GENERAL NOTES

1. NOT ALL SYMBOLS INDICATED IN THE LEGEND APPEAR ON THE DRAWINGS. COORDINATE WORK ACCORDINGLY. COMPLY WITH SPECIFICATIONS AND NOTES BELOW AS APPLICABLE.

2. ALL RECEPTACLES SHALL BE INSTALLED 18" AFF TO CENTERLINE OF BOX UNLESS NOTED OTHERWISE.

3. PROVIDE PANELBOARDS AS MANUFACTURED BY SQUARE D, GENERAL ELECTRIC, SIEMENS, CUTLER HAMMER OR APPROVED EQUAL.

4. ALL WIRING SHALL BE COPPER UNLESS DESIGNATED AS "AL". UNLESS OTHERWISE NOTED ALL WIRING SHALL BE 2*12 AWG. AND 1*12 EQUIPMENT GROUNDING CONDUCTOR. HOMERUNS FED FROM A 20A-1P, 120V CIRCUIT IN EXCESS OF 70' SHALL BE *10 AWG.

5. CONNECT BATTERY BACKED EMERGENCY AND EXIT LIGHTING TO NEAREST LIGHTING CIRCUIT AHEAD OF ANY SWITCHING. CONNECT REMOTE HEADS WITH *10 AWG. COPPER CONDUCTORS. AC EXIT FIXTURES SHALL BE CONNECTED TO NEAREST EMERGENCY CIRCUIT OR AS INDICATED.

6. TEST ALL EMERGENCY LIGHTING UNITS FOR PROPER OPERATION OF LAMPS AND BATTERIES.

7. SEE MECHANICAL PLAN FOR HVAC UNITS, PUMPS AND FANS CONTROLLED BY THERMOSTATS (PROVIDED BY ATC CONTRACTOR).

8. FUSES AND OVERLOAD UNITS FOR MOTORS SHALL BE SIZED BASED ON ACTUAL MOTOR NAMEPLATE DATA AND IN ACCORDANCE WITH NEC. CIRCUIT BREAKERS FOR MOTORS ARE SUPPLIED AT MAX VALUE PER NEC (2.5 x FLA.). SIZE IN THE FIELD IN ACCORDANCE WITH MFGR. RECOMMENDATION.

9. ALL WORK SHALL COMPLY WITH NFPA70, NFPA72, NFPA101 & ALL FEDERAL, STATE & LOCAL REGULATIONS.

10. ALL PENETRATIONS THROUGH FLOORS, RATED WALLS AND PARTITIONS SHALL BE SEALED WITH UL APPROVED FIRE SEALANT MATERIAL TO MAINTAIN FIRE RATING FOR THE SEPARATION.

11. ALL ENCLOSURES, CONDUIT BODIES AND THEIR COVERS CONTAINING FIRE ALARM SYSTEM CONDUCTORS SHALL BE PAINTED RED.

12. AN EQUIPMENT GROUNDING CONDUCTOR SHALL BE INSTALLED WITH ALL FEEDERS AND BRANCH CIRCUITS. SIZE IN ACCORDANCE WITH NFPA 70 ARTICLE 250.

13. PROVIDE TWO BALLASTS FOR EACH FIXTURE INDICATED AS REQUIRING DUAL LEVEL SWITCHING. ONE BALLAST TO CONTROL OUTER LAMPS AND THE SECOND BALLAST TO CONTROL INNER LAMP(S).

14. COORDINATE INSTALLATION OF VOICE/DATA OUTLETS WITH OWNER, MIS OR COMMUNICATIONS CONTRACTOR.

15. LOCATE DISCONNECTS AT EQUIPMENT AS REQUIRED BY MANUFACTURER. LOCATIONS ON DRAWINGS ARE APPROXIMATE.

16. OPERATE ALL FLUORESCENT AND METAL HALIDE LAMPS FROM INITIAL INSTALLATION FOR 100 HOURS AT FULL OUTPUT (NO DIMMING) TO SEASON LAMPS AND STABILIZE LAMP COLOR. 17. PROVIDE RISER OR PLENUM RATED CABLES ABOVE SUSPENDED CEILINGS.

