

GENERAL NOTES

1. CODE PERMITS AND INSPECTIONS

1.1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH LATEST APPLICABLE CODES, REGULATIONS AND STANDARDS. CONTRACTOR SHALL OBTAIN AND PAY FOR ALL NECESSARY PERMITS AND SHALL ARRANGE FOR ALL INSPECTIONS BY AUTHORITIES HAVING JURISDICTION.

1.2. PERFORM ALL WORK IN ACCORDANCE WITH THE FOLLOWING CODES AND STANDARDS:

1.2.A. NEW YORK STATE MECHANICAL CODE:2020

1.2.B. NEW YORK STATE FUEL GAS CODE:2020

1.2.C. NEW YORK STATE FIRE CODE:2020

1.2.D. NEW YORK STATE BUILDING CODE:2020

1.2.E. NEW YORK STATE ENERGY CONSERVATION CODE:2020

1.2.F. NEW YORK STATE PLUMBING CODE:2020

1.2.G. NEW YORK STATE EXISTING BUILDING CODE2020

1.2.H. ASHRAE STANDARD90.1.2016

1.2.I. SMACNA DUCT CONSTRUCTION STANDARDS:LATEST EDITIONS

1.3. CONTRACTOR SHALL COMPLY WITH ALL OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) AND ENVIRONMENTAL PROTECTION AGENCY (EPA) REQUIREMENTS

2. HVAC DESIGN PARAMETERS

1. INDOOR CONDITION:

SUMMER75°F DB/50%RH

WINTER:70°F DB

2. OUTDOOR CONDITION:

SUMMER:89°F DB/ 77° FWB

WINTER:9° F DB

3. MINIMUM OUTDOOR AIR SUPPLY BASED ON CHAPTER 4 "VENTILATION" IN 2020 NEW YORK STATE MECHANICAL CODE.

SYMBOLS

(E)12x10

EXISTING DUCTWORK OR EQUIPMENT TO REMAIN

(D)12x10

DUCTWORK TO BE REMOVED OR EQUIPMENT TO BE REMOVED

12x10

NEW DUCT (1ST DIMENSION INDICATES TOP SHOWN, INSIDE CLEAR DIMENSIONS)

12x10

DUCTWORK WITH SOUND LINING (DIMENSION INDICATES INSIDE CLEAR DIMENSIONS)

DUCT WORK WITH TRANSITION

RECTANGULAR/SQUARE DUCT TO ROUND DUCT SIZE TRANSITION

MANUAL VOLUME DAMPER

FIRE DAMPER

SUPPLY AIR DUCT TO RISE UP

SUPPLY AIR DUCT TO DROP DOWN

RETURN AIR DUCT TO RISE UP

RETURN AIR DUCT TO DROP DOWN

EXHAUST DUCT TO RISE UP

EXHAUST DUCT TO DROP DOWN

ELBOW WITH TURNING VANES

SUPPLY AIR DEVICE

RETURN OR EXHAUST AIR DEVICE

EX-HAUST AIR DEVICE

DUCTWORK WITH DUCT BRANCH

DUCTWORK WITH ROUND DUCT TAKE-OFF

OPEN END DUCT WITH CAP

ROUND DUCT TO RISE UP

ROUND DUCT TO DROP DOWN

FLEXIBLE ROUND DUCT

SIDE WALL GRILLE

CEILING SUPPLY AIR DIFFUSER

LINEAR SLOT DIFFUSER

RETURN AIR GRILLE OPEN TO CEILING

EX-HAUST AIR GRILLE

EXISTING THERMOSTAT

NEW THERMOSTAT

DUCT MOUNTED SMOKE DETECTOR

UNDER CUT DOOR, 3/4" CLEAR

LOUVER DOOR

TIMER SWITCH WITH HOLD-ON OPTION.

RS REFRIGERANT SUCTION

RL REFRIGERANT LIQUID

HWS HOT WATER SUPPLY

HWR HOT WATER RETURN

KEYED DRAWING NOTE

EQUIPMENT DESIGNATION TAG

AIR VOLUME IN CFM

AIR DEVICE TAG

DIFFUSER TYPE

AIR VOLUME IN CFM

POINT OF DEMOLITION

POINT OF CONNECTION

SECTION NUMBER

SHEET NUMBER

NOTE: ALL SYMBOLS MAY NOT APPEAR ON THE DRAWINGS.

