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KS SERIES - HORIZONTAL INSTALLATION

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CI-IC-CMU-03-KSH  INSIDE CORNER - TRIM - CMU
CI-IC-CMU-04-KSH  INSIDE CORNER - JAMB EXTRUSION - CMU
CI-FO-01-KSH     FRAME OPENING - HEAD W/ DRIP EDGE
CI-FO-02-KSH     FRAME OPENING - STOREFRONT HEAD
CI-FO-03-KSH     FRAME OPENING - HEAD W/ EXTRUSION
CI-FO-04-KSH     FRAME OPENING - O.H. DOOR HEAD - 2PC TRIM
CI-FO-05-KSH     FRAME OPENING - O.H. DOOR HEAD - TRIM W/ DRIP EDGE
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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. AND CANADIAN CLIMACTIC ZONES. (THE PRIMARY VAPOR BARRIER IS PLACED ON THE "WARM" SIDE IN WINTER).

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 AND ILLUSTRATION PURPOSES ONLY.

CONTACT KINGSPAN TECHNICAL SERVICES FOR MAXIMUM ALLOWABLE PANEL SPANS AND FASTENING PATTERNS.
KS SERIES - HORIZONTAL INSTALLATION

CORE DEPTHS:
2", 2.5", 3", 4", 5", 6"

STEEL GAUGES:
EXTERIOR: REFER TO PROFILE
INTERIOR: 26, 24, 22

MODULE WIDTH:
24", 30", 36", 42"

PANEL ORIENTATION:
VERTICAL or HORIZONTAL

REVEAL OPTIONS:

EMBOSSING:
EXTERIOR: REFER TO PROFILE
INTERIOR: STUCCO / SMOOTH

LENGTHS:
MINIMUM: 8'-0"
MAXIMUM: 53'-0"

MINI MICRO-RIB (MMR)
24GA (SMOOTH ONLY)
OPTIONAL: TRIMLESS ENDS, FOLDED CORNERS

KS MINI MICRO-RIB (MMR)
24", 30", 36", 42"
OPTIONAL: TRIMLESS ENDS, FOLDED CORNERS

KS MICRO-RIB (MR)
24GA, 22GA (STUCCO EMBOSSED or SMOOTH)
OPTIONAL: TRIMLESS ENDS, FOLDED CORNERS

KS MICRO-RIB (MR)
24", 30", 36", 42"
OPTIONAL: TRIMLESS ENDS, FOLDED CORNERS

KS SHADOWLINE (SL)
24GA, 22GA, 20GA (STUCCO EMBOSSED or SMOOTH)
OPTIONAL: TRIMLESS ENDS, FOLDED CORNERS

KS SHADOWLINE (SL)
24", 30", 36", 42"
OPTIONAL: TRIMLESS ENDS, FOLDED CORNERS

SHADOWLINE
FEMALE JOINT
INTERIOR
EXTERIOR
MALE JOINT
REVEAL
SHADOWLINE
FEMALE JOINT
INTERIOR
EXTERIOR
MALE JOINT
REVEAL
SHADOWLINE
FEMALE JOINT
INTERIOR
EXTERIOR
MALE JOINT
REVEAL
SHADOWLINE
FEMALE JOINT
INTERIOR
EXTERIOR
MALE JOINT
REVEAL
SHADOWLINE
FEMALE JOINT
INTERIOR
EXTERIOR
MALE JOINT
REVEAL
SHADOWLINE
FEMALE JOINT
INTERIOR
EXTERIOR
MALE JOINT
REVEAL

PANEL PROFILES - HORIZONTAL

DETAIL #: CI-PP-01-KSH
DATE: 2018 REV2

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www.kingspanpanels.ca
KS SERIES - HORIZONTAL INSTALLATION

CORE DEPTHS: 2", 2.5", 3", 4", 5", 6"

MODULE WIDTH: 24", 30", 36", 42"

EMBOSSING:
- EXTERIOR: REFER TO PROFILE
- INTERIOR: STUCCO / SMOOTH

LENGTHS:
- MINIMUM: 8'-0"
- MAXIMUM: 53'-0"

STEEL GAUGES:
- EXTERIOR: REFER TO PROFILE
- INTERIOR: 26, 24, 22

PANEL ORIENTATION: VERTICAL or HORIZONTAL

REVEAL OPTIONS:
- 1/8" or 3/8"

2", 2.5", 3", 4", 5", 6"

KS AZTECO (AZ)
AZTECO, 24GA, 22GA (AZTECO EMBOSSED ONLY)

KS MINIWAVE (MW)
MINI WAVE 24GA, 22GA (STUCCO EMBOSSED or SMOOTH)

KS GRANITSTONE (GS)
GRANITSTONE / GRANITSTONE QTZ 24GA, 22GA (STUCCO EMBOSSED ONLY)

PANEL PROFILES - HORIZONTAL

DETAIL #: CI-PP-02-KSH
DATE: 2018 REV2

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KS SERIES - HORIZONTAL INSTALLATION

CORE DEPTHS:
2", 2.5", 3", 4", 5", 6"

MODULE WIDTH:
24", 30", 36", 42"

EMBOSSING:
EXTERIOR: REFER TO PROFILE
INTERIOR: STUCCO / SMOOTH

LENGTHS:
MINIMUM: 8'-0"
MAXIMUM: 32'-0" EMBOSSED
MAXIMUM: 20'-0" NON-EMBOSSED

STEEL GAUGES:
EXTERIOR: REFER TO PROFILE
INTERIOR: 26, 24, 22

PANEL ORIENTATION:
VERTICAL or HORIZONTAL

REVEAL OPTIONS:
1/8" or 3/8"

PANEL PROFILES - HORIZONTAL

DETAIL #: CI-PP-03-KSH
DATE: 2018 REV2

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FEMALE JOINT

MALE JOINT

VERTICAL SUPPORT

12 GA. STAINLESS STEEL HIDDEN FASTENER CLIP
(1 PER PANEL, PER SUPPORT)
SET CLIP IN BUTYL SEALANT

1" - 14 HEX HEAD FASTENERS WITHOUT WASHER

CONTINUOUS BUTYL SEALANT

CONTINUOUS BUTYL SEALANT (OPTIONAL)

WALL PANEL INSTALLATION DIRECTION

PANEL JOINT-EXPANDED

DETAIL #: CI-PJ-01-KSH
DATE: 2018 REV2

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KS SERIES - HORIZONTAL INSTALLATION

PANEL JOINT-ENGAGED

WS SERIES - HORIZONTAL INSTALLATION

PANEL JOINT-ENGAGED

VERTICAL SUPPORT

WALL PANEL INSTALLATION DIRECTION

MALE JOINT

FEMALE JOINT

CONTINUOUS BUTYL SEALANT

CONTINUOUS BUTYL SEALANT (OPTIONAL)

3/8" - 14 HEX HEAD FASTENERS WITHOUT WASHER

12 GA. STAINLESS STEEL HIDDEN FASTENER CLIP
(1 PER PANEL, PER SUPPORT)
SET CLIP IN BUTYL SEALANT
KS SERIES - HORIZONTAL INSTALLATION

