

AMP	AMPERE	JB	JUNCTION BOX
AC	ABOVE COUNTER	KO	KNOCK OUT
AFB	ABOVE FINISHED FLOOR	KVA	KILOVOLT-AMPERE
AFG	ABOVE FINISHED GRADE	KW	KILOWATT
AIC	AVAILABLE INTERRUPT CURRENT	LV	LOW VOLTAGE
BFG	BELOW FINISHED GRADE	LVS	LOW VOLTAGE SWITCH
C	CONDUIT	MCB	MAIN CIRCUIT BREAKER
CB	CIRCUIT BREAKER	MDF	MAIN DISTRIBUTION FRAME
CLG	CEILING	MDGF	MODIFIED DIFFERENTIAL GROUND FAULT
EC	ELECTRICAL CONTRACTOR	MLO	MAIN LUG ONLY
EL	EMERGENCY LIGHT CIRCUIT	MTG	MOUNTING
EMT	ELECTRICAL METALLIC TUBING	MTD	MOUNTED
EP	EXPLOSION PROOF	NA	NOT APPLICABLE
ETR	EXISTING TO BE RELOCATED	NL	NIGHT LIGHT
ERL	EXISTING, RELOCATED	NTS	NOT TO SCALE
ER	ELEVATOR RECALL	OB	OUTBOARD
EX	EXISTING	OC	ON CENTER
EXR	EXISTING TO BE REMOVED	P	POLE OR PILOT
FLA	FULL LOAD AMPERES	PC	PHOTOCONTROL
FS	FURNITURE SYSTEM	PH	PHASE
FVNR	FULL VOLTAGE NON-REVERSING	PNL	PANEL
G	GROUND	TC	TIMECLOCK
GFCI	GROUND FAULT CIRCUIT INTERRUPTER	TYP	TYPICAL
GFP	GROUND FAULT PROTECTION	UG	UNDERGROUND
GRC	GALVANIZED RIGID CONDUIT	UNO	UNLESS NOTED OTHERWISE
GND	GROUND	UPS	UNINTERRUPTIBLE POWER SUPPLY
HC	HORIZONTAL CROSS-CONNECT	V	VOLTAGE
IB	INBOARD	WAP	WIRELESS ACCESS POINT
IC	INTERMEDIATE CROSS-CONNECT	WP	WEATHERPROOF
IDF	INTERMEDIATE DISTRIBUTION FRAME	XFMR	TRANSFORMER
IMC	INTERMEDIATE METALLIC CONDUIT	Z	ZONE

