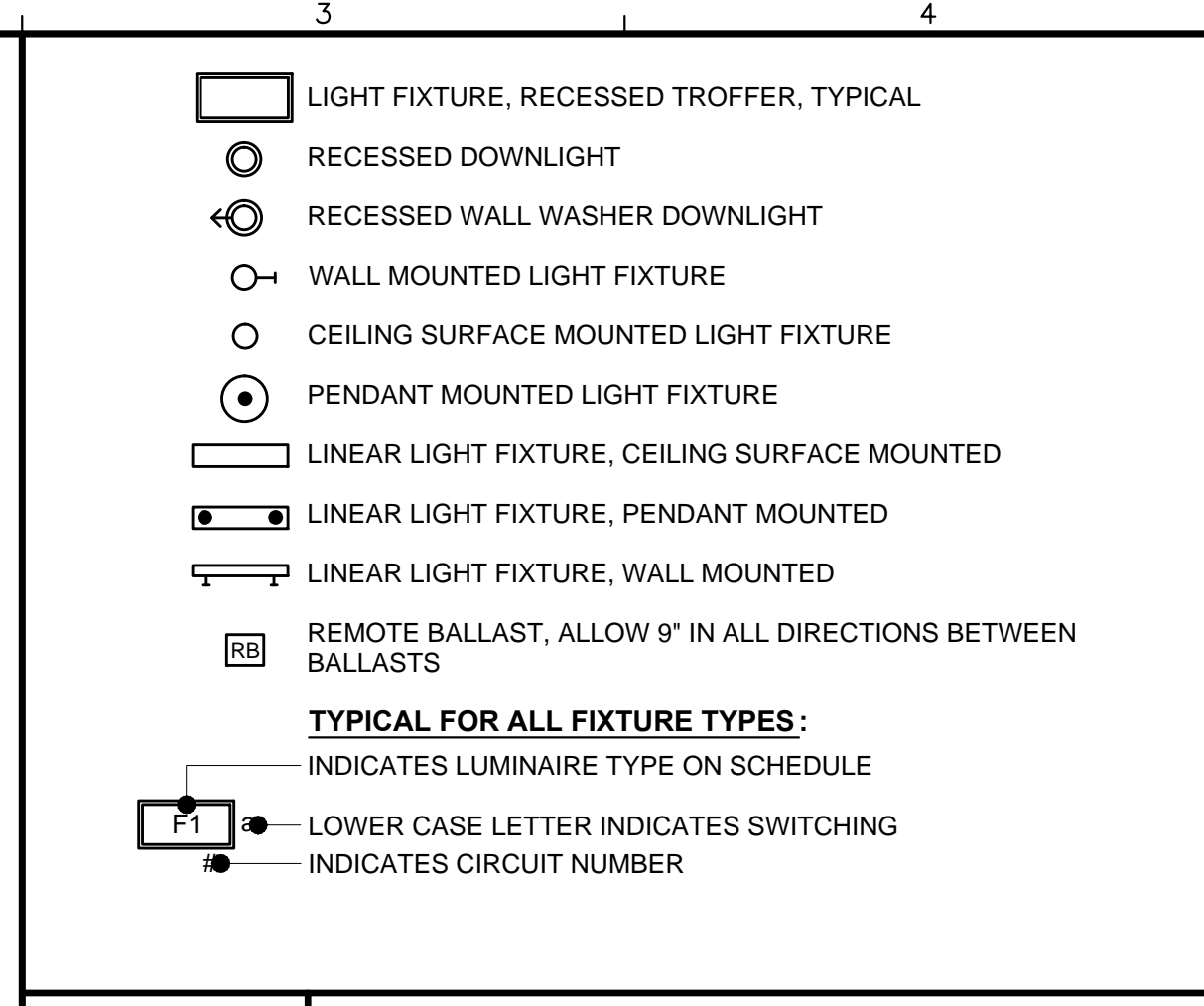


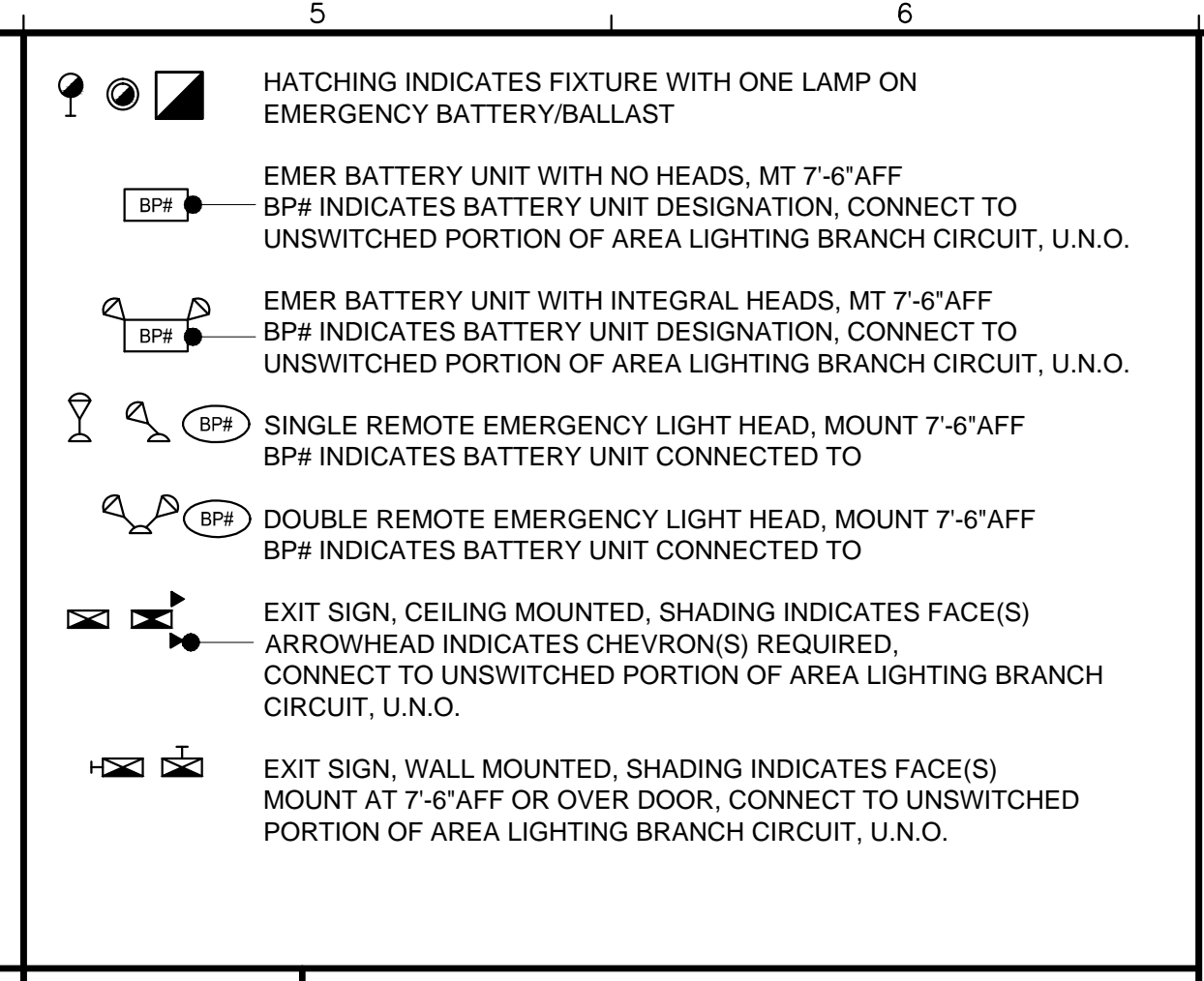
A	AMPERE	MC	MICROPHONE
AC	ALTERNATING CURRENT	MICRO	MICROWAVE
AFF	ABOVE FINISHED FLOOR	MLO	MAIN LUG ONLY MOUNT
AFG	ABOVE FINISHED GRADE	MT	MOUNT
AHU	AIR HANDLING UNIT	MTS	MANUAL TRANSFER SWITCH
AIC	AMPERES INTERRUPTING CAPACITY	MCP	MOTOR CONTROL PANEL
ATS	AUTOMATIC TRANSFER SWITCH	MH	METAL HALIDE
AWG	AMERICAN WIRE GAUGE	MDP	MAIN DISTRIBUTION PANEL
BAS	BUILDING AUTOMATION SYSTEM	MIN	MINIMUM
BKBD	BACKBOARD	N	NEUTRAL
C	CONDUIT	NC	NORMALLY CLOSED
CAT	CATALOG, CATEGORY	NEC	NATIONAL ELECTRICAL CODE
CATV	CABLE TV	NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
CB	CIRCUIT BREAKER	NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
CCTV	CLOSED CIRCUIT TELEVISION	NIC	NOT IN CONTRACT
CM	CIRCULAR MILS	NF	NON-FUSED
COMM	COMMUNICATIONS	NO	NORMALLY OPEN
CU	MECH CONDENSING UNIT	NO. #	NUMBER
