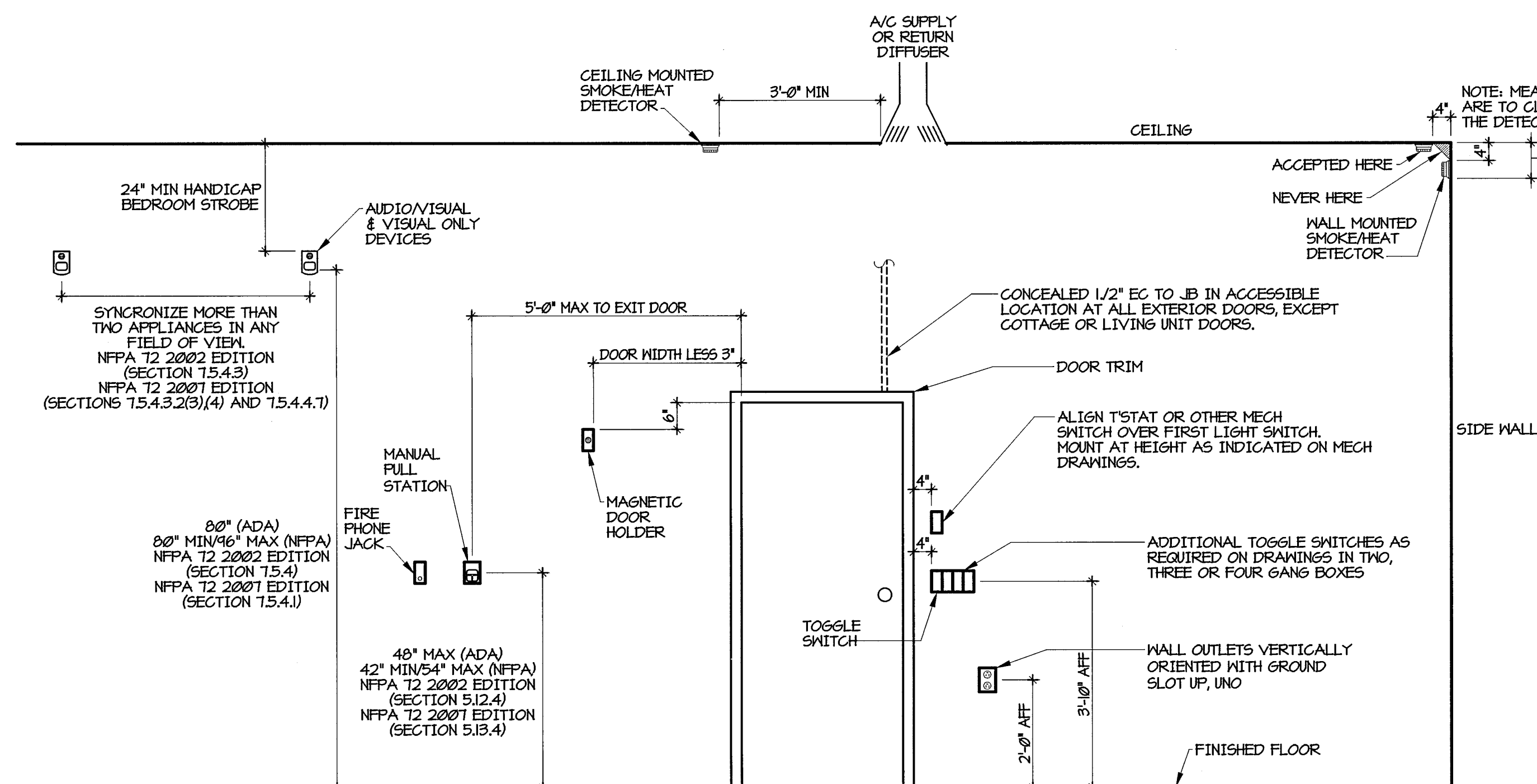


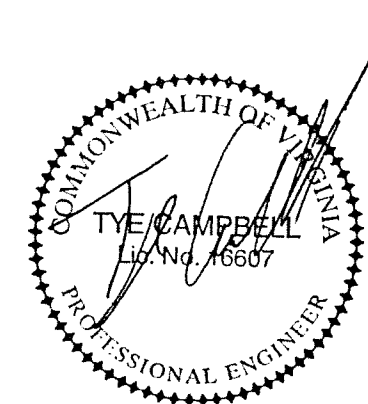
LUMINAIRE TYPE	DESCRIPTION		LAMPS					VOLTS	TOTAL CONNECTED WATTS	TOTAL RATED WATTS	MOUNTING	FINISH	REMARKS
	MANUFACTURER	CATALOG NUMBER	QTY	TYPE	WATTS	INIT. MIN. LUMENS	TEMP. COLOR (KELVINS)						
1	LITHONIA LIGHTING	2RTLED 3300L D45 LP835 N100	1	LED	45	3300	3500	MVOLT	45	45	RECESSED CEILING	WHITE	
2	LITHONIA LIGHTING	2RTLED 4600L D50 LP835 N100	1	LED	50	4600	3500	MVOLT	50	50	RECESSED CEILING	WHITE	
3	LITHONIA LIGHTING	DOM8 LED 1500L 277 DO8MW	1	LED	36	1500	3500	MVOLT	36	36	RECESSED CEILING	MATTE WHITE	
4	LITHONIA LIGHTING	CA 2 32 MVOLT GEB10PS LP835	2	T8	32	2950	3500	MVOLT	62	62	SURFACE CEILING	WHITE	
5	LITHONIA LIGHTING	CA 2 25 MVOLT GEB10PS LP835	2	T8	25	2225	3500	MVOLT	50	50	SURFACE CEILING	WHITE	
6	LITHONIA LIGHTING	RAZ12 UCD JB RAZTRANS24 MVOLT	1	LED	7	235	3000	MVOLT	7	7	SURFACE UNDER CABINET	WHITE	UNDER CABINET LIGHTING SHALL BE DIRECT WIRED USING PART UCD JB, AND SHALL BE CONNECTED TO A 24 VOLT TRANSFORMER USING PART: RAZTRANS24 120. PROVIDE ALL OTHER ACCESSORIES REQUIRED FOR COMPLETE INSTALLATION OF UNDER CABINET LUMINAIRES.
7	HUBBARTON FORGE	206410	2	EL/mdT	23	1600	3000	120	46	200	SURFACE WALL	BRUSHED STEEL WITH OPAL GLASS	WALL MOUNT LUMINAIRE AT 2" ABOVE VANITY MIRROR TO THE BOTTOM OF THE LUMINAIRE. INSTALL 23 WATT ENERGY SAVING FLUORESCENT LAMPS.
8	LITHONIA LIGHTING	VG04C 40LED 120 DOBT SF LPI	1	LED	40	1165	3500	120	40	40	SURFACE WALL	DARK BRONZE	WALL MOUNT LUMINAIRE AT 6'-8" ABOVE FINISHED FLOOR TO THE CENTER OF THE LUMINAIRE. CONDUIT TO BE CONCEALED IN FINISHED WALL AND JUNCTION BOX TO BE RECESSED IN FINISHED WALL.
