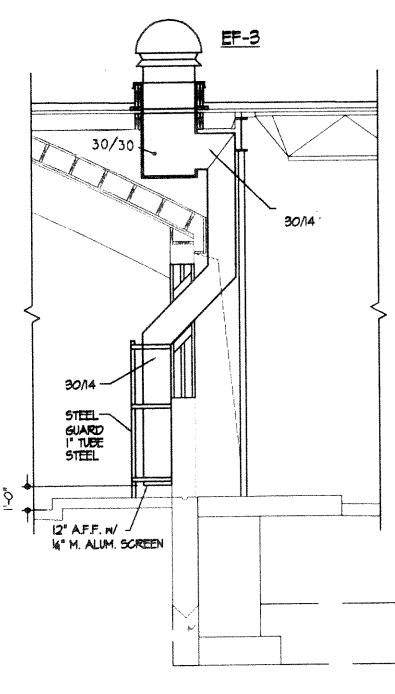


PARTIAL HVAC FLOOR PLAN

SCALE: 1/6" = 1'-0"

ALUMINUM SCREEN EXISTING STORAGE GARAGE EF-3 ON ROOF -12"4 DROP TO 12" AFF. 30/14 UP TO EF-3 -N/ 16" MESH. ALUM. SCREEN SEE DETAIL 5/ HICO EXIST. OFFICE 480 cm EXHAUST STORAGE GARAGE TRANS 24/24 TO 24" P 1岁" GAS~ DROP TO 46" AFF. SEE NOTE NO. I" GAS COCK, STUB & CAP -FOR FUTURE

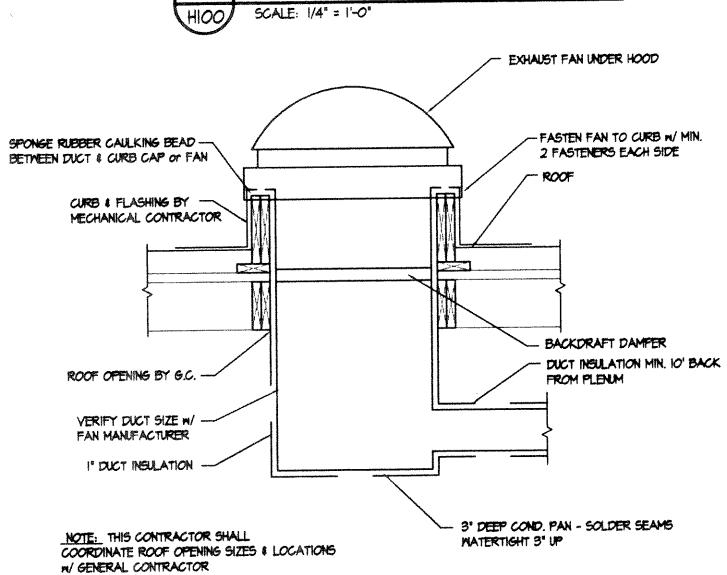
0.5A.



- FIELD FAB DUCTWORK

- Canvas duct conn.

- 2" EXT. INSUL ( SEE SPECIFICATIONS)



EXHAUST FAN DETAIL

SEQUENCE OF SYSTEMS OPERATION, AND CONTROL

596,000 BTUH INPUT 25;1 MODULATING BURNER. SEE EQUIPMENT SCHEDULE FOR LISTED CONTROLS;

HVU-1 HEATING, AND VENTILATING UNIT, IS A NATURAL GAS DIRECT FIRED, 80/20 TYPE HEATING AND VENTILATING MAKE-UP AIR TYPE UNIT. TOTAL UNIT CAPACITY IS 4800 TOTAL CFM, WITH A

THE UNIT IS PROVIDED WITH A TIME CLOCK TO AUTOMATICALLY SET BACK TEMPERATURES, OR AND TIME

THE "OCCUPIED" "UNOCCUPIED" MODES OF VENTILATION. THE CONTRACTOR AT START-UP IS TO CONSULT

WITH THE OWNER TO DETERMINED THE OCCUPIED, AND UN-OCCUPIED PERIODS AND PROGRAM THE SYSTEM

THE POLLOWING SEQUENCE OF CONTROL IS TO BE ESTABLISHED AT UNIT START-UP, AND THE CONTRACTOR

"UNOCCUPIED MODE" - IN THIS MODE, THE UNIT WILL PROVIDE SPACE HEATING ONLY. DAMPER SETTINGS ARE TO PROVIDE 960 CFM OUTSIDE AIR (20%) - EF-1 EXHAUST FAN IS INTERLOCKED TO EXHAUST AN EQUAL

