

ELECTRICAL GENERAL NOTES

- DRAWINGS ARE DIAGRAMMATIC AND INDICATE GENERAL ARRANGEMENT OF SYSTEMS AND WORK. FOLLOW DRAWINGS IN LAYING OUT WORK AND CHECK DRAWINGS OF OTHER TRADES TO VERIFY SPACE CONDITIONS. MAINTAIN HEADROOM AND SPACE CONDITIONS IN ALL CASES.
- THE CONTRACTOR SHALL BRING ANY CONFLICTS IN THE DRAWINGS TO THE ATTENTION OF THE ENGINEER DURING THE BIDDING PROCESS. IF NOT BROUGHT UP TO THE ENGINEER DURING THE BIDDING PROCESS THE MORE EXPENSIVE OPTION SHALL BE CHOSEN FOR BIDDING PURPOSES.
- PASS RACEWAYS OVER WATER, STEAM OR OTHER PIPING WHEN PULL BOXES ARE NOT REQUIRED. NO TRACWAY SHALL BE INSTALLED WITHIN 6" OF STEAM OR HOT WATER PIPES OR APPLIANCES (EXCEPT PIPE CROSSINGS WHERE RACEWAY SHALL BE AT LEAST 3" FROM PIPE COVERS).
- CUT CONDUIT ENDS SQUARE, REAM SMOOTH. PAINT WELD THREAD OF FIELD THREADED RACEWAYS WITH GRAPITE BASE PIPE COMPOUND. DRAW UP TIGHT WITH RACEWAY COUPLING.
- HORIZONTAL OR CROSS RUNS IN PARTITIONS AND WALLS ARE NOT PERMITTED.
- DO NOT RUN CONDUIT IN PRECAST ROOF SLABS, IN 2" SLABS OR IN TERRAZZO FLOOR FINISH.
- LEAVE WIRES WITH SUFFICIENT SLACK TO PERMIT FINAL CONNECTIONS.
- PROVIDE 1/2" ON FISH WIRE IN ALL EMPTY RACEWAYS OVER 10' LONG.
- PROVIDE PULL BOXES EVERY 100' AND WHEREVER REQUIRED BY CODE FOR ALL EMPTY RACEWAY RUNS. COORDINATE PULLBOX LOCATIONS WITH OTHER TRADES IN FIELD.
- VERIFY LOCATIONS OF OUTLETS AND SWITCHES IN FINISHED ROOMS WITH ARCHITECTURAL DRAWINGS OF INTERIOR DETAILS AND FINISH. IN CENTERS OF OUTLETS AND LOCATING BOXES AND OUTLETS, ALLOW FOR OVERHEAD PIPES, DUCTS AND MECHANICAL EQUIPMENT. VARIATIONS IN FIREPROOFING AND PLASTERING, WINDOW AND DOOR TRIM, PANELING, HUNG CEILINGS AND THE LIKE, CORRECT ANY INACCURACY RESULTING FROM FAILURE TO DO SO WITHOUT EXPENSE TO OWNER.
- LOCATIONS INDICATED FOR LOCAL WALL SWITCHES ARE SUBJECT TO MODIFICATIONS AT OR NEAR DOORS. COORDINATE WITH ARCHITECT AND INSTALL SWITCH ON SIDE OPPOSITE HINGE. VERIFY FINAL HINGE LOCATIONS IN FIELD PRIOR TO SWITCH OUTLET INSTALLATION.
- COVERS OF JUNCTION AND PULLBOXES SHALL BE READILY ACCESSIBLE.
- PROVIDE PULLBOXES WHERE INDICATED. WHERE REQUIRED BY CODE AND WHEREVER NECESSARY TO FACILITATE PULLING OF WIRE, COORDINATE PULLBOX LOCATIONS WITH OTHER TRADES.
- GENERALLY, DO NOT LOCATE JUNCTION AND PULL BOXES EXPOSED IN FINISHED SPACES. WHERE NECESSARY, RELOCATE RACEWAYS OR MAKE OTHER ARRANGEMENTS FOR CONCEALMENT.
- SUPPORT PANEL, JUNCTION AND PULLBOXES INDEPENDENTLY TO BUILDING STRUCTURE, WITH NO WEIGHT BEARING ON RACEWAYS.
- EC IS RESPONSIBLE TO PROVIDE ACCESS PANELS FOR ANY CONCEALED ELECTRICAL WORK THAT MUST BE ACCESSIBLE EITHER BY CODE OR AS INDICATED IN THE DOCUMENTS. ALL ACCESS DOOR LOCATIONS SHALL BE REVIEWED AND APPROVED BY ARCHITECT PRIOR TO INSTALLATION OF DEVICE REQUIRING THE ACCESS PANEL. ALL ACCESS DOORS MUST MATCH THE FIRE RATING AND CONSTRUCTION TYPE OF THE CEILING OR WALL PENETRATION AS DESIGNATED ON THE ARCHITECTURAL DRAWINGS.
- ALL ELECTRICAL EQUIPMENT INCLUDING BUT NOT LIMITED TO RACEWAYS, PULLBOXES, LUMINAIRES ETC. SHALL BE HUNG FROM THE TOP CORD OR THE TOP OF A STEEL I BEAM ONLY IN A STEEL STRUCTURE BUILDING.
- CONNECT CONDUIT TO MOTOR CONDUIT TERMINAL BOXES WITH FLEXIBLE CONDUIT (MINIMUM 18" AND 50% SLACK). DO NOT TERMINATE IN OR FASTEN RACEWAYS TO MOTOR FOUNDATION.
- PROVIDE 3/14" INDICATING PILOT LIGHT WIRES FROM PILOT LIGHT IN CONTROLLER TO LOAD SIDE OF DISCONNECT SWITCH. RUN WIRES IN BRANCH CIRCUIT CONDUIT AND INCREASE CONDUIT SIZE AS REQUIRED.
- PULL NO THERMOPLASTIC WIRES AT TEMPERATURES BELOW 32°F. PROVIDE CABLE SUPPORTS FOR WIRE.
- IN RISER CONDUITS AS REQUIRED BY CODE. PROVIDE SEPARATE RACEWAYS FOR CONDUCTORS OF NORMAL AND EMERGENCY CIRCUITS. WHERE COMMON BOXES ARE USED, PROVIDE BARRIERS BETWEEN NORMAL AND EMERGENCY WIRING.
- PROVIDE SEPARATE RACEWAYS FOR CONDUCTORS OF NORMAL AND EMERGENCY CIRCUITS. WHERE COMMON BOXES ARE USED, PROVIDE BARRIERS BETWEEN NORMAL AND EMERGENCY WIRING.

GENERAL NOTES

THE CONTRACTOR SHALL CONFORM TO THE LATEST BUILDING CODES.

2018 NEW JERSEY INTERNATIONAL BUILDING CODE

NEC 2017 WITH NEW JERSEY AMENDMENTS

APPLICABLE CODES

NEC 110-16

ALL SWITCHBOARDS (EACH SECTION), PANELBOARDS, ENCLOSED BREAKERS/SWITCHES, AT'SS, TRANSFORMERS, MOTOR STARTES, CONTRACTORS, INDUSTRIAL CONTROL PANELS, AND MOTOR CONTROL CENTERS SHALL BE FIELD MARKED TO WARN QUALIFIED PERSONS OF POTENTIAL ELECTRIC ARC FLASH HAZARDS. THE MARKING SHALL BE LOCATED IN A CLEARLY VISIBLE LOCATION TO QUALIFIED PERSON BEFORE EXAMINATION, ADJUSTMENT, SERVICING, OR MAINTENANCE OF THE EQUIPMENT.

POWER DEVICES

- Ⓛ SIMPLEX RECEPTACLE
- Ⓛ DUPLEX RECEPTACLE
- Ⓛ CEILING MOUNTED RECEPTACLE
- Ⓛ GFCI TYPE RECEPTACLE
- Ⓛ QUAD RECEPTACLE
- Ⓛ FLOOR MOUNTED RECEPTACLE
- Ⓛ SPECIAL PURPOSE RECEPTACLE MATCH EQUIPMENT SERVED
- Ⓛ TAMPERPROOF DUPLEX RECEPTACLE
- Ⓛ EXPLOSION PROOF RECEPTACLE
- Ⓛ ISOLATED GROUND RECEPTACLE
- Ⓛ SIMPLEX ISOLATED GROUND RECEPTACLE
- Ⓛ FLOOR OUTLET, PROVIDE DEVICE AS SHOWN ON DRAWINGS.
- Ⓛ FLOOR OUTLET WITH STUB UP, PROVIDE DEVICE AS SHOWN ON DRAWINGS.
- Ⓛ FIRE RATED FLOOR OUTLET, PROVIDE DEVICE AS SHOWN ON DRAWINGS.
- Ⓛ INDICATES CIRCUIT NUMBER
- Ⓛ INDICATES DEVICE HAS A WEATHER-PROOF WHILE IN USE COVER.
- Ⓛ INDICATES DEVICE IS MOUNTED ABOVE THE COUNTER.
- Ⓛ ENCLOSED CIRCUIT BREAKER
- Ⓛ UNFUSED DISCONNECT SWITCH 30A/3P
- Ⓛ FUSED DISCONNECT SWITCH 30A/30A/3P
- Ⓛ INDICATES SIZE NUMBER OF POLES OR SIZE PER CIRCUIT SIZE
- Ⓛ INDICATES SWITCH SIZE/FUSE SIZE/NUMBER OF POLES OR SIZE PER CIRCUIT SIZE
- Ⓛ MOTOR STARTER
- Ⓛ MOTOR STARTER WITH CIRCUIT BREAKER
- Ⓛ MOTOR STARTER WITH NON-FUSED DISCONNECT SWITCH
- Ⓛ MOTOR STARTER WITH FUSED DISCONNECT SWITCH
- Ⓛ DISCONNECT SWITCH BY HVAC CONTRACTOR
- Ⓛ MOTOR
- Ⓛ EMERGENCY POWER OFF SWITCH
- Ⓛ MOTOR RATED SWITCH WITH THERMAL OVERLOADS
- Ⓛ CEILING MOUNTED DOWR CORD, PROVIDE DEVICE AS SHOWN ON THE PLANS.