9	TECH LIGHTING	HEAD: 700 MO AE 12 Z, HEAD SHADE: 700AERBELL B2, TRACK: 700MOA 96 Z, END CAPS: 700MOCCAP Z, STANDOFFS: 700MO5 05 Z, TRANSFORMER: 700MOSRT60D Z	8	MR16-LED	4	-	3000	120	32	600	TRACK LIGHTING / SURFACE CEILING	ANTIQUE BRONZE	INSTALL ENERGY SAVING LED MR16 LAMP BY USHIO (SYNERGIE MR16-WFL50-WW, ORDER CODE: 1003608). PROVIDE AND INSTALL ALL COMPONENTS TO TRACK LIGHTING SYSTEM NECESSARY.
10	HUBBARTON FORGE	122305	4	EL/mdT	23	1600	3000	120	92	400	SURFACE CEILING	DARK SMOKE WITH CHERRY SHADE	INSTALL 23 WATT ENERGY SAVING FLUORESCENT LAMPS.
11	HUBBARTON FORGE	126503-48-37	3	EL/mdT DIM	20	1150	3000	120	60	300	SURFACE CEILING	DARK SMOKE	INSTALL 20 WATT ENERGY SAVING "DIMMABLE" FLUORESCENT LAMPS.
12	HUBBARTON FORGE	126751	3	EL/mdT DIM	20	1150	3000	120	60	300	SURFACE CEILING	DARK SMOKE WITH OPAL GLASS	INSTALL 20 WATT ENERGY SAVING "DIMMABLE" FLUORESCENT LAMPS.
13	LITHONIA LIGHTING	VG05C 40LED 120 DOBT SF LPI	1	LED	40	1165	3500	120	40	40	SURFACE WALL	DARK BRONZE	WALL MOUNT LUMINAIRE AS DIRECTED BY ELEVATOR INSTALLER.
14	LITHONIA LIGHTING	VGK4C 50LED MVOLT DOBT SF LPI	1	LED	50	1785	3500	MVOLT	50	50	SURFACE CEILING	DARK BRONZE	SURFACE MOUNT TO CANOPY. PROVIDE EXPOSED SURFACE MOUNTED JUNCTION BOXES AND CONDUIT FOR THE LUMINAIRES. PAINT THE JUNCTION BOXES AND CONDUIT THE SAME COLOR AS THE CEILING OF THE CANOPY. ALL CONDUIT RUNS SHALL BE STRAIGHT WITH NO BENDS. CONDUIT ENTERING BUILDING, PENETRATING THE EXTERIOR WALL, SHALL BE PERPENDICULAR TO THE EXTERIOR WALL.
X1	LITHONIA LIGHTING	SOLO W_RMR _	1	LED	1.4	-	-	MVOLT	1.4	1.4	SURFACE CEILING / SURFACE WALL	WHITE	REFER TO ELECTRICAL PLANS FOR NUMBER OF FACES AND DIRECTIONAL ARROWS.



