

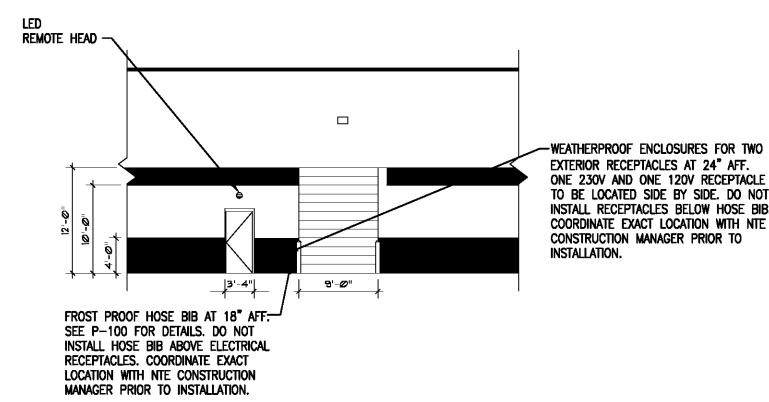
Order Plans @

**ED-100 KEYED NOTE SCHEDULE**

1. DEMO ELECTRICAL ITEMS AS REQUIRED TO MEET THE INTENT OF THE NEW LAYOUT. NOT EVERY DETAIL IS INDICATED NOR IS EVERY DETAIL OF RELOCATION INDICATED.
2. ALL NEW ELECTRICAL PIPING AND NEW DEVICES WORK AT NEW WALLS WITHIN THE EXPANDED PRODUCT PREP ROOM SHALL BE CONCEALED, OTHERWISE EXPOSED/SURFACE MOUNTED. CONTACT NTE WITH ANY QUESTIONS OR CLARIFICATIONS.
3. DEMO/SALVAGE EXISTING FIRE ALARM DEVICES. EXTEND PIPE/WIRING TO NEW LOCATION INDICATED. REINSTALL FIRE DEVICES.
4. DEMO EXISTING ELECTRICAL PIPES, BOXES, ETC. BACK TO NEAREST JBOX. PREPARE TO EXTEND SAME CIRCUITS/POWER TO NEW LOCATIONS INDICATED USING NEW PIPE/WIRE/BOXES/ETC.
5. EXISTING ELECTRICAL / PANEL / DEVICE TO REMAIN
6. RELOCATE EXISTING ELECTRICAL FOR AIR COMPRESSOR. SALVAGE/REUSE EXISTING SHUT OFF / EXISTING ELECTRICAL COMPONENTS IF POSSIBLE FOR REUSE. OTHERWISE, E.C. SHALL PROVIDE ALL NEW COMPONENTS AS NECESSARY FOR REINSTALLATION. EXTEND PIPE/WIRING/POWER AS REQUIRED FOR RELOCATION AS INDICATED.
7. EXISTING BALER - TO REMAIN
8. EXISTING EXTERIOR RECEPTACLES - DEMO EXISTING WP 230V/30A AND 120V/20A RECEPTACLES. DEMO PIPING BACK TO NEAREST JBOX NOT IN CONFLICT WITH NEW PLANNED OH DOOR OPENING. E.C. TO RE-PIPE/NEW WIRE TO INDICATED NEW LOCATIONS. E.C. TO FURNISH/INSTALL NEW WP BOXES/NEW DEVICES OF SAME SPEC. PROVIDE WEATHER PROOF COVERS, MOUNT SIDE-BY-SIDE, MOUNT AT 24" AFF. FEED WITH 1"Ø-3 #811 #100.
9. DEMO EXISTING "AR-7" POWER TO EXISTING OH SECTIONAL DOOR / OPERATOR BACK TO NEAREST J-BOX / SUB-PANEL. E.C. TO PROVIDE NEW DEDICATED 20A CIRCUIT OUT OF EXISTING "GEN" PANEL TO NEW OH COILING OVERHEAD DOOR OPERATOR AT NEW LOCATION INDICATED.
10. SALVAGE EXISTING WALL MOUNTED KEYED SWITCH CONTROLLER FOR EXISTING OH SECTIONAL DOOR. REUSE/REINSTALL AT NEW OH COILING DOOR AT NEW LOCATION INDICATED.
11. DEMO ELECTRICAL CONNECTION TO EXISTING EF-3 FAN MOTOR. DEMO EXISTING MEANS OF CONTROL / WALL MOTION SWITCH. E.C. SHALL VERIFY MFR'S POWER REQUIREMENTS FOR NEW EXHAUST MOTOR WITH PLANS / M.C. IF NO ADDITIONAL POWER IS REQUIRED FOR NEW MOTOR, E.C. SHALL RECONNECT EXISTING POWER OUT OF "LA-1" PANELBOARD. IF ADDITIONAL POWER/CIRCUIT IS REQUIRED FOR NEW EXHAUST MOTOR, E.C. SHALL FURNISH/INSTALL NEW CIRCUIT(S)/POWER FROM EXISTING "AR" SUB-PANEL WITHIN PRODUCT PREP ROOM. E.C. SHALL INSTALL NEW MEANS OF CONTROL OF NEW EXHAUST FAN MOTOR VIA NEW R.L.B. RELAY TIED TO HEAVY LIGHT CIRCUIT/WALL SWITCH WITHIN PRODUCT PREP ROOM. IF SPARE BREAKER IS NOT AVAILABLE, FURNISH/INSTALL NEW BREAKER.
