

3-305910

PERMIT NUMBER: B

20085842

ACCEPTED:

RECEIVED
MAR 14 2022



COMMERCIAL BUILDING PERMIT APPLICATION & PERMITS DIVISION

HOWARD COUNTY DEPARTMENT OF INSPECTIONS, LICENSES, AND PERMITS

3430 COURT HOUSE DRIVE, ELLICOTT CITY, MD 21043 - PHONE: (410) 313-2455 OPTION #4
www.howardcountymd.gov

BUILDING SITE ADDRESS REQUIRED

| | | |
|---|------------------|------------------------|
| Street Address: 2350 Marriottsville Road | | Unit: |
| City: Marriottsville | State: MD | Zip Code: 21104 |
| Subdivision/Village/Complex Name: | | SDP/WP/BA #: |
| Lot: | Tax Map: | Parcel: |
| Grading Permit #: | | |

DESCRIPTION OF WORK REQUIRED

| | | |
|--|---------------------------------------|-----------------------------------|
| Existing Use: transfer station | Proposed Use: transfer station | Estimated Cost: \$ 150,000 |
| Trade Work to Be Completed (Separate Permits Required): <input checked="" type="checkbox"/> Mechanical (HVACR) <input checked="" type="checkbox"/> Electrical <input type="checkbox"/> Plumbing <input type="checkbox"/> None | | |
| Exhaust improvements to ex. Alpha Ridge Landfill Transfer Station. Rooftop exhausts are failing and will be abandoned in place. Replace ex make-up air louvers with propeller-type exhaust units. Doors are open 24/7. Louvers not needed | | |

PROPERTY OWNER INFORMATION REQUIRED

| | | |
|--|------------------|------------------------|
| Owner(s) Name(s) (As it appears on tax records): Howard County Md | | |
| Owner's Street Address: 3430 Court House Dr | | |
| City: Ellicott City | State: Md | Zip Code: 21043 |
| Phone: | Email: | |

TENANT INFORMATION REQUIRED

| | |
|---|----------------------------------|
| Business Name: Alpha Ridge Landfill | Contact Name: Howard Hord |
| Street Address: 2350 Marriottsville Road | |
| City: Marriottsville | State: Md |
| Phone: (410) 313-5418 | Zip Code: 21104 |
| Email: hhord@howardcountymd.gov | |

APPLICANT NAME REQUIRED - INDIVIDUAL WHO SIGNS THIS APPLICATION

| | |
|--|---------------------------------------|
| Business Name: Howard County DPW | Contact Name: Michael Kaminetz |
| Street Address: 9200 Berger Road | |
| City: Columbia | State: Md |
| Phone: (410) 313-5781 | Zip Code: 21046 |
| Email: mkaminetz@howardcountymd.gov | |

CONTRACTOR INFORMATION REQUIRED

| | |
|---|-------------------------|
| Business Name: Emjay Mechanical | License #: 57952 |
| Licensee's Name: Michael A. Lohman | |
| Street Address: 1706 Whitehead Rd | |
| City: Baltimore | State: MD |
| Phone: (410) 298-2000 | Zip Code: 21207 |
| Email: lohmanm@emjaycons.com | |

ARCHITECT/ENGINEER INFORMATION REQUIRED - INDIVIDUAL WHO SIGNED PLANS

| | |
|---|------------------------|
| Business Name: Kibart Consulting Engineers | Name: Ed Abbott |
| Street Address: 901 Dulaney Valley Road, Suite 301 | |
| City: Towson | State: Md |
| Phone: (410) 494-1111 | Zip Code: 21204 |
| Email: pea@kibart.com | |

BUILDING CHARACTERISTICS (PLEASE SELECT/COMPLETE ALL THAT APPLY)

| | | |
|---|---|---|
| Utilities: <input checked="" type="checkbox"/> Electric <input type="checkbox"/> Gas | Water Supply: <input type="checkbox"/> Public <input type="checkbox"/> Private (Well) | Sewage Disposal: <input checked="" type="checkbox"/> Public <input type="checkbox"/> Private (Septic) |
| Heating System: <input type="checkbox"/> Electric <input type="checkbox"/> Natural Gas <input type="checkbox"/> Propane <input type="checkbox"/> Other: | | Roadside Tree Project: <input type="checkbox"/> No <input type="checkbox"/> Yes:# |
| Sprinkler System: <input type="checkbox"/> NFPA 13 <input type="checkbox"/> NFPA 13R <input type="checkbox"/> None | | Fire Alarm System: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Voice Evac |

ADDITIONAL COMMERCIAL INFORMATION (PLEASE SELECT/COMPLETE ALL THAT APPLY)

| | | | |
|--|-------------------------|--|------------------------|
| Area of Construction: _____ sq ft | Gross Area: _____ sq ft | Height: 20 ft | # of Stories: 1 |
| Construction Classification(s): | | Use Group: | |
| Was the tenant space previously occupied? <input type="checkbox"/> Yes <input type="checkbox"/> No | | Shell Building Permit # (for interior completions): N/A | |

