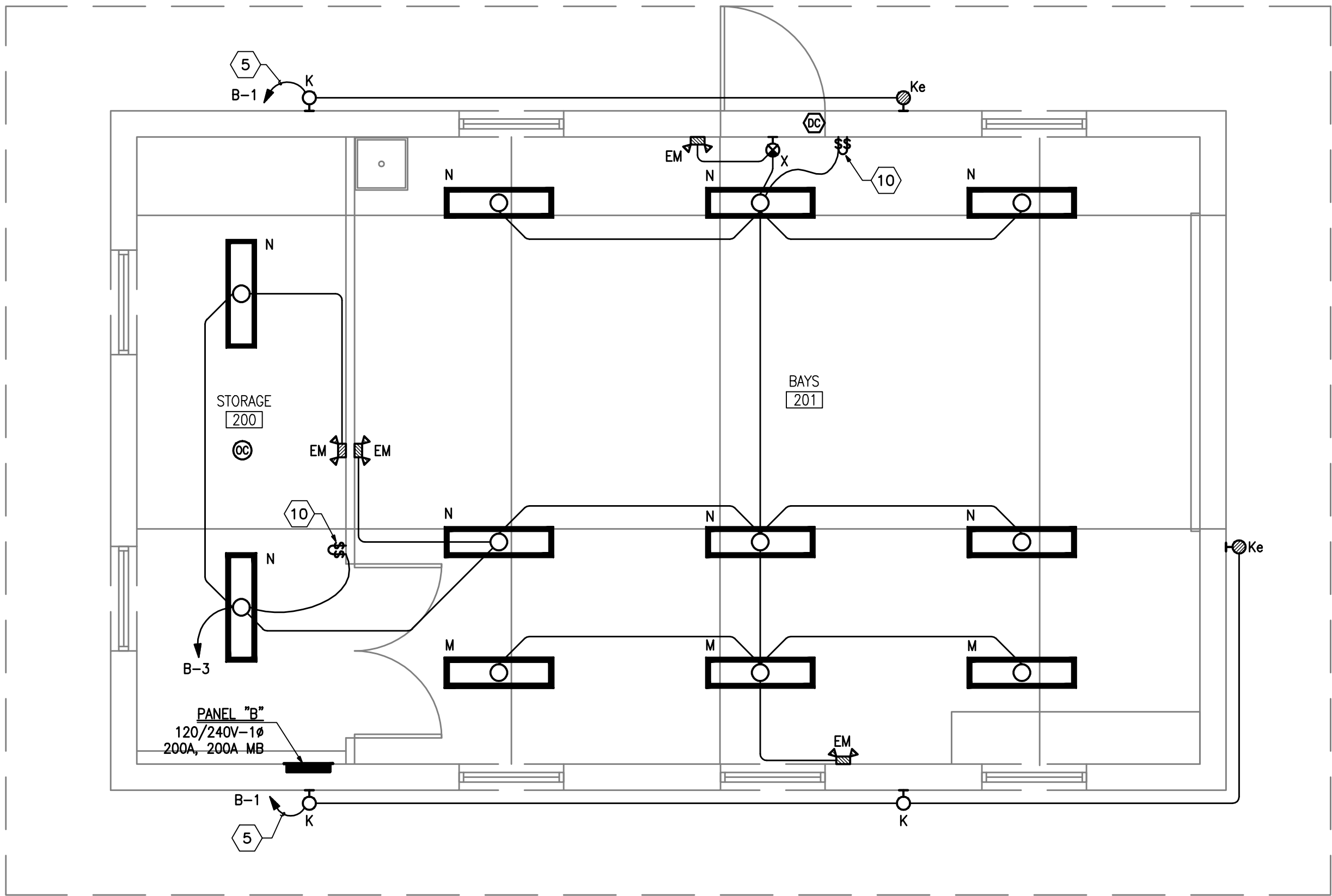
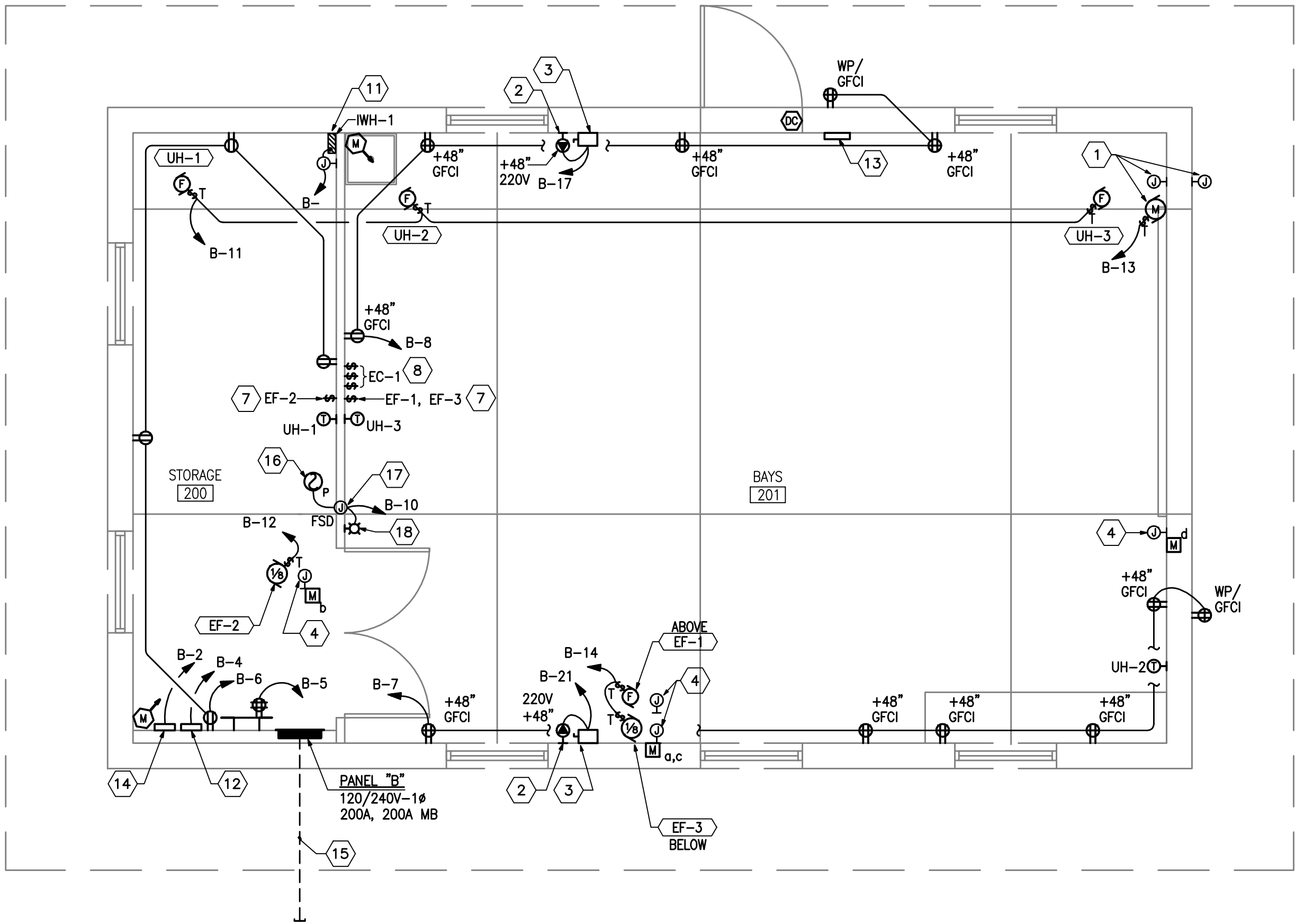


