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TYPICAL WIDE INTERLOCKING CHANNEL

Sheathing over:
16GA. (1.5mm) (MIN.)
Steel stud framing
(by others)
Spaced 16" (400mm) O.C. Max.

Factory attached interlocking channel

Field attach mating interlocking channel thru sheathing and into each stud w/ #10 (5mm) TEK screws as req'd.

Use Buildex "Maxisefl" w/ neoprene washer or approved equal

At conc./CMU walls - use coated tap-cons w/ neoprene washer

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SP-2

TYPICAL NARROW INTERLOCKING CHANNEL

SHEATHING OVER 16GA. (1.5mm) (MIN.) STEEL STUD FRAMING (BY OTHERS) SPACED 16" (400mm) O.C. MAX.

FIELD ATTACH MATING INTERLOCKING CHANNEL THRU SHEATHING AND INTO EACH STUD W/ #10 (5mm) TEK SCREWS AS REQ'D.

USE BUILDEX "MAXISEAL" W/ NEOPRENE WASHER OR APPROVED EQUAL

AT CONC./CMU WALLS - USE COATED TAP-CONS W/ NEOPRENE WASHER

VAPOR BARRIER SHEET (INSTALLED BY OTHERS)

SHIM AS REQ'D.

WINDLOAD AND BEARING APPLICATION

WINDLOAD APPLICATION

SHIM (BY OTHERS)

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SHEATHING OVER 16GA. (1.5mm) (MIN.) STEEL STUD FRAMING (BY OTHERS) SPACED 16" (400mm) O.C. MAX.

FACTORY ATTACHED INTERLOCKING CHANNEL

FIELD ATTACH JOINT CHANNEL MATE THRU SHEATHING AND INTO EACH STUD W/ #10 (5mm) TEK SCREWS AS REQ'D.

USE BUILDEX "MAXISEAL" W/ NEOPRENE WASHER OR APPROVED EQUAL

AT CONC./CMU WALLS - USE COATED TAP-CONS W/ NEOPRENE WASHER

SEALANT AND BACKER ROD (BY OTHERS - TYP.)

FACTORY ATTACHED JOINT CHANNEL

2 3/8" (60mm) MIN. SHIM AS REQ'D.

VAPOUR BARRIER SHEET (INSTALLED BY OTHERS)

WINDLOAD AND BEARING APPLICATION

WINDLOAD APPLICATION

STONEPANELS® PANEL
SHEATHING OVER 16GA. (1.5mm) (MIN.) STEEL STUD FRAMING (BY OTHERS) SPACED 16" (400mm) O.C. MAX.

FACTORY ATTACHED INTERLOCKING CHANNEL

FIELD ATTACH JOINT CHANNEL MATE THRU SHEATHING AND INTO EACH STUD W/ #10 (5mm) TEK SCREWS AS REQ'D.

USE BUILDEX "MAXISEAL" W/ NEOPRENE WASHER OR APPROVED EQUAL

AT CONC./CMU WALLS - USE COATED TAP-CONS W/ NEOPRENE WASHER

SEALANT AND BACKER ROD (BY OTHERS - TYP.)

FACTORY ATTACHED JOINT CHANNEL

1 7/8" (48mm) SHIM AS REQ'D.

VAPOR BARRIER SHEET (INSTALLED BY OTHERS)

WINDLOAD AND BEARING APPLICATION

1 7/8" (48mm) MIN.

NARROW INTERLOCKING JOINT CHANNEL
FIELD APPLY SMALL BEAD OF SEALANT PRIOR TO SETTING UPPER PANEL

FIELD SET REVEAL PANEL AFTER LOWER PANEL IS INSTALLED.

SEALANT AND BACKER ROD (BY OTHERS)

INTERLOCKING CHANNEL ATTACHMENT SYSTEM REF. SP-1

PANEL ADHESIVE ATTACH

SHIM AS REQ'D.