18. THE CONTRACTOR SHALL SET ALL ELECTRONIC BREAKERS TO SPECIFIED TRIP SETTINGS BEFORE ENERGIZING EQUIPMENT.

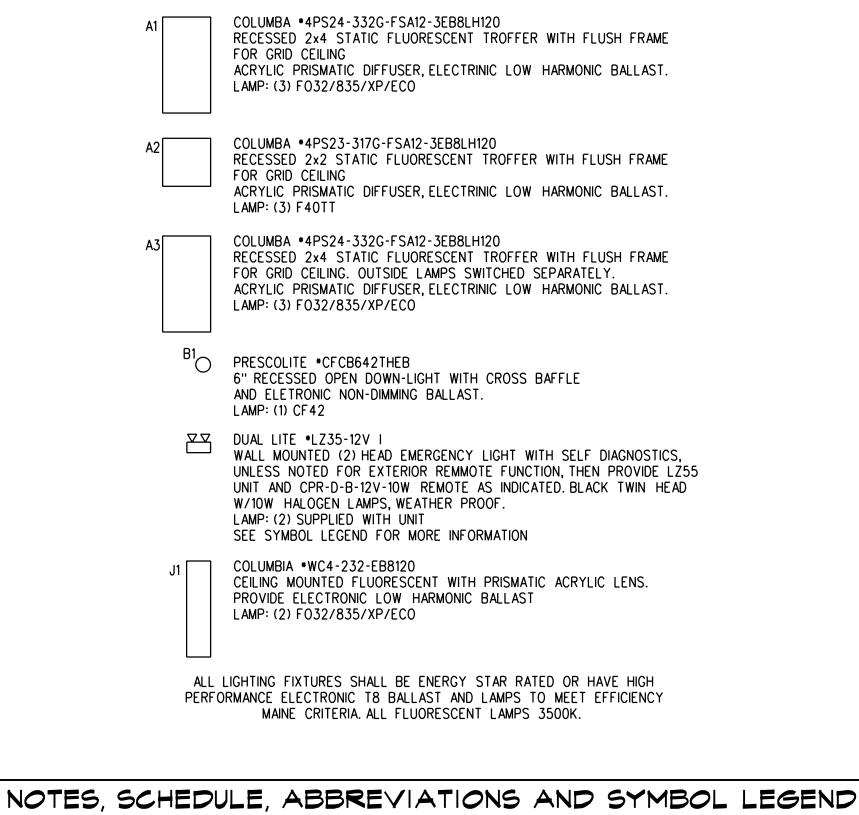
19. PROVIDE EXPANSION FITTINGS FOR ALL UNDERGROUND RACEWAYS ENTERING ENCLOSURES ATTACHED TO FIXED STRUCTURES.

20. OUTDOOR RECEPTACLE COVERS SHALL COMPLY WITH NFPA 70 - ARTICLE 406.9. 21. ALL CONDUCTOR INSULATION FOR BUILDING WIRE SHALL BE THWN UNLESS NOTED OTHERWISE.

