

General Notes:

NOT FOR BIDDING
PURPOSES

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Project:

**DELAWARE ARMY
NATIONAL GUARD**

**VEHICLE MAINTENANCE BLDGS - CO/NO2
DETECTION DESIGN**

**COMBINED SUPPORT MAINTENANCE
SHOP PLAN (CSMS)
1197 RIVER ROAD
NEW CASTLE, DE 19720**

Set No.: **DESIGN** Sheet Title: **MECHANICAL AND
ELECTRICAL FLOOR PLAN**

Proj.No.: 0499-J011.D02 Scale: 1/8" = 1' - 0"
Dwn.By: DH & SM Date: 11/26/13

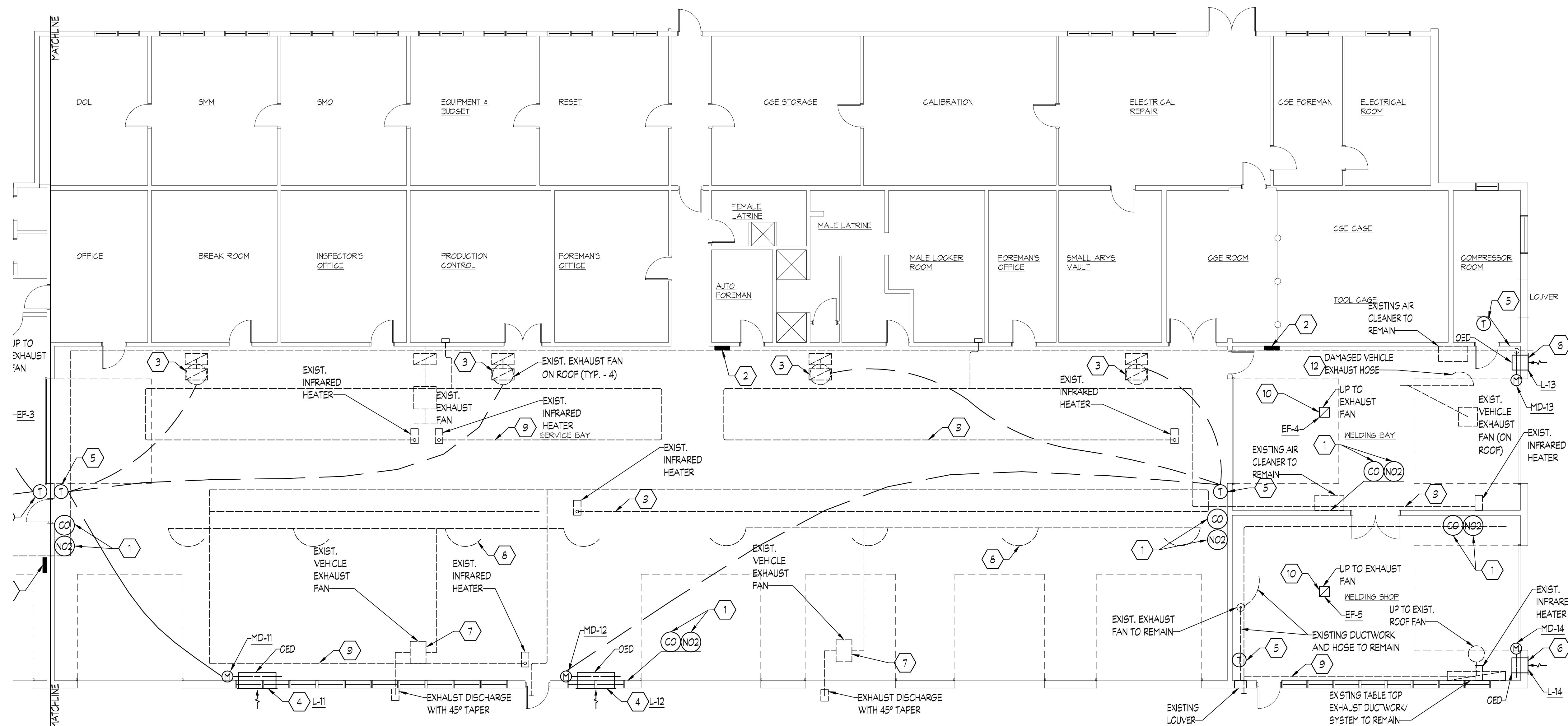
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M7

