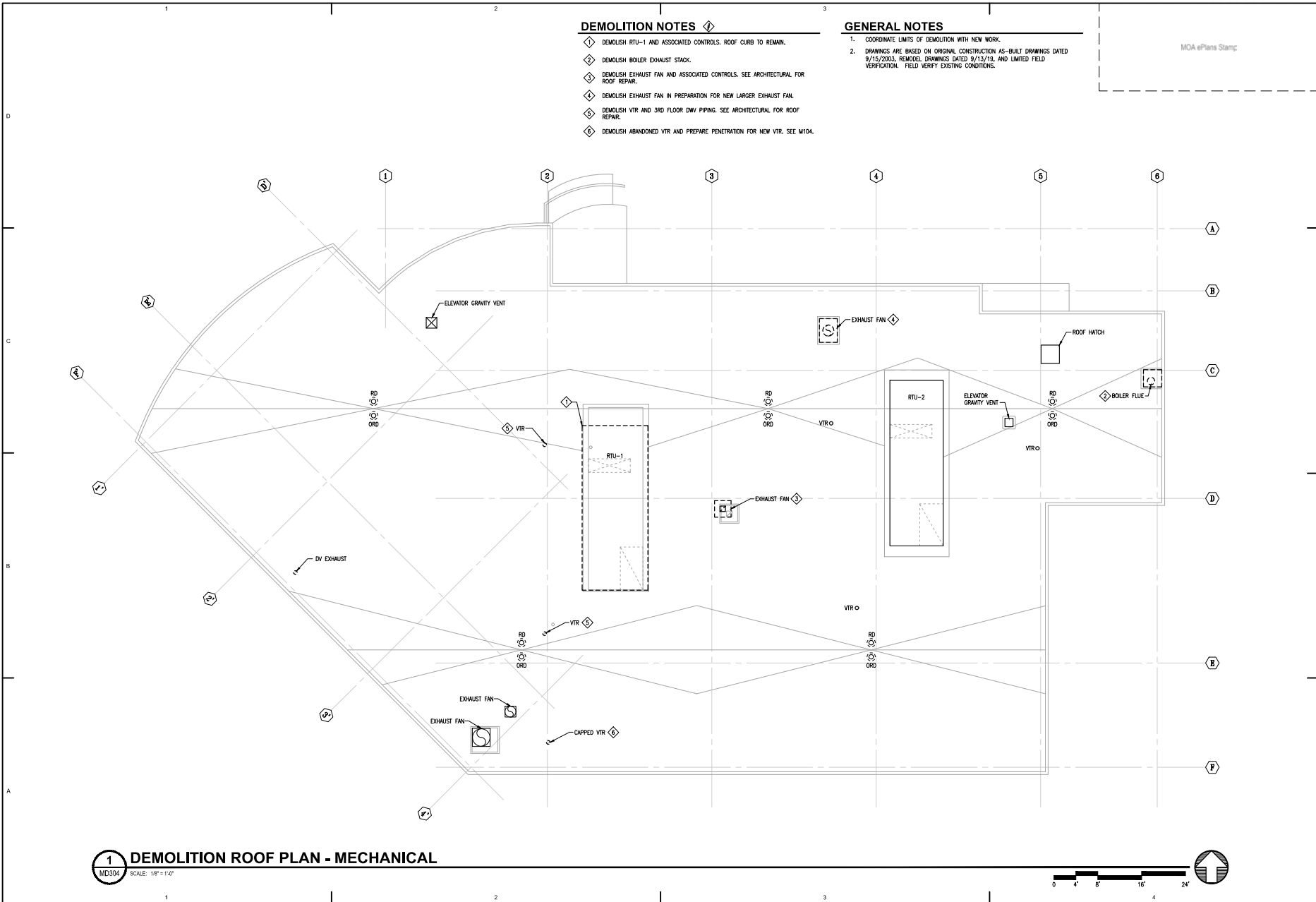


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- DEMOLITION NOTES**
- ◇ DEMOLISH RTU-1 AND ASSOCIATED CONTROLS. ROOF CURB TO REMAIN.
 - ◇ DEMOLISH BOILER EXHAUST STACK.
 - ◇ DEMOLISH EXHAUST FAN AND ASSOCIATED CONTROLS. SEE ARCHITECTURAL FOR ROOF REPAIR.
 - ◇ DEMOLISH EXHAUST FAN IN PREPARATION FOR NEW LARGER EXHAUST FAN.
 - ◇ DEMOLISH VTR AND 3RD FLOOR DW PIPING. SEE ARCHITECTURAL FOR ROOF REPAIR.
 - ◇ DEMOLISH ABANDONED VTR AND PREPARE PENETRATION FOR NEW VTR. SEE M104.

- GENERAL NOTES**
1. COORDINATE LIMITS OF DEMOLITION WITH NEW WORK.
 2. DRAWINGS ARE BASED ON ORIGINAL CONSTRUCTION AS-BUILT DRAWINGS DATED 9/15/2003, REMODEL DRAWINGS DATED 9/15/19, AND LIMITED FIELD VERIFICATION. FIELD VERIFY EXISTING CONDITIONS.

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Revisions

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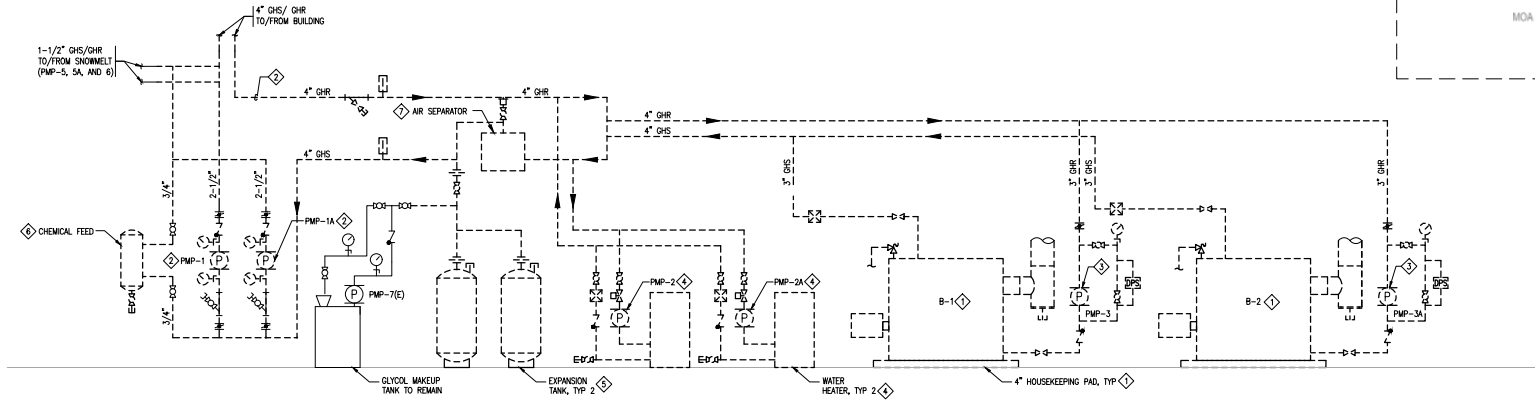
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Sheet Contents
 DEMOLITION ROOF PLAN
 - MECHANICAL

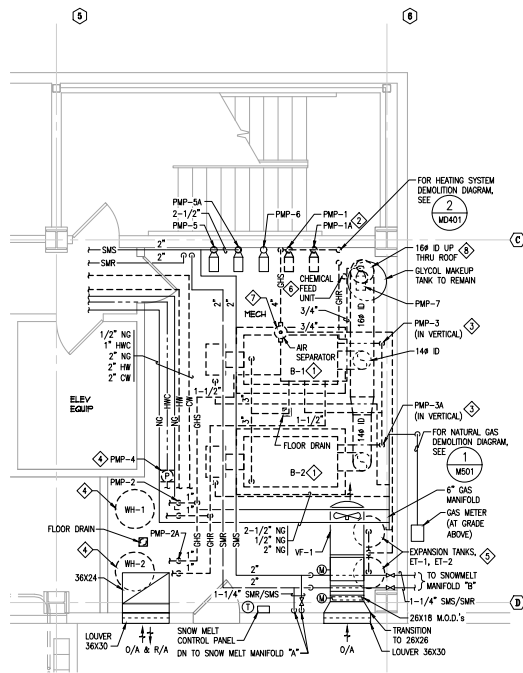
Sheet No.
MD304

1 DEMOLITION ROOF PLAN - MECHANICAL
 MD304 SCALE: 1/8" = 1'-0"





2 DIAGRAM - HEATING SYSTEM - DEMOLITION
 MD401 SCALE: NONE



1 ENLARGED BOILER ROOM DEMOLITION PLAN
 MD401 SCALE: 1/4" = 1'-0"

GENERAL NOTES

- COORDINATE LIMITS OF DEMOLITION WITH NEW WORK.
- DRAWINGS ARE BASED ON ORIGINAL CONSTRUCTION AS-BUILT DRAWINGS DATED 9/15/2003, REMODEL DRAWINGS DATED 9/13/19, AND LIMITED FIELD VERIFICATION. FIELD VERIFY EXISTING CONDITIONS.

DEMOLITION NOTES

- ◇ DEMOLISH BOILER AND ASSOCIATED CONTROLS, HOUSEKEEPING PAD, CHIMNEY, AND NATURAL GAS PIPING.
- ◇ DEMOLISH BUILDING HEATING CIRCULATION PUMPS AND PIPING AS SHOWN.
- ◇ DEMOLISH BOILER CIRCULATION PUMPS AND PIPING AS SHOWN.
- ◇ DEMOLISH WATER HEATERS, WATER HEATER CIRCULATION PUMPS, DOMESTIC HOT WATER EXPANSION TANKS, AND DOMESTIC HOT WATER CIRCULATION PUMP. REFER TO DIAGRAM 1/MS02.
- ◇ DEMOLISH HYDRONIC EXPANSION TANK AND PIPING.
- ◇ DEMOLISH HYDRONIC CHEMICAL FEED SYSTEM AND PIPING.
- ◇ DEMOLISH AIR SEPARATOR, SUPPORTS, AND PIPING.
- ◇ DEMOLISH 16" Ø BOILER CHIMNEY AND SHAFT FROM BOILER ROOM TO ROOF. REFER TO ARCHITECTURAL.

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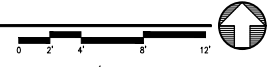
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Sheet Contents
 ENLARGED BOILER ROOM DEMOLITION PLAN

Sheet No.
MD401

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SHEET NOTES

- ① 1/2" CW, 1/2" HW AND 2" WASTE UP TO D-1.
- ② 2" HW AND 2" CW UP TO SPD R/RBD ABOVE. SEE DIAGRAM 3/M502.
- ③ 1/2" CW, 1/2" HW AND 2" WASTE UP TO D-2.
- ④ 1" CW AND 1" HW UP TO P-2HS AND P-8.
- ⑤ 3/4" HW, 3/4" CW AND 3" WASTE UP TO P-5.

GENERAL NOTES

1. DRAWINGS ARE BASED ON ORIGINAL CONSTRUCTION AS-BUILT DRAWINGS DATED 9/15/2005. REMOVE DRAWINGS DATED 9/15/19 AND LIMITED FIELD VERIFICATION. FIELD VERIFY EXISTING CONDITIONS.

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Sheet Contents
 BASEMENT PLAN - PLUMBING

Sheet No.
M101

1 BASEMENT PLAN - PLUMBING
 M101 SCALE: 1/8" = 1'-0"



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SHEET NOTES

- 1 2" HW/CW FEED FROM BELOW TO RFPD FOR HH/DN SERVING THE SPD SUITE. SEE DETAIL 3/M502.
- 2 ROUTE WASTE IN WALL TO D-2.
- 3 DENTAL SINK LOCATED ABOVE PLENUM ON GARAGE LEVEL. ROUTE WASTE PIPING FROM DENTAL SINK HORIZONTALLY IN WALL ON LEVEL 1 TO FLOOR PENETRATION ABOVE GARAGE INTERIOR CEILING SPACE. COORDINATE ROUTING WITH OTHER TRADES. REFER TO DENTAL EQUIPMENT FOR ELEVATIONS SHEETS.
- 4 1/2" HW, 1/2" CW AND 2" W TO EXISTING FIXTURE ABOVE.
- 5 3/4" HW, 3/4" CW AND 2" W TO EXISTING FIXTURE ABOVE.
- 6 EXISTING 1/2" HW, 1/2" CW AND 2" W.
- 7 EXISTING 1-1/4" HW AND 1-1/2" CW.
- 8 EXISTING 3/4" HW AND 3/4" CW.
- 9 3/4" HW, 3/4" CW, 2" W UP TO WF-1 AND P-SH.
- 10 MOUNT WF-1 IN SINK BASE CABINET. ROUTE FILTERED CW TO COFFEE MAKER CW-1, ICE MAKER MW-1, AND HOT WATER DISPENSER AT SINK. PROVIDE ISOLATION VALVES AT WF-1 INLET AND OUTLET.
- 11 2" CW DN, 1-1/2" HW DN, 3/4" HWC DN, AND 2" V DN.
- 12 EXISTING 1" HW AND 1" CW.
- 13 EXISTING 1" HW AND 1-1/2" CW.

GENERAL NOTES

1. DRAWINGS ARE BASED ON ORIGINAL CONSTRUCTION AS-BUILT DRAWINGS DATED 9/15/2004. REMODEL DRAWINGS DATED 9/13/19 AND LIMITED FIELD VERIFICATION. FIELD VERIFY EXISTING CONDITIONS.

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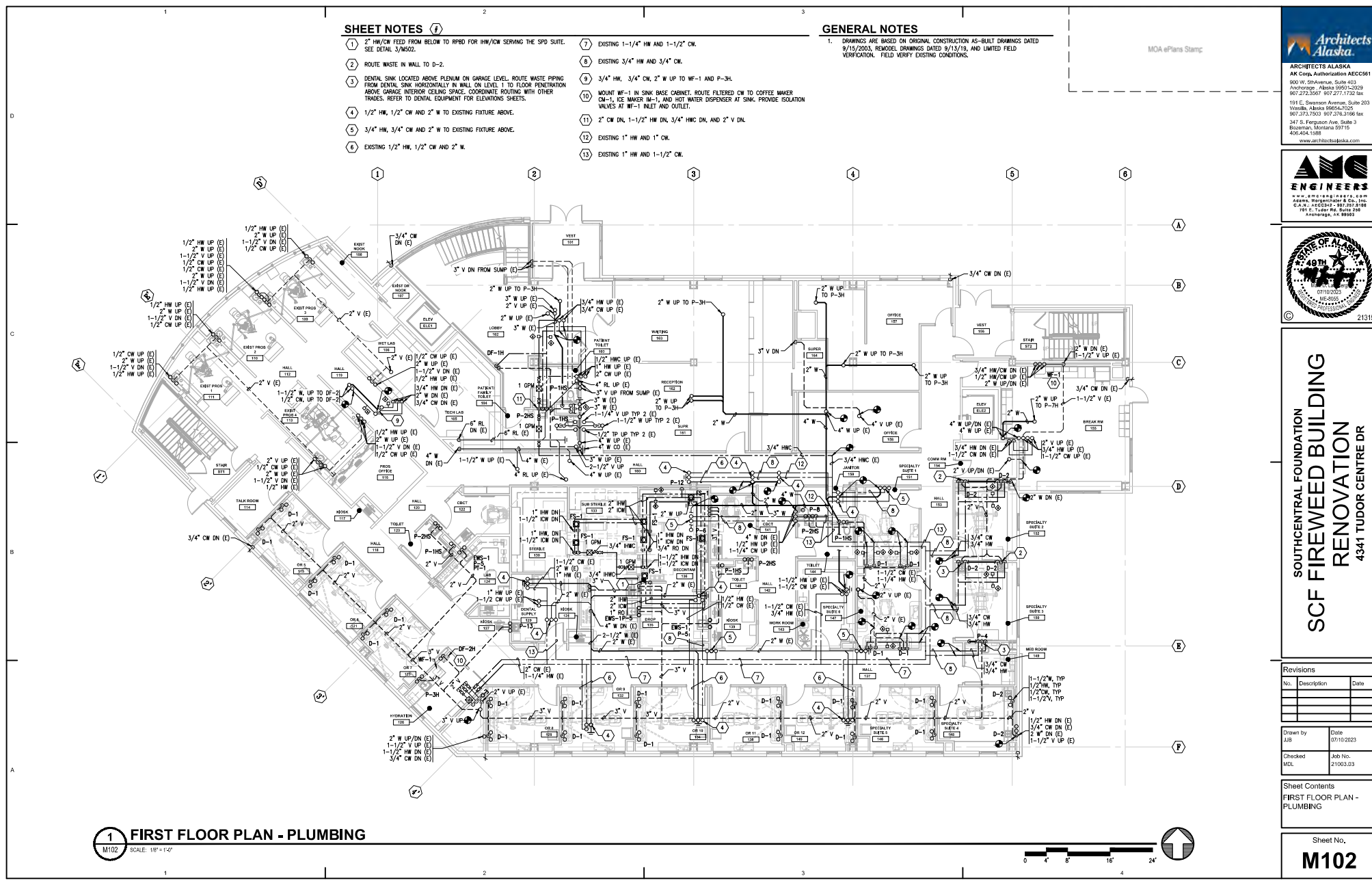
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No.	Description	Date

Drawn by JUB	Date 07/10/2023
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Sheet Contents
 FIRST FLOOR PLAN - PLUMBING

Sheet No.
M102



1 FIRST FLOOR PLAN - PLUMBING
 M102 SCALE: 1/8" = 1'-0"



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SHEET NOTES

- 1 MOUNT DENTAL GAS ZONE VALVE BOX DGZV-1 IN WALL AT THIS APPROXIMATE LOCATION. REFER TO DENTAL EQUIPMENT SHEETS FOR ADDITIONAL INFORMATION. COORDINATE LOCATION WITH NATURAL GAS ZONE VALVE BOX AND PIPING.
- 2 MOUNT DENTAL GAS ALARM PANEL DGAP-1 IN WALL AT THIS APPROXIMATE LOCATION. REFER TO DENTAL EQUIPMENT SHEETS FOR ADDITIONAL INFORMATION.
- 3 1/2" DA FED FROM BELOW FOR CONNECTION TO DENTAL EQUIPMENT. PROVIDE ISOLATION VALVE WITH THREADED OUTLET CONNECTION FOR DENTAL EQUIPMENT. COORDINATE PENETRATION LOCATION, VALVE ORIENTATION, AND VALVE OUTLET CONNECTION TYPE WITH DENTAL EQUIPMENT.
- 4 1-1/2" DENTAL VACUUM FED FROM BELOW FOR CONNECTION TO DENTAL EQUIPMENT. PROVIDE WITH 3/4" REDUCING BUSHING AND 3/4" 90 DEGREE ELBOW WITH 5/8" THREADED HOSE CONNECTION FOR CONNECTION TO DENTAL EQUIPMENT.
- 5 1/2" MEDICAL GAS (O2 AND N2O) FED FROM BELOW FOR CONNECTION TO DENTAL EQUIPMENT. INSTALL 1/2" ISOLATION VALVES FURNISHED BY DENTAL EQUIPMENT SUPPLIER FOR CONNECTION TO DENTAL EQUIPMENT. COORDINATE VALVE ORIENTATION AND LOCATION WITH DENTAL EQUIPMENT. COORDINATE PIPE ROUTING INTO DENTAL CABINET WITH DENTAL EQUIPMENT SHEETS. PIPE DROPS SHOWN OFFSET FOR CLARITY.
- 6 1/2" DA FED FROM BELOW FOR CONNECTION TO DENTAL LAB EQUIPMENT. PROVIDE 1/2" ISOLATION VALVE WITH 3-OUTLET MANIFOLD WITH THREADED OUTLET CONNECTION FOR DENTAL EQUIPMENT. COORDINATE PENETRATION LOCATION ABOVE COUNTER, VALVE ORIENTATION, AND CONNECTION TYPE WITH DENTAL LAB EQUIPMENT.
- 7 ROUTE OXYGEN AND NITROUS OXIDE (O2 & N2O) MANIFOLD RELIEF PIPING TO BUILDING EXTERIOR. TERMINATE WITH DOWN TURNED 90 DEGREE ELBOW WITH SCREEN. PROVIDE FINISH ESCUTCHEON.
- 8 1/2" CA FED FROM BELOW FOR CONNECTION TO DENTAL CHAIR. COORDINATE PENETRATION LOCATION WITH CHAIR LOCATION AND CONNECTION REQUIREMENTS.

GENERAL NOTES

- 1. DRAWINGS ARE BASED ON ORIGINAL CONSTRUCTION AS-BUILT DRAWINGS DATED 9/15/2004. REMODEL DRAWINGS DATED 9/15/19 AND LIMITED FIELD VERIFICATION. FIELD VERIFY EXISTING CONDITIONS.

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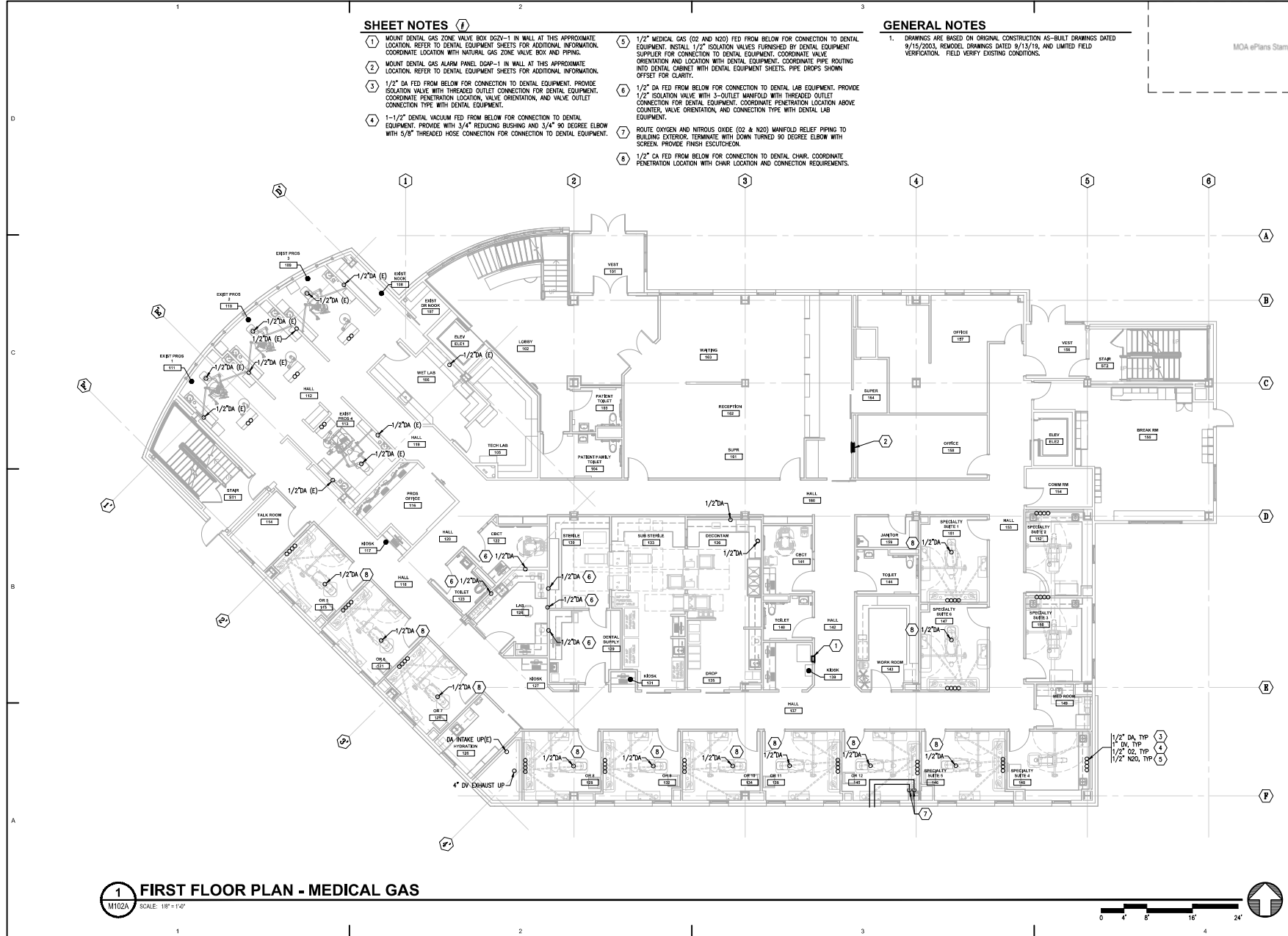
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Sheet Contents
 FIRST FLOOR PLAN -
 MEDICAL GAS

Sheet No.
M102A



1 FIRST FLOOR PLAN - MEDICAL GAS
 SCALE: 1/8" = 1'-0"



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SHEET NOTES

1. CONNECT P-3H AND WF-1 TO EXISTING CW, HW, AND DWV PIPING.
2. 3" V UP AND DOWN FROM SUMP TO REMAIN.
3. 1-1/2" CW UP, 2" CW DN, 3/4" HW UP, 1" HW DN, AND 3/4" HWC UP AND DOWN IN CHASE, SERVING RESTROOM FIXTURES AND UP TO 3RD FLOOR.
4. MOUNT WF-1 IN SINK BASE CABINET, ROUTE FILTERED CW TO COFFEE MAKER CW-1, ICE MAKER W-1, AND HOT WATER DISPENSER AT SINK. PROVIDE ISOLATION VALVES AT WF-1 INLET AND OUTLET.

GENERAL NOTES

1. CONNECT FIXTURES TO EXISTING CW, HW, AND DWV PIPING. EXTEND PIPING AS NEEDED.
2. DRAWINGS ARE BASED ON ORIGINAL CONSTRUCTION AS-BUILT DRAWINGS DATED 9/15/2003, REMODEL DRAWINGS DATED 9/13/19, AND LIMITED FIELD VERIFICATION. FIELD VERIFY EXISTING CONDITIONS.

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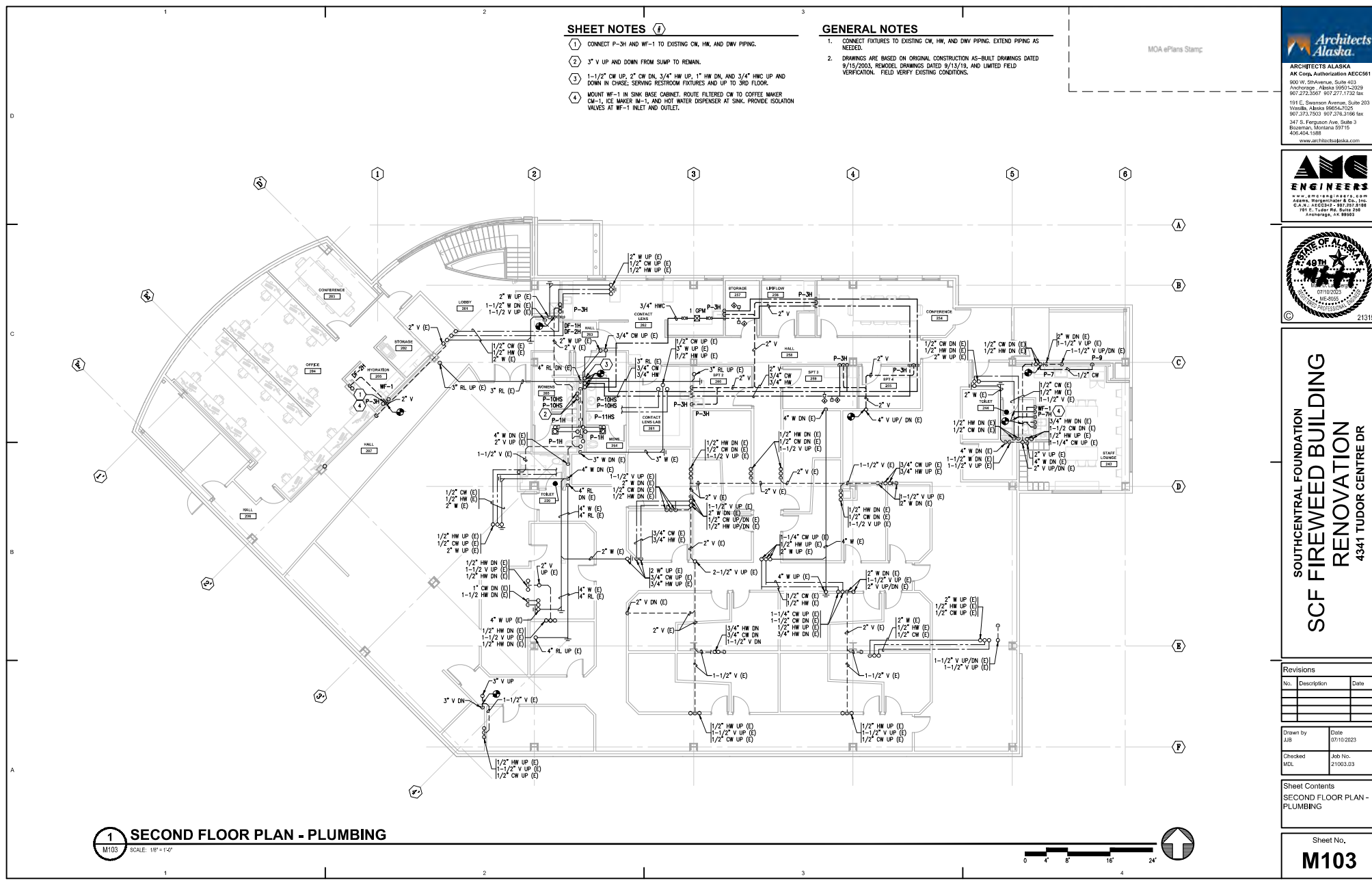
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Sheet Contents
 SECOND FLOOR PLAN -
 PLUMBING

Sheet No.
M103



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SHEET NOTES

① 4" VENT UP TO 6" VTR, SEE DETAIL 4/M502.

GENERAL NOTES

1. DRAWINGS ARE BASED ON ORIGINAL CONSTRUCTION AS-BUILT DRAWINGS DATED 9/15/2003. REWORK DRAWINGS DATED 9/15/19. AND LIMITED FIELD VERIFICATION. FIELD VERIFY EXISTING CONDITIONS.

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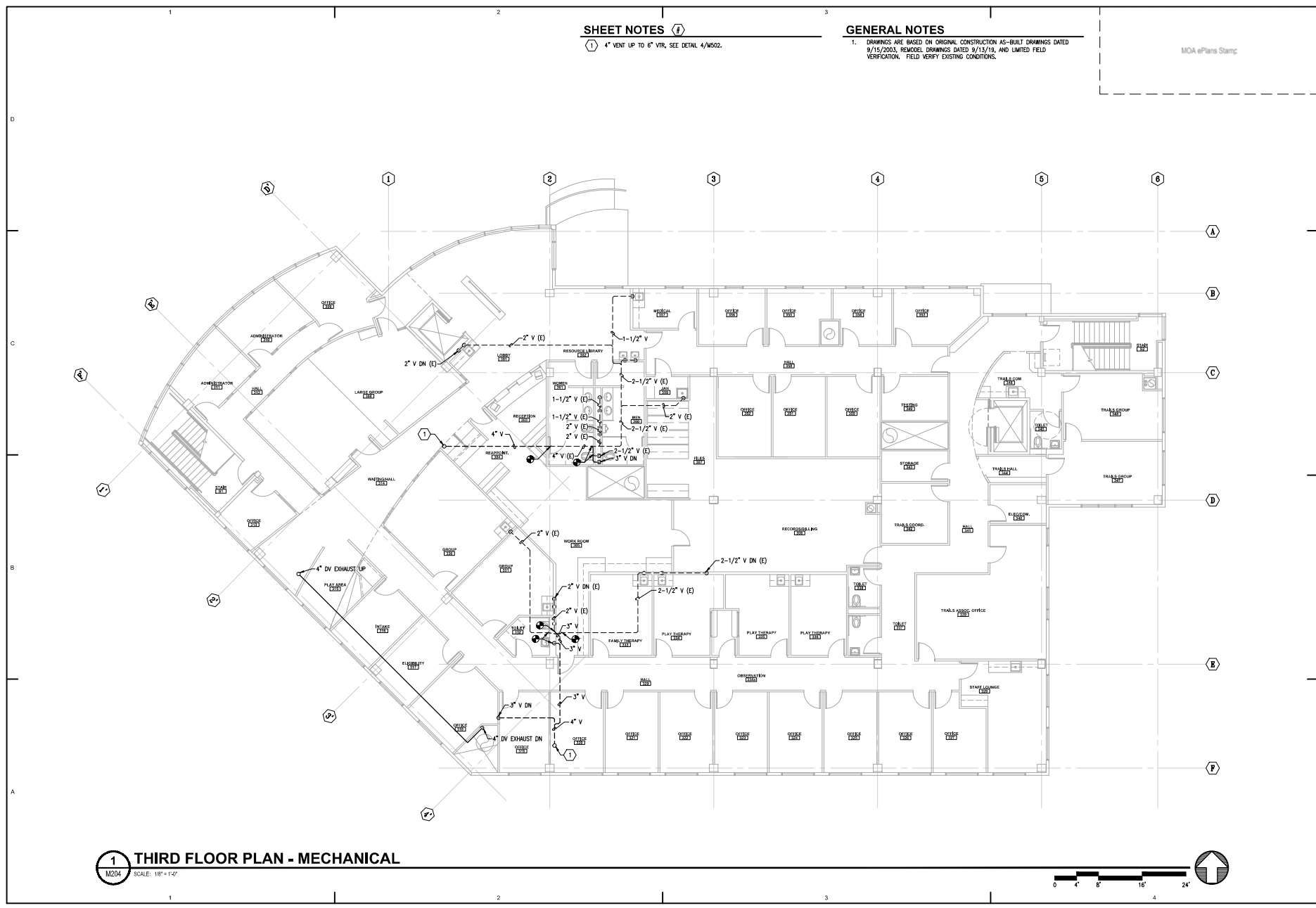
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Sheet Contents
 THIRD FLOOR PLAN -
 PLUMBING

Sheet No.
M104



1 THIRD FLOOR PLAN - MECHANICAL
 M204 SCALE: 1/8" = 1'-0"



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SHEET NOTES

- ① EXTEND AND CONNECT GHS/GHR PIPING TO UH-4, SEE DETAIL 5/M402.
- ② 115 VOLT LINE VOLTAGE THERMOSTAT FOR UH-4. REFER TO ELECTRICAL.

GENERAL NOTES

- 1. MINIMUM PIPE SIZE IS 3/4".
- 2. MOUNT ZONE TEMPERATURE SENSOR AT 44" AFF, TYP.
- 3. DRAWINGS ARE BASED ON ORIGINAL CONSTRUCTION AS-BUILT DRAWINGS DATED 9/15/2003, REMODEL DRAWINGS DATED 9/13/19, AND LIMITED FIELD VERIFICATION. FIELD VERIFY EXISTING CONDITIONS.

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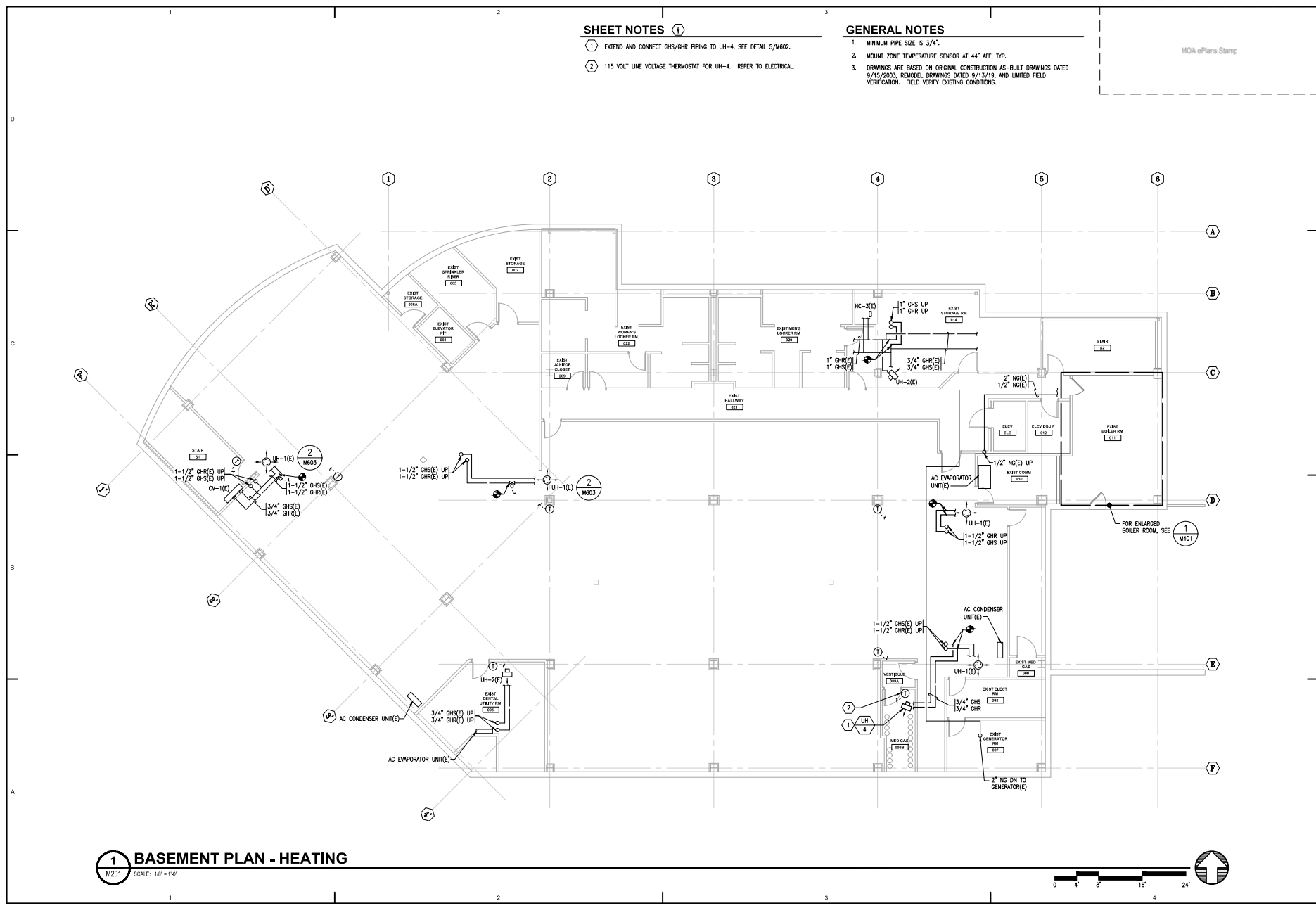
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Sheet Contents
 BASEMENT PLAN -
 HEATING

Sheet No.
M201



1 BASEMENT PLAN - HEATING
 M201 SCALE: 1/8" = 1'-0"

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SHEET NOTES

- 1 REINSTALL ZONE TEMPERATURE SENSOR.
- 2 RADIANT PANEL PIPED IN SERIES WITH ADJACENT PANEL, SEE DETAIL 2/M202.
- 3 REFRIGERANT PIPING TO/FROM AC-1 IN ELECTRICAL ROOM 154 TO CU-1 ON ROOF. SINGLE LINE SHOWN FOR CLARITY.
- 4 NEW PIPING AND BOILER CHIMNEY SHWFT, REFER TO ARCHITECTURAL.
- 5 NATURAL GAS ZONE VALVE BOX, SEE DIAGRAM 2/M501. COORDINATE LOCATION WITH DCZY-1 BOX AND MEDICAL GAS PIPING.

