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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 - VERTICAL 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"

EMBOSSING:
EXTERIOR: STUCCO / SMOOTH*
INTERIOR: STUCCO / SMOOTH

PANEL ORIENTATION: VERTICAL

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

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"

EMBOSSING:
EXTERIOR: STUCCO / SMOOTH*
INTERIOR: STUCCO / SMOOTH

PANEL ORIENTATION: VERTICAL

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

PANEL PROFILES

DETAIL #: CI-PP-01-KSV

DATE: 2018 REV2
KS SERIES - VERTICAL INSTALLATION

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

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

STANDARD GAUGES:
EXTERIOR: (REFER TO PROFILE)
INTERIOR: 26, 24, 22

INTERIOR FACE
SHADOWLINE
MALE JOINT
2" - 6"

FEMALE JOINT

EXTERIOR FACE
MINI-WAVE
42" COVERAGE (36", 30", & 24" OPTIONAL)

KS MINI WAVE (MW)

INTERIOR FACE
SHADOWLINE
MALE JOINT
2" - 6"

FEMALE JOINT

EXTERIOR FACE
FLAT
42" COVERAGE (36", 30", & 24" OPTIONAL)

KS SL FLAT

INTERIOR FACE
SHADOWLINE
MALE JOINT
2" - 6"

FEMALE JOINT

EXTERIOR FACE
GRANITSTONE / QUARTZ
42" COVERAGE (36", 30", & 24" OPTIONAL)

KS GRANITSTONE/QUARTZ (GS)

INTERIOR FACE
SHADOWLINE
MALE JOINT
2" - 6"

FEMALE JOINT

EXTERIOR FACE
FLAT
40" COVERAGE (24", 30", 36" OPTIONAL)

KS OPTIMO (OPE or OPS)

NOTE:
MAX LENGTH:
EMBOSSED: 32'-0"
SMOOTH: 20'-0"
KS SERIES - VERTICAL INSTALLATION

HORIZONTAL SUPPORT
(NOT BY KINGSPAN)

MALE JOINT

FEMALE JOINT

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

⅜" - 14 HEX HEAD
FASTENERS WITHOUT WASHER

CONTINUOUS BUTYL SEALANT

CONTINUOUS BUTYL SEALANT
(OPTIONAL)

WALL PANEL INSTALLATION DIRECTION
KS SERIES - VERTICAL INSTALLATION

HORIZONTAL SUPPORT
(NOT BY KINGSPAN)

1/2" - 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

NOTE:
CONTACT KINGSPAN TECHNICAL SERVICES
FOR SPECIFIC PROJECT RECOMMENDATIONS

INTERMEDIATE SUPPORT

DETAIL #: CI-PJ-03-KSV
DATE: 2018 REV2

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www.kingspanpanels.ca
KS SERIES - VERTICAL INSTALLATION

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

POP RIVETS @ 8" O.C.

BASE TRIM

BASE FLASHING

CONTINUOUS BUTYL SEALANT BELOW BASE FLASHING

1/4" - 14 HEX HEAD FASTENERS WITHOUT WASHER

CONTINUOUS BUTYL SEALANT

BASE ANGLE W/ MIN. 3" VERT. LEG FOR PANEL ATTACHMENT, BASE CHANNEL SET IN SEALANT (NOT BY KINGSPAN)

FASTENER TO CONCRETE (NOT BY KINGSPAN)

SEALANT MARRIAGE BEAD TO VERTICAL PANEL JOINT

NOTE: SEE DETAIL CI-TL-01-KSV AND CI-TL-02-KSV FOR TYPICAL TRIM LAP INSTRUCTIONS

FLUSH BASE

DETAIL #: CI-BS-01-KSV
DATE: 2018 REV2
KS SERIES - VERTICAL INSTALLATION

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

POP RIVETS @ 8" O.C.

BASE TRIM

BASE FLASHING

CONTINUOUS BUTYL SEALANT BELOW BASE FLASHING

3/4" - 14 HEX HEAD FASTENERS WITHOUT WASHER

CONTINUOUS BUTYL SEALANT W/ MARRIAGE BEAD TO VERTICAL PANEL JOINT

BASE ANGLE W/ MIN. 3" VERT. LEG FOR PANEL ATTACHMENT, BASE CHANNEL SET IN SEALANT (NOT BY KINGSPAN)

FASTENER TO CONCRETE (NOT BY KINGSPAN)

CONTINUOUS BUTYL SEALANT

NOTE: SEE DETAIL CI-TL-01-KSV AND CI-TL-02-KSV FOR TYPICAL TRIM LAP INSTRUCTIONS

BASE AT NOTCHED CONCRETE

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

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

POP RIVETS @ 8" O.C.