ELEVATION - OUTLET BOXES  
MTD AT DOORS - TYP  
NO SCALE

[illegible]

CONSULTANTS:



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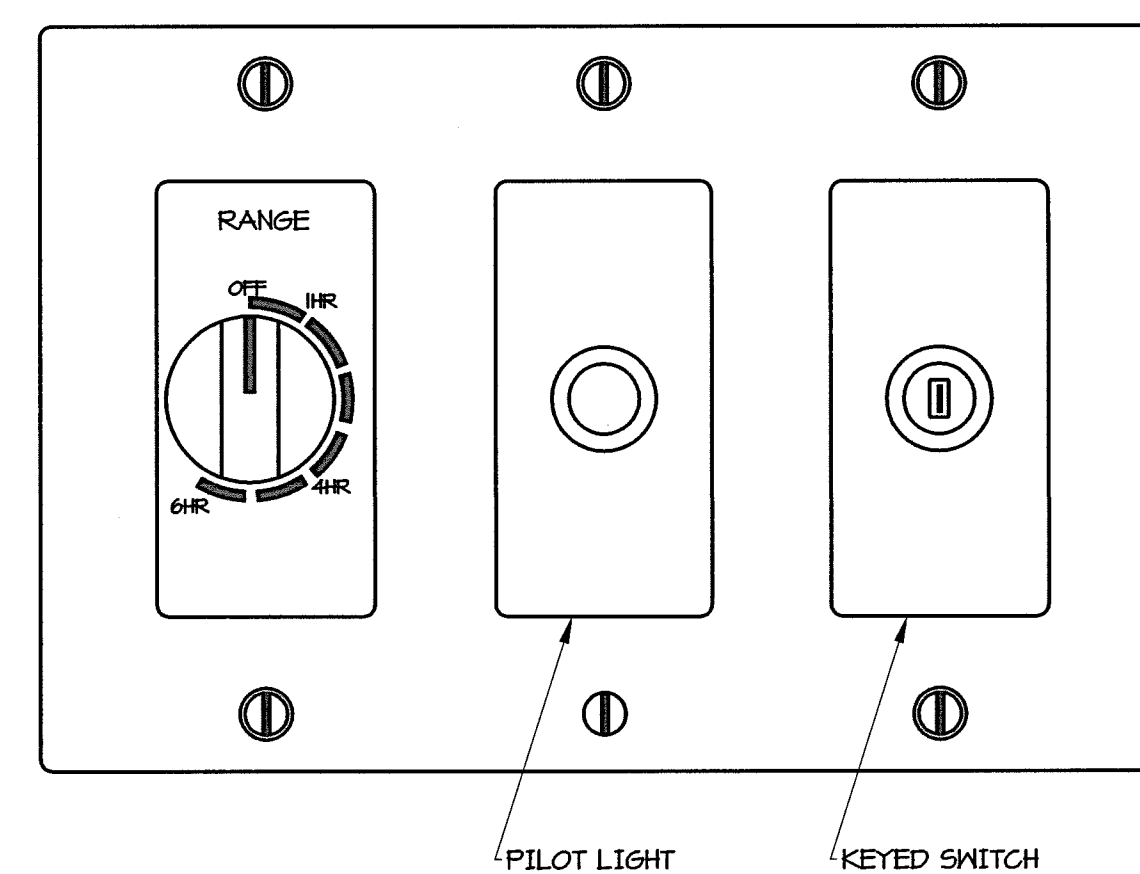
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# ELECTRICAL ABBREVIATIONS (NOTE 1)

