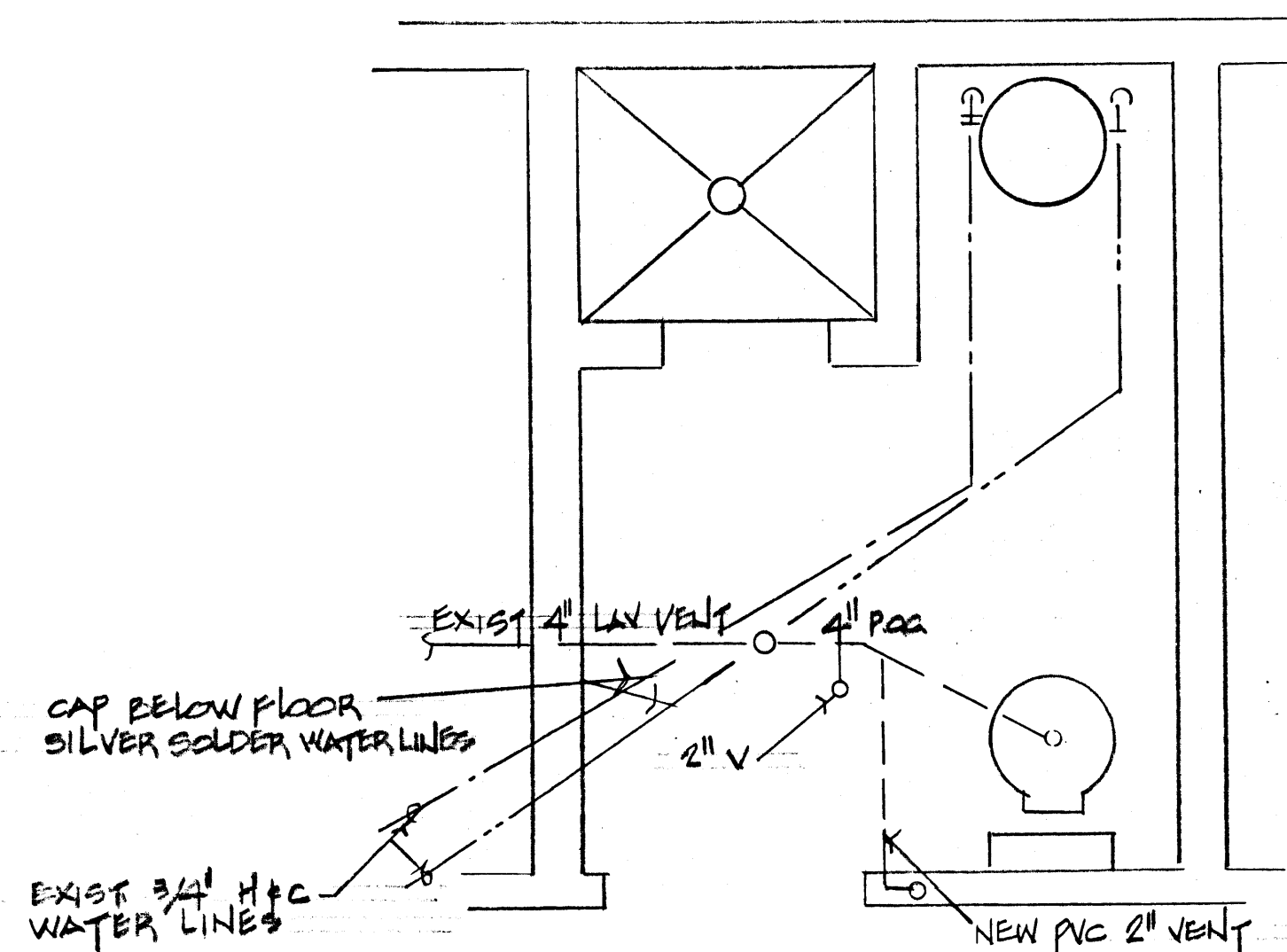
