AFF	ABOVE FINISHED FLOOR
BCU	BUILDING CONTROL UNIT
BTU	BRITISH THERMAL UNIT
CFH	CUBIC FEET PER HOUR
CFM	CUBIC FEET PER MINUTE
CLG	CEILING
COMM.	COMMUNICATION
CV	CONTROL VALVE
(D)	DEMOLISH
DB	DRY BULB
DCV	DEMAND CONTROLLED VENTILATION
DEG. F	DEGREES FAHRENHEIT DIAMETER
DX	DIRECT EXPANSION
'E'	ELECTRICAL CONTRACTOR
(E)	EXISTING
EA	EACH
EAT	ENTERING AIR TEMPERATURE
EER	ENERGY EFFICIENCY RATING
ESP	EXTERNAL STATIC PRESSURE
FAI	FRESH AIR INTAKE
FD	FLOOR DRAIN
FLA	FULL LOAD AMPS
FT. H20	FEET OF WATER
'G'	GENERAL CONSTRUCTION CONTRACTOR
GPM	GALLONS PER MINUTE
GPH	GALLONS PER HOUR
Н	HEIGHT
'H'	HVAC CONTRACTOR
HP	HORSEPOWER INCHES
IN. W.C. (W.G.)	INCHES INCHES WATER COLUMN (WATER GAUGE)
KW	KILOWATTS
I	LENGTH
LAT	LEAVING AIR TEMPERATURE
LBS	POUNDS
LCD	LIQUID CRYSTAL DISPLAY
LDB	LEAVING DRY BULB TEMPERATURE
LPR	STEAM CONDENSATE RETURN
LPS	LOW PRESSURE STEAM
LWB	LEAVING WET BULB TEMPERATURE
LWT	LEAVING WATER TEMPERATURE
M	METER
MAX	MAXIMUM
MBH	1,000 BTU PER HOUR
MCA	MINIMUM CIRCUIT AMPACITY
MIN	MINIMUM
N.C.	MANUFACTURER NORMALLY CLOSED
N.O.	NORMALLY OPEN
NFPA	NATIONAL FIRE PROTECTION ASSOCIATIO
NPT	NATIONAL PIPE THREAD
NTS	NOT TO SCALE
OAI	OUTDOOR AIR INTAKE
OD	OUTER DIAMETER
OED	OPEN ENDED DUCT
'P'	PLUMBING CONTRACTOR
(P)	PROPOSED
PD	PRESSURE DROP
PSIG	LBS / SQUARE INCH (GAUGE PRESSURE)
RD	ROOF DRAIN
RPM	REVOLUTIONS PER MINUTE
RPZ	REDUCED PRESSURE ZONE
SAT	SUPPLY AIR TEMPERATURE
SEER	SEASONAL ENERGY EFFICIENCY RATING
TEMP	TEMPERATURE
TG	TRANSFER GRILLE
TYP	TYPICAL TYPICAL
	VARIABLE FREQUENCY DRIVE
VFD	MUDTH
WB VFD	WIDTH WET BULB

