## SPECIFICATIONS CONTINUED

### IDENTIFICATION FOR HVAC EQUIPMENT

1.1 EQUIPMENT LABELS

A. PLASTIC LABELS FOR EQUIPMENT:

1. MATERIAL AND THICKNESS: MULTILAYER, MULTICOLOR, PLASTIC LABELS FOR MECHANICAL ENGRAVING, 1/8 INCH (3.2 MM) THICK, AND HAVING PREDRILLED HOLES FOR ATTACHMENT HARDWARE.

2. LETTER COLOR: WHITE. BACKGROUND COLOR: BLACK.

4. MAXIMUM TEMPERATURE: ABLE TO WITHSTAND TEMPERATURES UP TO 160 DEG F (71 DEG C). 5. MINIMUM LABEL SIZE: LENGTH AND WIDTH VARY FOR REQUIRED LABEL CONTENT, BUT NOT LESS THAN 2-1/2 BY 3/4 INCH (64 BY 19 MM).

6. MINIMUM LETTER SIZE: 1/4 INCH (6.4 MM) FOR NAME OF UNITS IF VIEWING DISTANCE IS LESS THAN 24 INCHES (600 MM), 1/2 INCH (13 MM) FOR VIEWING DISTANCES UP TO 72 INCHES (1830 MM), AND PROPORTIONATELY LARGER LETTERING FOR GREATER VIEWING DISTANCES.

INCLUDE SECONDARY LETTERING TWO-THIRDS TO THREE-QUARTERS THE SIZE OF PRINCIPAL

7. FASTENERS: STAINLESS-STEEL RIVETS OR SELF-TAPPING SCREWS. 8. ADHESIVE: CONTACT-TYPE PERMANENT ADHESIVE, COMPATIBLE WITH LABEL AND WITH

B. LABEL CONTENT: INCLUDE EQUIPMENT'S DRAWING DESIGNATION OR UNIQUE EQUIPMENT

NUMBER, INCLUDE MANUFACTURER, MODEL NUMBER, SERIAL NUMBER, WARRANTY PERIOD END DATE, AND CONTACT INFORMATION FOR WARRANTY ISSUES.

C. EQUIPMENT LABEL SCHEDULE: FOR EACH ITEM OF EQUIPMENT TO BE LABELED, TABULATE EQUIPMENT LABEL INFORMATION. EQUIPMENT SCHEDULE SHALL BE INCLUDED IN OPERATION AND MAINTENANCE DATA.

### HIGH VOLUME LOW SPEED FANS HVLS-1, 2 FAN DIAMETER BLADES DEG F COOLING EFFECT 4 LIGHT KIT NO VFD MOTOR CHARACTERISTICS FAN MOTOR 1/4 RPM 49 FAN SPEED V/PH 120 / 1 ELECTRICAL CHARACTERISTICS WET OUTDOOR USAGE RATING NOTE 4 **MANUFACTURER** GREENHECK MODEL NUMBER DC-5-8-13LV

FURNISH AND INSTALL APPROPRIATE MOUNTING KIT AND EXTENDED DROP KITS FOR SPECIFIED MOUNTING HEIGHT AND BUILDING SUPPORT STRUCTURE.

FURNISH AND INSTALL APPROPRIATE SURFACE MOUNT KEYPAD CONTROL WITH LCD DISPLAY ON 4-GANG SQUARE SURFACE MOUNT BACK BOX. PROVIDE CAT-5E CABLE WITH RJ45 ENDS IN 3/4" CONDUIT FROM FAN MOTOR TO KEYPAD

FURNISH AND INSTALL HEAVY DUTY, BRAIDED GALVANIZED STEEL SAFETY CABLE FOR MOTOR AND FAN HUB.

AIRFOIL FINISH: ANODIZED. FAN MOTOR, MOUNT, ETC, FINISH: HI-PRO POLYESTER, FLAT BLACK.

### **SPECIFICATIONS**

HIGH VOLUME LOW SPEED FAN

.1 ACTION SUBMITTALS A. PRODUCT DATA: FOR EACH TYPE OF PRODUCT.

1. INCLUDE RATED CAPACITIES, FURNISHED SPECIALTIES, AND ACCESSORIES FOR EACH FAN. 2. CERTIFIED FAN PERFORMANCE CURVES WITH SYSTEM OPERATING CONDITIONS INDICATED.

