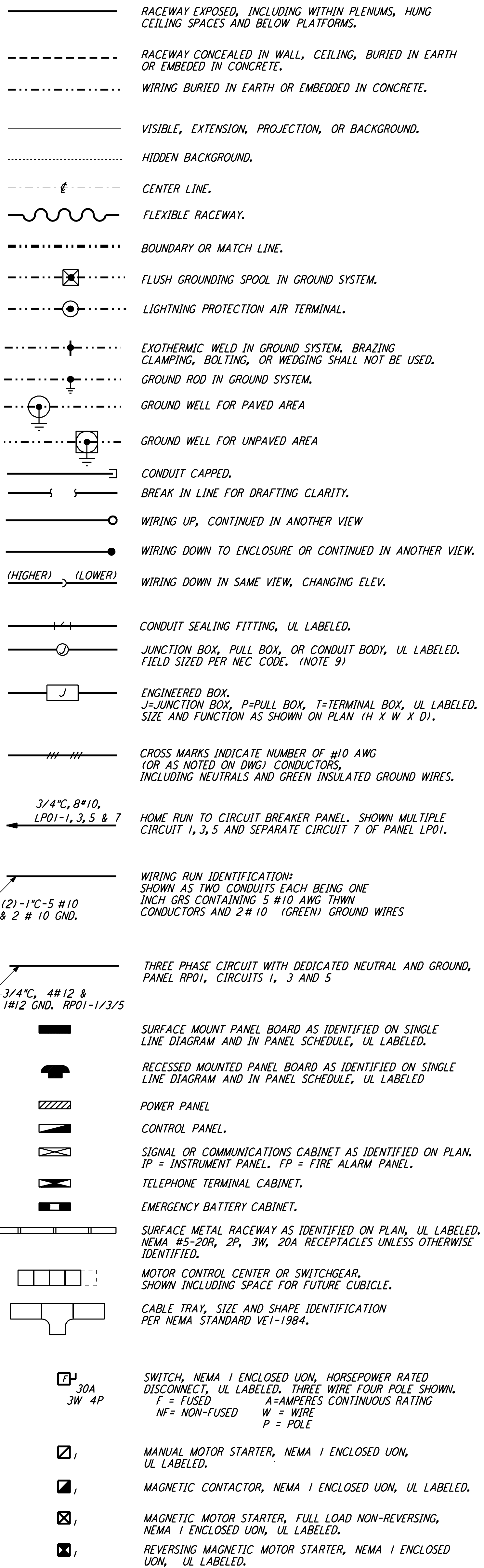
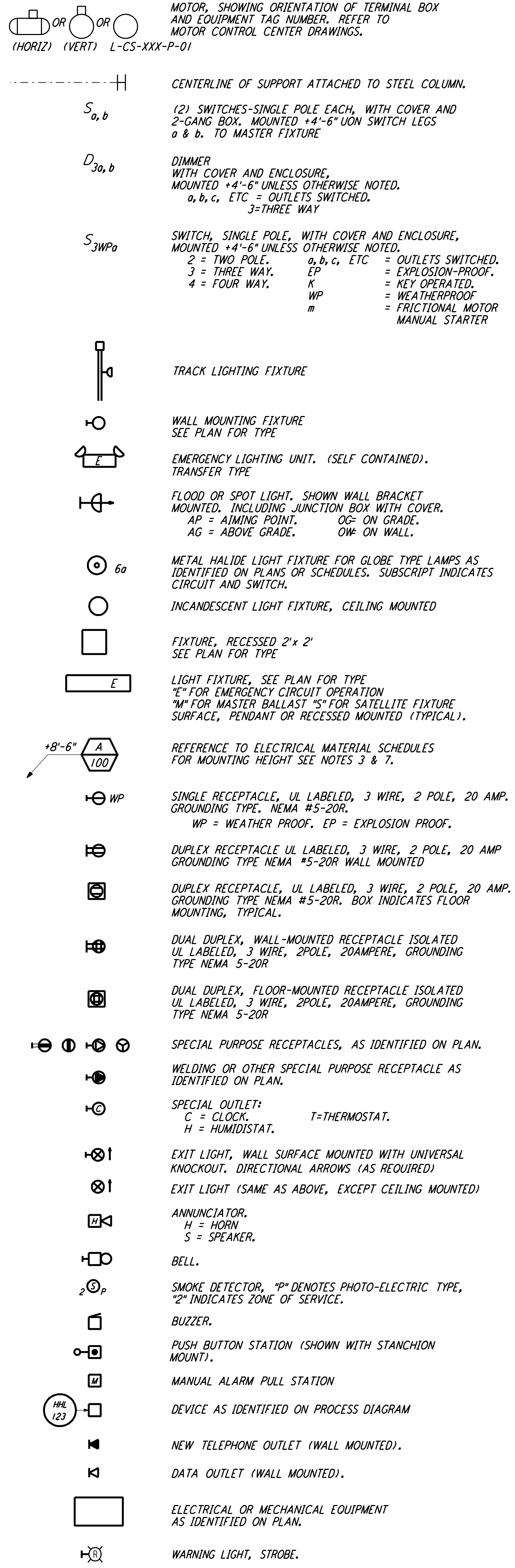