	PENDANT MOUNTED FIXTURE		VOICE/DATA OUTLET, MOUNT 18" AFF TO CENTER OF BOX		SHUNT TRIP
	SURFACE MOUNTED FIXTURE		DATA OUTLET, MOUNT 18" AFF TO CENTER OF BOX		ZONE SELECTIVE INTERLOCK
	SURFACE MOUNTED FIXTURE FOR EMERGENCY EGRESS		VOICE OUTLET, MOUNT 18" AFF TO CENTER OF BOX, SUBSCRIPTS INDICATE AS FOLLOWS: (N) WALL PHONE, MOUNT 48" AFF TO TOP OF BOX		KIRK KEY INTERLOCK
	RECESSED DOWNLIGHT FIXTURE		VOICE OUTLET, MOUNT 18" AFF TO CENTER OF BOX, SUBSCRIPTS INDICATE AS FOLLOWS: (N) WALL PHONE, MOUNT 48" AFF TO TOP OF BOX		PLC CONNECTION
	RECESSED DOWNLIGHT FIXTURE FOR EMERGENCY EGRESS		FLOOR VOICE/DATA OUTLET		FUSE
	RECESSED FIXTURE, SIZE AS SHOWN		AV OUTLET		SWITCH, SCHEMATIC
	RECESSED FIXTURE FOR EMERGENCY EGRESS, SIZE AS SHOWN, SEE SCHEDULE FOR SPLIT WIRING REQUIREMENTS.		SPEAKER (W = WALL)		CIRCUIT BREAKER
	SURFACE OR SUSPENDED FIXTURE, SIZE AS SHOWN		PAGING HORN		DRAWOUT CIRCUIT BREAKER
	SURFACE OR SUSPENDED FIXTURE FOR EMERGENCY EGRESS, SIZE AS SHOWN, SEE SCHEDULE FOR SPLIT WIRING REQUIREMENTS.		VOLUME CONTROL		MEDIUM VOLTAGE DRAWOUT CIRCUIT BREAKER
	STRIP FIXTURE, LENGTH AS SHOWN		DOOR HOLDER		TRANSFORMER, SCHEMATIC
	STRIP FIXTURE FOR EMERGENCY EGRESS, LENGTH AS SHOWN		ADDRESSABLE MANUAL PULL STATION, MOUNT 48" AFF TO TOP OF BOX		GROUND CONNECTION
	WALL MOUNTED FIXTURE		ADDRESSABLE SMOKE DETECTOR, (ER) ELEVATOR RECALL		CONTACT, NORMALLY OPEN
	WALL MOUNTED FIXTURE FOR EMERGENCY EGRESS		HEAT DETECTOR		CONTACT, NORMALLY CLOSED
	WALL BRACKET FIXTURE		ADDRESSABLE TEMPERATURE SWITCH, OR ADDRESSABLE MODULE AND DRY CONTACT TEMPERATURE SWITCH FOR LOW BUILDING TEMP ALARM		MALE CONTACT
	WALL BRACKET FIXTURE FOR EMERGENCY EGRESS		ADDRESSABLE TEMPERATURE SWITCH, OR ADDRESSABLE MODULE AND DRY CONTACT TEMPERATURE SWITCH FOR LOW BUILDING TEMP ALARM		FEMALE CONTACT
	TRACK AND TRACK HEAD FIXTURES		ADDRESSABLE MONITOR MODULE		COIL
	POLE MOUNTED FIXTURE		ADDRESSABLE CONTROL MODULE		PANEL OR OTHER DISTRIBUTION EQUIPMENT
	WALL MOUNTED EXIT FIXTURE, SHADING INDICATES QUANTITY OF HEADS		INTELLIGENT ADDRESSABLE DUCT SMOKE DETECTOR WITH RELAY		CAMERA - FIXED
	Ceiling or Pendant Mounted Exit Fixture, Shading Indicates Quantity of Heads		FIRE DAMPER SMOKE DETECTOR		CAMERA - FIXED WITH IP66 ENCLOSURE
	EMERGENCY BATTERY UNIT		FLOW SWITCH PROVIDED BY OTHERS, ELECTRICAL CONTRACTOR TO CONNECT TO SPRINKLER ALARM BELLS DIRECTLY, AND TO FIRE ALARM SYSTEM THROUGH ADDRESSABLE MODULE		CAMERA - PTZ
	WALL MOUNTED REMOTE HEADS		VALVE TAMPER SWITCH PROVIDED BY OTHERS, ELECTRICAL CONTRACTOR TO MOUNT AND CONNECT TO SPRINKLER ALARM BELLS DIRECTLY AND TO FIRE ALARM SYSTEM THROUGH ADDRESSABLE MODULE		CAMERA - PTZ WITH IP66 ENCLOSURE
	Ceiling Mounted Remote Heads		CARD READER		DOOR CONTACT
	SINGLE POLE TOGGLE SWITCH, SUBSCRIPTS INDICATE AS FOLLOWS: (3) THREE WAY (4) FOUR WAY (K) KEY (P) PILOT LIGHT, MOUNT 48" AFF TO TOP OF BOX		ELECTRIC STRIKE		KEY PAD
	WALL SWITCH PIR OCCUPANCY SENSOR, MOUNT 48" AFF TO TOP OF BOX		MAGNETIC LOCK		MOTION DETECTOR
	DUAL, RELAY WALL SWITCH PIR OCCUPANCY SENSOR, MOUNT 48" AFF TO TOP OF BOX		REQUEST TO EXIT SENSOR		AMMONIA ALARM
	LOW VOLTAGE SWITCH OR SWITCH STATION, MOUNT 48" AFF TO TOP OF BOX		TEMPERATURE SENSOR		GREEN PUSH BUTTON TO RELEASE MAGNETIC LOCK
	DIGITAL TIME SWITCH		PANIC ALARM LIGHT		PANIC ALARM LIGHT
	WALL BOX DIMMER		PANIC ALARM LIGHT		PANIC ALARM LIGHT
	OCCUPANCY SENSOR		PANIC ALARM LIGHT		PANIC ALARM LIGHT
	DAYLIGHTING SENSOR		PANIC ALARM LIGHT		PANIC ALARM LIGHT
	PHOTOCONTROL		PANIC ALARM LIGHT		PANIC ALARM LIGHT
	DUPLEX RECEPTACLE, MOUNT 18" AFF TO CENTER OF BOX		PANIC ALARM LIGHT		PANIC ALARM LIGHT
	ISOLATED GROUND DUPLEX RECEPTACLE, MOUNT 18" AFF TO CENTER OF BOX		PANIC ALARM LIGHT		PANIC ALARM LIGHT
	DUPLEX RECEPTACLE, MOUNT 48" AFF TO TOP OF BOX UNLESS LOCATED ABOVE COUNTER MOUNT OUTLETS ABOVE COUNTER 2" ABOVE BACKSPASH TO BOTTOM OF BOX		PANIC ALARM LIGHT		PANIC ALARM LIGHT
	DOUBLE DUPLEX RECEPTACLE, MOUNT 18" AFF TO CENTER OF BOX		PANIC ALARM LIGHT		PANIC ALARM LIGHT
	DOUBLE DUPLEX RECEPTACLE, MOUNT 48" AFF TO TOP OF BOX UNLESS LOCATED ABOVE COUNTER MOUNT OUTLETS ABOVE COUNTER 2" ABOVE BACKSPASH TO BOTTOM OF BOX		PANIC ALARM LIGHT		PANIC ALARM LIGHT
	FLOOR RECEPTACLE		PANIC ALARM LIGHT		PANIC ALARM LIGHT
	Ceiling RECEPTACLE		PANIC ALARM LIGHT		PANIC ALARM LIGHT
	WIREMOLD		PANIC ALARM LIGHT		PANIC ALARM LIGHT
	MOTOR CONNECTION, SCHEDULE ITEM XX		PANIC ALARM LIGHT		PANIC ALARM LIGHT
	EQUIPMENT CONNECTION, SCHEDULE ITEM XX		PANIC ALARM LIGHT		PANIC ALARM LIGHT
	FURNITURE SYSTEM CONNECTION		PANIC ALARM LIGHT		PANIC ALARM LIGHT
	DISCONNECT		PANIC ALARM LIGHT		PANIC ALARM LIGHT

