## GENERAL NOTES:

- U.S. COAST GUARD NOTIFICATION: Notify the local office of the U.S. Coast Guard at least 30 days prior to beginning of construction of the Fender System.
- POLYMERIC PILES Provide polymeric piles in accordance with Specification Section 471. Installation shall be in accordance with manufacturer's recommendations. All piles shall be plumb.
- PLASTIC LUMBER AND STRUCTURAL COMPOSITE LUMBER WALES: Provide only Plastic Lumber and Structural Composite Lumber Wales in accordance with Specification Section 973. Wales shall be continuous and spliced only at locations shown on the plans.
- PLASTIC LUMBER DECKING FOR CATWALKS: Provide Plastic Lumber decking for catwalks when called for in the Plans in accordance with Specification Section 973.

Install Plastic Lumber Decking according to manufacturer's recommendations using stainless steel #10 x 3" (minimum) deck screws.

FIBERGLASS OPEN GRATING FOR CATWALKS: Provide Fiberglass Open Grating for catwalks when called for in the Plans. Fiberglass Open Grating shall be a heavy duty design suitable for exterior installations. Maximum gap opening on the walkway surface shall be 1½". Design live loads and deflections shall be a 50 psf uniformly distributed load with a maximum deflection of  $\frac{3}{8}$ " or L/120 at the center of a simple span and a concentrated load of 250 pounds with a maximum deflection of  $\frac{1}{4}$ " at the center of a simple span. Color of Fiberglass Open Grating shall be gray or black.

Install Fiberglass Open Grating according to manufacturer's recommendations using stainless steel hardware, screws, bolts, nuts and washers. Attach Fiberglass Open Grating to Wales and Deck Supports at a 2'-O" maximum spacing so as to resist pedestrian live loads and uplift forces from wind, buoyancy and wave action.

- CLEARANCE GAUGE AND LIGHT: Clearance Gauge to be furnished by the FDOT and erected by the Contractor. Clearance Gauge width and numeral height is dependant on visibility distance. The required visibility distance shall be determined by the United States Coast Guard District Commander. Provide and install Clearance Gauge Light in accordance with Specification Section 510 and Index No. 21220.
- NAVIGATION LIGHTS: Provide and install Navigation Lights in accordance with Specification Section 510, Index No. 21220 and/or project specific details. Provide and maintain Temporary Navigation Lights during construction until permanent Navigation Lights are operational.

