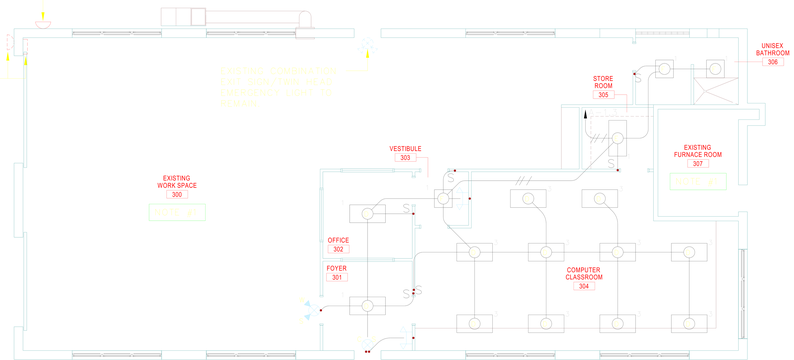
REMOVE EXISTING OVERHEAD 120/240V, SINGLE-PHASE SERVICE AND PANEL. PROVIDE NEW SERVICE, MAST AND PANEL AS INDICATED.

EXISTING THREE-PHASE OVERHEAD SERVICE AND PANEL TO REMAIN. SEE NOTE #4 FOR WORK AT THIS PANEL.



VOCATIONAL BUILDING PLAN – LIGHTING

SCALE: 1/8"=1'-0"

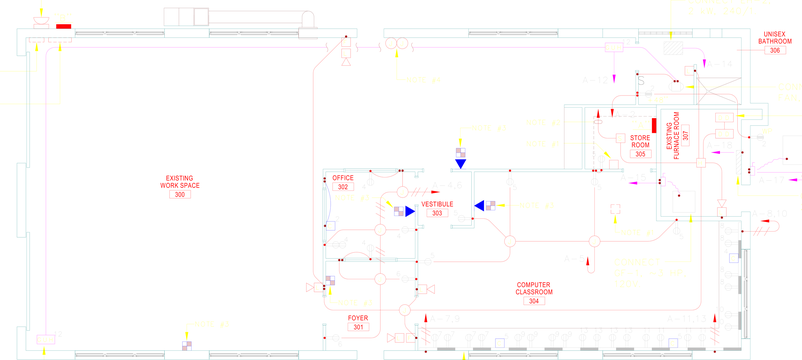
NOTES:

1. EXISTING LIGHTING TO REMAIN IN ROOMS NOTED.
2. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT LOCATIONS OF ALL LIGHTING FIXTURES.
3. EXIT SIGNS AND EMERGENCY LIGHTING UNITS SHALL BE CONNECTED TO LOCAL 120V,20 A. UNSWITCHED LIGHTING CIRCUITS.
4. EXISTING PANELBOARD NOTED IS 120/240 VOLT, 3-PHASE, 4-WIRE, DELTA PANELBOARD CURRENTLY CONTAINS A 200/3 M.B., 2-20/3 BREAKERS, 1-90/3 BREAKER, AND 33-20/1 BREAKERS. CONTRACTOR SHALL REMOVE ALL 20/1 CIRCUIT BREAKERS IN PANEL THAT ARE CONNECTED TO "HIGH LEG" PHASE AND SHALL INSTALL BLANK STOCK COVERS IN THEIR PLACE. CONTRACTOR SHALL PROVIDE NEW PERMANENT ENGRAVED SIGN ON PANEL INDICATING 120/240 VOLT, 3-PHASE, 4-WIRE, DELTA WITH WARNING PHRASE INDICATING WHICH PHASE IS "HIGH LEG" PHASE.

REMOVE EXISTING SERVICE MAST(120/240V, SINGLE-PHASE) AND PROVIDE NEW 120/240V, SINGLE-PHASE, 3-WIRE MAST. COORDINATE WITH UTILITY CO.

REMOVE EXISTING 200/2 MAIN SWITCH.

EXISTING PANELS AND CONDUCTORS TO REMAIN. RE-FEED FROM NEW PANEL "B". SEE FEEDER DIAGRAM.



VOCATIONAL BUILDING PLAN – POWER AND COMMUNICATIONS

SCALE: 1/8"=1'-0"

NOTES:

1. RELOCATE EXISTING DATA WIRING RACK FROM DASHED LOCATION SHOWN TO SOLID LOCATION SHOWN IN STORE ROOM 305. RELOCATE ALL WIRING EQUIPMENT, ETC. AS REQUIRED TO NEW LOCATION. ALL NEW DATA WIRING SHOWN ON THIS PLAN SHALL BE ROUTED TO THIS NEW RACK LOCATION.
2. EXTEND FIRE ALARM WIRING BACK TO MAIN HIGH SCHOOL "FACP" VIA EMPTY 1-4" CONDUIT PROVIDED DURING PHASE 1. WORK FROM VOCATIONAL BUILDING TO MAIN SCHOOL BUILDING. MODIFY/REPROGRAM EXISTING MAIN HIGH SCHOOL FIRE ALARM CONTROL PANEL AS REQUIRED TO INCORPORATE NEW VOCATIONAL BUILDING FIRE ALARM DEVICES.
3. TELEPHONE HANDSETS AND SPEAKERS NOTED ARE EXISTING IN THIS BUILDING. RELOCATE THESE DEVICES FROM THEIR PRESENT LOCATIONS TO NEW LOCATIONS SHOWN. DUE TO RELOCATION & SPACE REUSE WORK, FINE RECONNECT TO EXISTING SYSTEM AS REQUIRED. MAINTAIN EXISTING EXTENDED INTERCOM LOUDSPEAKER IN ITS PRESENT LOCATION.
4. RELOCATE TWO EXISTING EMERGENCY SHUT-OFF PUSHBUTTONS FROM WALL BEING REMOVED TO NEW LOCATION INDICATED. RECONNECT AS REQUIRED.
5. CONFIRM EXACT ROUGH-IN LOCATIONS FOR ALL HVAC/PLUMBING EQUIPMENT WITH MECHANICAL/PLUMBING CONTRACTOR PRIOR TO INSTALLATION OF CONDUIT.
6. STUB-OUT 3-1" CONDUITS FROM SURFACE RACEWAY INDICATED TO POINT ABOVE LAY-IN CEILING FOR DATA WIRING ACCESS. DATA WIRING SHALL RUN FROM DATA OUTLETS SHOWN IN RACEWAY BACK TO DATA RACK LOCATED IN STOREROOM 305.

PHASE TWO ADDITIONS AND RENOVATIONS

HIWASSEE DAM SCHOOL

Cherokee County, N.C.

PADGETT & FREEMAN ARCHITECTS, P.A.

ARCHITECTURE PLANNING INTERIORS

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Drawing

VOCATIONAL BUILDING ELECTRICAL

Date

5-27-04

Sheet

E3

Of

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