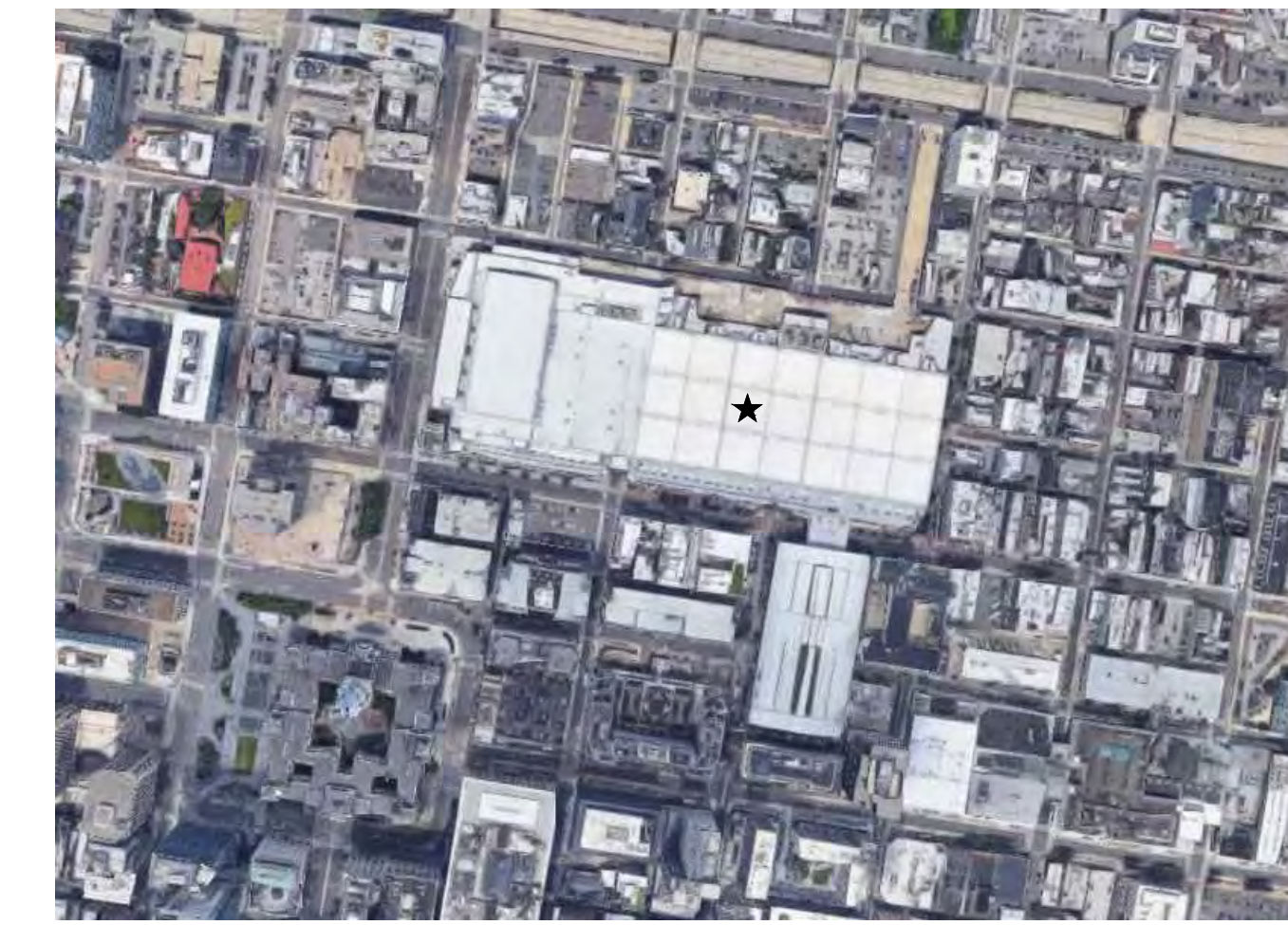


AREA MAP



SITE MAP



PENNSYLVANIA CONVENTION CENTER AUTHORITY
1101 ARCH STREET
PHILADELPHIA, PA 19107

PCCA WiFi UPGRADES

ARORA ENGINEERS INC.
PROJECT NUMBER 128620.001

ISSUE DATE SEPTEMBER, 2021

ARORA ENGINEERS, INC.
1600 MARKET STREET
SUITE 1630
PHILADELPHIA, PA. 19103
215.372.1365

DATE

SHEET LIST TABLE with columns for Sheet Number and Sheet Title, listing sheets G0.000 through SS1.504.

SHEET LIST TABLE with columns for Sheet Number and Sheet Title, listing sheets SS2.100 through SS2.504.

SHEET LIST TABLE with columns for Sheet Number and Sheet Title, listing sheets SS3.100 through SS3.204B.

SHEET LIST TABLE with columns for Sheet Number and Sheet Title, listing sheets SS3.205A through SS3.504B.

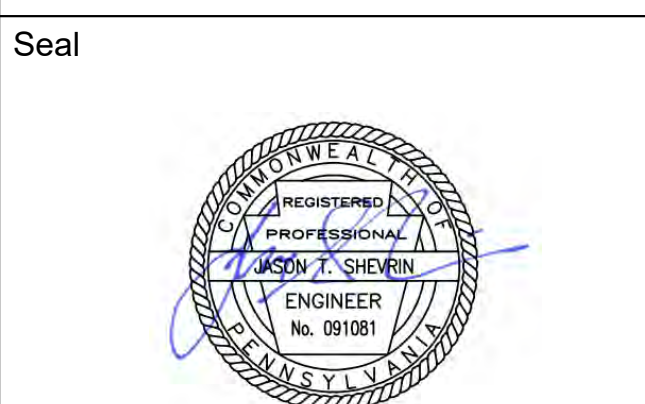
SHEET LIST TABLE with columns for Sheet Number and Sheet Title, listing sheets SS4.001 through SS4.023.

SHEET LIST TABLE with columns for Sheet Number and Sheet Title, listing sheets SS5.001 through SS7.003.

Professional Engineer information for ARORA ENGINEERS, INC. including address and contact details.



Key Plan



Revisions:

Table with columns for NO., DESCRIPTION, and DATE for revisions.

PCCA WiFi UPGRADES
1101 ARCH STREET
PHILADELPHIA, PA 19107
PENNSYLVANIA CONVENTION CENTER AUTHORITY (PCCA)

COVER SHEET

Project Number 128620.001
Date 2022-09-29
Drawn By TB
Checked By EH

G0.000

Scale AS NOTED

100% SUBMISSION

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GENERAL NOTES:

- THESE DRAWINGS DESCRIBE THE GENERAL REQUIREMENTS FOR THE INSTALLATION OF WIRELESS ACCESS POINT UPGRADE FOR THE PHILADELPHIA CONVENTION CENTER AUTHORITY. THE PROJECT INCLUDES FURNISHING, INSTALLATION AND TESTING OF THE COMPONENTS FOR THE SPECIAL SYSTEMS INSTALLATION AS DESCRIBED HEREIN AND IN THE SPECIFICATIONS.
- PRIOR TO ACCEPTANCE OF THE INSTALLATION, ALL SYSTEMS SHALL BE TESTED, AND OPERATED TO DEMONSTRATE TO THE OWNER, OR THEIR DESIGNATED REPRESENTATIVE, THAT THE INSTALLATION AND PERFORMANCE OF THESE SYSTEMS AND/OR PARTS THEREOF CONFORM TO THE DESIGN INTENT.
- CONTRACTOR DRAWINGS ARE DIAGRAMMATIC AND ARE INTENDED TO CONVEY SCOPE, DESIGN INTENT, AND GENERAL ARRANGEMENT ONLY. CONTRACTOR IS RESPONSIBLE FOR COORDINATING THE WORK OF ALL TRADES INCLUDING RESOLUTION OF FIELD CONFLICTS THAT MAY ARISE. CONTRACTOR SHALL BE RESPONSIBLE FOR VISITING THE SITE TO DETERMINE ACTUAL PHYSICAL SIZE, CAPACITIES, AND LOCATIONS OF EXISTING EQUIPMENT TO BE REMOVED.
- CONTRACTOR SHALL BE RESPONSIBLE TO FIELD LOCATE AND IDENTIFY ALL EXISTING UTILITIES AND EXISTING CONDITIONS IN THE CONSTRUCTION AREA, WHETHER INDICATED ON DRAWINGS OR NOT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRS TO EXISTING UTILITIES, CABLES AND/OR FACILITIES DAMAGED DURING CONSTRUCTION. NO REPAIRS WILL BE ALLOWED FOR REPAIR AND/OR REPLACEMENT OF DAMAGED FACILITIES/UTILITIES.
- IN CONSTRUCTION AREAS THE CONTRACTOR IS RESPONSIBLE FOR PROTECTING CABLES DURING CONSTRUCTION. THE CONTRACTOR WILL PAY FOR ALL REASONABLE COSTS ASSOCIATED WITH THE REPAIR OF ANY DAMAGED CABLES.
- THE CONTRACTOR IS RESPONSIBLE FOR THE MAINTENANCE AND PROTECTION OF EXISTING CABLES WHICH PASS THROUGH THE CONSTRUCTION AREA BUT ARE NOT PART OF THE CONSTRUCTION SCOPE OF WORK. THE CONTRACTOR SHALL ENSURE THESE CABLES ARE PROTECTED AND THE SYSTEMS STAY FUNCTIONAL TO WHICH THEY ARE CONNECTED.
- FIELD VERIFY ALL EXISTING CONDITIONS, DIMENSIONS, AND LOCATIONS OF FINISHED CONSTRUCTION PRIOR TO FABRICATION AND INSTALLATION OF FIXTURES AND EQUIPMENT. PRIMARY SHOP DRAWINGS TO INCLUDE DISCREPANCIES WITH INTENDED INSTALLATION METHOD.
- THE ALTERATION OF THE EXISTING BUILDING IS WORK OF A COMPLEX NATURE WHICH WILL REQUIRE ACCURATE PLANNING, CAREFUL PREPARATION AND EXECUTION, ATTENTION TO DETAIL AND CLOSE SUPERVISION BY THE CONTRACTOR.
- ALL PENETRATIONS, BOTH NEW AND EXISTING, THROUGH DESIGNATED FIRE RATED WALLS, CEILINGS AND FLOOR SLABS (WHICH ARE 2-HOUR RATED) SHALL BE PROPERLY SEALED WITH APPROVED FIRE RATED STOPPING MATERIAL. CONTRACTOR SHALL SUBMIT PDF COPIES OF MANUFACTURER'S CATALOGS DATA AND INSTALLATION DETAILS FOR FIRE STOPPING TO THE ENGINEER FOR REVIEW AND APPROVAL PRIOR TO INSTALLATION.
- WHERE AN OUTLET BOX IS TO BE LOCATED IN A FIRE RATED PARTITION THE FOLLOWING SHALL BE MET:
 - THE OUTLET BOX SHALL BE METALLIC
 - THE OUTLET BOX SHALL NOT EXCEED 4"x4" OR 16 SQUARE INCHES
 - ALL SPACES BETWEEN THE OUTLET BOX AND THE PARTITION SHALL BE SEALED WITH APPROVED FIRESTOP MATERIALS
 - THE OUTLET BOX SHALL BE SEPARATED FROM OPENINGS ON THE OPPOSITE SIDE OF THE ASSEMBLY BY A MINIMUM OF 2" HORIZONTALLY WHERE UTILITIES, SYSTEMS, SWITCHES, PANELS, POWER SUPPLIES, ROUTERS AND/OR SERVICES REQUIRE SHUTDOWN FOR THE WORK TO BE PERFORMED, NOTIFY THE ENGINEER AND OWNER.
- ALL MATERIALS SHALL COMPLY WITH APPLICABLE CODES, ORDINANCES AND REGULATIONS.
- PATCH, REPAIR OR REPLACE EXISTING WORK/EQUIPMENT DISTURBED BY THIS CONTRACT WITH MATERIAL AND WORKMANSHIP MATCHING OR EQUAL TO THE CONDITION PRIOR TO THE NEW WORK. ANY MATCHING/REPAIRING SHALL BE PERFORMED BY THE CONTRACTOR AT NO COST TO THE PROJECT.
- PROVIDE ALL LABOR, MATERIAL, EQUIPMENT, INCIDENTALS, METHODS AND SERVICES REQUIRED TO INSTALL ALL WORK INDICATED COMPLETELY AND IN FULL OPERATION.
- ALL WORK SHALL BE IN CONFORMANCE WITH THE LATEST AND ALL APPLICABLE LAWS, CODES, AND REGULATIONS ADOPTED BY MUNICIPAL, COUNTY, STATE, FEDERAL AUTHORITIES, UTILITY COMPANIES, INSURANCE AGENCIES AND OTHER AUTHORITIES HAVING JURISDICTION OVER THE WORK, INCLUDING CURRENT ENVIRONMENTAL REGULATIONS, AND SHALL COMPLY WITH THE APPLICABLE LOCAL ELECTRICAL CODES, THE LATEST ADOPTED EDITION AND ANY APPLICABLE INDUSTRIAL CODES: NECA, NEC, NESC, NFPA, IEEE, ANSI/ISA.
- THE CONTRACTOR SHALL GUARANTEE THE ENTIRE INSTALLATION FOR A PERIOD OF ONE YEAR (EXCEPT WHERE EXTENSIONS OF THIS ONE YEAR PERIOD ARE NOTED) FROM THE DATE OF ACCEPTANCE OF THE SYSTEMS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR WORKMANSHIP, MATERIALS, MALFUNCTION OF EQUIPMENT OR UNSATISFACTORY PERFORMANCE, AND ALL OTHER WORK OR PARTS OF THE BUILDING DAMAGED THEREBY AS A RESULT OF WORK OF THE PROJECT BY THE CONTRACTOR, SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. CONTRACTOR SHALL PAY ALL REPAIR COSTS ACCORDINGLY WITHOUT ADDITIONAL COSTS TO THE OWNER.
- UNLESS OTHERWISE NOTED, ALL PARTS, EQUIPMENT, AND MATERIALS SHALL BE NEW AND SHALL BE SAME AND/OR UL APPROVED.
- COMPLETE ALL CUTTING AND PATCHING REQUIRED FOR THE INSTALLATION OF THE WORK. CUTTING AND PATCHING SHALL BE COMPLETED IN A NEAT AND WORKMANLIKE MANNER. PATCHING MATERIALS SHALL MATCH EXISTING MATERIALS TO THE GREATEST EXTENT POSSIBLE. PROVIDE TOUCH UP PAINT AS REQUIRED MATCHING PAINT FINISH & COLOR OF EXISTING ADJACENT AREAS.
- CORE DRILL OPENINGS THROUGH FLOORS FOR NEW CONDUIT PENETRATIONS AS REQUIRED. CORE DRILL OPENINGS SHALL BE SEALED WITH FIREPROOF/FIRE RATED MATERIAL. CORE DRILL 1/4" DIAMETER PULL OFF HOLE PRIOR TO CORE DRILLING IN ORDER TO LOCATE WHERE HOLE WILL FALL. CONTRACTOR SHALL NOT CORE DRILL THROUGH ANY STRUCTURAL BUILDING ELEMENTS SUCH AS COLUMNS OR BEAMS. TAKE PRECAUTIONS AS TO PROTECT AREAS BENEATH CORE DRILL AREA AND HAVE PERSONNEL AT THIS AREA IN ORDER TO CATCH CORE AND WATER THAT MAY ENTER AREAS BELOW. REPLACE ANY/ALL CEILING TILES THAT ARE DAMAGED DUE TO THIS WORK. THOROUGHLY CLEAN AREAS AFTER CORE DRILL WORK HAS BEEN COMPLETED.
- CONTRACTOR SHALL BE RESPONSIBLE FOR FURNISHING AND INSTALLING CABLEING. CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR FURNISHING AND INSTALLING CONDUIT OR METALLIC SURFACE FROM ALL EQUIPMENT DEVICE LOCATIONS TO DESIGNATED TERMINATION ROOMS. ALL NEW CABLEING SHALL BE INSTALLED IN CONDUIT OR 1" SURFACE RACEWAY WHEN EXPOSED.
- ALL ROUTES REQUIRED TO BE INSTALLED IN CONDUIT SHALL BE A MINIMUM OF 3/4" EMT CONDUIT OR 1" METALLIC SURFACE RACEWAY AND NO MORE THAN 40% FILLED.
- CONDUIT ROUTES, IF SHOWN, ARE SHOWN DIAGRAMMATICALLY. CONTRACTOR SHALL SELECT ACTUAL ROUTES FOR APPROVAL BY ENGINEER ON SHOP DRAWINGS, PRIOR TO INSTALLATION.
- THESE DRAWINGS MAY NOT SHOW ALL REQUIRED CONNECTIONS, PATCH CORDS, INTERCONNECTING CABLES, ETC. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE IN HIS BID PRICE ALL APPURTENANCES FOR A COMPLETE AND OPERATIONAL SYSTEM THAT MEETS THE SYSTEMS DESIGN REQUIREMENTS, WHETHER OR NOT SHOWN ON THE DRAWINGS OR CALLED OUT IN THE SPECIFICATIONS.
- DIMENSIONS TAKE PRECEDENCE OVER SCALE.
- CONTRACTOR WORKING WITH OWNER SHALL PROVIDE FINAL CONNECTIONS TO OWNER PROVIDED EQUIPMENT AS INDICATED ON THE PLANS.
- ALL REQUESTS FOR INFORMATION SHALL BE FORMALLY SUBMITTED TO THE ENGINEER WITH A COVER SHEET AND NUMERICAL TRACKING SYSTEM. PICTURES AND DIAGRAMS SHALL ACCOMPANY REQUESTS FOR COMPLETE CLARITY OF THE ISSUE. RFTS WILL BE RETURNED WITHIN 7 DAYS WITH A RESPONSE OR A REQUEST FOR FURTHER DISCUSSION.
- ALL SUBMITTALS SHALL BE FORMALLY SUBMITTED TO THE ENGINEER WITH A COVER SHEET AND NUMERICAL TRACKING SYSTEM. SUBMITTALS WILL BE RETURNED WITHIN 14 DAYS AFTER REVIEW.
- CHANGE ORDER REQUESTS SHALL BE FORMALLY SUBMITTED TO THE ENGINEER WITH A COVER SHEET AND NUMERICAL TRACKING SYSTEM. PICTURES AND DIAGRAMS AND A COMPLETE WRITTEN DESCRIPTION, PROPOSED SOLUTION AND SCHEDULE IMPACT SHALL ACCOMPANY REQUESTS FOR COMPLETE CLARITY OF THE ISSUE. A COST BREAKDOWN WILL BE REQUIRED THAT SEPARATELY DEFINES MATERIAL, TIME (HOURS AND RATE), OVERHEAD AND PROFIT. WORK DEFINED WITHIN CONTRACT DOCS THAT WILL BE ELIMINATED BY PROPOSED SOLUTION SHALL DEDUCTED AND A SIMILAR COST BREAKDOWN SHALL BE PROVIDED.
- INSTALLATION OF CATEGORY 6A UTP CABLE SHALL BE IN ACCORDANCE WITH EIA/TIA GUIDELINES. CABLE INSTALLATION AND TERMINATIONS THAT DO NOT COMPLY SHALL BE REPLACED BY THE CONTRACTOR AT NOT ADDITIONAL COST TO THE OWNER.
- THE MAXIMUM PULLING TENSION FOR A SINGLE CABLE SHALL NOT EXCEED 25 POUNDS.
- THE MINIMUM BENDING RADIUS OF THE CABLE SHALL NOT BE LESS THAN 4X THE OUTSIDE DIAMETER OF THE CABLE.

