

SYMBOL SCHEDULE			
SYMBOL	DESCRIPTION (DISREGARD ITEMS NOT SHOWN ON PLANS)	SYMBOL	DESCRIPTION (DISREGARD ITEMS NOT SHOWN ON PLANS)
LIGHTING (LETTER DENOTES TYPE - SEE LIGHT FIXTURE SCHEDULE)		MISCELLANEOUS EQUIPMENT	
	LIGHT FIXTURE		FIRE ALARM CONTROL PANEL
	FIXTURE ON EMERGENCY CIRCUIT OR BATTERY BACK-UP		FIRE ALARM REMOTE ANNUNCIATOR
	DOWNLIGHT FIXTURE		TRANSFORMER FOR DOOR BELL/BUZZER
	LIGHT FIXTURE - WALL MOUNTED		CHIME/BUZZER
	DOWNLIGHT FIXTURE ON EMERGENCY CIRCUIT	MOTOR CONTROLLERS AND EQUIPMENT	
	LIGHT FIXTURE - WALL MOUNTED ON EMERGENCY CIRCUIT		MOTOR, MAKE FINAL MOTOR CONNECTION
	EXIT LIGHT-CEILING MTD WITH DIRECTIONAL ARROWS AS REQUIRED		3-PHASE MOTOR, MAKE FINAL MOTOR CONNECTION
	EXIT LIGHT-WALL MTD WITH DIRECTIONAL ARROWS AS REQUIRED		DISCONNECT SWITCH AS REQUIRED
SWITCHES			FUSED DISCONNECT SWITCH AS REQUIRED
	SINGLE POLE SWITCH		COMBINATION MOTOR STARTER/DISCONNECT SWITCH AS REQUIRED
	2-POLE SWITCH		MOTOR STARTER
	3-WAY SWITCH		MANUAL MOTOR SWITCH AS REQUIRED
	4-WAY SWITCH		PREWIRED DEVICE, MAKE ELECTRICAL FINAL CONNECTIONS
	KEYED SWITCH		VARIABLE FREQUENCY DRIVE MOTOR CONTROLLER FURNISHED BY DIVISION 23 AND INSTALLED BY DIVISION 26.
	KEYED 3-WAY SWITCH	ELECTRICAL EQUIPMENT	
	WALL DIMMER SWITCH, SIZE AND TYPE AS REQUIRED		ELECTRICAL DISTRIBUTION OR PANELBOARD
	WALL MOUNTED DIMMER SWITCH WITH VACANCY SENSOR, MANUAL ON / AUTO OFF.		DRY TYPE TRANSFORMER
	WALL MOUNTED SWITCH WITH VACANCY SENSOR, MANUAL ON / AUTO OFF.	CIRCUITING	
	WALL MOUNTED SWITCH WITH VACANCY SENSOR, AUTO ON / AUTO OFF.		CONDUIT
	SWITCH WITH PILOT LIGHT		CONDUIT BELOW FLOOR, SLAB, OR GRADE
	MOMENTARY CONTACT SWITCH	SUBSCRIPTS AND ABBREVIATIONS	
	PUSH BUTTON	WG	INDICATES WIREGUARD
	6-HOUR TIMER SWITCH WITH HOLD	H	INDICATES HORIZONTAL
	6-HOUR TIMER SWITCH WITH NO HOLD	TL	INDICATES TWIST LOCK
	20 AMP GENERATOR TRANSFER DEVICE	NL	LIGHT FIXTURE ON NIGHT LIGHT CIRCUIT
	WIRELESS SWITCH	ERMS	ENERGY REDUCTION MAINTENANCE SWITCH
LOW VOLTAGE LIGHTING CONTROLS		1-L	REFER TO ONE-LINE DIAGRAM
	LOW VOLTAGE LIGHTING CONTROLLER WALL SWITCH	W	INDICATES WALL MOUNTED DEVICE
	BMCS TIMER LOCAL OVERRIDE SWITCH	AC	ABOVE COUNTERTOP
	CEILING MOUNTED PHOTO SENSOR	AFF	ABOVE FINISH FLOOR
	CEILING MOUNTED VACANCY SENSOR, MANUAL ON / AUTO OFF	AFG	ABOVE FINISH GRADE
	CEILING MOUNTED OCCUPANCY SENSOR, AUTO ON / AUTO OFF	ANNC	ANNUNCIATOR
	LIGHTING CONTROLLER WITH GTD, ZONES AS REQUIRED.	CC	CONTROLS CONTRACTOR
RECEPTACLES AND OUTLETS		DF	DRINKING FOUNTAIN
	SIMPLEX RECEPTACLE	EC	ELECTRICAL CONTRACTOR
	DUPLEX RECEPTACLE	EF	EXHAUST FAN
	POWER POLE	ERMS	ENERGY REDUCTION MAINTENANCE SWITCH
	125/250 VOLT, 1 PHASE, 3-WIRE, 20 AMPS UNLESS NOTED OTHERWISE	EXR	EXISTING RELOCATED
	CEILING MOUNTED RECEPTACLE	GC	GENERAL CONTRACTOR
	DOUBLE DUPLEX IN 2-GANG BOX WITH SINGLE COVER PLATE	GFI	GROUND FAULT INTERRUPT
	DOUBLE DUPLEX GROUND FAULT CIRCUIT INTERRUPTER RECEPTACLE IN 2-GANG BOX WITH SINGLE COVER PLATE.	HP	HORSEPOWER
	DUPLEX GROUND FAULT CIRCUIT INTERRUPTER RECEPTACLE	IBC	INTERNATIONAL BUILDING CODE
	FLUSH FLOOR CONCEALED SERVICE DUPLEX RECEPTACLE OUTLET	IG	ISOLATED GROUND
	FLUSH FLOOR CONCEALED SERVICE DOUBLE DUPLEX RECEPTACLE OUTLET	LSIG	LONG TIME, SHORT TIME, INSTANTANEOUS, AND GROUND
	CONCEALED SERVICE MULTI-ACCESS FLOOR BOX WITH WIRING DEVICES AS INDICATED ON DRAWINGS. SIZE TO MATCH DEVICE QUANTITIES.	LV	LOW VOLTAGE
	REMOTE BLANK FACE GFCI DEVICE	LVRP	LV RELAY PANEL
	PROVIDE DUPLEX RECEPTACLE WITH (2) USB CHARGING PORTS.	MC	MECHANICAL CONTRACTOR
	E.C. TO PROVIDE ROUGH-IN FOR CARD READER JUNCTION BOX. REFER TO TECHNOLOGY SHEETS FOR ADDITIONAL INFORMATION.	MCA	MINIMUM CIRCUIT AMPS
	SWITCH CONTROLLED RECEPTACLE WITH THE TOP RECEPTACLE LOAD CONTROLLED VIA PLUG LOAD SWITCH MEETING 2021 IECC 405.11 REQUIREMENTS. SPLIT LOAD-CONTROLLED RECEPTACLES SHALL BE PERMANENTLY FACTORY MARKED AS CONTROLLED.	MDP	MAIN DISTRIBUTION PANEL
	ELECTRICAL CONNECTION	MCB	MAIN CIRCUIT BREAKER
	ELECTRICAL J-BOX CONNECTION	MLO	MAIN LUG ONLY
		MTD	MOUNTED
		NIC	NOT IN CONTRACT
		OCC	OCCUPANCY
		PC	PLUMBING CONTRACTOR
		PNL	PANEL
		SPST	SINGLE POLE SINGLE THROW
		TTB	TELEPHONE TERMINAL BOARD
		TYP	TYPICAL
		WG	WIRE GUARD
		WP	WEATHER PROOF
		20A	20 AMP
		Ø	PHASE
		3W	3 WIRE
		1P20A	SINGLE POLE 20 AMP
		•	NEXT TO ANY SYMBOL, INDICATES FINAL ROUGH-IN FIELD COORDINATION BY CONTRACTOR WITH ARCHITECTURAL MILLWORK DRAWINGS AND OTHER TRADES.
GENERAL NOTES:			
1. ALL EXTERIOR BUILDING ELECTRICAL EQUIPMENT AND DEVICES TO BE WEATHERPROOF NEMA-3R MINIMUM.			

