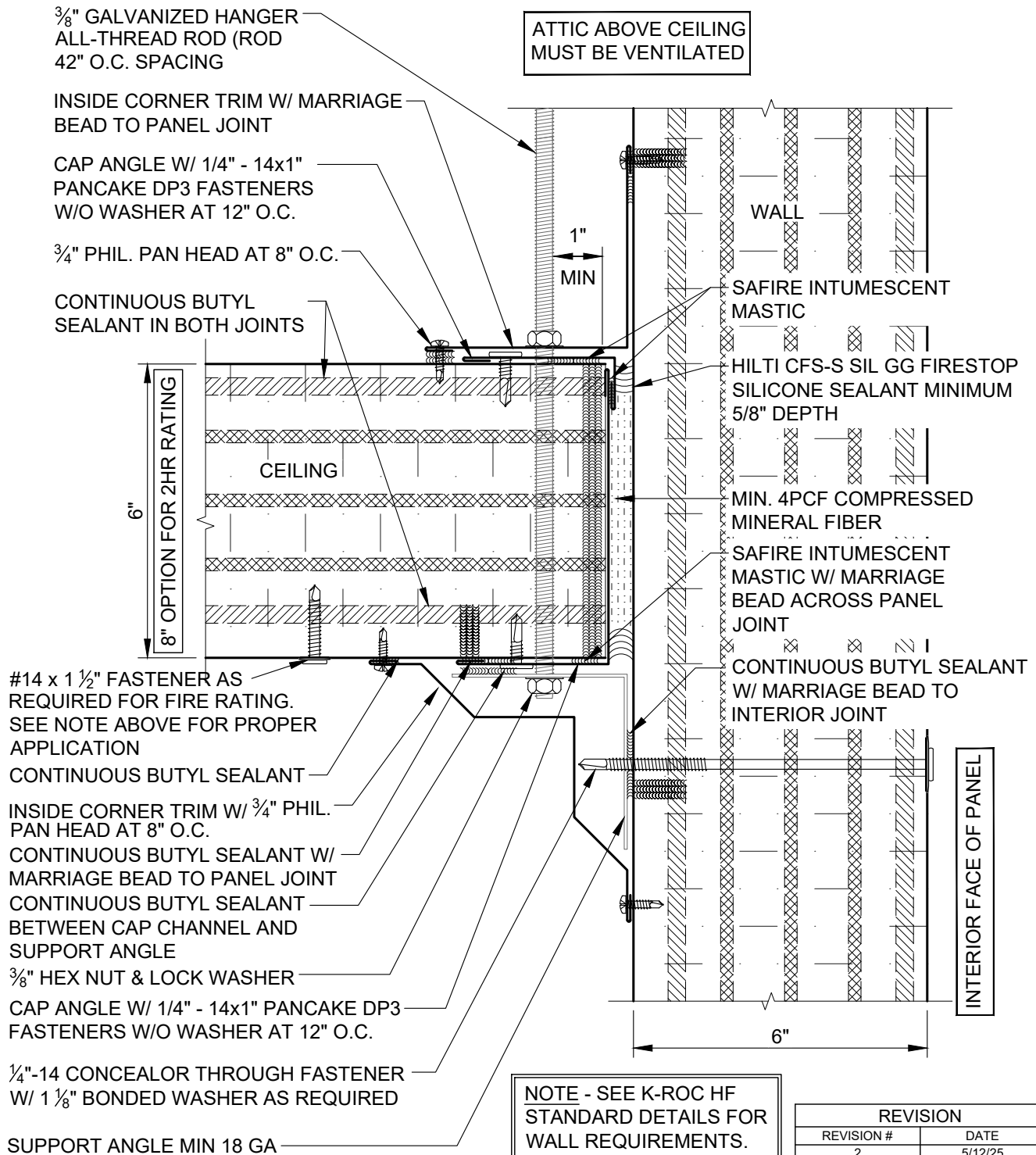
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CEILING TO WALL
TRANSITION