VD  CD  SEE AIR DEVICE SCHEDULE  SEE AIR DEVICE SCHEDULE  FC  AL  SEE AIR DEVICE SCHEDULE	DUCTWORK BRANCH CONNECTION  VOLUME DAMPER  ROUND FACE SUPPLY DIFFUSER  SIDEWALL SUPPLY, RETURN OR EXHAUST GRILLE/REGIST  SQUARE FACE SUPPLY DIFFUSER  BOTTOM RETURN OR EXHAUST GRILLE/REGISTER  FLEXIBLE CONNECTION  TURNING VANES  RECTANGULAR TO ROUND TRANSITION  ACOUSTICAL LINING  END CAP  SUPPLY DIFFUSER WITH DIRECTIONAL FLOW (SOLID HATCH INDICATES BLANK OFF PANEL)  SUPPLY DUCT DROP (TURN DOWN)  RETURN/EXHAUST DUCT DROP (TURN DOWN)
SEE AIR DEVICE SCHEDULE  SEE AIR DEVICE SCHEDULE  SEE AIR DEVICE SCHEDULE  FC  AL  SEE AIR DEVICE SCHEDULE	ROUND FACE SUPPLY DIFFUSER  SIDEWALL SUPPLY, RETURN OR EXHAUST GRILLE/REGISTI  SQUARE FACE SUPPLY DIFFUSER  BOTTOM RETURN OR EXHAUST GRILLE/REGISTER  FLEXIBLE CONNECTION  TURNING VANES  RECTANGULAR TO ROUND TRANSITION  ACOUSTICAL LINING  END CAP  SUPPLY DIFFUSER WITH DIRECTIONAL FLOW (SOLID HATCH INDICATES BLANK OFF PANEL)  SUPPLY DUCT DROP (TURN DOWN)  RETURN/EXHAUST DUCT DROP (TURN DOWN)
SEE AIR DEVICE SCHEDULE  SEE AIR DEVICE SCHEDULE  SEE AIR DEVICE SCHEDULE  FC  AL  SEE AIR DEVICE SCHEDULE	SIDEWALL SUPPLY, RETURN OR EXHAUST GRILLE/REGISTIC SQUARE FACE SUPPLY DIFFUSER  BOTTOM RETURN OR EXHAUST GRILLE/REGISTER  FLEXIBLE CONNECTION  TURNING VANES  RECTANGULAR TO ROUND TRANSITION  ACOUSTICAL LINING  END CAP  SUPPLY DIFFUSER WITH DIRECTIONAL FLOW (SOLID HATCH INDICATES BLANK OFF PANEL)  SUPPLY DUCT DROP (TURN DOWN)  RETURN/EXHAUST DUCT DROP (TURN DOWN)
DEVICE SCHEDULE  SEE AIR DEVICE SCHEDULE  SEE AIR DEVICE SCHEDULE  FC  AL  SEE AIR DEVICE	BOTTOM RETURN OR EXHAUST GRILLE/REGISTER  FLEXIBLE CONNECTION  TURNING VANES  RECTANGULAR TO ROUND TRANSITION  ACOUSTICAL LINING  END CAP  SUPPLY DIFFUSER WITH DIRECTIONAL FLOW (SOLID HATCH INDICATES BLANK OFF PANEL)  SUPPLY DUCT DROP (TURN DOWN)  RETURN/EXHAUST DUCT DROP (TURN DOWN)
DEVICE SCHEDULE  SEE AIR DEVICE SCHEDULE  FC  AL  SEE AIR DEVICE	BOTTOM RETURN OR EXHAUST GRILLE/REGISTER  FLEXIBLE CONNECTION  TURNING VANES  RECTANGULAR TO ROUND TRANSITION  ACOUSTICAL LINING  END CAP  SUPPLY DIFFUSER WITH DIRECTIONAL FLOW (SOLID HATCH INDICATES BLANK OFF PANEL)  SUPPLY DUCT DROP (TURN DOWN)  RETURN/EXHAUST DUCT DROP (TURN DOWN)
DEVICE SCHEDULE FC  AL  SEE AIR DEVICE	FLEXIBLE CONNECTION  TURNING VANES  RECTANGULAR TO ROUND TRANSITION  ACOUSTICAL LINING  END CAP  SUPPLY DIFFUSER WITH DIRECTIONAL FLOW (SOLID HATCH INDICATES BLANK OFF PANEL)  SUPPLY DUCT DROP (TURN DOWN)  RETURN/EXHAUST DUCT DROP (TURN DOWN)
AL SEE AIR DEVICE	TURNING VANES  RECTANGULAR TO ROUND TRANSITION  ACOUSTICAL LINING  END CAP  SUPPLY DIFFUSER WITH DIRECTIONAL FLOW (SOLID HATCH INDICATES BLANK OFF PANEL)  SUPPLY DUCT DROP (TURN DOWN)  RETURN/EXHAUST DUCT DROP (TURN DOWN)
SEE AIR DEVICE	RECTANGULAR TO ROUND TRANSITION  ACOUSTICAL LINING  END CAP  SUPPLY DIFFUSER WITH DIRECTIONAL FLOW (SOLID HATCH INDICATES BLANK OFF PANEL)  SUPPLY DUCT DROP (TURN DOWN)  RETURN/EXHAUST DUCT DROP (TURN DOWN)
SEE AIR DEVICE	ACOUSTICAL LINING  END CAP  SUPPLY DIFFUSER WITH DIRECTIONAL FLOW (SOLID HATCH INDICATES BLANK OFF PANEL)  SUPPLY DUCT DROP (TURN DOWN)  RETURN/EXHAUST DUCT DROP (TURN DOWN)
SEE AIR DEVICE	END CAP  SUPPLY DIFFUSER WITH DIRECTIONAL FLOW (SOLID HATCH INDICATES BLANK OFF PANEL)  SUPPLY DUCT DROP (TURN DOWN)  RETURN/EXHAUST DUCT DROP (TURN DOWN)
DEVICE	SUPPLY DIFFUSER WITH DIRECTIONAL FLOW (SOLID HATCH INDICATES BLANK OFF PANEL)  SUPPLY DUCT DROP (TURN DOWN)  RETURN/EXHAUST DUCT DROP (TURN DOWN)
DEVICE	(SOLID HATCH INDICATES BLANK OFF PANEL)  SUPPLY DUCT DROP (TURN DOWN)  RETURN/EXHAUST DUCT DROP (TURN DOWN)
	RETURN/EXHAUST DUCT DROP (TURN DOWN)
	SUPPLY DUCT RISE
	RETURN/EXHAUST DUCT RISE
DSD	DUCT SMOKE DETECTOR
MD	MOTORIZED DAMPER WITH ACTUATOR
AD	ACCESS DOOR
FD/AD	FIRE DAMPER WITH ACCESS DOOR
FSD/AD	FIRE SMOKE DAMPER WITH ACCESS DOOR
	FAN
	WORK TO BE REMOVED
	POINT OF DISCONNECTION FROM EXISTING
	POINT OF CONNECTION TO EXISTING
ABBREV	
	FSD/AD