POWER DEVICES

- Ⓛ CONCEALED JUNCTION BOX
- Ⓛ SURFACE MOUNTED JUNCTION BOX
- Ⓛ 208V PANEL, U.O.N.
- Ⓛ 480V PANEL, U.O.N.
- Ⓛ SYSTEM PANEL
FA = FIRE ALARM
SEC = SECURITY
LIGHT = LIGHTING CONTROL
- Ⓛ GROUND
- Ⓛ TYPICAL LUMINAIRE, REFER TO THE LUMINAIRE OR LIGHTING SCHEDULE FOR ADDITIONAL INFORMATION.
- Ⓛ LOWER CASE LETTER INDICATES LOCAL SWITCH DESIGNATION.
- Ⓛ CIRCUIT NUMBER, REFER TO THE PANELSCHEDULES FOR ADDITIONAL INFORMATION.
- Ⓛ PANEL ID(NAME) UNLESS OTHERWISE NOTED.
- Ⓛ SERVICE LIGHT LUMINAIRE
- Ⓛ SINGLE DOOR HOLDERS
- Ⓛ DOUBLE DOOR HOLDERS
- Ⓛ FIRE ALARM BELL:
SS = SINGLE STROKE
T = TRIUBLE
V = VIBRATING
G = GONG
- Ⓛ FIRE ALARM STROBE UNLESS OTHERWISE NOTED, ALL STROBES SHALL BE 1500(CANDELLA) TYPE.
- Ⓛ C - CEILING MOUNTED. TYPICAL ALL FIRE ALARM DEVICES.
- Ⓛ FIRE ALARM CHIME - ELECTRONIC TYPE
- Ⓛ FIRE ALARM HORN
- Ⓛ FIRE ALARM MINI HORN
- Ⓛ FIRE ALARM HORNSTROBE UNLESS OTHERWISE NOTED, ALL STROBES SHALL BE 1500(CANDELLA) TYPE.

LUMINAIRES

- Ⓛ REMOTE TEST SWITCH - LOCATE IN CEILING SPACE BELOW HVAC UNIT.
- Ⓛ FIRE SMOKE DETECTOR:
PE = PHOTOELECTRIC TYPE
IO = IONIZATION TYPE
ID = IN DUCT
AS = AIR SAMPLING
R = RELAY BASE
- Ⓛ GAS DETECTION DEVICE:
CO2 = CARBON DIOXIDE DETECTOR
CO = CARBON MONOXIDE DETECTOR
HOL = HYDROGEN CHLORIDE DETECTOR
CH4 = METHANE DETECTOR
* DETECTORS SHALL HAVE A SOUNDER BASE WITH DISTINCT AND SEPARATE SOUND FROM MAIN SYSTEM
- Ⓛ HEAT DETECTION DEVICE:
RF = COMBINATION RATE OF RISE/FIXED TEMPERATURE
F = FIXED TEMPERATURE
RC = RATE COMPENSATION
R = RATE OF RISE ONLY
** UNLESS OTHERWISE NOTED TEMPERATURE RATINGS SHALL BE 135 DEGREES FAHRENHEIT.
- Ⓛ ADDRESSABLE INPUT MONITOR MODULE
- Ⓛ ADDRESSABLE INPUT MONITOR MODULE, # DENOTES NUMBER OF INPUTS AND OUTPUTS
- Ⓛ ADDRESSABLE OUTPUT CONTROL MODULE
- Ⓛ INTERFACE AND SUPERVISORY DEVICE:
WF = FLOW DETECTOR/SWITCH
HT = HIGH TEMPERATURE SWITCH
LS = LEVEL DETECTOR/SWITCH
LT = LOW TEMPERATURE SWITCH
PS = PRESSURE DETECTOR SWITCH
VS = VALVE SUPERVISORY SWITCH

FIRE ALARM DEVICES

- Ⓛ REMOTE TEST SWITCH - LOCATE IN CEILING SPACE BELOW HVAC UNIT.
- Ⓛ FIRE SMOKE DETECTOR:
PE = PHOTOELECTRIC TYPE
IO = IONIZATION TYPE
ID = IN DUCT
AS = AIR SAMPLING
R = RELAY BASE
- Ⓛ GAS DETECTION DEVICE:
CO2 = CARBON DIOXIDE DETECTOR
CO = CARBON MONOXIDE DETECTOR
HOL = HYDROGEN CHLORIDE DETECTOR
CH4 = METHANE DETECTOR
* DETECTORS SHALL HAVE A SOUNDER BASE WITH DISTINCT AND SEPARATE SOUND FROM MAIN SYSTEM
- Ⓛ HEAT DETECTION DEVICE:
RF = COMBINATION RATE OF RISE/FIXED TEMPERATURE
F = FIXED TEMPERATURE
RC = RATE COMPENSATION
R = RATE OF RISE ONLY
** UNLESS OTHERWISE NOTED TEMPERATURE RATINGS SHALL BE 135 DEGREES FAHRENHEIT.
- Ⓛ ADDRESSABLE INPUT MONITOR MODULE
- Ⓛ ADDRESSABLE INPUT MONITOR MODULE, # DENOTES NUMBER OF INPUTS AND OUTPUTS
- Ⓛ ADDRESSABLE OUTPUT CONTROL MODULE
- Ⓛ INTERFACE AND SUPERVISORY DEVICE:
WF = FLOW DETECTOR/SWITCH
HT = HIGH TEMPERATURE SWITCH
LS = LEVEL DETECTOR/SWITCH
LT = LOW TEMPERATURE SWITCH
PS = PRESSURE DETECTOR SWITCH
VS = VALVE SUPERVISORY SWITCH

FIRE ALARM CONT.

- Ⓛ FIRE ALARM SPEAKER/STROBE UNLESS OTHERWISE NOTED, ALL STROBES SHALL BE 1500(CANDELLA) TYPE UNLESS OTHERWISE NOTED WATTAGE SHALL BE SET AT 1W.
- Ⓛ FIRE SPEAKER UNLESS OTHERWISE NOTED WATTAGE SHALL BE SET AT 1W.
- Ⓛ FIRE ALARM PULLSTATION
- Ⓛ DUCT DETECTOR - UNLESS COORDINATED DURING BIDDING WITH THE HVAC CONTRACTOR EC AND/OR FIRE ALARM CONTRACTOR SHALL PROVIDE THE TUBES IN THE DUCTWORK FOR THE DETECTOR, PROVIDE COLD WEATHER/WATERPROOF COVER FOR DETECTORS LOCATED OUTSIDE OR IN SPACES LOWER THAN 70 DEGREES FAHRENHEIT.
- Ⓛ REMOTE TEST SWITCH - LOCATE IN CEILING SPACE BELOW HVAC UNIT.
- Ⓛ FIRE SMOKE DETECTOR:
PE = PHOTOELECTRIC TYPE
IO = IONIZATION TYPE
ID = IN DUCT
AS = AIR SAMPLING
R = RELAY BASE
- Ⓛ GAS DETECTION DEVICE:
CO2 = CARBON DIOXIDE DETECTOR
CO = CARBON MONOXIDE DETECTOR
HOL = HYDROGEN CHLORIDE DETECTOR
CH4 = METHANE DETECTOR
* DETECTORS SHALL HAVE A SOUNDER BASE WITH DISTINCT AND SEPARATE SOUND FROM MAIN SYSTEM
- Ⓛ HEAT DETECTION DEVICE:
RF = COMBINATION RATE OF RISE/FIXED TEMPERATURE
F = FIXED TEMPERATURE
RC = RATE COMPENSATION
R = RATE OF RISE ONLY
** UNLESS OTHERWISE NOTED TEMPERATURE RATINGS SHALL BE 135 DEGREES FAHRENHEIT.
- Ⓛ ADDRESSABLE INPUT MONITOR MODULE
- Ⓛ ADDRESSABLE INPUT MONITOR MODULE, # DENOTES NUMBER OF INPUTS AND OUTPUTS
- Ⓛ ADDRESSABLE OUTPUT CONTROL MODULE
- Ⓛ INTERFACE AND SUPERVISORY DEVICE:
WF = FLOW DETECTOR/SWITCH
HT = HIGH TEMPERATURE SWITCH
LS = LEVEL DETECTOR/SWITCH
LT = LOW TEMPERATURE SWITCH
PS = PRESSURE DETECTOR SWITCH
VS = VALVE SUPERVISORY SWITCH

