

# SYMBOLS & ABBREVIATIONS

## LIGHTING

- LIGHT FIXTURE TYPE - SEE LIGHTING PLANS AND FIXTURE SCHEDULE FOR FIXTURE SYMBOLS & TYPES.
- EXIT SIGN - DIRECTIONAL ARROWS AS INDICATED, SHADED SIDES ILLUMINATED
- EMERGENCY BATTERY POWER PACK WITH TWO LAMPS.
- SWITCH - SINGLE POLE SUBSCRIPTS a,b, etc., DENOTES CIRCUIT CONTROLLED
- 3 WAY SWITCH
- 4 WAY SWITCH
- SWITCH - KEY OPERATED
- SWITCH - WITH PILOT LIGHT
- DIMMER
- MOMENTARY CONTACT LOW VOLTAGE SWITCH
- RELAY - NEC CLASS II
- LOW VOLTAGE TRANSFORMER
- OCCUPANCY SENSOR
- SWITCH - OCCUPANCY SENSOR
- SWITCH - PHOTO CELL

## RECEPTACLES

- SINGLE RECEPTACLE 120V
- DUPLEX RECEPTACLE 120V
- DUPLEX RECEPTACLE 120V, MOUNTED 3" ABOVE COUNTER BACKSPLASH
- DOUBLE DUPLEX RECEPTACLE 120V
- TWIST LOCK RECEPTACLE 120V
- DUPLEX RECEPTACLE 120V, EMERGENCY CIRCUIT
- DOUBLE DUPLEX RECEPTACLE 120V, EMERGENCY CIRCUIT
- CLOCK RECEPTACLE 120V
- SPLIT WIRED RECEPTACLE, 120V, TOP SWITCHED
- COMBINATION RECEPTACLE 120/208V, 120/240V
- RECEPTACLE 208V OR 240V, SINGLE PHASE
- RECEPTACLE 208V, SINGLE PHASE (TWIST LOCK)
- RECEPTACLE 208V OR 240V, 3 PHASE
- RECEPTACLE 480V, SINGLE PHASE
- RECEPTACLE 480V, 3 PHASE
- CEILING CORD DROP, 120V, SINGLE PHASE
- CEILING CORD DROP, 120V, SINGLE PHASE, EMERGENCY CIRCUIT
- FLOOR OUTLET - POKE THROUGH (DEVICES AS INDICATED)
- UNDERFLOOR DUCT SERVICE OUTLET (DEVICES AS INDICATED)
- TELEPHONE / POWER POLE
- MULTI-OUTLET ASSEMBLY
- COMBINATION OUTLET (DEVICES AS INDICATED)
- DUPLEX RECEPTACLE SURGE PROTECTED
- DUPLEX RECEPTACLE - ISOLATED GROUND
- DUPLEX RECEPTACLE - STANDBY POWER
- DUPLEX RECEPTACLE - GROUND FAULT CIRCUIT INTERRUPTER TYPE
- BASEBOARD HEATER CONNECTION (KW INDICATED)
- CABINET HEATER CONNECTION
- UNIT HEATER CONNECTION
- DUCT HEATER CONNECTION

NOTE: ALL SUBMITTALS SHALL BE APPROVED BY THE ENGINEER OF RECORD AND THEN SUBMITTED TO THE ANACORTES BUILDING DEPARTMENT FOR REVIEW AND APPROVAL.

