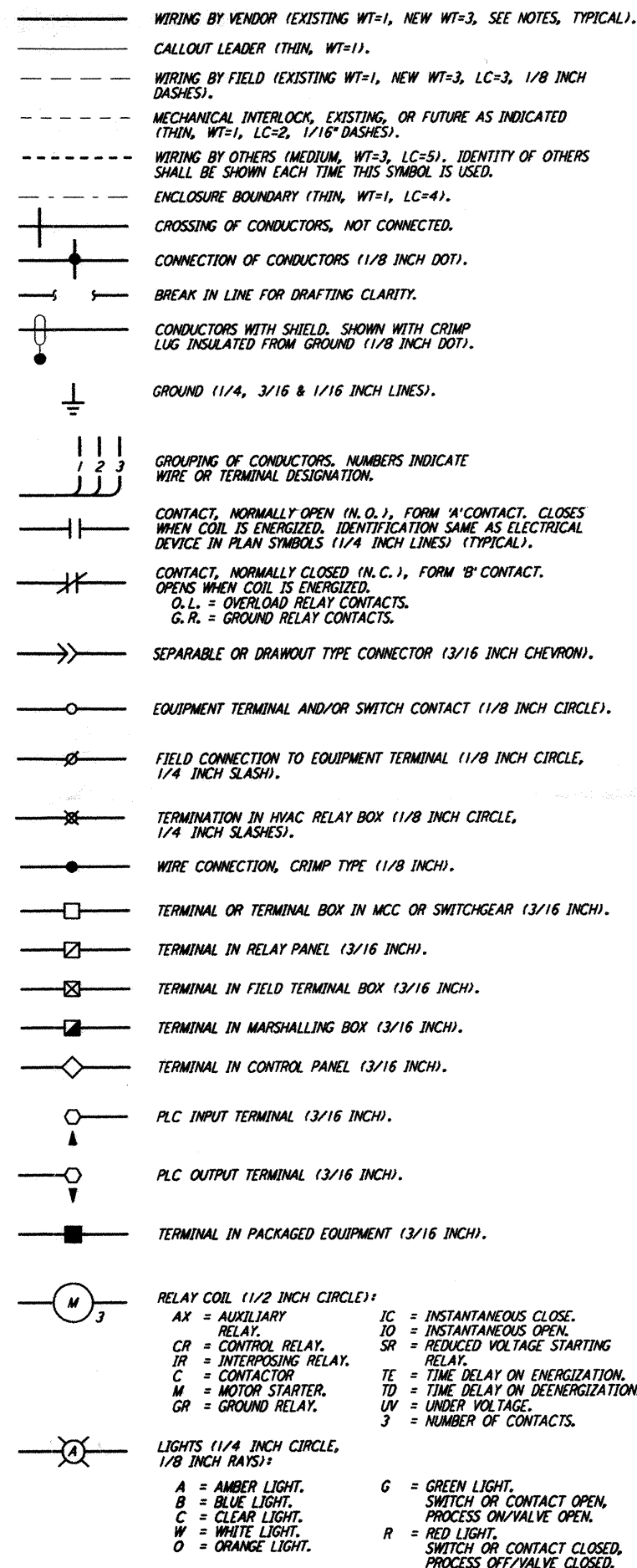


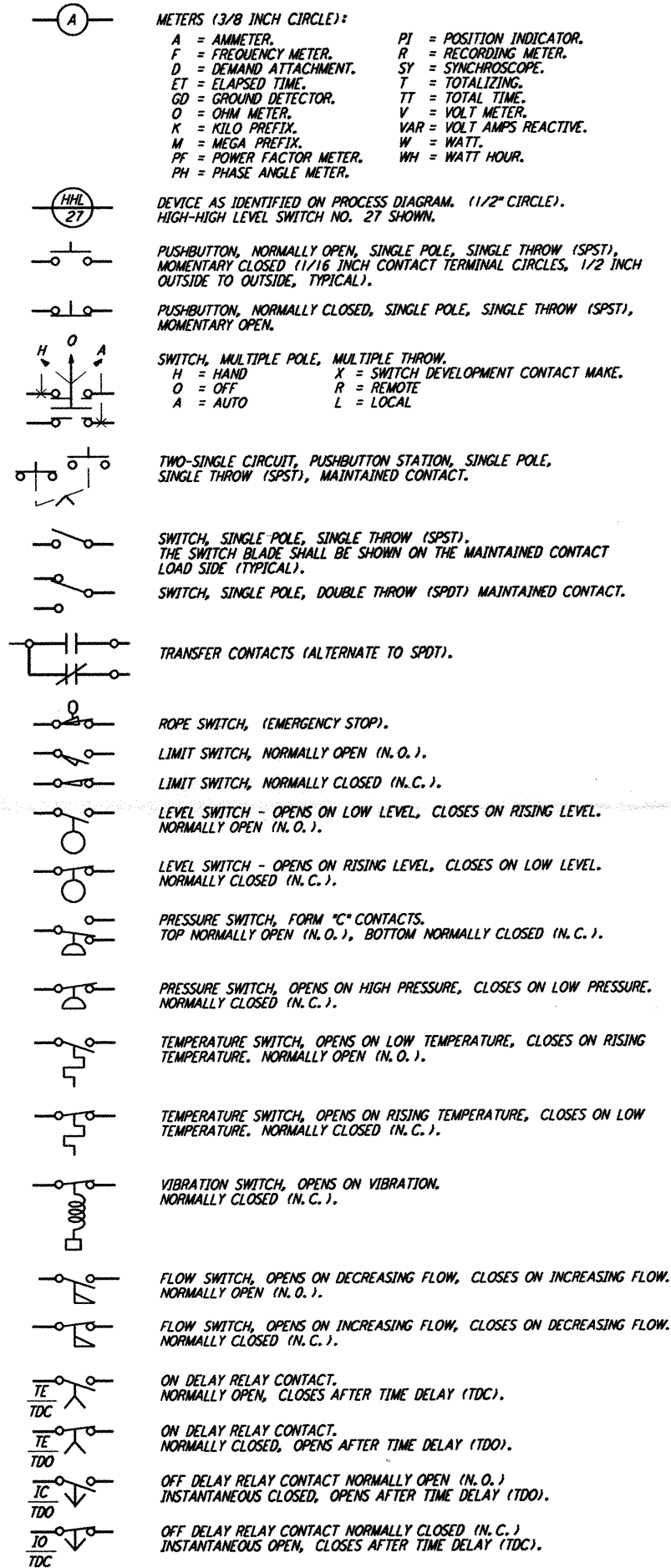
**SCHEMATIC & WIRING DIAGRAM SYMBOLS**



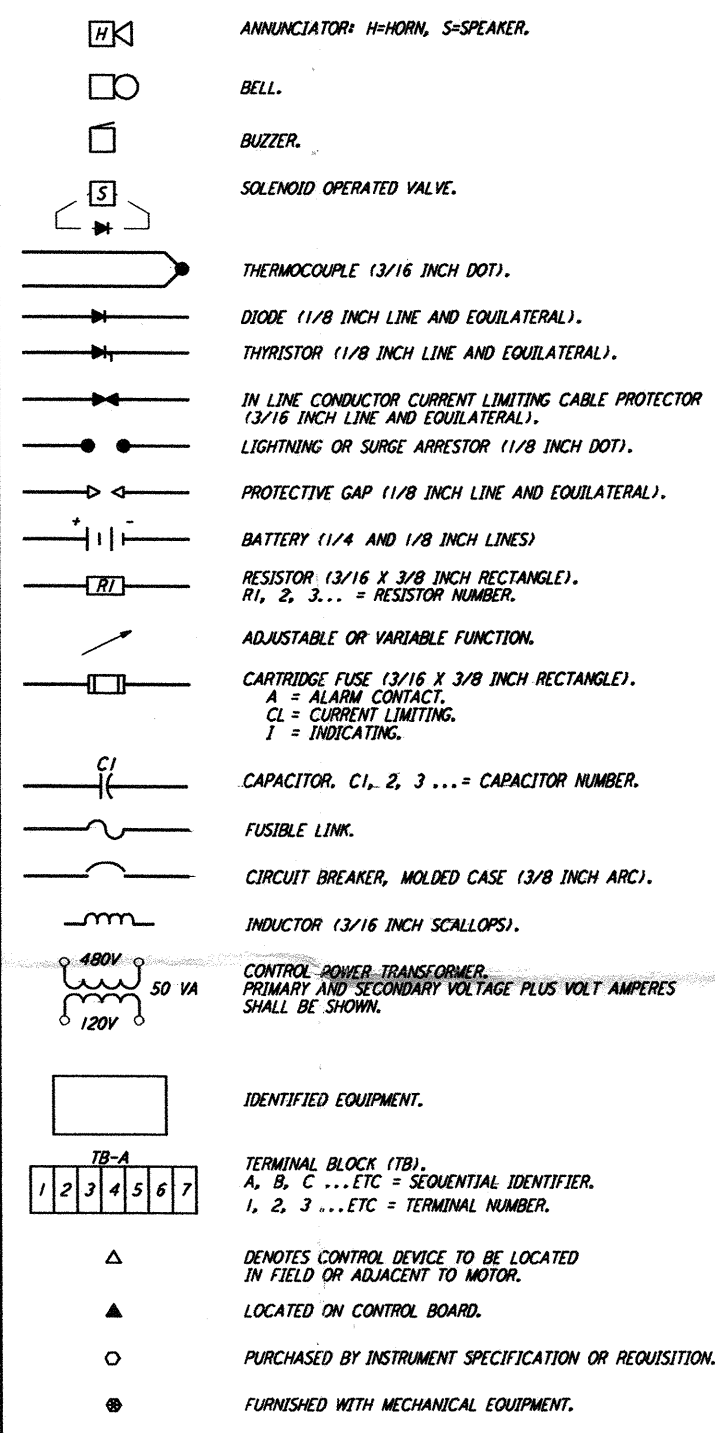
**REFERENCE DRAWINGS**

- WA-E-004 ONE & THREE LINE DIAGRAM SYMBOLS
- WA-E-002 STANDARD PLAN SYMBOLS
- WA-E-001 ABBREVIATIONS & ACRONYMS

**SCHEMATIC & WIRING DIAGRAM SYMBOLS**



**SCHEMATIC & WIRING DIAGRAM SYMBOLS**



**MOTOR CONTROL CABLE CONDUCTOR COLOR CODE**

CODE	COLOR	CONDUCTOR NO.
R	RED	1
O	ORANGE	2
X2	WHITE	X2
BU	BLUE	3
Y	YELLOW	4
BK	BLACK	5
BR	BROWN	6
P/BK	RED/BLACK	7
BU/BK	BLUE/BLACK	8
GR	GREEN	GROUND OR (-)

