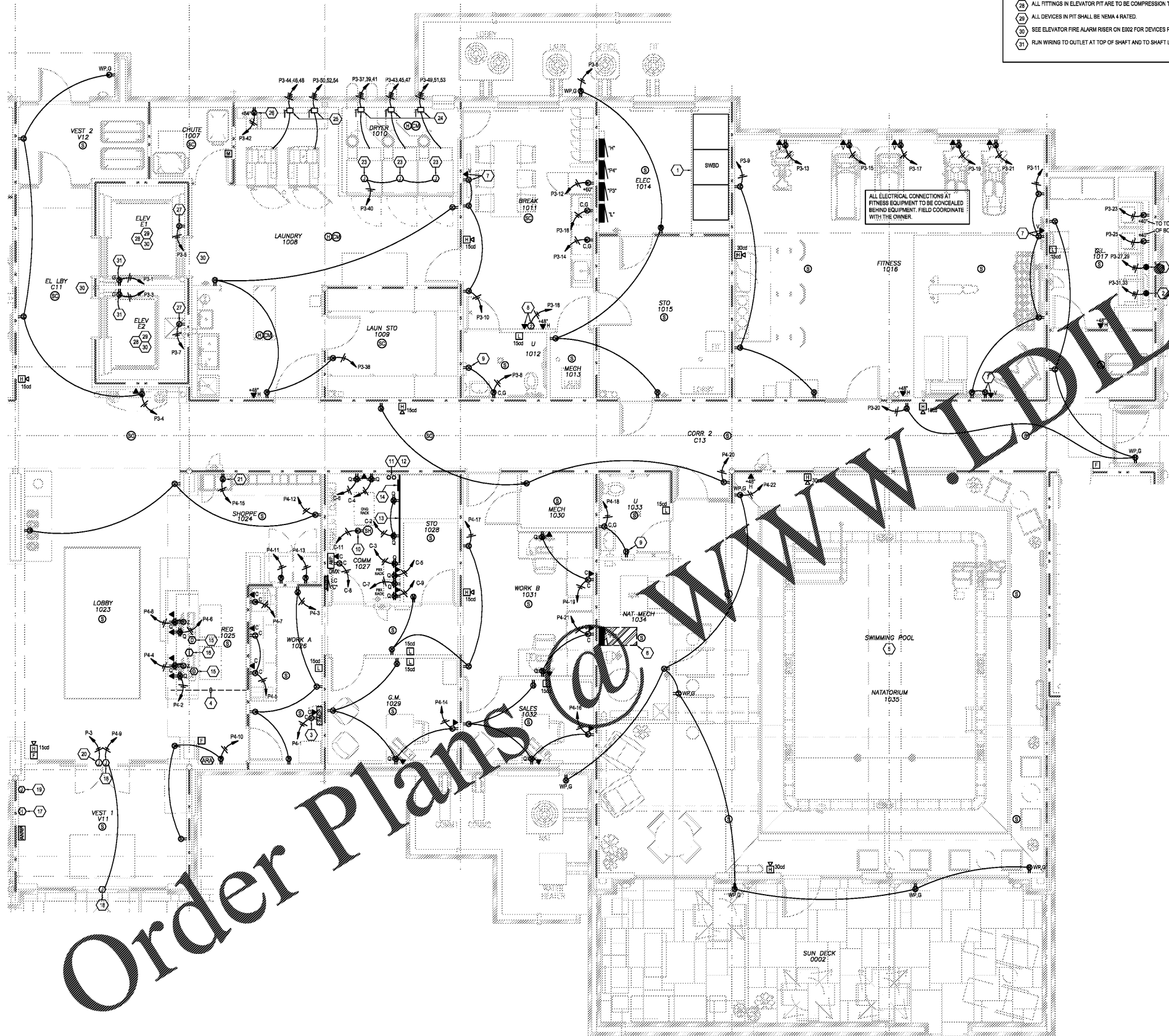


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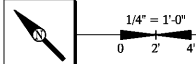


- ### ELECTRICAL KEYED NOTES
- 27 PROVIDE WEATHERPROOF NON-GFCI PROTECTED RECEPTACLE FOR ELEVATOR SLUMP PUMP. MOUNT RECEPTACLE IN SLUMP PIT. COORDINATE WITH ELEVATOR EQUIPMENT SUPPLIER FOR EXACT MOUNTING AND ELECTRICAL ROUGH-IN.