CONTROLS LECEND		
CONTROLS LEGEND		
SYMBOL	ABBREV	DESCRIPTION
©		CARBON MONOXIDE SENSOR
T		THERMOSTAT
S		DIGITAL TEMPERATURE SENSOR
Э		HUMIDITY SENSOR
@		CARBON DIOXIDE SENSOR
P		PRESSURE SENSOR

PING LEGEND  SYMBOL	ABBREV	DESCRIPTION
	ADDITE	NEW WORK
C— O—		PIPING DOWN/ PIPING UP
		BALL VALVE WITH HOSE END CONNECTION
	тн	THERMOMETER
	U	UNION
	FPC	FLEXIBLE PIPE CONNECTION
		DIRECTION OF FLOW
<u>一</u> 於 一 <u> </u>	PSR	PRESSURE SAFETY AND RELIEF VALVE
	PRV	PRESSURE REDUCING VALVE
<u> </u>	BV	BALL VALVE
<b>──©─ ⋈</b>	ВА	BALANCING VALVE
√ ————————————————————————————————————	BFV	BUTTERFLY VALVE
<b>_</b> 1		TEMPERATURE SENSOR WITH THERMOWELL
$\longrightarrow$	GA	GATE VALVE
	GB	GLOBE VALVE
<b></b>	AV	AUTOMATIC AIR VENT
— <del>—</del> ——————————————————————————————————	cv	2-WAY ELECTRONIC CONTROL VALVE
——————————————————————————————————————	cv	3-WAY ELECTRONIC CONTROL VALVE
<b>→</b> \$ <b>—</b>	cv	2-WAY PNEUMATIC CONTROL VALVE
——————————————————————————————————————	cv	3-WAY PNEUMATIC CONTROL VALVE
	STR	STRAINER WITH BLOW OFF VALVE WITH HOSE END CONNECTION
<b>* * * *</b>	FD	FLOOR DRAIN
S F&T		AIR SEPARATOR
—————————————————————————————————————		STEAM TRAPS (INDICATE TYPE)
	СН	CHECK VALVE
<u> </u>	PG	PRESSURE GAUGE WITH GAUGE COCK
<u>—D—</u>	RED	REDUCER
<u> </u>	со	CLEANOUT END CAP
		PIPE GUIDE
<del></del>		PIPE ANCHOR
		CAPPED PIPE
		PUMP
· <del>/////</del> ,		WORK TO BE REMOVED
•		POINT OF DISCONNECTION FROM EXISTING
•		POINT OF CONNECTION TO EXISTING
444	TDV	TRIPLE DUTY VALVE