ADDITIONAL MULTI-FAMILY INFORMATION IF APPLICABLE

| | | | |
|--|-----------------|-------------------------|------------------------------|
| # of efficiency units (MF): | # of 1 BR (MF): | # of 2 BR (MF): | # of 3 BR (MF): |
| Energy Method: <input type="checkbox"/> Performance <input type="checkbox"/> UA Alternative <input type="checkbox"/> ERI <input type="checkbox"/> A 90.1 | | Gross Area: _____ sq ft | Occupiable Area: _____ sq ft |

AGREEMENT/ DISCALIMER REQUIRED

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 ORIGINAL SIGNATURE:  DATE SIGNED: **3-14-22**

FOR OFFICE USE ONLY

CHECKS PAYABLE TO: DIRECTOR OF FINANCE OF HOWARD COUNTY

| | | | | |
|--|---|---|--|------------------------------|
| AGENCIES REQUIRED/APPROVALS: | | | | |
| <input checked="" type="checkbox"/> PR | <input checked="" type="checkbox"/> DPZ | <input checked="" type="checkbox"/> DED | <input checked="" type="checkbox"/> Health 98 3/21/22 | <input type="checkbox"/> SHA |
| PERMIT FEES: | | PAYMENT: | | ACCEPTED BY: |

no redline from not touching ground

| MECHANICAL LEGEND | |
|-------------------|------------------------------|
| ABBREVIATION | DESCRIPTION |
| ADJ. | ADJUSTABLE |
| ALT. | ALTERNATE |
| AFB | ABOVE FINISHED FLOOR |
| AFG | ABOVE FINISHED GRADE |
| APD | AIR PRESSURE DROP |
| BFF | BELOW FINISHED FLOOR |
| BFG | BELOW FINISHED GRADE |
| BG | BUILDING |
| BS | BIRD SCREEN |
| CONT. | CONTINUATION |
| CONN. | CONNECTION |
| DTL. | DETAIL |
| DWG. | DRAWING |
| DN | DOWN |
| EA | EXHAUST AIR |
| EAG | EXHAUST AIR GRILLE |
| EAR | EXHAUST AIR REGISTER |
| ESP | EXTERNAL STATIC PRESSURE |
| EXH. | EXHAUST |
| EX. | EXISTING |
| EXTR. | EXISTING TO REMAIN |
| EMER. | EMERGENCY |
| ELEV. | ELEVATION |
| FTE | FINISHED FLOOR ELEVATION |
| FLR. | FLOOR |
| FBO | FURNISHED BY OTHERS |
| HP | HORSE POWER |
| INV. ELEV. | INVERT ELEVATION |
| MFG. | MANUFACTURER |
| MBH | ONE THOUSAND BTU PER HOUR |
| MAX. | MAXIMUM |
| MIN. | MINIMUM |
| MTD | MOUNTED |
| NO | NORMALLY OPENED |
| NC | NORMALLY CLOSED |
| NOT IN CONTRACT | NOT IN CONTRACT |
| NTS | NOT TO SCALE |
| OC | ON CENTER |
| OED | OPEN END DUCT |
| PSIG | POUNDS PER SQUARE INCH GAUGE |
| RM | ROOM |
| RX | REMOVE EXISTING |
| SF | SQUARE FEET |
| SHT. | SHEET |
| SPEC. | SPECIFICATIONS |
| TYP. | TYPICAL |
| V/PHZ | VOLTS/PHASE/HERTZ |
| VERT. | VERTICAL |
| VFD | VARIABLE FREQUENCY DRIVE |
| W | WITH |

| MECHANICAL LEGEND | | |
|-------------------|--------------|-----------------------------------|
| SYMBOL | ABBREVIATION | DESCRIPTION |
| --- | RX | REMOVE EXISTING |
| --- | EX | EXISTING |
| --- | S.O. | SCREENED OPENING |
| --- | EA | EXHAUST AIR DUCT; UP, DOWN |
| --- | | EXHAUST AIR REGISTER OR GRILLE |
| --- | BDD | BACK DRAFT DAMPER - GRAVITY |
| --- | | CONNECT TO EXISTING AT THIS POINT |
| --- | | REMOVE EXISTING TO THIS POINT |
| --- | DIA | DIAMETER |
| --- | NO. | NUMBER |
| --- | CFM | CUBIC FEET PER MINUTE |
| --- | | SECTION MARKER |
| --- | | SECTION LETTER |
| --- | | SHEET WHERE SECTION IS SHOWN |
| --- | | DRAWING NOTE REFERENCE SYMBOL |
| --- | | REVISION REFERENCE SYMBOL |

