LEGEND

AC	AIR CONDITIONING UNIT
ACC	AIR COOLED CONDENSER
ACCU	AIR COOLED CONDENSING UNIT
ACV	AUTOMATIC CONTROL VALVE
AD	ACCESS DOOR
AE	AIR EXTRACTOR
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AHU	AIR HANDLING UNIT
ALD	ACOUSTICALLY LINED DUCT
ATC	AUTOMATIC TEMPERATURE CONTROL
BBU	BOILER BURNER UNIT
BD	BAROMETRIC DAMPER
BDD	BACKDRAFT DAMPER
CBD	COUNTERBALANCED BACKDRAFT DAMPER
CC	COOLING COIL
CD	CEILING DIFFUSER
CDR	CONDENSATE DRAIN (AHU, FC, ETC.)
CDRP	CONDENSATE DRAIN PUMP (AHU, FC, ETC.)
CG	CEILING GRILLE
CFM	CUBIC FEET PER MINUTE
CH	CHILLER UNIT
CHWP	CHILLED WATER PUMP
CHWR	CHILLED WATER RETURN
CHWS	CHILLED WATER SUPPLY
CO	CLEANOUT
CPD	CONDENSATE PUMP DISCHARGE
CR	CONDENSATE RETURN
CTE	CONNECT TO EXISTING
CT	COOLING TOWER
CUH	CABINET UNIT HEATER
CW	COLD WATER
CWP	CONDENSER WATER PUMP
CWR	CONDENSER WATER RETURN
CWS	CONDENSER WATER SUPPLY
D	CONDENSATE DRAIN
D&D	DROP AND DRIP
DDR	DOUBLE DEFLECTION REGISTER
DEF	DEFLECTION
DHW	DOMESTIC HOT WATER
EF	EXHAUST FAN
EG	EXHAUST GRILLE
ER	EXHAUST REGISTER
EXH	EXHAUST
FC	FLEXIBLE CONNECTOR
FCU	FAN COIL UNIT

FD	FIRE DAMPER
FL	FINNED LENGTH OF RADIATION
FM	FLOW METER
FOR	FUEL OIL RETURN
FOS	FUEL OIL SUPPLY
FPT	FREEZE PROTECTION THERMOSTAT
FR	FLOOR REGISTER
FS	FLOW SWITCH
F&T	FLOAT & THERMOSTATIC TRAP
GCR	GRID CORE REGISTER
GPM	GALLONS PER MINUTE
HC	HEATING COIL
HE	HEAT EXCHANGER
HEDV	HOSE END DRAIN VALVE
HEF	HIGH EFFICIENCY FILTER BANK
HPCR	HIGH PRESSURE CONDENSATE RETURN (OVER 30 PSIG)
HPS	HIGH PRESSURE STEAM (OVER 30 PSIG)
HRC	HEAT RECOVERY COIL
HRP	HEAT RECOVERY PUMP
HRR	HEAT RECOVERY RETURN
HRS	HEAT RECOVERY SUPPLY
HUM	HUMIDIFIER
HWP	HEATING WATER PUMP
HWR	HEATING WATER RETURN
HWS	HEATING WATER SUPPLY
HV	HEATING & VENTILATING UNIT
LD	LINEAR DIFFUSER
LG	LINEAR GRILLE
LPCR	LOW PRESSURE CONDENSATE RETURN (0-15 PSIG)
LPS	LOW PRESSURE STEAM (0-15 PSIG)
LSGV	LOCK SHIELD GATE VALVE
MAN/LS	MANUAL CONTROL FROM LIGHT SWITCH
MAN/SS	MANUAL CONTROL WITH VARIABLE SPEED SWITCH
MBH	1000 BRITISH THERMAL UNITS PER HOUR
MCC	MOTOR CONTROL CENTER
MD	MOTORIZED DAMPER
MPCR	MEDIUM PRESSURE CONDENSATE RETURN (16 - 30 PSIG)
MPS	MEDIUM PRESSURE STEAM (16 - 30 PSIG)
MS	MAGNETIC STARTER
OA	OUTSIDE AIR
OED	OPEN ENDED DUCT
OS&Y	OUTSIDE SCREW & YOKE GATE VALVE
PD	PRESSURE DROP
PH	PREHEAT COIL
PRD	PRESSURE RELIEF DAMPER
PRV	PRESSURE REDUCING VALVE