GENERAL NOTES

1. MOUNT ZONE TEMPERATURE SENSORS AT 4" AFF. TYP.
2. MINIMUM PIPE SIZE IS 3/4".
3. DRAWINGS ARE BASED ON ORIGINAL CONSTRUCTION AS-BUILT DRAWINGS DATED 9/15/2003, REMODEL DRAWINGS DATED 9/13/19, AND LIMITED FIELD VERIFICATION. FIELD VERIFY EXISTING CONDITIONS.
4. UNLESS NOTED OTHERWISE, PROVIDE VAV REHEAT COIL WITH TWO-WAY MOTORIZED CONTROL VALVE, SEE DETAIL 3/M202.
5. PROVIDE MANUAL HIGH POINT VENTS, LOW POINT DRAINS (WITH CAPPED HOSE CONNECTIONS), AND SLOPE PIPING TO ALLOW FOR COMPLETE DRAINAGE OF THE HYDRONIC SYSTEM.

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Sheet Contents
FIRST FLOOR PLAN -
HEATING

Sheet No.
M202

1 FIRST FLOOR PLAN - HEATING
M202 SCALE: 1/8" = 1'-0"



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SHEET NOTES

- 1 NEW PIPING AND BOILER CHIMNEY SHAFT. REFER TO ARCHITECTURAL.
- 2 REFRIGERANT PIPING TO/FROM AC-2 IN COMM. ROOM 250 TO CU-2 ON ROOF. SINGLE LINE SHOWN FOR CLARITY.
- 3 EXTEND AND CONNECT GHS/GHR PIPING TO VAV REHEAT COILS. SEE DETAIL 3/M002.
- 4 REFRIGERANT PIPING TO/FROM AC-1 IN ELECTRICAL ROOM 154 TO CU-1 ON ROOF. SINGLE LINE SHOWN FOR CLARITY.

GENERAL NOTES

1. MOUNT ZONE TEMPERATURE SENSORS AT 44" AFF. TYP.
2. MINIMUM PIPE SIZE IS 3/4", UNLESS NOTED OTHERWISE.
3. DRAWINGS ARE BASED ON ORIGINAL CONSTRUCTION AS-BUILT DRAWINGS DATED 9/15/2003, REMODEL DRAWINGS DATED 9/13/19, AND LIMITED FIELD VERIFICATION. FIELD VERIFY EXISTING CONDITIONS.
4. PROVIDE MANUAL HIGH POINT VENTS, LOW POINT DRAINS (WITH CAPPED HOSE CONNECTIONS), AND SLOPE PIPING TO ALLOW COMPLETE DRAINAGE OF THE HYDRONIC SYSTEM.

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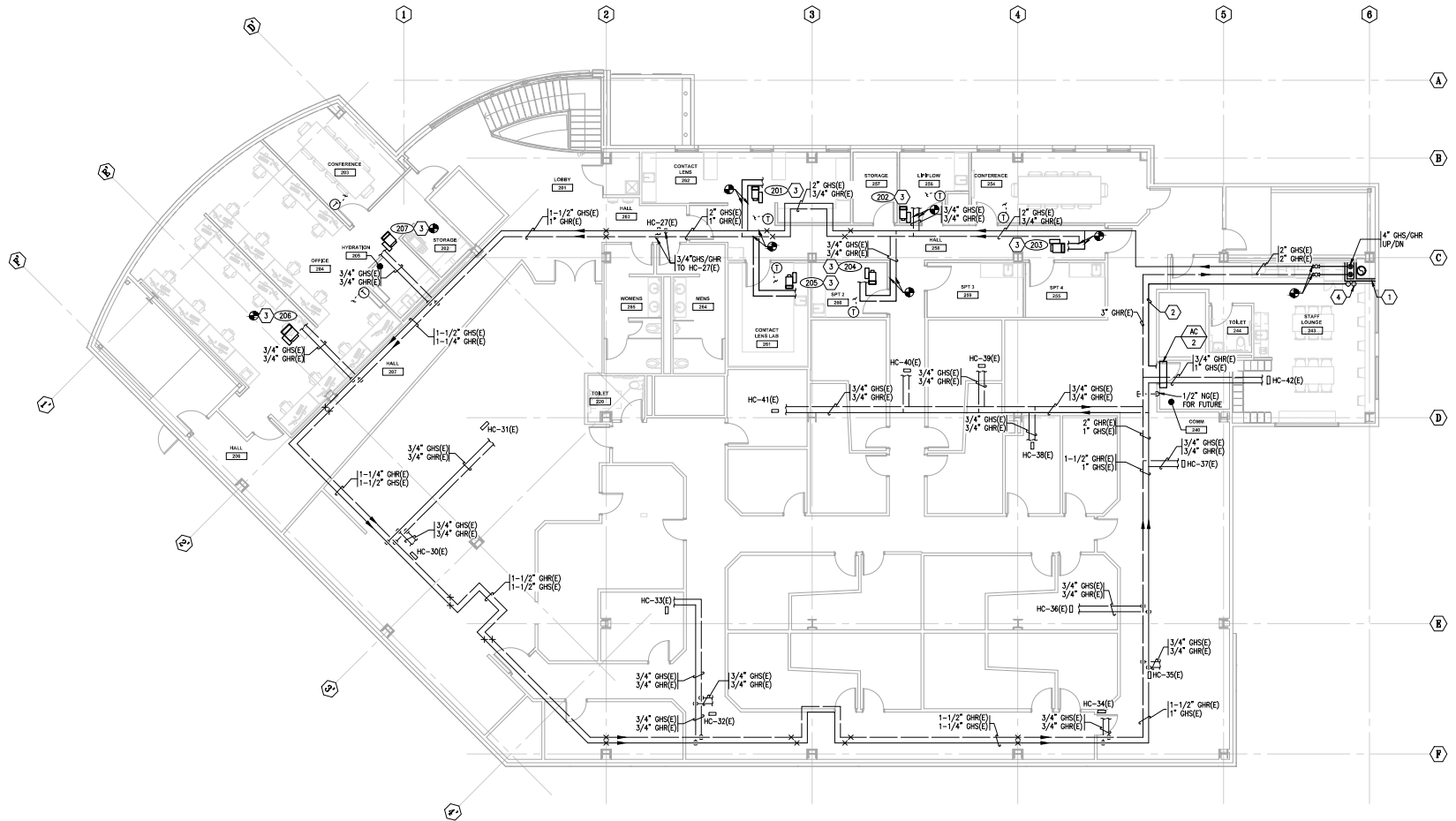
Revisions

No.	Description	Date

Drawn by TBD	Date 07/10/2023
Checked MDL	Job No. 21003.03

Sheet Contents
SECOND FLOOR PLAN - HEATING

Sheet No.
M203

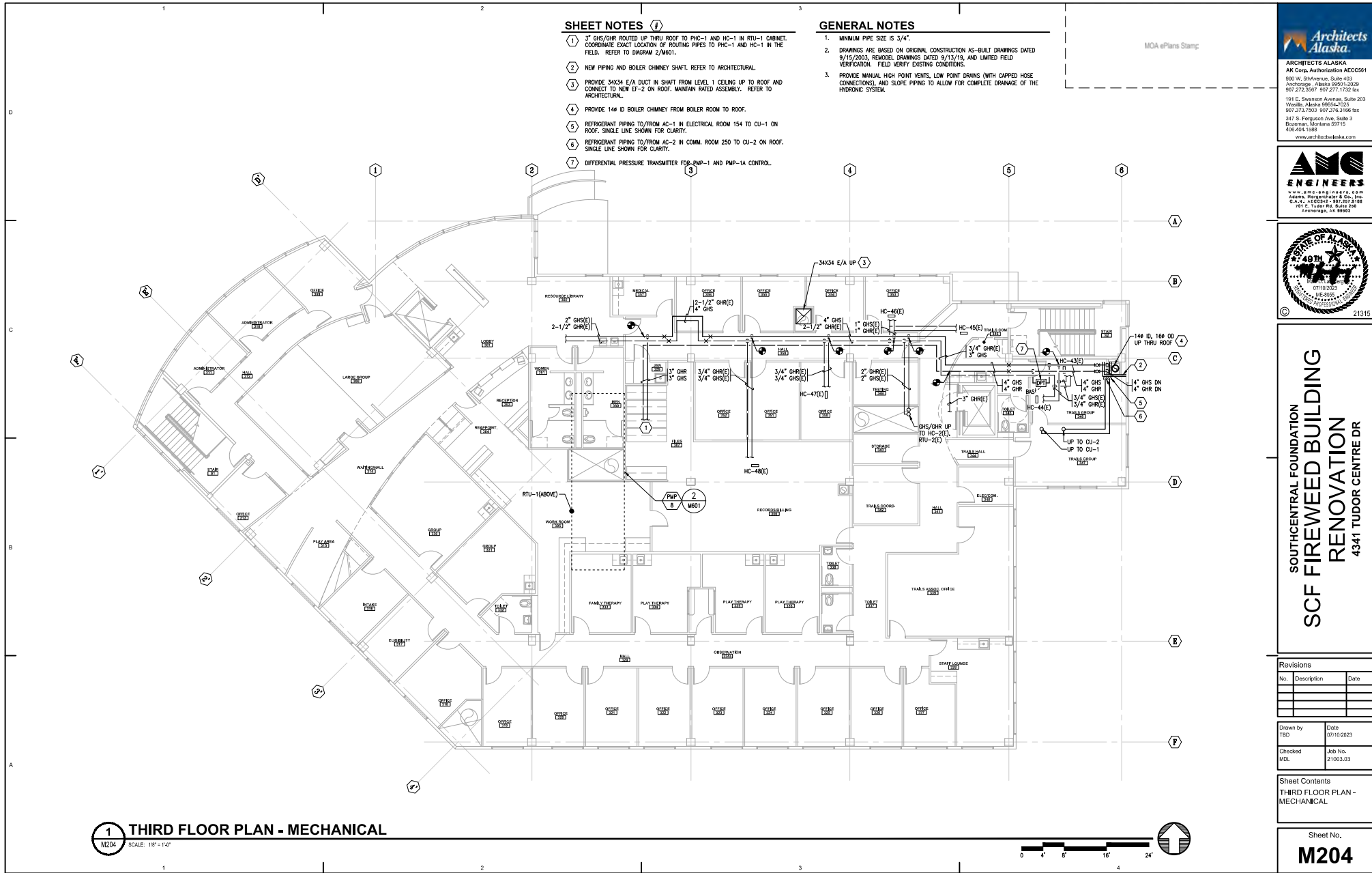


1 SECOND FLOOR PLAN - HEATING
M203 SCALE: 1/8" = 1'-0"



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- SHEET NOTES**
- 1 3" GHS/GHR ROUTED UP THRU ROOF TO PHC-1 AND HC-1 IN RTU-1 CABINET. COORDINATE EXACT LOCATION OF ROUTING PIPES TO PHC-1 AND HC-1 IN THE FIELD. REFER TO DIAGRAM 2/M001.
 - 2 NEW PIPING AND BOILER CHIMNEY SHWT. REFER TO ARCHITECTURAL.
 - 3 PROVIDE 34X34 E/A DUCT IN SHAFT FROM LEVEL 1 CEILING UP TO ROOF AND CONNECT TO NEW EF-2 DN ROOF. MAINTAIN RATED ASSEMBLY. REFER TO ARCHITECTURAL.
 - 4 PROVIDE 148 ID BOILER CHIMNEY FROM BOILER ROOM TO ROOF.
 - 5 REFRIGERANT PIPING TO/FROM AC-1 IN ELECTRICAL ROOM 154 TO CU-1 ON ROOF. SINGLE LINE SHOWN FOR CLARITY.
 - 6 REFRIGERANT PIPING TO/FROM AC-2 IN COMM. ROOM 250 TO CU-2 ON ROOF. SINGLE LINE SHOWN FOR CLARITY.
 - 7 DIFFERENTIAL PRESSURE TRANSMITTER FOR PMP-1 AND PMP-1A CONTROL.

- GENERAL NOTES**
1. MINIMUM PIPE SIZE IS 3/4".
 2. DRAWINGS ARE BASED ON ORIGINAL CONSTRUCTION AS-BUILT DRAWINGS DATED 9/15/2003, REMODEL DRAWINGS DATED 9/13/19, AND LIMITED FIELD VERIFICATION. FIELD VERIFY EXISTING CONDITIONS.
 3. PROVIDE MANUAL HIGH POINT VENTS, LOW POINT DRAINS (WITH CAPPED HOSE CONNECTIONS), AND SLOPE PIPING TO ALLOW FOR COMPLETE DRAINAGE OF THE HYDRONIC SYSTEM.

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Revisions

No.	Description	Date

Drawn by TBD	Date 07/10/2023
Checked MDL	Job No. 21003.03

Sheet Contents
 THIRD FLOOR PLAN -
 MECHANICAL

Sheet No.
M204

1 THIRD FLOOR PLAN - MECHANICAL
 M204 SCALE: 1/8" = 1'-0"



SHEET NOTES

1. 6" O/A INTAKE DUCT UP TO LEVEL 1. PROVIDE DUCT WITH 1-HOUR FIRE RATED DUCT WRAP FROM LEVEL 1 EXTERIOR WALL PENETRATION TO LEVEL 0 MED GAS ROOM RATED CEILING PENETRATION.
2. 6" E/A DUCT UP TO LEVEL 1. PROVIDE DUCT WITH 1-HOUR FIRE RATED DUCT WRAP FROM LEVEL 1 EXTERIOR WALL PENETRATION TO LEVEL 0 MED GAS ROOM RATED CEILING PENETRATION.
3. DUCT PENETRATION THROUGH MED GAS ROOM RATED CEILING.
4. 6X6 E/A DUCT DOWN TO LOW WALL EXHAUST GRILLE. MOUNT BOTTOM OF GRILLE APPROXIMATELY 12 INCHES ABOVE FLOOR.
5. REFER TO ELECTRICAL FOR EXHAUST FAN, EF-2, EMERGENCY SHUTDOWN AND MANUAL EMERGENCY ALARM SYSTEM.

GENERAL NOTES

1. DRAWINGS ARE BASED ON ORIGINAL CONSTRUCTION AS-BUILT DRAWINGS DATED 9/15/2003. REWORK DRAWINGS DATED 9/13/19, AND LIMITED FIELD VERIFICATION. FIELD VERIFY EXISTING CONDITIONS.
2. FOR OVERALL BUILDING VENTILATION DIAGRAM, SEE 1/M701.
3. FOR DUCT FITTINGS, SEE DETAIL 2/M702.
4. FOR TYPICAL DUCT PENETRATION, SEE DETAIL 5/M702.

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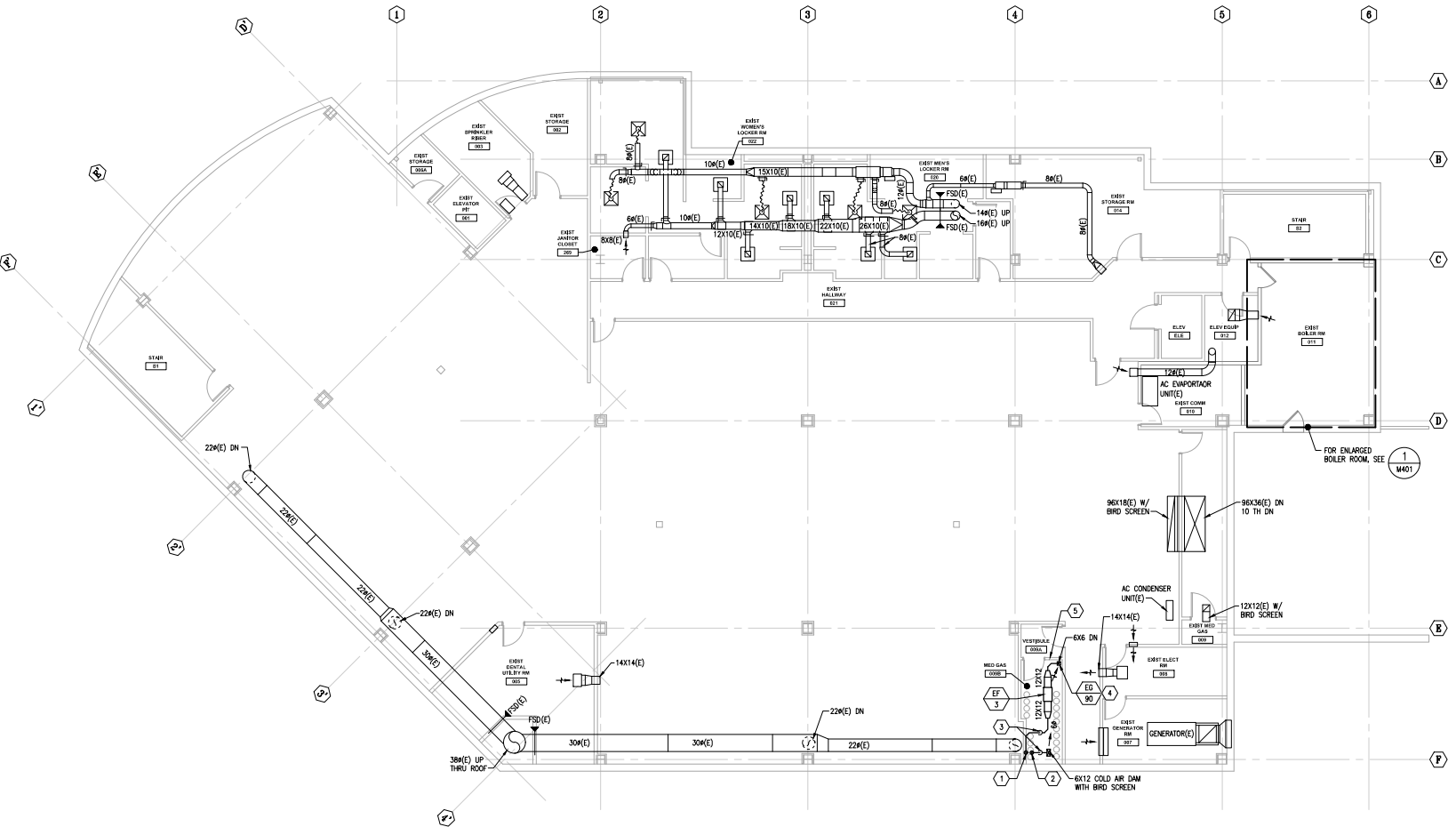
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No.	Description	Date

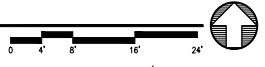
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Checked MDL	Job No. 21003.03

Sheet Contents
BASEMENT PLAN -
VENTILATION

Sheet No.
M301



1 BASEMENT PLAN - VENTILATION
SCALE: 1/8" = 1'-0"



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SHEET NOTES

1. 6" O/A INTAKE DUCT DOWN TO LEVEL 0 MED GAS ROOM. PROVIDE DUCT WITH 1-HOUR FIRE RATED DUCT WRAP FROM LEVEL 1 EXTERIOR WALL PENETRATION TO LEVEL 0 MED GAS ROOM RATED CEILING PENETRATION.
2. 6" E/A DUCT DOWN TO LEVEL 0 MED GAS ROOM. PROVIDE DUCT WITH 1-HOUR FIRE RATED DUCT WRAP FROM LEVEL 1 EXTERIOR WALL PENETRATION TO LEVEL 0 MED GAS ROOM RATED CEILING PENETRATION.
3. PROVIDE 146 ID BOILER CHIMNEY WITH AL-29-4C LINER FROM BOILER ROOM TO ROOF. TERMINATE STACK 5 FEET ABOVE ROOF.
4. PROVIDE 34X34 E/A DUCT IN SHIRT FROM LEVEL 1 CEILING UP TO ROOF AND CONNECT TO NEW EF-2 ON ROOF. ENLARGE EXISTING SHIRT TO ACCOMMODATE NEW 34X34 E/A DUCT AND MAINTAIN RATED ASSEMBLY. REFER TO ARCHITECTURAL.
5. EXHAUST DUCT DOWN TO LOW WALL GRILLE. MOUNT BOTTOM OF GRILLE APPROXIMATELY 8' AFF.
6. 4X12 E/A DUCT DOWN TO WALL EXHAUST GRILLE. MOUNT BOTTOM OF GRILLE APPROXIMATELY 8' ABOVE COUNTER FOR FLUME/DOOR CAPTURE. COORDINATE WITH ARCHITECTURAL SEE IDENT. EQUIPMENT & SHEETS FOR ELEVATIONS.
7. PROVIDE NEW FSD IN DUCT AS SHOWN. BASIS OF DESIGN IS RUSKIN FSD60. SEE DETAIL 2/M703.
8. RETURN AIR OPENING ABOVE CEILING, SIZED AS SHOWN.
9. RELOCATE EXISTING FSD IN SUPPLY DUCT THAT SERVES BASEMENT TO ACCOMMODATE NEW SHIRT WALL CONSTRUCTION.
10. THIS SUPPLY GRILLE IS OVERSIZED FOR FUTURE POTENTIAL INCREASE IN AIRFLOW, IF OPEN ROOMS BECOME CLOSED OPERATORIES USING NITROUS OXIDE.
11. NEW PIPING AND BOILER CHIMNEY SHAFT. REFER TO ARCHITECTURAL.
12. 24X24 CEILING ACCESS PANEL FOR VAV ACCESS. COORDINATE WITH ARCHITECTURAL.

GENERAL NOTES

1. LOCATE VAV TERMINAL UNIT CONTROLLER, COIL ACCESS DOORS, AND COIL HYDRONIC PIPING/VALVING ON SAME SIDE OF TERMINAL UNIT FOR COMPLETE ACCESS THROUGH SINGLE CEILING TILE OR ACCESS PANEL.
2. LOCATE BOTTOM OF VAV TERMINAL UNIT BETWEEN 6 AND 24 INCHES ABOVE CEILING FOR IMPROVED ACCESSIBILITY.
3. FLEX DUCT CONNECTION DIAMETER EQUALS AIR OUTLET NECK SIZE. SEE INLET/OUTLET SCHEDULE.
4. REFER TO HEATING SHEETS FOR ZONE TEMPERATURE SENSOR LOCATIONS.
5. PROVIDE A MINIMUM OF 3 DUCT DIAMETERS OF STRAIGHT DUCT UPSTREAM OF VAV BOX INLET.
6. DRAWINGS ARE BASED ON ORIGINAL CONSTRUCTION AS-BUILT DRAWINGS DATED 9/15/2003, REMODEL DRAWINGS DATED 9/13/19, AND LIMITED FIELD VERIFICATION. FIELD VERIFY EXISTING CONDITIONS.
7. FOR OVERALL BUILDING VENTILATION DIAGRAM, SEE 1/M701.
8. FOR TYPICAL DUCT FITTINGS, SEE DETAIL 2/M702.
9. FOR FLEXIBLE DUCT CONNECTION, SEE DETAIL 3/M702.
10. FOR TYPICAL DUCT PENETRATION, SEE DETAIL 5/M703.

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Revisions

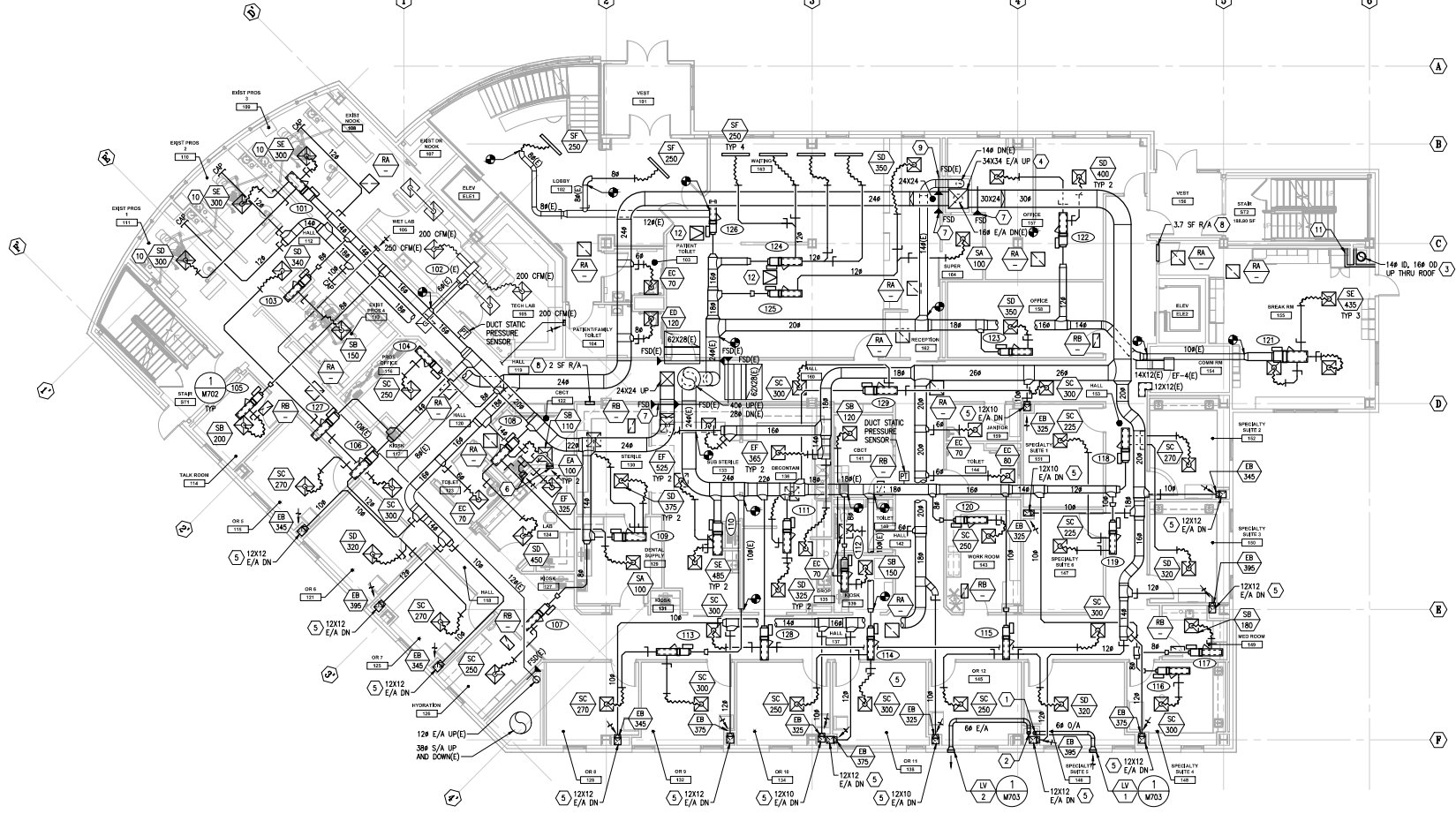
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Sheet Contents
FIRST FLOOR PLAN - VENTILATION

Sheet No.
M302



1 FIRST FLOOR PLAN - VENTILATION

M302 SCALE: 1/8" = 1'-0"



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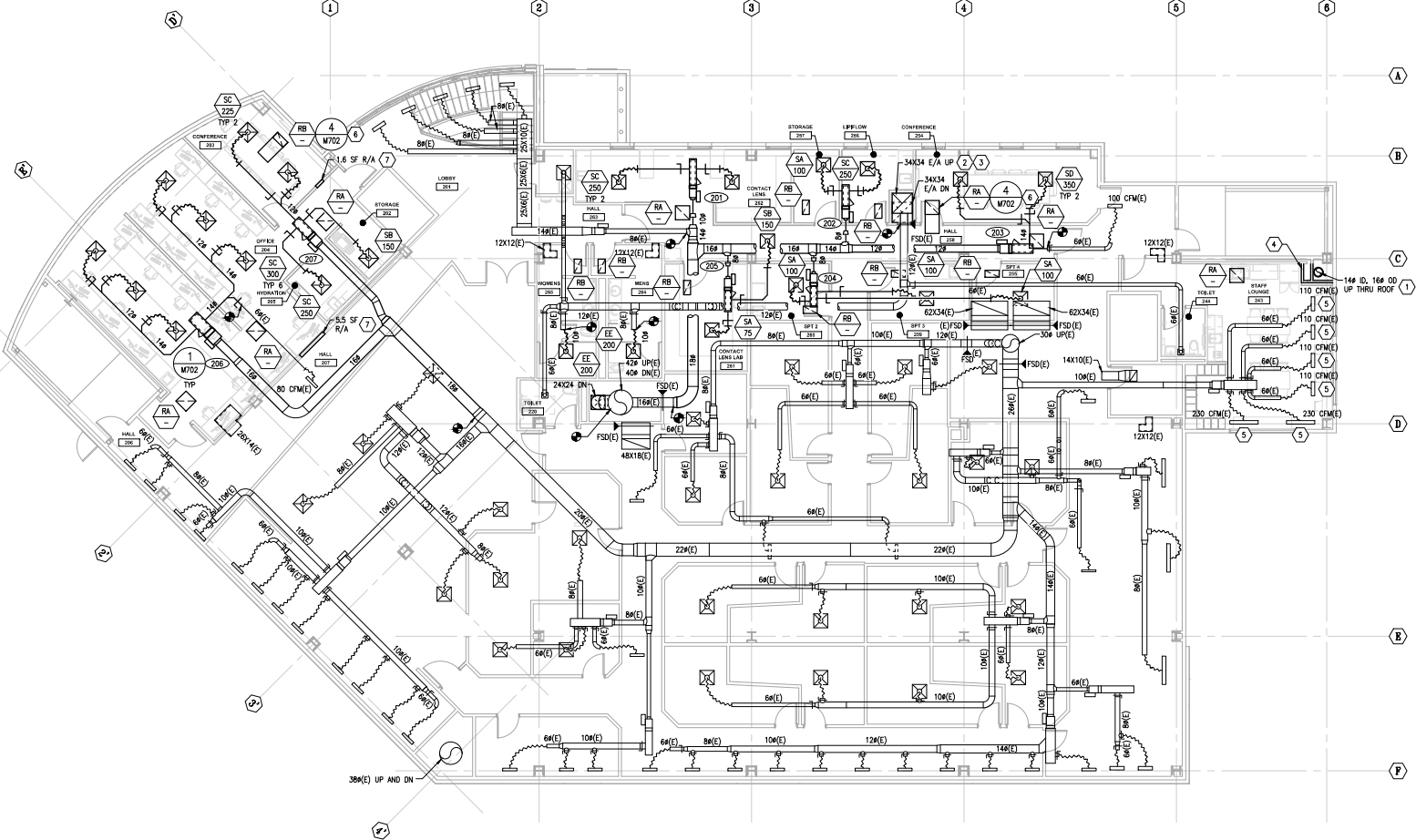
SHEET NOTES

1. PROVIDE 144 ID BOILER CHIMNEY FROM BOILER ROOM TO ROOF.
2. PROVIDE 34X34 E/A DUCT IN SHIRT FROM LEVEL 1 CEILING UP TO ROOF AND CONNECT TO NEW EF-2 ON ROOF. MAINTAIN RATED ASSEMBLY. REFER TO ARCHITECTURAL.
3. OFFSET 34X34 E/A DUCT IN LEVEL 2 TO THE NORTH AS SHOWN TO PROVIDE NECESSARY CLEARANCE FOR EXISTING FSD ON LEVEL 2.
4. NEW PIPING AND BOILER CHIMNEY SHAFT. REFER TO ARCHITECTURAL.
5. RELOCATE SUPPLY GRILLE TO ACCOMMODATE NEW CEILING. COORDINATE WITH ARCHITECTURAL.
6. ACOUSTICALLY LINED RETURN AIR ELBOW AT RETURN GRILLE.
7. RETURN AIR OPENING ABOVE CEILING, SIZED AS SHOWN.

GENERAL NOTES

1. LOCATE VAV TERMINAL UNIT CONTROLLER, COIL ACCESS DOORS, AND COIL HYDRONIC PIPING/WALKING ON SAME SIDE OF TERMINAL UNIT FOR COMPLETE ACCESS THROUGH SINGLE CEILING TILE OR ACCESS PANEL.
2. LOCATE BOTTOM OF VAV TERMINAL UNIT BETWEEN 6 AND 24 INCHES ABOVE CEILING FOR IMPROVED ACCESSIBILITY.
3. FLEX DUCT CONNECTION DIAMETER EQUALS AIR OUTLET NECK SIZE. SEE INLET/OUTLET SCHEDULE.
4. REFER TO HEATING SHEETS FOR ZONE TEMPERATURE SENSOR LOCATIONS.
5. PROVIDE A MINIMUM OF 3 DUCT DIAMETERS OF STRAIGHT DUCT UPSTREAM OF VAV BOX INLET.
6. DRAWINGS ARE BASED ON ORIGINAL CONSTRUCTION AS-BUILT DRAWINGS DATED 9/15/2003, REMODEL DRAWINGS DATED 9/13/19, AND LIMITED FIELD VERIFICATION. FIELD VERIFY EXISTING CONDITIONS.
7. FOR OVERALL BUILDING VENTILATION DIAGRAM, SEE 1/M701.
8. FOR TYPICAL DUCT FITTINGS, SEE DETAIL 2/M702.
9. FOR FLEXIBLE DUCT CONNECTION, SEE DETAIL 3/M702.
10. FOR TYPICAL DUCT PENETRATION, SEE DETAIL 5/M303.

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No.	Description	Date

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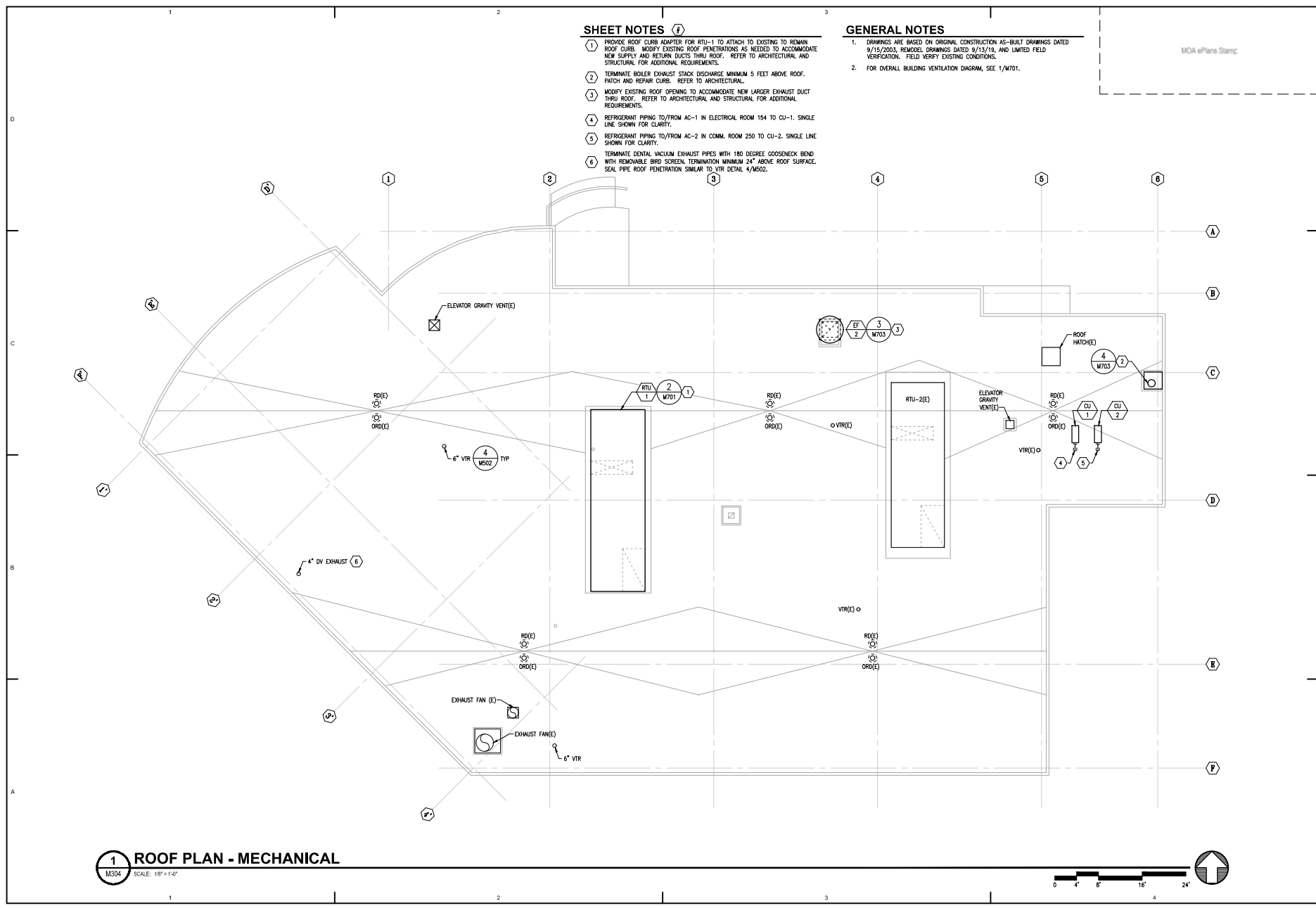
Sheet Contents
 SECOND FLOOR PLAN -
 VENTILATION

Sheet No.
M303

1 SECOND FLOOR PLAN - VENTILATION
 M303 SCALE: 1/8" = 1'-0"



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- SHEET NOTES**
1. PROVIDE ROOF CURB ADAPTER FOR RTU-1 TO ATTACH TO EXISTING TO REMAIN ROOF CURB. MODIFY EXISTING ROOF PENETRATIONS AS NEEDED TO ACCOMMODATE NEW SUPPLY AND RETURN DUCTS THRU ROOF. REFER TO ARCHITECTURAL AND STRUCTURAL FOR ADDITIONAL REQUIREMENTS.
 2. TERMINATE BOILER EXHAUST STACK DISCHARGE MINIMUM 5 FEET ABOVE ROOF. PATCH AND REPAIR CURB. REFER TO ARCHITECTURAL.
 3. MODIFY EXISTING ROOF OPENING TO ACCOMMODATE NEW LARGER EXHAUST DUCT THRU ROOF. REFER TO ARCHITECTURAL AND STRUCTURAL FOR ADDITIONAL REQUIREMENTS.
 4. REFRIGERANT PIPING TO/FROM AC-1 IN ELECTRICAL ROOM 154 TO CU-1. SINGLE LINE SHOWN FOR CLARITY.
 5. REFRIGERANT PIPING TO/FROM AC-2 IN COMM. ROOM 250 TO CU-2. SINGLE LINE SHOWN FOR CLARITY.
 6. TERMINATE DENTAL VACUUM EXHAUST PIPES WITH 180 DEGREE GOOSENECK BEND WITH REMOVABLE BIRD SCREEN. TERMINATION MINIMUM 24\"/>

- GENERAL NOTES**
1. DRAWINGS ARE BASED ON ORIGINAL CONSTRUCTION AS-BUILT DRAWINGS DATED 9/15/2004. REWORK DRAWINGS DATED 9/15/19, AND LIMITED FIELD VERIFICATION. FIELD VERIFY EXISTING CONDITIONS.
 2. FOR OVERALL BUILDING VENTILATION DIAGRAM, SEE 1/M701.