GENERAL DEMOLITION PROJECT NOTES

- NOTIFY THE OWNER, IN WRITING, AT LEAST FOURTEEN (14) DAYS IN ADVANCE OF ALL REQUIRED SHUTDOWNS OF WATER, SEWER, FIRE PROTECTION, GAS, ELECTRICAL SERVICE, OR OTHER UTILITIES. UPON WRITTEN RECEIPT OF APPROVAL FROM OWNER, SHUTDOWNS SHALL BE PERFORMED AS DIRECTED BY THE OWNER AT NO ADDITIONAL CONTRACT COST. AT THE END OF EACH WORK DAY, SHUT DOWN SERVICES SHALL BE RESTORED SO THAT NORMAL USE OF UTILITIES CAN CONTINUE.
- WHEN WORKING IN AND AROUND THE EXISTING BUILDING, CARE SHALL BE EXERCISED WITH REGARDS TO PROTECTION OF EXISTING STRUCTURE AND MECHANICAL AND ELECTRICAL SERVICES WHICH SHALL REMAIN.
- REPAIR, REPLACE, OR RESTORE TO THE SATISFACTION OF THE OWNER, ALL EXISTING WORK DAMAGED IN THE PERFORMANCE OF THE DEMOLITION AND/OR NEW WORK.
- EXISTING CONDITIONS (DUCTWORK, PIPING, EQUIPMENT, AND MATERIAL(S) INDICATED ON THE CONTRACT DOCUMENTS ARE NOT WARRANTED TO REPRESENT ALL EXISTING AS-BUILT CONDITIONS. FIELD VERIFY EXACT LOCATIONS OF ALL DUCTWORK, PIPING, EQUIPMENT, AND MATERIALS IN THE FIELD PRIOR TO COMMENCING WITH NEW AND DEMOLITION WORK. EXISTING DUCT, PIPE, AND EQUIPMENT SIZES ARE NOT WARRANTED TO BE COMPLETELY CORRECT. FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO ORDERING MATERIALS AND INSTALLING NEW WORK.
- PATCH TO MATCH ALL NEW AND EXISTING OPENINGS IN WALLS, CEILING, AND FLOOR SURFACES DAMAGED OR CREATED BY DEMOLITION WORK. PATCHING SHALL MATCH EXISTING ADJACENT SURFACES AS TO THICKNESS, TEXTURES, MATERIALS, AND COLOR. ALL PATCHING SHALL BE PERFORMED TO THE SATISFACTION OF THE ARCHITECT AND AT NO ADDITIONAL CONTRACT COST.
- ALL DEMOLISHED EQUIPMENT SHALL BE OFFERED TO THE OWNER PRIOR TO DISPOSAL. EQUIPMENT RETAINED BY THE OWNER SHALL BE STORED WHERE DIRECTED BY THE OWNER. ANY EQUIPMENT THE OWNER DOES NOT WISH TO RETAIN SHALL BE DISPOSED OF, OFF SITE, BY THE CONTRACTOR.
- ALL ABANDONED DUCTWORK, PLUMBING PIPING, MECHANICAL SYSTEMS PIPING, AND ATC CONTROL WIRING LOCATED IN PLENUM CEILING SPACES SHALL BE REMOVED.
- METAL MATERIALS TO BE DISPOSED SHALL BE RECYCLED AT THE LANDFILL SCRAP METAL PILE.

