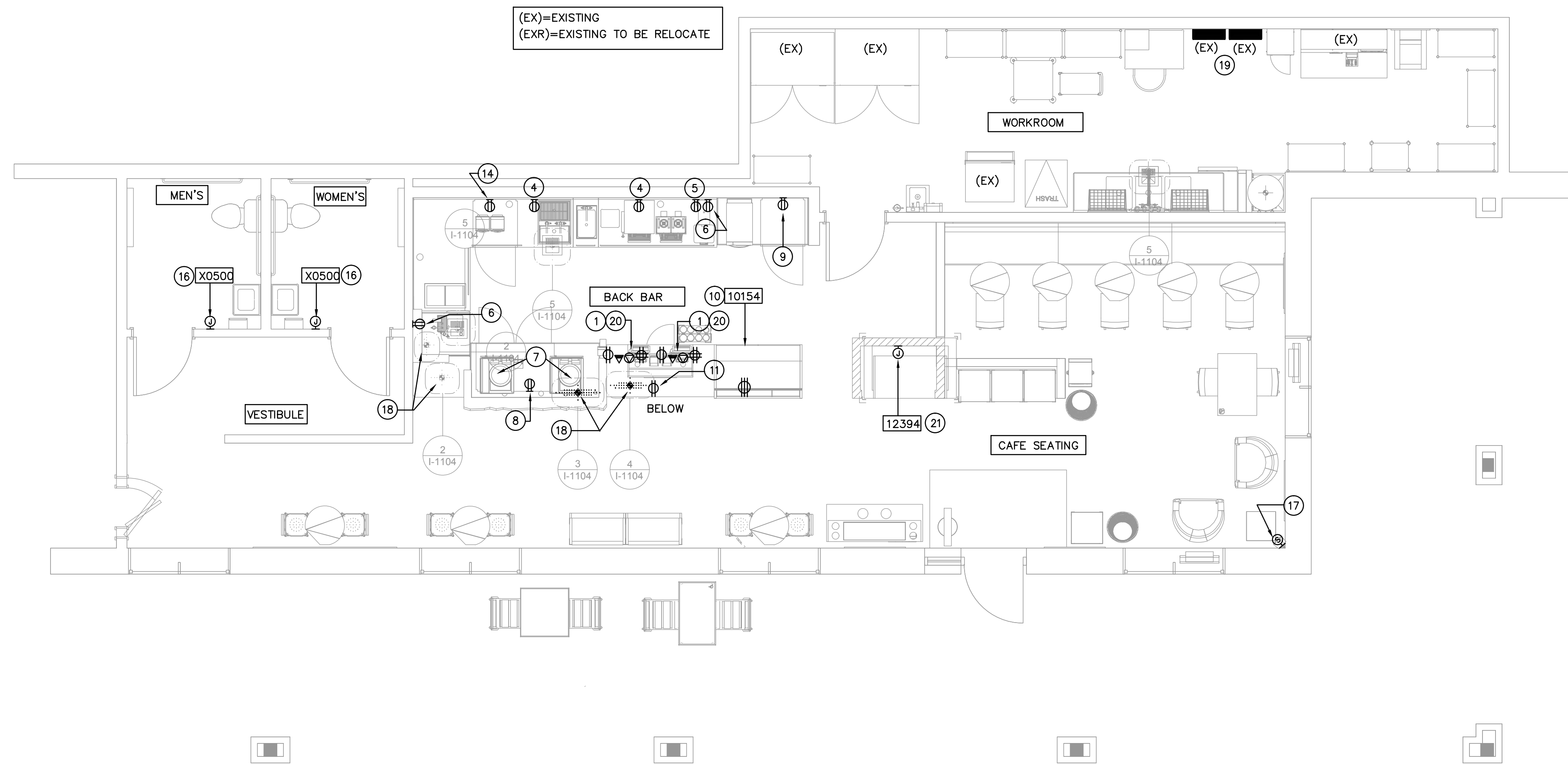


SHEET NOTES ①

1. EXISTING POS BANK/REGISTER/PRINTER TO BE RELOCATED AND REINSTALLED IN NEW MILLWORK. EXTEND EXISTING CIRCUIT TO NEW LOCATION. FURNISH AND INSTALL DOUBLE DUPLEX ISOLATED-GROUNDING TYPE RECEPTACLE AT 18" AFF, INCLUDING GREEN GROUNDING WIRE AND ISOLATED GROUNDING WIRE BACK TO SERVING POWER PANEL PER CODE. FURNISH AND INSTALL (1) J-BOX FOR DATA OUTLET AND (1) J-BOX FOR PHONE OUTLET AT 18" AFF.
2. NOT USED.
3. NOT USED.
4. EXISTING BREWER TO BE RELOCATED AND REINSTALLED IN NEW MILLWORK. EXTEND EXISTING CIRCUIT TO NEW LOCATION. COORDINATE EXACT REQUIREMENTS WITH EXISTING EQUIPMENT INSTALLATION.
5. EXISTING COFFEE GRINDER TO BE RELOCATED AND REINSTALLED IN NEW MILLWORK. EXTEND EXISTING CIRCUIT TO NEW LOCATION. COORDINATE EXACT REQUIREMENTS WITH EXISTING EQUIPMENT INSTALLATION.
6. EXISTING COFFEE SCALE TO BE RELOCATED AND REINSTALLED IN NEW MILLWORK. EXTEND EXISTING CIRCUIT TO NEW LOCATION. COORDINATE EXACT REQUIREMENTS WITH EXISTING EQUIPMENT INSTALLATION.
7. EXISTING ESPRESSO MACHINE TO BE RELOCATED AND REINSTALLED IN NEW MILLWORK. EXTEND EXISTING CIRCUIT TO NEW LOCATION. CIRCUIT VOLTAGE SHALL BE BETWEEN 198 VOLTS AND 218 VOLTS. IF NEEDED, THE CONTRACTOR SHALL PROVIDE A SQUARE-D BUCK-BOOST TRANSFORMER TO BE LOCATED IN AN ACCESSIBLE LOCATION WITHIN 6'-0" OF THE ELECTRICAL PANEL. CONFIRM LOCATION WITH PROJECT MANAGER PRIOR TO ROUGH-IN. PROVIDE ANY ADDITIONAL CONDUIT, WIRE, PRIMARY AND SECONDARY PROTECTION, AND CONNECTIONS