

## ELECTRICAL SYMBOL LEGEND

⊕	JUNCTION BOX	⊕	L.A.N. RECEPTACLE
⊕	SWITCH	⊕	RECEPTACLE: 110 DUPLEX
⊕ <sub>3</sub>	THREE WAY SWITCH	⊕	RECEPTACLE: 110 DEDICATED
⊕ <sub>M</sub>	MOTION (OCCUPANCY) SENSOR SWITCH	⊕	RECEPTACLE: 110 QUAD
⊕	DIMMER	⊕	RECEPTACLE: 208V OR 220V
⊕	SWITCHBANK SEE DETAIL ON E3.0	⊕	GROUNDING ELECTRODE CONNECTION
⊕	TELEPHONE	NL	NIGHTLIGHTING 24 HR./DAY
⊕	THERMOSTAT		
⊕	THERMOSTAT SENSOR		
⊕	RACEWAY CONCEALED IN CEILING OR WALL. HASH MARKS INDICATE NUMBER OF WIRES. #12 AWG WIRE UNLESS OTHERWISE NOTED. TWO WIRES PLUS GROUND IF NO HASH MARKS SHOWN. LONG HASH MARK DENOTES NEUTRAL. ← INDICATES GROUND WIRE.		

## ABBREVIATIONS

AFF	ABOVE FINISHED FLOOR
AHJ	AUTHORITIES HAVING JURISDICTION
APPROX	APPROXIMATE
BLDG	BUILDING
CLG	CEILING
CKT	CIRCUIT
CONST	CONSTRUCTION
CW	COLD WATER
CM	STARBUCKS CONSTRUCTION MANAGER
CXA	COMMISSIONING AGENT
DL	LIGHTS WITHIN DAYLIGHT ZONE
DEG	DEGREES
DTL	DETAIL
DM	STARBUCKS DESIGN MANAGER
DN	DOWN
DWG(S)	DRAWING(S)
EA	EACH
EC	ELECTRICAL CONTRACTOR
ELEC	ELECTRICAL
EM	EMERGENCY
(E) OR (EX)	EXISTING
EXT	EXTERIOR
EG	EXHAUST GRILLE
ES	EQUIPMENT SUPPLIER
F&I	FURNISH & INSTALL
FLR	FLOOR
FT	FOOT/FEET
GC	GENERAL CONTRACTOR
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
GND	GROUND
HR	HOUR
HVAC	HEATING, VENTILATION, AIR CONDITIONING
HW	HOT WATER
LL	LANDLORD
LV	LOW VOLTAGE
MAX	MAXIMUM
MECH	MECHANICAL
MC	MECHANICAL CONTRACTOR
MDP	MAIN DISTRIBUTION PANEL
MEP	MECHANICAL, ELECTRICAL, AND PLUMBING
MFG	MANUFACTURER
MIN	MINIMUM
NTS	NOT TO SCALE
OCB	OVERCURRENT PROTECTION
PM	PROJECT MANAGER
REF	REFERENCE
REQ(D)	REQUIRE(D)
REV	REVISION
SHT	SHEET
SPECS	SPECIFICATION(S)
SF	SQUARE FEET
SST	STAINLESS STEEL
TEL	TELEPHONE
TEMP	TEMPORARY
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
WH	WATER HEATER
WP	WEATHER PROOF

## SECURITY SYSTEM NOTES:

STARBUCKS CONTRACTS DIRECTLY WITH SECURITY VENDOR TO SUPPLY AND INSTALL THE SECURITY SYSTEM. CONTRACTOR TO SCHEDULE INSTALLATION OF SECURITY SYSTEM FOR TWO (2) TIMES;

- ROUGH-IN PRIOR TO DRYWALL INSTALLATION
- FINAL TRIM PRIOR TO STORE TURNOVER

SECURITY VENDOR REQUIRES A MINIMUM TWO WEEKS LEAD TIME FOR EACH INSTALLATION. SECURITY VENDOR WILL COORDINATE REGIONAL INSTALLERS. ALL ADDITIONAL EXPENSES INCURRED DUE TO THE CONTRACTOR'S FAILURE TO SCHEDULE ACCORDINGLY WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.

