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 w/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, 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.
POST KIT

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

¼" CAP PLUG
(EPOXIED TO POST)

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

TS 3" x 3" x ¼" SQUARE TUBE

FIELD DRILL HOLES IN COMPOSOLITE® WALL

COMPOSOLITE® WALL
C 3.42" x 1.3" x 0.125" 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)

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

L 6" x 6" x 1/8" EXTERIOR
CORNER ANGLE

L 3" x 3" x 1/8" INTERIOR
CORNER ANGLE

FIELD DRILL HOLES
IN COMPOSOLITE® WALL

COMPOSOLITE® WALL
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)

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)

¼" CAP PLUG—
(EPOXIED TO POST)

TS 3" x 3" x ¼" SQUARE TUBE—

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

FIELD DRILL HOLES IN
COMPOSOLITE® WALL

COMPOSOLITE® WALL

¼" THICK x 8" PLATE
(2-PER SPLICE KIT)
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 ½” 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