NECESSARY TO INSURE A FUNCTIONAL SYSTEM. FURNISH AND INSTALL NEMA 6-50R RECEPTACLE HUBBELL HBL9367 SERIES OR EQUAL AT 26" AFF. ROUTE 3/4" CONDUIT- (2) #6 AND (1) #10 GROUND FROM MACHINE BACK TO PANEL. FURNISH AND INSTALL NEMA 6-50P ANGLED PLUG, HUBBELL HBL9368 SERIES OR EQUAL. (TYPICAL OF 2).
8. EXISTING 2 DOOR UNDER COUNTER FRIDGE TO BE RELOCATED AND REINSTALLED IN NEW MILLWORK LINE-UP. EXTEND EXISTING CIRCUIT TO NEW LOCATION. COORDINATE EXACT REQUIREMENTS WITH EXISTING EQUIPMENT INSTALLATION.
9. EXISTING 1 DOOR UNDER COUNTER FRIDGE TO BE RELOCATED AND REINSTALLED IN NEW MILLWORK LINE-UP. EXTEND EXISTING CIRCUIT TO NEW LOCATION. COORDINATE EXACT REQUIREMENTS WITH EXISTING EQUIPMENT INSTALLATION.
10. PROVIDE NEW 54" PASTRY CASE IN NEW MILLWORK. SEE EQUIPMENT SCHEDULE ON SHEET E-001. COORDINATE EXACT REQUIREMENTS WITH EQUIPMENT SUPPLIER.
11. EXISTING SAFE TO BE RELOCATED AND REINSTALLED IN NEW MILLWORK. EXTEND EXISTING CIRCUIT TO NEW LOCATION. COORDINATE EXACT REQUIREMENTS WITH EXISTING EQUIPMENT INSTALLATION.
12. NOT USED.
13. NOT USED.
14. EXISTING BLENDER TO BE RELOCATED AND REINSTALLED IN NEW MILLWORK. EXTEND EXISTING CIRCUIT TO NEW LOCATION. COORDINATE EXACT REQUIREMENTS WITH EXISTING EQUIPMENT INSTALLATION. (TYPICAL OF 2).
15. NOT USED.
16. HAND DRYER: FURNISH AND INSTALL CIRCUIT, EQUIPMENT CONNECTION AND J-BOX AT 42" AFF ON GFI CIRCUIT BREAKER SIZED PER CODE TO SUPPORT HAND DRYER. SEE EQUIPMENT SCHEDULE ON SHEET E-001 FOR MORE INFORMATION.