BASE TRIM

⅛" - 14 HEX HEAD FASTENERS WITHOUT WASHER

CONTINUOUS BUTYL SEALANT W/MARRIAGE BEAD TO VERTICAL PANEL JOINT

BASE ANGLE W/MIN. 3" VERT. LEG FOR PANEL ATTACHMENT, BASE CHANNEL SET IN SEALANT (NOT BY KINGSPAN)

FASTENER TO CONCRETE (NOT BY KINGSPAN)

NOTE: SEE DETAIL CI-TL-01-KSV AND CI-TL-02-KSV FOR TYPICAL TRIM LAP INSTRUCTIONS
KS SERIES - VERTICAL INSTALLATION

NOTE: SEE DETAIL CI-TL-01-KSV AND CI-TL-02-KSV FOR TYPICAL TRIM LAP INSTRUCTIONS

OVERHANG WITH BASE ANGLE

DETAIL #: CI-BS-04-KSV
DATE: 2018 REV2
OVERHANG WITH BASE "J" EXTRUSION

DETAIL #: CI-BS-05-KSV
DATE: 2018 REV2

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www.kingspanpanels.ca
KS SERIES - VERTICAL INSTALLATION

OUTSIDE CORNER TRIM

WILL VARY WITH FIELD CONDITION

FIELD CUT

CONTINUOUS BUTYL SEALANT

POP RIVETS @ 8" O.C.

CONTINUOUS BUTYL SEALANT

OUTSIDE CORNER TRIM

EXPANDABLE INSULATION AS REQUIRED (NOT BY KINGSPAN)

3/4" - 14 THROUGH FASTENERS W/ 1 3/4" BONDED WASHER (AS REQUIRED FOR WIND LOAD)

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

ATTACHMENT CLIP (NOT BY KINGSPAN)

INSIDE CORNER TRIM

CONTINUOUS BUTYL SEALANT

HORIZONTAL SUPPORT (NOT BY KINGSPAN)

WILL VARY WITH FIELD CONDITION

FIELD CUT

1 4" - 14 THROUGH FASTENERS W/ 1 3/8" BONDED WASHER (AS REQUIRED FOR WIND LOAD)

KS SERIES - VERTICAL INSTALLATION

OUTSIDE CORNER WITH PROFILED TRIM

DETAIL #: CI-OC-01-KSV

DATE: 2018 REV2

Kingspan.
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www.kingspanpanels.ca
OUTSIDE CORNER TRIM

EXPANDABLE INSULATION AS REQUIRED (NOT BY KINGSPAN)

¾" - 14 "LOW PROFILE" THROUGH FASTENER WITH 1½" BONDED WASHER (AS REQUIRED FOR WIND LOAD)

CONTINUOUS BUTYL SEALANT

CONTINUOUS BUTYL SEALANT

HORIZONTAL SUPPORT (NOT BY KINGSPAN)

OUTSIDE CORNER TRIM WITH FLAT TRIM

DETAL #: CI-OC-02-KSV
DATE: 2018 REV2

CONTINUOUS BUTYL SEALANT

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

ATTACHMENT CLIP (NOT BY KINGSPAN)

INSIDE CORNER TRIM

CONTINUOUS BUTYL SEALANT

HORIZONTAL SUPPORT (NOT BY KINGSPAN)

WILL VARY WITH FIELD CONDITION

WILL VARY WITH FIELD CONDITION

FIELD CUT

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

POC RIVETS @ 8" O.C.

POC RIVETS @ 8" O.C.

CONTINUOUS BUTYL SEALANT

CONTINUOUS BUTYL SEALANT

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

ATTACHMENT CLIP (NOT BY KINGSPAN)

INSIDE CORNER TRIM

CONTINUOUS BUTYL SEALANT

HORIZONTAL SUPPORT (NOT BY KINGSPAN)
KS SERIES - VERTICAL INSTALLATION

OUTSIDE CORNER W/ EXTRUSION

DETAIL #: CI-OC-03-KSV
DATE: 2018 REV2
KS SERIES - VERTICAL INSTALLATION

INSIDE CORNER
WITH PROFILED TRIM

OUTSIDE CORNER TRIM

EXPANDABLE INSULATION AS REQUIRED (NOT BY KINGSPAN)

CONTINUOUS BUTYL SEALANT

$\frac{3}{4}''$ PHI. PAN HEAD @ 8" O.C.

