

# ELECTRICAL SYMBOLS LEGEND

(SYMBOLS APPLY ONLY WHEN USED ON DRAWINGS)

SYMBOL	DESCRIPTION
☐	LIGHT FIXTURE (WALL MOUNTED/CEILING MOUNTED)
⦿	LIGHT FIXTURE
☑	LIGHT FIXTURE, NIGHT LIGHT
⦿	VOLUMETRIC LIGHT FIXTURE
⦿	EXIT FIXTURE (WALL MOUNTED/CEILING MOUNTED)
⦿	EMERGENCY LIGHT (WALL MOUNTED/CEILING MOUNTED)
⦿	EMERGENCY LIGHT REMOTE HEADS (WALL MOUNTED/CEILING MOUNTED)
⦿	SINGLE POLE SWITCH
3	3-WAY SWITCH
4	4-WAY SWITCH
K	KEYED SWITCH
D	DIMMER SWITCH
VS	VARIABLE SPEED SWITCH
M	MANUAL MOTOR SWITCH
S	SINGLE POLE OCCUPANCY SENSOR SWITCH
OS	DOUBLE POLE OCCUPANCY SENSOR SWITCH
OS2	CEILING MOUNTED OCCUPANCY SENSOR SWITCH
R	RECEPTACLE DUPLEX
R	RECEPTACLE DUPLEX, CEILING
R	RECEPTACLE DUPLEX, MOUNTED HORIZONTALLY
R	RECEPTACLE, GFI
R	RECEPTACLE, DUPLEX FLUSH FLOOR
R	RECEPTACLE, DUPLEX ISOLATED GROUND FLUSH FLOOR
R	RECEPTACLE, DOUBLE DUPLEX
R	RECEPTACLE, DUPLEX ISOLATED GROUND
R	RECEPTACLE, DOUBLE DUPLEX ISOLATED GROUND
R	RECEPTACLE, SIMPLEX TWIST LOCK, 15-15R, UNO
R	RECEPTACLE, SIMPLEX TWIST LOCK, ISOLATED GROUND, 15-15R, UNO
R	RECEPTACLE, DUPLEX TWIST LOCK, 15-15R, UNO
R	RECEPTACLE, DUPLEX TWIST LOCK, ISOLATED GROUND, 15-15R, UNO
R	RECEPTACLE, SPECIAL
R	RECEPTACLE, SIMPLEX
R	RECEPTACLE, PLUG-MOLD
J	JUNCTION BOX (WALL MOUNTED/CEILING MOUNTED)
T	THERMOSTAT (WALL MOUNTED/CEILING MOUNTED)
A	ALARM JUNCTION BOX (WALL MOUNTED/CEILING MOUNTED)
R	ALARMS JUNCTION BOX (WALL MOUNTED/CEILING MOUNTED)
R	NON-FUSED DISCONNECT
R	FUSED DISCONNECT
R	EQUIPMENT CONNECTION POINT (PROVIDED WITH EQUIPMENT)
R	CIRCUIT, CONCEALED IN WALLS OR CEILING, E INDICATES EXISTING WIRING
R	CIRCUIT, CONCEALED IN SLAB FLOOR, E INDICATES EXISTING WIRING
R	CIRCUIT, EXPOSED, E INDICATES EXISTING WIRING
R	LOW VOLTAGE WIRING
R	CONDUIT SLEEVE
R	FLUSH MOUNTED PANELBOARD
R	SURFACE MOUNTED PANELBOARD
R	TELEPHONE / DATA BOX FOR ISD
R	LOW VOLTAGE CABLE BOX FOR OTHER
R	TELEPHONE, FLUSH FLOOR
R	MOTOR
R	TELEPOWER POLE
R	PUSH BUTTON
R	Buzzer
R	SAIL SWITCH JUNCTION BOX
R	HORN / STROBE
R	TIME CLOCK
A	ABBREVIATIONS
a, b, c	LOWER CASE LETTERS INDICATE SWITCHING CONFIGURATION ABOVE FINISHED GRADE
C	CONDUIT
CCT	CIRCUIT
CF	CEILING FAN
CW	CASH WRAP
EC	ELECTRICAL CONTRACTOR
EF	EXHAUST FAN
ETR	EXISTING TO REMAIN
EWC	ELECTRIC WATER COOLER
G	GROUND
GC	GENERAL CONTRACTOR
GFP	GROUND FAULT EQUIPMENT PROTECTION
GFI	GROUND FAULT CIRCUIT INTERRUPTER
HD	HAND DRYER
IG	ISOLATED GROUND
IG	NIGHT LIGHT
NTS	NOT TO SCALE
REC	REFRIGERATION ELECTRICAL CONTRACTOR
RC	REFRIGERATION CONTRACTOR
RM	RADIANT HEATER
TR	TAMPER RESISTANT
TYP	TYPICAL
LH	UNIT HEATER
UNO	UNLESS NOTED OTHERWISE
WH	WATER HEATER
WP	WEATHER PROOF
WR	WEATHER RESISTANT