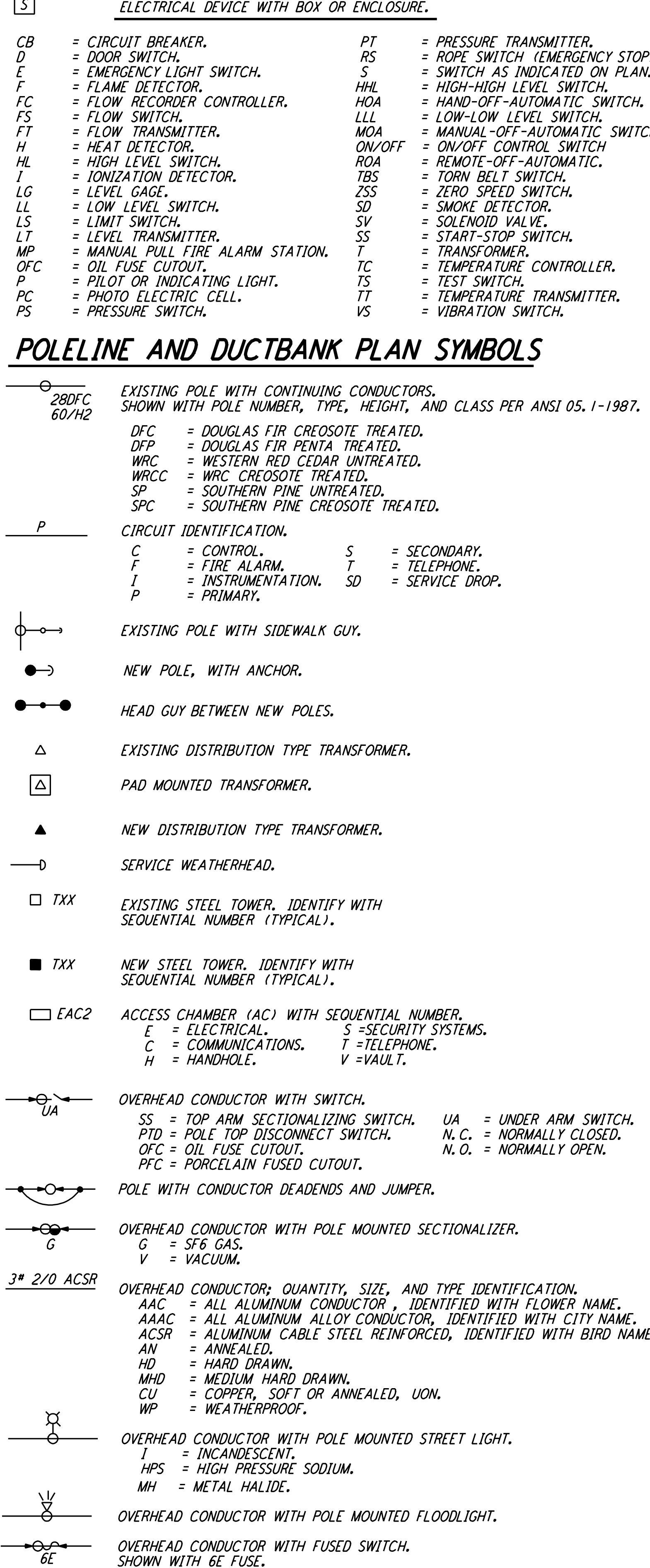
**PLAN SYMBOLS**



**PLAN SYMBOLS**



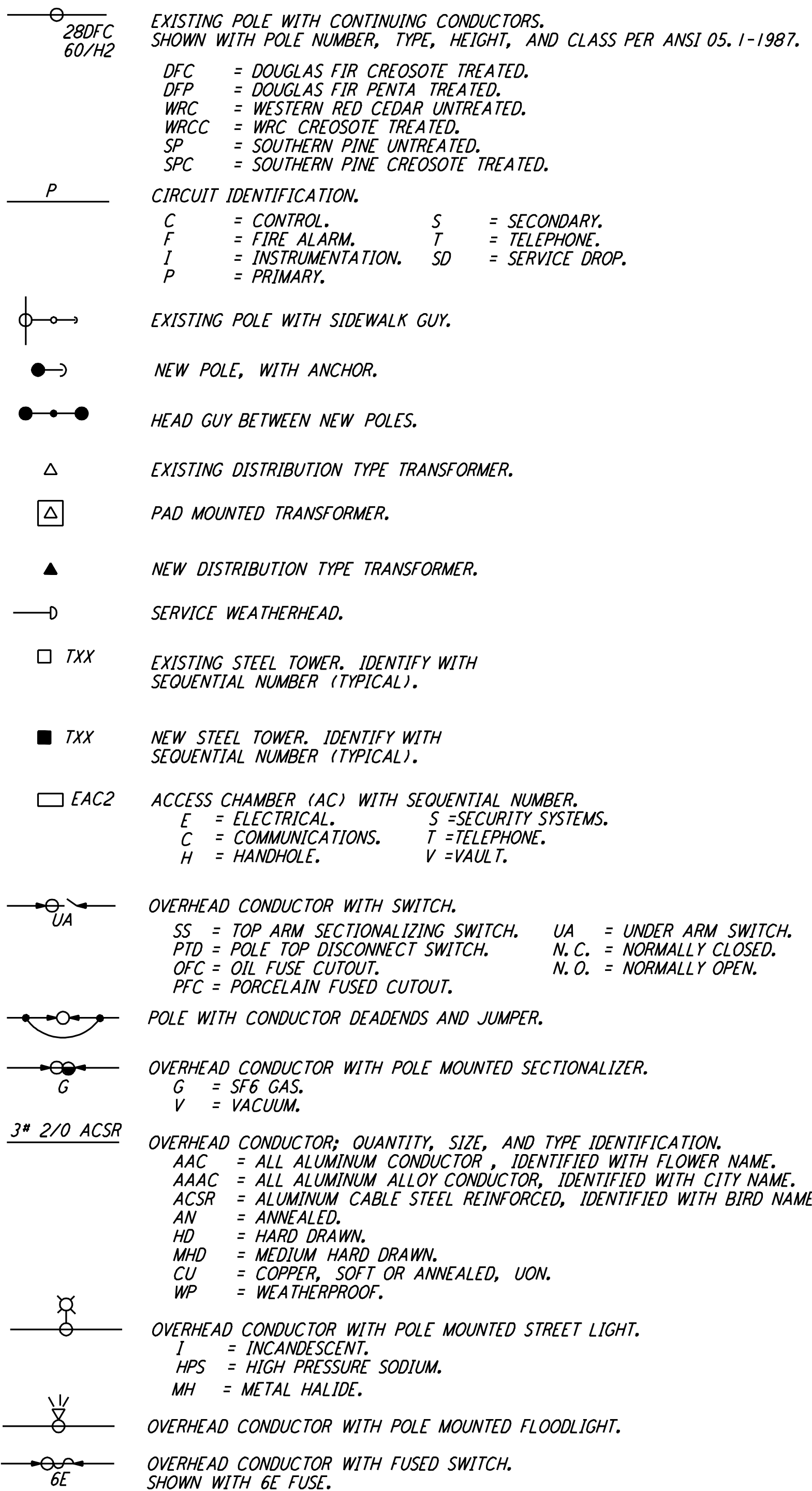
**PLAN SYMBOLS**



**NOTES:**

- APPROPRIATE BOX AND COVER SHALL BE PROVIDED WITH ALL OUTLETS, SEE SPECIFICATIONS.
- GROUND UNDERGROUND PIPING TO MAIN GROUNDING COUNTERPOISE.
- MOUNTING HEIGHT OF EQUIPMENT, UNLESS OTHERWISE NOTED, SHALL BE ABOVE FINISHED FLOOR AS FOLLOWS:  
 A. LIGHTS OVER DOORS, 1'-0" ABOVE DOOR OPENING TO BOTTOM OF FIXTURE.  
 B. LOCAL SWITCHES, 4'-6" TO CENTERLINE.  
 C. OFFICE AND CONTROL ROOM RECEPTACLES 1'-6" TO CENTERLINE.  
 D. OTHER RECEPTACLES, 3'-6" TO CENTERLINE.  
 E. LIGHTING PANELS, 6'-0" MAXIMUM TO TOP CIRCUIT BREAKER.
- EMERGENCY LIGHTING SYSTEM BRANCH CIRCUIT RACEWAY AS WELL AS FIRE ALARM AND DETECTION RACEWAY SHALL BE INDEPENDENT OF OTHER RACEWAY SYSTEMS.
