



SYMBOLS	
	FLOW DIRECTION
	VALVE, BALL
	VALVE, BUTTERFLY
	VALVE, ANGLE HOSE
	VALVE, CHECK
	STRAINER
	SUCTION STRAINER
	PRESSURE SENSOR
	PUMP, FIRE/BILGE
	OVERBOARD DISCHARGE
	SEA CHEST
	STUFFING BOX SUMP PUMP
	REMOTE OPERATED LEVER
	FIRE HOSE
	FLEXIBLE HOSE

- NOTES:
1. PROVIDE DRAINS AT LOW POINTS TO AVOID FREEZE-UP DURING WINTER CONDITIONS.
 2. BUTTERFLY VALVE ON OVERBOARD DISCHARGE IS FOR THROTTLING OF BILGE PUMP FLOW TO ACHIEVE ADEQUATE NET POSITIVE SUCTION HEAD.
 3. POSITION BILGE SUCTION SO THAT BOTTOM OF BELLMOUTH IS APPROX 1/2" ABV BOTTOM SHELL PLATE.
 4. ALL PIPE IS SCHED 40, GALVANIZED.
 5. SEE MACHINERY LIST ON SHEET 233-101 FOR PUMP SPECIFICATIONS.

FIRE/BILGEMAIN DIAGRAM
SCALE: NONE



FILE NAME =	USER NAME =	DESIGNED - A. WINKLEY	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IDOT BRUSSELS FERRY FIREMAIN AND BILGE PIPING - PUSHBOAT	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		DRAWN - J. WALKER	REVISED -			304	21-3	JERSEY	47	35	
PLOT SCALE =	CHECKED - P. MARTIN	REVISED -				CONTRACT NO. 76D29					
PLOT DATE =	DATE - 7/19/2011	REVISED -				FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					
SCALE: NONE SHEET NO. OF SHEETS STA. TO STA.											