### **GENERAL NOTES**

- 1. PROVIDE ALL MATERIALS AND EQUIPMENT AND PERFORM ALL LABOR REQUIRED TO INSTALL COMPLETE AND OPERABLE MECHANICAL SYSTEMS AS INDICATED ON THE DRAWINGS, AS SPECIFIED AND AS REQUIRED BY CODE.
- 2. THE CONTRACTOR, BY PRESENTING THEIR BID FOR THE WORK, REPRESENTS THAT HE/SHE HAS INSPECTED THE SITE AND IS COMPLETELY FAMILIAR WITH THE SCOPE OF WORK AND ALL FIELD CONDITIONS RELATED TO, AND AFFECTING THE WORK AND ITS PERFORMANCE, OR CONFLICTS BETWEEN FIELD CONDITIONS, SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT PRIOR TO THE SUBMISSION OF BIDS.
- 3. PERFORM ALL WORK IN ACCORDANCE WITH THE PLUMBING CODE, FIRE CODE, MECHANICAL CODE, ENERGY CONSERVATION CONSTRUCTION CODE, AND FUEL GAS CODE OF NEW YORK STATE AND THE REQUIREMENTS OF THE LOCAL AUTHORITIES HAVING JURISDICTION.
- 4. COMPLY WITH THE NATIONAL ELECTRIC CODE AND THE REQUIREMENTS OF DIVISION 26 FOR ALL ELECTRICAL
- 5. FIRE STOP ALL OPENINGS IN FIRE RATED CONSTRUCTION FOR PIPING, DUCTWORK, CONDUIT, ETC. PROVIDE FIRE DAMPERS AND ACCESS DOORS IN ALL OPENINGS IN FIRE RATED FLOORS, PARTITIONS, AND WALLS FOR DUCTWORK AS PER THE MECHANICAL CODE OF NEW YORK STATE. (SEE ARCHITECTURAL DRAWINGS FOR LOCATIONS OF FIRE RATED CONSTRUCTION.)
- 6. DO NOT SCALE DRAWINGS. DRAWINGS FOR HVAC WORK ARE DIAGRAMMATIC AND ARE INTENDED TO CONVEY SCOPE AND GENERAL ARRANGEMENT ONLY. THE LOCATIONS OF ALL ITEMS SHOWN ON THE DRAWINGS OR CALLED FOR IN THE SPECIFICATIONS THAT ARE NOT DEFINITELY FIXED BY DIMENSIONS ARE APPROXIMATE. COORDINATE CONTRACT DOCUMENTS, PROJECT REQUIREMENTS, WORK OF OTHERS, AND EQUIPMENT AND MATERIALS PURCHASED WITH FIELD DIMENSIONS. INSTALL ALL EQUIPMENT AS PER MANUFACTURER'S REQUIREMENTS TO PROVIDE PROPER CLEARANCE FOR INSTALLATION, OPERATION, AND MAINTENANCE. CONTRACTOR'S INTENDED MEANS AND METHODS OF INSTALLATION AND CONTRACTOR'S FABRICATED ITEMS SHALL ENSURE A PROPER "FIT" AND INSTALLATION. BRING ANY CONFLICTS TO THE ATTENTION OF THE ARCHITECT/ENGINEER DURING THE SUBMITTAL PHASE FOR RESOLUTION PRIOR TO PURCHASING ANY
- 7. MAINTAIN MAXIMUM HEADROOM AND SPACE CONDITIONS AT ALL POINTS. WHERE HEADROOM AND SPACE CONDITIONS APPEAR INADEQUATE, NOTIFY THE ARCHITECT/ENGINEER PRIOR TO PROCEEDING WITH INSTALLATION. MAINTAIN A MINIMUM OF 6'-8" CLEARANCE FROM FINISHED FLOOR TO UNDERSIDE OF PIPES, DUCTS, CONDUITS, SUSPENDED EQUIPMENT, ETC., THROUGHOUT ACCESS ROUTES IN MECHANICAL ROOMS.
- 8. FIELD VERIFY AND COORDINATE ALL DUCT AND PIPING DIMENSIONS BEFORE FABRICATION. MAKE MODIFICATIONS IN THE LAYOUT AS NEEDED TO PREVENT CONFLICT WITH WORK OF OTHER TRADES OR FOR PROPER EXECUTION OF THE WORK. OBTAIN THE APPROVAL OF THE ARCHITECT/ENGINEER FOR MODIFICATIONS.
