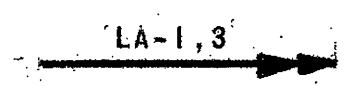
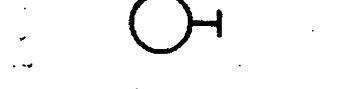
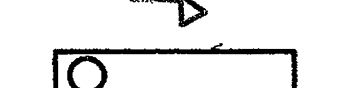
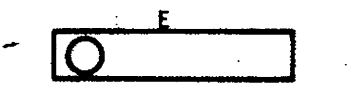
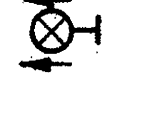
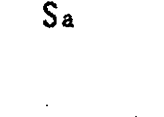
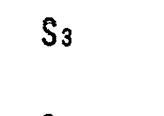
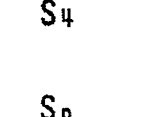
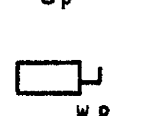
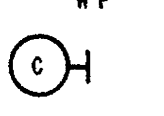
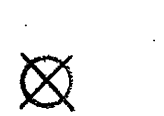
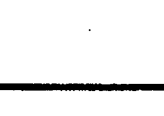
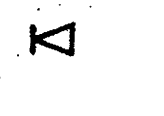
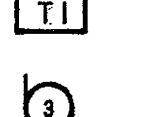
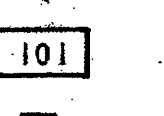
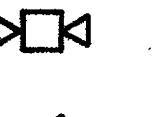
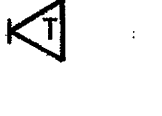
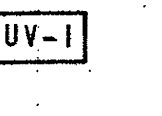
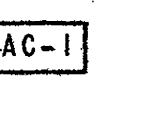
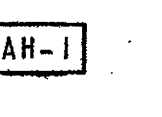
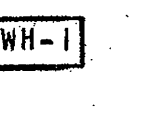
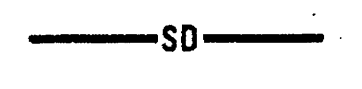
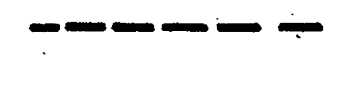
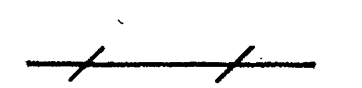
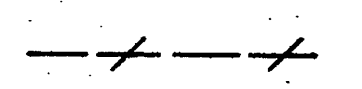
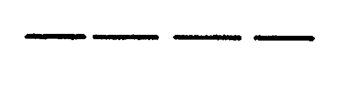
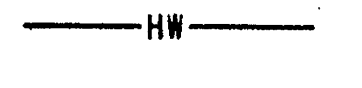
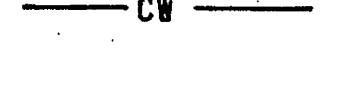
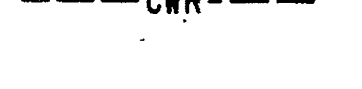
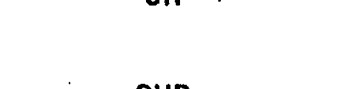
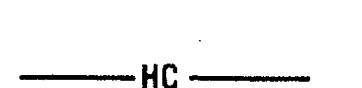
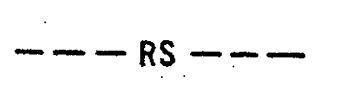
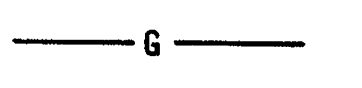
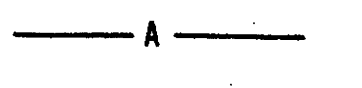
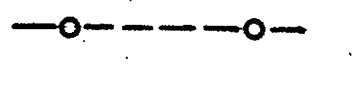
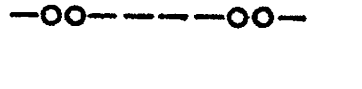
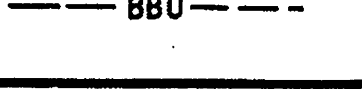
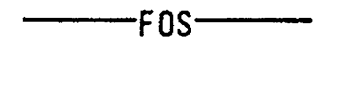
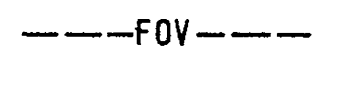
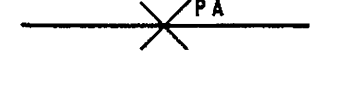
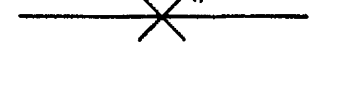
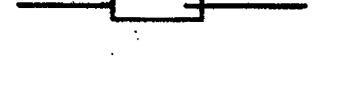
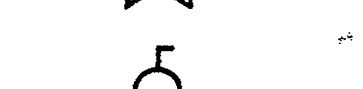
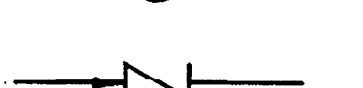
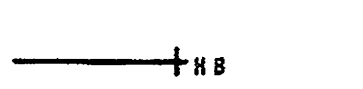
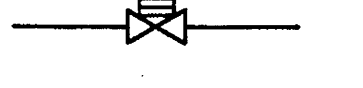
