

CONTRACTOR NOTE'S:

ALL MATERIAL SHALL BE PROVIDED BY THE CONTRACTOR UNLESS OTHERWISE NOTED.

ALL WORK SHALL BE IN COMPLIANCE WITH THE FOLLOWING CODES:
 A. FLORIDA BUILDING CODE, 2004 WITH 2006 AND 2008 SUPPLEMENTS.
 B. NFPA 70, NATIONAL ELECTRICAL CODE, 2005 EDITION.
 C. NFPA 72, NATIONAL FIRE ALARM CODE, 2002 EDITION

ALL WORK TO COMPLY WITH CITY AND COUNTY CODES, MOST RECENT AND ACCEPTED.

LISTED OR LABELED EQUIPMENT SHALL BE INSTALLED, USED OR BOTH, IN ACCORDANCE WITH ANY INSTRUCTIONS INCLUDED IN THE LISTING OR LABELING.

ALL WORK SHALL BE INSTALLED IN A NEAT AND WORKMANLIKE MANNER.

FIRE AND BURGLER ALARM BONES AND RACEWAYS (IN WALLS/CONCEALED LOCATIONS) TO BE INSTALLED BY E.C.

ELECT. CONTRACTOR TO VERIFY ELECT. CONNECTIONS/REQUIREMENTS OF EQUIPMENT W/APPROVED SHOP DWGS.

FOR ARCHITECTURAL AND STRUCTURAL DETAILS NOT SHOWN ON ELECTRICAL PLANS, REFER TO ARCHITECTURAL DRAWINGS AND DETAILS PRIOR TO ROUGH-IN OUTLETS. CONSULT ENGINEER ABOUT ANY CONFLICT OR DISCREPANCY BETWEEN ELECTRICAL OUTLETS AND ARCHITECTURAL CONDITIONS.

IT SHALL BE THE RESPONSIBILITY OF THE BIDDERS TO VISIT THE SITE AND THOROUGHLY ACQUAINT THEMSELVES WITH THE EXISTING FACILITIES AND OBSTRUCTIONS. IN THE EVENT OF DISCREPANCIES NOTIFY THE ENGINEER FOR CLARIFICATION. PRIOR TO BID DUE DATE. ALL WORK AND MATERIAL REQUIRED, INDICATED OR IMPLIED, AS NECESSARY TO COMPLETE THE SYSTEM INTENDED BY PLANS AND SPECIFICATIONS, SHALL BE INCLUDED IN THE BID.

VISIT AND CAREFULLY EXAMINE THOSE PORTIONS OF THE BUILDING AFFECTED BY THIS WORK BEFORE SUBMITTING BIDS, SO AS TO BECOME FAMILIAR WITH THE EXISTING CONDITIONS AND DIFFICULTIES THAT WILL AFFECT EXECUTION OF THE WORK. SUBMISSION OF A BID WILL BE CONSTRUED AS EVIDENCE THAT SUCH EXAMINATION HAS BEEN MADE AND LATER CLAIMS FOR LABOR, MATERIALS OR EQUIPMENT REQUIRED BECAUSE OF DIFFICULTIES ENCOUNTERED WILL NOT BE RECOGNIZED.

THAT PORTION OF THE WORK COMING UNDER THE JURISDICTION OF THE POWER COMPANY SHALL CONFORM TO ALL REQUIREMENTS OF THE POWER COMPANY AND ELECTRICAL CONTRACTOR SHALL INCLUDE IN HIS BID ANY AND ALL COST CHARGED BY THE POWER COMPANY TO AFFECT SUCH WORK. ELECTRICAL CONTRACTOR SHALL COOPERATE AND COORDINATE HIS WORK WITH THAT OF THE POWER COMPANY.

ELECT. CONTRACTOR TO INCLUDE WITHIN ELECT. SCOPE OF WORK ANY NOTES AND/OR EQUIPMENT PERTAINING TO ELECTRICAL INSTALLATION SHOWN ON MECHANICAL, ARCHITECTURAL, STRUCTURAL, PLUMBING DRAWINGS. REFERENCE TO ELECTRICAL DRAWINGS ONLY WILL NOT BE PERMITTED.