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1 ROOF PLAN - MECHANICAL
 M304 SCALE: 1/8" = 1'-0"



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No.	Description	Date

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Sheet Contents
 ROOF PLAN -
 MECHANICAL

Sheet No.
M304

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GENERAL NOTES

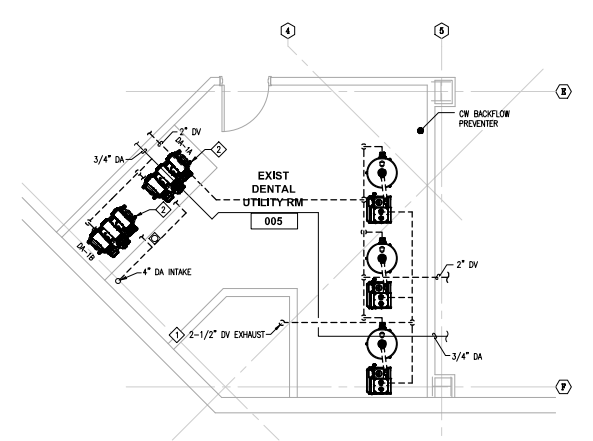
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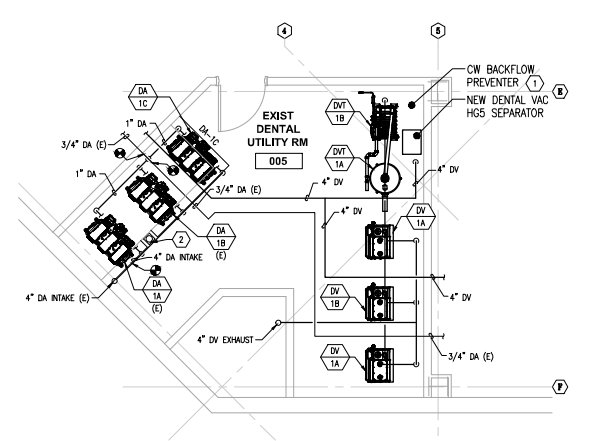
- 1. DEMOLISH DENTAL VACUUM TO ROOF EXHAUST GOOSENECK.
- 2. REMOVE AND RETAIN EXISTING DENTAL AIR COMPRESSOR FOR REINSTALLATION.

SHEET NOTES

- 1. CONNECT TO EXISTING ICW PIPING IN DENTAL UTILITIES ROOM FOR NEW DENTAL VACUUM TANK WASHDOWN. REFER TO DENTAL EQUIPMENT SHEETS FOR ADDITIONAL INFORMATION.
- 2. HOUSEKEEPING PAD EXPANSION TO LEAVE EXISTING FLOOR DRAIN CLEAR.



1 ENLARGED UTILITY ROOM - DEMO
SCALE: 1/4" = 1'-0"
0 2' 4' 8' 12'



2 ENLARGED UTILITY ROOM
SCALE: 1/4" = 1'-0"
0 2' 4' 8' 12'

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No.	Description	Date

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MDL	21003.03

Sheet Contents
ENLARGED DENTAL
UTILITY PLAN

Sheet No.
M402

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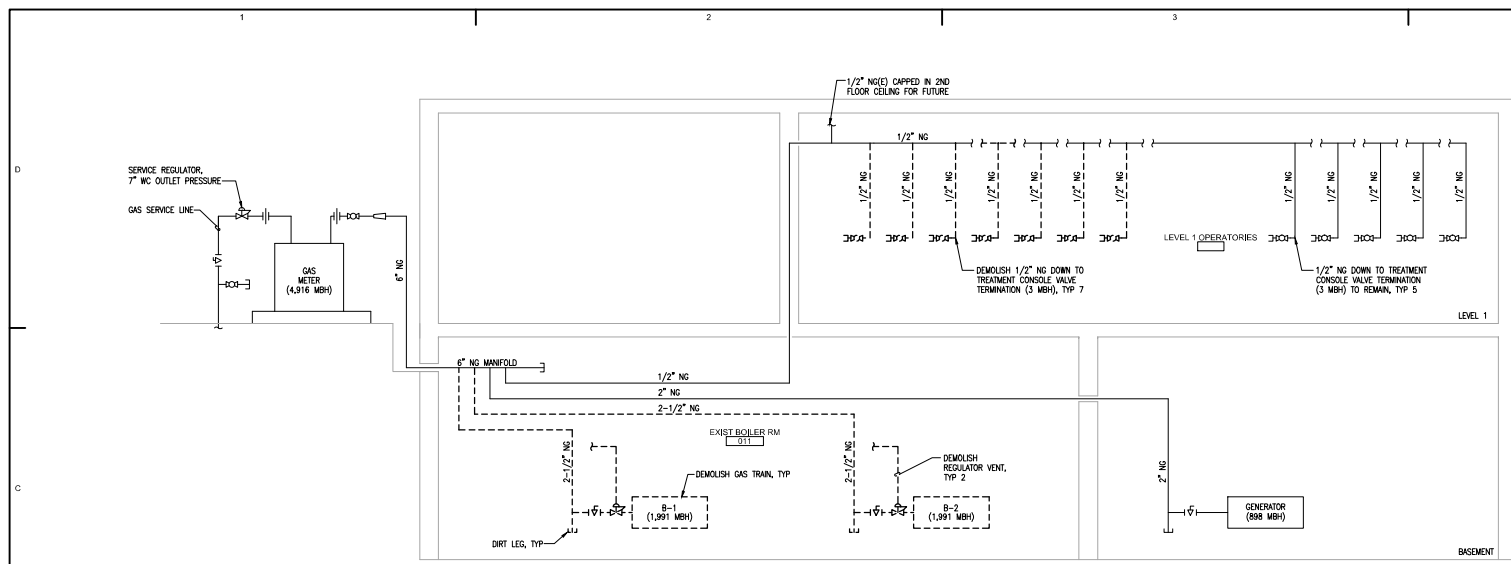
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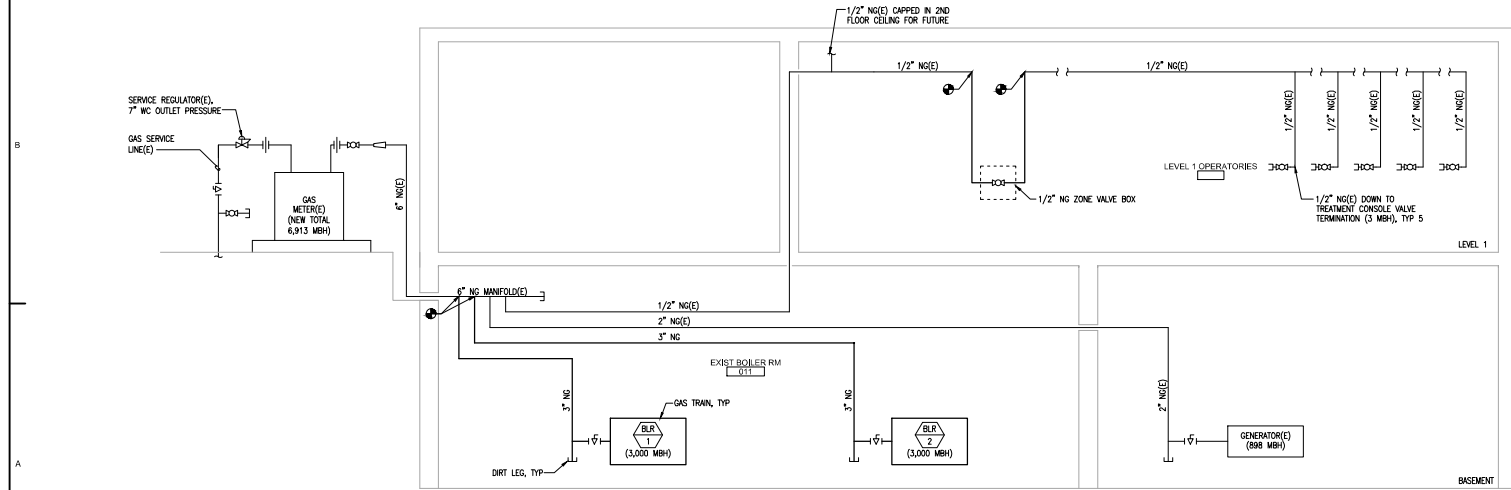
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Sheet Contents
DETAILS AND DIAGRAMS
- PLUMBING

Sheet No.
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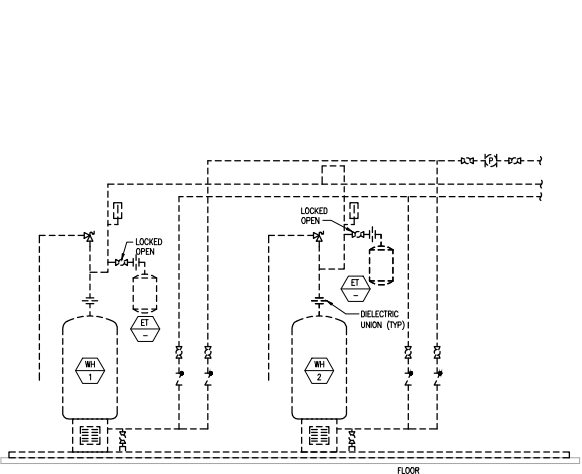


1 **DIAGRAM - NATURAL GAS - DEMOLITION**
MS01 SCALE: NONE

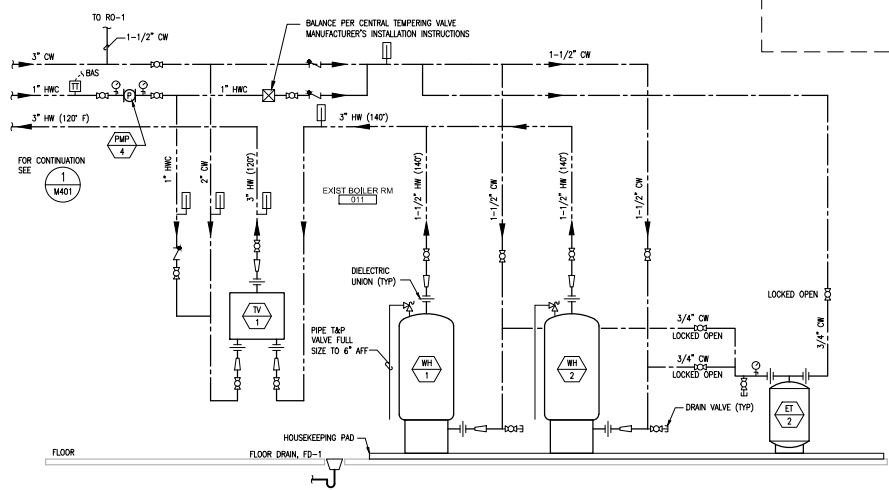


2 **DIAGRAM - NATURAL GAS**
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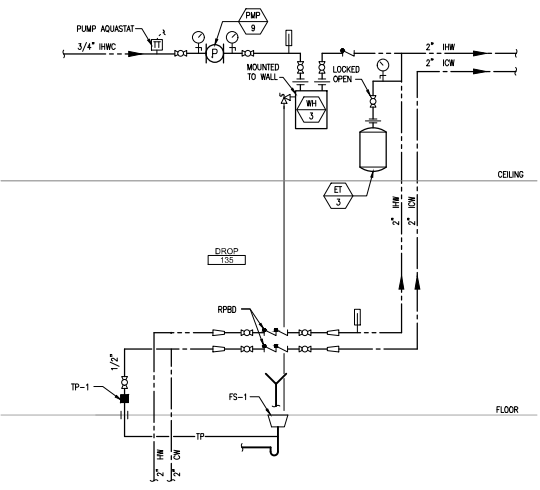
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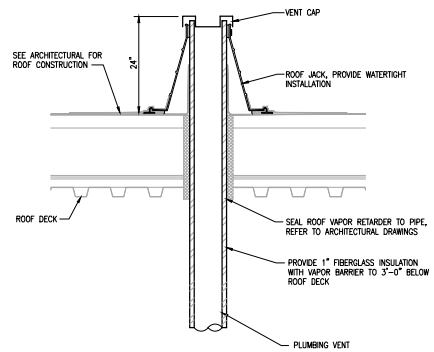
1 DIAGRAM - DOMESTIC HOT WATER - DEMOLITION
MS02 SCALE: NONE



2 DIAGRAM - DOMESTIC HOT WATER
MS02 SCALE: NONE



3 DIAGRAM - SPD WATER SYSTEM
MS02 SCALE: NONE



4 DETAIL - VENT THROUGH ROOF
MS02 SCALE: NONE

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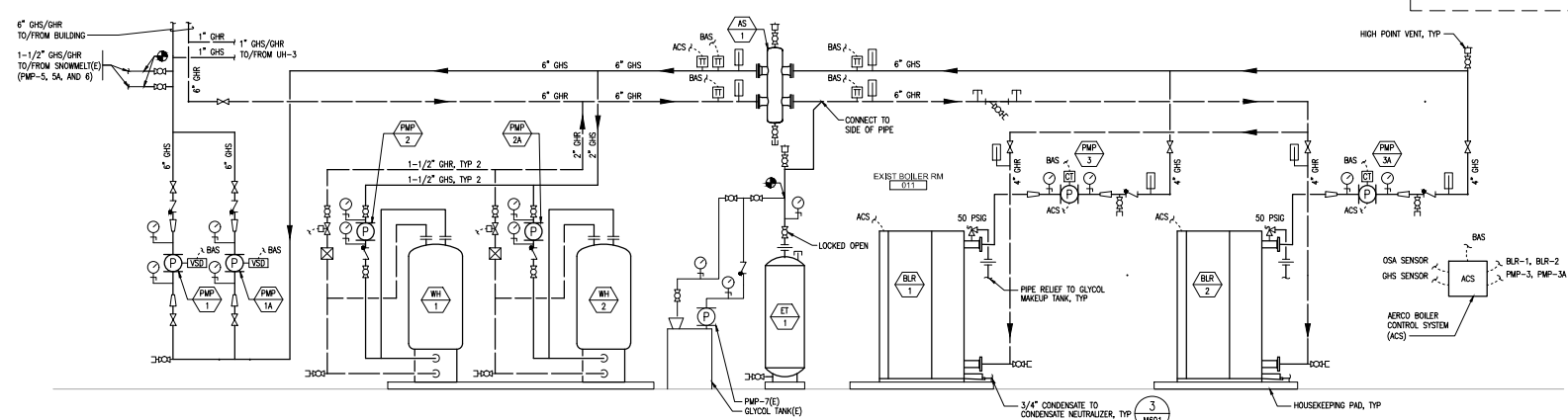
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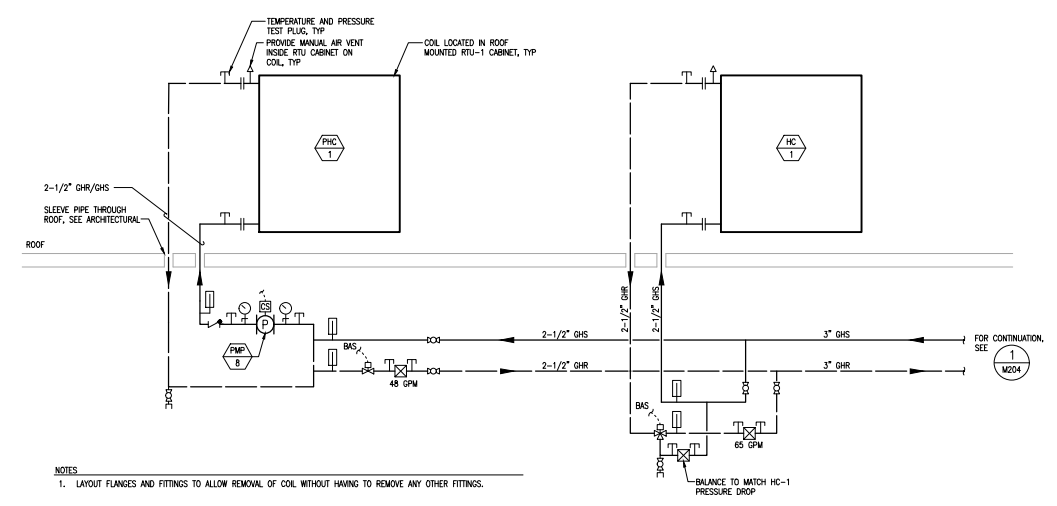
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DETAILS AND DIAGRAMS
- PLUMBING

Sheet No.
M502

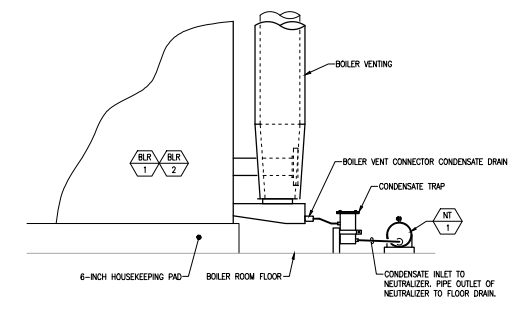
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2 **DIAGRAM - HEATING SYSTEM**
M601 SCALE: NONE



2 **DIAGRAM - RTU-1 HEATING COIL PIPING**
M601 SCALE: NONE



3 **DETAIL - CONDENSATE NEUTRALIZER NT-1**
M601 SCALE: NONE

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SOUTHCENTRAL FOUNDATION
**SCF FIREWEED BUILDING
RENOVATION**
4341 TUDOR CENTRE DR

Revisions

No.	Description	Date

Drawn by TBD	Date 07/10/2023
Checked by MDL	Job No. 21003.03

Sheet Contents
DETAILS AND DIAGRAMS
- HEATING

Sheet No.
M601

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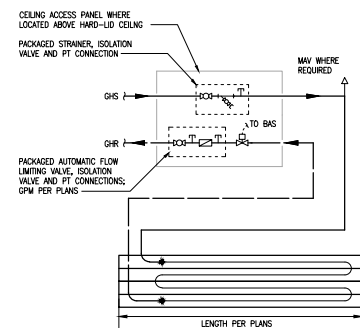
Revisions

No.	Description	Date

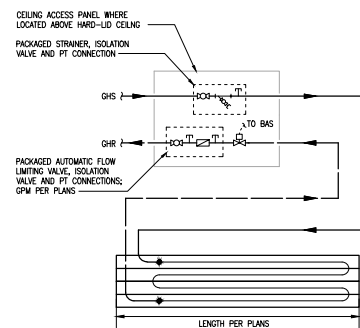
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Sheet Contents
 DETAILS AND DIAGRAMS
 - HEATING

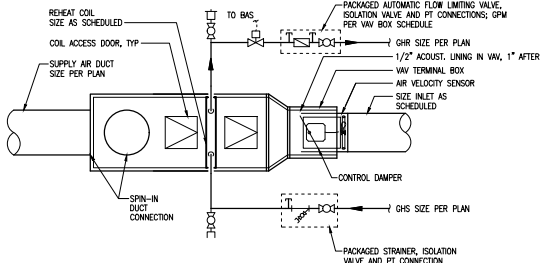
Sheet No.
M602



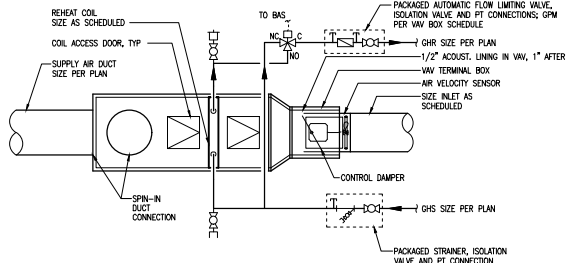
1 **DETAIL - SINGLE RADIANT CEILING PANEL**
 M602 SCALE: NONE



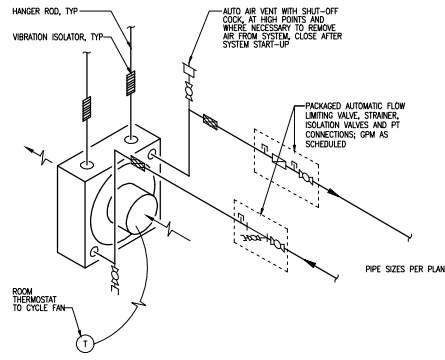
2 **DETAIL - RADIANT CEILING PANELS PIPED IN SERIES**
 M602 SCALE: NONE



3 **DETAIL - VAV BOX WITH REHEAT COIL (2-WAY)**
 M602 SCALE: NONE



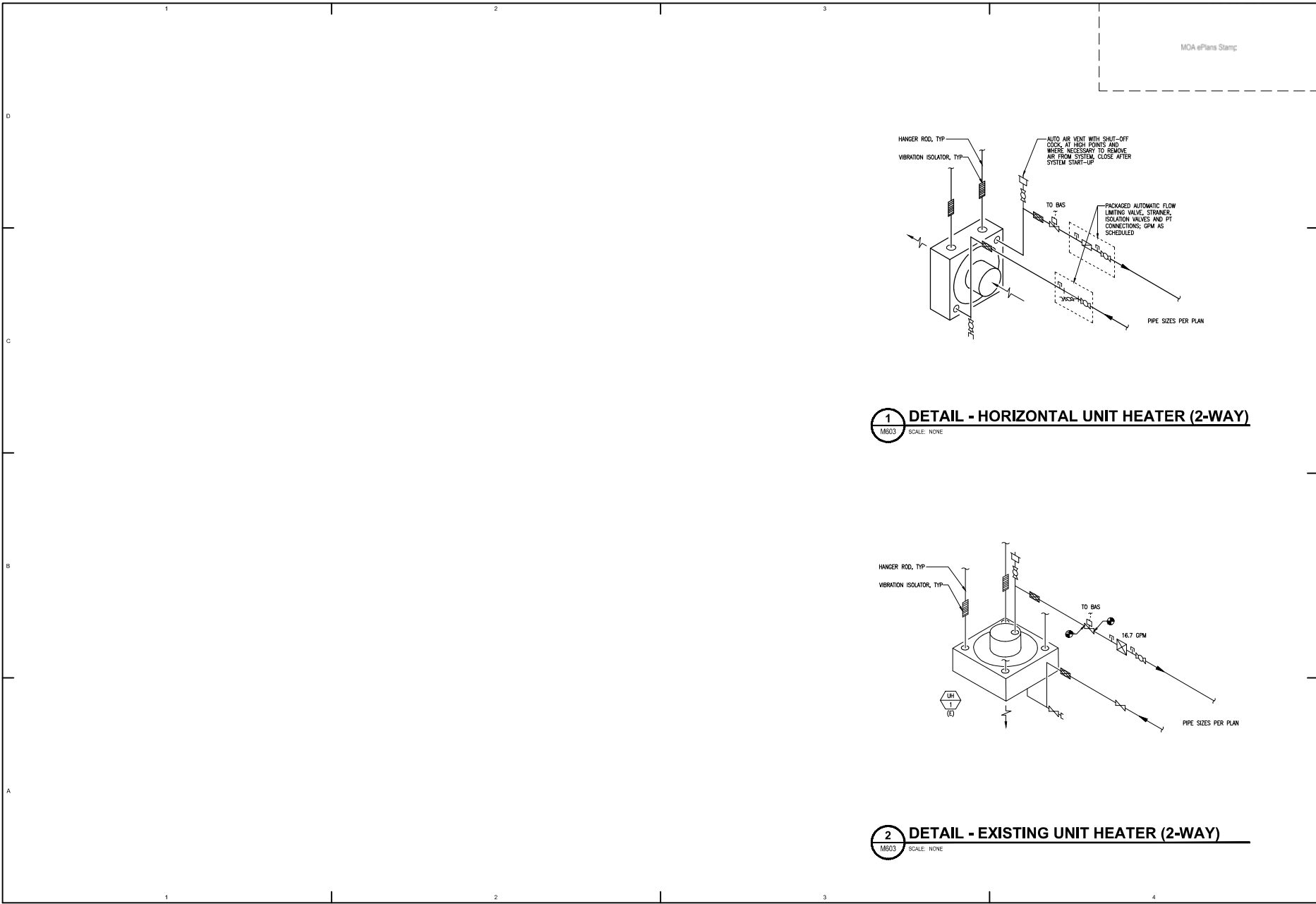
4 **DETAIL - VAV BOX WITH REHEAT COIL (3-WAY)**
 M602 SCALE: NONE



5 **DETAIL - HORIZONTAL UNIT HEATER**
 M602 SCALE: NONE

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1 **DETAIL - HORIZONTAL UNIT HEATER (2-WAY)**
 M603 SCALE: NONE

2 **DETAIL - EXISTING UNIT HEATER (2-WAY)**
 M603 SCALE: NONE

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Sheet Contents
 DETAILS AND DIAGRAMS
 - HEATING

Sheet No.
M603

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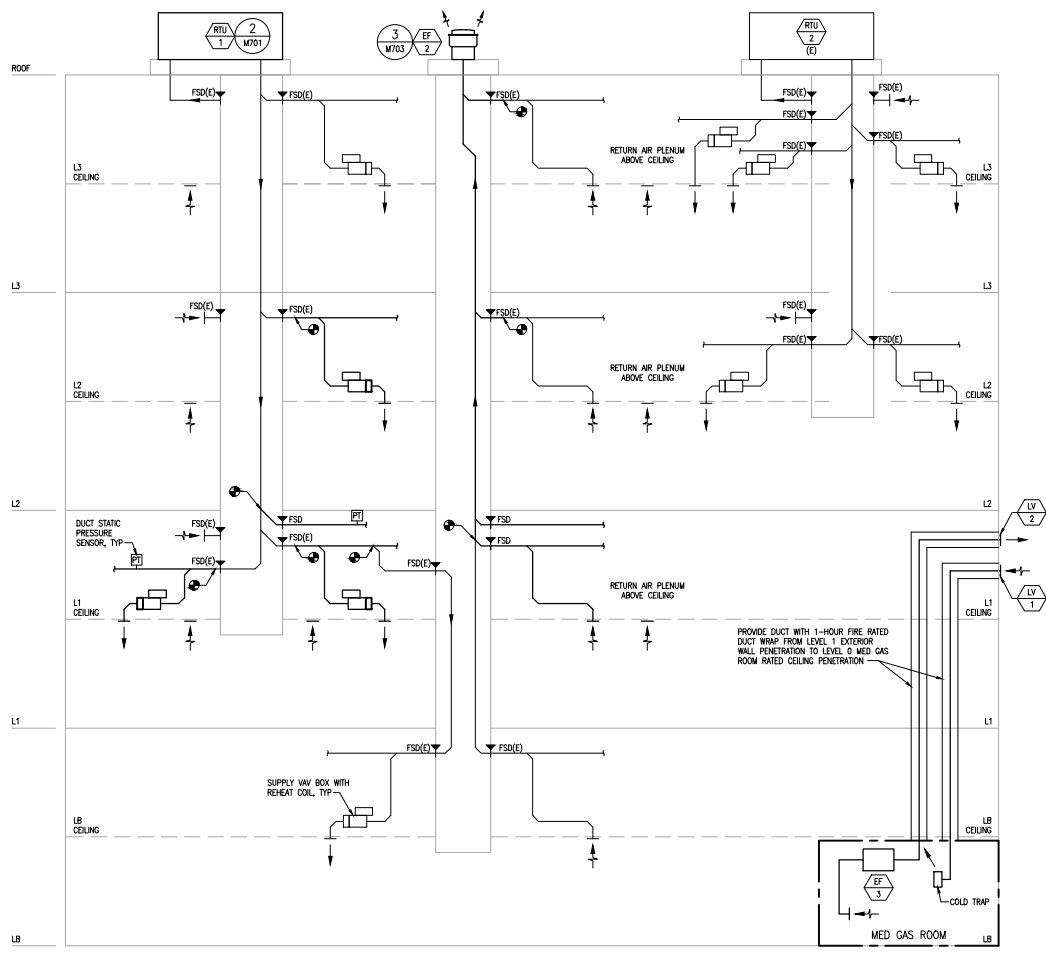
Revisions

No.	Description	Date

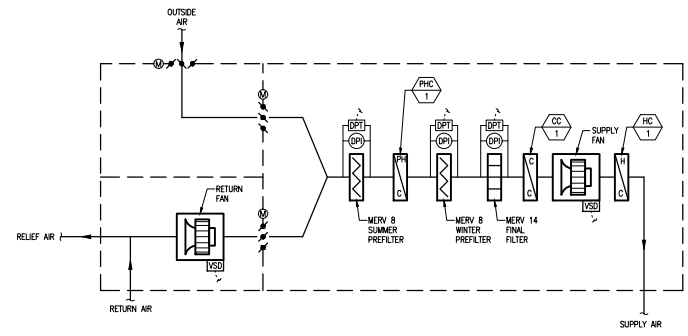
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Checked MDL	Job No. 21003.03

Sheet Contents
 DETAILS AND DIAGRAMS
 - VENTILATION

Sheet No.
M701

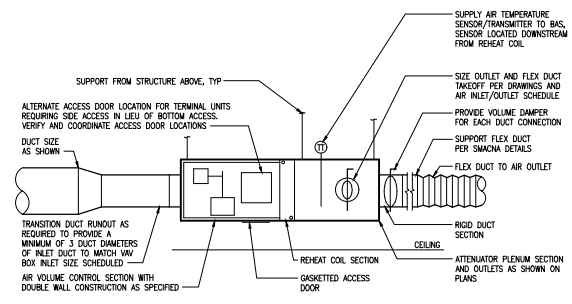


1 DIAGRAM - VENTILATION
 M701 SCALE: NONE



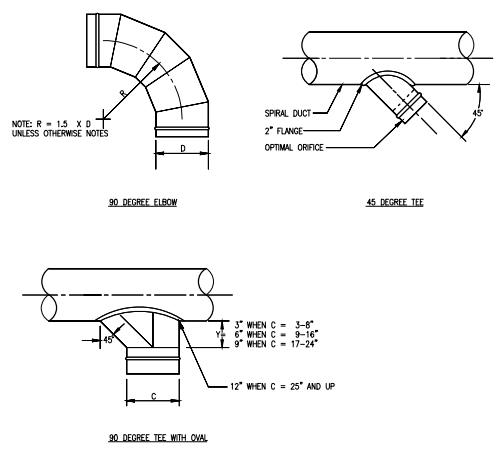
2 DIAGRAM - RTU-1
 M701 SCALE: NONE

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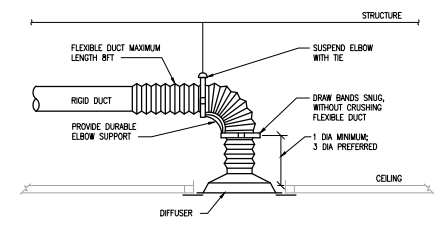


- NOTES**
1. QUANTITY OF FLEXIBLE DUCT CONNECTIONS AND ARRANGEMENT SHOWN ON VENTILATION PLANS.
 2. SEAL SEAMS, JOINTS, AND DUCT CONNECTIONS AS SPECIFIED.
 3. CENTER DUCT CONNECTIONS IN SIDES OF LOW PRESSURE PLENUMS.

1 DETAIL - VAV BOX
 M702 SCALE: NONE



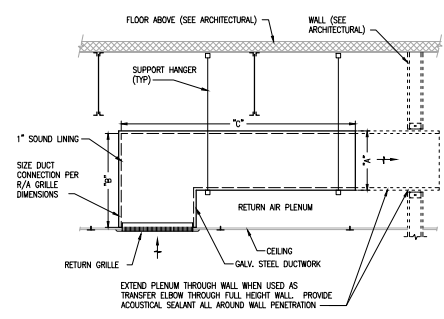
2 DETAIL - TYPICAL DUCT FITTINGS
 M702 SCALE: NONE



- NOTES**
1. WHEN LENGTH OF STRAIGHT DUCT UPSTREAM OF DIFFUSER IS LESS THAN 3 DIA, PROVIDE AN EQUALIZING GRID.

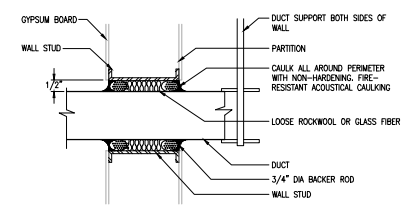
3 DETAIL - FLEXIBLE DUCT CONNECTION
 M702 SCALE: NONE

GRILLE TAG	DIMENSIONS (IN)			
	A	B	C	DEPTH
RA	24	42	56	24
RB	12	30	48	24



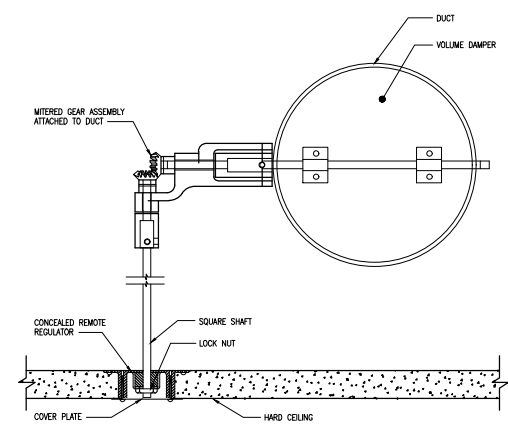
EXTEND PLENUM THROUGH WALL WHEN USED AS TRANSFER ELBOW THROUGH FULL HEIGHT WALL. PROVIDE ACOUSTICAL SEALANT ALL AROUND WALL PENETRATION

4 DETAIL - R/A GRILLE WITH SOUND PLENUM
 M702 SCALE: NONE



- NOTES**
1. DUCT SHALL NOT CONTACT WALL.
 2. CAULKING SHALL FORM AIR-TIGHT SEAL AROUND DUCT.
 3. TERMINATE AND SEAL DUCT INSULATION ON BOTH SIDES OF WALL PENETRATION.

5 DETAIL - TYPICAL DUCT PENETRATION
 M702 SCALE: NONE



6 DETAIL - REMOTE OPERATED VOLUME DAMPER
 M702 SCALE: NONE

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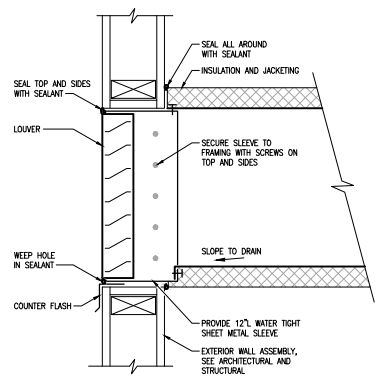
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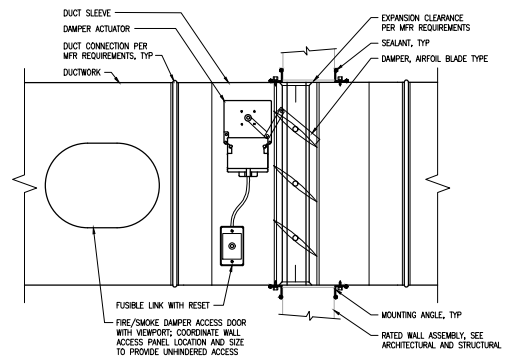
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Sheet Contents
 DETAILS AND DIAGRAMS
 - VENTILATION

Sheet No.
M702

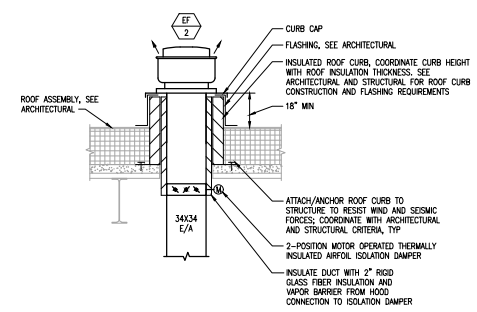


1 DETAIL - LOUVER
M703 SCALE: NONE

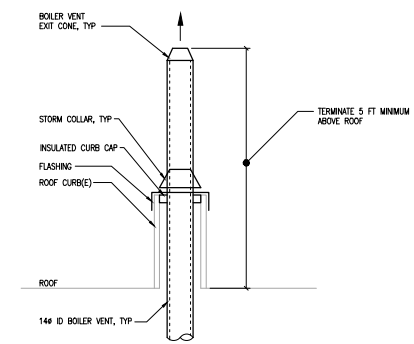


- NOTES**
1. INSTALL IN ACCORDANCE WITH MANUFACTURER'S UL LISTED INSTALLATION INSTRUCTIONS.
 2. COORDINATE CEILING ACCESS TO PROVIDE UNHINDERED ACCESS TO DUCT ACCESS DOOR/VIEWPORT, DAMPER, AND ACTUATOR ASSEMBLY.