FIELD CUT

WILL VARY WITH FIELD CONDITION

CONTINUOUS BUTYL SEALANT

BUTYL SEALANT APPLIED AT FASTENER LOCATIONS

$\frac{3}{4}''$ PHI. PAN HEAD

3/16" THROUGH FASTENERS W/ 1/8" BONDED WASHER (AS REQUIRED FOR WIND LOAD)

HORIZONTAL SUPPORT (NOT BY KINGSPAN)

CONTINUOUS BUTYL SEALANT

INSIDE CORNER TRIM

POW RIVETS @ 8" O.C.

DETAIL #: CI-IC-01-KSV
DATE: 2018 REV2

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www.kingspanpanels.ca
KS SERIES - VERTICAL INSTALLATION

- 3/8" - 14 "LOW PROFILE" THROUGH FASTENER WITH 1 1/2" BONDED WASHER (AS REQUIRED FOR WIND LOAD)
- CONTINUOUS BUTYL SEALANT
- 3/4" PHIL. PAN HEAD @ 8" O.C.
- INSIDE CORNER TRIM
- OUTSIDE CORNER TRIM
- EXPANDABLE INSULATION AS REQUIRED (NOT BY KINGSPAN)
- CONTINUOUS BUTYL SEALANT
- HORIZONTAL SUPPORT (NOT BY KINGSPAN)
- POP RIVETS @ 8" O.C.

DETAIL #: CI-IC-02-KSV
DATE: 2018 REV2

INSIDE CORNER WITH FLAT TRIM

WILL VARY WITH FIELD CONDITION
FIELD CUT

WILL VARY WITH FIELD CONDITION

CONTINUOUS BUTYL SEALANT

HORIZONTAL SUPPORT (NOT BY KINGSPAN)

3/8" - 14 "LOW PROFILE" THROUGH FASTENER WITH 1 1/2" BONDED WASHER (AS REQUIRED FOR WIND LOAD)
KS SERIES - VERTICAL INSTALLATION

1/4" - 14 "LOW PROFILE" FASTENER

VERTICAL SUPPORT (NOT BY KINGSPAN)

CONTINUOUS BUTYL SEALANT

CORNER EXTRUSION BASE

EXPANDABLE INSULATION AS REQUIRED (NOT BY KINGSPAN)

CONTINUOUS BUTYL SEALANT

1/4" - 14 "LOW PROFILE" THROUGH FASTENER WITH 1/8" BONDED WASHER (AS REQUIRED FOR WIND LOAD)

CORNER EXTRUSION CAP

INSIDE CORNER WITH EXTRUSION

DETAIL #: CI-IC-03-KSV
DATE: 2018 REV2

www.kingspanpanels.us
www.kingspanpanels.ca
EXTERIOR CAP TRIM

POP RIVETS
@ 8" O.C.

4" - 14 "LOW PROFILE"
THROUGH FASTENER @ 12" O.C.

FIELD DRILL 3/8" WEEP HOLES
TO ALIGN WITH PANEL JOINTS

EXPOSED SEALANT
(NOT BY KINGSPAN)

CONTINUOUS BUTYL SEALANT
IN VERTICAL PANEL JOINT

CONTINUOUS BUTYL SEALANT
BOTH SIDES OF TRIM W/
MARRIAGE BEAD TO
VERTICAL PANEL JOINT

INTERIOR CAP TRIM

FRAMED OPENING
(NOT BY KINGSPAN)

CONTINUOUS BUTYL SEALANT
IN VERTICAL PANEL JOINT

DOOR/WINDOW FRAME
AND COMPONENTS
(NOT BY KINGSPAN)

NOTE: SEE DETAIL CI-TL-01-KSV, CI-TL-02-KSV, AND CI-TL-04-KSV
FOR TYPICAL TRIM LAP INSTRUCTIONS
KS SERIES - VERTICAL INSTALLATION