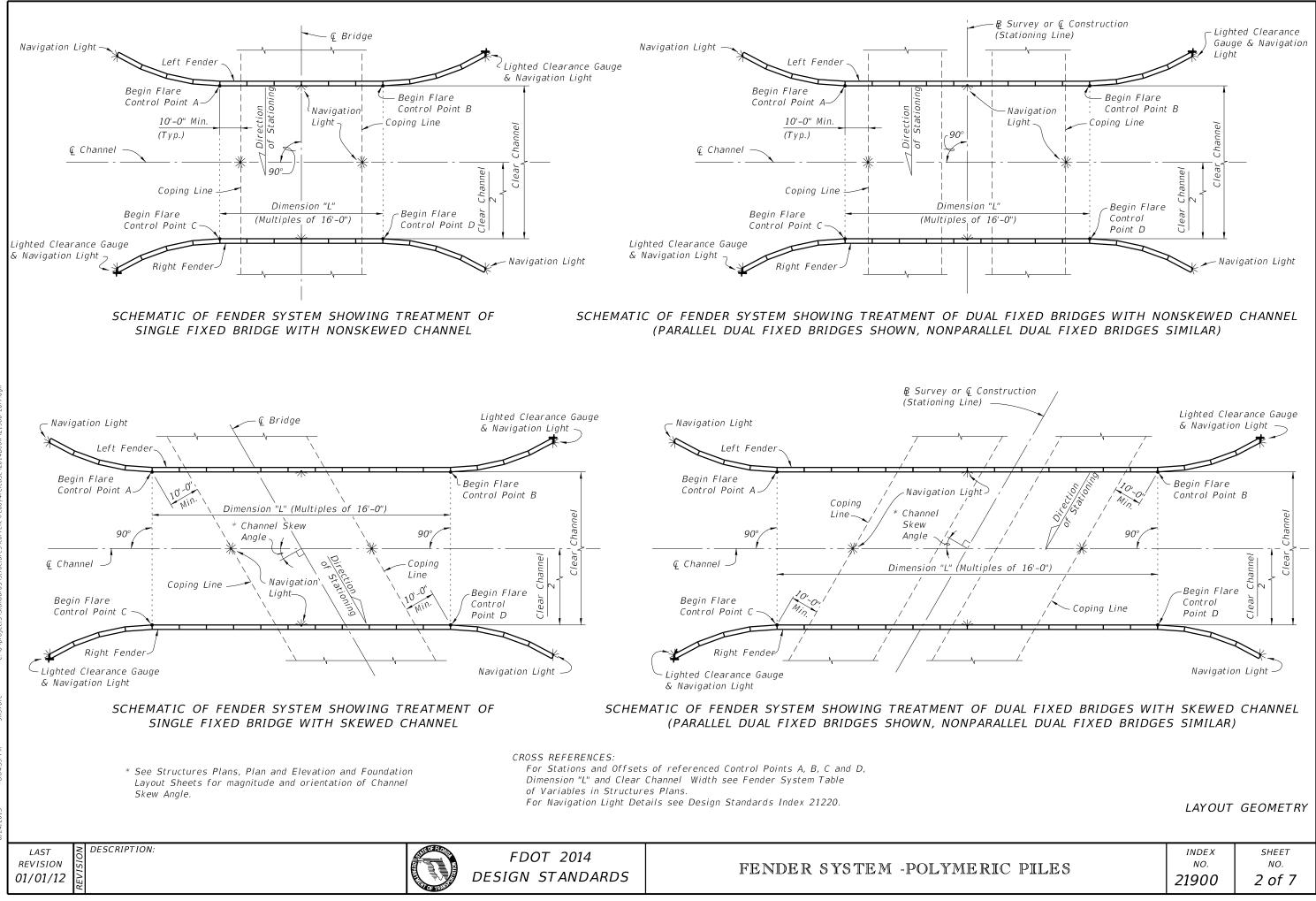
BOLTS, THREADED BARS, NUTS, SCREWS AND WASHERS: Furnish stainless steel Bolts in accordance with ASTM F593 Type 316. Furnish stainless steel Threaded Bars in accordance with ASTM A193 Grade B8M. Furnish stainless steel Nuts in accordance with ASTM F594 Type 316. Furnish stainless steel Screws in accordance with ASTM F593 Type 305. Furnish stainless steel Washers compatible with Bolts, Threaded Rods and Nuts under heads and nuts. Torque Nuts on 1" diameter Bolts and Threaded Bars to 150 lb-ft. Keep threads on Bolts, Threaded Bars and Nuts free from dirt, coarse grime and sand to prevent galling and seizing during tightening.

SPLICE PLATES: Furnish Splice Plates in accordance with ASTM A240 Type 316.





	GENER.	AL NOTES
IC PILES	index no. <b>21900</b>	<sup>SHEET</sup> NO. <b>1 of 7</b>



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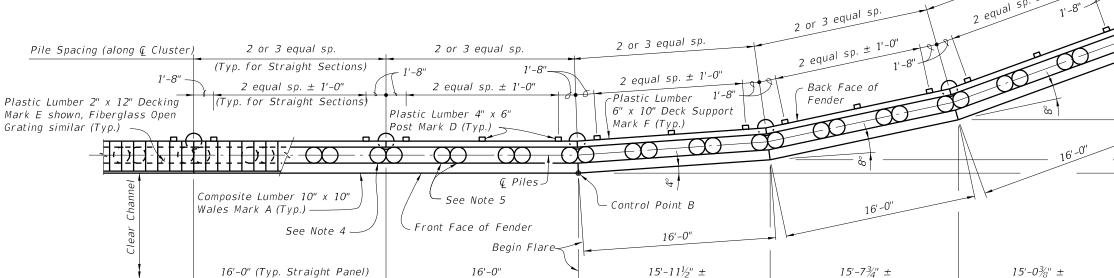
## CROSS REFERENCES:

For Sections A-A and B-B see Sheet 4.

For View F-F see Sheet 5.