GENERAL MECHANICAL PROJECT NOTES

- ALL TEMPORARY UTILITY OUTAGES OF ANY TYPE SHALL BE COORDINATED WITH THE USER. PROVIDE TWO WEEKS ADVANCE NOTIFICATION PRIOR TO PERFORMING ANY TEMPORARY OUTAGES.
- ALL DUCTWORK SIZES SHOWN ARE INSIDE CLEAR DIMENSIONS.
- COORDINATE MOTORS AND OTHER ELECTRICAL EQUIPMENT FURNISHED UNDER MECHANICAL DIVISIONS WITH ELECTRICAL DIVISION. PROVIDE EQUIPMENT COORDINATION TABLE AS A SHOP DRAWING FOR REVIEW. TABLE SHALL INCLUDE BUT NOT BE LIMITED TO THE FOLLOWING INFORMATION:
 - EQUIPMENT POWER REQUIREMENTS INCLUDING AMPS AND VOLTAGES.
 - DISCONNECTING MEANS AND OVER CURRENT PROTECTION REQUIREMENTS.
 - CONTROL REQUIREMENTS.
- LOCATE ALL EQUIPMENT WHICH MUST BE SERVICED, OPERATED, AND MAINTAINED IN A FULLY ACCESSIBLE POSITION. EQUIPMENT SHALL INCLUDE, BUT NOT BE LIMITED TO VALVES, TRAPS, MOTORS, CONTROLLERS, DRAIN POINTS, ETC. IF REQUIRED FOR ACCESSIBILITY, FURNISH ACCESS DOORS FOR THIS PURPOSE. COORDINATE LOCATION OF ACCESS DOORS WITH ARCHITECT. MINOR DEVIATIONS FROM DRAWINGS MAY BE MADE TO ALLOW FOR BETTER ACCESSIBILITY.
- PROVIDE WEATHER TIGHT WALL AND ROOF DUCT AND PIPING PENETRATIONS. ALL SEALING MATERIALS TO BE APPROVED BY ARCHITECT.
- EXISTING CONDITIONS (DUCTWORK, PIPING, EQUIPMENT, AND MATERIAL(S) INDICATED ON THE CONTRACT DOCUMENTS ARE NOT WARRANTED TO REPRESENT ALL EXISTING AS-BUILT CONDITIONS. FIELD VERIFY EXACT LOCATIONS OF ALL DUCTWORK, PIPING, EQUIPMENT, AND MATERIALS IN THE FIELD PRIOR TO COMMENCING WITH NEW AND DEMOLITION WORK. EXISTING DUCT, PIPE, AND EQUIPMENT SIZES ARE NOT WARRANTED TO BE COMPLETELY CORRECT. FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO ORDERING MATERIALS AND INSTALLING NEW WORK.
- THE DRAWINGS ARE DIAGRAMMATIC AND DO NOT INDICATE EVERY COMPONENT AND/OR ACCESSORY REQUIRED FOR A COMPLETE INSTALLATION. PROVIDE NECESSARY AND REQUIRED COMPONENTS AND ACCESSORIES TO ENSURE THAT THE ENTIRE SYSTEM IS FUNCTIONAL AND IN COMPLIANCE WITH APPLICABLE CODES, ACCEPTED INDUSTRY STANDARDS, AND MANUFACTURER'S INSTALLATION REQUIREMENTS/RECOMMENDATIONS UPON COMPLETION OF WORK.
- ALL OUTSIDE AIR LOUVERS (INTAKE, EXHAUST, OR RELIEF) SHALL BE FITTED WITH 1/2" MESH BIRD SCREENS MOUNTED BEHIND LOUVERS. ALL UNUSED PORTIONS OF OUTSIDE AIR LOUVERS (INTAKE, EXHAUST, OR RELIEF) SHALL BE BLANKED OFF AIRTIGHT WITH 22-GAUGE GALVANIZED SHEET METAL AND 2 INCH RIGID INSULATION. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

EXHAUST FAN SCHEDULE

| FAN DESIGNATION | CFM | ESP (IN H ₂ O) | DRIVE (BELT (BD) / DIRECT (DD)) | FAN TYPE | HP (WATTS) | BHP | MOTOR RPM | SOUND LEVEL (SONES) | ELEC. CHAR. (V/PHZ) | BASIS OF DESIGN | | ACCESSORIES | NOTES |
|-----------------|--------|---------------------------|---------------------------------|----------|------------|-------|-----------|---------------------|---------------------|-----------------|---------------|-------------|-------|
| | | | | | | | | | | MFG. | MODEL | | |
| EF-1 | 76,000 | 0.345" | BD | SP | 15 | 17.73 | 788 | 101 | 460/3/60 | GREENHECK | SBCE-3H72-150 | A,B,N,O,T | 1,2 |
| EF-2 | 76,000 | 0.345" | BD | SP | 15 | 17.73 | 788 | 101 | 460/3/60 | GREENHECK | SBCE-3H72-150 | A,B,N,O,T | 1,2 |
| EF-3 | 16,600 | 0.5" | DD | RMAU | 5 | 3.1 | 757 | 44 | 460/3/60 | GREENHECK | RDU-48-621-VG | A,B,M,O,T | 1,2,3 |
| EF-4 | 16,600 | 0.5" | DD | RMAU | 5 | 3.1 | 757 | 44 | 460/3/60 | GREENHECK | RDU-48-621-VG | A,B,M,O,T | 1,2,3 |
| EF-5 | 16,600 | 0.5" | DD | RMAU | 5 | 3.1 | 757 | 44 | 460/3/60 | GREENHECK | RDU-48-621-VG | A,B,M,O,T | 1,2,3 |
| EF-6 | 16,600 | 0.5" | DD | RMAU | 5 | 3.1 | 757 | 44 | 460/3/60 | GREENHECK | RDU-48-621-VG | A,B,M,O,T | 1,2,3 |

ACCESSORIES:

A: DISCONNECT SWITCH I: WALL MOUNTED THERMOSTAT Q: DUCT ADAPTER
 B: BACKDRAFT DAMPER J: DISCHARGE HOOD R: EXHAUST GRILLE
 C: PREFAB ROOF CURB K: INTERLOCK WITH ROOM LIGHT SWITCH S: UL 762
 D: BIRDSCREEN L: W/ WALL LOUVER DISCHARGE T: EXPLOSION PROOF MOTOR / FAN
 E: ACOUSTICAL LINING M: R/C, ROOF CAP (FLAT ROOF); RL: ROOF CAP (PITCHED ROOF) U: PROVIDE WITH FAN SPEED CONTROLLER
 F: HANGING BRACKET WITH VIBRATION ISOLATOR N: WALL MOUNTED COLLAR V: ALUMINUM CONSTRUCTION
 G: WALL MOUNTED PUSH BUTTON SWITCH / STARTER O: MOTOR SIDE FAN GUARD W: STAINLESS STEEL CONSTRUCTION
 H: WALL MOUNTED SWITCH (TIMER 0-4 HOUR) P: 2" WASHABLE ALUMINUM FILTER X: FIBERGLASS LINED OR CONSTRUCTED

FAN TYPES:
 EWALL PROPELLER R.M.A.U. = ROOF MOUNTED AXIAL UPBLAST

REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION, AND ACCESSORIES ASSOCIATED WITH FAN.