VERTICAL SUPPORT

3/4" - 14 HEX HEAD FASTENERS
WITHOUT WASHER

12 GA. STAINLESS STEEL
HIDDEN FASTENER CLIP
(1 PER PANEL, PER SUPPORT)
SET CLIP IN BUTYL SEALANT

STANDARD:
12 GA. STAINLESS STEEL
TWO-HOLE HIDDEN FASTENER CLIP

OPTIONAL:
12 GA. STAINLESS STEEL
ONE-HOLE HIDDEN FASTENER CLIP

NOTE:
CONTACT KINGSPAN TECHNICAL SERVICES
FOR SPECIFIC PROJECT RECOMMENDATIONS

PANEL JOINT-
INTERMEDIATE
FASTENING

DETAIL #: CI-PJ-03-KSH
DATE: 2018 REV2
KS SERIES - HORIZONTAL INSTALLATION

BASE DETAIL- FLUSH WITH BASE EXTRUSION

DETAIL #: CI-BS-01-KSH
DATE: 2018 REV2

- **VERTICAL SUPPORTS (NOT BY KINGSPAN)**
- **CONTINUOUS BUTYL SEALANT AT PANEL JOINT**
- **OPTIONAL BUTYL SEALANT**
- **PANEL BASE "C" EXTRUSION**
- **1/4" - 14 HEX HEAD FASTENERS WITH WASHER**
- **CONTINUOUS BUTYL SEALANT**
- **FASTENER TO CONCRETE (NOT BY KINGSPAN)**
- **BASE CHANNEL SET IN SEALANT (NOT BY KINGSPAN)**
- **CONTINUOUS BUTYL SEALANT BELOW BASE EXTRUSION**
- **FILL VOID WITH COMPRESSIBLE FOAM CLOSURE**
KS SERIES - HORIZONTAL INSTALLATION

VERTICAL SUPPORTS (NOT BY KINGSPAN)

BASE CHANNEL SET IN SEALANT (NOT BY KINGSPAN)

CONTINUOUS BUTYL SEALANT BELOW BASE EXTRUSION

POP RIVETS @ 8" O.C.
BASE TRIM
BASE FLASHING

CONTINUOUS BUTYL SEALANT BOTH SIDES OF TRIM

½" - 14 LOW PROFILE FASTENERS

FASTENER TO CONCRETE (NOT BY KINGSPAN)

BASE CHANNEL SET IN SEALANT (NOT BY KINGSPAN)

BASE DETAIL - FLUSH CUT BASE WITH TRIM

DETAIL #: CI-BS-02-KSH
DATE: 2018 REV2

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"J" BASE DETAIL - OVERHANG W/ EXTRUSION AT JOINT

DETAIL #: CI-BS-03-KSH
DATE: 2018 REV2

VERTICAL SUPPORTS (NOT BY KINGSPAN)

CONTINUOUS BUTYL SEALANT AT PANEL JOINT

FILL VOID WITH COMPRESSIBLE FOAM CLOSURE

FIELD DRILL 3/8" Ø WEEP HOLES (NOT BY KINGSPAN)

PANEL BASE "A" EXTRUSION

OPTIONAL WIPER GASKET (FIELD INSTALLED)

1/4" - 14 "LOW PROFILE" FASTENER

FASTENER TO CONCRETE (NOT BY KINGSPAN)

BASE CHANNEL SET IN BEAD OF SEALANT (NOT BY KINGSPAN)

"J" BASE DETAIL - OVERHANG W/ EXTRUSION AT JOINT
VERTICAL SUPPORTS (NOT BY KINGSPAN)

CONTINUOUS BUTYL SEALANT BOTH SIDES OF EXTRUSION

FIELD DRILL $\frac{3}{8}$" Ø WEEP HOLES (NOT BY KINGSPAN)

FASTENER TO CONCRETE (NOT BY KINGSPAN)

BASE CHANNEL SET IN BEAD OF SEALANT (NOT BY KINGSPAN)

OPTIONAL WIPER GASKET (FIELD INSTALLED)

"J" BASE DETAIL - OVERHANG W/ EXTRUSION CUT END

DETAIL #: CI-BS-04-KSH
DATE: 2018 REV2
VERTICAL SUPPORTS (NOT BY KINGSPAN)

"J" BASE STARTER

CONTINUOUS BUTYL SEALANT AT PANEL JOINT

FILL VOID WITH COMPRESSIBLE FOAM CLOSURE

BASE FLASHING

CONTINUOUS BUTYL SEALANT BOTH SIDES OF TRIM

3/8" - 14 "LOW PROFILE" FASTENER

FASTENER TO CONCRETE (NOT BY KINGSPAN)

BASE PLATE SET IN BEAD OF SEALANT (NOT BY KINGSPAN)

KS SERIES - HORIZONTAL INSTALLATION

"J" BASE DETAIL - OVERHANG W/ TRIM

DETAIL #: CI-B5-05-KSH

DATE: 2018 REV2

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"J" BASE DETAIL - STEPPED SLAB

KS SERIES - HORIZONTAL INSTALLATION

CONTINUOUS BUTYL SEALANT IN BASE "J" TRIM

BASE FLASHING

CONTINUOUS BUTYL SEALANT BELOW BASE FLASHING

"J" BASE STARTER

1/4" - 14 LOW PROFILE FASTENERS

BASE ANGLE W/ MIN. 3" VERT. LEG FOR PANEL ATTACHMENT SET IN CONTINUOUS BEAD OF BUTYL SEALANT (NOT BY KINGSPAN)

FASTENER TO CONCRETE (NOT BY KINGSPAN)

SEALANT (NOT BY KINGSPAN)

2" (TYP.)

DETAIL #: CI-BS-06-KSH
DATE: 2018 REV2
CONTINUOUS BUTYL SEALANT BELOW BASE EXTRUSION

CONTINUOUS BUTYL SEALANT AT PANEL JOINT

OPTIONAL BUTYL SEALANT

PANEL BASE "C" EXTRUSION

FILL VOID WITH COMPRESSIBLE FOAM CLOSURE

CONTINUOUS BUTYL SEALANT BELOW BASE EXTRUSION

\( \frac{1}{4} " \) - 14 HEX HEAD FASTENERS WITH WASHER

FASTENER TO CONCRETE (NOT BY KINGSPAN)

HAT CHANNEL (NOT BY KINGSPAN)

CONTINUOUS BUTYL SEALANT

BASE DETAIL - FLUSH WITH BASE EXTRUSION - CMU
KS SERIES - HORIZONTAL INSTALLATION

CONTINUOUS BUTYL SEALANT BELOW BASE EXTRUSION

1/4" - 14 LOW PROFILE FASTENERS
POP RIVETS @ 8" O.C.
BASE TRIM
BASE FLASHING

CONTINUOUS BUTYL SEALANT BOTH SIDES OF TRIM
CONTINUOUS BUTYL SEALANT BELOW BASE EXTRUSION

CMU (NOT BY KINGSPAN)
HAT CHANNEL (NOT BY KINGSPAN)
FASTENER TO CONCRETE (NOT BY KINGSPAN)

BASE DETAIL - FLUSH CUT BASE WITH TRIM - CMU
DETAIL #: CI-BS-CMU-02-KSH
DATE: 2018 REV2
"J" BASE DETAIL - OVERHANG W/ EXTRUSION - CMU
KS SERIES - HORIZONTAL INSTALLATION

"J" BASE DETAIL - OVERHANG W/ TRIM - CMU

CONTINUOUS BUTYL SEALANT AT PANEL JOINT

BASE FLASHING

CONTINUOUS BUTYL SEALANT AT PANEL JOINT

CMU
(NOT BY KINGSPAN)