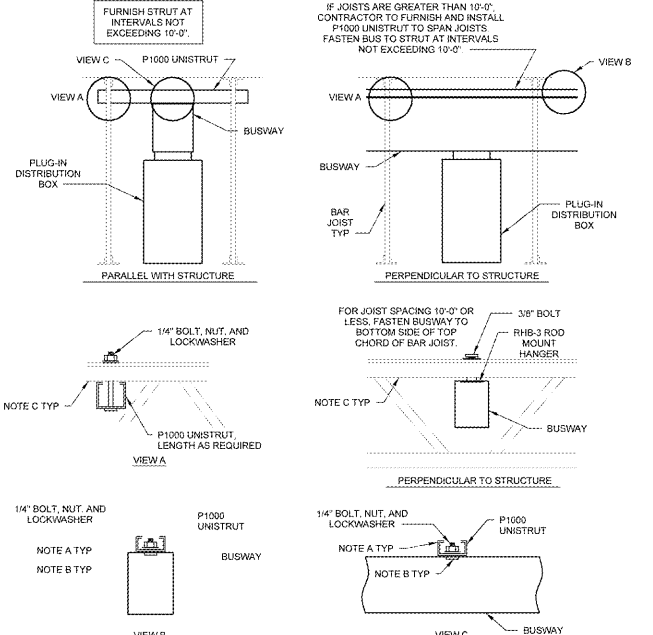
# BUSWAY (NEW): BLPL

Location: AT STRUCTURE ABOVE ENTERTAINMENT  
 Supply From: EXISTING SPL  
 Mounting: STRUCTURE  
 Enclosure:

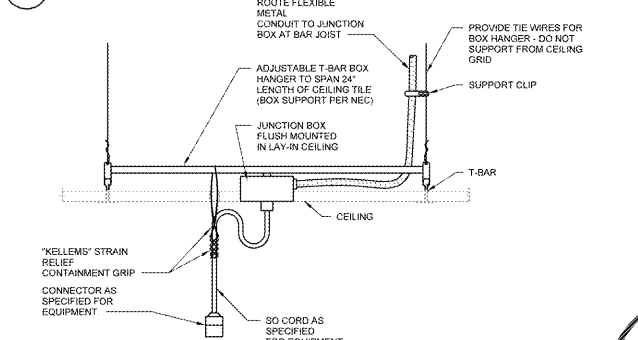
Notes: (1) LOC. RATING: 10,000  
 (2) MAINS TYPE: N/A  
 (3) MAINS RATING: 225 A

