P = PROTECTED

2000	FTB109 1P 1	16 YL 2005	(PUMP 2 SEAL FAILURE) FTB105:4
2001	FTB109 2P 2	16 YL 2007	(PUMP 2 CONTROLLER SPD FAILURE) FTB106:1
2002	FTB109 3P 3	16 YL 2006	(PUMP 2 OVER TEMPERATURE) FTB106:2
2003	FTB109 4P 4	16 YL 2012	(PUMP 2 CONTROLLER ENCLOSURE) HI TEMPERATURE ALARM FTB106:3
2004	FTB110 1P 1		SPARE TERMINAL SPACE (2)
2005	FTB110 2P 2	16 YL 0950	(OPTI-FLOAT PANEL) FAILURE ALARM FTB302:2
2006	FTB110 3P 3		SPARE TERMINAL SPACE
2007	FTB110 4P 4		SPARE TERMINAL SPACE
2008	FTB111 1P 1	16 OR 3001	PUMP 3 RUNNING FTB103:1
2009	FTB111 2P 2	16 WT 3003	PUMP 3 NOT IN AUTO FTB103:2
2010	FTB111 3P 3	16 YL 3010	PUMP 3 VFD FAILURE ACTIVE FTB103:3
2011	FTB111 4P 4	16 YL 3011	PUMP 3 SSRVS FAILURE ACTIVE FTB103:4
2012	FTB112 1P 1		RTU SPARE INPUT
2013	FTB112 2P 2		RTU SPARE INPUT
2014	FTB112 3P 3		SPARE TERMINAL (3)
2015	FTB112 4P 4		RTU SPARE INPUT
2016	FTB113 1P 1		RTU SPARE INPUT
2017	FTB113 2P 2		RTU SPARE INPUT
2018	FTB113 3P 3		RTU SPARE INPUT
2019	FTB113 4P 4	16 YL 3005	(PUMP 3 SEAL FAILURE) FTB105:4
2020	FTB114 1P 1	16 YL 3007	(PUMP 3 CONTROLLER SPD FAILURE) FTB106:1
2021	FTB114 2P 2	16 YL 3006	(PUMP 3 OVER TEMPERATURE) FTB106:2
2022	FTB114 3P 3	16 YL 3012	(PUMP 3 CONTROLLER ENCLOSURE) HI TEMPERATURE ALARM FTB106:3
2023	FTB114 4P 4		RTU SPARE INPUT
2024	FTB115 1P 1		RTU SPARE INPUT
2025	FTB115 2P 2	16 BL 24VDC(+)	(OPTICAL FLOAT PANEL) SOURCE 24VDC(+) FTB100:1
2026	FTB115 3P 3	16 GY 24VDC(-)	(OPTICAL FLOAT PANEL) SOURCE 24VDC(-) FTB100:2
2027	FTB115 4P 4	16 YL 0004	(OPTICAL FLOAT PANEL) LOCAL FLOAT OVERIDE PUMP START FTB303:3 (1)
2028	FTB116 1P 1	16 YL 0933	(OPTICAL FLOAT PANEL) LOCAL FLOAT OVERIDE PUMP START FTB303:4
2029	FTB116 2P 2		SPARE TERMINAL
2030	FTB116 3P 3		SPARE TERMINAL
2031	FTB116 4P 4		SPARE TERMINAL
2032			
2033			
2034			
2035			

SCALE: N.T.S.
DESIGN: IAG / LS
DRAWN BY: JG
APPROVED BY: WW

NO	REVISION	DATE	BY
1	REVISED WIRE DESTINATION	12-10-2013	JG
2	RELOCATED WIRING TO LIT-2	01-28-2015	JG
3	REMOVED PUMP DISAGREE WIRING	06-15-2015	

WASTEWATER DIVISION,
INDUSTRIAL AUTOMATION GROUP

CITY OF
ORLANDO, FLORIDA

TITLE:
LIFT STATIONS STANDARDS
RTU FOR ≥ 50 HP VFD WITH SSRVS PUMP
CONTROL PANEL (PCP)
WIRING ASSIGNMENTS DETAIL
PART 2

SHEET
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