CU	COPPER	NTS	NOT TO SCALE
CUH	CABINET UNIT HEATER	OC	ON CENTER
DC	DIRECT CURRENT	OCC	OCCUPANCY
DDC	DIGITAL DIRECT CONTROL	OH	OVERHEAD
DN	DOWN	P	POLE
DW	DISHWASHER	PA	PUBLIC ADDRESS
DWG	DRAWING	PH	PHASE
EF	EXHAUST FAN	PIR	PASSIVE INFRARED
ELEV	ELEVATOR	PNL	PANELBOARD
EMT	ELECTRICAL METALLIC TUBING	P/O	PART OF
EP	EXPLOSION PROOF	PV	PHOTOVOLTAIC
ERU	ENERGY RECOVERY UNIT	PVC	POLY-VINYL CHLORIDE
EWC	ELECTRIC WATER COOLER	REC	RECEPTACLE
FACP	FIRE ALARM CONTROL PANEL	REF	REFRIGERATOR RECEPT
FB	FLOOR BOX	RF	RETURN FAN
FLA	FULL LOAD AMPS	RGS	RIGID GALVANIZED STEEL
FWE	FURNISHED WITH EQUIPMENT	RM	ROOM
G, GND	GROUND	RMC	RIGID METAL CONDUIT
GFCI	GROUND FAULT CIRCUIT INTERRUPTER	RTU	ROOFTOP UNIT
GFP	GROUND FAULT PROTECTION	REF	REFRIGERATOR
HID	HIGH INTENSITY DISCHARGE	SF	SUPPLY FAN
HOA	HAND-OFF-AUTO SELECTOR SWITCH	SPDT	SINGLE POLE, DOUBLE THROW
HP	HORSEPOWER	SQ	SQUARE