CONTINUOUS BUTYL SEALANT IN VERTICAL PANEL JOINT
CONTINUOUS BUTYL SEALANT BOTH SIDES OF TRIM W/ MARRIAGE BEAD TO VERTICAL PANEL JOINT
FRAMED OPENING (NOT BY KINGSPAN)
DOORFRAME AND COMPONENTS (NOT BY KINGSPAN)

NOTE: SEE DETAIL CI-TL-01-KSV, CI-TL-02-KSV, AND CI-TL-04-KSV FOR TYPICAL TRIM LAP INSTRUCTIONS

FRAMED OPENING HEAD W/ "DRIP EDGE"

DETAIL #: CI-FO-02-KSV
DATE: 2018 REV2
**KS SERIES - VERTICAL INSTALLATION**

**FRAMED OPENING**

*NOT BY KINGSPAN*

**DOOR/WINDOW FRAME AND COMPONENTS**

*NOT BY KINGSPAN*

**EXPOSED SEALANT**

*NOT BY KINGSPAN*

**POP RIVETS @ 8" O.C.**

**BUTYL SEALANT BETWEEN TRIMS**

**3/4" - 14" LOW PROFILE" THROUGH FASTENER @ 12" O.C.**

**CONTINUOUS BUTYL SEALANT**

**INTERIOR CAP TRIM**

**CONTINUOUS BUTYL SEALANT**

**BUTYL SEALANT or TAPE**

**POP RIVETS @ 8" O.C.**

**EXTERIOR CAP TRIM**

**NOTE:** SEE DETAIL CI-TL-01-KSV, CI-TL-02-KSV, AND CI-TL-04-KSV FOR TYPICAL TRIM LAP INSTRUCTIONS
FRAMED OPENING
(NOT BY KINGSPAN)

FIELD BEND
(AS REQUIRED)

\( \frac{1}{4} \)" - 14 "LOW PROFILE"
FASTENER (AS REQUIRED)

\( \frac{1}{4} \)" - 14 "LOW PROFILE"
THROUGH FASTENER

CONTINUOUS BUTYL SEALANT

CONTINUOUS BUTYL SEALANT

EXPOSED SEALANT
(NOT BY KINGSPAN)

BUTYL SEALANT or TAPE

POP RIVETS @ 8" O.C.

CAP TRIM

NOTE: SEE DETAIL CI-TL-01-KSV, CI-TL-02-KSV, AND CI-TL-04-KSV
FOR TYPICAL TRIM LAP INSTRUCTIONS

FRAMED OPENING
ONE PIECE JAMB

DETAIL #: CI-F0-04-KSV
DATE: 2018 REV2

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www.kingspanpanels.ca
EXTERIOR CAP TRIM

POP RIVETS @ 8" O.C.

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

CONTINUOUS BUTYL SEALANT

CONTINUOUS BUTYL SEALANT W/ MARRIAGE BEAD TO VERTICAL PANEL JOINT

DOOR/WINDOW FRAME AND COMPONENTS (NOT BY KINGSPAN)

FIELD BEND (AS REQUIRED)

EXPOSED SEALANT (NOT BY KINGSPAN)

FRAMED OPENING

NOTE: SEE DETAIL CI-TL-01-KSV, CI-TL-02-KSV, AND CI-TL-04-KSV FOR TYPICAL TRIM LAP INSTRUCTIONS

FRAMED OPENING ONE PIECE SILL

DETAIL #: CI-FO-06-KSV

DATE: 2018 REV2

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CONTRACTOR MAY REMOVE A PORTION OF THE FOAM CORE AND INSERT TREATED LUMBER (NOT BY KINGSPAN) TO REINFORCE LARGE OPENINGS

CONTINUOUS BUTYL SEALANT

PHIL. PAN HEAD FASTENERS

CAP TRIM

CONTINUOUS BUTYL SEALANT

PHIL. PAN HEAD FASTENERS

CAP TRIM

THROUGH BOLT AS REQUIRED FOR ATTACHMENT OF DOOR CASING (NOT BY KINGSPAN)

DOOR CASING (NOT BY KINGSPAN)

CONTINUOUS BUTYL SEALANT

KS SERIES - VERTICAL INSTALLATION

FRAMED OPENING PARTITION

DETAIL #: CI-F0-07-KSV

DATE: 2018 REV2

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TRIM INSTALLATION SEQUENCE:

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

NOTE: SEE DETAIL CI-TL-01-KSV, CI-TL-02-KSV, AND CI-TL-04-KSV FOR TYPICAL TRIM LAP INSTRUCTIONS
EXTERIOR CAP TRIM
POP RIVETS @ 8" O.C.
1/4" - 14 "LOW PROFILE"
THROUGH FASTENER

