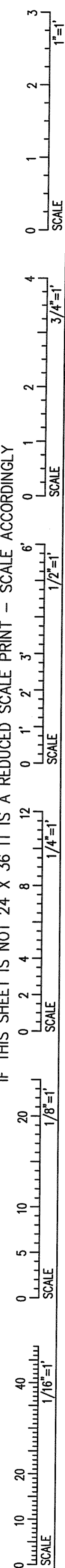


IF THIS SHEET IS NOT 24 X 36 IT IS A REDUCED SCALE PRINT - SCALE ACCORDINGLY



MECHANICAL LEGEND CONTROL SYSTEMS

SYMBOL	DESCRIPTION
	ANALOG INPUT
	ANALOG OUTPUT
	BINARY INPUT
	BINARY OUTPUT
	SWITCH
	HUMIDITY SENSOR OR SWITCH
	FLOW SENSOR OR SWITCH
	PRESSURE SENSOR OR SWITCH
	DIFFERENTIAL PRESSURE SENSOR OR SWITCH
	DUCT SMOKE DETECTOR
	DUCT HEAT DETECTOR
	LOW TEMPERATURE THERMOSTAT (FREEZE)
	LEVEL SENSOR OR SWITCH
	CO2 SENSOR
	AIR FLOW MEASURING STATION
	ELECTRICAL CURRENT SWITCH/SENSOR
	PNEUMATIC THERMOSTAT
	ELECTRIC THERMOSTAT
	WALL TEMP SENSOR
	DUCT/PIPE TEMP SENSOR
	WALL TEMP SENSOR W/ USER ADJUSTMENT (CONTROL DIAGRAM)
	WALL TEMP SENSOR W/ UNOCC. OVERRIDE (CONTROL DIAGRAM)
	WALL TEMP SENSOR W/ USER ADJ. & UNOCC. OVERRIDE (CONTROL DIAGRAM)
	RECESSED TAMPER-RESISTANT TEMPERATURE SENSOR (CONTROL DIAGRAM)
	AUTOMATIC CONTROL VALVE (TWO WAY GLOBE OR BALL)
	AUTOMATIC CONTROL VALVE (THREE WAY GLOBE OR BALL)
	MOTORIZED BUTTERFLY VALVE
	THREE WAY MOTORIZED BUTTERFLY VALVE
	SUPPLY FAN OR RETURN FAN
	COOLING COIL
	HEATING COIL
	FILTER
	OPPOSED BLADE DAMPER (CONTROL DIAGRAM)
	PARALLEL BLADE DAMPER (CONTROL DIAGRAM)
	GRAVITY DAMPER (CONTROL DIAGRAM)
	STARTER (CONTROL DIAGRAM)
	VARIABLE FREQUENCY DRIVE (CONTROL DIAGRAM)
	FINNED TUBE RADIATION (CONTROL DIAGRAM)
	RADIANT CEILING PANEL (CONTROL DIAGRAM)

MECHANICAL LEGEND AIR SYSTEMS

SYMBOL	DESCRIPTION
	SUPPLY DUCT UP
	SUPPLY DUCT DOWN
	RETURN OR EXHAUST DUCT UP
	RETURN OR EXHAUST DUCT DN.
	EXISTING DUCT (SINGLE LINE)
	EXISTING DUCT (DOUBLE LINE)
	NEW DUCT (SINGLE LINE)
	NEW DUCT (DOUBLE LINE)
	ACOUSTICALLY LINED DUCT (SINGLE LINE)
	ACOUSTICALLY LINED DUCT (DOUBLE LINE)
	DUCT TO BE REMOVED (SINGLE LINE)
	DUCT TO BE REMOVED (DOUBLE LINE)
	FLUSH CAP, SINGLE LINE
	SUPPLY DIFFUSER
	RETURN/EXHAUST GRILLE
	LINEAR DIFFUSER
	SUPPLY AIR FLOW
	RETURN/EXHAUST AIR FLOW
	LOUVER DOOR (SIZE AS NOTED)
	UNDER CUT DOOR
	REHEAT COIL
	VARIABLE AIR VOLUME BOX
	VARIABLE AIR VOLUME W/ REHEAT COIL
	VARIABLE AIR VOLUME W/SOUND ATTENUATOR
	VARIABLE AIR VOLUME W/ATTEN. & REHEAT
	LABORATORY AIR FLOW VALVE
	LABORATORY AIR FLOW VALVE W/ REHEAT COIL
	VOLUME DAMPER (PLAN VIEW)
	FIRE DAMPER (PLAN VIEW)
	GRAVITY DAMPER (PLAN VIEW)
	SMOKE DAMPER (PLAN VIEW)
	FIRE SMOKE DAMPER (PLAN VIEW)
	AUTOMATIC CONTROL DAMPER (PLAN VIEW)
	HUMIDIFIER

