

	LIGHT FIXTURE DESIGNATION, FLOODLIGHT, SEE LIGHTING FIXTURE
	LIGHT FIXTURE DESIGNATION, SEE LIGHTING FIXTURE SCHEDULE
	LIGHTING FIXTURE, SURFACE MOUNTED
	LIGHTING FIXTURE, RECESSED MOUNTED
	LIGHTING FIXTURE, WALL MOUNTED
	1 X 4 FLUORESCENT LIGHT FIXTURE
	TOGGLE SWITCH 120/277V, 20 AMP. (M.H. = 48° A.F.F.), 3-WAY
	TOGGLE SWITCH 120/277V, 20 AMP. (M.H. = 48° A.F.F.), 4-WAY
	TOGGLE SWITCH 120/277V, 20 AMP. (M.H. = 48° A.F.F.)
	TOGGLE SWITCH 120/277V, 20 AMP. KEYSWITCH (M.H. = 48° A.F.F.)
	FAN SWITCH 120/277V, 20 AMP. (HORSEPOWER RATED) (M.H. = 48° A.F.F.)
	DRY JAM SWITCH (DRY ACTIVATED) 120/277V, 20 AMP. (M.H. = 48° A.F.F.)
	TOGGLE SWITCH 120/277V, 20 AMP. WITH (M.H. = 48° A.F.F.)
	9 MIN. TIME DELAY, RELAY BY MECH. CONT. INSTALLED BY E.C.
	FAN AND LIGHTING SWITCH 120/277V, 20 AMP. (M.H. = 48° A.F.F.), 3-WAY
	TOGGLE SWITCH 120/277V, 20 AMP., WITH PILOT LIGHT (M.H. = 48° A.F.F.)
	TOGGLE SWITCH 120/277V, 20 AMP. EXPLOSION-PROOF
	SPEED SWITCH 120/277V, 20 AMP. U.O.N. (M.H. = 48° A.F.F.)
	SINGLE PHASE MANUAL MOTOR STARTER (M.H. = 48° A.F.F.)
	DIMMER SWITCH 120/277V, 20 AMP. (M.H. = 48° A.F.F.)
	DUPLEX RECEPTACLE, 20 AMP., 125V. (M.H. = 18° A.F.F.)
	DUPLEX RECEPTACLE, 20 AMP., 125V., RECESS FLOOR MOUNTED
	DUPLEX RECEPTACLE, 20 AMP., 125V., CEILING MOUNTING
	USB OUTLET, (M.H. = 18° A.F.F.)
	DUPLEX RECEPTACLE, 20 AMP., 125V., TOP HALF SWITCHED, (M.H. = 18° A.F.F. UNLESS OTHERWISE NOTED)
	DUPLEX RECEPTACLE, 20 AMP., 125V., ISOLATED GND. AND SURGE PROTECTED, (M.H. = 18° A.F.F.)
	SINGLE RECEPTACLE, 20 AMP., 125V., COORDINATE M.H. WITH DEDICATED EQUIPMENT
	FOUR-PLY QD RECEPTACLE, 20A, 125V., (M.H. = 18° A.F.F.)
	SPECIAL PURPOSE OUTLET 220V % $\frac{3}{4}$ RANGE OUTLET, COORD. W/ EQUIP.
	DUPLEX RECEPTACLE, 20 AMP., 125V., MOUNT ABOVE COUNTER
	30 AMP., 125V., TWIST LOCK RECEPTACLE FOR FLOOR POLISHING MACHINE
	JUNCTION BOX, MOUNTING AS SHOWN
	GARAGE DOOR PUSH BUTTON SWITCH
	ELECTRIC MOTOR
	MOTOR STARTER
	COMBINATION MOTOR STARTER, TYPE AS DESIGNATED
	ELECTRICAL PANEL, SEE PANEL SCHEDULE SHEET(S) FOR DETAILS
	EXISTING EQUIPMENT TO REMAIN
	NEW EQUIPMENT OR WORK OF THIS PROJECT
	SMOKE ALARM/CO SENSOR COMBINATION
	120V WITH BATTERY BACK UP
	CIRCUIT BREAKER, TYPE AND SIZE AS PER DRAWINGS.
