

K-ROC FX CEILING DETAILS

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FX-DS-01-K-ROC-C	C AND I DISCLAIMER
FX-PJ-01-K-ROC-C	6" PANEL JOINT EXPANDED/ENGAGED
FX-PJ-02-K-ROC-C	8" PANEL JOINT EXPANDED/ENGAGED
FX-TR-01-K-ROC-C	PARTITION WALL TO CEILING TRANSITION
FX-TR-02-K-ROC-C	WALL TO CEILING TRANSITION
FX-TR-03-K-ROC-C	WALL TO CEILING TRANSITION
FX-CE-01-K-ROC-C	CEILING TO WALL TRANSITION AT PANEL JOINT
FX-CE-02-K-ROC-C	CEILING TO WALL TRANSITION AT PANEL JOINT
FX-CE-03-K-ROC-C	CEILING TO WALL TRANSITION AT MID PANEL
FX-CE-04-K-ROC-C	CEILING TO WALL TRANSITION AT MID PANEL
FX-TR-04-K-ROC-C	CEILING TRANSITION SUPPORT
FX-TR-05-K-ROC-C	CEILING TRANSITION SUPPORT ISOMETRIC
FX-TR-06-K-ROC-C	LOAD DISTRIBUTION DETAIL
FX-TR-07-K-ROC-C	LOAD DISTRIBUTION DETAIL ISOMETRIC
FX-SB-01-K-ROC-C	SEISMIC / LATERAL BRACE PLATE

INDEX SHEET

DETAIL #: FX-XX-XX-K-ROC-C

RELEASE: 2026

REGION: NORTH AMERICA

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K-ROC FX 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. CLIMATIC 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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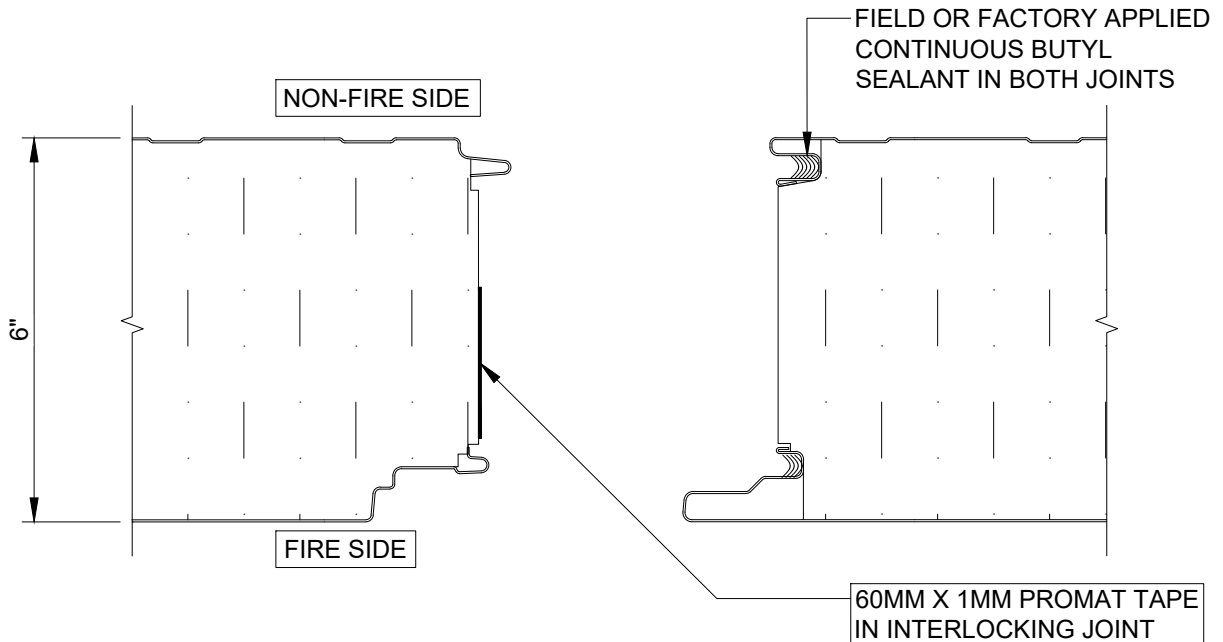
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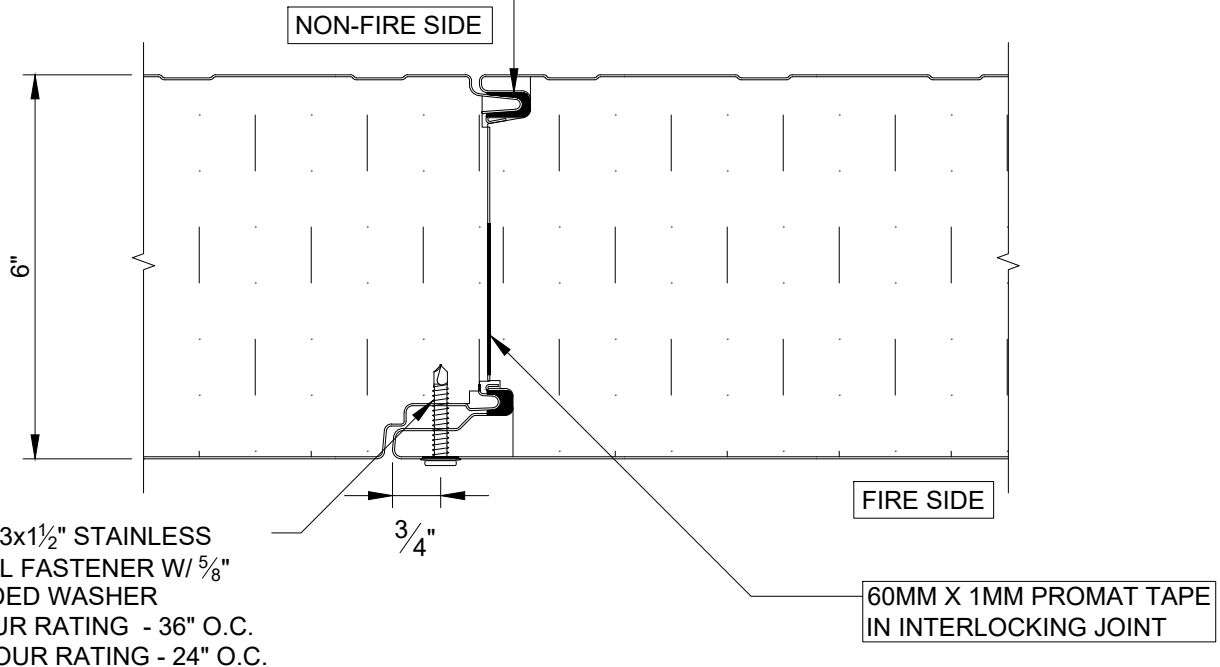
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FIELD OR FACTORY APPLIED CONTINUOUS BUTYL SEALANT IN BOTH JOINTS



