

## GENERAL NOTES:

- ALL CONDUIT AND CABLING IS NEW AND TO BE PROVIDED BY THE CONTRACTOR.
- ALL EQUIPMENT SHOWN ON THIS DRAWING IS NEW UNLESS OTHERWISE INDICATED AS EXISTING.
- CONSTRUCTION NOTES:
  - PROVIDE NEW 75kVA OUTDOOR AUTOTRANSFORMER XFMR-C670 TO SERVICE CHLORINE SCRUBER SCBR-C670. AUTOTRANSFORMER PROVIDED BY ELECTRICAL CONTRACTOR. CABLE AND CONDUIT TO BE RUN ABOVE SLAB. PROVIDE SUPPORTS AS REQUIRED.
  - PROVIDE NEW CHLORINE GAS SCRUBBER TO BE LOCATED OUTSIDE. CONTRACTOR TO PROVIDE ALL CONDUIT AND CABLING REQUIRED FOR COMPLETE INSTALLATION OF ALL POWER AND CONTROLS. SCRUBBER PROVIDED BY MECHANICAL CONTRACTOR.
  - PROVIDE 60A RATED, NON-FUSIBLE, WEATHERPROOF DISCONNECT SWITCH DS-C670.
  - PROVIDE NEW ON/OFF DAMPER ACTUATORS AS SHOWN INCLUDING ALL ASSOCIATED CONDUIT AND CABLING REQUIRED FOR THE COMPLETE INSTALLATION OF ALL POWER AND CONTROLS. PROVIDE ALL MOUNTING ACCESSORIES REQUIRED TO INSTALL ACTUATORS. CONTRACTOR IS RESPONSIBLE FOR MOUNTING SCHEME. ACTUATORS ARE TO BE NEMA 4X COMPLIANT AND PROVIDE WEATHERPROOF ENCLOSURE FOR ALL OUTDOOR ACTUATORS.
  - PROVIDE NEW EXHAUST FAN EF-C640, EF-C641, EF-C642, AND EF-C644 AS SHOWN. CONTRACTOR TO PROVIDE ALL CONDUIT AND CABLING REQUIRED FOR COMPLETE INSTALLATION OF POWER AND CONTROLS.
  - PROVIDE NEW FLOW SWITCH ON EXISTING SAFETY SHOWER IN CHLORINATOR EQUIPMENT ROOM. EXISTING SAFETY SHOWER IS FROM MANUFACTURER ENCON. PROVIDE FLOW SWITCH ALARM KIT PART #0210000. CONTRACTOR TO FEED POWER TO FLOW SWITCH RELAY FROM PNL-E, CCT 49. PROVIDE ALL NEW CONDUIT AND CABLING FOR A COMPLETE AND WORKING SYSTEM.
  - PROVIDE NEW 600V DUCT HEATER HCE-C620 AND ALL CONDUIT AND CABLING REQUIRED FOR THE COMPLETE INSTALLATION OF POWER AND CONTROLS. DUCT HEATER TO INCLUDE CONTROL PANEL, THERMOSTAT AND SENSOR. PROVIDE HEATER CONTROL PANEL CP-C620. REFER TO HEATER SCHEMATIC 1-0650M-E0052 FOR WIRING DETAILS AND 1-0650M-A0082 FOR PANEL LAYOUT.
  - PROVIDE NEW 120V SUPPLY FAN SF-C630 COMPLETE WITH DAMPER ACTUATOR AND ALL ASSOCIATED CONDUIT AND CABLING REQUIRED FOR POWER AND CONTROL. DAMPER ACTUATOR IS LOCATED IN TONNER SCALE ROOM AS SHOWN. REFER TO MECHANICAL DRAWINGS.
  - PROVIDE NEW 208V HEATERS HTR-C663 AND HTR-C664 IN VESTIBULES COMPLETE WITH BUILT IN THERMOSTAT. PROVIDE ALL ASSOCIATED CONDUIT AND CABLING REQUIRED FOR COMPLETE INSTALLATION OF POWER AND CONTROLS.
  - PROVIDE MAKE-UP AIR UNITS AHU-C601 AND AHU-C602 WITH INTEGRAL OPEN/CLOSE DAMPERS OUTSIDE LOCATED ON THE CHLORINE BUILDING ROOF. PROVIDE ALL CONDUIT AND CABLING REQUIRED FOR A COMPLETE INSTALLATION OF ALL POWER AND CONTROLS. MAKE-UP AIR UNIT PROVIDE BY MECHANICAL CONTRACTOR.
  - RETAIN EXISTING AIT D12 CHLORINE GAS DETECTOR CONTROLLER AND RENAME AIT-C6903-2. RELOCATE CONTROLLER TO TONNER SCALE ROOM AND PROVIDE ALL ADDITIONAL WIRING AND CONDUIT REQUIRED. PROVIDE PULL BOX AT EXISTING LOCATION TO EXTEND EXISTING ANALOG SIGNAL CABLING AND CONDUIT.
  - RETAIN EXISTING CHLORINE GAS SENSOR. EXISTING LOCATION TO BE RETAINED. PROVIDE NEW GAS GENERATOR MODULE ASSOCIATED WITH CONTROLLER AND SENSOR. CONNECT NEW WIRING TO EXISTING CONTROLLER AS PER DRAWING 1-0640M-A0073. REFER TO MANUFACTURER INFORMATION FOR INSTALLATION.
  - PROVIDE NEW TONNER ROOM OCCUPANCY LIGHT AS SHOWN. OCCUPANCY LIGHT TO BE GREEN AND ACTIVE WHEN AHU-C601 OR AHU-C602 IS RUNNING. CONTRACTOR TO PROVIDE ALL NECESSARY MOUNTING ACCESSORIES AND SIGNAGE THAT READS "SUPPLY AIR ON". COORDINATE WITH CONTRACT ADMINISTRATOR SIZE AND DESCRIPTION PRIOR TO PRODUCTION.
  - PROVIDE NEW TEMPERATURE TRANSMITTERS AS SHOWN ON DRAWING. PROVIDE NEW CABLING AND CONDUIT.
  - PROVIDE NEW EMERGENCY SHOWER FLOW SWITCH AS PART OF VENDOR SUPPLIED PACKAGE AS SHOWN ON DRAWING. PROVIDE NEW CABLING AND CONDUIT FOR PLC MONITORING.
  - PROVIDE NEW PRESSURE DIFFERENTIAL TRANSMITTER PDT-M6012. PROVIDE NEW CABLING AND CONDUIT. TRANSMITTER TO MEASURE BETWEEN TONNER ROOM AND OUTSIDE. PROVIDE ALL NECESSARY EQUIPMENT TO FACILITATE INSTALLATION.
  - PROVIDE NEW SWITCH FOR TONNER ROOM OCCUPANCY STATUS. PROVIDE ALL NEW CABLING AND CONDUIT.
  - PROVIDE NEW NEMA 4X CHLORINE GAS ALARM HORN/STROBE AS SHOWN. PROVIDE SAME NEMA 4X MAKE/MODEL AS EXISTING GAS DETECTION HORN/STROBE DEVICE AIT-C6903-3 LOCATED ABOVE EXISTING TONNER ROOM ENTRY DOOR. REFER TO DRAWING 1-0640M-A0074 FOR DETAILS. CONTRACTOR TO CONFIRM EXISTING CIRCUIT ON SITE AND TIE IN NEW DEVICES TO EXISTING. PROVIDE WARNING SIGNAGE (RED WITH WHITE LETTERS) THAT READ "CHLORINE ALARM".
  - REPLACE ALL EXISTING RECEPTACLE COVER PLATES WITHIN THE CHLORINE BUILDING SPACE WITH WEATHERPROOF COVERS SUITABLE FOR USE IN CATEGORY 2 LOCATIONS AS PER SECTION 22 OF THE CEC.
  - ALL EXISTING EMT CONDUIT SYSTEMS INCLUDING ALL PULL BOXES OR JUNCTION BOXES THAT ARE NOT NEMA 4X RATED ARE TO BE PAINTED WITH A NON CORROSIVE PAINT TO COMPLY WITH CATEGORY 2 CLASSIFICATION.
  - PROVIDE NEW VENTILATION CONTROL PANEL CP-C601 FOR AIR HANDLING UNITS AHU-C601 AND AHU-C602. ENCLOSURE TO BE NEMA 4X RATED AND SUITABLE FOR CEC CATEGORY 2 LOCATIONS. REFER TO DRAWING 1-0650M-A0078 FOR PANEL LAYOUT.