## EQUIPMENT

- PANEL - 208 VOLT SYSTEM
- PANEL - 480 VOLT SYSTEM
- EQUIPMENT CONNECTION, E = EMERGENCY POWER
- MOTOR CONNECTION SINGLE PHASE
- MOTOR CONNECTION 3 PHASE
- POWER BUSWAY
- TRANSFORMER
- HOT WATER TANK

## CONTROL

- FUSED SWITCH (FUSE RATING INDICATED)
- DISCONNECT SWITCH
- MOTOR STARTER - MAGNETIC
- MANUAL STARTER
- COMBINATION MOTOR STARTER DISCONNECT SWITCH
- ENCLOSED CIRCUIT BREAKER
- THERMOSTAT
- TIME CLOCK
- CONTACTOR
- RELAY - CONTROL TYPE
- PHOTOCELL CONTROL
- PUSH BUTTON CONTROL STATION
- AUTO DOOR PUSHPLATE

## CIRCUITS

- RACEWAY CONCEALED IN CEILING OR WALL. HASH MARKS INDICATE NUMBER OF WIRES. #12 AWG WIRE U.O.N. TWO WIRES IF NO HASH MARK SHOWN. LONG HASH MARK DENOTES NEUTRAL.
- INDICATES GROUND WIRE.
- INDICATES NEUTRAL CONDUCTOR SIZED AT #10.
- INDICATES ISOLATED GROUND WIRE.
- RACEWAY CONCEALED IN FLOOR OR WALL
- RACEWAY EXPOSED
- RACEWAY UP
- RACEWAY DOWN
- RACEWAY STUB-OUT WITH BUSHING
- HOME RUN TO PANEL OR LOCATION NOTED
- CIRCUIT CONTINUATION
- JUNCTION BOX
- PULL BOX
- EXISTING RACEWAY (IF HASH MARKS ARE SHOWN PULL NEW CONDUCTORS)
- LOW VOLTAGE WIRING (NEC CLASS II)
- TELEPHONE SYSTEM RACEWAY
- COMPUTER SYSTEM RACEWAY

## ELECTRIC RISER

- FUSED SWITCH
- CIRCUIT BREAKER
- DRAWOUT CIRCUIT BREAKER
- CIRCUIT BREAKER - GROUND FAULT PROTECTION
- CABLE TO BUS CONNECTION
- FUSE OR CURRENT LIMITER
- GROUND CONNECTION
- IDENTIFICATION SYMBOL FOR FEEDER SIZES
- TRANSFORMER
- WATT-HOUR METER
- AMMETER
- VOLTMETER
- TRANSFER SWITCH
- ENGINE-GENERATOR
- AVAILABLE SHORT CIRCUIT CURRENT

## DOOR BUZZER SYSTEM

- PUSH BUTTON
- BUZZER HORN
- TRANSFORMER
- BUZZER AND VISUAL INDICATOR

## FIRE ALARM SYSTEM

- MANUAL STATION
- SMOKE DETECTOR (D INDICATES INSTALLATION IN DUCT)
- HEAT DETECTOR (D INDICATES INSTALLATION IN DUCT)
- SPRINKLER VALVE POSITION MONITOR CONNECTION
- SPRINKLER FLOW SWITCH CONNECTION
- SPRINKLER PRESSURE SWITCH CONNECTION
- FIRE ALARM SPEAKER - FLUSH CEILING MOUNTED
- FIRE ALARM SPEAKER - WALL MOUNTED
- FIRE ALARM CHIME
- FIRE ALARM HORN
- VISUAL ALARM LIGHT - WALL MOUNTED
- FIRE ALARM CONTROL PANEL
- REMOTE INDICATION LIGHT
- SMOKE DOOR RELEASE MECHANISM (WALL MOUNTED MAGNETIC TYPE)
- SMOKE DOOR RELEASE MECHANISM (COMBINATION DOOR CLOSER/HOLDER TYPE)
- FIRE ALARM REMOTE ANNUNCIATOR (FARA)
- FIRE ALARM GRAPHIC ANNUNCIATOR
- SMOKE DAMPER CONNECTION
- ROLLING DOOR RELEASE MECHANISM
- FIREFIGHTER'S TELEPHONE JACK
- MONITOR POINT