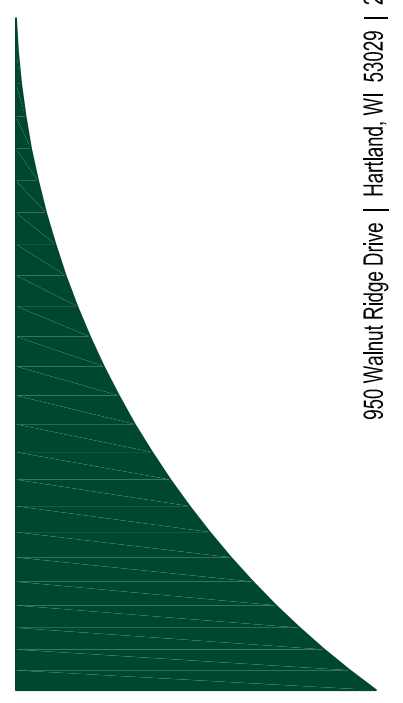
1. PROVIDE SEPARATE NEUTRALS FOR ALL 120V AND 277V BRANCH CIRCUITS. MULTI-WIRE BRANCH CIRCUITS SHALL NOT BE USED WITH THE EXCEPTION OF CONNECTIONS TO FURNITURE SYSTEMS.
2. MINIMUM BRANCH CIRCUIT WIRING TO BE SIZED FOR 3 PERCENT MAXIMUM VOLTAGE DROP. MINIMUM FEEDER WIRING TO BE SIZED FOR 2 PERCENT MAXIMUM VOLTAGE DROP.
3. MOUNTING HEIGHTS SHALL CONFORM WITH ADA GUIDELINES.
4. INSULATE AND SEAL CONDUIT PENETRATIONS BETWEEN SPACES AT DIFFERENT TEMPERATURES AND HUMIDITY LEVELS.
5. PROVIDE A PULL STRING IN ANY EMPTY CONDUIT RUNS.
6. MODIFY EXISTING FIRE ALARM SYSTEM AS SHOWN. SYSTEM SHALL REMAIN ACTIVE IN AREAS NOT BEING RENOVATED.
7. ROUGH-IN FOR COMMUNICATION AND AV OUTLETS. SEE SMC COMMUNICATIONS DRAWINGS FOR REQUIREMENTS.