12. EXISTING RIU / ELECTRICAL ACCESSORIES TO REMAIN
13. NOT USED
14. EXISTING AUTOMATIC SLIDING DOOR SETS - PROVIDE NEW ELECTRICAL DEDICATED (1) 20A CIRCUIT/POWER CIRCUIT OUT OF EXISTING "GEN" PANELBOARD TO EXISTING AUTOMATIC SLIDING DOORS AT VESTIBULE / RECONNECT. IF SPARE BREAKER IS NOT AVAILABLE IN "GEN" PANEL, FURNISH/INSTALL NEW BREAKER.
15. DEMO EXISTING STRIP LIGHTS UNDER SLOPED STOREFRONT CANOPIES EACH STOREFRONT SIDE.
16. NOT USED
17. DISCONNECT CIRCUITS "LA-1 / 35,37,39" ABOVE EXISTING CASH WRAPS. DEMO BACK TO NEAREST JBOX & CHP "LA-1" CIRCUITS. E.C. SHALL EXISTING "GEN 17" TO BE TEMPORARILY DISCONNECTED / BUT EXTENDED/RECONNECTED AT NEW CASHWRAP. E.C. SHALL COORDINATE ELECTRICAL DEMOLITION WORK WITH TENANT'S PERFORM WORK AT CASH AREA.
18. DISCONNECT EXISTING LA1-3.5 ELECTRICAL FROM RACKS ABOVE WALL. RECONFIGURE/REROUTE NEW ELECTRICAL 18(4) QUAD OULETS TO BACK SIDE OF NEW CABINET (CABINETS). E.C. TO COORDINATE ELEC. WORK WITH TENANT'S FIXTURES.
19. EXISTING ELEC. PANEL "AR" WITHIN PRODUCT PREP ROOM. SUB-PANEL SERVICES FOR POWER / NTE EQUIPMENT WITHIN PRODUCT PREP.
20. NOT USED
21. FURNISH/INSTALL NEW EMT PIPING, BOXES, MUDRINGS, ETC. FOR NEW CLIENT THERMOSTATS IN SALES WAREHOUSE, PRODUCT PREP, AND VENDING OFFICE. SEE MECHANICAL PLANS / SEE EMS-1 SHEET.
22. DEMO EXISTING PHOTOCELL / PHOTOCELL CONTROL OF EXTERIOR BUILDING LIGHT FIXTURES. DEMO EXISTING NORTHERN TOOL PANELBOARDS.
23. DEMO EXISTING BUILDING WALL PACK LIGHT FIXTURES.
24. DEMO EXISTING FLAGPOLE LIGHT FIXTURE.
25. DEMO EXISTING CHAIN-HUNG STRIP LIGHT FIXTURES. CHAINS TO REMAIN FOR NEW LED STRIP LIGHT FIXTURES.
26. DEMO EXISTING CHAIN-HUNG STRIP LIGHT FIXTURES. REMOVE CHAINS. PREPARE/MODIFY ELECTRICAL FOR MOVEMENT OF NEW LIGHT LOCATION AND NEW WALL SWITCH.
27. DEMO EXISTING TUB LIGHT FIXTURES. PREPARE/MODIFY ELECTRICAL FOR NEW LIGHT FIXTURES LOCATIONS
28. DEMO EXISTING RECESSED CAN LIGHT FIXTURES AT EXISTING SOFFITED ENTRY. PREPARE TO INSTALL RETROFIT LED RECESSED LIGHTING.
29. DEMO EXISTING LENS & COMPONENTS FROM WITHIN EXISTING 2X4 LIGHT FIXTURES AT OFFICES. MAINTAIN POWER CONNECTIONS AND CAN WITHIN CEILING GRID. PREPARE TO INSTALL NEW LED RETROFIT RIIS.

