ELECTRICAL SYMBOL SCHEDULE (SYMBOLS ARE STANDARD AND MAY NOT ALL BE USED FOR EVERY PROJECT)

	2'x4' FLUORESCENT FIXTURE/ WITH EMERGENCY	S	SINGLE POLE SWITCH		20A SINGLE RECEPTACLE		TRANSFORMER
	2'x4' FLUORESCENT FIXTURE WITH PARABOLIC/ WITH EMERGENCY	S_2	TWO POLE SWITCH		SPECIAL PURPOSE RECEPTACLE		DISCONNECT SWITCH
	1'x4' FLUORESCENT FIXTURE/ WITH EMERGENCY	S_3	THREE WAY SWITCH		SWITCHED 20A-120V DUPLEX RECEPTACLE		FUSED DISCONNECT SWITCH
	2'x2' FLUORESCENT FIXTURE/ WITH EMERGENCY	S_4	FOUR WAY SWITCH		20A-120V DUPLEX RECEPTACLE WITH MOUNTING HEIGHT (18" IF NOT NOTED)		STARTER DISCONNECT SWITCH
	2'x2' FLUORESCENT FIXTURE WITH PARABOLIC/ WITH EMERGENCY	S_T	MANUAL MOTOR STARTER SWITCH		20A-120V DOUBLE DUPLEX RECEPTACLE		STARTER
	RECESSED INCANDESCENT CAN FIXTURE/ WITH EMERGENCY	S_{DM}	DIMMER SWITCH	IG	20A-120V DUPLEX ISOLATED GROUND RECEPTACLE		MOTOR WITH DISCONNECT SWITCH
	METAL HALIDE LIGHT FIXTURE/ WITH EMERGENCY	S_K	KEYED SWITCH	CTR	20A-120V DUPLEX COUNTER TOP MOUNTED RECEPTACLE		MOTOR - SIZE AND TYPE AS NOTED
NL	METAL HALIDE LIGHT FIXTURE USED AS A EMERGENCY/NIGHT LIGHT	S_L	LOW VOLTAGE SWITCH	WP	20A-120V DUPLEX WEATHERPROOF RECEPTACLE	FB	FLOOR BOX
	WALL MOUNTED FIXTURES	S_{MC}	MOMENTARY CONTACT SWITCH	GFI	20A-120V DUPLEX GFI RECEPTACLE	C	DOOR CONTROLLER
	COMBINATION FAN/LIGHT	OS	WALL MOUNTED DUAL TECHNOLOGY OCCUPANCY SENSOR WATT STOPPER MODEL #DT-200	TR	20A-120V DUPLEX TAMPER RESISTANT RECEPT	T	THERMOSTAT
	WALL MOUNTED BATTERY LIGHT	OS	WALL SWITCH MOUNTED DUAL TECHNOLOGY OCC SENSOR WATT STOPPER MODEL DW-SERIES		20A-120V SIMPLEX FLOOR MOUNTED RECEPTACLE	MOD	MOTOR OPERATED DAMPER
	SINGLE AND DOUBLE REMOTE HEADS	OS	WALL SWITCH MOUNTED ULTRASONIC OCCUPANCY SENSOR WATT STOPPER MODEL UW-SERIES		20A-120V DUPLEX FLOOR MOUNTED RECEPTACLE		PUSH BUTTON
	SINGLE FACE EXIT LIGHTS	OS	CEILING MOUNTED DUAL TECHNOLOGY OCCUPANCY SENSOR WATT STOPPER MODEL #DT-300		20A-120V DOUBLE DUPLEX FLOOR MOUNTED RECEPTACLE	B	BUZZER
	DOUBLE FACE EXIT LIGHTS	OS	CEILING MOUNTED DUAL TECHNOLOGY OCCUPANCY SENSOR WATT STOPPER MODEL #DT-300		20A-120V DOUBLE DUPLEX CEILING MOUNTED RECEPTACLE	TV	CABLE TV OUTLET W/3/4" CONDUIT TO ABOVE LIFT OUT CEILING.
	VOICE OUTLET WITH 3/4" EMPTY CONDUIT TO ABOVE LIFT-OUT CEILING	J P	JUNCTION BOX W/LOW VOLTAGE POWER SUPPLY FOR OCCUPANCY SENSORS		20A-120V DOUBLE DUPLEX CEILING MOUNTED RECEPTACLE	CR	CARD READER
	DATA OUTLET WITH 3/4" EMPTY CONDUIT TO ABOVE LIFT-OUT CEILING	PC	PHOTOCELL		20A-120V DOUBLE DUPLEX CEILING MOUNTED RECEPTACLE		CCTV CAMERA
	VOICE/DATA OUTLET WITH 3/4" EMPTY CONDUIT TO ABOVE LIFT-OUT CEILING	TC	TIME CLOCK		PANEL-120/208 VOLT-3 PHASE	DL	ELECTRIC DOOR LOCK
J	JUNCTION BOX		CONTACTOR-SIZE & TYPE AS NOTED		PANEL-277/480 VOLT-3 PHASE		