	LOW VOLTAGE LIGHTING KEYPAD
	CLOCK
	BELL
	TELEPHONE FLOOR MOUNTED
	DUAL TELEPHONE OUTLET MOUNTED AT 18° A.F.F. USE CAT-5
	W/1" STUB UP 6" ABOVE CEILING.
	DUAL TELEPHONE OUTLET MOUNTED AT 54° A.F.F. USE CAT-5
	W/1" STUB UP 6" ABOVE CEILING.
	COMPUTER/DATE/TELEPHONE OUTLET MOUNTED AT 18° A.F.F. USE CAT-5
	W/1" STUB UP 6" ABOVE CEILING.
	TELEVISION OUTLET (M.H. = 18° A.F.F.)
	LIGHTING TRANSFORMER

ABBREVIATIONS			
A.C.	ABOVE COUNTER	G.F.I.	GROUND FAULT INTERRUPTER
A.F.	ARC FAULT	G.F./M.R.	GROUND FAULT INTERRUPTER WITH WEATHER RESISTANT
A.F.F.	ABOVE FINISHED FLOOR		WILE IN USE PIPE COVER
A.S.W.	ABOVE SHOW WINDOW ROPT.		
B.F.C.	BELOW FINISHED CEILING		LOCKABLE COVER
B.F.G.	BELOW FINISHED GRADE	M.H.	MOUNTING HEIGHT
C.B.	CIRCUIT BREAKER	M.C.R.	MAX. ELECTRICAL ROOM
CL	CENTER LINE	N	NEW DEVICE
		N.F.	NON FUSED
D	DEDICATED FOR COMPUTER, PROVIDE DEDICATED GROUND AND NEUTRAL	NL	NIGHT LIGHT
		T.C.	TERMINAL CABINET
EM	EMERGENCY	T.S.	TIME SWITCH
	BATTERY PACK W/TEXTURE, CONNECT AREA OF ALL SWITCHES.	U.O.N.	UNLESS OTHERWISE NOTED
FLR.	FLOOR	WR.	WEATHER PROOF
		WP.	WEATHER RESISTANT
E	EXISTING DEVICE TO REMAIN	TX	TRANSFORMER.
RL	EXISTING RELOCATED	M.S.	MOTION SENSOR
		A.T.S.	AUTOMATIC TRANSFER SWITCH
		CLG.	CEILING
		R.C.	EXISTING TO BE REMOVED

[illegible]

- CIRCUIT BREAKERS SHALL BE BOLT-ON TYPE, INVERSE TIME-TYPE (THERMAL-MAGNETIC) AND THREE-PHASE CIRCUIT BREAKERS SHALL HAVE COMMON TRIP. ALL PANELBOARDS SHALL HAVE CORROSION RESISTANT COATING.
- UNLESS NOTED AS EXISTING, ALL EQUIPMENT, WIRING, DEVICES, ETC. SHALL BE NEW.
- WHERE CORE DRILLING OF FLOOR/WALLS IS REQUIRED, CONTRACTOR SHALL SEAL OPENINGS WATERPROOF AFTER UTILITIES HAVE BEEN INSTALLED. LOCATION OF CORE HOLES SHALL BE COORDINATED WITH LOCATION OF EQUIPMENT IN A MANNER TO BE CLEAN AND FUNCTIONAL. THE CONTRACTOR SHALL INSTALL ONLY ONE CONDUIT PER HOLE AND SEAL THE OPENING AROUND THE CONDUIT AS SPECIFIED.
- PROVIDE FIRE RETARDANT UL APPROVED SCAFFOLD ON ALL PENETRATIONS OF FIRE RATED PARTITIONS, WALLS AND STRUCTURES. SCAFFOLD SHALL BE MADE OF STEEL OR ALUMINUM. BALANCE OF THE ELECTRICAL CONTRACTOR TO VERIFY TO PROVE BY TESTING BIDDING BID LOCATIONS OF ALL SUCH FIRE RATED PARTITIONS AND STRUCTURAL MEMBERS, SLABS.