three inches = one foot
one and one half inches = one foot
one inch = one foot
three quarters inch = one foot
one half inch = one foot
three eighths inch = one foot
one eighth inch = one foot
one sixteenth inch = one foot



F1 STORAGE BUILDING LIGHTING PLAN

SCALE: 1/4" = 1'-0"



F2 STORAGE BUILDING POWER & SPECIAL SYSTEMS PLAN

SCALE: 1/4" = 1'-0"

LIGHTING COMPLIANCE - 2006 IECC

INTERIOR LIGHTING	EXTERIOR LIGHTING
BUILDING TYPE: AUTOMOTIVE/WAREHOUSE	TRADABLE WATTS ALLOWED: N/A
SQUARE FOOTAGE: 1109	ACTUAL TRADABLE WATTS: N/A
TOTAL WATTS ALLOWED: 974	NONTRADABLE WATTS ALLOWED: 557
ACTUAL WATTS: 911	ACTUAL NONTRADABLE WATTS: 225

THIS PROJECT IS IN COMPLIANCE WITH 2006 IECC

EXCEPT FOR SIGNAGE, SAFETY OR SECURITY LIGHTING, AND LOW-VOLTAGE LANDSCAPE LIGHTING; ALL EXTERIOR LUMINAIRES THAT OPERATE ABOVE 100 WATTS HAVE A MINIMUM EFFICACY OF 60 LUMENS PER WATT.

