

CONSULTANTS:

MARK	DATE	DESCRIPTION
1	02/09/2022	FINAL REBID DOCUMENT
	XX-XX-XX	FINAL BID DOCUMENT



DESIGNED BY: CAK	DRAWN BY: CAK	CHECKED BY: BMC	REVIEWED BY: AEH
PROJECT NO: IRSD 1903	DATE: FEB 2022	SCALE: 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 G  
GENERAL CONSTRUCTION**

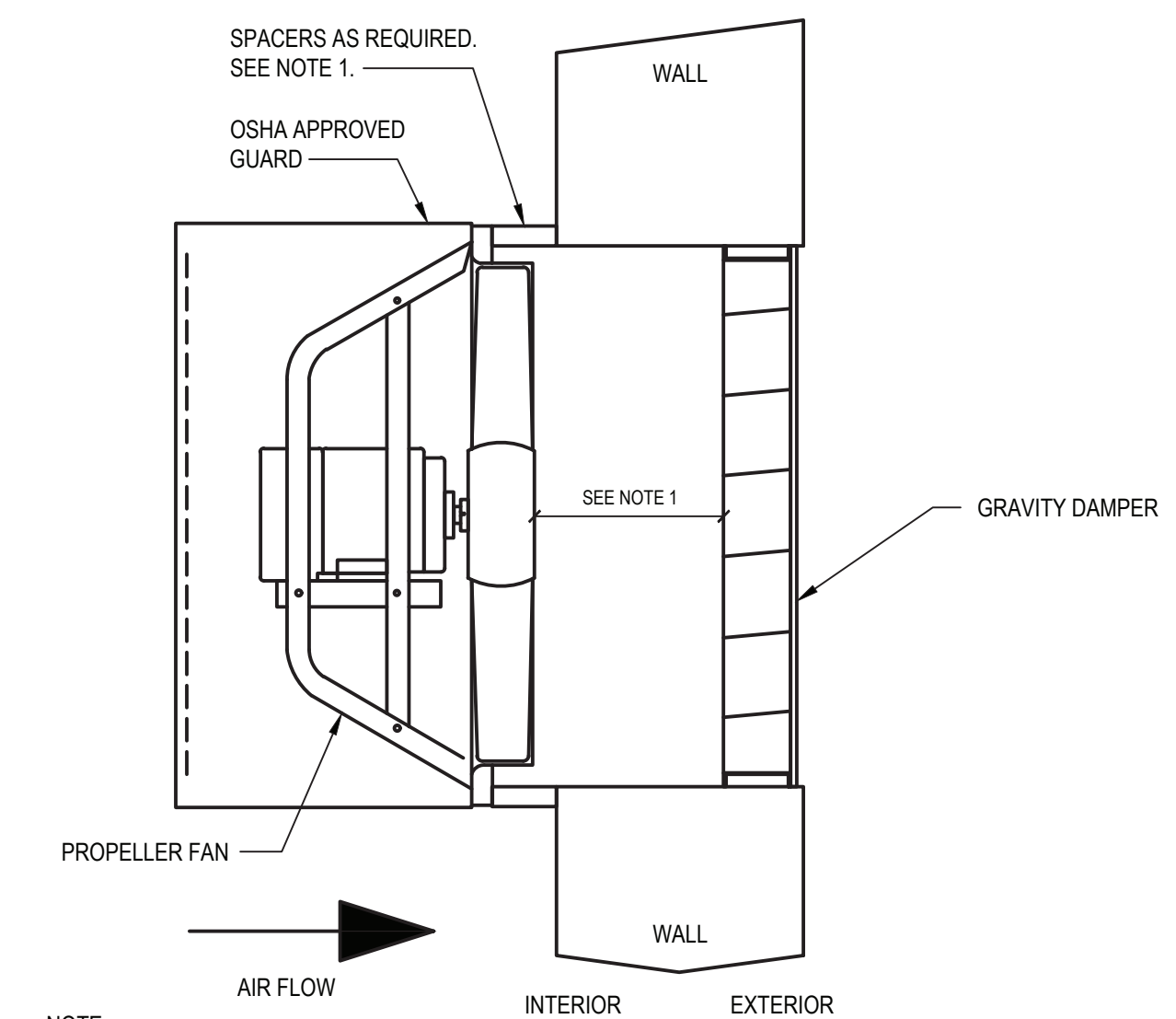
**STATUS  
FINAL REBID DOCUMENT**

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

**DRAWING No.  
H1.0**

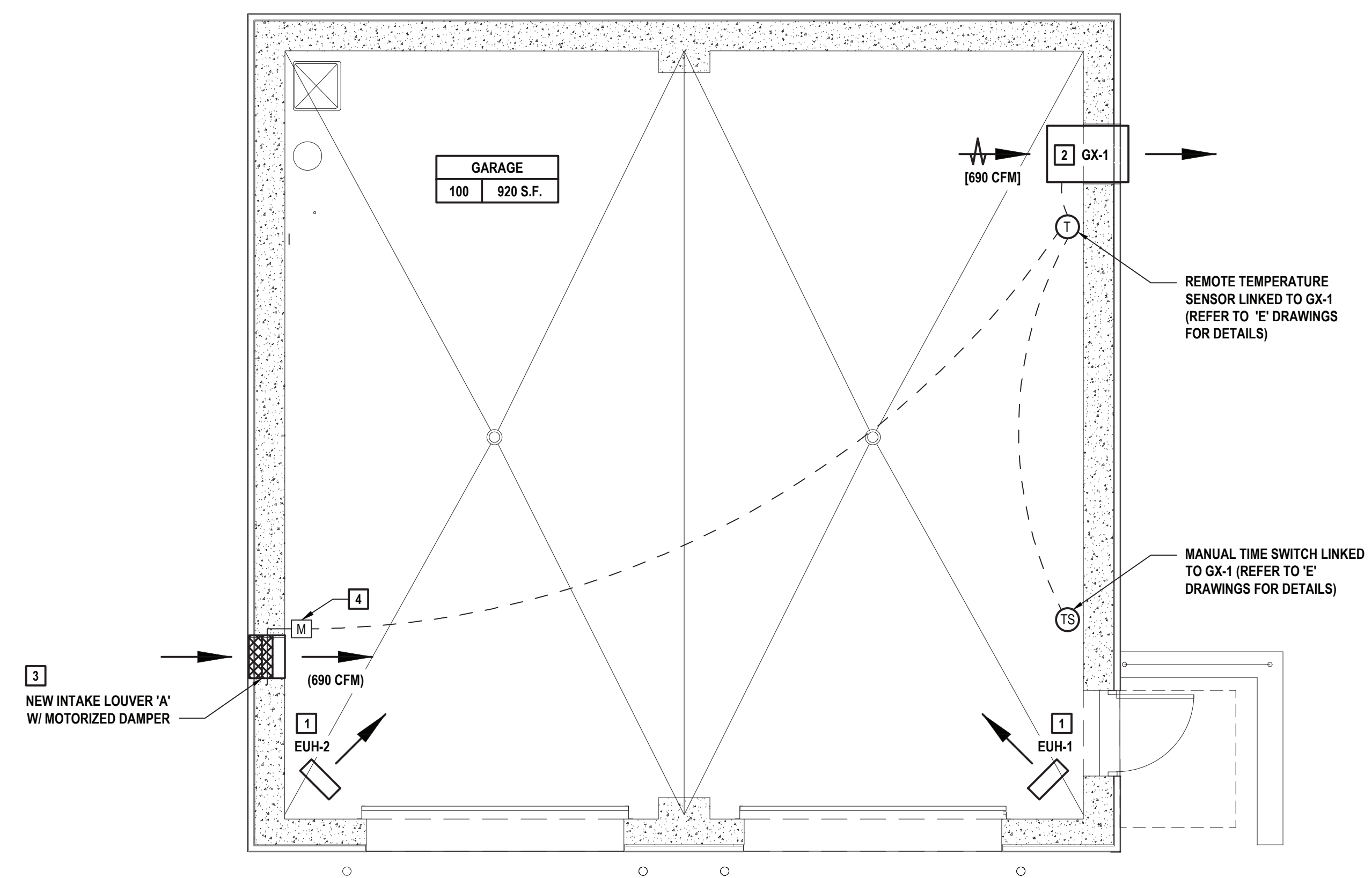
- GENERAL NOTES**
- THESE DRAWINGS SERVE AS A GRAPHICAL REPRESENTATION OF THE INTENDED SCOPE OF WORK AND CONSTITUTE ONE PORTION OF THE CONSTRUCTION DOCUMENTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION BETWEEN THESE DRAWINGS AND THE SPECIFICATIONS.
  - ALL WORK SHALL BE IN COMPLIANCE WITH ALL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



NOTE:  
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.

**2 Sidewall Fan with OSHA Guard**  
SCALE: NTS (DETAIL #)



**1 Facilities Storage Building Plan**  
SCALE: 1/4"=1'-0"

EQUIPMENT NO.	LOCATION	AREA SERVED	FAN DATA									BASIS OF DESIGN INFORMATION				REMARKS
			FLOW (CFM)	HP	VOLTS/PHASE	TOTAL CAPACITY (MBH)	AIR DATA		HEATING COIL DATA			MNF	MODEL NO.	NOMINAL DIMENSIONS L x W x H	NOMINAL OPERATING WEIGHT (LBS.)	
							TEMP. CHANGE (DEG. F)	THROW (FT.)	VOLTS/PHASE	TOTAL KW	AMPS					
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