WALL PANEL INSTALLATION DIRECTION →

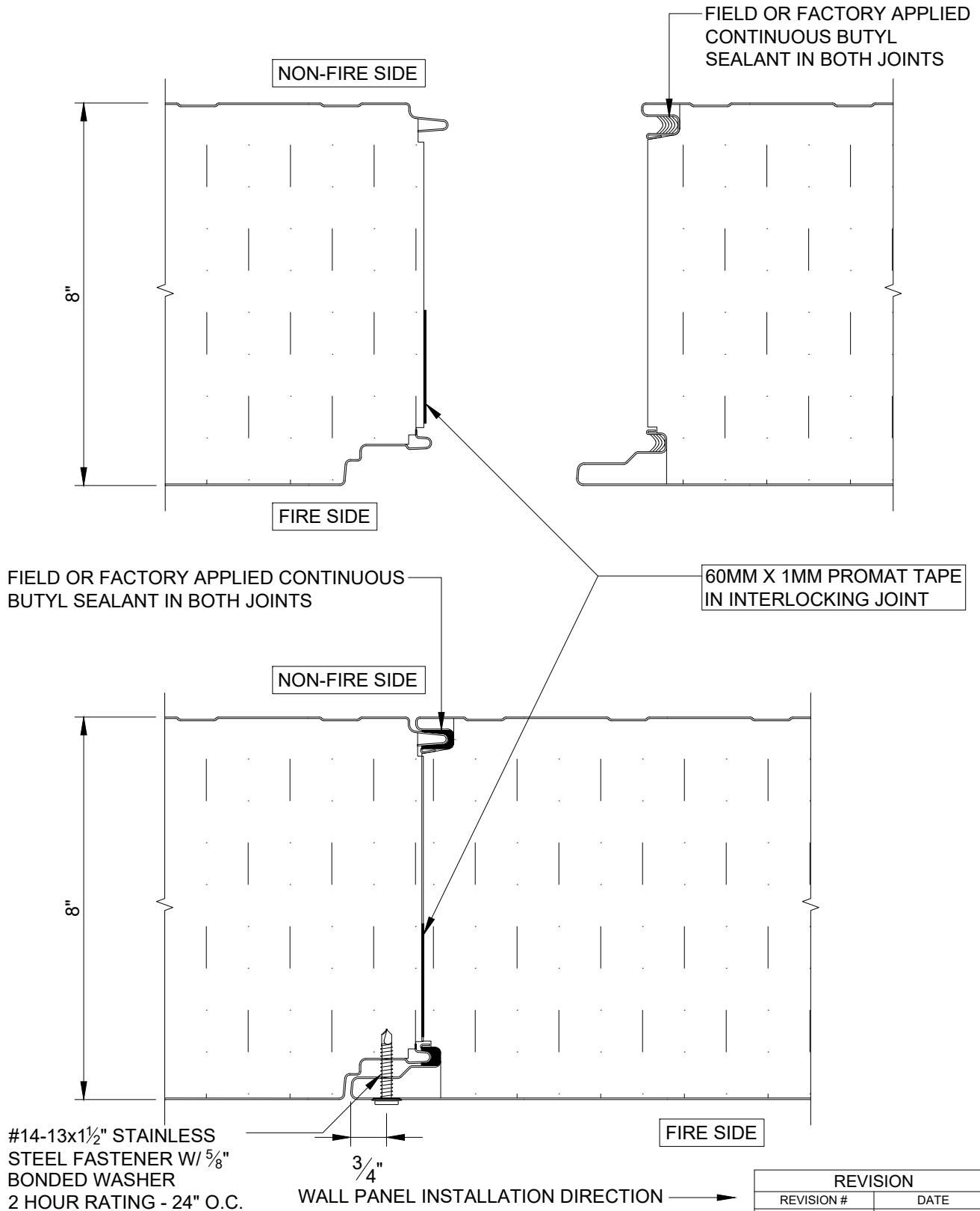
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6" PANEL JOINT
EXPANDED/ENGAGED

