

PLAN SYMBOLS

<u>SYMBOL</u> **DESCRIPTION** 125V, 20A, DUPLEX GROUNDED RECEPTACLE  $\bigoplus$ GFI = Ground Fault Type WP = Weatherproof AC = Mount 6" Above Sink or Counter 125V, 20A, QUAD GROUNDED RECEPTACLE TELEPHONE OUTLET CABLE TELEVISION OUTLET  $\mathsf{N}^\mathsf{N}$ WIRELESS DATA NETWORK OUTLET Mount 12" Below Ceiling DOOR INTERCOM STATION JUNCTION BOX ELECTRIC PANELBOARD (See Plans for Details) CONTROL PANEL (See Plans for Details) UNIT LOAD CENTER FIRE ALARM SMOKE DETECTOR — Indicates Localized Detector FIRE ALARM CARBON MONOXIDE SENSOR Indicates Localized Detector FIRE ALARM HEAT DETECTOR FIRE ALARM AUDIO VISUAL Indicates Visual Only FIRE ALARM PULL STATION CEILING MTD. FLUORESCENT LIGHT Circuit Number — Fixture Designation WALL MOUNTED LIGHT FIXTURE —— Fixture Designation RECESSED/CEILING MOUNTED LIGHT FIXTURE —— Fixture Designation LIGHT/DEVICE SWITCH

SINGLE LINE DIAGRAM SYMBOLS

3 = Three-Way Type

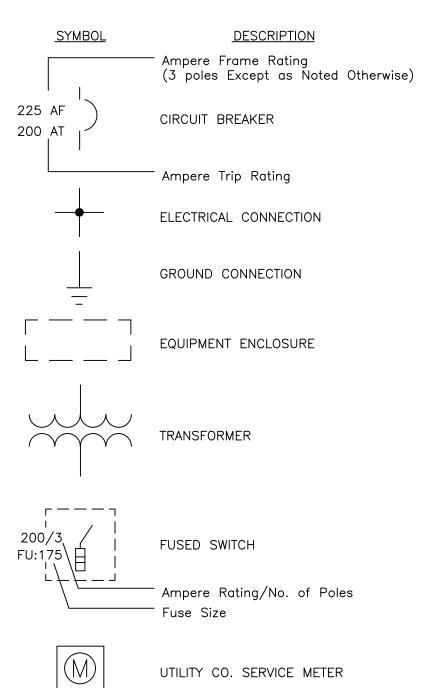
(Provided Under Div 15)

MOTOR OPERATED DAMPER

MANUAL MOTOR SWITCH

MOD

CEILING MTD LTG CONTROL MOTION SENSOR



2 | ELECTRICAL SYMBOLS No Scale

. ALL 120V RECEPTACLES IN KITCHENS AND BATHROOMS SHALL BE GFIC RATED EXCEPT FOR THE REFRIGERATOR. 2. MINIMUM CIRCUIT BREAKER SIZE SHALL BE 20 AMP. MINIMUM

WIRE SIZE SHALL BE #12 AWG. 3. CONNECT ALL 120 VOLT RECEPTACLE CIRCUITS IN LIVING UNITS TO ARC-FAULT TYPE CIRCUIT BREAKERS IN LOAD

4. ALL RECEPTACLES IN LIVING UNITS SHALL BE TAMPER-RESISTANT.

5. COMBINATION HORN/STROBE/SMOKE DETECTORS SHALL BE

PHOTOELECTRIC TYPE. 6. SMOKE DETECTORS AND CARBON MONOXIDE DETECTORS IN LIVING UNITS SHALL BE CIRCUITED TO THE LOCAL LIGHTING

7. WHERE STROBE CANDELA RATING IS NOT SHOWN FOR HOUSE FIRE ALARM NOTIFICATION APPLIANCES, STROBE RATING SHALL

8. INSTALL LOAD CENTERS WITHIN LIVING UNITS WITH THE TOP CIRCUIT BREAKER HANDLE AT 48" AFF. INSTALL NEW BRANCH CIRCUIT PANELS SO THAT THE TOP CIRCUIT BREAKER IS NO

HIGHER THAN 6'-0"AFF. 9. COORDINATE THE EXACT LOCATION OF RECEPTACLES IN KITCHENS SO THAT NO POINT ON THE COUNTER IS GREATER THAN 24" TO A RECEPTACLE. PROVIDE AN ABOVE COUNTER RECEPTACLE AT ALL KITCHEN COUNTERS THAT ARE GREATER

10. FOR RECEPTACLES INDICATED AND ALL RECEPTACLES IN BEDROOMS, CONNECT THE TOP HALF OF THE RECEPTACLE TO LIGHT SWITCH AS INDICATED. DO NOT CONNECT RECEPTACLES ADJACENT TO EXISTING TELEVISION OUTLET TO SWITCH.

11. PROVIDE A 120V, DUPLEX RECEPTACLE FOR GAS RANGE CONTROLS. MOUNT 18" ABOVE FINISHED FLOOR. PROVIDE A 120V CIRCUIT CONNECTION TO COMBINATION MICROWAVE/HOOD UNIT MOUNTED ABOVE RANGE. COORDINATE EXACT HEIGHT WITH ARCHITECTURAL ELEVATIONS.

