

NEW

| NEW | DESCRIPTION | EXISTING TO REMAIN | EXISTING TO BE REMOVED |
|-----|---------------------------|--------------------|------------------------|
| HWS | HOT WATER SUPPLY | -X- -X- -EHW6- -X- | -X- -X- -EHW6- -X- |
| HWR | HOT WATER RETURN | -X- -X- -EHW6- -X- | -X- -X- -EHW6- -X- |
| CMS | CHILLED WATER SUPPLY | -X- -X- -ECM5- -X- | -X- -X- -ECM5- -X- |
| CWR | CHILLED WATER RETURN | -X- -X- -ECM5- -X- | -X- -X- -ECM5- -X- |
| L | A.C. REF. LIQUID | -X- -X- -EL- -X- | -X- -X- -EL- -X- |
| S | A.C. REF. SUCTION (VAPOR) | -X- -X- -ES- -X- | -X- -X- -ES- -X- |
| FOS | FUEL OIL BURNER SUPPLY | -X- -X- -EFOS- -X- | -X- -X- -EFOS- -X- |
| FVO | FUEL OIL VENT | -X- -X- -EFOS- -X- | -X- -X- -EFOS- -X- |
| FO | FUEL OIL FILL | -X- -X- -EFO- -X- | -X- -X- -EFO- -X- |
| G | LP GAS PIPING | -X- -X- -EG- -X- | -X- -X- -EG- -X- |

EXISTING TO REMAIN

PIPE SIZE / SERVICE DESIGNATION

6" HWS

PIPING SERVICE LEGEND

| | |
|--|---|
| | ROUND SUPPLY OR OUTSIDE AIR DUCT UP |
| | ROUND RETURN OR EXHAUST AIR DUCT UP |
| | ROUND SUPPLY OR OUTSIDE AIR DUCT DN |
| | ROUND RETURN OR EXHAUST AIR DUCT DN |
| | ROUND DUCT |
| | DUCT PLAN-INCLINED DROP (DOWNSTREAM END LOWER) |
| | DUCT PLAN-INCLINED RISE (DOWNSTREAM END HIGHER) |
| | ACCESS DOOR |
| | FLEXIBLE CONNECTION |
| | RECTANGULAR DUCT TRANSITION TO ROUND DUCT |
| | VOLUME DAMPER (OPPOSED BLADE TYP.) |
| | FIRE DAMPER (WITH ACCESS DOORS UPSTREAM & DOWNSTREAM OF DAMPER) |
| | MOTOR OPERATED DAMPER |
| | FLEXIBLE DUCT |

DUCTWORK STANDARDS

1. ALL NEW SPACE THERMOSTATS SHALL BE MOUNTED 4'-0" ABOVE FINISHED FLOOR (AFF).

2. EQUIPMENT, DUCTWORK AND PIPING LOCATIONS SHOWN ARE APPROXIMATE EXCEPT WHERE DIMENSIONED. EXACT LOCATIONS SHALL BE DETERMINED BY THE CONTRACTOR TO AVOID INTERFERENCES.

3. FLEXIBLE CONNECTIONS SHALL BE PROVIDED BETWEEN AUTHORIZED UNITS AND DUCTWORK CONNECTIONS.

4. PROVIDE ACCESS DOORS IN EQUIPMENT AND DUCTWORK BACKDRAFT DAMPER, BLOWER, MOTORS, FILTERS, FANS AND BOTTOM OF STEEL.

5. BRITISH THERMAL UNITS SHALL BE RUN AS DIRECT AS POSSIBLE. PARALLEL PIPING SHALL BE RUN AS DIRECT AS POSSIBLE TO THE LINES OF THE BUILDING, SUPPORTED FROM THE STRUCTURE. FREE FLOOR COOLING CONDENSATE DRAINAGE POCKETS & SAGS & PITCHED TO LOW POINT DRAINS.

6. LOCATE ALL VALVES FOR EASY ACCESS & OPERATION. DO NOT LOCATE VALVES W/STEMS BELOW HORIZONTAL. ALL EXTERIOR WALL PENETRATIONS SHALL BE SEALED WEATHERTIGHT.

7. ENTERING AIR TEMP. ECCENTRIC.

8. ALL EQUIPMENT SHALL BE INSTALLED ACCORDING TO MANUFACTURERS RECOMMENDATIONS.

9. DUCTWORK SHALL BE COORDINATED TO PREVENT ANY INTERFERENCES W/ PLUMBING, ELECTRICAL AND OTHER WORK.

10. ALL DUCT SIZES SHOWN ARE CLEAR INTERNAL DIMENSIONS. FIRE DAMPER.

11. CONTRACTOR TO FIELD VERIFY ALL EXISTING DUCT SIZES, PIPE SIZES, LOWERS, ETC. INCLUDING LOCATIONS & ARRANGEMENTS OF SAME. COORDINATE NEW WORK WITH EXISTING CONDITIONS.

