

ELECTRICAL SYMBOLS LEGEND

SYMBOL	DESCRIPTION
[Symbol]	LIGHT FIXTURE (WALL MOUNTED/CEILING MOUNTED)
[Symbol]	LIGHT FIXTURE
[Symbol]	LIGHT FIXTURE, NIGHT LIGHT
[Symbol]	VOLUMETRIC LIGHT FIXTURE
[Symbol]	TRACK LIGHTING
[Symbol]	EXIT FIXTURE (WALL MOUNTED/CEILING MOUNTED)
[Symbol]	EMERGENCY LIGHT (WALL MOUNTED/CEILING MOUNTED)
[Symbol]	EMERGENCY LIGHT REMOTE HEADS (WALL MOUNTED/CEILING MOUNTED)
[Symbol]	SINGLE POLE SWITCH
[Symbol]	3-WAY SWITCH
[Symbol]	4-WAY SWITCH
[Symbol]	KEYED SWITCH
[Symbol]	DIMMER SWITCH
[Symbol]	VARIABLE SPEED SWITCH
[Symbol]	MANUAL MOTOR SWITCH
[Symbol]	SINGLE POLE OCCUPANCY SENSOR SWITCH
[Symbol]	DOUBLE POLE OCCUPANCY SENSOR SWITCH
[Symbol]	CEILING MOUNTED OCCUPANCY SENSOR SWITCH
[Symbol]	RECEPTACLE, DUPLEX
[Symbol]	RECEPTACLE, DUPLEX, CEILING
[Symbol]	RECEPTACLE, DUPLEX, MOUNTED HORIZONTALLY
[Symbol]	RECEPTACLE, GFI
[Symbol]	RECEPTACLE, DUPLEX FLUSH FLOOR
[Symbol]	RECEPTACLE, DUPLEX ISOLATED GROUND FLUSH FLOOR
[Symbol]	RECEPTACLE, DOUBLE DUPLEX
[Symbol]	RECEPTACLE, DUPLEX ISOLATED GROUND
[Symbol]	RECEPTACLE, DOUBLE DUPLEX, ISOLATED GROUND
[Symbol]	RECEPTACLE, SIMPLEX TWIST LOCK, LS-15R, UNO
[Symbol]	RECEPTACLE, SIMPLEX TWIST LOCK, ISOLATED GROUND, LS-15R, UNO
[Symbol]	RECEPTACLE, DUPLEX TWIST LOCK, LS-15R, UNO
[Symbol]	RECEPTACLE, DUPLEX TWIST LOCK, ISOLATED GROUND, LS-15R, UNO
[Symbol]	RECEPTACLE, SPECIAL
[Symbol]	RECEPTACLE, SIMPLEX
[Symbol]	RECEPTACLE, PLUG-MOLD
[Symbol]	JUNCTION BOX (WALL MOUNTED/CEILING MOUNTED)
[Symbol]	THERMOSTAT (WALL MOUNTED/CEILING MOUNTED)
[Symbol]	ALARM JUNCTION BOX (WALL MOUNTED/CEILING MOUNTED)
[Symbol]	ALARM JUNCTION BOX FOR REMOTE TEST/RESET (WALL MOUNTED/CEILING MOUNTED)
[Symbol]	NON-FUSED DISCONNECT
[Symbol]	FUSED DISCONNECT
[Symbol]	EQUIPMENT CONNECTION POINT (PROVIDED WITH EQUIPMENT)
[Symbol]	CIRCUIT, CONCEALED IN WALLS OR CEILING, E INDICATES EXISTING WIRING
[Symbol]	CIRCUIT, CONCEALED IN SLAB FLOOR, E INDICATES EXISTING WIRING
[Symbol]	CIRCUIT, EXPOSED, E INDICATES EXISTING WIRING
[Symbol]	LOW VOLTAGE WIRING
[Symbol]	CONDUIT SLEEVE
[Symbol]	FLUSH MOUNTED PANELBOARD
[Symbol]	SURFACE MOUNTED PANELBOARD
[Symbol]	TELEPHONE / DATA BOX FOR ISD
[Symbol]	LOW VOLTAGE CABLE BOX FOR OTHER
[Symbol]	TELEPHONE, FLUSH FLOOR
[Symbol]	MOTOR
[Symbol]	TELEPOWER POLE
[Symbol]	PUSH BUTTON
[Symbol]	BUZZER
[Symbol]	SAFETY SWITCH JUNCTION BOX
[Symbol]	HORN / STROBE
[Symbol]	TIME CLOCK
ABBREVIATIONS	
A, B, C	LOWER CASE LETTERS INDICATE SWITCHING CONFIGURATION ABOVE FINISHED GRADE
AFG	CONDUIT
CCT	CIRCUIT
CF	CASH WRAP
EC	ELECTRICAL CONTRACTOR
EF	EXHAUST FAN
ETR	EXISTING TO REMAIN
EWC	ELECTRIC WATER COOLER
G	GROUND
GC	GENERAL CONTRACTOR
GFCI	GROUND FAULT EQUIPMENT PROTECTION
GFI	GROUND FAULT CIRCUIT INTERRUPTER
HD	HAND DRYER
IS	ISOLATED GROUND
NL	NIGHT LIGHT
NTS	NOT TO SCALE
REC	REFRIGERATION ELECTRICAL CONTRACTOR
RC	REFRIGERATION CONTRACTOR
RH	RADIANT HEATER
TR	TAMPER RESISTANT
TYP	TYPICAL
UH	UNIT HEATER
UN	UNLESS NOTED OTHERWISE
WH	WATER HEATER
WP	WEATHER PROOF
WR	WEATHER RESISTANT

