

Factory Floor Operator Station Wiring Diagram

NOTES:

1. FOR 120V, L3 SIZE OF WIRE SHOULD BE GROUNDED.
FOR 230/240V, GROUND SHOULD EXIST BETWEEN L1 AND L3.
IF WIRE SUPPLY CANNOT BE GROUNDED, ADD ROUTING
TRANSFORMER AND GROUND L3 TERMINAL.
2. CUSTOMER WEG.
 - a. SINGLE CONDUCTOR (SOLID OR STRANDED) #14
GAGE OR SMALLER.
 - b. DOUBLE CONDUCTOR #18 GAGE OR SMALLER.
3. SCREWS MUST BE TORQUED SECURELY.

4. DI requires a contact closure for remote
acknowledge or remote shutdown.

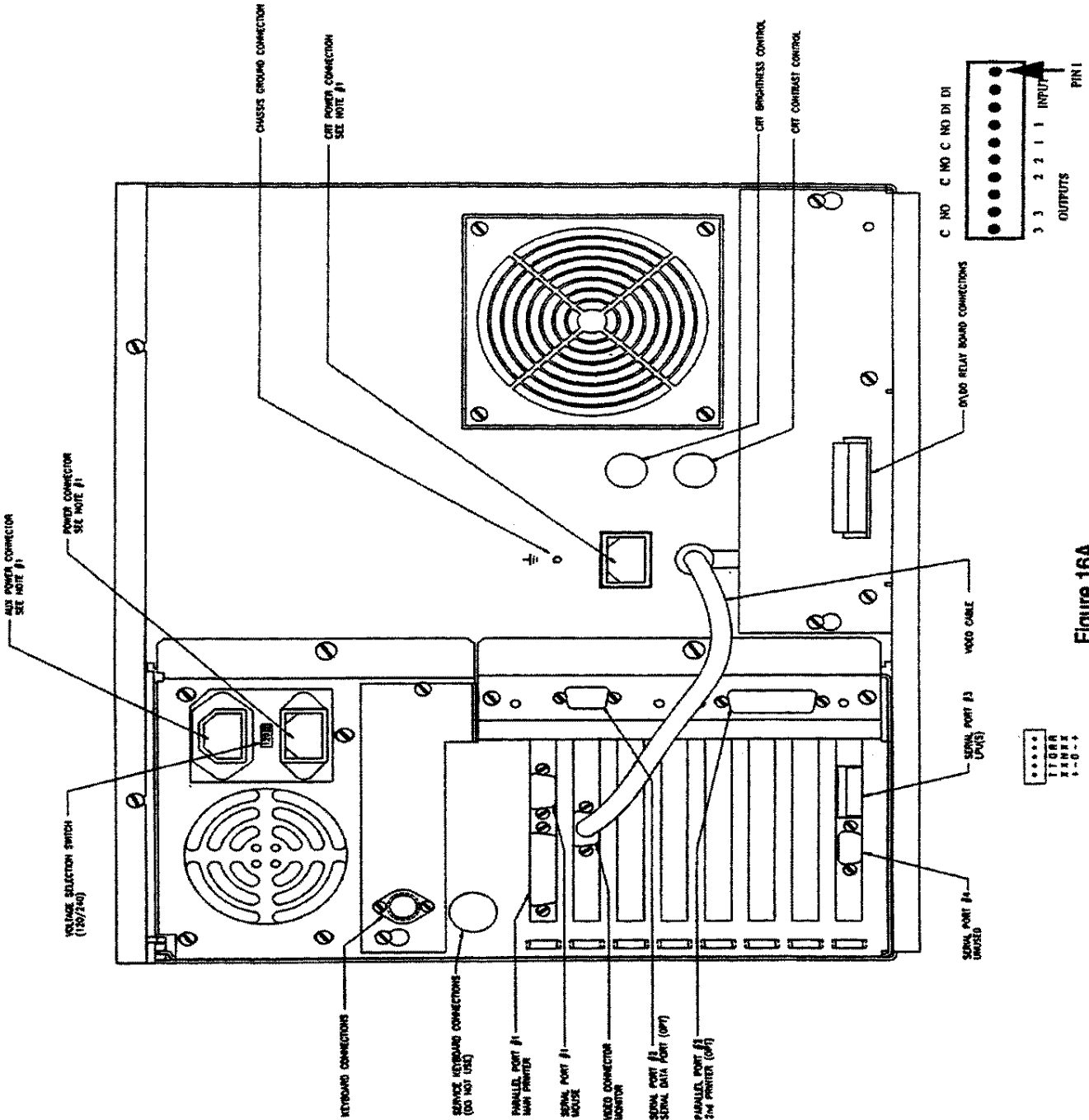
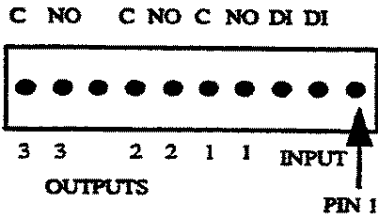
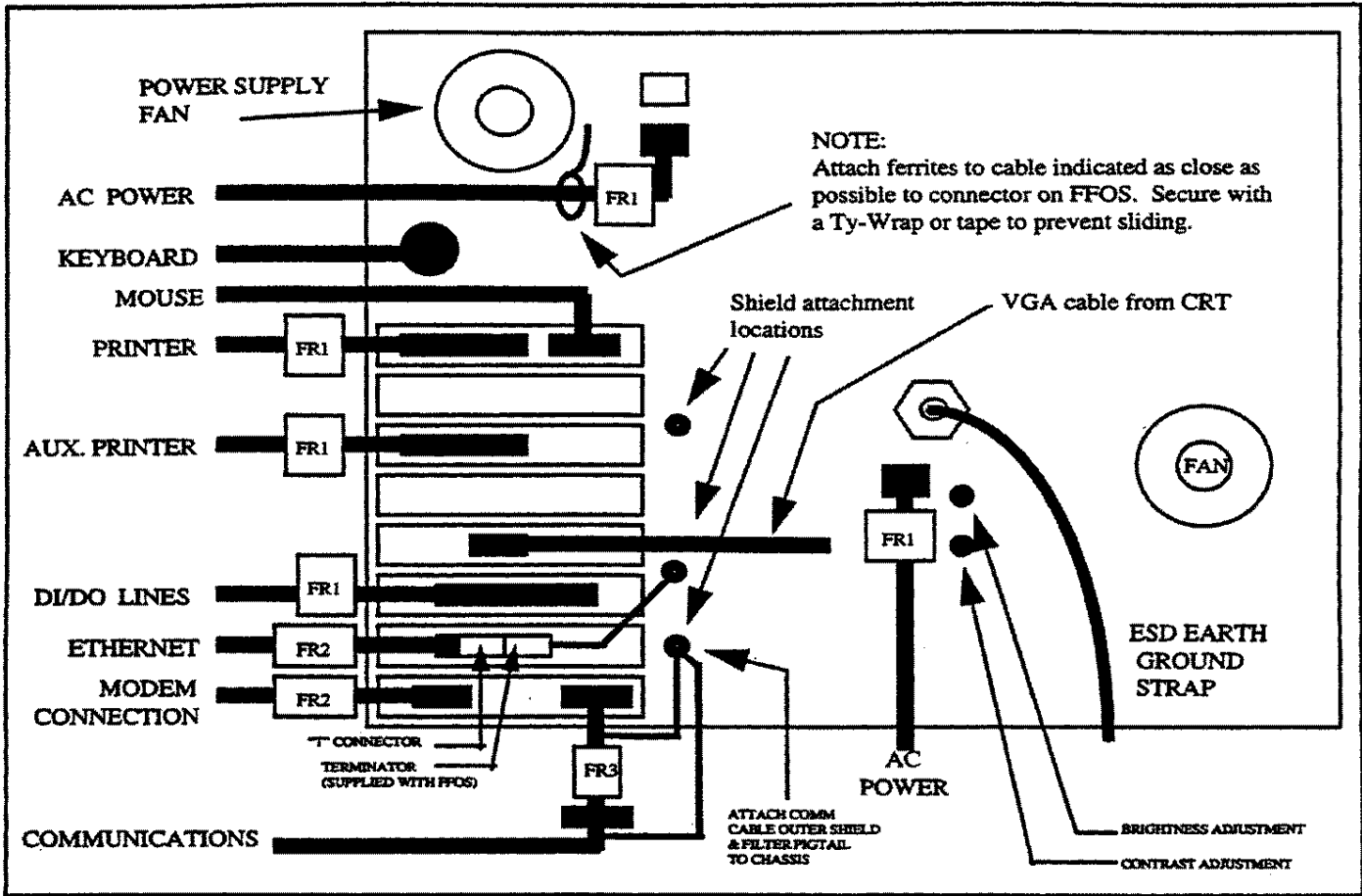


Figure 16A
FFOS Customer Connections (non CE)

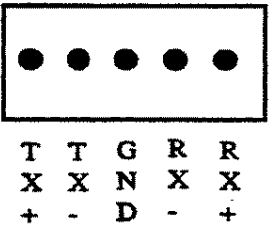


TYPICAL WIRING FOR (68412/445)
SEE NOTE #2/3

Factory Floor Operator Station Wiring Diagrams



Typical wiring for DI/DO
(See Notes 2, 3, & 4.)