(60mm) 2 3/8" MIN.
SEALANT AND BACKER ROD (BY OTHERS)

INTERLOCKING CHANNEL ATTACHMENT SYSTEM REF. SP-1

PANEL ADHESIVE ATTACH

FACTORY ATTACHED & BONDED CORNER

1" TYP. (25mm)

SEALANT AND BACKER ROD (BY OTHERS)

SLOPE

INTERLOCKING CHANNEL ATTACHMENT SYSTEM REF. SP-1

SLOPED BLOCKING (BY OTHERS)

FLUSH WINDOW SILL

RECESSED WINDOW SILL

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INTERLOCKING CHANNEL ATTACHMENT SYSTEM
REF. SP-1

FLUSH WINDOW HEAD

SEALANT AND BACKER ROD (BY OTHERS)

FLUSH WINDOW HEAD

SEALANT AND BACKER ROD (BY OTHERS)

RECESSED WINDOW HEAD

FACTORY ATTACHED & BONDED CORNER

SEALANT AND BACKER ROD (BY OTHERS)

2" CLR.
MIN.

3 1/2"
90mm

3 1/2"
90mm

(25mm)

(50mm)

(90mm)

1"
TYP.

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TYPICAL COPING DETAIL

INTERLOCKING CHANNEL ATTACHMENT SYSTEM REF. SP-1

METAL COPING (BY OTHERS)

BLOCKING AS REQ’D. (BY OTHERS)

PANEL

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FACTORY ATTACHED AND INTERLOCKING CHANNEL SYSTEM

INTERLOCKING CHANNEL ATTACHMENT SYSTEM
REF. SP-1
ATTACH PANEL WITH STRUCTURAL SILICONE SPACED 16" (400mm) O.C. MAX.

SHIM AS REQ'D. FOR ALIGNMENT

SEALANT AND BACKER ROD (BY OTHERS)

3/8" (10mm) MIN.

NOTE:
STEEL STUDS OR FURRING MUST BE LOCATED AT EACH PANEL JOINT. CONTACT SPI TECHNICAL SERVICES FOR ADDITIONAL INFORMATION.

STA 1 1/4" (32mm)

FACTORY ATTACHED EDGE PLATES W/ SLOTTED HOLES FOR SCREW ATTACHMENT AT JOINT AREA

SCREW ATTACH WITH #10 (5mm) TEK SCREWS THRU SLOTTED HOLES IN ATTACHMENT PLATES INTO FRAMING MEMBERS BEYOND

PANEL HT.

PANEL WIDTH

STUD FRAMING OR FURRING

TEK SCREW ATTACH THRU JOINT

3/8" (10mm) SEALANT JOINT (TYP.) MINIMUM JOINT FOR THIS APPLICATION

ATTACH PANEL WITH STRUCTURAL SILICONE SPACED 16" (400mm) O.C. MAX.

3/8" (10mm) SEALANT AND BACKER ROD (BY OTHERS)
**MIN. 16GA. (1.5mm) GALVANIZED STEEL STUDS OR FURRING AT 16" (400mm) O.C. MAX AND AT EACH PANEL JOINT**

**FACTORY INSTALLED 14GA. (2mm) GALVANIZED EDGE PLATES**

**STRUCTURAL SILICONE ATTACH BETWEEN ANCHOR PLATES**

**StoneLite® PANEL "CUT-AWAY" TO SHOW CLARITY OF PANEL ATTACHMENT. ATTACH TO STUD FRAME BETWEEN JOINTS W/ STRUCTURAL SILICONE.**

**NO. 10 (5mm) TEK SCREW ATTACH THRU SLOTTED HOLE ATTACHING PANEL TO STEEL STUDS**
ANCHOR PLATE WITH HORIZONTAL FURRING

16GA. (1.5mm) (MIN.) GALVANIZED HAT CHANNELS AT 16" (400mm) O.C. MAX. (BY OTHERS)

**StoneLite® PANEL**

STRUCTURAL SILICONE (BY OTHERS)
ATTACH PANELS TO HAT CHANNELS

ANCHOR TO EXISTING (BY OTHERS)

SCREW ATTACH THRU SLOTTED HOLE AND INTO HAT CHANNEL WITH #10 (5mm) TEK SCREWS AT 24" (600mm) O.C. MAX.