VOICE/DATA ROUGH-IN SCHEDULE

NO.	DESCRIPTION
1	ROUGH-IN NOTES:
1	FLUSH MOUNT JUNCTION BOX AT +20" (UNO) WITH (1) 3/4" CONDUIT STUBBED 12" ABOVE LAY-IN CEILING.
2	FLUSH MOUNT JUNCTION BOX AT +20" (UNO) WITH (1) 3/4" CONDUIT ROUTED TO NEAREST ACCESSIBLE CEILING SPACE.
3	SURFACE MOUNT JUNCTION BOX AT +6" (UNO) WITH (1) 3/4" CONDUIT STUBBED TO ACCESSIBLE CEILING SPACE.
SCHEDULE GENERAL NOTES:	
1	ALL JUNCTION BOXES SHALL BE DOUBLE GANG WITH SINGLE GANG PLASTER RING UNLESS NOTED OTHERWISE ON SCHEDULE.
2	ALL JUNCTION BOXES TO BE ROUGHED IN AT SCHEDULED HEIGHT UNLESS NOTED OTHERWISE ON SCHEDULE.
3	ALL CONDUITS SHALL BE TERMINATED WITH BUSHINGS.
4	PROVIDE PULL WIRE WITH EACH EMPTY RACEWAY (JUNCTION BOX/CONDUIT) INSTALLED.
5	CONDUIT RUNS SHALL HAVE NO MORE THAN 90 DEGREES OF TRANSITION BETWEEN PULL BOXES.
6	WHERE CONDUITS TRAVERSE AREAS WITH CEILINGS OPEN TO STRUCTURE, CONDUIT(S) SHALL BE CONCEALED AS WELL AS POSSIBLE FROM VIEW FROM CUSTOMER AREA.
7	FOR CONDUIT RUNS SCHEDULED WITH 1-1/2" OR LARGER CONDUIT UTILIZE LARGE RADIUS SWEEPS AT POINTS OF TRANSITION.
8	ACCESSIBLE CEILING SPACE SHALL BE CONSIDERED 12 INCHES ABOVE A LAY-IN CEILING OR ABOVE BAR JOIST ACCESSIBLE BY A SCISSOR LIFT FOR AREAS OPEN TO STRUCTURE.

