



HARRIMAN

AUBURN PORTLAND MANCHESTER

UNIVERSITY OF SOUTHERN MAINE CENTRAL HEAT PLANT UPGRADES

PORTLAND, ME

Harriman Project No. 14411

Key Plan

Prog North



WOODBURY CAMPUS CENTER

TWO 4" CONDUITS UNDERGROUND FROM HANDHOLE TO BUILDING FOR COMMUNICATIONS CABLING. RISE ON BUILDING EXTERIOR WALL AND CONNECT TO EXISTING AS REQUIRED. SEE CIVIL PLANS AND ARCHITECTURAL PLANS FOR TRENCHING AND SLAB CUTS.

THREE 3/4" CONDUITS FOR EMERGENCY PHONE WIRING AND MISCELLANEOUS COMMUNICATIONS COMMUNICATIONS HAND-HOLE SEE CIVIL PLANS

TERMINATE ALL EXISTING COMMUNICATIONS CONDUITS IN NEW HAND-HOLE AS REQUIRED

TWO 4" AND ONE 1 1/4" CONDUITS UNDERGROUND FROM HANDHOLE TO BUILDING FOR COMMUNICATIONS CABLING. PENETRATE FOUNDATION WALL AND RUN UNDERSLAB TO FAR WALL OF DATA ROOM. SEE CIVIL PLANS & ARCHITECTURAL PLANS FOR TRENCHING AND SLAB CUTS.

TYPICAL FOR ALL UNDERGROUND CONDUITS: CORE DRILL AND CUT FOUNDATION WALL TO ALLOW CONDUITS TO TURN UP INTO MAIN CIRCUIT BREAKER AND ATS. (CONDUITS SHALL NOT BE EXPOSED ON EXTERIOR BUILDING WALL)

STARTERS FOR P-3 AND P-4

PRIMARY TO MASTERTON HALL

PRIMARY TO SULLIVAN GYM

NEW PAD MOUNTED TRANSFORMER

NEW GENERATOR

GENERATOR

GARAGE 106

ATC

ATS

MDP

VFD-1

VFD-2

VFD-3

P-3

P-4

P1-2,4

P1-36

P1-52

P1-1

P1-7

P1-13

P1-6

P1-8

P1-35

MDP-19

MDP-23

MAIN CIRCUIT BREAKER

400A DISCONNECT

LIGHTING CONTROL PANEL LCP

TO SF-1

TO SF-2

TO SF-3

IT DATA CLOSET 105

TOILET ROOM 104

MDP-2

3#12#12G-3/4"C

2#12#G-3/4"C TYPICAL

3#12#12G-3/4"C

3#12#12G-3/4"C

3#12#12G-3/4"C

3#12#12G-3/4"C

3#4#8G-1 1/4"C

MDP-2 STORAGE 103

TO P1-12

P1-45

P1-47

TO VFD-1

TO VFD-2

TO VFD-3

TO CU-1

P1-14

P1-31

P1-16

P1-17

P1-12

ROOFTOP MOUNTED SUPPLY FAN SF-1

ROOFTOP MOUNTED SUPPLY FAN SF-2

ROOFTOP MOUNTED SUPPLY FAN SF-3

2#12#G-3/4"C TYPICAL

BOILER ROOM 101

BOILER OPERATOR OFFICE AC-1

ROOFTOP MOUNTED CONDENSING UNIT

ROOFTOP MOUNTED

3#10#12G-3/4"C

TO CU-1

COORDINATE EXACT LOCATION WITH FIRE DEPARTMENT

DA-1

B-1

B-2

B-3

CP

MDP-13

3#8#10G-1"C

WELDING RECEPTACLE

P1-22

3#8#8G-1"C

GENERATOR ANNUNCIATOR PANEL

110cd

3#12#12G-3/4"C

MDP-12

CP

MDP-1

3#2#8G-1 1/4"C

MDP-7

3#2#8G-1 1/4"C

MDP-13

3#8#10G-1"C

PLACE SIGN ON FACE OF DOOR INDICATING FIRE ALARM CONTROL PANEL LOCATED IN THIS ROOM

CFP-1

P1-38

2#8#10G-1"C

MDP-8

P1-41

P1-43

P1-32

3#2#8G-1 1/4"C

MDP-1

3#2#8G-1 1/4"C

GENERATOR ANNUNCIATOR PANEL

EYE WASH STATION HOT WATER HEATER

CHEMICAL INJECTOR PUMPS

CHEMICAL AGITATOR RECEPTACLE

FUEL OIL PUMP

FOP-1

3#12#12G-3/4"C

3#8#10G-1"C

CP

P1-19

3#8#10G-1"C

3-BUTTON STATION FOR ROLL UP DOOR. PROVIDE WIRING PER MANUFACTURER REQUIREMENTS

110cd

3#12#12G-3/4"C

MDP-1

CP

MDP-7

3#2#8G-1 1/4"C

MDP-13

3#8#10G-1"C

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