3 1/2" x 3 1/2" x 14GA.
(45mm x 45mm x 2mm)
FACTORY ATTACHED GALVANIZED EDGE PLATES

EXISTING WALL

**StoneLite® PANEL**
15/16" (24mm)
+/- 1/16" (1.5mm)

ALUMINUM MULLION

GASKET / SILICONE ADHESIVE

FACTORY ATTACHED CONT. GALV. ANGLE

SP-15  GLAZED-IN PANEL IN 1" POCKET

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**INTERIOR ADHESIVE ATTACHMENT OVER GYPSUM WALLBOARD**

**StoneWall® PANEL**

1. **15/16" (24mm) +/- 1/16" (1.5mm)**
2. **1 1/8" (29mm)**
3. **VARIABLES, 1/8" TO 1/4" (3mm - 6mm) DEPENDING UPON STONE THICKNESS**

**GYPSUM WALLBOARD**

**STEEL STUD FRAMING**

16GA. (1.5mm) (MIN.)
SPACED 16" (400mm) O.C. MAX.

**MIRACLE BRAND DS80 ADHESIVE LIQUID NAILS, OR SIMILAR PANEL ADHESIVE**

**DOUBLE STICK CELLULAR FOAM TAPE TEMPORARILY HOLDS PANEL IN PLACE. THICKNESS VARIES DEPENDING UPON STONE THICKNESS. (THIS TAPE IS OPTIONAL).**

1. **1 1/4" x 3/4" x 22GA. (32mm x 19mm x .75mm)**
2. **CONTINUOUS ANGLE (LLV)**
3. **SCREW ATTACH TO EACH STUD WITH 1 1/2" (38mm) NO. 6 (3.5mm) PAN-HEAD TEK SCREWS. (OPTIONALLY SUPPLIED BY OTHERS.)**

**SHIM (IF REQ'D.)**

---

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1 1/8" (29mm) VARIANCE, 1/8" TO 1/4" (3mm - 6mm) DEPENDING UPON STONE THICKNESS

15/16" (24mm) +/- 1/16" (1.5mm)

VARIANCE, 1/8" TO 1/4" (3mm - 6mm) DEPENDING UPON STONE THICKNESS

STEEL STUD FRAMING
16GA. (1.5mm) (MIN.)
SPACED 16" O.C. (400mm) MAX.
(A STUD IS REQUIRED AT ALL VERTICAL PANEL JOINTS)

DOUBLE STICK CELLULAR FOAM TAPE TEMPORARILY HOLDS PANEL IN PLACE.
THICKNESS VARIES DEPENDING UPON STONE THICKNESS. (THIS TAPE IS OPTIONAL).

1 1/4" x 3/4" x 22GA. (32mm x 19mm x .75mm)
CONTINUOUS ANGLE (LLV)
SCREW ATTACH TO EACH STUD WITH TEK SCREWS.
(OPTIONALLY SUPPLIED BY OTHERS.)

SHIM (IF REQ'D.)

JOINT TREATMENT

STRUCTURAL SILICONE

STEEL STUD FRAMING OR FURING

PLAN VIEW

SECTION VIEW
ADHESIVE ATTACH OVER EXISTING SURFACE

EXISTING CONC. OR CMU

STRUCTURAL SILICONE

INSTALLATION DETAIL

EXISTING SURFACE SUCH AS WALLBOARD OR PLASTER

INSTALLATION DETAIL

TYPICAL ELEVATION

EXISTING CONC. OR CMU

STONELITE PANEL

LIQUID NAILS, MIRACLE BRAND DS80 ADHESIVE OR APPROVED EQUAL

STONELITE PANEL

ALIGNMENT CLIP INSTALL IN HORIZONTAL AND VERTICAL JOINTS TO ALIGN PANEL UNTIL ADHESIVE CURES, REMOVE AFTER ADHESIVE SETS

INSTALLATION CLIPS ALIGN STONE FACES AND TEMPORARILY HOLD PANELS IN PLACE

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SP-19
STONE PANEL RETURN AT RECESSED SOFFIT

FACTORY BONDED & FINISHED CORNER

INTERLOCKING CHANNEL SYSTEM
SEE SP-1

SEALANT AND BACKER ROD (BY OTHERS)

ALUMINUM "F" SHAPED TRIM MOLD

RECESSED SOFFIT (BY OTHERS)

(19mm) 3/4" (+)

Stonelife® PANEL

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SP-20 CLIP ATTACHMENT TO ELEVATOR CAB WALL

FACTORY ATTACHED Z-CLIP

ATTACH CONTINUOUS ALUMINUM EXTRUSION Z-CLIP WITH TEK SCREWS MINIMUM (2) PER EXTRUSION 18" (460mm) O.C. MAX.

