

RE: Brookfield BRFLBR (2) – Galvanized Steel Protective End Cap Securing Method

Miller Construction, Inc. submits the following method for securing the Galvanized Steel Protective End Cap.

The Galvanized Steel Protective End Cap shall be fabricated so that a 1/8” back plate (washer) with a threaded (NPT) collar can be installed in conjunction with the double nut.

The nut on the tie rod will secure the coupler to the FRP Blister. After final tensioning, the NPT nipple and cap will be threaded into the coupling.

Placing a bead of 3M Marine Sealant between the washer and the base plate, as well as the base plate and the FRP Blister will ensure a watertight installation.

**GENERAL COMMENTS:**

1) THE END CAPS NEED TO BE INSTALLED BEFORE LAUNCHING THE PONTOONS IN TO THE LAKE (SPECIAL PROVISION SECTION 75(b).

2) IT'S ASSUMED THAT THE END CAP IS SUFFICIENTLY LARGE TO ACCOMODATE THE ROD NUTS AND ROD EXTENSION BEYOND THE BASE PLATE - THIS IS THE CONTRACTOR'S RESPONSIBILITY.

3) PARTS NEED TO BE GALVANIZED AFTER FABRICATION.

4) FROM THE DESCRIPTION, IT APPEARS THE PORTION OF THREADED ROD WITHIN THE FRP PONTOONS WILL BE PROTECTED BY ADHEARING THE PLATE/COUPLER/WASHER TOGETHER. HOWEVER, PLEASE USE A THREAD FILLER (EG: TEFLON TAPE, PLUMBERS PUTTY, ETC) TO ENSURE THE THREADED CONNECTION IS ALSO WATER TIGHT, BUT REMOVEABLE TO ALLOW FOR FUTURE INSPECTION.

**T.Y. LIN INTERNATIONAL**

THE STAMPED DOCUMENTS ARE HEREBY:

- APPROVED
- APPROVED AS NOTED
- REVISE AND RESUBMIT

SEE TRANSMITTAL FOR ADDITIONAL INFORMATION AS APPLICABLE.

THIS REVIEW IS FOR GENERAL CONFORMANCE WITH DESIGN CONCEPT ONLY. ANY DEVIATION FROM THE PLANS OR SPECIFICATIONS NOT CLEARLY NOTED BY THE CONTRACTOR HAS NOT BEEN REVIEWED. REVIEW BY THE ENGINEER SHALL NOT RELIEVE THE CONTRACTOR OF THE CONTRACTUAL RESPONSIBILITY FOR ANY ERRORS OR DEVIATION FROM THE CONTRACT REQUIREMENTS.

JOSH OLUND  
REVIEWER

08/26/2014  
DATE

Vermont Agency of Transportation

**RECEIVED**  
**ON: August 25, 2014**  
**and Checked for**  
**CONFORMANCE**  
**BY: Jennifer Fitch DATE: 08/27/2014**