- 9. PROVIDE PRODUCTS OF ONE MANUFACTURER WHERE TWO OR MORE ITEMS OF THE SAME TYPE OF MATERIAL OR EQUIPMENT IS REQUIRED.
- 10. INSTALL ALL EQUIPMENT AND APPURTENANCES IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS, CONTRACT DOCUMENTS, AND APPLICABLE CODES AND REGULATIONS. REFER TO DETAILS FOR ADDITIONAL PIPING AND EQUIPMENT INSTALLATION REQUIREMENTS.
- 11. LOCATE ALL TEMPERATURE, PRESSURE, AND FLOW MEASURING DEVICES IN ACCESSIBLE LOCATIONS WITH STRAIGHT SECTION OF PIPE OR DUCT UP- AND DOWNSTREAM AS RECOMMENDED BY THE MANUFACTURER TO ENSURE MANUFACTURER CERTIFIED ACCURACY.
- 12. COORDINATE ALL EQUIPMENT CONNECTIONS WITH MANUFACTURER'S CERTIFIED DRAWINGS. COORDINATE AND PROVIDE ALL PIPING AND DUCT TRANSITIONS REQUIRED FOR FINAL CONNECTIONS TO EQUIPMENT.
- 13. COORDINATE LOCATIONS AND SIZES OF ALL FLOOR, WALL, AND ROOF OPENINGS WITH ALL OTHER TRADES. COORDINATE ALL PIPING AND EQUIPMENT SUPPORTED FROM STRUCTURE WITH GENERAL CONSTRUCTION
- 14. COORDINATE INSTALLATION OF SUPPLY AND RETURN GRILLES WITH INSTALLATION OF FINISHED CEILINGS.
- 15. COMPLETE ALL PRESSURE TESTS BEFORE ANY MECHANICAL EQUIPMENT, DUCTWORK, OR PIPING INSULATION IS
- 16. TESTING, ADJUSTING, AND BALANCING AGENCY SHALL BE A MEMBER OF THE ASSOCIATED AIR BALANCE COUNCIL (AABC) OR THE NATIONAL ENVIRONMENTAL BALANCING BUREAU (NEBB). PERFORM ALL TESTING, ADJUSTING, AND BALANCING IN ACCORDANCE WITH THE SPECIFICATIONS.
- 17. MAKE ALL ATTACHMENTS TO JOISTS, TRUSSES, OR JOIST GIRDERS AT PANEL POINTS. PROVIDE BEAM CLAMPS MEETING MSS STANDARDS. THE USE OF C-CLAMPS IS NOT PERMITTED.
- 18. PROVIDE CONCRETE PADS A MINIMUM OF 6 INCHES HIGH FOR ALL FLOOR MOUNTED EQUIPMENT. EXTEND PAD 4
- 19. INTERNALLY LINE ALL SUPPLY AND RETURN DUCTWORK WITHIN 20 FEET UPSTREAM AND DOWNSTREAM OF FANS WITH 1" THICK INSULATION. INTERNALLY LINED DUCTWORK MEETING THIS REQUIREMENT SHALL ALSO BE PROVIDED WITH EXTERNALLY APPLIED INSULATION AS REQUIRED BY THE SPECIFICATIONS. SEE SPECIFICATION
- 20. PROVIDE TRAPPED DRAIN PIPING FROM DRAIN PANS OF ALL COOLING COILS, FANS, AND OTHER ACTIVE DRAINS EXPOSED TO SYSTEM AIR STREAM. PROVIDE TRAP AT CONNECTION, WATER SEAL DEPTH 1 INCH GREATER THAN UNIT OPERATING PRESSURE. DIRECT DRAINS TO NEAREST FLOOR DRAIN, MOP SINK, OR OTHER LOCATION APPROVED BY THE ARCHITECT/ENGINEER.
- 21. INSTALL PIPING, DUCTWORK, AND CONDUIT CONCEALED IN AREAS HAVING HUNG CEILINGS AND/OR FURRED SPACES UNLESS OTHERWISE INDICATED ON THE DRAWINGS.