Typical wiring for RS422/485
(See Notes 2 & 3.)

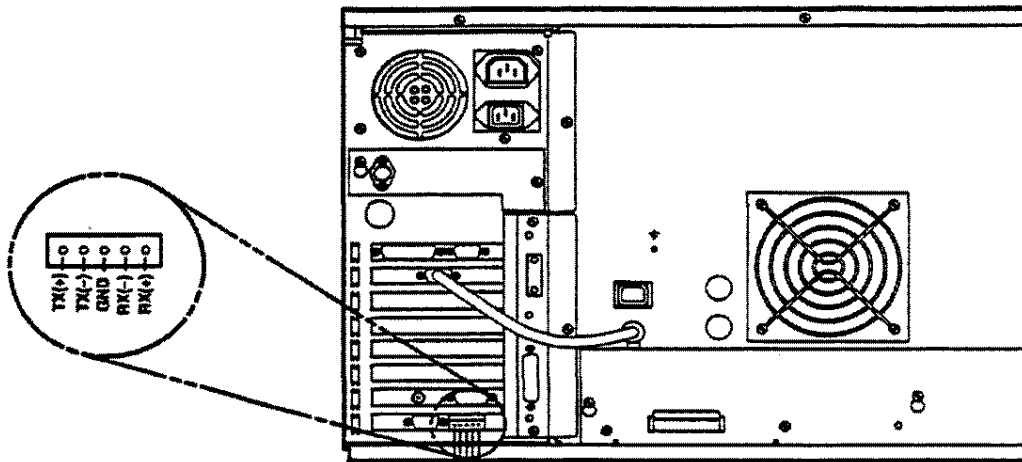
NOTES

1. For 120V, L2 side of line should be grounded. For 220V/240V, ground should exist between L1 and L2. If line supply cannot be grounded, add isolating transformer and ground L2 terminal.
2. Customer wire:
 - a. Single conductor (solid or stranded) #14 gage or smaller.
 - b. Double conductor #18 or smaller.
3. Screws must be tightened securely.
4. DI requires a contact closure for remote acknowledge or remote shutdown.

Figure 16B
FFOS Customer Connections (CE)

Factory Floor Operator Station Wiring Diagrams

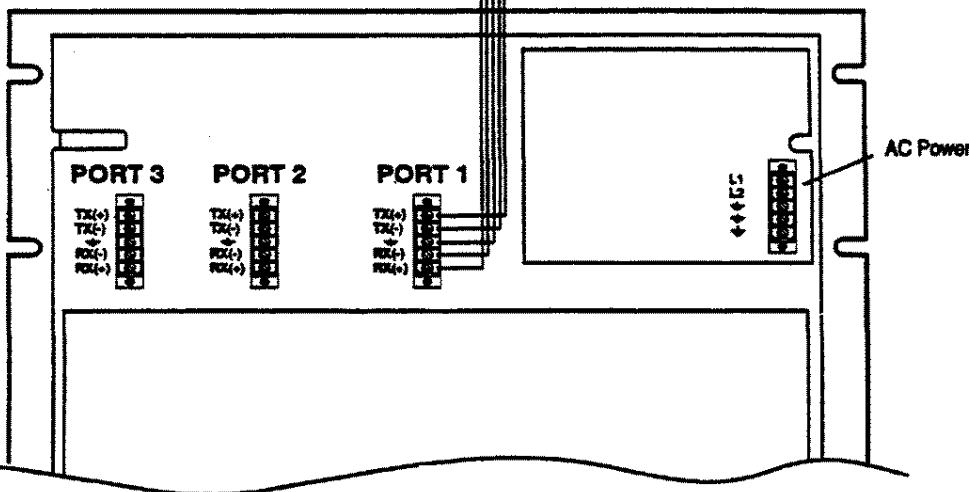
FACTORY FLOOR OPERATOR STATION (Rear View)



CE units require proper communication filter installation at this point

Refer to Communication Cable Preparation Section before making these connections

LPU (Front View with Cover Off)



16	GND		15	
17			14	
18		TX	13	RS-232 CHAN. B
19			12	
20	RX		11	
21	RX+	GND	10	RS-422 CHAN. B
22	RX-	TX-	9	
23	TX+	GND	8	
24			7	
25		TX	6	RS-232 CHAN. A
26			5	
27	RX		4	
28		RX+	3	RS-422 CHAN. A
29	RX-	TX-	2	
30	GND	TX+	1	

FIG. A-1
Applies to 6 & 10 MHz
LPUs only

NOTES

1. Ports 1 & 3 cannot be connected to a Local Station
2. Connections to the optional serial communications port (Local Station, Supervisory Stations, Datavue™ Computer, etc.) may also be made to optional Slot Communications Card, if present. This card is located in a normal slot position 1 to 5 and connections to it are made on the regular terminal board for that slot. For connections, see Fig. A-1 above.
3. CE units must be installed per Figure 16B.