  - 28 ALL FITTINGS IN FIT SHALL BE NEMA 4 RATED.
  - 29 ALL DEVICES IN FIT SHALL BE NEMA 4 RATED.
  - 30 SEE ELEVATOR FIRE ALARM RISER ON EX02 FOR DEVICES REQUIRED IN THIS AREA.
  - 31 RUN WIRING TO OUTLET AT TOP OF SHAFT AND TO SHAFT LIGHTS (SEE E101 & E103).

- ### GENERAL PLAN NOTES
1. THE CONTRACTOR IS TO FIELD COORDINATE THE MOUNTING HEIGHTS & LOCATIONS OF ALL ELECTRICAL DEVICES WITH THE ARCHITECTURAL INTERIOR ELEVATIONS PRIOR TO DOING ANY WORK.

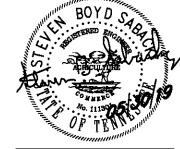
- ### POOL GROUNDING NOTES
- CONTRACTOR TO FOLLOW NEC ARTICLE 680.21 FOR GROUNDING AND BONDING AT THE POOL. THE VARIOUS ELEMENTS OF THE POOL CONSTRUCTION ARE TO BE EQUIPOTENTIALLY BONDED TOGETHER ACCORDING TO THE FOLLOWING GUIDELINES.
- POOL SHELL:
- THE REBAR SHALL BE BONDED TOGETHER BY STEEL TIES, ASSUMING THIS IS A POURED CONCRETE CONSTRUCTION.
- POOL PERIMETER SURFACES:
- THE PERIMETER EXTENDS FOR 3 FEET HORIZONTALLY FROM THE INSIDE POOL WALL. STEEL TIES ARE TO BE PROVIDED AT A MINIMUM OF FOUR POINTS UNIFORMLY SPREAD AROUND THE POOL PERIMETER. IF REBAR DOES NOT EXTEND A MINIMUM OF THREE FEET FROM THE INSIDE POOL, SIDE THEN A SINGLE BUSBOND CONDUCTOR CAN BE INSTALLED AROUND THE PERIMETER.
- OTHER METALLIC COMPONENTS OF THE POOL STRUCTURE BEYOND THE REBAR ALSO TO BE BONDED WITH #8 SOLID COPPER.
- POOL LIGHTS:
- ALL LIGHTS MOUNTED IN THE POOL SHALL BE BONDED WITH A #8 SOLID COPPER TO THE REBAR FROM THE LIGHT FIXTURE USING
- METAL FITTINGS WITH AN ATTACHMENT TO THE POOL STRUCTURE SHALL BE BONDED TO THE REBAR SYSTEM WITH #8 SOLID COPPER.
- ELECTRICAL EQUIPMENT:
- ALL METALLIC PARTS ASSOCIATE WITH THE POOL WATER CIRCULATING SYSTEM SHALL BE BONDED WITH #8 SOLID COPPER TO THE REBAR. THESE INCLUDES POOL MANHOLE COVERS, PUMP MOTORS, AND HEATER ENCLOSURES.
- FIXED METAL PARTS:
- ALL FIXED IN PLACE METAL ITEMS WITHIN 5 FEET HORIZONTAL OF THE INSIDE POOL WALLS SHALL BE BONDED WITH #8 SOLID COPPER TO THE REBAR SYSTEM. BEYOND ANY ITEMS DESCRIBED PREVIOUSLY, THIS INCLUDES THE POOL LADDERS, DIVING BOARD ASSEMBLY, METAL DOOR FRAMES, METAL WINDOW FRAMES, FENCES, WINNERS, ETC. NOTE THAT SOME OF THESE ITEMS MAY BE MORE THAN 4 FEET AWAY AND NOT REQUIRE BONDING. ITEMS CAN BE WIRED IN SERIES FROM ONE DEVICE TO THE NEXT OR INDIVIDUALLY WIRED BACK TO THE POOL REBAR.