- THE CABLE SHALL BE INSTALLED WITHOUT KINKS OR TWISTS AND THE APPLICATION OF CABLE TIES SHALL NOT DEFORM THE CABLE BUNDLE. CONDUITS SHALL TRANSITION INTO CABLE TRAYS USING CONDUIT END BELLS. NO CABLE SHALL BE INSTALLED OVER ROUGH CONDUIT EDGES IN ANY TRANSITION.
- CABLES SHALL BE TESTED PER THE SPECIFICATIONS. CABLES WHICH DO NOT PASS TESTS SHALL BE REPLACED, OR RECIFIED BY THE CONTRACTOR AT NO ADDITIONAL COST.
- THE CONTRACTOR SHALL NOT INSTALL ANY NEW CATEGORY 6 CABLE AT LENGTHS GREATER THAN 90 METERS FROM PATCH PANEL TO OUTLET BOX. THE CONTRACTOR SHALL BEING ANY CONDITIONS EXCEEDING THE CABLE LIMIT DISTANCE TO THE ENGINEER.
- THE CONTRACTOR SHALL NOT BE ALLOWED ANY STORAGE AREA OTHER THAN THAT AVAILABLE WITHIN THE LIMITS OF THE STAGING AREA OR CONFINES OF THE WORK AREA.
- A COPY OF THE CURRENT SET OF CONTRACT DOCUMENTS (WITH AS-BUILT INFORMATION) SHALL BE KEPT AT THE JOB SITE AT ALL TIMES BY THE CONTRACTOR.
- REVIEW ALL PROJECT REQUIREMENTS PRIOR TO BIDDING. DISCREPANCIES BETWEEN DOCUMENTS SHALL BE REPORTED.
- CONTRACTOR SHALL, UPON COMPLETION OF THE WORK, SUBMIT AS-BUILT RECORD DRAWINGS SHOWING ALL CHANGES FROM THE CONTRACT DRAWING MADE IN THE INSTALLATION, AND SHOWING DIMENSION LOCATIONS OF CONCEALED EQUIPMENT.
- PRIOR TO DELIVERY OF ANY MATERIALS TO THE SITE, THE CONTRACTOR SHALL PROVIDE MATERIAL SAFETY DATA SHEETS FOR ALL ITEMS AND MATERIALS USED IN THE WORK.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WORK NOTED ON THE DRAWINGS.
- PRIOR TO ACCEPTANCE OF THE SPACE, ALL SYSTEMS SHALL BE TESTED, BALANCED, AND OPERATED TO DEMONSTRATE TO THE OWNER, OR HIS DESIGNATED REPRESENTATIVE, THAT THE INSTALLATION AND PERFORMANCE OF THESE SYSTEMS AND/OR PARTS THEREOF CONFORM TO THE DESIGN INTENT.
- THE CONTRACTOR SHALL SECURE A PAY FOR ALL PERMITS, INSPECTION CERTIFICATES, ETC. REQUIRED UNDER THE PROJECT SCOPE.
- ALL EXPOSED CABLE IN PUBLIC VIEW SHALL BE IN CONDUITS PAINTED 2x WITH COLOR MATCHING THE BACKDROP. ALL CABLE ABOVE ACCESSIBLE CEILING SHALL BE RUN IN JACOBS OR OTHER FREE AIR SUPPORTING DEVICES. DEVICES SHALL BE SPACED EVERY 5 FEET. CABLES MAY NOT BE STRAPPED TO CONDUIT OR OTHER PIPING/SIGNAL DEVICES IN THE CEILING. CABLES MAY NOT BE ZIP TIED ONLY VELCRO TIES ARE ACCEPTABLE FOR BUNDLING.

WIRELESS NOTES:

- CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS & DIMENSIONS PRIOR TO CONSTRUCTION, AND NOTIFY ENGINEER OF RECORD OF ANY DISCREPANCIES BETWEEN THE PLANS & EXISTING CONDITIONS AND/OR POTENTIAL PROBLEMS OBSERVED PRIOR TO CONTINUING WORK.
- EACH NEW WIRELESS ACCESS POINT DEVICE WILL REQUIRE TWO (2) CAT6A DATA CABLE RUNS TO THE NEW CAT6A PATCH PANEL IN THE IDF ROOM.
- THE DATA CABLE SHALL BE CATEGORY (6A) CABLE, 23 AWG, 4-PAIR UNSHEATHED TWISTED PAIR, PLENUM RATED(CMP), WITH WHITE OUTER JACKET, TERMINATED WITH RJ-45 MINI-COM JACKS.
- FOR SUSPENDED T-BAR CEILING INSTALLATIONS, THE JACKS SHALL BE MOUNTED ON A DUAL-PORT SURFACE MOUNT BOX. THE ACCESS POINT SHALL BE ATTACHED TO THE CEILING T-BAR USING THE MOUNTING BRACKET SUPPLIED WITH THE ACCESS POINT UNIT. FOR HARD CEILING INSTALLATIONS, THE JACKS SHALL BE MOUNTED ON A SINGLE-GANG BOX/INSTALLED IN THE CEILING WITH A DUAL-PORT FACEPLATE.
- THE CONTRACTOR SHALL PATCH THE WAPS AS PER THE PATCH SCHEDULE PROVIDED BY PCCA OR AS REQUIRED WITH "ORANGE" PATCH CORDS.
- THE LOCATIONS OF WAPs AND CATEGORY 6A CABLE RUNS SHALL FOLLOW AS PER LAYOUT DRAWINGS OR WILL BE DETERMINED FOLLOWING AN RF SURVEY.
- THE WAPs SHALL BE INSTALLED AS PER THE MANUFACTURE INSTALLATION GUIDELINES BELOW CEILING AND HORIZONTALLY MOUNTED WITH LOGO FACING DOWNWARD. FOR WALL-MOUNTED INSTALLATION, "OVERCON" WALL-MOUNT BRACKET SHALL BE USED.
- CATEGORY 6A CABLES SHALL BE INSTALLED IN CONTINUOUS LENGTHS (NO SPLICES ALLOWED) FROM ORIGIN(JACK) TO PATCH PANEL AT POINT OF CONNECTION TO EQUIPMENT, USING THE SHORTEST ROUTE POSSIBLE. THE MAXIMUM HORIZONTAL CABLE LENGTH SHALL NOT EXCEED 295 FT.
- ALL WIRELESS ACCESS POINT(S/WAP) SHALL BE PLACED ACCORDING TO THE FLOOR PLAN PROVIDED WITH HEATMAPS, AND CEILING MOUNTED TO SECURE THE DEVICES FROM POTENTIAL DAMAGE AND TO ENSURE THE BEST COVERAGE AVAILABLE UNLESS OTHERWISE SPECIFIED IN THE DRAWINGS.
- THE COMMUNICATIONS CONTRACTOR SHALL FURNISH PATCH CORDS PER LENGTH, COLOR, AND QUANTITY AS SPECIFIED BY PCCA. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION AND DRESSING OF ALL PATCH CABLES IN THE IDF ROOM AND THE HALL AREA COLUMNS.
- ALL WAPs MOUNTED IN EXHIBIT HALLS, GRAND HALL, BALLROOMS, MEETING ROOMS, ANY FRONT OF HOUSE WALLS SHOULD NOT HAVE ANY EXPOSED CONDUIT OR CABLES.
- ALL EXTERIOR WALL MOUNTED WAPs SHOULD NOT HAVE EXPOSED CONDUIT AND CABLES.
- ALL EXHIBIT HALL COLUMN MOUNTED WAPs SHOULD NOT BE ANY LOWER THAN THE LOWEST OF THE EXISTING CEILING HUNG ITEMS (LIGHTS, CAMERAS, SPEAKERS, ETC.). CURRENT LOW CLEARANCE HEIGHTS SHOULD BE MAINTAINED IN ALL EXHIBIT HALLS:
 - A-E: 29 FEET
 - F: 19 FEET
 - G: 14 FEET