**E-200 KEYED NOTE SCHEDULE**

1. CHECK-OUT COUNTERS: PROVIDE TWO ADDITIONAL (2) 120V/20A DEDICATED CIRCUITS ON GFI PANELBOARD. CIRCUIT GEN-18 IS EXISTING. MOUNT J-BOXES AT BAR JOISTS ABOVE (2) PLANNED CHECK-OUT LOCATIONS. PROVIDE (3) DROPS/DISTRIBUTIONS/AND POWER CONNECTIONS TO EACH OF THREE (3) POWER POLES (BY OTHERS), CHECK OUTS (BY OTHERS). PROVIDE THREE (3) DATA DROPS TO EACH OF (3) POWER POLES/CHECK OUT COUNTERS WITH EMPT 3/4" EMT/TURN OUT AT DECK. PROVIDE PULL STRING IN EACH. TELCO WIRING AND DISTRIBUTIONS BY OTHERS.
2. EXTEND DEDICATED CIRCUIT(S) FOR POWERED PUSHBAR AT NEW DUTY. PROVIDE ALL NECESSARY PIPING, BOXES, WIRING, CONNECTIONS, MISC. PARTS, AND LABOR TO RESULT IN COMPLETE AND FULL OPERATION OF SPECIFIED DEXEY PUSHBARS. E.C. TO FURNISH AND INSTALL ALL NECESSARY BRING FOR FIRE ALARM INTERFAC FROM EXH DOOR/POWERED PUSHBARS TO THE EXISTING FIRE PANEL. INSTALL PULL STRING. FIRE ALARM WIRING/INTERFACING OF POWERED DETEX PUSHBAR BY FIRE ALARM INSTALLER. SEE SPECIFIED POWERED PUSHBAR HARDWARE/WIRING DETAIL. SEE NOTE #9 THIS SHEET.
3. EXTEND/REROUTE/RELAND ALL POWER CIRCUITS FEEDING EXTERIOR LIGHTS, EXTERIOR BUILDING SIGNAGE, AND EXTERIOR WALL PACK LIGHTS INTO/THROUGH NEW EMS "CLIENT LIGHTING CONTACTOR PANEL". NEW EMS CLIENT SYSTEM SHALL BE MEANS OF CONTROL. E.C. SHALL PROVIDE/INSTALL ALL ACCESSORIES, BOXES, ETC. TO ACCOMPLISH SEE EMS-1.
4. NOT USED
5. NOT USED
6. NOT USED
7. EXISTING EXTERIOR RECEPTACLES - DEMO EXISTING WP 230V/30A AND 120V/20A NEMA 5-20R RECEPTACLE FOR PRESSURE WASHER. PROVIDE NEW WEATHER PROOF ENCLOSURES FOR RECEPTACLES. FLUSH TO CMU, SIDE-BY-SIDE AND MOUNT AT 24" AFF. FEED WITH 1"Ø-3 #811 #100. SEE EACH DETAIL.
8. AUTOMATIC SLIDING DOOR SETS. PROVIDE CIRCUIT OVER/VOLTAGES ON EXISTING "GEN" PANEL. AS REQUIRED BY MFR. TO ACCOMMODATE NEW AUTOMATIC SLIDING DOOR SYSTEMS (IF APPLICABLE).
9. INSTALL NEW 8"Ø STRIP LIGHT AT EXTERIOR BUILDING UNDER SLOPED METAL CANOPIES AT EACH STOREFRONT SIDE.
10. NOT USED
11. COORDINATE/INSTALL KEYED SWITCH CONTROLS WITH OH DOOR OPERATOR. E.C. TO WIRE AS SINGLE BUMP FOR FULL OPEN AND/OR CLOSE OPERATION. ONE (1) EXISTING KEY SWITCH TO BE REUSED/RELOCATED. ONE (1) NEW KEY SWITCH FURNISHED BY NTE CPM. E.C. TO PROVIDE EMT/BOXES AS REQUIRED.
