

GENERATOR SPECIFICATIONS	
A. NATURAL GAS ENGINE DRIVEN GENERATOR SET SHALL BE KOHLER MODEL K80B STANDBY POWER RATED 100 KW AT 100% POWER FACTOR. 240/120 VOLTS, 1 PHASE, 3 WIRE, 60HZ, 1500 RPM. GENERATOR SET SHALL INCLUDE ENGINE, ALTERNATOR AND CONTROLLER FURNISHED BY A SINGLE SUPPLIER AND U.L. 2200 LISTED AS A COMPLETE ASSEMBLY INCLUDING ALL STANDARD EQUIPMENT. 1. "POWER COMMAND" INTEGRATED CONTROL SYSTEM (U.L. 508 LISTED) INCLUDING: a. AC VOLTS AMPS, HERTZ, KW, POWER FACTOR AND PERCENT LOAD READOUTS. b. COMPLETE ENGINE MONITOR AS REQUIRED BY N.F.P.A. 110, LEVEL 1. c. OVER/UNDER VOLTAGE MONITORING AND SHUT DOWN. d. OVER CURRENT AND SHORT CIRCUIT MONITORING AND SHUT DOWN. e. "EMERGENCY" PROTECTION. 2) ENGINE: a. ENGINE JACKET WATER HEATER THERMOSTAT CONTROLLED, U.L. LISTED, RATED 2000 WATTS AT 240 VOLTS, SINGLE PHASE. b. ELECTRONIC/ISOCRONOUS GOVERNOR. c. FLEXIBLE FUEL LINES. d. LOW PRESSURE CRITICAL GRADE EXHAUST SILENCER WITH STAINLESS, FLEXIBLE EXHAUST COUPLINGS. e. LEAD ADD STARTING BATTERIES, CABLES AND RACKS AS REQUIRED BY N.F.P.A. 110. 3) ALTERNATOR: a. STANDARD 12 LEAD RECONNECTABLE ALTERNATOR. b. CLASS "H" INSULATION, 125°C TEMPERATURE RISE. c. PERMANENT MAGNET EXCITER. d. ALTERNATOR SET BREAKERS. 4) BREAKER D-11, 350 AMP/2 POLE THERMAL-MAGNETIC, MOLDED CASE CIRCUIT BREAKER. 5) HEATER PROTECTIVE ENDOUSURE (THERMOC PRODUCTS) a. ALUMINUM SOUND ATTENUATED, 170 M.P.H. WIND LOAD RATED WEATHER PROTECTIVE ENCLOSURE. b. FIXED ALUMINUM INTAKE LOUVERS WITH BIRD SCREENS AND GRAVITY OPEN ALUMINUM EXHAUST COVER. c. 20 AMP, 125 VOLT, GFI DUPLEX RECEPTACLE (FOR ENGINE/GENERATOR MAINTENANCE). d. MOUNTED NOISE OF ENCLOSURE. e. INTERIOR LIGHTING FIXTURES (FOR ENGINE/GENERATOR MAINTENANCE) POWERED FROM ENGINE START BATTERY VOLTAGE, WITH "TIMER" CONTROL SWITCH. 6) ACCESSORIES AND SERVICES: a. FLOAT EQUALIZER TYPE BATTERY CHARGER WITH ALARMS AS REQUIRED BY N.F.P.A. 110 FOR LEVEL-1 INSTALLATION. b. LEAD ADD STARTING BATTERIES, CABLES AND RACKS AS REQUIRED BY N.F.P.A. 110. c. BREAK GLASS STATION FOR EMERGENCY SHUT-DOWN, ONE IN THE FIRE CONTROL ROOM, ONE IN THE MAIN ELECTRICAL ROOM AND ONE AT THE GENERATOR. d. START UP AND ACCEPTANCE TESTING AS REQUIRED BY N.F.P.A. 110 FOR LEVEL-1 INSTALLATION. (110-715) TESTING SHALL BE CONDUCTED BY FACTORY TRAINED TECHNICIANS. e. SPRING TYPE VIBRATORS RELAY. f. TWO SETS OF OPERATORS, PARTS AND INSTALLATION MANUALS. g. ONE YEAR 100 HOUR COMPREHENSIVE WARRANTY. h. REMOTE ANNUNCIATOR AS REQUIRED BY N.F.P.A. 110, LEVEL 1. i. CERTIFIED FACTORY TESTING. j. ALL ACCESSORIES REQUIRED TO HAVE A COMPLETE AND OPERATIONAL SYSTEM IN ACCORDANCE WITH ALL APPLICABLE CODES AND STANDARDS.	

SCHEDULE OF TRANSFER SWITCHES							
MARK	AMPERE RATING	POLES	VOLTAGE RATING	MOUNTING	MARK	WIRE, GROUND, & CONDUIT	NOTES
ATS	600	2	240/120	WALL	ATS-1L	2 SETS -	