22. PROVIDE LABEL ON SERVICE EQUIPMENT INDICATION AVAILABLE SHORT CIRCUIT CURRENT ADD TO MASTER AND DATE.

23. PROVIDE ARCH FLASH LABLES IN ACCORDANCE WITH NFPA 70, ARTICLE 110.

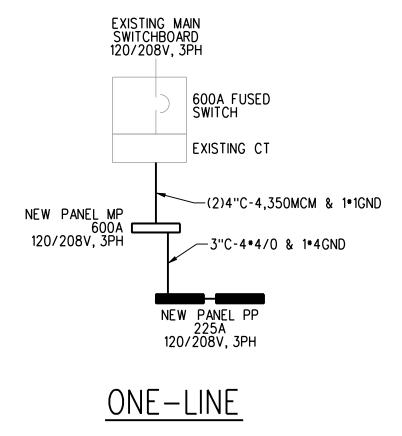
LIGHT FIXTURE SCHEDULE



ABBREVIATIONS



А	AMP	LC	LIGHTING CONTACTORS
AC	ALTERNATING CURRENT, ABOVE COUNTER	LCP	LATERAL CONTROL PIT
ADA	AMERICANS WITH DISABILITIES ACT	LED	LIGHT EMITTING DIODE
AF	AMP FRAME	LP	LIGHTING PANELBOARD
AFCI	ARC FAULT CIRCUIT INTERRUPTER	LTG	LIGHTING
AFF	ABOVE FINISHED FLOOR	LSIG	LONG TIME, SHORT TIME, INSTANTANEOUS, GROUND FAULT
AFG	ABOVE FINISHED GRADE		CIRCUIT BREAKER TRIP FUNCTIONS AS INDICATED
AIC	AMPERES INTERRUPTING CAPACITY	МСС	MOTOR CONTROL CENTER
AL	ALUMINUM	мссв	MOLDED CASE CIRCUIT BREAKER
AT	AMP TRIP	МСВ	MAIN CIRCUIT BREAKER
ATC	AUTOMATIC TEMPERATURE CONTROL	MDP	MAIN DISTRUBITION PANEL
ATS	AUTOMATIC TRANSFER SWITCH	MH	MANHOLE
AWG	AMERICAN WIRE GAUGE	MLO	MAIN LUGS ONLY
BLDG	BUILDING	MTS	MANUAL TRANSFER SWITCH
С	CONDUIT	NC	NORMALLY CLOSED OF NURSE CALL
СВ	CIRCUIT BREAKER	NEC	NATIONAL ELECTRICAL CODE
CI	CAST IRON	NEC	NATIONAL FIRE PROTECTION ASSOCIATION
СКТ	CIRCUIT	NL	NIGHT LIGHT
գ	CENTERLINE	NO	NORMALLY OPEN
СМР	CENTRAL MAINE POWER (ELECTRIC UTILITY)	NO.	NUMBER
СМИ	CONCRETE MASONRY UNIT	NU. OL	OVERLOAD
CT	CURRENT TRANSFORMER	P	POLE
CONC	CONCRETE	PA	PUBLIC ADDRESS
CS	CARBON STEEL	PB	PUSH BUTTON
CU	COPPER	PB	POWER FACTOR
CUH	CABINET UNIT HEATER	PH	PHASE
EC	ELECTRICAL CONTRACTOR	PNL	PANEL
EF	EXHAUST FAN	TP1-2	TELE-POWER POLE - POLE AND CIRCUIT NUMBER AS INDICA
ER	EXISTING REMAINS IN PLACE	PSNH	PUBLIC SERVICE OF NEW HAMPSHIRE (ELECTRIC UTILITY)
ERL	EXISTING RELOCATE	PT	POTENTIAL TRANSFORMER
ERM	EXISTING REMOVE	PVC	POLYVINYL CHLORIDE
EUH	ELECTRIC UNIT HEATER	RSC	RIGID STEEL CONDUIT
EWC	ELECTRICAL WATER COOLER	RTU	ROOF TOP UNIT
FACP	FIRE ALARM CONTROL PANEL	SF	SUPPLY FAN
FAPS	FIRE ALARM PULL STATION	SLD	SINGLE LINE DIAGRAM
		SM	MANUAL MOTOR STARTER SWITCH WITH THERMAL OVERLOAD
FRP FVNR	FIBER REINFORCED PLASTIC FULL VOLTAGE, NON-REVERSING	511	DEVICE, MOUNTED AT UNIT
RVNR	REDUCED VOLTAGE, NON-REVESING	SS	SOLID STATE
DC	DIRECT CURRENT	SWBD-1	SWITCHBOARD NUMBER AS DESIGNATED
GFI	GROUND FAULT INTERRUPTER	TC	TIME CLOCK
GND	GROUND	TS	TRANSFER SWITCH
HID	HIGH INTENSITY DISCHARGE	T&B	TOP AND BOTTOM
HOA	HAND-OFF-AUTOMATIC	ΤΥΡ	TYPICAL
HP	HORSEPOWER	UG	UNDERGROUND
HPS	HIGH PRESSURE SODIUM	V	VOLT
HZ	HERTZ	VA	VOLT-AMPERE
ICB	INSULATED CASE CIRCUIT BREAKER	VFD	VARIABLE FREQUENCY DRIVE
JB	JUNCTION BOX	W	WATT
KAIC	THOUSAND AMP INTERRUPTING CAPACITY	W/	WITH
KCMIL	THOUSAND CIRCULAR MIL	WP	WEATHERPROOF
KV	THOUSAND VOLTS	XFMR	TRANSFORMER
KVA	THOUSAND VOLT-AMPS	XP	EXPLOSION PROOF
KW	THOUSAND WATTS (KILOWATT)	3PH	THREE PHASE
1. 11		4 W	FOUR WIRE
		T 11	