### LEGENDS/ABBREVIATIONS NOTES

INCHES BEYOND THE EQUIPMENT ON ALL SIDES.

SECTION 230719 FOR ADDITIONAL REQUIREMENTS.

1. ABBREVIATIONS AND SYMBOLS ON THIS SHEET DO NOT DEFINE THE SCOPE OF WORK.



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	IRSD1903		FEB 2	2022	AS SHOWN				

# Irvington Union Free School District

Facilities Storage Building at Irvington Campus



Irvington Campus 40 N. Broadway Irvington, NY 10533

SED Number:66-04-02-02-2-022-001

CONTRACT

CONTRACT G
GENERAL CONSTRUCTION

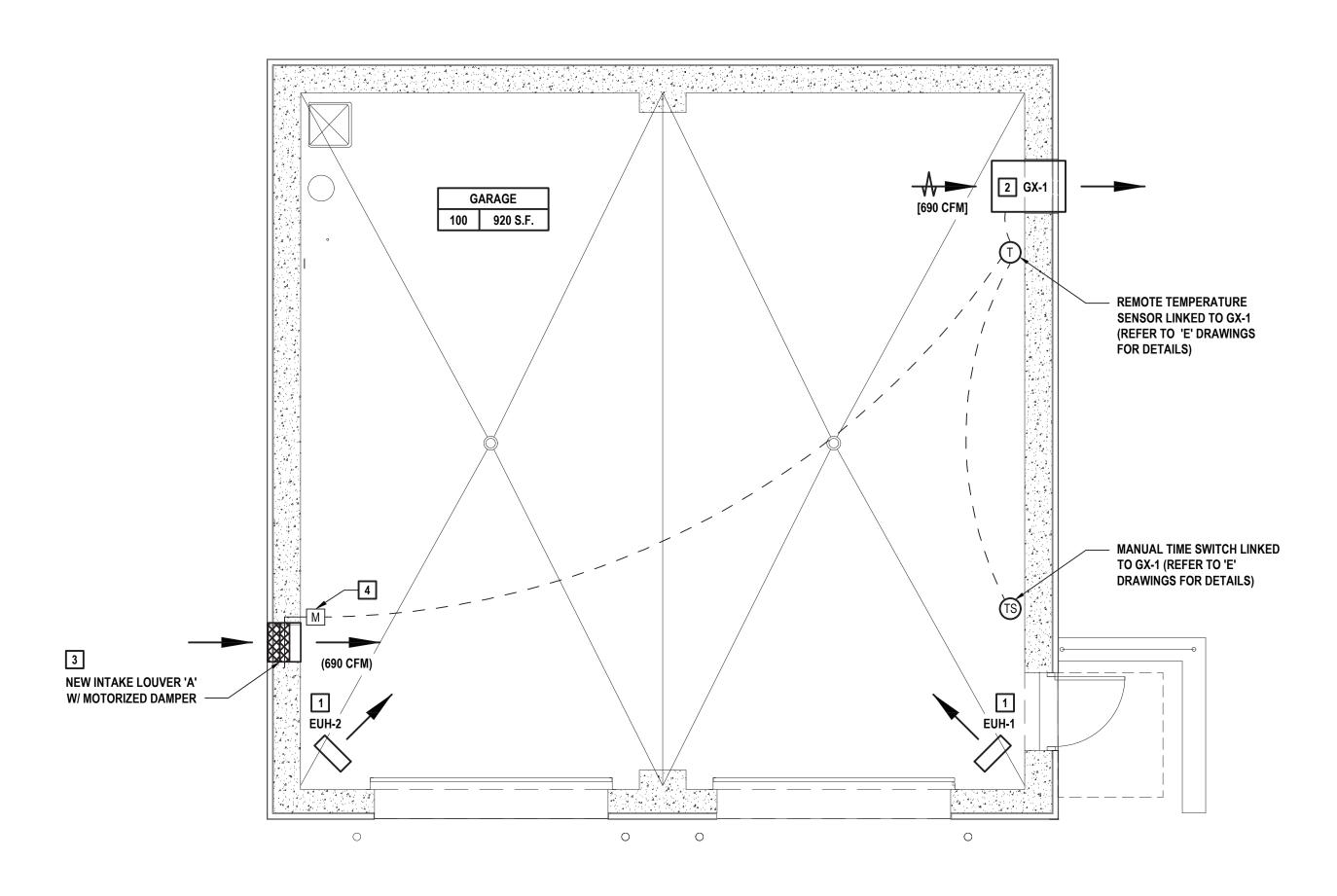
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SHEET TIT

HVAC
HVAC LEGENDS, SYMBOLS,
ABBREVIATIONS, AND
GENERAL NOTES

DRAWING No.

H0.0



UNIT HEA	ATERS																	
												В	ASIS OF DESI	GN INFORMATION	ON			
	LOCATION							FAN DATA		AIR DATA		HEATING COIL DATA						
COURMENT															ELECTRIC DATA			
EQUIPMENT NO.		AREA SERVED	FLOW (CFM)	НР	VOLTS/ PHASE	TOTAL CAPACITY (MBH)	TEMP. CHANGE (DEG. F)	(1 1 1 )	VOLTS/ PHASE	TOTAL KW	AMPS	MNF	MODEL NO. DIME	NOMINAL DIMENSIONS L x W x H	OPERATING	REMARKS		
EUH-1, 2	SEE PLANS	STORAGE AREA	650	1/30	208/1	25.6	37	18	208/1	7.5	36	QMARK	MUH-07-8	19 x 7.5 x 21.75	38	1-4		

Facilities Storage Building Plan

SCALE: 1/4"=1"-0"

### NOTES: 1. PROVIDE AND INSTALL MANUFACTURER SPECIFIED MOUNTING BRACKET

SINGLE POLE INTERNAL THERMOSTAT ACCESSORY (UHMT1)