DEMO PLAN

- CONTRACTOR SHALL RUN NEW CAT6A CABLE TO NEW WAP LOCATIONS AND SHALL BE INSTALLED IN CONTINUOUS LENGTHS TO PATCH PANEL AT POINT OF CONNECTION TO EQUIPMENT.
- CONTRACTOR SHALL REPLACE AND MATCH ALL PATCH PANELS WITH CAT6A.
- CONTRACTOR SHALL REPLACE EXISTING WAPs WITH CISCO OR BETTER WAP MODELS.

TESTING

- ALL DATA DROPS SHALL BE TESTED AND CERTIFIED. CONTRACTOR TO PROVIDE TEST RESULTS FOR ALL DATA DROPS.

| DESCRIPTION | OVERALL WIRELESS ACCESS POINT QUANTITIES | | |
|--------------|--|-------------|------------|
| | EXISTING DEVICES | NEW DEVICES | NET CHANGE |
| ACCESS POINT | 282 | 495 | 213 |
| TOTAL | 282 | 495 | 213 |

| HEAT MAP SYMBOLS | | |
|------------------|---|---|
| | WIRELESS ACCESS POINT | EXISTING AND NEW WAP DEVICES |
| | WIRELESS ACCESS POINT | ADDITIONAL WAP DEVICES (CEILING-MOUNTED) PROVIDED TO INCREASE COVERAGE |
| | WIRELESS ACCESS POINT | ADDITIONAL WAP DEVICES (WALL-MOUNTED) PROVIDED TO INCREASE COVERAGE |
| | WIRELESS ACCESS POINT | ADDITIONAL WAP DEVICES PER DISCUSSION WITH STEPHEN SHEPPER |
| | ANTENNA DIRECTION | INDICATOR FOR ANTENNA ORIENTATION FOR WALL-MOUNTED AND CEILING-MOUNTED WAP DEVICE |
| | 2.4 GHz AND 5GHz RADIO CHANNEL ALLOCATION | XXX: 2.4 GHz (RECOMMENDED RADIO CHANNEL ALLOCATION); YYY: 5GHz (RECOMMENDED RADIO CHANNEL ALLOCATION) |

PHASING NOTES:

- CONTRACTOR SHALL COORDINATE WITH PCCA THE PHASING OF THE PROJECT AND SHALL ONLY OPERATE DURING THE HOURS ALLOWED BY PCCA TO MINIMIZE SERVICE DISRUPTION DURING THE REPLACEMENT OF EXISTING WAPs. FURTHERMORE, THE CONTRACTOR MAY BE REQUIRED TO WORK DURING AFTER HOURS TO COMPLETE THE PROJECT WITHIN THE TIMEFRAME ALLOTTED BY PCCA TO COMPLETE THE PROJECT.
- CONTRACTOR SHALL COORDINATE WITH PCCA ANY SCHEDULED ACTIVITIES FOR THE PUBLIC AND SHALL AVOID ANY DISRUPTION TO WIFI SERVICE.
- CONTRACTOR IS REQUIRED TO MAINTAIN WIFI COVERAGE AND PROVIDE MINIMAL DISRUPTION DURING THE INSTALLATION PROCESS.
- PCCA SHALL CONFIGURE THE SWITCHES TO PROVIDE ADDITIONAL VLAN ASSIGNMENTS FOR THE NEW WAP PLATFORM TO PROVIDE NO LOSS OF SERVICE DURING THE REPLACEMENTS OF EXISTING WAPs.

ABBREVIATIONS:

| | |
|------|---|
| AP | ACCESS POINT |
| DEM | DEMOLITION |
| IEEE | INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS |
| IDF | INTERMEDIATE DISTRIBUTION FRAME |
| MDF | MAIN DISTRIBUTION FRAME |
| PP | PATCH PANEL |
| POE | POWER OVER ETHERNET |
| SW | SWITCH |
| WAP | WIRELESS ACCESS POINT |

DEMOLITION LEGEND:

| DEVICE | NOTES |
|--------|--|
| | WIRELESS ACCESS POINT OUTLET; CEILING MOUNTED WIRELESS ACCESS POINT FOR REPLACEMENT. |
| | WIRELESS ACCESS POINT OUTLET; NON-CEILING MOUNTED WIRELESS ACCESS POINT FOR REPLACEMENT. |

TELECOMMUNICATIONS LEGEND:

| DEVICE | NOTES |
|--------|---|
| | WIRELESS ACCESS POINT OUTLET; CEILING MOUNTED WIRELESS ACCESS POINT, 1 JACK. PROVIDE (2)CAT6A CABLE TERMINATED TO ACCESS POINT AS PER MANUFACTURER REQUIREMENTS |
| | WIRELESS ACCESS POINT OUTLET; NON-CEILING MOUNTED WIRELESS ACCESS POINT, 1 JACK. PROVIDE (2)CAT6A CABLE TERMINATED TO ACCESS POINT AS PER MANUFACTURER REQUIREMENTS |
| | WIRELESS ACCESS POINT OUTLET; WALL MOUNTED WIRELESS ACCESS POINT, 1 JACK. PROVIDE (2)CAT6A CABLE TERMINATED TO ACCESS POINT AS PER MANUFACTURER REQUIREMENTS |

ANNOTATION LEGEND:

| | |
|--|--|
| | EXISTING ACCESS POINT: XXX - EXISTING AP NUMBER |
| | TELECOM ROOM ANNOTATION: X - DETAIL NUMBER Y - SHEET NUMBER Z - ROOM NAME |

GENERAL SYMBOLS:

| | |
|--|----------------------------|
| | DETAIL TAG |
| | EXISTING CONDITIONS |
| | DEMOLITION WORK |
| | NEW WORK |
| | MATCH LINE |
| | TELECOM SPACE/ROOM OUTLINE |

MEP / FP Engineer



ARORA ENGINEERS, INC.
1600 MARKET STREET, SUITE 1630
PHILADELPHIA, PA. 19103
215.372.1365

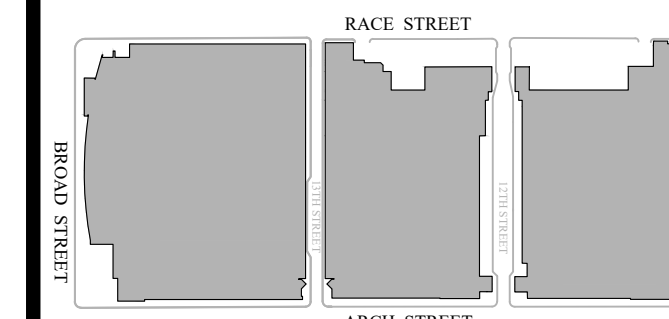
Architect

Civil Engineer

Structural Engineer



Key Plan



Seal



Revisions:

| NO. | DESCRIPTION | DATE |
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PCCA WiFi UPGRADES

1101 ARCH STREET
PHILADELPHIA, PA. 19107
PENNSYLVANIA
CONVENTION CENTER
AUTHORITY (PCCA)

SPECIAL SYSTEMS GENERAL NOTES, ABBREVIATIONS AND SYMBOLS

| | |
|----------------|------------|
| Project Number | 128620.001 |
| Date | 2022-04-29 |
| Drawn By | TB |
| Checked By | EH |

