

three inches = one foot  
one and one half inches = one foot  
one inch = one foot  
three quarters inch = one foot  
one half inch = one foot  
three eighths inch = one foot  
one quarter inch = one foot  
one eighth inch = one foot

ABBREVIATIONS

1PH	SINGLE-PHASE	DB	DECIBEL OR DIRECT BURIAL	LED	LIGHT EMITTING DIODE	SHT	SHEET
1P	SINGLE POLE	DC	DIRECT CURRENT	LF	LINEAR FEET (FOOT)	SI	INTERNATIONAL SYSTEM OF UNITS
2/C	TWO-CONDUCTOR	DCP	DIMMER CONTROL PANEL	LM	LUMEN	SPD	SURGE PROTECTION DEVICE
3/C	THREE-CONDUCTOR	DEG C	DEGREES CELSIUS	LP	LIGHT POLE	SPEC	SPECIFICATION
3PH	THREE-PHASE	DEG F	DEGREES FAHRENHEIT	LPS	LOW PRESSURE SODIUM	SPST	SINGLE POLE, SINGLE THROW
4/C	FOUR-CONDUCTOR	DEMO	DEMOLITION	LRA	LOCKED ROTAR AMPS	SURF	SURFACE
4W	FOUR-WIRE	DIAG	DIAGRAM	LTCP	LOCAL TEMPERATURE CONTROL PANEL	SW	SWITCH
A/C UNIT	AIR CONDITIONING UNIT	DISC	DISCONNECT	LT	LIGHT	SWBD	SWITCHBOARD
A/E	ARCHITECT/ENGINEER	DISTR	DISTRIBUTION	LTG	LIGHTING	SWGR	SWITCHGEAR
AAP	ALARM ANNUNCIATOR PANEL	1L	DISTRIBUTION PANEL	LTG PNL	LIGHTING PANEL	TC	TIMECLOCK
AC	ALTERNATING CURRENT OR ARMORED CABLE	DN	DOWN	LTNG	LIGHTNING	TEL	TELEPHONE
ACC	ACCESSIBLE	DPDT	DOUBLE POLE, DOUBLE THROW	LV	LOW VOLTAGE	TP	TWISTED PAIR
ADDL	ADDITIONAL	DPST	DOUBLE POLE, SINGLE THROW	MATV	MASTER ANTENNA TELEVISION SYSTEM	TPS	TWISTED PAIR SHIELDED
ADJ	ADJACENT, ADJOINING	DRSW	DOOR SWITCH	MAX	MAXIMUM	TTB	TELEPHONE TERMINAL BOARD
ADO	AUTOMATIC DOOR OPENER		DISCONNECT SWITCH	MC	METAL-CLAD	TV	TELEVISION
AF	AMPERE FRAME OR AMP FUSE		DRAWING	MCA	MINIMUM CIRCUIT AMPS	TYP	TYPICAL
AFC	ABOVE FINISHED COUNTER, AUTOMATIC FREQUENCYCONTROL, OR AVAILABLE FAULT CURRENT		EMPTY CONDUIT	MCB	MINIMUM CIRCUIT BREAKER	UFD	UNDERFLOOR DUCT
AFF	ABOVE FINISHED FLOOR	EL	ELEVATION	MCC	MOTOR CONTROL CENTER	UGND	UNDERGROUND
AFG	ABOVE FINISHED GRADE	ELEC	ELECTRIC OR ELECTRICAL	MDP	MAIN DISTRIBUTION PANEL	UL	UNDERWRITERS LABORATORY
AH	AMPERE HOUR	ELEV	ELEVATOR	MECH	MECHANICAL	UON	UNLESS OTHERWISE NOTED
AHJ	AUTHORITY HAVING JURISDICTION		EMERGENCY MONITORING CONTROL	MH	MOTOR GENERATOR	UPS	UNINTERRUPTIBLE POWER SUPPLY
AIC	AMPERE INTERRUPTING CAPACITY		PANEL	MIN	MINIMUM	UTIL	UTILITY
ALT	ALTERNATE	EMER	EMERGENCY	MOCP	MAXIMUM OVERCURRENT PROTECTION	V	VOLT
AMB OR A	AMBIENT	EMI	ELECTROMAGNETIC INTERFERENCE	MLO	MAIN LUGS ONLY	VA	VOLAT AMPERE
AMP	AMPERE	EMT	ELECTRICAL METALLIC TUBING	MT	MOUNT	VAR	VOLT AMPERE REACTIVE
ARCH	ARCHITECT	ENCL	ENCLOSURE	MTD	MOUNTED	VFD	VARIABLE FREQUENCY DRIVE
ASC	AMPS SHORT CIRCUIT	EPO	EMERGENCY POWER OFF	MTG	MOUNTING	VOLT	VOLTAGE
AT	AMPERE TRIP	EPRF	EXPLOSION PROOF	MTS	MANUAL TRANSFER SWITCH		
ATS	AUTOMATIC TRANSFER SWITCH		EASMENT	MV	MEDIUM VOLTAGE	W	WATT
AUTO	AUTOMATIC	EWC	ELECTRIC WATER COOLER	MVA	MEGAVOLT-AMPERE	WH	WATER HEATER