DETAIL #: HF-CE-01-K-ROC-C

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3/8" GALVANIZED HANGER
ALL-THREAD ROD (ROD
42" O.C. SPACING

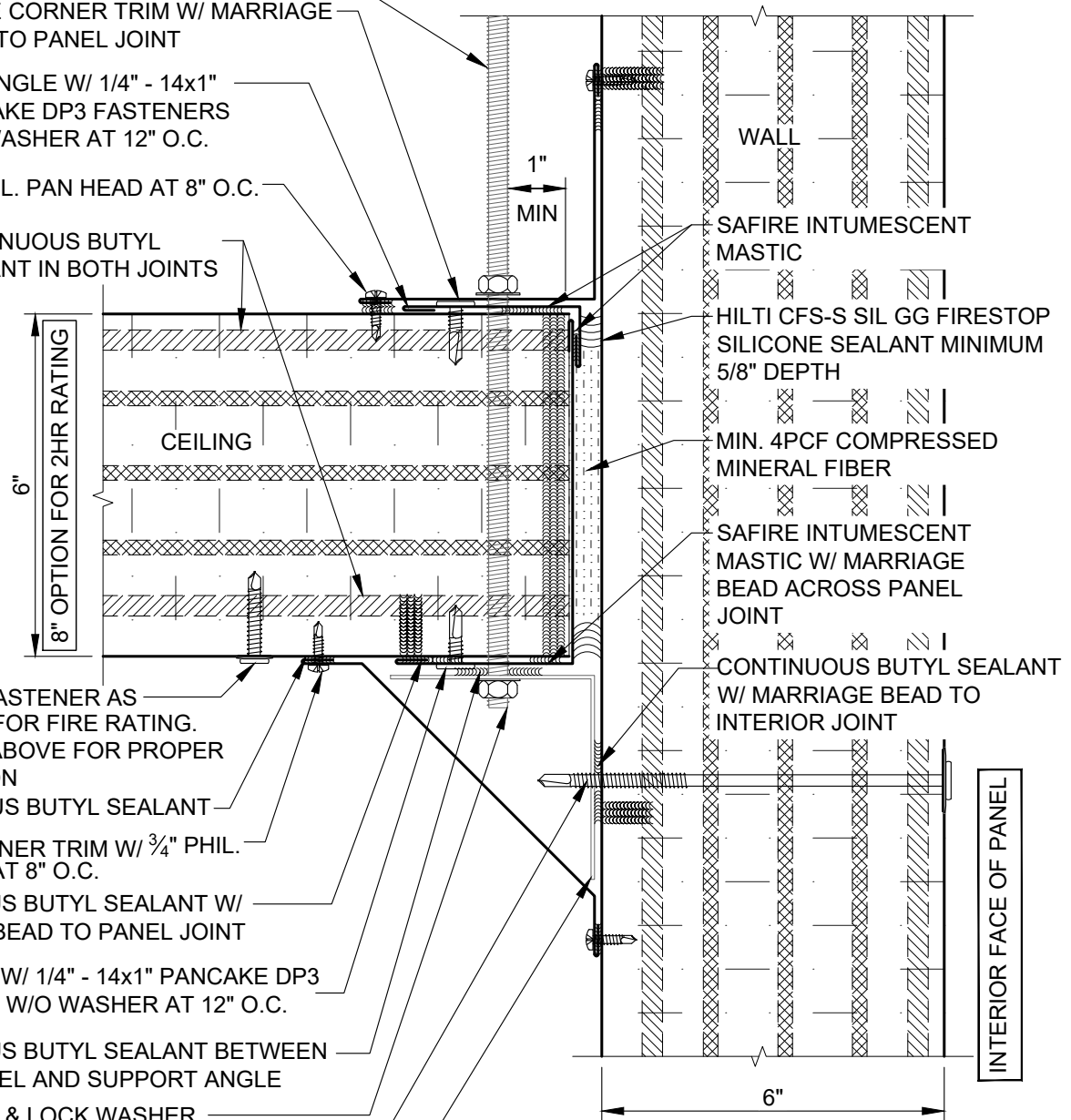
INSIDE CORNER TRIM W/ MARRIAGE
BEAD TO PANEL JOINT

CAP ANGLE W/ 1/4" - 14x1"
PANCAKE DP3 FASTENERS
W/O WASHER AT 12" O.C.

3/4" PHIL. PAN HEAD AT 8" O.C.

CONTINUOUS BUTYL
SEALANT IN BOTH JOINTS

ATTIC ABOVE CEILING
MUST BE VENTILATED



#14 x 1 1/2" FASTENER AS
REQUIRED FOR FIRE RATING.
SEE NOTE ABOVE FOR PROPER
APPLICATION

CONTINUOUS BUTYL SEALANT

INSIDE CORNER TRIM W/ 3/4" PHIL.
PAN HEAD AT 8" O.C.

