NOTES:
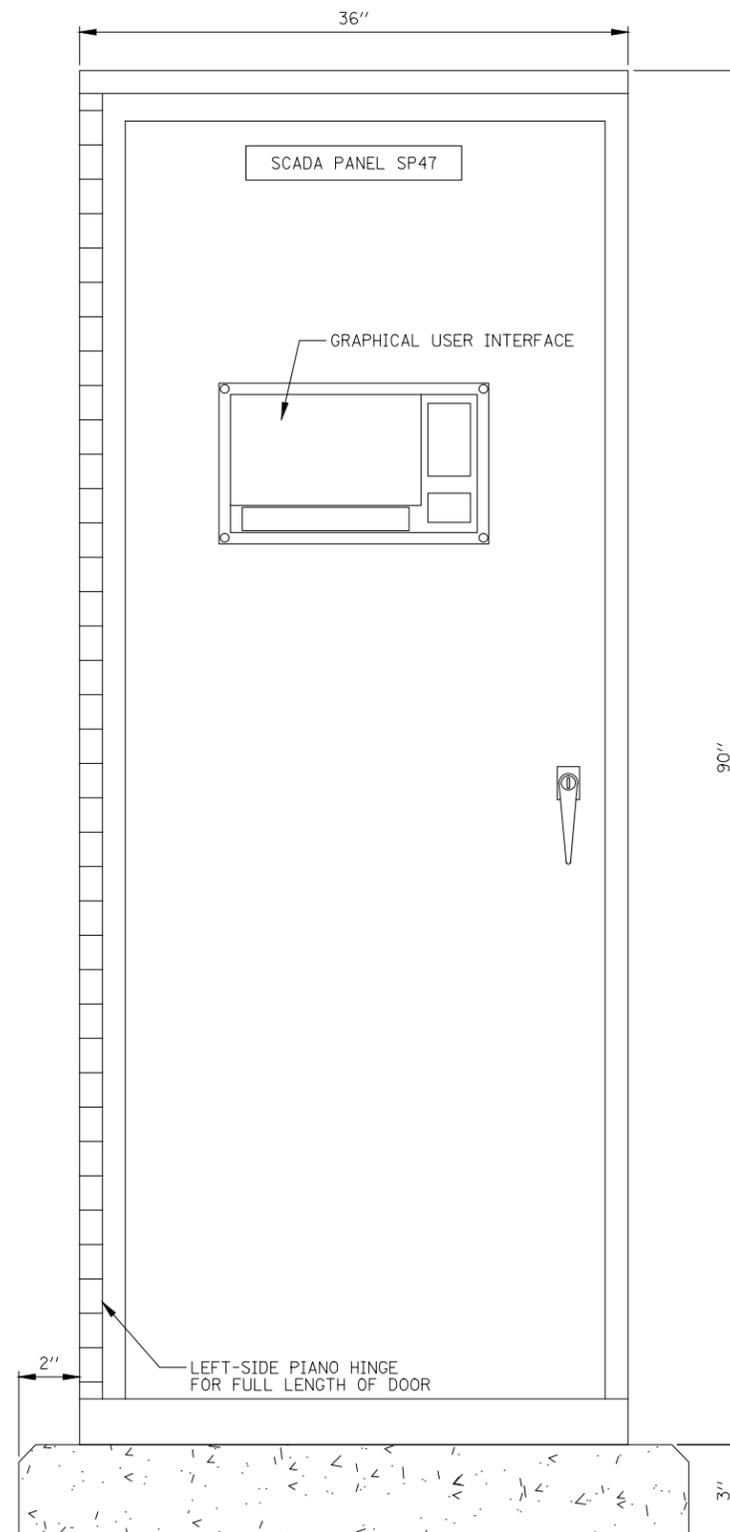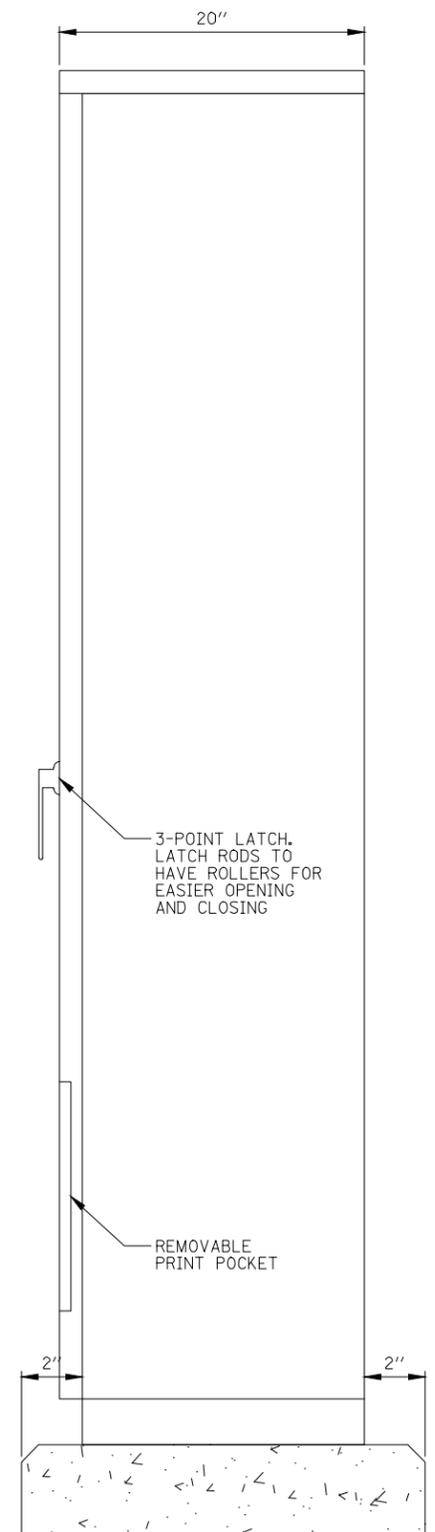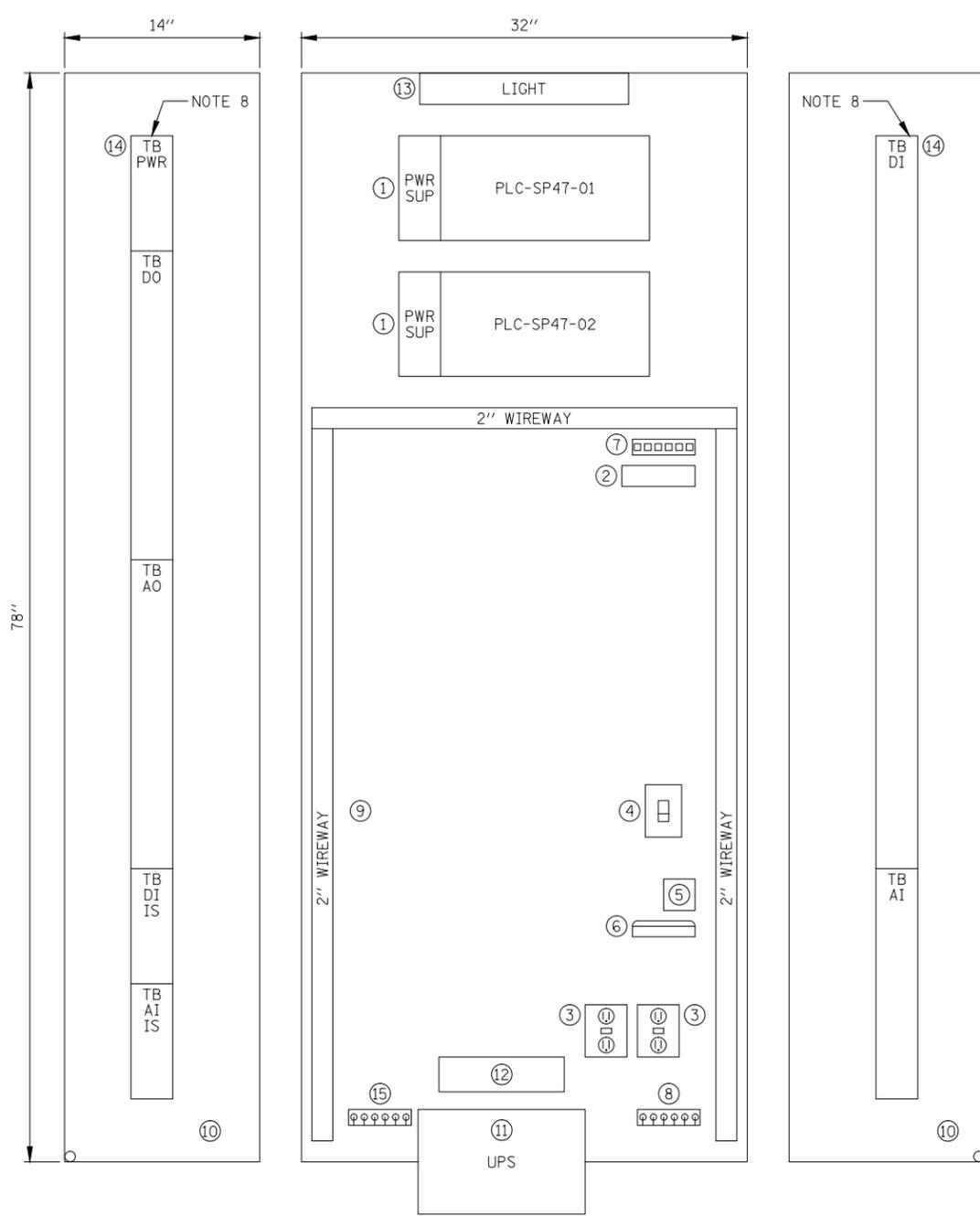
1. SEE SHEETS GI-1 AND GI-2 FOR INSTRUMENTATION SYMBOL LIST, ABBREVIATIONS, AND GENERAL NOTES.