CKT	Circuit Description	Trips	Poles	A	B	Circuit Description	CKT	
1	OSH, PD4 RECEPTACLE	20 A	1	150 VA	720 VA	ENG PD2 RECEPTACLE	2	
3	ENG PD2 RECEPTACLES	20 A	1	720 VA	720 VA	ENG PD2 RECEPTACLES	4	
5	ENG PD2 RECEPTACLES	20 A	1	720 VA	840 VA	72A POWER POLES	6	
7	ENG PD2 RECEPTACLES	20 A	1	720 VA	720 VA	WIRELESS KIOSK RECEPTACLES	8	
9	87S POWER POLE	20 A	1	840 VA	720 VA	ENG PD2 RECEPTACLES	10	
11	ENG PD2 RECEPTACLES	20 A	1	720 VA	720 VA	ENG PD2 RECEPTACLES	12	
13	ENG PD2 RECEPTACLES	20 A	1	720 VA	720 VA	ENG PD2 RECEPTACLES	14	
15	ENT POWER POLE	20 A	1	1080 VA	1080 VA	ENT POWER POLE	16	
17	ENT POWER POLE	20 A	1	1080 VA	720 VA	ENG PD2 RECEPTACLES	18	
18	ENG PD2 RECEPTACLES	20 A	1	720 VA	720 VA	ENG PD2 RECEPTACLES	20	
21	ENG PD2 RECEPTACLES	20 A	1	720 VA	0 VA	ENG PD2 RECEPTACLES	22	
23	ENG PD2 RECEPTACLES	20 A	1	720 VA	720 VA	ENG PD2 RECEPTACLES	24	
25	DIGITAL PHOTO CENTER	20 A	1	720 VA	720 VA	PHASER AND SP UNIT	26	
27	DIGITAL PHOTO CENTER	20 A	1	720 VA	720 VA	COPIER RECEPTACLES	28	
29	DL PRINTER	20 A	1	288 VA	720 VA	120V 20A WIDE FORMAT PRINTER	30	
31	SPACE	---	---	0 VA	0 VA	0 VA	---	32
33	SPACE	---	---	0 VA	0 VA	---	---	34
35	SPACE	---	---	0 VA	0 VA	---	---	36
37	SPACE	---	---	0 VA	0 VA	---	---	38
39	SPACE	---	---	0 VA	0 VA	---	---	40
41	SPACE	---	---	0 VA	0 VA	---	---	42
				<b>Total Load:</b>	<b>10650 VA</b>	<b>11520 VA</b>		
				<b>Total Amps:</b>	<b>102 A</b>	<b>110 A</b>		

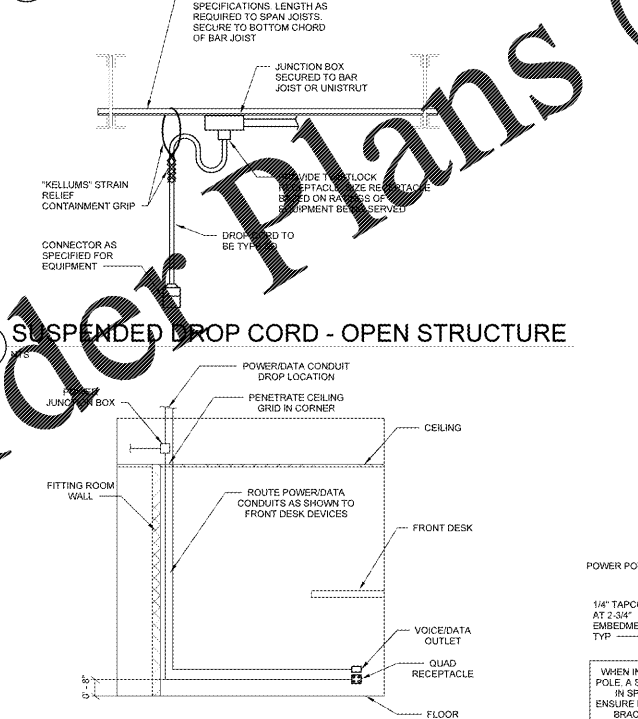
Legend:  
 Load Classification: RECEPTACLES 5940 VA, 100.00%  
 MISC EQUIP: 15140 VA, 100.00%  
 Panel Totals: Total Conn. Load: 22890 VA, Total Est. Demand: 22050 VA, Total Conn.: 106 A, Total Est. Demand: 106 A



# 6 OPEN STRUCTURE BUSWAY MOUNTING DETAIL



# 5 SUSPENDED DROP CORD - LAY-IN CEILING



# 4 SUSPENDED DROP CORD - OPEN STRUCTURE

## VOICE/DATA ROUGH-IN SCHEDULE

DROP	ROUGH-IN NOTES
1	FLUSH MOUNT JUNCTION BOX AT +20" (UNO) WITH (1) 3/4" CONDUIT STUBbing 1/2" ABOVE LAY-IN CELL.
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 +66" (UNO) WITH (1) 3/4" CONDUIT STUBbing TO ACCESSIBLE CEILING SPACE.

