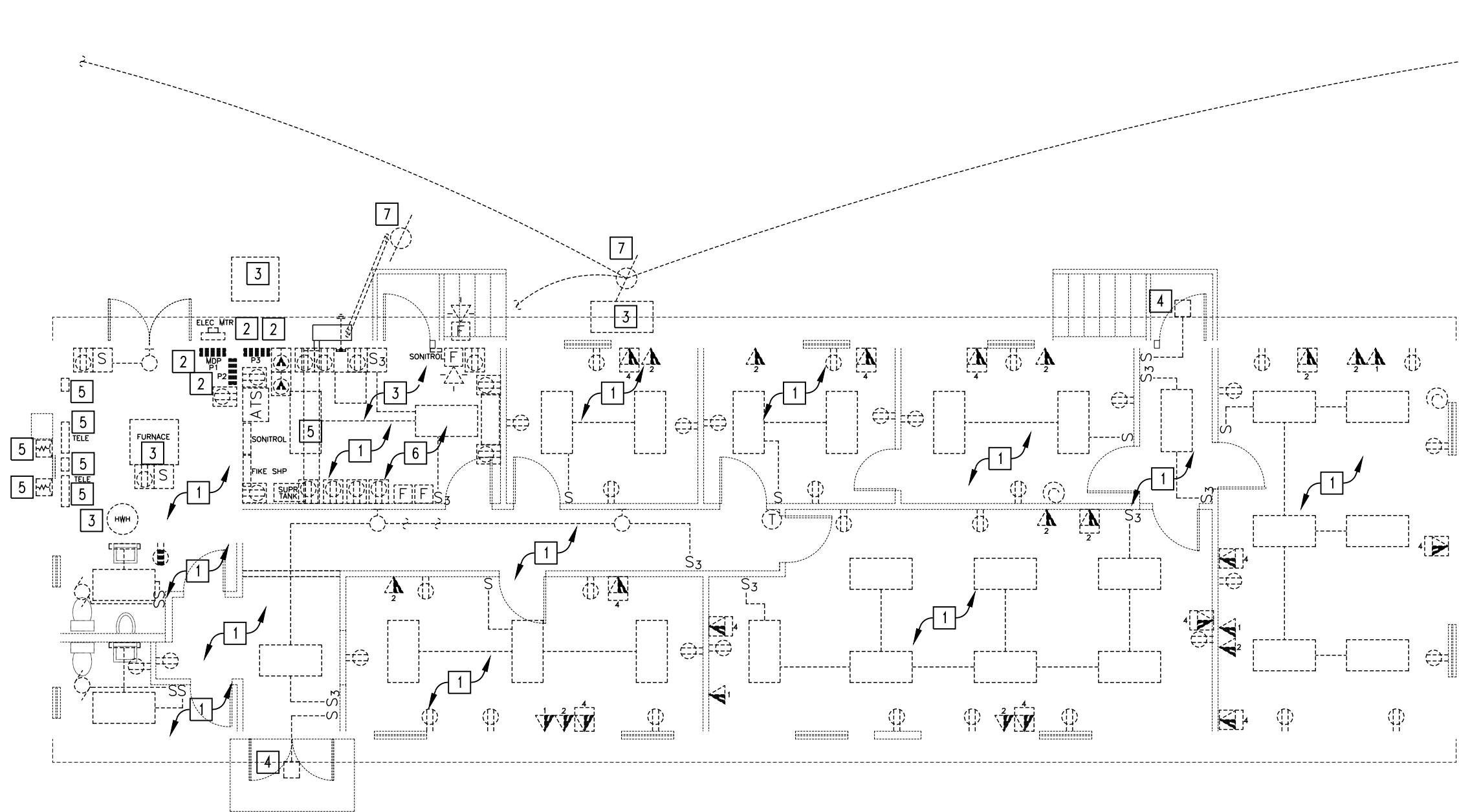