MECHANICAL LEGEND PIPING SYSTEMS

SYMBOL	DESCRIPTION
	BALL VALVE
	BUTTERFLY VALVE
	BALANCE VALVE
	CHECK VALVE
	STRAINER
	MULTI-PURPOSE VALVE
	GATE VALVE
	OUTSIDE SCREW & YOKE GATE VALVE (OS&Y)
	PUMP
	THERMOMETER
	FINNED TUBE RADIATION
	PRESSURE GAUGE
	PRESSURE RELIEF VALVE
	PRESSURE REDUCING VALVE
	FLOAT & THERMOSTATIC TRAP ASSEMBLY
	INVERTED BUCKET TRAP ASSEMBLY
	AIR VENT (MANUAL OR AUTO.)
	BRANCH OFF TOP OF MAIN
	BRANCH OFF BOTTOM OF MAIN
	ELBOW, TURNED DOWN
	ELBOW, TURNED UP
	PIPING TO BE REMOVED
	DOMESTIC WATER MAKE UP
	HWS
	HWR
	HGS
	HGR
	RHWS
	RHWR
	CHWS
	CHWR
	CHGS
	CHGR
	DTWS
	DTWR
	DTGS
	DTGR
	CWS
	CWR
	RL
	RG
	RS
	C
	HRS
	HRR
	HPS
	HPC
	MPS
	MPC
	LPS
	LPC
	CPD
	FOS
	FOR
	A
	G
	EXP
	EXP GUIDE
	X

MECHANICAL LEGEND TERMINAL UNIT TAGS

DIFFUSER TAG

DIFFUSER TYPE PER SCHEDULE
CFM

RECTANGULAR NECK SIZE
H-200 12X12

ROUND NECK SIZE
A-350 10

NOTE: ALL DIMENSIONS ARE IN INCHES

VAV TAG

VAV TYPE PER SCHEDULE

"H" REHEAT COIL DESIGNATION
VAV-B 600
VAV-BH 600
VAV CFM

FCU TAG (WHEN SHOWN AS A TYPE)

FAN COIL UNIT

TYPE PER SCHEDULE
FCU-A 650
FCU CFM

CUH TAG (WHEN SHOWN AS A TYPE)

CABINET UNIT HEATER

TYPE PER SCHEDULE
CUH-A

RADIATION TAG

RADIANT CEILING PANEL

TYPE PER SCHEDULE
RCP-1 20'-10"
LENGTH

FIN TUBE RADIATION

TYPE PER SCHEDULE
FTN-1 10'-0"
ACTIVE LENGTH

LEGEND NOTE

THESE ARE THE GENERAL LEGENDS OF SYMBOLS AND ABBREVIATIONS, AND SHALL BE USED AS A DICTIONARY TO DEFINE ITEMS INDICATED ON DRAWINGS. NOT ALL SYMBOLS OR ABBREVIATIONS DEFINED ARE NECESSARILY USED ON THIS PROJECT.

MECHANICAL LEGEND ABBREVIATIONS & GENERAL SYMBOLS

SYMBOL	DESCRIPTION
AFF	ABOVE FINISHED FLOOR
AHU	AIR HANDLING UNIT
CA	COMBUSTION AIR
CUH	CABINET UNIT HEATER
EA	EXHAUST AIR
EF	EXHAUST FAN
FCU	FAN COIL UNIT
FTR	FINNED TUBE RADIATION
HRU	HEAT RECOVERY UNIT
HWC	HOT WATER COIL
MAU	MAKE-UP AIR UNIT
OA	OUTSIDE AIR
RA	RETURN AIR
RHC	REHEAT COIL
RTU	ROOFTOP UNIT
SA	SUPPLY AIR
SATT	SOUND ATTENUATOR
UH	UNIT HEATER
VFD	VARIABLE FREQUENCY DRIVE
	DEMOLITION WORK: POINT OF REMOVAL
	NEW WORK: POINT OF ATTACHMENT

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BECKER structural engineers, inc.

SYTDDesign CONSULTANTS
CIVIL ENGINEERING & LANDSCAPE ARCHITECTURE

ALLIED/COOK CONSTRUCTION

Favreau

Titan Mechanical, Inc.
Process Build Engineering Mechanical Contracting

UNIVERSITY OF NEW ENGLAND COLLEGE OF PHARMACY
716 STEVENS AVENUE, PORTLAND, ME

DATE	DESCRIPTION
	BID SET
Date Issued	02/08/08
Project Number	06506

SHEET NAME
MECHANICAL LEGENDS

Drawn By
AMM

Checked By
DWM/FBH

MO.1

BID SET - NOT FOR CONSTRUCTION