3. 3-POLE POWER DISCONNECT SWITCH (MPDS60)

4. OUTLET MESH (BIRD SCREEN)

FANS	ANS													
	LOCATION		PERFO	PERFORMANCE/CONSTRUCTION REQUIREMENTS B				BASIS OF DESIGN INFORMATION						
EQUIPMENT NO.		SYSTEM SERVED		EXT S. P. (IN. F/	FAN/MOTOR RPM	ВНР	MNF	MODEL NO.	NOMINAL DIMENSIONL x W. x H	NOMINAL OPERATING WEIGHT (LBS.)	ELECTRICAL DATA		REMARKS	
											VOLTS/PHASE	MOTOR HP		
GX-1	SEE PLANS	STORAGE AREA	690	0.3	776	0.18	GREENHECK	SBE-1H20-4	38 x 26.25 x 26.25	152	115/1	1/4	1-4	

1. LONG WALL HOUSING WITH OSHA GUARD

2. NEMA 3R POWERED DISCONNECT SWITCH 6. DAMPER MOUNTED WD-320-PB-22X22

SINGLE POINT POWER CONNECTION 8. DAMPER ACTUATOR (MP-310)

AIR OUTLETS											
	DESIGNATION	TYPE	BASIS OF DESIGN: MANUFACTURER	BASIS OF DESIGN: MODEL NO.	NOM. DIMENSIONS	FREE AREA (%)	VOLUME (CFM)	FREE AREA VELOCITY (FPM)	PRESSURE DROP (IN. W.G.)	REMARKS	
	Δ	INTAKE I OUVER	GREENHECK	ESD-635HP	20 x 20 x 6	42.5	690	566	0.05	1-3	

1. (20x20) VCD-23 LOW LEAKAGE 3V BLADE VOLUME CONTROL DAMPER

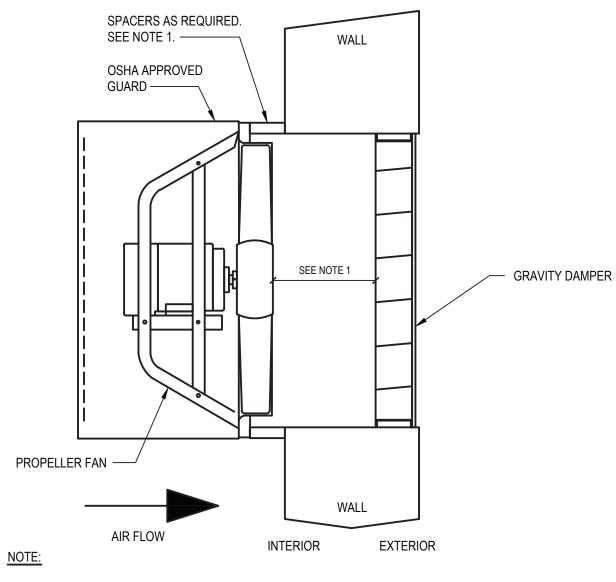
2. HONEYWELL MS4103F1225 ACTUATOR 3. GREENHECK POC RETAINING ANGLE

### **GENERAL NOTES**

- A. THESE DRAWINGS SERVE AS A GRAPHICAL REPRESENTATION OF THE INTENDED SCOPE OF WORK AND CONSTITUTE ONE PORTION OF THE CONSTRUCTION DOCUMENTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION BETWEEN THESE DRAWINGS AND THE SPECIFICATIONS.
- B. ALL WORK SHALL BE IN COMPLIANCE WITH ALL FEDERAL AND NEW YORK STATE APPLICABLE BUILDING CODE.
- C. REFER TO SEQUENCE OF OPERATIONS FOR DETAILS REGARDING EXHAUST FAN (GX-1) CONTROLS.
- D. ALL WORK SHALL BE IN COMPLIANCE WITH MANUFACTURER'S CLEARANCE REQUIREMENTS.
- E. DO NOT SCALE DRAWINGS. LINE WORK IS SHOWN FOR REFERENCE ONLY.
- F. COORDINATE FINAL LOCATIONS OF SENSORS / SWITCHES WITH OWNER.
- G. COORDINATE NEW WORK WITH OTHER TRADES.

