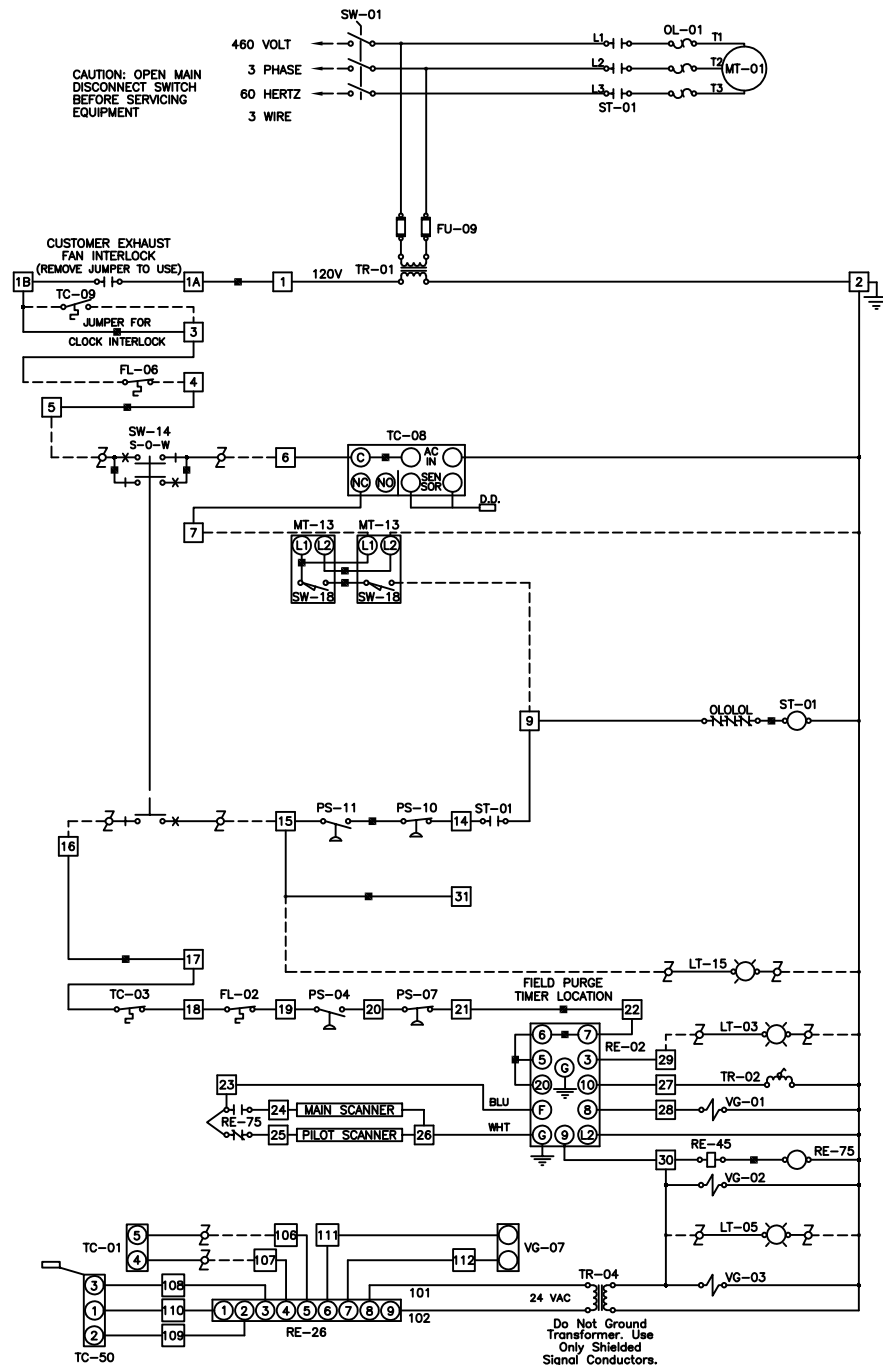


CAUTION: OPEN MAIN  
DISCONNECT SWITCH  
BEFORE SERVICING  
EQUIPMENT



# COMPONENT IDENTIFICATION

FU-09 FUSE CONTROL CIRCUIT TRANSFORMER

FL-02 HIGH TEMPERATURE LIMIT SWITCH  
FL-06 SUPPLY AIR FIRESTAT

LT-03 FLAME FAILURE LIGHT (REMOTE)  
LT-05 BURNER ON LIGHT (REMOTE)  
LT-15 FAN ON LIGHT (REMOTE)