TOTAL CFM IS 4800 CFM. THE UNIT BLOWER IS TO CYCLE ON DEMAND FOR HEATING, OPEN THE O.S.A. DAMPER TO PROVIDE 960 CFM OF O.S.A. AND START EF-1 TO EXHAUST AND EQUAL AMOUNT OF AIR FROM THE SPACE. "OCCUPIED MODE" IN THE MODE, THE BLOWER OF HVU-1 UNIT IS TO OPERATE CONTINUOUSLY TO PROVIDE

THE DISCHARGE AIR CONTROL, AND THE OVER RIDING SET POINT OF THE SPACE TEMPERATURE SENSOR IS TO

EF-3 EXHAUST FAN CONTROL

EF-3 EXHAUST FAN REPLACES AN EXISTING EXHAUST FAN OF EQUAL CAPACITY THAT IS PRESENTLY LOCATED

ON THE EXISTING WALL AS SHOWN ON THE DEMOLITION DRAWING. IT SERVES THE ADJOINING VEHICLE SERVICE AREA TO PROVIDE VENTILATION AT A RATE OF 1/2 CFM PER SQ. FT. OF FLOOR AREA FOR A VEHICLE

PRESENT CONTROL OF THIS FAN IS MANUAL, "ON" "OFF" ELECTRICAL WORK IS TO PROVIDE THE SAME

4800 CFM OF AIR TO THE SPACE. THE O.S.A. DAMPER IS TO OPEN TO PROVIDE, AN ADDITIONAL 1450 CFM OUTSIDE AIR, OR A TOTAL 2400 CFM O.S.A. 2400 CFM OF RECIRCULATED AIR ENTERS THE UNIT. IN THIS MODE, (OCCUPIED) THE SECOND FAN INTERLOCK IS TO START EF-2 EXHAUST FAN. IN THE MODE BOTH EF-1, AND EF-2 EXHAUST FANS ARE TO BE OPERATING TO EXHAUST A TOTAL OF 2400 CFM FROM A POINT NEAR THE

OUANITY OF AIR FROM THE SPACE, AND 3840 CFM (80%) RECIRCULATED AI ENTERS THE UNIT.

FLOOR. THE TOTAL "OCCUPIED" VENTILATION EXHAUST RATE IS 2400 CFM.

MAINTAIN SPACE TEMPERATURE TO SET POINT.



M. HAMLIN

D. BAARS

28 JUNE 2000

AS SHOWN

DESCRIPTION

CHK'D BY

REVISIONS:

SUBCONSULTANTIS).

PROJECT: LINCOLN COUNTY **VEHICLE STORAGE** 

GARAGE ADDITION

LINCOLN COUNTY HIGHWAY DEPARTMENT

HVAC PLANS, **DEMOLITION &** SECTIONS

DWG. FILE NAME:

H100

CONTROL AS IS PRESENTLY EXISTING.

OCCUPANCY TO EFFECT OFFICE VENTILATION.

EF-4 EXHAUST FAN REPLACES AN EXISTING EXHAUST FAN OF EQUAL CAPACITY THAT IS PRESENTLY LOCATED ON THE EXISTING WALL AS SHOWN ON THE DEMOLITION DRAWING. IT SERVES THE ADJOINING TOILET AREAS