- SUBALLS SHALL HAVE MIN. POWER FACTOR OF 0.90. BALLASTS FOR METAL HALIDE AND HIGH PRESSURE SODIUM FIXTURES SHALL BE CONSTANT. FLUORESCENT BALLASTS SHALL BE FULLY COMPENSATED TO PROVIDE VOLTAGE REGULATION.
- ELECTRICAL CONTRACTOR TO VERIFY TERMINAL BARS OF THE NORMAL AND EMERGENCY ELECTRICAL SYSTEM PANELBOARDS SERVING THE SAME BUILDING SHALL BE BOLDED TOGETHER WITH AN INSULATED, CONTINUOUS, COPPER CONDUCTOR NOT SMALLER THAN NUMBER 6.
- CONNECTIONS TO GROUND SHALL BE USED TO SECURELY CONNECT TO THE MAIN SERVICE. CONTRACTOR SHALL VERIFY EACH FIXTURE VOLTAGE PRIOR TO ORDERING.
- ALL CONNECTIONS TO GROUND TO A BUILDING STEEL SHALL BE MADE WITH UL APPROVED HEAVY DUTY CONNECTIONS. UNLESS OTHERWISE SPECIFIED, THE CONTRACTOR SHALL FORM A GRONDING ELECTRODE SYSTEM AS PER NEC 250-48.
- PROVIDE MOUNTING BRACKETS FOR ELECTRICAL AND COMMUNICATION EQUIPMENT. BACKBOARDS SHALL BE 1/2" THICK PLYWOOD, PAINTED ON BOTH SIDES AND EDGES WITH TWO COATS OF LIGHT GREY PAINT.
- PROVIDE A FUSE HOLDER AND FUSES IN THE PRIMARY SIDE OF EACH UNGROUNDED CONDUCTOR FOR OVERCURRENT PROTECTION. PROVIDE A 1/2" DIA. CIRCULAR HOLE OF EACH EXTERIOR POLE MOUNTED LIGHTING FIXTURE & J-BOX FOR WALL OR GROUND EXTENDED EXTERIOR FIXTURES.
- PROVIDE TOWERED ELECTRICAL SERVICE FOR USE BY ALL TRADES DURING CONSTRUCTION AND REMOVE SAME AT COMPLETION OF PROJECT.
- THE ELECTRICAL CONTRACTOR SHALL FURNISH A COMPLETE SET OF AS-BUILT DRAWINGS SHOWING ALL CHANGES AND MODIFICATIONS TO THE ARCHITECT/ENGINEER PRIOR TO COMPLETION OF THE PROJECT.
- PREPARE AND AFFIX A PREPARED DIRECTORY TO THE INSIDE COVER OF EACH PANELBOARD INDICATING LOADS SERVED BY EACH CIRCUIT AND PANEL FEEDING THE BOARD.
- PROVIDE UL LISTED COMPONENT APPLIED TO BACK OF "BACK TO BACK" BOARDS IN INAILED MANSION WHERE THE BOXES ARE LESS THAN 24 INCHES APART MEASURED HORIZONTALLY.
- NOT USED.
- METER CABS, HUBS, & LUGS FOR SAME ARE TO BE FURNISHED & INSTALLED BY CONTRACTOR. CONTRACTOR TO VERIFY SPECIFIC TYPE OF METER CAN BE USED WITH F.P.D. PERIOD TO BID. ALL THREE PHASE METER AND COMMERCIAL METER SHALL HAVE LEVEL BY PASS FOR REQUIREMENT.
- A. PROVIDE A PERMANENT SIGN ON THE MAIN ELECTRICAL ROOM DOOR TO STATE THAT THE SERVICE DISCONNECTS ARE LOCATED INSIDE.
- B. SIGNS SHALL BE PLACED AT EACH SERVICE DISCONNECT EQUIPMENT INDICATING TYPE AND LOCATION OF ON-SITE GENERATOR POWER SOURCES.
- C. VOLTAGE AND SERVICE NUMBER SHALL BE INDICATED AT EACH DISCONNECT.