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K-ROC FX CEILING DETAILS

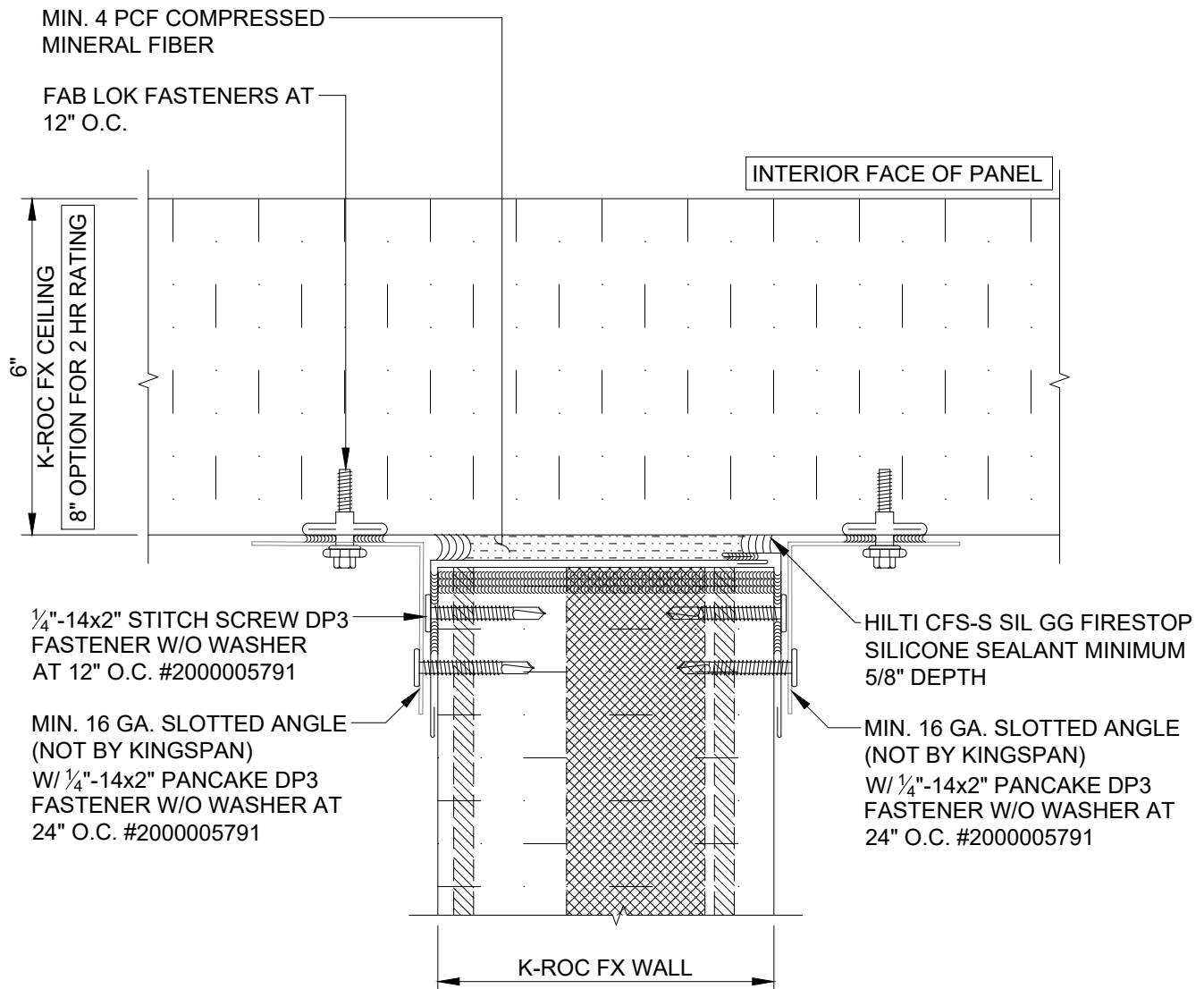


8" PANEL JOINT
EXPANDED/ENGAGED

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K-ROC FX CEILING DETAILS



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

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PARTITION WALL TO CEILING
TRANSITION

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K-ROC FX CEILING DETAILS

NOTE: #14-13x1½" 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.

*60MM X 1MM PROMAT TAPE - 6" AND 8" PANELS
 (SEE DETAILS FX-PJ-01-K-ROC-C TO FX-PJ-02-K-ROC-C FOR REFERENCE)

END DAM PANEL JOINTS W/ CONTINUOUS HILTI CFS-S SIL GG FIRESTOP SILICONE SEALANT W/ MARRIAGE BEAD TO EXTERIOR HILTI CFS-S SIL GG FIRESTOP SILICONE SEALANT

4"x4"x14 GA. PW-1 PLATE WASHER W/ ¼"-14x1" HWH DP3 FASTENER W/O WASHER SET IN CONTINUOUS BUTYL SEALANT

MIN. 5" MENDING PLATE W/ ¾" PHIL. PAN HEADS AT 8" O.C.

OUTSIDE CORNER TRIM W/ ¾" PHIL. PAN HEADS AT 8" O.C.

CONTINUOUS HILTI CFS-S SIL GG FIRESTOP SILICONE SEALANT W/ MARRIAGE BEAD ACROSS PANEL JOINT

MIN. 26 GA. CAP TRIM W/ ¼"-14x1" PANCAKE DP3 FASTENER W/O WASHER AT 12" O.C.

CONTINUOUS HILTI CFS-S SIL GG FIRESTOP SILICONE SEALANT

HILTI CFS-S SIL GG FIRESTOP SILICONE SEALANT MINIMUM 5/8" DEPTH

MIN. 4 PCF COMPRESSED MINERAL FIBER

MIN. 26 GA. CAP TRIM W/ ¼"-14x1" PANCAKE DP3 FASTENER W/O WASHER AT 12" O.C.

¼" PANCAKE DP3 FASTENERS W/ 1/8" BONDED WASHER

⅜" GALVANIZED HANGER ALL-THREAD ROD (ROD SPACING TO BE DETERMINED) W/ ⅜" HEX NUT AND LOCK WASHER (NOT BY KINGSPAN)

LINER SIDE OF PANEL

6"
K-ROC FX CEILING
8" OPTION FOR 2 HR RATING

CONTINUOUS HILTI CFS-S SIL GG FIRESTOP SILICONE SEALANT

MIN. 16 GA. SLOTTED ANGLE (NOT BY KINGSPAN) W/ ¼"-14x2" PANCAKE DP3 FASTENER W/O WASHER AT 24" O.C. #2000005791

MIN. 26 GA. CAP TRIM W/ ¼"-14x1" PANCAKE DP3 FASTENER W/O WASHER AT 12" O.C.

INSIDE CORNER TRIM W/ ¾" PHIL. PAN HEADS AT 8" O.C.

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

K-ROC FX WALL

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WALL TO CEILING
TRANSITION

DETAIL #: FX-TR-02-K-ROC-C

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K-ROC FX CEILING DETAILS

NOTE: #14-13x1½" 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.

*60MM X 1MM PROMAT TAPE - 6" AND 8" PANELS
 (SEE DETAILS FX-PJ-01-K-ROC-C TO FX-PJ-02-K-ROC-C FOR REFERENCE)

END DAM PANEL JOINTS W/ CONTINUOUS HILTI CFS-S SIL GG FIRESTOP SILICONE SEALANT W/ MARRIAGE BEAD TO EXTERIOR HILTI CFS-S SIL GG FIRESTOP SILICONE SEALANT

4"x4"x14 GA. PW-1 PLATE WASHER W/ ¼"-14x1" HWH DP3 FASTENER W/O WASHER SET IN CONTINUOUS BUTYL SEALANT

MIN. 5" MENDING PLATE W/ ¾" PHIL. PAN HEADS AT 8" O.C.

INSIDE CORNER TRIM W/ ¾" PHIL. PAN HEADS AT 8" O.C.

CONTINUOUS HILTI CFS-S SIL GG FIRESTOP SILICONE SEALANT W/ MARRIAGE BEAD ACROSS PANEL JOINT

MIN. 26 GA. CAP TRIM W/ ¼"-14x1" PANCAKE DP3 FASTENER W/O WASHER AT 12" O.C.

