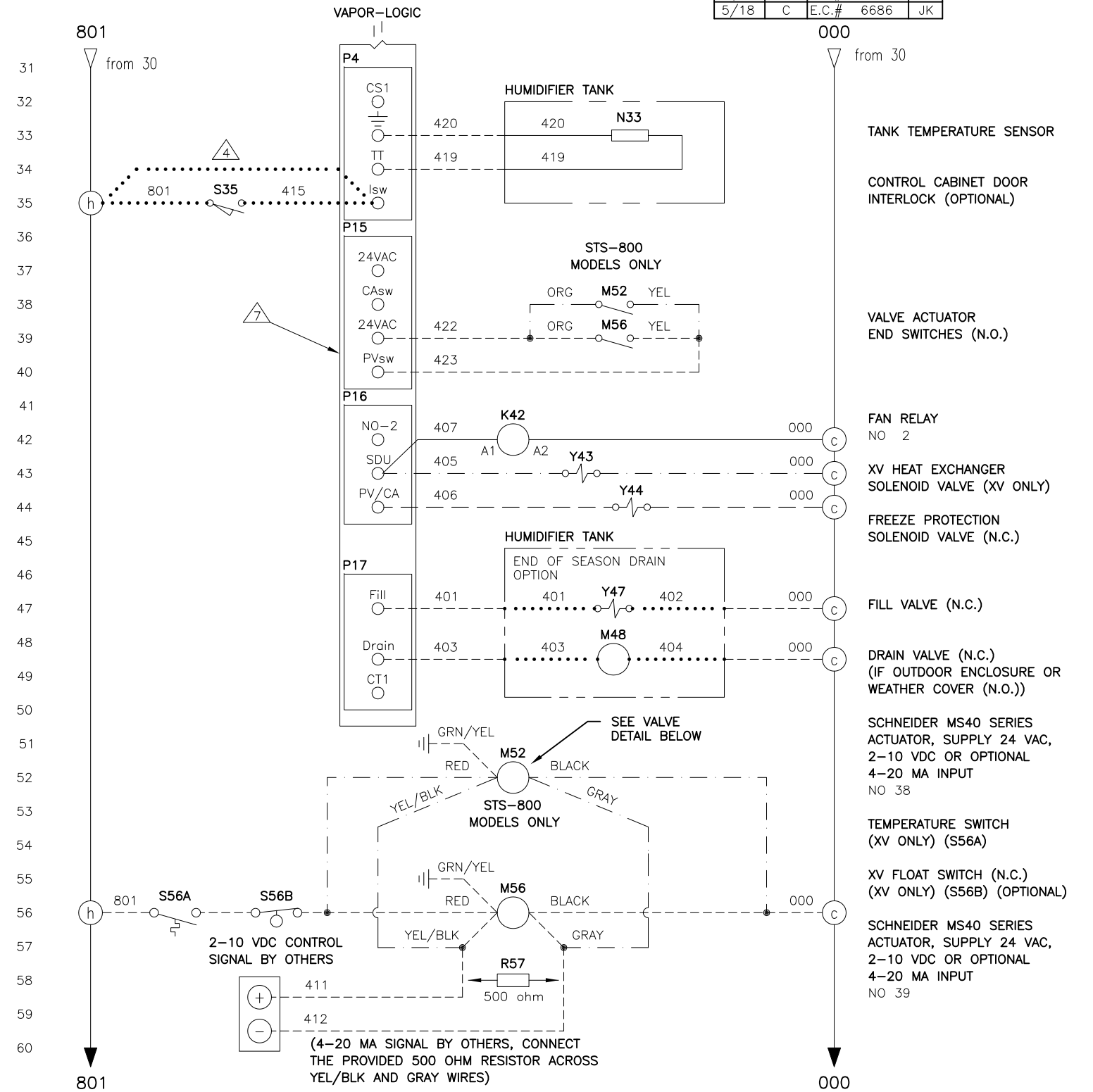
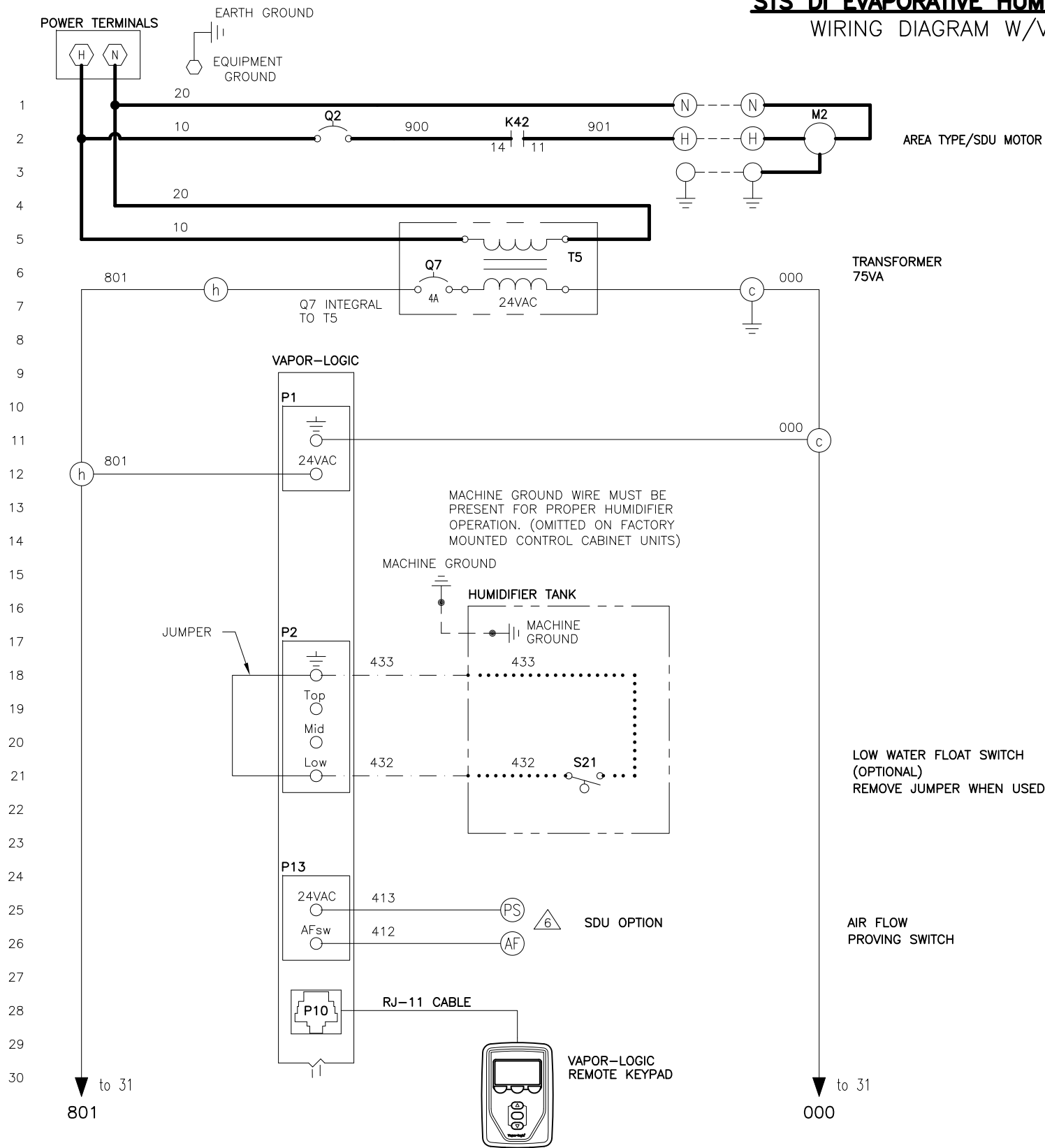


STS® DI EVAPORATIVE HUMIDIFIER WIRING DIAGRAM W/VL®

DATE	REV	RECORD	DR
7/15	A	E.C.# 6381	JK
11/17	B	E.C.# 6630	JK
5/18	C	E.C.# 6686	JK



POWER WIRING
CONTROL CIRCUIT WIRING
FIELD WIRING
OPTIONAL FACTORY
OPTIONAL FIELD

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

5. REFER TO STS ELECTRICAL DATA SHEET.

- ⚠️ FIELD WIRING REQUIRED BETWEEN SDU CABINET AND STS TERMINAL STRIPS FOR PROPER OPERATION OF SDU BLOWER AND AIR FLOW PROVING SWITCH.
- ⚠️ REMOVE SHUNT J404 FROM BOARD IF USING OPTIONAL ACCESSORY.

BREAK TO EXTERNAL CONNECTIONS DIAGRAM

LEGEND

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

		STS, DI WATER, ELECT. ACTUATOR, CONTROLLED VLV BY OTHERS, 2-10VDC OR 4-20MA, A-T /SDU	
		SCALE: _____ P/N	STS-VL-20
DRAWN BY: JK		DATE: 7/13/15	