SCREW HEAD MAX. CLEARANCE 5/32" (4mm)

1 1/2" (38mm) MIN.

CAB WALL

SHIM AS REQ'D.

SHIM AS REQ'D. (BY OTHERS)
SP-21

Over Insulation Board with vertical furring

2 3/8" MIN.

SHIM AS REQ'D.

ATTACHMENT CLIPS DESIGNED AND SUPPLIED BY OTHERS - ( NOT - SPI )

16 GA. (MIN.) CONTINUOUS VERTICAL FURRING MEMBERS DESIGNED AND SUPPLIED BY OTHERS - NOT SPI. SPACED 16" O.C. MAX-HORZ.

3 1/2" X 3 1/2" X 14GA FACTORY ATTACHED-ATTACHMENT PLATES AT 24" O.C. MAXIMUM VERTICAL & HORIZONTAL

FACTORY ATTACHED 3 1/2" LONG ALUMINUM WIDE INTERLOCKING CHANNEL TO EACH ATTACHMENT PLATE W. (2) #10 TEK SCREWS AT EACH PLATE

FIELD ATTACH CONTINUOUS MATING ALUMINUM CHANNEL (SUPPLIED BY SPI ) INTO EACH FURRING MEMBER WITH (1) #10 TEK SCREW AS REQUIRED PER SCREW MANUFACTURER

USE BUIDEX "MAXISEAL" W/ CLIMASEAL ACR FINISH & NEOPRENE WASHER OR APPROVED EQUAL.

RIGID INSULATION BOARD (BY OTHERS) NO PSI STRENGTH REQ'D IF USING FURRING BETWEEN BOARDS

INTERLOCKING CHANNEL SYSTEM

2 3/8" MIN.

16 GA. (MIN.) CONTINUOUS VERTICAL FURRING MEMBERS DESIGNED AND SUPPLIED BY OTHERS NOT SPI- SPACED 16" O.C. MAX. - HORIZ.
NOTE*
INSULATION BOARD
(25 PSI- MIN.)
(BY OTHERS)

SHEATHING (BY OTHERS)

FACTORY ATTACHED
3 1/2" LONG ALUMINUM
WIDE INTERLOCKING
CHANNEL TO EACH
ATTACHMENT PLATE W.
(2) #10 TEK SCREWS
AT EACH PLATE

3 1/2" X 3 1/2" X 14GA.
FACTORY ATTACHED -
ATTACHMENT PLATES
AT 24" O.C. MAXIMUM
VERTICAL & HORIZONTAL

SEALANT AND
BACKER ROD
(BY OTHERS - TYP.)

FACTORY ATTACHED
CONT. JOINT CHANNEL

FIELD ATTACH CONT.
JOINT CHANNEL THRU
INSULATION BOARD
AND SHEATHING INTO
EACH FURRING MEMBER
W/ (1) #12 TEK SCREW
AS REQ'D PER SCREW
MANUFACTURER

USE BUildeX "MAXISEAL"
W/ CLIMASEAL ACR FINISH
& NEOPRENE WASHER OR
APPROVED EQUAL.

SECTION
Over Insulation Board with no vertical furring

16 GA. (MIN.)
VERTICAL STEEL STUD FRAMING / FURRING
SPACED @ 16" O.C. MAX.

SHEATHING (BY OTHERS)

NOTE*
INSULATION BOARD (BY OTHERS)
( 25 PSI- MIN. )

SHIM AS REQ'D.

