

4. MEP SPECIFICATIONS SHALL APPLY TO ALL WORK SHOWN ON THIS DRAWING UNLESS OTHERWISE NOTED.
2. REFER TO THE ARCHITECTURAL REFLECTED CEILING PLAN FOR THE EXACT LOCATION OF ALL LIGHTING FIXTURES.
3. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF ALL JUNCTION BOXES IN THE JUNCTION BOX GRID AND AVAILABILITY OF ALL CIRCUITS INDICATED TO BE USED.
4. CONTRACTOR SHALL FIELD VERIFY LOCATIONS OF ALL EXISTING EQUIPMENT PRIOR TO CONSTRUCTION. PROVIDE CIRCUIT TRACING AS REQUIRED TO DETERMINE CIRCUIT AVAILABILITY. PROVIDE A WRITTEN REPORT TO ENGINEER AND BUILDING MANAGEMENT SHOWING LIGHTING LOCATIONS AND CIRCUIT NUMBER USED.
5. ALL UNUSED WIRING IS TO BE REMOVED BACK TO SOURCE UNLESS NOTED OTHERWISE.
6. CONNECT NEW FIRE ALARM DEVICES TO THE BASE BUILDING FIRE ALARM SYSTEM AS REQUIRED. EXISTING DEVICES ARE INDICATED BY THE LETTER "E" ADJACENT TO THE DEVICE SYMBOL. THE BASE BUILDING FIRE ALARM SYSTEM SEQUENCES OF OPERATION SHALL COMPLY WITH THE CITY OF HOUSTON BUILDING CODE. ALARM INITIATION BY SMOKE DETECTOR, HEAT DETECTOR, PULL STATIONS, OR BY OTHER ALARM INITIATING DEVICES SHALL CAUSE AUDIBLE AND VISIBLE ALARM SIGNALS TO OCCUR ON THE FLOOR OF INCIDENCE, THE FLOOR ABOVE AND THE FLOOR BELOW. ELEVATORS SHALL RETURN TO THEIR DESIGNATED FLOORS AND ELECTRICALLY LOCKED EGRESS DOORS SHALL RELEASE, AND ALL OTHER EVENTS REQUIRED TO COMPLY WITH THE CITY OF HOUSTON BUILDING CODE SHALL OCCUR. PROVIDE ADDITIONAL ZONING AS NEEDED TO COMPLETE THE FIRE ALARM INSTALLATION AND TO MEET REQUIRED SEQUENCES OF OPERATION.
7. EGRESS AND EXIT LIGHT FIXTURES SHALL BE CONNECTED TO UNSWITCHED HOT CONDUCTOR WITH 2#10,1/2" C.
8. ALL FIRE ALARM DEVICES SHALL MATCH EXISTING.
9. CONTRACTOR SHALL REFER TO BUILDING MANAGEMENT'S "RULES AND REGULATIONS" TO COMPLY WITH BUILDING STANDARDS.
10. LIGHTING FIXTURES SHALL BE PROTECTED TO COMPLY WITH THE EXISTING BUILDING FLOOR/CEILING FIRE RATED ASSEMBLY.
11. FOR RETURN AIR PLENUMS, ALL MATERIALS LOCATED WITHIN A RETURN AIR PLENUM SHALL BE RATED AND APPROVED FOR INSTALLATION IN A RETURN AIR PLENUM.