Figure 18
FFOS Connection to LPU without Management Station

Factory Floor Operator Station Wiring Diagrams

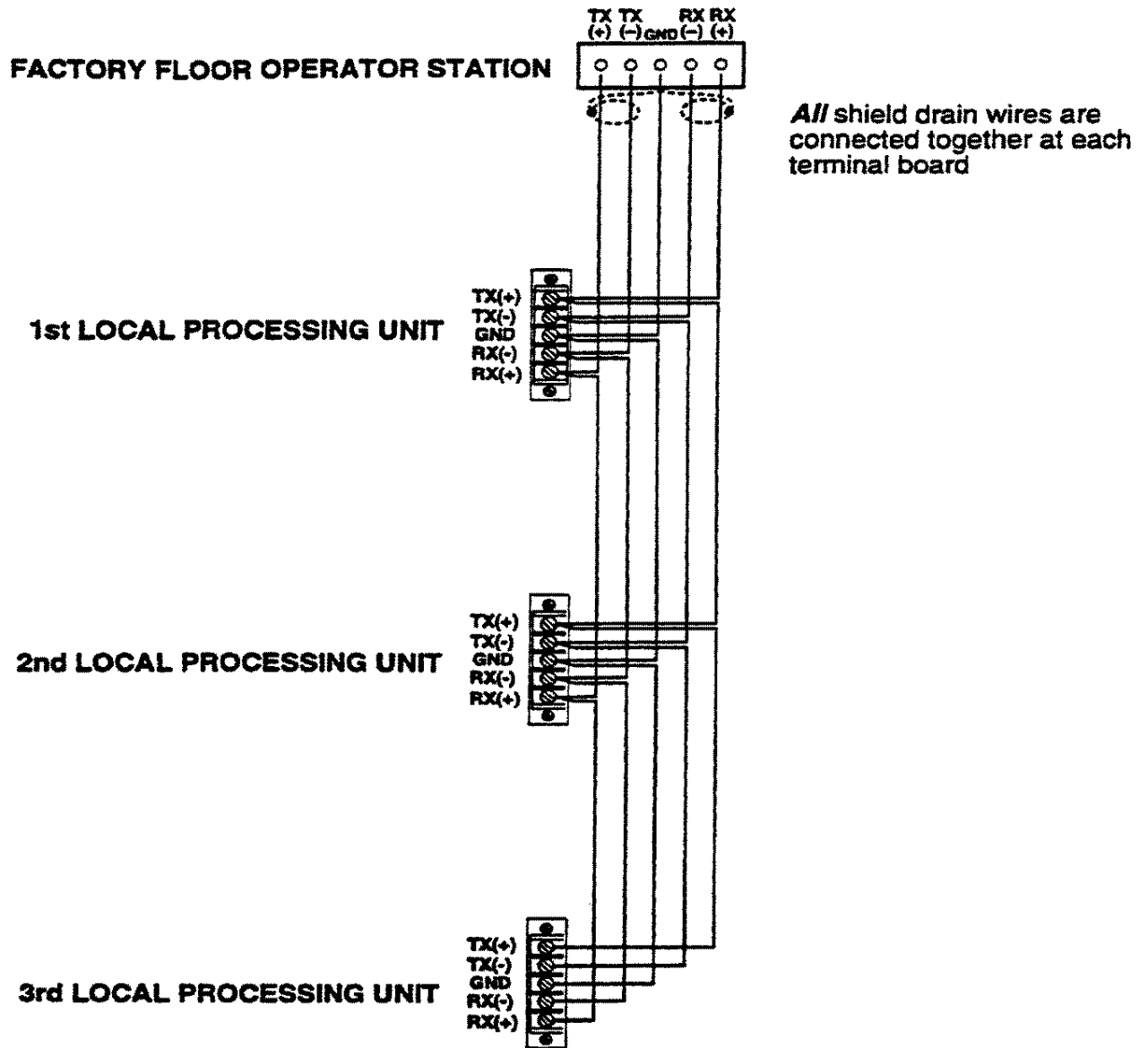


Figure 19
Actual Connections for Typical Communication Link
From FFOS to Local Processing Units