- PROVIDE NEW OUTDOOR TEMPERATURE TRANSMITTER. PROVIDE NEW CABLING AND CONDUIT. MOUNT AT ROOFTOP LEVEL.
- CONTRACTOR TO RELOCATE EXISTING HEATER AS SHOWN TO ACCOMMODATE THE NEW VESTIBULE IN THE TONNER STORAGE ROOM. CONTRACTOR EXTEND CABLE/CONDUIT ACCORDINGLY TO FACILITATE RELOCATION.
- CONTRACTOR TO PROVIDE AIR FLOW SWITCH TO PROVE ASSOCIATED HVAC EQUIPMENT IS RUNNING. LOCATION OF FLOW SWITCH ON DRAWING IS APPROXIMATE. CONFIRM ON SITE OPTIMAL LOCATION OF FLOW SWITCH IN DUCT FOR EACH HVAC UNIT. FINAL LOCATION TO BE DETERMINED AFTER COMMISSIONING BASED ON PERFORMANCE. REFER TO MECHANICAL AND P&ID DRAWINGS FOR FURTHER DETAILS.

1-0650M-E0048-56	ALL CONNECTION DIAGRAMS AND STARTER SCHEMATICS
1-0650M-E0015-17	ALL ELECTRICAL SINGLE LINE DIAGRAMS
1-0650M-A0068-77	ALL AUTOMATION LOOP DRAWINGS

DRAWING NUMBER

REFERENCE DRAWINGS