- NOT USED.
- THE CONTRACTOR SHALL SUBMIT 6 COPIES OF EQUIPMENT SHOP DRAWINGS FOR ELECTRICAL EQUIPMENT TO THE ENGINEER FOR REVIEW PRIOR TO ORDERING SUCH EQUIPMENT.
- ELECTRICAL SYSTEM COMPLIANCE WITH FCC ENERGY CONSERVATION CODE
- A. CONTRACTOR SHALL WITHIN 30 DAYS OF SYSTEM ACCEPTANCE PROVIDE RECORD DRAWINGS TO THE OWNER.
- B. CONTRACTOR SHALL PROVIDE THE BUILDING OWNER OPERATIONAL MANUAL AS PART OF THE SYSTEM ACCEPTANCE.
- C. THE MAXIMUM VOLTAGE DROP FOR FEEDER SHALL NOT EXCEED .2%.
- D. THE MAXIMUM VOLTAGE DROP FOR BRANCH CIRCUITS SHALL NOT EXCEED .3%.
- E. CONTRACTOR SHALL PROVIDE PROTECTION OF STAFF FROM SHOCK FOR ALL SPACES OCCUPIED BY CEILING HEIGHT PARTITIONS VIA MOTION SENSOR SET TO A MAXIMUM OF 30MINS. OF ALL OCCUPANTS LEAVING THE SPACE.
- F. CONTRACTOR SHALL PROVIDE FOR ALL OTHER SPACES, EACH CONTROL DEVICES SHALL BE ACTIVATED EITHER MANUALLY BY AN OCCUPANT OR AUTOMATICALLY AN OCCUPANT. EACH CONTROL DEVICE SHALL BE CAPABLE OF OPERATING UP TO 100% OF THE DAY SCHEDULE SHUT OFF CONTROL FOR MORE THAN 4 HOURS.
- G. ALL ENTRY CONDUITS SHALL BE PROVIDED WITH PULL STRINGING MARKED AT BOTH ENDS.
- H. CONTRACTOR SHALL PROVIDE NEUTRAL TO ALL EQUIPMENT UNIT.
- I. DOORS AND GATES CONTROL SHALL BE FURNISHED AND INSTALLED BY CONTRACTOR.
- J. CONTRACTOR SHALL PROVIDE TAMPER RESISTANT RECEPTACLES IN DWELLING UNITS AS REQUIRED BY IFC 406.172.
- K. PROVIDE ARC FLASH PROTECTION TO ALL OUTLET LOCATED AT KITCHENS, FAMILY ROOMS, DINING ROOMS, BREAKFAST ROOMS, PORCHES, PATIOS, TERRAZZOS, GARAGES, LAUNDRIES, ETC. PART OF THE CIRCUIT FOR KITCHENS, HALLWAYS, LAUNDRY AREAS AND ALL OTHER SIMILAR ARE PER NEC 210.72.
- L. ELECTRICAL CONTRACTOR IS RESPONSIBLE TO VERIFY AVAILABLE FAULT CURRENT WITH UTILITY COMPANY.
- M. ALL OUTDOOR ILLUMINATION SHALL BE CONTROLLED VIA TIME SWITCH AND PHOTOCELL U/V. PROVIDE A REMOTE CONTROLLED TIME SWITCH CAPABLE OF RETAINING PROGRAMMED AND THE TIME SETTING DURING A PERIOD OF FAILURE OF AT LEAST 1 HOUR. AS PER FLORIDA BUILDING CODE FC 6206.2.4. EXTERIOR LIGHTING CONTROL.
- N. ON DWELLING UNITS WHEN MORE THAN 12 SMOKE ALARMS ARE TO BE CONNECTED TOGETHER, CONTRACTOR SHALL PROVIDE LOW VOLTAGE HOUSEHOLD FIRE ALARM SYSTEM AS PER NFPA32 SECTION 29.8.2.2.
- O. ALL EXTERIOR LIGHT FIXTURES EXPOSED TO WEATHER, SHALL BE WEATHER PROOF.