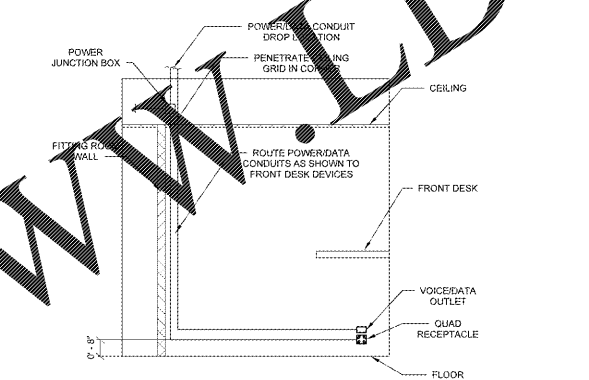
GENERAL POWER NOTES

- TELEPOWER POLE(S), MOUNT JUNCTION BOX(S); TO TOP SIDE OF BOTTOM CHORD OF BAR JOIST. INSTALL FURNISHED POWER POLE AND TERMINATE WIRING TO JUNCTION BOX. PROVIDE UNISTRUT SUPPORTS AND HARDWARE TO SECURE TELEPOWER POLE FLUSH TO BUILDING STRUCTURE. REF POWER POLE CONNECTION DETAIL.
- PROVIDE LIQUID-TIGHT FLEXIBLE METAL CONDUIT AND WIRING FROM DISCONNECT SWITCH OR JUNCTION BOX TO EQUIPMENT KNOCKOUT OR ELECTRICAL CONNECTION POINT.
- WHERE EQUIPMENT MANUFACTURE PROTECTIVE DEVICE RATING DIFFERS FROM SIZE PROVIDED, NOTIFY WALMART CONSTRUCTION MANAGER IMMEDIATELY TO COORDINATE RESOLUTION.
- ELECTRONIC FIRE PROTECTION/SECURITY ALARM BOXES AND CONDUITS SHOWN ON POWER PLANS SHALL BE PROVIDED UNDER THIS CONTRACT. IN ADDITION, UNLESS NOTED OTHERWISE, THE FOLLOWING GENERAL NOTES APPLY:
 - ALL ALARM JUNCTION BOXES SHALL BE 4"X4"X1-1/2" MINIMUM.
 - ALARM RACEWAYS SHALL BE 3/4" MINIMUM WITH PULL WIRE AND INSULATING BUSHINGS AT END OF VERTICAL RACEWAYS ONLY RUN.
 - VERTICAL RACEWAYS FROM ALARM BOXES SHALL BE EITHER CONCEALED INSIDE WALL OR SURFACE MOUNTED TO MATCH JUNCTION BOX MOUNTING. ALL VERTICAL RUNS SHALL BE TURNED 90 DEGREES AT TOP SIDE OF BOTTOM CHORD OF BAR JOIST AND EXTENDED HORIZONTALLY TO A LOCATION ACCESSIBLE BY VERTICAL FLOOR TYPE LIFT.
- UPON COMPLETION OF ELECTRICAL INSTALLATION AND PRIOR TO ENERGIZING CIRCUIT:
 - INSPECT WIRE AND CABLE FOR PHYSICAL DAMAGE.
 - PERFORM CONTINUITY TEST.
 - VERIFY PROPER WIRE CONNECTION TO THREE PHASE MOTOR DEVICES.