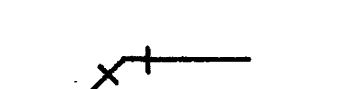
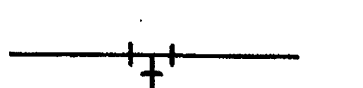
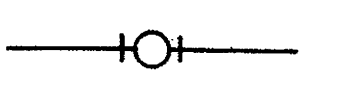
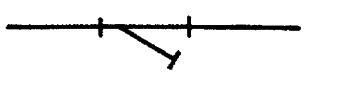
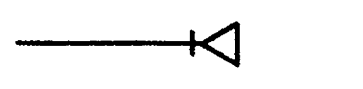
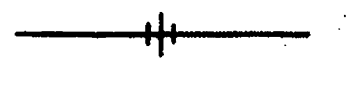
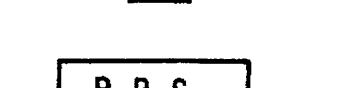
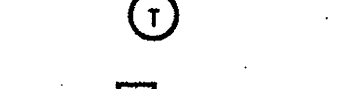
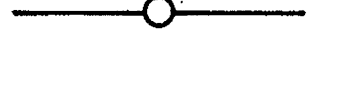
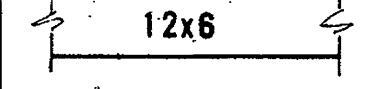
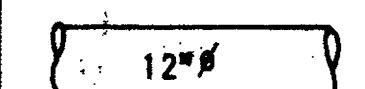
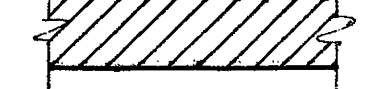
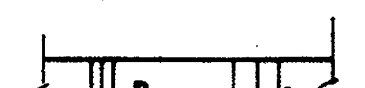
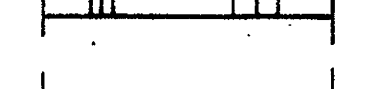
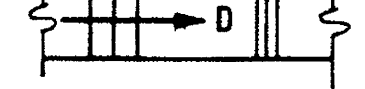
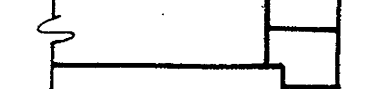
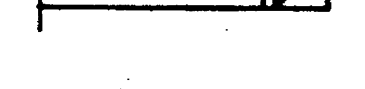
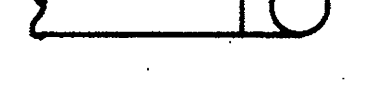
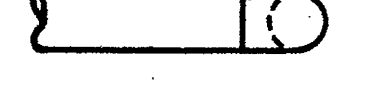
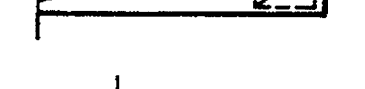


ELECTRICAL SYMBOLS

 GROUND  HOME RUN, NUMBER OF ARROWS DENOTES NUMBER OF CIRCUITS, LETTERS & NUMBERS DESIGNATE PANEL & CIRCUITS.  PHOTO-CELL  INCANDESCENT LIGHTING FIXTURE, CEILING MOUNTED  INCANDESCENT LIGHTING FIXTURE, BRACKET MOUNTED  LIGHTING FIXTURE RECESS MOUNTED, ON EMERGENCY CIRCUIT  EMERGENCY BATTERY LIGHTING UNIT  FLUORESCENT LIGHTING FIXTURE  FLUORESCENT LIGHTING FIXTURE ON EMERGENCY CIRCUIT	 EXIT LIGHT, CEILING MOUNTED, DIRECTIONAL ARROWS WHERE INDICATED  EXIT LIGHT, BRACKET MOUNTED, DIRECTIONAL ARROWS WHERE INDICATED  SINGLE POLE SWITCH, SUBSCRIPT DENOTES SWITCH CONTROL MH 4'-0", EXCEPT AS NOTED  THREE WAY SWITCH, MH 4'-0", EXCEPT AS NOTED  FOUR WAY SWITCH, MH 4'-0", EXCEPT AS NOTED  SWITCH WITH PILOT LIGHT, MH 4'-0"  DISCONNECT SWITCH, WP DENOTES WEATHERPROOF MH 5'-0"  CLOCK HANGER OUTLET, MH 8'-0" UNLESS OTHERWISE NOTED.  DUPLEX RECEPTACLE, WP DENOTES WEATHERPROOF MH 1'-6" UNLESS OTHERWISE NOTED.  RECEPTACLE FOR ELECTRIC WATER COOLER, COORDINATE WITH EQUIPMENT PROVIDED  DUPLEX RECEPTACLE MTD IN CAST BOX 3" ABOVE FINISH FLOOR.  