## TELEPHONE SYSTEM NOTES:

GENERAL CONTRACTOR SHALL CONTACT STARBUCKS PRIOR TO BEGINNING CONSTRUCTION TO ORDER TELEPHONE LINES. REPORT ANY TELEPHONE INSTALLATION ISSUES IMMEDIATELY TO STARBUCKS.

CONFIRM PRIOR TO BEGINNING CONSTRUCTION THAT LANDLORD HAS FURNISHED AND INSTALLED ONE (1) 2" (51 MM) CONDUIT INCLUDING PULL STRING FROM THE TELEPHONE POINT OF PRESENCE TO THE STARBUCKS DATA RACK. NOTIFY STARBUCKS CONSTRUCTION MANAGER IMMEDIATELY IF CONDUIT AND PULL STRING ARE NOT INSTALLED.

ALL TELEPHONE/NETWORK CABLING IS THE SCOPE OF WORK OF THE TELEPHONE/NETWORK CABLING VENDOR AND THE SECURITY SYSTEM VENDOR. TELEPHONE/NETWORK CABLING VENDOR SHALL BE SCHEDULED SUCH THAT CABLING IS COMPLETE PRIOR TO ARRIVAL OF SECURITY SYSTEM VENDOR.

GENERAL CONTRACTOR SHALL SCHEDULE ON-SITE WORK PERFORMED BY THE TELEPHONE/NETWORK CABLING VENDOR AND THE SECURITY SYSTEM VENDOR. THE TELEPHONE/NETWORK CABLING VENDOR SHALL BE SCHEDULED SUCH THAT CABLING IS COMPLETE PRIOR TO ARRIVAL OF SECURITY SYSTEM VENDOR.

## POS / DATA LINE NOTES:

DATA CALBE REFERENCED IN THIS SECTION IS SEPARATE FROM THE TELEPHONE AND T-1 CIRCUITS.

STARBUCKS CONTRACTS DIRECTLY WITH THE DATA CABLING VENDOR TO SUPPLY AND INSTALL CATEGORY 5 (CAT5) LAN CABLE AND CONNECTORS FOR THE POINT OF SALE (POS) SYSTEM. CONTRACTOR TO SCHEDULE INSTALLATION OF DATA CABLING WITH DATA CABLING VENDOR. DATA CABLING VENDOR REQUIRES A LEAD TIME FOR INSTALLATION. DATA CABLING VENDOR WILL COORDINATE REGIONAL INSTALLERS. ALL ADDITIONAL EXPENSES INCURRED DUE TO THE CONTRACTOR'S FAILURE TO SCHEDULE ACCORDINGLY WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.

AT THE START OF CONSTRUCTION, STARBUCKS CONSTRUCTION MANAGER SCHEDULES DELIVERY OF CASH REGISTER/MANAGER'S WORKSTATION EQUIPMENT AND INSTALLATION BY A DATA CABLING TECHNICIAN FOR TWO (2) DAYS PRIOR TO CONSTRUCTION END. CONTRACTOR TO VERIFY DELIVERY SCHEDULE TWO (2) WEEKS PRIOR TO DELIVERY AND INSTALLATION DATE. EQUIPMENT IS SHIPPED DIRECTLY TO THE STORE; CONTRACTOR TO ACCEPT POS EQUIPMENT DELIVERY. DO NOT REFUSE DELIVERY.

DATA CABLING TECHNICIAN TO PROVIDE ALL CATEGORY 5 LAN CABLING AND CONNECTIONS TO ALL DESIGNED AND FUTURE CASH REGISTER LOCATIONS, AND MANAGER'S WORKSTATION.