SIX (6) SETS OF SUBMITTALS ON FIRE ALARM/SECURITY EQUIPMENT, FIXTURE AND GEAR ARE REQUIRED. MATERIAL NOT ACCEPTED UNTIL APPROVAL OF SHOP DRAWINGS.

CONTRACTOR TO COORDINATE MAIN PHONE LINE INSTALLATION WITH LOCAL PHONE CO. (2) LINES TO BE PROVIDED. CONTRACTOR TO INCLUDE ANY COST NECESSARY TO TURN OVER TO OWNER A COMPLETE OPERABLE PHONE SYSTEM TO THE POINT OF ATTACHMENT FROM LOCAL UTILITY CO.

- C-1: MATERIAL AND INSTALLATION PROVIDED BY CONTRACTOR ALL WORK IS CONSIDERED C-1 EXCEPT AS NOTED.
- C-2: MATERIAL FURNISHED BY OWNER AND INSTALLED BY CONTRACTOR.
- C-3: MATERIAL AND INSTALLATION PROVIDED BY OWNER

GENERAL NOTES

ALL CIRCUITRY DESIGNATED FOR FIXTURES WITH ELECTRONIC BALLASTS SHALL HAVE SEPARATE NEUTRAL CONDUCTORS PER PHASE CONDUCTOR.

ALL RECEPTACLES TO BE 18" A.F.F. UNLESS OTHERWISE NOTED.

ALL SWITCHES AND RECEPTACLES TO BE COLOR COORDINATED WITH THE SURFACE THEY ARE MOUNTED TO.

CONTRACTOR TO COORDINATE A.I.C. RATING OF THE MAIN TRANSFORMER AND MAIN BREAKER W/ THE POWER COMPANY.

CONTRACTOR RESPONSIBLE FOR PHONE JACK BOX AND CONDUIT ALL RECEPT. TO BE MOUNTED AT 18" A.F.F. UNLESS OTHERWISE NOTED.

3 CURRENT CARRY CONDUCTORS PER H.R.

ALL DIMENSIONS ARE APPROX. VERIFY LOCATIONS!

▲ LIGHTING TO BE RELOCK OR EMT INSTALLATION (QUICK DISCONNECT)

▲ ALL UNDERGROUND RACEWAYS ARE TO BE A MINIMUM OF 24 INCHES BELOW GRADE UNLESS NOTED OTHERWISE

▲ ALL CIRCUIT RACEWAYS SHALL CONTAIN A GREEN CODED GROUND WIRE ALL FIXTURES AND RECEPTACLES SHALL BE BONDED TO THIS CONDUCTOR. THESE EQUIPMENT GROUNDING CONDUCTORS SHALL BE SIZED IN ACCORDANCE WITH ARTICLE 250, TABLE 250-122 OF THE NEC. THIS GROUND SHALL BE CONTINUOUS. THE NEUTRAL SHALL NOT BE USED FOR A GROUND WIRE. GROUND SERVICE ENTRANCE IN ACCORDANCE WITH NEC ARTICLE 250.

WIRING TO BE INSTALLED IN PANELS PER THE FOLLOWING.

COLOR.	PHASE.
BLACK	A
RED	B
BLUE	C
WHITE	NEUTRAL

ALL WIRING WILL BE IDENTIFIED BY NUMBERS RELATING TO RESPECTIVE BREAKER LOCATION AND/OR CIRCUIT IDENTIFICATION.

