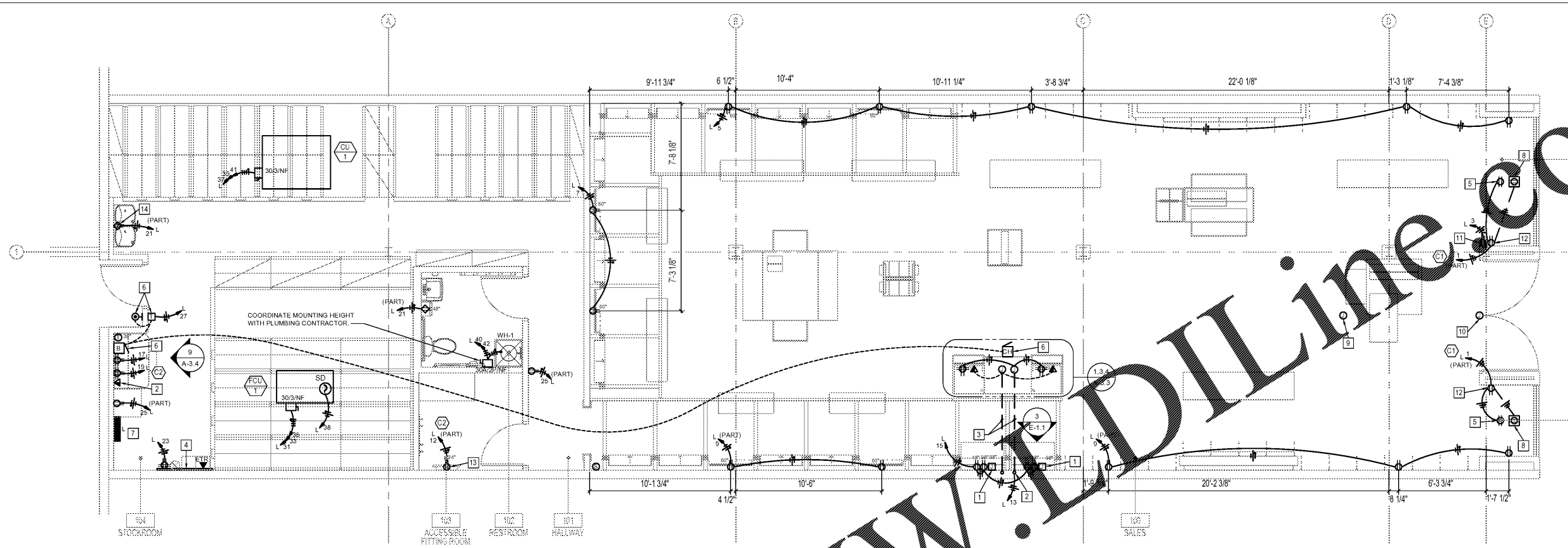
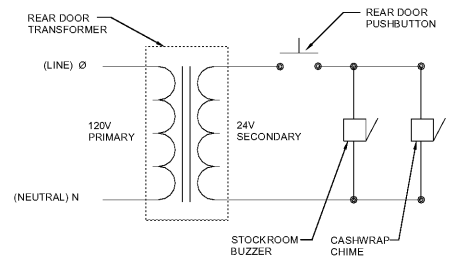


REVISIONS	DATE
ISSUE FOR CLIENT, LANDLORD AND PERMIT	11/01/2017
ISSUE FOR PERMIT	11/07/2017

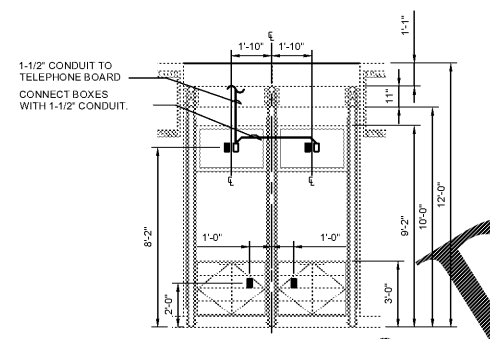
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1 FLOOR PLAN POWER & SIGNAL
SCALE: 1/4"=1'-0"