2. PROVIDE NEMA EFFICIENT MOTOR.
 3. ADD ALT. #1.

ADD ALTERNATE #1 - REPLACE ROOFTOP EXHAUST FANS

K

NOT ACCEPTED
 HOWARD COUNTY REMOVING LOUVERS
 AND REPLACING WITH EXHAUSTERS

M. KAMINEZ
 H.C. DPW
 X 5781

ELECTRICAL LEGEND

| SYMBOL | DESCRIPTION |
|--------|---|
| --- | DRAWING NOTE |
| --- | EXISTING OR FUTURE EQUIPMENT, AS NOTED THIN/SOLID |
| --- | EXISTING EQUIPMENT TO BE REMOVED, HEAVY/DASHED |
| --- | NEW EQUIPMENT, AS NOTED HEAVY/SOLID |
| --- | 20 AMP SWITCH - LINE VOLTAGE, SINGLE POLE; 3-WAY; 4-WAY. SUBSCRIPT IDENTIFIES FIXTURE CONTROLLED |
| --- | BRANCH CIRCUIT PANELBOARD; SURFACE MOUNTED, FLUSH MOUNTED |
| --- | DISCONNECT SWITCH - 3P-30A (UNLESS OTHERWISE NOTED); FUSED, NON-FUSED |
| --- | MAGNETIC MOTOR STARTER; COMBINATION STARTER/DISCONNECT |
| --- | VARIABLE FREQUENCY DRIVE (FURNISHED BY MECH DIV., INSTALLED BY ELEC DIV.) |
| --- | CONDUIT AND WIRE OR CABLE ROUTED WITHIN WALLS OR CEILING SPACE OR ROUTED EXPOSED ON WALLS OR CEILINGS. CROSSLINES INDICATE THE NUMBER OF CONDUCTORS IF MORE THAN TWO (NOT INCLUDING GROUND) |
| --- | HOMERUN TO PANELBOARD. NUMBER OF ARROWS INDICATES THE NUMBER OF CIRCUITS |

ELECTRICAL ABBREVIATIONS

| | | | |
|------|----------------------------|------|----------------------------------|
| A | AMPERE | KW | KILOWATT |
| AFB | ABOVE FINISHED FLOOR | MAX | MAXIMUM |
| AFG | ABOVE FINISHED GRADE | MCA | MINIMUM CIRCUIT AMPS |
| AIC | AMPS INTERRUPTING CURRENT | MCB | MAIN CIRCUIT BREAKER |
| ALT | ALTERNATE | MFG | MANUFACTURER |
| AWG | AMERICAN WIRE GAUGE | M.H. | MOUNTING HEIGHT |
| BLDG | BUILDING | MIN | MINIMUM |
| C | CONDUIT | MLO | MAIN LUGS ONLY |
| CB | CIRCUIT BREAKER | MOCP | MAXIMUM OVERCURRENT PROTECTION |
| CKT | CIRCUIT | MTD | MOUNTED |
| CLG | CEILING | NFSS | NON-FUSED SAFETY SWITCH |
| DWG | DRAWING | P | POLE |
| EF | EXHAUST FAN | PNL | PANEL |
| EMT | ELECTRICAL METALLIC TUBING | PVC | POLYVINYL CHLORIDE (SCHEDULE 40) |
| ENCL | ENCLOSURE | QTY | QUANTITY |
| ETR | EXISTING TO REMAIN | RGS | RIGID GALVANIZED STEEL |
| EX | EXISTING | RM | ROOM |
| F | FUSED | RX | REMOVE EXISTING |
| FSS | FUSED SAFETY SWITCH | SW | SWITCH |
| GND | GROUND | TYP | TYPICAL |
| HP | HORSEPOWER | V | VOLTS |
| IMC | INTERMEDIATE METAL CONDUIT | W | WIRE |
| KV | KILOVOLTS | WP | WEATHERPROOF |
| KVA | KILOVOLT-AMPERE | φ | PHASE |