ALL WIRING TO BE LACED AND/OR TIE WRAPS, INSTALLED IN A PERPENDICULAR AND/OR HORIZONTAL METHOD AND FORMED AT 90° ANGLE. (NO LOOPING)

ELECTRICAL LEGEND

SYMBOL	DESCRIPTION	MOUNTING	MANUF.	REMARKS
[SB]	SWITCH (GENERAL LIGHTING) HBL159T	SURFACE	HUBBEL	20A 120/2TTV 3 POS/ CTR OFF
Z-12	12 POLE CONTACTOR 120V 30A LXG1200V02	SURFACE	SQUARE D	12 POLE CONTACTOR
T-1	ETIT1-C 2 POLE	SURFACE	INTERMATIC	ELECTRONIC TIMER
[SD]	DIMMER SWITCH (1500W)		LEVITON	DIMMER
[S]	SING. POLE 20 AMP	ON WALL/RECESSED	LEVITON	
[S3]	3-WAY 20 AMP	ON WALL/RECESSED	LEVITON	
[E]	EXHAUST FAN HVAC CONTR. TO SUPPLY	RECESSED	DAYTON	
[E]	208 1" FLOOR BOX HARD WIRED (BRASS)	FLOOR		
[E]	DUPLEX FLOOR OUTLET (BRASS)	FLOOR		
[T]	THERMOSTAT	WALL		
[E]	DUPLEX OUTLET RECEPTACLE	ON WALL/RECESSED	LEVITON	
[G.F.I.]	GROUND FAULT INTERRUPTING RECEPTACLE	ON WALL/RECESSED	LEVITON	
[E]	SINGLE OUTLET RECEPTACLE	ON WALL/RECESSED	LEVITON	
[E]	NON FUSED SAFETY SWITCH PER N.E.C.	SURFACE	SQUARED 'D'	
NL	NIGHT LITE			ON 24 HRS.
CZ	200 A 2 POLE/200A-3 POLE W/H-O-A	SURFACE	SQUARED 'D'	
[E]	POWER PANEL	SURFACE	SQUARED 'D'	
[E]	CONTRACTOR TO MAKE FINAL ELEC. CONNECTIONS	N/A		
[E]	WIRED TELEPHONE JAVK-WIRE TO BE RUN BACK TO PHONE BOARD			
[E]	5600 GLASSBREAK	CEILING SURFACE	SENTROL	C-3
[D]	DOOR MAGNETS (SENTROL) 1085T	RECESSED	SENTROL	C-3
[DD]	DOOR SWITCH ON DELAY SENTROL 1085T		SENTROL	C-3
[H]	A 269 HOLD UP BUTTON	UNDER THE COUNTER MTD. VERT. SURFACE	ADEMGCO	C-3
[M]	D100ST MOTION	WALL SURFACE ANGLE AS REQ'D.	NAPCO	C-3
[E]	MPI-8 SIREN	RECESSED IN HIP	MOOSE	C-3
[C-1]	CCD COLOR CAMERA TD1-14920-0000 4-8 (V) 6E LENSE RAINBOW		SONY OR APPROVED EQUAL	C-3
[C-1]	CCD COLOR CAMERA TD1-14920-0000 6-12 (V) 6E LENSE RAINBOW		SONY OR APPROVED EQUAL	C-3
[CT]	TV1001 10" COLOR MONITOR	ON SHELF	TOSHIBA	C-3
[SV]	SECURITY VCR H55-424VA	ON SHELF	MITSUBISHI	C-3
[R]	1000 OHM END OF LINE RESISTOR	IN BOX AT DEVICE	N/A	C-3
[K]	KEYPAD D1255A	SURFACE	RADIONICS	C-3
[M]	DUPLEX MULTIPLEXED PE-V55104 SWITCHER (COLOR)	ON SHELF	PELEGAN	C-3
[TC]	TEMP CONTROL	ON WALL	BIN NO 74-54	C-3
[RD]	606 US REMOTE CONTROL	IN GLS TILE @ A/C OR ELECT. ROOM	ESL	C-3
[D]	205B 609U01-11 DUCT DETECTOR WITH BOARD	BOTH ARE IN THE RETURN DUCT NEAR UNIT	ESL 609011 FUNCTION CARD	C-3
[S]	SMOKE DETECTOR ESL 521 IN/CEILING W/CEILING W/CEILING	SURFACE CEILING	ESL	C-3
[H]	A1281B 135" FIXED HEAT DETECTOR	SURFACE CEILING	A.I.P.	C-3
[E]	MT24SVFR AUDIO & VISUAL	80" A.F.F.	WHEELLOCK	C-3
[E]	LSM24/24VFR STROBE ONLY	80" A.F.F.	WHEELLOCK	C-3
[E]	RADIONICS ALPHA D1256 KEYPAD (ANNUNCIATOR TYPE)	FLUSH WALL 36" TO 48" A.F.F.	RADIONICS	C-3
[E]	B610 PULL STATION	FLUSH WALL 36" TO 48" A.F.F.	FIRE-LITE	C-3
[E]	FIREPOWER DIST. POWER MODULE SILENT KNIGHT 5395	SURFACE UNDER FIRE & BURGLAR PANEL	SILENT KNIGHT	C-3
[R]	1000 OHM END OF LINE RESISTOR	IN BOX /AT DEVICE	N/A	C-3
[E]	RADIONICS 9112 PANEL W/ALL RELAY AND MODULE REQ'D.	SURFACE	RADIONICS	C-3