R/D	RADIATION WITH DAMPER
RCHWP	RESET CHILLED WATER PUMP
RCHWR	RESET CHILLED WATER RETURN
RCHWS	RESET CHILLED WATER SUPPLY
REF	RETURN/EXHAUST FAN
RET	RETURN
RF	RETURN AIR FAN
RH	REHEAT COIL
RHWP	RESET HOT WATER PUMP
RHWR	RESET HOT WATER RETURN
RHWS	RESET HOT WATER SUPPLY
RPM	REVOLUTIONS PER MINUTE
RR	RETURN REGISTER
S	SWITCH
SA	SOUND ATTENUATOR
SCV	SELF - CONTAINED CONTROL VALVE
SD	SMOKE DAMPER
SDR	SINGLE DEFLECTION REGISTER
SF	SUPPLY FAN
SG	SUPPLY GRILLE
SP	STATIC PRESSURE
SS	STAINLESS STEEL
SUP	SUPPLY
SV	SOLENOID VALVE
TC	TIME CLOCK
TID	THERMALLY INSULATED DUCT
TD	TRANSFER DUCT
TF	TRANSFER FAN
TG	TRANSFER GRILLE
TR	TEMPERATURE RISE
TT	THERMOSTATIC TRAP
UH	UNIT HEATER
VAV	VARIABLE AIR VOLUME BOX
VB	VACUUM BREAKER
VD	VOLUME DAMPER
VF	VENTILATION FAN
WC	WATER COLUMN
WG	WALL GRILLE
WR	WALL REGISTER
	ACOUSTICALLY LINED DUCT
	ACV 2 - WAY
	ACV 3 - WAY
	BALANCE VALVE
BDD	BACKDRAFT DAMPER
	CAP - PIPE
	CHECK VALVE

	COMBINATION BALANCING, FLOW MEASURING & TIGHT SHUT-OFF VALVE
	DUCT SECTION - SUPPLY
	DUCT SECTION - RETURN/EXHAUST
	DUCT TURNING VANES
FD	FIRE DAMPER (1 1/2 HOUR RATED)
FD (3 HR)	FIRE DAMPER (3 HOUR RATED)
	FLEXIBLE DUCT
	FLOAT & THERMOSTATIC TRAP
	ISOLATION VALVE
	GLOBE VALVE
H	HUMIDISTAT
HS	HUMIDITY SENSOR
	LOCKSHIELD GATE VALVE
	LOUVER
V	MANUAL AIR VENT
MD	MOTORIZED DAMPER
S O/U	OCCUPIED/UNOCCUPIED SWITCH
	OS&Y GATE VALVE
	PETCOCK FOR GAUGE CONNECTION
	PIPE ANCHOR
	PIPE GUIDE
DN	PITCH DOWN
	PLUG VALVE
P	PRESSURE GAUGE
	PRESSURE REDUCING VALVE
	PRESSURE RELIEF VALVE
PRD	PRESSURE RELIEF DAMPER
A 10'-0" FL/D 10.0 MBH	RADIATION I.D. (TYPE A, 10'-0" FINNED LENGTH, 10,000 BTU/HR) WITH DAMPER
A 10'-0" FL 10.0 MBH	RADIATION I.D. (TYPE A, 10'-0" FINNED LENGTH, 10,000 BTU/HR) WITHOUT DAMPER
	REDUCER - CONCENTRIC
	REDUCER - ECCENTRIC
	RETURN AIR
	RETURN AIR DUCT
	RETURN PIPING (HEATING WATER, CHILLED WATER HEAT RECOVERY, CONDENSATE RETURN)
A MH101	SECTION I.D.
SD	SMOKE DAMPER
	STRAINER
	SUPPLY AIR
	SUPPLY AIR DUCT
	SUPPLY PIPING (HEATING WATER, CHILLED WATER HEAT RECOVERY, STEAM)
S P	SWITCH WITH PILOT LIGHT
	TAKE - OFF FROM BOTTOM OF PIPE
	TAKE - OFF FROM TOP OF PIPE
TS	TEMPERATURE SENSOR

	THERMOMETER
	THERMOMETER WELL
SD	DUCT MOUNTED SMOKE DETECTOR (BY DIVISION 16)
T	THERMOSTAT
T C	THERMOSTAT COOLING
T H	THERMOSTAT HEATING
T N	THERMOSTAT - NIGHT
T H/C	THERMOSTAT - HEATING/COOLING
T	THERMOSTATIC TRAP
S T	TIMER SWITCH
	UNION
S V	VARIABLE SPEED SWITCH W/OFF "POSITION"
VD	VOLUME DAMPER
	CONNECT TO EXISTING
	S (SUPPLY) R (RETURN) E (EXHAUST) T (TRANSFER)
	SUPPLY DIFFUSER (TYPE 2)
	DIFFUSER DESCRIPTION (SEE REG., GRILLES & DIFF SCHEDULE)
S2 3 / 400	QUANTITY
	400 CFM EA

Reviewed for Code Compliance
Inspections Division
Approved with Conditions

Date: 10/31/13

HARRIMAN

AUBURN PORTLAND MANCHESTER

GOULD RESTAURANT

PORTLAND, MAINE

Harriman Project No.	12752

Key Plan Proj North

Issues and Revisions

Mark	Date	Description
	05-31-13	ISSUED FOR CONSTRUCTION
	07-26-13	RE-ISSUED FOR CONSTRUCTION
	09-23-13	RE-ISSUED FOR CONSTRUCTION

STATE OF MAINE
CLIFTON W. GREIM
No. 6405
LICENSED
PROFESSIONAL ENGINEER

Drawing Scales
NO SCALE

PA / PE: CG
Drawn By: JSC

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LEGEND AND GENERAL NOTES

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