- MINIMUM CONDUCTOR SIZE FOR ALL LIGHTING AND 120V CONVENIENCE RECEPTACLE CIRCUITS SHALL BE AWG #12, 600V, TYPE THW INSULATION STRANDED COPPER WIRE, UNLESS OTHERWISE NOTED. CONNECTIONS SHALL BE MADE WITH CRIMP LUGS AND CRIMP CONNECTORS. WIRE NUTS SHALL NOT BE USED.
- FLEXIBLE CONDUIT SHALL BE USED FOR RECESSED FIXTURES FROM THE JUNCTION BOX TO THE FIXTURE NOT EXCEEDING A MAXIMUM LENGTH OF 6'-0". MINIMUM LENGTH FOR FLEXIBILITY SHALL BE 3'-0".
- MOUNTING HEIGHT OF LIGHTING FIXTURES, AS INDICATED ON THE DRAWINGS, IS FROM FINISHED FLOOR, PLATFORM, OR DECK TO BOTTOM OF FIXTURE.
- MINIMUM DISTANCE BETWEEN THE TOP OF CABLE TRAY AND BOTTOM OF THE STRUCTURAL STEEL DIRECTLY ABOVE IT SHALL BE 6". WHERE TWO TRAYS CROSS EACH OTHER, THE TOP OF THE LOWER TRAY TO THE BOTTOM OF THE TRAY ABOVE SHALL BE 6" MINIMUM.
- THE CONSTRUCTOR SHALL PROVIDE CONDUIT BODIES, FITTINGS, AND SUPPORTS NOT SHOWN ON THE DRAWINGS BUT REQUIRED BY JOB CONFIGURATION OR THE NEC.