(2) WIRE 12/24 VOLT TO BE CONNECTED TO FIRE ZONE ON 8112 FA/BA PANEL

* W/ D128 DUAL PHONE SWITCHER D142C D8129 OCTO RELAY DUAL BATTERY & WIRE HARNESS D8004 TRANSFORMER KIT STEP-UP TRANS FORMER FOR AUDIO & VISUAL DEVICES

RADIONICS
 D-22
 D-125B
 D-1255A
 D-136
 D-137
 D-8004
 D-161
 D-58A
 8125 POPEX
 812TU POPIT
 ECT

W/ D128 DUAL PHONE SWITCHER D142C D8129 OCTO RELAY DUAL BATTERY & WIRE HARNESS D8004 TRANSFORMER KIT STEP-UP TRANS FORMER FOR AUDIO & VISUAL DEVICES

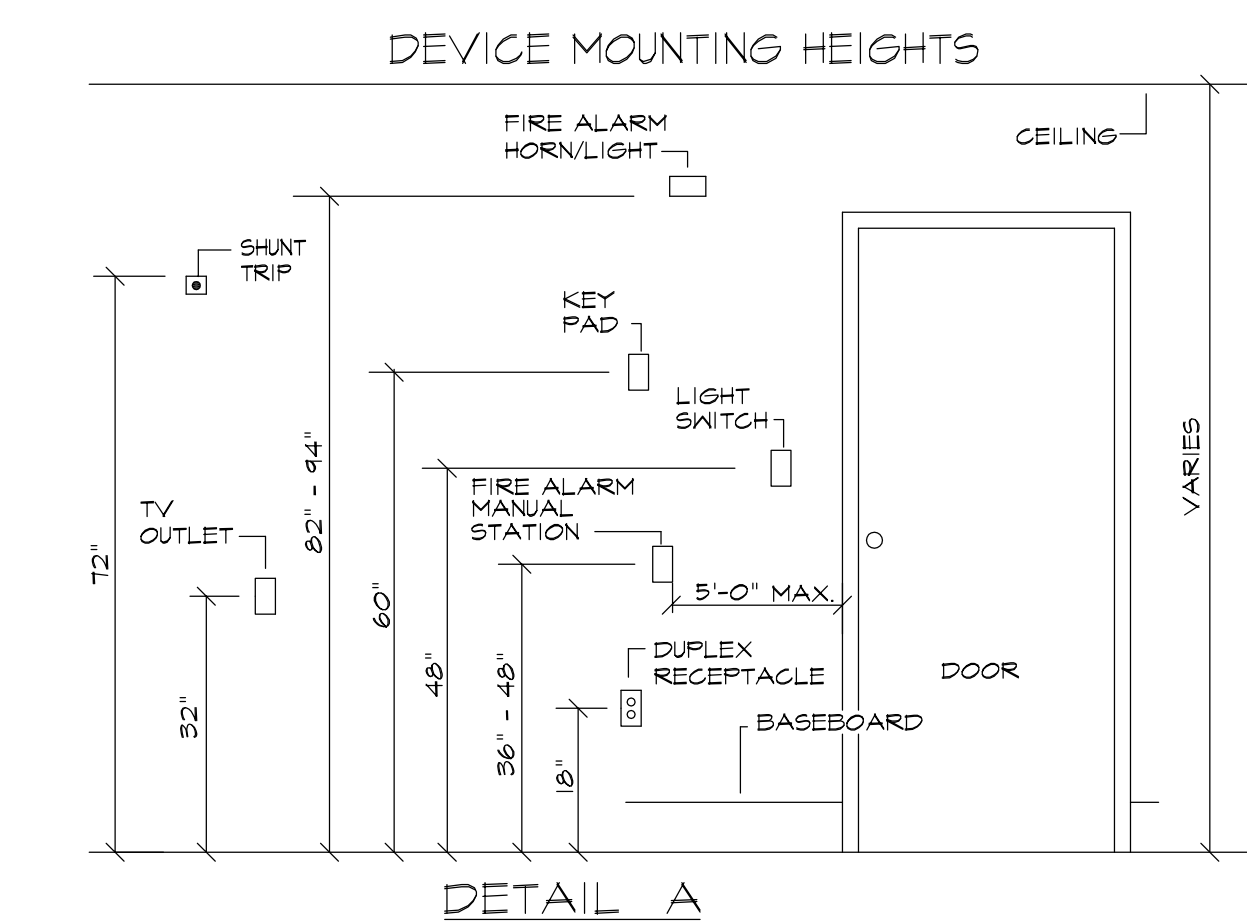
RADIONICS
 D-22
 D-125B
 D-1256A
 D-136
 D-137
 D-8004
 D-161
 D-58A
 8125 POPEX
 812TU POPIT
 ECT