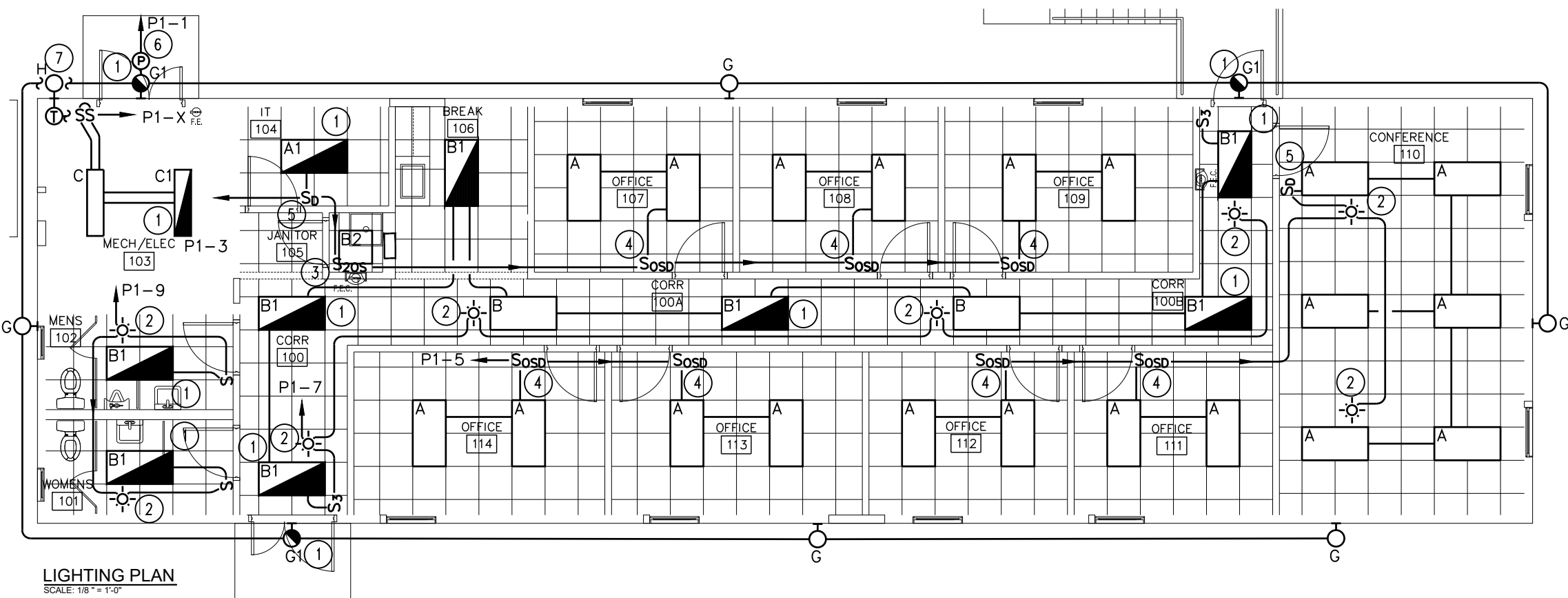