CONTINUOUS HILTI CFS-S SIL GG FIRESTOP SILICONE SEALANT

HILTI CFS-S SIL GG FIRESTOP SILICONE SEALANT MINIMUM 5/8" DEPTH

MIN. 4 PCF COMPRESSED MINERAL FIBER

HAT CHANNEL (NOT BY KINGSPAN)

MIN. 26 GA. CAP TRIM W/ ¼"-14x1" PANCAKE DP3 FASTENER W/O WASHER AT 12" O.C.

¼" PANCAKE DP3 FASTENERS W/ 1½" BONDED WASHER

¾" GALVANIZED HANGER ALL-THREAD ROD (ROD SPACING TO BE DETERMINED) W/ ¾" HEX NUT AND LOCK WASHER (NOT BY KINGSPAN)

LINER SIDE OF PANEL

6"
K-ROC FX CEILING
8" OPTION FOR 2 HR RATING

CONTINUOUS HILTI CFS-S SIL GG FIRESTOP SILICONE SEALANT

MIN. 16 GA. SLOTTED ANGLE (NOT BY KINGSPAN) W/ ¼"-14x2" PANCAKE DP3 FASTENER W/O WASHER AT 24" O.C. #2000005791

MIN. 26 GA. CAP TRIM W/ ¼"-14x1" PANCAKE DP3 FASTENER W/O WASHER AT 12" O.C.

INSIDE CORNER TRIM W/ ¾" PHIL. PAN HEADS AT 8" O.C.

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

K-ROC FX WALL

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WALL TO CEILING
TRANSITION

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K-ROC FX CEILING DETAILS

NOTE: #14-13x1½" 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.

*60MM X 1MM PROMAT TAPE - 6" AND 8" PANELS
 (SEE DETAILS FX-PJ-01-K-ROC-C TO FX-PJ-02-K-ROC-C FOR REFERENCE)

INSIDE CORNER TRIM W/ ¾" PHIL. PAN HEADS AT 8" O.C.

ATTIC ABOVE CEILING MUST BE VENTILATED

CONTINUOUS HILTI CFS-S SIL GG FIRESTOP SILICONE SEALANT W/ MARRIAGE BEAD ACROSS PANEL JOINT

CAP TRIM W/ ¼"-14x1" PANCAKE DP3 FASTENER W/O WASHER AT 24" O.C.

60MM X 1MM PROMAT TAPE IN INTERLOCKING JOINT

6"
K-ROC FX CEILING
8" OPTION FOR 2 HR RATING

FIELD OR FACTORY APPLIED CONTINUOUS BUTYL SEALANT IN BOTH JOINTS

CONTINUOUS BUTYL SEALANT

CAP TRIM W/ ¼"-14x1" PANCAKE DP3 FASTENER W/O WASHER AT 24" O.C. SET IN CONTINUOUS BUTYL SEALANT W/ MARRIAGE BEAD TO PANEL JOINT

⅜" GALVANIZED HANGER ALL-THREAD ROD (ROD SPACING TO BE DETERMINED) W/ ⅜" HEX NUT AND LOCK WASHER

END DAM PANEL JOINTS W/ CONTINUOUS HILTI CFS-S SIL GG FIRESTOP SILICONE SEALANT W/ MARRIAGE BEAD TO EXTERIOR HILTI CFS-S SIL GG FIRESTOP SILICONE SEALANT

CONTINUOUS BUTYL SEALANT W/ MARRIAGE BEAD TO PANEL JOINT

HILTI CFS-S SIL GG FIRESTOP SILICONE SEALANT MINIMUM 5/8" DEPTH

CONTINUOUS HILTI CFS-S SIL GG FIRESTOP SILICONE SEALANT

MIN. 4 PCF COMPRESSED MINERAL FIBER

CONTINUOUS BUTYL SEALANT W/ MARRIAGE BEAD TO PANEL JOINT

¼" PANCAKE DP3 FASTENERS W/ 1½" BONDED WASHER

MIN. 16 GA. SUPPORT ANGLE SET IN CONTINUOUS BUTYL SEALANT

INSIDE CORNER TRIM W/ ¾" PHIL. PAN HEADS AT 8" O.C.

K-ROC FX WALL

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

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CEILING TO WALL TRANSITION
AT PANEL JOINT

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K-ROC FX CEILING DETAILS

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INSIDE CORNER TRIM W/ ¾" PHIL. PAN HEADS AT 8" O.C.

ATTIC ABOVE CEILING MUST BE VENTILATED

CONTINUOUS HILTI CFS-S SIL GG FIRESTOP SILICONE SEALANT W/ MARRIAGE BEAD ACROSS PANEL JOINT

CAP TRIM W/ ¼"-14x1" PANCAKE DP3 FASTENER W/O WASHER AT 24" O.C.

60MM X 1MM PROMAT TAPE IN INTERLOCKING JOINT

CONTINUOUS BUTYL SEALANT W/ MARRIAGE BEAD TO PANEL JOINT

HILTI CFS-S SIL GG FIRESTOP SILICONE SEALANT MINIMUM 5/8" DEPTH

CONTINUOUS HILTI CFS-S SIL GG FIRESTOP SILICONE SEALANT

MIN. 4 PCF COMPRESSED MINERAL FIBER

CONTINUOUS BUTYL SEALANT W/ MARRIAGE BEAD TO PANEL JOINT

¼" PANCAKE DP3 FASTENERS W/ 1½" BONDED WASHER

FIELD OR FACTORY APPLIED CONTINUOUS BUTYL SEALANT IN BOTH JOINTS

CONTINUOUS BUTYL SEALANT

CAP TRIM W/ ¼"-14x1" PANCAKE DP3 FASTENER W/O WASHER AT 24" O.C. SET IN CONTINUOUS BUTYL SEALANT W/ MARRIAGE BEAD TO PANEL JOINT

⅜" GALVANIZED HANGER ALL-THREAD ROD (ROD SPACING TO BE DETERMINED) W/ ⅜" HEX NUT AND LOCK WASHER

END DAM PANEL JOINTS W/ CONTINUOUS HILTI CFS-S SIL GG FIRESTOP SILICONE SEALANT W/ MARRIAGE BEAD TO EXTERIOR HILTI CFS-S SIL GG FIRESTOP SILICONE SEALANT

MIN. 16 GA. SUPPORT ANGLE SET IN CONTINUOUS BUTYL SEALANT

INSIDE CORNER TRIM W/ ¾" PHIL. PAN HEADS AT 8" O.C.