GENERAL ELECTRICAL NOTES	
1.	CONTRACTOR TO VERIFY EXISTING ELECTRICAL CONDITIONS AND NOTIFY ARCHITECT/ENGINEER OF ANY ELECTRICAL OR CODE ISSUES PRIOR TO BID. CONTRACTOR IS RESPONSIBLE FOR PROVIDING A COMPLETE AND OPERATIONAL CODE COMPLIANT SYSTEM.
2.	ALL WORK SHALL BE IN CONFORMANCE WITH NATIONAL, STATE, AND LOCAL CODES AND/OR ORDINANCES.
3.	ELECTRICAL CONTRACTOR SHALL COORDINATE WORK WITH ALL OTHER CONTRACTORS & LOCAL UTILITY. E.C. SHALL CONTACT LOCAL UTILITY FOR EXACT SERVICE REQUIREMENTS TO INCLUDE BUT NOT LIMITED TO TRANSFORMER, METERING AND CABLING. LOCAL UTILITY REQUIREMENTS SUPERSEDE DRAWINGS AND SPECIFICATIONS.
4.	SEE ARCHITECTURAL, MECHANICAL, & PLUMBING DRAWINGS FOR ADDITIONAL REQUIREMENTS.
5.	ELECTRICAL DRAWINGS ARE DIAGRAMMATIC ONLY. THEY ARE INTENDED TO GIVE APPROXIMATE LOCATIONS AND OVERALL DESIGN INTENT. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR PRODUCTS, MATERIALS, AND ELECTRICAL METHODS WHICH HAVE NOT BEEN SHOWN OR INDICATED BUT ARE REQUIRED FOR A COMPLETE SYSTEM TO THE STANDARDS OF THE INDUSTRY.
6.	UPON COMPLETION OF THE ELECTRICAL WORK, THE INSTALLATION SHALL BE TESTED FOR CONTINUITY, GROUNDS, AND SHORT CIRCUITS. THE ELECTRICAL CONTRACTOR SHALL DEMONSTRATE PROPER PERFORMANCE OF ALL SYSTEMS. ALL DEFECTIVE WORK OR MATERIALS SHALL BE REPLACED OR REPAIRED AS NECESSARY AND RETESTED.
7.	ELECTRICAL RACEWAYS THAT PENETRATE FIRE RATED ASSEMBLIES SHALL BE SLEEVED AND SEALED AS PER THE LOCAL BUILDING CODE.
8.	THE ELECTRICAL CONTRACTOR SHALL PROVIDE A TEMPORARY ELECTRICAL SYSTEM FOR THE PROJECT. AT LEAST ONE 120 VOLT SINGLE PHASE RECEPTACLE SHALL BE PROVIDED FOR EACH 500 SQUARE FEET OF FLOOR SPACE. SUFFICIENT TEMPORARY LIGHTING SHALL BE PROVIDED TO ALLOW ALL CONTRACTORS TO COMPLETE THEIR WORK. TEMPORARY ELECTRICAL CIRCUITS SHALL BE EQUIPPED WITH COMBINATION GROUND FAULT INTERRUPTER AND CIRCUIT BREAKER PER NEC. TEMPORARY ELECTRICAL SYSTEM SHALL BE INCLUDED IN THIS BID. USAGE CHARGES SHALL BE PAID FOR BY THE GENERAL CONTRACTOR.