## NOTES:

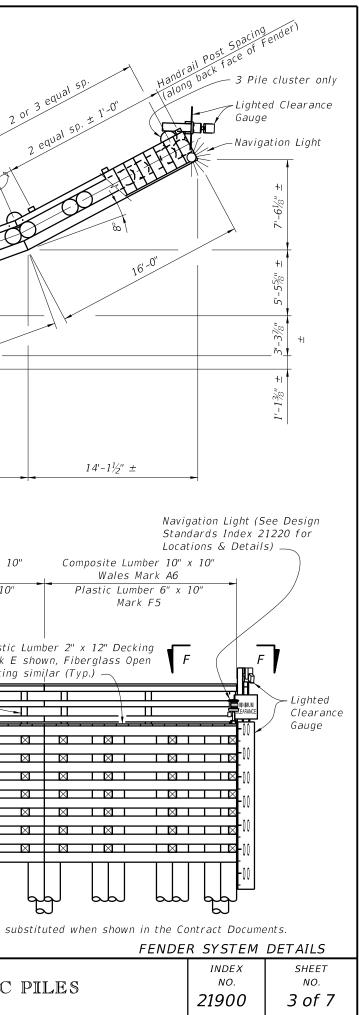
- 1. Plastic Lumber and Composite Lumber Dimensions shown are based on Nominal Lumber Dimensions and may vary depending on Actual Lumber Dimension. 2. Pile configuration shown is for example only.
- 3. Three (3) piles per cluster maximum.
- 4. Two (2) pile per cluster minimum at 16ft. Panel Joints. 5. Two (2) pile cluster shown, one (1) pile or three (3) pile cluster similar.

