



Building Permit Application

Howard County Maryland
Department of Inspections, Licenses and Permits
3430 Court House Drive
Permits: 410-313-2455
www.howardcountymd.gov

DILP 2018 JUN 6 PM 3:18

Date Received:

Permit No.: **B18002011**

Building Address: **11600 Scaggsville Road**
 City: **Fulton** State: **MD** Zip Code: **20795**
 Suite/Apt. # _____ SDP/WP/BA #: _____
 Subdivision: _____
 Lot: _____ Tax Map: **0041** Parcel: **0115**

Existing Use: **Classroom Building**
 Proposed Use: **Same**
 Estimated Construction Cost: **\$46,000**
 Description of Work: **Replace Louver in Mechanical Room at Fulton Elementary School**

Occupant/Tenant Name: **HCPSS FES**
 Was tenant space previously occupied? Yes No
 Contact Name: _____
 Address: _____
 City: _____ State: _____ Zip Code: _____
 Phone: _____ Fax: _____
 Email: _____

Property Owner's Name: **Board of Education, Howard County**
 Address: **10910 Clarksville Pike**
 City: **Ellicott City** State: **MD** Zip Code: **21042**
 Phone: **410-313-8203** Fax: _____
 Email: _____

Applicant's Name & Mailing Address, (if other than stated herein)
 Applicant's Name: _____
 Address: _____
 City: _____ State: _____ Zip Code: _____
 Phone: _____ Fax: _____
 Email: _____

Contractor Company: **Nichols Contracting**
 Contact Person: **Robert Eggerl**
 Address: **508 Olney Sandy Spring Road**
 City: **Sandy Spring** State: **MD** Zip Code: **20860**
 License No.: **05 50403**
 Phone: **301-924-5258** Fax: **301-924-5245**
 Email: **reggerl@nicholscontracting.com**

Engineer/Architect Company: **GBEE**
 Responsible Design Prof.: **Larson Angel**
 Address: **8029 Somerville Lane**
 City: **Elkridge** State: **MD** Zip Code: **21075**
 Phone: **410-799-1080** Fax: **410-799-1081**
 Email: _____

| Commercial Building Characteristics | Residential Building Characteristics |
|--|--|
| Height: 1' | <input type="checkbox"/> SF Dwelling <input type="checkbox"/> SF Townhouse |
| No. of stories: 1 | Depth _____ Width _____ |
| Gross area, sq. ft./floor: _____ | 1 st floor: _____ |
| Area of construction (sq. ft.): 200 sf | 2 nd floor: _____ |
| Use group: E Type 11B | Basement: _____ |
| Construction type: | <input type="checkbox"/> Finished Basement |
| <input type="checkbox"/> Reinforced Concrete | <input type="checkbox"/> Unfinished Basement |
| <input checked="" type="checkbox"/> Masonry | <input type="checkbox"/> Crawl Space |
| <input type="checkbox"/> Wood Frame | <input type="checkbox"/> Slab on Grade |
| <input type="checkbox"/> State Certified Modular | No. of Bedrooms: _____ |
| <input type="checkbox"/> Structural Steel | Multi-family Dwelling |
| <input type="checkbox"/> State Certified Modular | No. of efficiency units: _____ |
| <input type="checkbox"/> State Certified Modular | No. of 1 BR units: _____ |
| <input type="checkbox"/> State Certified Modular | No. of 2 BR units: _____ |
| <input type="checkbox"/> State Certified Modular | No. of 3 BR units: _____ |
| <input type="checkbox"/> State Certified Modular | Other Structure: _____ |
| <input type="checkbox"/> State Certified Modular | Dimensions: _____ |
| <input type="checkbox"/> State Certified Modular | Footings: _____ |
| <input type="checkbox"/> State Certified Modular | Roof: _____ |
| <input type="checkbox"/> State Certified Modular | <input type="checkbox"/> State Certified Modular |
| <input type="checkbox"/> State Certified Modular | <input type="checkbox"/> Manufactured Home |