STARBUCKS NEW STORE GROUP IS RESPONSIBLE FOR COORDINATING STARBUCKS POS SYSTEM DELIVERY AND INSTALLATION WITH THE DATA CABLING VENDOR. THIS GROUP MAY BE CONTACTED AT: [newstore@starbucks.com](mailto:newstore@starbucks.com)

## GENERAL ELECTRICAL NOTES:

1. THE ELECTRICAL CONTRACTOR SHALL COORDINATE ELECTRICAL WORK WITH OTHER TRADES. THE ARCHITECTURAL DRAWINGS SHALL TAKE PRECEDENCE OVER ALL OTHER DRAWINGS. DO NOT SCALE DISTANCES OFF THE ELECTRICAL DRAWINGS; USE ACTUAL BUILDING DIMENSIONS. OVERALL CASEWORK COMPONENT DIMENSIONING ON ELECTRICAL DETAILS ARE SHOWN FOR REFERENCE AND COORDINATION ONLY.

2. ALL ELECTRICAL SYSTEMS SHALL BE TESTED FOR PROPER OPERATION. BALANCE ALL BRANCH CIRCUIT LOADS BETWEEN THE PHASES OF THE SYSTEM WITHIN 10% OF THE HIGHEST PHASE LOAD IN EACH PANEL BOARD.

3. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR DE-ENERGIZING CIRCUITS IN DEMOLITION AREAS TO INSURE A SAFE CONDITION. ELECTRICAL DEVICES AND ASSOCIATED WIRING LOCATED WITHIN THE DEMOLITION AREA THAT WILL NO LONGER BE USED SHALL BE REMOVED AND PROPERLY DISPOSED OF AT CONTRACTORS EXPENSE UNLESS OTHERWISE NOTED.

4. THE ELECTRICAL CONTRACTOR SHALL SCHEDULE ALL ELECTRICAL SYSTEM OUTAGES WITH THE GENERAL CONTRACTOR AND LANDLORD AT LEAST 24 HOURS IN ADVANCE. UNLESS APPROVED OTHERWISE ALL OUTAGES SHALL OCCUR BETWEEN 11:00PM AND 5:00AM.

5. ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL ALL NECESSARY CONDUIT AND J-BOXES TO SUPPORT A COMPLETE SECURITY, PHONE, POS AND DATA SYSTEMS. SEE MANAGER WORKSTATION AND BAR POINT OF SALE (POS) POWER/TELECOM/SECURITY DIAGRAM. COORDINATE ALL DEVICE LOCATIONS AND MOUNTING HEIGHTS WITH SECURITY VENDOR PRIOR TO ROUGH-IN. PROVIDE END-TO-END PULL STRINGS IN ALL CONDUITS. LABEL EACH END OF THE PULL STRING WITH CONDUIT SYSTEM ("SECURITY") AND DESTINATION ("CAFE", "FRONT BAR", ETC.). PROVIDE INSULATED BUSHINGS ON ALL STUBBED-UP AND EXPOSED CONDUIT ENDS.

6. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE GENERAL CONTRACTOR TO PATCH AND REPAIR ALL EXISTING WALLS, FLOORS, CEILINGS OR OTHER SURFACES IDENTIFIED TO REMAIN THAT MAY BECOME DAMAGED DURING THE COURSE OF WORK.

7. EXPOSED/SURFACE MOUNTED CONDUITS SHALL ONLY BE ALLOWED WHERE NECESSARY IN EXPOSED CEILING AREAS. IF CONDUITS NEED TO BE SURFACE MOUNTED TO WALLS, COORDINATE WITH STARBUCKS CONSTRUCTION MANAGER FOR APPROVAL.

8. VERIFY LOCATION OF ALL OUTLETS AND SWITCHES WITH ARCHITECTURAL DRAWINGS, INTERIOR DETAILS, FINISH SCHEDULES, GENERAL CONTRACTOR, EQUIPMENT VENDORS, STARBUCKS AND EXISTING SITE CONDITIONS. VERIFY FINAL DOOR HINGE LOCATION PRIOR TO SWITCH INSTALLATION AND ADJUST SWITCH LOCATION IF NEEDED. DO NOT MOUNT RECEPTACLES/SWITCHES IN LOCATIONS THAT WOULD CONFLICT WITH MIRRORS, SEAMS OF WALLS, WAINSCOTS, TILE TRANSITIONS, ETC.