2 DETAIL - RECTANGULAR DUCTED FSD
M703 SCALE: NONE



3 DETAIL - ROOF MOUNTED EXHAUST FAN
M703 SCALE: NONE



4 DETAIL - BOILER CHIMNEY
M703 SCALE: NONE

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DETAILS AND DIAGRAMS
- VENTILATION

Sheet No.
M703

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1 GENERAL		2 ABBREVIATIONS		3 LIGHTING		4 POWER		5 SPECIAL SYSTEMS	
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	SHEET NOTE CONVENTION: REFERENCED SHEET NOTE GENERAL SHEET NOTE	ACS	ACCESS CONTROL SYSTEM		RECEPTACLE MOUNTING: RECEPTACLE - WALL MOUNTED (SEE "RECEPTACLE TYPES" BELOW)		TELECOMMUNICATION OUTLET - WALL MOUNTED (X DENOTES NUMBER OF PORTS)		TELECOMMUNICATION OUTLET - FLOOR MOUNTED (X DENOTES NUMBER OF PORTS)
	FEEDER IDENTIFICATION TAG FEEDER NUMBER	AFB	ABOVE FINISHED FLOOR		LIGHTING FIXTURE - WALL MOUNTED		RECEPTACLE - WALL MOUNTED, HORIZONTAL (SEE "RECEPTACLE TYPES" BELOW)		TELECOMMUNICATION OUTLET - CEILING MOUNTED (X DENOTES NUMBER OF PORTS)
	DETAIL REFERENCE DETAIL NUMBER SHEET WHERE DETAIL APPEARS	AL	ALUMINUM		LIGHTING FIXTURE - SURFACE OR PENDANT MOUNTED		RECEPTACLE - FLOOR MOUNTED (SEE "RECEPTACLE TYPES" BELOW)		INTERCOM CALL IN STATION
	SECTION REFERENCE SECTION LETTER SHEET WHERE SECTION APPEARS	APPROX	APPROXIMATE		LIGHTING FIXTURE CONNECTED TO EMERGENCY POWER CIRCUIT, NIGHT LIGHT		RECEPTACLE - CEILING MOUNTED (SEE "RECEPTACLE TYPES" BELOW)		FIRE ALARM MANUAL PULL STATION
	LINE WORK CONVENTION: NEW OR REINSTALLED ITEM ITEM TO BE DEMOLISHED EXISTING ITEM TO REMAIN FUTURE ITEM EXISTING ITEM TO BE RELOCATED	AS	ACCESS		LIGHTING FIXTURE CONNECTED TO EMERGENCY POWER CIRCUIT		RECEPTACLE TYPES: DUPLX RECEPTACLE WITH 2 USB PORTS		FIRE ALARM STROBE - WALL MOUNTED (X DENOTES CANDELA RATING IF OTHER THAN 15cd)
	CONDUIT/FEEDER LINE CONVENTION: CONCEALED UNDERGROUND OR CONCEALED IN FLOOR EXPOSED FLEXIBLE CONDUIT	BA	BUILDING AUTOMATION SYSTEM		EXIT FIXTURE - WALL MOUNTED SHADED AREAS DENOTE FACE(S) OF SIGN, ARROWS AS NOTED (FIXTURE TYPE EX)		DUPLX RECEPTACLE		FIRE ALARM STROBE - CEILING MOUNTED (X DENOTES CANDELA RATING IF OTHER THAN 15cd)
	CIRCUITING CONVENTION: CIRCUIT NUMBER(S) PANEL BRANCH CIRCUIT HOMERUN TO PANELBOARD NUMBER OF MARKS INDICATE NUMBER OF CONDUCTORS IN RACEWAY, NOT COUNTING GROUNDING CONDUCTORS, (ABSENCE OF MARKS INDICATE TWO CONDUCTORS, PLUS REQUIRED GROUNDS) NUMBER OF ARROWS INDICATE NUMBER OF CIRCUITS UNSWITCHED CONDUCTORS SHOWN ON NONDRIP SIDE OF NEUTRAL NEUTRAL SWITCHED CONDUCTORS SHOWN ON LOAD SIDE OF NEUTRAL	CB	CLOSED CIRCUIT TELEVISION		EXIT FIXTURE - CEILING MOUNTED SHADED AREAS DENOTE FACE(S) OF SIGN, ARROWS AS NOTED (FIXTURE TYPE EX)		GROUND FAULT INTERRUPTER, DUPLX RECEPTACLE		FIRE ALARM HORN - WALL MOUNTED
		CC	COMMUNICATIONS MANHOLE		EMERGENCY LIGHTING UNIT - WALL MOUNTED (FIXTURE TYPE XA)		DOUBLE DUPLX RECEPTACLE		FIRE ALARM HORN - CEILING MOUNTED
		CD	CONDUIT ONLY		EMERGENCY LIGHTING UNIT - CEILING MOUNTED (FIXTURE TYPE XA)		GROUND FAULT INTERRUPTER, DOUBLE DUPLX RECEPTACLE		FIRE ALARM SPEAKER - WALL MOUNTED
		CE	COPPER		SITE LIGHTING - POLE MOUNTED		ELECTRICAL DEVICES: SPECIAL PURPOSE RECEPTACLE, NEMA TYPE AS NOTED		FIRE ALARM SPEAKER - CEILING MOUNTED
		CF	DEMOLISH		SINGLE POLE SWITCH		POWER POLE		BELL - WALL MOUNTED
		CG	DISCONNECT		THREE-WAY SWITCH		DRYER		FIRE ALARM HORN/STROBE - WALL MOUNTED (X DENOTES CANDELA RATING IF OTHER THAN 15cd)
		CH	DISHWASHER		SWITCH FOR FIXTURES MARKED 'G', 'L', 'N', 'O', 'S', 'U', 'V', 'W', 'X', 'Y', 'Z'		MOTOR		FIRE ALARM HORN/STROBE - CEILING MOUNTED (X DENOTES CANDELA RATING IF OTHER THAN 15cd)
		CI	EMERGENCY LIGHT		KEYED SWITCH		SWITCH - THERMAL TRIP WITH HEATER		FIRE ALARM CHIME/STROBE - WALL MOUNTED (X DENOTES CANDELA RATING IF OTHER THAN 15cd)
		CL	EMERGENCY LIGHTING UNIT		MOMENTARY SWITCH		SURFACE MOUNTED RACEWAY		FIRE ALARM CHIME/STROBE - CEILING MOUNTED (X DENOTES CANDELA RATING IF OTHER THAN 15cd)
		CM	EXISTING		OCCUPANCY SENSOR/SWITCH		FUSED DISCONNECT		HEAT DETECTOR
		CO	EXISTING NIGHT LIGHT		PILOT LIGHTED SWITCH		NON-FUSED DISCONNECT		FIXED TEMPERATURE HEAT DETECTOR (135 DEGREES FAHRENHEIT)
		CP	FUTURE		PHOTOCELL		COMBINATION STARTER/FUSED DISCONNECT		DUCT DETECTOR
		CQ	FUTURE		OCCUPANCY SENSOR - WALL MOUNTED		STARTER OR CONTACTOR		FLOW SWITCH
		CR	FUTURE		OCCUPANCY SENSOR - CEILING MOUNTED		JUNCTION BOX AND/OR CONNECTION TO EQUIPMENT		TAMPER SWITCH
		CS	FUTURE		LOW VOLTAGE SWITCH(ES) FOR FIXTURES MARKED 'G', 'N', 'O', 'S', 'U', 'V', 'W', 'X', 'Y', 'Z'		METERING DEVICE		PRESSURE SWITCH
		CT	FUTURE		KEYED LOW VOLTAGE SWITCH(ES) FOR FIXTURES MARKED 'G', 'N', 'O', 'S', 'U', 'V', 'W', 'X', 'Y', 'Z', ETC		VARIABLE SPEED DRIVE		DOOR HOLDER
		CU	FUTURE				PUSHBUTTON - SPECIAL		DOOR HOLDER/CLOSER
		CV	FUTURE				PUSHBUTTON (1 BUTTON)		FIRE ALARM CONTROL PANEL
		CA	FUTURE				PUSHBUTTON (2 BUTTON)		FIRE ALARM ANNUNCIATOR
		CB	FUTURE				PUSHBUTTON (3 BUTTON)		FIRE SMOKE DAMPER
		CC	FUTURE				PANEL - SURFACE MOUNTED		GLASS BREAK DETECTOR - WALL MOUNTED
		CD	FUTURE				PANEL - FLUSH MOUNTED		GLASS BREAK DETECTOR - CEILING MOUNTED
		CE	FUTURE				TRANSFORMER		SECURITY INFRARED MOTION DETECTOR - LONG RANGE - WALL MOUNTED
		CF	FUTURE				RELAY		SECURITY INFRARED MOTION DETECTOR - 360 DEGREE COVERAGE - CEILING MOUNTED
		CG	FUTURE				GROUND FAULT RELAY		DOOR CONTACT
		CH	FUTURE						SECURITY KEYPAD
		CI	FUTURE						SECURITY CARD READER
		CL	FUTURE						CCTV CAMERA - PAN TILT ZOOM
		CM	FUTURE						CCTV CAMERA - FIXED
		CN	FUTURE						SPEAKER - WALL MOUNTED
		CO	FUTURE						SPEAKER - CEILING OR PENDANT MOUNTED
		CP	FUTURE						HEARING IMPAIRED INFRARED RADIATOR
		CQ	FUTURE						MICROPHONE - WALL MOUNTED
		CR	FUTURE						MICROPHONE - FLOOR MOUNTED
		CS	FUTURE						TELEVISION OUTLET, 4+90 AFF. ION.
		CT	FUTURE						DOCUMENT CAMERA - CEILING MOUNTED
		CU	FUTURE						OVERHEAD PROJECTOR
		CV	FUTURE						ANALOG CLOCK
		CA	FUTURE						ANALOG CLOCK/SPEAKER UNIT
		CB	FUTURE						DIGITAL CLOCK
		CC	FUTURE						DIGITAL CLOCK/SPEAKER UNIT

NOTE: THIS IS A STANDARD LEGEND. NOT ALL SYMBOLS NECESSARILY APPEAR ON THE DRAWINGS

DRAWING INDEX

NO.	DESCRIPTION
E001	LEGEND & ABBREVIATIONS
E002	LIGHTING SCHEDULES
E003	PANEL SCHEDULES
E004	PANEL SCHEDULES
E005	PANEL SCHEDULES
E006	PANEL SCHEDULES
E100	OVERALL PLAN - BASEMENT
ED102	DEMOLITION FIRST FLOOR PLAN - LIGHTING
ED103	DEMOLITION SECOND FLOOR PLAN - LIGHTING
ED202	DEMOLITION FIRST FLOOR PLAN - POWER
ED203	DEMOLITION SECOND FLOOR PLAN - POWER
ED302	DEMOLITION FIRST FLOOR PLAN - SPECIAL SYSTEMS
ED303	DEMOLITION SECOND FLOOR PLAN - SPECIAL SYSTEMS
ED401	DEMOLITION ROOF PLAN - ELECTRICAL
E102	FIRST FLOOR PLAN - LIGHTING
E102C	FIRST FLOOR PLAN - LIGHTING CONTROL
E103	SECOND FLOOR PLAN - LIGHTING
E103C	SECOND FLOOR PLAN - LIGHTING CONTROL
E202	FIRST FLOOR PLAN - POWER
E203	SECOND FLOOR PLAN - POWER
E302	FIRST FLOOR PLAN - SPECIAL SYSTEMS
E303	SECOND FLOOR PLAN - SPECIAL SYSTEMS
E401	ROOF PLAN - ELECTRICAL
E501	ENLARGED PLANS - BASEMENT
E502	ENLARGED PLANS - ELECTRICAL & TELECOM ROOMS
E503	ENLARGED PLANS - LAB AND STERILE ROOMS
E504	ENLARGED PLANS - OR
E505	ENLARGED PLANS - SPECIALTY SLITES
E506	ENLARGED PLANS - GARAGE BASEMENT
E601	DETAILS AND DIAGRAMS
E701	POWER ONE-LINE DIAGRAM



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Sheet Contents
 LEGEND & ABBREVIATIONS

Sheet No.
E001

LIGHTING CONTROLS SCHEDULE

AREA	DESCRIPTION																																										
1	ALWAYS "ON" WHEN OCCUPIED, OCCUPANCY CONTROL WITHIN LIGHT FIXTURE. AUTOMATIC "OFF" AFTER 30 MINUTES OF INACTIVITY.																																										
2	LOCAL WALL MOUNTED OCCUPANCY CONTROL WITH MANUAL OVERRIDE "ON/OFF". AUTOMATIC "OFF" AFTER 15 MINUTES OF INACTIVITY.																																										
3	LOCAL CEILING MOUNTED OCCUPANCY CONTROL WITH MANUAL OVERRIDE "ON/OFF". AUTOMATIC "OFF" AFTER 15 MINUTES OF INACTIVITY.																																										
4	LOCAL CEILING MOUNTED OCCUPANCY CONTROL. AUTOMATIC "OFF" AFTER 15 MINUTES OF INACTIVITY.																																										
5	UNDERCABINET LIGHTING WITH NO AUTOMATIC CONTROL. MANUAL CONTROL ONLY WITH LOCAL "ON/OFF" SWITCH.																																										
6	NO AUTOMATIC CONTROL. MANUAL "ON/OFF" CONTROL SWITCH ONLY.																																										
7	NO AUTOMATIC CONTROL. FIVE-BUTTON SCENE CONTROLLER AT DOOR ENTRANCE FOR CONTROL OF TYPE 1 LIGHTING FIXTURES.																																										
	<table border="1"> <thead> <tr> <th>SCENE</th> <th>INTENSITY</th> <th>COLOR TEMP</th> </tr> </thead> <tbody> <tr> <td>GENERAL</td> <td>80%</td> <td>4000K</td> </tr> <tr> <td>EXAMP</td> <td>100%</td> <td>5000K</td> </tr> <tr> <td>WAITING</td> <td>50%</td> <td>2700K</td> </tr> <tr> <td>ON</td> <td>80%</td> <td>3500K</td> </tr> <tr> <td>OFF</td> <td>0%</td> <td>---</td> </tr> </tbody> </table> <p>SCENES, NAMING CONVENTION, AND COLOR TEMPERATURE SETTINGS SHALL BE CONFIRMED WITH OWNER. PROVIDE CONTROLLER WITH SCENE TEXT.</p>	SCENE	INTENSITY	COLOR TEMP	GENERAL	80%	4000K	EXAMP	100%	5000K	WAITING	50%	2700K	ON	80%	3500K	OFF	0%	---																								
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ON	80%	3500K																																									
OFF	0%	---																																									
8	OCCUPANCY CONTROL WITHIN LIGHT FIXTURE. LOCAL WALL MOUNTED CONTROLLER(S) WITH "ON/OFF" AND MANUAL DIMMING. AUTOMATIC OFF AFTER 15 MINUTES OF INACTIVITY.																																										
9	"SUNDIAL CONTROLLER" INTEGRAL TO THE LIGHTGLASS FIXTURES AUTOMATICALLY SELECTS COLOR TEMPERATURE AND INTENSITY. OTHER TYPE (M) LIGHT FIXTURES IN ROOM TO FOLLOW CCT OF LIGHTGLASS CONTROLLER AS CLOSELY AS POSSIBLE. LOCAL WALL MOUNTED DIMMER MANUALLY OVERRIDES INTENSITY. NO MANUAL OVERRIDE FOR COLOR TEMPERATURE.																																										
10	OCCUPANCY CONTROL WITHIN LIGHT FIXTURE. MANUAL DIMMING AND COLOR TEMPERATURE CONTROL PROVIDED WITH LOCAL DIMMER/CCT SWITCH FOR ZONES "d" and "e". AUTOMATIC SHUTOFF WITHIN 15 MINUTES OF INACTIVITY.																																										
11	NO AUTOMATIC CONTROL. LOCAL WALL MOUNTED CONTROLLER WITH "ON/OFF" AND DIMMING CONTROL.																																										
12	HALLWAY KIOSK: FIXTURE TYPE N CONTROLLED WITH ADJACENT HALLWAY LIGHT FIXTURES.																																										
13	OCCUPANCY CONTROL WITHIN LIGHT FIXTURE. LOCAL WALL MOUNTED CONTROLLER WITH "ON/OFF". AUTOMATIC OFF AFTER 15 MINUTES INACTIVITY.																																										
14	NO AUTOMATIC CONTROL. FIVE-BUTTON SCENE CONTROLLER AT DOOR ENTRANCE(S) FOR CONTROL OF TYPE U and C LIGHT FIXTURES.																																										
	<table border="1"> <thead> <tr> <th>SCENE</th> <th>INTENSITY</th> <th>Zone "a"</th> <th>Zone "b"</th> <th>Zone "c"</th> <th>Zone "d"</th> <th>Zone "e"</th> </tr> </thead> <tbody> <tr> <td>GENERAL</td> <td>80%</td> <td>80%</td> <td>80%</td> <td>80%</td> <td>80%</td> <td>80%</td> </tr> <tr> <td>CONFERENCE</td> <td>100%</td> <td>80%</td> <td>25%</td> <td>25%</td> <td>25%</td> <td>25%</td> </tr> <tr> <td>PRESENTATION</td> <td>50%</td> <td>25%</td> <td>25%</td> <td>0%</td> <td>0%</td> <td>0%</td> </tr> <tr> <td>ON</td> <td>50%</td> <td>50%</td> <td>50%</td> <td>50%</td> <td>50%</td> <td>50%</td> </tr> <tr> <td>OFF</td> <td>0%</td> <td>0%</td> <td>0%</td> <td>0%</td> <td>0%</td> <td>0%</td> </tr> </tbody> </table> <p>SCENES AND NAMING CONVENTION SETTINGS SHALL BE CONFIRMED WITH OWNER. PROVIDE CONTROLLER WITH SCENE TEXT. CCT TUNING IS MANUAL ONLY.</p>	SCENE	INTENSITY	Zone "a"	Zone "b"	Zone "c"	Zone "d"	Zone "e"	GENERAL	80%	80%	80%	80%	80%	80%	CONFERENCE	100%	80%	25%	25%	25%	25%	PRESENTATION	50%	25%	25%	0%	0%	0%	ON	50%	50%	50%	50%	50%	50%	OFF	0%	0%	0%	0%	0%	0%
SCENE	INTENSITY	Zone "a"	Zone "b"	Zone "c"	Zone "d"	Zone "e"																																					
GENERAL	80%	80%	80%	80%	80%	80%																																					
CONFERENCE	100%	80%	25%	25%	25%	25%																																					
PRESENTATION	50%	25%	25%	0%	0%	0%																																					
ON	50%	50%	50%	50%	50%	50%																																					
OFF	0%	0%	0%	0%	0%	0%																																					
15	OCCUPANCY CONTROL WITHIN LIGHT FIXTURE. MANUAL DIMMING AND COLOR TEMPERATURE CONTROL PROVIDED WITH LOCAL DIMMER/CCT SWITCH. AUTOMATIC SHUTOFF WITHIN 15 MINUTES OF INACTIVITY.																																										

EXISTING LIGHTING RELOCATED - FOR REFERENCE ONLY

TYPE	DESCRIPTION	COLOR TEMP	LUMENS	POWER (W)	MOUNTING
A(R)	OREE LS4-40L-840-R-UL EXISTING 1X4 SUSPENDED LINEAR FIXTURE	4000K	4000	40	SUSPENDED NOTE 3, 5
A(R),E(L)	OREE LS4-40L-840-R-UL-EB1 TYPE A(R) WITH BATTERY BACKUP	4000K	4000	40	SUSPENDED NOTE 3, 5
B(R)	OREE CR24-40L-ACK-CMA EXISTING 2X4 RECESSED LINEAR	3000K-5000K	4000	40	RECESSED CEILING
B(R),E(L)	OREE CR24-40L-ACK-CMA-EB10W TYPE B(R) WITH BATTERY BACKUP	3000K-5000K	NORMAL = 4000 EMER = 1000	NORMAL = 40 EMER = 10	RECESSED CEILING NOTE 2
K(R)	OREE CR22-32L-ACK-CMA EXISTING 2X2 RECESSED LINEAR	3000K-5000K	3200	32	RECESSED CEILING
K(R),E(L)	OREE CR22-32L-ACK-CMA-EB10W TYPE K(R) WITH BATTERY BACKUP	3000K-5000K	NORMAL = 3000 EMER = 1000	NORMAL = 40 EMER = 10	RECESSED CEILING NOTE 2
M(R)	OREE ZR24-60L-40K-SC1-UNV-W10 EXISTING 2X4 RECESSED LINEAR	4000K	6150	44	RECESSED CEILING
M(R),E(L)	OREE ZR24-60L-40K-SC1-UNV-EB-W10 TYPE M(R) WITH BATTERY BACKUP	4000K	NORM = 6150 EMER = 1480	NORMAL = 44 EMER = 10	RECESSED CEILING NOTE 2
N(R)	OREE CD86-ALS-840K-10V5-WH-LNV EXISTING RECESSED LED DOWNLIGHT	3500K	1500	19	RECESSED CEILING NOTE 2,4,6
S4(R)	VISOR LT148-LED840K030LUNV-F06V00 EXISTING UNDERCABINET FIXTURE	4000K	3000	42	UNDERCABINET

EXISTING LIGHTING RELOCATED SCHEDULE NOTES

- REFER TO SPECIFICATION SECTIONS 26 50 00 FOR ADDITIONAL REQUIREMENTS REGARDING LIGHTING FIXTURES AND LED DRIVERS.
- PROVIDE AN EMERGENCY CIRCUIT CONNECTION (CIRCUIT AS NOTED ON DRAWINGS) TO ALL EXIT SIGNS AND EMERGENCY LIGHTING FIXTURES. WIRING FOR FIXTURES CONNECTED TO EMERGENCY CIRCUITS SHALL BE KEPT ENTIRELY INDEPENDENT OF ALL OTHER WIRING AND EQUIPMENT IN ACCORDANCE WITH NEC ARTICLE 700.
- SURFACE CEILING MOUNT FIXTURES IN ROOMS/AREAS WITH CEILING. IN AREAS WITHOUT CEILING, PENDANT FIXTURES DOWN FROM BOTTOM OF STRUCTURE TO HEIGHT INDICATED. IN AREAS WITH MECHANICAL EQUIPMENT, DUCTWORK AND PIPING, PENDANT FIXTURES DOWN TO BOTTOM OF MECHANICAL DUCTWORK OR PIPING AS APPROPRIATE. FIXTURE PENDANTS SHALL BE RIGID (THREADED HANGAR ROOS) AND SHALL BE SWAY BRACED WHERE PENDANTS EXCEED 24 INCHES IN LENGTH.
- PROVIDE WITH ZONE CONTROLLER OREE CSC-20-10V-0VC AND INVERTER MULE MFS-55-SF AS NEEDED. CONNECT FIXTURES WITH EL DESIGNATION TO INVERTER ACCORDING TO MANUFACTURER INSTRUCTIONS. REFER TO LIGHTING CONTROL SHEETS FOR FURTHER DETAILS. RELOCATED FIXTURES TO REUSE EXISTING ZONE CONTROLLERS AND INVERTERS AS NEEDED. PROVIDE EMERGENCY CIRCUIT CONNECTION TO INVERTER.
- PROVIDE POWER FEED ADJUSTABLE CABLE SUPPORT OREE ACS-12/3-48-0148-J8 FOR INSTALLATION WITH FIXTURE. RELOCATED FIXTURES TO REUSE EXISTING POWER FEED ADJUSTABLE CABLE SUPPORT AS NEEDED
- LIGHT FIXTURE COMES WITH INTEGRATED SWITCH TO CHANGE LUMEN AND COLOR TEMPERATURE SETTINGS. SET SWITCH TO THE SETTINGS INDICATED BEFORE INSTALLING LIGHT FIXTURE.

LIGHTING FIXTURE SCHEDULE

TYPE	DESCRIPTION	COLOR TEMP	LUMENS	POWER (W)	MOUNTING
C	PRESCOLITE LFR-480-M-10L-2765T-9-W0-DMT/LFR-480-T-35-W/LFR-480-W 4" RECESSED DOWNLIGHT, ANODIZED FINISH, SEMI-SPECULAR REFLECTOR, PAINTED WHITE FLANGE, CCT TUNING	2700K-6500K	1000	13	RECESSED CEILING
C,E(L)	PRESCOLITE LFR-480-M-10L-2765T-9-W0-DMT-EM/LFR-480-T-35-W/LFR-480-W TYPE C WITH BATTERY PACK	2700K-6500K	1000	13	RECESSED CEILING
D2	OREE S13-RC-02-L-8-35K-L-1-SC5-1-WH (N X L) 3'X2' RECESSED CEILING LINEAR FIXTURE, MATTE WHITE FINISH, 80 CR, 5% DIMMING	3500K	1020	11	RECESSED CEILING
D4	OREE S13-RC-04-L-8-35K-L-1-SC5-1-WH-EB (N X L) 3'X2' RECESSED CEILING LINEAR FIXTURE, MATTE WHITE FINISH, 80 CR, 5% DIMMING	3500K	2050	19	RECESSED CEILING
D4,E(L)	OREE S13-RC-04-L-8-35K-L-1-SC5-1-WH-EB TYPE D4 WITH BACKUP BATTERY BACK	3500K	2050	19	RECESSED CEILING NOTE 2
F	FLUORWERX NB1-22-D-W2-E1-M-WD1 2'X2' RECESSED ARCHITECTURAL TROFFER, POWDER WHITE FINISH, 80 CR, CCT TUNING, 1% DIMMING	2700K-6700K	4968	47	RECESSED CEILING
F,E(L)	FLUORWERX NB1-22-D-W2-E1-M-WD1 TYPE F WITH BACKUP BATTERY PACK	2700K-6700K	4968	47	RECESSED CEILING NOTE 2
G2	LIGHTWAY VYER-LED-02B-3-HE-HEA-DMA-900R (3'X2') LED VANITY LIGHT FIXTURE, GLOSS WHITE END CAPS, WHITE SMOOTH ACRYLIC DIFFUSER, 90 CR	3500K	2000	15	HORIZONTAL ABOVE MIRROR
G4	LIGHTWAY VYER-LED-04B-3-HE-HEA-DMA-900R (3'X2') LED VANITY LIGHT FIXTURE, GLOSS WHITE END CAPS, WHITE SMOOTH ACRYLIC DIFFUSER, 90 CR	3500K	4000	29	HORIZONTAL ABOVE MIRROR
H	BOXER S/20 ARCHITECTURAL PENDANT, BROWN NATURAL WOOD FINISH	3000K	435	8	SURFACE MONOPONT NOTE 6,8
J	NEWSTAR SOR24-RC7S-L2351C-E-LNV-DM1 2'X4' STEEL HOUSING, SS DOORFRAME, SYMMETRIC DIFFUSED, WHITE Frosted LENS	3500K	6000	50	RECESSED CEILING
L	LIGHTWAY ART-00C-02A ARCHITECTURAL CHANDELER, SEE ARCHITECTURAL DRAWINGS FOR DETAILS	3000K	---	59	PENDANT MOUNT NOTE 6
P	INTENSE COBAYANG-11-309-D101-27-SF (405080) INTENSE IW7200-W-SF (REFLECTOR) 2" RECESSED WALLWASH DOWNLIGHT, WHITE ALUMINUM REFLECTOR	3500K	480	10	RECESSED
Q	INTENSE IS4000-W-SF-RC (REFLECTOR) 4'X4' RECESSED SQUARE DOWNLIGHT, STEEL FRAME, WHITE ALUMINUM REFLECTOR, WHITE TRIM, WIDE DISTRIBUTION, CCT TUNING	2700K-6500K	1000	18	RECESSED
R	LEZ E24R4-135P ARCHITECTURAL PENDANT, POLISHED CHROME SEE ARCHITECTURAL DRAWINGS FOR DETAILS	3000K	1000	25	PENDANT NOTE 4,6
S2	VISOR LT148-LED840K030LUNV-F06V00 UNDERCABINET FIXTURE, WHITE POWDER FINISH, CLEAR ACRYLIC LENS	4000K	1600	26	UNDERCABINET
S4	VISOR LT148-LED840K030LUNV-F06V00 TYPE S2 WITH 4" LENGTH	4000K	3000	42	UNDERCABINET
T	LUMENWERX AZ8R4P-SK-10W-15-2-95-35-NA-TRM-NOL-NA-1-WA 2" RECESSED PINNACLE ADJUSTABLE LED, 15 DEGREE BEAM, POWDER COATED, 95 CR	3500K	485	10	RECESSED CEILING
U	PRESCOLITE 2L-P-18-S10-08-S0F-C1-2765T-1030-0070-005-10-UNV 2" WIDE PENDANT INDIRECT/DIRECT, CLEAR ACRYLIC LENS	2700K-6500K	300 INDIRECT 700 DIRECT	33	PENDANT
V	ORGE D3-30V-SE-HEA-84-16-10-070-58C 24V BLUE SIDE BENDING STRIP LIGHT	BLUE	84/FT	4/FT	SURFACE
W	TECH LIGHTING 700SMUR GF S LED277 4.5X1.5" SCIENCE, FROST GLASS SHADE, SATIN NICKEL FINISH, 90 CR	3000K	386	9	SCIENCE
Y	LUMENWERX MP4434NRS-22-FMO-HLD-FS-95-CUSTOM-4200-40-UNV-01-1-1-W 2'X2' ARCHITECTURAL TROFFER, CUSTOM LED ENGINE, 95 CR, SLOPED SIDE DIFFUSERS, MATTE WHITE FINISH	4000K	4200	38	RECESSED CEILING
Y,E(L)	LUMENWERX MP4434NRS-22-FMO-HLD-FS-95-CUSTOM-4200-40-UNV-01-1-1-W TYPE Y WITH BATTERY PACK	4000K	4200	38	RECESSED CEILING
Z,E(L)	COLUMBA LXEM-4-40K-ME-DFA-E-U-ELL14 6.78'X4' GASKETED FIXTURE, NEMA 4X FIBERGLASS HOUSING, IP65 AND IP67 RATED, DEEP FROSTED ACRYLIC LENS	4000K	5418	42	PENDANT NOTE 2,3
EX	DUAL-LITE LE-1-V-1-S-1-N-E-1 LED EDGE-LIT EXIT SIGN, GREEN LETTERS, BATTERY BACKUP, SINGLE OR DOUBLE FACE PER DRAWINGS	---	---	3.6	WALL OVER DOOR OR CEILING AS NOTED NOTE 2

FIXTURE SCHEDULE NOTES

- REFER TO SPECIFICATION SECTIONS 26 50 00 FOR ADDITIONAL REQUIREMENTS REGARDING LIGHTING FIXTURES AND LED DRIVERS.
- PROVIDE AN EMERGENCY CIRCUIT CONNECTION (CIRCUIT AS NOTED ON DRAWINGS) TO ALL EXIT SIGNS AND EMERGENCY LIGHTING FIXTURES. WIRING FOR FIXTURES CONNECTED TO EMERGENCY CIRCUITS SHALL BE KEPT ENTIRELY INDEPENDENT OF ALL OTHER WIRING AND EQUIPMENT IN ACCORDANCE WITH NEC ARTICLE 700.
- SURFACE CEILING MOUNT FIXTURES IN ROOMS/AREAS WITH CEILING. IN AREAS WITHOUT CEILING, PENDANT FIXTURES DOWN FROM BOTTOM OF STRUCTURE TO HEIGHT INDICATED. IN AREAS WITH MECHANICAL EQUIPMENT, DUCTWORK AND PIPING, PENDANT FIXTURES DOWN TO BOTTOM OF MECHANICAL DUCTWORK OR PIPING AS APPROPRIATE. FIXTURE PENDANTS SHALL BE RIGID (THREADED HANGAR ROOS) AND SHALL BE SWAY BRACED WHERE PENDANTS EXCEED 24 INCHES IN LENGTH.
- PROVIDE WITH ZONE CONTROLLER OREE CSC-20-10V-0VC AND INVERTER MULE MFS-55-SF AS NEEDED. CONNECT FIXTURES WITH EL DESIGNATION TO INVERTER ACCORDING TO MANUFACTURER INSTRUCTIONS. REFER TO LIGHTING CONTROL SHEETS FOR FURTHER DETAILS. RELOCATED FIXTURES TO REUSE EXISTING ZONE CONTROLLERS AND INVERTERS AS NEEDED. PROVIDE EMERGENCY CIRCUIT CONNECTION TO INVERTER.
- PROVIDE (1) LED LAMP, SORMA CATALOG #SM160A-07-360-930-03.
- CONFIRM LIGHT FIXTURE MODEL WITH ARCHITECTURAL PRIOR TO PURCHASE.
- FINAL APPROVAL OF ALL LIGHT FIXTURE COLOR AND TRIM OPTIONS TO BE CONFIRMED WITH ARCHITECTURAL.



SOUTHCENTRAL FOUNDATION
 SCF FIREWEED BUILDING
 RENOVATION
 4341 TUDOR CENTRE DR

Revisions		
No.	Description	Date

Drawn by ERP/MP/LJ/LZ	Date 07/10/2023
Checked JEH	Job No. 21003.03

Sheet Contents
LIGHTING SCHEDULES

Sheet No.
E002



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21315

SOUTHCENTRAL FOUNDATION
SCF FIREWEED BUILDING
RENOVATION
4341 TUDOR CENTRE DR

Revisions		
No.	Description	Date

Drawn by: ERP/MP/LJ/LZ Date: 07/10/2023
Checked: JEH Job No.: 21003.03

Sheet Contents
PANEL SCHEDULES

Sheet No.
E003

LL1												
EXISTING PANEL		LOCATION: ELEC 154 FED FROM: MSB FROM 225A/3P CIRCUIT BREAKER				VOLTS: 480/277 Wye PHASES: 3 WIRES: 4				A.I.C. RATING: 22,000 MANS TYPE: LUS5 RATING: 400A		
CKT#	CIRCUIT DESCRIPTION	AMP	POLE	VA-PHASE A	VA-PHASE B	VA-PHASE C	POLE	AMP	CIRCUIT DESCRIPTION	CKT#		
1	LIG - MDT PARKING LOT	20	1	2350	3850		1	20	LIG - FIRST FLOOR STAIRWELL	2		
2	---	---	---	2350	2383		1	20	LIG - PRGS,114,10R 8-7,126,122-124	4		
3	LIG - BUILDING MTD EXTERIOR	20	1			1350	3200	1	LIG - 103,107-111,119-124	6		
7	LIG - BUILDING EXTERIOR SIGN	20	1	1200	2716			1	LIG - 088-11,136-141,129,130,133,135,136	8		
9	LIG - BASEMENT	20	1			2600	3580	1	LIG - FIRST FLOOR CORRIDOR STAIRS	10		
11	LIG - BASEMENT	20	1			1200	2838	1	LIG - OR 10, SUITES, 143, 144, 150	12		
13	LIG - BASEMENT	20	1	4000	2346			1	LIG - VEST, LOBBY, LUNNY/RECEPTION OFFICES	14		
15	SPACE							1	LIG - HALLWAYS	16		
17	SPACE						1200	1	LIG - HEAT TRACE	18		
19	SPACE								SPACE	20		
21	SPACE								SPACE	22		
23	SPACE								SPACE	24		
25	SPACE								SPACE	26		
27	SPACE								SPACE	28		
29	SPACE								SPACE	30		
31	SPACE								SPACE	32		
33	SPACE								SPACE	34		
35	SPACE								SPACE	36		
37	SPACE								SPACE	38		
39	SPACE								SPACE	40		
41	SPACE								SPACE	42		
PANEL LOAD AMPS				PHASE A	PHASE B	PHASE C						
				15.9 kVA	12.1 kVA	9.8 kVA						
				57 A	44 A	35 A						
PANEL + SUBPANEL TOTAL LOAD AMPS				PHASE A	PHASE B	PHASE C	SUBPANEL LL2					
				34.0 kVA	28.1 kVA	25.1 kVA						
				123 A	102 A	91 A						
LOAD TYPE	CONNECTED LOAD	DEMAND FACTOR	TOTAL LOAD WITH NEC FACTORS	PANEL TOTALS								
CONTINUOUS	0 VA	125%	0	TOTAL CONNECTED LOAD:	87.3 kVA							
LIGHTING	87322 VA	100%	87322	TOTAL NEC LOAD:	87.3 kVA							
MOTOR	0 VA	0%	0	TOTAL CONNECTED AMPS:	105.0 A							
NON-CONTINUOUS	0 VA	100%	0	TOTAL NEC AMPS:	105.0 A							
RECEPTACLE	0 VA	0%	0									

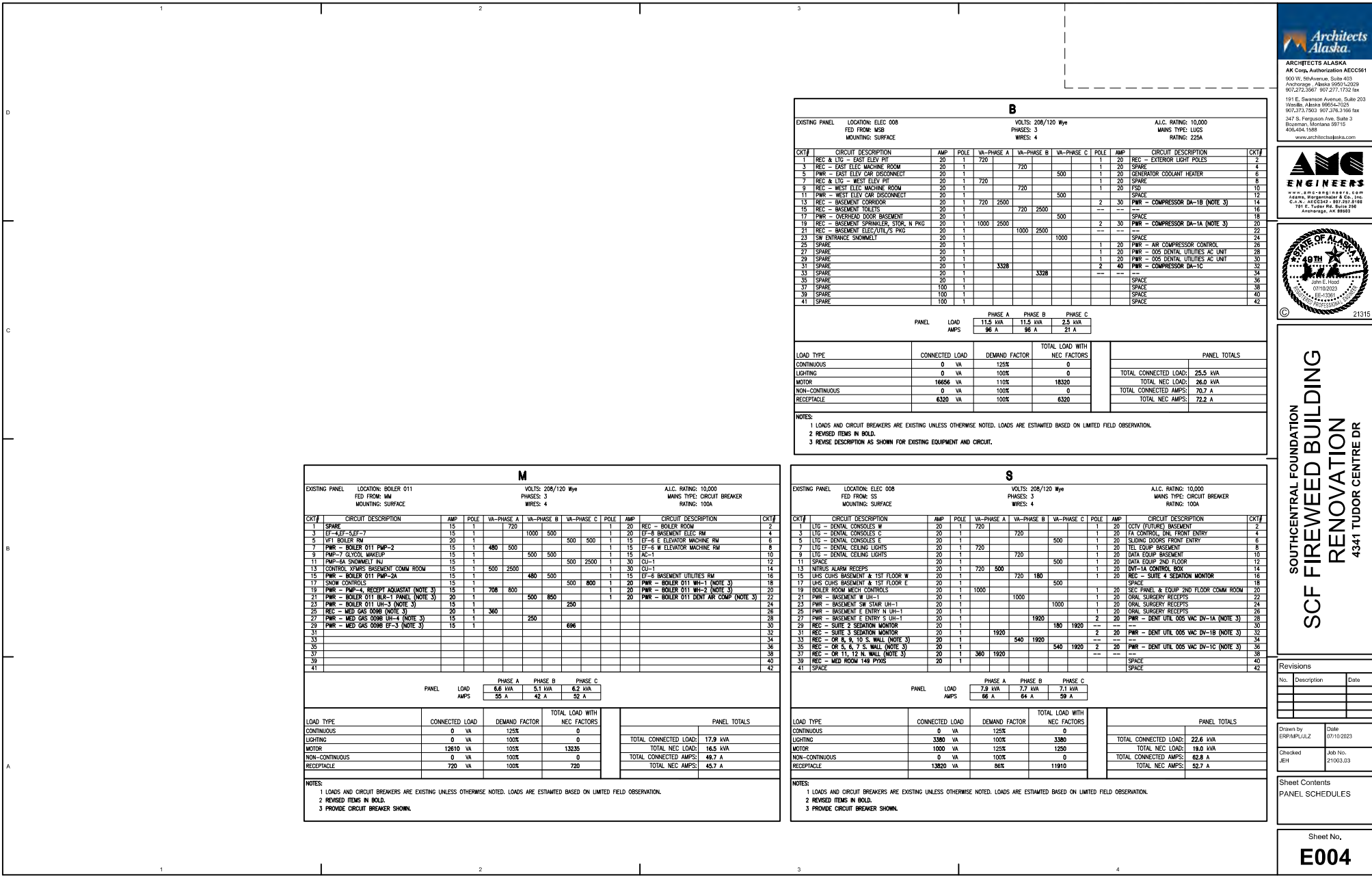
MM												
EXISTING PANEL		LOCATION: BOILER 011 FED FROM: MSB MOUNTING: SURFACE				VOLTS: 480/277 Wye PHASES: 3 WIRES: 4				A.I.C. RATING: 35,000 MANS TYPE: LUS5 RATING: 225A		
CKT#	CIRCUIT DESCRIPTION	AMP	POLE	VA-PHASE A	VA-PHASE B	VA-PHASE C	POLE	AMP	CIRCUIT DESCRIPTION	CKT#		
1	SPACE	15	3	3326			3	15	PWR - BOILER RW PUMP 5	2		
3	---	---	---		3326		---	---	---	4		
5	---	---	---	3326		3326	---	---	---	6		
7	PWR - ROOF EF-3	15	3	3326	3326		3	15	PWR - BOILER RW PUMP 5A	8		
9	---	---	---		3326	3326	---	---	---	10		
11	---	---	---			3326	3326	---	---	12		
13	PWR - SUBSTERILE 133 STERILIZER RIGHT	40	3	9977	4333		3	20	PWR - DECONTAM 136 WASHER/DISINFECT R	14		
15	---	---	---		9977	4333	---	---	---	16		
17	---	---	---			9977	4333	---	---	18		
19	PWR - SUBSTERILE 133 STERILIZER LEFT	40	3	9977			3	20	PWR - DECONTAM 136 WASHER/DISINFECT L	20		
21	---	---	---		9977		---	---	---	22		
23	---	---	---				---	---	---	24		
25	PWR - ROOF EF-2	20	3	3048			---	---	---	26		
27	---	---	---		3048		---	---	---	28		
29	---	---	---			3048	---	---	---	30		
31	SPACE								SPACE	32		
33	SPACE								SPACE	34		
35	SPACE								SPACE	36		
37	PANEL M VIA XNMR TM	90	3	6568			---	---	---	38		
39	---	---	---				---	---	---	40		
41	---	---	---			6248	---	---	---	42		
PANEL LOAD AMPS				PHASE A	PHASE B	PHASE C						
				43.9 kVA	42.4 kVA	43.6 kVA						
				158 A	153 A	157 A						
LOAD TYPE	CONNECTED LOAD	DEMAND FACTOR	TOTAL LOAD WITH NEC FACTORS	PANEL TOTALS								
CONTINUOUS	0 VA	125%	0	TOTAL CONNECTED LOAD:	129.8 kVA							
LIGHTING	0 VA	100%	0	TOTAL NEC LOAD:	130.3 kVA							
MOTOR	51685 VA	100%	51685	TOTAL CONNECTED AMPS:	168.2 A							
NON-CONTINUOUS	7880 VA	100%	7880	TOTAL NEC AMPS:	156.7 A							
RECEPTACLE	720 VA	100%	720									