CONTINUOUS BUTYL SEALANT W/
MARRIAGE BEAD TO PANEL JOINT

CAP ANGLE W/ 1/4" - 14x1" PANCAKE DP3
FASTENERS W/O WASHER AT 12" O.C.

CONTINUOUS BUTYL SEALANT BETWEEN
CAP CHANNEL AND SUPPORT ANGLE

3/8" HEX NUT & LOCK WASHER

1/4"-14 CONCEALOR THROUGH FASTENER
W/ 1 1/8" BONDED WASHER AS REQUIRED

SUPPORT ANGLE MIN 18 GA

NOTE - SEE K-ROC HF
STANDARD DETAILS FOR
WALL REQUIREMENTS.

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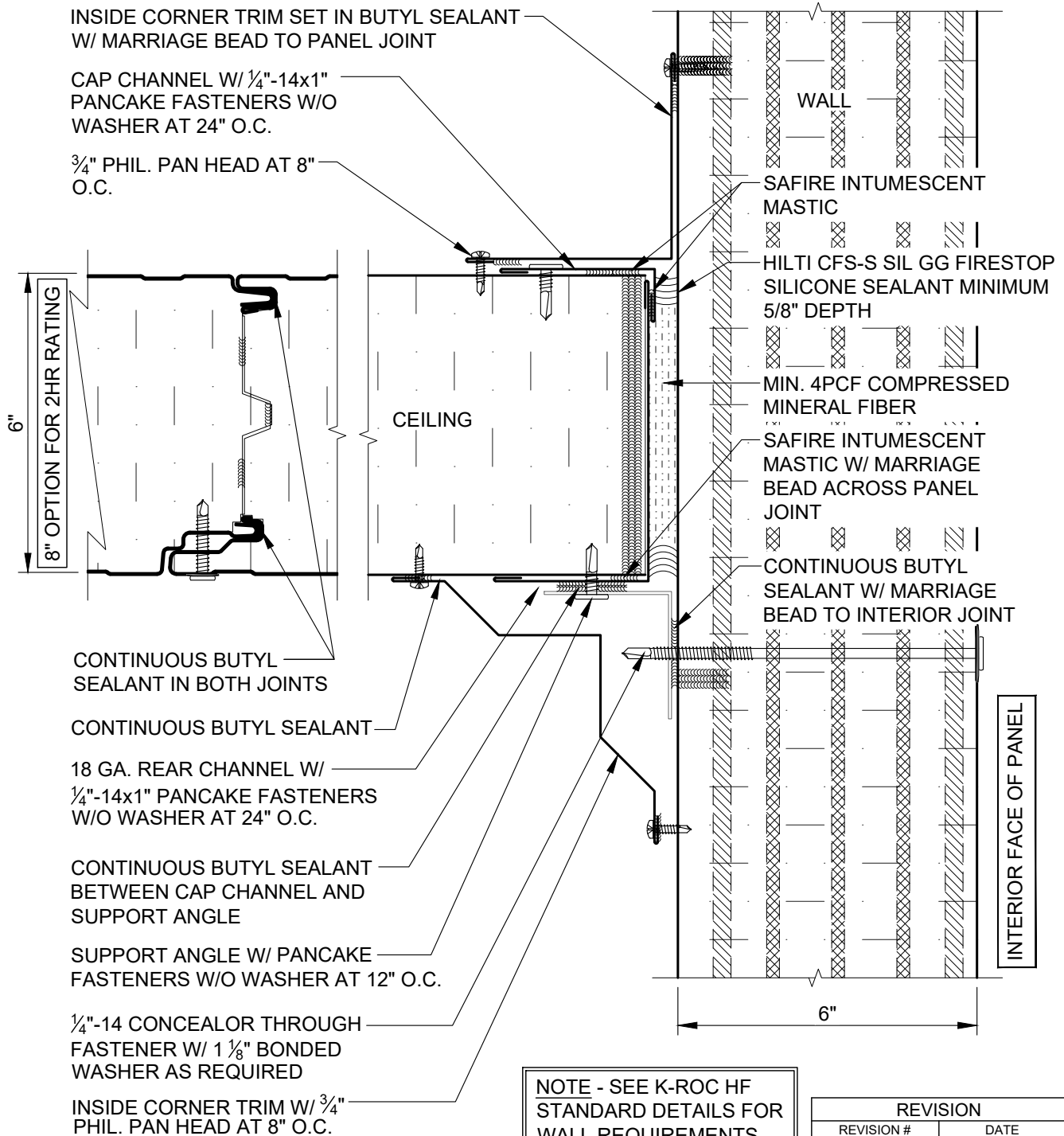
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K-ROC CEILING DETAILS