2 DELIVERY BUZZER SCHEMATIC
NOT TO SCALE



3 BACKWRAP ELEVATION
NOT TO SCALE

GENERAL ELECTRICAL NOTES:

1. READ THE SPECIFICATIONS AND REVIEW DRAWINGS OF ALL DIVISIONS OF WORK. COORDINATE THIS WORK WITH ALL OTHER DIVISIONS OF WORK AND ALL SUBCONTRACTORS. PROVIDE ALL SUBCONTRACTORS WITH A COMPLETE SET OF BID DOCUMENTS.
2. ALLOWANCES ARE TO BE INCLUDED FOR UNFORESSEEN CONDITIONS THAT MAY AFFECT THE CONTRACTOR'S SCOPE OF WORK. MINOR DEVIATIONS REQUIRED FOR ACCOMPLISHING THE INTENT OF THE DESIGN ARE TO BE INCLUDED IN THAT ALLOWANCE.
3. SWITCHBOARDS, PANELBOARDS, DISCONNECT SWITCHES, TRANSFORMERS, AND CONTACTORS ARE TO BE "LISTED" AND IDENTIFIED AS LISTED FOR A MINIMUM OF 90 DEGREE CONDUIT TIGHTENING TERMINATION.
4. ELECTRICAL DESIGN HAS BEEN BASED ON THE INSTALLATION OF 75 DEGREE COPPER CONDUCTORS WHERE TERMINATED ON EQUIPMENT WITH A LOWER RATING (60 DEGREE C) OR AS SHOWN. CONDUCTOR SIZES SHALL BE DECREASED TO CONFORM TO N.E.C. AND U.L. REQUIREMENTS.
5. CONDUIT INSTALLED IN RECESSES SHALL BE ELECTRICAL RIGID TUBING (EMT), MINIMUM 1/2" OR AS NOTED.
6. CONDUIT INSTALLED BELOW SLAB SHALL BE RIGID STEEL, IMC, PVC, OR HDPE, MINIMUM 3/4" OR AS NOTED. IMC OR HDPE IS USED, TRANSITION TO RIGID STEEL BEFORE TURNING UP AND PENETRATING FLOOR SLAB.
7. CONDUCTORS SHALL BE A MINIMUM OF #12 THINWALL COPPER UNLESS NOTED OTHERWISE ON PLANS OR IN SPECIFICATIONS. BRANCH CIRCUIT SHALL BE PROVIDED WITH (2) #12 CONDUCTORS AND (1) #12 EQUIPMENT GROUND CONDUCTOR UNLESS NOTED OTHERWISE.
8. BRANCH CIRCUITS SHOWN WITH TWO GROUND CONDUCTORS SHALL HAVE ONE EQUIPMENT GROUND CONDUCTOR (GREEN) AND ONE ISOLATED GROUND CONDUCTOR (GREEN W/YELLOW STRIPE) INSTALLED IN RACEWAY.
9. CONTROL VOLTAGE WIRING SHALL BE PLENUM RATED OR INSTALLED ON CONDUIT.
10. THERMOSTATS, TEMPERATURE SENSORS, CARBON DIOXIDE SENSORS AND HUMIDITY SENSORS SHALL BE PROVIDED BY MECHANICAL CONTRACTOR, UNLESS NOTED OTHERWISE. ELECTRICAL CONTRACTOR SHALL PROVIDE WALL BOX AT +2" A.F.F. AND 1/2" CONDUIT STUBBED OUT TO ABOVE ACCESSIBLE CEILING WITH NYLON BUSHINGS AND PULLSTRINGS.