FIRE ALARM PULLSTATION

- Ⓛ REMOTE TEST SWITCH - LOCATE IN CEILING SPACE BELOW HVAC UNIT.
- Ⓛ FIRE SMOKE DETECTOR:
PE = PHOTOELECTRIC TYPE
IO = IONIZATION TYPE
ID = IN DUCT
AS = AIR SAMPLING
R = RELAY BASE
- Ⓛ GAS DETECTION DEVICE:
CO2 = CARBON DIOXIDE DETECTOR
CO = CARBON MONOXIDE DETECTOR
HOL = HYDROGEN CHLORIDE DETECTOR
CH4 = METHANE DETECTOR
* DETECTORS SHALL HAVE A SOUNDER BASE WITH DISTINCT AND SEPARATE SOUND FROM MAIN SYSTEM
- Ⓛ HEAT DETECTION DEVICE:
RF = COMBINATION RATE OF RISE/FIXED TEMPERATURE
F = FIXED TEMPERATURE
RC = RATE COMPENSATION
R = RATE OF RISE ONLY
** UNLESS OTHERWISE NOTED TEMPERATURE RATINGS SHALL BE 135 DEGREES FAHRENHEIT.
- Ⓛ ADDRESSABLE INPUT MONITOR MODULE
- Ⓛ ADDRESSABLE INPUT MONITOR MODULE, # DENOTES NUMBER OF INPUTS AND OUTPUTS
- Ⓛ ADDRESSABLE OUTPUT CONTROL MODULE
- Ⓛ INTERFACE AND SUPERVISORY DEVICE:
WF = FLOW DETECTOR/SWITCH
HT = HIGH TEMPERATURE SWITCH
LS = LEVEL DETECTOR/SWITCH
LT = LOW TEMPERATURE SWITCH
PS = PRESSURE DETECTOR SWITCH
VS = VALVE SUPERVISORY SWITCH

FIRE ALARM PULLSTATION

- Ⓛ REMOTE TEST SWITCH - LOCATE IN CEILING SPACE BELOW HVAC UNIT.
- Ⓛ FIRE SMOKE DETECTOR:
PE = PHOTOELECTRIC TYPE
IO = IONIZATION TYPE
ID = IN DUCT
AS = AIR SAMPLING
R = RELAY BASE
- Ⓛ GAS DETECTION DEVICE:
CO2 = CARBON DIOXIDE DETECTOR
CO = CARBON MONOXIDE DETECTOR
HOL = HYDROGEN CHLORIDE DETECTOR
CH4 = METHANE DETECTOR
* DETECTORS SHALL HAVE A SOUNDER BASE WITH DISTINCT AND SEPARATE SOUND FROM MAIN SYSTEM
- Ⓛ HEAT DETECTION DEVICE:
RF = COMBINATION RATE OF RISE/FIXED TEMPERATURE
F = FIXED TEMPERATURE
RC = RATE COMPENSATION
R = RATE OF RISE ONLY
** UNLESS OTHERWISE NOTED TEMPERATURE RATINGS SHALL BE 135 DEGREES FAHRENHEIT.
- Ⓛ ADDRESSABLE INPUT MONITOR MODULE
- Ⓛ ADDRESSABLE INPUT MONITOR MODULE, # DENOTES NUMBER OF INPUTS AND OUTPUTS
- Ⓛ ADDRESSABLE OUTPUT CONTROL MODULE
- Ⓛ INTERFACE AND SUPERVISORY DEVICE:
WF = FLOW DETECTOR/SWITCH
HT = HIGH TEMPERATURE SWITCH
LS = LEVEL DETECTOR/SWITCH
LT = LOW TEMPERATURE SWITCH
PS = PRESSURE DETECTOR SWITCH
VS = VALVE SUPERVISORY SWITCH

FIRE ALARM PULLSTATION

- Ⓛ REMOTE TEST SWITCH - LOCATE IN CEILING SPACE BELOW HVAC UNIT.
- Ⓛ FIRE SMOKE DETECTOR:
PE = PHOTOELECTRIC TYPE
IO = IONIZATION TYPE
ID = IN DUCT
AS = AIR SAMPLING
R = RELAY BASE
- Ⓛ GAS DETECTION DEVICE:
CO2 = CARBON DIOXIDE DETECTOR
CO = CARBON MONOXIDE DETECTOR
HOL = HYDROGEN CHLORIDE DETECTOR
CH4 = METHANE DETECTOR
* DETECTORS SHALL HAVE A SOUNDER BASE WITH DISTINCT AND SEPARATE SOUND FROM MAIN SYSTEM
- Ⓛ HEAT DETECTION DEVICE:
RF = COMBINATION RATE OF RISE/FIXED TEMPERATURE
F = FIXED TEMPERATURE
RC = RATE COMPENSATION
R = RATE OF RISE ONLY
** UNLESS OTHERWISE NOTED TEMPERATURE RATINGS SHALL BE 135 DEGREES FAHRENHEIT.
- Ⓛ ADDRESSABLE INPUT MONITOR MODULE
- Ⓛ ADDRESSABLE INPUT MONITOR MODULE, # DENOTES NUMBER OF INPUTS AND OUTPUTS
- Ⓛ ADDRESSABLE OUTPUT CONTROL MODULE
- Ⓛ INTERFACE AND SUPERVISORY DEVICE:
WF = FLOW DETECTOR/SWITCH
HT = HIGH TEMPERATURE SWITCH
LS = LEVEL DETECTOR/SWITCH
LT = LOW TEMPERATURE SWITCH
PS = PRESSURE DETECTOR SWITCH
VS = VALVE SUPERVISORY SWITCH

FIRE ALARM PULLSTATION

- Ⓛ REMOTE TEST SWITCH - LOCATE IN CEILING SPACE BELOW HVAC UNIT.
- Ⓛ FIRE SMOKE DETECTOR:
PE = PHOTOELECTRIC TYPE
IO = IONIZATION TYPE
ID = IN DUCT
AS = AIR SAMPLING
R = RELAY BASE
- Ⓛ GAS DETECTION DEVICE:
CO2 = CARBON DIOXIDE DETECTOR
CO = CARBON MONOXIDE DETECTOR
HOL = HYDROGEN CHLORIDE DETECTOR
CH4 = METHANE DETECTOR
* DETECTORS SHALL HAVE A SOUNDER BASE WITH DISTINCT AND SEPARATE SOUND FROM MAIN SYSTEM
- Ⓛ HEAT DETECTION DEVICE:
RF = COMBINATION RATE OF RISE/FIXED TEMPERATURE
F = FIXED TEMPERATURE
RC = RATE COMPENSATION
R = RATE OF RISE ONLY
** UNLESS OTHERWISE NOTED TEMPERATURE RATINGS SHALL BE 135 DEGREES FAHRENHEIT.
- Ⓛ ADDRESSABLE INPUT MONITOR MODULE
- Ⓛ ADDRESSABLE INPUT MONITOR MODULE, # DENOTES NUMBER OF INPUTS AND OUTPUTS
- Ⓛ ADDRESSABLE OUTPUT CONTROL MODULE
- Ⓛ INTERFACE AND SUPERVISORY DEVICE:
WF = FLOW DETECTOR/SWITCH
HT = HIGH TEMPERATURE SWITCH
LS = LEVEL DETECTOR/SWITCH
LT = LOW TEMPERATURE SWITCH
PS = PRESSURE DETECTOR SWITCH
VS = VALVE SUPERVISORY SWITCH

FIRE ALARM PULLSTATION

- Ⓛ REMOTE TEST SWITCH - LOCATE IN CEILING SPACE BELOW HVAC UNIT.
- Ⓛ FIRE SMOKE DETECTOR:
PE = PHOTOELECTRIC TYPE
IO = IONIZATION TYPE
ID = IN DUCT
AS = AIR SAMPLING
R = RELAY BASE
- Ⓛ GAS DETECTION DEVICE:
CO2 = CARBON DIOXIDE DETECTOR
CO = CARBON MONOXIDE DETECTOR
HOL = HYDROGEN CHLORIDE DETECTOR
CH4 = METHANE DETECTOR
* DETECTORS SHALL HAVE A SOUNDER BASE WITH DISTINCT AND SEPARATE SOUND FROM MAIN SYSTEM
- Ⓛ HEAT DETECTION DEVICE:
RF = COMBINATION RATE OF RISE/FIXED TEMPERATURE
F = FIXED TEMPERATURE
RC = RATE COMPENSATION
R = RATE OF RISE ONLY
** UNLESS OTHERWISE NOTED TEMPERATURE RATINGS SHALL BE 135 DEGREES FAHRENHEIT.
- Ⓛ ADDRESSABLE INPUT MONITOR MODULE
- Ⓛ ADDRESSABLE INPUT MONITOR MODULE, # DENOTES NUMBER OF INPUTS AND OUTPUTS
- Ⓛ ADDRESSABLE OUTPUT CONTROL MODULE
- Ⓛ INTERFACE AND SUPERVISORY DEVICE:
WF = FLOW DETECTOR/SWITCH
HT = HIGH TEMPERATURE SWITCH
LS = LEVEL DETECTOR/SWITCH
LT = LOW TEMPERATURE SWITCH
PS = PRESSURE DETECTOR SWITCH
VS = VALVE SUPERVISORY SWITCH