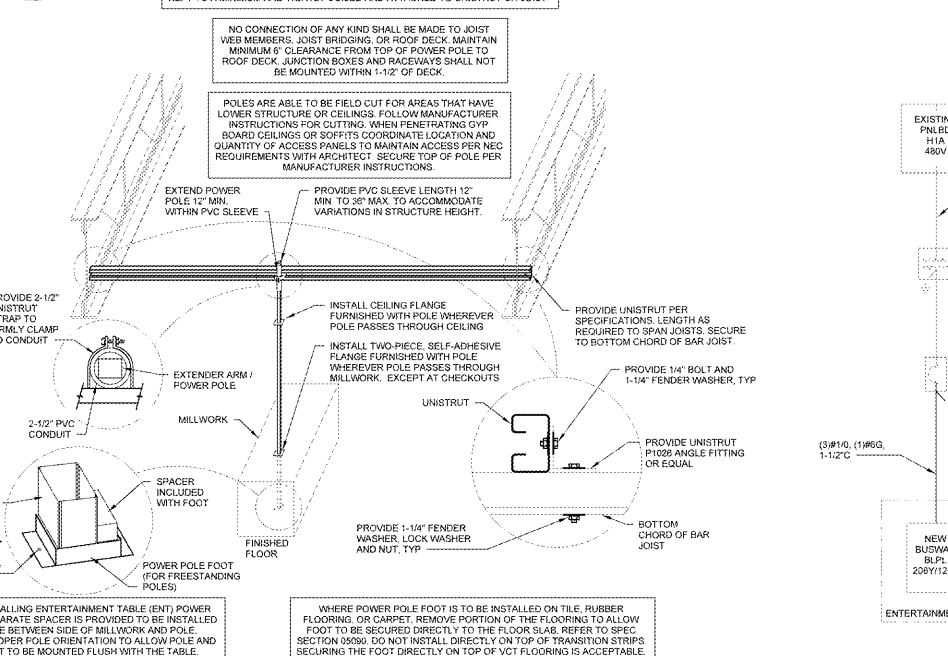
## SCHEDULE GENERAL NOTES

- ALL JUNCTION BOXES SHALL BE DOUBLE GANG WHEN AVAILABLE OVER PLASTER UNLESS NOTED OTHERWISE ON DRAWINGS.
- ALL JUNCTION BOXES TO BE DOUGHED OUT AS SCHEDULED UNLESS NOTED OTHERWISE ON DRAWINGS.
- ALL CONDUITS SHALL BE TERMINATED WITH THE FOLLOWING: (A) CONDUIT END OF CONDUIT SHALL BE SECURED TO AN ANCHOR WITH AN E-CLIP (B) CONDUIT SHALL BE SECURED TO AN ANCHOR WITH AN E-CLIP
- PROVIDE FLEXIBLE METAL WHIPS TO ALL OVERCURRENT DEVICES INSTALLED.
- CONDUIT RUNS SHALL HAVE A MAXIMUM OF 90 DEGREE TRANSITION BETWEEN PULL BOXES.
- WHERE CONDUITS PASS THROUGH CEILING OPEN TO STRUCTURE, CONDUITS SHALL BE CONCEALED AS WELL AS POSSIBLE FROM VIEW FROM CEILING.
- FOR CONDUIT SCHEDULED WITH 1-1/2" OR LARGER CONDUIT UTILIZE LARGE RADIUS SLEEVES AT POINTS OF TRANSITION.
- ACCESSIBLE CEILING SPACE SHALL BE CONSIDERED 12 INCHES ABOVE A LAY-IN CEILING OR ABOVE BAR JOIST ACCESSIBLE BY A SCOISSOR LIFT FOR REAS OPEN TO STRUCTURE.