MALL ELECTRICAL NOTES:

1. ALL ELECTRICIANS SHALL BE PRE-APPROVED BY LANDLORD PRIOR TO WORK ON LANDLORD'S EQUIPMENT. ALL WORK SHALL BE PERFORMED DURING OFF-HOURS, AND NO ONE SHALL BE PERMITTED TO WORK ON EQUIPMENT WHILE ENERGIZED.
2. ALL ELECTRICAL CONTRACTORS SHALL GO THROUGH CENTER MANAGEMENT OFFICE AND/OR THE OPERATIONS DIRECTOR FOR ACCESS INTO ELECTRICAL ROOMS, AND WILL BE RESPONSIBLE FOR REPLACING ALL PANEL COVERS AFTER USE.
3. ELECTRICAL CONTRACTOR SHALL SUBMIT TO THE LANDLORD A SCHEDULE OF WORK AFFECTING THE MALL'S METER EQUIPMENT. THE SCHEDULE SHALL IDENTIFY THE ESTIMATED TIME OF WORK, POWER OUTAGES (IF ANY), AND THE DESCRIPTION OF THE WORK TO BE DONE.
4. ELECTRICAL CONTRACTOR SHALL PROVIDE GROUND WIRE IN ALL RACEWAYS. SIZE RACEWAYS AS NECESSARY TO COMPLY WITH N.E.C.
5. CONTRACTOR SHALL COORDINATE INSTALLATION OF ELECTRICAL WORK ABOVE THE CEILING TO PROVIDE THE GREATEST POSSIBLE CLEARANCE FOR THE INSTALLATION OF PLUMBING AND MECHANICAL INSTALLATIONS. CONDUIT RUNS TO BE RUN THROUGH BRUSSES WHERE POSSIBLE.
6. ELECTRICAL CONTRACTOR TO VERIFY EXACT PLACEMENT OF ALL DEVICES SHOWN ON THE ELECTRICAL CONSTRUCTION DOCUMENTS WITH ARCHITECTURAL, MECHANICAL, AND PLUMBING DRAWINGS PRIOR TO FINAL PLACEMENT.
7. ALL PANELBOARDS, SWITCHBOARDS, AND LINE VOLTAGE CONTROL EQUIPMENT SHALL BE FIELD MARKED TO WARN QUALIFIED PERSONS OF POTENTIAL ELECTRICAL ARC FLASH HAZARDS. MARK SHALL BE LOCATED SO AS TO BE CLEARLY VISIBLE TO QUALIFIED PERSONS BEFORE EXAMINATION, ADJUSTING, SERVICING, OR MAINTENANCE OF EQUIPMENT. MARKING SHALL BE SELF ADHESIVE, COMMERCIAL LABEL CONFORMING TO N.E.C. AND A.N.S.I. AS MANUFACTURED BY IDEAL OR APPROVED EQUAL.
8. LIGHT SWITCHES, ELECTRICAL OUTLETS, THERMOSTATS, AND OTHER ENVIRONMENTAL CONTROLS SHALL HAVE OPERABLE PARTS OF THE CONTROLS LOCATED NO HIGHER THAN 48" AND NO LOWER THAN 15" ABOVE THE FLOOR. IF THE REACH IS OVER THE OBSTRUCTION BETWEEN 20" AND 28" IN DEPTH, THE MAXIMUM HEIGHT IS REDUCED TO 44" FOR FORWARD APPROACH AND 46" FOR SIDE APPROACH. OBSTRUCTIONS SHALL NOT EXTEND MORE THAN 25" FROM THE WALL BENEATH A CONTROL.
9. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR THE EXACT LOCATION OF ALL LIGHT FIXTURES AND ANY OTHER EQUIPMENT INSTALLED IN THE CEILING SYSTEM. VERIFY EXACT MOUNTING HEIGHTS AND FINISHES WITH ARCHITECT PRIOR TO ROUGH-IN.