CONTINUOUS BUTYL SEALANT W/
MARRIAGE BEAD TO VERTICAL
PANEL JOINT

FRAMED OPENING
(NOT BY KINGSPAN)

HEADER TRIM
(OPMotional)

EXPOSED SEALANT
(NOT BY KINGSPAN)

DRIP FLASHING

CONTINUOUS BUTYL SEALANT
BOTH SIDES OF TRIM W/
MARRIAGE BEAD TO VERTICAL
PANEL JOINT

CONTINUOUS BUTYL SEALANT W/
MARRIAGE BEAD TO VERTICAL
PANEL JOINT

NOTE: SEE DETAIL CI-TL-01-KSV, CI-TL-02-KSV, AND CI-TL-04-KSV
FOR TYPICAL TRIM LAP INSTRUCTIONS

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

OVERHEAD DOOR
HEAD W/ DRIP EDGE

DETAIL #: CI-FO-09-KSV
DATE: 2018 REV2

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OVERHEAD DOOR
TWO-PIECE JAMB

TRIM INSTALLATION SEQUENCE:

1. Install Jamb Trim (Optional) & all applicable sealants
2. Install Interior Cap Trim & all applicable sealants prior to installing the panel and through fasteners
3. Install Exterior Cap Trim

NOTE: SEE DETAIL CI-TL-01-KSV, CI-TL-02-KSV, AND CI-TL-04-KSV FOR TYPICAL TRIM LAP INSTRUCTIONS
KS SERIES - VERTICAL INSTALLATION

HEADER W/ EXTRUSION

DETAIL #: CI-FO-11-KSV
DATE: 2018 REV2

CONTINUOUS BUTYL SEALANT BOTH SIDES OF TRIM W/ MARRIAGE BEAD TO VERTICAL PANEL JOINT

3/4" - 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 HEAD EXTRUSION BASE

EXPOSED SEALANT (NOT BY KINGSPAN)

FRAMED OPENING (NOT BY KINGSPAN)

DOOR/WINDOW FRAME AND COMPONENTS (NOT BY KINGSPAN)
KS SERIES - VERTICAL INSTALLATION

CONTINUOUS BUTYL SEALANT
SILL EXTRUSION
FRAMED OPENING (NOT BY KINGSPAN)
DOOR/WINDOW FRAME AND COMPONENTS (NOT BY KINGSPAN)

EXPOSED SEALANT (NOT BY KINGSPAN)
FIELD CUT PANEL WHERE REQUIRED
OPTIONAL WIPER GASKET (FIELD INSTALLED)

1/8" - 14 "LOW PROFILE" THROUGH FASTENER

KS SERIES - VERTICAL INSTALLATION

SILL W/ EXTRUSION

DETAIL #: CI-FO-13-KSV
DATE: 2018 REV2
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KS SERIES - VERTICAL INSTALLATION

O.H. DOOR HEAD W/ EXTRUSION

DETAIL #: CI-FO-14-KSV
DATE: 2018 REV2

1/4" - 14 "LOW PROFILE" THROUGH FASTENER
TWO PIECE HEAD EXTRUSION CAP

continuous butyl sealant both sides of extrusion w/ marriage bead to vertical panel joint

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

framed opening (not by kingspan)

optional wiper gasket (field installed)

field drill 3/8" Ø weep holes (not by kingspan)

two piece head extrusion base

field cut female joints where required

exposed sealant (not by kingspan)

header trim (optional)
KS SERIES - VERTICAL INSTALLATION

O.H. DOOR JAMB W/ EXTRUSION

DETAIL #: CI-FO-15-KSV
DATE: 2018 REV2

- 14" LOW PROFILE" THROUGH FASTENER

FASTENER
(NOT BY KINGSPAN)

FRAMED OPENING
(NOT BY KINGSPAN)

\( \frac{3}{4} \) - 14" LOW PROFILE" FASTENERS WITH WASHER

\( \frac{3}{4} \) - 14" LOW PROFILE" THROUGH FASTENER

JAMB TRIM
(OPTIONAL)

CONTINUOUS BUTYL SEALANT BOTH SIDES OF EXTRUSION

EXPOSED SEALANT
(NOT BY KINGSPAN)

TWO PIECE JAMB EXTRUSION BASE

FIELD CUT PANELS WHERE REQUIRED

TWO PIECE JAMB EXTRUSION CAP

OPTIONAL WIPER GASKET
(FIELD INSTALLED)

O.H. DOOR JAMB W/ EXTRUSION

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

POP RIVETS
@ 8" O.C.

