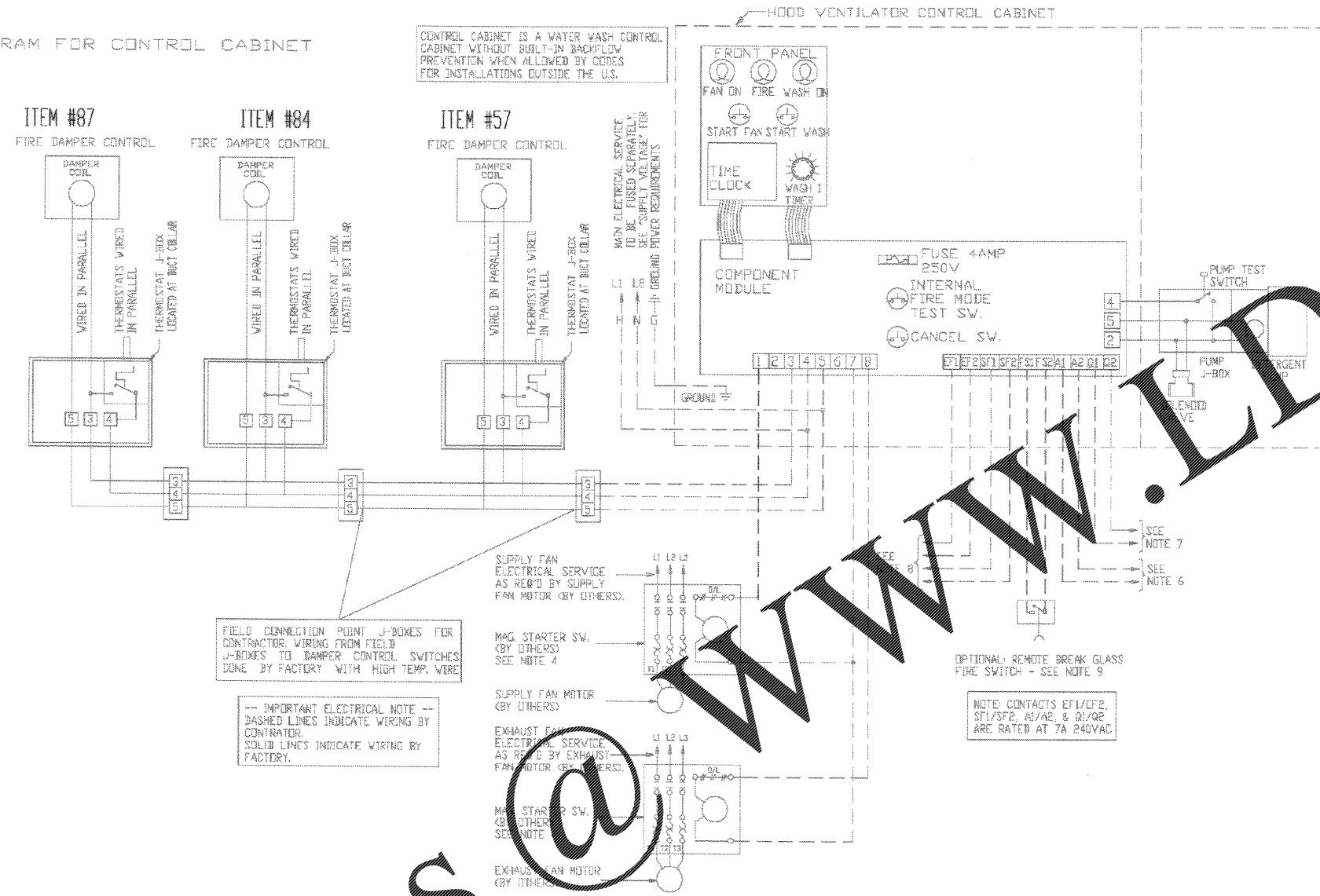


MASTER WIRING DIAGRAM FOR CONTROL CABINET



CONTROL CABINET IS A WATER WASH CONTROL CABINET WITHOUT BUILT-IN BACKFLOW PREVENTION WHEN ALLOWED BY CODES FOR INSTALLATIONS OUTSIDE THE U.S.