LIGHTING SCHEDULE

SYMBOL	DESCRIPTION	MOUNTING	QTY.	LAMPS	MANUF.	REMARKS
[A]	2X4' 2 LAMP 2RTS 2875 MVOLT GEB45 LPM835P WITH WIPS AND LAMPS	RECESSED DROP CEILING		28W T5 (46')	LITHONIA	2X4 LAMP LAY-IN ▲
[B]	2X4' 2 LAMP 2875 252A12MVOLTUBHP WITH WIPS AND LAMPS	RECESSED DROP CEILING		2-T-8	LITHONIA	2X4 (2) LAMP LAY-IN
[C]	TC13120GEB	ON SHELF SEE DETAIL		1-EACH 2L.T8	LITHONIA	TR02 4FT TUBE SHELF LIGHT
[D]	C192120GEB	ON SHELF SEE DETAIL		1-EACH 1L.T8	LITHONIA	ONE 4FT TUBE SHELF LIGHT
[E]	H-4912T HOUSING H-1894 ACCESSORY 493 COILEY BAFFLE	RECESSED		30W R20	HALO	NINE VAULT DISPLAY LIGHTS
[F]	LB23120GEB	SURFACE MTD. ON CEILING		2-EACH T8	LITHONIA	2 LAMP WRAP AROUND 4FT.
[G]	2 X 2' 2 LAMP 2PMNGB2US16-4LD-120GEB WITH WIPS AND LAMPS	RECESSED		31W T8 U (6" LEG)	LITHONIA	2 X 2 (2) LAMP LAY-IN
[H]	COACH LIGHT M5211-B1	MOUNT 76" A.F.F.		FLICKER 40W	THOMAS	
[L]	DM246HO120ES-CN20 DM248HO120-CN20	SURFACE		2-F48 120	LITHONIA	VAPOR PROOF TO OPERATE @ 52" F
[M]	4W4 * IHO O 120V WHT FMB48	WALL MOUNT		1-F48 HO	LSI LIGHTING	
[N]	6W4 * IHO O 120V WHT FMB72	WALL MOUNT		1-F72 HO	LSI LIGHTING	
[O]	8W4 * IHO O 120V WHT FMB96	WALL MOUNT		1-F96 HO	LSI LIGHTING	
[P]	32-48566 EXTERNAL ELL 32-48567 INTERNAL ELL	WALL MOUNT			LSI LIGHTING	
[Q]	ST-HIT-1-LAS-FOR-Q-WH ALUMINUM LENS FRAME W/ PRISMATIC FLAT GLASS LENS.	RECESSED AT MANSARD		175w M.H.	SOFFITIER	SOFFIT LITES
[R]	TR2250MTLPI WALL FIXTURE	OUTSIDE SURFACE		250 MH	LITHONIA	REAR EXIT WALL
[S]	8" AUDIO SPEAKER B8-R85 WITH GRILLE	RECESSED			SEABREEZE	
[T]	SLA150MAL150ED 120/2TT	BOTTOM OF MANSARD		150 MH	STONCO	