3. CERTIFIED FAN SOUND-POWER RATINGS. 4. MOTOR RATINGS AND ELECTRICAL CHARACTERISTICS, PLUS MOTOR AND ELECTRICAL ACCESSORIES.

5. MATERIAL THICKNESS AND FINISHES, INCLUDING COLOR CHARTS.

6. FAN SPEED CONTROLLERS. **B. SHOP DRAWINGS:** 

INCLUDE PLANS, ELEVATIONS, SECTIONS, AND MOUNTING DETAILS.

INCLUDE DETAILS OF EQUIPMENT ASSEMBLIES. SHOW DIMENSIONS, WEIGHTS, LOADS, REQUIRED CLEARANCES, METHOD OF FIELD ASSEMBLY, COMPONENTS, AND LOCATION AND

SIZE OF EACH FIELD CONNECTION. 3. INCLUDE DIAGRAMS FOR POWER, SIGNAL, AND CONTROL WIRING.

1.2 CLOSEOUT SUBMITTALS A. OPERATION AND MAINTENANCE DATA: FOR HVLS FANS TO INCLUDE IN EMERGENCY,

OPERATION, AND MAINTENANCE MANUALS.

1.3 QUALITY ASSURANCE

A. MANUFACTURER QUALIFICATIONS: PROVIDE CERTIFICATION THAT MANUFACTURER COMPLIES WITH THE MOST RECENT EDITION OF ISO 9001.

B. INSTALLER QUALIFICATIONS: AN ENTITY THAT EMPLOYS INSTALLERS AND SUPERVISORS WHO ARE TRAINED AND APPROVED BY HVLS FAN MANUFACTURER.

1. INSTALLER CERTIFICATION SHALL BE VALID AND CURRENT FOR DURATION OF PROJECT. 2. RETAIN COPIES OF INSTALLER CERTIFICATES ON-SITE AND MAKE AVAILABLE ON REQUEST.

### 1.4 DELIVERY, STORAGE, AND HANDLING

A. DELIVER AND STORE PRODUCTS IN A CLEAN AND DRY PLACE. B. COMPLY WITH MANUFACTURER'S WRITTEN RIGGING AND INSTALLATION INSTRUCTIONS FOR

UNLOADING AND MOVING TO FINAL INSTALLED LOCATION. C. HANDLE PRODUCTS CAREFULLY TO PREVENT DAMAGE, BREAKING, DENTING, AND SCORING. DO NOT INSTALL DAMAGED PRODUCTS.

D. PROTECT PRODUCTS FROM WEATHER, DIRT, DUST, WATER, CONSTRUCTION DEBRIS, AND PHYSICAL DAMAGE.

1. RETAIN FACTORY-APPLIED COVERINGS ON EQUIPMENT TO PROTECT FINISHES DURING CONSTRUCTION AND REMOVE JUST PRIOR TO OPERATING UNIT.

2. COVER UNIT OPENINGS BEFORE INSTALLATION TO PREVENT DIRT AND DUST FROM ENTERING INSIDE OF UNITS. IF REQUIRED TO REMOVE COVERINGS DURING UNIT INSTALLATION, REAPPLY COVERINGS OVER OPENINGS AFTER UNIT INSTALLATION AND

REMOVE JUST PRIOR TO OPERATING UNIT. E. REPLACE INSTALLED PRODUCTS DAMAGED DURING CONSTRUCTION.

A. WARRANTY: MANUFACTURER AND INSTALLER AGREE TO REPAIR OR REPLACE COMPONENTS OF FANS THAT FAIL IN MATERIALS OR WORKMANSHIP WITHIN SPECIFIED WARRANTY PERIOD. WARRANTY PERIOD

a. FOR MOTOR, INCLUDING CONTROLS: SEVEN YEAR(S) FROM DATE OF SUBSTANTIAL COMPLETION.

b. FOR PARTS, INCLUDING BLADES AND HUB: FIVE YEAR(S) FROM DATE OF SUBSTANTIAL COMPLETION.

c. FOR LABOR: ONE YEAR(S) FROM DATE OF SUBSTANTIAL COMPLETION.