OR	AMPERE	IC	INTERCOM OR INTERRUPTING CAPACITY
AMP	ABOVE	IG	ISOLATED GROUND
IV	ALTERNATING CURRENT	INC	INTERMEDIATE METAL CONDUIT
IB	MOVIE CAMERA BACKSLASH DRIVE	INCAND	INCANDESCENT
AD	ADJUSTABLE FREQUENCY FLASH	INIT	INITIAL
FC	ABOVE FINISHED FLOOR		
IF	AMPERES INTERRUPTING CAPACITY	JB	JUNCTION BOX
	ALUMINUM	KO	KNOCKOUT
AMP	AMMETER	KV	KILOVOLT
PH	ASYMMETRICAL	KVA	KILOVOLT-AMPERE
NG	AUTOMATIC TRANSFER SWITCH	KVAR	KILOVOLT-AMPERE REACTIVE
	AMERICAN WIRE GAGE	KWH	KILOWATT
	BELOW	KWHOUR	KILOWATT-HOUR
BT	BUS DUCT		
LT	BOTTOM	LA	LIGHTNING ARRESTER
BRK	BREAKER	LPS	LOW PRESSURE SODIUM
		LTG	LIGHTING
	COUNTERTOP	LUM	LUMENS
	CABLE		
	CABINET	MAG	MAGNETIC
ANT	COMMUNITY ANTENNA	MAN	MANUAL
	TELEVISION OR CABLE	MATV	MASTER ANTENNA TELEVISION
	TELEVISION	MCB	MAIN CIRCUIT BREAKER
	CIRCUIT BREAKER	MCC	MOTOR CONTROL CENTER
TV	CLOSED CIRCUIT TELEVISION	MCM	THOUSAND CIRCULAR MILS
CT	COMPACT FLUORESCENT	MG	MOTORGGENERATOR
	CIRCUIT	MH	METAL HALIDE OR MOUNTING
G	CEILING		HEIGHT
CON	CONDUIT	MIN	MINIMUM
NT	CENTER	MO	MAIN LINES ONLY
MB	COMBINATION	MOD	MOTOR OPERATED DAMPER
ND	CONDUCTOR	MOT	MOTOR
NT	CONNECTION	MS	MAGNETIC STARTER
ENT	CONTACTOR	MTR	MOUNTED OR MOUNTING
	CURRENT TRANSFORMER	MTG	METER
	CONTROL	MV	MERCURY VAPOR
	COPPER		
	COLD WATER	NEC	NATIONAL ELECTRICAL CODE
N	DOOR BELL	NEUT	NEUTRAL
	DIRECT CURRENT	NFSS	NON-FUSIBLE SAFETY SWITCH
	DIMENSION	NMBR	NUMBER
SC	DISCONNECT		
	DOOR RELEASE SERVICE	OH	OVERHEAD
	DOOR SWITCH		
NG	DRAINING	P	POLE
		PB	FULL BOX OR PUSHBUTTON
OR	EMERGENCY	PBS	PUSHBUTTON STATION
	EXISTING TO BE RELOCATED	PH0	PHASE
EV	ELECTRICAL	PNL	PANEL
	ELEVATION/ELEVATOR	PNLB	PANELBOARD
	EXISTING TO BE REMOVED	PT	PRIMARY
EC	EXIST REMOVED AND	PRI	POTENTIAL TRANSFORMER
	RELOCATED TO THIS POSITION	PVC	POLYVINYL CHLORIDE
IN	EXISTING TO BE REMOVED	PWR	POWER
	AND NEW INSTALLED	QTY	QUANTITY
CL	ELECTRICAL METALLIC TUBING		
	ENCLOSURE	RECTP	RECEPTACLE
	ENGINE	REFRIG	REFRIGERATOR
GRP	EXPLOSIONPROOF	RSSC	RIGID STEEL CONDUIT
	EQUIPMENT		
	EXISTING TO REMAIN	SCR	SHORT CIRCUIT CURRENT
CALL	ELECTRIC WIRE RECALL	SDG	MOTOR OPERATED SHOCK DAMPER
IST	ELECTRIC WATER COOLER	SEC	SECONDARY
	EXISTING	SEK	SURFACE METAL RACEWAY
	EXTERIOR	SR	SPEAKER
		SRK	SURFACE RACEWAY
ACP	FIRE ALARM	SS	SURGE SUPPRESSOR/
	FIRE ALARM CONTROL PANEL	STR	ISOLATED GROUND
	FEEDER	STR	STARTER
OR	FOOTCANDLE	SN	SWITCH
	FLUORESCENT	SNBD	SWITCHBOARD
	FUSIBLE SAFETY SWITCH	SNBR	SWITCHGEAR
TR	FIXTURE	SYM	SYMMETRICAL
		S/N	SOLID NEUTRAL
	GARAGE DOOR		
	GENERATOR	TC	TIME CLOCK
OR		TEL	TELEPHONE
FI	GROUND FAULT	TEV	TELEVISION
ID	GROUND	TYP	TYPICAL
	HORIZONTAL	UF	UNDERFLOOR
HT	HOSPITAL GRADE	UG	UNDERGROUND
D	HIGH INTENSITY DISCHARGE	UNO	UNDERWRITERS' LABORATORIES
VA	HEIGHT	UNLESS	UNLESS NOTED OTHERWISE
	HAND-OFF-AUTOMATIC		
	HORSEPOWER OR HEAT PUMP	V	VOLT
EL	HIGH POWER FACTOR	VAM	VOLT-AMPERE
	HIGH PRESSURE SODIUM	VAR	VOLT-AMPERE REACTIVE
	HEATER	VN	VOLTMETER
	HOT WATER		
	HERTZ	W	WATT OR WIRE
		WP	WEATHERPROOF
		WTR	WATER
		XFR	TRANSFER
		XFRM	TRANSFER