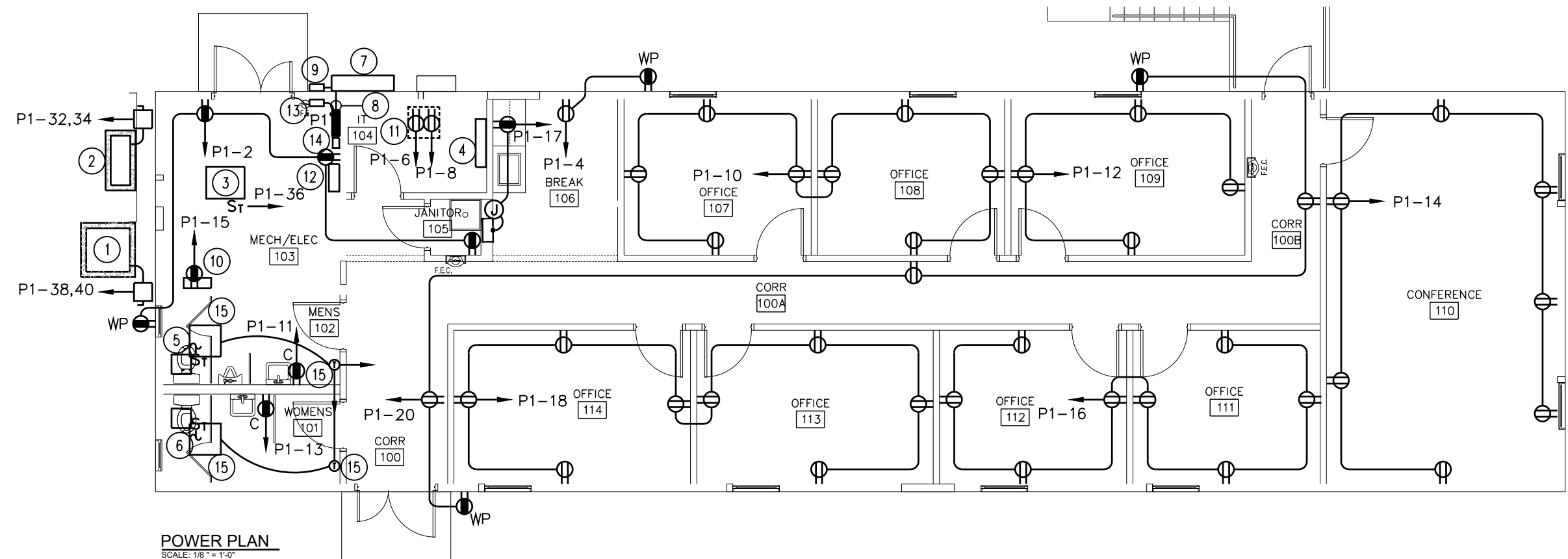
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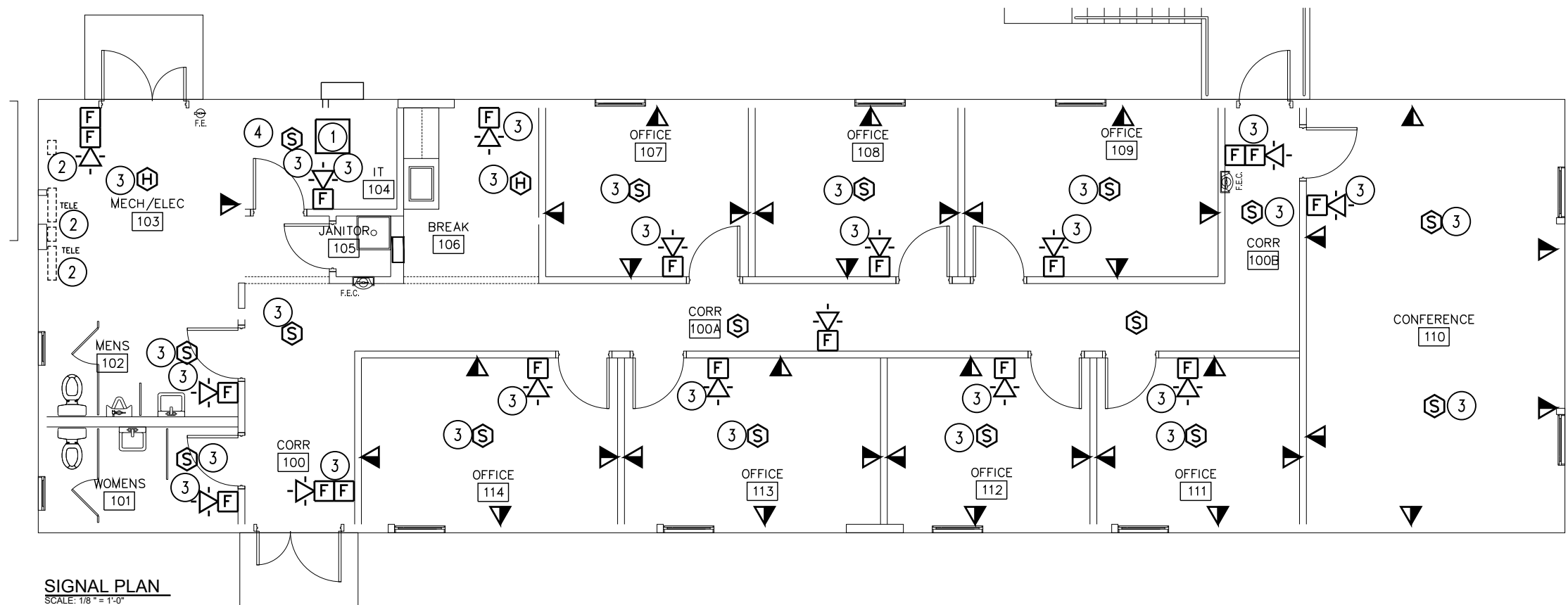
DEMOLITION PLAN  
SCALE 1/8" = 1'-0"