CONTINUOUS BUTYL SEALANT BOTH SIDES OF TRIM

1/4" - 14 "LOW PROFILE" FASTENER

HAT CHANNEL
(NOT BY KINGSPAN)

1/4" - 14 "LOW PROFILE" FASTENER

DATE: 2018 REV2

DETAIL #: CI-BS-CMU-04-KSH

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"J" BASE DETAIL - STEPPED SLAB

BASE FLASHING

18 GA. GALV STEEL CONTINUOUS "J" TRIM

CONTINUOUS BUTYL SEALANT IN BASE "J" TRIM

CONTINUOUS BUTYL SEALANT BELOW BASE FLASHING

CMU (NOT BY KINGSPAN)

CONTINUOUS BUTYL SEALANT

FASTENER TO CONCRETE (NOT BY KINGSPAN)

¼" - 14 "LOW PROFILE" FASTENER

HAT CHANNEL (NOT BY KINGSPAN)

DETAIL #: CI-BS-CMU-05-KSH
DATE: 2018 REV2
KS SERIES - HORIZONTAL INSTALLATION

OUTSIDE CORNER TRIM

EXPANDABLE INSULATION AS REQUIRED (BY OTHERS)

FIELD MITER PANELS

CONTINUOUS BUTYL SEALANT

POP RIVETS @ 8" O.C.

¾" - 14 HEX HEAD FASTENERS WITHOUT WASHER

CONTINUOUS BUTYL SEALANT AT PANEL JOINT

INSIDE CORNER TRIM

CONTINUOUS BUTYL SEALANT WITH MARRIAGE BEAD TO HORIZONTAL PANEL JOINT

VERTICAL SUPPORT (NOT BY KINGSPAN)

12 GA. STAINLESS STEEL HIDDEN FASTENER CLIP (1 PER PANEL, PER SUPPORT) SET CLIP IN BUTYL SEALANT

12 GA. STAINLESS STEEL HIDDEN FASTENER CLIP (1 PER PANEL, PER SUPPORT) SET CLIP IN BUTYL SEALANT

CONTINUOUS BUTYL SEALANT

CONTINUOUS BUTYL SEALANT

INT. CORNER TRIM

FIELD MITER PANELS

CONTINUOUS BUTYL SEALANT

OUTSIDE CORNER TRIM

PARTITIONS
FACTORY INSTALLED INSIDE CORNER TRIM

FACTORY FOLDED CORNERS AND TRIMLESS ENDS AVAILABLE WITH GRANITSTONE, MICRO-RIB, MINI MICRO-RIB, AND OPTIMO PANELS

MAXIMUM LENGTH: 10'
MINIMUM LENGTH: 1'

FACTORY MITERED AND FORMED

12 GA. STAINLESS STEEL HIDDEN FASTENER CLIP (1 PER PANEL, PER SUPPORT) SET CLIP IN BUTYL SEALANT

¾" - 14 HEX HEAD FASTENERS WITHOUT WASHER

CONTINUOUS BUTYL SEALANT AT PANEL JOINT

VERTICAL SUPPORT (NOT BY KINGSPAN)

KS SERIES - HORIZONTAL INSTALLATION

DETAIL #: CI-OC-02-KSH
DATE: 2018 REV2

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KS SERIES - HORIZONTAL INSTALLATION

INSIDE CORNER TRIM
VERTICAL SUPPORT
(CONTINUOUS BUTYL SEALANT
WITH MARRIAGE BEAD TO
HORIZONTAL PANEL JOINT)

BACKER ROD AND SEALANT
(NOT BY KINGSPAN)
DEPTH OF SEALANT TO
MATCH REVEAL DEPTH

EXPANDABLE INSULATION
(NOT BY KINGSPAN)

1/4" - 14 HEX HEAD
FASTENERS WITHOUT WASHER

CONTINUOUS BUTYL
SEALANT AT PANEL JOINT

INSIDE CORNER TRIM
CONTINUOUS BUTYL SEALANT
WITH MARRIAGE BEAD TO
HORIZONTAL PANEL JOINT

12 GA. STAINLESS STEEL
HIDDEN FASTENER CLIP
(1 PER PANEL, PER SUPPORT)
SET CLIP IN BUTYL SEALANT

VIRTUAL SUPPORT
(NOT BY KINGSPAN)

45° TRIMLESS ENDS ONLY AVAILABLE
WITH OPTIMO PANELS

OUTSIDE CORNER
MITERED ENDS

DETAIL #: CI-OC-03-KSH
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INSIDE CORNER TRIM

OUTSIDE CORNER TRIM

CONTINUOUS BUTYL SEALANT WITH MARRIAGE BEAD TO HORIZONTAL PANEL JOINT

CONTINUOUS BUTYL SEALANT AT PANEL JOINT

VERTICAL SUPPORT (NOT BY KINGSPAN)

EXPANDABLE INSULATION AS REQUIRED (NOT BY KINGSPAN)

CONTINUOUS BUTYL SEALANT WITH MARRIAGE BEAD TO HORIZONTAL PANEL JOINT

¼" - 14 HEX HEAD FASTENERS WITHOUT WASHER

12 GA. STAINLESS STEEL HIDDEN FASTENER CLIP (1 PER PANEL, PER SUPPORT) SET CLIP IN BUTYL SEALANT

CONTINUOUS BUTYL SEALANT

INSIDE CORNER TRIM

CONTINUOUS BUTYL SEALANT

POP RIVETS @ 8" O.C.
KS SERIES - HORIZONTAL INSTALLATION

VERTICAL SUPPORT (NOT BY KINGSPAN)

CONTINUOUS BUTYL SEALANT WITH MARRIAGE BEAD TO HORIZONTAL PANEL JOINT

1/4" - 14 HEX HEAD FASTENERS WITHOUT WASHER

12 GA. STAINLESS STEEL HIDDEN FASTENER CLIP (1 PER PANEL, PER SUPPORT) SET CLIP IN BUTYL SEALANT

FACTORY FOLDED TRIMLESS END (1")

VIRTUAL JOINT GASKET

PANEL LENGTH MEASURED FROM HERE

TRIMLESS ENDS AVAILABLE WITH GRANITSTONE, MICRO-RIB, MINI MICRO-RIB, AND OPTIMO PANELS

INSIDE CORNER WITH GASKET

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CONTINUOUS BUTYL SEALANT
WITH MARRIAGE BEAD TO
HORIZONTAL PANEL JOINT

OUTSIDE CORNER TRIM

EXPANDABLE INSULATION
(NOT BY KINGSPAN)

CONTINUOUS BUTYL
SEALANT WITH MARRIAGE
BEAD TO HORIZONTAL
PANEL JOINT

1/4" - 14 HEX HEAD
FASTENERS WITHOUT WASHER

12 GA. STAINLESS STEEL
HIDDEN FASTENER CLIP
(1 PER PANEL, PER SUPPORT)
SET CLIP IN BUTYL SEALANT

INSIDE CORNER TRIM

CONTINUOUS BUTYL
SEALANT AT PANEL JOINT

VERTICAL SUPPORT
(NOT BY KINGSPAN)

CONTINUOUS BUTYL SEALANT
WITH MARRIAGE BEAD TO
HORIZONTAL PANEL JOINT

CONTINUOUS BUTYL SEALANT

POP RIVETS @ 8" O.C.

