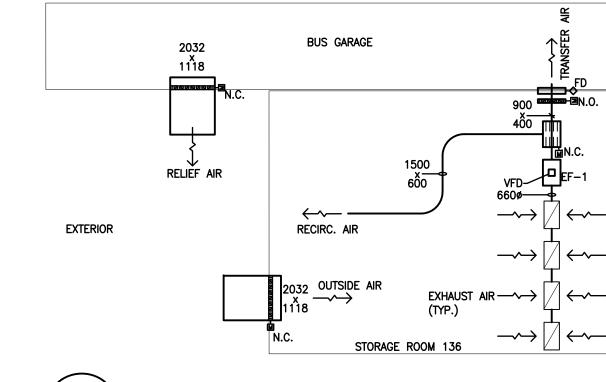


MECHANICAL SECTION





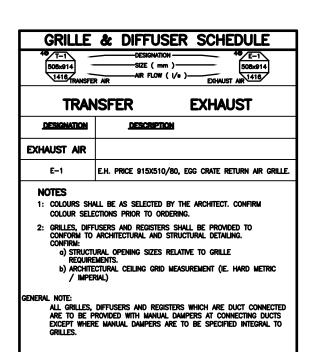
## SEPARATE PRICE #1 (SP#1)

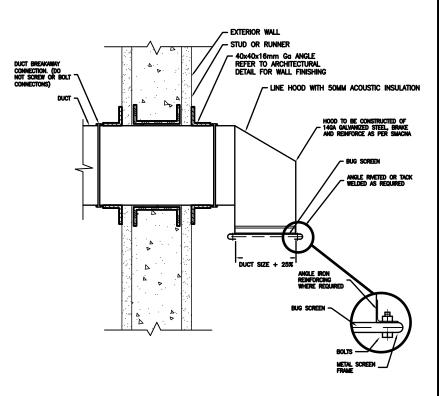
REMOVE EXISTING DUCT BACK TO GARAGE SIDE OF WALL. REMOVE EXISTING FIRE DAMPER FROM WALL. CAP DUCT IN GARAGE BAY. PATCH AND REPAIR WALL OPENING LEFT BY DAMPER AND DUCT.

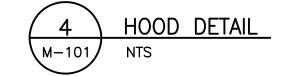
## NUMERICAL NOTE LEGEND:

- 2032MM X 1118MM TAMCO 9000 OPPOSED BLADE DAMPER. CONFIGURATION 2F VERTICALLY SPLIT INTO TWO DAMPERS WITH SEPARATE CONTROL RODS. FLANGED TO DUCT INSTALLATION. C/W TWO MODULATING ACTUATORS.
- GREEN HECK FIRE DAMPER 1.5 HOUR RATED DFD-110 VERTICAL MOUNT C/W CLOSED INDICATOR SWITCH.
- 3 GREENHECK HCD-230 INDUSTRIAL CONTROL DAMPER C/W MODULATING ACTUATOR.
- NORTHERN BLOWER VANEAXIAL BELT DRIVE FAN MODEL 7410 SIZE 2450. AIRFLOW:  $\stackrel{\smile}{\smile}$  12000 CFM (5663 L/S), STATIC PRESSURE: 2", MOTOR: 10HP WITH BHP OF 7.7 HP AND 1897 RPM. C/W VFD.
- 2032MM X 1118MM DOWNTURNED HOOD WITH 50MM ACOUSTIC INSULATION, 14GA GALVANIZED CONSTRUCTION, AND BUGSCREEN AT OPENING.
- 6 6600 E/A DUCTWORK TO DROP AND CONNECT TO TOP OF 10000 DUCT.
- (7) INSTALL NEW THERMOSTAT ON WALL.
- (8) DUCTWORK FANS AND VFD'S TO BE ADDED IN FUTURE PHASE.
- 9 CUSTOM GALVANIZED FULL SIZED FILTER RACK C/W SIDE ACCESS FOR FILTER CHANGES. PROVIDE 50MM THICK, FARR 30/30, MERV 8 PLEATED FILTER.
- RAISE 25¢ DCW, 25¢ DHW, 19¢ CA, 19¢ NATURAL GAS AND 50¢ SPRINKLER PIPE WITHIN THIS AREA TIGHT TO U/S OF ROOF DECK, TO ALLOW FOR NEW AND FUTURE DUCTWORK AND FAN INSTALLATION. REVISE SPRINKLER HEADS AS REQUIRED.
- ELECTRICAL CONTRACTOR TO LOWER LIGHT ASSEMBLY TO BELOW THE NEW DUCTWORK.
- NEW SIDEWALL SPRINKLER HEAD BELOW DUCTWORK. CONNECT TO EXISTING SPRINKLER BRANCH AT HIGH LEVEL. (TYP.)
- (13) TERMINATE WITH 45° OPEN END C/W EXPANDED METAL MESH.
- (14) TERMINATE WITH OPEN END C/W EXPANDED METAL MESH.
- DUCT AND FAN MOUNTED WITHIN JOIST SPACE. PROVIDE VIBRATION ISOLATION AND FLEX CONNECTIONS FOR FAN.
- (16) REMOVE EXISTING CEILING FANS ALONG WITH ASSOCIATED CONTROLS.
- $\overbrace{\mbox{\scriptsize 17}\mbox{\large }}$  IN DUCT SMOKE DETECTOR. SEE ELECTRICAL FOR DETAILS.
- TRANSITION DUCT UP TO HIGHER LEVEL WHILE AVOIDING EXISTING DUCTWORK AND STRUCTURE. DETERMINE EXACT HEIGHT ON SITE.
- INSTALL ACOUSTIC TRAP. TRANSITION TO 1400MM X 1200MM DUCT DOWN TOWARDS FLOOR AND GOOSENECK UP TO DISCHARGE INTO SPACE 1200MM ABOVE FINISHED FLOOR. ACOUSTIC HOOD AND DUCTWORK TO BE INTERNALLY LINED WITH 50MM ACOUSTIC INSULATION.
- DEMOLISH EXISTING CWS AND HWS PIPING AS INDICATED BY DASHED LINES. CAP EXISTING PIPING.
- (21) NEW PIPING TO SERVE EXISTING TRAP PRIMER. CONNECT TO EXISTING MAIN.
- RELOCATE EXISTING UNIT HEATER FROM CURRENT LOCATION, INDICATED BY DASHED LINES, NEW LOCATION INDICATED BY SOLID LINES.
- (24) NEW DDC CONTROL BOX BY CONTROLS CONTRACTOR.

(23) CONFIRM GENERATOR PLACEMENT ON SITE.









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Client/Project

WINNIPEG TRANSIT DIRECT CURRENT FAST CHARGING BUS STATIONS BRANDON GARAGE

600 Brandon Ave. Winnipeg, Manitoba

PARTIAL MAIN FLOOR PLAN -MECHANICAL - NEW CONSTRUCTION

Project No. Scale As Indicated 144523001 Drawing No. Revision 02 of 02