2. THE SCADA PANEL SHALL BE OF SUFFICIENT DEPTH TO ACCOMMODATE ALL DEVICES. PROPER CLEARANCE SHALL BE PROVIDED BETWEEN DOOR MOUNTED DEVICES AND PANEL MOUNTED DEVICES.

3. SCADA PANEL DETAIL PROVIDES INFORMATION REGARDING SOME OF THE MAJOR COMPONENTS TO BE MOUNTED IN THE PANEL. ANCILLARY DEVICES SUCH AS RELAYS, TIMER, POWER SUPPLIES, ETC., ARE NOT SHOWN. ALL DEVICES TO PROVIDE A FUNCTIONING SYSTEM AS DETAILED IN THE PLANS AND SPECIFICATIONS SHALL BE PROVIDED. CONTRACTOR TO PROVIDE SUBMITTAL DETAILING PANEL LAYOUT FOR ALL COMPONENTS.

4. REFER TO SPECIFICATION SECTION 40 94 23 FOR ADDITIONAL CONTROL PANEL AND INTRINSICALLY SAFE DEVICE INSTALLATION REQUIREMENTS.

5. NAMEPLATES TO BE WHITE WITH BLACK LETTERING.

6. INTRINSICALLY SAFE WIRING SHALL BE SEGREGATED FROM ALL OTHER TYPES OF WIRING. INTRINSICALLY SAFE WIRING SHALL BE INSTALLED IN A CONDUIT ONLY WITH OTHER INTRINSICALLY SAFE CIRCUITS IN PANELS AND EQUIPMENT. INTRINSICALLY SAFE CIRCUIT WIRING SHALL HAVE A MINIMUM OF 3 INCHES OF CLEARANCE, OR A GROUNDED METAL OR INSULATING PARTITION, BETWEEN THE INTRINSICALLY SAFE AND OTHER TYPES OF WIRING. SEE NEC ARTICLE 504.

7. REFER TO SHEET ID-4 DETAIL NO. 2 FOR GROUNDING REQUIREMENTS.

8. TERMINAL BLOCK DESIGNATIONS ARE AS FOLLOWS:
   TBPWR - POWER
   TBDI - DIGITAL INPUTS
   TBAI - ANALOG INPUTS
   TBDO - DIGITAL OUTPUTS
   TBAO - ANALOG OUTPUTS
   TBDIIS - INTRINSICALLY SAFE DIGITAL INPUTS
   TBAIIS - INTRINSICALLY SAFE ANALOG INPUTS

9. PATCH PANEL MUST BE SUITABLE FOR SC, ST, OR LC FIBER CONNECTION. CONNECTOR, FIBER CABLE, AND FIBER PATCH CABLE TO BE PROVIDED BY OTHERS IN THE FUTURE.

1
SCADA PANEL SP47 FRONT VIEW
NOT TO SCALE

2
SCADA PANEL SP47 SIDE VIEW
NOT TO SCALE

3
SCADA PANEL SP47 INTERIOR DETAIL
NOT TO SCALE

	MAJOR EQUIPMENT LIST ⬡
ITEM #	DESCRIPTION
1	ALLEN BRADLEY 1756-L7 REDUNDANT CONTROL LOGIC PLC
2	ALLEN BRADLEY ETHERNET SWITCH
3	GFCI OUTLET, 125V, 20A, IN HANDY BOX
4	LIGHT SWITCH, 125V, 20A, IN HANDY BOX
5	PHONE LINE SUPPRESSOR
6	MODEM, TELEPHONE (LEASE-LINE)
7	6-PORT FIBER PATCH PANEL (NOTE 9)
8	GROUND BUS (NOTE 7)
9	BACK PANEL
10	SIDE PANEL
11	UPS, 120VAC (UPS-SP47)
12	UPS MAINTENANCE BYPASS SWITCH (BPS-SP47)
13	FLUORESCENT LIGHT, 120V, 20W
14	TERMINAL BLOCKS, 300V, SCREW TYPE
15	INSTRUMENTATION GROUND BUS (NOTE 7)

ID-1