LIGHTING PLAN  
SCALE 1/8" = 1'-0"



POWER PLAN  
SCALE 1/8" = 1'-0"



SIGNAL PLAN  
SCALE 1/8" = 1'-0"

## GENERAL NOTES FOR ALL ELECTRICAL DEMOLITION PLANS

- WHEN A DEVICE IS REMOVED, IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN CIRCUITING TO UPSTREAM OR DOWNSTREAM DEVICES TO REMAIN FOR FULL OPERATION. WHEN A "CIRCUIT" IS TO BE REMOVED, THE CIRCUIT SHALL BE REMOVED ONLY IF THE PARTICULAR DEVICES ARE THE ONLY ITEMS ON THE CIRCUIT. IF THERE ARE OTHER DEVICES OR EQUIPMENT ON THE CIRCUIT, ONLY THE DEVICE OR EQUIPMENT SHALL BE REMOVED. MAINTAIN CIRCUITRY TO REMAINING DEVICES AS REQUIRED.
- IN GENERAL, ALL DEVICES, OUTLETS, CONDUIT, WIRING, LIGHTING FIXTURES, AND EQUIPMENT ARE TO BE REMOVED UNLESS NOTED OTHERWISE (UNO).
- ALL MATERIALS REMOVED BECOME THE PROPERTY OF THE CONTRACTOR UNO AND SHALL BE REMOVED FROM THE PROJECT SITE IN A LEGAL MANNER AFTER DMVA HAS RECEIVED THE FIRST RIGHT OF REFUSAL. ALL MATERIALS SPECIFIED TO BE TURNED OVER TO DMVA PERSONNEL SHALL BE IN THE CONDITION IN WHICH THEY WERE PRIOR TO REMOVAL.
- CONDUIT SYSTEMS AND WIRING MAY BE RE-USED IF THEY ARE IN EXCELLENT CONDITION, OF THE PROPER SIZE AND RATING, AND IN THE PROXIMITY TO WHERE THEY ARE NEEDED. OTHERWISE, UNLESS NOTED TO REMAIN, SHALL BE REMOVED. THE CONTRACTOR IS RESPONSIBLE FOR ALL CIRCUITING ON THE NEW WORK PLANS WHETHER UTILIZING EXISTING OR PROVIDING NEW. ALL CIRCUITING MUST BE MODERN THHN/THWN, CU CONDUCTOR BUILDING WIRE IN EMT CONDUIT IN ORDER TO BE RE-USED, OTHERWISE, IT MUST BE REPLACED. CABLE IS NOT ALLOWED UNO.
- IN GENERAL, SYMBOLS INSIDE A BOX REPRESENT SURFACE MOUNTED DEVICES. SYMBOLS WITHOUT A BOX REPRESENT FLUSH MOUNTED DEVICES. WHEN A DEVICE IS INDICATED TO BE REMOVED, ALL ASSOCIATED ACCESSIBLE CONDUIT, SURFACE METAL RACEWAY, WIRING, AND BOXES SHALL BE REMOVED BACK TO SOURCE. PROVIDE BLANK COVERS FOR FLUSH MOUNTED BOXES IF NOT RE-USED.
- WHEN ELECTRICAL EQUIPMENT IS TO BE REMOVED, THE E.C. SHALL REMOVE ALL CONDUIT, WIRE, HANGERS, SUPPORTS, BOXES, ETC. BACK TO SOURCE.
- IN GENERAL, ITEMS TO BE REMOVED ARE DASHED, AND THOSE THAT ARE TO BE RE-CONNECTED AND/OR REMAIN ARE LIGHT AND SOLID.
- THE INTENTION IS TO REMOVE ALL EXISTING ELECTRICAL CONDUIT, WIRE, BOXES, HANGERS, PANELS, LIGHT FIXTURES, ETC., WITH THE EXCEPTION OF THE (2) EXTERIOR CT CABINETS. UTILIZE EXISTING SERVICE FOR TEMPORARY POWER AS LONG AS POSSIBLE.