- GENERAL NOTE:
- THE BONDING ATTACHMENT POINTS CAN BE ACCOMPLISHED WITH EXOTHERMIC WELDS (WELDS), PRESSURE CLAMPS, OR OTHER MEANS THAT ARE SPECIFICALLY LISTED BY UL FOR THE PURPOSE. CONNECTIONS MUST BE SUITABLE FOR WET CONDITIONS AND A CHLORINE ENVIRONMENT.

- ### ELECTRICAL KEYED NOTES
- 1 PROVIDE 6" THICK CONCRETE HOUSEKEEPING PAD UNDER ENTIRE SWITCHBOARD.
  - 2 PROVIDE 120/208V, 1Ø ELECTRICAL CONNECTION TO DRYER. PROVIDE RECEPTACLE TO MATCH NEMA CONFIGURATION OF CORD & PLUG SUPPLIED WITH UNIT. PROVIDE #10 CU WITH #10 GROUND IN 3/4" TO PANEL.
  - 3 PROVIDE RED LETTER MARKING ON FACE OF FACP THAT SAYS "FIRE ALARM PANEL FED FROM PANEL 'M', CIRCUIT 1".
  - 4 RUN THREE EACH 1" UNDERSLAB FOR USE WITH LIGHTING POWER & DATA CONNECTIONS AT FRONT DESK. PROVIDE PULL STRING IN DATA CONDUIT.
  - 5 CONTRACTOR TO PROVIDE ALL REQUIRED GROUNDING AND BONDING FOR POOL. SEE POOL GROUNDING NOTES ON THIS SHEET.
  - 6 PROVIDE STRIPING ALONG FLOOR IN FRONT ELECTRICAL PANELS. STRIPING SHOULD EXTEND A MINIMUM OF 3'-0" IN OF PANELS.
  - 7 RECEPTACLE AND CATV BOX IN WALL AT APPROXIMATELY 80" A.F.F. TO TOP OF BOXES. CONCEAL BEHIND TV. FIELD COORDINATE WITH ARCH INTERIOR ELEVATIONS AND G.C.
  - 8 PROVIDE 120V ELECTRICAL CONNECTION TO EMPLOYEE TIMELOCK. FIELD VERIFY EXACT MOUNTING HEIGHT & LOCATION WITH TIMELOCK PROVIDER. HARDWARE UNIT OR PROVIDE RECEPTACLE TO MATCH NEMA CONFIGURATION OF CORD & PLUG OF UNIT. PROVIDE ADDITIONAL SINGLE GANG BOX NEXT TO POWER BOX STUBBED OUT ABOVE NEAREST LAY-CEILING IN 1". PROVIDE PULL STRING WITH LABELS ON BOTH ENDS WHICH SAY: "EMPLOYEE TIMELOCK CAT-5E CABLE".
  - 9 POWER FOR ELECTRIC PAPER TOWEL DISPENSER. HARDWARE OR PROVIDE OUTLET AS REQUIRED. FIELD VERIFY HEIGHT & LOCATION.
  - 10 15A TWIST LOCK DEVICE. FIELD COORDINATE NEMA CONFIGURATION WITH EQUIPMENT PROVIDER.
  - 11 PROVIDE 1-1/2" TO ROOF AT SATELLITE LOCATION. WEATHERSEAL ALL ROOF PENETRATIONS AND FIRESTOP OF PENETRATIONS OF FLOORS AND FIREWALLS. PROVIDE PULL STRING IN CONDUIT.
  - 12 TELEPHONE AND CATV CONDUITS TO UTILITY. SEE SHEET E5101 FOR ROUTING & SIZES.
  - 13 PROVIDE 3/4" PLYWOOD FOR HOTEL MAIN COMMUNICATIONS BACKBOARD. BOARD TO COVER WALL FROM END TO END. MOUNT WITH BOTTOM AT 24" A.F.F. AND TOP AT 12" A.F.F. PROVIDE TWO EACH QUAD RECEPTACLE. PROVIDE #4 GROUND WIRE TIED TO BUILDING TO BUILDING SERVICE GROUND. PAINT TO MATCH WALLS.