STACK TRIM

STACK FLASHING

CONTINUOUS BUTYL
SEALANT BELOW BASE
FLASHING

½" - 14 HEX HEAD
FASTENERS WITHOUT WASHER

CONTINUOUS BUTYL SEALANT BOTH
SIDES OF TRIM W/ MARRIAGE BEAD
TO VERTICAL PANEL JOINT

HORIZONTAL SUPPORT
(NOT BY KINGSPAN)

FASTEN AS REQUIRED
(NOT BY KINGSPAN)

CONTINUOUS BUTYL SEALANT W/
MARRIAGE BEAD TO VERTICAL
Panel JOINT

CONTINUOUS 3" X 3"
(GAUGE TO MATCH GIRT)
(NOT BY KINGSPAN)
KS SERIES - VERTICAL INSTALLATION

HORIZONTAL SUPPORT (NOT BY KINGSPAN)
CONTINUOUS 3" X 3" (GAUGE TO MATCH GIRT) (NOT BY KINGSPAN)
CONTINUOUS BUTYL SEALANT BOTH SIDES OF EXTRUSION W/ MARRIAGE BEAD TO VERTICAL PANEL JOINT
CONTINUOUS BUTYL SEALANT W/ MARRIAGE BEAD TO VERTICAL PANEL JOINT
FASTEN AS REQUIRED (NOT BY KINGSPAN)
FILL VOID WITH COMPRESSIBLE FOAM CLOSURE
CONTINUOUS BUTYL SEALANT W/ MARRIAGE BEAD TO VERTICAL PANEL JOINT
CONTINUOUS 3" X 3" (GAUGE TO MATCH GIRT) (NOT BY KINGSPAN)
TWO PIECE STACK EXTRUSION BASE

1/4" - 14 HEX HEAD FASTENERS WITHOUT WASHER
1/4" - 14 "LOW PROFILE" THROUGH FASTENER

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

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

TWO PIECE STACK EXTRUSION CAP

OPTIONAL WIPER GASKET (FIELD INSTALLED)

STACK JOINT WITH EXTRUSION

DETAIL #: CI-SJ-02-KSV
DATE: 2018 REV2
CONTINUOUS CLEAT

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

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

PARAPET CAP

1¼" - 14 "LOW PROFILE"
FASTENER @ 8" O.C.

CONTINUOUS CLEAT

¼" - 14 HEX HEAD FASTENERS WITHOUT WASHER

MEMBRANE ROOF & PARAPET BACKER
(NOT BY KINGSPAN)

PARAPET BLOCKING
AND COMPONENTS
(NOT BY KINGSPAN)

CONTINUOUS BUTYL SEALANT W/ MARRIAGE BEAD TO MEMBRANE AT PANEL FACE

FASTENER TO PARAPET BACKER (NOT BY KINGSPAN)

PARAPET WITH FLUSH TRIM

DETAIL #: CI-PR-01-KSV
DATE: 2018 REV2
CONTINUOUS BUTYL SEALANT W/ MARRIAGE BEAD TO VERTICAL JOINT

(2) \( \frac{1}{2} '' \) - 14 HEX HEAD FASTENERS PER CLIP

BASE FLASHING

(2) \( \frac{1}{2} '' \) - 14 HEX HEAD FASTENERS PER CLIP

BASE FLASHING

12 GA. HIDDEN FASTENER CLIP (1 PER PANEL, PER GIRT)

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

MEMBRANE ROOF AND ACCESSORIES (NOT BY KINGSPAN)

BASE FLASHING

FLAT STOCK MATERIAL (FIELD BREAK BY OTHERS)