17. CONNECT NEW SPEAKER TO EXISTING SOUND SYSTEM.
18. UTILIZE EXISTING CONDUIT STUB UP FOR POWER, DATA PHONE TO SERVE NEARBY DEVICES IN THIS LOCATION. ROUTE POWER CONDUCTORS IN FLEXIBLE METAL CONDUIT CONCEALED OR TIGHT-TO-WALL FROM RECEPTACLES TO NEARBY RIGID STUB UP AND BACK TO SERVING POWER PANEL. ROUTE DATA AND PHONE CONDUITS UNDER FLOOR BACK TO DATA RACK NEAR MANAGER WORKSTATION. PROVIDE AN END-TO-END PULL STRING IN ALL DATA AND PHONE CONDUITS. LABEL EACH END OF PULL STRING WITH CONDUIT SYSTEM ("POS", "SECURITY", ETC.) AND DESTINATION ("DRIVE-THRU"). PROVIDE INSULATED BUSHINGS ON ALL STUBBED-UP AND EXPOSED CONDUIT ENDS. UNDER COUNTER REFRIGERATOR: PROVIDE RECEPTACLE AT 26" AFF.
19. LOCATION OF EXISTING PANELS.
20. RELOCATED POS & EQUIPMENT. RELOCATED EXISTING POS EQUIPMENT. STARBUCKS CONTRACTS DIRECTLY WITH DATA CABELING VENDOR TO SPPLY, INSTALL OR RELOCATE CAT 5 LAN CABELING FOR THEIR POS SYSTEMS. CONTRACTOR MUST SCHEDULE THROUGH THE STARBUCKS RENOVATION CONSTRUCTION MANAGER A MINIMUM OF TWO WEEKS PRIOR TO NEED. TO CONTACT AN INFORMATION TECHNOLOGY VENDOR REGARDING DATA CABELING, VOICE & NETWORK CIRCUITS, IT RACK AND/OR TURNING EQUIPMENT OFF FOR RELOCATION OR PAINTING, CONTACT VIA EMAIL: NEWSTORE@STARBUCKS.COM. ANY ADDITIONAL EXPENSES INCURRED DUE TO THE CONTRACTOR'S FAILURE TO SCHEDULE ACCORDINGLY WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.
21. PROVIDE NEW FOOD CASE IN NEW MILLWORK. SEE EQUIPMENT SCHEDULE ON SHEET E-001. COORDINATE EXACT REQUIREMENTS WITH EQUIPMENT SUPPLIER.