## TELEPHONE & COMPUTER SYSTEMS

- TELEPHONE OUTLET
- TELEPHONE OUTLET - WALL MOUNTED
- DICTATION OUTLET
- COMPUTER OUTLET
- CABLE TRAY
- TELEPHONE TERMINAL BOARD (TTB)
- COMMUNICATION RACEWAY

## INTERCOM SYSTEMS

- MASTER STATION - (W=WALL MOUNTED)
- SLAVE STATION
- INTERCOM STATION - FLUSH CEILING MOUNTED

## SECURITY SYSTEM

- MAGNETIC DOOR SWITCH
- GLASS BREAK DETECTOR
- ENTRY/EXIT KEYPAD
- SECURITY CONTROL PANEL
- ELECTRIC STRIKE
- CARD READER
- REQUEST TO EXIT DETECTOR

## PUBLIC ADDRESS SYSTEM

- SPEAKER - FLUSH CEILING MOUNTED. NUMBER = ZONE
- SPEAKER - WALL MOUNTED AT +84" AFF.
- VOLUME CONTROLLER WALL MOUNTED AT +54" AFF. NUMBER = ZONE
- SPEAKER - MUSIC ONLY
- MICROPHONE

## MISCELLANEOUS

- GENERATOR REMOTE ALARM PANEL
- CLOSED CIRCUIT TV CAMERA

## AUDIO VIDEO

- CAMERA INPUT PANEL
- VOLUME CONTROL
- WALL MOUNTED SPEAKER
- AUDIO VIDEO WALL PANEL
- SMI AFB-701 FLUSH MOUNTED FLOOR BOX
- SPEAKER - FLUSH CEILING MOUNTED. NUMBER = ZONE
- JUNCTION BOX
- JUNCTION BOX
- EQUIPMENT RACK

## GENERAL NOTES

- COMPLY WITH NATIONAL ELECTRICAL CODE 1996 EDITION AND WAC 296-46.
- THE LOCATIONS OF ELECTRICAL DEVICES OR LIGHTING FIXTURES INDICATED ON ARCHITECTURAL PLANS ELEVATIONS OR SECTIONS TAKE PRECEDENCE OVER LOCATIONS INDICATED ON THE ELECTRICAL DRAWINGS.
- REFER TO THE ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LIGHTING FIXTURE LOCATIONS.

## WORK DEFINITION

- FLAG NOTE
- REVISION SYMBOL
- ELECTRICAL DETAIL SYMBOL
- EXISTING EQUIPMENT OR DEVICE
- REMOVE EXISTING ELECTRICAL EQUIPMENT
- EXISTING WALLS
- IDENTIFICATION SYMBOL FOR EQUIPMENT

## ABBREVIATIONS

ACH	ABOVE COUNTERTOP BACKSPLASH HEIGHT	MCC	MOTOR CONTROL CENTER
AFF	AND/OR SINK BACKSPLASH HEIGHT	MW	MICROWAVE
A, AMP	ABOVE FINISHED FLOOR	N	NEUTRAL
AG	ABOVE GRADE	NIC	NOT IN CONTRACT
ATS	AMPERE	PNL	PANEL
AWG	AUTOMATIC TRANSFER SWITCH	R	RACEWAY
CB	AMERICAN WIRE GAGE	RO	RACEWAY ONLY
CKT	CIRCUIT BREAKER	RECP	RECEPTACLE
CTB	COMMUNICATIONS TERMINAL BOARD	REF	REFRIGERATOR
C	CONDUIT	SPECS	SPECIFICATIONS
DED	DEDICATED	SW	SWITCH
DW	DISHWASHER	SWBD	SWITCHBOARD
EWC	ELECTRIC WATER COOLER	TELE	TELEPHONE
FA	FIRE ALARM	TP	TYPICAL
FBOIC	FURNISHED BY OTHERS, INSTALLED BY CONTRACTOR	UCR	UNDERCOUNTER REFRIGERATOR
G, GND	GROUND	UNON	UNLESS OTHERWISE NOTED
GD	GARBAGE DISPOSAL	V	VOLT
GF, GFCI	GROUND FAULT CIRCUIT INTERRUPTER	VP	VANDALPROOF
HP	HORSEPOWER	W	WIRE OR WATT
IH	INSTA-HOT WATER DISPENSER	WP	WEATHERPROOF
J-BOX	JUNCTION BOX	XFMR	TRANSFORMER
		Ø	PHASE