## CONTACTOR SCHEDULE

LABEL AS SHOWN	LOAD SERVED	ENCLOSURE	COIL VOLTS	CONTACTS	NOTES
C1	SUSPENDED BUNKER LIGHTING	NEMA-1	120V	60V, 20A-2P	MECHANICALLY HELD
C2	PRODUCE STRIP LIGHTING	NEMA-1	120V	60V, 20A-2P	MECHANICALLY HELD
C3	PRODUCE CYLINDER LIGHTING	NEMA-1	120V	60V, 20A-2P	MECHANICALLY HELD

NOTE: E.C. TO FURNISH AND INSTALL CONTACTORS. REFER TO SHEET EM1 FOR EMS CONTROL INFORMATION.



# 3 FITTING ROOM ELEVATION

# PANELBOARD NOTES ( )

- TERMINATE GROUND ON ISOLATED GROUND BUS
- INSTALL LOCKING DEVICE (LOCK-OFF FOR MAINTENANCE); LOCKING DEVICE SHALL BE UL LISTED; MANUFACTURER SHALL MATCH EXISTING PANELBOARD MANUFACTURER.
- INSTALL LOCKING DEVICE (LOCK-ON FOR CRITICAL LOAD)
- GFI BREAKER FOR PERSONNEL PROTECTION (5MA)
- GFI BREAKER FOR EQUIPMENT PROTECTION (30MA)
- CONDUCTOR SIZE HAS BEEN INCREASED FOR VOLTAGE DROP; SIZE EQUIPMENT GROUNDING CONDUCTOR PROPORTIONATELY PER NEC
- REFER TO ONE-LINE DIAGRAM FOR AVAILABLE FAULT CURRENT FOR INTERRUPT RATINGS.
- REFER TO ONE-LINE DIAGRAMS FOR WIRE SIZES
- FACTORY WARED TO LOAD.
- BREAKER SHALL BE HIGH MAGNETIC TYPE.
- FIELD VERIFY BREAKER IS NOT CONNECTED TO ANY LOAD; REMOVE CIRCUIT BREAKER AND REPLACE WITH BLANK COVER; UPDATE TYPED/WRTITTEN CIRCUIT DIRECTORY IDENTIFYING CIRCUIT AS "SPARE". IF AN EXISTING LOAD IS CONNECTED, REFER TO PANELBOARD NOTE (2)
- DUAL TAP SOLENOID OPERATED BREAKER; CONNECT EMERGENCY LIGHTING TO UNSWITCHED TERMINATION.
- EXISTING CIRCUIT.
- ROUTE CIRCUIT THROUGH CONTACTOR
- PROVIDE INTERLOCK WITH EXHAUST FAN/ANSL SYSTEM
- RELOCATED CIRCUIT FROM EXISTING PANELBOARD
- PROVIDE BLANK CIRCUIT BREAKER FULLER PLATE FOR POSITIVE IDENTIFICATION
- PROVIDE UL LISTED OVERCURRENT DEVICE TO COORDINATE AND OBTAIN MANUFACTURER'S LISTED RATING
- EXISTING CIRCUIT BREAKER TO REMAIN; VERIFY OPERATIONAL AND MEETS ALL U.L. RATINGS
- ROUTE CIRCUIT THROUGH EXISTING LCU CABINET UTILIZING EXISTING RELAY AND CONTROLS; UPDATE LCU IDENTIFYING CIRCUIT SCHEDULE WITH LOAD IDENTIFICATION
- SOLENOID OPERATED CIRCUIT BREAKER; REFER TO ENERGY MANAGEMENT PLANS FOR CIRCUIT BREAKER CONTROL
- TRACE EXISTING CIRCUIT; IDENTIFY LOAD AND PROVIDE COMPLETE TYPED/WRTITTEN PANELBOARD IDENTIFICATION SCHEDULE AND PLACE ON INTERIOR OF PANELBOARD DOOR; IF CIRCUIT IS A "SPARE", REFER TO PANELBOARD NOTE (1)