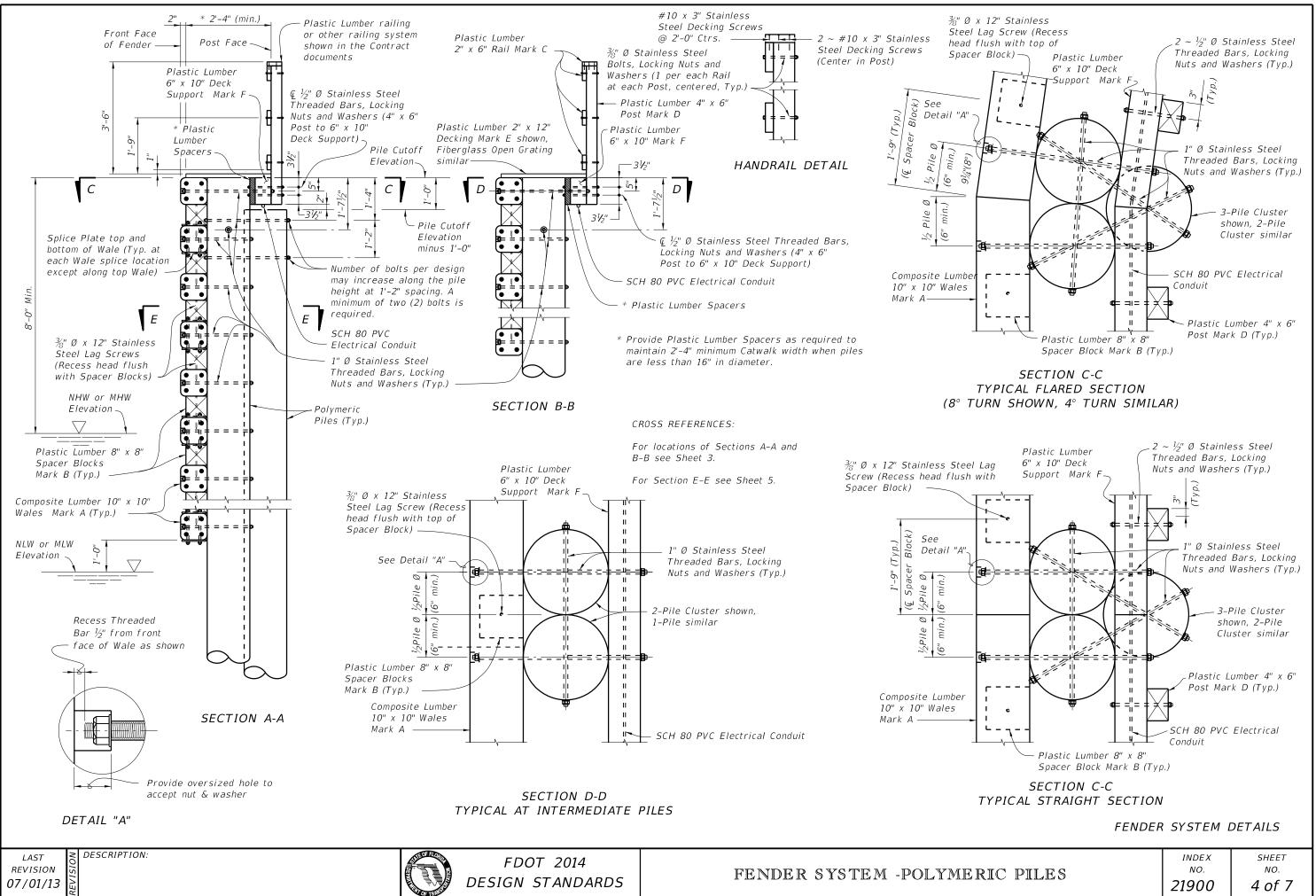


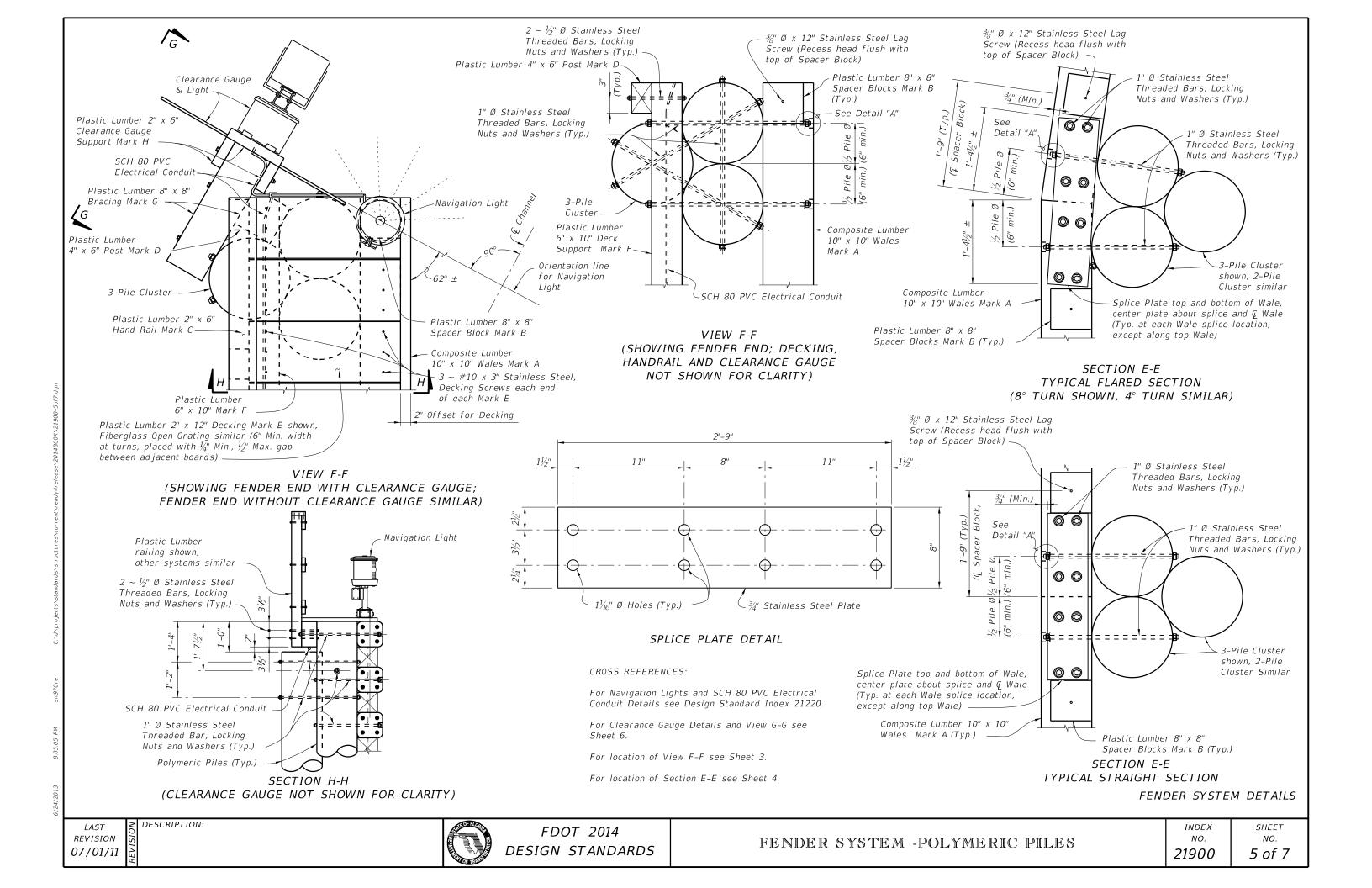
## PARTIAL PLAN VIEW (TYPICAL FLARE) (FLARE AT CONTROL POINT B SHOWN, CONTROL POINTS A, C & D SIMILAR) (HANDRAIL NOT SHOWN FOR CLARITY)