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Scale AS NOTED

100% SUBMISSION

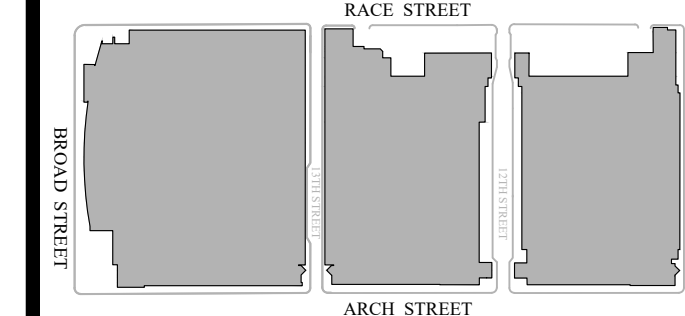
Architect

Civil Engineer

Structural Engineer



Key Plan



Seal



Revisions:

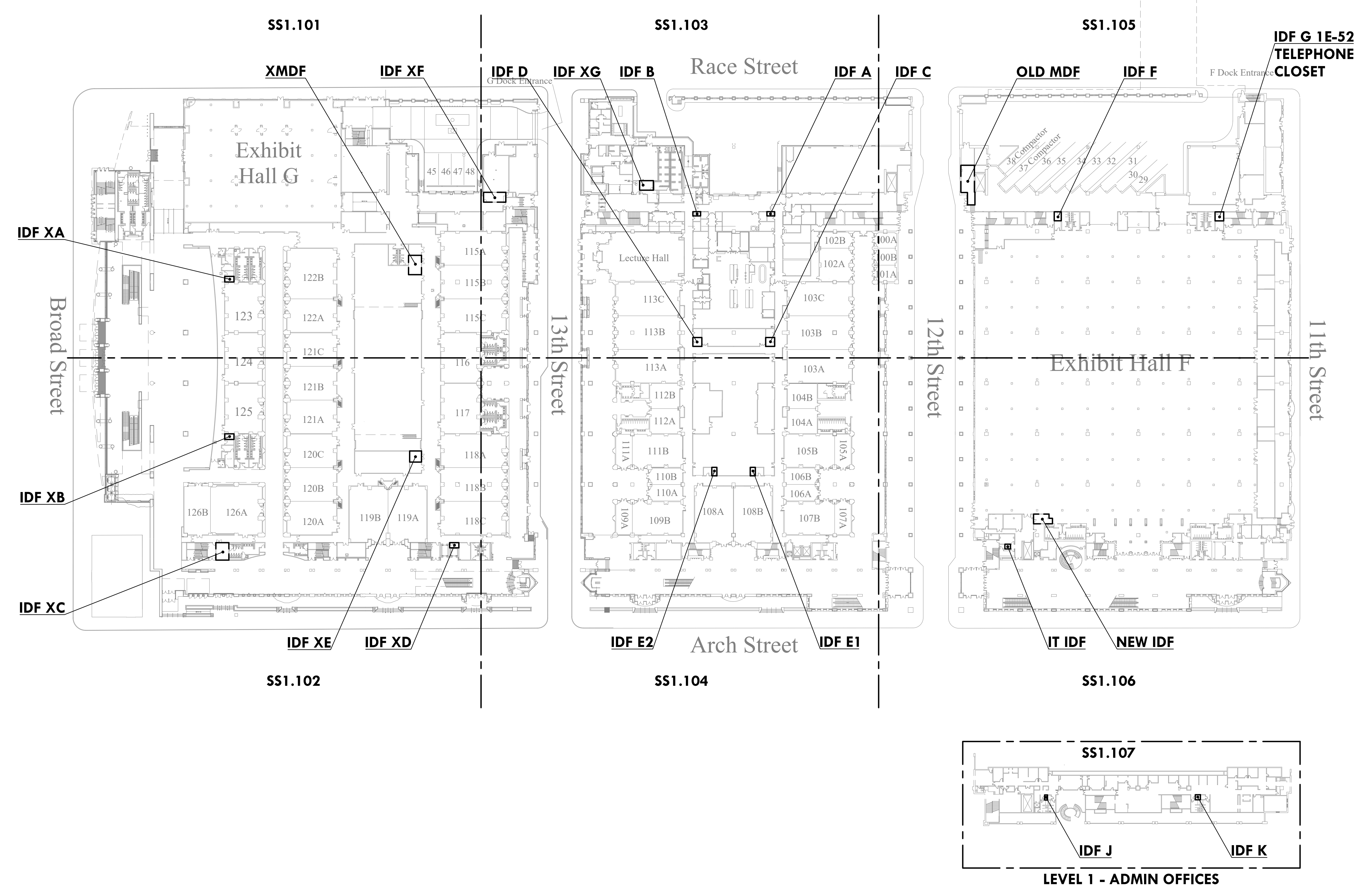
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PCCA WiFi UPGRADES
 1101 ARCH STREET
 PHILADELPHIA, PA. 19107
 PENNSYLVANIA
 CONVENTION CENTER
 AUTHORITY (PCCA)

LEVEL 1 OVERALL KEY PLAN

| | |
|----------------|------------|
| Project Number | 128620.001 |
| Date | 2022-08-29 |
| Drawn By | TB |
| Checked By | EH |

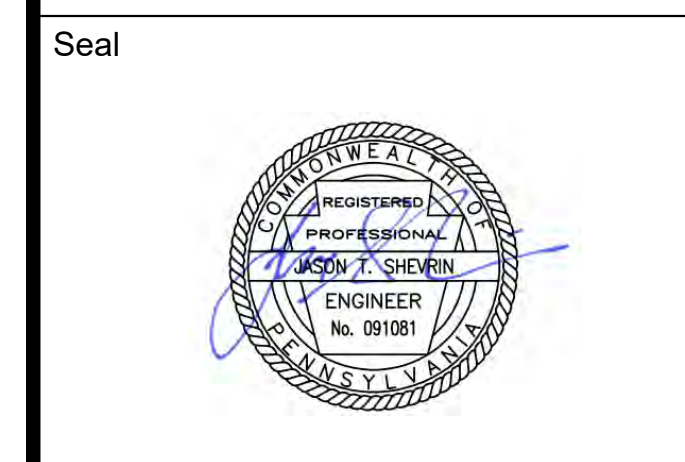
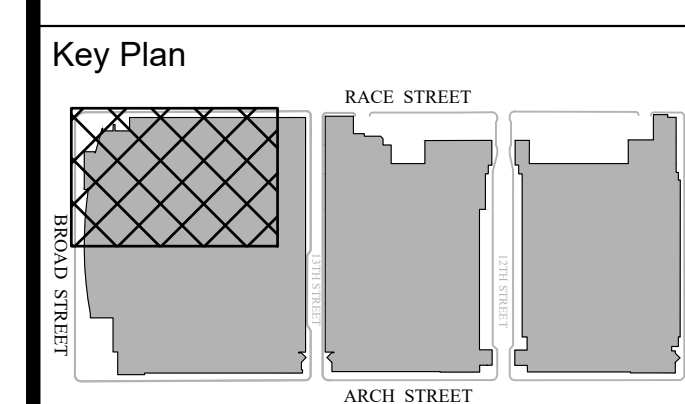
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 Scale AS NOTED



1 LEVEL 1 OVERALL KEY PLAN
 Scale: 1/64" = 1'-0"

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Revisions:

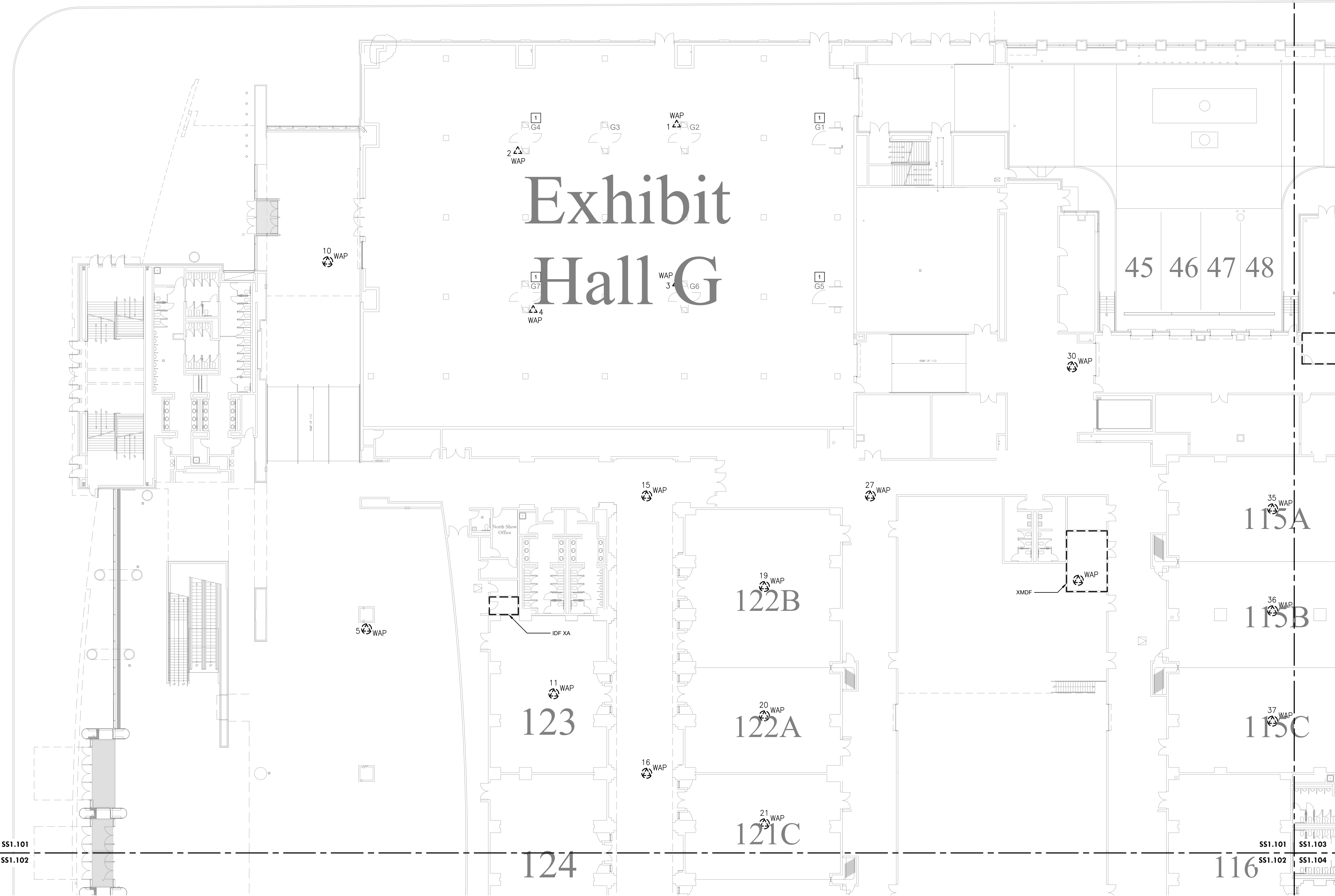
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PCCA WiFi UPGRADES
 1101 ARCH STREET
 PHILADELPHIA, PA. 19107
 PENNSYLVANIA
 CONVENTION CENTER
 AUTHORITY (PCCA)

LEVEL 1 - DEMOLITION WAP PLAN NW

| | |
|----------------|------------|
| Project Number | 128620.001 |
| Date | 2022-08-29 |
| Drawn By | TB |
| Checked By | EH |
| SS1.101 | |
| Scale | AS NOTED |

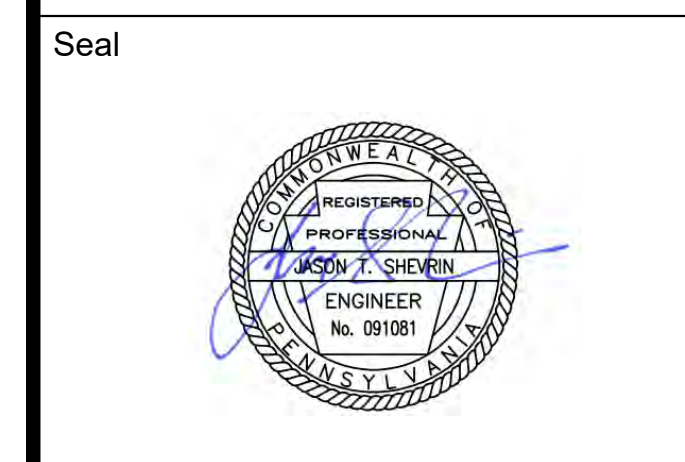
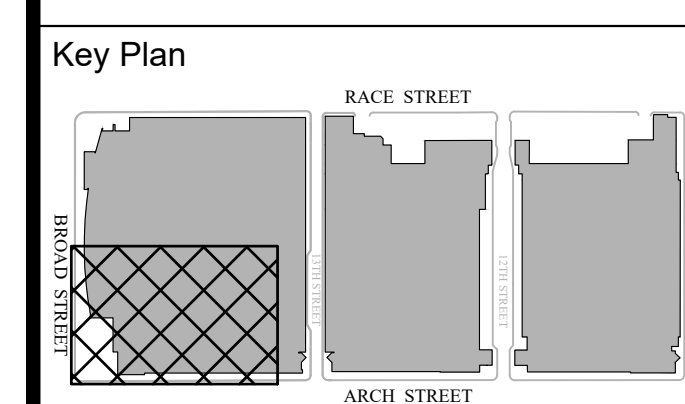
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1 LEVEL 1 - DEMOLITION WAP PLAN NW
 Scale: 1/16" = 1'-0"

- DEMOLITION NOTES:**
- CONTRACTOR TO DISCONNECT AND REMOVE ALL WAP. SET ASIDE AND PROVIDE TO OWNER. MAKE EXISTING CABLE READY FOR NEW WORK.
 - CONTRACTOR TO REMOVE CAT6A CABLING FROM CAT6 PATCH PANEL AND TERMINATE IT ON A NEW 24-PORT CAT6A PATCH PANEL FOR WIFI CABLING ONLY.

- KEYED NOTES [X]:**
- NETWORK SWITCH IS LOCATED INSIDE COLUMN FOR AP IN THE RESPECTIVE EXHIBIT HALL.



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PCCA WiFi UPGRADES
 1101 ARCH STREET
 PHILADELPHIA, PA. 19107
 PENNSYLVANIA
 CONVENTION CENTER
 AUTHORITY (PCCA)

