

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 AND DATE.

UNIT GENERAL NOTES

1. SWITCHES, OUTLETS, TEL JACKS AND TV JACKS TO BE STAGGERED IN COMMON WALLS BETWEEN UNITS-TYPICAL. PROVIDE PUTTY PADS IN INSTANCES WHERE DEVICES CANNOT BE PROPERLY STAGGERED.
2. CONTRACTOR SHALL ROUGH IN BOXES IN ONE OF EACH UNIT TYPE FOR REVIEW IN THE FIELD BY THE OWNER.
3. MINIMUM WIRE SIZE IS #12 AWG - #14 AWG WIRE IS NOT PERMITTED.
4. PROVIDE AIR-VAPOR BARRIER ELECTRICAL BOXES AT EXTERIOR WALLS.LESSCO OR EQUIVALENT
5. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR LOCATION OF LIGHTING FIXTURES.
6. ALL PRODUCTS OF COMBUSTION DETECTORS (SMOKE DETECTORS) SHALL PROVIDE BOTH AUDIO AND VISUAL ALARMS.
7. ALL WIRING PENETRATING INTO BUILDING THERMAL ENVELOPE COMPONENTS SHALL BE PROPERLY "AIR-SEALED".
8. SWITCHES FOR RANGE HOOD FAN AND LIGHT SHALL BE MOUNTED AT COUNTER HEIGHT.
9. ELECTRICAL PANELS SHALL BE MOUNTED WITH THE TOP BREAKER NOT HIGHER THEN 48" AFF.
10. UNIT THERMOSTATS SHALL BE MOUNTED NOT HIGHER THEN 48" AFF.

UNIT FIRE ALARM NOTES

1. ON SUPERVISED SYSTEM (CENTRAL) ACTIVATION ALL SYSTEM AUDIO/VISUAL AND VISUAL ONLY DEVICES SHALL ALARM.
2. WHEN UNIT SMOKE DETECTOR GOES INTO ALARM ALL SINGLE STATION AUDIO/VISUAL AND VISUAL ONLY DEVICES WITHIN THAT UNIT SHALL ACTIVATE. THIS WILL NOT ACTIVATE THE ENTIRE BUILDING SYSTEM.
3. THE HORN/STROBES WITHIN THE LIVING UNITS SHALL BE CONNECTED TO THE SUPERVISED CENTRAL SYSTEM.
4. INTERCONNECT ALL 120 VOLT SINGLE STATION SMOKE DETECTORS WITHIN EACH LIVING UNIT. ALL INTERCONNECTED SMOKE DETECTORS SHALL BE ON THE SAME CIRCUIT FOR PROPER OPERATION. REFER TO MANUFACTURER'S INSTALLATION MANUAL AND MOUNT DETECTORS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. AUDIBLE ALARM
5. CARBON MONOXIDE DETECTORS (120V) IN RESIDENCES SHALL BE INSTALLED AT LEAST 10 FEET FROM ANY HEAT SOURCE.
6. INTERCONNECT ALL 120 VOLT CARBON MONOXIDE (CO) DETECTORS WITHIN EACH LIVING UNIT. ALL INTERCONNECTED CO DETECTORS SHALL BE ON THE SAME CIRCUIT FOR PROPER OPERATION. REFER TO MANUFACTURER'S INSTALLATION MANUAL AND MOUNT DETECTORS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. CO DETECTORS SHALL HAVE AN ALARM SOUND THAT IS DIFFERENT THAN THE LIVING UNIT SMOKE DETECTORS AND FIRE ALARM SYSTEM ALARMS.
7. THERE ARE NO CENTRAL SYSTEM SMOKE OR CARBON MONOXIDE DEVICES IN THE UNITS. THEY ARE ALL SINGLE STATION 120V/ BATTERY UNNITS.

ABBREVIATIONS

A	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 CIRCUIT BREAKER TRIP FUNCTIONS AS INDICATED
AFG	ABOVE FINISHED GRADE		
AIC	AMPERES INTERRUPTING CAPACITY	MCC	MOTOR CONTROL CENTER
AL	ALUMINUM	MCCB	MOLDED CASE CIRCUIT BREAKER
AT	AMP TRIP	MCB	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
C	CONDUIT	NC	NORMALLY CLOSED OF NURSE CALL
CB	CIRCUIT BREAKER	NEC	NATIONAL ELECTRICAL CODE
CI	CAST IRON	NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
CKT	CIRCUIT	NL	NIGHT LIGHT
℄	CENTERLINE	NO	NORMALLY OPEN
CMP	CENTRAL MAINE POWER (ELECTRIC UTILITY)	NO.	NUMBER
CMU	CONCRETE MASONRY UNIT	OL	OVERLOAD
CT	CURRENT TRANSFORMER	P	POLE
CONC	CONCRETE	PA	PUBLIC ADDRESS
CS	CARBON STEEL	PB	PUSH BUTTON
CU	COPPER	PF	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 INDICATED
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
FRP	FIBER REINFORCED PLASTIC	SM	MANUAL MOTOR STARTER SWITCH WITH THERMAL OVERLOAD DEVICE, MOUNTED AT UNIT
FVNR	FULL VOLTAGE, NON-REVERSING		
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	TYP	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
		4W	FOUR WIRE
		3W	THREE WIRE