GENERAL NOTES

- FURNISH AND INSTALL ALL MATERIALS, EQUIPMENT AND LABOR FOR A COMPLETE INSTALLATION IN ALL RESPECTS. READY FOR INTENDED USE AND IN STRICT ACCORDANCE WITH NEC, NESC, STATE, AND LOCAL CODES, AND MANUFACTURER'S RECOMMENDATIONS. PAY ALL NECESSARY FEES AND PERMITS.
 - NO CIRCUITRY SHALL BE ALLOWED TO BE ROUTED ACROSS THE ROOF OR THE EXTERIOR SIDE OF THE EXTERIOR WALLS.
 - ALL EQUIPMENT SHALL BE UL LISTED WHERE APPLICABLE.
 - ARRANGE ALL WORK TO MINIMIZE DISRUPTIONS TO STORE OPERATIONS. COORDINATE ALL DISRUPTIONS WITH WALMART CONSTRUCTION MANAGER AND STORE MANAGER.
 - CONTRACTOR SHALL VERIFY ALL WALL FINISH THICKNESS BEFORE INSTALLING BOXES. FURNISH AND INSTALL EXTENDED BOXES OR BOX EXTENDERS WHERE APPLICABLE.
 - CONTRACTOR SHALL VERIFY THAT ALL AFFECTED PANELBOARDS HAVE CIRCUIT BREAKER KNOCKOUTS PROPERLY COVERED AND THAT ALL TRIM IS IN GOOD CONDITION, ALLOWING NO ACCESS TO LIVE PARTS.
- PROVIDE SEALS AT RACEWAY PENETRATIONS AS FOLLOWS:
 - FIRE RATED WALLS: SEAL PER SPECIFICATIONS FOR FIRE STOPPING.
 - NEUTRALIZATION AREA: SEAL PER MECHANICAL DETAIL.
 - FREESTANDING WALLS: SEAL WITH EXPANDING FDM SEALANT.
 - EXTERIOR: REFER TO ARCHITECTURAL DOCUMENTS FOR SEALING REQUIREMENTS AT EXTERIOR MOUNTED DEVICES, FIXTURES, ENCLOSURES, AND RACEWAY PENETRATIONS.
- PROVIDE A SEPARATE ELEMENT OF JUNCTION CONDUIT (SIZE AND TYPE) TO EACH POWER AND LIGHTING CIRCUIT. SIZE AND TYPE SHALL BE AS SHOWN ON PLANS. CONDUIT SHALL BE PROTECTED FROM MECHANICAL DAMAGE BY SINGLE CONDUIT RACKS PLUS THE EQUIPMENT GROUNDING CONDUCTOR.
- CONDUIT DEVICES: DEVICE MOUNTING HEIGHTS ARE FROM FINISHED FLOOR TO CENTER OF OUTLET BOX UNLESS NOTED OTHERWISE ON PLANS. COORDINATE THE STANDARD MOUNTING HEIGHTS WITH MASONRY:
 - SWITCHES +44"
 - RECEPTACLES +20"
 - VOICE/DATA +20"
- WIRING SHALL INCLUDE FINAL CONNECTION TO ALL EQUIPMENT IN CONFORMANCE WITH EQUIPMENT SUPPLIER WIRING DIAGRAMS.
- CONTRACTOR IS RESPONSIBLE FOR PROVIDING COMPLETE PANELBOARD IDENTIFICATION SCHEDULES FOR PANELBOARDS AFFECTED BY REMODEL.
- NEW OVERCURRENT PROTECTIVE DEVICES INSTALLED IN EXISTING PANELBOARDS OR DISTRIBUTION BOARDS SHALL MATCH THE TYPE AND AIC RATINGS OF EXISTING OVERCURRENT PROTECTIVE DEVICES.
- BRANCH CIRCUIT CONDUCTORS SHALL BE MINIMUM #12 AWG UNLESS NOTED OTHERWISE IN SCHEDULES. WHERE 20A BRANCH CIRCUITS HAVE #8 AND LARGER WIRE SPECIFIED, #10 AWG WIRE SHALL BE USED FOR THE FINAL CONNECTION (15-FT MAXIMUM).
- WHERE BRANCH CIRCUITS ARE GROUPED, SIZE CONDUIT AND DERATE CURRENT CARRYING CAPACITY PER NEC.
- PROVIDE UL LISTED HANDLE TIES ON ALL MULTIWIRE BRANCH CIRCUITS PER NEC REQUIREMENTS.
- SUPPORTS FROM STRUCTURE, NO ATTACHMENT OF ANY TYPE SHALL BE MADE TO BRIDGING OR JOIST WEB MEMBERS. UTILIZE ONLY THE TOP AND BOTTOM CHORDS FOR SUPPORTING THE ELECTRICAL SYSTEM INSTALLATIONS.
- DEVICES SHOWN ON COOLER/FREEZER PANELS SHALL BE SURFACE MOUNTED UNLESS NOTED OTHERWISE. SEAL DEVICES TO COOLER/FREEZER PANELS WITH SILICONE SEALANT.
- SURFACE MOUNTED CONDUIT ON COOLER/FREEZER PANELS OR IN FOOD PREP AREAS SHALL BE INSTALLED WITH GALVANIZED 1/2" STANDOFF CONDUIT HANGERS TO ALLOW FOR CLEANING.
- ONLY FEEDER CIRCUITS NOTED ON THE ONE LINE DIAGRAM AND BRANCH CIRCUITS NOTED BY LEGENDS SHALL BE INSTALLED UNDER SLAB. PROVIDE EXTERIOR COATED GRC BENDS ON ALL CONDUIT RUNS THAT HAVE 45 DEGREE BENDS OR GREATER. REFER TO SPECIFICATION SECTION 16.00 FOR UNDER SLAB.