FIRE ALARM PULLSTATION

- Ⓛ REMOTE TEST SWITCH - LOCATE IN CEILING SPACE BELOW HVAC UNIT.
- Ⓛ FIRE SMOKE DETECTOR:
PE = PHOTOELECTRIC TYPE
IO = IONIZATION TYPE
ID = IN DUCT
AS = AIR SAMPLING
R = RELAY BASE
- Ⓛ GAS DETECTION DEVICE:
CO2 = CARBON DIOXIDE DETECTOR
CO = CARBON MONOXIDE DETECTOR
HOL = HYDROGEN CHLORIDE DETECTOR
CH4 = METHANE DETECTOR
* DETECTORS SHALL HAVE A SOUNDER BASE WITH DISTINCT AND SEPARATE SOUND FROM MAIN SYSTEM
- Ⓛ HEAT DETECTION DEVICE:
RF = COMBINATION RATE OF RISE/FIXED TEMPERATURE
F = FIXED TEMPERATURE
RC = RATE COMPENSATION
R = RATE OF RISE ONLY
** UNLESS OTHERWISE NOTED TEMPERATURE RATINGS SHALL BE 135 DEGREES FAHRENHEIT.
- Ⓛ ADDRESSABLE INPUT MONITOR MODULE
- Ⓛ ADDRESSABLE INPUT MONITOR MODULE, # DENOTES NUMBER OF INPUTS AND OUTPUTS
- Ⓛ ADDRESSABLE OUTPUT CONTROL MODULE
- Ⓛ INTERFACE AND SUPERVISORY DEVICE:
WF = FLOW DETECTOR/SWITCH
HT = HIGH TEMPERATURE SWITCH
LS = LEVEL DETECTOR/SWITCH
LT = LOW TEMPERATURE SWITCH
PS = PRESSURE DETECTOR SWITCH
VS = VALVE SUPERVISORY SWITCH

FIRE ALARM PULLSTATION

- Ⓛ REMOTE TEST SWITCH - LOCATE IN CEILING SPACE BELOW HVAC UNIT.
- Ⓛ FIRE SMOKE DETECTOR:
PE = PHOTOELECTRIC TYPE
IO = IONIZATION TYPE
ID = IN DUCT
AS = AIR SAMPLING
R = RELAY BASE
- Ⓛ GAS DETECTION DEVICE:
CO2 = CARBON DIOXIDE DETECTOR
CO = CARBON MONOXIDE DETECTOR
HOL = HYDROGEN CHLORIDE DETECTOR
CH4 = METHANE DETECTOR
* DETECTORS SHALL HAVE A SOUNDER BASE WITH DISTINCT AND SEPARATE SOUND FROM MAIN SYSTEM
- Ⓛ HEAT DETECTION DEVICE:
RF = COMBINATION RATE OF RISE/FIXED TEMPERATURE
F = FIXED TEMPERATURE
RC = RATE COMPENSATION
R = RATE OF RISE ONLY
** UNLESS OTHERWISE NOTED TEMPERATURE RATINGS SHALL BE 135 DEGREES FAHRENHEIT.
- Ⓛ ADDRESSABLE INPUT MONITOR MODULE
- Ⓛ ADDRESSABLE INPUT MONITOR MODULE, # DENOTES NUMBER OF INPUTS AND OUTPUTS
- Ⓛ ADDRESSABLE OUTPUT CONTROL MODULE
- Ⓛ INTERFACE AND SUPERVISORY DEVICE:
WF = FLOW DETECTOR/SWITCH
HT = HIGH TEMPERATURE SWITCH
LS = LEVEL DETECTOR/SWITCH
LT = LOW TEMPERATURE SWITCH
PS = PRESSURE DETECTOR SWITCH
VS = VALVE SUPERVISORY SWITCH

FIRE ALARM PULLSTATION

- Ⓛ REMOTE TEST SWITCH - LOCATE IN CEILING SPACE BELOW HVAC UNIT.
- Ⓛ FIRE SMOKE DETECTOR:
PE = PHOTOELECTRIC TYPE
IO = IONIZATION TYPE
ID = IN DUCT
AS = AIR SAMPLING
R = RELAY BASE
- Ⓛ GAS DETECTION DEVICE:
CO2 = CARBON DIOXIDE DETECTOR
CO = CARBON MONOXIDE DETECTOR
HOL = HYDROGEN CHLORIDE DETECTOR
CH4 = METHANE DETECTOR
* DETECTORS SHALL HAVE A SOUNDER BASE WITH DISTINCT AND SEPARATE SOUND FROM MAIN SYSTEM
- Ⓛ HEAT DETECTION DEVICE:
RF = COMBINATION RATE OF RISE/FIXED TEMPERATURE
F = FIXED TEMPERATURE
RC = RATE COMPENSATION
R = RATE OF RISE ONLY
** UNLESS OTHERWISE NOTED TEMPERATURE RATINGS SHALL BE 135 DEGREES FAHRENHEIT.
- Ⓛ ADDRESSABLE INPUT MONITOR MODULE
- Ⓛ ADDRESSABLE INPUT MONITOR MODULE, # DENOTES NUMBER OF INPUTS AND OUTPUTS
- Ⓛ ADDRESSABLE OUTPUT CONTROL MODULE
- Ⓛ INTERFACE AND SUPERVISORY DEVICE:
WF = FLOW DETECTOR/SWITCH
HT = HIGH TEMPERATURE SWITCH
LS = LEVEL DETECTOR/SWITCH
LT = LOW TEMPERATURE SWITCH
PS = PRESSURE DETECTOR SWITCH
VS = VALVE SUPERVISORY SWITCH

FIRE ALARM PULLSTATION

- Ⓛ REMOTE TEST SWITCH - LOCATE IN CEILING SPACE BELOW HVAC UNIT.
- Ⓛ FIRE SMOKE DETECTOR:
PE = PHOTOELECTRIC TYPE
IO = IONIZATION TYPE
ID = IN DUCT
AS = AIR SAMPLING
R = RELAY BASE
- Ⓛ GAS DETECTION DEVICE:
CO2 = CARBON DIOXIDE DETECTOR
CO = CARBON MONOXIDE DETECTOR
HOL = HYDROGEN CHLORIDE DETECTOR
CH4 = METHANE DETECTOR
* DETECTORS SHALL HAVE A SOUNDER BASE WITH DISTINCT AND SEPARATE SOUND FROM MAIN SYSTEM
- Ⓛ HEAT DETECTION DEVICE:
RF = COMBINATION RATE OF RISE/FIXED TEMPERATURE
F = FIXED TEMPERATURE
RC = RATE COMPENSATION
R = RATE OF RISE ONLY
** UNLESS OTHERWISE NOTED TEMPERATURE RATINGS SHALL BE 135 DEGREES FAHRENHEIT.
- Ⓛ ADDRESSABLE INPUT MONITOR MODULE
- Ⓛ ADDRESSABLE INPUT MONITOR MODULE, # DENOTES NUMBER OF INPUTS AND OUTPUTS
- Ⓛ ADDRESSABLE OUTPUT CONTROL MODULE
- Ⓛ INTERFACE AND SUPERVISORY DEVICE:
WF = FLOW DETECTOR/SWITCH
HT = HIGH TEMPERATURE SWITCH
LS = LEVEL DETECTOR/SWITCH
LT = LOW TEMPERATURE SWITCH
PS = PRESSURE DETECTOR SWITCH
VS = VALVE SUPERVISORY SWITCH

FIRE ALARM PULLSTATION

- Ⓛ REMOTE TEST SWITCH - LOCATE IN CEILING SPACE BELOW HVAC UNIT.
- Ⓛ FIRE SMOKE DETECTOR:
PE = PHOTOELECTRIC TYPE
IO = IONIZATION TYPE
ID = IN DUCT
AS = AIR SAMPLING
R = RELAY BASE
- Ⓛ GAS DETECTION DEVICE:
CO2 = CARBON DIOXIDE DETECTOR
CO = CARBON MONOXIDE DETECTOR
HOL = HYDROGEN CHLORIDE DETECTOR
CH4 = METHANE DETECTOR
* DETECTORS SHALL HAVE A SOUNDER BASE WITH DISTINCT AND SEPARATE SOUND FROM MAIN SYSTEM
- Ⓛ HEAT DETECTION DEVICE:
RF = COMBINATION RATE OF RISE/FIXED TEMPERATURE
F = FIXED TEMPERATURE
RC = RATE COMPENSATION
R = RATE OF RISE ONLY
** UNLESS OTHERWISE NOTED TEMPERATURE RATINGS SHALL BE 135 DEGREES FAHRENHEIT.
- Ⓛ ADDRESSABLE INPUT MONITOR MODULE
- Ⓛ ADDRESSABLE INPUT MONITOR MODULE, # DENOTES NUMBER OF INPUTS AND OUTPUTS
- Ⓛ ADDRESSABLE OUTPUT CONTROL MODULE
- Ⓛ INTERFACE AND SUPERVISORY DEVICE:
WF = FLOW DETECTOR/SWITCH
HT = HIGH TEMPERATURE SWITCH
LS = LEVEL DETECTOR/SWITCH
LT = LOW TEMPERATURE SWITCH
PS = PRESSURE DETECTOR SWITCH
VS = VALVE SUPERVISORY SWITCH