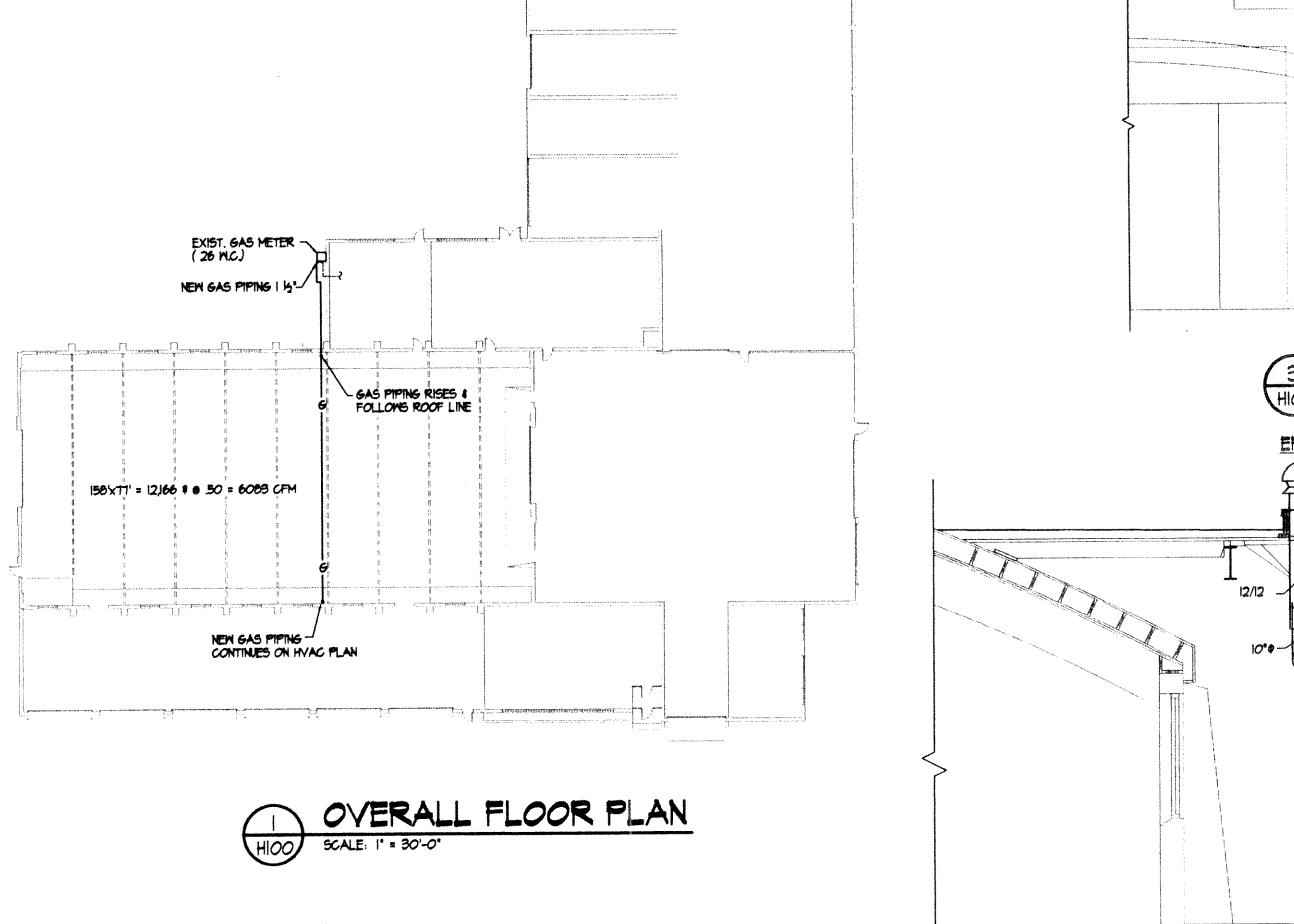
THE ELECTRICAL WORK IS TO PROVIDE A NEW MANUAL LIGHTED STARTER WITH A TIMED OFF FEATURE TO OPERATE THIS FAN. GREENHECK #GTD, OR EQUAL. SET TIME TO OPERATE 20 MINUTES, OR AS DIRECTED BY EF-5 EXHAUST FAN CONTROL

EF-5 EXHAUST FAN REPLACES AN EXISTING EXHAUST FAN OF EQUAL CAPACITY THAT IS PRESENTLY LOCATED

OF A PROPERTY OF THE ADMINISTRATION OF THE ADMINISTRATI

ON THE EXISTING WALL AS SHOWN ON THE DEMOLITION DRAWING. IT SERVES THE ADJOINING TOILET AREAS

TO PROVIDE VENTILATION AT A RATE OF 2 CFM PER SQ. FT. OF FLOOR AREA. THE ELECTRICAL WORK IS TO PROVIDE FOR WIRING TO THE EXISTING "ON" "OFF" SWITCH PRESENTLY OPERATING THE FAN SERVING THE OFFICE BOARD ROOM. THIS FAN SHOULD OPERATE DURING PERIODS OF



-14" POROP TO 12" AFF. W/ 14" MESH, ALUM, SCREEN

即 F-2 ON ROOF