LL2												
EXISTING PANEL		LOCATION: ELEC 340 FED FROM: LL1 MOUNTING: SURFACE				VOLTS: 480/277 Wye PHASES: 3 WIRES: 4				A.I.C. RATING: 22,000 MANS TYPE: LUS5 RATING: 225A		
CKT#	CIRCUIT DESCRIPTION	AMP	POLE	VA-PHASE A	VA-PHASE B	VA-PHASE C	POLE	AMP	CIRCUIT DESCRIPTION	CKT#		
1	LIG - STAIRS, CORR, ELEC RM	20	1	3820	3190		1	20	LIG - 3RD FLOOR STAIR, CORR, ELEC RM	2		
3	LIG - 201,206,207	20	1			2297	3110	1	LIG - 345,347,348,351-358	4		
5	LIG - 225-251	20	1				3120	2500	1	LIG - 364-368,339	6	
7	LIG - 236-239,241-244,253	20	1	2910	2640			1	LIG - 316-323	8		
9	LIG - 223, 246-248,250,251	20	1			2440	3180	1	LIG - 308-313	10		
11	LIG - 208-213,216,208	20	1				2960	2640	1	LIG - 302,330-332,360,361	12	
13	LIG - 220, 254-257, 258-262, 264-265 - OPTOMETRY	20	1	2503	3100			1	LIG - 306,307,342,343,349-352,359	14		
15	LIG - 214,215,217,218,221	20	1			1800	3230	1	LIG - 305,331-338	16		
17	LIG - 202-205 - WEST OFFICE AREA	20	1				1143	2997	1	LIG - 301,303,304,314,315	18	
19	SPACE								SPACE	20		
21	SPACE								SPACE	22		
23	SPACE								SPACE	24		
25	SPACE								SPACE	26		
27	SPACE								SPACE	28		
29	SPACE								SPACE	30		
31	SPACE								SPACE	32		
33	SPACE								SPACE	34		
35	SPACE								SPACE	36		
37	SPACE								SPACE	38		
39	SPACE								SPACE	40		
41	SPACE								SPACE	42		
PANEL LOAD AMPS				PHASE A	PHASE B	PHASE C						
				18.2 kVA	16.1 kVA	15.4 kVA						
				66 A	58 A	55 A						
LOAD TYPE	CONNECTED LOAD	DEMAND FACTOR	TOTAL LOAD WITH NEC FACTORS	PANEL TOTALS								
CONTINUOUS	0 VA	125%	0	TOTAL CONNECTED LOAD:	49.8 kVA							
LIGHTING	49880 VA	100%	49880	TOTAL NEC LOAD:	49.8 kVA							
MOTOR	0 VA	0%	0	TOTAL CONNECTED AMPS:	59.6 A							
NON-CONTINUOUS	0 VA	100%	0	TOTAL NEC AMPS:	59.6 A							
RECEPTACLE	0 VA	0%	0									

88												
EXISTING PANEL		LOCATION: ELEC 008 FED FROM: MSB MOUNTING: SURFACE				VOLTS: 480/277 Wye PHASES: 3 WIRES: 4				A.I.C. RATING: 35,000 MANS TYPE: LUS5 RATING: 225A		
CKT#	CIRCUIT DESCRIPTION	AMP	POLE	VA-PHASE A	VA-PHASE B	VA-PHASE C	POLE	AMP	CIRCUIT DESCRIPTION	CKT#		
1	PWR - BOILER 011 PMP-1 (NOTE 3)	25	3	3680	775		15	2	PWR - BOILER 011 PMP-3 (NOTE 3)	2		
3	---	---	---		3680	775	---	---	---	4		
5	---	---	---			3680	---	---	---	6		
7	PWR - BOILER 011 PMP-1A (NOTE 3)	25	3	3680	775		15	2	PWR - BOILER 011 PMP-3A (NOTE 3)	8		
9	---	---	---			3680	775	---	---	10		
11	---	---	---				3680	---	---	12		
13	SPACE	15	3	1386			15	3	PWR - BOILER 011 BUR-1	14		
15	---	---	---		1386		---	---	---	16		
17	---	---	---			1386	---	---	---	18		
19	PWR - BASEMENT 002 SEWAGE PUMP 1	15	3	1386			15	3	PWR - BOILER 011 BUR-1	20		
21	---	---	---			1386	---	---	---	22		
23	---	---	---				1386	---	---	24		
25	PWR - BASEMENT 002 SEWAGE PUMP 2	15	3				15	3	SPACE	26		
27	---	---	---						SPACE	28		
29	---	---	---						SPACE	30		
31	SPACE								SPACE	32		
33	SPACE								SPACE	34		
35	SPACE								SPACE	36		
37	PANEL S VIA XNMR TS	90	3	7660			---	---	---	38		
39	---	---	---				7720	---	---	40		
41	---	---	---						SPACE	42		
PANEL LOAD AMPS				PHASE A	PHASE B	PHASE C						
				18.9 kVA	19.8 kVA	17.6 kVA						
				72 A	71 A	64 A						
LOAD TYPE	CONNECTED LOAD	DEMAND FACTOR	TOTAL LOAD WITH NEC FACTORS	PANEL TOTALS								
CONTINUOUS	0 VA	125%	0	TOTAL CONNECTED LOAD:	57.3 kVA							
LIGHTING	0 VA	100%	0	TOTAL NEC LOAD:	41.9 kVA							
MOTOR	11414 VA	146%	16810	TOTAL CONNECTED AMPS:	69.0 A							
NON-CONTINUOUS	0 VA	100%	0	TOTAL NEC AMPS:	50.4 A							
RECEPTACLE	0 VA	0%	0									

NOTES:
1 LOADS AND CIRCUIT BREAKERS ARE EXISTING UNLESS OTHERWISE NOTED. LOADS ARE ESTIMATED BASED ON LIMITED FIELD OBSERVATION.
2 REVISED ITEMS IN BOLD.
3 REMOVE EXISTING 15 AMP 3 POLE CIRCUIT BREAKER AND TURN OVER TO OWNER. REPLACE WITH CIRCUIT BREAKER SHOWN.

FILE NAME: x:\21315\Fireweed\Drawings\Panel\Panel21315-E004.dwg
 PLOTTED: Engplanner 7/10/2023 11:41 AM



M

EXISTING PANEL LOCATION: BOILER 011
 FED FROM: MM
 MOUNTING: SURFACE

VOLTS: 208/120 Wye
 PHASES: 3
 WIRES: 4

A.I.C. RATING: 10,000
 MAINS TYPE: CIRCUIT BREAKER
 RATING: 100A

CKT	CIRCUIT DESCRIPTION	AMP	POLE	VA-PHASE A	VA-PHASE B	VA-PHASE C	POLE	AMP	CIRCUIT DESCRIPTION	CKT
1	SPARE	15	1	720			1	20	REC - BOILER ROOM	2
3	EF-4, EF-5, EF-7	15	1		1000	500	1	20	EF-8 BASEMENT ELEC RM	4
5	WFI BOILER RM	20	1		500	500	1	15	EF-6 E ELEVATOR MACHINE RM	6
7	PWR - BOILER 011 PMP-2	15	1	480	500		1	15	EF-6 W ELEVATOR MACHINE RM	8
9	PMP-7 GLYCOL MAKEUP	15	1		500	500	1	15	AL-1	10
11	PMP-6A SNOWMELT INJ	15	1		500	2500	1	30	OU-1	12
13	CONTROL TOURS' BASEMENT COMAI ROOM	15	1	500	2500		1	30	OU-1	14
15	PWR - BOILER 011 PMP-2A	15	1	480	500		1	15	EF-6 BASEMENT UTILITIES RM	16
17	SNOW CONTROLS	15	1		500	800	1	20	PWR - BOILER 011 WH-1 (NOTE 3)	18
19	PWR - PMP-4, RECEPY ADJUSTAT (NOTE 3)	15	1	708	800		1	20	PWR - BOILER 011 WH-2 (NOTE 3)	20
21	PWR - BOILER 011 BLR-1 PANEL (NOTE 3)	20	1	500	850		1	20	PWR - BOILER 011 DENT AIR COMP (NOTE 3)	22
23	PWR - BOILER 011 WH-3 (NOTE 3)	15	1		250					24
25	REC - MED GAS 0098 (NOTE 3)	20	1	360						26
27	PWR - MED GAS 0098 UH-4 (NOTE 3)	15	1	250						28
29	PWR - MED GAS 0098 EF-3 (NOTE 3)	15	1		696					30
31										32
33										34
35										36
37										38
39										40
41										42

PANEL	LOAD AMPS	PHASE A	PHASE B	PHASE C
		8.6 kVA	5.1 kVA	6.2 kVA
		55 A	42 A	52 A

LOAD TYPE	CONNECTED LOAD	DEMAND FACTOR	TOTAL LOAD WITH NEC FACTORS
CONTINUOUS	0 VA	125%	0
LIGHTING	0 VA	100%	0
MOTOR	12610 VA	105%	13235
NON-CONTINUOUS	0 VA	100%	0
RECEPTACLE	720 VA	100%	720

PANEL TOTALS

TOTAL CONNECTED LOAD:	17.9 kVA
TOTAL NEC LOAD:	16.5 kVA
TOTAL CONNECTED AMPS:	49.7 A
TOTAL NEC AMPS:	45.7 A

NOTES:
 1 LOADS AND CIRCUIT BREAKERS ARE EXISTING UNLESS OTHERWISE NOTED. LOADS ARE ESTIMATED BASED ON LIMITED FIELD OBSERVATION.
 2 REVISED ITEMS IN BOLD.
 3 PROVIDE CIRCUIT BREAKER SHOWN.

B

EXISTING PANEL LOCATION: ELEC 008
 FED FROM: MSB
 MOUNTING: SURFACE

VOLTS: 208/120 Wye
 PHASES: 3
 WIRES: 4

A.I.C. RATING: 10,000
 MAINS TYPE: LUSS
 RATING: 225A

CKT	CIRCUIT DESCRIPTION	AMP	POLE	VA-PHASE A	VA-PHASE B	VA-PHASE C	POLE	AMP	CIRCUIT DESCRIPTION	CKT	
1	REC & LIG - EAST ELEV PIT	20	1	720			1	20	REC - EXTERIOR LIGHT POLES	2	
3	REC - EAST ELEC MACHINE ROOM	20	1		720		1	20	SPARE	4	
5	PWR - EAST ELEV CAB DISCONNECT	20	1			500	1	20	GENERATOR COOLANT HEATER	6	
7	REC & LIG - WEST ELEV PIT	20	1	720			1	20	SPARE	8	
9	REC - WEST ELEC MACHINE ROOM	20	1		720		1	20	FSD	10	
11	PWR - WEST ELEV CAB DISCONNECT	20	1			500	1	20	SPACE	12	
13	REC - BASEMENT CORRIDOR	20	1	720	2500		2	30	PWR - COMPRESSOR DA-1B (NOTE 3)	14	
15	REC - BASEMENT RECEIPTS	20	1		720	2500		2	30	SPACE	16
17	PWR - OVERHEAD DOOR BASEMENT	20	1		720	2500	500			18	
19	REC - BASEMENT SPRINKLER, STOR, N PKG	20	1	1000	2500		2	30	PWR - COMPRESSOR DA-1A (NOTE 3)	20	
21	REC - BASEMENT ELEC UTILITIES RM	20	1		1000	2500				22	
23	SW ENTRANCE SNOWMELT	20	1			1000				24	
25	SPARE	20	1				1	20	PWR - AIR COMPRESSOR CONTROL	26	
27	SPARE	20	1				1	20	PWR - 005 DENTAL UTILITIES AC UNIT	28	
29	SPARE	20	1				1	20	PWR - 005 DENTAL UTILITIES AC UNIT	30	
31	SPARE	20	1	3328			2	40	PWR - COMPRESSOR DA-1C	32	
33	SPARE	20	1		3328					34	
35	SPARE	20	1							36	
37	SPARE	100	1							38	
39	SPARE	100	1							40	
41	SPARE	100	1							42	

PANEL	LOAD AMPS	PHASE A	PHASE B	PHASE C
		11.5 kVA	11.5 kVA	2.5 kVA
		96 A	96 A	21 A

LOAD TYPE	CONNECTED LOAD	DEMAND FACTOR	TOTAL LOAD WITH NEC FACTORS
CONTINUOUS	0 VA	125%	0
LIGHTING	0 VA	100%	0
MOTOR	16656 VA	110%	18320
NON-CONTINUOUS	0 VA	100%	0
RECEPTACLE	6320 VA	100%	6320

PANEL TOTALS

TOTAL CONNECTED LOAD:	25.5 kVA
TOTAL NEC LOAD:	26.0 kVA
TOTAL CONNECTED AMPS:	70.7 A
TOTAL NEC AMPS:	72.2 A

NOTES:
 1 LOADS AND CIRCUIT BREAKERS ARE EXISTING UNLESS OTHERWISE NOTED. LOADS ARE ESTIMATED BASED ON LIMITED FIELD OBSERVATION.
 2 REVISED ITEMS IN BOLD.
 3 REVISE DESCRIPTION AS SHOWN FOR EXISTING EQUIPMENT AND CIRCUIT.

S

EXISTING PANEL LOCATION: ELEC 008
 FED FROM: SS
 MOUNTING: SURFACE

VOLTS: 208/120 Wye
 PHASES: 3
 WIRES: 4

A.I.C. RATING: 10,000
 MAINS TYPE: CIRCUIT BREAKER
 RATING: 100A

CKT	CIRCUIT DESCRIPTION	AMP	POLE	VA-PHASE A	VA-PHASE B	VA-PHASE C	POLE	AMP	CIRCUIT DESCRIPTION	CKT	
3	LIG - DENTAL CONSOLES W	20	1	720			1	20	CCV (UTILITY) BASEMENT	2	
5	LIG - DENTAL CONSOLES C	20	1		720		1	20	FA CONTROL, UNL, FRONT ENTRY	4	
7	LIG - DENTAL CONSOLES E	20	1			500	1	20	SLIDING DOORS FRONT ENTRY	6	
9	LIG - DENTAL CEILING LIGHTS	20	1	720			1	20	TEL EQUIP BASEMENT	8	
11	LIG - DENTAL CEILING LIGHTS	20	1		720		1	20	DATA EQUIP BASEMENT	10	
13	RECEIPTS ALARM RECEIPTS	20	1	720	500		1	20	DATA EQUIP 2ND FLOOR	12	
15	LHS CURBS BASEMENT & 1ST FLOOR W	20	1	720	180		1	20	DW-1A CONTROL BOB	14	
17	LHS CURBS BASEMENT & 1ST FLOOR E	20	1			500	1	20	SPACE	16	
19	BOILER ROOM WEIR CONTROLS	20	1	1000			1	20	SEC-PANEL & EQUIP 2ND FLOOR COMAI ROOM	18	
21	PWR - BASEMENT W UH-1	20	1		1000		1	20	ORAL SURGERY RECEIPTS	22	
23	PWR - BASEMENT SW STAR UH-1	20	1			1000	1	20	ORAL SURGERY RECEIPTS	24	
25	PWR - BASEMENT E ENTRY W UH-1	20	1				1	20	ORAL SURGERY RECEIPTS	26	
27	PWR - BASEMENT E ENTRY S UH-1	20	1			1920	2	20	PWR - DENT UTL 005 VAC DW-1A (NOTE 3)	28	
29	REC - SUITE 2 SEDATION MONITOR	20	1			180	1920			30	
31	REC - SUITE 3 SEDATION MONITOR	20	1		1920					32	
33	REC - OR 8, 9, 10 S. WALL (NOTE 3)	20	1		540	1920				34	
35	REC - OR 8, 9, 10 S. WALL (NOTE 3)	20	1			540	1920	2	20	PWR - DENT UTL 005 VAC DW-1B (NOTE 3)	36
37	REC - OR 11, 12 N. WALL (NOTE 3)	20	1	360	1920					38	
39	REC - MED ROOM 149 PHOS	20	1							40	
41	SPARE									42	

PANEL	LOAD AMPS	PHASE A	PHASE B	PHASE C
		7.9 kVA	7.7 kVA	7.1 kVA
		66 A	64 A	59 A

LOAD TYPE	CONNECTED LOAD	DEMAND FACTOR	TOTAL LOAD WITH NEC FACTORS
CONTINUOUS	0 VA	125%	0
LIGHTING	3360 VA	100%	3360
MOTOR	1000 VA	125%	1250
NON-CONTINUOUS	0 VA	100%	0
RECEPTACLE	13820 VA	85%	11910

PANEL TOTALS

TOTAL CONNECTED LOAD:	22.6 kVA
TOTAL NEC LOAD:	19.0 kVA
TOTAL CONNECTED AMPS:	62.8 A
TOTAL NEC AMPS:	52.7 A

NOTES:
 1 LOADS AND CIRCUIT BREAKERS ARE EXISTING UNLESS OTHERWISE NOTED. LOADS ARE ESTIMATED BASED ON LIMITED FIELD OBSERVATION.
 2 REVISED ITEMS IN BOLD.
 3 PROVIDE CIRCUIT BREAKER SHOWN.

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SOUTH CENTRAL FOUNDATION
 SCF FIREWEED BUILDING
 RENOVATION
 4341 TUDOR CENTRE DR

Revisions

No.	Description	Date

Drawn by: ER/MP/LJ/LZ Date: 07/10/2023
 Checked: JEH Job No.: 21003.03

Sheet Contents
 PANEL SCHEDULES

Sheet No.
E004

FILE NAME: K:\21315\Fireweed\Design\sheet\Tab2\21315-E006.dwg
 PLOTTED: Engin@pym 7/10/2023 11:41 AM

PB1											
EXISTING PANEL						LOCATION: ELEC 340			VOLTS: 208/120 Wye		
FED FROM: MIB						PHASES: 3			A.I.C. RATINGS: 10,000		
MOUNTING: SURFACE						WIRES: 4			MANS TYPE: CIRCUIT BREAKER		
						RATINGS: 225A					
CKT#	CIRCUIT DESCRIPTION	AMP	POLE	VA-PHASE A	VA-PHASE B	VA-PHASE C	POLE	AMP	CIRCUIT DESCRIPTION	CKT#	
1	REC - LOUNGE 243 REF	20	1	725	1060		1	20	REC - LOUNGE 243 S. WALL EAST SEATING	2	
3	REC - LOUNGE 243 N. COUNTER	20	1		360	720	1	20	REC - HALL 232	4	
5	REC - LOUNGE 243 N. COUNTER	20	1			180	1060	1	20	REC - HALL 253, 258, LOUNGE 243	6
7	REC - INSTAHOY, DASHWASHER (UNDER SINK)	20	1	1710	720		1	20	REC - 233, 234, 235	8	
9	FIRE ALARM BPS 3RD FLOOR	20	1		500	1080	1	20	REC - TEST 241, 242	10	
11	REC - EXAM 238	20	1				1	20	REC - CONTACT LENS 242	12	
13	REC - CONF 232	20	1	720	720		1	20	REC - CONTACT LENS LAB 261 EAST, S. WALL	14	
15	REC - OFFICE 239, N. & S.	20	1				1	20	REC - STORAGE 251 LIFTOFF 256	16	
17	REC - OFFICE 239 N. & EAST	20	1		720	720	1	20	REC - CONTACT LENS LAB 261 WEST WALL	18	
19	REC - EXAM 229	20	1	720	720		1	20	REC - CONFERENCE 254 N. W. WALL, FLOOR	20	
21	REC - EQUIP EXAM 231 PERC CONTROL	20	1		720	720	1	20	REC - CONFERENCE 254 N. W. WALL, S. WALL	22	
23	REC - EXAM 230	20	1				1	20	REC - SFP 2 260	24	
25	REC - EXAM 229 PERC CONTROL	20	1	720	1060		1	20	REC - SFP 3 269	26	
27	REC - EXAM 231	20	1		720	900	1	20	REC - SFP 4 265	28	
29	REC - EQUIP EXAM 230 PERC CONTROL	20	1				1	20	REC - EQUIP EXAM 228 PERC CONTROL	30	
31	REC - EXAM 250	20	1	720	750		1	20	REC - LOUNGE 243 INSTANT WEST	32	
33	CONTROL YARDS 2ND FLOOR HALL CEIL 235	20	1		720	1320	1	20	REC - LOUNGE 243 ICE MACHINE	34	
35	REC - EXAM 251	20	1				1	20	REC - LOUNGE 243 COFFEE WEST	36	
37	REC - EQUIP EXAM 250 PERC CONTROL	20	1	720	1688		1	20	REC - LOUNGE 243 MICROWAVE	38	
39	REC - OFFICE 239 EAST	20	1		720	1500	1	20	PERC DOW CONTROL 264 CONTIGUOUS, RECFP	40	
41	REC - OFFICE 239 SOUTH	20	1				1	20	REC - EQUIP EXAM 251 PERC CONTROL	42	

PANEL	LOAD	AMPS	PHASE A	PHASE B	PHASE C
			12.8 kVA	11.4 kVA	11.3 kVA
			106 A	95 A	94 A

PANEL + SUBPANEL	TOTAL LOAD	TOTAL AMPS	PHASE A	PHASE B	PHASE C	SUBPANEL PB2
			23.3 kVA	23.0 kVA	21.4 kVA	
			210 A	192 A	178 A	

LOAD TYPE	CONNECTED LOAD	DEMAND FACTOR	TOTAL LOAD WITH NEC FACTORS	PANEL TOTALS	
				TOTAL CONNECTED LOAD:	TOTAL NEC LOAD:
CONTINUOUS	0 VA	125%	0	69.7 kVA	41.8 kVA
LIGHTING	3600 VA	100%	3600	183.3 A	115.9 A
MOTOR	0 VA	0%	0		
NON-CONTINUOUS	0 VA	100%	0		
RECEPTACLE	63333 VA	56%	36667		

NOTES:
 1 LOADS AND CIRCUIT BREAKERS ARE EXISTING UNLESS OTHERWISE NOTED. LOADS ARE ESTIMATED BASED ON LIMITED FIELD OBSERVATION.
 2 REVISED ITEMS IN BOLD.

PB2											
EXISTING PANEL						LOCATION: HALLWAY 219			VOLTS: 208/120 Wye		
FED FROM: PB1						PHASES: 3			A.I.C. RATINGS: 10,000		
MOUNTING: FLUSH						WIRES: 4			MANS TYPE: LUGS		
						RATINGS: 225A					
CKT#	CIRCUIT DESCRIPTION	AMP	POLE	VA-PHASE A	VA-PHASE B	VA-PHASE C	POLE	AMP	CIRCUIT DESCRIPTION	CKT#	
1	REC - CONF 206,207, LOBBY 201, WATER STATION	20	1	1060	1060		1	20	REC - CONFERENCE 203, NEW WALLS, FLR	2	
3	REC - RECEPTION 216	20	1		720	1440	1	20	REC - OFFICE 204 CENTRAL WORKSTATIONS	4	
5	REC - RECEPTION 216	20	1				1	20	REC - OFFICE 204 WALL WORKSTATIONS	6	
7	REC - TRSF 209, 210, 211, 212	20	1	720	1060		1	20	REC - OFFICE 204 SE WORKSTATIONS	8	
9	REC - EQUIP EXAM 224 PERC MODULE	20	1		720	720	1	20	REC - EXAM 224, 226	10	
11	REC - BAR LOUNGE 208	20	1		720	720	1	20	REC - EQUIP EXAM 225 PERC MODULE	12	
13	REC - WORKSTATION 220	20	1	720	720		1	20	REC - PRETEST 223, 245	14	
15	REC - HALL 213, 219	20	1		720	720	1	20	REC - PRETEST 245	16	
17	REC - COOPER 217	20	1				1	20	REC - EXAM 225	18	
19	REC - COOPER 217	20	1	900	720		1	20	REC - EQUIP EXAM 227 PERC MODULE	20	
21	REC - OFFICE 217, 216	20	1		720	720	1	20	REC - EXAM 226	22	
23	REC - PRETEST 214	20	1				1	20	REC - ROOM 217 PORTABLE SCALE	24	
25	REC - CONTACT LENS 215	20	1	720	720		1	20	REC - EXAM 227	26	
27	REC - LAB 221	20	1		720	720	1	20	REC - EQUIP EXAM 227 PERC MODULE	28	
29	REC - LAB 221	20	1				1	20	REC - EXAM 228	30	
31	LIT - RECES LIT 214,223,241, 242, 245	20	1	1200	720		1	20	REC - ROOM 243	32	
33	REC - STOR 202, 206 COFFEE, INSTAHOY	20	1		1260	720	1	20	REC - ROOM 247	34	
35	REC - RW 243 PRINTER	20	1			900	720	1	20	REC - EQUIP EXAM 246 PERC MODULE	36
37	REC - CONTACT LENS 215A COUNTER	20	1	720	1200		1	20	LIT - FUTURE TRACK	38	
39	REC - OFFICE 204 PRINTER	20	1		500	1200	1	20	LIT - FUTURE TRACK	40	
41	REC - INSTAHOY 205 ICE MACHINE	15	1			950	1	20	REC - ROOM 238 FLUORESCEN	42	

PANEL	LOAD	AMPS	PHASE A	PHASE B	PHASE C
			12.5 kVA	11.6 kVA	10.1 kVA
			104 A	97 A	84 A

LOAD TYPE	CONNECTED LOAD	DEMAND FACTOR	TOTAL LOAD WITH NEC FACTORS	PANEL TOTALS	
				TOTAL CONNECTED LOAD:	TOTAL NEC LOAD:
CONTINUOUS	0 VA	125%	0	34.2 kVA	23.9 kVA
LIGHTING	3600 VA	100%	3600	85.0 A	66.4 A
MOTOR	0 VA	0%	0		
NON-CONTINUOUS	0 VA	100%	0		
RECEPTACLE	30610 VA	66%	20305		

NOTES:
 1 LOADS AND CIRCUIT BREAKERS ARE EXISTING UNLESS OTHERWISE NOTED. LOADS ARE ESTIMATED BASED ON LIMITED FIELD OBSERVATION.
 2 REVISED ITEMS IN BOLD.



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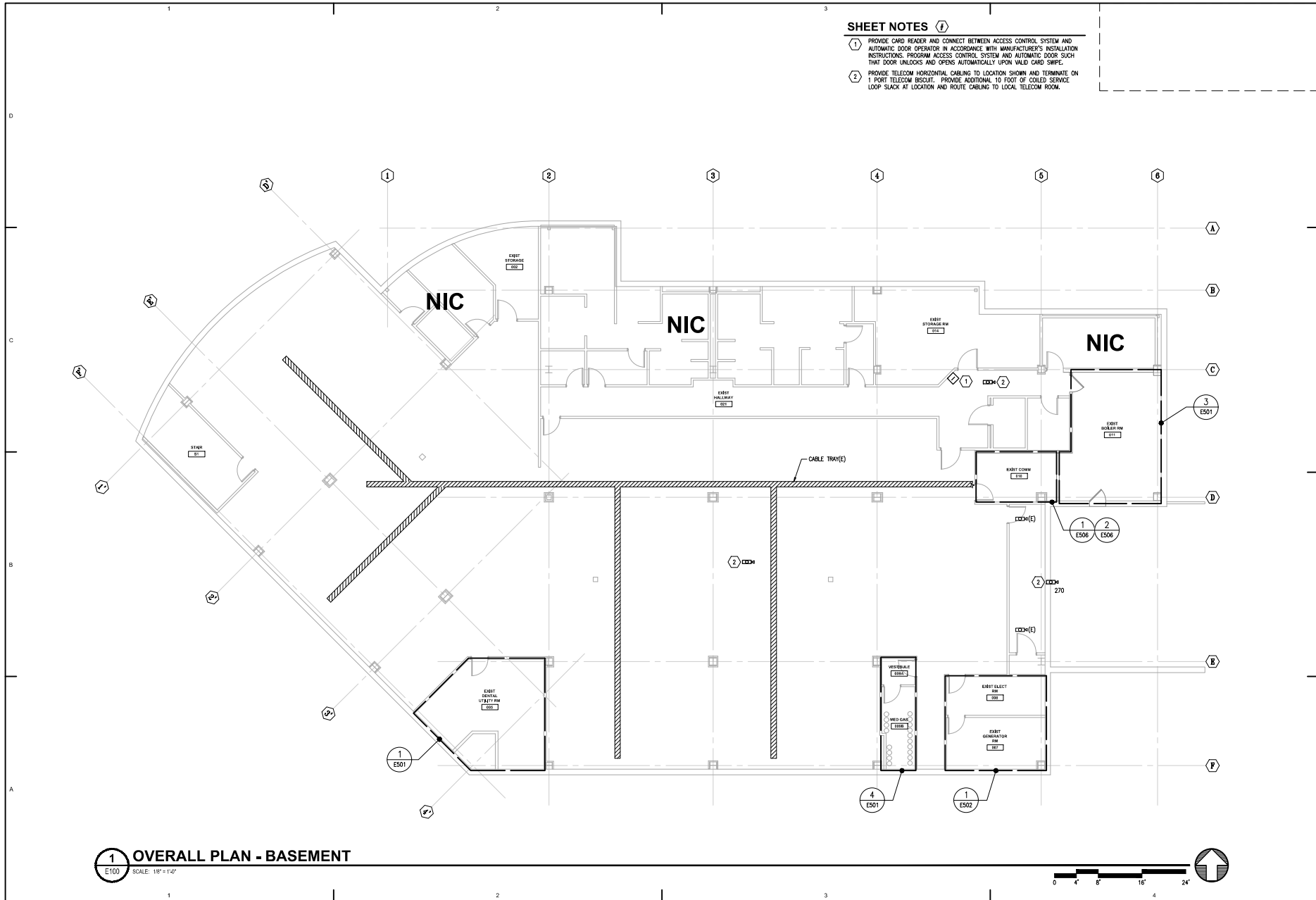
Revisions		
No.	Description	Date

Drawn by: ERMP/MLJ/LZ
 Date: 07/10/2023
 Checked by: JEH
 Job No.: 21003.03

Sheet Contents
 PANEL SCHEDULES

Sheet No.
E006

FILE NAME: K:\21315\Revit\DWG\Eng\sheet1.dwg
 PLOTTED: Eng\Bryan 7/10/2023 11:41 AM



SHEET NOTES ①

- ① PROVIDE CARD READER AND CONNECT BETWEEN ACCESS CONTROL SYSTEM AND AUTOMATIC DOOR OPERATOR IN ACCORDANCE WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS. PROGRAM ACCESS CONTROL SYSTEM AND AUTOMATIC DOOR SUCH THAT DOOR UNLOCKS AND OPENS AUTOMATICALLY UPON VALID CARD SWIPE.
- ② PROVIDE TELECOM HORIZONTAL CABLING TO LOCATION SHOWN AND TERMINATE ON 1 POINT TELECOM BISCUIT. PROVIDE ADDITIONAL 10 FOOT OF COILED SERVICE LOOP SLACK AT LOCATION AND ROUTE CABLING TO LOCAL TELECOM ROOM.

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**SOUTHCENTRAL FOUNDATION
 SCF FIREWEED BUILDING
 RENOVATION
 4341 TUDOR CENTRE DR**

Revisions

No.	Description	Date

Drawn by ERP/MP/LJLZ	Date 07/10/2023
Checked by JEH	Job No. 21003.03

Sheet Contents
 OVERALL PLAN -
 BASEMENT

Sheet No.
E100

1 OVERALL PLAN - BASEMENT
 E100 SCALE: 1/8" = 1'-0"

DEMOLITION NOTES

- ◇ DEMOLISH EXISTING LIGHT FIXTURE AND ASSOCIATED CONDUIT AND CONDUCTORS BACK TO NEXT EXISTING TO REMAIN DEVICE AND MAKE SAFE.
- ◇ DEMOLISH EXISTING LIGHTING CONTROL DEVICE AND ASSOCIATED CONDUIT AND CONDUCTORS BACK TO NEXT EXISTING TO REMAIN DEVICE AND MAKE SAFE.
- ◇ DISCONNECT AND REMOVE LIGHTING FIXTURE AND RESERVE FOR RELOCATION.
- ◇ DISCONNECT AND REMOVE LIGHTING FIXTURE AND TURN OVER TO OWNER.
- ◇ LIGHT FIXTURE EXISTING TO REMAIN.

GENERAL NOTES

1. FOR SURFACES NOT BEING REFRESHED OR DEMOLISHED, REFER TO ARCHITECTURAL FOR ADDITIONAL INFORMATION. PATCH AND REPAIR AREA AROUND DEVICES REMOVED OR DEMOLISHED TO MATCH SURROUNDING.



1 DEMOLITION FIRST FLOOR PLAN - LIGHTING
ED102 SCALE: 1/8" = 1'-0"



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No.	Description	Date

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Checked by JEH	Job No. 21003.03

Sheet Contents
DEMOLITION FIRST
FLOOR PLAN - LIGHTING

Sheet No.
ED102

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2 THIRD FLOOR MAIN STAIRWELL - LIGHTING - DEMO

ED103 SCALE: 1/8" = 1'-0"



DEMOLITION NOTES

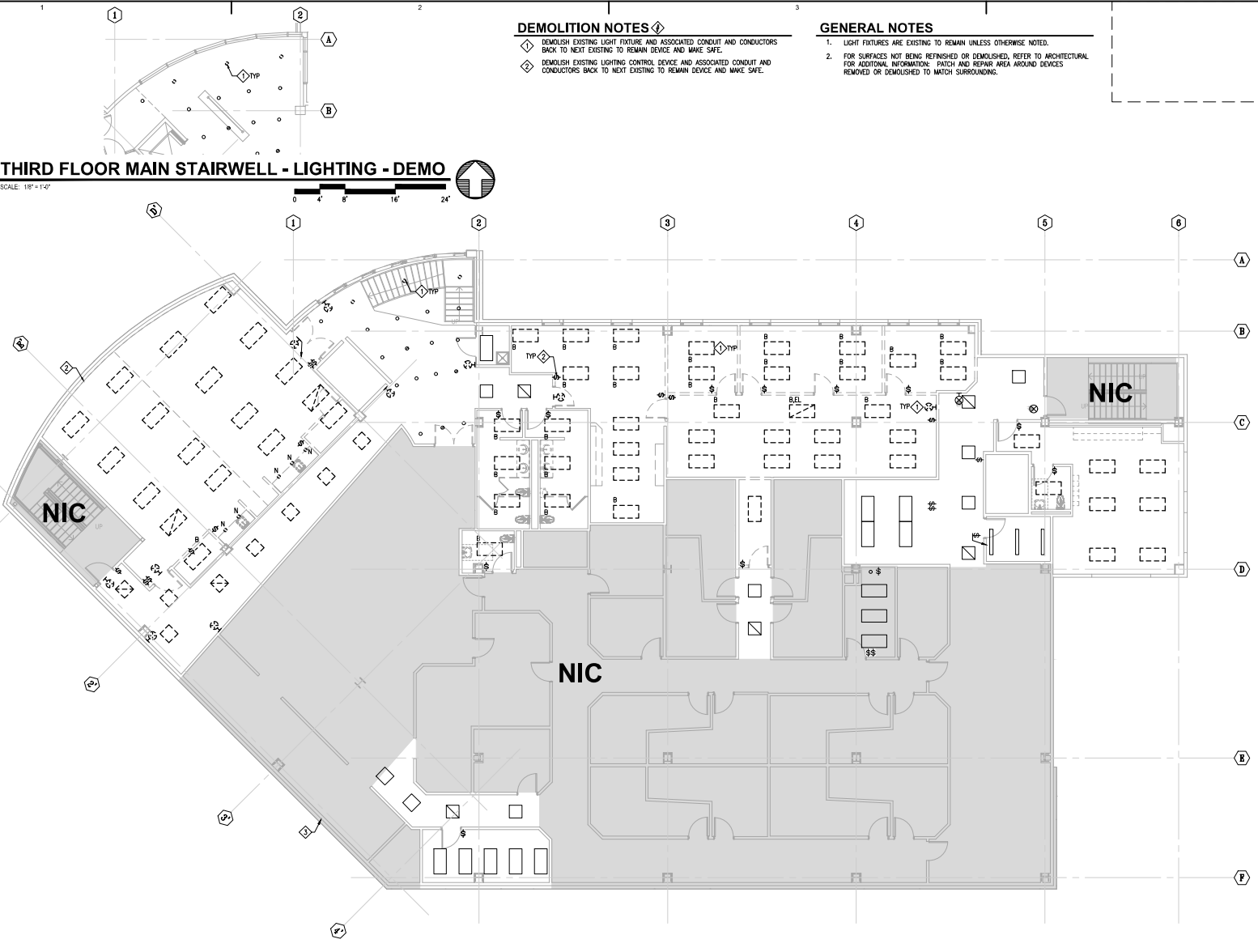
- ◇ DEMOLISH EXISTING LIGHT FIXTURE AND ASSOCIATED CONDUIT AND CONDUCTORS BACK TO NEXT EXISTING TO REMAIN DEVICE AND MAKE SAFE.
- ◇ DEMOLISH EXISTING LIGHTING CONTROL DEVICE AND ASSOCIATED CONDUIT AND CONDUCTORS BACK TO NEXT EXISTING TO REMAIN DEVICE AND MAKE SAFE.

GENERAL NOTES

1. LIGHT FIXTURES ARE EXISTING TO REMAIN UNLESS OTHERWISE NOTED.
2. FOR SURFACES NOT BEING REFINISHED OR DEMOLISHED, REFER TO ARCHITECTURAL FOR ADDITIONAL INFORMATION: PATCH AND REPAIR AREA AROUND DEVICES REMOVED OR DEMOLISHED TO MATCH SURROUNDINGS.