BACKER ROD AND SEALANT
(NOT BY KINGSPAN)
KS SERIES - HORIZONTAL INSTALLATION

VERTICAL SUPPORT (NOT BY KINGSPAN)

CONTINUOUS BUTYL SEALANT WITH MARRIAGE BEAD TO HORIZONTAL PANEL JOINT

⅛" - 14 "LOW PROFILE" FASTENER

CORNER EXTRUSION CAP

⅛" - 14 "LOW PROFILE" FASTENER

CONTINUOUS BUTYL SEALANT AT PANEL JOINT

12 GA. STAINLESS STEEL HIDDEN FASTENER CLIP (1 PER PANEL, PER SUPPORT) SET CLIP IN BUTYL SEALANT

CORNER EXTRUSION BASE

EXPANDABLE INSULATION (NOT BY KINGSPAN)

OPTIONAL WIPER GASKET (FIELD INSTALLED)
FACTORY FOLDED CORNERS AND TRIMLESS ENDS AVAILABLE WITH GRANITSTONE, MICRO-RIB, MINI MICRO-RIB, AND OPTIMO PANELS

12 GA. STAINLESS STEEL HIDDEN FASTENER CLIP (1 PER PANEL, PER SUPPORT)
SET CLIP IN BUTYL SEALANT

CONTINUOUS BUTYL SEALANT AT PANEL JOINT

½" - 14 HEX HEAD FASTENERS WITHOUT WASHER

FACTORY MITERED AND FORMED

KS SERIES - HORIZONTAL INSTALLATION

OUTSIDE CORNER W/ FACTORY FOLDED - OVER CMU

DETAIL #: CI-OC-CMU-02-KSH
DATE: 2018 REV2
KS SERIES - HORIZONTAL INSTALLATION

OUTSIDE CORNER W/ MITERED ENDS - OVER CMU

45° TRIMLESS ENDS ONLY AVAILABLE WITH OPTIMO PANELS

12 GA. STAINLESS STEEL HIDDEN FASTENER CLIP (1 PER PANEL, PER SUPPORT) SET CLIP IN BUTYL SEALANT

VERTICAL HAT CHANNEL AND MASONRY FASTENERS (NOT BY KINGSPAN)

EXPANDABLE INSULATION (NOT BY KINGSPAN)

CONTINUOUS BUTYL SEALANT AT PANEL JOINT

1/4" - 14 HEX HEAD FASTENERS WITHOUT WASHER

CONTINUOUS BUTYL SEALANT WITH MARRIAGE BEAD TO HORIZONTAL PANEL JOINT

INSIDE CORNER TRIM

CMU (NOT BY KINGSPAN)

BACKER ROD AND SEALANT (NOT BY KINGSPAN) DEPTH OF SEALANT TO MATCH REVEAL DEPTH

1/8" - 14 HEX HEAD FASTENERS WITHOUT WASHER

1/8" - 14 HEX HEAD FASTENERS WITHOUT WASHER

VERTICAL HAT CHANNEL AND MASONRY FASTENERS (NOT BY KINGSPAN)

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DETAIL #: CI-OC-CMU-03-KSH

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INSIDE CORNER TRIM
CONTINUOUS BUTYL SEALANT
WITH MARRIAGE BEAD TO HORIZONTAL PANEL JOINT
POP RIVETS @ 8" O.C.

OUTSIDE CORNER TRIM
12 GA. STAINLESS STEEL HIDDEN FASTENER CLIP (1 PER PANEL, PER SUPPORT)
SET CLIP IN BUTYL SEALANT

CONTINUOUS BUTYL SEALANT AT PANEL JOINT
S - 14 HEX HEAD FASTENERS WITHOUT WASHER

CMU (NOT BY KINGSPAN)
CMU (NOT BY KINGSPAN)

VERTICAL HAT CHANNEL AND MASONRY FASTENERS (NOT BY KINGSPAN)
CONTINUOUS BUTYL SEALANT WITH MARRIAGE BEAD TO HORIZONTAL PANEL JOINT

EXPANDABLE INSULATION (NOT BY KINGSPAN)
CONTINUOUS BUTYL SEALANT
INSIDE CORNER TRIM

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INSIDE CORNER W/ FLAT TRIM - OVER CMU

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CONTINUOUS BUTYL SEALANT
WITH MARRIAGE BEAD TO
HORIZONTAL PANEL JOINT

OUTSIDE CORNER TRIM

CONTINUOUS BUTYL
SEALANT WITH MARRIAGE
BEAD TO HORIZONTAL
 PANEL JOINT

1/4" - 14 HEX HEAD
FASTENERS WITHOUT WASHER

12 GA. STAINLESS STEEL
HIDDEN FASTENER CLIP
(1 PER PANEL, PER SUPPORT)
SET CLIP IN BUTYL SEALANT

FACTORY FOLDED
TRIMLESS END (1")

VERTICAL JOINT GASKET

PANEL LENGTH MEASURED
FROM HERE

TRIMLESS ENDS AVAILABLE WITH
GRANITSTONE, MICRO-RI B, MINI
MICRO-RI B, AND OPTIMO PANELS
CONTINUOUS BUTYL SEALANT
WITH MARRIAGE BEAD TO
HORIZONTAL PANEL JOINT

OUTSIDE CORNER TRIM

CMU
(NOT BY KINGSPAN)

EXPANDABLE INSULATION
(NOT BY KINGSPAN)

CONTINUOUS BUTYL
SEALANT WITH MARRIAGE
BEAD TO HORIZONTAL
PANEL JOINT

1/4" - 14 HEX HEAD
FASTENERS WITHOUT WASHER

VERTICAL HAT CHANNEL AND
MASONRY FASTENERS
(NOT BY KINGSPAN)

12 GA. STAINLESS STEEL
HIDDEN FASTENER CLIP
(1 PER PANEL, PER SUPPORT)
SET CLIP IN BUTYL SEALANT

CONTINUOUS BUTYL
SEALANT

CONTINUOUS BUTYL
SEALANT AT PANEL
JOINT

1/4" - 14 HEX HEAD
FASTENERS WITHOUT WASHER

12 GA. STAINLESS STEEL
HIDDEN FASTENER CLIP
(1 PER PANEL, PER SUPPORT)
SET CLIP IN BUTYL SEALANT

CONTINUOUS BUTYL
SEALANT

BACKER ROD AND SEALANT
(NOT BY KINGSPAN)

INSIDE CORNER W/
TRIM - OVER CMU

DETAIL #: CI-IC-CMU-03-KSH
DATE: 2018 REV2
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FRAMED OPENING
HEAD W/ DRIP EDGE

DETAIL #: CI-FO-01-KSH
DATE: 2018 REV2
CONTINUOUS BUTYL SEALANT BOTH SIDES OF TRIM W/ MARRIAGE BEAD TO VERTICAL PANEL JOINT

¾" - 14 "LOW PROFILE" FASTENER (AS REQUIRED)

FRAMED OPENING (NOT BY KINGSPAN)

POPC Rivets @ 8" O.C.