ABBREVIATIONS

ACAIR CONDITIONING UNIT

ACCUAIR COOLED CONDENSING UNIT

AFFABOVE FINISHED FLOOR

AHUAIR HANDLING UNIT

APACCESS PANEL

APDAIR PRESSURE DROP

ARCAIR CURTAIN

ARCHARCHITECTURAL

BASBUILDING AUTOMATION SYSTEM

BDDBACKDRAFT DAMPER

BHPBRAKE HORSE POWER

BLDGBUILDING

BLWBELOW

BODBASIS OF DESIGN

BTUHBRTISH THERMAL UNIT PER HOUR

CCCOOLING COIL

CDCONDENSATE DRAIN

CDCEILING DIFFUSER

CFMCUBIC FEET PER MINUTE

CHCHILLER

CLGCEILING

CSCURRENT SWITCH

CUCONDENSING UNIT

CWRCHILLED WATER RETURN

CHSCHILLED WATER SUPPLY

DDEMOLITION

DBDRY BULB

DDCDIRECT DIGITAL CONTROL

DI DIGITAL INPUT

DIA DIAMETER

DN DOWN

DO DIGITAL OUTPUT

DOASDEDICATED OUTSIDE AIR SYSTEM

DPSDIFFERENTIAL PRESSURE SWITCH

DWGDRAWING

(E)EXISTING TO REMAIN

(ER)EXISTING TO RELOCATE

EAXHAUST AIR

EATENTERING AIR TEMPERATURE

EFEXHAUST FAN

EGEXHAUST GRILLE

ESPEXTERNAL STATIC PRESSURE

EJHELECTRIC UNIT HEATER

EERENERGY EFFICIENCY RATING

FFAHRENHEIT

FCUFAN COIL UNIT

FD FIRE DAMPER

FL FLOOR

FPMFEET PER MINUTE

FT FEET

FZFREEZE STAT

GPMGALLONS PER MINUTE

HCHEATING COIL

HGRC HOT GAS REHEAT COIL

HPHORSE POWER

HRHOUR

HS HUMIDITY SENSOR

HWRHOT WATER RETURN

HWSHOT WATER SUPPLY

ININCH

KWKILOWATT

LANLOCAL AREA NETWORK

LATLEAVING AIR TEMPERATURE

LBSPOUNDS

LF LINEAR FEET

LRO LINEAR RETURN DIFFUSER

LSD LINEAR SUPPLY DIFFUSER

LWTLEAVING WATER TEMPERATURE

MAXMAXIMUM

MECHMECHANICAL

MINMINIMUM

MOCPMAXIMUM OVER CURRENT PROTECTION

MTDMOUNTED

MCUMODE CONTROL UNIT

NCNOISE CRITERIA

NOMNOMINAL

No. NUMBER

OAOUTDOOR AIR

P PUMP

PD PRESSURE DROP

PS PRESSURE SENSOR

RRELOCATE

RARETURN AIR

RAD RADIATOR

RDRURN DIFFUSER

RFRETURN FAN

RGRETURN GRILLE

RLARELIEF AIR

RLFRELIEF FAN

RPMREVOLUTION PER MINUTE

RTUROOF TOP UNIT

RWSREHEAT WATER SUP.

RWRREHEAT WATER RET.

SASUPPLY AIR

SATSUPPLY AIR TEMPERATURE

SDSMOKE DETECTOR

SFSUPPLY FAN

SGSUPPLY GRILLE

SPSTATIC PRESSURE

T THERMOSTAT

TS TEMPERATURE SENSOR

TYP TYPICAL

VAVVARIABLE AIR VOLUME

VDVOLUME DAMPER

VFDVARIABLE FREQUENCY DRIVE

VRFVARIABLE REFRIGERANT FLOW

WWATT

WBWET BULB

WCWATER COLUMN

WWITH

W/OWITHOUT

WMSWIRE MESH SCREEN

NOTE: ALL ABBREVIATIONS MAY NOT APPEAR ON THE DRAWINGS.

MECHANICAL DRAWING LIST

SHEET	DRAWING	TITLE
1	M-001.00	GENERAL NOTES, SYMBOLS & ABBREVIATIONS
2	M-101.00	MUSICAL INSTRUCTIONAL FACILITIES - MECHANICAL PLANS
3	M-102.00	DANCE INSTRUCTIONAL FACILITIES - MECHANICAL PLANS
4	M-103.00	PHYSICAL EDUCATION - MECHANICAL PLANS
5	M-104.00	LIBRARY BUILDING - MECHANICAL PLANS
6	M-601.00	MECHANICAL SCHEDULES AND DETAILS

RESTROOM RENOVATION

PURCHASE COLLEGE

STATE UNIVERSITY OF NEW YORK

735 Anderson Hill Rd.
Purchase, NY 10577

PHASE 2:

MUSIC BUILDING

DANCE BUILDING

PHYS. ED. BUILDING

LIBRARY

Conditions

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GENERAL NOTES, SYMBOLS & ABBREVIATIONS

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CHK ByBS

ScaleAS NOTED

DOB Rev

M-001.00

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Original drawing size is 24"x36"; Scale entities accordingly if reduced/enlarged.

M SHEET 01 OF 06