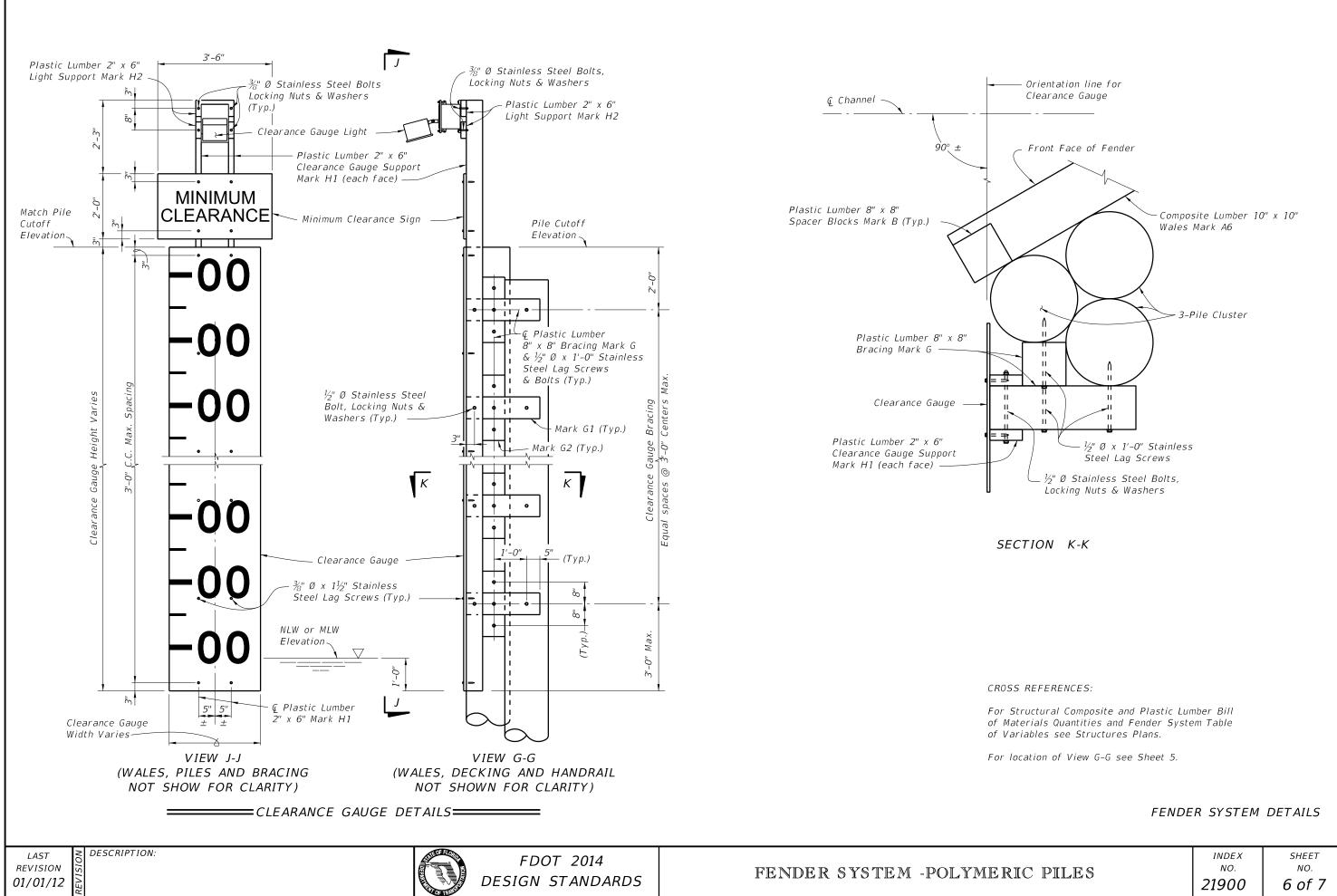
2 or 3 equal sp.

