

A
B
C
D
E
F
G
H
I
J
K
L
M
N
O

MECHANICAL DRAWING LIST IDENTIFICATION

BASED BID:

MEO	SCHEDULES & NOTES
M1	FIELD MAINTENANCE SHOP #1 (FMS-1) 1420 NEWPORT GAP PIKE WILMINGTON, DE 19804
M2	SMYRNA READINESS CENTER - AREA A 103 ARTISAN DRIVE SMYRNA, DE 19977
M3	SMYRNA READINESS CENTER - AREA B 103 ARTISAN DRIVE SMYRNA, DE 19977

ALTERNATES:

M4	FIELD MAINTENANCE SHOP #4 (FMS-4) 23440 ROSS STATION ROAD SEAFORD, DE 19973
M5	FIELD MAINTENANCE SHOP #3 (FMS-3) 1197 RIVER ROAD NEW CASTLE, DE 19939
M6	FIELD MAINTENANCE SHOP #5 (FMS-5) 29757 ARMORY ROAD DAGSBORO, DE 19720
M7	COMBINED SUPPORT MAINTENANCE SHOP PLAN (CSMS) 1197 RIVER ROAD NEW CASTLE, DE 19720
M8	COMBINED SUPPORT MAINTENANCE SHOP DETAILS (CSMS) 1197 RIVER ROAD NEW CASTLE, DE 19720

FAN SCHEDULE

UNIT DES.	FACILITY SERVED	BASE BID OR ALTERNATE	CFM	E.S.P. IN W.G.	RPM	MOTOR HP (WATTS)	ELECTRICAL VOLTS / PHASE	TYPE	DESIGN BASIS: GREENHECK MODEL #	REMARKS
EF-1	FMS-1	BASE BID	2400	0.5	1045	3/4	115/1	WALL MOUNTED	CW-161-B	1, 2
EF-2	FMS-1	BASE BID	2400	0.5	1045	3/4	115/1	WALL MOUNTED	CW-161-B	1, 2
EF-3	CSMS	ALTERNATE	2500	0.5	1070	3/4	115/1	ROOF MOUNTED	CUE-161-B	1, 2, 3
EF-4	CSMS	ALTERNATE	650	0.5	1315	1/4	115/1	ROOF MOUNTED	CUE-099-A	1, 2, 3
EF-5	CSMS	ALTERNATE	650	0.5	1315	1/4	115/1	ROOF MOUNTED	CUE-099-A	1, 2, 3
EF-6	SMYRNA	BASE BID	2700	0.5	1750	3/4	115/1	PROPELLER	SCE3-20-320-A7	1, 4
(EF-7)	SMYRNA	BASE BID*	1250	0.5	1750	1/2	115/1	PROPELLER	SCE3-20-312-A5	1, 4, 5
(EF-8)	SMYRNA	BASE BID*	2100	0.5	1750	1/2	115/1	PROPELLER	SCE3-20-312-A5	1, 4, 5
(EF-9)	FMS-4	ALTERNATE*	1500	0.5	1485	1/2	115/1	ROOF MOUNTED	CUE-121-A	1, 2, 5, 6
(EF-10)	FMS-3	ALTERNATE*	1500	0.5	1485	1/2	115/1	ROOF MOUNTED	CUE-121-A	1, 2, 5, 7
(EF-11)	FMS-5	ALTERNATE*	1500	0.5	1485	1/2	115/1	ROOF MOUNTED	CUE-121-A	1, 2, 5, 6
(EF-12)	CSMS	ALTERNATE*	1325	0.5	1360	1/2	115/1	ROOF MOUNTED	CUE-121-A	1, 2, 5, 8

REMARKS:

1. PROVIDE GRAVITY BACKDRAFT DAMPER.
2. PROVIDE ALUMINUM BIRDSCREEN.
3. PROVIDE 14" HIGH ROOF CURB. CONTACT DEARING FOR ROOF WARRANTY INFORMATION AND RESPONSIBLE COMPANY.
4. PROVIDE WALL HOUSING WITH INLET GUARD, AND CLOSURE ANGLES.
5. PROVIDE ADD ALTERNATE LINE ITEM PRICE FOR THIS FAN, ACCESSORIES AND INSTALLATION. ** INDICATES IF THIS FAN IS AN ADD TO THE BASE BID OR ALTERNATE LIST OF FACILITIES. REFER TO REMARKS 6, 7, OR 8 FOR QUANTITY OF FANS IN RESPECTIVE FACILITIES.
6. TWO FANS REQUIRED IF ADD ALTERNATE PRICE IS ACCEPTED.
7. THREE FANS REQUIRED IF ADD ALTERNATE PRICE IS ACCEPTED.
8. FOUR FANS REQUIRED IF ADD ALTERNATE PRICE IS ACCEPTED.