HVAC	HEATING, VENTILATION AND COOLING UNIT	TEL	TELEPHONE
IDS	INTRUSION DETECTION SYSTEM	TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSOR
IG	ISOLATED GROUND	TYP	TYPICAL
IMC	INTERMEDIATE METAL CONDUIT	UF	UNDER FLOOR
IR	INFRARED	UG	UNDERGROUND
K	KILO	UH	UNIT HEATER
KCMIL	KILO CIRCULAR MILS	UL	UNDERWRITER'S LABORATORY
KW	KILOWATT	UNO	UNLESS NOTED OTHERWISE
KVA	KILO VOLT-AMPS	UPS	UNINTERRUPTIBLE POWER SUPPLY
LAN	LOCAL AREA NETWORK	V	VOLTS
LC	LIGHTING CONTACTOR	VFD	VARIABLE FREQUENCY DRIVE
LF	LINEAR FEET	W	WATT
LC	LOADCENTER	WP	WEATHERPROOF
LCP	LIGHTING CONTROL PANEL	WG	WIREGUARD
LED	LIGHT EMITTING DIODE	XFMR	TRANSFORMER
LTG	LIGHTING	(E)	EXISTING ITEM TO REMAIN
LTS	LIGHTS	(R)	REMOVE ITEM AND DISPOSE OF PROPERLY
MAX	MAXIMUM	(ER)	RELOCATED ITEM AT NEW LOCATION
MCB	MAIN CIRCUIT BREAKER	(RL)	REMOVE AND RELOCATE
MECH	MECHANICAL		
MH	MOUNTING HEIGHT		