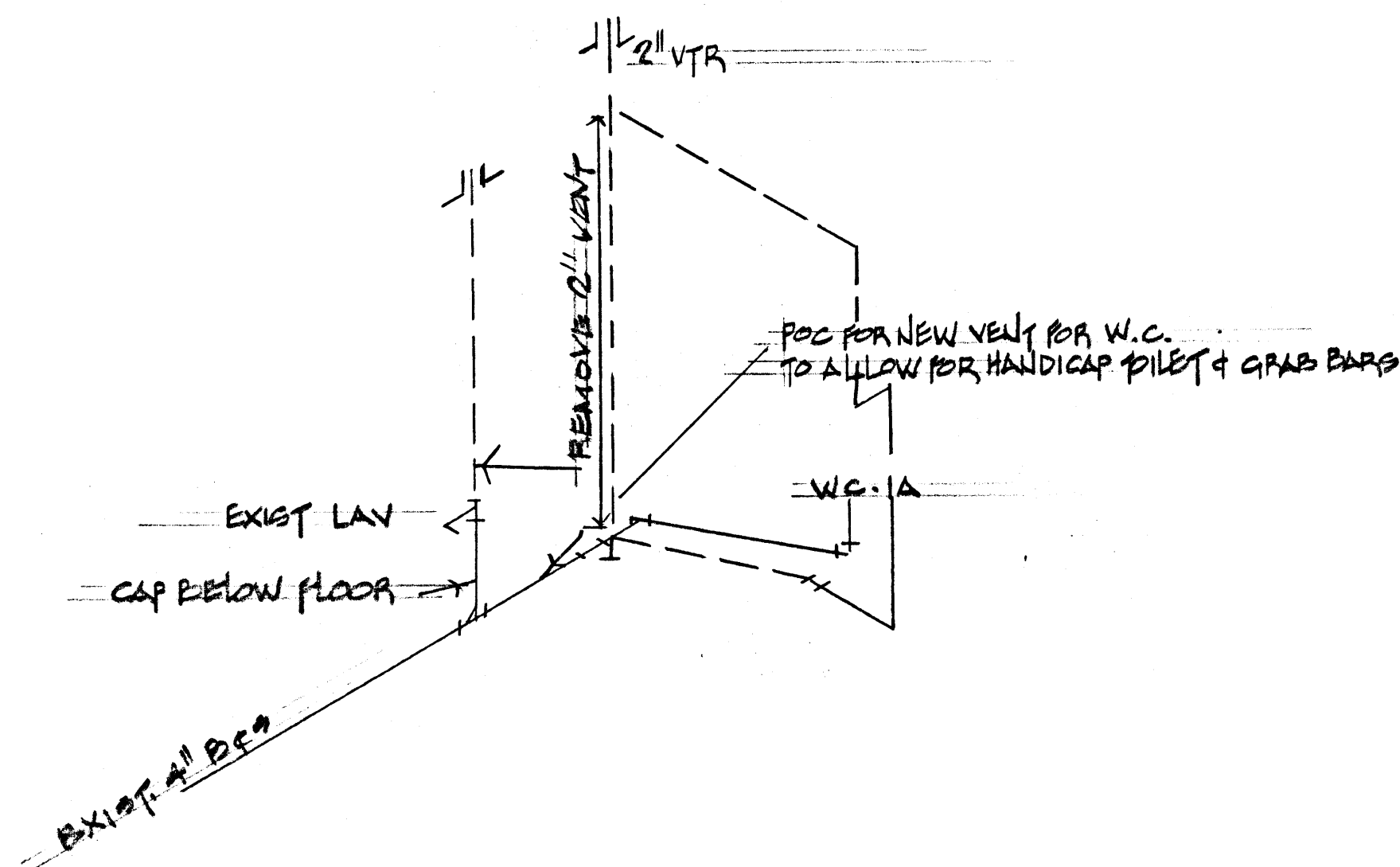