FACP	FIRE ALARM CONTROL PANEL
FAA	FIRE ALARM ANNUNCIATOR PANEL
	HORN/STROBE 15/30/75/115
	STROBE 15/30/75/115
	HORN
F	MANUAL PULL STATION
	DUCT SMOKE DETECTOR
S	SMOKE DETECTOR
S	SMOKE DETECTOR WITH SOUNDER
H	HEAT DETECTOR
FS	CONNECTION TO WATER FLOW SWITCH
TS	CONNECTION TO TAMPER SWITCH
	ADDRESSIBLE INPUT MODULE
R	OUTPUT RELAY
LT	FARMOSTAT (LOW TEMPERATURE)
	CONNECTION TO LOW AIR PRESSURE SWITCH
DH	MAGNETIC DOOR HOLDER
K	KEY PAD

ELECTRICAL ABBREVIATIONS

A	AMPERES	MCC	MOTOR CONTROL CENTER
AC	ALTERNATING CURRENT	MH	MANHOLE
AFF	ABOVE FINISHED FLOOR	MOD	MOTOR OPERATED DAMPER
AFG	ABOVE FINISHED GRADE	NL	NIGHT LIGHT
ALUM.	ALUMINUM	NO	NUMBER
ATS	AUTOMATIC TRANSFER SWITCH	P	POLE
BFG	BELOW FINISHED GRADE	PCS	PROCESS CONTROL SYSTEM
BLDG	BUILDING	PLC	PROGRAMMABLE LOGIC CONTROLLER
EC	EMERGENCY CIRCUIT	PH	PHASE
C	CONDUIT	PMD	PROGRAMMABLE MESSAGE DISPLAY
CTR	COUNTERTOP MOUNTED	PRESS	PRESSURE
D	DEEP	PRI	PRIMARY
DC	DIRECT CURRENT	RC	RECEPTACLE CIRCUIT
DISC	DISCONNECT	RS	RIGID STEEL
DO	DISSOLVED OXYGEN	SCH	SCHEDULE
DWG	DRAWING	SEC	SECONDARY
EXIST	EXISTING	SHLD	SHIELDED
F	FUSE	SN	SOLID NEUTRAL
FLA	FULL LOAD AMPS	SS	STAINLESS STEEL
GFI	GROUND FAULT INTERRUPTER	SW	SWITCH
GRD	GROUND	T	TOE SPACE MOUNTED
H	HIGH	TYP	TYPICAL
HP	HORSEPOWER	V	VOLTS
INSTR	INSTRUMENTATION	VFD	VARIABLE FREQUENCY DRIVE
I/O	INPUT/OUTPUT	W	WATTS, WIDE
KW	KILOWATTS	WP	WEATHERPROOF
KV	KILOVOLTS	XFMR	TRANSFORMER
LC	LIGHTING CIRCUIT		

MECHANICAL EQUIPMENT SCHEDULE

TAG	HP (KW)	FLA	MCA	MOCP	VOLTS	PHASE	DESCRIPTION

PANELBOARD NB

RATINGS: 120/208V, 3PH, 4W + G — BUS RATING:
MOUNTING: RECESSED — MAIN RATING:
MIN. SHORT CIRCUIT RATING: AMPS

LOAD A	LOAD B	LOAD C	LOAD DESCRIPTION	BKR P	BKR AMP	CKT NO.	PH	CKT NO.	BKR AMP	BKR P	LOAD DESCRIPTION	LOAD A	LOAD B	LOAD C
10			RECEPTACLES	1	20	1	A	2	20	1	RECEPTACLES	7		
	3		RECEPTACLES	1	20	3	B	4	20	1	RECEPTACLES		7	
		5	RECEPTACLES	1	20	5	C	6	20	1	RECEPTACLES			3
8			RECEPTACLES	1	20	7	A	8	20	1	RECEPTACLES	7		
	8		REFRIGERATOR	1	20	9	B	10	20	1	RECEPTACLES		2	
		2	RECEPTACLES	1	20	11	C	12	20	1	RECEPTACLES			2
2			RECEPTACLES	1	20	13	A	14	20	1	RECEPTACLES	2		
	2		RECEPTACLES	1	20	15	B	16	-	1			0	
		0		1	-	17	C	18	-	1				0
0				1	-	19	A	20	-	1		0		
	0			1	-	21	B	22	-	1			0	
		0		1	-	23	C	24	-	1				0
0				1	-	25	A	26	-	1		0		
	0			1	-	27	B	28	-	1			0	
		0		1	-	29	C	30	-	1				0
0				1	-	31	A	32	-	1		0		
	0			1	-	33	B	34	-	1			0	
		0		1	-	35	C	36	-	1				0
0				1	-	37	A	38	-	1		0		
	0			1	-	39	B	40	-	1			0	
		0		1	-	41	C	42	-	1				0