GENERAL ELECTRICAL DEMOLITION NOTES

- INFORMATION SHOWN ON THIS DRAWING PERTAINING TO EXISTING CONDITIONS HAS BEEN OBTAINED FROM EXISTING DRAWINGS OR GENERAL FIELD OBSERVATIONS AND MAY NOT INDICATE ACTUAL EXISTING CONDITIONS IN DETAIL OR DIMENSION. CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE ACTUAL CONDITIONS AND EFFECT ON HIS WORK PRIOR TO FABRICATION, ROUGHIN, MATERIAL ORDERS OR PERFORMANCE OF THE WORK. SHOULD CONDITIONS BE DISCOVERED THAT PREVENT EXECUTION OF THE WORK AS INDICATED, IMMEDIATELY NOTIFY THE ARCHITECT IN WRITING FOR DIRECTION BEFORE PROCEEDING WITH THE WORK.
- REMOVE ALL EQUIPMENT INDICATED, INCLUSIVE OF ASSOCIATED CONDUIT, WIRING, BOXES, SUPPORTS, ETC. BACK TO SOURCE OR LAST REMAINING DEVICE ON SAME CIRCUIT, UNLESS NOTED OTHERWISE.
- WHERE EXISTING CIRCUITS SERVE ITEMS INDICATED TO REMAIN AND THESE CIRCUITS ARE INTERRUPTED BY DEMOLITION OR RELOCATION WORK OF OTHER ITEMS IN THE CIRCUIT, THE FOLLOWING SHALL APPLY: AS SOON AS POSSIBLE, THE EXISTING CIRCUITS SHALL BE MADE CONTINUOUS AND RECONNECTED SUCH THAT POWER IS RESTORED TO EXISTING TO REMAIN ITEMS. MODIFY/EXTEND EXISTING WIRING AND CONDUIT AS NECESSARY.
- DEMOLITION SHALL INCLUDE REMOVAL OF ELECTRICAL EQUIPMENT AND ASSOCIATED COMPONENTS AND MATERIALS. DO NOT ABANDON IN PLACE ANY ITEMS UNLESS NOTED ON THE DRAWINGS. EQUIPMENT REMOVED SHALL BE OFFERED TO THE OWNER PRIOR TO DISPOSAL, AND IF DESIRED, SHALL BE STORED ON SITE, WHERE INSTRUCTED. ALL MATERIALS NOT TO BE RETAINED BY OWNER SHALL BE REMOVED FOR OFF-SITE, LEGAL DISPOSAL.
- UNLESS NOTED OTHERWISE, ELECTRICAL ITEMS SHOWN HEAVY/DASHED (---) SHALL BE REMOVED AND/OR RELOCATED. ELECTRICAL ITEMS SHOWN LIGHT/SOLID (---) ARE EXISTING TO REMAIN. ELECTRICAL ITEMS SHOWN HEAVY/SOLID (---) REPRESENTS NEW WORK.
- THE EXISTING FACILITY SHALL REMAIN IN OPERATION DURING CONSTRUCTION. ALL INTERRUPTIONS TO UTILITIES OR SERVICES MUST BE COORDINATED WITH THE OWNER OR USING AGENCY TO MINIMIZE DISRUPTIONS. PROVIDE NOTICE TO THE FACILITY AND OWNER 15 DAYS IN ADVANCE OF PLANNED OUTAGES.
- WHENEVER THE BUILDING IS OCCUPIED DURING THE WORK, EXISTING FIRE ALARM AND LIFE SAFETY SYSTEMS SHALL BE KEPT IN OPERATION.
- NOTIFY OWNER OF ANY DAMAGED OR NON-WORKING ITEMS PRIOR TO REMOVAL. ANY EQUIPMENT DAMAGED DURING REMOVAL AND/OR RELOCATION SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE WITH EQUIPMENT EQUAL TO EXISTING.
- ANY OPENINGS LEFT IN CEILINGS/WALLS SHALL BE PATCHED AND FINISHED TO MATCH EXISTING ADJACENT SURFACES. WHERE DEVICES ARE REMOVED FROM CEILING TILES, PROVIDE REPLACEMENT TILES TO MATCH EXISTING.

GENERAL ELECTRICAL PROJECT NOTES

- THE FACILITY IS OPEN MONDAY THROUGH SATURDAY 8:00AM TO 4:00 PM, AND WORK UNDER THIS CONTRACT SHALL NOT TAKE PLACE DURING THESE PERIODS. DEMOLITION AND NEW WORK FOR THIS PROJECT SHALL BE DONE DURING OFF HOURS WHEN FACILITY IS NOT OPEN. COORDINATE EXACT SCHEDULING OF WORK WITH OWNER.
- DRAWINGS ARE DIAGRAMMATIC AND GENERALLY REPRESENTATIVE OF THE WORK REQUIRED. VERIFY ALL WORK ON SITE AND REPORT ANY CONFLICTS TO THE ENGINEER FOR REVIEW PRIOR TO PROCEEDING WITH WORK OR CHANGES.
- PROVIDE NEW TYPED CIRCUIT DIRECTORIES FOR EXISTING PANELS IN WHICH CIRCUITS WERE MODIFIED.
- ALL CONDUCTORS SHALL BE COPPER. SUBSTITUTION OF ALUMINUM CONDUCTORS IS NOT PERMITTED.
- ALL BRANCH CIRCUITS AND FEEDERS SHALL INCLUDE AN EQUIPMENT GROUNDING CONDUCTOR. CONDUIT IS NOT PERMITTED AS THE SOLE GROUND PATH.
- UNLESS NOTED OTHERWISE, ALL WIRING AND CONDUIT/CABLING SHOWN ON FLOOR PLANS IS FOR DIAGRAMMATIC PURPOSES ONLY. COORDINATE EXACT INSTALLATION REQUIREMENTS WITH FIELD CONDITIONS AND INSTALL PER SPECIFICATIONS.