## OUTLET MOUNTING HEIGHTS

SPECIAL OUTLET HEIGHTS ARE SHOWN ON THE ELECTRICAL DRAWINGS OR ON THE ARCHITECTURAL DRAWINGS. IF SPECIAL OUTLET HEIGHTS ARE NOT SHOWN OR REQUIRED, THEN LOCATE OUTLETS AS NOTED BELOW. OUTLET HEIGHTS ARE MEASURED FROM THE FINISHED FLOOR TO THE CENTERLINE OF THE OUTLET UNLESS OTHERWISE NOTED.

ACH RECEPTACLES	+ 4 INCHES VERTICAL
LIGHT SWITCHES	+ 18 INCHES VERTICAL
	+ 4 FEET SET VERTICAL
CLOCK OUTLET	+ 6 FEET, 8 INCHES
PANELBOARDS	+ 6 FEET TO TOP OF PANEL BOARD
TELEPHONE OUTLET - DESK	+ 18 INCHES VERTICAL
TELEPHONE OUTLET - WALL	+ 54 INCHES VERTICAL
COMPUTER OUTLET - DESK	+ 18 INCHES VERTICAL
MANUAL STATION	+ 4 FEET
FIRE ALARM VISUAL ALARM LIGHT	+ 80 INCHES OR 6 INCHES BELOW CEILING WHICH EVER IS LOWER
FIRE ALARM HORN, CHIME	+ 80 INCHES OR 6 INCHES BELOW CEILING WHICH EVER IS LOWER
FIRE ALARM CONTROL PANEL	+ 6 FEET TO TOP OF PANEL

## DRAWING LIST - ELECTRICAL

E0.0	SYMBOLS AND ABBREVIATIONS
E0.1	ELECTRICAL SITE PLAN
E1.0	POWER RISER DIAGRAM
E2.1	FIRST FLOOR POWER PLAN - SOUTH
E2.2	SECOND FLOOR POWER PLAN - SOUTH
E2.3	ROOF POWER PLAN
E2.4	FIRST FLOOR MECHANICAL POWER PLAN - SOUTH
E2.5	SECOND FLOOR MECHANICAL POWER PLAN - SOUTH
E2.6	ELECTRICAL DETAILS - SHEET 1
E2.7	ELECTRICAL DETAILS - SHEET 2
E3.1	FIRST FLOOR LIGHTING PLAN - SOUTH
E3.2	SECOND FLOOR LIGHTING PLAN - SOUTH
E4.1	FIRST FLOOR COMMUNICATIONS/FIRE ALARM/ACCESS CONTROL PLAN - SOUTH
E4.2	SECOND FLOOR COMMUNICATIONS/FIRE ALARM/ACCESS CONTROL PLAN - SOUTH
E4.3	COMMUNICATIONS DETAILS - SHEET 1
E4.4	COMMUNICATIONS DETAILS - SHEET 2
E4.5	COMMUNICATIONS DETAILS - SHEET 3
E4.6	COMMUNICATIONS DETAILS - SHEET 4
E4.7	COMMUNICATIONS RISER
E4.8	ACCESS CONTROL/CCTV RISERS
AV101	VIDEO CONFERENCE ROOMS A/V INFRASTRUCTURE FLOOR PLAN
AV102	ENTRY LOBBY & BREAKOUT A/V INFRASTRUCTURE FLOOR PLAN



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SYMBOLS  
AND  
ABBREVIATIONS

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SCALE

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SEIT NUMBER

CONSTRUCTION SET



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