- SEISMIC ZONE REQUIREMENTS: PROVIDE EXPANSION COUPLINGS AND BRACING FOR ELECTRICAL EQUIPMENT AS REQUIRED BY LOCAL CODES.
- EXISTING ELECTRICAL AND ALARM:
 - WHERE DEMOLITION OR NEW CONSTRUCTION INTERRUPTS EXISTING ELECTRICAL CIRCUITS FEEDING EXISTING EQUIPMENT, DEVICES, OR LIGHTING TO REMAIN, BUT NOT SHOWN ON DRAWINGS, PROVIDE LABOR AND MATERIALS TO REWIRE CIRCUIT, AS REQUIRED, TO MAINTAIN EXISTING OPERATION.
 - IF DEMOLITION OR NEW CONSTRUCTION WILL DISRUPT EXISTING UNDERGROUND SERVICES (ELECTRICAL, TELEPHONE, PARKING LOT LIGHTING CIRCUITRY, ETC.) PROVIDE ALL MATERIALS AND LABOR AS REQUIRED TO REMOVE, SLEEVE, OR OTHERWISE REWORK THESE SERVICES TO MAINTAIN THEIR EXISTING OPERATION.
 - EXERCISE CAUTION AROUND ALARM AND SECURITY CABLES DURING DEMOLITION AND CONSTRUCTION. PROTECT ALARM AND SECURITY CABLES FROM ACCIDENTAL DAMAGE SO THAT SYSTEMS REMAIN OPERATIONAL AT ALL TIMES.
 - DISPOSE OF ALL REMOVED MATERIALS, UNLESS OTHERWISE NOTED.
- EXISTING ELECTRICAL DEMOLITION:
 - GENERAL: REMOVE OR RELOCATE EXISTING ELECTRICAL EQUIPMENT, CONDUIT AND CONDUCTORS AS INDICATED ON THE DRAWINGS, OR ONLY AS REQUIRED BY DEMOLITION. REMOVE ALL PANELBOARDS, DISCONNECT SWITCHES, BOXES, RELAYS, TIME SWITCHES, LIGHTS, DEVICES, ETC. WHICH WILL NOT BE REUSED.
 - SALES FLOOR: REMOVE UNUSED POWER DROP CONDUIT, CONDUITS AND RELATED DEVICES SERVING SALES AREA. GONDOLAS BEING RELOCATED OR REMOVED. EXISTING CONDUIT AND CONDUCTORS MAY BE REUSED FOR NEW POWER DROPS WHERE SIZE, RATING, AND CONDITION MEET REQUIREMENTS INDICATED ON PLANS AND ALL U.L. RATINGS. REMOVE ALL UNUSED CONDUIT AND CONDUCTORS BACK TO POINT OF ORIGIN WHENEVER FEASIBLE AND RELABEL DEMOLISHED CIRCUITS AS "SPACE". REMOVE CIRCUIT BREAKER AND REPLACE WITH FILER PLATE. UPDATE TYPED/WRITTEN CIRCUIT DIRECTORY IDENTIFYING CIRCUIT AS "SPACE".
 - CONDUIT AND WIRING TO BE ABANDONED IN CEILING SPACES AND OTHER NON-PUBLIC AREAS (I.E. THROUGH STOCKROOM AREA): CUT WIRING LOOSE AND REMOVE FROM RACEWAYS. LEAVING RACEWAYS IN PLACE. CONDUIT TO BE ABANDONED IN WALLS OR FLOORS SHALL BE REMOVED BACK TO FINISHED SURFACE AND CAPPED INSIDE. REPAIR SURFACE(S) TO MATCH ADJACENT.
 - ALL CIRCUIT BREAKERS SERVING BRANCH CIRCUITS TO BE REMOVED SHALL ALSO BE REMOVED. REMOVE CIRCUIT BREAKER AND REPLACE WITH FILER PLATE. UPDATE TYPED/WRITTEN CIRCUIT DIRECTORY IDENTIFYING CIRCUIT AS "SPACE".
 - DEMOLISHED FLUORESCENT LIGHT FIXTURES: REFER TO SELECTIVE SITE DEMOLITION SPECIFICATION FOR DISPOSAL OF LIGHT FIXTURE.
 - BUILDING COMPONENTS ABANDONED BY THE SCOPE OF WORK SHALL BE SECURED TO PREVENT FALLING, LOOSENING, OR CREATING DAMAGE OF ANY KIND IN THE FUTURE.
- DATA AND PHONE CONDUIT INSTALLATION MILESTONE DATE: ALL RACEWAY AND CONDUIT SLEEVES FOR DATA AND PHONE CABLE TO BE INSTALLED 3 WEEKS PRIOR TO CONTRACT SUBSTANTIAL COMPLETION DATE.
- ETHERNET CABLE:
 - FURNISH AND INSTALL JUNCTION BOXES AS SHOWN ON PLANS. PROVIDE CONDUIT AS REQUIRED BY LOCAL CODES AND/OR ORDINANCES.
 - ETHERNET CABLE IS FURNISHED BY OTHERS.
 - ELECTRICAL CONTRACTOR SHALL INSTALL CABLE IN POWER POLES.
 - ELECTRICAL CONTRACTOR SHALL INSTALL OTHER CABLE AS DIRECTED BY WALMART CONSTRUCTION MANAGER.