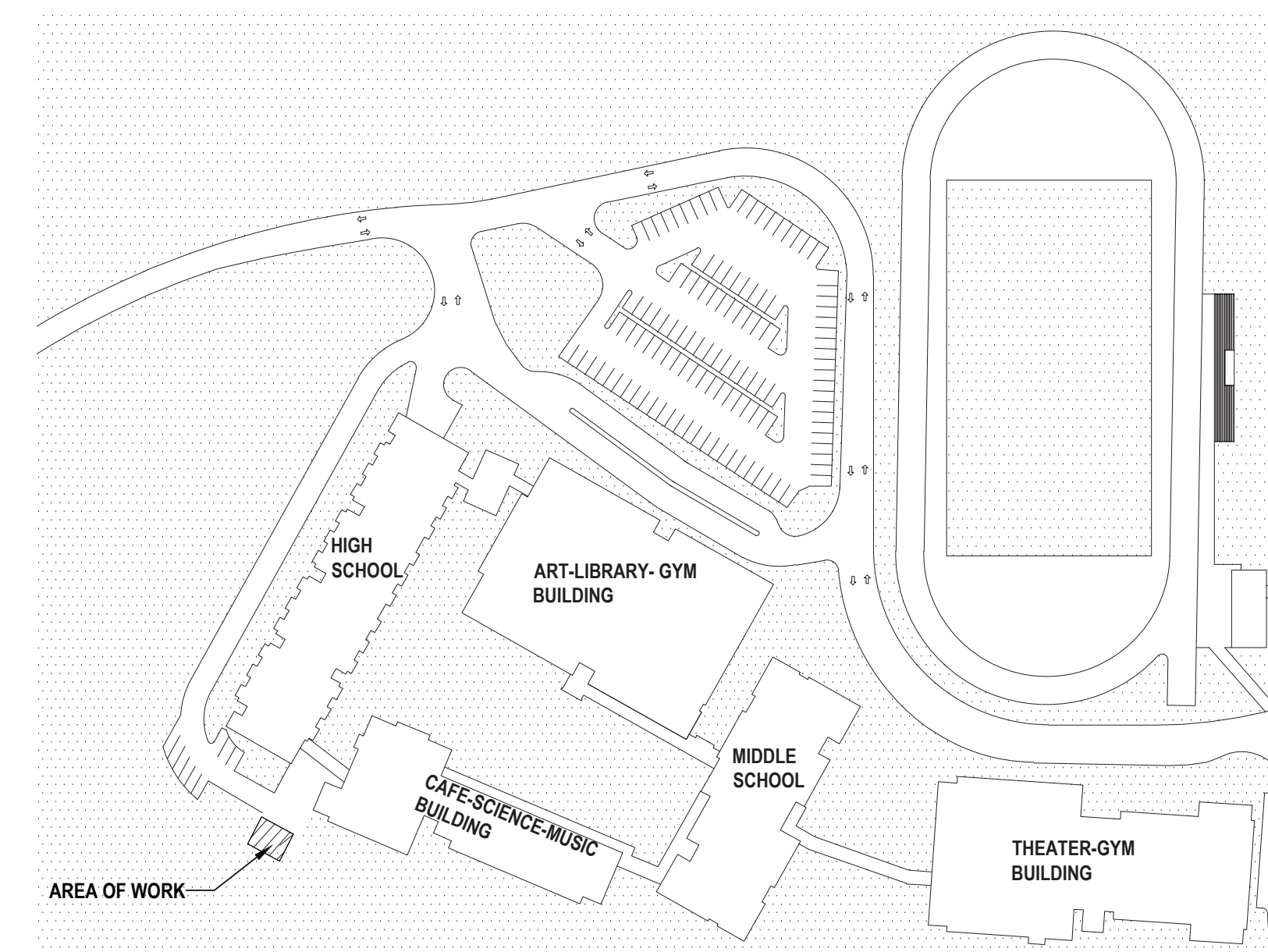
- NOTES:  
1. PROVIDE AND INSTALL MANUFACTURER SPECIFIED MOUNTING BRACKET  
2. SINGLE POLE INTERNAL THERMOSTAT ACCESSORY (UHM1)  
3. 3-POLE POWER DISCONNECT SWITCH (MPD560)  
4. OUTLET MESH (BIRD SCREEN)

EQUIPMENT NO.	LOCATION	SYSTEM SERVED	PERFORMANCE/CONSTRUCTION REQUIREMENTS				BASIS OF DESIGN INFORMATION							REMARKS
			CFM	EXT S. P. (IN. W.C.)	FAN/MOTOR RPM	BHP	MNF	MODEL NO.	NOMINAL DIMENSION L x W x H	NOMINAL OPERATING WEIGHT (LBS.)	ELECTRICAL DATA			
											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	

- NOTES:  
1. LONG WALL HOUSING WITH OSHA GUARD  
2. NEMA 3R POWERED DISCONNECT SWITCH  
6. DAMPER MOUNTED WD-320-PB-22X22  
7. SINGLE POINT POWER CONNECTION  
8. DAMPER ACTUATOR (MP-310)

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
A	INTAKE LOUVER	GREENHECK	ESD-635HP	20 x 20 x 6	42.5	690	566	0.05	1-3

- NOTES:  
1. (20x20) VCD-23 LOW LEAKAGE 3V BLADE VOLUME CONTROL DAMPER  
2. HONEYWELL MS4103F1225 ACTUATOR  
3. GREENHECK POC RETAINING ANGLE



**Key Plan**  
SCALE: N.T.S.

IRSD 1903 HVAC Facilities Storage Building HVAC Construction. High School, Facilities Storage Building HVAC Construction. Oct 18, 2021. 3:00pm. Project on Oct 18, 2021. 4:30pm. By: caulis