ELECTRICAL DRAWING LIST IDENTIFICATION

BASED BID:

MEO	SCHEDULES & NOTES (FIRST SHEET ONLY)
E1	FIELD MAINTENANCE SHOP #1 (FMS-1) 1420 NEWPORT GAP PIKE WILMINGTON, DE 19804
E2	SMYRNA READINESS CENTER - AREA A 103 ARTISAN DRIVE SMYRNA, DE 19977
E3	SMYRNA READINESS CENTER - AREA B 103 ARTISAN DRIVE SMYRNA, DE 19977


ALTERNATES:

E4	FIELD MAINTENANCE SHOP #4 (FMS-4) 23440 ROSS STATION ROAD SEAFORD, DE 19973
E5	FIELD MAINTENANCE SHOP #3 (FMS-3) 1197 RIVER ROAD NEW CASTLE, DE 19939
E6	FIELD MAINTENANCE SHOP #5 (FMS-5) 29757 ARMORY ROAD DAGSBORO, DE 19720
E7	COMBINED SUPPORT MAINTENANCE SHOP PLAN (CSMS) 1197 RIVER ROAD NEW CASTLE, DE 19720

MECHANICAL LEGEND		
SYMBOL	ABRV.	DESCRIPTION
		NEW EQUIPMENT OR DUCTWORK
		NEW EQUIPMENT OR DUCTWORK
		90° ELBOW WITH TURNING VANES
		90° RADIUS ELBOW
		CONNECTION POINT, NEW TO EXISTING
		DISCONNECTION POINT
		DRAWING NOTE
	V.C.D.	VOLUME CONTROL DAMPER
	M.D.	MOTORIZED DAMPER
	NO2	NITROGEN DIOXIDE
	CO	CARBON MONOXIDE
	T-STAT	THERMOSTAT
		120/240V OR 120/208V PANELBOARD
		SWITCH SINGLE POLE
		COMBINATION MOTOR STARTER/DISCONNECT
	OA	OUTSIDE AIR
	SA	SUPPLY AIR
	RA	RETURN AIR
	DB/WB	DRY BULB / WET BULB
	E.A.T.	ENTERING AIR TEMPERATURE
	E.S.P.	EXTERNAL STATIC PRESSURE
	T.S.P.	TOTAL STATIC PRESSURE
	IN. W.G.	INCHES WATER GAUGE
	NIC	NOT IN CONTRACT
	OED	OPEN END DUCT W/ WIRE MESH SCREEN
	UNO	UNLESS NOTED OTHERWISE
	EC	ELECTRICAL CONTRACTOR

DIVISION OF MECHANICAL/ ELECTRICAL WORK

ITEM	MECH/ DIV 23	ELEC/ DIV 26
AUTOMATIC TEMPERATURE CONTROLS	FURNISH, INSTALL & WIRE	POWER WIRE
CONTROL PANELS FOR MECHANICAL EQUIPMENT	FURNISH & INSTALL	POWER WIRE
LOW VOLTAGE CONTROL WIRING FOR MECH EQUIP.	FURNISH & INSTALL	
LINE VOLTAGE CONTROL WIRING FOR MECH. EQUIP.	FURNISH & INSTALL	POWER WIRE
MECHANICAL FLOW SWITCHES	FURNISH, INSTALL & WIRE	
THERMOSTATS/ SENSORS	FURNISH, INSTALL & WIRE	
P/E & E/P SWITCHES	FURNISH, INSTALL & WIRE	
DISCONNECT SWITCHES FOR MECHANICAL EQUIPMENT	FURNISH & INSTALL	POWER WIRE
MECHANICAL EQUIPMENT MONITORS	FURNISH & INSTALL	POWER WIRE
MANUAL STARTERS FOR MECHANICAL EQUIPMENT	FURNISH & INSTALL	POWER WIRE
MAGNETIC STARTERS FOR MECHANICAL EQUIPMENT	FURNISH	INSTALL & POWER WIRE
MOTOR CONTROL CENTERS	CONTROL WIRING	FURNISH, INSTALL & POWER WIRE
VARIABLE SPEED CONTROLLERS	FURNISH & INSTALL	POWER WIRE
MOTORIZED DAMPERS & VALVES	FURNISH, INSTALL & WIRE	



DAVIS
BOWEN &
FRIEDEL, INC.

ARCHITECTS, ENGINEERS & SURVEYORS
SALISBURY, MARYLAND ■ MILFORD, DELAWARE
410.543.9091 302.424.1441

General Notes:

NOT FOR BIDDING
PURPOSES

Consultant:



Allen & Shariff

DESIGN | BUILD | MANAGE
Allen & Shariff Engineering, LLC
205 East Market Street
Salisbury, Maryland 21801
Tel: 410.341.0200

Project:

DELAWARE ARMY
NATIONAL GUARD

VEHICLE MAINTENANCE BLDGS -
CO/NO2 DETECTION DESIGN

SCHEDULES & NOTES

Set No.: DESIGN		Sheet Title: MECHANICAL AND ELECTRICAL SPECIFICATIONS		ME0
Proj.No.: 0999J011.D02		Scale: NONE		
Dwn.By: DH & SM		Date: 11/26/13		
THIS DRAWING, THE DESIGN AND CONSTRUCTION FEATURES DISCLOSED ARE PROPRIETARY TO DAVIS, BOWEN & FRIEDEL, INC. AND SHALL NOT BE ALTERED OR REUSED WITHOUT WRITTEN PERMISSION.				
COPYRIGHT © 2013				