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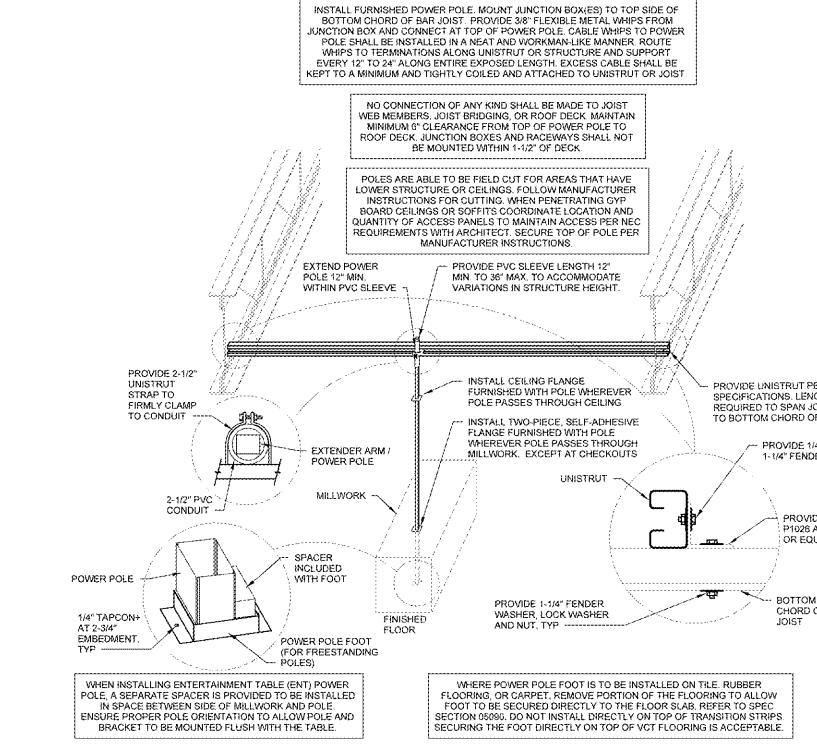
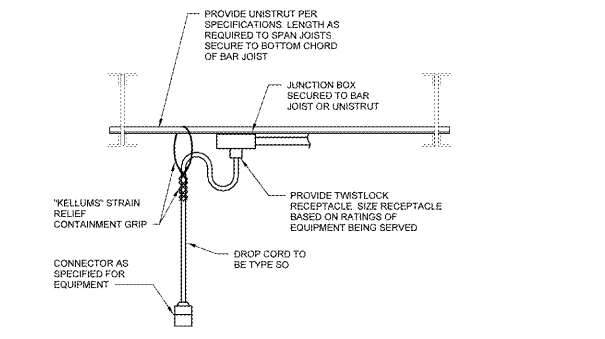