GENERAL NOTES

EQUIPMENT TAG LEGEND

| ABBREV. | DESIGNATION | DESCRIPTION |
|---------|-------------------|-------------|
| EA | EXHAUST REGISTER | EXHAUST AIR |
| RD | RETURN DIFFUSER | OUTDOOR AIR |
| R6 | RETURN GRILLE | RETURN AIR |
| RA | RETURN REGISTER | RETURN AIR |
| SA | SUPPLY REGISTER | RELIEF AIR |
| SD | SUPPLY DIFFUSER | SUPPLY AIR |
| SR | SUPPLY REGISTER | SUPPLY AIR |
| TD | TRANSFER DIFFUSER | |
| TG | TRANSFER GRILLE | |
| TR | TRANSFER REGISTER | |
| VD | VOLUME DAMPER | |

SYMBOLS

XXX CFM

DIFFUSER TAG WITH AIRFLOW

DIFFUSER TAG WITH AIRFLOW (CUBIC FEET PER MINUTE)

DIFFUSER TAG WITH AIRFLOW (CUBIC FEET PER MINUTE)

TAG DESIGNATION

AMLI AIR HANDLING UNIT DESIGNATION

BLI BOILER DESIGNATION

BBI BASEBOARD DESIGNATION

CHI CHILLER UNIT DESIGNATION

CONV CONVECTOR UNIT DESIGNATION

CAB CABINET UNIT HEATER DESIGNATION

EFF EXHAUST FAN DESIGNATION

ECI FAN COIL DESIGNATION

ETR FINNED TUBE RADIATION DESIGNATION

HEI HEAT EXCHANGER DESIGNATION

HRI HEAT RECOVERY UNIT DESIGNATION

HCI HEATING COIL DESIGNATION

PDI PUMP DESIGNATION

RFI RETURN FAN DESIGNATION

SFI SUPPLY FAN DESIGNATION

TSHI TOE SPACE HEATER DESIGNATION

UHI UNIT HEATER DESIGNATION

UVI UNIT VENTILATOR DESIGNATION

XI EXPANSION TANK DESIGNATION

ZDI ZONE DAMPER DESIGNATION

HEATING AND VENTING SYMBOLS

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MISCELLANEOUS ABBREVIATIONS

EXISTING TO REMAIN

EXISTING TO BE REMOVED

ANCHOR

AD ACCESS DOOR

AFF ABOVE FINISHED FLOOR

APD AIR PRESSURE DROP

AMT AVERAGE WATER TEMPERATURE

BD BACKDRAFT DAMPER

BOS BOTTOM OF STEEL

BV BRICK VENT

CD COOLING CONDENSATE DRAINAGE

CFM CUBIC FEET PER MINUTE

D DRAIN

DB DRY BULB

EAT ENTERING AIR TEMP.

ECC ECCENTRIC

EL ELEVATION

EMT ENTERING WATER TEMPERATURE

FA FRESH AIR

FC FLEXIBLE CONNECTION

FD FIRE DAMPER

FLA FULL LOAD AMPS

GM GALLONS PER MINUTE

HP HORSEPOWER

HVAC HEATING, VENTILATING & AIR CONDITIONING

HWB HOT WATER BASEBOARD

HZ HERTZ

LAT LEAVING AIR TEMP.

LFT LINEAL FEET

LRA LOCKED ROTOR AMPS

LWC LOW WATER CUT-OFF

LMT LEAVING WATER TEMPERATURE

MAX MAXIMUM

MBH THOUSAND BRITISH THERMAL UNITS PER HOUR

MD MANUAL DAMPER

MIN MINIMUM

MOD MOTOR OPERATED DAMPER

MV MANUAL VENT

NC NORMALLY CLOSED

OA OUTSIDE AIR

OSV OIL SAFETY VALVE

PD PRESSURE DROP

RIC RUN IN COVER

RPM REVOLUTIONS PER MINUTE

SP STATIC PRESSURE

TOS TOP OF STEEL

TV TURNING VANES

TYP TYPICAL

V VENT

VD VOLUME DAMPER

W WITH

WB MET BULB

ZD ZONE DAMPER

E EXISTING TO REMAIN

NR NEW TO REPLACE EXISTING IN EXISTING LOCATION

ER EXISTING RELOCATED

NR NEW TO REPLACE EXISTING IN EXISTING LOCATION

R EXISTING TO BE REMOVED

RR REMOVE & RELOCATE EXISTING

SECTION & DETAIL MARKERS

SECTION IDENTIFICATION (LETTER)

SECTION IDENTIFICATION (NUMBER)

SHEET CONTAINING

DETAIL CONTAINING

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SECTION IDENTIFICATION (NUMBER)

SHEET CONTAINING

DETAIL CONTAINING

MECHANICAL LEGEND & ABBREVIATIONS

PROJECT: PORTLAND, MAINE
BANGOR SAVINGS BANK
FORE STREET

ARCHITECTS • ENGINEERS
44 Central Street
Bangor, Maine 04401
tel. (207) 947-4511
fax (207) 947-4528

PROJECT MANAGER: MLC
JOB NO./DRAWING: MAC/LAC
M/T OF RECORD: RLR
SHEET NO. M-001

SCALE: NTS
DATE: --

GRAPHIC SCALE: 0"

SHEET TITLE: --

PROJECT No. 274759

WBR CAD FILE: 274759-M-001

WBRC

ISSUED FOR CONSTRUCTION
06-11-04

CURRENT ISSUE STATUS:

| REV. | DESCRIPTION | DATE |
|------|-------------|------|
| 0 | | |

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