LEVEL 1 - DEMOLITION WAP PLAN SW

Project Number 128620.001

Date **2022-08-29**

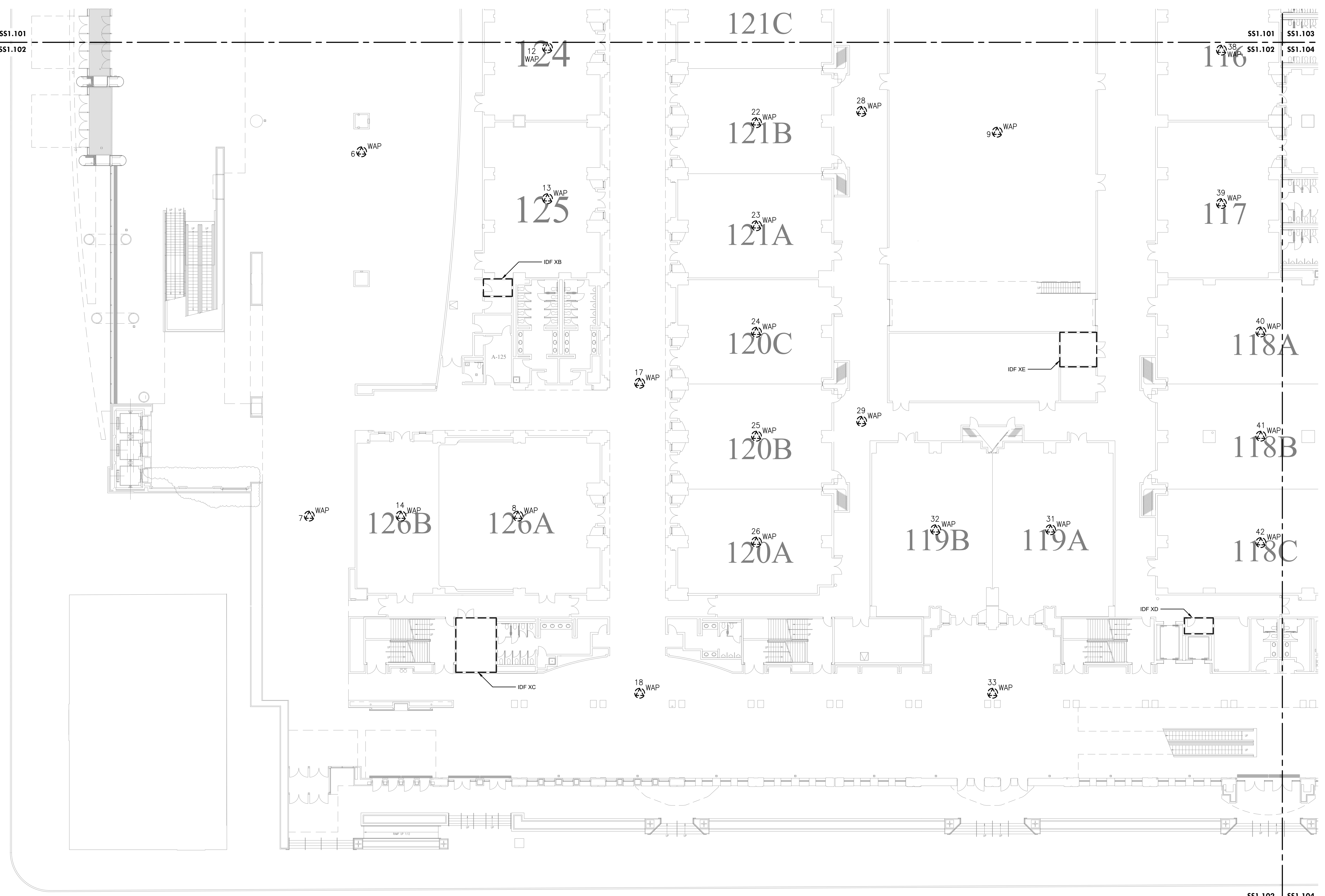
Drawn By TB

Checked By EH

SS1.102

Scale AS NOTED

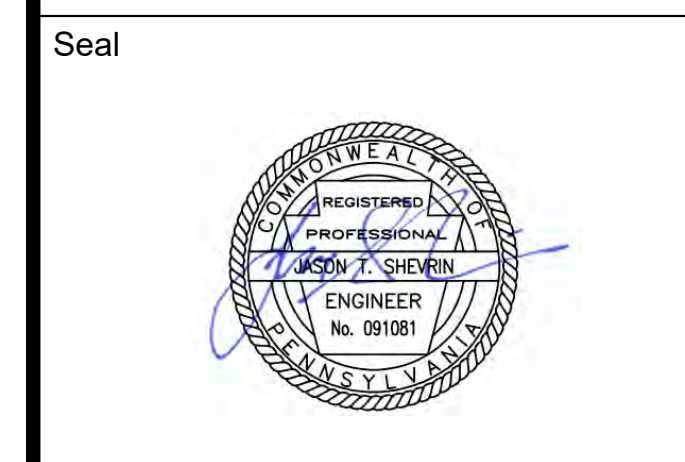
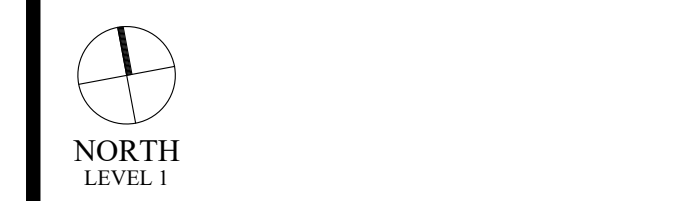
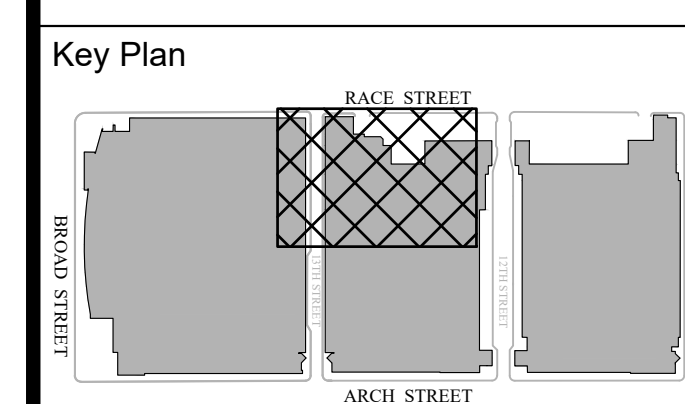
1 Street



1 LEVEL 1 - DEMOLITION WAP PLAN SW
 SS1.102 Scale: 1/16" = 1'-0"

- DEMOLITION NOTES:**
- CONTRACTOR TO DISCONNECT AND REMOVE ALL WAP. SET ASIDE AND PROVIDE TO OWNER. MAKE EXISTING CABLE READY FOR NEW WORK.
 - CONTRACTOR TO REMOVE CAT6A CABLING FROM CAT6 PATCH PANEL AND TERMINATE IT ON A NEW 24-PORT CAT6A PATCH PANEL FOR WIFI CABLING ONLY.

Race Street



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PCCA WiFi UPGRADES
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LEVEL 1 - DEMOLITION WAP PLAN NE

Project Number 128620.001

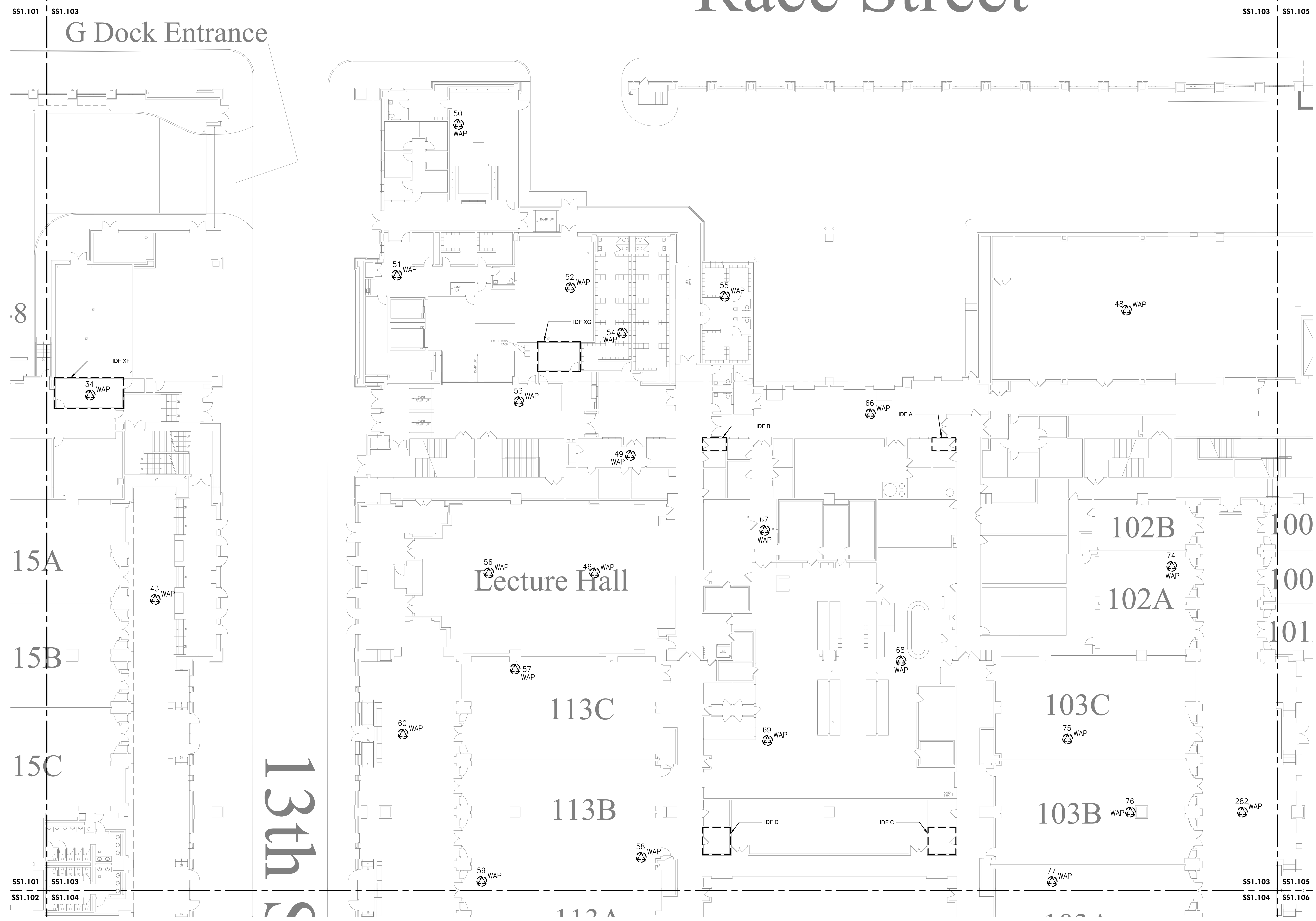
Date 2022-08-29

Drawn By TB

Checked By EH

Scale AS NOTED

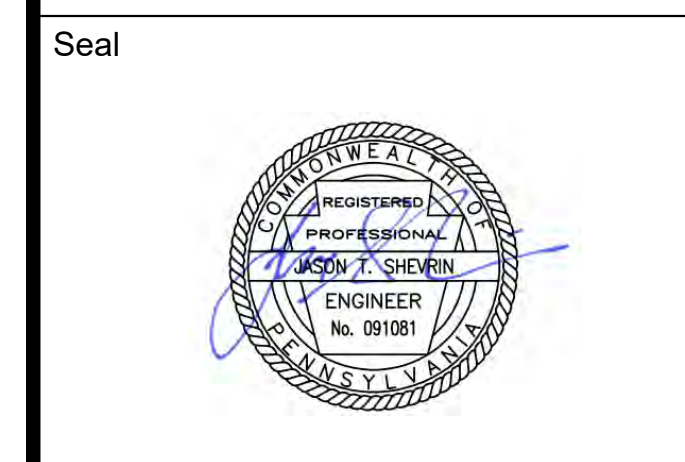
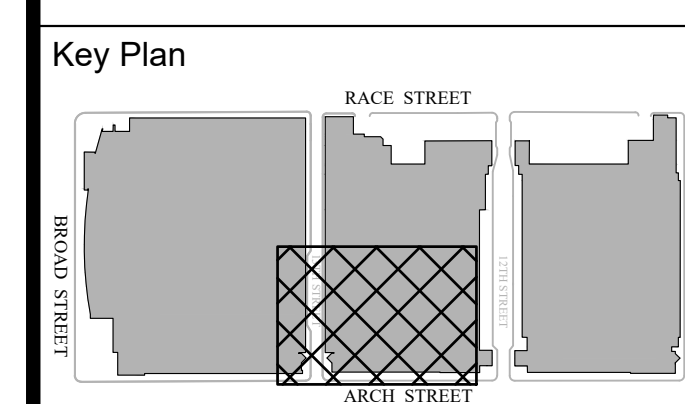
100% SUBMISSION