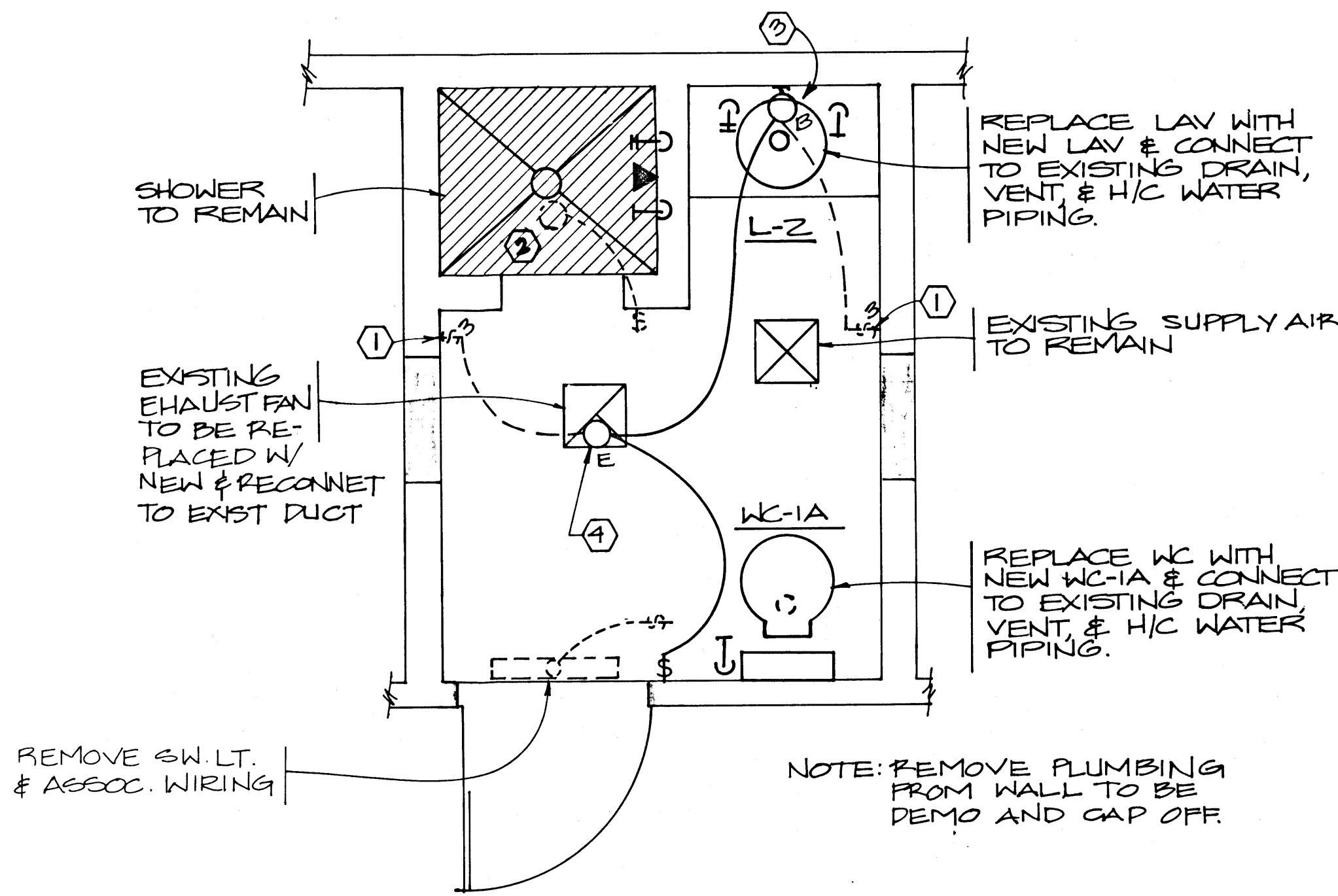