CONSULTING ENGINEER

KIBART
CONSULTING ENGINEERS

901 Calhoun Valley Road, Suite 501
Towson, MD 21284
Phone: 410-484-1111
Fax: 410-484-1112

PROFESSIONAL CERTIFICATION: I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A FULLY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.

LICENSE No : 17650
EXPIRATION DATE : 01/17/22

STATE OF MARYLAND
PROFESSIONAL ENGINEER

PROJECT TITLE :

**HOWARD COUNTY
ALPHA RIDGE
TRANSFER
STATION**

A/E PROJECT NO. : 180015
 DRAFTED BY: GHT
 DESIGNED BY: JIM
 CHECKED BY: JIM
 DATE : 11/05/2021

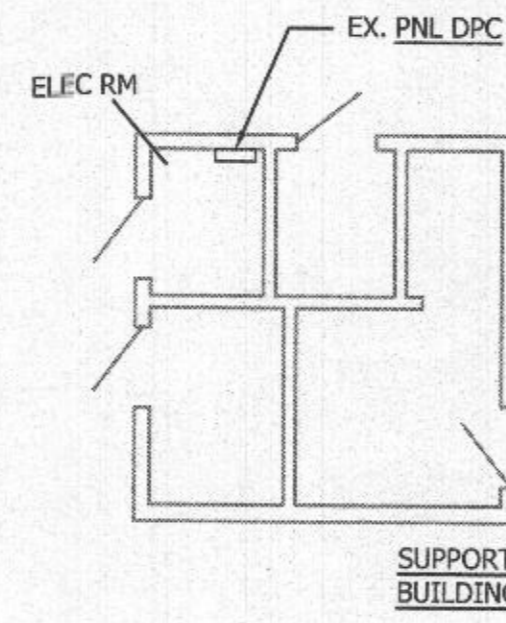
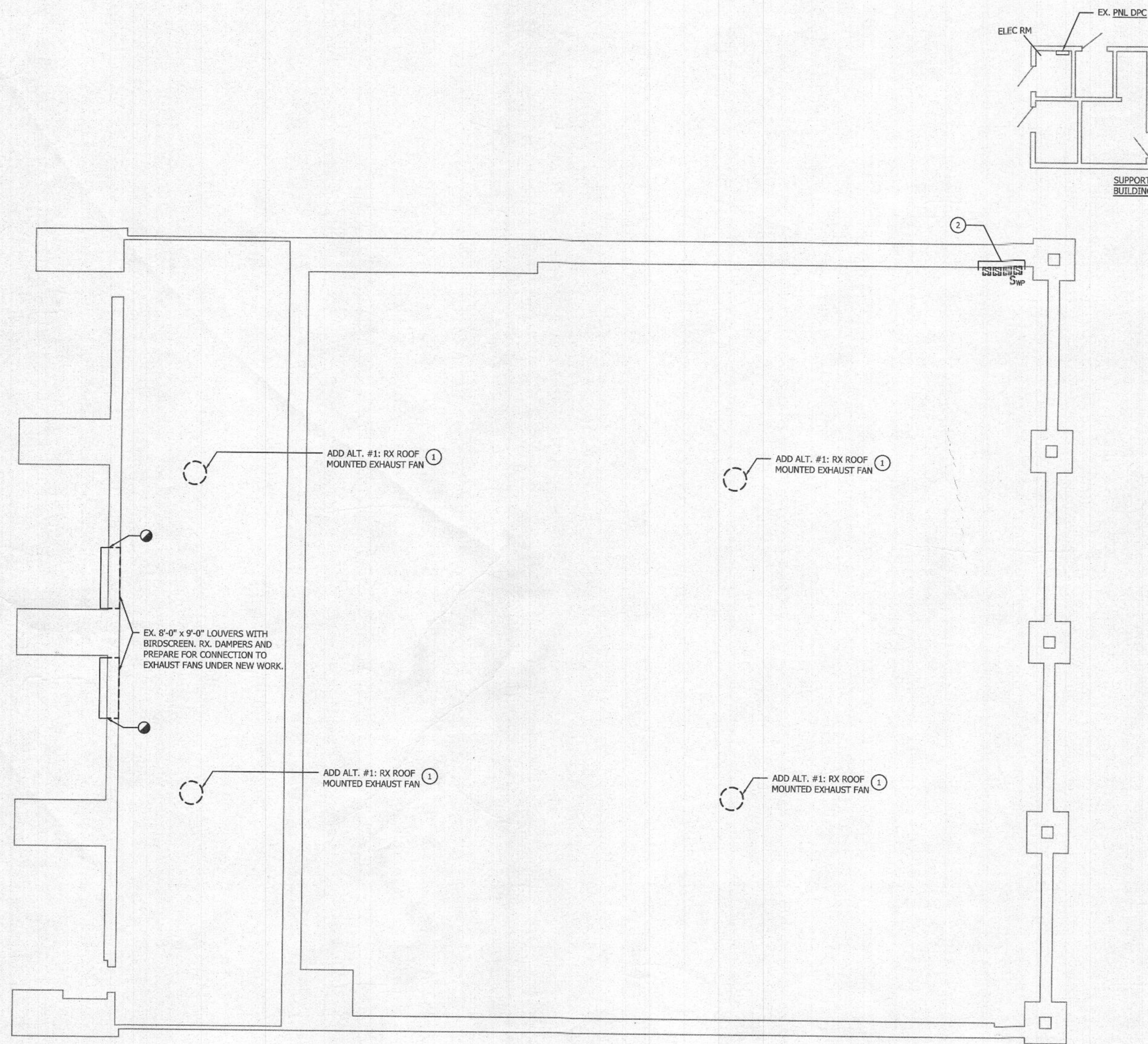
| REVISIONS | | |
|-----------|------|------|
| NO | DATE | ITEM |
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SHEET TITLE :