  - 14 PROVIDE ERICO SERIES "E88A" GROUND BAR WITH INSULATORS AND BRACKET. BAR TO BE 2" WIDE BY 1/2" LONG. RUN #8 SOLID CU BACK TO SERVICE GROUND. SEE RISER DIAGRAM. RUN A #8 SOLID CU. GROUND WIRE TO UPPER LEVEL BACKBOARDS. SEE COMMUNICATIONS SERVICE RISER DIAGRAM ON SHEET E402.
  - 15 LOCATE DURESS ALARM AT EACH FRONT DESK WORK STATION. FIELD COORDINATE WITH THE OWNER.
  - 16 TWO-WAY PUSH-TO-TALK MASTER INTERCOM STATION. THIS STATION TO OPERATE WITH INTERCOM STATION AT FRONT ENTRY. SEE KEY NOTE 17 ON THIS SHEET. DEVICE IS EQUIPPED WITH AN INTEGRAL PUSH BUTTON. WIRE PUSH BUTTON TO RELEASE NOTE 20 LOCK AT ENTRY DOOR. PROVIDE 120V CONNECTION TO SYSTEM FROM NEAREST UNDESIGNATED & UNWITNESSED CIRCUIT. MOUNT DEVICE AT FRONT DESK. MODIFY CASEWORK AS REQUIRED. FIELD VERIFY EXACT MOUNTING LOCATION WITH OWNER PRIOR TO DOING ANY WORK. PROVIDE ALL MATERIALS FOR A COMPLETE & OPERATIONAL SYSTEM.
  - 17 TWO-WAY PUSH-TO-TALK INTERCOM STATION. PROVIDE PHONE WP-DA. MOUNT WITH TOP OF DEVICE AT 48" A.F.F. DEVICE TO OPERATE WITH NOTE 16 HANDSET MASTER STATION AT FRONT DESK.
  - 18 PROVIDE JUNCTION BOX AT DOOR FRAME FOR AUTOMATIC DOOR OPENER.
  - 19 PROVIDE EMPTY BOX IN WALL WITH TOP AT 48" A.F.F. FOR USE WITH MOUNTING OF GUEST KEY CARD READER. STUB OUT ABOVE CEILING IN 3/4". (WITH PULL STRING).
  - 20 PROVIDE JUNCTION BOX AT DOOR FRAME FOR ELECTRONIC DOOR LOCK. ROUTE 3/4" TO FRONT DESK AND TIE TO PUSH BUTTON (SEE NOTE 16 ON THIS SHEET). LOCK TO OPEN WITH PUSH BUTTON OR CARD READER DESCRIBED IN NOTE 19. TIE LOCK TO BUILDING FIRE ALARM SYSTEM. LOCK TO OPEN UPON A GENERAL ALARM SIGNAL. WIRE WITH OTHER LOCKS IN BUILDING.
  - 21 OUTLET FOR USE WITH MICROWAVE. MICROWAVE MOUNTED IN CASEWORK. FIELD VERIFY MOUNTING HEIGHT & LOCATION. OUTLET MOUNTED IN WALL BEHIND CASEWORK. MODIFY CASEWORK AS REQUIRED. FIELD COORDINATE WITH THE CASEWORK INSTALLER.
  - 22 NOT USED.
  - 23 PROVIDE 120V ELECTRICAL CONNECTION TO GAS DRYERS FOR USE WITH DRYER CONTROLS.
  - 24 PROVIDE 120/208V, 3Ø, 3ØA ELECTRICAL CONNECTION TO GAS DRYER TUMBLER. PROVIDE 3Ø/3P GENERAL DUTY, PULL-OUT STYLE DISCONNECT, NON-FUSED, RUN #12 CU WITH #12 CU. GROUND IN 1" TO PANEL. STACK DISCONNECTS.
  - 25 PROVIDE 120/208V, 3Ø, 3ØA ELECTRICAL CONNECTION TO WASHING MACHINE. PROVIDE 3Ø/3P GENERAL DUTY, PULL-OUT STYLE DISCONNECT, NON-FUSED, RUN #12 CU WITH #12 CU. GROUND IN 3/4" TO PANEL. STACK DISCONNECTS.
  - 26 RECEPTACLE FOR USE WITH LAUNDRY DETERGENT SYSTEM. FIELD COORDINATE EXACT HEIGHT AND LOCATION WITH LAUNDRY EQUIPMENT INSTALLER.



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