Installation Instructions for Prestressed Concrete and Steel Shell Piling (Manufacturer's Recommendations)

YELLOW JACKET™
FRICTION REDUCTION FOR PILING WITH QC2000 LUBRICATION
PATENTED

I. **INSTALLATION**: The Yellow Jacket QC2000 System is lightweight, durable, easily installed, and its composition and design is such that it readily conforms to any pile section.

A. **Surface Preparation**: The surface area of the pile should be kept reasonably clean and free of debris that may hamper product performance. Yellow Jacket is highly resistant to oils and greases common to the construction industry; therefore, diesel hammer oils and greases are not necessary to remove from the pile.

B. **Taping**: Standard 2" duct tape or a polyethylene tape are readily available tapes recommended for use in the installation of the friction material. Taping is necessary only to insure that the protection material is securely in place until the select backfill can be placed around it.

C. **Application**: Friction reduction material should be taped both vertically and horizontally at the lap locations. If necessary, additional horizontal tappings can be placed between laps to insure that the material is secure in its position about the piles.

II. **BACKFILL**: Yellow Jacket Friction Protection is tough and durable, but certain precautions should be adhered to during backfilling operations.

A. Proper instructions should be given all field installation personnel in order to eliminate or minimize repairs.

B. Care should be taken in placing the select backfill around the pile with mechanized equipment (dozers, end loaders, etc.)

III. **REPAIRS**: Although Yellow Jacket will withstand a great deal of abuse, repairs are sometimes necessary when accidents happen. Below are the recommended steps to take when repairs are necessary:

A. **Scrapes and Abrasions**: During the backfilling process this is normal and there is no need for concern.

B. **Cuts**: Can be taped over when they do not exceed 6 inches in length and .25 of an inch in width.

C. **Tears and Holes**: Can be repaired by making a square or rectangle cut out surrounding the damaged area, and replacing the cutout area with a new piece of material cut from an unused piece of material the same size as the geometric shape cut from the damaged area. Once this is done, duct tape the area to secure the replacement.

D. **Gouging**: When excessive damage occurs, make a level horizontal cut through the sheet the entire circumference of the pile on inch below the damaged area, and simply begin again with a new lift of protection.

For further technical information plese call the offices of Foundation Technologies, Inc. at 1-800-773-2368, or email info@foundationtechnologies.com.

1 PIECE SYSTEM INSTALLATION

NOTE: For best results, install the units in lifts to coincide with the wall construction. Piling should be free of debris that may interfere with the jacket installation and performace.

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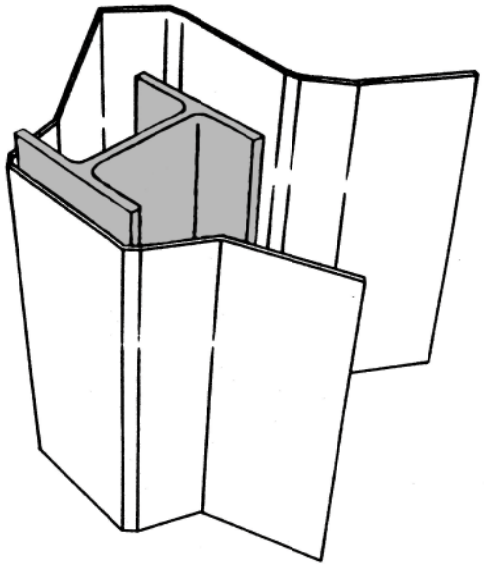
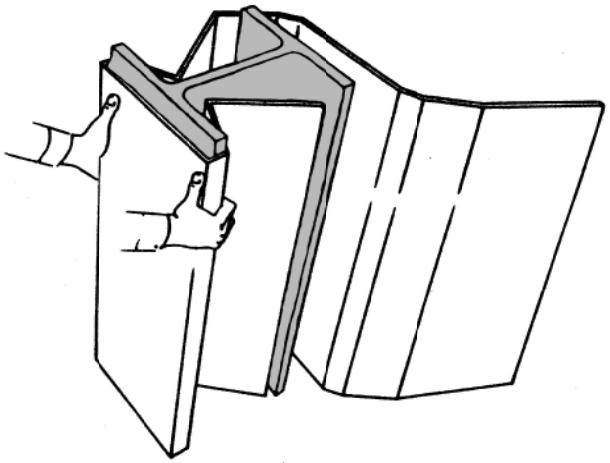
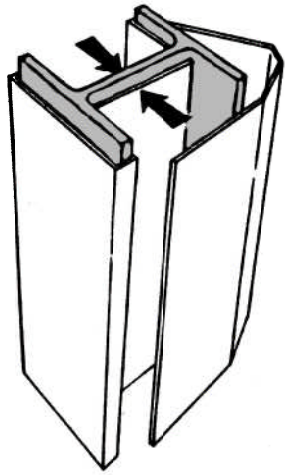


1) Center flange cover section of jacket over outside of pile flange (starting either side of pile).

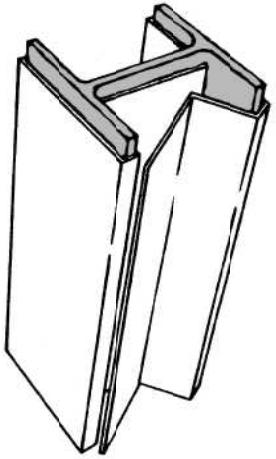


2) Square up edges of jacket scored to accommodate each end of flange (Full length of jacket).