**MECHANICAL AND
ELECTRICAL
COVERSHEET**

SHEET No.
MECS1

RECEIVED
MAY 14 2022
LICENSES & PERMITS
DIVISION
100% CD SUBMISSION

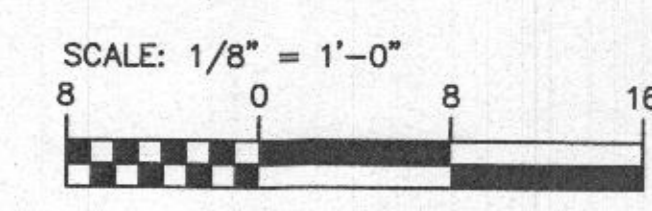


DRAWING NOTES

- ① AS PART OF ADD ALT. #1, DISCONNECT POWER TO EXISTING EXHAUST FAN BEING REPLACED. EXISTING WIRING AND CONDUIT SHALL REMAIN FOR RECONNECTION/EXTENSION TO NEW FAN.
- ② AS PART OF ADD ALT. #1, DISCONNECT AND REMOVE EXISTING STARTERS AND SWITCH ASSOCIATED WITH EXISTING EXHAUST FANS BEING REPLACED. PRIOR TO WORK, TRACE CIRCUITS TO CONFIRM THESE STARTERS ARE ASSOCIATED WITH THE FANS BEING REPLACED. EXISTING WIRING AND CONDUIT SHALL REMAIN FOR RECONNECTION/EXTENSION TO NEW STARTERS.

DEMOLITION - MECHANICAL AND ELECTRICAL
SCALE: 1/8" = 1'-0"

RECEIVED
MAR 14 2022
LICENSES & PERMITS
DIVISION

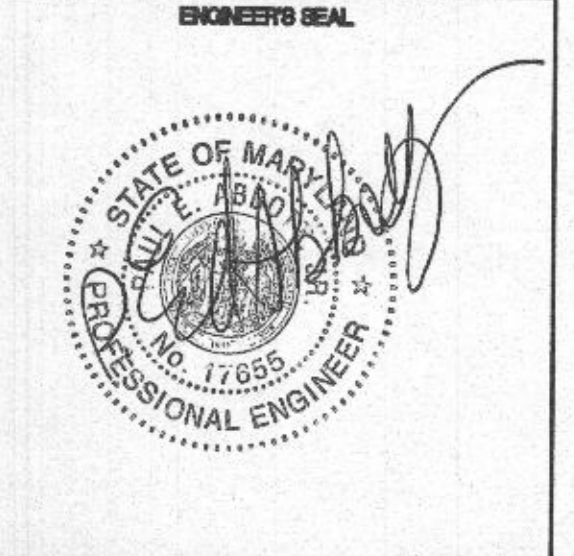


100% CD SUBMISSION

CONSULTING ENGINEER

KIBART
CONSULTING ENGINEERS
891 Dulany Valley Road, Suite 301
Farmingdale, NY 11735
Phone: 616-494-1111
Fax: 616-494-1112

PROFESSIONAL CERTIFICATION: I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE No. : 17655
EXPIRATION DATE : 01/11/22



PROJECT TITLE :
**HOWARD COUNTY
ALPHA RIDGE
TRANSFER
STATION**

A/E PROJECT NO. : 180015
DRAFTED BY: GHT
DESIGNED BY: JDM
CHECKED BY: JDM
DATE : 11/05/2021

| REVISIONS | | |
|-----------|------|------|
| NO | DATE | ITEM |
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SHEET TITLE :
**MECHANICAL AND
ELECTRICAL
FLOORPLAN -
DEMOLITION**

SHEET No.
ME101