AV	AUDIO VISUAL	EWH	ELECTRIC WATER HEATER	MW	MEGAWATT MICROWAVE	WP	WEATHERPROOF
		EX, EXIST	EXISTING	NA	NOT APPLICABLE	XFER	TRANSFER
BAT	BATTERY			NEC	NATIONAL ELECTRICAL CODE	XFMR	TRANSFORMER
BC	BARE COPPER	FA	FIRE ALARM	NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION		
BD	BOARD	FAAP	FIRE ALARM ANNUNCIATOR PANEL				
BFF	BELOW FINISH FLOOR	FABL	FIRE ALARM BELL	NEUT OR N	NEUTRAL		
BIL	BASIC INSULATION LEVEL	ABX	FIRE ALARM BOX	NFPA	NATIONAL FIRE PROTECTION ASSOCIATION		
BLDG	BUILDING	FACP	FIRE ALARM CONTROL PANEL	NIC	NOT IN CONTRACT		
BPIP	BOILER PLANT INSTRUMENTATION		FOOTCANDLE	NL	NIGHT LIGHT		
	PANEL	FI	FILM ILLUMINATOR	NO	NORMALLY OPEN		
BRKR	BREAKER	FIXT	FIXTURE	NS	NO SCALE		
BYP	BY PASS	FLT	FLOODLIGHT	NTS	NOT TO SCALE		
		FLUOR	FLUORESCENT				
C	CONDUIT	FLUOR FIX	FLUORESCENT FIXTURE	OC	ON CENTER		
CAB	CABINET	FT	FEET OR FOOT	OD	OUTSIDE DIAMETER		
CALC	CALCULATE	FU SW	FUSED SWITCH	OL	OVERLOAD		
CAP	CAPACITY	FVNR	FULL VOLTAGE NON-REVERSING				
CAT	CATALOG	FVR	FULL VOLTAGE REVERSING	P	POLE		
CATV	COMMUNITY ANTENNA TELEVISION			PA	PUBLIC ADDRESS		
CCR	CONTROL CONTACTOR	G OR GND	GROUND	PB	PANELBOARD, PULL BOX, OR PUSHBUTTON		
CCTV	CLOSED CIRCUIT TELEVISION		GENERATOR	PBPU	PREFABRICATED BEDSIDE PATIENT UNIT		
cd	CANDELA	GFCI	GROUND FAULT CIRCUIT INTERRUPTOR	PCB	POLYCHLORINATED BIPHENYL		
CD	CONSTRUCTION DOCUMENTS		GROUND TERMINAL BOX	PEC	PHOTOELECTRIC CELL		
CF	CONTRACTOR FURNISHED			PED	PEDESTAL		
CFE	CONTRACTOR FURNISHED EQUIPMENT		HIGH INTENSITY DISCHARGE	PEND	PENDANT		
		HOA	HAND-OFF-AUTOMATIC	PF	POWER FACTOR		
CHW	CHILLED WATER	HP	HORSEPOWER	PH	PHASE		
CHWP	CHILLED WATER PUMP	HT	HEIGHT	PNL	PANEL		
CKT	CIRCUIT	HZ	HERTZ	POD	POWER OPERATED DAMPER		
CKT BRKR	CIRCUIT BREAKER			PT	POTENTIAL TRANSFORMER		
CLF	CURRENT LIMITING FUSE	IESNA	ILLUMINATION ENGINEERING SOCIETY	PTRV	POWER TYPE ROOF VENTILATION		
CLG	CEILING		OF NORTH AMERICA	PVC	POLYVINYL CHLORIDE (PLASTIC)		
CMU	CONCRETE MASONRY UNIT		INTERMEDIATE METAL CONDUIT	PWR	POWER		
COAX	COAX CABLE	INCAND	INCANDESCENT				
COMM	COMMUNICATION	IR	INFRARED	RCP	REFLECTED CEILING PLAN		
COMPT	COMPARTMENT	IWH	INSTANTANEOUS WATER HEATER	REC	RECESSED		
CONC	CONCRETE			RECEPT	RECEPTACLE		
CONT	CONTINUE	J-BOX	JUNCTION BOX	RGS	RIGID GALVANIZED STEEL		
CONTR	CONTRACTOR			RM	ROOM		
COORD	COORDINATE	KV	KILOVOLT	RMS	ROOT MEAN SQUARE		
CPT	CONTROL POWER TRANSFORMER		KILOVOLT AMPERE	REQD	REQUIRED		
CRI	COLOR RENDERING INDEX	AH	KILOVOLT AMPERE PER HOUR				
CT	CURRENT TRANSFORMER	JAR	KILOVOLT AMPERE REACTIVE	SCC	SHORT CIRCUIT CAPACITY		
CTV	CABLE TELEVISION	KW	KILOWATT	SES	SERVICE ENTRANCE SECTION		
CU	COPPER	KWH	KILOWATT HOUR	SD	SMOKE DETECTOR		
CU FT	CUBIC FEET	kwhM	KILOWATT HOUR METER	SF	SQUARE FOOT (FEET)		
CUR	CURRENT						