AS BUILT

ELECTRICAL SPECIFICATIONS	
1.	THE DRAWINGS INDICATE THE GENERAL ARRANGEMENT AND LOCATIONS OF THE ELECTRICAL WORK. DATA PRESENTED ON THESE DRAWINGS ARE AS ACCURATE AS PLANNING CAN DETERMINE, BUT ACCURACY IS NOT GUARANTEED AND FIELD VERIFICATION OF EXISTING CONDITIONS, TO SUIT FIELD CONDITIONS IS REQUIRED. REVIEW ARCHITECTURAL, STRUCTURAL, VENDOR DRAWINGS AND MECHANICAL DRAWINGS AND ADJUST ALL WORK TO MEET THE REQUIREMENTS OF CONDITIONS SHOWN. DISCREPANCIES BETWEEN DIFFERENT PLANS, OR BETWEEN DRAWINGS AND SPECIFICATIONS, OR REGULATIONS AND CODES GOVERNING THE INSTALLATION SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER IN WRITING BEFORE THE DATE OF BID OPENING. IF DISCREPANCIES ARE NOT REPORTED, THE CONTRACTOR SHALL BID THE GREATER QUANTITY OR BETTER QUALITY, AND APPROPRIATE ADJUSTMENTS WILL BE MADE AFTER CONTRACT AWARD. CONTRACTOR SHALL BE RESPONSIBLE TO FIELD MEASURE AND CONFIRM MOUNTING HEIGHTS AND LOCATION OF ELECTRICAL EQUIPMENT WITH RESPECT TO COUNTERS, RADIATION, ETC. DO NOT SCALE DISTANCES OFF THE ELECTRICAL DRAWINGS. USE ACTUAL BUILDING DIMENSIONS.
2.	FURNISH LABOR, MATERIALS, EQUIPMENT, TOOLS, ACCESSORIES, ETC. REQUIRED FOR A COMPLETE ELECTRICAL SYSTEM IN ACCORDANCE WITH THE DRAWINGS TOGETHER WITH THE SPECIFICATIONS.
3.	WORK AND MATERIALS SHALL BE IN FULL ACCORDANCE WITH THE LATEST EDITION OF THE NEC AND OTHER APPLICABLE STATE OR LOCAL LAWS OR REGULATIONS.
4.	GROUND ELECTRICAL EQUIPMENT AND THE SYSTEM NEUTRAL IN ACCORDANCE WITH ARTICLE 250 OF THE NEC, AND AS PER LOCAL CODES.
5.	THE CONTRACTOR SHALL VISIT THE SITE TO DETERMINE EXISTING CONDITIONS PRIOR TO BIDDING. NO EXTRAS WILL BE ALLOWED FOR FAILURE TO UNDERSTAND EXISTING CONDITIONS.
6.	WIRING SHALL BE DONE IN CONDUIT AND OUTLET BOX SYSTEM, EMT MAY BE USED IN DRY LOCATIONS ONLY; RGS, PVC, OR IMC MAY BE USED IN OR UNDER THE SLAB WITH WRAPPED RIGID STEEL ELBOWS UP THROUGH SLAB. EMT FITTINGS SHALL BE MALLEABLE IRON OR STEEL WATERTIGHT SET-SCREW TYPE. CONNECTIONS SHALL BE INSULATED THROAT TYPE. NON-METALLIC AND FLEXIBLE METAL CONDUITS SHALL HAVE A CODE SIZED COPPER GROUNDING CONDUCTOR. INCREASE CONDUIT SIZE AS REQUIRED. CONDUITS PENETRATING THROUGH ROOF SHALL HAVE LEAD ROOF FLASHING WITH CAULK-TYPE COUNTER FLASHING SLEEVE. INSTALLATION SHALL BE WATERTIGHT IN A METHOD APPROVED BY A ROOFING CONTRACTOR. EMPTY CONDUITS SHALL HAVE A 12 AWG PULL WIRE INSTALLED.
7.	OBTAIN AND PAY FOR BUILDING AND WORKING PERMITS AND INSPECTION FEES REQUIRED FOR THIS PROJECT.
8.	FURNISH MATERIALS FOR TEMPORARY LIGHTS AND WIRING REQUIRED DURING THE CONSTRUCTION OF THE BUILDING FOR TRADES THAT REQUIRE POWER. COMPLY WITH OSHA AND NEC REQUIREMENTS.