# 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 ABOVE 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 REQUIRED.
- CONTRACTOR SHALL VERIFY THAT ALL AFFECTED PANELBOARDS HAVE CIRCUIT BREAKER WOODKNOTS PROPERLY COVERED ANOTHER ALL TRIM IS IN GOOD CONDITION, ALLOWING NO ACCESS TO LIVE PARTS.
- PROVIDE SEALS AT RACEWAY PENETRATIONS AS FOLLOWS:  
 A. FIRE RATED WALLS: SEAL PER SPECIFICATIONS FOR FIRE STOPPING.  
 B. NEUTRALIZATION AREA: SEAL PER MECHANICAL DETAIL.  
 C. FREEZER/COOLER BOXES: SEAL WITH EXPANDING FOAM SEALANT.  
 D. EXTERIOR REFRIGERATION UNITS: SEALS DOCUMENTED FOR SEALING PENETRATIONS AND AIRWAY PENETRATIONS.
- PROVIDE A SEPARATE EQUIPMENT GROUNDING CONDUCTOR (SIZE AS SHOWN ON PANELBOARD IDENTIFICATION SCHEDULE) FOR EACH CIRCUIT. SINGLE CONDUCTOR SHALL BE USED FOR THE GROUNDING CONDUCTOR.
- ALL CONDUITS SHALL BE MINIMUM #12 AWG UNLESS NOTED OTHERWISE ON PLANS; COORDINATE THE STANDARD MOUNTING HEIGHTS WITH MASONRY:  
 A. SWITCHES "4"  
 B. RECEPTACLES "20"  
 C. VOICEDATA "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 RATING 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 OF CONDUIT SHALL BE USED FOR THE FINAL CONNECTION (15-FT MAXIMUM).
- 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 CIRCUITS NOTED BY LEGEND SHALL BE INSTALLED UNDER SLAB; PROVIDE EXTERIOR COATED GRC BENCH ON ALL CONDUIT RUNS THAT HAVE 45 DEGREE BENDS OR GREATER; REFER TO SPECIFICATION SECTION 16 100 FOR UNDER SLAB.
- SEISMIC ZONE REQUIREMENTS: PROVIDE EXPANSION COUPLINGS AND BRACING FOR ELECTRICAL EQUIPMENT AS REQUIRED BY LOCAL CODES.
- EXISTING ELECTRICAL AND ALARM:  
 A. 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 CIRCUITRY AS REQUIRED, TO MAINTAIN EXISTING OPERATION.  
 B. 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 REROUTE, SLEEVE, OR OTHERWISE REPAIR THESE SERVICES TO MAINTAIN THEIR EXISTING OPERATION.  
 C. 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.  
 D. DISPOSE OF ALL REMOVED MATERIALS UNLESS OTHERWISE NOTED.
- EXISTING ELECTRICAL DEMOLITION:  
 A. GENERAL: REMOVE OR RELOCATE EXISTING ELECTRICAL EQUIPMENT, CONDUIT AND CONDUCTORS AS INDICATED ON DRAWINGS, OR ONLY AS REQUIRED BY DEMOLITION. REMOVE ALL PANELBOARDS, DISCONNECT SWITCHES, BOXES, RELAYS, TIME SWITCHES, LIGHTS, DEVICES, ETC., WHICH WILL NOT BE REUSED.  
 B. SALES FLOOR: REMOVE UNUSED POWER DROP CONDUIT, CONDUCTORS 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 FULLER PLATE; UPDATE TYPED/WRTITTEN CIRCUIT DIRECTORY IDENTIFYING CIRCUIT AS "SPACE".  
 C. CONDUIT AND WIRING TO BE ABANDONED IN CEILING SPACES AND OTHER NON-PLUMB AREAS (I.E., THROUGH STOCKROOM AREA); CUT WIRING LOOSE AND REMOVE FROM RACEWAYS(S), LEAVING RACEWAYS(S) 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.  
 D. ALL CIRCUIT BREAKERS SERVING BRANCH CIRCUITS TO BE REMOVED SHALL ALSO BE REMOVED; REMOVE CIRCUIT BREAKER AND REPLACE WITH FULLER PLATE; UPDATE TYPED/WRTITTEN CIRCUIT DIRECTORY IDENTIFYING CIRCUIT AS "SPACE".  
 E. DEMOLISHED FLUORESCENT LIGHT FIXTURES: REFER TO SELECTIVE SITE DEMOLITION SPECIFICATION FOR DISPOSAL OF LIGHT FIXTURE.  
 F. 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 CABLEING TO BE INSTALLED 3 WEEKS PRIOR TO CONTRACT SUBSTANTIAL COMPLETION DATE.
- ETHERNET CABLE:  
 A. FURNISH AND INSTALL JUNCTION BOXES AS SHOWN ON PLANS; PROVIDE CONDUIT AS REQUIRED BY LOCAL CODES AND/OR ORDINANCES.  
 B. ETHERNET CABLE IS FURNISHED BY OTHERS.  
 C. ELECTRICAL CONTRACTOR SHALL INSTALL CABLE IN POWER CABLES.  
 D. ELECTRICAL CONTRACTOR SHALL INSTALL OTHER CABLE AS DIRECTED BY WALMART CONSTRUCTION MANAGER.

