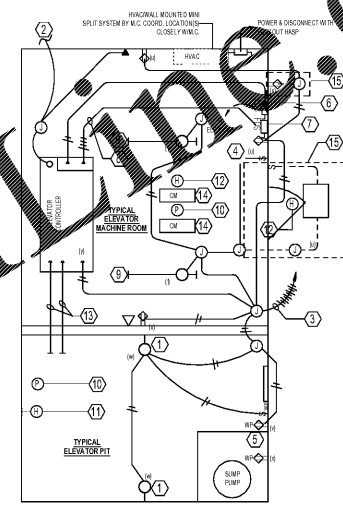


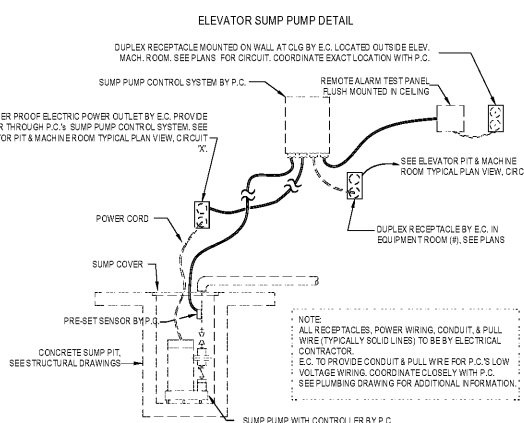
GRAPHIC SCALE 1/4"=1'-0"
 GRAPHIC SCALE 1/8"=1'-0"
 GRAPHIC SCALE 1/16"=1'-0"

Order Plans @ www.LDilino.com

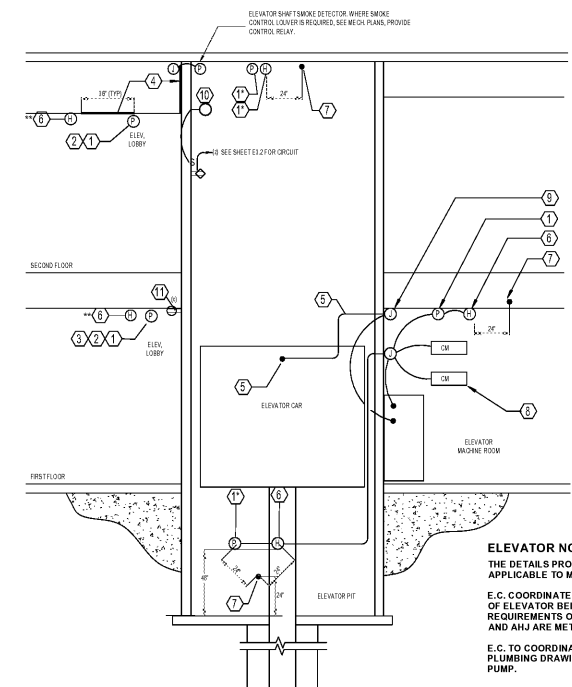
THIS DRAWING IS NOT TO BE SCALE FOR CONSTRUCTION PURPOSES. THE SCALE WHEN INDICATED IS FOR GENERAL REFERENCE ONLY.