INDEPENDENT CONTROL AND UNIFORM LIGHT REDUCTION CAPABILITY REQUIREMENTS ARE MET CONSIDERING EXCEPTIONS.

AUTOMATIC SHUTOFF CONTROLS ARE PROVIDED IN BUILDINGS LARGER THAN 5,000 SQ. FT.; OR OCCUPANCY SENSOR IS PROVIDED IN EACH OF THOSE SPACES.

EXTERIOR LIGHTING HAS AUTOMATIC CONTROLS CONTROLLED BY A PHOTOSENSOR OR ASTRONOMICAL TIME SWITCH TO TURN LIGHTING OFF WHEN SUFFICIENT DAYLIGHT IS AVAILABLE OR WHEN LIGHTING IS NOT REQUIRED.

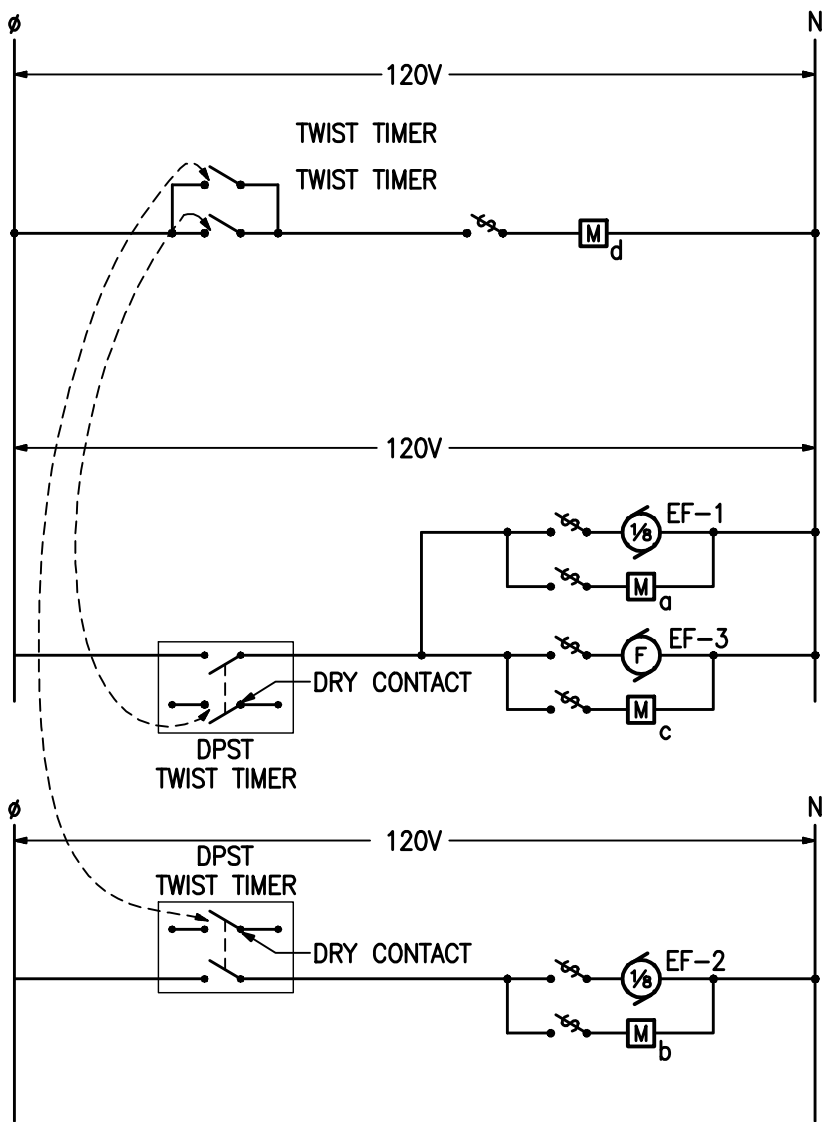
FLUORESCENT AND HID LAMPS ARE PROVIDED WITH ELECTRONIC BALLASTS.

