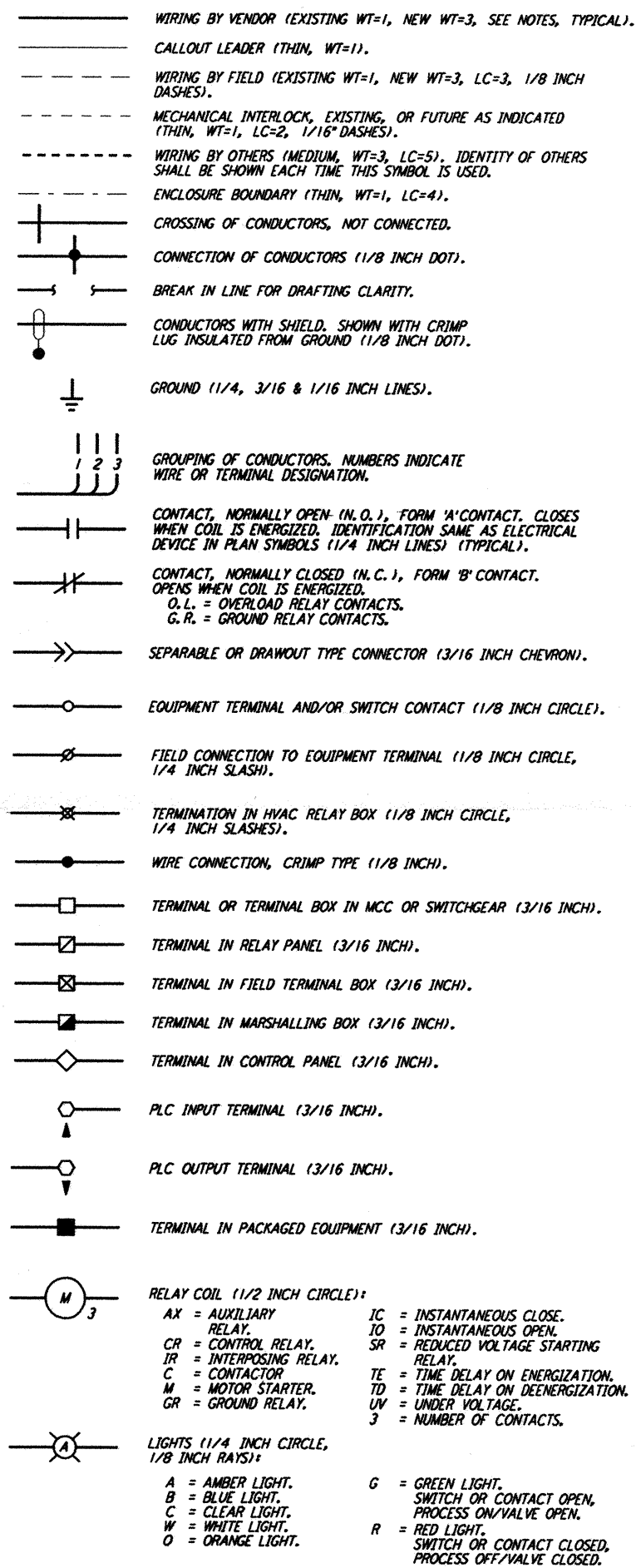


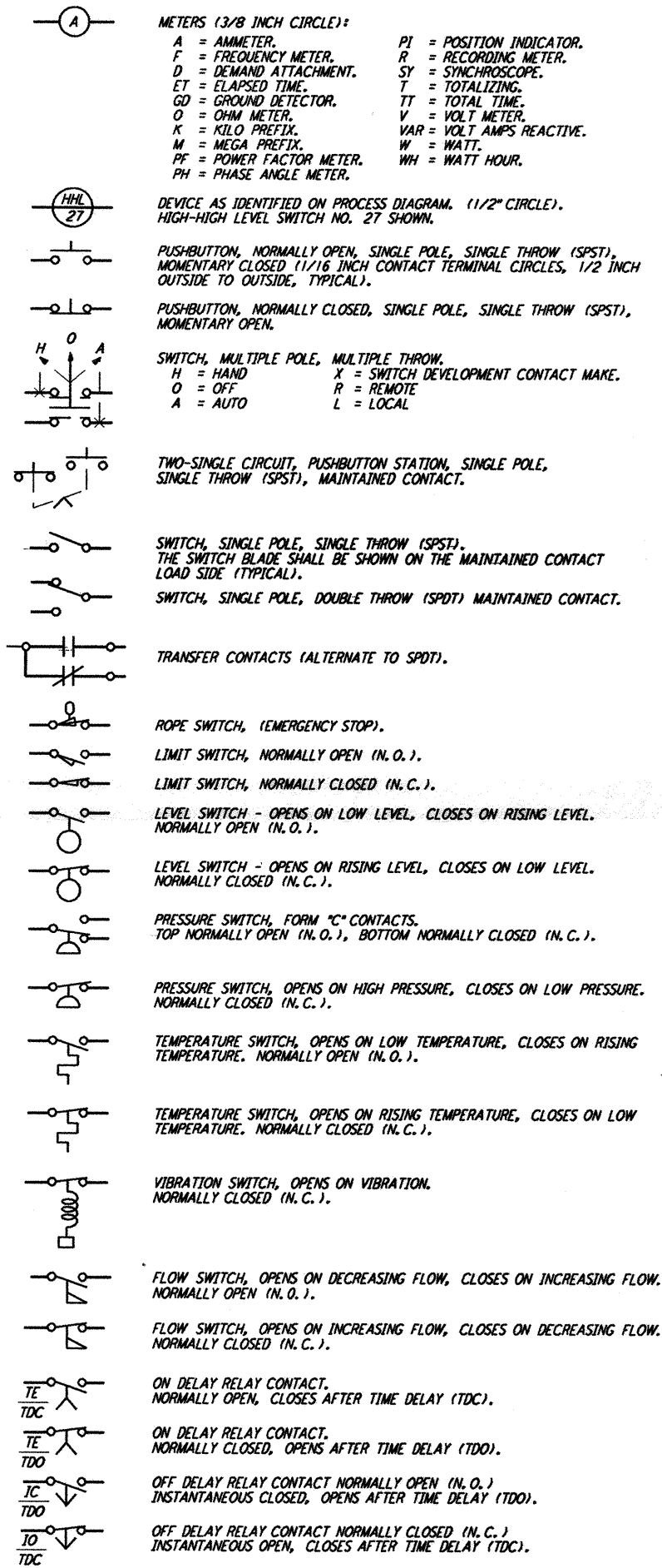
SCHEMATIC & WIRING DIAGRAM SYMBOLS



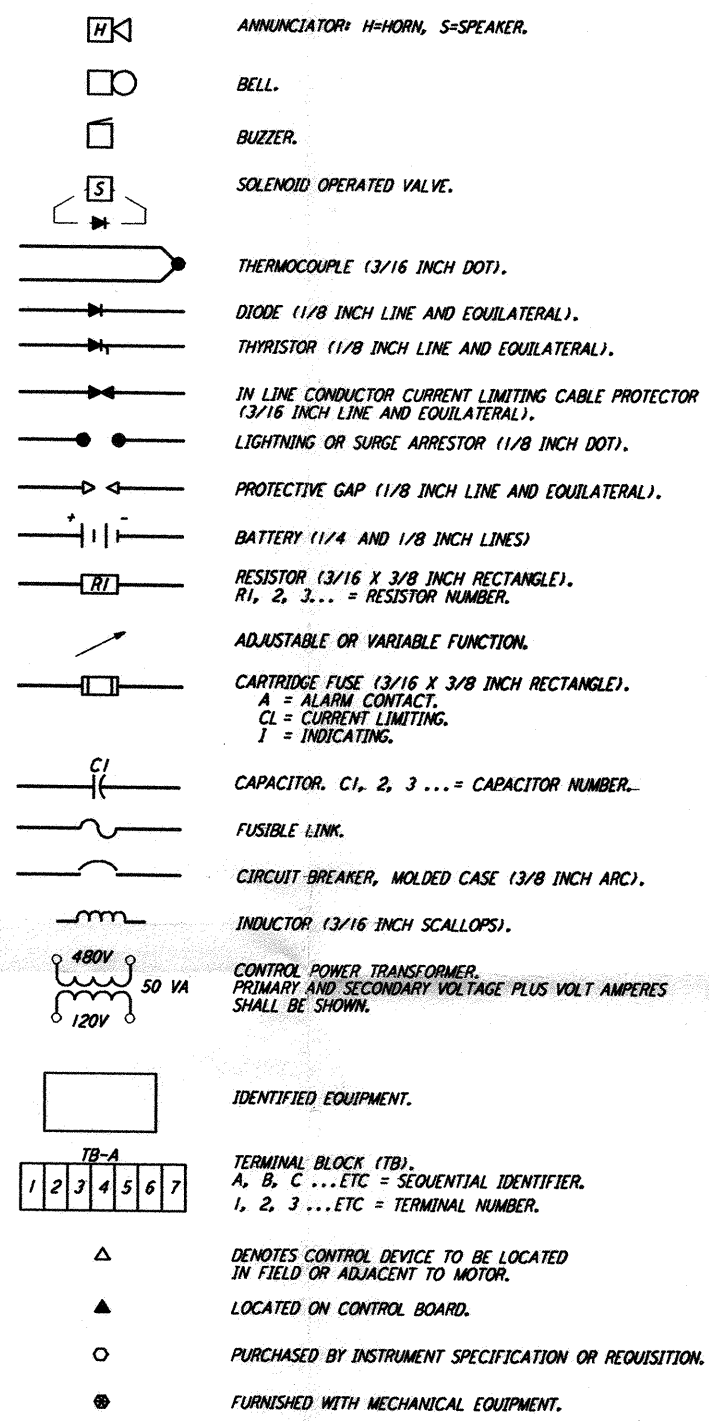
REFERENCE DRAWINGS

- LA-E-004 ONE & THREE LINE DIAGRAM SYMBOLS
- LA-E-002 STANDARD PLAN SYMBOLS
- LA-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
W	WHITE	3
BU	BLUE	4
Y	YELLOW	5
BK	BLACK	6
BR	BROWN	7
R/BK	RED/BLACK	8
BU/BK	BLUE/BLACK	9
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 (R1988) AND ANSI/ASME Y32.2-1975 (IEEE STD. 315-1975 (R1988)) 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= SYMBOLS. BUSWAY AND FEATURES, CADD LV=32.