ELECTRICAL LEGEND

	120V DUPLEX RECEPTACLE: 18" AFF STANDARD, UNO
	120V DUPLEX RECEPTACLE: 3" ABOVE COUNTER TOP/COUNTER TOP BACKSPLASH
	120V DUPLEX RECEPTACLE: GFI 18" AFF STANDARD, UNO
	120V DUPLEX RECEPTACLE: GFI 3" ABOVE COUNTER TOP/COUNTER TOP BACK SPLASH
	120V DUPLEX RECEPTACLE: WEATHERPROOF GFI
	120V DEDICATED DUPLEX RECEPTACLE: REFRIGERATOR GFI 18" AFF STANDARD UNO
	120V DEDICATED DUPLEX RECEPTACLE: MICROWAVE
	120V DEDICATED DUPLEX RECEPTACLE: ICE MACHINE
	120V DEDICATED DUPLEX RECEPTACLE: WASHING MACHINE
	120V DEDICATED DUPLEX RECEPTACLE: WATER COOLER
	120V DUPLEX RECEPTACLE EMERGENCY: 18" AFF STANDARD, UNO
	120V DUPLEX RECEPTACLE EMERGENCY: GFI 18" AFF STANDARD, UNO
	120V QUADRUPLUX RECEPTACLE: 18" AFF STANDARD, UNO
	120V QUADRUPLUX RECEPTACLE: 3" ABOVE COUNTER TOP/COUNTER TOP BACKSPLASH
	120V QUADRUPLUX RECEPTACLE: GFI 18" AFF STANDARD, UNO
	120V QUADRUPLUX RECEPTACLE: GFI 3" ABOVE COUNTER TOP/COUNTER TOP BACKSPLASH
	120V QUADRUPLUX RECEPTACLE EMERGENCY: 18" AFF STANDARD, UNO
	120V QUADRUPLUX RECEPTACLE EMERGENCY: GFI 18" AFF STANDARD, UNO
	120V QUADRUPLUX RECEPTACLE EMERGENCY: GFI 3" ABOVE COUNTER TOP/COUNTER TOP BACKSPLASH
	SPECIAL PURPOSE RECEPTACLE, TYPE AS NOTED
	220V RECEPTACLE
	220V RECEPTACLE: DRYER
	JUNCTION BOX PURPOSE AS NOTED
	JUNCTION BOX IN WALL PURPOSE AS NOTED: 18" AFF STANDARD UNO
	DISCONNECT SWITCH NON-FUSED
	DISCONNECT SWITCH FUSED
	EMERGENCY STOP BUTTON
	SINGLE POLE WALL SWITCH: 44" AFF STANDARD UNO
	THREE WAY WALL SWITCH: 44" AFF STANDARD UNO
	FOUR WAY WALL SWITCH: 44" AFF STANDARD UNO
	DIMMING WALL SWITCH: 44" AFF STANDARD UNO
	THREE WAY DIMMING WALL SWITCH: 44" AFF STANDARD UNO
	MOTOR RATED SWITCH
	OCCUPANCY SENSOR DUAL TECHNOLOGY DIMMING WALL SWITCH: 44" AFF STANDARD UNO
	OCCUPANCY SENSOR DUAL TECHNOLOGY WALL SWITCH: 44" AFF STANDARD UNO
	OCCUPANCY SENSOR DUAL TECHNOLOGY LOW VOLTAGE CEILING MOUNTED
	OCCUPANCY SENSOR DUAL TECHNOLOGY LOW VOLTAGE SWITCH PAK