FIELD ATTACH CONTINUOUS
MATING ALUMINUM CHANNEL
( SUPPLIED BY SPI )
INTO EACH FURRING MEMBER
WITH (1) #12 TEK SCREW
AS REQUIRED PER
SCREW MANUFACTURER

USE BUILDEX "MAXISEAL"
W/ CLIMASEAL ACR FINISH
& NEOPRENE WASHER OR
APPROVED EQUAL.

PLAN

SP-23
Over Insulation Board with no vertical furring
SP-30
PRE-PANELIZED STEEL STUD SYSTEM

FACTORY ATTACHED
3 1/2" (90mm) SQ. ATTACHMENT PLATES
SPACED 30" O.C. (760mm) MAX.

STEEL STUDS SPACED AS REQ'D.
24" (600mm) O.C. MAX.

DOUBLE STUD AT VERTICAL PANEL JOINT

WELD ATTACH STONE PANELS TO FRAME

SP-30
PRE-PANELIZED STEEL STUD SYSTEM

NOTE: CONTACT SPI ENGINEERING DEPARTMENT FOR MAXIMUM SPACING OF STUD FRAMING AND ANCHORS

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PRE-PANELIZED SPANDREL CONDITION

- Sealant and backer rod (by others)
- Interior finish
- Clip angle - weld attached
- Continuous perimeter angle
- Brace member
- Steel studs at 24" (600mm) O.C. max.
- Window system
- Shim as req'd.

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SP-32

PRE-PANELIZED SPANDREL WALL SECTION

BLOCKING AS REQ’D. (BY OTHERS)

INTERIOR FINISH

CLIP ANGLE - WELD
ATTACH TO PERIMETER ANGLE AND STUD FRAMING

WINDOW SILL

FACTORY BONDED AND FINISHED RETURN

STONELITE® PANEL
ON GALVANIZED STEEL STUD FRAME
FACTORY ATTACHED

BRACE MEMBER

BLOCKING AS REQ’D. (BY OTHERS)

SEALANT AND BACKER ROD (BY OTHERS)

WINDOW HEAD

CONTINUOUS PERIMETER ANGLE

WINDOW HEAD

ON GALVANIZED STEEL STUD FRAME FACTORY ATTACHED
UPPER PANEL STUDS BEAR ON LOWER PANEL STUDS. NO GRAVITY LOAD ON FLOOR FRAME. ALL GRAVITY LOAD GOES TO FOUNDATION AT GROUND LEVEL.

SHIM AND WELD ATTACH
WELD ATTACH CLIP ANGLE TO PERIMETER ANGLE

FLOOR SLAB
PERIMETER ANGLE

TEK SCREW ATTACH STUD FRAME TO CLIP ANGLE THRU SLOTTED HOLES. USE NYLON WASHERS

STEEL STUDS SPACED AT 24" (600mm) O.C. MAX. FACTORY ATTACHED TO PANELS

SEALANT AND BACKER ROD (BY OTHERS)

CLIP ANGLE
PANEL
1. STANDARD EDGE

2. SEAMED EDGE

3. FINISHED RETURN

4. CHAMFERED EDGES

5. QUIRK MITER EDGE
**90° Outside Corner**
- Quirk Mitered Panel
- Sealant and Backer Rod (by others)

**45° Outside Corner**
- Sealant and Backer Rod (by others)

**45° ± Miter at Honeycomb Backing**

**Finished Corner**
- Pigmented Epoxy Resin Bonded and Finished

**Inside Corner**
- Sealant and Backer Rod (by others)
WIDE INTERLOCKING CHANNEL SYSTEM
Interior or Exterior Application

EDGE PLATE SYSTEM
Interior or Exterior Application

NARROW INTERLOCKING CHANNEL SYSTEM
Interior or Exterior Application

Z-CLIP ATTACHMENT SYSTEM
Elevator Cab Application

ADHESIVE ATTACHMENT SYSTEM
Interior Application

NOTE: DIMENSIONS SHOWN ARE FOR 3/16" (5mm) STONE ON 3/4" (19mm) HONEYCOMB
GLAZED-IN PANEL IN 1" POCKET

MULLION

GASKET

1"

(± 1/16"

(25mm ± 1.5mm)