GENERAL SHEET NOTES

- BAYS 201:
- CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS OF NEC ARTICLE 511.
 - THE BAYS SHALL BE CONSIDERED A MINOR REPAIR GARAGE AS DEFINED BY NEC 511.2. THEREFORE, THE GARAGE AREA SHALL CONFORM TO NEC 511.3(D).
 - LIGHTER-THAN-AIR GASEOUS FUEL WILL NOT BE UTILIZED.
 - AREA FROM FLOOR TO 18" ABOVE FLOOR SHALL BE CONSIDERED CLASS I, DIVISION 2 LOCATION.
 - ALL OUTLETS AND DEVICES SHALL BE MOUNTED 48" A.F.F. MINIMUM U.N.O.
 - PROVIDE SEAL-OFFS ON ALL CONDUITS THAT PENETRATE THE FLOOR OF BAY AREA OR ROUTED THROUGH AREA FROM FLOOR TO 18" ABOVE FLOOR.

KEYED NOTES

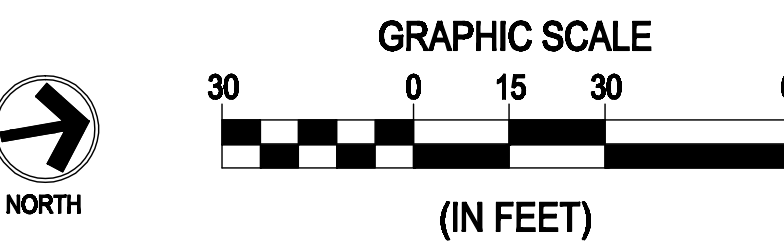
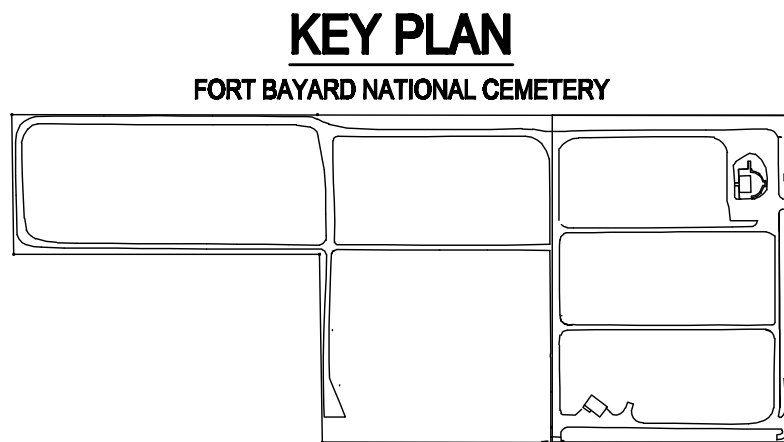
- MOTORIZED ROLLUP DOORS. EXTEND 3/4" CONDUIT WITH PULLCORD TO JUNCTION BOX AT 48" FROM MOTOR FOR ROLLUP DOOR CONTROLS. FOR PROVIDE AND INSTALL THERMAL SWITCH ON MOTOR AS REQUIRED.
- 220V RECEPTACLES FOR WELDERS. COORDINATE AND VERIFY FINAL LOCATION WITH OWNER/ARCHITECT PRIOR TO INSTALLATION.
- 240V-60A-2P HEAVY-DUTY, FUSIBLE DISCONNECT SWITCH WITH GROUND AND SOLID NEUTRAL. FUSE AS RECOMMENDED BY UNIT MANUFACTURER.
- JUNCTION BOX FOR CONNECTION OF MOTORIZED DAMPER.
- EXTEND CIRCUIT THROUGH ASTRONOMICAL TIMECLOCK AND THEN THROUGH CIRCUIT INDICATED. USE #10 CONDUCTORS THROUGHOUT.
- 240V-30A-3P WEATHERPROOF, HEAVY-DUTY FUSIBLE DISCONNECT SWITCH WITH GROUND AND SOLID NEUTRAL. FUSE AS RECOMMENDED BY UNIT MANUFACTURER.
- 4-HOUR TWIST-TIMER TO CONTROL EXHAUST FANS AS INDICATED ON PLANS. REFER TO EVAPORATIVE COOLER/EXHAUST FAN CONTROL DIAGRAM FOR ADDITIONAL INFORMATION.
- EVAPORATIVE COOLER CONTROL SWITCHES, 3 SWITCHES TOTAL. ONE SWITCH SHALL BE ON/OFF SWITCH, ON SWITCH SHALL CONTROL HI-LO SPEEDS OF FAN, AND ONE SWITCH SHALL CONTROL ON/OFF FOR WATER RECIRCULATING PUMP. REFER TO EVAPORATIVE COOLER/EXHAUST FAN CONTROL DIAGRAM FOR ADDITIONAL INFORMATION.
- NOT USED.
- TWO SWITCHES FOR DUAL LEVEL LIGHTING. ONE SWITCH SHALL CONTROL THE ONE LAMP, AND THE OTHER SWITCH SHALL CONTROL THE REMAINING LAMPS.
- JUNCTION BOX FOR CONNECTION OF INSTANTANEOUS WATER HEATER. EXTEND 3/10 AND 1/10 GROUND TO A 25A/2P CIRCUIT BREAKER IN PANEL "B". REFER TO PLUMBING PLANS FOR EXACT LOCATIONS. CONTRACTOR SHALL MAKE ALL FINAL ELECTRICAL CONNECTIONS TO EQUIPMENT.
- ASTRONOMICAL TIMECLOCK SIMILAR TO TORK #TZ-220L OR APPROVED EQUAL.
- SECURITY SYSTEM KEYPAD. REFER TO ELECTRICAL SPECIFICATIONS FOR ADDITIONAL INFORMATION.
- SECURITY PANEL. REFER TO ELECTRICAL SPECIFICATIONS FOR ADDITIONAL INFORMATION.
- STUB OUT 3" CONDUIT 5'-0" FROM PANELBOARD "B" FOR FUTURE CONNECTION. REFER TO ELECTRICAL SITEPLANS FOR ADDITIONAL INFORMATION.
- 120V SMOKE DETECTOR WITH BATTERY BACKUP. INTERLOCK SMOKE DETECTOR WITH FIRE/SMOKE DAMPER TO CLOSE WHEN SMOKE IS DETECTED. PROVIDE DRY-CONTACTS AND CONTROL WIRING AS REQUIRED FOR CONNECTION.
- JUNCTION BOX FOR FIRE/SMOKE DAMPER.
- PROVIDE AND INSTALL A REMOTE INDICATOR LIGHT WITH LABEL, WALL MOUNTED, FOR FIRE/SMOKE DAMPER. MOUNT REMOTE INDICATOR LIGHT 48" A.F.F. CONNECT REMOTE INDICATOR TO MOTORIZED DAMPER. REMOTE INDICATOR LIGHT SHALL ILLUMINATE WHEN FIRE/SMOKE DAMPER IS CLOSED. EXTEND 3/4" CONDUIT WITH CONTROL CONDUCTORS TO MOTORIZED DAMPER AS REQUIRED. COORDINATE REMOTE INDICATOR LIGHT LOCATION WITH OWNER PRIOR TO ROUGH-IN.