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

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CEILING TO WALL TRANSITION
 AT PANEL JOINT

DETAIL #: FX-CE-02-K-ROC-C

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K-ROC FX CEILING DETAILS

NOTE: #14-13x1½" STAINLESS STEEL FASTENER W/ 5/8" BONDED WASHER SHALL BE INSTALLED AT PANEL JOINT (FIRE-SIDE ONLY)
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INSIDE CORNER TRIM W/ ¾" PHIL. PAN HEADS AT 8" O.C.

ATTIC ABOVE CEILING
 MUST BE VENTILATED

CONTINUOUS HILTI CFS-S SIL GG
 FIRESTOP SILICONE SEALANT

CAP TRIM W/ ¼"-14x1" PANCAKE DP3
 FASTENER W/O WASHER AT 24" O.C.

FIELD OR FACTORY
 APPLIED CONTINUOUS
 BUTYL SEALANT IN
 BOTH JOINTS

CONTINUOUS BUTYL SEALANT
 W/ MARRIAGE BEAD TO PANEL
 JOINT

HILTI CFS-S SIL GG FIRESTOP
 SILICONE SEALANT MINIMUM
 5/8" DEPTH

CONTINUOUS HILTI CFS-S
 SIL GG FIRESTOP SILICONE
 SEALANT

MIN. 4 PCF COMPRESSED
 MINERAL FIBER

CONTINUOUS BUTYL SEALANT
 W/ MARRIAGE BEAD TO PANEL
 JOINT

¼" PANCAKE DP3 FASTENERS
 W/ 1½" BONDED WASHER

6"
 K-ROC FX CEILING
 8" OPTION FOR 2 HR RATING

60MM X 1MM PROMAT TAPE
 IN INTERLOCKING JOINT

CONTINUOUS BUTYL SEALANT

CAP TRIM W/ ¼"-14x1" PANCAKE DP3
 FASTENER W/O WASHER AT 24" O.C.
 SET IN CONTINUOUS BUTYL SEALANT

MIN. 16 GA. SUPPORT ANGLE
 SET IN CONTINUOUS BUTYL SEALANT

END DAM PANEL JOINTS W/ CONTINUOUS HILTI
 CFS-S SIL GG FIRESTOP SILICONE SEALANT
 W/ MARRIAGE BEAD TO EXTERIOR HILTI CFS-S
 SIL GG FIRESTOP SILICONE SEALANT

INSIDE CORNER TRIM W/ ¾" PHIL. PAN HEADS AT 8" O.C.

K-ROC FX WALL

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

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CEILING TO WALL TRANSITION
 AT MID PANEL

DETAIL #: FX-CE-03-K-ROC-C

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K-ROC FX CEILING DETAILS

NOTE: #14-13x1½" STAINLESS STEEL FASTENER W/ 5/8" BONDED WASHER SHALL BE INSTALLED AT PANEL JOINT (FIRE-SIDE ONLY)
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 (SEE DETAILS FX-PJ-01-K-ROC-C TO FX-PJ-02-K-ROC-C FOR REFERENCE)

INSIDE CORNER TRIM W/ ¾" PHIL. PAN HEADS AT 8" O.C.

ATTIC ABOVE CEILING
 MUST BE VENTILATED

CONTINUOUS HILTI CFS-S SIL GG
 FIRESTOP SILICONE SEALANT

CAP TRIM W/ ¼"-14x1" PANCAKE DP3
 FASTENER W/O WASHER AT 24" O.C.

FIELD OR FACTORY
 APPLIED CONTINUOUS
 BUTYL SEALANT IN
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6"
 K-ROC FX CEILING
 8" OPTION FOR 2 HR RATING

CONTINUOUS BUTYL SEALANT
 W/ MARRIAGE BEAD TO PANEL
 JOINT

HILTI CFS-S SIL GG FIRESTOP
 SILICONE SEALANT MINIMUM
 5/8" DEPTH

CONTINUOUS HILTI CFS-S
 SIL GG FIRESTOP SILICONE
 SEALANT

MIN. 4 PCF COMPRESSED
 MINERAL FIBER

CONTINUOUS BUTYL SEALANT
 W/ MARRIAGE BEAD TO PANEL
 JOINT

¼" PANCAKE DP3 FASTENERS
 W/ 1½" BONDED WASHER

60MM X 1MM PROMAT TAPE
 IN INTERLOCKING JOINT

CONTINUOUS BUTYL SEALANT

CAP TRIM W/ ¼"-14x1" PANCAKE DP3
 FASTENER W/O WASHER AT 24" O.C.
 SET IN CONTINUOUS BUTYL SEALANT

MIN. 16 GA. SUPPORT ANGLE
 SET IN CONTINUOUS BUTYL SEALANT

END DAM PANEL JOINTS W/ CONTINUOUS HILTI
 CFS-S SIL GG FIRESTOP SILICONE SEALANT
 W/ MARRIAGE BEAD TO EXTERIOR HILTI CFS-S
 SIL GG FIRESTOP SILICONE SEALANT

INSIDE CORNER TRIM W/ ¾" PHIL. PAN HEADS AT 8" O.C.