MT-01 MAIN SUPPLY FAN MOTOR

MT-13 INLET DAMPER MOTOR

OL-01 MAIN FAN MOTOR OVERLOAD

PS-04 LOW GAS PRESSURE SWITCH  
PS-07 HIGH GAS PRESSURE SWITCH  
PS-10 HIGH VELOCITY SWITCH  
PS-11 LOW VELOCITY SWITCH

RE-02 FLAME SAFEGUARD RELAY

RE-26 ELECTRONIC RELAY  
RE-45 SENSOR SWITCHING RELAY (SET 10 SEC)  
RE-75 FLAME SUPERVISION SWITCHING RELAY

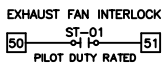
ST-01 MAIN SUPPLY FAN MOTOR STARTER  
SW-01 MAIN DISCONNECT SWITCH  
SW-18 DAMPER INTERLOCK SWITCH  
SW-14 SUMMER-OFF-WINTER SWITCH

TC-01 ROOM THERMOSTAT  
TC-03 ON-OFF INLET DUCTSTAT  
TC-08 FREEZESTAT (SET @ 3 MIN)  
TC-09 NIGHT SETBACK STAT

TC-50 DISCHARGE AIR SENSOR

TR-01 CONTROL CIRCUIT TRANSFORMER  
TR-02 IGNITION TRANSFORMER  
TR-04 MODULATING VALVE TRANSFORMER

VG-01 PILOT GAS VALVE  
VG-02 MAIN GAS VALVE  
VG-03 AUXILIARY GAS VALVE  
VG-07 MODULATING GAS VALVE



NOTES  
REMOTE WIRING TO TC-01 MUST BE SHIELDED CABLE IF RUN IN CONDUIT WITH LINE VOLTAGE (UP TO 100 FT.) SHIELDED CABLE MUST BE GROUNDED AT UNIT CONTROL CABINET ONLY. RUNS OVER 100 FT. TO 200 FT. MUST BE IN A SEPARATE CONDUIT.  
---FOR LONGER RUNS CONSULT FACTORY---

- UNIT SHALL BE GROUNDED ACCORDING TO THE LATEST PROVISIONS OF NEC.
- FOR SEQUENCE OF OPERATION PLEASE SEE DDC USER MANUAL.
- BECAUSE OF SHIPPING RESTRICTIONS FIELD CONNECTIONS AND/OR WIRING BETWEEN COMPONENTS OR SECTIONS MAY BE REQUIRED.

- ⊗ DENOTES WIRE NUT
- DENOTES JUMPER WIRE
- DENOTES WIRE CONNECTION
- DENOTES CONTROL CABINET TERMINAL BLOCK & WIRE NUMBER 1 TO 99 - 115 VOLT 101 TO 299 - 24 VOLT, CLASS II CONNECTIONS
- DENOTES BURNER TERMINAL BLOCK & WIRE NUMBER
- DENOTES WIRING BY OTHERS
- 2 DENOTES WIRE NUMBER LEADS
- Δ DENOTES COMPONENTS BY OTHERS

REV	DATE	BY	DESCRIPTION



Applied Air

TITLE: DIRECT FIRED UNIT System44 WIRING DIAGRAM			
F.O. NO. 0041555001	TAG: ALAN DFC-222	DRN. BY: N.N.	DATE: 2/8/19

DRAWING NO. WD-0041555001