FIRE ALARM PULLSTATION

- Ⓛ REMOTE TEST SWITCH - LOCATE IN CEILING SPACE BELOW HVAC UNIT.
- Ⓛ FIRE SMOKE DETECTOR:
PE = PHOTOELECTRIC TYPE
IO = IONIZATION TYPE
ID = IN DUCT
AS = AIR SAMPLING
R = RELAY BASE
- Ⓛ GAS DETECTION DEVICE:
CO2 = CARBON DIOXIDE DETECTOR
CO = CARBON MONOXIDE DETECTOR
HOL = HYDROGEN CHLORIDE DETECTOR
CH4 = METHANE DETECTOR
* DETECTORS SHALL HAVE A SOUNDER BASE WITH DISTINCT AND SEPARATE SOUND FROM MAIN SYSTEM
- Ⓛ HEAT DETECTION DEVICE:
RF = COMBINATION RATE OF RISE/FIXED TEMPERATURE
F = FIXED TEMPERATURE
RC = RATE COMPENSATION
R = RATE OF RISE ONLY
** UNLESS OTHERWISE NOTED TEMPERATURE RATINGS SHALL BE 135 DEGREES FAHRENHEIT.
- Ⓛ ADDRESSABLE INPUT MONITOR MODULE
- Ⓛ ADDRESSABLE INPUT MONITOR MODULE, # DENOTES NUMBER OF INPUTS AND OUTPUTS
- Ⓛ ADDRESSABLE OUTPUT CONTROL MODULE
- Ⓛ INTERFACE AND SUPERVISORY DEVICE:
WF = FLOW DETECTOR/SWITCH
HT = HIGH TEMPERATURE SWITCH
LS = LEVEL DETECTOR/SWITCH
LT = LOW TEMPERATURE SWITCH
PS = PRESSURE DETECTOR SWITCH
VS = VALVE SUPERVISORY SWITCH

FIRE ALARM PULLSTATION

- Ⓛ REMOTE TEST SWITCH - LOCATE IN CEILING SPACE BELOW HVAC UNIT.
- Ⓛ FIRE SMOKE DETECTOR:
PE = PHOTOELECTRIC TYPE
IO = IONIZATION TYPE
ID = IN DUCT
AS = AIR SAMPLING
R = RELAY BASE
- Ⓛ GAS DETECTION DEVICE:
CO2 = CARBON DIOXIDE DETECTOR
CO = CARBON MONOXIDE DETECTOR
HOL = HYDROGEN CHLORIDE DETECTOR
CH4 = METHANE DETECTOR
* DETECTORS SHALL HAVE A SOUNDER BASE WITH DISTINCT AND SEPARATE SOUND FROM MAIN SYSTEM
- Ⓛ HEAT DETECTION DEVICE:
RF = COMBINATION RATE OF RISE/FIXED TEMPERATURE
F = FIXED TEMPERATURE
RC = RATE COMPENSATION
R = RATE OF RISE ONLY
** UNLESS OTHERWISE NOTED TEMPERATURE RATINGS SHALL BE 135 DEGREES FAHRENHEIT.
- Ⓛ ADDRESSABLE INPUT MONITOR MODULE
- Ⓛ ADDRESSABLE INPUT MONITOR MODULE, # DENOTES NUMBER OF INPUTS AND OUTPUTS
- Ⓛ ADDRESSABLE OUTPUT CONTROL MODULE
- Ⓛ INTERFACE AND SUPERVISORY DEVICE:
WF = FLOW DETECTOR/SWITCH
HT = HIGH TEMPERATURE SWITCH
LS = LEVEL DETECTOR/SWITCH
LT = LOW TEMPERATURE SWITCH
PS = PRESSURE DETECTOR SWITCH
VS = VALVE SUPERVISORY SWITCH

FIRE ALARM PULLSTATION

- Ⓛ REMOTE TEST SWITCH - LOCATE IN CEILING SPACE BELOW HVAC UNIT.
- Ⓛ FIRE SMOKE DETECTOR:
PE = PHOTOELECTRIC TYPE
IO = IONIZATION TYPE
ID = IN DUCT
AS = AIR SAMPLING
R = RELAY BASE
- Ⓛ GAS DETECTION DEVICE:
CO2 = CARBON DIOXIDE DETECTOR
CO = CARBON MONOXIDE DETECTOR
HOL = HYDROGEN CHLORIDE DETECTOR
CH4 = METHANE DETECTOR
* DETECTORS SHALL HAVE A SOUNDER BASE WITH DISTINCT AND SEPARATE SOUND FROM MAIN SYSTEM
- Ⓛ HEAT DETECTION DEVICE:
RF = COMBINATION RATE OF RISE/FIXED TEMPERATURE
F = FIXED TEMPERATURE
RC = RATE COMPENSATION
R = RATE OF RISE ONLY
** UNLESS OTHERWISE NOTED TEMPERATURE RATINGS SHALL BE 135 DEGREES FAHRENHEIT.
- Ⓛ ADDRESSABLE INPUT MONITOR MODULE
- Ⓛ ADDRESSABLE INPUT MONITOR MODULE, # DENOTES NUMBER OF INPUTS AND OUTPUTS
- Ⓛ ADDRESSABLE OUTPUT CONTROL MODULE
- Ⓛ INTERFACE AND SUPERVISORY DEVICE:
WF = FLOW DETECTOR/SWITCH
HT = HIGH TEMPERATURE SWITCH
LS = LEVEL DETECTOR/SWITCH
LT = LOW TEMPERATURE SWITCH
PS = PRESSURE DETECTOR SWITCH
VS = VALVE SUPERVISORY SWITCH

FIRE ALARM PULLSTATION

- Ⓛ REMOTE TEST SWITCH - LOCATE IN CEILING SPACE BELOW HVAC UNIT.
- Ⓛ FIRE SMOKE DETECTOR:
PE = PHOTOELECTRIC TYPE
IO = IONIZATION TYPE
ID = IN DUCT
AS = AIR SAMPLING
R = RELAY BASE
- Ⓛ GAS DETECTION DEVICE:
CO2 = CARBON DIOXIDE DETECTOR
CO = CARBON MONOXIDE DETECTOR
HOL = HYDROGEN CHLORIDE DETECTOR
CH4 = METHANE DETECTOR
* DETECTORS SHALL HAVE A SOUNDER BASE WITH DISTINCT AND SEPARATE SOUND FROM MAIN SYSTEM
- Ⓛ HEAT DETECTION DEVICE:
RF = COMBINATION RATE OF RISE/FIXED TEMPERATURE
F = FIXED TEMPERATURE
RC = RATE COMPENSATION
R = RATE OF RISE ONLY
** UNLESS OTHERWISE NOTED TEMPERATURE RATINGS SHALL BE 135 DEGREES FAHRENHEIT.
- Ⓛ ADDRESSABLE INPUT MONITOR MODULE
- Ⓛ ADDRESSABLE INPUT MONITOR MODULE, # DENOTES NUMBER OF INPUTS AND OUTPUTS
- Ⓛ ADDRESSABLE OUTPUT CONTROL MODULE
- Ⓛ INTERFACE AND SUPERVISORY DEVICE:
WF = FLOW DETECTOR/SWITCH
HT = HIGH TEMPERATURE SWITCH
LS = LEVEL DETECTOR/SWITCH
LT = LOW TEMPERATURE SWITCH
PS = PRESSURE DETECTOR SWITCH
VS = VALVE SUPERVISORY SWITCH