## DEMOLITION PLAN NOTES:

- ALL EXISTING ELECTRICAL OUTLETS, DEVICES, LIGHTING FIXTURES, SWITCHES, AND DATA OUTLETS SHALL BE REMOVED THIS AREA UNO. REMOVE ALL EXISTING CONDUIT, WIRE, AND BOXES DOWN TO ORIGINAL CONSTRUCTION BACK TO POINT OF SERVICE UNLESS BEING RE-USED.
- EXISTING ELECTRICAL EQUIPMENT TO BE REMOVED. COORDINATE TEMP. POWER PRIOR TO DEMO OF PANELBOARD.
- EXISTING MECHANICAL EQUIPMENT TO BE REMOVED.
- EXISTING EXTERIOR MOUNTED FIXTURE TO BE REMOVED. SEE LIGHTING PLAN FOR NEW INSTALLATIONS.
- COMM TO BE REMOVED. COORDINATE WITH J6/COMM PERSONNEL PRIOR TO ANY DATA/COMM DEMOLITION. EXISTING LADDER TRAY TO BE REMOVED AND TURNED OVER TO J6.
- EXISTING ATS, FIRE ALARM SYSTEM (FIRE SUPPRESSION TANK BY P.C.), INTRUSION DETECTION SYSTEM, SHALL BE TURNED OVER TO DIM.
- EXISTING POLE TO BE REMOVED BY DIM AT A TIME COORDINATED BY E.C. SEE RISER DIAGRAM.

## LIGHTING PLAN NOTES:

- EXTEND AND CONNECT EMERGENCY BATTERY FOR EMERGENCY LIGHTING UNITS AND EXITS TO UNSWITCHED HOT LEG OF LIGHTING CIRCUIT IN THE AREA IN WHICH IT SERVES.
- LINE VOLTAGE CEILING MOUNTED OCCUPANCY SENSOR, 2 POLE, SENSORSWITCH #JOMR-PDT-9-2P OR APPROVED EQUAL. IF MULTIPLE CONTROLS, THEN WIRE IN PARALLEL SUCH THAT IF ANY SENSOR IS ACTIVATED, THE LIGHTS TURN ON. MANUAL SWITCHING SHALL BE ON THE LOAD SIDE OF THE SENSOR.
- LINE VOLTAGE WALL BOX OCCUPANCY SENSOR, 2 POLE, SENSORSWITCH #WSD-PDT-2P-GY OR APPROVED EQUAL.
- LINE VOLTAGE WALL BOX OCCUPANCY SENSOR/0-10V DIMMER, HUBBELL #LHDMRS3-N-GY OR APPROVED EQUAL.
- WALL BOX DIMMER, HUBBELL #PSD710-UNV-WXL WITH #PSDKIT-LL-GY COLOR CHANGE KIT. WIRE AS PER MANUFACTURERS INSTRUCTIONS.
- WIRE EXTERIOR LIGHTS VIA 2 CHANNEL ASTRONOMIC DIGITAL TIMECLOCK. WIRE LIGHTING FOR PHOTOCCELL ON/TIMECLOCK OFF OPERATION.
- FREEZE PROTECTION WARNING LIGHT, WIRE VIA REVERSE ACTING STAT AND EXTEND TO NEAREST CONVENIENCE OUTLET, SEE POWER PLAN.

