

Order Plans @

PANELBOARD: MDP (NEW)
BUS AMP: 800A
MAIN SERVICE: 208V/120V, 3PH, 4W
SECTION 1

CMT NO.	DESCRIPTION	VOLT/PHASE			WIRE NO.	BKR NO.	P	BKR NO.	WIRE NO.	VOLT/PHASE			DESCRIPTION	CMT NO.
		A	B	C						A	B	C		
1	PANEL RPA (1)	208	120	208	225	3	5	225	11,700	6,705	11,700	PANEL RPA (1)	1	
2	PANEL RPB (1)	208	120	208	225	3	5	100	4,600	4,600	4,600	PANEL RPB (1)	2	
3	PANEL RPC (1)	208	120	208	225	3	5	100	6,200	6,200	6,200	PANEL RPC (1)	3	

PANELBOARD: RPC (NEW)
BUS AMP: 200A
MAIN SERVICE: 208V/120V, 3PH, 4W
SECTION 1

CMT NO.	DESCRIPTION	VOLT/PHASE			WIRE NO.	BKR NO.	P	BKR NO.	WIRE NO.	VOLT/PHASE			DESCRIPTION	CMT NO.
		A	B	C						A	B	C		
1	GENERAL PUMP RECPT	208	120	208	10	1	1	10	1,200	1,200	1,200	GENERAL PUMP RECPT	1	
2	WATER SERV. UNIT	208	120	208	10	1	1	10	1,200	1,200	1,200	WATER SERV. UNIT	2	

PANELBOARD: RPB (NEW)
BUS AMP: 100A
MAIN SERVICE: 208V/120V, 3PH, 4W
SECTION 1

CMT NO.	DESCRIPTION	VOLT/PHASE			WIRE NO.	BKR NO.	P	BKR NO.	WIRE NO.	VOLT/PHASE			DESCRIPTION	CMT NO.
		A	B	C						A	B	C		
1	F.P. PETRO VFD CONTROLLER	208	120	208	8	2	3	20	800	800	800	F.P. PETRO VFD CONTROLLER	1	

PANELBOARD: RPA (NEW)
BUS AMP: 200A
MAIN SERVICE: 208V/120V, 3PH, 4W
SECTION 1

CMT NO.	DESCRIPTION	VOLT/PHASE			WIRE NO.	BKR NO.	P	BKR NO.	WIRE NO.	VOLT/PHASE			DESCRIPTION	CMT NO.
		A	B	C						A	B	C		
1	TIME IN FUSED SERVICE	208	120	208	12	2	1	30	15	15	15	TIME IN FUSED SERVICE	1	

PANELBOARD: RPD (NEW)
BUS AMP: 200A
MAIN SERVICE: 208V/120V, 3PH, 4W
SECTION 1

CMT NO.	DESCRIPTION	VOLT/PHASE			WIRE NO.	BKR NO.	P	BKR NO.	WIRE NO.	VOLT/PHASE			DESCRIPTION	CMT NO.
		A	B	C						A	B	C		
1	DRINKING WATER RECPT	208	120	208	10	1	1	10	1,200	1,200	1,200	DRINKING WATER RECPT	1	

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CMT NO.	DESCRIPTION	VOLT/PHASE			WIRE NO.	BKR NO.	P	BKR NO.	WIRE NO.	VOLT/PHASE			DESCRIPTION	CMT NO.
		A	B	C						A	B	C		
1	STREET LIGHTING	208	120	208	12	2	1	30	15	15	15	STREET LIGHTING	1	

PANELBOARD: RPB (NEW)
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CMT NO.	DESCRIPTION	VOLT/PHASE			WIRE NO.	BKR NO.	P	BKR NO.	WIRE NO.	VOLT/PHASE			DESCRIPTION	CMT NO.
		A	B	C						A	B	C		
1	1A1 FAN UNITS	208	120	208	12	2	1	30	15	15	15	1A1 FAN UNITS	1	

PANELBOARD: RPU (NEW)
BUS AMP: 100A
MAIN SERVICE: 208V/120V, 3PH, 4W
SECTION 1

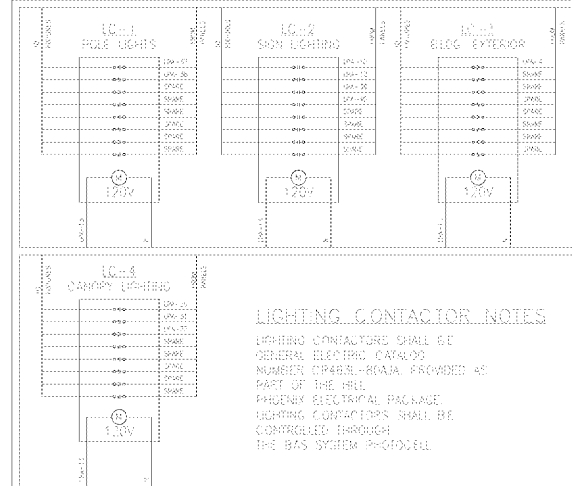
CMT NO.	DESCRIPTION	VOLT/PHASE			WIRE NO.	BKR NO.	P	BKR NO.	WIRE NO.	VOLT/PHASE			DESCRIPTION	CMT NO.
		A	B	C						A	B	C		
1	1B4 TRANSFER OVER	208	120	208	12	2	1	30	15	15	15	1B4 TRANSFER OVER	1	

PANELBOARD: RPH (NEW)
BUS AMP: 100A
MAIN SERVICE: 208V/120V, 3PH, 4W
SECTION 1

CMT NO.	DESCRIPTION	VOLT/PHASE			WIRE NO.	BKR NO.	P	BKR NO.	WIRE NO.	VOLT/PHASE			DESCRIPTION	CMT NO.
		A	B	C						A	B	C		
1	1B4 TRANSFER OVER	208	120	208	12	2	1	30	15	15	15	1B4 TRANSFER OVER	1	

BUILDING ELECTRICAL SERVICE LOAD SUMMARY

LOAD DESCRIPTION	CONNECTED	DEMAND	
HVAC - SUMMER	75.37	100%	75.37
HVAC - WINTER	4.18	100%	0.00
LIGHTING (PER NEC-200)	7.90	120%	9.48
RECEPTACLES	20.61	100%	20.61
KITCHEN EQUIPMENT	92.23	50%	46.11
MISCELLANEOUS EQUIPMENT	43.95	100%	43.95
REGULATION EQUIPMENT	20.83	100%	20.83
DISPLAY CASES/SHRAGE	0.00	120%	0.00
EXTERIOR LIGHTING	12.00	120%	14.40
TOTAL LOAD	200.04	N/A	200.04
TOTAL AMPACITY	834.43	AMPS	732.27
SERVICE AMPLACITY	800	AMPS	800.00
SPARE CAPACITY		AMPS	69.73



1 ELECTRICAL LIGHTING CONTACTOR
E5 NOT TO SCALE

1925 Prospect Ave.
Oxford, MD 21654
(410) 668-1100
(410) 668-9101
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Chahaci & Peterson
Architects Engineers Planners

WAWA
280 W BALTIMORE PIKE
WAWA, PA 19083

PROJECT NAME: WAWA U45-FB1A-M v2017.01
STORE #6661-STO
Newtown Rd & Stoney Point St.
Norfolk, VA

Revision Schedule
No. Description Date
1 PERMIT SET 05/11/2018
2 PRE-BID REVIEW SET 01/09/2019
3 BID SET 01/29/2019

PROJECT NO. 270577
DATE 05-11-18
DRAWN M.L.B.
CHECKED JM

ELECTRICAL PANEL SCHEDULES
E5