FIRE ALARM PULLSTATION

- Ⓛ REMOTE TEST SWITCH - LOCATE IN CEILING SPACE BELOW HVAC UNIT.
- Ⓛ FIRE SMOKE DETECTOR:
PE = PHOTOELECTRIC TYPE
IO = IONIZATION TYPE
ID = IN DUCT
AS = AIR SAMPLING
R = RELAY BASE
- Ⓛ GAS DETECTION DEVICE:
CO2 = CARBON DIOXIDE DETECTOR
CO = CARBON MONOXIDE DETECTOR
HOL = HYDROGEN CHLORIDE DETECTOR
CH4 = METHANE DETECTOR
* DETECTORS SHALL HAVE A SOUNDER BASE WITH DISTINCT AND SEPARATE SOUND FROM MAIN SYSTEM
- Ⓛ HEAT DETECTION DEVICE:
RF = COMBINATION RATE OF RISE/FIXED TEMPERATURE
F = FIXED TEMPERATURE
RC = RATE COMPENSATION
R = RATE OF RISE ONLY
** UNLESS OTHERWISE NOTED TEMPERATURE RATINGS SHALL BE 135 DEGREES FAHRENHEIT.
- Ⓛ ADDRESSABLE INPUT MONITOR MODULE
- Ⓛ ADDRESSABLE INPUT MONITOR MODULE, # DENOTES NUMBER OF INPUTS AND OUTPUTS
- Ⓛ ADDRESSABLE OUTPUT CONTROL MODULE
- Ⓛ INTERFACE AND SUPERVISORY DEVICE:
WF = FLOW DETECTOR/SWITCH
HT = HIGH TEMPERATURE SWITCH
LS = LEVEL DETECTOR/SWITCH
LT = LOW TEMPERATURE SWITCH
PS = PRESSURE DETECTOR SWITCH
VS = VALVE SUPERVISORY SWITCH

FIRE ALARM PULLSTATION

- Ⓛ REMOTE TEST SWITCH - LOCATE IN CEILING SPACE BELOW HVAC UNIT.
- Ⓛ FIRE SMOKE DETECTOR:
PE = PHOTOELECTRIC TYPE
IO = IONIZATION TYPE
ID = IN DUCT
AS = AIR SAMPLING
R = RELAY BASE
- Ⓛ GAS DETECTION DEVICE:
CO2 = CARBON DIOXIDE DETECTOR
CO = CARBON MONOXIDE DETECTOR
HOL = HYDROGEN CHLORIDE DETECTOR
CH4 = METHANE DETECTOR
* DETECTORS SHALL HAVE A SOUNDER BASE WITH DISTINCT AND SEPARATE SOUND FROM MAIN SYSTEM
- Ⓛ HEAT DETECTION DEVICE:
RF = COMBINATION RATE OF RISE/FIXED TEMPERATURE
F = FIXED TEMPERATURE
RC = RATE COMPENSATION
R = RATE OF RISE ONLY
** UNLESS OTHERWISE NOTED TEMPERATURE RATINGS SHALL BE 135 DEGREES FAHRENHEIT.
- Ⓛ ADDRESSABLE INPUT MONITOR MODULE
- Ⓛ ADDRESSABLE INPUT MONITOR MODULE, # DENOTES NUMBER OF INPUTS AND OUTPUTS
- Ⓛ ADDRESSABLE OUTPUT CONTROL MODULE
- Ⓛ INTERFACE AND SUPERVISORY DEVICE:
WF = FLOW DETECTOR/SWITCH
HT = HIGH TEMPERATURE SWITCH
LS = LEVEL DETECTOR/SWITCH
LT = LOW TEMPERATURE SWITCH
PS = PRESSURE DETECTOR SWITCH
VS = VALVE SUPERVISORY SWITCH

FIRE ALARM PULLSTATION

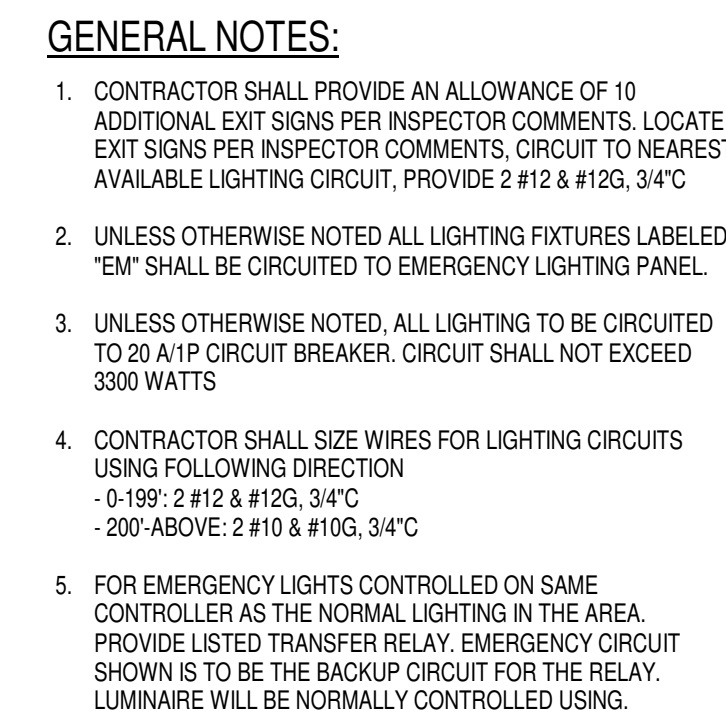
- Ⓛ REMOTE TEST SWITCH - LOCATE IN CEILING SPACE BELOW HVAC UNIT.
- Ⓛ FIRE SMOKE DETECTOR:
PE = PHOTOELECTRIC TYPE
IO = IONIZATION TYPE
ID = IN DUCT
AS = AIR SAMPLING
R = RELAY BASE
- Ⓛ GAS DETECTION DEVICE:
CO2 = CARBON DIOXIDE DETECTOR
CO = CARBON MONOXIDE DETECTOR
HOL = HYDROGEN CHLORIDE DETECTOR
CH4 = METHANE DETECTOR
* DETECTORS SHALL HAVE A SOUNDER BASE WITH DISTINCT AND SEPARATE SOUND FROM MAIN SYSTEM
- Ⓛ HEAT DETECTION DEVICE:
RF = COMBINATION RATE OF RISE/FIXED TEMPERATURE
F = FIXED TEMPERATURE
RC = RATE COMPENSATION
R = RATE OF RISE ONLY
** UNLESS OTHERWISE NOTED TEMPERATURE RATINGS SHALL BE 135 DEGREES FAHRENHEIT.
- Ⓛ ADDRESSABLE INPUT MONITOR MODULE
- Ⓛ ADDRESSABLE INPUT MONITOR MODULE, # DENOTES NUMBER OF INPUTS AND OUTPUTS
- Ⓛ ADDRESSABLE OUTPUT CONTROL MODULE
- Ⓛ INTERFACE AND SUPERVISORY DEVICE:
WF = FLOW DETECTOR/SWITCH
HT = HIGH TEMPERATURE SWITCH
LS = LEVEL DETECTOR/SWITCH
LT = LOW TEMPERATURE SWITCH
PS = PRESSURE DETECTOR SWITCH
VS = VALVE SUPERVISORY SWITCH

FIRE ALARM PULLSTATION

- Ⓛ REMOTE TEST SWITCH - LOCATE IN CEILING SPACE BELOW HVAC UNIT.
- Ⓛ FIRE SMOKE DETECTOR:
PE = PHOTOELECTRIC TYPE
IO = IONIZATION TYPE
ID = IN DUCT
AS = AIR SAMPLING
R = RELAY BASE
- Ⓛ GAS DETECTION DEVICE:
CO2 = CARBON DIOXIDE DETECTOR
CO = CARBON MONOXIDE DETECTOR
HOL = HYDROGEN CHLORIDE DETECTOR
CH4 = METHANE DETECTOR
* DETECTORS SHALL HAVE A SOUNDER BASE WITH DISTINCT AND SEPARATE SOUND FROM MAIN SYSTEM
- Ⓛ HEAT DETECTION DEVICE:
RF = COMBINATION RATE OF RISE/FIXED TEMPERATURE
F = FIXED TEMPERATURE
RC = RATE COMPENSATION
R = RATE OF RISE ONLY
** UNLESS OTHERWISE NOTED TEMPERATURE RATINGS SHALL BE 135 DEGREES FAHRENHEIT.
- Ⓛ ADDRESSABLE INPUT MONITOR MODULE
- Ⓛ ADDRESSABLE INPUT MONITOR MODULE, # DENOTES NUMBER OF INPUTS AND OUTPUTS
- Ⓛ ADDRESSABLE OUTPUT CONTROL MODULE
- Ⓛ INTERFACE AND SUPERVISORY DEVICE:
WF = FLOW DETECTOR/SWITCH
HT = HIGH TEMPERATURE SWITCH
LS = LEVEL DETECTOR/SWITCH
LT = LOW TEMPERATURE SWITCH
PS = PRESSURE DETECTOR SWITCH
VS = VALVE SUPERVISORY SWITCH

FIRE ALARM PULLSTATION

- Ⓛ REMOTE TEST SWITCH - LOCATE IN CEILING SPACE BELOW HVAC UNIT.
- Ⓛ FIRE SMOKE DETECTOR:
PE = PHOTOELECTRIC TYPE
IO = ION