BASE TRIM

BASE FLASHING

EXPOSED SEALANT (NOT BY KINGSPAN)

DOOR/WINDOW FRAME AND COMPONENTS (NOT BY KINGSPAN)
FRAMED OPENING HEAD W/ EXTRUSION

DETAIL #: CI-FO-03-KSH
DATE: 2018 REV2

KS SERIES - HORIZONTAL INSTALLATION

CONTINUOUS BUTYL SEALANT BOTH SIDES OF EXTRUSION

3/4" - 14 "LOW PROFILE" FASTENER

FIELD DRILL 3/8" Ø WEEP HOLES (NOT BY KINGSPAN)

TWO PIECE JAMB EXTRUSION BASE

FIELD CUT FEMALE JOINTS WHERE REQUIRED

EXPOSED SEALANT (NOT BY KINGSPAN)

DOOR/WINDOW FRAME AND COMPONENTS (NOT BY KINGSPAN)

TWO PIECE HEAD EXTRUSION CAP

OPTIONAL WIPER GASKET (FIELD INSTALLED)

3/4" - 14 "LOW PROFILE" THROUGH FASTENER

1/4" - 14 "LOW PROFILE" THROUGH FASTENER
TRIM INSTALLATION SEQUENCE:

1. HEADER TRIM (OPTIONAL) & ALL APPLICABLE SEALANTS
2. INTERIOR CAP TRIM & ALL APPLICABLE SEALANTS PRIOR TO INSTALLING THE PANEL AND THROUGH FASTENERS
3. EXTERIOR CAP TRIM
Thin - 14 "LOW PROFILE" THROUGH FASTENER

1. HEADER TRIM (OPTIONAL) & ALL APPLICABLE SEALANTS
2. DRIP FLASHING & ALL APPLICABLE SEALANTS PRIOR TO INSTALLING THE PANEL AND THROUGH FASTENERS
3. EXTERIOR CAP TRIM

CONTINUOUS BUTYL SEALANT BOTH SIDES OF TRIM

FRAMED OPENING (NOT BY KINGSPAN)

FASTENER (NOT BY KINGSPAN)

HEADER TRIM (OPTIONAL)

FIELD CUT FEMALE JOINTS WHERE REQUIRED

EXPOSED SEALANT (NOT BY KINGSPAN)

TRIM INSTALLATION SEQUENCE:
CONTINUOUS BUTYL SEALANT

3/8" - 14 "LOW PROFILE" THROUGH FASTENER

TWO PIECE HEAD EXTRUSION CAP

OPTIONAL WIPER GASKET (FIELD INSTALLED)

FIELD DRILL 3/8" Ø WEEP HOLES (NOT BY KINGSPAN)

TWO PIECE JAMB EXTRUSION BASE

FIELD CUT FEMALE JOINTS WHERE REQUIRED

EXPOSED SEALANT (NOT BY KINGSPAN)

KS SERIES - HORIZONTAL INSTALLATION

FRAMED OPENING

OVERHEAD DOOR - HEAD EXTRUSION

DETAIL #: CI-FO-06-KSH

DATE: 2018 REV2

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INTERIOR CAP TRIM
POP RIVETS
FRAMED OPENING
(NOT BY KINGSPAN)
DOOR/WINDOW FRAME AND COMPONENTS
( NOT BY KINGSPAN)
EXTERIOR CAP TRIM
DOOR/WINDOW FRAME
AND COMPONENTS
( NOT BY KINGSPAN)
1 4 - 14 HEX HEAD FASTENERS WITHOUT WASHER
CONTINUOUS BUTYL SEALANT
BOTH SIDES OF TRIM W/MARRIAGE BEAD TO HORIZONTAL PANEL JOINT
INTERIOR CAP TRIM
EXPOSED SEALANT
( NOT BY KINGSPAN)
POP RIVETS
FIELD CUT PANELS WHERE REQUIRED
12 GA. STAINLESS STEEL HIDDEN FASTENER CLIP
(1 PER PANEL, PER SUPPORT) SET CLIP IN BUTYL SEALANT
POP RIVETS @ 8" O.C.
EXTERIOR CAP TRIM
FRAMED OPENING
JAMB - 2-PIECE TRIM
DETAIL #: CI-FO-07-KSH
DATE: 2018 REV2
FRAMED OPENING
(NOT BY KINGSPAN)

DOOR/WINDOW FRAME
AND COMPONENTS
(NOT BY KINGSPAN)

CONTINUOUS BUTYL
SEALANT

EXPOSED SEALANT
(NOT BY KINGSPAN)

FIELD CUT PANELS WHERE
REQUIRED

1/4" - 14 "LOW PROFILE"
FASTENER (AS REQUIRED)

1/4" - 14 HEX HEAD
FASTENERS WITHOUT WASHER

CONTINUOUS BUTYL SEALANT W/
MARRIAGE BEAD TO HORIZONTAL
PANEL JOINT

POP RIVETS @ 8" O.C.

12 GA. STAINLESS STEEL
HIDDEN FASTENER CLIP
(1 PER PANEL, PER SUPPORT)
SET CLIP IN BUTYL SEALANT
CAP TRIM
KS SERIES - HORIZONTAL INSTALLATION

FRAMED OPENING (NOT BY KINGSPAN)

EXTERIOR CAP TRIM

CONTINUOUS BUTYL SEALANT W/ MARRIAGE BEAD TO VERTICAL PANEL JOINT

POP RIVETS @ 8" O.C.

DOOR/WINDOW FRAME AND COMPONENTS (NOT BY KINGSPAN)

CONTINUOUS BUTYL SEALANT

EXPOSED SEALANT (NOT BY KINGSPAN)

¾" - 14 "LOW PROFILE" FASTENER (AS REQUIRED)
KS SERIES - HORIZONTAL INSTALLATION

FRAMED OPENING
AND COMPONENTS
(NOT BY KINGSPAN)

1/4" - 14" LOW PROFILE" FASTENER

CONTINUOUS BUTYL SEALANT
BOTH SIDES OF EXTRUSION
W/ MARRIAGE BEAD TO
HORIZONTAL PANEL JOINT

DOOR/WINDOW FRAME
AND COMPONENTS
(NOT BY KINGSPAN)

TWO PIECE JAMB
EXTRUSION BASE

FIELD CUT PANELS WHERE
REQUIRED

TWO PIECE JAMB
EXTRUSION CAP

EXPOSED SEALANT
(NOT BY KINGSPAN)

12 GA. STAINLESS STEEL
HIDDEN FASTENER CLIP
(1 PER PANEL, PER SUPPORT)
SET CLIP IN BUTYL SEALANT

OPTIONAL WIPER
GASKET
(FIELD INSTALLED)

FRAMED OPENING
(NOT BY KINGSPAN)

FRAMED OPENING
JAMB - EXTRUSION

DETAIL #: CI-FO-10-KSH
DATE: 2018 REV2

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TRIM INSTALLATION SEQUENCE:

1. JAMB TRIM (OPTIONAL) & ALL APPLICABLE SEALANTS
2. INTERIOR CAP TRIM & ALL APPLICABLE SEALANTS PRIOR TO INSTALLING THE PANEL AND THROUGH FASTENERS
3. EXTERIOR CAP TRIM
FRAMED OPENING
OVERHEAD DOOR - JAMB EXTRUSION

DETAIL #: CI-FO-12-KSH
DATE: 2018 REV2

CONTINUOUS BUTYL SEALANT

EXPOSED SEALANT (NOT BY KINGSPAN)

12 GA. STAINLESS STEEL HIDDEN FASTENER CLIP (1 PER PANEL, PER SUPPORT) SET CLIP IN BUTYL SEALANT

FIELD CUT PANELS WHERE REQUIRED

CONTINUOUS BUTYL SEALANT WITH MARRIAGE BEAD TO HORIZONTAL PANEL JOINT

TWO PIECE JAMB EXTRUSION CAP

TWO PIECE JAMB EXTRUSION BASE

CONTINUOUS BUTYL SEALANT

FASTENER (NOT BY KINGSPAN)

FRAMED OPENING (NOT BY KINGSPAN)

3/8" - 14 "LOW PROFILE" FASTENER

3/8" - 14 HEX HEAD FASTENERS WITHOUT WASHER

JAMB TRIM (OPTIONAL)

OPTIONAL WIPER GASKET (FIELD INSTALLED)
EXTERIOR CAP TRIM

POP RIVETS @ 8" O.C.