FIELD CONNECTION POINT J-BOXES FOR CONTRACTOR WIRING FROM FIELD J-BOXES TO DAMPER CONTROL SWITCHES DONE BY FACTORY WITH HIGH TEMP. WIRE

IMPORTANT ELECTRICAL NOTE  
DASHED LINES INDICATE WIRING BY CONTRACTOR.  
SOLID LINES INDICATE WIRING BY FACTORY.

SUPPLY FAN ELECTRICAL SERVICE AS REQ'D BY SUPPLY FAN MOTOR (BY OTHERS):

MAG. STARTER SW. (BY OTHERS) SEE NOTE 4

SUPPLY FAN MOTOR (BY OTHERS)

EXHAUST FAN ELECTRICAL SERVICE AS REQ'D BY EXHAUST FAN MOTOR (BY OTHERS):

MAG. STARTER SW. (BY OTHERS) SEE NOTE 4

EXHAUST FAN MOTOR (BY OTHERS)

NOTE: CONTACTS EF1/EF2, SF1/SF2, A1/A2, & Q1/Q2 ARE RATED AT 7A 240VAC

--- SUPPLY VOLTAGE ---  
120 VAC, 50-60 Hz, 1 PHASE MAX. 50 AMP MAX.

--- GENERAL NOTES ---

- 1) CONTROL CABINET IS AVAILABLE IN 120 VOLTS.
- 2) NUMBER NOT USED.
- 3) NUMBER NOT USED.
- 4) THE HOLDING COILS WITHIN THE MAGNETIC STARTERS MUST MATCH THE SUPPLY VOLTAGE. MAGNETIC STARTERS ARE SUPPLIED BY OTHERS.
- 5) ALL EXTERNAL CONTROL WIRING SHALL BE 12 GAUGE MINIMUM OR AS PER APPLICABLE CODES.
- 6) AL & AR ALARM TERMINALS  
THESE ARE VOLTAGE FREE N.O. CONTACTS FOR BUILDING FIRE ALARM SYSTEM, MONITORING SYSTEM ETC.
- 7) Q1 & Q2 OPTIONAL FIRE SYSTEM TERMINALS  
THESE ARE VOLTAGE FREE N.C. CONTACTS FOR INTERCONNECTION TO THE FIRE PROTECTION SYSTEM'S FUEL SHUT-OFF CONTROL CONTACTS OPEN WHEN THE C-4000 CONTROL GIES INTO FIRE MODES.
- 8) SF1 & SF2 OPTIONAL SUPPLY FAN TERMINALS  
EF1 & EF2 OPTIONAL EXHAUST FAN TERMINALS  
THESE ARE VOLTAGE FREE N.O. CONTACTS FOR A REMOTE MOTOR CONTROL CENTER. THEIR SEQUENCE OF OPERATION IS AS FOLLOWS:  
\*FAN ON\* - SF1/SF2 & EF1/EF2 CLOSE TO START SUPPLY & EXHAUST FANS.  
\*WASH ON\* - SF1/SF2 & EF1/EF2 OPEN TO STOP SUPPLY & EXHAUST FANS.  
\*EXTERNAL FIRE MODE\* - SF1/SF2 OPEN
- 9) Q1 & Q2 OPTIONAL FIRE SWITCH TERMINALS  
THESE CONTACTS ARE FOR AN OPTIONAL BREAK GLASS FIRE SWITCH WHICH ACTIVATES THE 'EXTERNAL FIRE MODE'.

TYPICAL SCHEMATIC WIRING CABINET FOR HOOD CONTROL CABINET ITEM # 58

NO SCALE

K103/K505

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APPROVED: *[Signature]* DATE: \_\_\_\_\_

CHARLESTON AIR FORCE BASE CHARLESTON, SOUTH CAROLINA  
DINING FACILITY  
VENTILATION DETAILS

Naval Facilities Engineering Command  
Southern Division  
Charleston, South Carolina

RECORD DRAWING DATE	9/27/04
CODE I.D. NO.	80091
DRAWING SIZE:	D
SPEC. NO. 06-98-0939	
CONSTRN. CONTR. NO.	N62467-98-C-0939
NAVFAC DRAWING NO.	5357939
SHEET 114 OF	194

K505