- 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 TEXT 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 TITLE 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 Y14.3-15-1966 (R1988).
- CONTROL SCHEMATICS SHALL BE ARRANGED IN STEP BY STEP FUNCTIONAL SEQUENCE LINE A LADDER 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 (R1988). WIRING DIAGRAM FUNCTIONS SHALL NOT BE MIXED WITH SCHEMATIC FUNCTIONS.
- STACKED FRACTIONS SHALL NOT BE USED.

LIGO-D960996-A-0

9				J		DATE	10-31-95
8				H		DRAWN	J.G.
7				G		CHECKED	
6				F		ENGINEER	
5				E		PROJ. MGR	
4				D			
3				C			
2				B			
1				A			
NO.	DATE	APRD BY	DESCRIPTION OF REVISION	NO.	DATE	APRD BY	ISSUED FOR
					10-31-95	TDM	PRELIMINARY DESIGN REVIEW

PARSONS
 100 WEST WALNUT STREET
 PASADENA, CALIFORNIA

LIGO
 CALIFORNIA INSTITUTE OF TECHNOLOGY
 MASSACHUSETTS INSTITUTE OF TECHNOLOGY

LASER INTERFEROMETER
 GRAVITATIONAL-WAVE OBSERVATORY
 SITE NO. 2 - LIVINGSTON, LOUISIANA

TITLE: ELECTRICAL STANDARD SCHEMATIC & WIRING DIAGRAMS SYMBOLS

SCALE: NONE

COUNTY NUMBER: PP150969

PROJECT NUMBER: 8094

SHEET NUMBER: LA-E-003

REVISIONS:

This document and the design it covers are the property of PARSONS. They are loaned only with the borrower's expressed written agreement that they will not be reproduced, copied, loaned, exhibited, or used in any other way, except by written consent from PARSONS to the borrower.

Mon Oct 30 23:26:49 1995 s3-v18b2 J:\PLOTS\OUEUES\18B2\EE003.PRF