Composite Lumber 10" x 10" Wales Mark A1, A2 or A3	Composite Lumber	10" x 10" Wales Mark A2	Composite Lumber 10" x 10" Wales Mark A4	Composite Lumber 10" x 10" Wales Mark A5	Composite Lumber 10" x Wales Mark A5
Plastic Lumber 6" x 10" Mark F1	Plastic Lumber 6" x 10" Mark F1	Plastic Lumber 6" x 10" Mark F2	Plastic Lumber 6" x 10" Mark F3	Plastic Lumber 6" x 10" Mark F4	Plastic Lumber 6" x 1 Mark F4
	posite Lumber 10" x 10" ales Mark A1, A2 or A3	Composite Lumber 10" x 10" Wales Mark A3	Plastic Lumber 8" x 8"		Plastic Lumber Plas
Plastic Lumber 6" x 10" Mark F (Back Face, Top)		A B	Spacer Blocks Mark B (Typ.)	Plastic Lumber 2" x 6" Rail Mark C *	4" x 6" Post Mark Mark D (Typ.) * _ Grati
Mark	A (along Front Face of er) (Typ.)		Pile Clusters (Typ.)		↔ hther railing system may be
LAST DESCRIPTION: REVISION 05 07/01/13			OOT 2014 I STANDARDS	FENDER SYSTI	EM -POLYMERI









	* STRUCTU	IRAL COMPOSITE LUMBER	BILL OF M	ATERIALS	5	
MARK	SIZE (NOMINAL)	DIMENSIONS	BOARD FT. PER EACH	NO. REQD.	QUANTIT	
A1	10" X 10" COMPOSITE LUMBER	32'-0" (STRAIGHT)	266.6	nber		
A2	10" X 10" COMPOSITE LUMBER		266.6	Plastic Lur	res Plans	
A3	10" X 10" COMPOSITE LUMBER		133.3	al Composite and Plastic L Table in Structures Plans		
A4	10" X 10" COMPOSITE LUMBER		133.3	tructural Co	terials Table	
A5	10" X 10" COMPOSITE LUMBER		133.3	Estimated Structural Composite and Plastic Lumber Bill of Materials Table in Structures Plans		
A6	10" X 10" COMPOSITE LUMBER		133.3	See I		

- \* 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 shall be Stainless Steel, install per Manufacturer's recommendations. See Structures Plans for Notes and Details.

C PLAS	8" X 8" 5TIC LUMBER 2" X 6" 5TIC LUMBER 4" X 6"	8" (STRAIGHT) 16'-0" (STRAIGHT) (Trim & Miter Ends	3.6			
	STIC LUMBER					
D PLAS	4" X 6"	as required)	16.0			
	STIC LUMBER	4'-4" (STRAIGHT)	8.7			
	2" X 12" STIC LUMBER	2'-6" (STRAIGHT) (Miter as required)	5.0	nber		
	6" X 10" STIC LUMBER	16'-0" (STRAIGHT)	80.0	stic Lum	lans	
	6" X 10" PLASTIC LUMBER		79.6	site and Pla:	Structures <i>F</i>	
F3	6" X 10" PLASTIC LUMBER	<sup>3</sup> / <sub>8</sub> "−−− <sup>1</sup> / <sub>4</sub> " <sup>3</sup> / <sub>8</sub> "−−−− − − − − − − − − − − − − − − − − −	78.8	See Estimated Structural Composite and Plastic Lumber Bill of Materials Table in Structures Plans		
	6" X 10" PLASTIC LUMBER	<sup>3</sup> ⁄ <sub>8</sub> " → → → → → → → → → → → → → → → → → → →	78.4			
	6" X 10" PLASTIC LUMBER		79.2			
G1 PLAS	8" X 8" STIC LUMBER	2'-3" (STRAIGHT)	12.0	-		
G2 PLAS	8" X 8" STIC LUMBER	2'-0" (STRAIGHT)	10.7			
H1 PLAS	2" X 6" STIC LUMBER	PILE CUTOFF ELEV. MINUS NLW OR MLW ELEV. PLUS 5'-6" (STRAIGHT)	1.0 PER LF EACH			
H2 PLAS	2" X 6" STIC LUMBER	1'-0" (STRAIGHT)	1.0			

