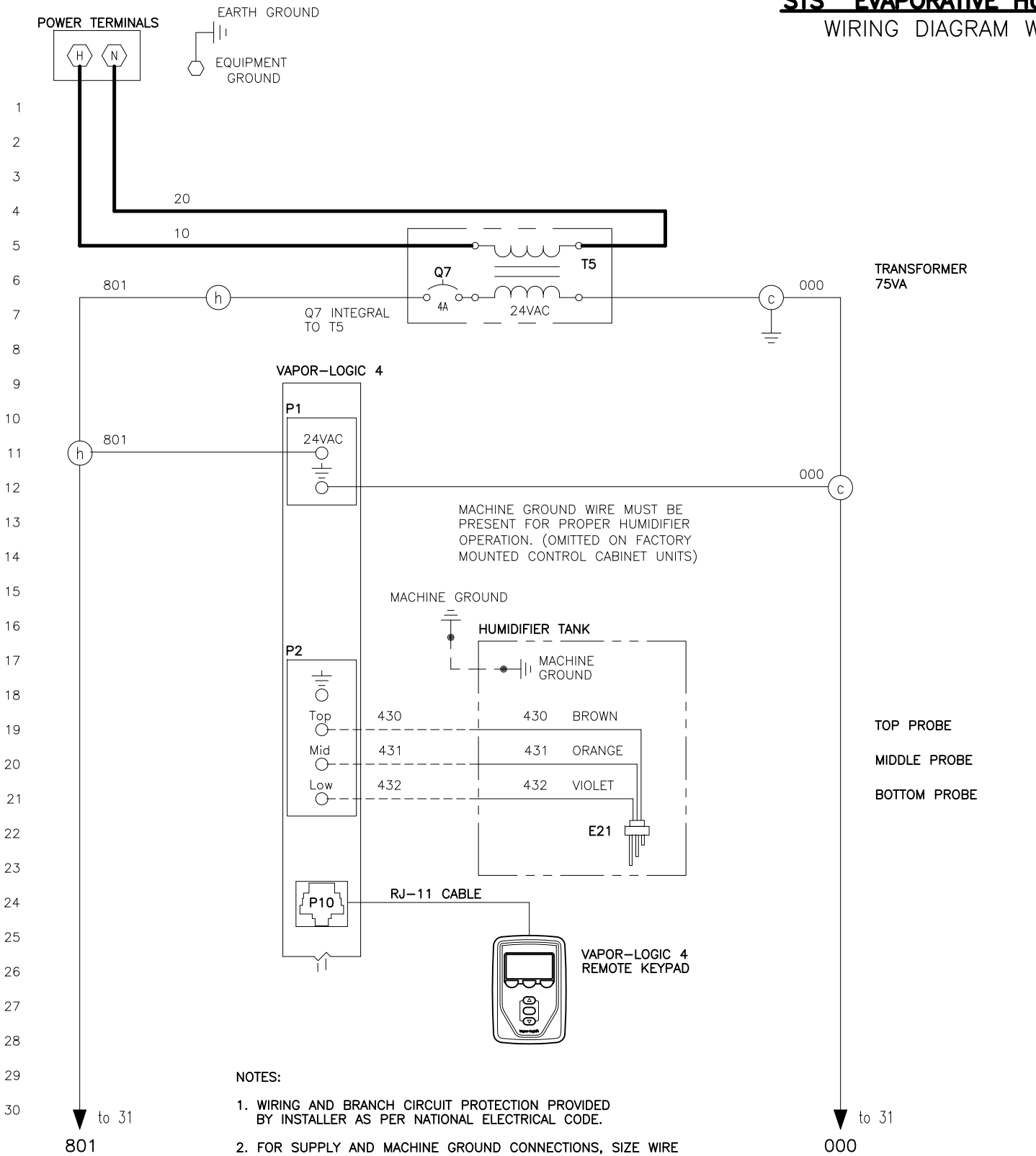


# STS® EVAPORATIVE HUMIDIFIER WIRING DIAGRAM W/VL4®

DATE	REV	RECORD	DR
8/12	D	E.C.# 5887	JK
10/12	E	E.C.# 5942	JK
3/14	F	E.C.# 6225	JK



**NOTES:**

1. WIRING AND BRANCH CIRCUIT PROTECTION PROVIDED BY INSTALLER AS PER NATIONAL ELECTRICAL CODE.
2. FOR SUPPLY AND MACHINE GROUND CONNECTIONS, SIZE WIRE USING 75°C WIRE TABLE PER NATIONAL ELECTRICAL CODE.
3. USE COPPER CONNECTORS RATED FOR 105°C.
4. INPUT LINE 120 VOLTS 1 PHASE, OPERATES ON 50/60 HERTZ.
5. POWER TERMINALS TORQUE 5 in-lbs  
GROUND LUG TORQUE 20 in-lbs  
CONTROL BLOCK TORQUE 5 in-lbs  
VL4 BOARD TORQUE 2.5 in-lbs

