- C — CLOCK
- LC — LARGE CLOCK
- S — SPEAKER ~ CEILING MOUNTED
- S — SPEAKER ~ WALL MOUNTED
- CS — SPEAKER ~ HIGH OUTPUT ~ CEILING MOUNTED
- SS — LARGE SPEAKER
- IC — INTERCOM
- V — VOLUME CONTROL

F1 CLOCKS AND SPEAKERS
NO SCALE

AFF	ABOVE FINISHED FLOOR	TEL	TELEPHONE
AFG	ABOVE FINISHED GRADE	TP	TAMPERPROOF
BAS	BUILDING AUTOMATION SYSTEM	UNO	UNLESS NOTED OTHERWISE
BKBD	BACKBOARD	WP	WEATHERPROOF
CATV	CABLE TV	WG	WIREGUARD
CB	CIRCUIT BREAKER	XFMR	TRANSFORMER
DN	DOWN	(E)	EXISTING ITEM TO REMAIN
FWE	FURNISHED WITH EQUIPMENT	(R)	REMOVE ITEM AND DISPOSE OF PROPERLY
P/O	PART OF	(ER)	RELOCATED ITEM AT NEW LOCATION
LC	LOADCENTER	(RL)	REMOVE AND RELOCATE
MICRO	MICROWAVE		
MT	MOUNT		
NEC	NATIONAL ELECTRICAL CODE		
NF	NON-FUSED		
REF	REFRIGERATOR		

D1 ABBREVIATIONS
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
- MSP — 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
- C — CAMERA
- CA — CARD ACCESS
- DC — DOOR CONTACT
- DL — MAGNETIC DOOR LOCK
- DR — DOOR RELEASE BUTTON
- DS — DOOR SWITCH
- B — BELL
- C — CHIME
- SS — STROBE
- SH — HORN
- T — TRANSFORMER

A1 SECURITY SYSTEM
NO SCALE

- 20A, 125V, 2P, 3W, NEMA 5-20R
- SPECIAL RECEPTACLE
- 20A, 125V, 2P, 3W, NEMA L5-20R (TWISTLOCK)
- 30A DRYER RECEPTACLE~250V,2P,3W, GROUNDING, NEMA 14-30R, (3)#10+(1)#10G TO 30A,2P CIRCUIT BREAKER
- 30A, 250V, 2P, 3W, NEMA 6-30R
- 50A RANGE RECEPTACLE~250V,2P,3W, NEMA 14-50R, (3)#8+(1)#10 TO 40A,2P CIRCUIT BREAKER

NOTE:

PROVIDE MATCHING CORD AND PLUG FOR SINGLE RECEPTACLES

F3 SINGLE RECEPTACLES
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
- WP — GFCI RECEPTACLE WITH WEATHERPROOF COVER
- WP — GFCI RECEPTACLE IN WP ENCLOSURE ON ROOF
- MULTI-OUTLET STRIP, PROVIDE OUTLETS 24" OC UNO,MOUNT 48" AFF UNO

NOTES:

1. MOUNT RECEPTACLES WITH CENTERLINE 18" AFF UNO
2. MOUNT EXTERIOR RECEPTACLES WITH CENTERLINE 24" AFG UNO

D3 RECEPTACLES
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 J — JUNCTION BOX, MOUNT IN FLUSH FLOOR BOX
- F E — EMPTY FLUSH FLOOR BOX
- P — DUPLEX RECEPTACLE, PEDESTAL MOUNTED
- P — SINGLE RECEPTACLE, PEDESTAL MOUNTED
- P J — 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 J — JUNCTION BOX, FLUSH MOUNTED IN CEILING
- OVERHEAD RECEPTACLE DROP, DUPLEX
- OVERHEAD RECEPTACLE DROP, DOUBLE DUPLEX
- OVERHEAD RECEPTACLE DROP, GFCI