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COMBINED SUPPORT MAINTENANCE SHOP (CSMS) FLOOR PLAN
SCALE: 1/8" = 1' - 0"

GENERAL NOTES:

1. REFER TO SEQUENCE OF OPERATIONS, ON DRAWING ME9, FOR REQUIRED EQUIPMENT OPERATION AND SYSTEM CONTROL.
2. REMOVE EXISTING "PLUG-IN" RECEPTACLE STYLE CARBON MONOXIDE (CO) DETECTORS FROM THE FACILITY AND TURN OVER TO DEARNG.
3. SCOPE OF WORK LIMITED TO VEHICLE BAYS. NO WORK IN OFFICE AREAS AND SUPPORT SPACES.

DRAWING NOTES:

1. INSTALL CARBON MONOXIDE (CO) AND NITROGEN DIOXIDE (NO2) SENSORS AS INDICATED, TO ACCOUNT FOR DIESEL AND GAS VEHICLES. MAINTAIN MAXIMUM 50'-0" RADIUS FOR FULL COVERAGE OF VEHICLE BAYS.
2. INSTALL NEW GAS DETECTION CONTROL PANEL WITH INTEGRAL ALARMS.
3. CONFIRM OPERATION OF EXISTING ROOF MOUNTED EXHAUST FAN, TO PROVIDE MINIMUM OF 1325 CFM. REMOVE INTERLOCK TO CONTROL FAN FROM EXISTING WALL SWITCH, AND REFER TO SEQUENCES FOR REQUIRED OPERATION UNDER GAS DETECTION OR SUMMER VENTILATION. PROVIDE 'ADD ALTERNATE' LINE ITEM PRICE TO REPLACE FAN; SEE FAN SCHEDULE FOR (EF-12). EXISTING CURB TO BE MODIFIED IF FAN IS REPLACED.
4. PROVIDE NEW 60"x24" OUTSIDE AIR LOUVER, AND INSTALL AT 18" AFF, IN EXISTING CONCRETE BLOCK WALL. SEAL WALL PENETRATION AIR TIGHT. PROVIDE INSULATED PLENUM ON REAR SIDE OF LOUVER FOR INSTALLATION OF NEW MOTORIZED DAMPER WITH INTERNAL ACTUATOR IN NEMA 3 ENCLOSURE, AND INSTALL WIRE MESH SCREEN AT OPEN ENDED DUCT.
5. PROVIDE NEW THERMOSTAT FOR SUMMER VENTILATION CONTROL OF EXHAUST FANS, AND NEW INTAKE AIR LOUVERS AND MOTORIZED DAMPERS.
6. PROVIDE NEW 24"x18" OUTSIDE AIR LOUVER, AND INSTALL AT 18" AFF, IN EXISTING CONCRETE BLOCK WALL. SEAL WALL PENETRATION AIR TIGHT. PROVIDE INSULATED PLENUM ON REAR SIDE OF LOUVER FOR INSTALLATION OF NEW MOTORIZED DAMPER WITH EXTERNAL ACTUATOR IN NEMA 3 ENCLOSURE, AND INSTALL WIRE MESH SCREEN AT OPEN ENDED DUCT.
7. EXISTING VEHICLE EXHAUST UTILITY FAN, WITHIN SPACE, TO REMAIN.
8. EXISTING HOSE AND TAIL PIPE ADAPTER TO REMAIN. TYPICAL OF FOUR (4) PER VEHICLE EXHAUST FAN IN MAIN GARAGE BAYS (EIGHT (8) TOTAL).
9. EXISTING GAS-FIRED INFRARED HEATER AND ASSOCIATED COMPONENTS, TO REMAIN. EXHAUST FLUE TERMINATES AT EXTERIOR OF BUILDING. SHOWN FOR REFERENCE ONLY.
10. LOCATION OF NEW ROOF MOUNTED EXHAUST FAN IN WELDING BAY AND WELDING SHOP.
11. LOCATION OF NEW ROOF MOUNTED EXHAUST FAN IN PAINT BAY.
12. REPLACE EXISTING TAILPIPE EXHAUST HOSE AND RECONNECT EXISTING TAILPIPE ADAPTER.

