

**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	HOOR
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
NL	NIGHTLIGHT
NTS	NOT TO SCALE
OCF	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

**ELECTRICAL SYMBOL LEGEND**

	JUNCTON BOX		RECEPTACLE: DUPLEX
	SWITCH		RECEPTACLE: DUPLEX - DEDICATED
	THREE-WAY SWITCH		RECEPTACLE: QUADPLEX
	MOTION (OCCUPANCY) SENSOR SWITCH		RECEPTACLE: QUADPLEX - DEDICATED
	SWITCHBACK		RECEPTACLE: HIGH VOLTAGE
	TELEPHONE		GROUNDING ELECTRODE CONNECTION
	THERMOSTAT		NIGHTLIGHTING 24HR/DAY
	THERMOSTAT SENSOR		PHOTOELECTRIC CELL
	DIMMER SWITCH		SPEAKER
	RECEPTACLE: DATA		
	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. GROUND WIRE NOT SHOWN.		

**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:  
 1. ROUGH-IN PRIOR TO DRYWALL INSTALLATION  
 2. FINAL TRIM PRIOR TO STORE TURNOVER

SECURITY VENDOR REQUIRES A MINIMUM TWO (2) 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" (51MM) 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 THE SECURITY SYSTEM VENDOR.

**POS \ DATA LINE NOTES**

DATA CABLE 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) DAY'S 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 CONNECTORS 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

**COMMUNICATION SYSTEM 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.

**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 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.

**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 CSA, ULG, 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 PROVINCIAL AND LOCAL CODES AND ORDINANCES. IN CASE OF CONFLICT BETWEEN THE DRAWINGS AND 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.



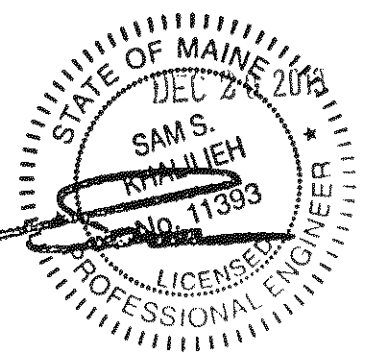
**STARBUCKS COFFEE COMPANY**  
 2401 UTAH AVENUE SOUTH  
 SEATTLE, WASHINGTON 98134  
 (206) 318-1575

THESE DRAWINGS AND SPECIFICATIONS ARE CONFIDENTIAL AND SHALL REMAIN THE SOLE PROPERTY OF STARBUCKS CORPORATION WHICH IS THE OWNER OF THE COPYRIGHT IN THIS WORK. THEY SHALL NOT BE REPRODUCED (IN WHOLE OR IN PART), SHARED WITH THIRD PARTIES OR USED IN ANY MANNER ON OTHER PROJECTS OR EXTENSIONS TO THIS PROJECT WITHOUT THE PRIOR WRITTEN CONSENT OF STARBUCKS CORPORATION.

ENGINEER OF RECORD

Revision Schedule			
Rev	Date	By	Description

FULL REMODEL



PROJECT NAME:  
**HAY BUILDING**  
 PROJECT ADDRESS:  
 594 CONGRESS STREET  
 PORTLAND, ME 04101

STORE #:	7433
PROJECT #:	04704-026
CONCEPT:	NCS
PALETTE:	REGIONAL MODERN
ISSUE DATE:	12-16-2013
DESIGN MANAGER:	ETA KLIGER
LEED © AP:	N/A
PRODUCTION DESIGNER:	SANKET J.
CHECKED BY:	HUSSEIN B.

SHEET TITLE:  
**ELECTRICAL SPECIFICATIONS**  
 SCALE: As indicated  
 SHEET NUMBER:  
**E-0001**