EXHAUST FAN CONTROL DIAGRAM

SCALE: NONE

- MOTORIZED DAMPER
- MOTOR/PUMP
- RELAY
- SWITCH
- THERMAL OVERLOAD SWITCH
- CONTACTOR



100% CONSTRUCTION DRAWINGS

SUB-CONSULTANTS 210 La Veta NE, Albuquerque, NM 87108 505.269.2266 FAX 505.265.9637 JLLW@MILLWILKIN.COM		 220 300 PARKWAY, SUITE 200, NEW YORK, NY 10022 212.761.1111		 200 K STREET, SUITE 300 WASHINGTON, DC 20006 TELEPHONE: (202)872-0277 FAX: (202)872-0282		PRIME CONSULTANT 2020 K STREET, SUITE 300 WASHINGTON, DC 20006 TELEPHONE: (202)872-0277 FAX: (202)872-0282		Drawing Title STORAGE BUILDING ELECTRICAL LIGHTING, POWER AND SPECIAL SYSTEMS PLAN Approved: Director Office of Construction Management		Project Title CEMETERY IMPROVEMENTS AND NEW MAINTENANCE BUILDING Location FORT BAYARD, NEW MEXICO Date NOVEMBER 18, 2011 Checked DDR Drawn TFR		Project Number 885CM3007 Building Number BLDG #2 Drawing Number E-111 Dwg. 110 of 120		NATIONAL CEMETERY ADMINISTRATION OFFICE OF DESIGN AND CONSTRUCTION 	
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