1 DEMOLITION SECOND FLOOR PLAN - LIGHTING

ED103 SCALE: 1/8" = 1'-0"



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Revisions

No.	Description	Date

Drawn by ERP/MP/LJ/LZ	Date 07/10/2023
Checked by JEB	Job No. 21003.03

Sheet Contents
 DEMOLITION SECOND
 FLOOR PLAN - LIGHTING

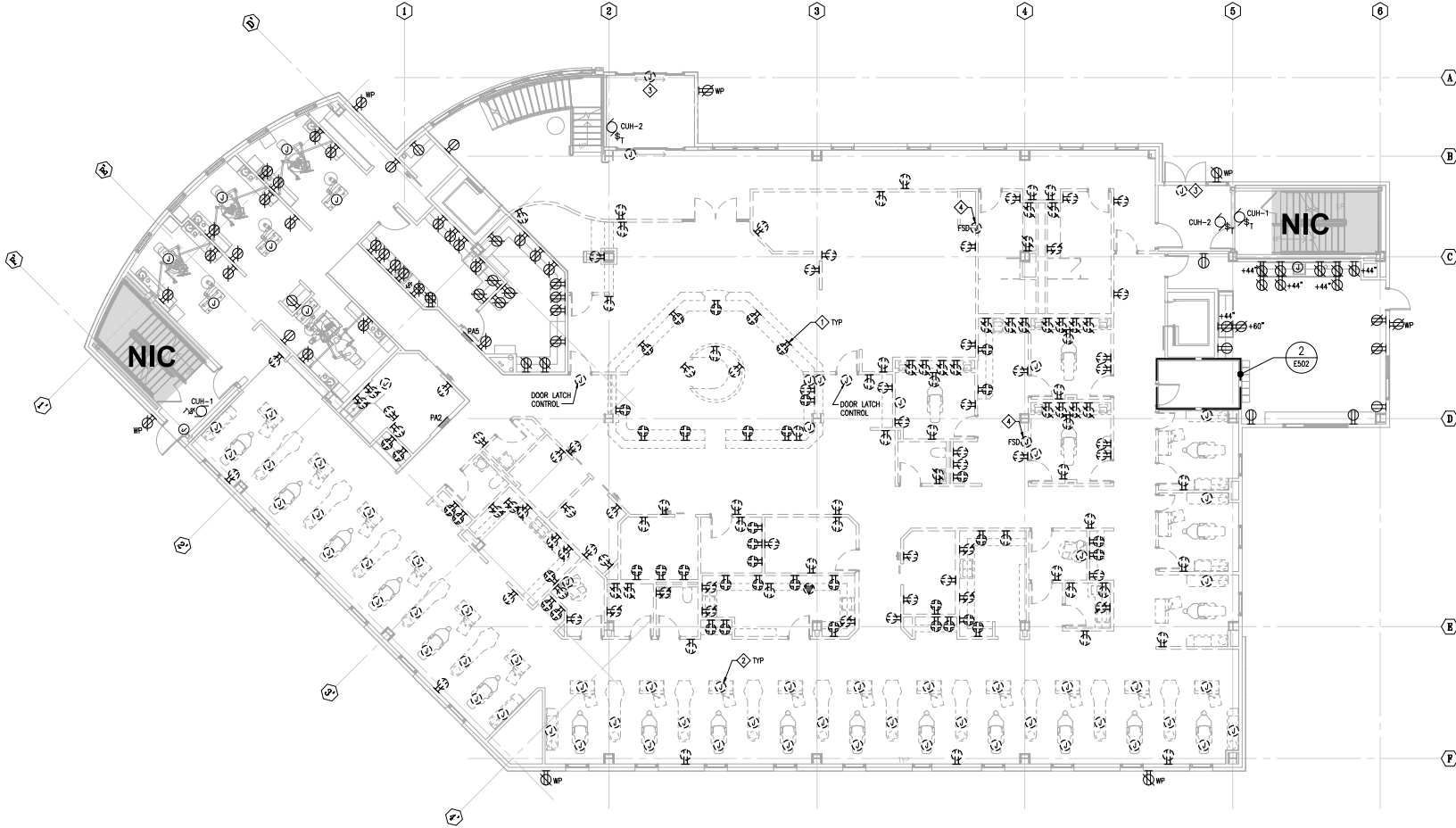
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ED103

DEMOLITION NOTES

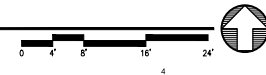
- ◇ DEMOLISH EXISTING WIRING DEVICE INCLUDING CONDUIT AND CONDUCTORS BACK TO PROTECTIVE DEVICE OR LAST DEVICE EXISTING TO REMAIN AND MAKE SAFE.
- ◇ DEMOLISH ELECTRICAL FLOOR JUNCTION BOX AND CONNECTIONS TO EXISTING DENTAL EQUIPMENT INCLUDING CONDUCTORS BACK TO LAST DEVICE EXISTING TO REMAIN. RESERVE CONDUIT BELOW FOR REUSE. COORDINATE WITH NEW DENTAL FURNITURE LAYOUT FOR HOLES OR FLOOR PENETRATIONS. GROUT AND PATCH UNUSED FLOOR PENETRATIONS.
- ◇ DEMOLISH EXISTING DOOR OPERATOR, WIRING AND CONNECTIONS.
- ◇ DEMOLISH ELECTRICAL CONNECTION TO FIRE SMOKE DAMPER LOCATED AT APPROXIMATE LOCATION SHOWN. REFER TO MECHANICAL SHEET MD302 FOR ADDITIONAL INFORMATION.

GENERAL NOTES

1. FOR SURFACES NOT BEING REFINISHED OR DEMOLISHED, REFER TO ARCHITECTURAL FOR ADDITIONAL INFORMATION. PATCH AND REPAIR AREA AROUND DEVICES REMOVED OR DEMOLISHED TO MATCH SURROUNDING.



1 DEMOLITION FIRST FLOOR PLAN - POWER
ED202 SCALE: 1/8" = 1'-0"



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Drawn by ERP/MP/LJLZ	Date 07/10/2023
Checked by JEH	Job No. 21003.03

Sheet Contents
DEMOLITION FIRST
FLOOR PLAN - POWER

Sheet No.
ED202

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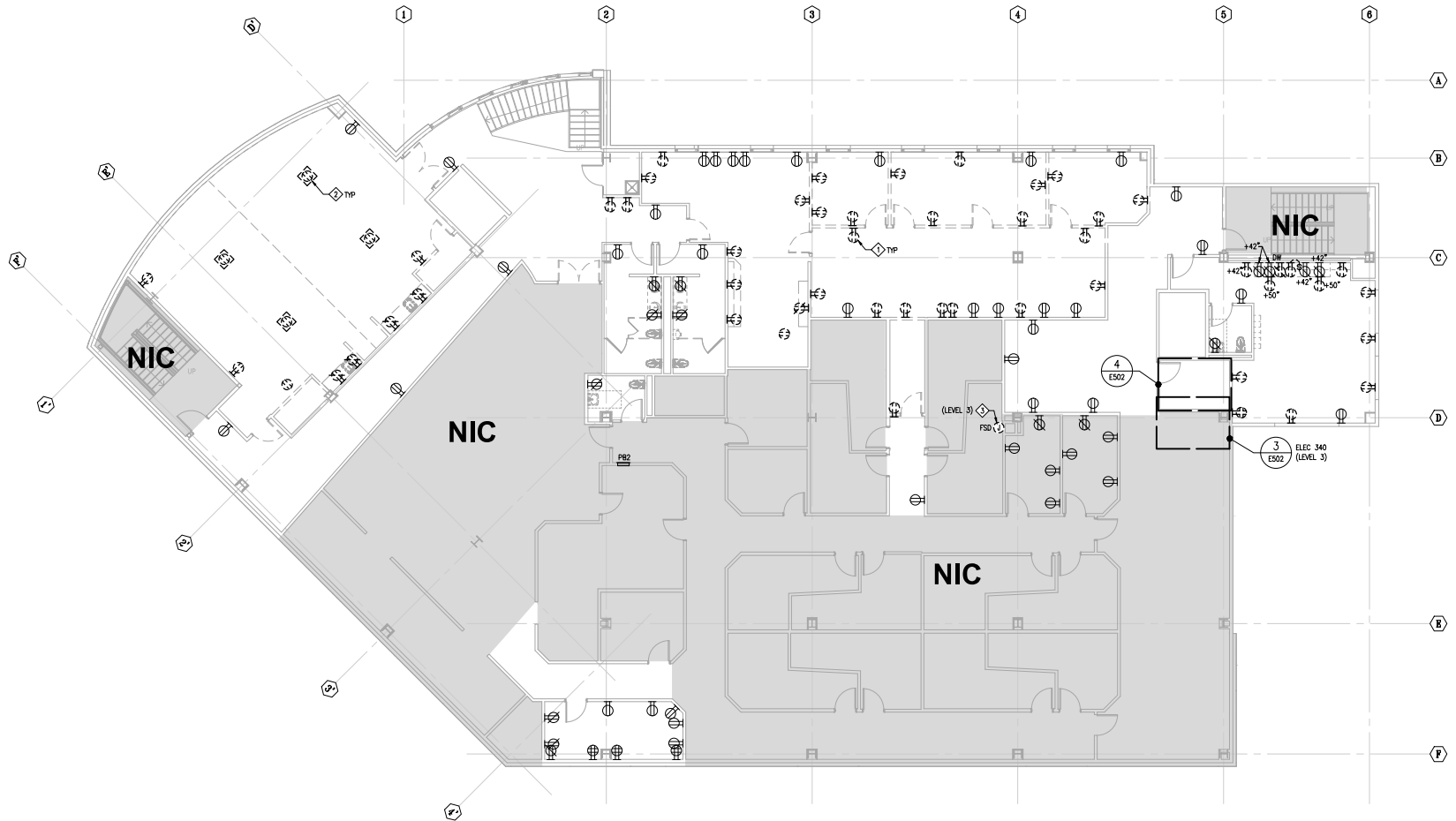
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DEMOLITION NOTES

- ◇ DEMOLISH EXISTING WIRING DEVICE INCLUDING CONDUIT AND CONDUCTORS BACK TO PROTECTIVE DEVICE OR LAST DEVICE EXISTING TO REMAIN AND MAKE SAFE.
- ◇ DEMOLISH ELECTRICAL FLOOR BOY INCLUDING CONDUCTORS BACK TO LAST DEVICE EXISTING TO REMAIN. RESERVE CONDUIT BELOW FOR REUSE, GROUT AND PATCH UNUSED FLOOR OPENINGS.
- ◇ DEMOLISH ELECTRICAL CONNECTION TO FIRE SMOKE DAMPER LOCATED AT APPROXIMATE LOCATION SHOWN LEVEL 3 ABOVE. REFER TO MECHANICAL SHEET M0204 FOR ADDITIONAL INFORMATION.

GENERAL NOTES

1. FOR SURFACES NOT BEING REFINISHED OR DEMOLISHED, REFER TO ARCHITECTURAL FOR ADDITIONAL INFORMATION. PATCH AND REPAIR AREA AROUND DEVICES REMOVED OR DEMOLISHED TO MATCH SURROUNDING.



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Revisions

No.	Description	Date

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Checked JEH	Job No. 21003.03

Sheet Contents
 DEMOLITION SECOND FLOOR PLAN - POWER

Sheet No.
ED203

1 DEMOLITION SECOND FLOOR PLAN - POWER
 ED203 SCALE: 1/8" = 1'-0"

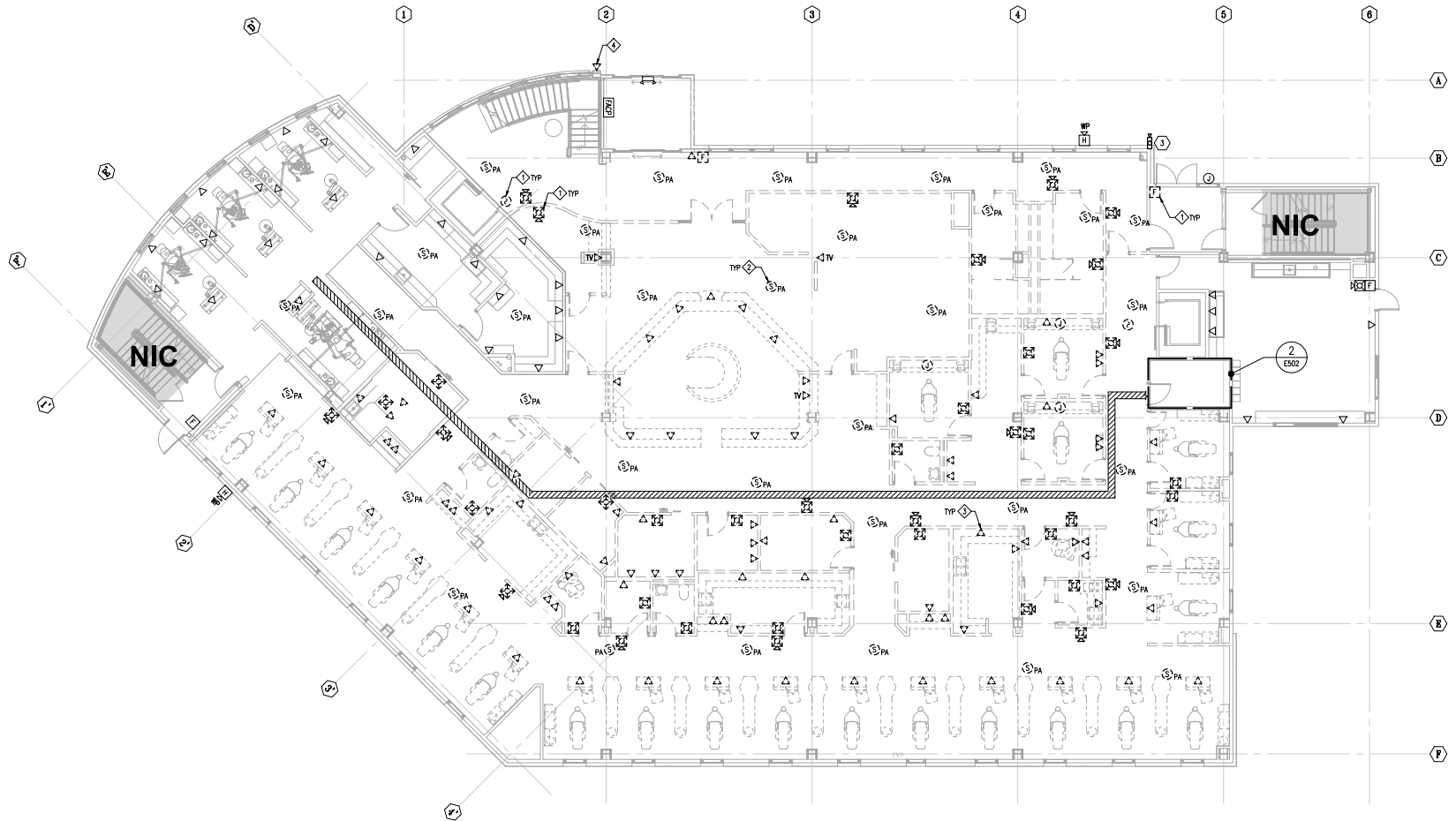
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DEMOLITION NOTES

- ◇ DISCONNECT AND REMOVE EXISTING PA DEVICE, CLEAN AND INSPECT. RESERVE DEVICES IN GOOD REPAIR FOR REUSE.
- ◇ DISCONNECT AND REMOVE EXISTING PA DEVICE, CLEAN AND INSPECT. RESERVE DEVICES IN GOOD REPAIR FOR REUSE.
- ◇ DEMOLISH EXISTING TELECOM OUTLET INCLUDING CABLING BACK TO LEVEL 2 TELECOM ROOM PATCH PANEL.
- ◇ DEMOLISH EXISTING TELECOM OUTLET INCLUDING CABLING BACK TO LEVEL 2 TELECOM ROOM PATCH PANEL, COVER, PATCH, AND REPAIR SURFACE AFTER DEMO.

GENERAL NOTES

1. WORK SHOWN IN HATCHED AREA PROVIDED UNDER A SEPARATE FUTURE CONTRACT.
2. FOR SURFACES NOT BEING REFRESHED OR DEMOLISHED, REFER TO ARCHITECTURAL FOR ADDITIONAL INFORMATION. PATCH AND REPAIR AREA AROUND DEVICES REMOVED OR DEMOLISHED TO MATCH SURROUNDING.



1 DEMOLITION FIRST FLOOR PLAN - SPECIAL SYSTEMS
 ED302 SCALE: 1/8" = 1'-0"



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No.	Description	Date

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Sheet Contents
 DEMOLITION FIRST FLOOR PLAN - SPECIAL SYSTEMS

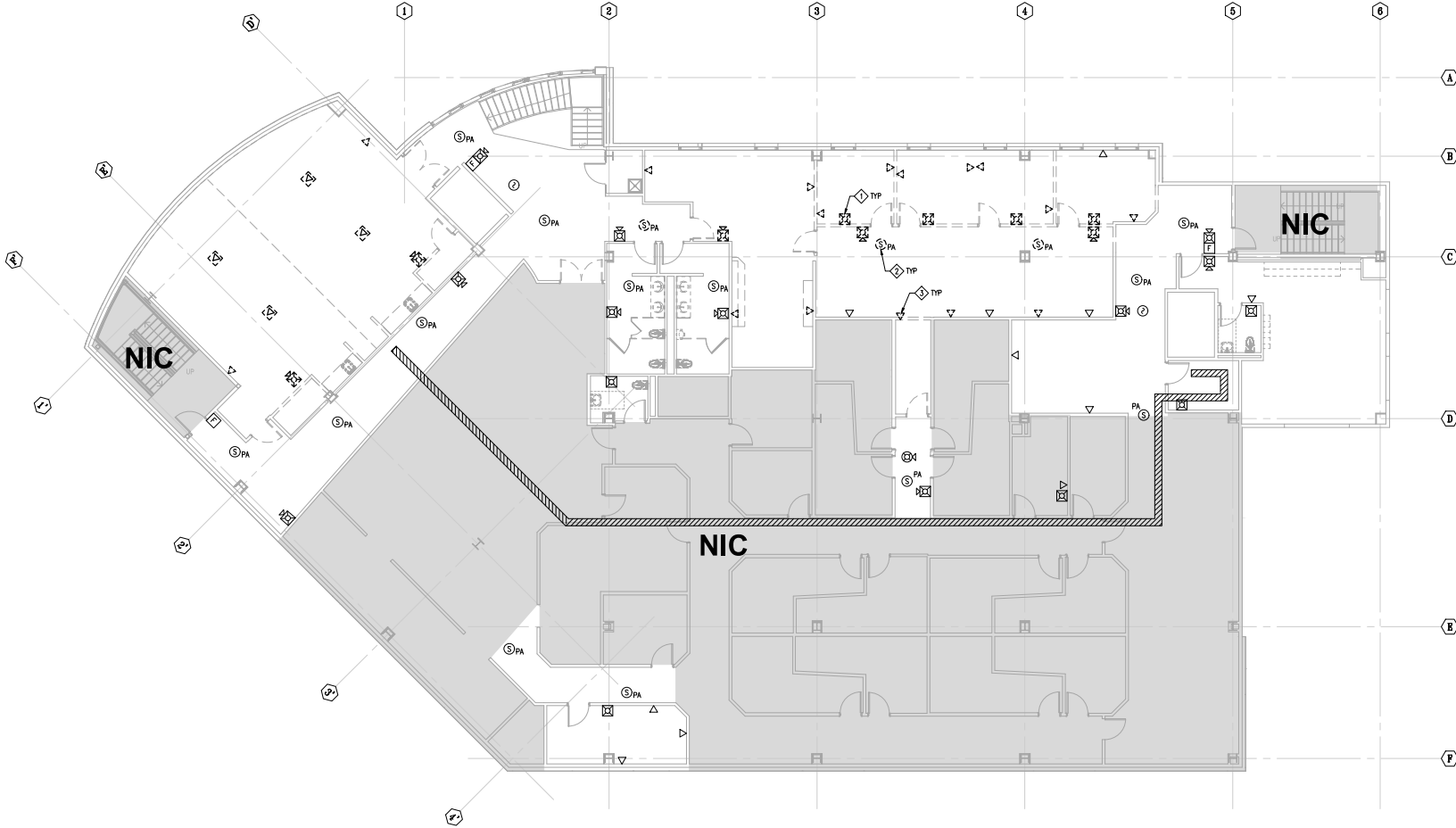
Sheet No.
ED302

DEMOLITION NOTES

- ◇ DISCONNECT AND REMOVE EXISTING FA DEVICE, CLEAN AND INSPECT. RESERVE DEVICES IN GOOD REPAIR FOR REUSE.
- ◇ DISCONNECT AND REMOVE EXISTING PA DEVICE, CLEAN AND INSPECT. RESERVE DEVICES IN GOOD REPAIR FOR REUSE.
- ◇ DEMOLISH EXISTING TELECOM OUTLET, PULL CABLING BACK TO CEILING SPACE AND COIL FOR REUSE.

GENERAL NOTES

1. FOR SURFACES NOT BEING REFRESHED OR DEMOLISHED, REFER TO ARCHITECTURAL FOR ADDITIONAL INFORMATION. PATCH AND REPAIR AREA AROUND DEVICES REMOVED OR DEMOLISHED TO MATCH SURROUNDING WORK SHOWN IN HATCHED AREA PROVIDED UNDER A SEPARATE FUTURE CONTRACT.



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Sheet Contents
 DEMOLITION SECOND FLOOR PLAN - SPECIAL SYSTEMS

Sheet No.
ED303

1 DEMOLITION SECOND FLOOR PLAN - SPECIAL SYSTEMS
 ED303 SCALE: 1/8" = 1'-0"

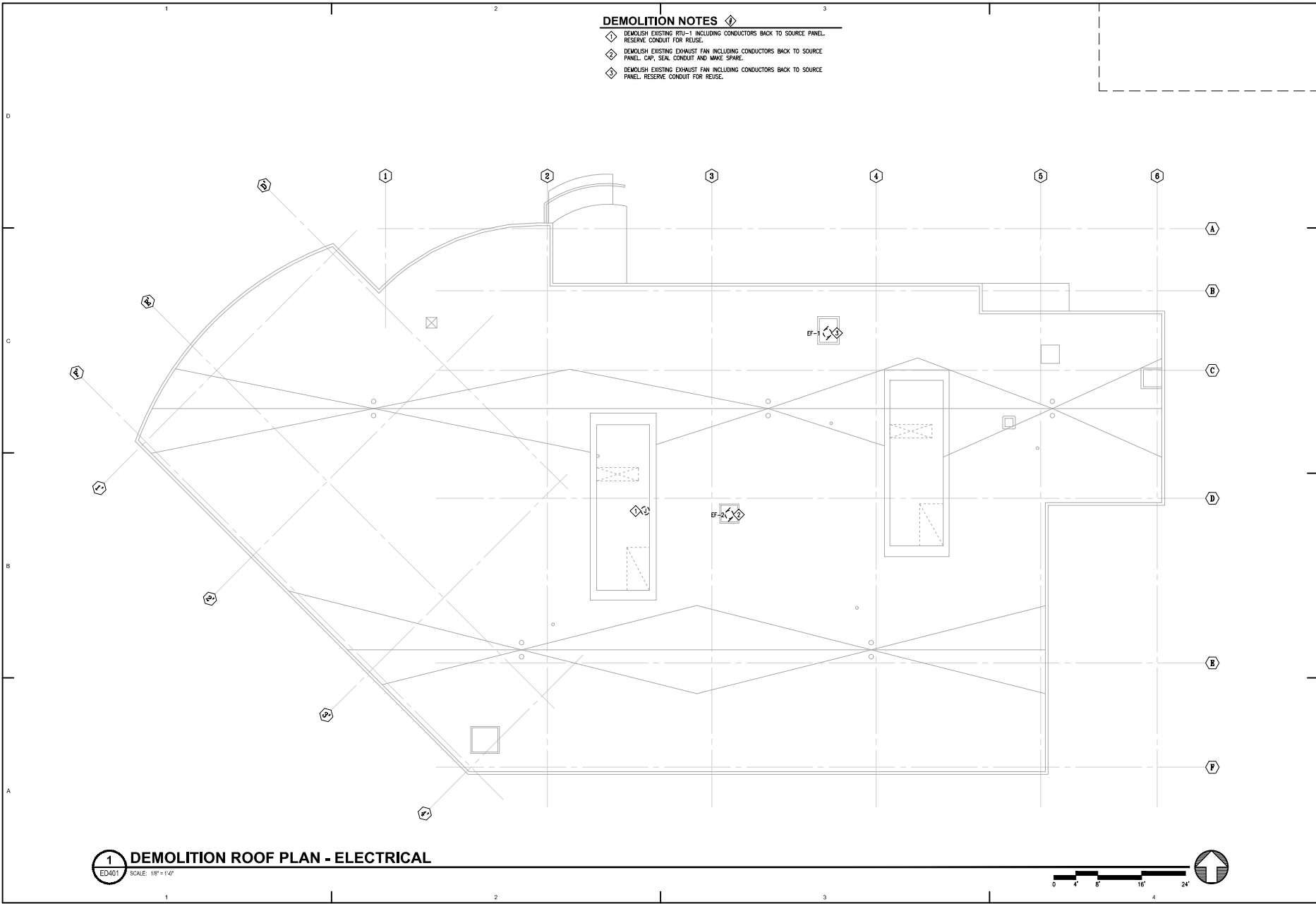


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DEMOLITION NOTES

- ◇ DEMOLISH EXISTING RFI-1 INCLUDING CONDUCTORS BACK TO SOURCE PANEL. RESERVE CONDUIT FOR REUSE.
- ◇ DEMOLISH EXISTING EXHAUST FAN INCLUDING CONDUCTORS BACK TO SOURCE PANEL. CAP, SEAL CONDUIT AND MAKE SPARE.
- ◇ DEMOLISH EXISTING EXHAUST FAN INCLUDING CONDUCTORS BACK TO SOURCE PANEL. RESERVE CONDUIT FOR REUSE.



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Sheet Contents
 DEMOLITION ROOF
 PLAN - ELECTRICAL

Sheet No.
ED401

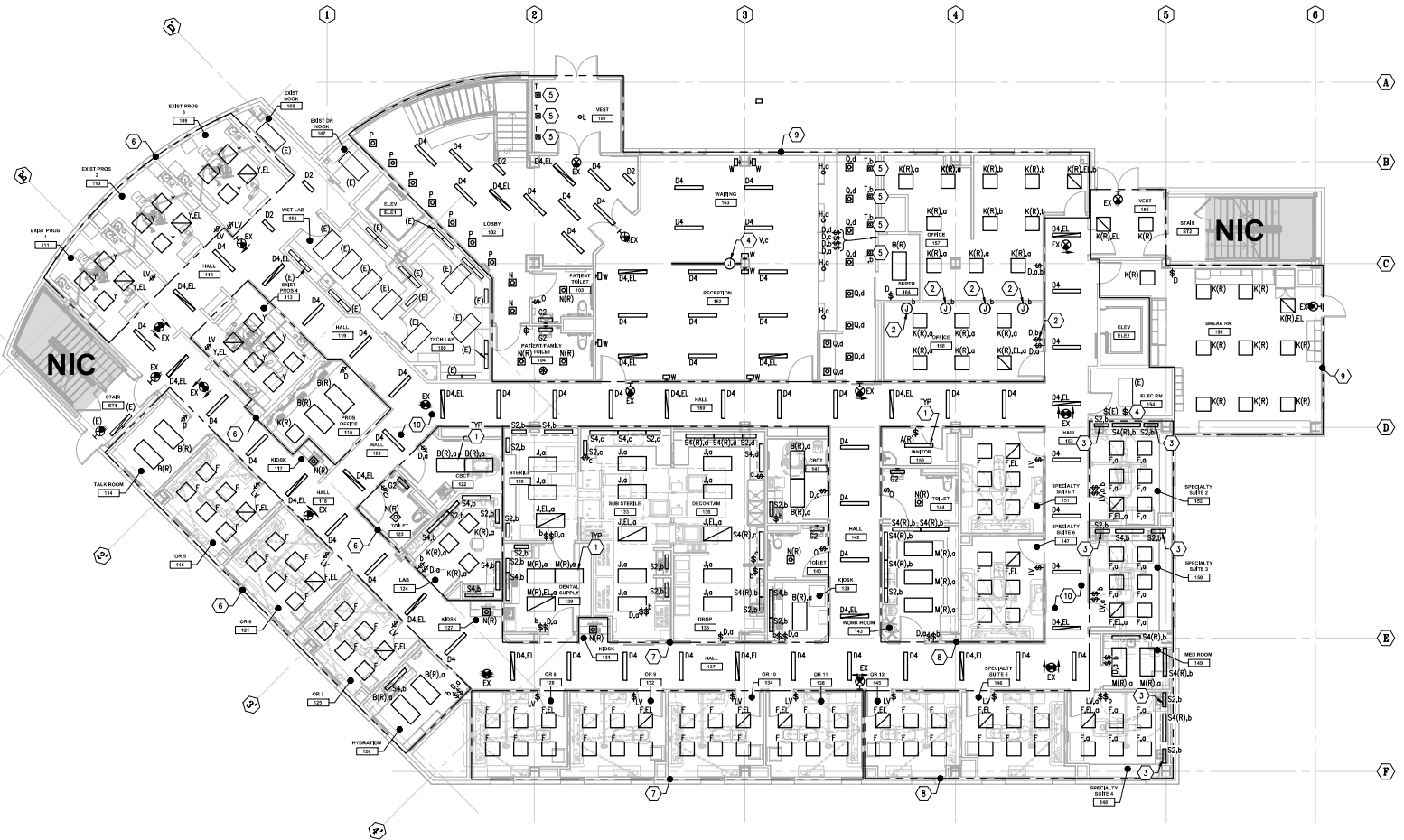
1 DEMOLITION ROOF PLAN - ELECTRICAL
 ED401 SCALE: 1/8" = 1'-0"

SHEET NOTES

1. REINSTALL RETAINED FIXTURE WW SHEET E102 AND CONNECT AS INDICATED IN GENERAL NOTES.
2. CONNECT TO ARCHITECTURAL "LIGHTGLASS" LIGHTING FIXTURE PART #: S-4218-G-2-M-D-WX-W-OS. PROVIDE 0-10V DIMMING LIGHTING CONTROL POWER PACKS AS REQUIRED IN ACCESSIBLE CEILING SPACE FOR A COMPLETE SYSTEM.
3. COORDINATE LOCATION OF UNDERCABINET LIGHT TO NOT INTERFERE WITH WALL MOUNTED CUSTOM GLOVE DISPENSING CABINET. REFER TO DENTAL EQUIPMENT DRAWINGS.
4. PROVIDE LED TAPE (TYPE VI) IN ARCHITECTURAL WALL TO ILLUMINATE GLASS PANEL. FIELD COORDINATE REMOTE DRIVER AND ROUTE THROUGH ADJACENT COLUMN. CONTROL ILLUMINATED GLASS PANEL VIA RECEPTION DESK. REFER TO ARCHITECTURAL DETAIL FOR ADDITIONAL INFORMATION.
5. LIGHTING FIXTURE TYPE T: INSTALL LIGHTING FIXTURE AT APPROXIMATE LOCATION SHOWN. FIELD ADJUST AND AIM LIGHT SO IT ILLUMINATES WIDEN UP THE WALL.
6. CONNECT LIGHTING IN THIS AREA TO LL1-4.
7. CONNECT LIGHTING IN THIS AREA TO LL1-8.
8. CONNECT LIGHTING IN THIS AREA TO LL1-12.
9. CONNECT LIGHTING IN THIS AREA TO LL1-14.
10. CONNECT LIGHTING IN HALLWAYS AND KOSKS TO LL1-16.

GENERAL NOTES

1. CONNECT NORMAL AND EMERGENCY LIGHTING FIXTURES TO PANEL LL1, UNLESS OTHERWISE NOTED. PANEL LL1 LOCATED IN LEVEL 1 ELECTRICAL ROOM 154. REFER TO SHEET E502.
2. PROVIDE LABEL FOR SWITCHES CONTROLLING UNDERCABINET LIGHTING TO READ, "UNDERCABINET LIGHTING".
3. FIRE STOP PENETRATIONS AND BOXES CONTROLLED IN FULL HEIGHT WALLS. REFERENCE ARCHITECTURAL DRAWINGS FOR LOCATIONS OF FULL HEIGHT WALLS.
4. REFER TO SHEET E002 FOR LIGHTING CONTROL SCHEDULE AND SHEET E102C FOR ADDITIONAL INFORMATION.



1 FIRST FLOOR PLAN - LIGHTING
E102 SCALE: 1/8" = 1'-0"



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Checked by JEB	Job No. 21003.03

Sheet Contents
FIRST FLOOR PLAN -
LIGHTING

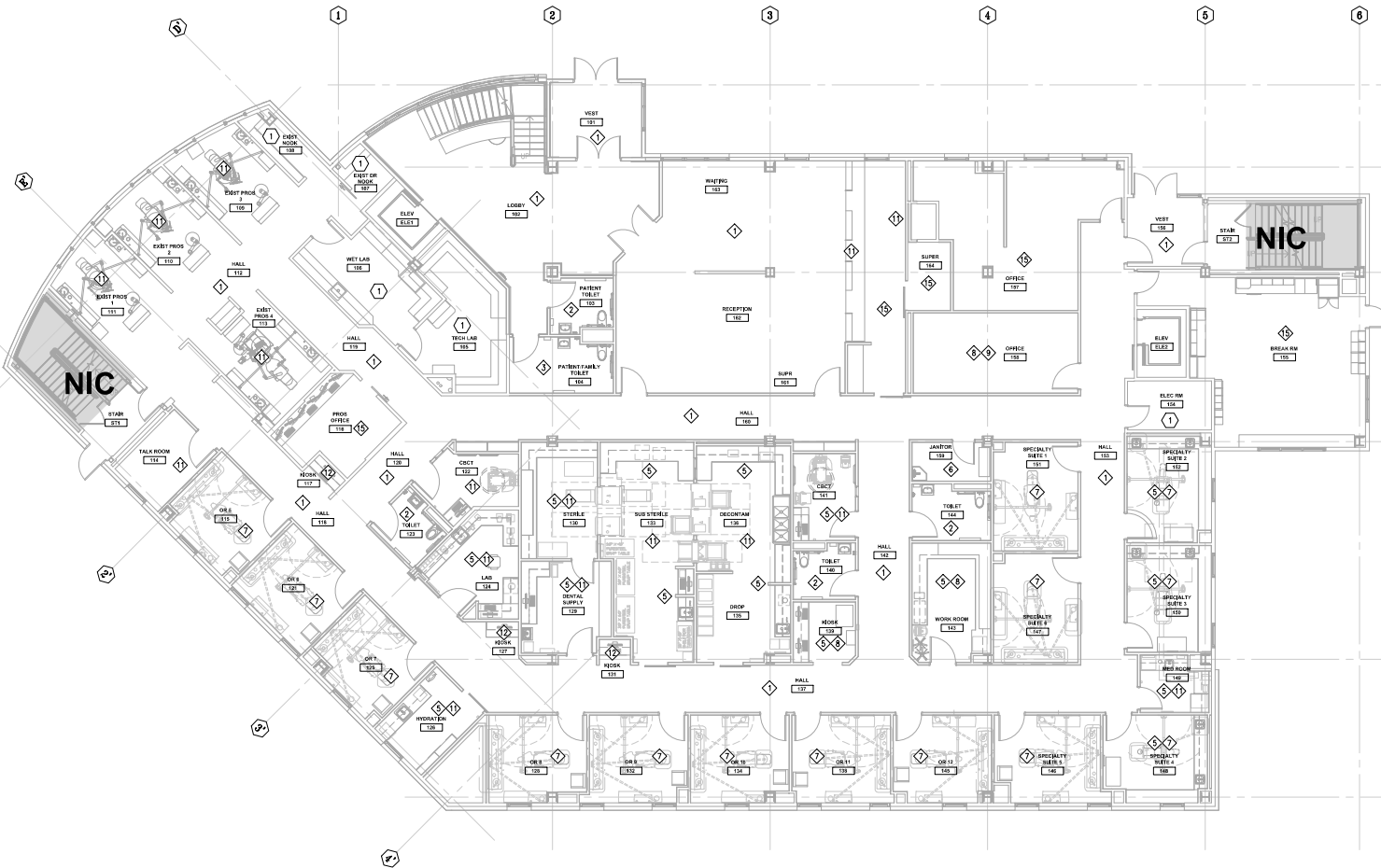
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E102

SHEET NOTES

1. EXISTING LIGHTING CONTROLS TO REMAIN.

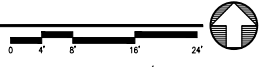
GENERAL NOTES

1. REFER TO SHEET E002 FOR LIGHTING CONTROL SCHEDULE.



1 FIRST FLOOR PLAN - LIGHTING CONTROL

SCALE: 1/8" = 1'-0"



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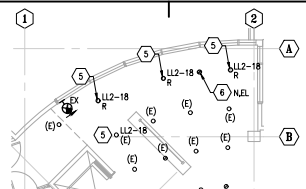
Sheet Contents
FIRST FLOOR PLAN -
LIGHTING CONTROL

Sheet No.
E102LC

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2 THIRD FLOOR MAIN STAIRWELL - LIGHTING
 E103 SCALE: 1/8" = 1'-0"



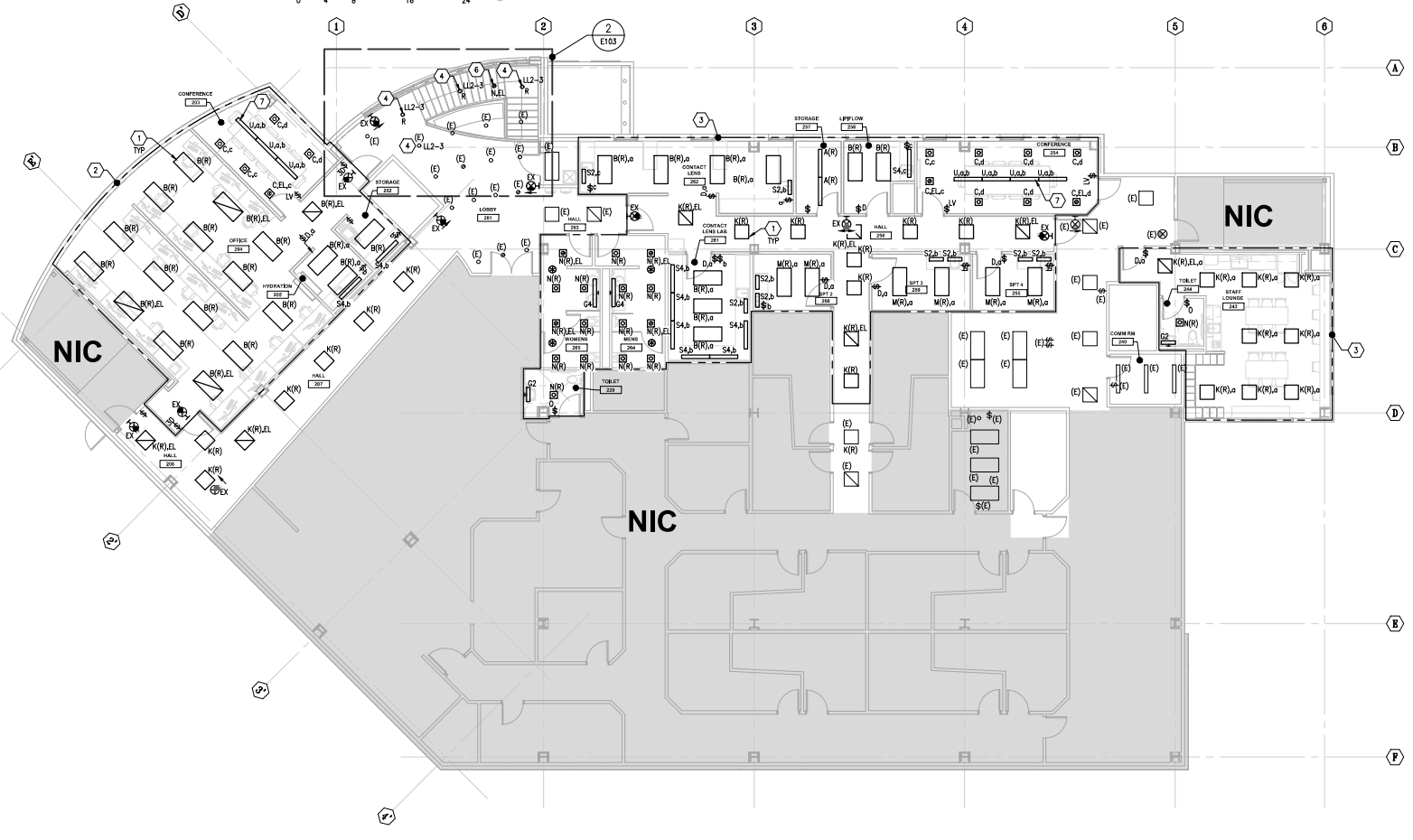
SHEET NOTES

- 1 REINSTALL RETAINED FIXTURE AW SHEET E103 AND CONNECT AS INDICATED IN GENERAL NOTES.
- 2 EXTEND EXISTING CIRCUIT LL2-17 AND CONNECT LIGHTING IN AREA SHOWN.
- 3 EXTEND EXISTING CIRCUIT LL2-13 AND CONNECT LIGHTING IN AREA SHOWN.
- 4 EXTEND EXISTING CIRCUIT LL2-4 AND CONNECT LEVEL 2 TYPE R PENDANT FIXTURES IN STAIRWELL AS SHOWN.
- 5 EXTEND EXISTING CIRCUIT LL2-18 AND CONNECT LEVEL 3 TYPE R PENDANT FIXTURES IN STAIRWELL AS SHOWN.
- 6 PROVIDE NEW TYPE N.E.L. FIXTURE AND EXTEND POWER FROM EXISTING NEARBY INVERTER CONNECTED TYPE N.E.L.(R) FIXTURES.
- 7 FIELD COORDINATE SUSPENDED LIGHTS WITH ARCHITECTURAL ACOUSTIC DONUTS.