## HOTSPOT OR WI-FI NETWORK NOTES

ALL CABLING AND INFRASTRUCTURE TO SUPPORT THE T-1 HOTSPOT OR WI-FI NETWORK SHALL BE FURNISHED AND INSTALLED BY THE VENDOR. COORDINATE WITH STARBUCKS.

## MUSIC SYSTEM NOTES:

PROVIDE AND INSTALL A COMPLETE WIRING SYSTEM FOR ALL SPEAKERS. CONNECT ALL SPEAKERS TO THE OWNER PROVIDED MUSIC SYSTEM. MOUNT OWNER FURNISHED SPEAKERS WHERE SHOWN AND IN COORDINATION WITH ARCHITECTURAL PLANS AND DETAILS. FOLLOW MANUFACTURER'S INSTALLATION REQUIREMENTS.

## GENERAL SPECIFICATION NOTES:

SCOPE

THE INTENT OF THE SPECIFICATION AND THE DRAWINGS IS TO PROVIDE A COMPLETE AND FULLY OPERATIONAL ELECTRICAL SYSTEM. THE ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL ALL LABOR, MATERIAL AND EQUIPMENT NECESSARY TO COMPLETE THE ELECTRICAL WORK.

SITE EXAMINATION

THE ELECTRICAL CONTRACTOR SHALL THOROUGHLY EXAMINE ALL AREAS WHERE EQUIPMENT, CONDUIT, AND WIRING WILL BE INSTALLED AND WILL REPORT ANY CONDITION THAT, IN HIS OPINION, PREVENTS THE PROPER INSTALLATION OF THE ELECTRICAL WORK.

STANDARDS

EQUIPMENT AND MATERIALS SHALL CONFORM WITH APPROPRIATE PROVISIONS OF NEC, ASTM, UL, ETL, NEMA, ANSI, AS APPLICABLE TO EACH INDIVIDUAL UNIT OR ASSEMBLY.

CODES

ALL WORK SHALL BE PERFORMED IN STRICT ACCORDANCE WITH ALL APPLICABLE STATE AND LOCAL CODES AND ORDINANCES. IN CASE OF CONFLICT BETWEEN THE DRAWINGS/SPECIFICATIONS AND THE CODES, THE HIGHEST STANDARD SHALL APPLY. ELECTRICAL CONTRACTOR SHALL SATISFY CODE REQUIREMENTS AS A MINIMUM STANDARD WITHOUT ANY EXTRA COST TO STARBUCKS.

PERMITS AND FEES

THE ELECTRICAL CONTRACTOR SHALL PROCURE AND PAY FOR ALL PERMITS, FEES, AND INSPECTIONS NECESSARY TO COMPLETE THE ELECTRICAL WORK.

WARRANTY

THE ELECTRICAL CONTRACTOR SHALL UNCONDITIONALLY WARRANT ALL WORK TO BE FREE OF DEFECTS IN MATERIAL AND WORKMANSHIP FOR A PERIOD OF ONE (1) YEAR FROM THE DATE OF FINAL ACCEPTANCE BY STARBUCKS AND WILL REPAIR OR REPLACE ANY DEFECTIVE WORK PROMPTLY AND WITHOUT CHARGE AND RESTORE ANY OTHER EXISTING WORK DAMAGED IN THE COURSE OF REPAIRING DEFECTIVE MATERIALS AND WORKMANSHIP.