NOTE: PROVIDE 1-0 SERVICE GROPUND AS REQUIRED BY NFPA 70, 250.

SYME	BOL LEGEND			
(1/4)	POWER PANEL,120/208V,3PHS,4WIRE ELECTRIC MOTOR DRIVEN EQUIPMENT,HP SHOWN			
0	JUNCTION BOX - "H" DENOTES RANGE HOOD, "DS" DENOTES DISPOSAL, "DW" DENOTES DISHWASHER			
۸				
D _P O FO	LIGHTING FIXTURES- CAPITAL LETTERS DENOTE TYPE AS PER LIGHTING FIXTURE SCHEDULE. LOWER CASE LETTERS INDICATE SWITCH CONTROL. DIAGONAL LINE INDICATES NIGHT LIGHT - UNSWITCHED			
	DISCONNECT SWITCH -250 VOLT- SIZE AND NUMBER OF POLES AS INDICATED ON DRAWING PROVIDED AND INSTALLED BY E.C UNLESS OTHERWISE NOTED. PROVIDE FUSES WHERE RECOMMENDED BY MANUFACTURER.			
	COMBINATION MOTOR STARTER/ DISCONNECT SWITCH - WITH AUXILARY CONTACTS AND HAND-OFF-AUTO SWITCH AND RED RUN LIGHT PROVIDED AND INSTALLED BY E.C UNLESS OTHERWISE NOTED.			
VFD	VARIABLE FREQUENCY DRIVE - PROVIDED BY M.C., INSTALLED AND WIRED BY E.C.			
	RACEWAY & WIRING OR MC CABLE RUN CONCEALED IN WALLS/CEILINGS. BRANCH CIRCUIT WIRING SHALL CONSIST OF			
	RACEWAY & WIRING RUN EXPOSED RACEWAY & WIRING RUN CONCEALED CIPCUITS, CONTAINED IN HOMEPUN			
	UNDER FLOOR OR BURIED 30" BELOW FINISH GRADE HOME_RUN TO PANEL- ARROWS INDICATE WITH NFPA 70, ATRICLE 250.			
HP **	QUANTITY OF CIRCUITS- NUMERALS DENOTE CIRCUIT NUMBERS			
S	SINGLE POLE SWITCH,120 VOLT,20 AMP, SPEC GRADE, GROUNDING TYPE, MOUNT 48" AFF, 3-3-WAY, 4-4 WAY, P-PILOT LOWER CASE LETTER INDICATES FIXTURE OR CONTROLLED LOAD. PILOT LIGHT SWITCHES SHALL BE PROVIDED W/ ENGRAVED			
SB	BURNER SAFETY SWITCH - PROVIDE WITH RED PLATE - MOUNTED 72" AFF			
	SELF CONTAINED EMERGENCY LIGHTING UNIT W/2 HEADS, SEE SCHEDULE			
	DUAL-LITE CPR AT DOORS (EXTERIOR)			
	DUAL-LITE LZ55 WITH REMOTE EXT. HEADS (2)			
	EXIT LIGHT FIXTURE - UNSWITCHED - SEE LIGHTING FIXTURE SCHEDULE			
	TEMPERATURE CONTROL PANEL - PROVIDED BY M.C. WIRED BY E.C. DUPLEX RECEPTACLE- 20A, 125V SPEC GRADE GROUNDING TYPE, TAMPER PROOF AND			
	MATCHING PLATE - MOUNT 18" AFF. "R" DENOTES REFRIGERATOR, "D" DENOTES DOUBLE DUPLEX			