GENERAL NOTES

1. CONNECT NORMAL AND EMERGENCY LIGHTING FIXTURES TO PANEL LL2, UNLESS OTHERWISE NOTED. PANEL LL2 LOCATED ON LEVEL 3 ELECTRICAL ROOM 340. REFER TO SHEET E202.
2. PROVIDE LABEL FOR SWITCHES CONTROLLING UNDERCABINET LIGHTING TO READ, "UNDERCABINET LIGHTING".
3. FIRE STOP PENETRATIONS AND BOXES LOCATED IN FULL HEIGHT WALLS. REFERENCE ARCHITECTURAL DRAWINGS FOR LOCATIONS OF FULL HEIGHT WALLS.
4. REFER TO SHEET E202 FOR LIGHTING CONTROL SCHEDULE AND SHEET E103.C FOR ADDITIONAL INFORMATION.

1 SECOND FLOOR PLAN - LIGHTING
 E103 SCALE: 1/8" = 1'-0"



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Revisions

No.	Description	Date

Drawn by ERP/MP/LJ/LZ	Date 07/10/2023
Checked by JEH	Job No. 21003.03

Sheet Contents
 SECOND FLOOR PLAN -
 LIGHTING

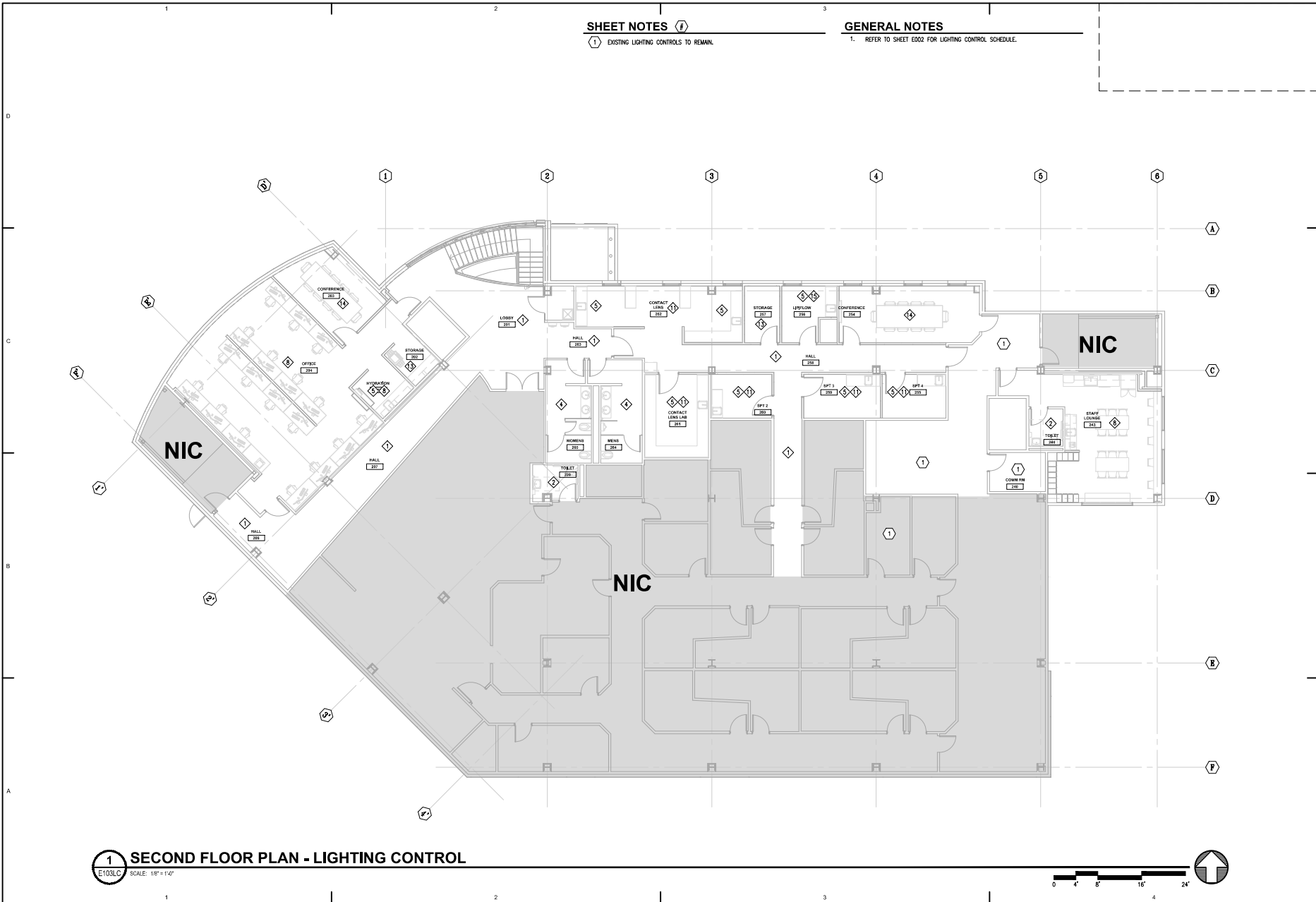
Sheet No.
E103

SHEET NOTES

1 EXISTING LIGHTING CONTROLS TO REMAIN.

GENERAL NOTES

1. REFER TO SHEET E002 FOR LIGHTING CONTROL SCHEDULE.



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SOUTH CENTRAL FOUNDATION
**SCF FIREWEED BUILDING
 RENOVATION**
 4341 TUDOR CENTRE DR

Revisions

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Sheet Contents
 SECOND FLOOR PLAN -
 LIGHTING CONTROL

Sheet No.
E103LC

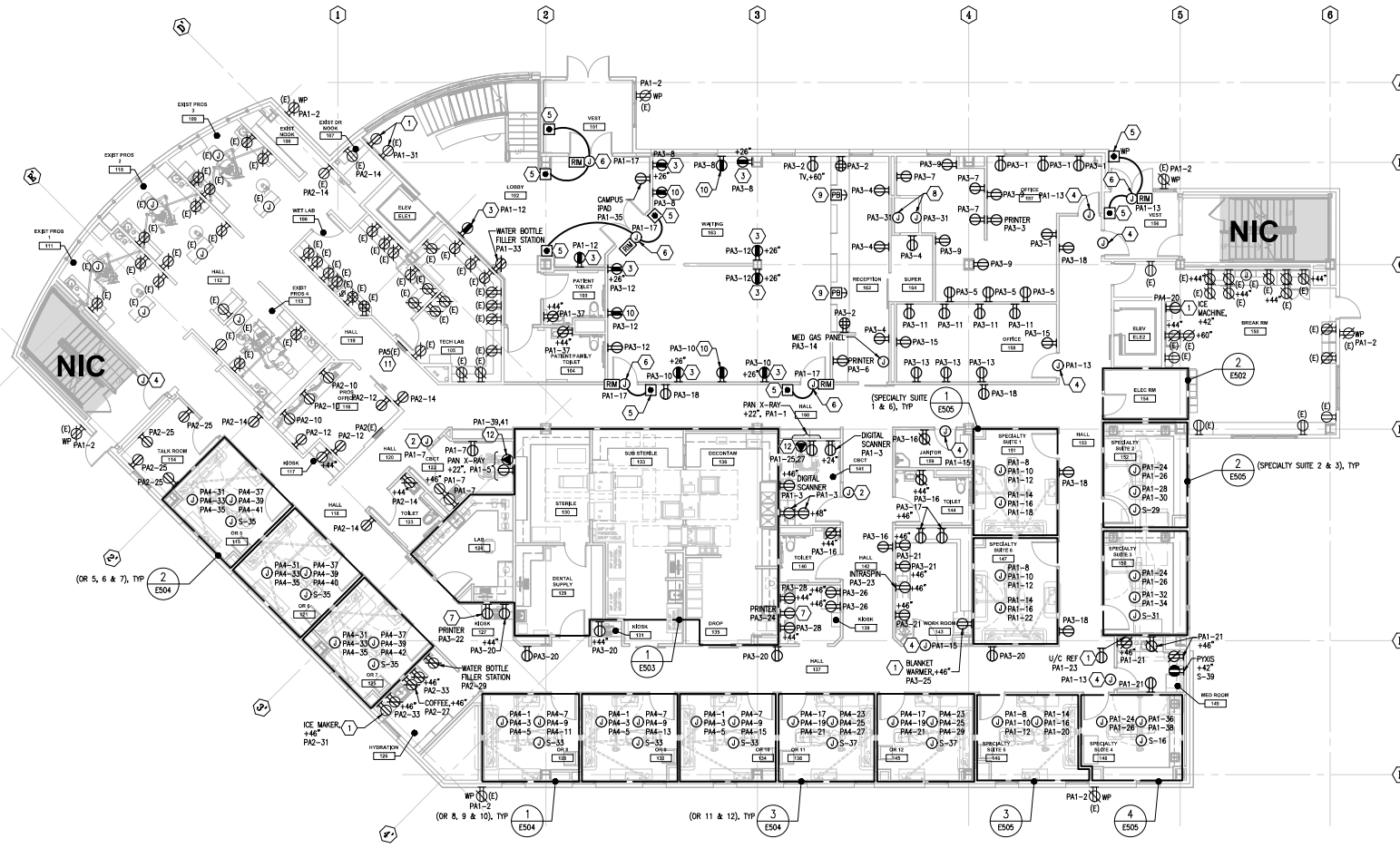
1 SECOND FLOOR PLAN - LIGHTING CONTROL
 SCALE: 1/8" = 1'-0"



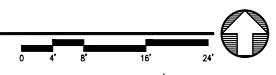
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SHEET NOTES

- 1 CONNECT RECEPTACLE TO GFCI CIRCUIT BREAKER IN PANELBOARD AND PROVIDE LABEL ON RECEPTACLE: "GFCI PROTECTED".
- 2 PROVIDE JUNCTION BOX FOR FIRING BUTTON AT 60 INCHES AFF. PROVIDE CONDUIT AND CONTROL WIRING ROUTED ABOVE CEILING BETWEEN FIRING BUTTON AND CBCT EQUIPMENT IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
- 3 PROVIDE 4 PORT USB CHARGER, LEGRAND CATALOG #TMBUSHWCCS OR APPROVED EQUAL.
- 4 CONNECT SMS RM ENCLOSURE POWER SUPPLY TO CIRCUIT INDICATED. REFER TO SPECIAL SYSTEMS FLOOR PLANS FOR LOCATION OF RM ENCLOSURES.
- 5 PROVIDE JUNCTION BOX FOR AUTOMATIC DOOR ACTUATOR BUTTON AT 44 INCHES AFF. PROVIDE CONNECTION BETWEEN AUTOMATIC DOOR ACTUATOR BUTTON AND DOOR OPERATOR TO OPEN DOOR UPON ACTIVATION. REFER TO DIVISION 8 FOR ADDITIONAL INFORMATION.
- 6 CONNECT AUTOMATIC DOOR OPERATOR PROVIDED UNDER DIVISION 8 TO CIRCUIT NOTED. PROVIDE WIRING, CONDUIT AND CONNECTIONS BETWEEN AUTOMATIC DOOR ACTUATOR AND DOOR OPERATOR IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
- 7 PROVIDE CORD MANAGEMENT FOR PULLOUT PRINTER LOCATION.
- 8 PROVIDE ELECTRICAL CONNECTION TO FIRE SMOKE DAMPER. REFER TO MECHANICAL SHEET PACKS FOR ADDITIONAL INFORMATION.
- 9 PROVIDE PUSH-BUTTON CONTROL FOR HALL DOORS. DOORS TO UNLOCK AND SWING OPEN ON BUTTON PRESS.
- 10 PROVIDE NEMA 5-20R RECEPTACLE WITH USB CHARGER, CATALOG #NBL USB20AC5W OR APPROVED EQUAL.
- 11 PROVIDE PANELBOARD NAMEPLATE ON FRONT COVER IN ACCORDANCE WITH SPECIFICATION SECTION 260333.
- 12 PROVIDE DEDICATED NEMA 6-30R RECEPTACLE FOR PAN X-RAY EQUIPMENT. PROVIDE 10 AWG CONDUCTORS AND CIRCUIT AS NOTED.



1 FIRST FLOOR PLAN - POWER
E202 SCALE: 1/8" = 1'-0"



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SOUTHCENTRAL FOUNDATION
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Revisions

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Checked by JEH	Job No. 21003.03

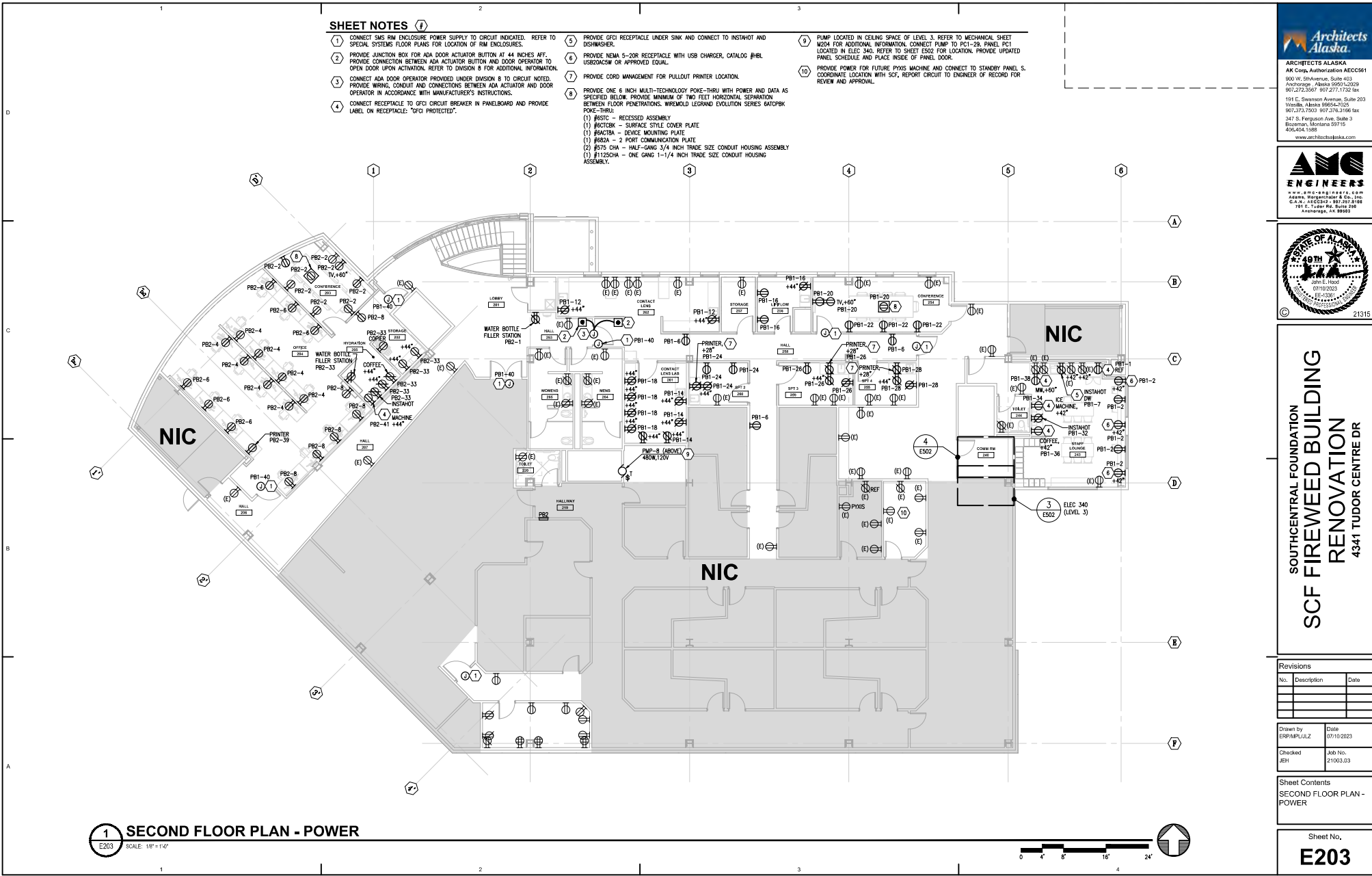
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FIRST FLOOR PLAN - POWER

Sheet No.
E202

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SHEET NOTES

- 1 CONNECT SMS RM ENCLOSURE POWER SUPPLY TO CIRCUIT INDICATED. REFER TO SPECIAL SYSTEMS FLOOR PLANS FOR LOCATION OF RM ENCLOSURES.
- 2 PROVIDE JUNCTION BOX FOR ADA DOOR ACTUATOR BUTTON AT 44 INCHES AFF. PROVIDE CONNECTION BETWEEN ADA ACTUATOR BUTTON AND DOOR OPERATOR TO OPEN DOOR UPON ACTIVATION. REFER TO DIVISION 8 FOR ADDITIONAL INFORMATION.
- 3 CONNECT ADA DOOR OPERATOR PROVIDED UNDER DIVISION 8 TO CIRCUIT NOTES. PROVIDE WIRING, CONDUIT AND CONNECTIONS BETWEEN ADA ACTUATOR AND DOOR OPERATOR IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
- 4 CONNECT RECEPTACLE TO GFCI CIRCUIT BREAKER IN PANELBOARD AND PROVIDE LABEL ON RECEPTACLE: "GFCI PROTECTED".
- 5 PROVIDE GFCI RECEPTACLE UNDER SINK AND CONNECT TO INSTANTHOT AND DISHWASHER.
- 6 PROVIDE NEMA 5-20R RECEPTACLE WITH USB CHARGER, CATALOG #PBL USB20ACSM OR APPROVED EQUAL.
- 7 PROVIDE CORD MANAGEMENT FOR PULLOUT PRINTER LOCATION.
- 8 PUMP LOCATED IN CEILING SPACE OF LEVEL 3. REFER TO MECHANICAL SHEET M204 FOR ADDITIONAL INFORMATION. CONNECT PUMP TO PFI-29. PANEL PFI-1 LOCATED IN ELEC 340. REFER TO SHEET E502 FOR LOCATION. PROVIDE UPDATED PANEL SCHEDULE AND PLACE INSIDE OF PANEL DOOR.
- 9 PROVIDE POWER FOR FUTURE PYXIS MACHINE AND CONNECT TO STANDBY PANEL S. COORDINATE LOCATION WITH SCF REPORT CIRCUIT TO ENGINEER OF RECORD FOR REVIEW AND APPROVAL.
- 10 PROVIDE ONE 6 INCH MULTI-TECHNOLOGY POKE-THRU WITH POWER AND DATA AS SPECIFIED BELOW. PROVIDE MINIMUM OF TWO FEET HORIZONTAL SEPARATION BETWEEN FLOOR PENETRATIONS. WIREMOLD LEGRAND EVOLUTION SERIES GATCPBK POKE-THRU.
 - (1) #6STC - RECESSED ASSEMBLY
 - (1) #6CTCRK - SURFACE STYLE COVER PLATE
 - (1) #6ACTDR - DEVICE MOUNTING PLATE
 - (1) #6S2A - 2 PORT COMMUNICATION PLATE
 - (2) #575 OHA - HALF-GANG 3/4 INCH TRADE SIZE CONDUIT HOUSING ASSEMBLY
 - (1) #1/2SCHA - ONE GANG 1-1/4 INCH TRADE SIZE CONDUIT HOUSING ASSEMBLY.



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Sheet Contents
 SECOND FLOOR PLAN - POWER

Sheet No.
E203

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SHEET NOTES

- 1 RELOCATE FA DEVICE REMOVED FROM DEMOLITION PHASE TO LOCATION SHOWN AND RECONNECT TO FA SYSTEM.
- 2 PROVIDE CARD READER AND CONNECT BETWEEN ACCESS CONTROL SYSTEM AND AUTOMATIC DOOR OPERATOR IN ACCORDANCE WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS. PROGRAM ACCESS CONTROL SYSTEM AND AUTOMATIC DOOR SUCH THAT DOOR UNLOCKS AND OPENS AUTOMATICALLY UPON VALID CARD SWIPE.
- 3 PROVIDE TELECOM HORIZONTAL CABLEING TO LOCATION SHOWN FOR OFD IP CAMERA AND TERMINATE ON 1 PORT TELECOM BISCUIT. PROVIDE ADDITIONAL 10 FOOT OF COILED SERVICE LOOP SLACK AT LOCATION AND ROUTE CABLEING TO GARAGE TELECOM ROOM.
- 4 LOCATION OF FIRE/SMOKE DAMPER. REFER TO MECHANICAL SHEET M302 FOR ADDITIONAL INFORMATION.
- 5 PROVIDE ACS RM AND RM ENCLOSURE FOR THE DOOR(S) AS SHOWN. PROVIDE REQUIRED POWER SUPPLIES, CONDUIT, WIRE, TERMINAL BLOCKS ETC. FOR A COMPLETE AND FUNCTIONING SYSTEM IN ACCORDANCE WITH THE SPECIFICATIONS, APPLICABLE CODES AND STANDARDS. LOCATE ENCLOSURE ABOVE DOOR IN ACCESSIBLE CEILING SPACE OR IN APPROVED CENTRALIZED LOCATION. REFER TO SPECIFICATION FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
- 6 PROVIDE TELECOM HORIZONTAL CABLEING TO LOCATION SHOWN FOR OFD WAP AND TERMINATE ON 1 PORT TELECOM BISCUIT. PROVIDE ADDITIONAL 10 FOOT OF COILED SERVICE LOOP SLACK AT LOCATION AND ROUTE CABLEING TO GARAGE TELECOM ROOM.
- 7 PROVIDE THREE SPEAKER CONTROLS FOR THE FOLLOWING SPEAKER ZONES: HALLWAY SPEAKERS, WAITING/RECEPTION SPEAKERS, LOBBY SPEAKERS.

GENERAL NOTES

1. ROUTE TELECOM CABLEING PROVIDED UNDER THIS CONTRACT TO PARKING GARAGE TELECOM ROOM RACKS. EXISTING TELECOM CABLEING IMPACTED BY CONSTRUCTION; DEMOLISH CABLEING AND PROVIDE NEW CABLEING BETWEEN EXISTING TO REMAIN TELECOM OUTLET LOCATIONS AND PARKING GARAGE TELECOM RACKS.
2. UTILIZE EXISTING THROUGH FLOOR PENETRATIONS IN ELEC 154 FOR ROUTING OF TELECOM CABLEING BETWEEN THIS FLOOR AND PARKING GARAGE TELECOM ROOM. PROVIDE ADDITIONAL THROUGH FLOOR CONDUIT SLEEVES AS REQUIRED FOR ROUTING OF CABLEING. FIRE STOP SLEEVE AFTER ROUTING IS COMPLETE.



1 FIRST FLOOR PLAN - SPECIAL SYSTEMS
E302 SCALE: 1/8" = 1'-0"



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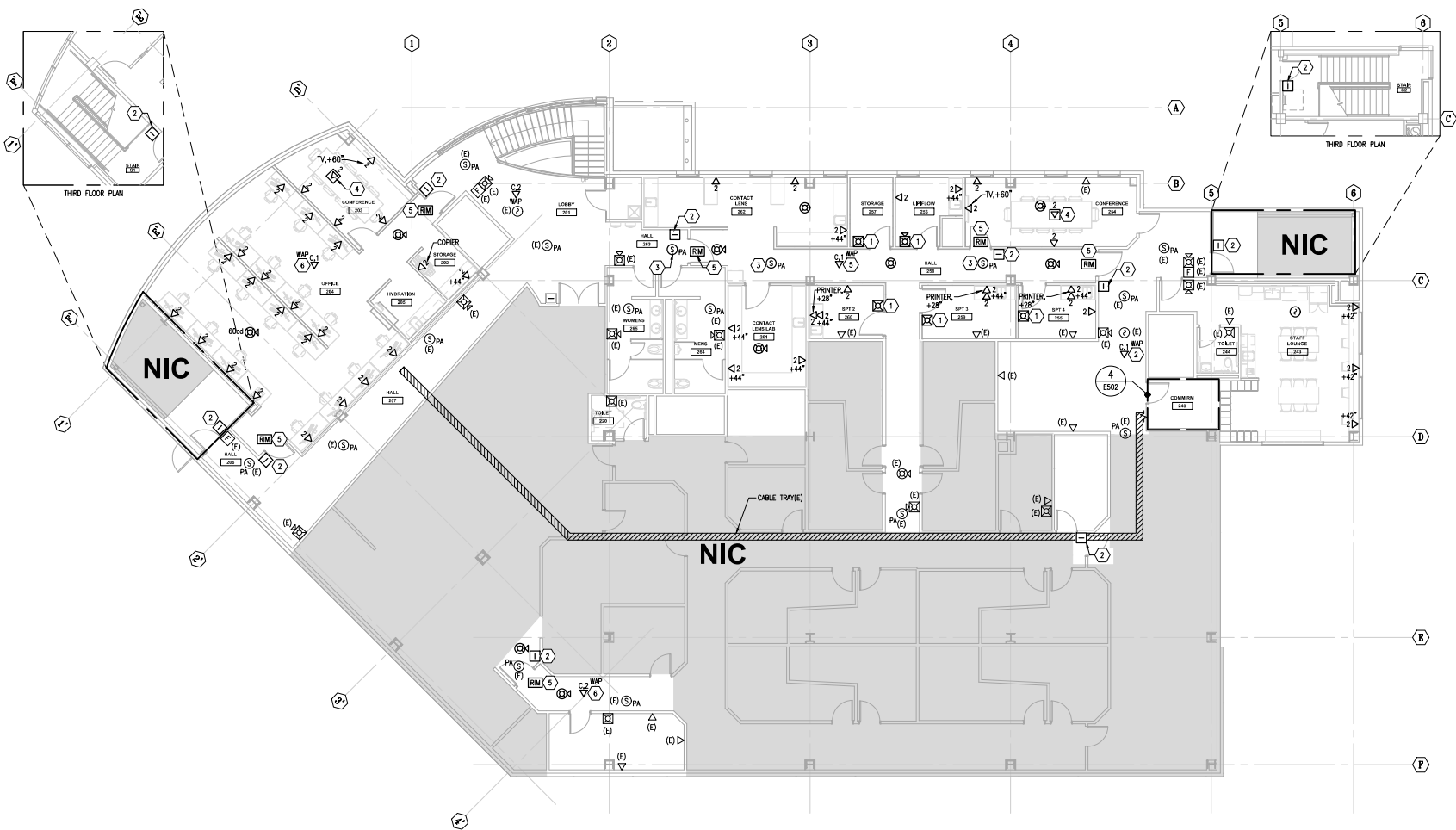
Sheet Contents
FIRST FLOOR PLAN -
SPECIAL SYSTEMS

Sheet No.
E302

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SHEET NOTES (7)

- 1 RELOCATE PA DEVICE REMOVED FROM DEMOLITION PHASE TO LOCATION SHOWN AND RECONNECT TO PA SYSTEM.
- 2 PROVIDE CARD READER AND CONNECT BETWEEN ACCESS CONTROL SYSTEM AND AUTOMATIC DOOR OPERATOR IN ACCORDANCE WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS. PROGRAM ACCESS CONTROL SYSTEM AND AUTOMATIC DOOR SUCH THAT DOOR UNLOCKS AND OPENS AUTOMATICALLY UPON VALID CARD SWIPE.
- 3 RELOCATE PA DEVICE REMOVED FROM DEMOLITION PHASE TO LOCATION SHOWN.
- 4 PROVIDE DATA IN POKE-THRU QUANTITY AS SHOWN. REFER TO NOTE 8 ON SHEET E203 FOR ADDITIONAL INFORMATION.
- 5 PROVIDE ACS RIM AND RIM ENCLOSURE FOR THE DOOR(S) AS SHOWN. PROVIDE REQUIRED POWER SUPPLIES, CONDUIT, WIRE, TERMINAL BLOCKS ETC. FOR A COMPLETE AND FUNCTIONING SYSTEM IN ACCORDANCE WITH THE SPECIFICATIONS, APPLICABLE CODES AND STANDARDS. LOCATE ENCLOSURE ABOVE DOOR IN ACCESSIBLE CEILING SPACE OR IN APPROVED CENTRALIZED LOCATION. REFER TO SPECIFICATION FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
- 6 PROVIDE TELECOM HORIZONTAL CABLING TO LOCATION SHOWN FOR OFF. WAP AND TERMINATE ON 1 PORT TELECOM BISCUIT. PROVIDE ADDITIONAL 10 FOOT OF COILED SERVICE LOOP SLACK AT LOCATION AND ROUTE CABLING TO GARAGE TELECOM ROOM.
- 7 PROVIDE DATA FOR FUTURE PIXIS MACHINE. COORDINATE LOCATION WITH SDF.



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Sheet Contents
 SECOND FLOOR PLAN -
 SPECIAL SYSTEMS

Sheet No.
E303

1 SECOND FLOOR PLAN - SPECIAL SYSTEMS
 E303 SCALE: 1/8" = 1'-0"

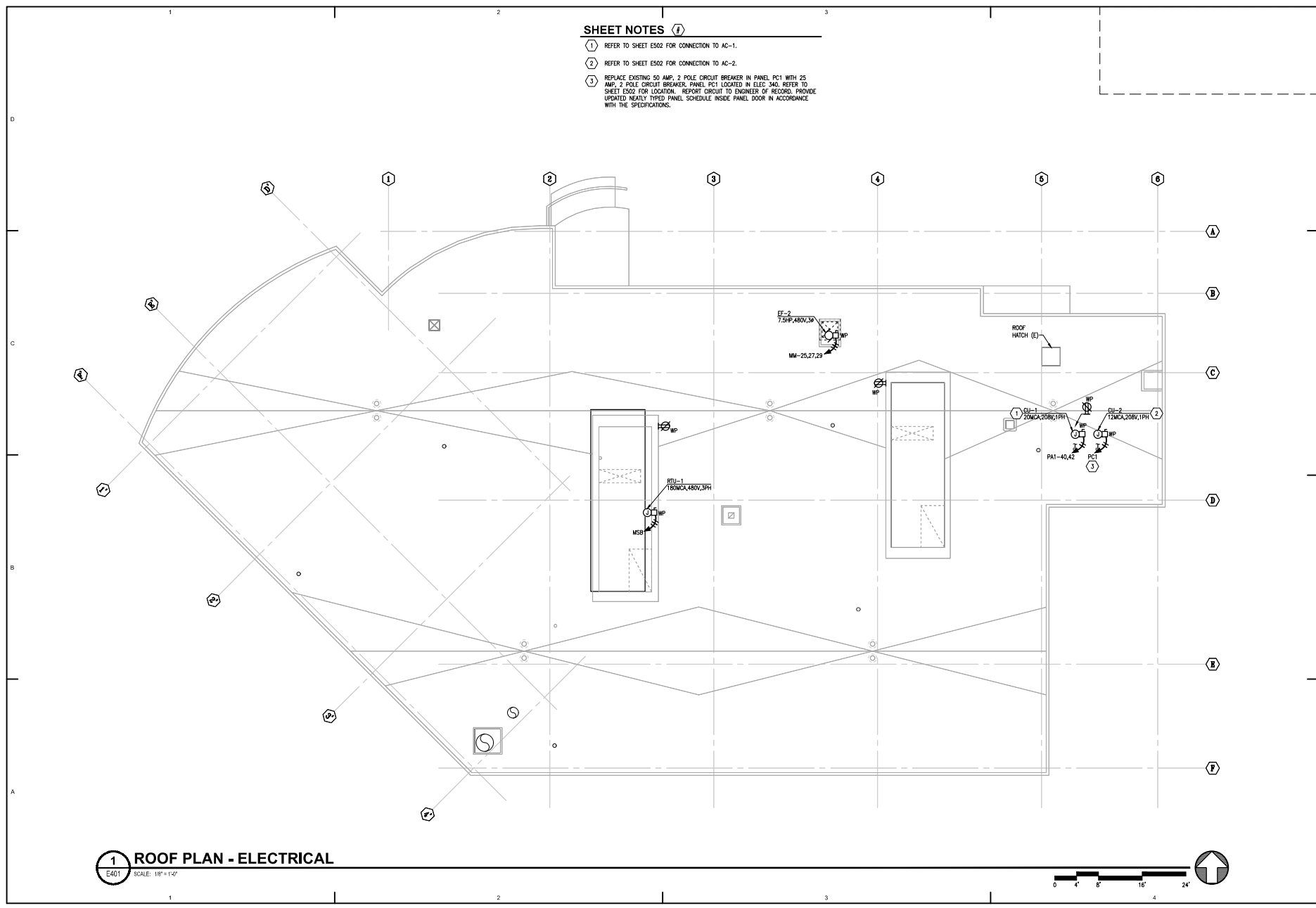


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SHEET NOTES (F)

- ① REFER TO SHEET E502 FOR CONNECTION TO AC-1.
- ② REFER TO SHEET E502 FOR CONNECTION TO AC-2.
- ③ REPLACE EXISTING 50 AMP, 2 POLE CIRCUIT BREAKER IN PANEL PC1 WITH 25 AMP, 2 POLE CIRCUIT BREAKER. PANEL PC1 LOCATED IN ELEC. RM. REFER TO SHEET E502 FOR LOCATION. REPORT CIRCUIT TO ENGINEER OF RECORD. PROVIDE UPDATED NEATLY TYPED PANEL SCHEDULE INSIDE PANEL DOOR IN ACCORDANCE WITH THE SPECIFICATIONS.



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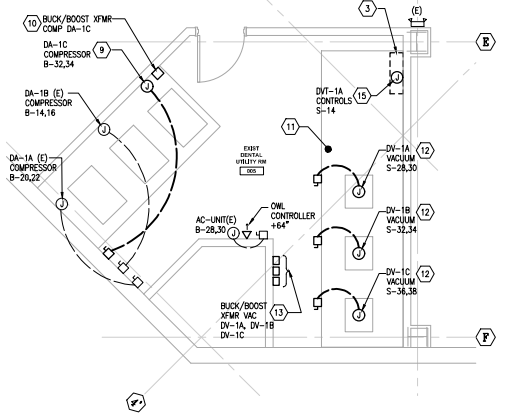
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 ROOF PLAN -
 ELECTRICAL

Sheet No.
E401

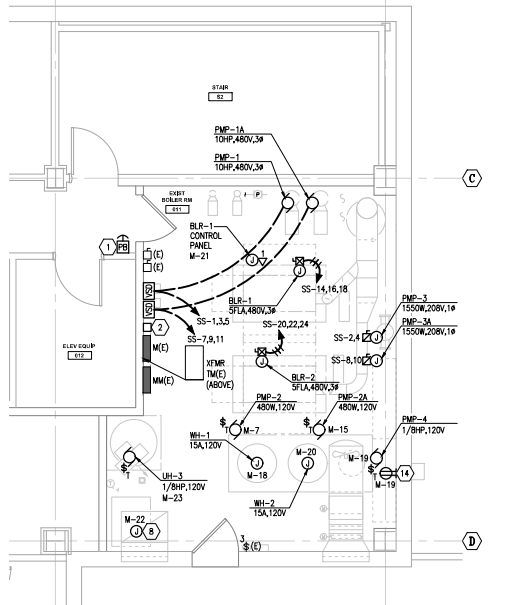
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 E401 SCALE: 1/8" = 1'-0"



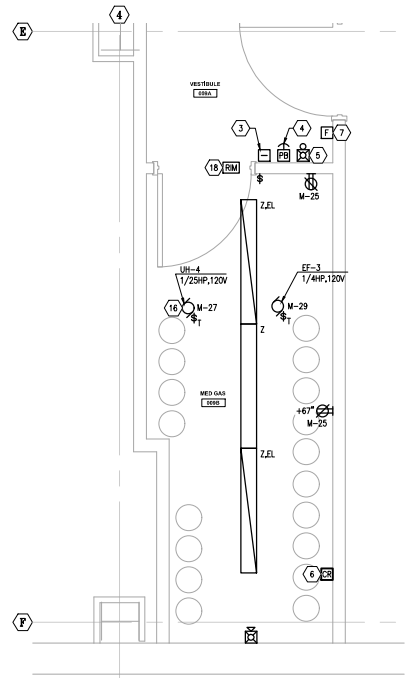
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1 ENLARGED DENTAL UTILITY ROOM
 SCALE: 1/4" = 1'-0"



2 ENLARGED BOILER ROOM PLAN
 SCALE: 1/4" = 1'-0"



3 ENLARGED MED GAS ROOM
 SCALE: 1/2" = 1'-0"

SHEET NOTES

- 1 PROVIDE BOILER EMERGENCY SHUT DOWN SWITCH. REFER TO DETAIL 1 ON SHEET E601.
- 2 PROVIDE CONTACTOR FOR BOILER SHUTDOWN AT LOCATION SHOWN. REFER TO DETAIL 1 ON SHEET E601.
- 3 DEMOLISH EXISTING RAMVAC CONTROL BOX AND ASSOCIATED CONDUCTORS BACK TO SOURCE PANEL. REUSE CONDUIT IN GOOD CONDITION.
- 4 PROVIDE GLASS BREAK ALARM BUTTON (FLUSH MOUNTED IN INTERIOR, SURFACE MOUNTED ON EXTERIOR) WITH N.C. CONTACT. REFER TO MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION. PROVIDE FA MONITOR MODULE TO MONITOR STATUS OF N.C. CONTACT.
- 5 PROVIDE ENGRAVED NAMEPLATE TO READ "GAS STORAGE ALARM" ABOVE AMBER CHIME STROBE. INITIATE DEVICES UPON ACTIVATION OF GLASS BREAK ALARM BUTTON.
- 6 PROVIDE FIRE ALARM CONTROL RELAY AT LOCATION SHOWN FOR SHUTDOWN OF MED GAS FAN VIA FACP ON ACTIVATION OF GLASS BREAK ALARM BUTTON.
- 7 PROVIDE FIRE ALARM DEVICE AT LOCATION SHOWN.
- 8 CONNECT TO RO UNIT. CIRCUIT AS NOTED. REFER TO DENTAL EQUIPMENT (ED) DRAWINGS.
- 9 PROVIDE ELECTRICAL CONNECTION TO DENTAL AIR COMPRESSOR. REFER TO MECHANICAL FOR EXACT LOCATION AND ADDITIONAL INFORMATION. FIELD LOCATE. DISCONNECT INSTALL LOCATION FOR NEW COMPRESSOR.
- 10 PROVIDE 1.5KVA BUCK/BOOST TRANSFORMER WITH 120/240 HV WITH 115C MAX TEMPERATURE RISE AND 180C INSULATION, HAMMOND POWER SOLUTIONS D1125222 (OR AS APPROVED).
- 11 DEMOLISH EXISTING VACUUM EQUIPMENT (QTY: 3) INCLUDING CONDUIT AND CONDUCTORS BACK TO SOURCE PANEL. REUSE CONDUIT IN GOOD CONDITION. PROVIDE NEW VACUUM AND ASSOCIATED EQUIPMENT AS SHOWN.
- 12 PROVIDE ELECTRICAL CONNECTION TO DENTAL VACUUMS. REFER TO MECHANICAL FOR EXACT LOCATION AND ADDITIONAL INFORMATION. FIELD LOCATE EQUIPMENT DISCONNECT.
- 13 PROVIDE 0.5KVA BUCK/BOOST TRANSFORMER WITH 120/240 HV WITH 80C MAX TEMPERATURE RISE. SQUARE D 5005V49 OR AS APPROVED.
- 14 PROVIDE RECEPTACLE FOR CONNECTION TO PMP-4 AQUASAT. REFER TO MECHANICAL DRAWINGS AND MANUFACTURER'S INSTALLATION INSTRUCTIONS FOR ADDITIONAL INFORMATION. FIELD COORDINATE RECEPTACLE HEIGHT, CIRCUIT AS NOTED.
- 15 CONNECT TO COMPRESSOR TANK CONTROL BOX. REFER TO MECHANICAL FOR ADDITIONAL INFORMATION.
- 16 CONNECT TO CIRCUIT SHOWN VIA LINE VOLTAGE T-STATE. REFER TO MECHANICAL DRAWINGS FOR LOCATION.