F3	LUMINAIRES
NO SCALE	
⊕	DUPLEX RECEPTACLE - 20A, 125V, 2P, 3W, NEMA 5-20R
⊕	DOUBLE DUPLEX RECEPTACLE
⊕	DUPLEX RECEPTACLE, HATCH INDICATES CONNECTION TO XXX
⊕	GFCI DUPLEX RECEPTACLE, MOUNT 44" AFF UNO
⊕	GFCI DOUBLE DUPLEX RECEPTACLE, MOUNT 44" AFF UNO
⊕	GFCI RECEPTACLE WITH WEATHERPROOF COVER
⊕	GFCI RECEPTACLE IN WP ENCLOSURE ON ROOF
⊕	MULTI-OUTLET STRIP, PROVIDE OUTLETS 24" OC UNO, MOUNT 48" AFF UNO
<b>NOTES:</b>	
1.	MOUNT RECEPTACLES WITH CENTERLINE 18" AFF UNO
2.	MOUNT EXTERIOR RECEPTACLES WITH CENTERLINE 24" AFF UNO

F3	RECEPTACLES
NO SCALE	
⊕	CLOCK
⊕	LARGE CLOCK
⊕	SPEAKER - CEILING MOUNTED
⊕	SPEAKER - WALL MOUNTED
⊕	SPEAKER - HIGH OUTPUT - CEILING MOUNTED
⊕	LARGE SPEAKER
⊕	INTERCOM
<b>NOTE:</b> DIVISION 16 SHALL WIRE AND CONNECT 120 VOLT WIRING FOR THE CLOCKS IN EACH AREA TO CIRCUIT INDICATED. PROVIDE (2)#12+(1)#12G. PROVIDE TRANSFORMERS AS REQUIRED. LOW VOLTAGE AND SYSTEM WIRING BY DIVISION 17.	

C3	CLOCKS AND SPEAKERS (PA)
NO SCALE	
1.	BRANCH CIRCUIT WIRING NOT SHOWN. WIRE AND CONNECT ELECTRICAL ITEMS TO CIRCUITS INDICATED.
2.	DISCONNECT, REMOVE, RELOCATE, AND RECONNECT ELECTRICAL CONDUIT, WIRING, DEVICES, BOXES, FIXTURES, EQUIPMENT, ETC. AS INDICATED AND AS REQUIRED TO FACILITATE THE WORK OF DIVISION 26 AND OTHER DIVISIONS. THESE DRAWINGS ARE NOT INTENDED TO INDICATE ALL ITEMS TO BE REMOVED.
3.	DO NOT SCALE THE DRAWINGS. REFER TO ARCHITECTURAL DRAWINGS AND EXISTING CONDITIONS FOR EXACT DIMENSIONS.
4.	THE LOCATION OF EQUIPMENT, OUTLETS, ETC. AS GIVEN ON THE DRAWINGS IS APPROXIMATE. IT SHALL BE UNDERSTOOD THAT THESE LOCATIONS ARE SUBJECT TO MODIFICATION AS MAY BE FOUND NECESSARY OR DESIRABLE AT THE TIME OF INSTALLATION IN ORDER TO MEET PROJECT REQUIREMENTS. SUCH CHANGES SHALL BE MADE WITHOUT EXTRA CHARGE.
5.	COORDINATE ALL WORK WITH OTHER DIVISIONS AND THE OWNER.
6.	VERIFY EXACT POWER REQUIREMENTS OF EQUIPMENT PRIOR TO ROUGH IN
7.	POWER WIRING FOR EQUIPMENT & CONTROL SHALL BE PERFORMED BY DIVISION 26. ALL CONTROL WIRING OPERATING AT LESS THAN 120 VOLTS FOR MECHANICAL EQUIPMENT SHALL BE BY DIVISION 23.
8.	NO WIRING THAT BECOMES UNUSED AS PART OF THIS PROJECT SHALL BE ABANDONED IN PLACE.