2 ELEVATOR PIT & MACHINE ROOM, TYPICAL PLAN VIEW
 SCALE: NO SCALE



3 ELEVATOR SUMP PUMP DETAIL
 SCALE: NO SCALE

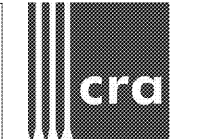


1 TYPICAL ELEVATOR POWER & SIGNAL PLAN, SECTION VIEW
 SCALE: NO SCALE

- KEYED NOTES:**
- LOCATION LISTED, I.E. FIBERGLASS REINFORCED POLYESTER HOUSING, ACRYLIC HIGH IMPACT DIFFUSER, FULL FRAME TO FIT OVER EMERGENCY BATTERY. MOUNT TO BE AT LEAST 18" ABOVE HIGHEST TRAVEL POINT OF CAR. IOW. ENSURE BATTERY IS CONNECTED TO HOT SIDE OF SWITCH/LEG. MNT SW. WITHIN 10' OF STRONG SIDE OF DOOR. THREE WIRE ELEVATOR SW. OR APPROVED EQUAL.
 - 3/4" CONDUIT TO PROVIDE DEDICATED TELEPHONE CABLE TO TELEPHONE DEMAND.
 - PROVIDE (1) DESIGNATED 20K. 120V. CIRCUITS:
 (1) FOR ELEVATOR MACHINE ROOM LIGHTS (L)
 (2) FOR ELEVATOR MACHINE ROOM RECEPTACLES (R)
 (3) FOR ELEVATOR PIT RECEPTACLES (P)
 (4) FOR ELEVATOR PIT LIGHTS (L)
 (5) FOR ELEVATOR PIT SUMP PUMP/UNDER-PUMP THROUGH SUMP PUMP CONTROLLER WHEN USED. (S)
 (6) FOR ELEVATOR CONTROL (C)
 (7) FOR ELEVATOR CONTROL (C) - BREAKER TO HAVE SHUNT TRIP IF ELEVATOR SHUNT IS SPRINGLOADED.
 (8) FOR ELEVATOR UNDER-PUMP (U)
 - WHERE LIGHTING IN ELEVATOR MACHINE ROOM SHARES A CIRCUIT WITH RECEPTACLES, THE LIGHTING TO BE WIRING HEAD OF SW.
 - MOUNT SWITCH & RECEPTAGE ADJACENT TO LADDER.
 - ELEVATOR LIGHTS, LOCKABLE. FIELD DISCONNECT BY ELEVATOR SUPPLIER. LABEL SWITCH "ELEVATOR CAR FAN LIGHTS". IF BATTERY CHARGING OPTION IS PROVIDED THIS CIRCUIT ALSO SERVES BATTERY (B) CHARGING UNIT. E.G. TO PROVIDE MAINT. AND LABOR TO INSTALL A STEP-DOWN TRANSFORMER, IF REQUIRED.
 - ELEVATOR FEEDER, LOCKABLE. FIELD DISCONNECT BY ELEVATOR SUPPLIER. LABEL SWITCH "ELEVATOR CARP COORDINATE EXACT LOCATION WITH ELEVATOR CONTRACTOR. MAIN PANEL ALL CODE REQUIRED CLEARANCES (SEE ANNOT. 1). BATTERY CHARGING OPTION IS PROVIDED, E.G. TO PROVIDE INTERFACE CONDUIT & WIRING TO PREVENT LOOSEING OF CAR WHEN FEEDER DISCONNECT IS OPEN. PROVIDE ADEQUATE CONTACTS FOR BATTERY CHARGING DEVICE.
 * IF A SHUNT TRIP BREAKER IS PROVIDED, AN AUX. CONTACT SHALL BE INSTALLED ON THE CIRCUIT BREAKER TO SHUNT TRIP WIRING/CONNECTIONS.
 - SEE LINE DRAWING FOR ELEVATOR FEEDER WIRING.
 - SURFACE LED STRIP LIGHTS WITH WIRE GUARD, 120V MOUNT AT 4'-11.5" CENTERED. I.E. WILLIAMS #FL-413815-A2-2540511-019-04V W/ WIRE GUARD, OR APPROX. EQUAL.
 - SMOKE DETECTOR FOR ELEVATOR RECALL ZONE. ONLY IF MNT IN DETECTOR IN PIT TOWER SPRINKLER. TOP OF SHAFT & ELEVATOR RECALL ZONE. LOCATE DETECTOR WITHIN 10' OF FIRE SPRINKLER HEAD & 4' OFF PIT FLOOR.
 - FIELD TO TEMPERATURE TYPE HEAT DETECTOR FOR ELEVATOR SHUNT TRIP CONTROL. LOCATE DETECTOR WITHIN 10' OF FIRE SPRINKLER HEAD & 4' OFF PIT FLOOR. VERIFY WITH FIRE SPRINKLER CONTRACTOR THAT SPRINKLER HEAD IS RATED TO RELEASE AT 207°.
 - FIELD TO TEMPERATURE TYPE HEAT DETECTOR FOR ELEVATOR SHUNT TRIP CONTROL. LOCATE DETECTOR WITHIN 10' OF FIRE SPRINKLER HEAD. VERIFY WITH FIRE SPRINKLER CONTRACTOR THAT SPRINKLER HEAD IS RATED TO RELEASE AT 207°.
 - 3/4" CONDUIT TO PIT FOR ELEVATOR CAR TELEPHONE (AND VOICE EVAC. SPEAKER, IF PROVIDED).
 - FIELD ALARM SYSTEM CONTROL MODULE (RELAYS) FOR ACTIVATION OF ELEVATOR RECALL SQUENCE.
 - E.G. TO WIRE PHOTOEYE/CONTROL OF RECEPTAGE AND LOBBY LIGHT, PER FUTURE SCHEDULE, ARE CONNECTED AS INDICATED.
 - ONLY USED WHEN SPRINKLER COVERAGE IS INSTALLED IN SHUNT AND/OR ELEVATOR EQUIPMENT ROOM.
 - ONLY USED WHERE ELEVATOR LOBBY IS CONSIDERED MACHINE ROOM SPACE.