ELECTRICAL DESIGN NOTES

- A. FURNISH AND INSTALL A COMPLETE AND OPERATING SYSTEM. ALL ITEMS ARE NOT NECESSARILY SHOWN.
- B. ELECTRICAL CONTRACTOR RESPONSIBLE FOR SITE INVESTIGATION PRIOR TO START OF WORK TO REVEAL FULL SCOPE OF WORK.
- C. DIMENSIONS ARE TO FINISH FACE UNLESS OTHERWISE NOTED.
- D. REFER TO DETAIL SHEETS FOR EXACT LOCATIONS AND MOUNTING HEIGHTS OF ELECTRICAL DEVICES.
- E. THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR CONFIRMING ALL VOLTAGE REQUIREMENTS ON ALL EQUIPMENT AND PROVIDING BUCK-BOOST TRANSFORMERS AS MAY BE NEEDED FOR CODE. ALL ARE NOT NECESSARILY INDICATED.
- F. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH PLUMBING AND HEATING, VENTILATING, AND AIR CONDITIONING (HVAC) CONTRACTORS FOR ANY ADDITIONAL EQUIPMENT NEEDING POWER.
- G. ALL FUTURE EQUIPMENT NEEDED HEREIN SHALL BE PROVIDED WITH AN APPROPRIATE RECEPTACLE AND FULLY WIRED. EVEN IF NOT SPECIFICALLY INDICATED.
- H. GROUND FAULT CIRCUIT INTERRUPTER (GFCI) BREAKERS (NOT RECEPTACLES) SHALL BE UTILIZED WHERE REQUIRED BY CODE AND AT ANY FLOOR BOXES. PROVIDE DEDICATED NEUTRAL WIRE FOR ALL THESE CIRCUITS.
- I. EQUIPMENT REQUIRES CONNECTION TO THE BUILDING ELECTRICAL SYSTEM. FURNISH AND INSTALL ALL NECESSARY CONDUIT, WIRE, CONNECTIONS, RECEPTACLES AND OVERCURRENT PROTECTION NECESSARY TO ENSURE THE EQUIPMENT FUNCTIONED PROPERLY AND COMPLIES WITH ALL APPLICABLE LOCAL AND NATIONAL CODES. COORDINATE EQUIPMENT REQUIREMENTS WITH MANUFACTURER CUT SHEET PRIOR TO ROUGH-IN.
- J. ALL BACK BAR AND FRONT BAR J-BOXES AND OUTLETS SHALL BE SURFACE MOUNTED. PROVIDE CONDUITS AS NEEDED AND (1) ADDITIONAL SPARE CONDUIT BETWEEN ALL J-BOXES FOR FUTURE ELECTRICAL REQUIREMENTS. ALL J-BOXES SHALL BE POSITIONED TO AVOID OBSTRUCTION OF ANY EQUIPMENT SUCH AS REFRIGERATORS AND DISHWASHERS.
- K. CONTRACTOR SHALL WIRE NEW EQUIPMENT BACK TO EXISTING PANELBOARD. NEW BREAKERS SHALL MATCH EXISTING BREAKER TYPE. AIC RATING OF NEW BREAKERS SHALL ALSO MATCH EXISTING PANELBOARD RATING. CONTRACTOR SHALL VERIFY AHEAD OF TIME THAT RELOCATED PANELBOARD HAS THE SPARE CAPACITY TO HANDLE ADDITIONAL LOAD. IN THE EVENT THAT EXISTING PANELBOARD CAN NOT HANDLE ADDITIONAL LOAD, CONTACT STARBUCKS CONSTRUCTION PROJECT MANAGER OF RECORD PRIOR TO COMMENCEMENT OF WORK.
- L. EXISTING EQUIPMENT TO BE RELOCATED TO LOCATION SHOWN. CONTRACTOR TO EXTEND CONDUIT AND WIRE TO NEW LOCATION IF APPLICABLE. WIRE BACK TO RELOCATED PANEL AS INDICATED. CONTRACTOR TO ENSURE THAT EXISTING WIRE AND CONDUIT ARE IN PROPER WORKING ORDER. REPLACE AS NECESSARY.

1 ELECTRICAL DESIGN PLAN
1/4" = 1'-0"

SEE EQUIPMENT SCHEDULE ON SHEET E-0001



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. THESE DRAWINGS AND SPECIFICATIONS ARE INTENDED TO EXPRESS DESIGN INTENT FOR A PROTOTYPICAL STARBUCKS STORE (WHICH IS SUBJECT TO CHANGE AT ANYTIME) AND DO NOT REFLECT ACTUAL SITE CONDITIONS. NEITHER PARTY SHALL HAVE ANY OBLIGATION NOR LIABILITY TO THE OTHER (EXCEPT STATED ABOVE) UNTIL A WRITTEN AGREEMENT IS FULLY EXECUTED BY BOTH PARTIES.

T P G ARCHITECTURE
TPG Architecture, LLP
380 Park Avenue, South, New York, New York 10010
212 768 0800 212 768 1597 fax
www.tpgarchitecture.com

Paul J. Fettingner, PE



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
CONCEPT:
PALETTE:
ISSUE DATE: 9/19/2013
DESIGN MANAGER: Eta Kliger
LEED® AP:
PRODUCTION DESIGNER: AH
DRAWINGS BY: CTC/KLS/PJF

SHEET TITLE:
ELECTRICAL DESIGN PLAN

SCALE: As indicated

SHEET NUMBER:
E-1112

HALLBERG ENGINEERING
Mechanical/Electrical Consulting Engineers
1750 Commerce Court
White Bear Lake, MN 55110
(651) 748-1100 • Fax (651) 748-9370