9.	GARANTEE WORK AND MATERIALS TO BE FREE FROM DEFECTS IN WORKMANSHIP AND MATERIALS FOR A PERIOD OF ONE YEAR FROM THE DATE OF FINAL ACCEPTANCE. PROMPTLY REMEDY SUCH DEFECTS AND ANY DAMAGE TO PROPERTY DONE DURING REPAIR WORK AT NO EXPENSE TO THE OWNER. LIGHT BULBS ARE EXEMPT FROM THIS GUARANTEE, BUT MUST BE NEW AT THE TIME OF FINAL ACCEPTANCE.
10.	MATERIALS SHALL BE NEW AND OF THE HIGHEST QUALITY AVAILABLE.
11.	FINAL CONNECTIONS TO EQUIPMENT SHALL BE PER MANUFACTURER'S APPROVED WIRING DIAGRAMS, DETAILS, AND INSTRUCTIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE MATERIALS AND EQUIPMENT COMPATIBLE WITH EQUIPMENT ACTUALLY SUPPLIED.
12.	VERIFY EXACT LOCATIONS OF EQUIPMENT TO BE FURNISHED BY OTHERS PRIOR TO ROUGH-IN.
13.	CIRCUIT BREAKERS SHALL BE BOLT-ON TYPE AND ALL FUSES SHALL BE BUSSMAN. WHERE ADDING CIRCUIT BREAKERS TO EXISTING PANELS, CIRCUIT BREAKERS SHALL BE THE SAME TYPE AND MANUFACTURER AS EXISTING.
14.	FINAL CONNECTIONS TO MOTORS, TRANSFORMERS, AND OTHER VIBRATING EQUIPMENT SHALL BE WITH SEAL TITE FLEX AND APPROVED FITTINGS. DO NOT SECURE CONDUITS TO DUCTWORK.
15.	WIRE SHALL BE COPPER. NO EXCEPTIONS.
16.	WIRING DEVICES SHALL BE SPECIFICATION GRADE AND RATED AT 20 AMPS.
17.	PANEL DIRECTORIES SHALL BE REMOVABLE. ROOM NAMES AND NUMBERS SHALL BE AS DIRECTED BY OWNER. ALL DIRECTORIES SHALL BE TYPED AND INSTALLED UNDER CLEAR PLASTIC COVERS. WHERE ADDING CIRCUITS TO AN EXISTING PANEL, PROVIDE A NEW TYPED DIRECTORY.
18.	SYSTEMS SHALL BE TESTED FOR PROPER OPERATION. IF TESTS SHOWN THAT WORK IS DEFECTIVE, CONTRACTOR SHALL MAKE CORRECTIONS NECESSARY AT NO COST TO OWNER.
19.	SUBMIT SHOP DRAWINGS TO ENGINEER WITH LITERATURE AND DRAWINGS FOR ENTIRE PROJECT, BOUND IN THREE-RING BINDERS, INDEXED IN A NEAT AND ORDERLY MANNER. PARTIAL SUBMITTALS WILL NOT BE ACCEPTED. SUBMIT SEVEN (7) SETS OF SHOP DRAWINGS ON MAJOR EQUIPMENT AS DIRECTED BY THE ENGINEER.
20.	PROVIDE "AS-BUILT" DRAWINGS AND TWO (2) SETS OF MAINTENANCE MANUALS TO ENGINEER.

ELECTRICAL NOTES	
①	REMOVE THREE-WAY SWITCHES AND ASSOCIATED WIRING.
②	SHOWER LIGHT AND SWITCH TO REMAIN AS IS.
③	EXISTING WALL LIGHT TO BE REPLACED WITH A TYPE "B" LIGHT FIXTURE, REWIRE AS SHOWN.
④	NEW SWITCH AND TYPE "E" LIGHT/FAN, REWIRE TO EXISTING CIRCUIT.



MECHANICAL FLOOR PLAN
SCALE: 1/2"=1'-0"

AS-BUILT DRAWINGS

Patrick J. Nien AIA
Wayne P. Schreiner AIA
Thomas M. Silver AIA

HSA Architects, Inc.
ARCHITECTURE PLANNING INTERIORS
1331 West Oakley Boulevard, Las Vegas, Nevada 89102
(702) 383-0077

Sheet Title: FIRE STATION # 6 MECH PLAN/ELECTRICAL
Job Title: FEMALE FIRE FIGHTERS BATHROOM FACILITY ADDITIONS
Date: JAN 29, 91
Drawn By: LDG
Check: MDS
Sheet: ME-3
3 of 5

Verify all Dimensions and Conditions at the Site

4-154
630-83