## POWER PLAN NOTES:

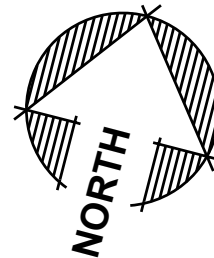
- CU-1 BY H.C., 230V-1Ø, 27.0 FLA, 33.9 MCA. PROVIDE 60A-2P WP FDS, FUSE AT 50A.
- CU-2 BY H.C., 208V-1Ø, 14.7 FLA, 16.0 MCA. PROVIDE 30A-2P WP FDS, FUSE AT 25A.
- AHU-1 BY H.C., 120V-1Ø, 11.0 FLA, 13.8 MCA. PROVIDE THERMALLY PROTECTED SWITCH AS DISCONNECTING MEANS.
- FC-1 BY H.C., FED VIA CU-2 VIA LINESSET CONTROL CABLE.
- EF-1 BY H.C., 120V-1Ø, .75 FLA, PROVIDE THERMALLY PROTECTED SNAP SWITCH AS DISCONNECTING MEANS. EXTEND AND CONNECT TO 2ND CHANNEL OF OCC SENSOR AS REQUIRED.
- EF-2 BY H.C., 120V-1Ø, .5 FLA, PROVIDE THERMALLY PROTECTED SNAP SWITCH AS DISCONNECTING MEANS, EXTEND AND CONNECT TO 2ND CHANNEL OF OCC SENSOR AS REQUIRED.
- PROVIDE 4'x4'x1' DEEP CT CABINET. ROUTE SECONDARY THRU CT CABINET TO NEW PANEL.
- PROVIDE NEW 3#3/0 IN 2" CONDUIT TO NEW PANEL.
- PROVIDE SQUARE D 5563 METER IN ENCLOSURE. PROVIDE 200A CT'S AND A 1 1/2" CONDUIT TO CT CABINET. SEE RISER DIAGRAM FRO ADDITIONAL WORK.
- WH-1 BY P.C., 120V-1Ø, 2.0 AMPS. PROVIDE CORD AND PLUG SET.
- IT FLOOR MOUNTED RACK. PROVIDE RECEPTACLES MOUNTED TO TOP OF RACK. SEE TECH PLAN THIS DWG.
- BMS PANEL BY H.C., 120V-1Ø. PROVIDE RS485 SHIELDED PAIR CABLE TO OWNER ELECTRIC METER WIRE MODBUS IN ADDITION TO THE CAT6 CABLE FROM THE BMS PANEL TO THE IT RACK. PROVIDE CORD AND PLUG SET. VERIFY LOCATION WITH H.C. PRIOR TO ROUGH IN.
- SPD FOR 120/240-1Ø SERVICE. PROVIDE MANUFACTURER'S RECOMMENDED BRANCH CIRCUIT FOR PROPER OPERATION.
- 2-CHANNEL DIGITAL ASTRONOMIC TIMECLOCK, SEE RISER DIAGRAM.
- RH-1 BY H.C., 120V-1Ø, 375W. H.C. SHALL FURNISH RH-1 AND TSTAT, WIRED BY E.C.

## SIGNAL PLAN NOTES:

- IT FLOOR MOUNTED RACK WITH BOTH HORIZONTAL AND VERTICAL WIRE MANAGEMENT. PROVIDE CAT6 CABLE TERMINATIONS IN MULTIPLES OF 48 PORT PATCH PANELS AS NECESSARY.
- J6/IT STAFF WILL EXTEND AND CONNECT EXISTING FIBER AND CU COMMUNICATIONS CABLE TO RACK AND PROVIDE NECESSARY EQUIPMENT, TESTING, AND TERMINATIONS FOR SUCH WORK. COORDINATE ALL ACTIVITIES WITH IT STAFF PRIOR TO EXECUTION.
- FIRE ALARM DEVICE ROUGH-IN ONLY. PROVIDE 4" SQUARE, DEEP BOXES FOR ANNUNCIATORS AND DOUBLE GANG BOX FOR PULL STATIONS. CEILING DETECTORS FURNISHED WITH SQUARE BOXES ABOVE CEILINGS. RUN ALL EMT CONDUIT TO LOCATION OF FUTURE FIRE PANEL IN IT CLOSET. PROVIDE SEPARATE EMT CONDUIT PATHS FOR (1) FOR ALL ANNUNCIATION DEVICES, (1) FOR ALL MANUAL PULL, AND (1) FOR ALL AUTOMATIC SENSORS.
- FUTURE FIRE ALARM PANEL.