Utilities
 Electric: Yes No
 Gas: Yes No

Water Supply
 Public
 Private

Sewage Disposal
 Public
 Private

Heating System
 Electric Oil
 Natural Gas Propane Gas
 Other: _____

Sprinkler System:
 Yes No

Grading Permit Number: _____
 Building Shell Permit Number: _____

RECEIVED
JUN 01 2018
LICENSES & PERMITS
DIVISION

THE UNDERSIGNED HEREBY CERTIFIES AND AGREES AS FOLLOWS: (1) THAT HE/SHE IS AUTHORIZED TO MAKE THIS APPLICATION; (2) THAT THE INFORMATION IS CORRECT; (3) THAT HE/SHE WILL COMPLY WITH ALL REGULATIONS OF HOWARD COUNTY WHICH ARE APPLICABLE THERETO; (4) THAT HE/SHE WILL PERFORM NO WORK ON THE ABOVE REFERENCED PROPERTY NOT SPECIFICALLY DESCRIBED IN THIS APPLICATION; (5) THAT HE/SHE GRANTS COUNTY OFFICIALS THE RIGHT TO ENTER ONTO THIS PROPERTY FOR THE PURPOSE OF INSPECTING THE WORK PERMITTED AND POSTING NOTICES.

Applicant's Signature: _____ Robert M. Eggerl
 Print Name
 reggerl@nicholscontracting.com 5/23/2018
 Email Address Date
 Superintendent
 Title/Company

RECEIVED
JUN 06 2018
LICENSES & PERMITS
DIVISION

Checks Payable to: DIRECTOR OF FINANCE OF HOWARD COUNTY

****PLEASE WRITE NEATLY & LEGIBLY****
-FOR OFFICE USE ONLY-

| AGENCY | DATE | SIGNATURE OF APPROVAL |
|--------------------|---------|-----------------------|
| State Highways | | |
| Building Officials | | |
| PSZA (Zoning) | | |
| PSZA (Engineering) | | |
| Health | 6/18/18 | [Signature] |

Is Sediment Control approval required for Issuance? Yes No
 CONTINGENCY CONSTRUCTION START

DPZ SETBACK INFORMATION

| | |
|---------------------------------|--|
| Front: | |
| Rear: | |
| Side: | |
| Side St.: | |
| All minimum setbacks met? | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Is Entrance Permit Required? | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Historic District? | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Lot Coverage for New Town Zone: | |
| SDP/Red-line approval date: | |

| | |
|----------------|--------------|
| Filing Fee | \$ |
| Permit Fee | \$ |
| Tech Fee | \$ |
| Excise Tax | \$ |
| PSFS | \$ |
| Guaranty Fund | \$ |
| Add'l per Fee | \$ |
| Total Fees | \$ |
| Sub-Total Paid | \$ |
| Balance Due | \$ |
| Check # | HCPSS |

Distribution of Copies: White: Building Officials Green: PSZA, Zoning Yellow: PSZA, Engineering Pink: Health Gold: SHA