A3 FLOOR AND CEILING DEVICES
NO SCALE

- F1 — LIGHT FIXTURE, RECESSED TROFFER, TYPICAL
  a — INDICATES LIGHT FIXTURE TYPE ON LUMINAIRE SCHEDULE
  # — LOWER CASE LETTER INDICATES SWITCHING, TYPICAL
  NUMBER INDICATES CIRCUITING, TYPICAL
- RECESSED DOWNLIGHT
- RECESSED WALL WASHER DOWNLIGHT
- WALL MOUNTED LIGHT FIXTURE
- CEILING SURFACE MOUNTED LIGHT FIXTURE
- PARKING LOT POLE LIGHT
- FLAG POLE LIGHT
- STEP LIGHT
- SURFACE MOUNTED LIGHT FIXTURE

F5 LUMINAIRES
NO SCALE

- HATCHING INDICATES FIXTURE WITH ONE LAMP ON EMERGENCY BATTERY/BALLAST
- BP# / # — EMER BATTERY UNIT WITH NO HEADS, MT 7'-6"AFF
  BP# INDICATES BATTERY UNIT DESIGNATION
  NUMBER INDICATES CIRCUITING
- BP# / # — EMER BATTERY UNIT WITH INTEGRAL HEADS, MT 7'-6" AFF
  BP# INDICATES BATTERY UNIT DESIGNATION
  NUMBER INDICATES CIRCUITING
- BP# — SINGLE REMOTE EMERGENCY LIGHT HEAD, MOUNT 7'-6" AFF, BP# INDICATES BATTERY UNIT CONNECTED TO
- BP# — DOUBLE REMOTE EMERGENCY LIGHT HEAD, MOUNT 7'-6" AFF, BP# INDICATES BATTERY UNIT CONNECTED TO
- BP# — DOUBLE REMOTE EMERGENCY LIGHT HEAD, CEILING MOUNTED, BP# INDICATES BATTERY UNIT CONNECTED TO
- BP# — EXIT SIGN, CEILING MOUNTED, SHADING INDICATES FACE(S), ARROWHEAD INDICATES CHEVRON(S) REQUIRED, BP# INDICATES BATTERY UNIT CONNECTED TO
- BP# — EXIT SIGN, SELF-POWERED, WALL MOUNTED, SHADING INDICATES FACE(S), MOUNT AT 7'-6" AFF OR OVER DOOR, BP# INDICATES BATTERY UNIT CONNECTED TO
- # — EXIT SIGN, SELF-POWERED, CEILING MOUNTED, SHADING INDICATES FACE(S), ARROWHEAD INDICATES CHEVRON(S) REQUIRED, NUMBER INDICATES CIRCUIT NUMBER, TYPICAL
- # — EXIT SIGN, SELF-POWERED, WALL MOUNTED, SHADING INDICATES FACE(S), MOUNT AT 7'-6" AFF OR OVER DOOR, NUMBER INDICATES CIRCUIT NUMBER, TYPICAL

D5 EMERGENCY LUMINAIRES
NO SCALE

- $a — LIGHT SWITCH, 20A,125/277V
- $3 — THREE-WAY LIGHT SWITCH
- $4 — FOUR-WAY LIGHT SWITCH
- $2 — TWO-POLE SWITCH
- $K — KEY OPERATED SWITCH
- $M — MOTOR RATED SWITCH
- $P — SINGLE POLE SWITCH WITH RED PILOT LIGHT ~ RED LIGHT SHALL GLOW WHEN CIRCUIT IS ENERGIZED
- $a $b — MULTI-GANGED SWITCHES, GANG UNDER ONE PLATE, LETTER INDICATES SWITCHING
- $OS — OCCUPANCY SENSOR SWITCH, WALL MOUNTED
- $OS2 — 2-BUTTON OCCUPANCY SENSOR SWITCH
- OS — OCCUPANCY SENSOR, CEILING MOUNTED
- OS — OCCUPANCY SENSOR, WALL MOUNTED
- $D — 0-10V DIMMER SWITCH
- $LV — LOW VOLTAGE LIGHT SWITCH, MOMENTARY CONTACT
- LTC — LIGHTING TIME CLOCK
- LC — LIGHTING CONTACTOR
- LCP — LIGHTING CONTROL PANEL
- PC — PHOTOCELL
- RMI — REMOTE MICRO INVERTER FOR EGRESS LIGHT

NOTES:

1. MOUNT LIGHT SWITCHES WITH CENTERLINE 48" AFF, UNO
2. LOWER CASE LETTER AT SWITCH INDICATES SWITCHING

A5 LIGHT SWITCHES
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
- S — PHOTOELECTRIC SMOKE DETECTOR LISTED FOR USE WITH EXISTING SILENT KNIGHT PANEL
- H — HEAT DETECTOR
- D — DUCT SMOKE DETECTOR
- F — 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
- F — MANUAL PULL STATION, MOUNT 48" AFF
- 30 F — HORN/STROBE NOTIFICATION APPLIANCE, CANDELA AS NOTED ON PLANS
- 30 S — 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
- M — MINI HORN NOTIFICATION APPLIANCE
- 30 F — HORN/STROBE WITH PULL STATION DIRECTLY BELOW
- DH — MAGNETIC DOOR HOLD OPEN DEVICE
- T — TRANSFORMER
- F — SPRINKLER SYSTEM WATER FLOW SWITCH, PROVIDED UNDER DIVISION 23, WIRED UNDER DIVISION 26
- T — 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
- P — SPRINKLER SYSTEM EXCESS PRESSURE PUMP, FURNISHED AND INSTALLED UNDER DIVISION 23, WIRED UNDER DIVISION 26
- K — KNOX BOX, PROVIDE IN ACCORDANCE WITH LOCAL FIRE DEPARTMENT REQUIREMENTS
- SD — SMOKE DAMPER
- FSD — FIRE AND SMOKE DAMPER

A7 TECHNOLOGY
NO SCALE

- WALL TO BE DEMOLISHED

C7 MISCELLANEOUS
NO SCALE

- TEL/DATA OUTLET WITH (2) CAT 6 CABLES, 18" AFF UNO
- WA — WIRELESS ACCESS POINT CEILING MOUNTED, PROVIDE JUNCTION BOX WITH (1) CAT 6 CABLE ABOVE CEILING
- TV — CABLE TELEVISION OUTLET WITH COAXIAL CABLE

1. PROVIDE SINGLE GANG BOX AND 3/4" CONDUIT TO NEAREST ACCESSIBLE CEILING. PROVIDE CABLING FOR EACH OUTLET. DEVICES, COVER PLATES AND TERMINATIONS TO BE BY OWNER. PROVIDE 10' OF SLACK AT EACH FOR CONNECTIONS.
2. IN AREAS WITHOUT CEILINGS, CONDUIT PROVIDED TO NEAREST ACCESSIBLE CORRIDOR CEILING ~ 1" CONDUIT TO SINGLE GANG BOXES, 1 1/4" CONDUIT TO DOUBLE GANG BOXES.

D7 FIRE ALARM SYSTEM
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
- M — METER AND CABINET
- J — JUNCTION BOX ~ CEILING MOUNTED
- J — JUNCTION BOX ~ WALL MOUNTED
- J — JUNCTION BOX ~ FLOOR MOUNTED
- J — JUNCTION BOX ~ PEDESTAL MOUNTED
- T# — TRANSFORMER ~ NUMBER INDICATES DESIGNATION SEE TRANSFORMER SCHEDULE
- VFD — VARIABLE FREQUENCY DRIVE
- TVSS — TRANSIENT VOLTAGE SURGE SUPPRESSOR
- E — 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 COMPUTER AND 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
- L~20A,1P — INDICATES 20A,1P LOCKING CIRCUIT BREAKER
- FLEXIBLE CONNECTION
- GROUNDING SYSTEM
- P — POWER POLE
- PUSHBUTTON

D9 POWER DISTRIBUTION
NO SCALE

NOTE

SYMBOLS AND ABBREVIATIONS SHOWN ON THIS SHEET ARE FOR REFERENCE ONLY AND DO NOT INDICATE THEIR INCORPORATION INTO THE DESIGN

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. ALL ELECTRICAL DEVICES, WHEN INSTALLED, SHALL BE PROTECTED FROM DAMAGE DURING CONSTRUCTION. COVER PLATES SHALL BE INSTALLED AFTER FINISH MATERIALS HAVE BEEN APPLIED.
6. COORDINATE ALL WORK WITH OTHER DIVISIONS AND THE OWNER.
7. VERIFY EXACT POWER REQUIREMENTS OF EQUIPMENT PRIOR TO ROUGH IN.
8. 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 .

A9 GENERAL NOTES
NO SCALE

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