# **KEY WORK NOTES**

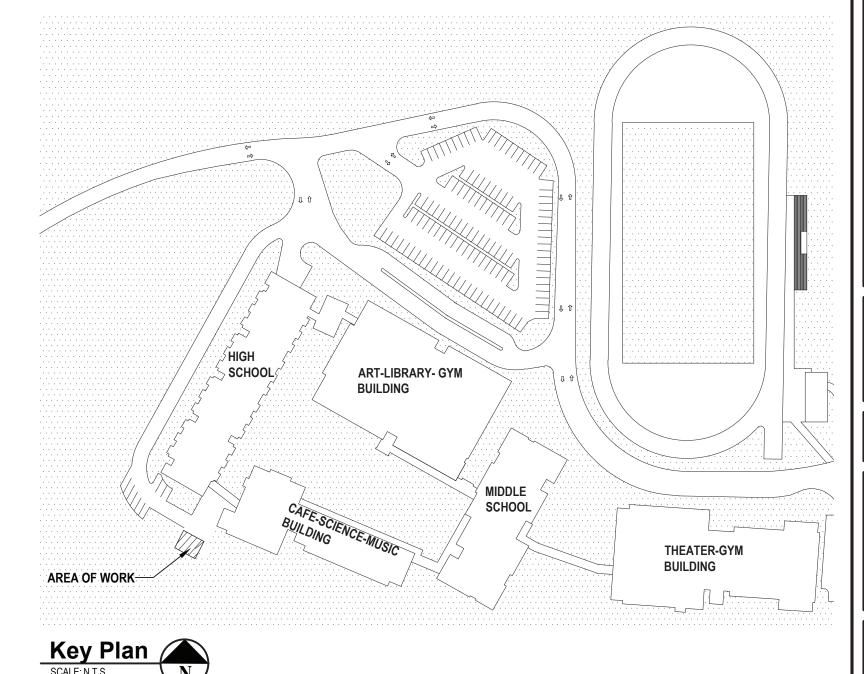
- PROVIDE AND INSTALL NEW ELECTRIC UNIT HEATER EUH-1, 2 WITH APPROPRIATE MOUNTING HARDWARE. MOUNT NEW ELECTRIC UNIT HEATER AS PER MANUFACTURER'S SPECIFICATIONS.
- PROVIDE AND INSTALL NEW SIDEWALL EXHAUST FAN GX-1 WITH APPROPRIATE MOUNTING HARDWARE. MOUNT NEW SIDEWALL EXHAUST FAN AS PER MANUFACTURER'S SPECIFICATIONS. COORDINATE FINAL HEIGHT WITH ARCHITECTURAL / STRUCTURAL PLANS, AND EXISTING SLOPE OF GRADE.
- 3 PROVIDE AND INSTALL NEW SIDEWALL INTAKE LOUVER 'A' WITH APPROPRIATE MOUNTING HARDWARE. MOUNT NEW SIDEWALL INTAKE LOUVER AS PER MANUFACTURER'S SPECIFICATIONS. COORDINATE FINAL HEIGHT WITH ARCHITECTURAL / STRUCTURAL PLANS, AND EXISTING SLOPE OF GRADE.
- 4 NEW MOTORIZED DAMPER SHALL BE INTERLOCKED WITH NEW EXHAUST FAN GX-1. DAMPER SHALL OPEN WHEN GX-1 ACTIVATES (REFER TO SPECIFICATIONS AND ELECTRICAL DRAWINGS FOR DETAILS).



1. MAINTAIN MINIMUM CLEARANCE BETWEEN FAN PROPELLER AND LOUVER AS PER MANUFACTURER'S INSTALLATION MANUAL. PROVIDE SPACERS AS NECESSARY TO MAINTAIN CLEARANCE CALLED FOR IN MANUAL.

Sidewall Fan with OSHA Guard

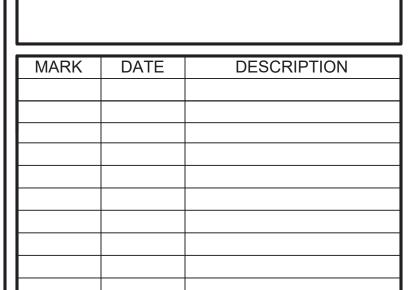
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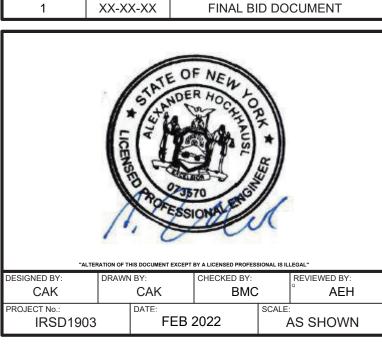


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Facilities Storage Building at Irvington Campus



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**HVAC** HIGH SCHOOL FACILITIES STORAGE BUILDING HVAC CONSTRUCTION

H1.0