F5	EMERGENCY LUMINAIRES
NO SCALE	
⊕	20A, 125V, 2P, 3W, NEMA 5-20R
⊕	20A, 125V, 2P, 3W, NEMA L5-20R (TWISTLOCK)
⊕	30A DRYER RECEPTACLE - 125/250V, 3P, 4W, GROUNDING, NEMA 14-30R, (3)#10+(1)#10G TO 30A, 2P CIRCUIT BREAKER
⊕	30A, 250V, 2P, 3W, NEMA 6-30R
⊕	50A RANGE RECEPTACLE - 125/250V, 3P, 4W, GROUNDING, NEMA 14-50R, (3)#6+(1)#10 TO 50A, 2P CIRCUIT BREAKER
<b>NOTE:</b>	
PROVIDE MATCHING CORD AND PLUG FOR SINGLE RECEPTACLES	

F5	SINGLE RECEPTACLES
NO SCALE	
<b>NOTE</b>	
SYMBOLS AND ABBREVIATIONS SHOWN ON THIS SHEET ARE FOR REFERENCE ONLY AND DO NOT NECESSARILY INDICATE THEIR INCORPORATION INTO THE DESIGN	
LSE	LOCAL SOUND EQUIPMENT
MIC	MICROPHONE JACK OUTLET
LS	LOCAL SOUND SYSTEM LARGE SPEAKER
LS	LOCAL SOUND SYSTEM SPEAKER

C5	LOCAL SOUND SYSTEM
NO SCALE	
SEC	SECURITY PANEL, MOUNT WITH TOP OF PANEL NOT MORE THAN 72" AFF
ANN	ANNUNCIATOR, MOUNT WITH TOP OF PANEL NOT MORE THAN 72" AFF
KP	KEYPAD, MOUNT 48" AFF
MSP	MOTION SENSOR, PASSIVE INFRARED (PIR), WALL MOUNTED 96" AFF
MSF	MOTION SENSOR, PASSIVE INFRARED (PIR), CEILING MOUNTED
MSM	MOTION SENSOR, MICROWAVE, WALL MOUNTED
MSM	MOTION SENSOR, MICROWAVE, CEILING MOUNTED
MS	MOTION SENSOR, DUAL TECHNOLOGY, PIR/MICROWAVE, WALL MOUNTED
MS	MOTION SENSOR, DUAL TECHNOLOGY, PIR/MICROWAVE, CEILING MOUNTED
CA	CAMERA
CA	CARD ACCESS
DC	DOOR CONTACT
DL	MAGNETIC DOOR LOCK
DR	DOOR RELEASE BUTTON
DS	DOOR SWITCH
CB	BELL
CH	CHIME
SS	STROBE
SH	HORN
T	TRANSFORMER