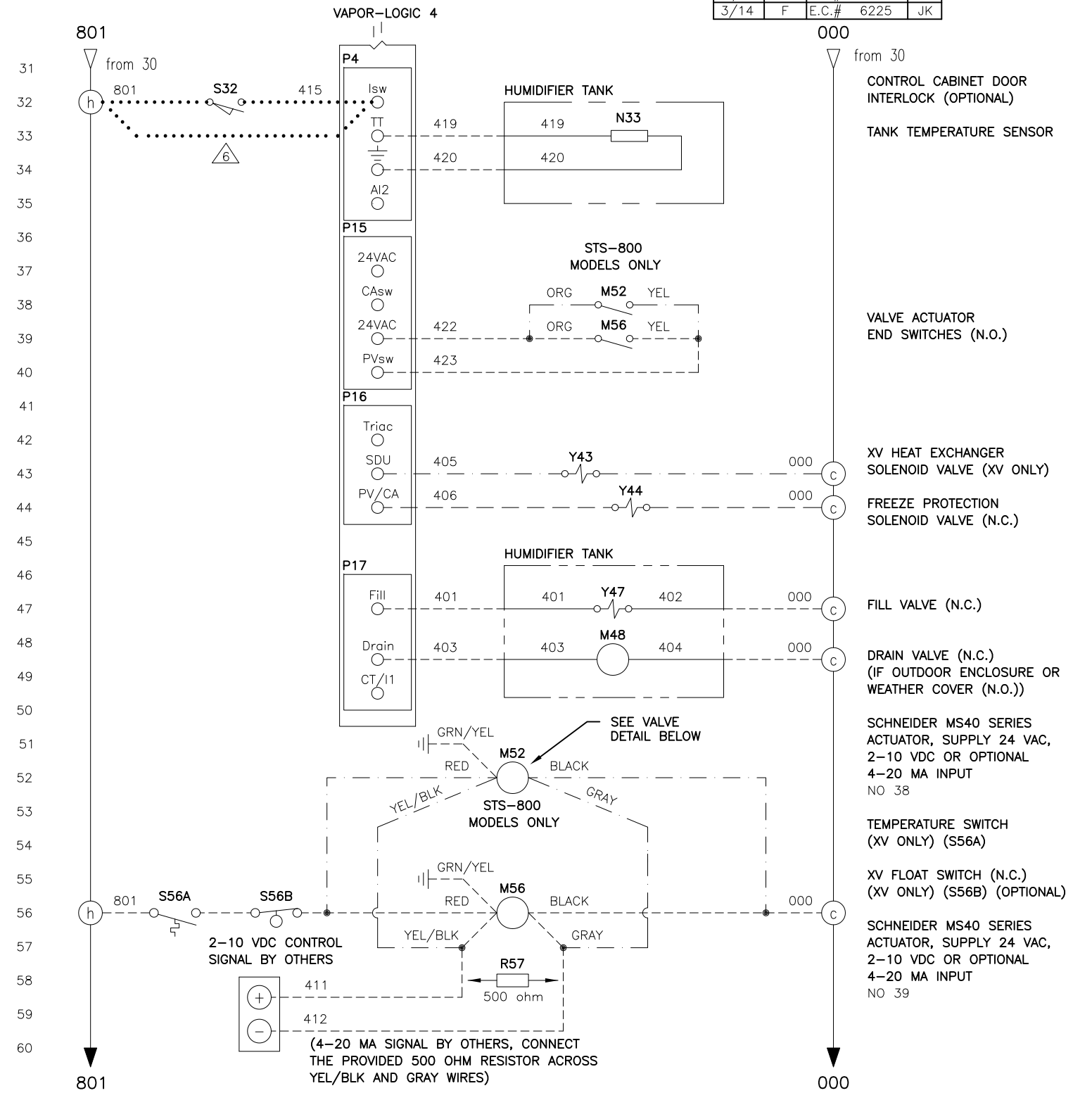
⚠ IF THE INTERLOCK SWITCH IS NOT USED, THEN WIRE DIRECTLY TO TERMINAL SWITCH.

**POWER WIRING**  
**CONTROL CIRCUIT WIRING**  
**FIELD WIRING**  
**OPTIONAL FACTORY**  
**OPTIONAL FIELD**

BREAK TO EXTERNAL CONNECTIONS DIAGRAM

**LEGEND**

K RELAY/CONTACTOR	Y SOLENOID
T TRANSFORMER	N SENSOR
Q CIRCUIT BREAKER	J JUMPER
S SWITCH	E WATER PROBE
H HEATER	M MOTOR/FAN



(REVERSE ACTING)  
"R" POSITION: VALVE  
OPENS WITH DECREASING  
DEMAND SIGNAL

(DIRECT ACTING)  
"L" POSITION: VALVE  
OPENS WITH INCREASING  
DEMAND SIGNAL

**VALVE DETAIL**

MODEL: \_\_\_\_\_

ORDER NO: \_\_\_\_\_

STEAM PRESSURE: \_\_\_\_\_ PSI

STEAM OUTPUT (LBS/HR): \_\_\_\_\_

		DOMESTIC STS, STD WATER, ELECT. ACTUATOR, CONTROLLED VLV BY OTHERS, 2-10VDC OR 4-20MA	
		MAT'L:	P/N
SCALE:	DATE: 12/15/10	STS-VL4-5	