K-ROC FX WALL

NOTE - SEE K-ROC FX
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CEILING TO WALL TRANSITION
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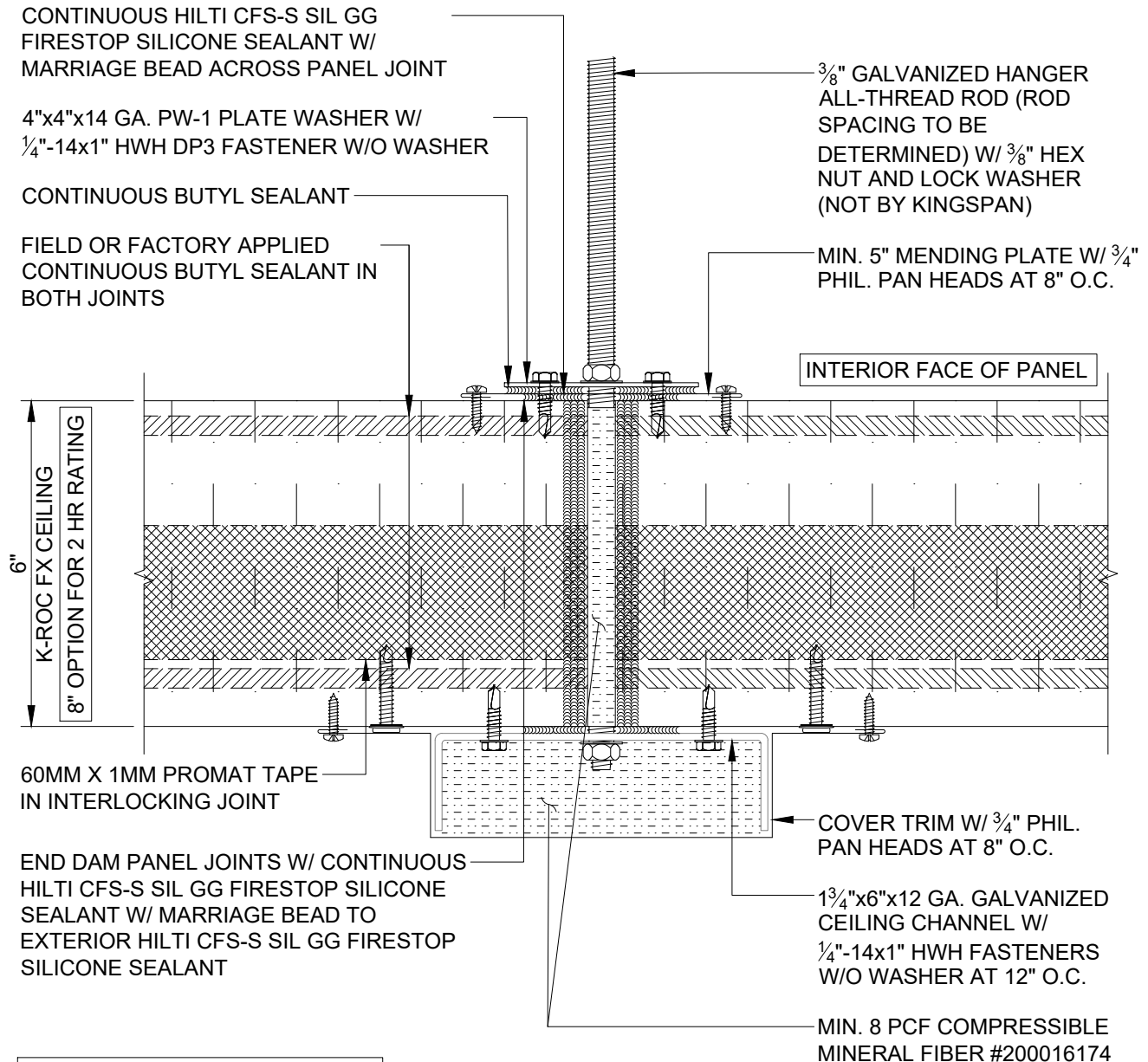


K-ROC FX CEILING DETAILS

NOTE: #14-13x1½" STAINLESS STEEL FASTENER W/ 5/8" BONDED WASHER SHALL BE INSTALLED AT PANEL JOINT (FIRE-SIDE ONLY)
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 1.5 HOUR RATING - 6" PANEL, 24" O.C.
 2 HOUR RATING - 8" PANEL, 24" O.C.

*60MM X 1MM PROMAT TAPE - 6" AND 8" PANELS
 (SEE DETAILS FX-PJ-01-K-ROC-C TO FX-PJ-02-K-ROC-C FOR REFERENCE)

ATTIC ABOVE CEILING
 MUST BE VENTILATED



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

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CEILING TRANSITION SUPPORT

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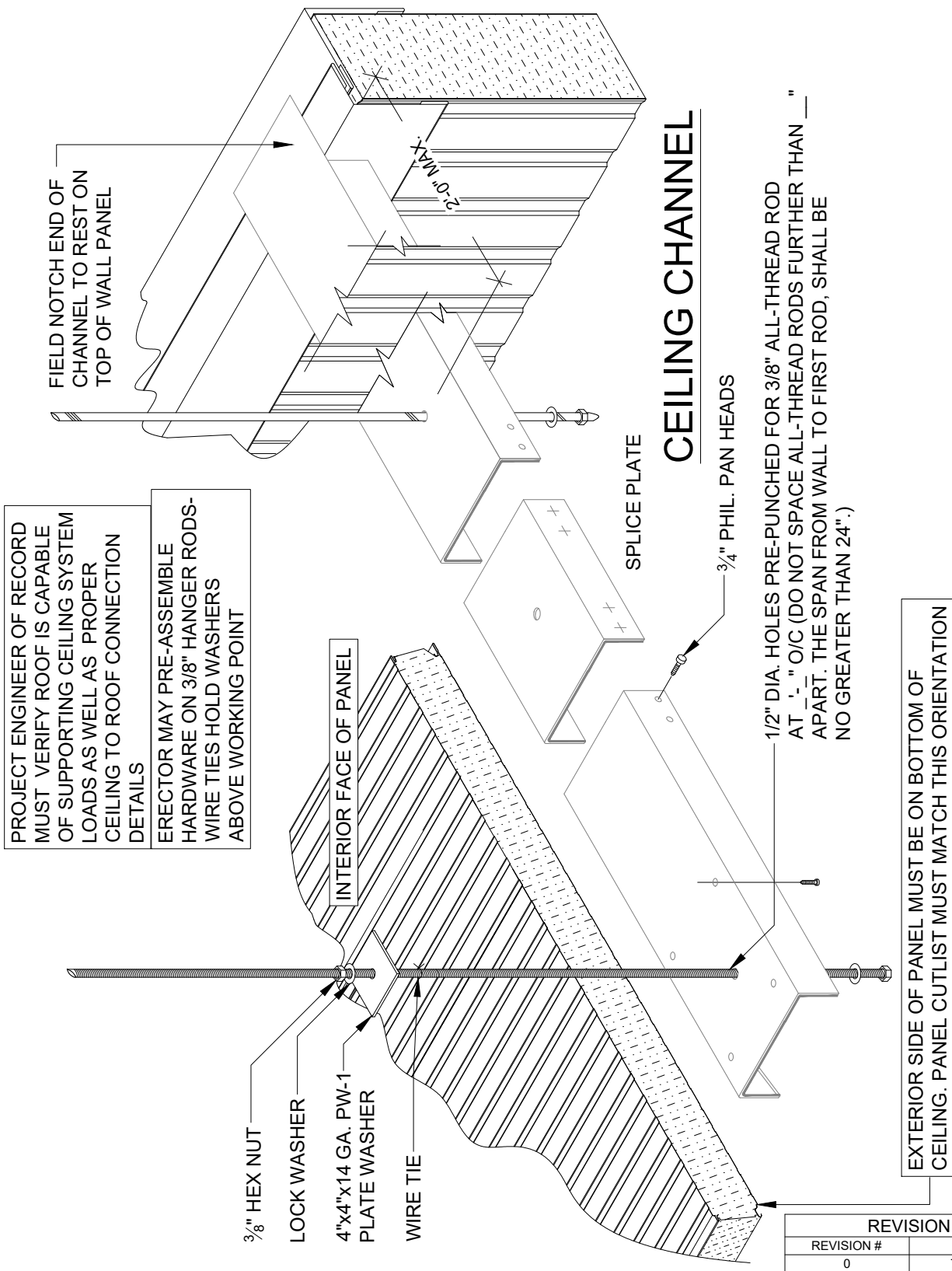
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K-ROC FX CEILING DETAILS