## GENERAL NOTES FOR ALL ELECTRICAL PLANS

- VERIFY LOCATION OF ALL EQUIPMENT TO BE CONNECTED PRIOR TO ROUGH-IN.
- ALL WORK MUST MEET UCC REQUIREMENTS. ALL WORK MUST MEET NEC, 2017.
- THE ELECTRICAL CONTRACTOR (E.C.) SHALL PROVIDE ALL MATERIALS AND WORK FOR A COMPLETE AND OPERATIONAL SYSTEM. THE E.C. IS RESPONSIBLE FOR ALL "WAYS AND MEANS OF CONSTRUCTION" NOT SPECIFICALLY DETAILED, I.E. JUNCTION BOXES, ETC.
- ALL ELECTRICAL EQUIPMENT AND/OR CONNECTIONS ARE BY E.C. UNLESS NOTED OTHERWISE. THE E.C. SHALL BECOME FAMILIAR WITH ALL OF THE CONTRACT DOCUMENTS TO VERIFY ALL ELECTRICAL REQUIREMENTS REGARDING EXISTING CONDITIONS AND INTENDED FINAL RESULT.
- ALL ELECTRICAL PENETRATIONS THROUGH MECHANICAL ROOMS, CORRIDORS, STAIRWAYS AND FROM FLOOR TO FLOOR SHALL BE 1 HOUR RATED AND SHALL BE BY MANUFACTURER'S DETAILS. THE DETAILS SHALL MEET OR EXCEED RATINGS OF CONSTRUCTION BEING PENETRATED. PENETRATION DETAILS SHALL BE EXACTLY AS TESTED BY AN APPROVED TESTING LABORATORY OR AGENCY AND SHALL INCLUDE THEIR SYSTEM NUMBERS ON SUBMITTALS.
- WHEN THE PHRASE "EXTEND AND CONNECT" IS USED IN ANY VARIATION, IT SHALL MEAN TO PROVIDE CONDUIT AND WIRE AS INDICATED FOR THE ASSOCIATED CIRCUIT, TO THE POINT INDICATED EITHER IN THE NOTE OR ON THE DRAWING. PROVIDE ALL TERMINATIONS, BOXES, CONDUIT, WIRE, CONNECTORS, ETC. FOR A COMPLETE AND OPERATIONAL SYSTEM.
- THE DRAWINGS ARE NOT INDICATIVE OF SOME MINOR MODIFICATIONS NECESSARY TO PERFORM THE SCOPE OF WORK, I.E. THE MOUNTING OF SUPPORTS, BRACKETS, AND THE LIKE. THE CONTRACTOR IS RESPONSIBLE FOR ALL MATERIALS AND LABOR TO PERFORM THE SCOPE OF WORK SUCH THAT THE END RESULT IS A COMPLETE AND OPERATIONAL SYSTEM, AS APPROVED BY DMVA.
- THE OCCUPANCY SENSORS SHALL BE WIRED SUCH THAT CHANNEL 1 SHALL BE WIRED TO THE SINGLE LAMP BALLAST, AND CHANNEL 2 SHALL BE WIRED TO THE TWO LAMP BALLAST. CHANNEL 2 SHALL BE CONFIGURED FOR MANUAL ON ONLY. WHEN THE 2ND CHANNEL IS NOT USED, IT SHALL BE CAPPED AND MADE SPARE. RESTROOM OCCUPANCY SENSORS SHALL BE WIRED SUCH THAT CHANNEL 1 CONTROLS THE LIGHTING AND CHANNEL 2 CONTROLS THE EXHAUST FAN. THE TIME SETTING FOR EXHAUST FAN SHALL BE 5 MINUTES LONGER THAN LIGHTING. ALL OTHER TIME SETTINGS SHALL BE SET AT 10 MINUTES.
- DATA OUTLETS SHOWN ON THESE PLANS SHALL CONSIST OF SINGLE OUTLET BOX, (2) 4 PAIR CAT6 CABLES IN 1" CONDUIT STUB UP TO ABOVE ACCESSIBLE CEILING WITH BUSHING, ROUTE CAT6 CABLE TO IT CLOSET AND EXTEND CABLES TO PATCH PANEL IN DATA RACK. PROVIDE 4 PORT COVER AND ALL TERMINATIONS.
- THE CONTRACTOR (EC) IS RESPONSIBLE TO COORDINATE WITH OTHER TRADES OF DIM FOR ANY RENOVATIONS AND/OR MODIFICATIONS REQUIRING THEIR ATTENTION.
- NEUTRAL SHARING IS NOT ACCEPTABLE. ALL BRANCH CIRCUITS AND FEEDERS SHALL INCLUDE A DEDICATED NEUTRAL.
- PROVIDE A 3 WIRE FEED TO EVERY DEVICE (MINIMUM), TO INCLUDE SWITCH BOXES. THIS SHALL INCLUDE A HOT, NEUTRAL, AND GROUND.
- ALL HOMERUNS SHALL BE WITH EMT AND SHALL BE RUN TO A JUNCTION BOX ABOVE CEILING NEAREST LOCATION. MC CABLE IS ACCEPTABLE FOR CONTINUATION OF BRANCH CIRCUIT IN WALLS, HOWEVER ALL BRANCH CIRCUIT WIRING ABOVE CEILING SHALL BE EMT CONDUIT. NO BRANCH CIRCUITS OR FEEDERS SHALL BE RUN UNDER FLOOR UNLESS SPECIFICALLY AUTHORIZED.
- ALL WALL MOUNTED BOXES SHALL BE 4"x4" DOUBLE GANG BOXES WITH BOTH GANGS ACCESSIBLE. CONTRACTOR SHALL PROVIDE APPROPRIATE MUD RINGS AND COVER PLATES FOR PROPER APPEARANCE AND TO MEET NEC REQUIREMENTS.
- ALL ELECTRICAL MATERIALS SHALL BE BAA AND BABA COMPLIANT WHENEVER POSSIBLE.