**NOTES:**

- THIS IS A STANDARD DRAWING. ITEMS NOT SHOWN ON DIAGRAMS ARE FOR FUTURE USE. DO NOT EDIT THIS SHEET FOR SPECIFIC APPLICATION. CADD AND MANUAL DRAFTING INSTRUCTIONS SHALL REMAIN FOR FIELD CHANGES AND AS BUILTS. SPECIFICATION DATA SHALL REMAIN FOR QUALITY CONTROL.
- SYMBOLS ON THIS DRAWING HAVE BEEN ADAPTED FROM ANSI/ASME Y14.15-1966 (191988) AND ANSI/ASME Y14.2-1975 (IEEE STD. 315-1975 (1988)) WITH IEEE STD 315A-1986 AND RESOLUTION OF CONFLICTS AND SHALL BE USED AS BASIC BUILDING BLOCKS TO ASSEMBLE ALL REQUIRED FORMS OF GRAPHIC REPRESENTATION ON SCHEMATIC AND WIRING DIAGRAMS.
- DRAFTING SHALL INCLUDE LINE THICKNESS PER ANSI/ASME Y 14.2M-1979 (R 1987) AND ANSI/ASME Y14.15-1966 (R 1988) AS FOLLOWS:  
 THIN ----- CENTER, DIMENSION, BREAK, EXISTING, AND BACKGROUND LINES. (0.016, 1/64, INCH, WT=1).  
 MEDIUM ----- NEW WORK. (0.032, 1/32, INCH, WT=3).  
 THICK ----- MATCH LINE, POWER BUS, OR BATTERY LIMIT. (0.048, 3/64, INCH, WT=5).  
 DO NOT USE WT=0, 2 OR 4 FOR LINES.  
 CADD WEIGHT SHALL BE AS INDICATED WITH WT= TEXT, EQUIPMENT CALLOUTS, AND LEADER LINES. CADD LV=32. SYMBOLS, BUSWAY AND FEATURES, CADD LV=31.
- LETTERING SHALL BE SLANTED WITHIN DRAWING. 1/8 INCH FOR TEXT, 1/4 INCH FOR HEADINGS AND TITLES. CADD FONT 61. WIDTH RATIO SHALL BE 80 PERCENT. LINE SPACING SHALL BE 1/2 TEST HEIGHT. 1/8 INCH LETTERS SHALL BE WT=2. 1/4 INCH LETTERS SHALL BE WT=4. LOWER CASE LETTERS SHALL NOT BE USED. FOUR LINE TITTLE BLOCKS SHALL BE 3/16 INCH WT=2.
- ALL WORK SHALL BE SUITABLE FOR LEGIBLE REPRODUCTION FROM HALF SIZE SECOND GENERATION REPRODUCIBLES.
- RATINGS SHALL BE SHOWN WHERE ESSENTIAL FOR OVERALL UNDERSTANDING OF THE SYSTEM.
- DIAGRAMS SHALL BE LAID OUT WITH SOURCES TOWARD THE TOP OF THE SHEET WITH POWER FLOW FROM TOP TO BOTTOM AND FROM LEFT TO RIGHT, PER ANSI Y14.5-15-1966 (R1988).
- CONTROL SCHEMATICS SHALL BE ARRANGED IN STEP BY STEP FUNCTIONAL SEQUENCE LINE A LAIDER FROM TOP TO BOTTOM WITHOUT REGARD TO PHYSICAL LOCATION, PER ANSI Y14.15-1966 (R1988).
- WIRING DIAGRAMS SHALL SHOW PHYSICAL ARRANGEMENT PER ANSI Y14.15-1966 (191988). WIRING DIAGRAM FUNCTIONS SHALL NOT BE MIXED WITH SCHEMATIC FUNCTIONS.
- STACKED FRACTIONS SHALL NOT BE USED.

NO.	DATE	APRD BY	DESCRIPTION OF REVISION
9			
8			
7			
6			
5			
4			
3			
2			
1			

NO.	DATE	APRD BY	DESCRIPTION OF REVISION
J			
H			
G			
F			
E			
D			
C			
B			
A	10-31-95	TDM	PRELIMINARY DESIGN REVIEW

DATE	10-31-95
DRAWN	J.G.
CHECKED	
ENGINEER	
PROJ MGR	

NO.	DATE	APRD BY	DESCRIPTION OF REVISION
4			

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 MASSACHUSETTS INSTITUTE OF TECHNOLOGY

LASER INTERFEROMETER  
 GRAVITATIONAL-WAVE OBSERVATORY  
 SITE NO. 1 - HANFORD, WASHINGTON

TITLE	NONE	CONTRACT NUMBER	PPI50969	PROJECT NUMBER	8094
SHEET NUMBER	WA-E-003	REVISIONS			

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