PRODUCT SPECIFICATIONS

- RELATED DOCUMENTS:**
- DRAWINGS AND GENERAL PROVISIONS OF THE CONTRACT, INCLUDING GENERAL AND SUPPLEMENTARY CONDITIONS AND DIVISION 01 SPECIFICATION SECTIONS, APPLY TO ALL MECHANICAL AND ELECTRICAL WORK.
- STEEL**
- STEEL SHALL CONFORM TO ASTM SPECIFICATION A36.
 - ALL STEEL SHALL BE SPOT PRIMED WITH A RUST INHIBITIVE PRIMER. EXTERIOR UNITS SHALL BE FIELD PAINTED WITH AN EPOXY-PRIMER/ENAMEL FINISH.
 - ANGLES SHALL HAVE THEIR SHORT LEG OUTSTANDING AND SHALL BE 6" MINIMUM BEARING.
- MASONRY**
- FOR OPENINGS IN EXISTING WALLS, THE EXISTING MASONRY SHALL BE CAREFULLY REMOVED AFTER THE WALL HAS REMAINED STABLE FOR A PERIOD OF TIME. ALL REMAINING MASONRY SHALL BE SUPPORTED. ANY REQUIRED CUTTING BEYOND THE MASONRY OPENING SHALL BE PATCHED WITH MASONRY AND MORTAR.
 - REUSE EXISTING BRICKS THAT ARE IN GOOD CONDITION. NEW MORTAR SHALL MATCH EXISTING MORTAR. IF NEW BRICKS ARE REQUIRED, THEY SHALL MATCH EXISTING BRICKS. BRICKS SHALL BE TOOTHED INTO THE EXISTING WALL.
- MOTOR OPERATED DAMPERS**
- GALVANIZED STEEL LOW-LEAKAGE BLADES, OPPOSED BLADE ACTION, 16 GAUGE FRAME, WITH 2-POSITION, 24VAC, NORMALLY-CLOSED SPRING-CLOSURE ACTUATOR AND END SWITCH.
- WIRING AND CONDUIT**
- ALL WIRING SHALL BE A MINIMUM NO. 12 AWG SOFT DRAWN COPPER, 90% CONDUCTIVITY, RATED FOR 75°C, 600 VOLT INSULATION, NEC TYPE THHN OR THWN, INSTALLED IN MINIMUM ¾" ELECTRICAL METALLIC TUBING (EMT).
- MANUAL MOTOR STARTERS**
- NEMA ICS 2, AC GENERAL-PURPOSE CLASS A MANUALLY OPERATED, FULL-VOLTAGE NONREVERSING CONTROLLER FOR FRACTIONAL HORSEPOWER INDUCTION MOTORS, SINGLE-POLE, TOGGLE OPERATOR, WITH THERMAL OVERLOAD UNIT, EQUAL TO SQUARE D CLASS 2510 TYPE F.
- AUTOMATIC TEMPERATURE CONTROLS**
- ALL ATC WIRING SHALL BE INSTALLED WITHIN EMT CONDUIT.