GENERAL NOTES

- ALL ELECTRICAL DEVICES, FIXTURES, EQUIPMENT AND FEEDERS SHALL BE INSTALLED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS, THE MANUFACTURER'S RECOMMENDED PROCEDURES, ALL APPLICABLE LOCAL AND STATE CODES, AMERICAN DISABILITIES ACT WITH THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE.
- PROVIDE ADDITIONAL SUPPORT FOR DEVICES, FIXTURES, EQUIPMENT AND FEEDERS WHERE THE BUILDING CONSTRUCTION IS NOT SUITABLE FOR DIRECT MOUNTING.
- FIRESTOP, DRAFTSTOP, SMOKESTOP AND/OR PROTECT THE ANNULAR SPACE AROUND ALL PENETRATIONS THROUGH WALLS, PARTITIONS, FLOORS, CEILING, AND ROOFS IN ACCORDANCE WITH THE REQUIREMENTS OF THE NATIONAL ELECTRICAL CODE, UL LISTING REQUIREMENT AND THE APPLICABLE BUILDING CODES.
- VERIFY CEILING SYSTEMS AND PROVIDE MOUNTING ACCESSORIES, TRIMS AND ALL REQUIRED MOUNTING HARDWARE TO SUIT THE PARTICULAR INSTALLATION.
- PROTECT EXISTING UNDERGROUND AND BUILDING INTERIOR UTILITIES DURING CONSTRUCTION.
- BRANCH CIRCUIT CONDUCTORS SHALL BE 12 AWG COPPER MINIMUM.
- COORDINATE ANY AND ALL WORK WITH ALL OTHER TRADERS PRIOR TO INSTALLATION SO AS TO AVOID CONFLICT DURING CONSTRUCTION.
- ALL PANELS SHALL HAVE TYPED, COMPLETED DIRECTORIES INDICATING EQUIPMENT SERVED AND ROOM NUMBER (AS INDICATED ON FINAL BUILDING ROOM SIGNAGE) OF EQUIPMENT LOCATION, OR SPARE, OR SPACE.
- MANUFACTURER'S NAME AND MODEL NUMBER ARE GIVEN FOR DESCRIPTIVE PURPOSES, TO INDICATE A QUALITY STANDARD AND ARE NOT INTENDED TO LIMIT PRODUCTS TO A PARTICULAR MANUFACTURER. PRODUCTS DEEMED EQUAL AND APPROVED BY THE DESIGNER WILL BE ACCEPTED. ALL PRODUCTS MUST COMPLY WITH "BUY AMERICAN ACT".
- ALL FEEDERS AND CIRCUITRY SHALL BE TORQUED PER THE PANEL, BREAKER, AND/OR PARTICULAR EQUIPMENT MANUFACTURER'S SPECIFICATIONS.
- CIRCUITRY TO SWITCHES, RECEPTACLES, AND ALL OTHER DEVICES SHALL BE TERMINATED ON THE DEVICE'S SCREW TERMINALS.
- MOUNTING HEIGHTS INDICATED ARE TO CENTER OF DEVICE, OUTLET, FIXTURE, OR EQUIPMENT UNLESS NOTED OTHERWISE.
- ALL WIRE TERMINATIONS SHALL BE RATED FOR 75 DEGREES C.
- ALL CONDUCTORS SHALL HAVE THHN/THWN INSULATION, UNLESS OTHERWISE NOTED.
- ALL CONDUIT SHALL BE RGS, EMT, OR LFMC UNLESS OTHERWISE NOTED. FMC CONDUIT MAY BE USED ON VIBRATING EQUIPMENT.
- ALL ELECTRICAL MATERIALS, DEVICES, APPLIANCES AND EQUIPMENT SHALL BE LABEL LISTED BY AN APPROVED THIRD PARTY TESTING AGENCY.

100% CONSTRUCTION DOCUMENTS

Amended Per Owner's Comments No Rev Clouds 10/17/2014		Revisions		Date
CONSULTANTS:				
PROJECT MANAGER:				
		Raleigh, NC Indianapolis, IN Philadelphia, PA Pittsburgh, PA Virginia Beach, VA Fort Collins, CO (919) 858-7420 www.acg-pa.com NC License # C-1846		
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