

STAINLESS STEEL SHELF

**\*\*From Brookfield BRF FLBR(2)**

xx. DESCRIPTION. This work shall consist of detailing, fabricating, furnishing, and installing stainless steel ledges at the locations indicated in the Plans and as directed by the Engineer.

The work under this Section shall be performed in accordance with these provisions, the Plans, and Section 506 of the Standard Specifications.

xx. MATERIALS.

(a) Steel Components. Steel plates and shapes used for fabrication shall be Austenitic stainless steel conforming to ASTM A 240/A 240M or A 276, as applicable, and shall be hot-finished with a minimum yield strength of 30 ksi and minimum tensile strength of 70 ksi.

Stainless steel plates and shapes shall be Charpy V-notch tested in accordance with AASHTO T 243. The results of the test shall have a minimum average energy of 23 ft-lbf at 40°F.

(b) Hardware. Bolts, nuts, and washers shall be stainless steel conforming to ASTM F 593, Alloy Group 1, 2, or 3, Condition CW, with a minimum yield strength of 43 ksi and minimum tensile strength of 75 ksi.

xx. WELDING. All weld design details, quality of work, procedures, and inspection of welding shall conform to the requirements of AWS D1.6 Structural Welding Code - Stainless Steel and Subsection 506.10. Field welding will not be allowed.

xx. METHOD OF MEASUREMENT. The quantity of Special Provision (Stainless Steel Shelf) to be measured for payment will be for each shelf installed in the complete and accepted work.

xx. BASIS OF PAYMENT. The accepted quantity of Special Provision (Stainless Steel Shelf) will be paid for at the Contract unit price for each. Payment will be full compensation for detailing, furnishing, handling, transporting, welding, and installing the materials specified, including HSS members, angles, web shelf support plates, and all bolts, washers, and nuts required to construct the shelf and attach the shelf to the FRP Pontoon; and for furnishing all labor, tools, equipment, and incidentals necessary to complete the work.

Payment will be made under:

<u>Pay Item</u>	<u>Pay Unit</u>
900.620 Special Provision (Stainless Steel Shelf)	Each