EXHAUST FAN EMERGENCY SHUT-OFF SEQUENCE OF OPERATION.

1. ACTIVATION OF GLASS BREAK EMERGENCY SHUT-OFF BUTTON:
 - NORMALLY CLOSED CONTACT OPENS. FIRE ALARM MONITOR MODULE DETECTS OPEN CONTACT.
 - SUPERVISORY SIGNAL INDICATED AT FACP "MED GAS EMP".
 - LOCAL MEGAS AUDIBLE AND VISUAL ALARMS ACTIVATED BY FACP.
 - LOCAL FIRE ALARM CONTROL RELAY INTERRUPTS POWER TO EXHAUST FAN CAUSING SHUTDOWN.
2. RESET GLASS BREAK EMERGENCY SHUTDOWN:
 - NORMALLY CLOSED CONTACT CLOSSES.
 - FACP DETECTS THAT THE CONTACT IS CLOSED.
 - SUPERVISORY SIGNAL MAY BE CLEARED BY OPERATOR.
 - LOCAL ALARM TO TURN OFF.
 - EXHAUST FAN RESTARTS.
3. EXHAUST FANS DO NOT SHUT DOWN ON GENERAL FIRE ALARM. SHUT DOWN IS ONLY FROM BREAK GLASS.

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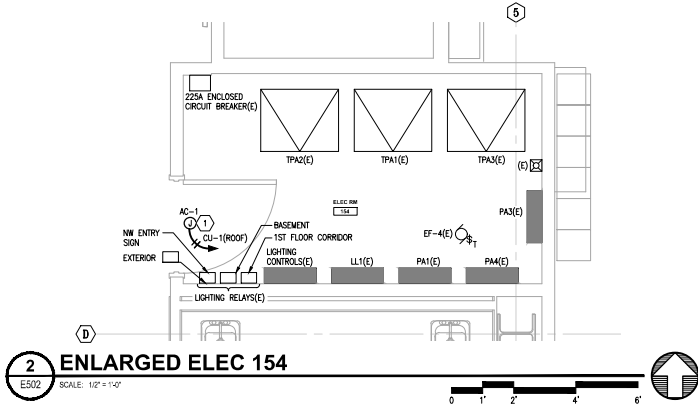
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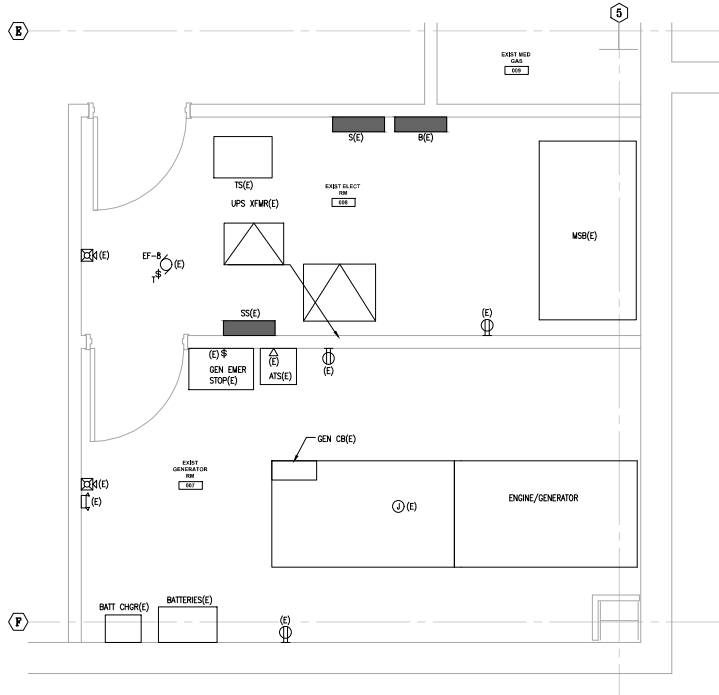
Sheet Contents
 ENLARGED PLANS -
 BASEMENT

Sheet No.
E501

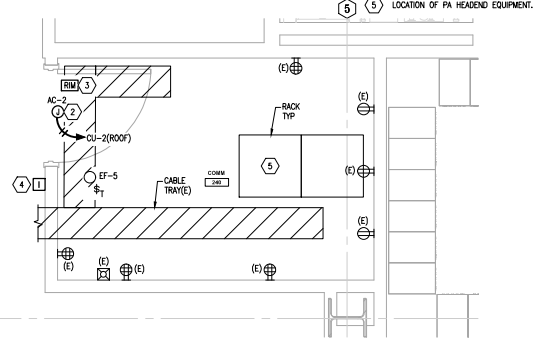
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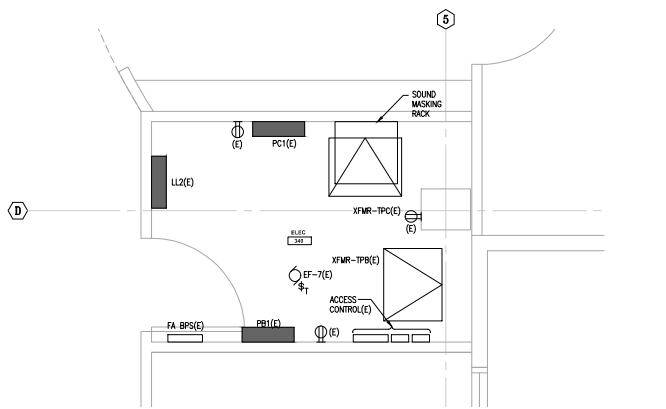
2 ENLARGED ELEC 154
 E502 SCALE: 1/2" = 1'-0"



1 ENLARGED GENERATOR 007 AND ELEC 008
 E502 SCALE: 1/2" = 1'-0"



4 ENLARGED COMM 240
 E502 SCALE: 1/2" = 1'-0"



3 ENLARGED ELEC 340
 E502 SCALE: 1/2" = 1'-0"

SHEET NOTES

- ① APPROXIMATE LOCATION OF AC-1. COORDINATE WITH MECHANICAL FOR EXACT LOCATION. PROVIDE WIRING, CONDUIT AND CONNECTIONS BETWEEN AC-1 AND CU-1 IN ACCORDANCE WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS. CU-1 LOCATED ON ROOF. REFER TO SHEET E401.
- ② APPROXIMATE LOCATION OF AC-2. COORDINATE WITH MECHANICAL FOR EXACT LOCATION. PROVIDE WIRING, CONDUIT AND CONNECTIONS BETWEEN AC-2 AND CU-2 IN ACCORDANCE WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS. CU-2 LOCATED ON ROOF. REFER TO SHEET E401.
- ③ PROVIDE ACS RIM AND RIM ENCLOSURE FOR THE DOOR(S) AS SHOWN. PROVIDE REQUIRED POWER SUPPLIES, CONDUIT, WIRE, TERMINAL BLOCKS ETC. FOR A COMPLETE AND FUNCTIONING SYSTEM IN ACCORDANCE WITH THE SPECIFICATIONS, APPLICABLE CODES AND STANDARDS. LOCATE ENCLOSURE ABOVE DOOR IN ACCESSIBLE CEILING SPACE OR IN APPROVED CENTRALIZED LOCATION. REFER TO SPECIFICATION FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
- ④ CONNECT SMS RIM ENCLOSURE POWER SUPPLY TO CIRCUIT INDICATED. REFER TO SPECIAL SYSTEMS FLOOR PLANS FOR LOCATION OF RIM ENCLOSURES.
- ⑤ LOCATION OF PA HEADEND EQUIPMENT.

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SOUTHCENTRAL FOUNDATION
SCF FIREWEED BUILDING
RENOVATION
 4341 TUDOR CENTRE DR

Revisions

No.	Description	Date

Drawn by ERP/MP/LJ/LZ	Date 07/10/2023
Checked by JEH	Job No. 21003.03

Sheet Contents
 ENLARGED PLANS -
 ELECTRICAL & TELECOM
 ROOMS

Sheet No.
E502

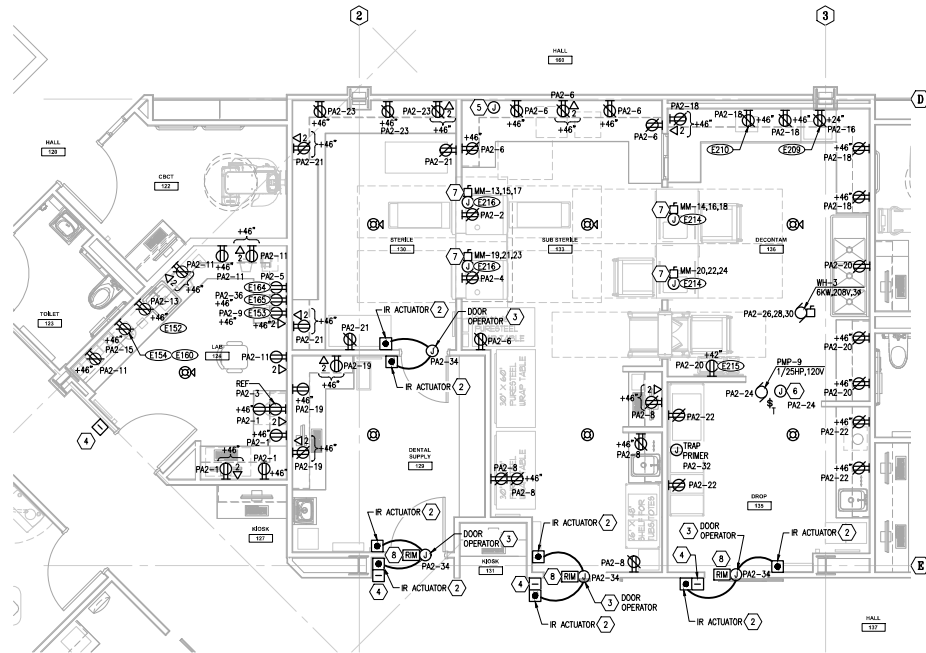
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SHEET NOTES

1. CONNECT RECEPTACLE TO GFI CIRCUIT BREAKER IN PANELBOARD AND PROVIDE LABEL ON RECEPTACLE: "GFI PROTECTED".
2. PROVIDE JUNCTION BOX FOR INFRARED DOOR ACTUATOR BUTTON AT 44 INCHES AFF. PROVIDE CONNECTION BETWEEN IR ACTUATOR BUTTON AND DOOR OPERATOR TO OPEN DOOR UPON ACTIVATION. REFER TO DIVISION 8 FOR ADDITIONAL INFORMATION. COORDINATE WITH SFP TO SET IR SENSITIVITY.
3. CONNECT DOOR OPERATOR PROVIDED UNDER DIVISION 8 TO CIRCUIT NOTED. PROVIDE WIRING, CONDUIT AND CONNECTIONS BETWEEN IR ACTUATOR AND DOOR OPERATOR IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
4. PROVIDE ACS RIM AND RIM ENCLOSURE FOR THE DOOR(S) AS SHOWN. PROVIDE REQUIRED POWER SUPPLIES, CONDUIT, WIRING, TERMINAL BLOCKS ETC. FOR A COMPLETE AND FUNCTIONING SYSTEM IN ACCORDANCE WITH THE SPECIFICATIONS, APPLICABLE CODES AND STANDARDS. LOCATE ENCLOSURE ABOVE DOOR IN ACCESSIBLE CEILING SPACE OR IN APPROVED CENTRALIZED LOCATION. REFER TO SPECIFICATION FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
5. PROVIDE ELECTRICAL CONNECTION TO FIRE SMOKE DAMPER. REFER TO MECHANICAL SHEET R433 FOR ADDITIONAL INFORMATION.
6. PROVIDE HARDWIRED CONNECTION TO PMP-9 AQUASTAT LOCATED ABOVE CEILING AT APPROXIMATE LOCATION SHOWN. REFER TO MECHANICAL DRAWINGS AND MANUFACTURER'S INSTALLATION INSTRUCTIONS FOR ADDITIONAL INFORMATION. CIRCUIT AS NOTED.
7. FIELD COORDINATE AND PROVIDE NEMA 4X 60A, 3P/4W, LOCKABLE SAFETY SWITCH. REFER TO SAI DENTAL EQUIPMENT DRAWING ELEVATIONS FOR APPROXIMATE LOCATION.
8. CONNECT SMS RIM ENCLOSURE POWER SUPPLY TO CIRCUIT INDICATED. REFER TO SPECIAL SYSTEMS FLOOR PLANS FOR LOCATION OF RIM ENCLOSURES.

GENERAL NOTES

1. REFER TO DENTAL EQUIPMENT DRAWINGS FOR EQUIPMENT TAGS AND ADDITIONAL INFORMATION.



1 ENLARGED PLAN - LAB AND STERILE ROOMS
 E503 SCALE: 1/4" = 1'-0"



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SOUTHCENTRAL FOUNDATION
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Revisions

No.	Description	Date

Drawn by ERP/MP/LJ/LZ	Date 07/10/2023
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Sheet Contents
 ENLARGED PLANS - LAB
 AND STERILE ROOMS

Sheet No.
E503

Revisions

No.	Description	Date

Drawn by ERP/MP/LJ/LZ	Date 07/10/2023
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Sheet Contents

ENLARGED PLANS - OR

Sheet No.
E504

GENERAL NOTES

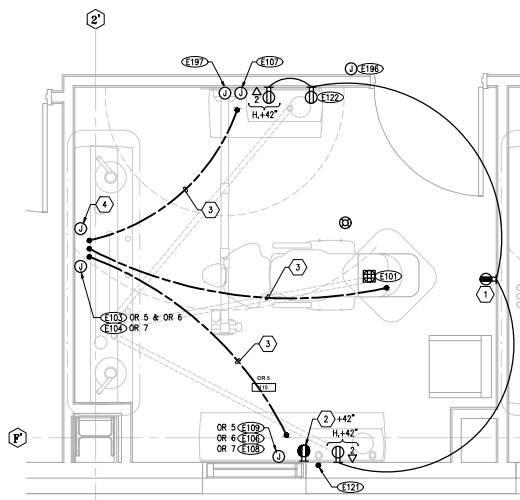
1. REFER TO DENTAL EQUIPMENT DRAWINGS FOR ADDITIONAL INFORMATION.
2. COORDINATE DEVICE LOCATIONS WITH DENTAL CASEWORK/EQUIPMENT PROVIDER SHOP DRAWINGS. COORDINATE FINAL CONDUIT QUANTITIES, ROUTING, AND TERMINATION LOCATIONS WITH DETAILED DENTAL SHOP DRAWINGS. PROVIDE COMBINED ELECTRICAL AND DENTAL SHOP DRAWING INCLUDING ELEVATIONS TO ENGINEER OF RECORD FOR REVIEW AND APPROVAL. PRIOR TO INSTALLATION.
3. REFER TO SHEET E202 FOR CIRCUIT DESIGNATION PER ROOM.

SHEET NOTES

- 1 PROVIDE NEMA 5-20R RECEPTACLE WITH USB CHARGER, CATALOG #HBL USB2AC20W OR APPROVED EQUAL.
- 2 CONNECT TO PANEL S, PANEL S LOCATED IN BASEMENT ELEC COB. REFER TO SHEET E202 FOR ADDITIONAL CIRCUIT INFORMATION.
- 3 PROVIDE CONDUIT IN ACCORDANCE WITH DENTAL EQUIPMENT SCHEDULE. ROUTE CONDUIT VIA ACCESSIBLE CEILING SPACE BELOW FIRE STOP INTERIOR OF CONDUIT AT ACCESSIBLE CEILING SPACE WITH REMOVABLE INTUMESCENT FIRE STOP CAULK TO RESTORE FLOOR FINISH.
- 4 PROVIDE FLUSH MOUNTED JUNCTION BOX ACCESSIBLE FROM DENTAL CASEWORK AT 2 INCHES AFF TO BOTTOM OF BOX WITH 2 INCH TOP CONDUIT KNOCKOUT. RACO 260 OR AS APPROVED, WITH 2 INCH GROMMETTED FACE PLATE. PROVIDE 3 INCH CONDUIT FROM BOX ROUTED IN WALL, STUBBED TO ACCESSIBLE CEILING SPACE.

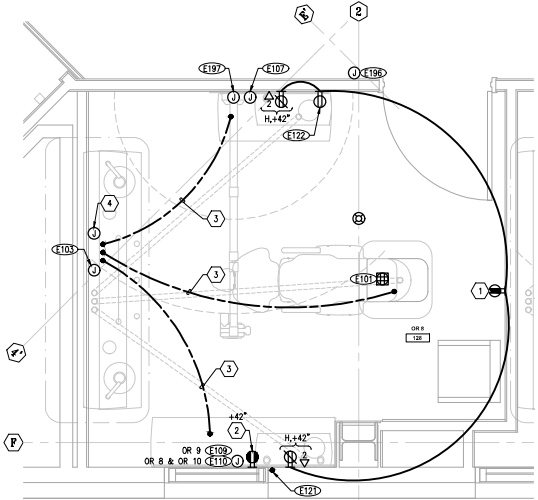
DENTAL EQUIPMENT SCHEDULE

ID	DESCRIPTION	REQUIREMENTS
E101	DENTAL CHAIR	PROVIDE QUAD ELECTRICAL BOX SURFACE MOUNTED ON FLOOR FOR CONNECTION TO DENTAL CHAIR. PROVIDE 101/2 INCH CONDUIT ROUTED CONCEALED UNDERFLOOR TO ACCESSIBLE CEILING SPACE VIA WALL. PROVIDE 182 INCH CONDUIT ROUTED CONCEALED BETWEEN DENTAL CHAIR AND TREATMENT CONSOLE (E103) FOR LOW VOLTAGE PATHWAY.
E103	TREATMENT CONSOLE	PROVIDE TWO-GANG JUNCTION BOX FOR HARDWARE CONNECTION TO TREATMENT CONSOLE. PROVIDE 182 INCH CONDUIT UNDERFLOOR BETWEEN CONSOLE AND DENTAL CHAIR (E101). PROVIDE 182 INCH CONDUIT UNDERFLOOR BETWEEN CONSOLE AND ACCESSORY CONSOLE(S) SHOWN.
E104	TREATMENT CONSOLE	PROVIDE TWO-GANG JUNCTION BOX FOR HARDWARE CONNECTION TO TREATMENT CONSOLE. PROVIDE 182 INCH CONDUIT UNDERFLOOR BETWEEN CONSOLE AND DENTAL CHAIR (E101). PROVIDE 182 INCH CONDUIT UNDERFLOOR BETWEEN CONSOLE AND ACCESSORY CONSOLE(S) SHOWN.
E106	ACCESSORY CONSOLE	PROVIDE TWO-GANG JUNCTION BOX FOR HARDWARE CONNECTION TO ACCESSORY CONSOLE. PROVIDE 182 INCH CONDUIT UNDERFLOOR BETWEEN ACCESSORY CONSOLE AND TREATMENT CONSOLE SHOWN.
E107	ACCESSORY CONSOLE	SAME AS E106.
E108	ACCESSORY CONSOLE	SAME AS E106.
E109	ACCESSORY CONSOLE	SAME AS E106.
E110	ACCESSORY CONSOLE	SAME AS E106.
E111	ACCESSORY CONSOLE	SAME AS E106.
E121	DENTAL LIGHT CABINET	PROVIDE 1 INCH FLEXIBLE CONDUIT ROUTED CONCEALED FROM DENTAL LIGHT POWER SUPPLY BOX TO BASE OF ACCESSORY CONSOLE VIA WALL. COORDINATE EXACT LOCATION OF HOLE OUTLET IN UPPER CABINET WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS AND DENTAL EQUIPMENT DRAWINGS.
E122	MONITOR CABINET	PROVIDE SURFACE MOUNTED DUPLEX RECEPTACLE AT 60 INCHES AFF INSIDE UPPER CABINET FOR CONNECTION TO MONITOR. COORDINATE EXACT LOCATION OF RECEPTACLE IN UPPER CABINET WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS AND DENTAL EQUIPMENT DRAWINGS.
E196	X-RAY FIRING BUTTON	PROVIDE SINGLE GANG JUNCTION BOX AT 60 INCHES AFF AND 3/4 INCH CONDUIT FROM JUNCTION BOX TO ACCESSIBLE CEILING SPACE VIA WALL FOR ROUTING OF X-RAY LOW VOLTAGE CONTROL WIRING. REFER TO EQUIPMENT (EQ) DRAWINGS FOR EXACT LOCATION.
E197	X-RAY	PROVIDE TWO-GANG JUNCTION BOX AT 43 INCHES AFF FOR HARDWARE CONNECTION TO X-RAY (SFLA, 120V). PROVIDE 101 INCH CONDUIT FROM JUNCTION BOX TO ACCESSIBLE CEILING SPACE VIA WALL. REFER TO MANUFACTURER'S INSTRUCTIONS FOR ROUTING OF LOW VOLTAGE CABLE.



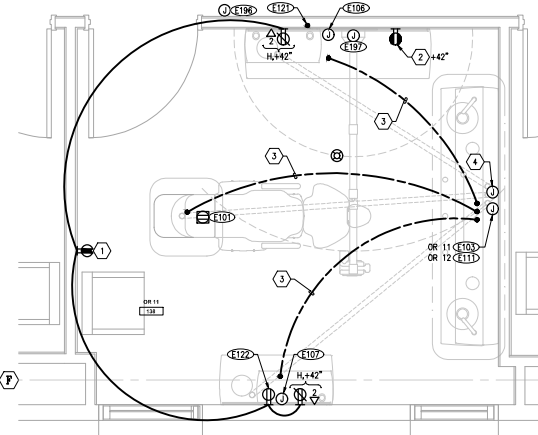
2 ENLARGED PLAN - TYP OF OR 5, 6 & 7

E504 SCALE: 1/2" = 1'-0"



1 ENLARGED PLAN - TYP OF OR 8, 9 & 10

E504 SCALE: 1/2" = 1'-0"



3 ENLARGED PLAN - TYP OF OR 11 & 12

E504 SCALE: 1/2" = 1'-0"



GENERAL NOTES

- REFER TO DENTAL EQUIPMENT DRAWINGS FOR ADDITIONAL INFORMATION.
- COORDINATE DEVICE LOCATIONS WITH DENTAL CASEWORK/EQUIPMENT PROVIDER SHOP DRAWINGS. COORDINATE FINAL CONDUIT QUANTITIES, ROUTING, AND TERMINATION LOCATIONS WITH DETAILED DENTAL SHOP DRAWINGS. PROVIDE COMBINED ELECTRICAL AND DENTAL SHOP DRAWING INCLUDING ELEVATIONS TO ENGINEER OF RECORD FOR REVIEW AND APPROVAL. PRIOR INSTALLATION.
- REFER TO SHEET E202 FOR CIRCUIT DESIGNATION PER ROOM.

SHEET NOTES

- PROVIDE SINGLE-GANG JUNCTION BOX VERTICALLY MOUNTED AT 18 INCHES AFF. PROVIDE 100 INCH CONDUIT ROUTED CONCEALED FROM JUNCTION BOX TO CEILING VIA WALL.
- PROVIDE SINGLE-GANG JUNCTION BOX VERTICALLY MOUNTED AT 72 INCHES AFF. PROVIDE 100 INCH CONDUIT ROUTED CONCEALED FROM JUNCTION BOX TO CEILING AND TO FLOOR VIA WALL.
- PROVIDE SINGLE-GANG JUNCTION BOX HORIZONTALLY MOUNTED AT 34 INCHES AFF. PROVIDE SINGLE-GANG JUNCTION BOX VERTICALLY MOUNTED AT 56 INCHES AFF. PROVIDE 100 INCH CONDUIT ROUTED CONCEALED BETWEEN JUNCTION BOXES VIA WALL. PROVIDE 100 INCH CONDUIT ROUTED FROM UPPER JUNCTION BOX TO CEILING VIA WALL.
- PROVIDE CONDUIT IN ACCORDANCE WITH DENTAL EQUIPMENT SCHEDULE. ROUTE CONDUIT VIA ACCESSIBLE CEILING SPACE BELOW FIRE STOP INTERIOR OF CONDUIT AT ACCESSIBLE CEILING SPACE WITH REMOVABLE INTUMESCENT FIRE STOP CAULK TO RESTORE FLOOR FINISH.
- PROVIDE ONE 6 INCH MULTI-TECHNOLOGY POKE-THRU WITH (2) DUPLEX RECEPTACLE FOR CHARGING DENTAL CHAIR. WIREMOLD LEDRAD EVOLUTION SERIES POKE-THRU.
- PROVIDE NEMA 5-20R RECEPTACLE WITH USB CHARGER, CATALOG #HBL USESOMON OR APPROVED EQUAL.
- PROVIDE FLUSH MOUNTED JUNCTION BOX ACCESSIBLE FROM DENTAL CASEWORK AT 2 INCHES AFF TO BOTTOM OF BOX WITH 2 INCH TOP KNOCKOUT RACO 200 OR AS APPROVED, WITH 2 INCH GROMMETTED FACE PLATE. PROVIDE 3 INCH CONDUIT FROM BOX ROUTED IN WALL STUBBED TO ACCESSIBLE CEILING SPACE.
- CONNECT PATIENT SEDATION MONITOR TO PANEL S. PANEL S LOCATED IN BASEMENT ELEC 00B. REFER TO SHEET E202 FOR ADDITIONAL CIRCUIT INFORMATION.

DENTAL EQUIPMENT SCHEDULE

ID	DESCRIPTION	REQUIREMENTS
E101	DENTAL CHAIR	PROVIDE QUAD ELECTRICAL BOX SURFACE MOUNTED ON FLOOR FOR CONNECTION TO DENTAL CHAIR. PROVIDE 100 INCH CONDUIT ROUTED CONCEALED UNDERFLOOR TO ACCESSIBLE CEILING SPACE VIA WALL. PROVIDE 100 INCH CONDUIT ROUTED CONCEALED BETWEEN DENTAL CHAIR AND TREATMENT CONSOLE (E103) FOR LOW VOLTAGE PATHWAY.
E103	TREATMENT CONSOLE	PROVIDE TWO-GANG JUNCTION BOX FOR HARDWARE CONNECTION TO TREATMENT CONSOLE. PROVIDE 100 INCH CONDUIT UNDERFLOOR BETWEEN CONSOLE AND DENTAL CHAIR (E101). PROVIDE 100 INCH CONDUIT UNDERFLOOR BETWEEN CONSOLE AND ACCESSORY CONSOLE(S) SHOWN.
E106	ACCESSORY CONSOLE	PROVIDE TWO-GANG JUNCTION BOX FOR HARDWARE CONNECTION TO ACCESSORY CONSOLE. PROVIDE 100 INCH CONDUIT UNDERFLOOR BETWEEN ACCESSORY CONSOLE AND TREATMENT CONSOLE SHOWN.
E107	ACCESSORY CONSOLE	SAME AS E106.
E112	ACCESSORY CONSOLE	SAME AS E106.
E113	ACCESSORY CONSOLE	SAME AS E106.
E121	DENTAL LIGHT - CABINET	PROVIDE 1 INCH FLEXIBLE CONDUIT ROUTED CONCEALED FROM DENTAL LIGHT POWER SUPPLY BOX TO BASE OF ACCESSORY CONSOLE VIA WALL. COORDINATE EXACT LOCATION OF HOLE CUTOUP IN UPPER CABINET WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS AND DENTAL EQUIPMENT DRAWINGS.
E122	MONITOR - CABINET	PROVIDE SURFACE MOUNTED DUPLEX RECEPTACLE AT 60 INCHES AFF INSIDE UPPER CABINET FOR CONNECTION TO MONITOR. COORDINATE EXACT LOCATION OF RECEPTACLE IN UPPER CABINET WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS AND DENTAL EQUIPMENT DRAWINGS.
E127	CEILING EXAM LIGHT	CONNECT IN ACCORDANCE WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS. LOAD: 1.5 AMP, 120 VOLT
E196	X-RAY FIRING BUTTON	PROVIDE SINGLE GANG JUNCTION BOX AT 60 INCHES AFF AND 3/4 INCH CONDUIT FROM JUNCTION BOX TO ACCESSIBLE CEILING SPACE VIA WALL FOR ROUTING OF X-RAY LOW VOLTAGE CONTROL WIRING. REFER TO EQUIPMENT (EQ) DRAWINGS FOR EXACT LOCATION.
E197	X-RAY	PROVIDE TWO-GANG JUNCTION BOX AT 43 INCHES AFF FOR HARDWARE CONNECTION TO X-RAY (SFLA, 120V). PROVIDE 100 INCH CONDUIT FROM JUNCTION BOX TO ACCESSIBLE CEILING SPACE VIA WALL. REFER TO MANUFACTURER'S INSTRUCTIONS FOR ROUTING OF LOW VOLTAGE CABLE.

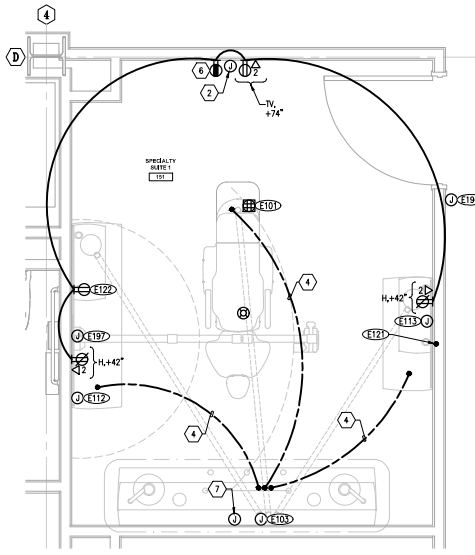
Revisions

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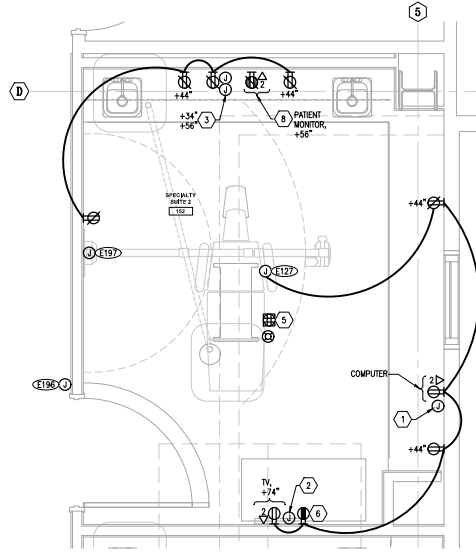
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Sheet Contents
ENLARGED PLANS -
SPECIALTY SUITES

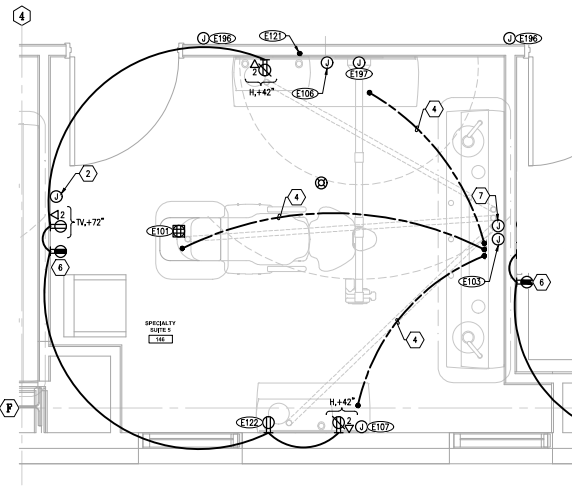
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E505



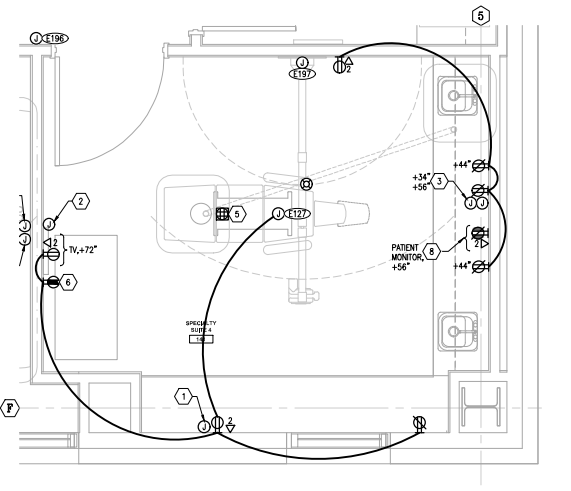
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E505 SCALE: 1/2" = 1'-0"



2 ENLARGED PLAN - SPECIALTY SUITE 2 & 3
E505 SCALE: 1/2" = 1'-0"

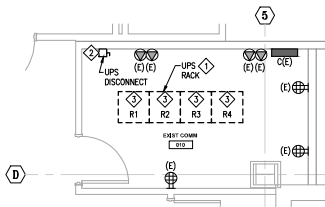


3 ENLARGED PLAN - SPECIALTY SUITE 5
E505 SCALE: 1/2" = 1'-0"

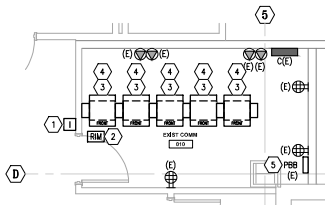


4 ENLARGED PLAN - SPECIALTY SUITE 4
E505 SCALE: 1/2" = 1'-0"

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1 ENLARGED TELECOM ROOM PLAN-DEMO
 E506 SCALE: 1/4" = 1'-0"



2 ENLARGED TELECOM ROOM PLAN
 E506 SCALE: 1/4" = 1'-0"

GENERAL NOTES

- WARNING: SCF IT GROUP DATA INFRASTRUCTURE IS LOCATED IN THIS ROOM. COORDINATE WITH SCF IT GROUP AND PROVIDE PHASING AND CUT OVER FOR REVIEW AND APPROVAL PRIOR TO WORK IN THIS ROOM. PROVIDE TEMPORARY POWER, CONNECTIVITY, CABLING, ETC. AS REQUIRED TO ELIMINATE OR MINIMIZE DOWNTIME.

DEMOLITION NOTES

- DEMOLISH UPS IN RACK, INCLUDING CONDUIT AND CONDUCTORS BACK TO UPS DISCONNECT.
- DEMOLISH UPS DISCONNECT, INCLUDING CONDUIT AND CONDUCTORS BACK TO SOURCE AND MAKE SAFE.
- COORDINATE WITH SCF IT GROUP AND DEMOLISH EXISTING RACKS. PROVIDE TEMPORARY RACK, MOUNTS, CABLING, CONNECTIVITY, ETC. AS REQUIRED TO MAINTAIN SCF EQUIPMENT IN OPERATION FOR DURATION OF THE CONSTRUCTION. PROVIDE SUFFICIENT SLACK IN CABLING TO BE ABLE TO RELOCATE EQUIPMENT TO FINAL LOCATION WITHOUT DISCONNECTION.

SHEET NOTES

- CONNECT SMS RIM ENCLOSURE POWER SUPPLY TO CIRCUIT INDICATED. REFER TO SPECIAL SYSTEMS FLOOR PLANS FOR LOCATION OF RIM ENCLOSURES.
- PROVIDE ACS RIM AND RIM ENCLOSURE FOR THE DOOR(S) AS SHOWN. PROVIDE REQUIRED POWER SUPPLIES, CONDUIT, WIRE, TERMINAL BLOCKS ETC. FOR A COMPLETE AND FUNCTIONING SYSTEM IN ACCORDANCE WITH THE SPECIFICATIONS, APPLICABLE CODES AND STANDARDS. LOCATE ENCLOSURE ABOVE DOOR IN ACCESSIBLE CEILING SPACE OR IN APPROVED CENTRALIZED LOCATION. REFER TO SPECIFICATION FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
- PROVIDE TWO DOUBLE DUPLEX RECEPTACLES AND EXTEND EXISTING CIRCUIT TO ABOVE RACK. LOCATE RECEPTACLES 12 INCHES ABOVE TOP OF RACK.
- COORDINATE WITH SCF IT GROUP TO RELOCATE ACTIVE EQUIPMENT INTO NEW RACKS.
- BOND RACKS, AC UNIT, CABLE TRAY, CONDUIT, AND OTHER METAL HOUSED EQUIPMENT TO PFB WITH MINIMUM #6AWG GREEN INSULATED COPPER CONDUCTORS.

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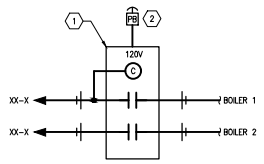
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No.	Description	Date

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Sheet Contents
 ENLARGED PLANS -
 GARAGE BASEMENT

Sheet No.
E506

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DETAIL NOTES

① PROVIDE SQUARE "D" ELECTRICALLY HELD CONTACTOR, 2 POLE, 20AMP, 120V WITH HDA SWITCH AND ON/OFF PILOT LIGHT. LOCATE CONTACTOR IN BOILER ROOM 011. PROVIDE ENGRAVED NAMEPLATE ON CONTACTOR, "BOILER SHUTDOWN".

② PROVIDE 2 POSITION PUSH-PULL, LED ILLUMINATED, RED KNOB WITH "PUSH EMERGENCY STOP" PRINTED ON KNOB, MUSHROOM TYPE BUTTON. SQUARE "D" MODEL #8001H99FLUR002, FOR REMOTE SHUTDOWN OF AUTOMATICALLY FIRED BOILERS IN ACCORDANCE WITH ASME CSD-1-2009. PROVIDE FLIP UP POLYCARBONATE COVER SUCH THAT LIFTING UP ON THE COVER WILL GAIN ACCESS TO EMERGENCY SHUT DOWN BUTTON. PROVIDE LABEL TO READ "BOILER EMERGENCY SHUTDOWN SWITCH". CONNECT EMERGENCY SHUTDOWN SWITCH IAW DETAIL 1 ON THIS SHEET. COORDINATE CONTROL SEQUENCE WITH DIVISION 20.

1
 E601 SCALE: NONE

DETAIL - BOILER EMERGENCY SHUTDOWN SWITCH

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SOUTH CENTRAL FOUNDATION
**SCF FIREWEED BUILDING
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 4341 TUDOR CENTRE DR

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Sheet Contents
 DETAILS AND DIAGRAMS

Sheet No.
E601