12. BLDG. SIGN POWER - E.C. SHALL PROVIDE DISCONNECT EXISTING STOREFRONT SIGNBOARDS. E.C. SHALL RELOCATE/MODIFY/REINSTALL EXISTING 120V/20A SIGNAGE CIRCUITS USING NEW EMT PIPE, WIRE & J-BOXES AT INTERIOR AS REQUIRED FOR NEW EXTERIOR SIGNAGE LAYOUT. COORDINATE NEW WALL PENETRATIONS AND CONNECTIONS WITH SIGNAGE INSTALLER TO ALL NEW LOCATIONS OF EXTERIOR BUILDING SIGNAGE. E.C. TO FIELD VERIFY LOCATIONS. E.C. TO SEAL / CAULK ALL WALL PENETRATIONS. E.C. SHALL EXTEND / RUN SIGNAGE CIRCUIT(S) THROUGH/TO NEW "CLIENT LCP CONTACTOR PANEL" LOCATION. LCP PROVIDED BY EMS SUPPLIER CIMS MECHANICAL; SEE EMS-1 SHEET. E.C. SHALL NOT PENETRATE ROOF WITHOUT WRITTEN APPROVAL FROM NTE CPM.
13. RELOCATE/MODIFY/REINSTALL EXISTING 120V/20A CIRCUIT W/J-BOX TIED NEW "GEN" PARTS AND SERVICE SIGN AT STOREFRONT WALL. COORDINATE EXACT SIGN LOCATION AT STOREFRONT WALL WITH NTE CPM. MAKE ALL REQUIRED CONNECTIONS.
14. NOT USED
15. ALL ELECTRICAL PIPING AT EXPOSED DECK AREAS WITHIN NEW PRODUCT PREP ROOM SHALL BE SURFACE MOUNTED AND AS TIGHT TO DECK AS POSSIBLE. OTHERWISE ALL NEW ELECTRICAL PIPE/WIRE WORK SHALL BE CONCEALED AT NEW CONSTRUCTED WALL ASSEMBLIES.
16. NOT USED
17. AIR COMPRESSOR - RELOCATE ELECTRICAL TO NEW AIR COMPRESSOR LOCATION WITHIN WAREHOUSE. EXTEND SAME POWER/CIRCUIT TO NEW LOCATION / INSTALL DISCONNECT. VERIFY NEW A/C UNIT LOCATION WITH NTE CPM.
18. NOT USED
19. NOT USED
20. NOT USED
21. OH DOOR POWER - PROVIDE "GEN" CIRCUIT(S)/POWER TO TWO (2) NEW OH DOORS AS REQUIRED BY DOOR MFR. PROVIDE 30A/1P STARTER/DISCONNECT. PROVIDE SWITCH BOXES, PIPING, ETC. REQUIRED FOR ALL OH DOORS.
22. BALER - EXISTING / TO REMAIN.
23. NOT USED
24. PRODUCT PREP ROOM WORK BENCH POWER - INSTALL ONE (1) 230V/50A NEMA 14-50R RECEPTACLE, THREE (4) 5-20R QUAD RECEPTACLES, ONE (1) 5-20R GFCI QUAD, ALL AT 54" AFF./WORK BENCH.
25. EXISTING ROOF MOUNTED GFCI WP RECEPTACLE AT ALL EXISTING RIU'S TO REMAIN.
26. FIRE ALARM INSTALLER SHALL FURNISH/INSTALL NEW FIRE WIRING RUN FROM FIRE PANEL LOCATION TO NEW DETEX DOOR PUSHBAR AT NEW EXT OF EXPANDED PRODUCT PREP ROOM. E.C. SHALL FURNISH/INSTALL EMPTY EMT PIPING/BOXES AS REQUIRED.
27. EXISTING FIRE ALARM PANELBOARD TO REMAIN. GC / E.C. / OR FIRE ALARM SUBCONTRACTOR SHALL SUPPLY/INSTALL AND/OR RELOCATE/REPLACE ANY NEW DEVICES AS REQUIRED AS PART OF THIS REMODEL TO MEET CODE.