(NOTE 1) (ELECTRICAL ABBREVIATIONS)

REFER TO OTHER ABBREVIATIONS LISTS ELSEWHERE IN THESE DOCUMENTS



### DETAIL - RANGE CONTROL SWITCH

ELEC SYMBOL LEGEND		(NOTE 1)
MTG. HGT. (NOTE 2)	SYMBOL (NOTES 3 & 4)	DESCRIPTION
	①	PLAN NOTE DESIGNATION.
	①	LUMINAIRE TYPE DESIGNATION. "D" = PROVIDE DIMMING BALLAST FOR LUMINAIRE.
	○	CEILING MOUNTED FLUORESCENT LUMINAIRE. (NOTE 6)
	○ 	WALL MOUNTED FLUORESCENT LUMINAIRE. (NOTE 6)
	○	CEILING MOUNTED INCANDESCENT, FLUORESCENT OR HID LUMINAIRE. (NOTE 6)
	○	WALL MOUNTED INCANDESCENT, FLUORESCENT OR HID LUMINAIRE. (NOTE 6)
	⊗	CEILING MOUNTED EXIT SIGN. SHADED QUADRANT(S) INDICATES FACE(S). PROVIDE ARROWS AS INDICATED ON DRAWINGS. LUMINAIRE TYPE "XI", UNO.
	⊗	WALL MOUNTED EXIT SIGN. SHADED QUADRANT(S) INDICATES FACE(S). PROVIDE ARROWS AS INDICATED ON DRAWINGS. LUMINAIRE TYPE "XI", UNO.
4'-0"	\$	GENERAL USE SWITCH, SINGLE POLE.
4'-0"	\$3	GENERAL USE SWITCH, THREE WAY.
4'-0"	\$P	GENERAL USE SWITCH, PILOT LIGHT TYPE. PILOT LIGHT IS "ON" WHEN SWITCH IS "ON".
4'-0"	\$OS	TIME SWITCH OVERRIDE SWITCH.
4'-0"	⓪	OCCUPANCY SENSOR SWITCH, WALL MOUNTED. DUAL TECHNOLOGY TYPE UNLESS INDICATED OTHERWISE. "IR" = INFRARED TYPE. "U" = ULTRASONIC TYPE. 2-POLE DUAL RELAYS, LOWERCASE ALPHABETIC SUBSCRIPT, WHERE SHOWN, INDICATES LOADS CONTROLLED. SET TIME DELAY TO AUTOMATIC UNLESS INDICATED OTHERWISE. SET TO AUTO-ON OPERATION UNLESS INDICATED OTHERWISE.
2'-0"	⊖	DUPLEX RECEPTACLE, WALL. ALPHA-NUMERIC OR NUMERIC SUBSCRIPT, WHERE SHOWN, INDICATES CIRCUIT. "C" = MOUNT BOTTOM 0'-1" ABOVE BACKSPASH / COUNTER. (TYPICAL FOR ALL RECEPTACLES)
	⊖	DUPLEX RECEPTACLE, FLOOR.
