

Pre-Drawing Information Request: M.A.R.V.E.L.

Project Name, City & State: _____ Date: _____

Room Name or Location: _____

EXHAUST DATA

Fan Reference #: _____ Hood Item #'s Connected to this Fan: _____

Method of Exhaust (Select One): Exhaust Fan (EF): _____ Pollution Control Unit with Odor Control (PCU) _____

HALTON PCU (Select One): Ecolo-Air (Dry 3-Stage Filter) _____ Ecology-E (ESP): _____ N/A: _____

External Static Pressure (Required if HALTON PCU is specified) : _____

Fan HP: _____ Fan Voltage & Phase: _____ Distance from Fan Motor to VFD Cabinet (Feet): _____

(VFD Cabinet must be located within 150 Feet or less from Fan Motor)

Exhaust Fan VFD by HALTON (Strongly Recommended) otherwise ME to Provide Written Specifications.

(Allan Bradley without Disconnect is Standard) HALTON Standard Acceptable (YES or NO): _____

IF "NO", Drawings will be scheduled after receipt of the VFD Written Specifications.

Mounting Location for Exhaust Fan VFD Cabinet by HALTON: Indoor _____ Outdoor _____

NEMA Cabinet Rating Requirement (Standard Indoor Cabinet is Not NEMA Rated): _____

MAKE-UP-AIR DATA

Design Method for MUA (Select Method 1, 2 or 3) _____

1—MUA Controlled by Space Pressure Sensors:

2—MUA Signal (0-10 volt) to BMS/ DDC.

3—MUA Signal (0-10 volt) to RTU, AHU or MAU.*

*NOTE: RTU, AHU or MAU must have an internal controller capable of receiving a direct 0-10 volt signal from the M.A.R.V.E.L. panel. Those units with internal controllers will interpret the 0-10 volt signal and adjust the outside air damper and speed of fan. In this scenario the M.A.R.V.E.L. 0-10 volt signal is not directly connected to the BMS/ DDC or VFD.

If MUA VFD is required from HALTON: MUA Fan HP: _____ MUA Fan Voltage & Phase: _____

M.A.R.V.E.L. CONTROL DATA

Communication Protocol (Select One): Modbus (Native Language) _____ BACnet _____ LonWorks _____

Points of Contacts Required for BMS or EMS:

Not Required: _____ Required: _____ (If "Required" See Pages 2-5)

IP Address & Interconnectivity Requirements :

Select One: Static IP for Master Controller: _____ Dynamically Assigned IP by DHCP server: _____

HALTON controller configured to use customer inboard firewall open & forwarded ports (Preferred): _____

Customer to provide for dedicated DSL, cellular or cable modem interconnectivity (Alternative): _____