Handrail Detail

SECTION B-B

- 10 x 3" Stainless Steel Decking Screws
- 2 ~ 0° Cbits
- 3/8" x 12" Stainless Steel Decking Screws (Centered in Post)
- Plastic Lumber 2" x 6" Post Mark D
- Plastic Lumber 6" x 10" Mark F

CROSS REFERENCES:
For locations of Sections A-A and B-B see Sheet 1.
For Section E-E see Sheet 3.

SECTION A-A

- 1/2" x 12" Stainless Steel Threaded Bars, Locking Nuts and Washers (4" x 6" Post to 6" x 10" Deck Support)

SECTION B-B

- 16" Composite Piles
- SCH 80 PVC Electrical Conduit
- Composite Lumber 10" x 10" Waves Mark A

SECTION D-D

- 2 ~ 1/2" Stainless Steel Threaded Bars, Locking Nuts and Washers (Typ.)
- Plastic Lumber 4" x 6" Post Mark D (Typ.)
- Plastic Lumber 8" x 8" Spence Blocks Mark B (Typ.)

SECTION C-C

- 1" x 8" Stainless Steel Threaded Bar, Locking Nuts and Washers
- SCH 80 PVC Electrical Conduit
- Composite Lumber 10" x 10" Waves Mark A

TYPICAL AT INTERMEDIATE PILES

TYPICAL STRAIGHT SECTION

DETAIL "A"
Minimum Clearance

Clearance Gauge Light

Plastic Lumber 2" x 6" Light Support Mark H2

Minimum Clearance Sign

Pipe Cutoff Elevation

Match Pile Cutoff Elevation

3'-6"

3'-6"

$\frac{3}{8}$" Stainless Steel Bolts, Locking Nuts & Washers (Typ.)

Wall Bracing Mark G

Wall Bracing Mark G

Stainless Steel Log Screws (Typ.)

$\frac{3}{8}$" Stainless Steel Bolts, Locking Nuts & Washers (Typ.)

$\frac{3}{8}$" x $\frac{1}{2}$" Stainless Steel Log Screws (Typ.)

Mark G1 (Typ.)

Mark G2 (Typ.)

Mark G3 (Typ.)

Clearance Gauge Mark H1 (each face)

Clearance Gauge Mark H2 (each face)

Clearance Gauge Mark H3 (each face)

$\frac{1}{8}$" Max. Elevation

VIEW H-H

(WALES, DECKING AND HANDRAIL
NOT SHOWN FOR CLARITY)

VIEW J-J

(WALES, PILES AND BRACING
NOT SHOWN FOR CLARITY)

Clearance Gauge Width Varies

CROSS REFERENCES:
For Structural, Composite and Plastic Lumber Bridge:

Footnotes: Quantities and Fender System Table Variables see Structures Plans.
### Structural Composite Lumber Bill of Materials

<table>
<thead>
<tr>
<th>MARK</th>
<th>SIZE (NOMINAL)</th>
<th>DIMENSIONS</th>
<th>BOARD FT. PER EACH</th>
<th>NO. REQ.</th>
<th>QUANTITY</th>
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<tbody>
<tr>
<td>A1</td>
<td>2&quot; X 10&quot; COMPOSITE LUMBER</td>
<td>39'-0&quot; (STRAIGHT)</td>
<td>266.6</td>
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<td>A2</td>
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<td>266.6</td>
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<td>A3</td>
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<tr>
<td>A4</td>
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<td>36'-0&quot; (STRAIGHT)</td>
<td>26.6</td>
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<tr>
<td>A5</td>
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<td>36'-0&quot; (STRAIGHT)</td>
<td>26.6</td>
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<tr>
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<td>36'-0&quot; (STRAIGHT)</td>
<td>26.6</td>
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### Plastic Lumber Bill of Materials

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<tr>
<td>B</td>
<td>8&quot; X 8&quot; PLASTIC LUMBER</td>
<td>TREE ELEV. LUM.</td>
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<td>C</td>
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<td>D</td>
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* All Plastic Lumber and Composite Lumber Dimensions and Quantities shown are based on Nominal Lumber Dimensions and may vary depending on Actual Lumber Dimension.

* Provide fiberglass Open Grating in lieu of 2" X 12" Plastic Lumber when called for in the Plans. Mounting hardware: when Stainless Steel. Installer Manufacturer's recommendations. See Index No. 21900 and Structures Plans for Notes and Details.

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**Fender System - Medium Duty**

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2010 FDOT Design Standards

![Image of Fender System - Medium Duty]