1. ELECTRICAL CONTRACTOR (EC) SHALL BE RESPONSIBLE FOR COMPLETE REMOVAL OR RELOCATION OF EXISTING ELECTRICAL SYSTEMS AS INDICATED ON THE PLANS OR AS NECESSARY TO FACILITATE NEW CONSTRUCTION, AS USED HERE THE TERM ELECTRICAL SYSTEMS INCLUDES ALL LINE AND LOW VOLTAGE ELECTRICAL EQUIPMENT, FIXTURES, DEVICES, CONDUIT, WIRING, CABLES AND ASSOCIATED OTHER MATERIALS.
2. PLANS ARE DIAGRAMMATIC OF INTENT ONLY AND MAY NOT INDICATE ALL ELECTRICAL SYSTEMS TO BE REMOVED OR RELOCATED. EC SHALL VERIFY FIELD CONDITIONS PRIOR TO BID SUBMISSION AND INCLUDE ALL COSTS FOR REMOVAL WORK. ANY ADDITIONAL COST WILL BE ALLOWED POST-BID FOR FURTHER TO DO SO.
3. EC SHALL COORDINATE DEMOLITION WORK WITH THAT OF OTHER TRADES. SEE DRAWINGS OF OTHER DIVISIONS FOR ADDITIONAL REQUIREMENTS.
4. REMOVAL OF ELECTRICAL SYSTEMS SHALL INCLUDE THE REMOVAL OF ALL ASSOCIATED EQUIPMENT AND MATERIALS THAT WILL BE LARGER IN SIZE THAN THE EXISTING DISCONNECTS, STARTERS, OR OTHER AUXILIARY DEVICES. CONDUIT SYSTEMS SHALL BE REMOVED IN ACCESSIBLE SPACES. CIRCUIT CONDUCTORS SHALL BE REMOVED TO THE POINT OF ORIGIN. CONDUCTORS SERVING OTHER LOADS REMAINING IN SERVICE MAY BE REMOVED TO AN APPROPRIATE JUNCTION POINT TO MAINTAIN CIRCUIT INTEGRITY.
5. EXCEPT AS OTHERWISE NOTED, ELECTRICAL DEMOLITION WORK SHALL INCLUDE LOW VOLTAGE CABLES SUCH AS BUT NOT LIMITED TO COMMUNICATION CABLES. ALL LOW VOLTAGE CABLES, UNLESS ABANDONED LOW VOLTAGE CABLEING SHALL BE REMOVED PER NEC REQUIREMENTS. VERIFY STATUS OF SYSTEMS WITH OWNER.
6. EC SHALL BE RESPONSIBLE TO COORDINATE REQUIREMENTS AND MAINTAIN IN SERVICE OR RELOCATE AS NECESSARY ANY AFTER-EXISTING ELECTRICAL SYSTEMS NECESSARY FOR ONGOING OPERATIONS DURING CONSTRUCTION.
7. SHUTDOWNS AND SERVICE INTERRUPTIONS SHALL BE COORDINATED WITH THE OWNER AND GENERAL CONTRACTOR'S PROJECT MANAGER, AND APPROVED PRIOR TO WORK BEING PERFORMED.
8. EC SHALL BE RESPONSIBLE FOR ORIGIN AND DISPOSAL OF DEMOLISHED ELECTRICAL SYSTEMS INCLUDING ALL ASSOCIATED MATERIALS.
9. EXISTING FIXTURES TO BE RELOCATED SHALL BE CLEANED, PREPARED WITH REPLACEMENT BALLASTS AND NEW LAMPS (IF FLUORESCENT), AND TESTED FOR CORRECT OPERATION PRIOR TO REINSTALLATION.
10. EC SHALL BE RESPONSIBLE FOR INSTALLATION AND REMOVAL OF TEMPORARY EXIT AND EGRESS LIGHTING FIXTURES AS REQUIRED TO PROVIDE SAFE AND COMPLIANT LIGHTING OPERATING CONDITIONS DURING CONSTRUCTION.

E001	ABBREVIATIONS, SYMBOLS & NOTES
E101	DEMOLITION PLAN
E102	DEMOLITION PLAN
E201	LIGHTING PLAN
E211	POWER AND SYSTEMS PLAN
E301	PANEL SCHEDULES
E801	ELECTRICAL SCHEDULES
E802	ELECTRICAL SCHEDULES



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[illegible]

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DWG By. EGP	CHK'D By. TJM

SHEET TITLE

ABBREVIATIONS

SYMBOLS & NOTES

PRELIMINARY DWGS.	
FINAL CONST. DWGS.	<input checked="" type="checkbox"/>
SHEET NUMBER	

E001

ELECTRICAL