12. DO NOT INSTALL FLUSH MOUNTED BOXES BACK-TO-BACK IN WALLS; PROVIDE A MINIMUM 24 INCH SEPARATION. WHERE 24 INCH SEPARATION IS NOT PHYSICALLY POSSIBLE, APPROVAL FOR CLOSER SPACING SHALL BE OBTAINED FROM THE ARCHITECT PRIOR TO ROUGH-IN. IN SUCH CASES, PROVIDE UL LISTED FIRESTOP PADS FOR BOXES.

13. ENSURE THAT OUTLET BOXES IN COMMON WALLS OF DWELLING UNITS ARE SEALED AGAINST AIR FILTRATION THROUGH THE USE OF CAULKING DRYWALL TO THE BOX AND PROVIDING COVER PLATE GASKETS.

14. UNLESS SPECIFICALLY OTHERWISE NOTED 3-PHASE LOADS SHALL BE CIRCUITED WITH 3 #12, 1 #12GND, IN A 3/4" CONDUIT.

15. PROVIDE TEN (10) 120V, 30A CIRCUITS IN PANEL HP-M FOR EXHAUST FANS TO BE MOUNTED ON ROOF. PROVIDE A 208V, 60A/3P CIRCUIT IN PANEL HP-M FOR AN 8.5TON PACKAGED ROOFTOP UNIT. PROVIDE TWO (2) 208V. 30A/2P CIRCUITS IN PANEL HP-M FOR GUEST ROOM MULTI-SPLIT UNITS. PROVIDE ELECTRIC UNIT HEATERS, LOCATION TO BE DETERMINED. PROVIDE A 120V, 20A CIRCUIT IN PANEL HP-M FOR THE ELEVATOR EXHAUST FAN. PROVIDE A 120V, 20A CIRCUIT IN PANEL HP-M FOR THE ELEVATOR SUMP PUMP. VERIFY THE EXACT LOCATION OF ALL MECHANICAL EQUIPMENT PRIOR TO ROUGH-IN. 16. PROVIDE WEATHERPROOF GFI RATED RECEPTACLES SO THAT

THERE IS A RECEPTACLE WITHIN 25FT OF EACH MECHANICAL UNIT LOCATED ON THE ROOFTOP. WHERE RECEPTACLE IS MOUNTED TO MECHANICAL UNIT, ELECTRICAL CONTRACTOR SHALL SEAL ALL PENETRATIONS INTO UNIT.

17. WITHIN EACH LIVING UNIT PROVIDE THE FOLLOWING LOAD CENTER CIRCUITS:

20A/1P - DINING AREA/HALL RECEPTACLES 5 RECEPTACLES MAX. PER CIRCUIT 20A/1P - LIVING AREA RECEPTACLES

5 RECEPTACLES MAX. PER CIRCUIT 20A/1P - BEDROOM RECEPTACLES 20A/1P - BEDROOM RECEPTACLES

20A/1P - BEDROOM RECEPTACLES 20A/1P - BATHROOM RECEPTACLE 20A/1P - BATHROOM RECEPTACLE 20A/1P - LIGHTING/SMOKE DETECTORS

20A/1P - DOOR INTERCOM STATION 20A/1P - GAS RANGE 20A/1P - RANGE HOOD/MICROWAVE COMBO UNIT 20A/1P - KITCHEN RECEPTACLES

20A/1P - KITCHEN RECEPTACLES 20A/1P - REFRIGERATOR 20A/1P - DISHWASHER

20A/1P - GAS WASHER/DRYER/RECEPT 15A/1P - ERV UNIT 15A/1P - BOILER/PUMPS UNIT

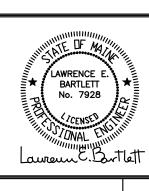
15A/1P - FAN COIL UNIT 50A/2P - ROOF MTD CONDENSING UNIT (LC-1 ONLY) 35A/2P - ROOF MTD CONDENSING UNIT (LC-2 ONLY)

18. PROVIDE A 15A, 120V CONNECTION, CIRCUITED TO THE UNIT LOAD CENTER, FOR BOILER & CIRCULATING PUMPS TO BE LOCATED IN UNIT MECHANICAL CLOSET. PROVIDE A 15A, 120V CONNECTION, CIRCUITED TO THE UNIT LOAD CENTER, FOR FAN COIL UNIT TO BE LOCATED ABOVE BATHROOM CEILING. PROVIDE A 15A, 120V CONNECTION, CIRCUITED TO THE UNIT LOAD CENTER, ERV UNIT TO BE LOCATED ABOVE BATHROOM

19. FOR UNITS WITH LOAD CENTERS LC-1, PROVIDE A 50A, 240V CONNECTION FOR UNIT'S ROOF MOUNTED CONDENSING UNIT. FOR UNITS WITH LOAD CENTERS LC-2, PROVIDE A 35A, 240V CONNECTION FOR UNIT'S ROOF MOUNTED CONDENSING UNIT. 20. PROVIDE A 20A, 120V CONNECTION, CIRCUITED TO PANEL HP 21. PROVIDE A 120V, 20-AMPERE CIRCUIT (PANEL HP #42) TO ELEVATOR SHAFT VENT DAMPER OPERATÒR. PROVIDE

CONNECTION TO SMOKE DETECTOR WITH CONTROL MODULE AND CONTROL RELAY TO OPEN VENT UPON DETECTION OF SMOKE WITHIN ELEVATOR SHAFT.

3 | PROJECT NOTES



Developers Collaborative

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