NO.	DESCRIPTION	DATE
REVISIONS		
Professional's Signature _____ Date _____		
COMMONWEALTH OF PENNSYLVANIA DEPT. OF MILITARY & VETERANS' AFFAIRS ANNVILLE, PENNSYLVANIA 17003		
DESIGN PROFESSIONALS: OFFICE OF FACILITIES AND ENGINEERING BUREAU OF DESIGN AND PROJECT MANAGEMENT BLDG. 0-10, FORT INDIANTOWN GAP ANNVILLE, LEBANON COUNTY, PENNSYLVANIA		
PROJECT NO. 42200129		
BUILDING 12-07 RENOVATION CLEMENT AVE, FORT INDIANTOWN GAP ANNVILLE, LEBANON COUNTY, PENNSYLVANIA		
FLOOR PLANS		
<b>VERIFY SCALE</b>  BAR IS ONE (1) INCH LONG ON ORIGINAL DRAWING:  0 1  IF BAR IS NOT ONE (1) INCH LONG, ADJUST SCALE ACCORDINGLY	DRAWN BY <b>B. BARGER</b>	DATE <b>1 DEC 2023</b>
	CHECKED BY <b>D. HEALEY</b>	SCALE <b>AS NOTED</b>
	DRAWING NO. <b>E.1.1</b>	
	CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS. VARIANCE FROM CONTRACT DOCUMENTS NOT PERMITTED WITHOUT BUREAU OF ENGINEERING AND ARCHITECTURE APPROVAL.	