## GENERAL ELECTRICAL SAFETY REQUIREMENTS:

- ALL ELECTRICAL WORK PRACTICES MUST COMPLY WITH APPLICABLE SECTIONS OF THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA), NATIONAL FIRE PROTECTION ASSOCIATION (NFPA), NATIONAL ELECTRIC CODE (NEC, NFPA 70 & 70E), NATIONAL ELECTRICAL SAFETY CODE (NESC), AND STATE AND LOCAL ADOPTED ELECTRICAL CODES.
- THE GENERAL CONTRACTOR, ELECTRICAL CONTRACTOR, AND ALL APPLICABLE TRADES ARE RESPONSIBLE FOR STRICT ADHERENCE TO ALL ELECTRICAL SAFETY REQUIREMENTS.

## COMMUNICATION SYSTEMS NOTES:

STARBUCKS CONTRACTS DIRECTLY WITH THE LANDLORD TO PROVIDE FOUR (4) CAT5 (WHITE) COMMUNICATION CABLES TO THE SPACE. FOUR (4) CAT5 CABLES ARE DEDICATED TO STORE OPERATIONS/COMMUNICATIONS.

Equipment Schedule													Electrical				
Design ID	Count	Description	Responsibility	Manufacturer	Model	Voit	Phase	Wires	FLA	KW	HP	OCPD rating	Branch Circuits	NEMA plug	Panel - Circuit	NOTES	
Bath & Toilet Accessories																	
x0500	2	Hand Dryer Surface Mounted MFR: EXCEL DRYER, MODEL: XL-GR 110/120V, 12.5AMP, GREY.	VD	EXCEL HAND DRYER	EX-GR	120	1	2	12.5	1.5	5/8	20/1	3/4"C.-2#12-CU.&1#12GRD.	--	PROVIDE AVAILABLE CIRCUIT IN EXISTING PANEL FIELD VERIFY.	5.6 (CONTACT: NEWTON DISTRIBUTION, KEITH@NEWTON DISTRIBUTING.COM)	
Food Service - Appliances & Equipment																	
10154	1	FOOD CASE - WITH SELF-SERVE - 54IN 1370MM - BRONZE	3PL	OASIS	SB5754.3924	208	1	3	11.1	2.3	--	15/2	3/4"C.-3#12-CU.&1#12GRD.	6-15	THE SAME NOTE ABOVE.	2	
12394	1	FOOD CASE - UPRIGHT - 46IN 1170MM - BLACK	WH	STRUCTURAL CONCEPTS	SBB45	208	1	2	15.00	3.2	--	15/2	3/4"C.-2#12-CU.&1#12GRD.	-	THE SAME NOTE ABOVE.	8	

### EQUIPMENT SCHEDULE NOTES

- PROVIDE GFCI CIRCUIT BREAKER.
- CORD AND PLUG SUPPLIED AND INSTALLED BY E.S. E.C. SHALL PROVIDE RECEPTACLE.
- NOT USED.
- NOT USED.
- CORD, PLUG AND RECEPTACLE SUPPLIED AND INSTALLED BY E.C.
- SINGLE PHASE THREE WIRE REQUIREMENT. PROVIDE NEUTRAL CONDUCTOR AND GROUND WIRE.
- NOT USED.
- E.C. SHALL HARD WIRE TO UNIT.

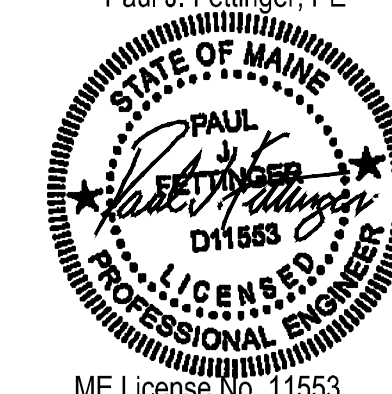


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ME License No. 11553  
Engineer of Record

Revision Schedule			
Rev	Date	By	Description

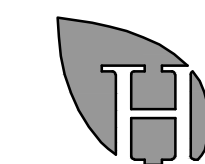
PROJECT NAME:  
**NORTHGATE PLAZA**  
PROJECT ADDRESS:  
**91 AUBURN STREET,  
PORTLAND ME 04103**

STORE #: 2830  
PROJECT #: 22764-021  
HEI PROJECT #: R13-1646.004  
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