# 1 ONE-LINE DIAGRAM

# 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 ABOVE 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 REQUIRED.
- CONTRACTOR SHALL VERIFY THAT ALL AFFECTED PANELBOARDS HAVE CIRCUIT BREAKER WOODKNOTS PROPERLY COVERED ANOTHER ALL TRIM IS IN GOOD CONDITION, ALLOWING NO ACCESS TO LIVE PARTS.
- PROVIDE SEALS AT RACEWAY PENETRATIONS AS FOLLOWS:  
 A. FIRE RATED WALLS: SEAL PER SPECIFICATIONS FOR FIRE STOPPING.  
 B. NEUTRALIZATION AREA: SEAL PER MECHANICAL DETAIL.  
 C. FREEZER/COOLER BOXES: SEAL WITH EXPANDING FOAM SEALANT.  
 D. EXTERIOR REFRIGERATION UNITS: SEALS DOCUMENTED FOR SEALING PENETRATIONS AND AIRWAY PENETRATIONS.
- PROVIDE A SEPARATE EQUIPMENT GROUNDING CONDUCTOR (SIZE AS SHOWN ON PANELBOARD IDENTIFICATION SCHEDULE) FOR EACH CIRCUIT. SINGLE CONDUCTOR SHALL BE USED FOR THE GROUNDING CONDUCTOR.
- ALL CONDUITS SHALL BE MINIMUM #12 AWG UNLESS NOTED OTHERWISE ON PLANS; COORDINATE THE STANDARD MOUNTING HEIGHTS WITH MASONRY:  
 A. SWITCHES "4"  
 B. RECEPTACLES "20"  
 C. VOICEDATA "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 RATING 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 OF CONDUIT SHALL BE USED FOR THE FINAL CONNECTION (15-FT MAXIMUM).
- 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 CIRCUITS NOTED BY LEGEND SHALL BE INSTALLED UNDER SLAB; PROVIDE EXTERIOR COATED GRC BENCH ON ALL CONDUIT RUNS THAT HAVE 45 DEGREE BENDS OR GREATER; REFER TO SPECIFICATION SECTION 16 100 FOR UNDER SLAB.
- SEISMIC ZONE REQUIREMENTS: PROVIDE EXPANSION COUPLINGS AND BRACING FOR ELECTRICAL EQUIPMENT AS REQUIRED BY LOCAL CODES.
- EXISTING ELECTRICAL AND ALARM:  
 A. 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 CIRCUITRY AS REQUIRED, TO MAINTAIN EXISTING OPERATION.  
 B. 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 REROUTE, SLEEVE, OR OTHERWISE REPAIR THESE SERVICES TO MAINTAIN THEIR EXISTING OPERATION.  
 C. 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.  
 D. DISPOSE OF ALL REMOVED MATERIALS UNLESS OTHERWISE NOTED.
- EXISTING ELECTRICAL DEMOLITION:  