SYMBOL LEGEND

- POWER PANEL,120/208V,3PHS,4WIRE
- ELECTRIC MOTOR DRIVEN EQUIPMENT,HP SHOWN
- JUNCTION BOX - "JB" DENOTES RANGE HOOD, "DS" DENOTES DISPOSAL, "DW" DENOTES DISHWASHER
- 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 AUXILIARY CONTACTS AND HAND-OFF-AUTO SWITCH AND RED RUN LIGHT PROVIDED AND INSTALLED BY E.C. - UNLESS OTHERWISE NOTED.
- VARIABLE FREQUENCY DRIVE - PROVIDED BY M.C., INSTALLED AND WIRED BY E.C.
- RACEWAY & WIRING OR MC CABLE RUN CONCEALED IN WALLS/CEILINGS.
- RACEWAY & WIRING RUN EXPOSED
- RACEWAY & WIRING RUN CONCEALED UNDER FLOOR OR BURIED 30" BELOW FINISH GRADE
- HOME RUN TO PANEL- ARROWS INDICATE QUANTITY OF CIRCUITS- NUMERALS DENOTE CIRCUIT NUMBERS
- BRANCH CIRCUIT WIRING SHALL CONSIST OF 2*12, 1*12G/1/2"C UNLESS OTHERWISE NOTED. ASTERISK INDICATES #10 AWG FOR ALL CIRCUITS CONTAINED IN HOMERUN. DOUBLE ASTERISK INDICATES 2,*8 &1,*10,3/4"C PROVIDE EQUIPMENT GROUNDS IN ACCORDANCE WITH NFPA 70, ARTICLE 250.
- 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
- BURNER SAFETY SWITCH - PROVIDE WITH RED PLATE - MOUNTED 72" AFF
- DUAL-LITE *L2Z - 10 WATTS FOR 90 MINUTES, 6V D.C.
- CVSDI IN CAR WASH AREA
- CSHSW0605 AT DOORS (EXTERIOR)
- DUAL-LITE *CVSI 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
- DUPLEX RECEPTACLE- GROUND FAULT OUTLET 20A, 125V- TAMPER PROOF WITH MATCHING PLATE FURNISHED W/ OUTLET. FLUSH MOUNTED 45" AFF EXCEPT AS NOTED.
- DUPLEX RECEPTACLE- 15A, 125V SPEC. GRADE GROUNDING TYPE - FLUSH FLOOR MOUNTED.
- RANGE OUTLET 50 AMP, 250 VOLT, GROUNDING TYPE FLUSH MOUNTED 18" AFF
- DRYER OUTLET 30 AMP, 250 VOLT, GROUNDING TYPE FLUSH MOUNTED 18" AFF
- FIRE ALARM CONTROL PANEL
- FIRE ALARM AUDIO/VISUAL, MOUNT 6'-8" AFF - NUMERAL DENOTES CANDELA RATING "MH" DENOTES MINIHORN. NO DESIGNATION EQUALS A 15cd.
- FIRE ALARM VISUAL STROBE ONLY - FLUSH MOUNT 6'-8" AFF NUMERALS DENOTE CANDELA RATINGS.
- SYSTEM CONNECTED FIXED TEMPERATURE HEAT DETECTOR
- SMOKE DETECTOR,PHOTOELECTRIC TYPE- SYSTEM CONNECTED, "ER" - ELEV. RECALL
- SYSTEM CONNECTED SMOKE DETECTOR,PHOTOELECTRIC TYPE- W/ SOUNDER BASE- "SB" DENOTES SOUNDER BASE.
- DUCT SMOKE DETECTOR & TEST STATION
- FIRE ALARM PULL STATION - MOUNT 48" AFF
- CABLE TV JUNCTION BOX "CTV" - SIZE AS REQUIRED BY CABLE TV CO.
- TV OUTLET LOCATION - CABLE AND JACKS BY E.C.
- TELEPHONE/DATA DUAL JACK LOCATION MOUNT 18" AFF - TWO CAT 5E CABLES BACK TO TBB.
- 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
- INTERCOM PANEL IN UNIT
- DOOR ELECTRIC STRIKE
- INTERCOM PANEL AT RECEPTION
- SPRINKLER SYSTEM FLOW SWITCH
- SPRINKLER SYSTEM TAMPER SWITCH
- SUPPLIED BY SPRINKLER CONTRACTOR WIRED BY E.C. VERIFY LOCATIONS WITH SPRINKLER CONTRACTOR.
- MOTION SENSOR (WATTSTOPPER OR EQUAL) CORRIDORS: WT-2255 SENSOR & B120E-P POWER PACK OTHER COMMON SPACES: WT-605 SENSOR & B120E-P POWER PACK
- SMOKE DAMPER

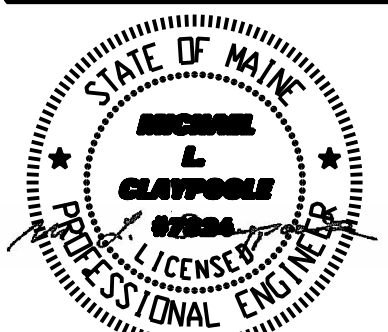


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NOTES,
LEGEND AND
ABBREVIATIONS

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