	DUPLEX RECEPTACLE- 20A, 125V SPEC GRADE GROUNDING TYPE, TAMPER PROOF AND MATCHING PLATE - MOUNT 18" AFF. BOTTOM RECEPTACLE SWITCHED			
GF	DUPLEX RECEPTACLE- GROUND FAULT OUTLET 20A, 125V- TAMPER PROOF WITH MATCHING PLATE FURNISHED W/ OUTLET. FLUSH MOUNTED 45'' AFF EXCEPT AS NOTED.			
F <u>∟</u> ⊖	DUPLEX RECEPTACLE- 15A, 125V SPEC. GRADE GROUNDING TYPE - FLUSH FLOOR MOUNTED.			
-				
Ø-	DRYER OUTLET 30 AMP, 250 VOLT, GROUNDING TYPE FLUSH MOUNTED 18" AFF			
¹⁵ S⊠ 200°⊕	FIRE ALARM VISUAL STROBE ONLY - FLUSH MOUNT 6'-8" AFF NUMERALS DENOTE CANDELA RATINGS.			
135°HD	SYSTEM CONNECTED FIXED TEMPERATURE HEAT DETECTOR			
\bigcirc	SMOKE DETECTOR, PHOTOELECTRIC TYPE- SYSTEM CONNECTED. "ER" - ELEV. RECALL			
SBSD	SYSTEM CONNECTED SMOKE DETECTOR,PHOTOELECTRIC TYPE- W/ SOUNDER BASE- "SB" DENOTES SOUNDER BASE.			
SD	DUCT SMOKE DETECTOR & TEST STATION			
F	FIRE ALARM PULL STATION - MOUNT 48"AFF			
СТУ	CABLE TV JUNCTION BOX "CTV" - SIZE AS REQUIRED BY CABLE TV CO.			
ד∨	TV OUTLET LOCATION - CABLE AND JACKS BY E.C.			
V	TELEPHONE/DATA DUAL JACK LOCATION MOUNT 18"AFF - TWO CAT 5E CABLES BACK TO TBB.			
4▽	DATA JACK LOCATION MOUNT 18"AFF - TWO CAT 5E CABLES BACK TO TBB. NUMBER DENOTES THE NUMBER OF CONNECTIONS AT THIS LOCATION			
	TELEPHONE JACK LOCATION MOUNT 18"AFF - ONE CAT 5E CABLE BACK TO TBB.			
	PHOTOCELL LIGHTING CONTACTOR			
	TIMECLOCK			
•	PUSHBUTTON FOR ELECTRICALLY OPERATED DOOR - FURN. W/ DOOR OPERATOR - WIRED BY E.C.			
	DOOR PUSHBUTTON			
9]	INTERCOM PANEL IN UNIT			
	DOOR ELECTRIC STRIKE			
	INTERCOM PANEL AT RECEPTION			
 ۴	SPRINKLER SYSTEM FLOW SWITCH SUPPLIED BY SPRINKLER CONTRACTOR WIRED BY E.C.			
П Ш	SPRINKLER SYSTEM TAMPER SWITCH VERIFY LOCATIONS WITH SPRINKLER CONTRACTOR. MOTION SENSOR (WATTSTOPPER OR EQUAL)			
(MS)	CORRIDORS: WT-2255 SENSOR & B120E-P POWER PACK OTHER COMMON SPACES: WT-605 SENSOR & B120E-P POWER PACK			

OTHER COMMON SPACES: WT-605 SENSOR & B120E-P POWER PACK SMOKE DAMPER