 A. GENERAL: REMOVE OR RELOCATE EXISTING ELECTRICAL EQUIPMENT, CONDUIT AND CONDUCTORS AS INDICATED ON DRAWINGS, OR ONLY AS REQUIRED BY DEMOLITION. REMOVE ALL PANELBOARDS, DISCONNECT SWITCHES, BOXES, RELAYS, TIME SWITCHES, LIGHTS, DEVICES, ETC., WHICH WILL NOT BE REUSED.  
 B. SALES FLOOR: REMOVE UNUSED POWER DROP CONDUIT, CONDUCTORS 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 FULLER PLATE; UPDATE TYPED/WRTITTEN CIRCUIT DIRECTORY IDENTIFYING CIRCUIT AS "SPACE".  
 C. CONDUIT AND WIRING TO BE ABANDONED IN CEILING SPACES AND OTHER NON-PLUMB AREAS (I.E., THROUGH STOCKROOM AREA); CUT WIRING LOOSE AND REMOVE FROM RACEWAYS(S), LEAVING RACEWAYS(S) 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.  
 D. ALL CIRCUIT BREAKERS SERVING BRANCH CIRCUITS TO BE REMOVED SHALL ALSO BE REMOVED; REMOVE CIRCUIT BREAKER AND REPLACE WITH FULLER PLATE; UPDATE TYPED/WRTITTEN CIRCUIT DIRECTORY IDENTIFYING CIRCUIT AS "SPACE".  
 E. DEMOLISHED FLUORESCENT LIGHT FIXTURES: REFER TO SELECTIVE SITE DEMOLITION SPECIFICATION FOR DISPOSAL OF LIGHT FIXTURE.  
 F. 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 CABLEING TO BE INSTALLED 3 WEEKS PRIOR TO CONTRACT SUBSTANTIAL COMPLETION DATE.
- ETHERNET CABLE:  
 A. FURNISH AND INSTALL JUNCTION BOXES AS SHOWN ON PLANS; PROVIDE CONDUIT AS REQUIRED BY LOCAL CODES AND/OR ORDINANCES.  
 B. ETHERNET CABLE IS FURNISHED BY OTHERS.  
 C. ELECTRICAL CONTRACTOR SHALL INSTALL CABLE IN POWER CABLES.  
 D. ELECTRICAL CONTRACTOR SHALL INSTALL OTHER CABLE AS DIRECTED BY WALMART CONSTRUCTION MANAGER.

Walmart \* CAMDEN, SC

STIPULATION FOR REUSE: THIS DRAWING IS THE PROPERTY OF ARTM CONSULTANTS, INC. IT IS TO BE USED ONLY FOR THE PROJECT AND SITE SPECIFICALLY IDENTIFIED HEREON. IT IS NOT TO BE REPRODUCED, COPIED, OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, WITHOUT THE WRITTEN PERMISSION OF ARTM CONSULTANTS, INC. ANY UNAUTHORIZED USE OF THIS DRAWING SHALL BE AT THE USER'S SOLE RISK AND WITHOUT LIABILITY TO ARTM CONSULTANTS, INC.

CONSULTANTS: artm CONSULTANTS, INC. 3202 E. BROOKVIEW BLVD, SUITE 200, GREENVILLE, SC 29615  
 864.734.7000 FAX: 864.734.7002

2020 GENERAL REMODEL

ISSUE BLOCK

CHECKED BY: JEE  
 DRAWN BY: TJP  
 PROTO CYCLE: 1025/19  
 DOCUMENT DATE: 12/18/19

NOT FOR CONSTRUCTION

ELECTRICAL DETAILS

SHEET: E3