28. ANY NEWLY ADDED FIRE ALARM HORN/STROBES AT EXPOSED DECK AREAS SHALL BE 110 CANDELA CEILING MOUNTED DEVICES. (TYPICAL)
29. EXISTING FIRE REMOTE ANNUNCIATOR TO REMAIN.
30. MAINTAIN 3-1/2" (42) MINIMUM WORK CLEARANCE IN FRONT OF ALL EXISTING ELECTRICAL PANELS.
31. NOT USED
32. NOT USED
33. WATER HEATER - TO REMAIN
34. EXISTING EXTERIOR PIPING TO BE CONTROLLED VIA SEPARATE VARIABLE FEEDS TO REMAIN
35. TO SUPPLY/INSTALL R.L.B. RELAY AND MISCELLANEOUS EXHAUST FAN INTO THE NEW EXHAUST FAN INTO THE LIGHTING CIRCUIT SERVING TUBAY LIGHTS WITHIN PRODUCT PREP ROOM.
36. NOT USED
37. E.C. SHALL FURNISH/INSTALL NEW DED. 20A "AR" CIRCUIT PLUG-IN MOUNTED AT DECK FOR TENANT'S CORD REEL. IF POWER IS ALREADY "EXISTING", E.C. SHALL MODIFY/RELOCATE EXISTING POWER TO NEW LOCATION AT DECK FOR NEW CORD REEL PROVIDED BY TENANT.
38. NOT USED
39. NOT USED
40. SMT/O FACTORY PRE-WIRED FOR INSTALLATION BY E.C. REFER TO SHEET EMS DRAWING FOR FURTHER INFORMATION.
41. NOT USED
42. NOT USED
43. NOT USED
44. NOT USED
45. NOT USED
46. NOT USED
47. PRIOR TO ELECTRICAL ROUGH-IN AT NEW PARTS ROOM. E.C. TO VERIFY EXACT LOCATION OF NEW CASED OPENING IN PARTS ROOM. E.C. TO ROUGH-IN ELECTRICAL AND DATA IN RELATIONSHIP TO THIS OPENING IN ORDER FOR POWER AND DATA TO BE ROUTED DIRECTLY INTO NEW CABINET (BY OTHERS). CONTACT NTE CPM WITH ANY QUESTIONS/CLARIFICATIONS.
48. FURNISH/INSTALL EMPTY PIPING, BOXES, PULL STRINGS AT DESIGNATED COLUMNS FOR MECHANICAL TERMS. EACH LOCATION CONSISTS OF EMPTY 3/4" EMT PIPING WITH TURN OUT/PULL STRING, 4" SQ. BOX MOUNTED AT 8'-8" A.F.F. TURNED HORIZONTAL.
49. NOT USED
50. MODIFY/EXTEND/RELOCATE EXISTING CIRCUITS FOR Pylon AND/OR MONUMENT SIGN TO NEW EMS "CLIENT" LCP BOX.
51. EXISTING 100 AMP SUB PANEL AT PRODUCT PREP ROOM.



**2 PRODUCT PREP EXTERIOR ELEVATION**  
SCALE: 3/32" = 1'-0"

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Design and construction documents are instruments of service. They are given to the contractor and remain the property of Michael Crislip Architect. The use of the drawings after the close of the project shall be at the user's discretion. A separate contract is required for other uses.

**NORTHERN TOOL + EQUIPMENT**  
9401 STATESVILLE ROAD  
CHARLOTTE, NC 28269

Project No: 17483  
Drawn By: CGS  
Date: 03-09-20  
Scale: As Shown  
For Construction Only

**E0.01**

ELECTRICAL NOTES & DETAILS