[E]	T85-8	SURFACE MTD. ON CEILING		N/A	THOMAS	PADDLE FAN (52")
[E]	EXIT/EMERGENCY LITE COMBO LHQM-SWBR-120/2TT	WALL OR CEILING		(2) 4-WATT LAMPS LED	LITHONIA	EXIT / EMERGENCY
[E]	EMERGENCY LITE ELM2	WALL OR CEILING		(2) 4-WATT LAMPS N/A	LITHONIA	EMERGENCY FIXTURE
[E]	TRACK HEAD GT1085H	SURFACE		6E 200W FLUORESCENT 26 WATT	CAPRI	TRACK HEAD
[E]	TRACK CT8N	SURFACE		N/A	CAPRI	8' TRACK
[E]	TRACK CP111W	SURFACE		N/A	CAPRI	90" TRACK
[E]	TRACK FLEX. CP104W	SURFACE		N/A	CAPRI	4' TRACK
[E]	WIRE CONN. CP104W	SURFACE		N/A	CAPRI	END CONNECTOR ▲
[E]	WBC EMERGENCY LITE ---	SURFACE		N/A		EMERGENCY FIXTURE
[E]	CONTOUR. KAD400MR3TB M 400 TYPE III	SITE POLE		(1) 400M	LITHONIA	CONNECTOR

NOTES:
 ALL EMERGENCY LIGHTS, LIGHTING LOCATED IN THE WINE VAULT TO BE WATER / VAPOR PROOF AND ELECTRICAL OUTLETS LOCATED IN THE WINE VAULT TO BE GFI

▲ ALL FLUORESCENT DOUBLE-ENDED LAMP FIXTURES SHALL BE PROVIDED WITH INTERNAL BALLAST DISCONNECT, PER N.E.C.



(TYPICAL UNLESS NOTED ON PLANS) NO SCALE

NOTES:
 A. MOUNT LIGHT SWITCH 36" AFF IN ROOMS FOR HANDICAPPED.
 B. MOUNT DUPLEX RECEPTACLES 32" AFF IN ROOMS FOR HANDICAPPED.

REVISIONS	BY
BUILDING DEPT. 5-14-08	S.L.M.

ALEX PIPER, P.E.
 CONSULTING ENGINEER FL # 42697
 POWER • LIGHTING • SYSTEMS • DATA
 VOICE: 407-376-0648
 FAX: 407-387-3553
 100 Wld Fern Dr.
 Leesburg, FL 34749
 ALEXPIPER@earthlink.net

ABC LIQUORS, INC.
 8989 S. ORANGE AVE. - ORLANDO, FLA. 32809

ABC STORE NO. 50
 SAWGRASS MILLS, SUNRISE, FLORIDA

ELECTRICAL NOTES

DRAWN:	R. CARDONA
CHECKED:	S. RIVERA
DATE:	5-1-07
SCALE:	AS NOTED
JOB No:	50
SHEET	