COMPOSOLITE®
SECONDARY CONTAINMENT SYSTEM
INSTALLATION GUIDELINES

Site Preparation
• The Utility is to determine the depth of the wall below grade.
• The posts are to be installed at a minimum of 2'-0" below grade. Consult the Utility for anchoring of the post based on soil conditions.

Tools Required
• Drill
• Wrenches and/or sockets to fit ½” and ¼” diameter fasteners
• Drill bits (furnished with the FRP materials for the installation of post, corner angles and cap channels)
• Circular Saw with carbide or diamond grit blade is recommended (60 to 80 grit)

Installation*
• All FRP components are to be installed per the Strongwell drawings supplied.
• Holes to be field-drilled in the COMPOSOLITE® panels using the post, corner angles, and splice plates as templates.
• Cap channels are shipped in 20'-0" sections. Field cutting to length may be required based on the size of the containment. Install the cap channel to the top of the COMPOSOLITE® wall using provided ¼” diameter Nylon Drive Rivets at 1'-0" O.C. staggered.
• If a liner is to be installed the FRP liner strip is to be installed using ¼” diameter self-tapping screw. Holes are predrilled in the liner strip. The location of the liner strip is to be determined by the height of the liner on the COMPOSOLITE® wall. Consult the liner supplier for additional instructions for the liner.

* WARNING: Improper installation can lead to seepage.
C 3.42" x 1.3" x .125" CAP CHANNEL
SHIPPED IN 20'-0" STOCK LENGTHS
FIELD CUT AS REQ'D & ATTACHED USING SUPPLIED
¼" Ø NYLON RIVETS (20 RIVETS PER CHANNEL)
SPACED 1'-0" O.C. (STAGGERED)

¾" CAP PLUG
(EPOXIED TO POST)

¾" THICK 3" x 3" PLATE WASHER
(2-PER POST KIT)

TS 3" x 3" x ¼" SQUARE TUBE

¼" x 7½" LONG 316 S.S. BOLT
W/ HN & 2-FW (2-PER POST KIT)*

½" Ø x 7½" LONG 316 S.S. BOLT
W/ HN & 2-FW (2-PER POST KIT)*

COMPOSOLITE® WALL

FIELD DRILL HOLES IN
COMPOSOLITE® WALL

*Additional bolts may be required on walls 36" and above.
C 3.42” x 1.3” x .125” CAP CHANNEL
SHIPPED IN 20'-0" STOCK LENGTHS
FIELD CUT AS REQ’D & ATTACHED USING SUPPLIED
1/4" Ø NYLON RIVETS (20 RIVETS PER CHANNEL)
SPACED 1'-0" O.C. (STAGGERED)

1/4" Ø x 4 1/2" 316 S.S. BOLT
W/ HN & 2-FW (4-PER CORNER KIT)*

L 6" x 6" x 1/4" EXTERIOR
CORNER ANGLE

FIELD DRILL HOLES
IN COMPOSOLITE® WALL

COMPOSOLITE® WALL

L 3" x 3" x 1/4" INTERIOR
CORNER ANGLE

CORNER KIT

*Additional bolts may be required on walls 36" and above.
C 3.42" x 1.3" x .125" CAP CHANNEL
SHIPPED IN 20'-0" STOCK LENGTHS
FIELD CUT AS REQ'D & ATTACHED USING SUPPLIED
¼" Ø NYLON RIVETS (20 RIVETS PER CHANNEL)
SPACED 1'-0" O.C. (STAGGERED)

¼" CAP PLUG
(EPOXIED TO POST)

½" Ø x 4½" LONG 316 S.S. BOLT
W/ HN & 2-FW (4-PER SPLICE KIT)*

½" Ø x 7½" LONG 316 S.S. BOLT
W/ HN & 2-FW (2-PER SPLICE KIT)*

½" Ø x 7½" LONG 316 S.S. BOLT
W/ HN & 2-FW (2-PER SPLICE KIT)*

¾" THICK x 8" PLATE
(2-PER SPLICE KIT)

FIELD DRILL HOLES IN
COMPOSOLITE® WALL

-¼" THICK x 8" PLATE
(2-PER SPLICE KIT)

COMPOSOLITE® WALL

¼" CAP PLUG
(EPOXIED TO POST)

TS 3" x 3" x ¼" SQUARE TUBE

*C Additional bolts may be required on walls 36" and above.
C 3.42" x 1.3" x .125" CAP CHANNEL
SHIPPED IN 20'-0" STOCK LENGTHS
FIELD CUT AS REQ'D & ATTACHED USING SUPPLIED
¼" Ø NYLON RIVETS (20 RIVETS PER CHANNEL)
SPACED 1'-0" O.C. (STAGGERED)

NOTE:
MASTIC TAPE AND SYNTHETIC LINER
PROVIDED BY OTHERS

FL ⅜" x 2" LINER STRIP
SHIPPED IN 20'-0" STOCK LENGTHS
FIELD CUT AS REQ'D & ATTACHED USING
SUPPLIED ¼" Ø x 1½" LONG 316 S.S.
SELF-TAPPING SCREWS

¼" Ø x 1½" LONG 316 S.S.
SELF-TAPPING SCREWS

COMPOSOLITE® WALL

LINER STRIP