2'-0"	⊖	SPECIAL PURPOSE RECEPTACLE, WALL. "D" = DRYER (NEMA 14-30R), "R" = RANGE (NEMA 14-50R), UNO.
2'-0"	⊖	JUNCTION BOX, WALL.
2'-0"	⌞	TELEDATA OUTLET, WALL. "W" = WALL TYPE TELEDATA OUTLET MOUNTED 54" AFF.
	⊙	SMOKE DETECTOR, CEILING.
	⊙ <sub>D</sub>	SMOKE DETECTOR, DUCT TYPE. SEE MECHANICAL DRAWINGS FOR EXACT LOCATION.
	⊙	HEAT DETECTOR, CEILING.
4'-0"	F	FIRE ALARM MANUAL PULL STATION.
NOTE 7	F <sub>15</sub>	FIRE ALARM VISUAL DEVICE, NUMBER INDICATES CANDELA RATING OF VISUAL DEVICE.
NOTE 7	F <sub>15</sub>	FIRE ALARM CHIME WITH INTEGRAL VISUAL DEVICE, NUMBER INDICATES CANDELA RATING OF VISUAL DEVICE.
	Ⓜ <sub>MS</sub>	NURSES' CALL MASTER STATION.
4'-0"	E	NURSES' CALL EMERGENCY STATION, WALL.
7'-4"	Ⓜ <sub>C</sub>	NURSES' CALL CORRIDOR DOME LIGHT, WALL.
	⊙	SOUND SYSTEM SPEAKER, CEILING.
6'-0" TO TOP		200/120 VOLT PANELBOARD.
6'-0" TO TOP	▬	480/277V VOLT PANELBOARD.
5'-0" TO TOP	F <sub>1</sub> 3/60/45	DISCONNECT SWITCH. "N" = NON-FUSIBLE, "F" = FUSIBLE, "S" = TOGGLE SWITCH. NUMBER INDICATES DISCONNECT SWITCH 3-POLES/60 AMP RATING/FUSED AT 45 AMP.
5'-0" TO TOP	B <sub>1</sub> 3/100/60	ENCLOSED CIRCUIT BREAKER. NUMBER INDICATES CIRCUIT BREAKER 3-POLES/100 AMP RATING/60 AMP RATING.
5'-0" TO TOP	⊠	MANUAL MOTOR STARTER WITH PILOT LIGHT, SURFACE MOUNTED. "F" = FLUSH MOUNTED.
5'-0" TO TOP	⊠ <sub>1</sub>	COMBINATION MAGNETIC MOTOR STARTER AND FUSED DISCONNECT SWITCH.
	≡	GROUND CONNECTION.
	⊗	SPRINKLER SYSTEM PRESSURE SWITCH.
	⊙	SPRINKLER SYSTEM VALVE SUPERVISORY SWITCH.
4'-0"	\$RC	RANGE CONTROL SWITCH. REFER TO WIRING DIAGRAM & DETAIL ON THIS DRAWING.
	□	SURFACE CEILING/WALL MOUNTED SECURITY CAMERA.

