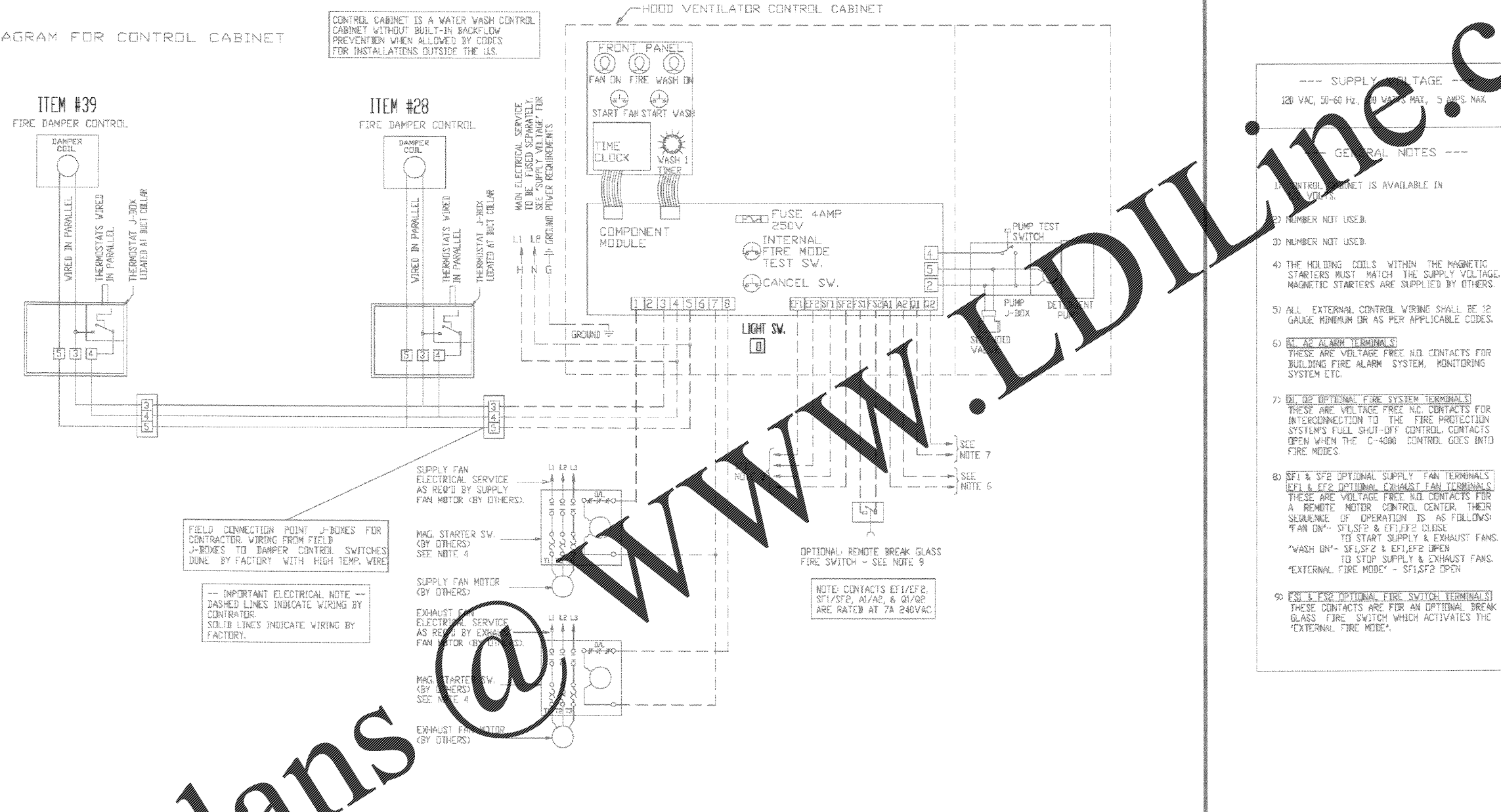


MASTER WIRING DIAGRAM FOR CONTROL CABINET

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)

OPTIONAL: REMOTE BREAK GLASS FIRE SWITCH - SEE NOTE 9  
NOTE: CONTACTS EF1/EF2, SF1/SF2, A1/A2, & Q1/Q2 ARE RATED AT 7A 240VAC

- SUPPLY VOLTAGE ---  
120 VAC, 50-60 Hz., 10 WATTS MAX., 5 AMPS MAX.
- GENERAL NOTES ---
- CONTROL CABINET IS AVAILABLE IN VOLTS.
  - NUMBER NOT USED.
  - NUMBER NOT USED.
  - THE HOLDING COILS WITHIN THE MAGNETIC STARTERS MUST MATCH THE SUPPLY VOLTAGE. MAGNETIC STARTERS ARE SUPPLIED BY OTHERS.
  - ALL EXTERNAL CONTROL WIRING SHALL BE 12 GAUGE MINIMUM OR AS PER APPLICABLE CODES.
  - Q1, Q2 ALARM TERMINALS:** THESE ARE VOLTAGE FREE, NO CONTACTS FOR BUILDING FIRE ALARM SYSTEM, MONITORING SYSTEM ETC.
  - Q1, Q2 OPTIONAL FIRE SYSTEM TERMINALS:** THESE ARE VOLTAGE FREE, NO CONTACTS FOR INTERCONNECTION TO THE FIRE PROTECTION SYSTEM'S FUEL SHUT-OFF CONTROL. CONTACTS OPEN WHEN THE C-4000 CONTROL GOES INTO FIRE MODES.
  - SF1 & SF2 OPTIONAL SUPPLY FAN TERMINALS** & **EF1 & EF2 OPTIONAL EXHAUST FAN TERMINALS:** THESE ARE VOLTAGE FREE, NO CONTACTS FOR A REMOTE MOTOR CONTROL. THEIR SEQUENCE OF OPERATION IS AS FOLLOWS:  
"FAN ON" - SF1/SF2 & EF1/EF2 CLOSE  
"WASH ON" - SF1/SF2 & EF1/EF2 OPEN  
"STOP SUPPLY & EXHAUST FANS" - SF1/SF2 OPEN  
"EXTERNAL FIRE MODE" - SF1/SF2 OPEN
  - SF1 & SF2 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 # 29

K103K506

NO SCALE

Order Plans

WWW.LDILINE.COM

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REVISIONS

Rev.	Description	Prep. By	Date	Appr'd.
1	AS-BUILT DRWG. NO CORRECTIONS	ALM	5/14/98	ALM

CHARLESTON AIR FORCE BASE  
DINING FACILITY  
VENTILATION DETAILS

NOVA FACILITIES Engineering Command  
Southern Division  
Charleston, South Carolina

RECORD DRAWING DATE: 7/27/04  
CODE LOG NO.: 80081  
DRAWING SIZE: D  
SPEC. NO.: 06-98-0939  
CONSTR. CONTR. NO.: NS2467-98-C-0939  
NAVFAC DRAWING NO.: 5357940  
SHEET 115 OF 194  
K506