1. MEP SPECIFICATIONS SHALL APPLY TO ALL WORK ON THIS DRAWING UNLESS OTHERWISE NOTED.
2. REFER TO ARCHITECT FOR EXACT HEIGHT AND LOCATION OF ALL FLOOR AND WALL OUTLETS.
3. ALL DATA/TELEPHONE OUTLETS SHALL BE PROVIDED WITH PULL STRINGS.
4. CONTRACTOR SHALL LOCATE ALL ELECTRICAL & TELEPHONE OUTLETS WITHIN THE LIMITS OF THE TENANT FURNITURE PLAN PROVIDED BY THE ARCHITECT. CONTRACTOR SHALL MARK INTENDED LOCATION OF ALL OUTLETS PRIOR TO INSTALLATION, THEN SHALL NOTIFY TENANT FOR APPROVAL BEFORE PROCEEDING.
5. CONTRACTOR SHALL PROVIDE NEW CIRCUIT DIRECTORY CARD AT PANELS. CIRCUITS SHALL BE LABELED TO CORRESPOND TO THE CIRCUITS SHOWN ON THE DRAWINGS. CONTRACTOR SHALL CONNECT CIRCUITS AS REQUIRED TO COMPLY WITH THIS DRAWING.
6. CONDUCTORS SHALL BE #12 AWG SOLID COPPER (THWN) IN 1/2" CONDUIT UNLESS OTHERWISE INDICATED.
7. ALL OUTLETS TO BE MOUNTED VERTICALLY UNLESS OTHERWISE INDICATED.
8. CONTRACTOR SHALL PROVIDE ONE PULL STRING FOR EACH VOICE OR DATA OUTLET SHOWN. WHEN VOICE AND DATA OUTLETS ARE SHOWN ADJACENT, CONTRACTOR SHALL PROVIDE ONE PULL STRING (WITH ONE WALL PENETRATION) FOR THE PAIR, UNLESS NOTED OTHERWISE. VOICE AND DATA LINES SHALL BE PULLED BY OTHERS.
9. CONTRACTOR SHALL REFER TO BUILDING MANAGEMENT'S "RULES AND REGULATIONS" TO COMPLY WITH BUILDING STANDARDS.
10. GANG TOGETHER, ALL NEW ELECTRICAL, TELEPHONE AND COMPUTER OUTLETS SHOWN ADJACENT TO EACH OTHER.
11. VERIFY FINAL LOCATIONS FOR ROUGH-INS WITH FIELD MEASUREMENTS AND WITH THE REQUIREMENTS OF THE ACTUAL EQUIPMENT TO BE CONNECTED.
12. COORDINATE THE INSTALLATION OF ELECTRICAL MATERIALS AND EQUIPMENT ABOVE CEILINGS WITH SUSPENSION SYSTEM, MECHANICAL EQUIPMENT AND SYSTEMS, AND STRUCTURAL COMPONENTS. COORDINATE ELECTRICAL EQUIPMENT AND MATERIALS INSTALLATION WITH OTHER BUILDING COMPONENTS.
13. VERIFY MECHANICAL EQUIPMENT SWITCH AND CONNECTION REQUIREMENTS, ITEM BY ITEM, WITH THE MECHANICAL CONTRACTOR, BEFORE WIRING EQUIPMENT. RESOLVE ALL DISCREPANCIES WITHOUT FURTHER COST TO OWNER.
14. FOR RETURN AIR PLENUMS, ALL MATERIALS LOCATED WITHIN A RETURN AIR PLENUM SHALL BE RATED AND APPROVED FOR INSTALLATION IN A RETURN AIR PLENUM.

1. INTERIOR LIGHTS CONTROLLED BY MOTION SENSORS AS SHOWN, U.O.N..
2. TIMECLOCK TO BE INTERMATIC ET2145C WITH FOUR INDEPENDENT OUTPUTS AND HOLIDAY FUNCTION.
TIME CLOCK FEATURES:
A. 365-DAY PROGRAMMABLE CLOCK WITH 48 ON/48 OFF FEATURES.
B. AUTOMATIC DAYLIGHT SAVING TIME (DST) ON/OFF ADJUSTMENT.
C. NON-VOLATILE EEPROM MEMORY FOR LIFETIME PROGRAMMING PROTECTION.
D. 100-HOUR SUPERCAPACITOR ELIMINATES BATTERY DEPENDENCY.
E. 50 HOLIDAY BLOCKS WITH SCHEDULES.
3. PROVIDE INTERMATIC MODEL #E235W 2-HOUR ELECTRONIC COUNTERDOWN TIMER SWITCH IN PARALLEL CONNECTION FOR OVERRIDE WHERE NOTED.
4. CIRCUITS TO BE CONTROLLED BY TIMECLOCK OUTPUT WITH 2-HOUR TIMED OVERRIDE SWITCH:

1. ALL ITEMS SHOWN WITH HATCHED LINES INDICATE ITEMS TO BE DEMOLISHED. COORDINATE DEMOLITION WITH ALL TRADES.
2. LIGHTING FIXTURES INDICATED FOR DEMOLITION SHALL REMAIN PROPERTY OF THE BUILDING, U.O.N. REMOVE, PRESERVE, AND STORE THESE LIGHT FIXTURES ON SITE AS DIRECTED BY THE BUILDING OWNER.
3. LOCATION OF EXISTING EQUIPMENT, CONDUITS, OUTLETS, DEVICES, CONTROLS AND ALL CONCEALED WORKS, ETC. ARE APPROXIMATE.
4. NOT ALL CIRCUITS AND DEVICES ARE INDICATED. FOR EACH DEVICE INDICATED FOR DEMOLITION THERE IS A CIRCUIT OR FEEDER BACK TO THE POINT OF ORIGIN. ALL CIRCUITS AND DEVICES SHALL BE DEMOLISHED UNLESS NOTED OTHERWISE. RETAIN AND PROTECT LIGHTING AND RECEPTACLE BRANCH CIRCUITS FOR USE IN THE NEW WORK. BRANCH CIRCUITS FOR LIGHTING AND RECEPTACLES NOT USED IN THE NEW WORK SHALL BE REMOVED BACK TO SOURCE. RETAIN AND PROTECT FIRE ALARM DEVICE FOR REUSE IN THE NEW WORK.
5. EXISTING PIPING AND OR CONDUIT RUN CONCEALED IN FLOOR SLAB AND NOT INDICATED OR REQUIRED TO BE REUSED IN THE NEW WORK SHALL BE ABANDONED UNLESS NOTED OTHERWISE. CUT PIPING AND/CONDUIT AT FLOOR. ALL REPAIRS SHALL BE BY TRADES SKILLED IN FINISH WORK. MODIFY EXISTING OPENINGS TO BE REUSED IN THE NEW WORK BY SAW CUTTING OR CORING.
6. REMOVE ALL ACCESSIBLE ABANDONED WIRING OF ALL TYPES, OR CAP AND LABEL IN JUNCTION BOX FOR RE-USE IN COMPLIANCE WITH THE NATIONAL ELECTRICAL CODE.
7. MAINTAIN AND RESTORE IF INTERRUPTED, ALL CONDUITS AND CIRCUITS PASSING THROUGH RENOVATED AREAS AND SERVICING UNDISTURBED AREAS.
8. ALL OPENINGS AND SURFACES MADE BARE BY DEMOLITION AND/OR REMOVAL OF OUTLETS, EQUIPMENT, CONTROLS, ETC., SHALL BE REPAIRED OR PATCHED TO MATCH ADJACENT FINISH. ALL REPAIRS AND NEW FINISH SHALL BE BY TRADES SKILLED IN FINISH WORK.
9. ALL OPENINGS IN RATED CONSTRUCTION NOT USED IN THE NEW WORK SHALL BE CLOSED WITH FIRE RATED MATERIAL TO MATCH ADJACENT FINISH AND NEW CONSTRUCTION. MODIFY EXISTING OPENINGS TO BE REUSED IN THE NEW WORK BY SAW CUTTING.
10. ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE NATIONAL ELECTRICAL SAFETY CODE (ANSI/IEEE C-2) AND THE NATIONAL ELECTRICAL CODE (NFPA 70).

SYMBOL	DESCRIPTION
FCA - XXXXXA FOLT - XXXXXA MIN I.G. - XXXXXA	FLOOR CIRCULAR AREA FLOOR OVAL AREA MINIMUM INSULATION GRADE
	CONDUIT RUN CONCEALED IN WALLS OR ABOVE CEILING. ARROW INDICATES HOMERUN TO PANEL. CONDUCTOR DESIGNATIONS ARE AS FOLLOWS: LONG HATCH INDICATES NEUTRAL, SHORT HATCH INDICATES PHASE, " " INDICATES INSULATED OR ISOLATED GROUND, " " INDICATES SWITCHLEG, AND NO HATCHES INDICATES TWO CONDUCTORS.
	PARTIAL HOME RUN. SAME AS ABOVE.
	CONDUIT RUN CONCEALED IN FLOOR SLAB, BELOW FLOOR SLAB OR BELOW GRADE. WIRING SAME AS ABOVE.
	DUPLEX RECEPTACLE OUTLET; 20 AMP, 125V., 3 WIRE, GROUNDING TYPE.
	QUADRIplex RECEPTACLE OUTLET GANGED WITH A COMMON WALL PLATE; (2)-20 AMP, 125V, 3 WIRE, GROUNDING TYPE.
	DUPLEX RECEPTACLE OUTLET WITH GROUND FAULT INTERRUPTER; 20 AMP, 125V., 3 WIRE GROUNDING TYPE.
	JUNCTION BOX MOUNTED ABOVE ACCESSIBLE CEILING.
	JUNCTION BOX
	DISCONNECT IN A NEMA 1 ENCLOSURE, UNLESS OTHERWISE SPECIFIED. REFER TO DRAWINGS FOR AMPERAGE, PHASES, & FUSE SIZE. (IF REQUIRED)
	MOTOR STARTER / DISCONNECT IN A NEMA 1 ENCLOSURE, UNLESS OTHERWISE SPECIFIED. REFER TO DRAWINGS FOR AMPERAGE, PHASES, FUSE SIZE (IF REQUIRED), AND SIZE.
	TRANSFORMER - REFER TO DRAWINGS FOR VOLTAGE AND AMPERAGE.
	SURFACE PANELBOARD W/ NEC CLEARANCES; 120/208 VOLT.
	SURFACE PANELBOARD W/ NEC CLEARANCES; 277/480 VOLT.