WALL TO ROOF

DETAIL #: CI-WR-01-KSV

DATE: 2018 REV2
KS SERIES - VERTICAL INSTALLATION

CONTINUOUS BUTYL SEALANT IN INTERIOR JOINT
MEMBRANE (NOT BY KINGSPAN)
BASE FLASHING
(2) 1/4" - 14 HEX HEAD FASTENERS PER CLIP
SUPPORT (NOT BY KINGSPAN)
CONTINUOUS BUTYL SEALANT W/ MARRIAGE BEAD TO VERTICAL JOINT
(2) 1/4" - 14 HEX HEAD FASTENERS PER CLIP
SUPPORT (NOT BY KINGSPAN)
CONTINUOUS BUTYL SEALANT IN INTERIOR JOINT
12 GA. HIDDEN FASTENER CLIP (1 PER PANEL, PER GIRT)
BASE TRIM W/ POP RIVETS
CONTINUOUS BUTYL SEALANT W/ MARRIAGE BEAD TO EXTERIOR VERTICAL JOINT
MIN 6"
MEMBRANE ROOF, FRAMING AND ACCESSORIES (NOT BY KINGSPAN)

CONTINUOUS WALL AT ROOF / CANOPY
DETAIL #: CI-WR-02-KSV
DATE: 2018 REV2
KS SERIES - VERTICAL INSTALLATION

TRIM END LAP

MIN. 3" TRIM LAP

(2) BEADS
BUTYL SEALANT

MIN. 3" TRIM LAP

DETAIL #: CI-TL-01-KSV
DATE: 2018 REV2

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KS SERIES - VERTICAL INSTALLATION

TRIM LAP WITH HEM

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

MIN. 3" TRIM LAP

(2) BEADS BUTYL SEALANT

MIN. 3" TRIM LAP

DETAIL #: CI-TL-02-KSV
DATE: 2018 REV2

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TRIM END LAP WITH LAP STRIP

(2) BEADS BUTYL SEALANT

8" LONG LAP STRIP

NOM. 1/4" GAP
KS SERIES - VERTICAL INSTALLATION

TRIM LAP AT FRAMED OPENING

TRIM INSTALLATION SEQUENCE:
1. INTERIOR JAMB TRIM
2. INTERIOR HEAD TRIM WITH TABS BENT DOWN
3. SILL TRIM WITH TABS BENT 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 MITER AND OVERLAP TRIMS, POP RIVET AND SEAL AS NECESSARY (NOT BY KINGSPAN)
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)

TRIM LAP AT FRAMED OPENING

DETAIL #: CI-TL-04-KSV
DATE: 2018 REV2
KS SERIES - VERTICAL INSTALLATION

TWO PIECE OPENING EXTRUSION CAP
DIE #13943

2" TWO PIECE OPENING EXTRUSION BASE
DIE #13939

OPTIONAL WIPER GASKET
(FIELD INSTALLED)

PARAPET EXTRUSION
DIE # 13938

2" CORNER EXTRUSION CAP
DIE #14106

2" CORNER EXTRUSION BASE
DIE #14102

2" PANEL BASE "B"
EXTRUSION
DIE #13878

SILL EXTRUSION
DIE #13937

2" PANEL BASE
DIE #14009

TWO PIECE STACK JOINT EXTRUSION CAP
DIE #13948

2" STACK JOINT EXTRUSION BASE
DIE #14009

2" EXTRUSIONS

DETAIL #: CI-TL-05-KSV
DATE: 2018 REV2
OPTIONAL WIPER GASKET (FIELD INSTALLED)

TWO PIECE OPENING EXTRUSION CAP
DIE #13943

3" TWO PIECE OPENING EXTRUSION BASE
DIE #13940

PARAPET EXTRUSION
DIE # 13938

3" CORNER EXTRUSION CAP
DIE #14108

3" CORNER EXTRUSION BASE
DIE #14104

3" PANEL BASE "B"
EXTRUSION
DIE #13876

SILL EXTRUSION
DIE #13937

3" STACK JOINT EXTRUSION CAP
DIE #13948

3" STACK JOINT EXTRUSION BASE
DIE #14011

3" EXTRUSIONS

DETAIL #: CI-TL-07-KSV

DATE: 2018 REV2
KS SERIES - VERTICAL INSTALLATION

LAP STRIPS FOR OUTSIDE CORNER JAMB EXTRUSION

LAP STRIPS FOR TWO PIECE JAMB EXTRUSION

LAP STRIPS FOR INSIDE CORNER EXTRUSION

LAP STRIPS FOR PARAPET EXTRUSION

LAP STRIPS FOR "J" BASE EXTRUSION

EXTRUSION LAP STRIPS

DETAIL #: CI-TL-09-KSV
DATE: 2018 REV2

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KS SERIES - VERTICAL INSTALLATION

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