14" - 14 "LOW PROFILE" THROUGH FASTENER

EXPOSED SEALANT
(Not by Kingspan)

FIELD CUT MALE JOINTS
WHERE REQUIRED

CONTINUOUS BUTYL SEALANT

POP RIVETS

EXTERIOR CAP TRIM

DOOR/WINDOW FRAME
AND COMPONENTS
(Not by Kingspan)

FRAMED OPENING
(NOT BY KINGSPAN)

CONTINUOUS BUTYL
SEALANT BOTH
SIDES OF TRIM

INTERIOR CAP TRIM

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FRAME OPENING - SILL
2-PIECE TRIM

DETAIL #: CI-FO-13-KSH
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KS SERIES - HORIZONTAL INSTALLATION

CONTINUOUS BUTYL SEALANT

EXPOSED SEALANT (NOT BY KINGSPAN)

FIELD CUT MALE JOINTS WHERE REQUIRED

EXTERIOR CAP TRIM

POP RIVETS @ 8" O.C.

\( 1/4" - 14 \) "LOW PROFILE" THROUGH FASTENER

FIELD BEND (AS REQUIRED)

\( 1/2" - 14 \) "LOW PROFILE" FASTENER (AS REQUIRED)

FRAMED OPENING (NOT BY KINGSPAN)

DOOR/WINDOW FRAME AND COMPONENTS (NOT BY KINGSPAN)

CONTINUOUS BUTYL SEALANT

FRAMED OPENING - SILL

1- PIECE TRIM

DETAIL #: CI-F0-14-KSH

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CONTINUOUS BUTYL SEALANT

EXPOSED SEALANT
( NOT BY KINGSPAN )

SILL EXTRUSION

FIELD CUT MALE JOINTS
WHERE REQUIRED

1/4" - 14 "LOW PROFILE"
THROUGH FASTENER

CONTINUOUS BUTYL SEALANT

DOOR/WINDOW FRAME
AND COMPONENTS
( NOT BY KINGSPAN )

1/4" - 14 "LOW PROFILE"
FASTENER

FRAMED OPENING
( NOT BY KINGSPAN )

OPTIONAL WIPER
GASKET
(FIELD INSTALLED)
TRIM INSTALLATION SEQUENCE:
1. INTERIOR JAMB TRIM
2. INTERIOR HEAD TRIM WITH TABS DOWN
3. SILL TRIM WITH TABS UP
4. EXTERIOR JAMB TRIM
5. EXTERIOR HEAD TRIM
6. EXTERIOR SEALANTS AS REQUIRED

FIELD NOTCH AND OVERLAP TRIMS, POP RIVET AND SEAL AS NECESSARY (NOT BY KINGSPAN)
FIELD MITER AND OVERLAP TRIMS, POP RIVET AS NECESSARY (NOT BY KINGSPAN)
FIELD CUT/NOTCH CAP TRIM AT CORNERS TO ALLOW FOR LAP (NOT BY KINGSPAN)
FIELD METER AND OVERLAP TRIMS, POP RIVET AND SEAL AS NECESSARY (NOT BY KINGSPAN)
EXTRUSION INSTALLATION SEQUENCE:

1. TWO PIECE JAMB EXTRUSION BASE
2. TWO PIECE HEAD EXTRUSION BASE
3. TWO PIECE HEAD EXTRUSION CAP
4. TWO PIECE JAMB EXTRUSION CAP
5. SILL EXTRUSION
6. EXTERIOR SEALANTS AS REQUIRED
CONTINUOUS CLEAT
WRAP MEMBRANE
(NOT BY KINGSPAN)
ADHERE TO EXTERIOR
PANEL FACE
PARAPET BLOCKING
AND STRUCTURAL
COMPONENTS
(NOT BY KINGSPAN)
MEMBRANE ROOF &
PARAPET BACKER
(NOT BY KINGSPAN)

FASTENER TO PARAPET
BACKER (NOT BY KINGSPAN)

FIELD CUT MALE JOINTS
WHERE REQUIRED
WRAP MEMBRANE
(NOT BY KINGSPAN)
ADHERE TO EXTERIOR
PANEL FACE
PARAPET CAP

\( \frac{3}{8} \)" - 14 "LOW PROFILE"
FASTENER @ 8" O.C.
CONTINUOUS CLEAT

\( \frac{3}{8} \)" - 14 "LOW PROFILE"
THROUGH FASTENER

MEMBRANE ROOF &
PARAPET BACKER
(NOT BY KINGSPAN)

KS SERIES - HORIZONTAL INSTALLATION
PARAPET - FIELD CUT
PANEL -
FLUSH TRIM

DETAIL #: CI-PR-01-KSH
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KS SERIES - HORIZONTAL INSTALLATION

FIELD CUT MALE JOINTS WHERE REQUIRED

WRAP MEMBRANE (NOT BY KINGSPAN) ADHERE TO EXTERIOR PANEL FACE

POP RIVET @ 8" O.C.

1/4" - 14 HEX HEAD FASTENERS WITHOUT WASHER

CONTINUOUS BUTYL SEALANT

PARAPET BLOCKING AND STRUCTURAL COMPONENTS (NOT BY KINGSPAN)

FASTENER TO PARAPET BACKER (NOT BY KINGSPAN)

PARAPET BACKER (NOT BY KINGSPAN)

PARAPET - FIELD CUT PANEL - PROFILED TRIM

DETAIL #: CI-PR-02-KSH
DATE: 2018 REV2
CONTINUOUS CLEAT
WRAP MEMBRANE
ADHERE TO EXTERIOR PANEL FACE

1/4" - 14 "LOW PROFILE" FASTENER @ 8" O.C.
CONTINUOUS CLEAT

1/4" - 14 HEX HEAD FASTENERS WITHOUT WASHER

PARAPET CAP
12 GA. STAINLESS STEEL HIDDEN FASTENER CLIP (1 PER PANEL, PER SUPPORT) SET CLIP IN BUTYL SEALANT

WRAP MEMBRANE (NOT BY KINGSPAN) ADHERE TO EXTERIOR PANEL FACE

MEMBRANE ROOF & PARAPET BACKER (NOT BY KINGSPAN)

PARAPET BLOCKING AND STRUCTURAL COMPONENTS (NOT BY KINGSPAN)

CONTINUOUS BUTYL SEALANT

FASTENER TO PARAPET BACKER (NOT BY KINGSPAN)

PARAPET - PANEL JOINT FLUSH TRIM

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POP RIVET @ 8" O.C.