SYMBOL	DESCRIPTION
	A SINGLE LEADER CORRESPONDS TO A SINGLE SWITCH FOR THAT LIGHTING CIRCUIT. THE SWITCH WILL HAVE A CORRESPONDING AND MATCHING DESIGNATION LETTER IF THERE ARE OTHER SWITCHES IN THE SAME ROOM.
	MULTIPLE LEADERS CORRESPOND TO MULTIPLE SWITCHES FOR THAT LIGHTING CIRCUIT. THE QUANTITY OF LEADERS CORRESPONDS TO THE QUANTITY OF SWITCHES THAT CONTROL THAT CIRCUIT. THE SWITCHES WILL HAVE A CORRESPONDING AND MATCHING DESIGNATION LETTER.

MARK	CONTROL DESCRIPTION	CONTROL DEVICES	SEQUENCE OF OPERATION
1	VACANCY SENSING SPLIT-CIRCUIT CONTROLLED	16352-1PX (20A, 125V, SPLIT-CIRCUIT MARKED CONTROLLED DUPLEX RECEPTACLE) RMJS-20R-DV-B (RECEPTACLE CONTROL POWER PACK WITH WIRELESS RECEIVER)	TOP HALF OF ALL RECEPTACLES IN THIS ROOM ARE TO BE AUTO-ON/AUTO-OFF CONTROLLED BY THE RECEPTACLE CONTROL POWER PACK RECEIVING INPUTS FROM THE LIGHTING CONTROL SENSOR IN THE ROOM, REFER TO LIGHTING PLAN. BOTTOM HALF TO REMAIN UNSWITCHED. PC/DEDICATED/EQUIPMENT POWER SHALL REMAIN UNSWITCHED.
3A	VACANCY SENSING QUADRAPLEX PC RECEPTACLES FULLY CONTROLLED	16352-2PX (20A, 125V, MARKED CONTROLLED DUPLEX RECEPTACLE) RMJS-20R-DV-B (RECEPTACLE CONTROL POWER PACK WITH WIRELESS RECEIVER)	ALL GENERAL PURPOSE RECEPTACLES IN THIS ROOM ARE TO BE AUTO-ON/AUTO-OFF CONTROLLED BY THE RECEPTACLE CONTROL POWER PACK RECEIVING INPUTS FROM THE LIGHTING CONTROL SENSOR IN THE ROOM, REFER TO LIGHTING PLAN. DESIGNATED PC RECEPTACLE TO REMAIN ENTIRELY UNSWITCHED.