## 2.1 PERFORMANCE REQUIREMENTS

A. ELECTRICAL COMPONENTS, DEVICES, AND ACCESSORIES: LISTED AND LABELED AS DEFINED IN NFPA 70, BY A QUALIFIED TESTING AGENCY, AND MARKED FOR INTENDED LOCATION AND APPLICATION.

B. UL COMPLIANCE: LISTED AND LABELED TO UL 507.

C. CSA COMPLIANCE: LISTED AND LABELED TO CSA C22.2, NO. 113. D. AMCA COMPLIANCE:

TEST HVLS FANS ACCORDING TO AMCA 230.

211 FOR PUBLICATION OF PERFORMANCE DATA.

2. CERTIFY HVLS FAN PERFORMANCE ACCORDING TO AMCA 211. E. PERFORMANCE DATA: COMPLY WITH ANSI 230 TEST PROCEDURE STANDARD, BASED ON FIVE RATING POINTS: 20-, 40-, 60-, 80-, AND 100-PERCENT OF MAXIMUM SPEED. COMPLY WITH AMCA

A. BASIS-OF-DESIGN PRODUCT: SUBJECT TO COMPLIANCE WITH REQUIREMENTS, PROVIDE PRODUCT INDICATED ON DRAWINGS OR COMPARABLE PRODUCT BY ONE OF THE FOLLOWING:

2. GREENHECK FAN CORPORATION. 3. KELLEY; AN ENTREMATIC BRAND.

2.3 HIGH-VOLUME, LOW-SPEED FANS

A. DESCRIPTION: FACTORY-ASSEMBLED AND -TESTED HORIZONTAL, NON-DUCTED FAN UNIT. CONSISTING OF LARGE-DIAMETER BLADE SET, DIRECT-DRIVE ELECTRIC MOTOR, WITH SPEED-REDUCING GEARBOX.

1. PROVIDE FAN DESIGNED TO CIRCULATE LARGE AIR VOLUME, VERTICALLY, AT LOW

VELOCITY. 2. MAXIMUM OPERATING TEMPERATURE: 122 (50) DEG F (DEG C).

FRAME:

A. MATERIAL: GALVANIZED STEEL 1) FINISH: POWDERCOAT.

4. DIAMETER: AS INDICATED ON PLANS

BLADES: AIRFOIL TYPE.

A. MATERIAL: ALUMINUM. BLADE FINISH: ANODIZED

6. MOTOR: SQUIRREL CAGE, INTEGRAL TO FAN FRAME TOTALLY ENCLOSED FAN COOLED.

7. WIRING AND CONTROLS ENCLOSURE:

A. NEMA 250, CLASS 4X. B. MATERIAL: GALVANIZED STEEL

1) ENCLOSURE FINISH: POWDERCOAT. C. GROUNDED.

8. CONTROLS: PROVIDE WALL-MOUNTED KEYPAD.

A. PROVIDE VARIABLE SPEED MOTOR CONTROLLER. B. PROVIDE FAN START/STOP, SPEED, AND DIRECTION CONTROL.

C. PROVIDE RELAY FOR INTEGRATION WITH FIRE ALARM CONTROL PANEL.

9. MAXIMUM SOUND POWER LEVEL: 55 DBA. 10. STANDARD MOUNTING BRACKET: STEEL BEAM/STEEL ANGLE.

11. MOUNTING BRACKET: SEE STRUCTURAL PLANS. 12. ACCESSORIES:

A. MOUNTING EXTENSION TUBE.

B. GUY WIRES.

3.1 STARTUP SERVICE

A. ENGAGE A FACTORY-AUTHORIZED SERVICE REPRESENTATIVE TO PERFORM STARTUP SERVICE.

1. COMPLETE INSTALLATION AND STARTUP CHECKS ACCORDING TO MANUFACTURER'S

WRITTEN INSTRUCTIONS. 2. VERIFY THAT FAN IS SECURE ON MOUNTINGS AND SUPPORTING DEVICES AND THAT CONNECTIONS TO ELECTRICAL SYSTEMS ARE COMPLETE. VERIFY THAT PROPER THERMAL-