CONDUIT STUB-UP TO EQPT, SEE DETAIL SH E-5.  SPECIAL PURPOSE RECEPTACLE, TYPE 1.	 JUNCTION BOX  TELEPHONE OUTLET, MH 1'-6"  480Y/277 VOLT PANELBOARD  208Y/120 VOLT PANELBOARD  TRANSFORMER, SEE SCHEDULE SH E-5  MOTOR ON PIECE OF EQUIPMENT, NUMBER DENOTES HORSE-POWER  MOTOR STARTER OR CONTROLLER, MH 5'-6"  INTERCOM SPEAKER HORN  ROOM OR SPACE NUMBER  INTERCOM SPEAKER CEILING MTD	 PROGRAM BELL, WP DENOTES WEATHERPROOF  FIRE ALARM STATION, MH 5'-0"  FIRE ALARM HORN, MH 8'-0"  TELEVISION OUTLET, MH 1'-6"  MICROPHONE OUTLET, MH 1'-6"  UNIT VENTILATOR  UNIT HEATER  AIR CONDITIONING UNIT  HEATING VENTILATING UNIT  AIR HANDLING UNIT  WALL HEATER
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PLUMBING, HEATING, VENTILATING & AIR CONDITIONING

 SANITARY SEWER  STORM DRAIN  VENT  ACID RESISTANT DRAIN  DRAINLINE  COLD WATER  HOT WATER  HOT WATER CIRCULATING  HIGH PRESSURE STEAM  HIGH PRESSURE RETURN  MEDIUM PRESSURE STEAM  MEDIUM PRESSURE RETURN  LOW PRESSURE STEAM  LOW PRESSURE RETURN  HOT WATER HEATING SUPPLY  HOT WATER HEATING RETURN  CHILLED WATER SUPPLY  CHILLED WATER RETURN  CHILLED & HOT WATER SUPPLY  CHILLED & HOT WATER RETURN  COLD CONDENSER WATER  HOT CONDENSER WATER  REFRIGERANT DISCHARGE  REFRIGERANT LIQUID  REFRIGERANT SUCTION  GAS  COMPRESSED AIR  CONDENSATE PUMP DISCHARGE  FEEDWATER PUMP DISCHARGE  BOILER BLOW-OFF	 FUEL-OIL SUPPLY  FUEL-OIL RETURN  FUEL-OIL TANK VENT  PIPE ANCHOR  HANGER OR SUPPORT  EXPANSION JOINT  GATE VALVE  GLOBE VALVE  BUTTERFLY VALVE  CHECK VALVE  HOSE GATE VALVE  HOSE BIBB  WALL HYDRANT  BALANCING VALVE  PRESSURE RELIEF, ANGLE VALVE  PRESSURE RELIEF, STRAIGHT THRU VALVE  PRESSURE REDUCING VALVE  AUTOMATIC CONTROL VALVE, 2-WAY  AUTOMATIC CONTROL VALVE, 3-WAY  ELBOW, 90°  ELBOW, 90° TURNED UP  ELBOW, 90° TURNED DOWN  ELBOW, 45°  ELBOW, 45° TURNED DOWN  ELBOW, 45° TURNED UP  TEE  TEE, OUTLET TURNED UP  TEE, OUTLET TURNED DOWN  STRAINER  BLIND FLANGE	 LATERAL Y  CAP  PLUG  UNION  FLEXIBLE CONNECTION  FLOOR DRAIN  CLEAN OUT  STEAM TRAP  DRIP STATION  P.R.S.  