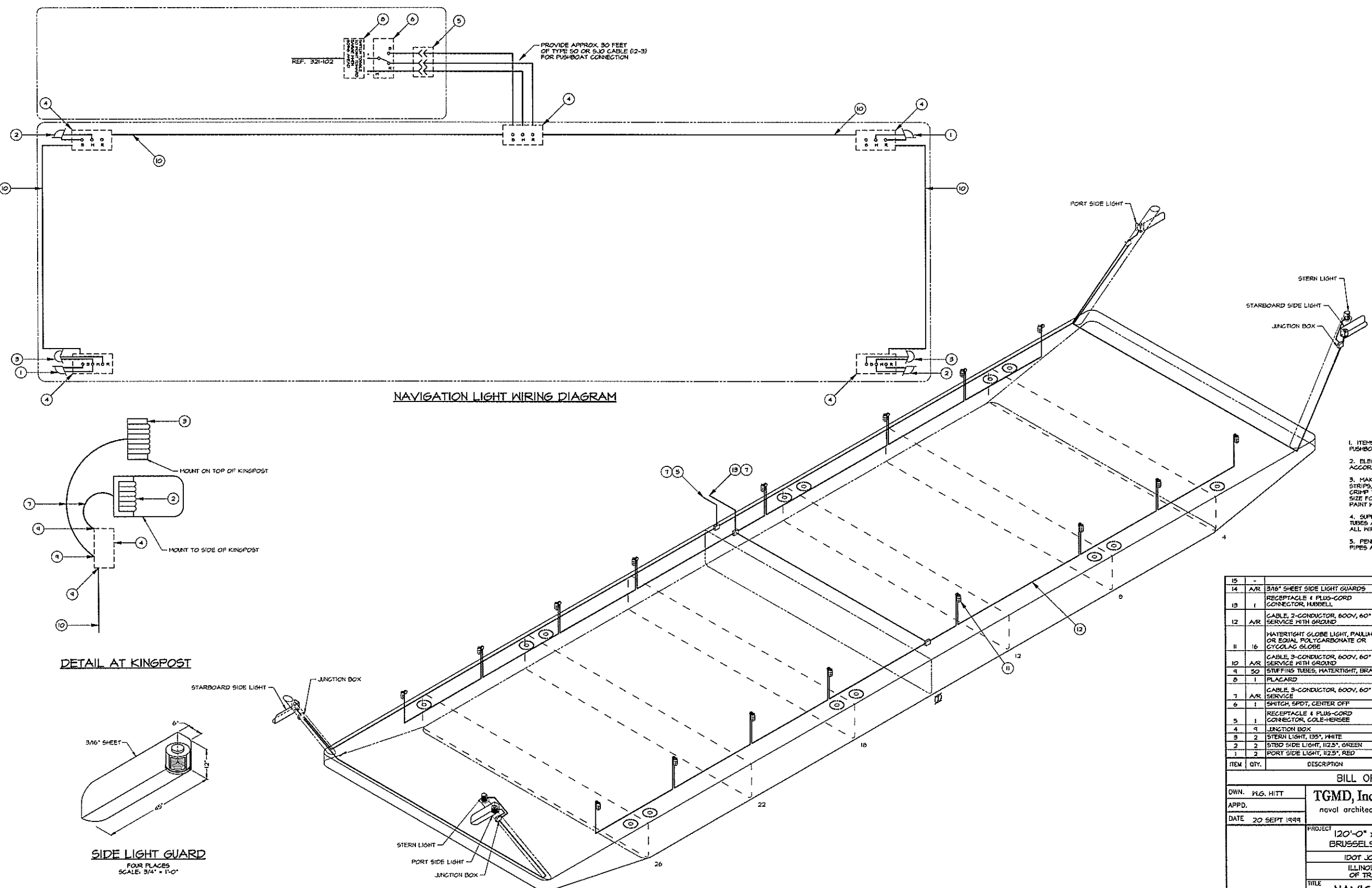


REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
1	FIRST ISSUE	09/20/99	



NAVIGATION LIGHT WIRING DIAGRAM

DETAIL AT KINGPOST

SIDE LIGHT GUARD  
FOUR PLACES  
SCALE: 3/4" = 1'-0"