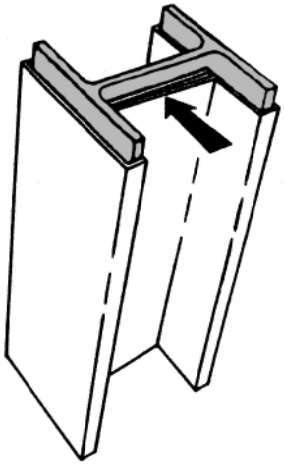
3) Push web sections in to conform with the inside shape of the pile. Notice that one side of the web section will end at the flange. (This section may be cut short since the last flap will overlap the entire surface area of the web in it's final position).

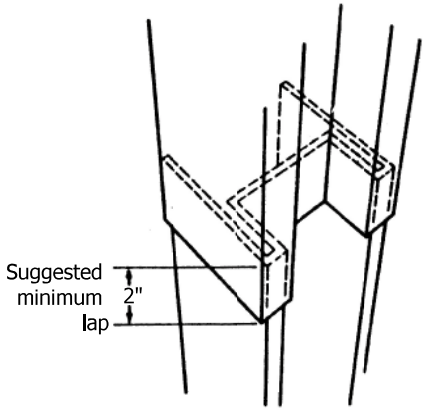


4) Continue to wrap the jacket around the balance of the uncovered pile section, squaring up the flange edges in the process .



5) Fold the last flap back into the pile web area overlapping the previously covered web section of the pile as shown in step no. 3. Flap will lock into position completing the installation.





6) As each section is installed, lap as shown until the desired length of the pile is covered.

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2 PIECE SYSTEM INSTALLATION

NOTE: For best results, install the units in lift to coincide with the wall construction. Piling should be free of debris that may interfere with the jacket installation and performace.

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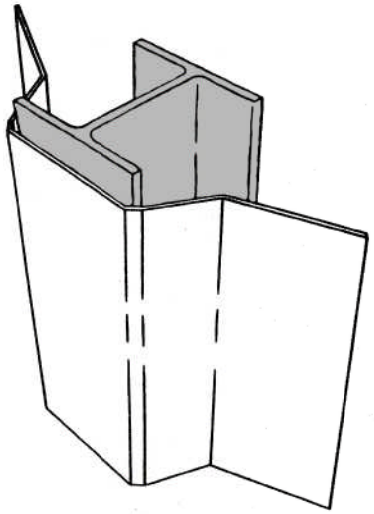
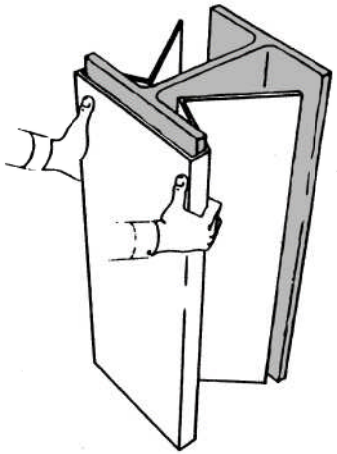
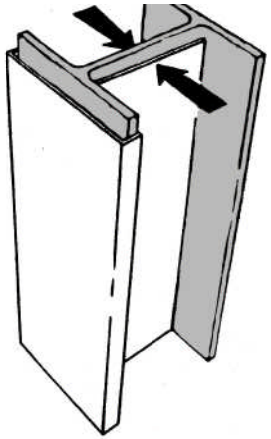


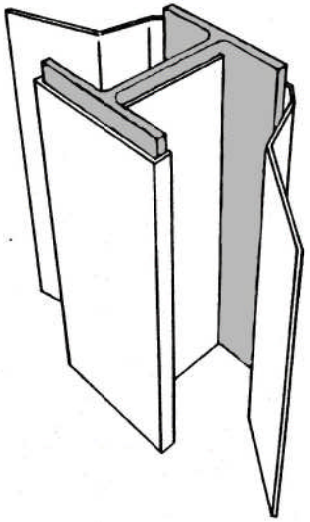
1) Center jacket on flange of pile.



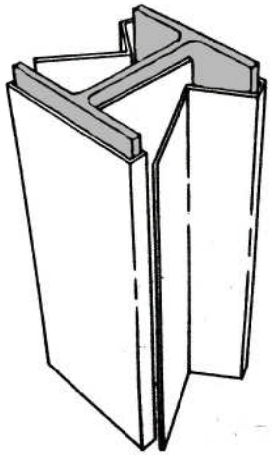
2) Square up the edges of the jacket scored to accommodate each end of the flange (full length of the jacket).



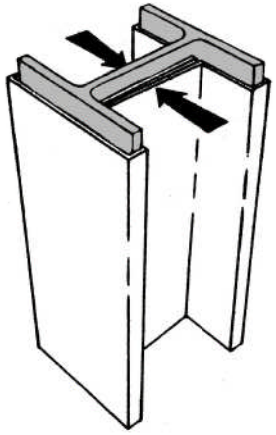
3) Push the web sections in to conform with the inside of the pile.



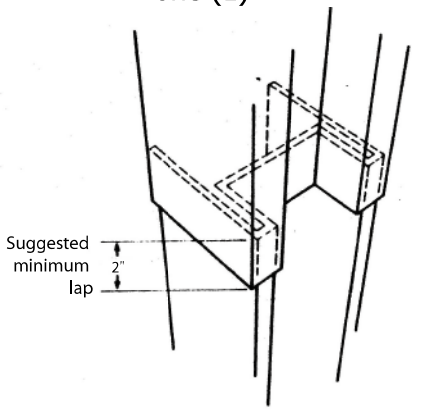
4) From the opposite side of the pile, repeat step one (1).



5) Repeat step two (2).



6) Repeat step three (3), overlapping the web sections of the jacket. Flaps will lock into position completing the installations.



7) As each section is installed, lap as shown in Fig. no. 7 until desired length of pile is covered.

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