NOTES (ELECTRICAL SYMBOL LEGEND):

- THESE ARE STANDARD SYMBOLS AND MAY NOT ALL APPEAR ON THE PROJECT DRAWINGS. HOWEVER, WHEREVER THIS SYMBOL APPEARS ON THE PROJECT DRAWINGS, THE ITEM SHALL BE FURNISHED AND INSTALLED.
- UNLESS NOTED OTHERWISE, MOUNTING HEIGHTS ARE FROM FINISHED FLOOR TO CENTERLINE OF OUTLET, WHERE THE MOUNTING HEIGHT INDICATED ON PLAN IS DIFFERENT FROM THE LEGEND, THE PLAN TAKES PRECEDENT.
- INSTALL RECEPTACLE AND TELEPHONE OUTLET BOXES (OR OTHER OUTLET BOXES SUCH AS TV, COMPUTER, ETC.) 6" APART (EDGE TO EDGE) WHERE SHOWN SIDE BY SIDE ON WALL.
- SEE ELECTRICAL ABBREVIATIONS FOR ALPHABETIC SUBSCRIPT WITH SYMBOL, UNO.
- ARROWS INDICATE DIRECTION OF MAXIMUM LIGHT DISTRIBUTION.
- "⊗" = COMPLETE LUMINAIRE CONNECTED ON EMERGENCY CIRCUIT.
- FIRE ALARM VISUAL DEVICE (STAND-ALONE OR INTEGRAL STROBE) SHALL BE LOCATED 80 INCHES TO THE BOTTOM AND HAVE THE HIGHEST FLOOR LEVEL WITHIN THE SPACE OR 6 INCHES TO THE TOP BELOW THE CEILING, WHICHEVER IS LOWER.

NOTES (ELECTRICAL SYMBOL LEGEND):

1. THESE ARE STANDARD SYMBOLS AND MAY NOT ALL APPEAR ON THE PROJECT DRAWINGS, HOWEVER, WHEREVER THIS SYMBOL APPEARS ON THE PROJECT DRAWINGS, THE ITEM SHALL BE FURNISHED AND INSTALLED.
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3. INSTALL RECEPTACLE AND TELEPHONE OUTLET BOXES (OR OTHER OUTLET BOXES SUCH AS TV, COMPUTER, ETC.) 6" APART (EDGE TO EDGE) WHEN SHOWN SIDE BY SIDE ON WALL.
4. SEE ELECTRICAL ABBREVIATIONS FOR ALPHABETIC HIGHEST FLOOR WITH SYMBOL, UNO.
5. ARROW(S) INDICATE DIRECTION OF MAXIMUM LIGHT DISTRIBUTION.
6. ● = COMPLETE LUMINAIRE CONNECTED ON EMERGENCY CIRCUIT.
7. FIRE ALARM VISUAL DEVICE (STAND-ALONE OR INTEGRAL STROBE) SHALL BE LOCATED 80 INCHES TO THE BOTTOM ABOVE THE HIGHEST FLOOR LEVEL WITHIN THE SPACE OR 6 INCHES TO THE TOP BELOW THE CEILING, WHICHEVER IS LOWER.

Drawing Title

**ELECTRICAL SYMBOL LEGEND, ABBREVIATIONS,  
LUMINAIRE SCHEDULE AND MISC. DETAILS**

Approved Project Director

Project Title		
Adult Day Care Building VA Medical Center Comm No. 10110.00		
Location		
Beeckley, West Virginia		
Date	Checked	Drawn
08/05/2011	WAM	WAM

Project Number	VA246-P-0568
Building Number	-
Drawing Number	E0.1 Dwg. 70 of 77

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