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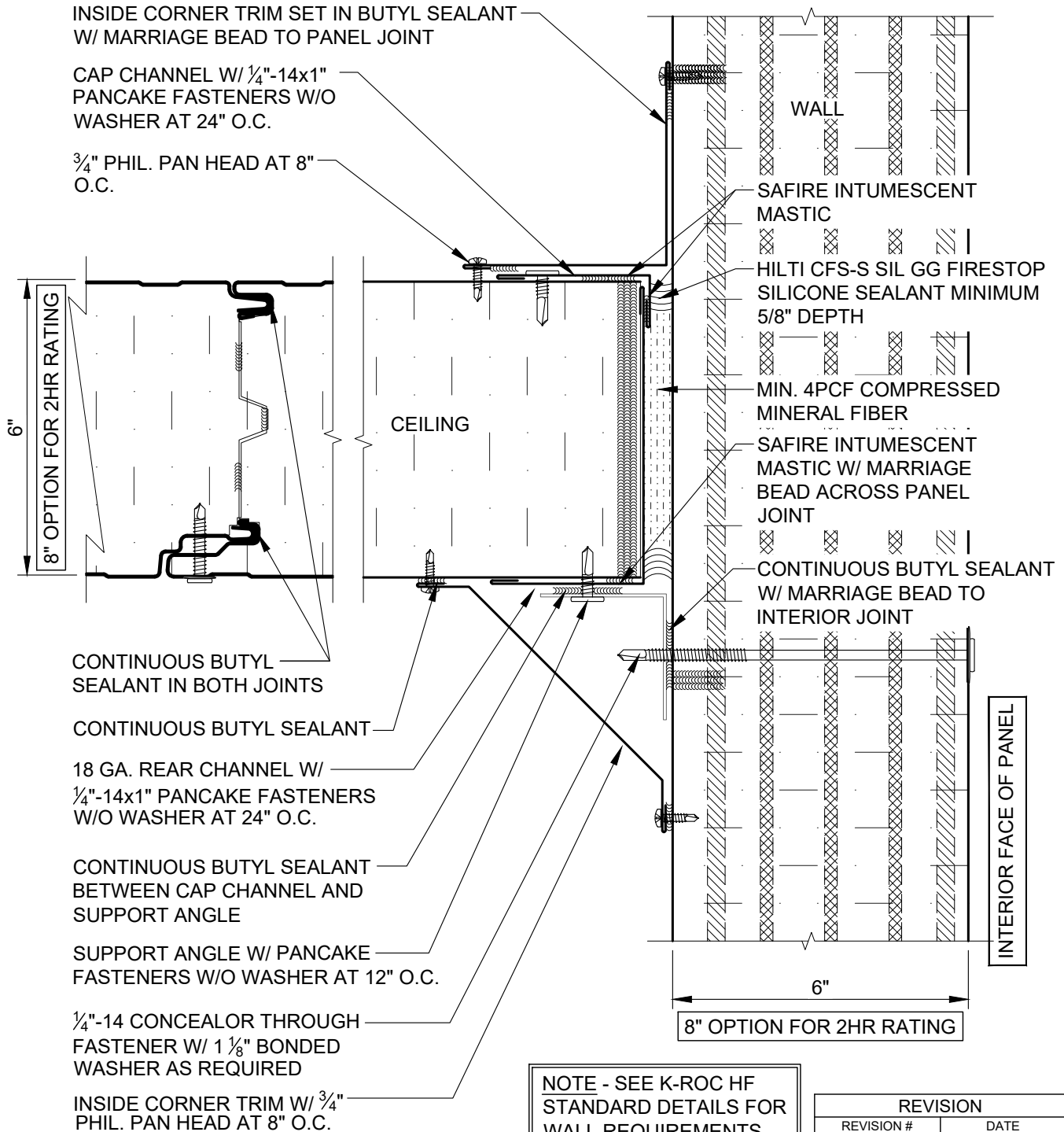
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