WRAP MEMBRANE (NOT BY KINGSPAN) ADHERE TO EXTERIOR PANEL FACE

12 GA. STAINLESS STEEL HIDDEN FASTENER CLIP (1 PER PANEL, PER SUPPORT) SET CLIP IN BUTYL SEALANT

CONTINUOUS BUTYL SEALANT

FASTENER TO PARAPET BACKER (NOT BY KINGSPAN)

PARAPET BLOCKING AND STRUCTURAL COMPONENTS (NOT BY KINGSPAN)

PARAPET BACKER (NOT BY KINGSPAN)

¼" - 14 HEX HEAD FASTENERS WITHOUT WASHER

14 HEX HEAD FASTENERS WITHOUT WASHER

PARAPET - PANEL JOINT PROFILED TRIM

DETAIL #: CI-PR-04-KSH

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PARAPET EXTRUSION

OPTIONAL WIPER GASKET (FIELD INSTALLED)

WRAP MEMBRANE (NOT BY KINGSPAN)

12 GA. STAINLESS STEEL HIDDEN FASTENER CLIP (1 PER PANEL, PER SUPPORT) SET CLIP IN BUTYL SEALANT

¾" - 14 HEX HEAD FASTENERS WITHOUT WASHER

¾" - 14 "LOW PROFILE" THROUGH FASTENER

CONTINUOUS BUTYL SEALANT

FASTENER TO PARAPET BACKER (NOT BY KINGSPAN)

FRAMING (NOT BY KINGSPAN)

PARAPET CAP TRIM

MEMBRANE ROOF & PARAPET BACKER (NOT BY KINGSPAN)

PARAPET - PANEL JOINT EXTRUSION

DETAIL #: CI-PR-05-KSH

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(2) BEADS BUTYL SEALANT

8" LONG LAP STRIP

NOM. 1/4" GAP

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PARAPET - LAP STRIP INSTALLATION

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CONTINUOUS BUTYL SEALANT

BASE TRIM W/ POP RIVETS @ 8" O.C.

MEMBRANE ROOF AND ACCESSORIES (NOT BY KINGSPAN)

1/4" - 14 "LOW PROFILE" THROUGH FASTENER W/ 1 1/2" BONDED WASHER

BASE FLASHING

VERTICAL STRUCTURAL SUPPORTS (NOT BY KINGSPAN)

WALL TO ROOF

DETAIL #: CI-WR-01-KSH

DATE: 2018 REV2
CONTINUOUS BUTYL SEALANT

BASE TRIM W/ POP RIVETS

MEMBRANE ROOF, FRAMING AND ACCESSORIES (NOT BY KINGSPAN)

BASE FLASHING W/ TRIM FASTENERS @ 8" O.C.

MIN 6"

MEMBRANE (NOT BY KINGSPAN)

CONTINUOUS BUTYL SEALANT

CAP TRIM W/ TRIM FASTENERS @ 8" O.C.

VERTICAL SUPPORTS (NOT BY KINGSPAN)

1/4" - 14 "LOW PROFILE" THROUGH FASTENER W/ 1 1/4" BONDED WASHER

CONTINUOUS WALL AT ROOF / CANOPY

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KS SERIES - HORIZONTAL INSTALLATION

- Fill void with compressible foam closure
- Field drill $\frac{3}{8}$" Ø weep holes (not by Kingspan)
- Soffit extrusion "A"
  - 2" - DIE #13883
  - 2½" - DIE #13884
  - 3" - DIE #13885
  - 4" - DIE #13886
- Continuous butyl sealant at panel joint
- Continuous butyl sealant
- $\frac{3}{8}$" - 14 "Low Profile" through fastener
- Optional wiper gasket (field installed)

WALL TO SOFFIT W/ SOFFIT EXTRUSION "A"
CONTINUOUS BUTYL SEALANT

1/4" - 14 "LOW PROFILE" THROUGH FASTENER

CONTINUOUS BUTYL SEALANT AT WARM SIDE OF PANEL

SOFFIT EXTRUSION "B"
2" - DIE#13917
2 1/2" - DIE# 13918
3" - DIE# 13919
4" - DIE# 13920

FILL VOID WITH COMPRESSIBLE FOAM CLOSURE

KS SERIES - HORIZONTAL INSTALLATION

WALL TO SOFFIT W/ SOFFIT EXTRUSION "B"

DETAIL #: CI-SO-02-KSH
DATE: 2018 REV2

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NOTE: VERTICAL SUPPORT FRAMING MAY VARY. SEE CI-VJ-21-KSH FOR ALTERNATE CONDITION.

VERTICAL SUPPORT

CONTINUOUS BUTYL SEALANT WITH MARRIAGE BEAD TO HORIZONTAL PANEL JOINT

CONTINUOUS MENDING PLATE

FILL VOIDS WITH EXPANDABLE INSULATION (NOT BY KINGSPAN)

¼" - 14 HEX HEAD FASTENERS WITHOUT WASHER

CONTINUOUS BUTYL SEALANT AT PANEL JOINT

POP RIVETS @ 8" O.C.

"TOP HAT" VERTICAL REVEAL TRIM

12 GA. STAINLESS STEEL HIDDEN FASTENER CLIP (1 PER PANEL, PER SUPPORT) SET CLIP IN BUTYL SEALANT
KS SERIES - HORIZONTAL INSTALLATION

VERTICAL SUPPORT

FILL VOIDS WITH EXPANDABLE INSULATION (NOT BY KINGSPAN)

CONTINUOUS MENDING PLATE

CONTINUOUS BUTYL SEALANT

MARRIAGE BEAD TO PANEL JOINT

12 GA STAINLESS STEEL HIDDEN FASTENER CLIP

¼" - 14 HEX HEAD FASTENERS WITHOUT WASHER

POP RIVETS @ 8" O.C.

"TOP HAT" VERTICAL REVEAL TRIM W/ POP RIVETS

5" MIN

DETAIL #: CI-VJ-02-KSH
DATE: 2018 REV2

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VERTICAL JOINT W/ TRIM ISOMETRIC
NOTE: VERTICAL SUPPORT FRAMING MAY VARY.
SEE CI-VJ-21-KSH FOR ALTERNATE CONDITION.

CONTINUOUS BUTYL SEALANT
WITH MARRIAGE BEAD TO
HORIZONTAL PANEL JOINT

CONTINUOUS MENDING
PLATE

FILL VOIDS WITH EXPANDABLE
INSULATION (NOT BY KINGSSPAN)

¼" - 14 HEX HEAD
FASTENERS WITHOUT WASHER

12 GA. STAINLESS STEEL
HIDDEN FASTENER CLIP
(1 PER PANEL, PER SUPPORT)
SET CLIP IN BUTYL SEALANT

VERTICAL JOINT GASKET

CONTINUOUS BUTYL
SEALANT AT PANEL JOINT

FACTORY FOLDED
TRIMLESS END (1")

PANEL LENGTH MEASURED
FROM HERE

PANEL LENGTH MEASURED
FROM HERE

TRIMLESS ENDS AVAILABLE WITH
GRANITSTONE, MICRO-RIB, MINI
MICRO-RIB, AND OPTIMO PANELS

DETAIL #: CI-VJ-03-KSH
DATE: 2018 REV2
KS SERIES - HORIZONTAL INSTALLATION

12 GA STAINLESS STEEL HIDDEN FASTENER CLIP

GAPS ARE FACTORY FILLED WITH MATCHING SEALANT

VERTICAL JOINT GASKET

CONTINUOUS BUTYL SEALANT

MARRIAGE BEAD TO PANEL JOINT

CONTINUOUS MENDING PLATE

VERTICAL SUPPORT

FILL VOIDS WITH EXPANDABLE INSULATION (NOT BY KINGSPAN)

TRIMLESS ENDS AVAILABLE WITH GRANITSTONE, MICRO-RIB, MINI MICRO-RIB, AND OPTIMO PANELS

GAPS ARE FACTORY FILLED WITH MATCHING SEALANT

TRIMLESS ENDS AVAILABLE WITH GRANITSTONE, MICRO-RIB, MINI MICRO-RIB, AND OPTIMO PANELS

DETAIL #: CI-VJ-04-KSH

DATE: 2018 REV2

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NOTE: VERTICAL SUPPORT FRAMING MAY VARY. SEE CI-VJ-21-KSH FOR EXAMPLE OF ALTERNATE CONDITION.

