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Lower Poplar Influent Pumping Station Exhaust Fan Replacement Specification

The exhaust fans that are being replaced need to follow the specifications spelled out in this document by the Macon Water Authority.

General Work:

1. The existing exhaust fans will need to be locked out and tag out before demolition.
2. All demoed material will need to be removed from the grounds and disposed of properly. All hazardous material must be disposed of according to EPD guidelines.

Scope of Work:

1. Before demolition of the existing exhaust fans each fan will need to be locked and tagged out at the corresponding MCC breaker compartment.
2. The exhaust fan housing and duct work must be made of 304 stainless steel material. The exhaust fan impeller material must be made of stainless steel or non-corrosive material. **NO PLASTIC MATERIAL WILL BE ACCEPTED.**
3. All duct work that is penetrating the roof must be sealed to prevent leaking onto the lower floors.
4. All exhaust fans motors must be industrial wash down IP 65.
5. Fire stats must be installed on all duct work for fire protection.
6. All O&M manuals must be provided when installed.
7. The CFM for each exhaust fan will need to match the existing exhaust fan specification. The exhaust fan identification numbers are as follows:

Exhaust Fan #1
Model#485HBRET3BCDRT1
Serial#2YAB44930AL
Jenn Air

Exhaust Fan #2
Model#485BRET3BCDRT1
Serial#1YAB44930A2
Jenn Air

Exhaust Fan #3
Model#B-4975-100 PLR
Serial#1YAB44930A3
New Yorker Blower Company

Exhaust Fan #4
Model#B-4975-105 PLR
Serial#1YAB44930A1
New Yorker Blower Company

Exhaust Fan #5
Model#B-4975-100 PLR
Serial#1YAB44930A4
New Yorker Blower Company

Exhaust Fan#6
Model#B-4975-105 PLR
Serial#1YAB44930A5
New Yorker Blower Company

Exhaust Fan #7
Model#B-4975-115 PLR
Serial#1YAB44930A6
New Yorker Blower Company

Exhaust Fan#8
Model#B-4975-115 PLR
Serial#1YAB44930A7

New Yorker Blower Company

Exhaust Fan#9

Model#B-4975-120 PLR

Serial#1YAB44930A8

New Yorker Blower Company

Exhaust Fan #10

Model#B-4975-125 PLR

Serial#2XAB44930A2

New Yorker Blower Company

Exhaust Fan #11

Model#B-4975-130 PLR

Serial#2YAB44930A1

New Yorker Blower Company

8. Should the CFM information not be available please calculate the volume based upon the most recent “Industrial Ventilation” standards for work areas as these would be classified.
 - a. Contractor is to supply sketches, formulas, standard values used and calculations.

If have any questions please call:



Brian T. Austin

Maintenance Planner

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