POWER DROP SCHEDULE

NO.	DESCRIPTION
PD1	MOUNT RECEPTACLE(S) ON TOP OF DISPLAY UNIT.
PD2	MOUNT RECEPTACLE(S) 6" ABOVE BASE OF DISPLAY UNIT(S) SO THAT RECEPTACLE(S) AND CONDUIT DO NOT INTERFERE WITH SHELF HEIGHT ADJUSTMENTS.
PD3	PROVIDE DIRECT CONNECTION TO EQUIPMENT.
PD4	OPEN STRUCTURE MOUNT RECEPTACLE AT BAR JOIST AND INSTALL FURNISHED CORD REEL.

POWER DROP NOTES

- POWER DROPS WILL BE IDENTIFIED BY AN #1V TAG OR POWER TAG, I.E. #4A, #6E, ETC. ALL CHECKOUT POWER SHALL BE CONSIDERED POWER DROPS.
- A REVISION OF THIS PLAN BASED ON THE FINAL MERCHANDISE LAYOUT MAY BE ISSUED TO SHOW FINAL LOCATIONS FOR THE POWER DROPS. IF THE MERCHANDISE PLAN DOES NOT CHANGE, THIS PLAN WILL NOT BE REUSED. PROVIDE CIRCUITRY TO DISPLAY RACKS AS THE RACKS ARE SET. IN ADDITION, THE FOLLOWING POWER DROP NOTES APPLY:
 - THERE WILL BE NO ADDITIONAL CHARGE FOR DROP RELOCATION WITHIN POWER DROP ZONES DEFINED ON DRAWING.
 - AT CLOSE OF PROJECT THE GENERAL CONTRACTOR AND CONSTRUCTION MANAGER SHALL REVIEW ADDITIONAL OR DELETED POWER DROPS WITHIN EACH ZONE TO VERIFY ANY CHANGES OR CREDITS THAT APPLY DUE TO CHANGES.
 - ADDING OR SUBTRACTING A POWER DROP TO ANY ZONE WILL RESULT IN A CHARGE OR CREDIT ACCORDING TO SPECIAL CONDITIONS.
- PROVIDE JUNCTION BOX AND CIRCUITRY TO NEAREST JOIST ABOVE LOCATION SHOWN ON DRAWING. EXTEND CONDUIT AND CIRCUITRY FROM JUNCTION BOX TO END CAP OF DISPLAY RACK.
- WHEN EXPOSED VERTICAL CONDUIT FROM STRUCTURAL CONNECTION TO GONDOLA EXCEEDS 19 FEET, INTERMEDIATE METALLIC CONDUIT (IMC) SHALL BE USED IN LIEU OF ELECTRICAL METALLIC CONDUIT (EMT). THE IMC CONDUIT AND COUPLINGS SHALL BE THREADED AND BE SECURELY FASTENED AT THE GONDOLA AND AT STRUCTURE.
- PROVIDE CONDUIT RECEPTACLE(S) AND FINAL CONNECTIONS AT DISPLAY RACK SHELVING PER POWER DROP SCHEDULE UNLESS NOTED OTHERWISE ON DRAWING. VERIFY EXACT HEIGHT AND LOCATION OF RECEPTACLE(S) WITH STORE PLANNING SET-UP SUPERVISOR PRIOR TO INSTALLATION.
- POWER DROPS FED FROM TRACK BUSWAY: INSTALL PLUG-IN UNIT AT A POINT ON TRACK BUSWAY NEAREST POWER DROPS.



STIPULATION FOR REUSE

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STORE NO: 1339-233

ISSUE DATE: 03/09/20

2020 GENERAL REMODEL

ISSUE BLOCK

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DOCUMENT DATE: 03/09/20

NOT FOR CONSTRUCTION

ELECTRICAL DETAILS

SHEET: **E3**