D7	FIRE ALARM SYSTEM
NO SCALE	
FACP	FIRE ALARM CONTROL PANEL, MOUNT WITH TOP OF PANEL NOT MORE THAN 72" AFF
FAA	FIRE ALARM ANNUNCIATOR, MOUNT WITH TOP OF PANEL NOT MORE THAN 72" AFF
SD	SMOKE DETECTOR
E	SMOKE DETECTOR, "E" INDICATES CONNECTION FOR ELEVATOR RECALL
SS	SINGLE STATION SMOKE DETECTOR WITH AUDIBLE INDICATING APPLIANCE, MOUNT ON WALL
SS	SINGLE STATION SMOKE DETECTOR WITH AUDIBLE/VISUAL INDICATING APPLIANCE
H	HEAT DETECTOR
E	HEAT DETECTOR, "E" INDICATES CONNECTION FOR ELEVATOR RECALL
SD	DUCT SMOKE DETECTOR
SD	GAS VALVE
SD	FLAME DETECTOR, ARROW INDICATES DIRECTION OF COVERAGE
RTS	REMOTE TEST/INDICATOR FOR DUCT SMOKES, MOUNT ON CEILING BENEATH UNIT, OR WALL MOUNT WHERE INDICATED ON PLANS
PT	MANUAL PULL STATION, MOUNT 48" AFF
30	HORN/STROBE NOTIFICATION APPLIANCE, CANDELA AS NOTED ON PLANS
30	SPEAKER/STROBE NOTIFICATION APPLIANCE, CANDELA AS NOTED ON PLANS
15	STROBE ONLY NOTIFICATION APPLIANCE, CANDELA AS NOTED ON PLANS
R	STROBE NOTIFICATION APPLIANCE, 15 CANDELA, 120V, CONNECT TO OPERATE UPON ACTIVATION OF ROOM SMOKE DETECTOR
30	MINI HORN NOTIFICATION APPLIANCE
30	HORN/STROBE WITH PULL STATION DIRECTLY BELOW
⊕	MAGNETIC DOOR HOLD OPEN DEVICE
T	TRANSFORMER
⊕	SPRINKLER SYSTEM WATER FLOW SWITCH, PROVIDED UNDER DIVISION 23, WIRED UNDER DIVISION 26
⊕	SPRINKLER SYSTEM TAMPER SWITCH, PROVIDED UNDER DIVISION 23, WIRED UNDER DIVISION 26
⊕	SPRINKLER SYSTEM CHECK VALVE PRESSURE SWITCH, FURNISHED AND INSTALLED UNDER DIVISION 23, WIRED UNDER DIVISION 26
⊕	SPRINKLER SYSTEM EXCESS PRESSURE PUMP, FURNISHED AND INSTALLED UNDER DIVISION 23, WIRED UNDER DIVISION 26
KB	KNOX BOX, PROVIDE IN ACCORDANCE WITH LOCAL FIRE DEPARTMENT REQUIREMENTS
SD	SMOKE DAMPER
FSD	FIRE AND SMOKE DAMPER

A7	LIGHT SWITCHES
NO SCALE	
\$	LIGHT SWITCH, 20A, 125/277V
\$	THREE-WAY LIGHT SWITCH
\$	FOUR-WAY LIGHT SWITCH
\$	TWO-POLE SWITCH
\$	KEY OPERATED SWITCH
\$	MOTOR RATED SWITCH
\$	SINGLE POLE SWITCH WITH RED PILOT LIGHT - RED LIGHT SHALL GLOW WHEN CIRCUIT IS ENERGIZED
\$	MULTI-GANGED SWITCHES, GANG UNDER ONE PLATE, LETTER INDICATES SWITCHING
\$	OCCUPANCY SENSOR SWITCH, WALL MOUNTED
\$	2-BUTTON OCCUPANCY SENSOR SWITCH
OS	OCCUPANCY SENSOR, CEILING MOUNTED
OS	OCCUPANCY SENSOR, WALL MOUNTED
\$	DIMMER SWITCH - COORDINATE DIMMING TECHNOLOGY WITH LOAD TO BE DIMMED
\$	HANDICAP SWITCHES FOR HOOD LIGHT AND FAN
\$	TIMER SWITCH, 60 MINUTES
\$	LOW VOLTAGE LIGHT SWITCH, MOMENTARY CONTACT
LTC	LIGHTING TIME CLOCK
LC	LIGHTING CONTACTOR
LCP	LIGHTING CONTROL PANEL
PC	PHOTOCELL
<b>NOTES:</b>	
1.	MOUNT LIGHT SWITCHES WITH CENTERLINE 48" AFF, UNO
2.	LOWER CASE LETTER AT SWITCH INDICATES SWITCHING