UNLESS OTHERWISE
NOTED, ALL EMERGENCY
LIGHTING IN AREA TO BE
CIRCUITED TO EMLP2

UNLESS OTHERWISE
NOTED, ALL LIGHTING IN
AREA TO BE CIRCUITED T
LP2

ELECTRICAL LIGHTING FIXTURES					
Type	Mark	MANUFACTURER	Model	VOLTAGE	WATTAGE
A	ALM LIGHTING	AL-1862 P-48 MD-840 LI-840 U-S-SW-54-19-XX		277	105 VA
A	ALM LIGHTING	AL-1862 P-24 MD-840 LI-840 U-S-SW-54-19-XX		277	105 VA
C	ELITE	4-OWLED-7000L-DIM1-MVOLT-40K-85		277	58 VA
D	ZANIBONI LIGHTING	P0 T1 136 03 40 B 3 N BK ZD DW 02		277	3 VA
E	BOLD LIGHTING	PNF-NIC U-T1-H 940-W-X-X-1		277	13 VA
F	ELITE	24-FR-BLLED-3000L-4000L-5000L-DIM10-MVOLT-35K-40K-50K-85(5000L)		277	49 VA
F	ELITE LIGHTING	22-FR-BLLED-4000L-5000L-6000L-DIM10-120-347V-35K-40K-50K-85(5000L)		277	49 VA
H	LUX DYNAMICS	LUX10-K10P-E-5-DA-03K-840-2-U10-CA2		277	78 VA
J	ELITE	HD18-BLLED-10000L-DIM10-MVOLT-40K-85		277	71 VA
K	ELITE LIGHTING	24-FR-BLLED-3000L-4000L-5000L-DIM10-MVOLT-35K-40K-50K-85(4000L)		277	39 VA
L	ELITE LIGHTING	24-FR-BLLED-6000L-7000L-8000L-DIM10-120-347V-35K-40K-50K-85(8000L)		277	55 VA
M	ELITE LIGHTING	24-FR-BLLED-6000L-7000L-8000L-DIM10-120-347V-35K-40K-50K-85(8000L)		277	55 VA
N	ELITE LIGHTING	24-FR-BLLED-6000L-7000L-8000L-DIM10-120-347V-35K-40K-50K-85(8000L)		277	53 VA
O	BOLD LIGHTING	CR6-4-NIC U-T-S-940-MW-WF-11		277	17 VA
P	ORACLE LIGHTING	OWP-FC-104-LED-1600L-MVOLT-40K-85		277	17 VA
Q	ELITE	24-OWHP-LED-10000L-DIM10-MVOLT-40K-85		277	83 VA
Q	ELITE LIGHTING	22-FR-BLLED-4000L-5000L-6000L-DIM10-120-347V-35K-40K-50K-85(4000L)		277	78 VA
S	ELITE	LUX10-K10P-E-5-DA-03K-840-2-U10-CA2		277	83 VA
T	LUX DYNAMICS	LUX10-K10P-E-5-DA-03K-840-2-U10-CA2		277	117 VA
U	PRUDENTIAL LIGHTING	STOV-LED4-HO-D1-SG		277	62 VA
V	ELITE	HD18-BLLED-20000L-DIM10-MVOLT-40K-85		277	212 VA
V	ELITE	HD18-BLLED-20000L-DIM10-MVOLT-40K-85		277	178 VA
X1	TO MATCH DESCRIPTION	EDGE LT RED LED EXT SIGN, FACES AND ARROWS AS INDICATED		277	5 VA
X2	TO MATCH DESCRIPTION	THERMOPLASTIC IP65 RED LED EXT SIGN, FACES AND ARROWS AS INDICATED		277	5 VA
Z	ELITE	LR02-240-3700-95-A40-UNI		277	104 VA

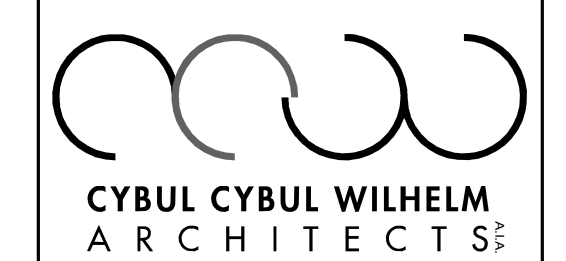
* FOR BIDDING CONTRACTOR SHALL SEPERATE ALL LIGHTING FIXTURES INTO INDIVIDUAL LINE ITEM

1 LIGHTING GROUND FLOOR PLAN
3/32" = 1'-0"

GENERAL CONDITIONS NOTE:

THIS DRAWING AND THE DESIGN DESCRIBED HEREIN, INCLUDING THE SPECIFIC **EXCLUSIVE** PROVISIONS OF **NO INFRINGEMENT**, RESERVE THE RIGHT TO HAVE THIS WORK REPRODUCED, FACILITATED, CONTRACTED OR MANUFACTURED. THIS DRAWING IS PLACED ON ORAL, WRITTEN, OR ELECTRONIC RECORDS OF THE DESIGNER OR MANUFACTURER, IS SPECIFICALLY **PROHIBITED** IN ANY MANNER ON UNLAWFUL COPIES, REPRODUCTIONS, OR TRANSMISSIONS. ANY COPIES THAT HAVE BEEN PROPERLY FILED BY THE COMPANY OR INDIVIDUAL (CONTRACTOR) WHO HAS BEEN RETAINED TO PERFORM THE WORK DESCRIBED HEREIN, AND ANY COPIES THAT HAVE BEEN ACQUIRED BY THE CONTRACTOR FROM THE CONTRACTOR ASSUMES ALL RESPONSIBILITIES FOR VERIFYING THAT THE DRAWINGS AND ANY CONDITIONS OR SPECIFICATIONS ARE NOT IN DISCREPANCY WITH ANY CONDITIONS OR SPECIFICATIONS. THERE IS NO DISCREPANCY BETWEEN WHAT IS DESCRIBED IN THESE DOCUMENTS AND THE WORK TO BE DONE. THE CONTRACTOR AGREES TO BE RESPONSIBLE PRIOR TO SIGNING THE CONTRACT. IT IS THE EXCLUSIVE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY AND COMPLY WITH ALL BUILDING AND ZONING, MUNICIPAL, AND STATE LAWS AND REGULATIONS. FAILURE OF THE CONTRACTOR TO EXERCISE THE AFORESAIDED PROCEDURES WILL RESULT IN THE CONTRACTOR BEING RESPONSIBLE FOR THE AREAS OR ITEMS IN COMPLIANCE WITH HIS OWN PREFERENCE. **NO EXCEPTIONS!**

copyright © ENGINEERING



1064 River Rd.
Edgewater, NJ 0702

KOESTNER ASSOCIATES
P.O. BOX 514
Hackensack, NJ 07602

ALLIED ENGINEERING
730 River Road
New Milford, NJ 07646

BD ENGINEERING, LLC.
30 Park Road, Suite 4
Tinton Falls, NJ 07724



Lorenzo Foods Teterboro

25 CENTRAL AVE
PETERBORO, NJ, 0760

DOB STAMP:

ISSUED FOR

REVIEW

PLANNING BOARD

BUILDING DEPT

BID

CONSTRUCTION

BRIAN D. TANNENHAUS

NJ PROFESSIONAL ENGINEER
NO. GE 45801
DATE: 09/24/2021

drawing name:

ELECTRICAL LIGHTING PLAN

scale: **As indicated**

release date:
release date:

09/24/2021
 drawn by: AW

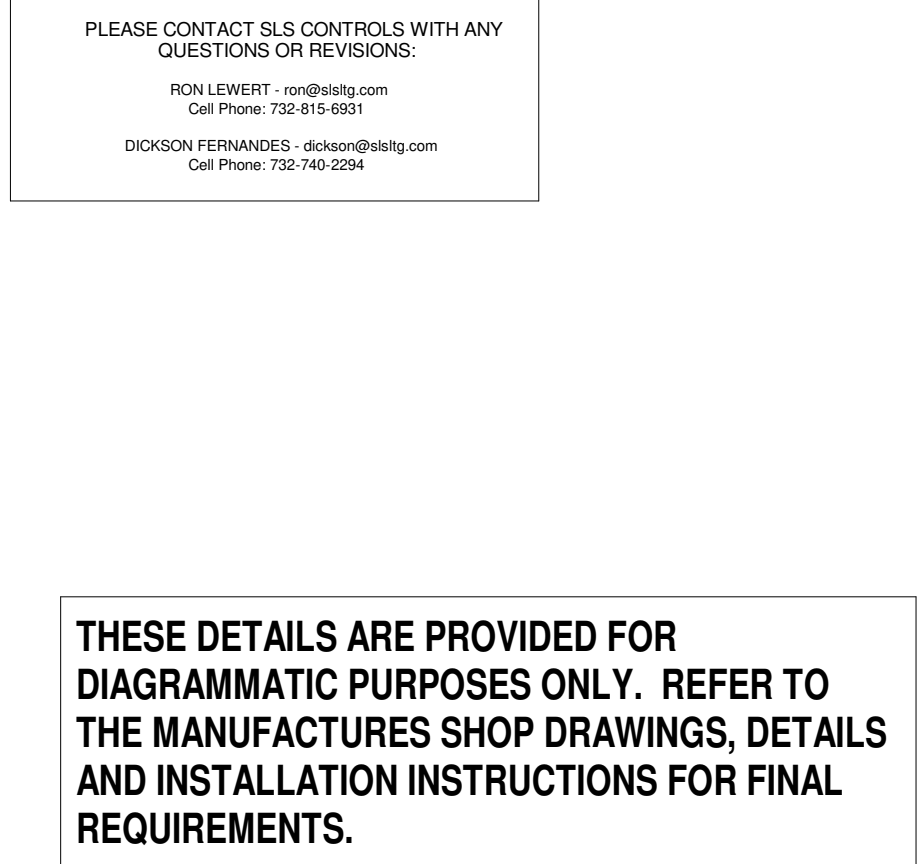
approved by:	BT
project no.:	

drawing no.: Z 102

E-300.00

COR BARCODE:

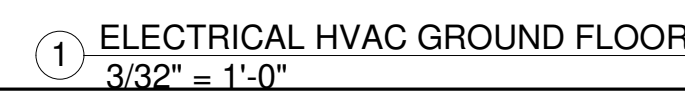
Total



9/16

1/24	Total
------	-------

9/24/2021 3:15:09 PM

ELECTRICAL HVAC PLAN $3/32'' = 1'-0''$

drawn by: AIA/

BT

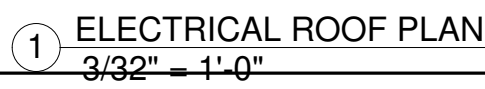
drawing no.:

L-500.00

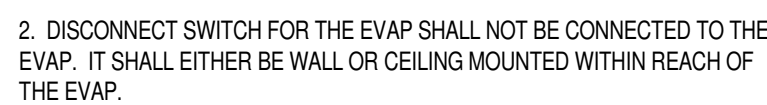
[illegible]

Total

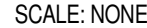
	Total



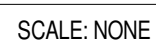
drawing name:	
ELECTRICAL ROOF PLAN	
scale:	$3/32" = 1'-0"$
release date:	
drawing date:	09/24/2021
drawn by:	AW
approved by:	BT
project no.	2102
drawing no.:	
E-501.00	
DGB BARCODE:	
Total	



SCALE: NONE



SCALE: NONE

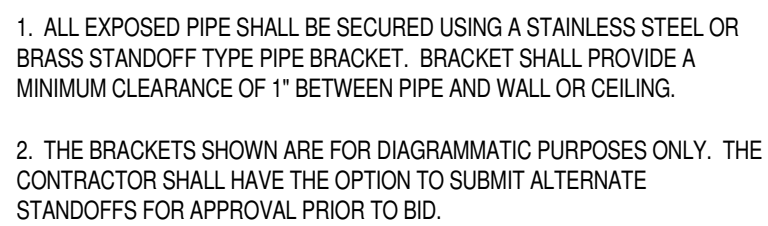


THE CONTRACTOR SHALL USE SCHEDULE 40 STAINLESS STEEL OR PVC TUBED RIGID STEEL CONDUIT IN ALL OF THE FLOOR PROCESSING AND OPEN DRY STORAGE AREAS, WHERE ALLOWED BY THE AHI SCHEDULE 80 PVC COULD BE USED IN THE BID AS AN ALTERNATE PRICE. NYC DOES NOT HAVE THIS OPTION.

THE CONTRACTOR SHALL PROVIDE 1" STAND OFFS FOR ALL SURFACE JUNITED PIPING LOCATED IN THE FLOOR PROCESSING AND OPEN FLOOR STORAGE AREAS. REFER TO THE STAND-OFF DETAIL FOR ADDITIONAL FORMATION.

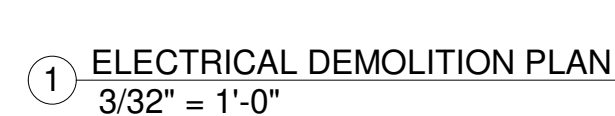
IT SHOULD ALSO BE NOTED THAT ALL ELECTRICAL DEVICES PROVIDED IN THE PRODUCTION AND STORAGE AREAS WHERE WASHDOWN OF EQUIPMENT IS REQUIRED MUST BE RATED BY THE MANUFACTURER AS ARCHITECTS PLANS FOR A COMPLETE UNDERSTANDING OF WASHDOWN AREAS.

UNLESS OTHERWISE NOTED ON OUR PLANS OR THE ARCHITECTS, FOR WASHING PURPOSES ANY AREA WITH FLOOR PREPARATION/PROCESS/ EQUIPMENT AND/OR HOSE STATIONS AND/OR A FLOOR DRAIN IN THE ROOM OR THE DOOR ENTRANCE SHALL BE CONSIDERED A FLOOR PROCESSING AREA. THEREFORE, THAT DRAINING AT DOOR ENTRANCES MAY INDICATE THAT THE FLOORS ON BOTH SIDES OF THE DOOR ARE WASH DOWN ROOMS. IF UNSURE, OVOID SEPARATE PRICING IN YOUR BID INDICATING YOUR ASSUMPTIONS OF FLOOR PROCESSING AREAS. THE CONTRACTOR SHALL ALSO PROVIDE FOR THE WASH DOWN EQUIPMENT REQUIREMENTS AS OUTLINED ABOVE.

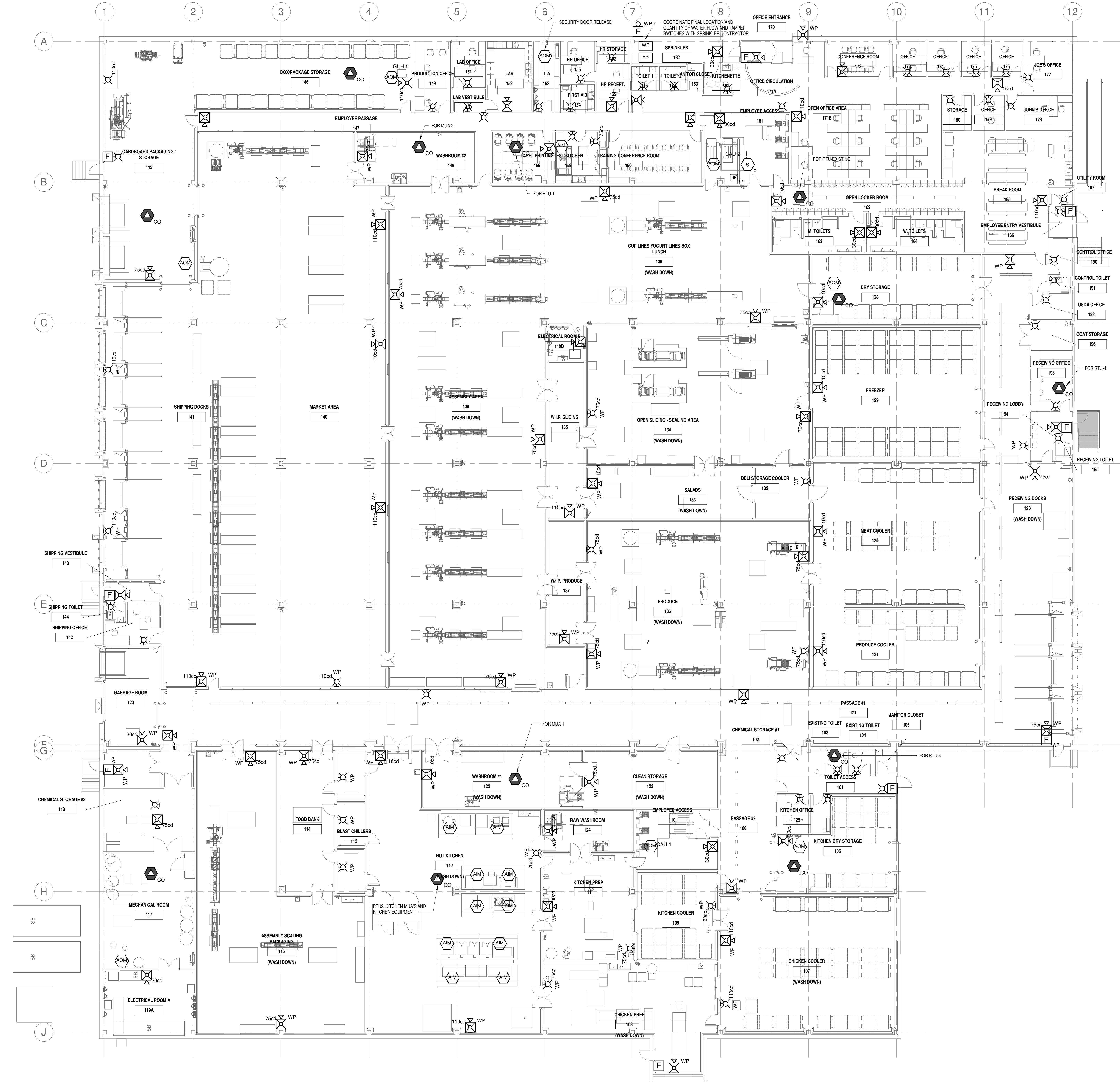


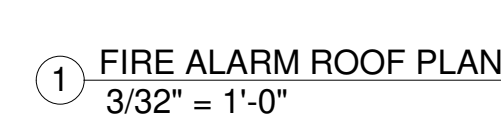
SCALE: NONE





C:\Users\RL\Documents_200066-MEP-2021_Rhiannon7.rvt





Total

