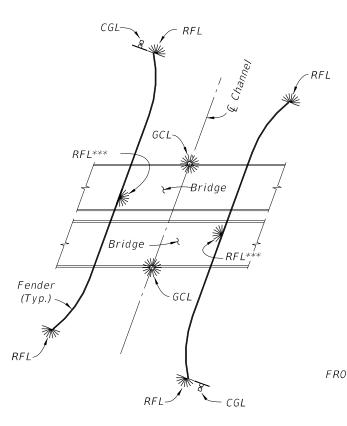
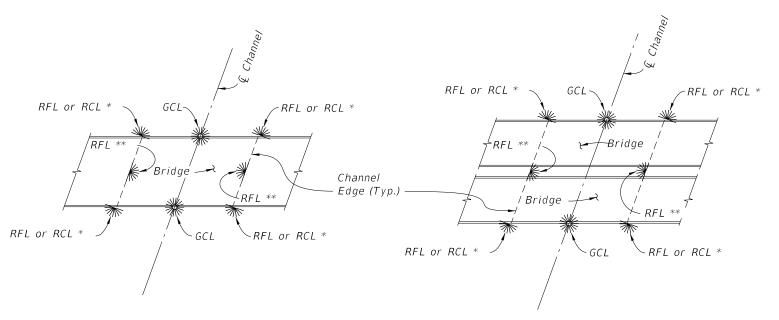


NAVIGATION LIGHT SYSTEM SCHEMATIC FOR SINGLE BRIDGE WITH FENDERS



NAVIGATION LIGHT SYSTEM SCHEMATIC FOR DUAL BRIDGES WITH FENDERS



NAVIGATION LIGHT SYSTEM SCHEMATIC FOR SINGLE BRIDGE WITHOUT FENDERS

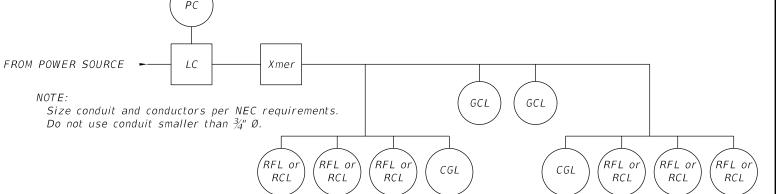
DESCRIPTION:

NAVIGATION LIGHT SYSTEM SCHEMATIC FOR DUAL BRIDGES WITHOUT FENDERS

- * Use RFL when Pier is at Channel Edge and see CFR, Title 33, part 118 for Mounting Height restrictions. Use RCL otherwise.
- ** Mounted only on the Pier that defines CM, otherwise does not apply.
- *** RFL to be located at mid length of straight portion of fender.

NAVIGATION LIGHT NOTES:

1. Provide Navigation Light System in compliance with Specifications Section 510.



TYPICAL ELECTRICAL SCHEMATIC DIAGRAM

POWER CONDUCTORS			
DISTANCE (feet)	VOLTS	CONDUCTOR	TRANSFORMER
0 - 75	120	#12 AWG	N/A
75 - 500	120 or 240	#10 AWG	N/A
500-1000	240	#10 AWG	N/A
1000-2000	480	#10 AWG	2 KVA
2000-5000	480	#8 AWG	2 KVA
5000-10000	480	#6 AWG	2 KVA
over 10000	480	#4 AWG	2 KVA

LEGEND

SYMBOL	DESCRIPTION

LC Lighting Contactor

PC Photocell Control

Xmer Transformer (If Required)

RFL Red Pier/Fender Light (180° visibility)
or
RCL Red Channel Margin Light (180° visibility)

GCL Green Center Channel Light (360° visibility)

△ CGL Clearance Gauge Light

CM Channel Margin or Pier inner surface whichever defines Channel Edge.

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LAST REVISION 11/01/17