FAN SCHEDULE

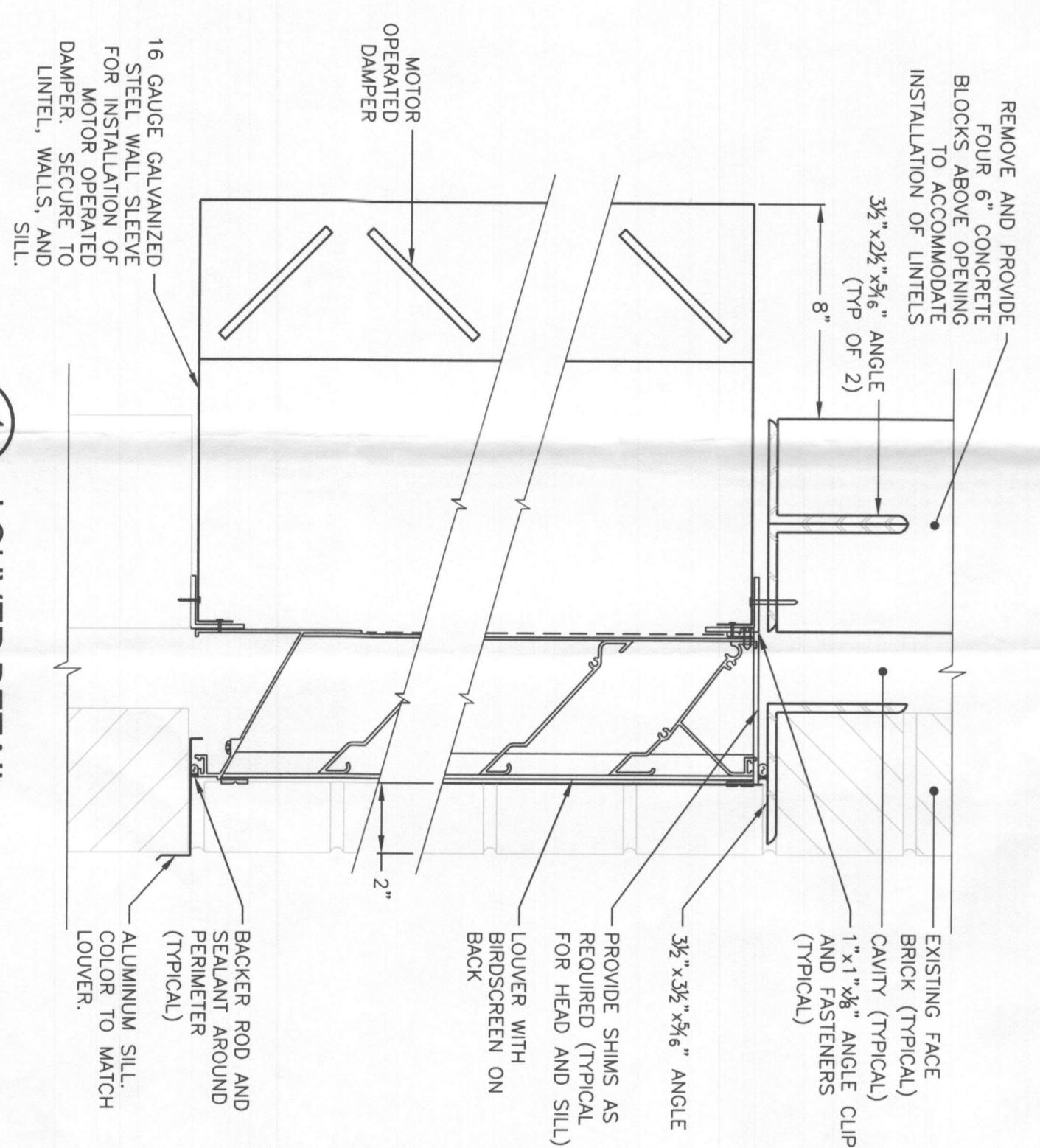
| DESIG. | SERVICE | TYPE | DRIVE | AIRFLOW (CFM) | TOTAL S.P. (IN. W.C.) | SPEED (RPM) | MOTOR (HP) | ELEC. (VOLT/PH) | NOTES |
|--------|------------|-----------|-------|---------------|-----------------------|-------------|------------|-----------------|----------------------|
| SAF-1 | SUPPLY AIR | PROPELLER | BELT | 2,000 | 0.125 | 719 | 1/4 | 120/1 | GREENHECK SRS-1H20-4 |

- NOTES:**
- OSHA MOTOR-SIDE PROTECTIVE GUARD TO COMPLETELY ENCLOSE THE MOTOR AND DRIVE SIDE OF THE FAN.

LOUVER SCHEDULE

| DESIG. | SERVICE | TYPE | SIZE (W x H) | DEPTH | FREE AREA (SQ FT) | MFG. HEIGHT (AFF TO TOP) | BASES OF DESIGN | NOTES |
|--------|----------------|----------------|--------------|-------|-------------------|--------------------------|-------------------------|-------|
| L-1 | COMBUSTION AIR | WEATHER LOUVER | 32" x 104" | 4" | 12.43 | SEE PLAN | GREENHECK MODEL ESJ-401 | 1.2 |
| L-2 | INTAKE AIR | WEATHER LOUVER | 32" x 32" | 4" | 3.38 | SEE PLAN | GREENHECK MODEL ESJ-401 | 1.2 |