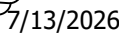
MARK	CONTROL DESCRIPTION	CONTROL DEVICES	SEQUENCE OF OPERATION
1	WALL MOUNTED VACANCY SENSING	MS-B102 (DUAL-TECHNOLOGY WALL VACANCY SENSOR)	LIGHT FIXTURES IN THIS ROOM ARE TO BE MANUAL-ON/ AUTO-OFF CONTROLLED BY THE WALL MOUNTED VACANCY SENSOR SWITCH.
1C	WALL MOUNTED OCCUPANCY SENSING	MS-B102 (DUAL-TECHNOLOGY WALL OCCUPANCY SENSOR)	LIGHT FIXTURES IN THIS ROOM ARE TO BE AUTO-ON/ AUTO-OFF CONTROLLED BY THE WALL MOUNTED OCCUPANCY SENSOR SWITCH.
2B	CEILING MOUNTED VACANCY SENSING	PJ2-2B-GXX-L01 (WIRELESS REMOTE SWITCH) LRF2-QCR2B-P (WIRELESS CEILING VACANCY SENSOR) RMJS-16R-DV-B (RELAY POWER PACK WITH WIRELESS RECEIVER)	LIGHT FIXTURES IN THIS ROOM ARE TO BE MANUAL-ON/ AUTO-OFF CONTROLLED BY THE RELAY POWER PACK WITH WIRELESS RECEIVER; RECEIVING INPUTS FROM THE WIRELESS CEILING MOUNTED VACANCY SENSOR & THE WIRELESS REMOTE SWITCH.
2C	CEILING MOUNTED OCCUPANCY SENSING	PJ2-2B-GXX-L01 (WIRELESS REMOTE SWITCH) LRF2-QCR2B-P (WIRELESS CEILING OCCUPANCY SENSOR) RMJS-16R-DV-B (RELAY POWER PACK WITH WIRELESS RECEIVER)	LIGHT FIXTURES IN THIS ROOM ARE TO BE AUTO-ON/ AUTO-OFF CONTROLLED BY THE RELAY POWER PACK WITH WIRELESS RECEIVER; RECEIVING INPUTS FROM THE WIRELESS CEILING MOUNTED OCCUPANCY SENSOR & THE WIRELESS REMOTE SWITCH.
4B	CEILING MOUNTED VACANCY SENSING WITH DIMMING	PJ2-2BRL-GXX-L01 (WIRELESS REMOTE SWITCH WITH DIMMING) LRF2-QCR2B-P (WIRELESS CEILING VACANCY SENSOR) RMJS-8T-DV-B (0-10V DIMMING POWER PACK WITH WIRELESS RECEIVER)	LIGHT FIXTURES IN THIS ROOM ARE TO BE MANUAL-ON/ AUTO-OFF CONTROLLED BY THE DIMMING POWER PACK WITH WIRELESS RECEIVER; RECEIVING INPUTS FROM THE WIRELESS CEILING MOUNTED VACANCY SENSOR & THE WIRELESS DIMMING REMOTE SWITCH.

LABEL	MANUFACTURER + SPECIFICATION	MOUNTING	LAMP (NO./TYPE)	VOLTS	REMARKS
A	HE WILLIAMS FT-24-LS/8CS-AF-QS-DIM-UNV	RECESSED	LED (48 WATT MAX.)	277	CENTER BASKET LED 2'X4' LIGHT FIXTURE. 0-10V. DIMMABLE.
AE	SAME ABOVE WITH 90-MINUTE BATTERY PACK	RECESSED	LED (48 WATT MAX.)	277	SAME AS ABOVE WITH 90-MINUTE BATTERY PACK
D1	HE WILLIAMS 4DR-TL-L20/835-DIM1-UNV-OW-OF-CS-N-F1	RECESSED	LED (28 WATT MAX.)	277	4" ROUND DOWNLIGHT
D1E	SAME ABOVE WITH 90-MINUTE BATTERY PACK	RECESSED	LED (28 WATT MAX.)	277	SAME AS ABOVE WITH 10W. 90-MINUTE BATTERY PACK
T	LEDI V5-SPEC-15-35-CUSTOM/DR-96W-24V-DIMALL	SURFACE	LED (1.5W./FT)	277	LED DECORATIVE TAPE LIGHT
UC	HE WILLIAMS 1SF-4-L24/835-DMA-DRV-UNV	SURFACE	LED (21W.)	277	4' UC CABINET LIGHT FIXTURE, LED
X	HE WILLIAMS EXIT/EL-DFR-MP-AN-EM-D	SURFACE	LED (<5W.)	277	PROVIDE WITH 90-MINUTE BATTERY BACK. MATCH DIRECTIONAL ARROWS AS NOTED ON PLANS.
EM1	T.B.D.	SURFACE	LED (<5W.)	277	EMERGENCY EGRESS LIGHT WITH 90-MINUTE BATTERY PACK. NORMALLY OFF.
EM2	T.B.D.	SURFACE	LED (<5W.)	277	WET LISTED EMERGENCY EGRESS LIGHT WITH 90-MINUTE BATTERY PACK. NORMALLY OFF.

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ISSUED FOR CLIENT APPROVAL	DATE 06/24/2026
ISSUED FOR BIDDING	06/24/2026
ISSUED FOR PERMIT	06/24/2026
ISSUED FOR CONSTRUCTION	07/13/2026

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SHEET NO.

DESIGN TEAM
P.M.:
MECHANICAL:
ELECTRICAL:
PLUMBING:
CHECKED-BY:

E-1.00