- KEYED NOTES:**
- ONLY SMOKE DETECTORS IN ELEVATOR LOBBY, ELEVATOR PIT SHAFT WHEN SPRINKLER IS IN ELEVATOR MACHINE ROOM USED FOR RECALL. LOCATE DETECTOR WITHIN 10' OF FIRE SPRINKLER HEAD & 4' OFF PIT FLOOR.
 - ALTERNATE FLOOR ELEVATOR RECALL SMOKE DETECTOR APPLIES ONLY IF THREE STORES OR MORE, OR TRAVEL GREATER THAN 20'.
 - FIRST FLOOR ELEVATOR RECALL SMOKE DETECTOR. IF SMOKE IS DETECTED ON FIRST FLOOR THEN ELEVATOR SHALL RECALL TO ALTERNATE FLOOR.
 - LOCATE ELEVATOR SHUNT TRIP DETECTOR ACCESS IN WALL OR CEILING WITH A MINIMUM 6" OF CLEARANCE. IF CLEARANCE NOT AVAILABLE, USE ALTERNATE LOCATION WITH WHITE NAMEPLATE WITH "VF" RE LETTERS TO READ "ELEVATOR SHUNT SMOKE DOOR ACCESS".
 - VOICE EVAC. SPEAKER IN ELEVATOR CAR, WHEN REQUIRED BY CODE. CONDUCTORS FOR VOICE EVAC. SPEAKER PROVIDED IN TRAVELING CABLE PROVIDED BY ELEVATOR CONTRACTOR.
 - FIELD TO TEMPERATURE TYPE HEAT DETECTOR FOR ELEVATOR DISCONNECT SHUNT TRIP. LOCATE WITHIN 10' OF FIRE SPRINKLER HEAD & 4' OFF PIT FLOOR. PHOTOEYE CONTROL MODULE RELAY, VERIFY WITH FIRE SPRINKLER CONTRACTOR THAT SPRINKLER HEAD IS RATED TO RELEASE AT 207°.
 - FIRE SPRINKLER HEAD.
 - FIELD ALARM SYSTEM CONTROL MODULE RELAY (TYPICAL).
 - FUNCTION RELAY FOR VOICE EVAC. TELEPHONE CABLE TO ELEVATOR CAR. EXTEND TO ELEVATOR CONTRACTOR AS REQUIRED, VIA 3/4" CONDUIT.
 - WET LOCATION LISTED, I.E. FIBERGLASS REINFORCED POLYESTER HOUSING, ACRYLIC HIGH IMPACT DIFFUSER, FULL FRAME TO FIT OVER EMERGENCY BATTERY. MOUNT TO BE AT LEAST 18" ABOVE HIGHEST TRAVEL POINT OF CAR. IOW. ENSURE BATTERY IS CONNECTED TO HOT SIDE OF SWITCH/LEG. MNT SW. WITHIN 10' OF STRONG SIDE OF DOOR. THREE WIRE ELEVATOR SW. OR APPROVED EQUAL.
 - WALL MOUNTED RECEPTAGE FOR OIL W/UNDER PUMP CONTROLLER IF UTILIZED.
 - ONLY USED WHEN SPRINKLER COVERAGE IS INSTALLED IN SHUNT AND/OR ELEVATOR EQUIPMENT ROOM.
 - ONLY USED WHERE ELEVATOR LOBBY IS CONSIDERED MACHINE ROOM SPACE.

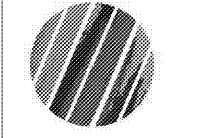
ELEVATOR NOTES:
 THE DETAILS PROVIDED HERE ARE GENERAL IN NATURE AND MAY BE APPLICABLE TO MORE THAN ONE TYPE OF ELEVATOR.
 E.C. COORDINATE CLOSELY WITH ELEVATOR SUPPLIER. VERIFY TYPE OF ELEVATOR BEING INSTALLED, AND ENSURE ALL APPLICABLE REQUIREMENTS OF CURRENT ELEVATOR CODES AND AHJ ARE MET.
 E.C. TO COORDINATE CLOSELY WITH PLUMBING CONTRACTOR & PLUMBING DRAWINGS FOR POWER & CONTROLS TO ELEVATOR SUMP PUMP.



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Cedar Ridge High School
 Classroom Addition
 Orange County Schools
 1125 New Grady Brown School Road
 Hillsborough, North Carolina



no.	revisions

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Electrical
 Details

sheet

E5.4

project no. 1716

date 4/25/19