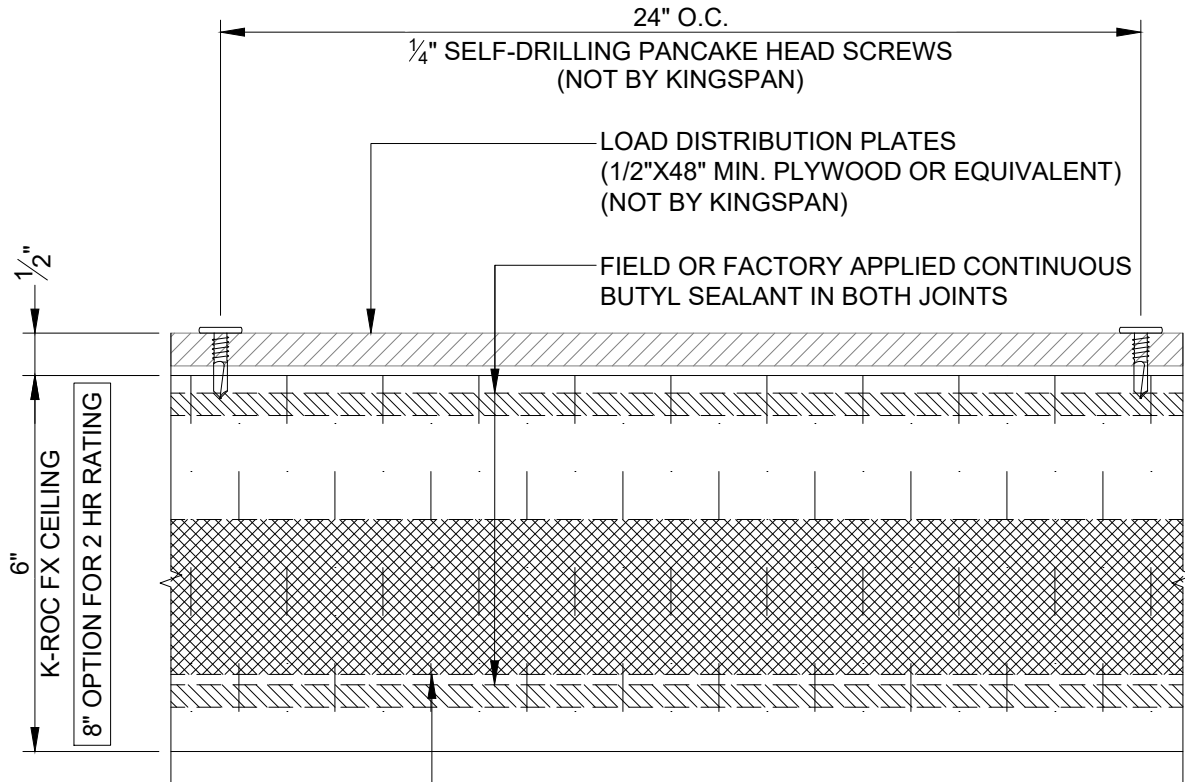
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CEILING TRANSITION SUPPORT
ISOMETRIC

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K-ROC FX CEILING DETAILS



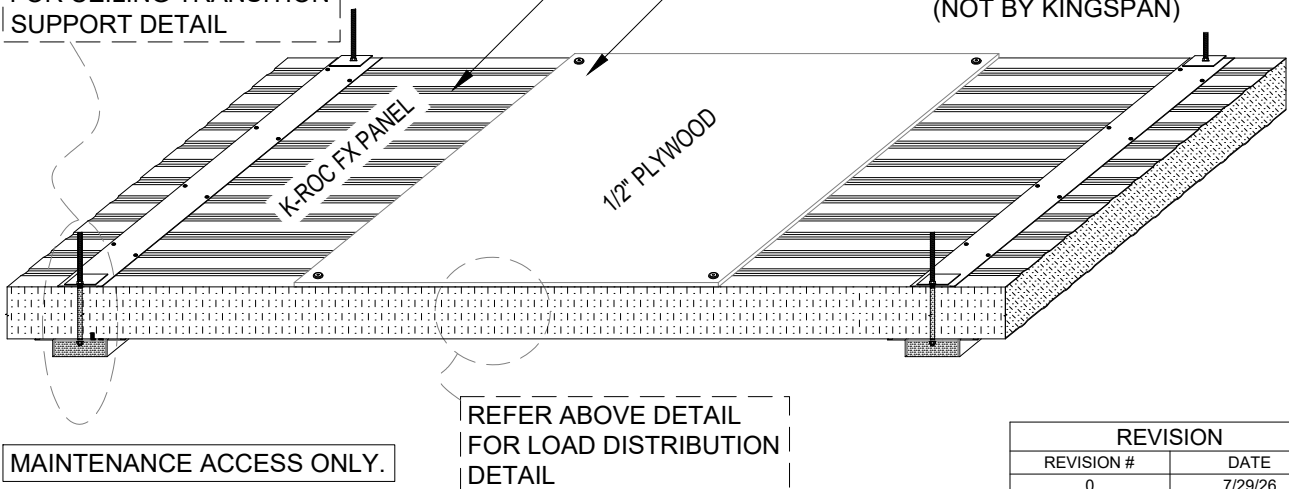
60MM X 1MM PROMAT TAPE IN INTERLOCKING JOINT

WALK-ON ACCESS ONLY WITH LOAD DISTRIBUTION PLATES INSTALLED. NO DIRECT FOOT TRAFFIC ON PANELS.