OVERLOAD PROTECTION IS INSTALLED IN MOTORS, CONTROLLERS AND SWITCHES. VERIFY PROPER MOTOR ROTATION DIRECTION AND FREE FAN ROTATION. 4. CHECK BEARING AND GEARBOX LUBRICATION. 5. VERIFY PROPER FAN ROTATION. SET ROTATION SELECTOR TO BLOW VERTICALLY

DOWNWARD DURING HEATING SEASON, AND VERTICALLY UPWARD DURING COOLING

# **GENERAL NOTES**

- DRAWINGS ARE DIAGRAMMATIC, INDICATIVE OF WORK TO BE FURNISHED AND INSTALLED UNDER THIS CONTRACT. REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONS. FIELD VERIFY DIMENSIONS AND CONDITIONS. IF THE CONTRACTOR IS UNABLE TO INTERPRET THE CONTRACT DOCUMENTS, HE IS RESPONSIBLE TO REQUEST CLARIFICATION IN WRITING TO THE ARCHITECT. IF HE PROCEEDS WITH ANY WORK BEFORE OBTAINING CLARIFICATION, HE SHALL BE
- HELD RESPONSIBLE FOR DEFICIENCIES ASSOCIATED THEREWITH. BEFORE SUBMITTING FOR THE WORK, EACH BIDDER WILL BE RESPONSIBLE TO EXAMINE THE PREMISES AND SATISFY HIMSELF AS TO THE EXISTING CONDITIONS UNDER WHICH HE WILL BE OBLIGATED TO OPERATE AND COMPLETE THE WORK UNDER THIS CONTRACT. NO ALLOWANCE
- WILL SUBSEQUENTLY BE MADE IN THIS CONNECTION ON BEHALF OF THE CONTRACTOR FOR ANY ERROR OR OMISSION ON HIS PART.
- THE CONTRACTOR SHALL PAY FOR INSPECTION PERMITS, CERTIFICATES, CONNECTION FEES, SYSTEM DEMAND CHARGES AND LICENSE FEES IN CONNECTION WITH HIS WORK.
- GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WORK OF SUBCONTRACTORS TO AVOID INTERFERENCES.
- ERECT AND MAINTAIN REASONABLE PRECAUTIONS FOR SAFETY AND HEALTH INCLUDING POSTING DANGER SIGNS AND OTHER WARNINGS AGAINST HAZARDS INCLUDING PROMULGATING SAFETY REGULATIONS. PROVIDE SAFETY PRECAUTIONS AND BARRICADES FOR PEDESTRIANS AT CONSTRUCTION VEHICLE ACCESS AND EGRESS LOCATIONS.

WORK SHALL COMPLY WITH APPLICABLE O.S.H.A. AND E.P.A. REGULATIONS AND GUIDELINES.

- . COORDINATE AND SEQUENCE DEMOLITION, CLEANING AND CONSTRUCTION WORK. SUBMIT A COMPLETELY DETAILED CONSTRUCTION SCHEDULE PRIOR TO PRE-CONSTRUCTION CONFERENCE.
- THE CONTRACTOR SHALL STRICTLY BE HELD TO THE PROJECT SCHEDULE. HE SHALL PROVIDE SUFFICIENT MANPOWER AND EQUIPMENT TO FULLY MOBILIZE, PROCEED WITH AND COMPLETE THE
- 10. THE CONTRACTOR SHALL BE RESTRICTED TO AREAS SPECIFIED BY THE OWNER FOR ON-SITE STORAGE OF CONSTRUCTION MATERIALS. THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION AND SECURITY OF EQUIPMENT AND MATERIALS. 1. THE CONTRACTOR SHALL MAINTAIN A CLEAN WORK ENVIRONMENT AT ALL TIMES AND SHALL
- CLEAN CONSTRUCTION SITE OF DEBRIS AT COMPLETION OF THE JOB AND BEFORE FINAL PAYMENT
- 12. THE CONTRACTOR SHALL FURNISH "AS-BUILT" DRAWINGS TO THE ARCHITECT AT COMPLETION OF CONSTRUCTION. 13. CONTRACTOR'S USE OF AN APPROVAL STAMP ON DOCUMENTS SUBMITTED AS SHOP DRAWINGS, PRODUCT DATA, SAMPLES AND SIMILAR SUBMITTALS CERTIFIES THAT THE CONTRACTOR HAS