D9	POWER DISTRIBUTION
NO SCALE	
⊕	PANELBOARD - SURFACE MOUNTED
⊕	PANELBOARD - FLUSH MOUNTED
⊕	FUSED DISCONNECT SWITCH
⊕	NON-FUSED DISCONNECT SWITCH
00	MOTOR STARTER - NUMBER INDICATES NEMA SIZE
00	COMBINATION MOTOR STARTER/FUSED DISCONNECT
	MOTOR OR FAN
⊕	METER AND CABLET
⊕	JUNCTION BOX - CEILING MOUNTED
⊕	JUNCTION BOX - WALL MOUNTED
⊕	JUNCTION BOX - FLOOR MOUNTED
⊕	JUNCTION BOX - PEDESTAL MOUNTED
⊕	TRANSFORMER - NUMBER INDICATES DESIGNATION SEE TRANSFORMER SCHEDULE
⊕	VARIABLE FREQUENCY DRIVE
VFD	TRANSIENT VOLTAGE SURGE SUPPRESSOR
TVSS	EMERGENCY SHUTOFF SWITCH - WALL MOUNTED 48" TO CENTERLINE - PROVIDE TAMPER-PROOF COVER
⊕	CONDUIT TURNING UP
⊕	CONDUIT TURNING DOWN
⊕	WIRING UNDERGROUND OR UNDERSLAB
⊕	HOMERUN - (2)#12+(1)#12G UNO (EXCEPT LIGHTING CIRCUITS: (1)#12+(1)#10N+(1)#12G UNO)
⊕	SINGLE-PHASE HOMERUN OR MULTIPLE HOMERUN UTILIZING THE SAME CONDUIT
⊕	3-PHASE HOMERUN OR MULTIPLE HOMERUN UTILIZING THE SAME CONDUIT
⊕	FLEXIBLE CONNECTION
⊕	GROUNDING SYSTEM
⊕	POWER POLE
⊕	PUSHBUTTON
⊕	DOORBELL CHIME
⊕	SYSTEMS FURNITURE WHIP
⊕	MOTORIZED DOOR OPERATOR AND PUSH PADDLE - FURNISHED BY DIVISION 08, WIRED BY DIVISION 26
⊕	ENCLOSED CIRCUIT BREAKER

A9	FLOOR AND CEILING DEVICES
NO SCALE	
F	DUPLEX RECEPTACLE, 20A, 125V, 2P, 3W, NEMA 5-20R, MOUNT IN FLUSH FLOOR BOX
F	DOUBLE DUPLEX RECEPTACLE, 20A, 125V, 2P, 3W, NEMA 5-20R, MOUNT IN FLUSH FLOOR BOX
F	JUNCTION BOX, MOUNT IN FLUSH FLOOR BOX
F	EMPTY FLUSH FLOOR BOX
P	DUPLEX RECEPTACLE, PEDESTAL MOUNTED
P	SINGLE RECEPTACLE, PEDESTAL MOUNTED
P	JUNCTION BOX, PEDESTAL MOUNTED
C	DUPLEX RECEPTACLE, FLUSH MOUNTED IN CEILING
C	DOUBLE DUPLEX RECEPTACLE, FLUSH MOUNTED IN CEILING
C	DUPLEX GFCI RECEPTACLE, FLUSH MOUNTED IN CEILING
C	DOUBLE DUPLEX GFCI RECEPTACLE, FLUSH MOUNTED IN CEILING
C	DATA OUTLET, FLUSH MOUNTED IN CEILING, SEE SCHEDULE FOR TYPE
C	JUNCTION BOX, FLUSH MOUNTED IN CEILING
⊕	OVERHEAD RECEPTACLE DROP, DUPLEX
⊕	OVERHEAD RECEPTACLE DROP, DOUBLE DUPLEX
⊕	OVERHEAD RECEPTACLE DROP, GFCI

A1	ABBREVIATIONS
NO SCALE	

A3	GENERAL NOTES
NO SCALE	

A5	SECURITY SYSTEM
NO SCALE	

A7	LIGHT SWITCHES
NO SCALE	

A9	FLOOR AND CEILING DEVICES
NO SCALE	

**ELECTRICAL LEGENDS, ABBREVIATIONS AND GENERAL NOTES**

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