GENERAL NOTES

- ITEMS 5, 6, AND 8 SHALL BE INSTALLED ON THE PUSH-BOAT.
- ELECTRICAL SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH 46CFR PART 183.
- MAKE ALL CONNECTIONS IN JUNCTION BOXES, TERMINAL STRIPS, OR AT FIXTURE EQUIPMENT. USE SOLDERLESS CRIMP TYPE CONNECTORS OF PROPER STYLE & CORRECT SIZE FOR WIRE & TERMINAL. USE STAR LOCKWASHERS AND PAINT WITH GYLTYAL ALL SCREW CONNECTIONS.
- SUPPORT ALL WIRES 14 INCHES C-C. PROVIDE STUFFING TUBES AT ALL WATER-TIGHT PENETRATIONS. PROTECT ALL WIRE FROM CHAFE.
- PENETRATIONS OF MAIN DECK TO BE MADE USING KICK PIPES AT LEAST 6 INCHES HIGH.

ITEM	QTY.	DESCRIPTION	MATERIAL/SPECIFICATION/REMARKS
15	-	3/16" SHEET SIDE LIGHT GUARDS	-
14	A/R	RECEPTACLE & PLUS-CORD CONNECTOR, HUBBELL	30 AMP, 250V/100A, 14CH25H0A, 20CH11, 60CH11
13	1	CABLE, 2-CONDUCTOR, 600V, 60" SERVICE WITH GROUND	ANS 14-2, TYPE D53U-4
12	A/R	CABLE, 3-CONDUCTOR, 600V, 60" SERVICE WITH GROUND	ANS 12-3, TYPE T56U-6
11	16	WATER-TIGHT GLOBE LIGHT, PAULIUM OR EQUAL POLYCARBONATE OR CYCLOGAG GLOBE	60 OR 100A, 101AP6 OR 101AMP6
10	A/R	CABLE, 3-CONDUCTOR, 600V, 60" SERVICE WITH GROUND	ANS 12-3, TYPE T56U-6
9	50	STUFFING TUBES, WATER-TIGHT, BRASS TO SUIT WIRE	
8	1	PLACARD	WHITE / BLACK
7	A/R	CABLE, 3-CONDUCTOR, 600V, 60" SERVICE	ANS 12-3, TYPE 60 OR EQ.
6	1	SWITCH, SPDT, CENTER OFF	COMMERCIAL, 12 VDC SERVICE
5	1	RECEPTACLE & PLUS-CORD CONNECTOR, COLE-HERSEE	20 AMP, M-1231
4	1	JUNCTION BOX	COMMERCIAL, WATER-TIGHT
3	2	STERN LIGHT, 135°, WHITE	PERKO 1121 6AO BLK OR EQUAL
2	2	STBD SIDE LIGHT, 112.5°, GREEN	PERKO 1121 6AO BLK OR EQUAL
1	2	PORT SIDE LIGHT, 112.5°, RED	PERKO 1121 6AO BLK OR EQUAL
ITEM	QTY.	DESCRIPTION	MATERIAL/SPECIFICATION/REMARKS

BILL OF MATERIALS

OWN: M.G. HITT  
 APPD: TGMD, Inc. / Timothy Graul marine design  
 DATE: 20 SEPT 1999  
 PROJECT: 120'-0" x 35'-0" x 4'-9" BRUSSELS FERRY BARGE  
 IDOT JOB: D-48-018-99  
 ILLINOIS DEPARTMENT OF TRANSPORTATION  
 TITLE: NAVIGATION AND DECK LIGHTS

Project No. 99005  
 Scale: 3/16" = 1'-0"  
 REV. - Date: 09/20/99  
 Drawing No. 422-201

Proj. 99005 Dwg. 422-201 Rev. 1 Title NAVIGATION AND DECK LIGHTS