COMPLIED WITH THE CONTRACT DOCUMENT REQUIREMENTS RELATED TO "SHOP DRAWINGS,

- PRODUCT DATA AND SAMPLES". 14. THE CONTRACTOR SHALL NOT BE RELIEVED OF RESPONSIBILITY FOR DEVIATIONS FROM REQUIREMENTS OF THE CONTRACT DOCUMENTS BY THE ARCHITECT/ ENGINEER'S APPROVAL OF SHOP DRAWINGS, PRODUCT DATA, SAMPLES OR SIMILAR SUBMITTALS UNLESS THE CONTRACTOR HAS SPECIFICALLY INFORMED THE ARCHITECT/ENGINEER IN WRITING OF SUCH DEVIATION AT THE TIME OF SUBMITTAL AND THE ARCHITECT/ENGINEER HAS GIVEN WRITTEN APPROVAL TO THE SPECIFIC DEVIATION. THE CONTRACTOR SHALL NOT BE RELIEVED OF RESPONSIBILITY FOR
- ERRORS OR OMISSIONS IN SHOP DRAWINGS, PRODUCT DATA, SAMPLES OR SIMILAR SUBMITTALS BY THE ARCHITECT/ENGINEER'S APPROVAL THEREOF. 15. PRIOR TO INSTALLATION, COORDINATE AND ADJUST THE FINAL LOCATION OF WALL MOUNTED

16. CONTRACTOR SHALL GUARANTEE THE WORK AND MATERIALS FOR A PERIOD OF ONE YEAR FROM

DATE OF FINAL ACCEPTANCE. THIS GUARANTEE SHALL BE IN ADDITION TO THE WARRANTIES PROVIDED BY MATERIAL SUPPLIERS AND MANUFACTURERS. . THE BUILDING WILL REMAIN OCCUPIED DURING CONSTRUCTION. THE OWNER WILL MAKE

DEVICES AND EQUIPMENT WITH ALL WALL MOUNTED FURNISHINGS.

- REASONABLE EFFORTS TO ASSIST THE CONTRACTOR IN COMPLETING THE WORK. COORDINATE WORK WITH THE OWNER'S DESIGNATED REPRESENTATIVE. 18. EXIT WAYS SHALL BE KEPT CLEAR. IF AN EXIT MUST BE TEMPORARILY BLOCKED, PROVIDE THE
- REQUIRED BARRICADE AND DIRECTIONAL SIGNS FOR TEMPORARY EXITING AND SAFETY. 19. REMOVE AND REPAIR OR RE-INSTALL EXISTING CEILING ASSEMBLIES AS REQUIRED. REPLACE ANY ASSEMBLIES DAMAGED OR SOILED DURING CONSTRUCTION.
- 20. PROVIDE PROPER PROTECTIVE MEASURES TO PROTECT EXISTING FURNITURE, CARPET AND FINISHES DURING THE COURSE OF CONSTRUCTION. TAKE CARE NOT TO DAMAGE EXISTING SURFACES. REPAIR TO MATCH EXISTING CONDITIONS AS REQUIRED.
- 21. SEAL HOLES IN WALLS, CEILINGS, FLOORS, ETC. TO MATCH EXISTING ADJACENT SURFACES WHERE EQUIPMENT IS REMOVED.
- 22. EXISTING EQUIPMENT IS THE PROPERTY OF THE OWNER AND SHALL BE DISPOSED OF AS DIRECTED BY THE OWNER. DISPOSE OF ALL MATERIALS AND EQUIPMENT SHOWN TO BE REMOVED IN ACCORDANCE WITH LOCAL REGULATIONS.
- 23. REMOVE ELECTRICAL EQUIPMENT (CONDUIT, POWER & CONTROL WIRING, DISCONNECT SWITCHES, STARTERS, ETC.) RELATED TO EQUIPMENT BEING REMOVED OR REPLACED.

## **HVAC NOTES**

1. COORDINATE EXACT LOCATION OF AIR DISTRIBUTION EQUIPMENT WITH THE LIGHTING LAYOUT.

# APPLICABLE CODES

PERFORM WORK IN ACCORDANCE WITH THE FOLLOWING CODES AND ANY APPLICABLE STATUTES.