FIRE ALARM GENERAL NOTES	
1.	FIRE ALARM SCOPE: REPLACE EXISTING DUCT DETECTORS AND OTHER DEVICES AS REQUIRED. PROVIDE NEW DETECTORS WHERE REQUIRED BY CODE. EXTEND THE EXISTING FIRE ALARM PANEL AS REQUIRED TO CONNECT THE NEW DEVICES.
2.	FIRE ALARM CONTRACTOR IS RESPONSIBLE FOR VERIFICATION OF THE EXISTING SYSTEM IN ITS ENTIRETY AND REPORTING ANY ADDITIONAL SCOPE OF WORK REQUIRED PRIOR TO ANY TRADES PROCEEDING WITH WORK. EXISTING DETECTORS SHALL BE DISCONNECTED AND REPLACED WITH NEW DETECTORS IN KIND. PROVIDE ALL NAC PANELS, POWER SUPPLIES, ETC. REQUIRED TO MAKE A COMPLETE AND CODE-COMPLIANT SYSTEM. EC COORDINATE WITH OWNERS LICENSED FIRE ALARM INSTALLERS FOR FINAL DEVICE LAYOUT. QUANTITIES AND LOCATIONS AS REQUIRED BY FIRE ALARM CONTRACTOR.
3.	BUILDING DOES HAVE AN AUTOMATIC SPRINKLER SYSTEM.
4.	BASIC SPECIFICATIONS ARE INCLUDED TO GIVE GUIDANCE FOR BIDDING BY OTHER THAN THE EC, BECAUSE EC RESPONSIBILITY IS ROUGH IN ONLY.
5.	EC COORDINATE WITH FIRE ALARM CONTRACTORS AHJ APPROVED SHOP DRAWINGS FOR ROUGH IN LOCATIONS.
6.	CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL WIRING, COMPONENTS, AND DEVICES REQUIRED TO MEET THE LOCAL CODE. THE FIRE ALARM SYSTEM SHOULD BE DESIGNED AND INSTALLED BY A LICENSED FIRE ALARM CONTRACTOR.

ELECTRICAL SHEET INDEX	
E000	ELECTRICAL TITLE SHEET
ED201	ELECTRICAL DEMOLITION POWER PLAN - EAST
ED202	ELECTRICAL DEMOLITION POWER PLAN - WEST
E201	ELECTRICAL POWER PLAN - EAST
E202	ELECTRICAL POWER PLAN - WEST
E401	ELECTRICAL ONE-LINE DIAGRAM
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REVISIONS		
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WAYLAND BONDS
2025 HVAC

sheet no:
E000

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CA#: 7058 Expiration Date: 06/30/2027
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