PRESSURE GAGE  TEMPERATURE GAGE  VACUUM GAGE  THERMOMETER  AUTO A.V.  HUMIDIFIER  HUMIDISTAT  THERMOSTAT  UNIT HEATER  PENDANT SPRINKLER HEAD  UPRIGHT SPRINKLER HEAD  CONNECTION OF NEW PIPING TO EXISTING PIPING	 12x6 RECTANGULAR DUCTWORK (1ST FIG. SIDE SHOWN, 2ND SIDE NOT SHOWN)  12" ROUND DUCT  FLEXIBLE ROUND DUCT  ACOUSTICALLY LINED DUCT  OPPOSED BLADE VOLUME DAMPER  FLEXIBLE DUCT CONNECTION  FIRE DAMPER  DUCT TRANSITION, ROUND TO RECTANGULAR  DUCT TRANSITION, RECTANGULAR TO ROUND  DUCT TRANSITION, RECTANGULAR  INCLINED RISE IN RESPECT TO AIR FLOW, RECTANGULAR  INCLINED DROP IN RESPECT TO AIR FLOW, RECTANGULAR  INCLINED RISE IN RESPECT TO AIR FLOW, ROUND  INCLINED DROP IN RESPECT TO AIR FLOW, ROUND  90° ELBOW RECTANGULAR  45° ELBOW RECTANGULAR  90° ELBOW, ROUND  45° ELBOW, ROUND  MITER BRANCH DUCT, RECTANGULAR  TAP-IN BRANCH DUCT, RECTANGULAR	 MITER TEE, RECTANGULAR  BRANCH DUCT, LATERAL FITTING, ROUND  BRANCH DUCT, TEE FITTING, ROUND  BRANCH DUCT, "Y" FITTING, ROUND  SUPPLY DUCT SECTION, RECTANGULAR  EXHAUST OR RETURN DUCT SECTION, RECTANGULAR  90° ELBOW TURNED UP, RECTANGULAR  90° ELBOW TURNED DOWN, RECTANGULAR  90° ELBOW TURNED UP, ROUND  90° ELBOW TURNED DOWN, ROUND  CEILING DIFFUSER  CEILING REGISTER OR GRILLE, EXHAUST OR RETURN  SUPPLY REGISTER OR GRILLE  EXHAUST OR RETURN REGISTER OR GRILLE  AIR-LIGHT TROFFER W/FLEX DUCT CONNECTION  MIXING BOX W/FLEX DUCT CONNECTION
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PROJECT 124-35C

REVISION	DATE	DESCRIPTION	BY	APP.
DESIGNED	ARP			
DRAWN	RHZ			
CHECKED				
APPROVED				
SUBMITTED				
HAYES, SEAY, MATTERN & MATTERN		SCALE NONE	COMM. NO. 3936	
ARCHITECTS—ENGINEERS		WASHINGTON, D. C.	DATE 14 SEPT 1976	SHEET 0-B
ROANOKE, VIRGINIA				

STANDARD DRAWING

ELECTRICAL & MECHANICAL SYMBOLS