ORDINANCES, CODES, AND REGULATIONS OF GOVERNMENTAL AUTHORITIES HAVING JURISDICTION.

OCCUPATIONAL SAFETY AND HEALTH REGULATIONS (OSHA).

.. NATIONAL FIRE CODES
- NIEDA 70 NATIONAL ELECTRICAL CODE - 2020

FLORIDA BUILDING CODE, 2023 8TH EDITION a. MECHANICAL CODE

b. EXISTING BUILDING CODE c. ENERGY CONSERVATION CODE

FLORIDA STATUTES

**ENGINEERING**  a. CHAPTER 471 BUILDING CONSTRUCTION STANDARDS: FLORIDA BUILDING CODE b. CHAPTER 533.80 **ENFORCEMENT** 

. FLORIDA ADMINISTRATIVE CODE a. CHAPTER 6A-2 EDUCATIONAL FACILITIES b. CHAPTER 61G15-34 RESPONSIBILITY RULES OF PROFESSIONAL ENGINEERS CONCERNING THE

DESIGN OF MECHANICAL SYSTEMS

RESOLVE, IN WRITING, ANY CODE VIOLATION DISCOVERED IN CONTRACT DOCUMENTS WITH THE ENGINEER PRIOR TO BIDDING. AFTER AWARD OF THE CONTRACT, MAKE ANY CORRECTION OR ADDITITION NECESSARY FOR COMPLIANCE WITH APPLICABLE CODES AT NO ADDITIONAL COST TO OWNER. THE CONTRACTOR SHALL INCLUDE IN THE WORK, WITHOUT EXTRA COST TO THE OWNER, ANY LABOR,

WHERE THERE IS CONFLICT BETWEEN THE CONTRACT DOCUMENTS AND THE APPLICABLE CODES, THE CODES SHALL GOVERN, EXCEPT WHERE THE REQUIREMENTS OF THE CONTRACT DOCUMENTS ARE MORE

MATERIALS, SERVICES, APPARATUS, AND DRAWINGS REQUIRED TO COMPLY WITH ALL APPLICABLE LAWS.

## **ABBREVIATIONS**

ORDINANCES, RULES, AND REGULATIONS.

FEET TYP TYPICAL UNO UNLESS NOTED OTHERWISE HVLS HIGH VOLUME LOW SPEED NIS NOT IN SCOPE VFD VARIABLE FREQUENCY DRIVE

# **AIR DISTRIBUTION**

EXISTING MATERIALS TO BE REMOVED

# DRAWING INDEX

GENERAL NOTES, LEGENDS, SCHEDULES & SPECIFICATIONS FLOOR PLANS

REVISIONS

NO. DESCRIPTION DRAWN CHECKED DATE PHASE DRAWN CHECKED DATE SCHEMATIC DESIGN 07/15/24 **DESIGN DEVELOPMENT** GAG ADW 09/25/24 CONSTRUCTION DOCUMENTS APA MPP 11/08/24

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Mark P. Poindexter, Professional Engineer, State of Florida, License No. 90615

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by Mark P. Poindexter, PE, on 11/07/2024

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**H2E PROJECT No. 24105** 



2551 BLAIRSTONE PINES DR. TALLAHASSEE, FL 23201

CONSULTANTS:

