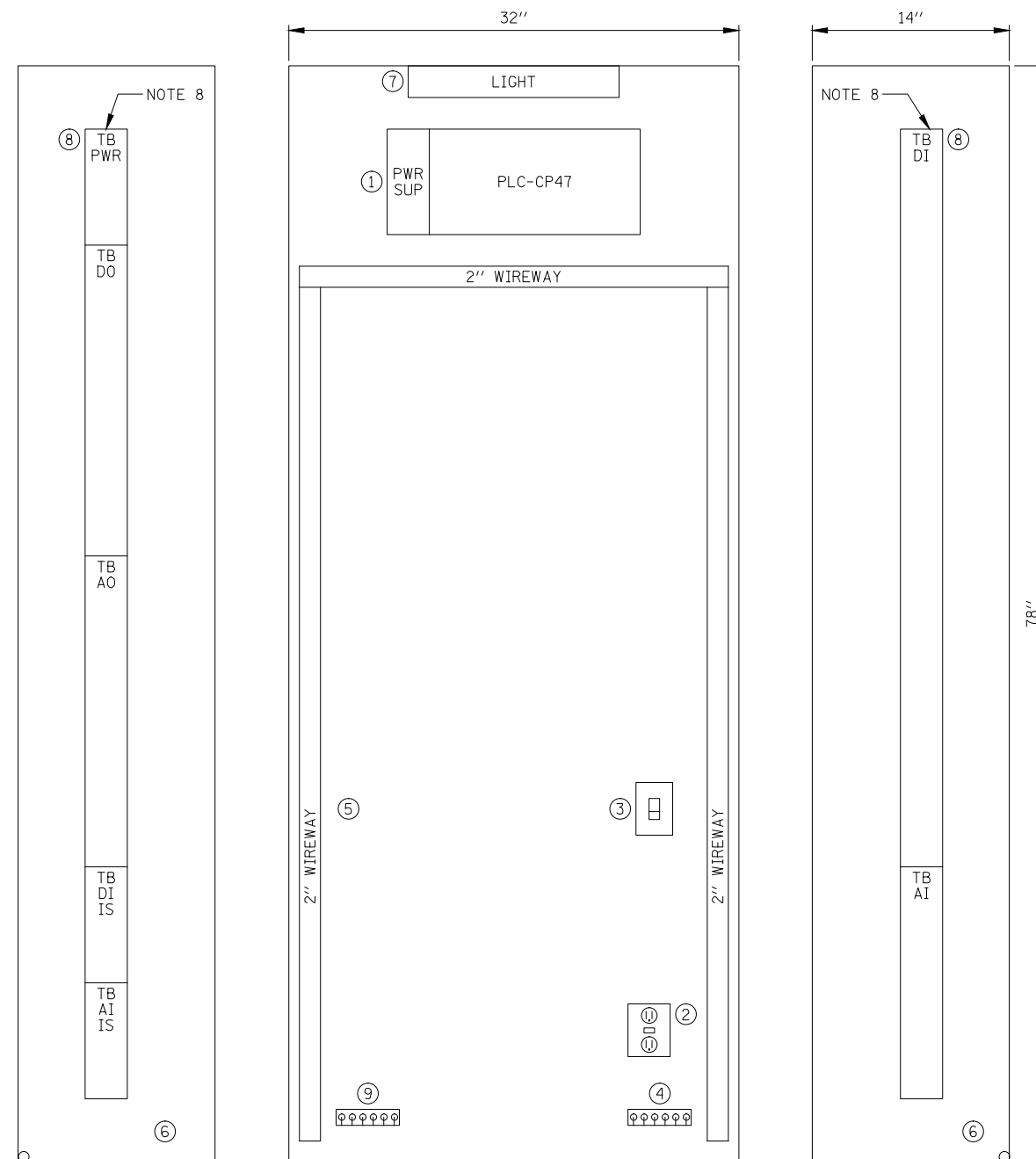


NOTES:

1. SEE SHEETS GI-1 AND GI-2 FOR INSTRUMENTATION SYMBOL LIST, ABBREVIATIONS, AND GENERAL NOTES.
2. THE CONTROL PANEL SHALL BE OF SUFFICIENT DEPTH TO ACCOMMODATE ALL DEVICES. PROPER CLEARANCE SHALL BE PROVIDED BETWEEN DOOR MOUNTED DEVICES AND PANEL MOUNTED DEVICES.
3. CONTROL 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 DETAILED PANEL LAYOUT FOR ALL COMPONENTS.
4. REFER TO SPECIFICATION SECTION 40 94 23 FOR 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, 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

MAJOR EQUIPMENT LIST	
ITEM #	DESCRIPTION
1	ALLEN BRADLEY 1756-L7 REDUNDANT CONTROL LOGIC PLC
2	GFCI OUTLET, 125V, 20A, IN HANDY BOX
3	LIGHT SWITCH, 125V, 20A, IN HANDY BOX
4	GROUND BUS (NOTE 7)
5	BACK PANEL
6	SIDE PANEL
7	FLUORESCENT LIGHT, 120V, 20W
8	TERMINAL BLOCKS, 300V, SCREW TYPE
9	INSTRUMENTATION GROUND BUS (NOTE 7)



1 CONTROL PANEL CP47 INTERIOR DETAIL
NOT TO SCALE