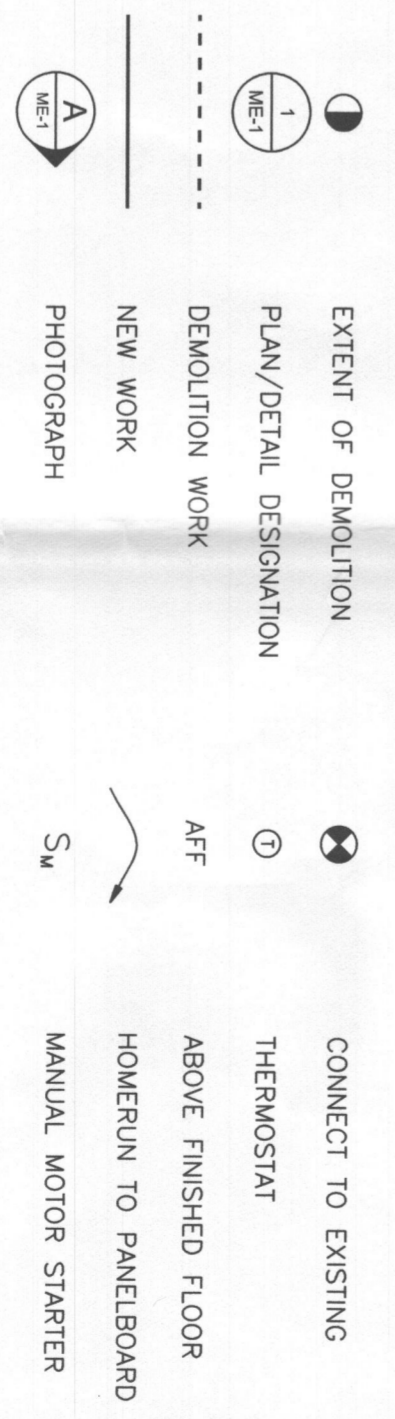
- NOTES:**
- COLOR SHALL BE: PUEBLO TAN - TRES; SPARTAN BRONZE - FES; CONDOMO RED - GCES.
 - PROVIDE BIRD SCREEN ON BACK OF LOUVER.



COMBUSTION AIR CALCULATION (EACH SCHOOL)

- COMBINED INPUT OF GAS-FIRED APPLIANCES: 5,112 MBH
 - REQUIRED FREE AREA OF COMBUSTION AIR OPENING: 11.83 SQ. FT.
 - FREE AREA OF COMBUSTION AIR LOUVER: 12.43 SQ. FT.
- NOTE:** SUPPLY AIR FAN SAF-1 IS NOT PART OF THE COMBUSTION AIR SYSTEM.

LEGEND



GREEN BUILDING ENERGY ENGINEERS, LLC
MECHANICAL, ELECTRICAL, PLUMBING
1820 Maryland Lane
Laurel, MD 20783
Tel: 410-294-0888
Fax: 410-294-0889
www.GreenBuildingEnergyEngineers.com



Professional Certification: I certify that these drawings were prepared by me or under my direct supervision and that I am a duly licensed engineer under the laws of the State of Maryland, License Number 20333, expiration date 8/3/2018.

OWNER
Howard County Public School System
9030 Mendelssohn Court
Columbia, MD 21046

PROJECT

TRIADELPHIA RIDGE, FULTON, AND GORMAN CROSSING ELEMENTARY SCHOOLS COMBUSTION AIR OPENINGS

| | | |
|--|--|---|
| Triadelphia Ridge ES 13400 Triadelphia Road Ellicott City, MD 21042 | Fulton ES 11600 Scaggsville Road Fulton, MD 20759 | Gorman Crossing ES 9999 Winter Sun Road Laurel, MD 20723 |
|--|--|---|

KEY PLAN

| NO. | DESCRIPTION | DATE |
|-----|--------------|----------|
| 01 | SD DOCUMENTS | 02/16/18 |

DRAWING

SCHEDULES, DETAILS, AND PRODUCT SPECIFICATIONS

RECEIVED
JUN 06 2018
LICENSES & PERMITS DIVISION

RECEIVED
JUN 07 2018
LICENSES & PERMITS DIVISION

| | |
|-------------|-------|
| DRAWN BY | WLA |
| CHECKED BY | WLA |
| PROJECT NO. | 17022 |
| SCALE | NONE |
| SHEET | |

ME-4