REFER [FX-TR-04-K-ROC-C](#) FOR CEILING TRANSITION SUPPORT DETAIL

KINGSPAN K-ROC FX FIRE RATED CEILING ASSEMBLY

LOAD DISTRIBUTION PLATES (1/2"X48" MIN. PLYWOOD OR EQUIVALENT) ATTACHED USING 1/4" SELF-DRILLING PANCAKE HEAD SCREWS AT 24" O.C. (NOT BY KINGSPAN)



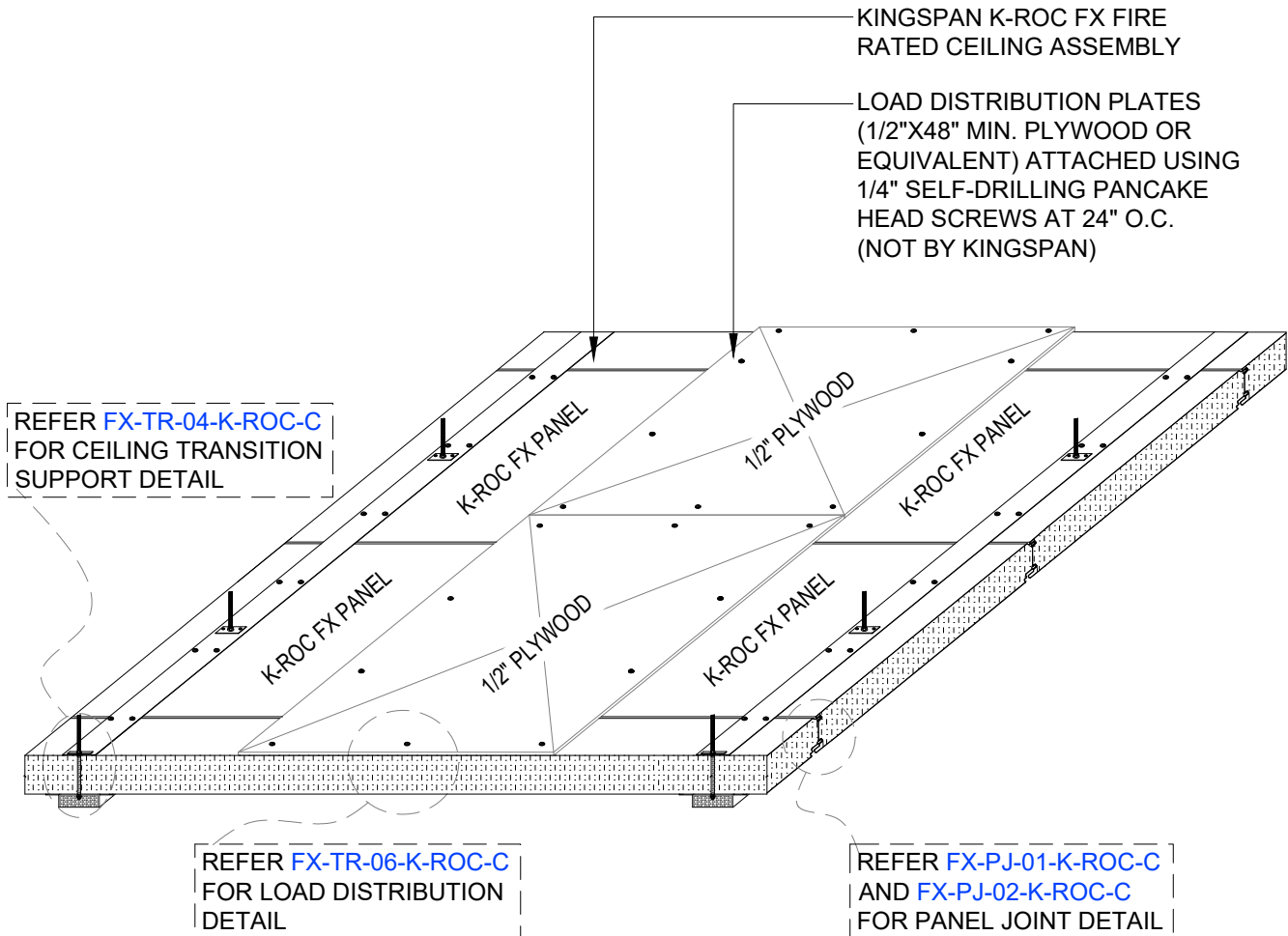
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K-ROC FX CEILING DETAILS

WALK-ON ACCESS ONLY WITH LOAD
DISTRIBUTION PLATES INSTALLED.
NO DIRECT FOOT TRAFFIC ON PANELS.



MAINTENANCE ACCESS ONLY.

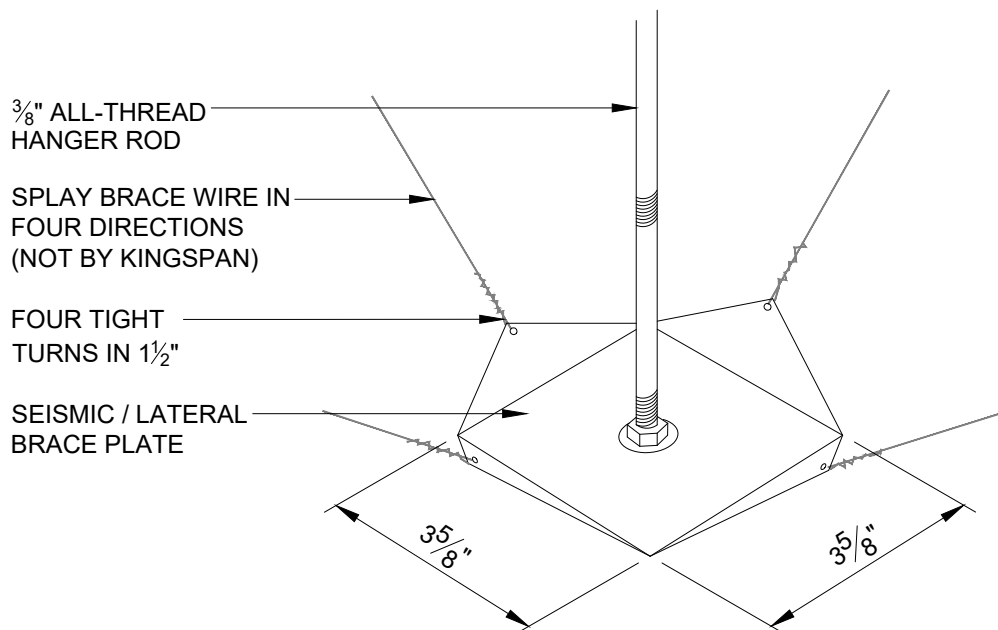
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