GENERAL ELECTRICAL DEMOLITION NOTES:

1. ALL EXISTING LIGHTS, POWER DEVICES AND EQUIPMENT CONNECTIONS NOT SERVING EXISTING MECHANICAL EQUIPMENT WITHIN LIMIT OF SCOPE TO BE DEMOLISHED UNLESS NOTED OTHERWISE. REMOVE WIRING, CABLING AND CONDUIT SERVING EXISTING LIGHTING AND POWER DEVICES THAT ARE TO BE DEMOLISHED. SEAL ALL PENETRATIONS THROUGH FLOORS, WALLS, CEILING, AND ROOF WHERE ELECTRICAL COMPONENTS ARE REMOVED AND WHERE THE EXISTING PENETRATION IS NOT USED FOR THE NEW INSTALLATION. REPAIR DAMAGED SURFACES TO MATCH ADJACENT AREAS.
2. UPON APPROVAL OF THE ABOVE SCHEDULE BY THE LANDLORD, THE ELECTRICAL CONTRACTOR MAY PROCEED WITH HIS WORK. ANY VARIATIONS IN THE SCHEDULE MUST BE APPROVED BY THE LANDLORD.
3. ANY OUTAGES SHALL BE COORDINATED WITH THE MALL MANAGER, LOCAL UTILITY COMPANY, AND ALL AFFECTED TENANTS FROM THE PARTICULAR SWITCHBOARD. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR TENANT COORDINATION, SAFETY DURING PERFORMANCE OF WORK, AND THE AVOIDANCE OF ANY UNSCHEDULED SHUT DOWNS OF MALL POWER.
4. AT NO TIME SHALL THE METER SWITCHBOARD BE LEFT UNATTENDED OR THE COVERS ON THE SWITCHBOARD BE LEFT OFF WHILE WORK IS BEING PERFORMED. IT IS THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR TO MAINTAIN THE AREA WHILE WORKING AND MAINTAIN SAFETY STANDARDS FOR ALL INDIVIDUALS.
5. UPON COMPLETION, THE METER SWITCHBOARD SHALL BE CLEAR OF ALL DEBRIS. ALL COVERS AND ASSOCIATED HARDWARE SHALL BE REPLACED IN THEIR ORIGINAL LOCATION OR POSITION.
6. ALL CONDUCTORS SHALL BE COPPER AND INSTALLED IN CONDUIT.
7. KEEP ALL PIPING AS CLOSE TO WALLS AND AS CLOSE TO THE UNDERSIDE OF THE ROOF FRAMING AS POSSIBLE.
8. COORDINATE POWER AND LIGHTING WORK WITH TENANT DESIGN MANUAL.
9. ELECTRICAL CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS AND FAMILIARIZE THEMSELVES WITH THE SITE BEFORE BID.
10. NO PENETRATION OR SAW CUTTING SHALL BE MADE THROUGH THE SLAB, WITHOUT MANAGEMENT OFFICE APPROVAL AND NOTIFICATION OF DATE AND TIME. X-RAYS OF THE AREA OF THE PROPOSED FLOOR OPENING MUST BE TAKEN BEFORE CENTER MANAGEMENT APPROVAL. A QUALIFIED X-RAY CONTRACTOR TO BE DETERMINED AT THE GENERAL CONTRACTOR'S EXPENSE SHALL PERFORM ALL X-RAYS.
11. CENTER MANAGEMENT OFFICE APPROVAL SHALL NOT RELIEVE CONTRACTOR RESPONSIBILITY FOR DAMAGE TO MALL PROPERTY AND/OR ANY TENANT'S PROPERTY DUE TO PENETRATION OR SAW CUTTING OF THE FLOOR SLAB. CONTRACTOR SHALL COORDINATE WITH THE CENTER MANAGEMENT OFFICE WHEN ANY CORE BORING OR SAW CUTTING OF THE FLOOR SLAB IS ATTEMPTED.
12. ALL PENETRATIONS SHALL BE PROPERLY FIRE SEALED WITH THE APPROPRIATE FIRE RATED PRODUCTS AND FILLED WITH CONCRETE FILLERBEBS.