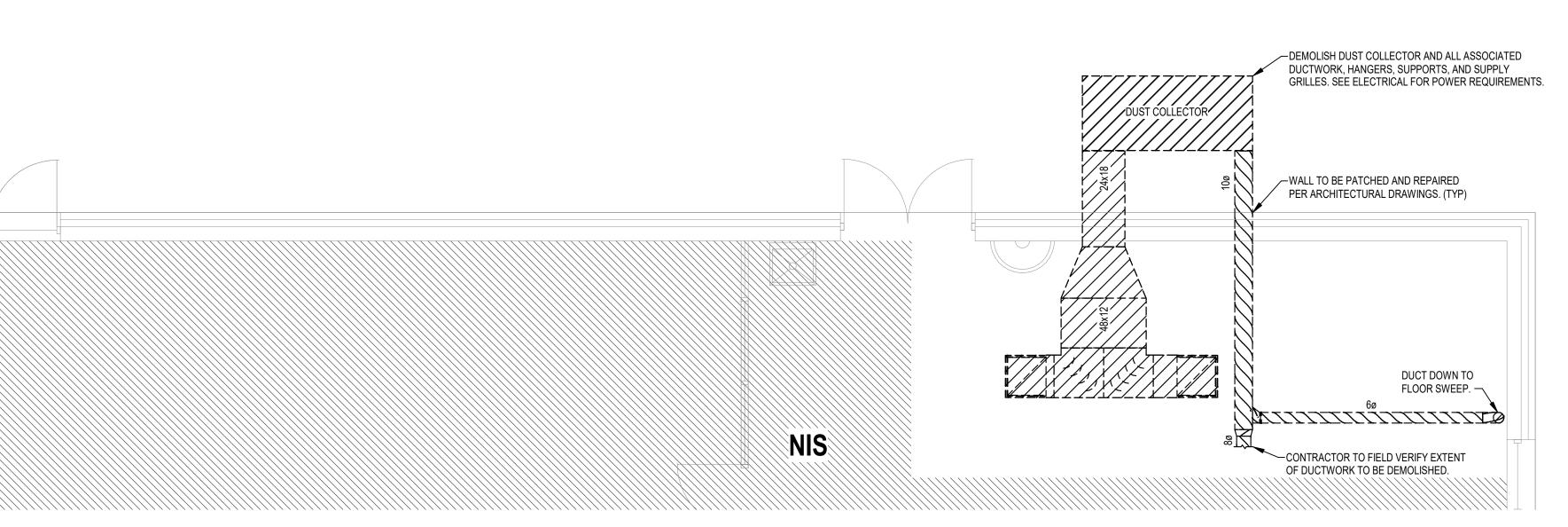
CHILES HIGH SCHOOL WELDING LAB

LEON COUNTY, FLORIDA

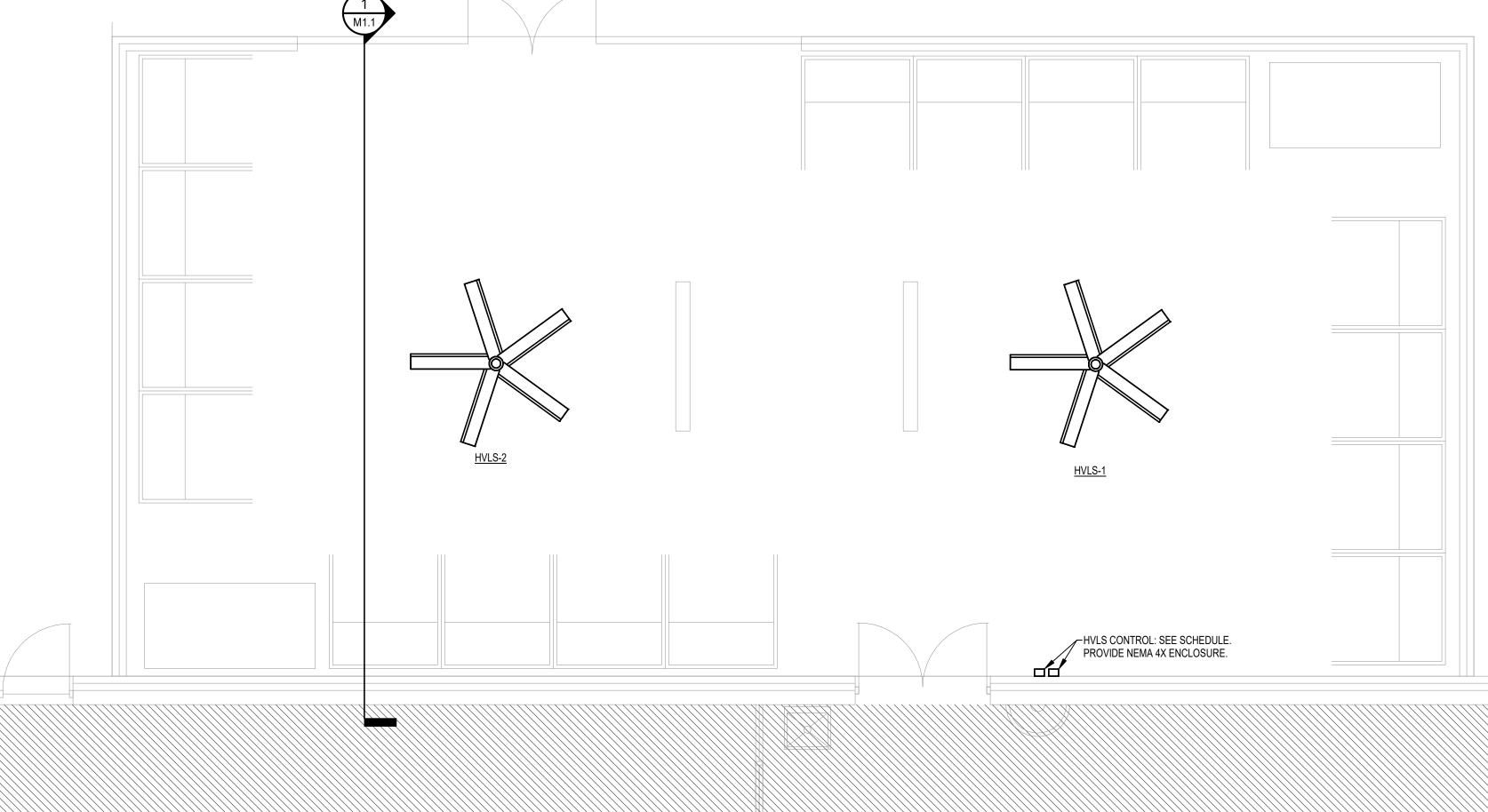
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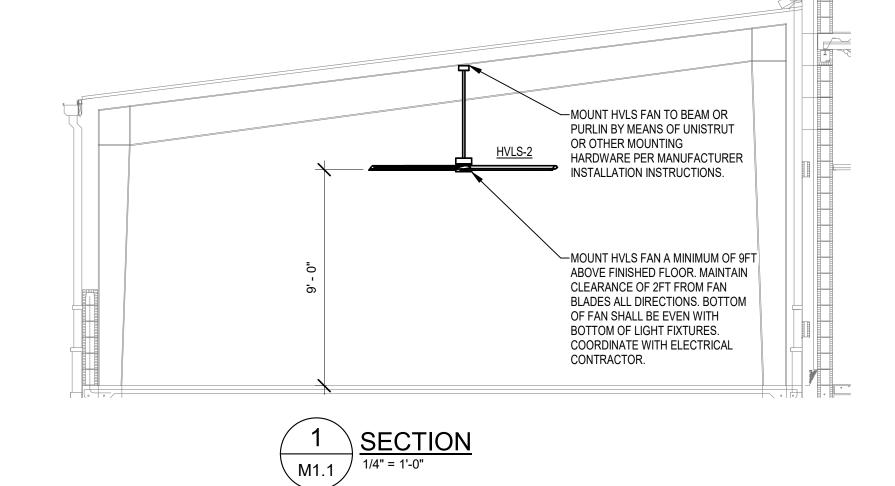
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GENERAL NOTES, LEGENDS, **SCHEDULES & SPECIFICATIONS** 







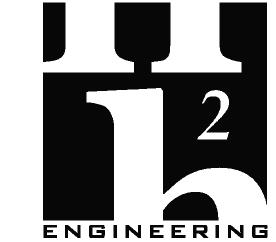


**KEY PLAN** 

AREA OF WORK

**BUILDING 9** 

**BUILDING 8** 



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# Florida Registry #2485 Mark P. Poindexter, P.E. #90615

Mark P. Poindexter, Professional Engineer, State of Florida, License No. 90615

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REVISIONS

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| PHASE                  |             | DRAWN | CHECKED | DATE     |
| SCHEMATIC DESIGN       |             |       |         | 07/15/24 |
| DESIGN DEVELOPMENT     |             | GAG   | ADW     | 09/25/24 |
| CONSTRUCTION DOCUMENTS |             | APA   | MPP     | 11/08/24 |
|                        |             |       |         |          |
|                        |             |       |         |          |



CONSULTANTS:

CHILES HIGH SCHOOL WELDING LAB

LEON COUNTY, FLORIDA

SHEET TITLE:

FLOOR PLANS

SHEET NUMBER:

NIS

FABRICATION LAB 08-107