5" MIN.

VIRTUAL SUPPORT

CONTINUOUS BUTYL SEALANT WITH MARRIAGE BEAD TO HORIZONTAL PANEL JOINT

CONTINUOUS MENDING PLATE

CONTOINUOUS BUTYL SEALANT AT PANEL JOINT

ALUMINUM TOP HAT JOINT EXTRUSION

BLACK EPDM GASKET

1/4" - 14 HEX HEAD FASTENERS WITH WASHER

FILL VOIDS WITH EXPANDABLE INSULATION (NOT BY KINGSPAN)

1/4" - 14 HEX HEAD FASTENERS WITHOUT WASHER

12 GA. STAINLESS STEEL HIDDEN FASTENER CLIP (1 PER PANEL, PER SUPPORT) SET CLIP IN BUTYL SEALANT

PVC FOAM GASKET

ALUMINUM JOINT EXTRUSION ALTERNATIVES

ALUMINUM FLUSH INSERT

ALUMINUM RECESSED INSERT

KS SERIES - HORIZONTAL INSTALLATION

VERTICAL JOINT W/ EXTRUSION

DETAIL #: CI-VJ-05-KSH

DATE: 2018 REV2
VERTICAL SUPPORT

CONTINUOUS MENDING PLATE

CONTINUOUS BUTYL SEALANT WITH MARRIAGE BEAD TO HORIZONTAL PANEL JOINT

CONTINUOUS BUTYL SEALANT AT PANEL JOINT

FOR VERTICAL JOINT OPTIONS SEE CI-VJ-16-KSH, CI-VJ-17-KSH, OR CI-VJ-18-KSH.

12 GA. STAINLESS STEEL HIDDEN FASTENER CLIP (1 PER PANEL, PER SUPPORT) SET CLIP IN BUTYL SEALANT

FACTORY FOLDED TRIMLESS END (1")

FILL VOIDS WITH EXPANDABLE INSULATION (NOT BY KINGSPAN)

¾" - 14 HEX HEAD FASTENERS WITHOUT WASHER

TRIMLESS ENDS AVAILABLE WITH GRANITSTONE, MICRO-RIB, MINI MICRO-RIB, AND OPTIMO PANELS

KS SERIES - HORIZONTAL INSTALLATION

DETAIL #: CI-VJ-06-KSH
DATE: 2018 REV2
CONTINUOUS BUTYL SEALANT

LOW EAVE TRIM

POP RIVETS @ 8" O.C.

FILL VOIDS WITH EXPANDABLE INSULATION (NOT BY KINGSPAN)

\(\frac{3}{4}\)" - 14 "LOW PROFILE" THROUGH FASTENER W/ 1 \(\frac{1}{8}\)" BONDED WASHER

SEE ROOF DETAILS FOR ROOF NOTES

WALL TO ROOF - LOW EAVE NO GUTTER

DETAIL #: CI-EV-01-KSH

DATE: 2018 REV2
WALL TO ROOF - LOW EAVE W/ GUTTER

KS SERIES - HORIZONTAL INSTALLATION

SEE ROOF DETAILS FOR ROOF NOTES

GUTTER TRIM
EAVE CLOSURE TRIM (PRE-ASSEMBLED TO GUTTER)
POP RIVETS @ 8" O.C.

FILL VOIDS WITH EXPANDABLE INSULATION (NOT BY KINGSPAN)

CONTINUOUS BUTYL SEALANT

¾" - 14 "LOW PROFILE" THROUGH FASTENER W/ 1 ⅛" BONDED WASHER

KS SERIES - HORIZONTAL INSTALLATION
WALL TO ROOF - LOW EAVE W/ GUTTER

DETAIL #: CI-EV-02-KSH
DATE: 2018 REV2

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See roof details for roof notes

High Eave Trim

Fill voids with expandable insulation (not by Kingspan)

Pop rivets @ 8" O.C.

3/4" - 14" low profile through fastener w/ 1 3/8" bonded washer

Continuous butyl sealant

Wall to roof - High Eave

Detail #: CI-EV-03-KSH
Date: 2018 Rev2
RAKE FASCIA

POP RIVETS @ 8" O.C.

CONTINUOUS BUTYL SEALANT

SHEETING OR RAKE ANGLE REQUIRED (NOT BY KINGSPAN)

CONTINUOUS BUTYL SEALANT

1 4 - 14 "LOW PROFILE" THROUGH FASTENER W/ 1 8" BONDED WASHER

FILL VOIDS WITH EXPANDABLE INSULATION (NOT BY KINGSPAN)

SEE ROOF DETAILS FOR ROOF NOTES

WALL TO ROOF - RAKE

DETAIL #: CI-RK-04-KSH

DATE: 2018 REV2
KS SERIES - HORIZONTAL INSTALLATION

TRIM LAP DETAILS
W/ DRIP EDGE

(2) BEADS
BUTYL SEALANT

MIN. 3" TRIM LAP

MIN. 3" TRIM LAP
MIN. 3" TRIM LAP

FIELD NOTCH HEM(S) AS REQUIRED (NOT BY KINGSPAN)

(2) BEADS BUTYL SEALANT

MIN. 3" TRIM LAP

KS SERIES - HORIZONTAL INSTALLATION

TRIM LAP DETAILS W/ HEM

DETAIL #: CI-TL-02-KSH
DATE: 2018 REV2
KS SERIES - HORIZONTAL INSTALLATION

MENDING PLATE
SHINGLE LAP

(2) BEADS
BUTYL SEALANT

MIN. 3"
TRIM LAP

(2) BEADS
BUTYL SEALANT

DETAIL #: CI-TL-03-KSH
DATE: 2018 REV2
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KS SERIES - HORIZONTAL INSTALLATION

TWO PIECE OPENING EXTRUSION CAP
DIE #13943

2 1/2" TWO PIECE OPENING EXTRUSION BASE
DIE #13940

PARAPET EXTRUSION
DIE #13938

OPTIONAL WIPER GASKET
(FIELD INSTALLED)

CORNER EXTRUSION CAP
DIE #14008

2 1/2" CORNER EXTRUSION BASE
DIE #14103

2 1/2" PANEL BASE "A"
EXTRUSION
DIE #13872

2 1/2" PANEL BASE "C"
EXTRUSION
DIE #13880

SILL EXTRUSION
DIE #13937

2 1/2" SOFFIT EXTRUSION "A"
DIE #13884

2 1/2" SOFFIT EXTRUSION "B"
DIE #13918

VERTICAL JOINT EXTRUSIONS

TOP HAT EXTRUSION
DIE #13950-A

FLUSH INSERT
DIE #13951

RECESSED TOP HAT EXTRUSION
DIE #13949-A

RECESSED INSERT
DIE #14101

KS SERIES
2.5" EXTRUSIONS

DETAIL #: CI-EX-02-KSH
DATE: 2018 REV2

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