POWER PLAN NOTES:

1. PROVIDE 3/4" CONDUIT WITH PULLSTRING. ROUTE FROM BACKWRAP TO/FROM TELEPHONE BOARD.
2. PROVIDE 1-1/2" CONDUIT WITH PULLSTRING TO TELEPHONE BOARD.
3. ROUTE (1) 1" CONDUIT FOR POWER AND (1) 1-1/2" CONDUIT FOR DATA UNDER SLAB AND STUB-UP IN CASHWRAP WITH PULLSTRING. VERIFY APPROVED METHOD OF SLAB PENETRATION (CORE DRILLING, SAW CUTTING, ETC.) WITH MALL'S CONSTRUCTION MANAGER PRIOR TO COMMENCING WORK. GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR PATCHING FLOOR AFTER WORK IS COMPLETE. ROUTE ALL THE CONDUITS IN A COMMON TRENCH.
4. PROVIDE 48"x48"x3/4" FIRE RESISTANT PLYWOOD TELEPHONE BACKBOARD MOUNTED SECURELY TO WALL AT 84" A.F.F. TO BOTTOM OF BOARD. PROVIDE (1) 1" CONDUIT FROM LANDLORD TELEPHONE SERVICE TERMINATION POINT TO TENANT SPACE. REFER TO DETAIL 10 ON SHEET A-3.4. COORDINATE ALL REQUIREMENTS WITH LANDLORD AND TELEPHONE COMPANY.
5. DUPLEX RECEPTACLE CENTERED BETWEEN LIGHTS ON SOFFIT. INSTALL WITHIN 18" OF SHOW WINDOW.
6. PROVIDE LOW VOLTAGE TRANSFORMER AT 90" A.F.F., BUZZER NEAR/ABOVE MANAGER'S DESK AT 90" A.F.F., PUSHBUTTON AT 48" A.F.F., AND CHIME (ABOVE CASHWRAP, PAINTED BLACK TO MATCH CEILING) FOR DOORBELL SYSTEM. ALL WIRING TO BE IN CONDUIT. COORDINATE EXACT MOUNTING LOCATIONS AND HEIGHTS WITH OWNER/ARCHITECT. REFER TO 2/E.1.1 AND 9/A.3.4 FOR MORE INFORMATION.
7. REFER TO RISER DIAGRAM 1/E-1.3 FOR MORE INFORMATION.
8. PROVIDE STANDARD OUTLET BOX WITH DUPLEX RECEPTACLE. MOUNT IN THE CENTER OF THE PLATFORM.
9. PROVIDE JUNCTION BOX FOR MOTION DETECTOR. DETECTOR TO BE LOCATED 10" A.F.F., CENTERED ON THE DOOR AND 10" FROM THE INTERIOR FACE OF THE DOOR. ROUTE 3/4" CONDUIT FROM LOW VOLTAGE PANEL THRU THIS LOCATION AND INTO SOFFIT ABOVE ENTRY.

ELECTRICAL DEVICE GUIDE

STOREFRONT PLATFORM AREA - GRAY RECEPTACLE WITH STAINLESS STEEL COVERPLATES
STOREFRONT WALL - BLACK RECEPTACLE WITH BLACK COVER PLATE
SALES FLOOR - BLACK RECEPTACLE WITH BLACK COVER PLATE
FITTING ROOMS AND FITTING ROOM VESTIBULE - BLACK RECEPTACLE WITH BLACK COVER PLATE
STOCK ROOM AND EXIT HALLWAY - WHITE RECEPTACLE WITH STAINLESS COVER PLATE
FITTING ROOM OCCUPANCY SENSOR - BLACK WITH BLACK COVER PLATES
TOILET ROOM OCCUPANCY SENSOR - WHITE WITH WHITE COVER PLATES

BID ALTERNATE
FLOOR BOXES MAY BE PVC INSTEAD OF CAST IRON/STAMPED STEEL AS PERMITTED.

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FL CERTIFICATE OF AUTHORIZATION # EB 7606
EXPIRES 02/28/19

POWER PLAN, SIGNAL PLAN

DRAWN BY: RPH
CHECKED BY: ELW
JOB NUMBER: 17182-522
SHEET NAME: E-1.1