COMMENTS:

A	B	C	
35.0	21.7	11.7	TOTAL AMPS - PHASE A, B, C
8 KVA		23 AMPS	TOTAL CONNECTED LOAD
8 KVA		23 AMPS	TOTAL DEMAND LOAD - NO SPARE

PANELBOARD NA

RATINGS: 120/208V, 3PH, 4W + G — BUS RATING:
MOUNTING: — MAIN RATING:
MIN. SHORT CIRCUIT RATING: AMPS

LOAD A	LOAD B	LOAD C	LOAD DESCRIPTION	BKR P	BKR AMP	CKT NO.	PH	CKT NO.	BKR AMP	BKR P	LOAD DESCRIPTION	LOAD A	LOAD B	LOAD C
8			RECEPTACLES	1	20	1	A	2	20	1	RECEPTACLES	8		
	8		RECEPTACLES	1	20	3	B	4	20	1	RECEPTACLES		8	
		2	RECEPTACLES	1	20	5	C	6	20	1	RECEPTACLES			3
3			RECEPTACLES	1	20	7	A	8	20	1	RECEPTACLES	3		
	4		WATER COOLER	1	20	9	B	10	20	1	SOUND EQUIPMENT		4	
		2	ELEV. PIT SUMP PUMP	1	20	11	C	12	20	1	SOUND EQUIPMENT			4
4			ELEV. PIT LTS/RECEPT.	1	20	13	A	14	-	1		0		
	4		ELEV. CAB LTS/EXH. FAN	1	20	15	B	16	-	1			0	
		0		1	-	17	C	18	-	1				0
0				1	-	19	A	20	-	1		0		
	0			1	-	21	B	22	-	1			0	
		0		1	-	23	C	24	-	1				0
0				1	-	25	A	26	-	1		0		
	0			1	-	27	B	28	-	1			0	
		0		1	-	29	C	30	-	1				0
0				1	-	31	A	32	-	1		0		
	0			1	-	33	B	34	-	1			0	
		0		1	-	35	C	36	-	1				0
0				1	-	37	A	38	-	1		0		
	0			1	-	39	B	40	-	1			0	
		0		1	-	41	C	42	-	1				0

COMMENTS:

A	B	C	
27.5	29.2	11.6	TOTAL AMPS - PHASE A, B, C
0 KVA		0 AMPS	TOTAL CONNECTED LOAD
0 KVA		0 AMPS	TOTAL DEMAND LOAD - NO SPARE

PREPARED FOR:

CORNERSTONE DESIGN•ARCHITECTS
48-50 W. CHESTNUT STREET, SUITE 400
P.O. BOX 1786
LANCASTER, PA 17608
TEL: 717.435.1800 FAX: 717.435.1801

PARAGON Engineering Services
MECHANICAL • ELECTRICAL • PLUMBING
CORPORATE OFFICE
2201 South Queen Street, York, PA. 17402 • (717) 854-7374 • Fax (717) 854-5533 • Email: INFO@PEServices.org
LEHIGH VALLEY OFFICE
5000 Tilghman St, Suite 345 Allentown, PA. 18104 • (484) 244-2980 • Fax (610) 336-4463 • Email: INFO@PEServices.org
EASTERN MARYLAND OFFICE
30 Lums Road, Suite 102 North East, MD. 21901 • (443) 674-0300 • Fax (443) 674-0253 • Email: INFO@PEServices.org

REVISIONS		
NO.	DESCRIPTION	DATE

WELCOME CENTER ADDITION
FOR:
NICHOLS-BETHEL UMC
1239 Murray Road
Odenton, MD 21113

SEAL

PROJECT PHASE: DETAILED DESIGN
DRAWN BY: XXX — DATE: 2010.04.01
DESIGNER: XXX — SCALE: As Noted
PROJECT NO.: 07-0331-002
DRAWING NAME: LEGENDS, SCHEDULES, NOTES, & ABBREV.
SHEET NO.: E001

Paragon Engineering Services Inc. shall retain all common law, statutory and other reserved rights, including copyright to all drawings, specifications, electronic data, and any other instruments of service furnished to the Owner for use with respect to this project. These documents may not be used by any other party, for this project or for any other project without written consent from Paragon Engineering Services Inc.