**POLELINE AND DUCTBANK PLAN SYMBOLS**



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REFERENCES	ABBREVIATIONS & ACRONYMS	SCHEMATIC & WIRING DIAGRAM SYMBOLS	ONE & THREE LINE DIAGRAM SYMBOLS
LA-E-001	ABBREVIATIONS & ACRONYMS		
LA-E-002	SCHEMATIC & WIRING DIAGRAM SYMBOLS		
LA-E-004	ONE & THREE LINE DIAGRAM SYMBOLS		

NO.	DATE	BY	CHKD	ENGR	PROJ	DESCRIPTION
1	8-7-98	JE				ISSUED FOR AS-BUILT

ISSUED FOR CONSTRUCTION		
DRAWN	M. M.	11-15-96
CHECKED	JCL	7-24-96
ENGINEER	KCR	10-25-96
PROJ	T. D. M.	11-15-96

**AS-BUILT DRAWINGS**

100 WEST WALNUT STREET  
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CALIFORNIA INSTITUTE OF TECHNOLOGY  
MASSACHUSETTS INSTITUTE OF TECHNOLOGY

**LIGO-D960995-01-0**

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

TITLE	SCALE	CONTRACT NUMBER	PROJECT NUMBER
ELECTRICAL STANDARD PLAN SYMBOLS	NONE	PP150969	8094
SHEET NUMBER	LA-E-002		REVISIONS