1 LEVEL 1 - DEMOLITION WAP PLAN NE
 Scale: 1/16" = 1'-0"

- DEMOLITION NOTES:**
- CONTRACTOR TO DISCONNECT AND REMOVE ALL WAP. SET ASIDE AND PROVIDE TO OWNER. MAKE EXISTING CABLE READY FOR NEW WORK.
 - CONTRACTOR TO REMOVE CAT6A CABLING FROM CAT6 PATCH PANEL AND TERMINATE IT ON A NEW 24-PORT CAT6A PATCH PANEL FOR WIFI CABLING ONLY.

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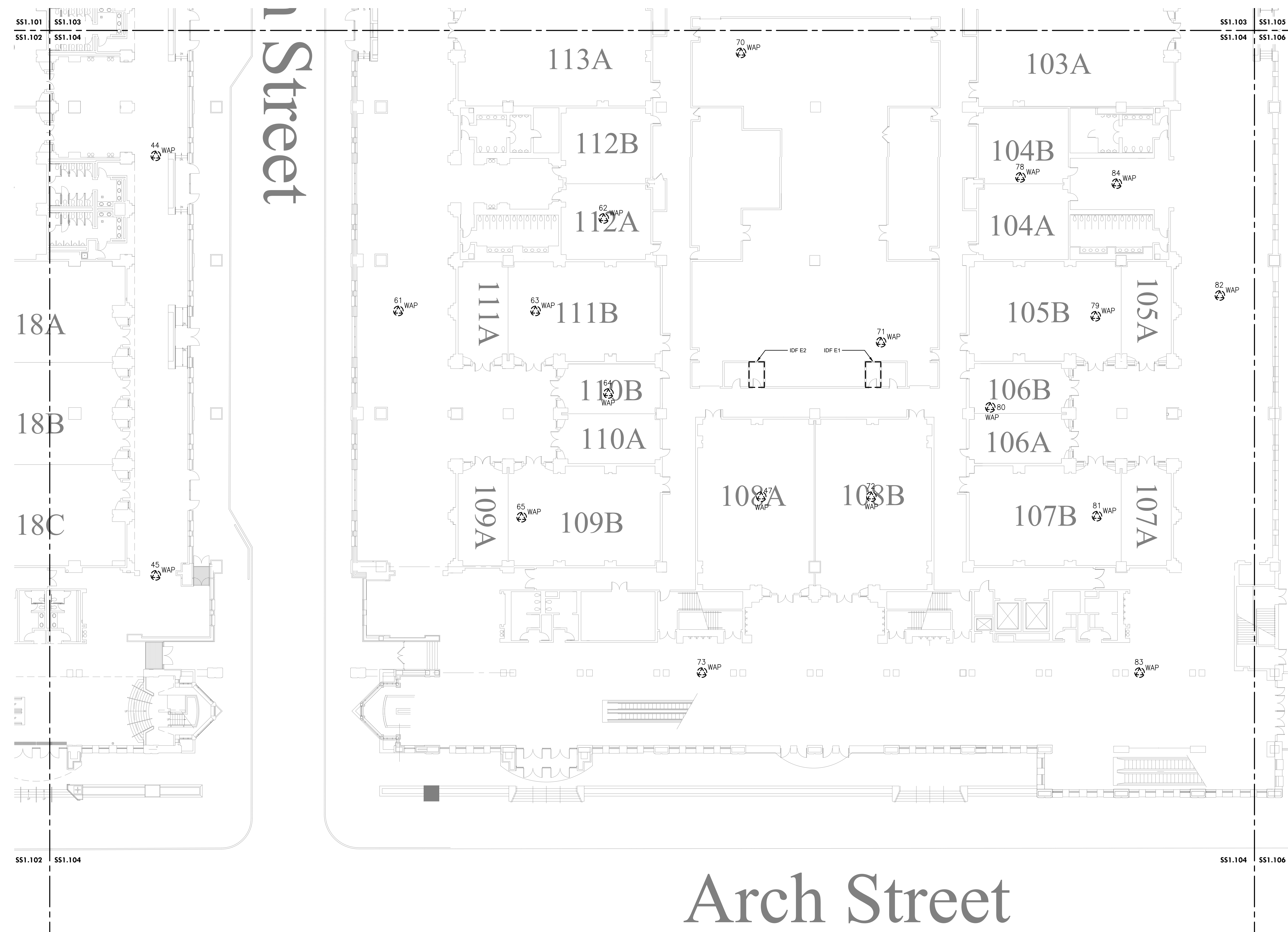
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PCCA WiFi UPGRADES
 1101 ARCH STREET
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LEVEL 1 - DEMOLITION WAP PLAN SE

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| Project Number | 128620.001 |
| Date | 2022-08-29 |
| Drawn By | TB |
| Checked By | EH |

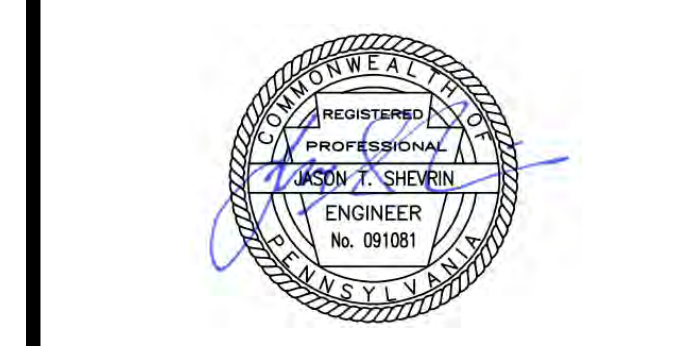
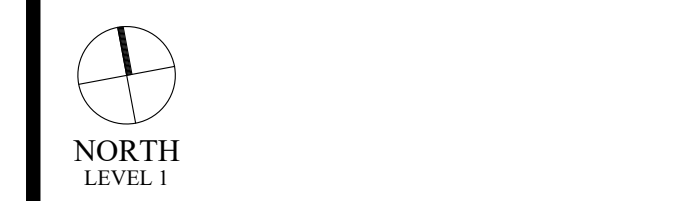
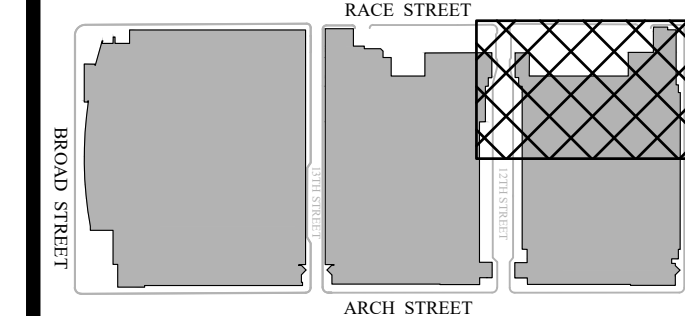
SS1.104
 Scale AS NOTED



Arch Street

1 LEVEL 1 - DEMOLITION WAP PLAN SE
 SS1.104 Scale: 1/16" = 1'-0"

- DEMOLITION NOTES:**
- CONTRACTOR TO DISCONNECT AND REMOVE ALL WAP. SET ASIDE AND PROVIDE TO OWNER. MAKE EXISTING CABLE READY FOR NEW WORK.
 - CONTRACTOR TO REMOVE CAT6A CABLING FROM CAT6 PATCH PANEL AND TERMINATE IT ON A NEW 24-PORT CAT6A PATCH PANEL FOR WIFI CABLING ONLY.



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LEVEL 1 - DEMOLITION WAP PLAN NE EXHIBIT HALL F

Project Number 128620.001

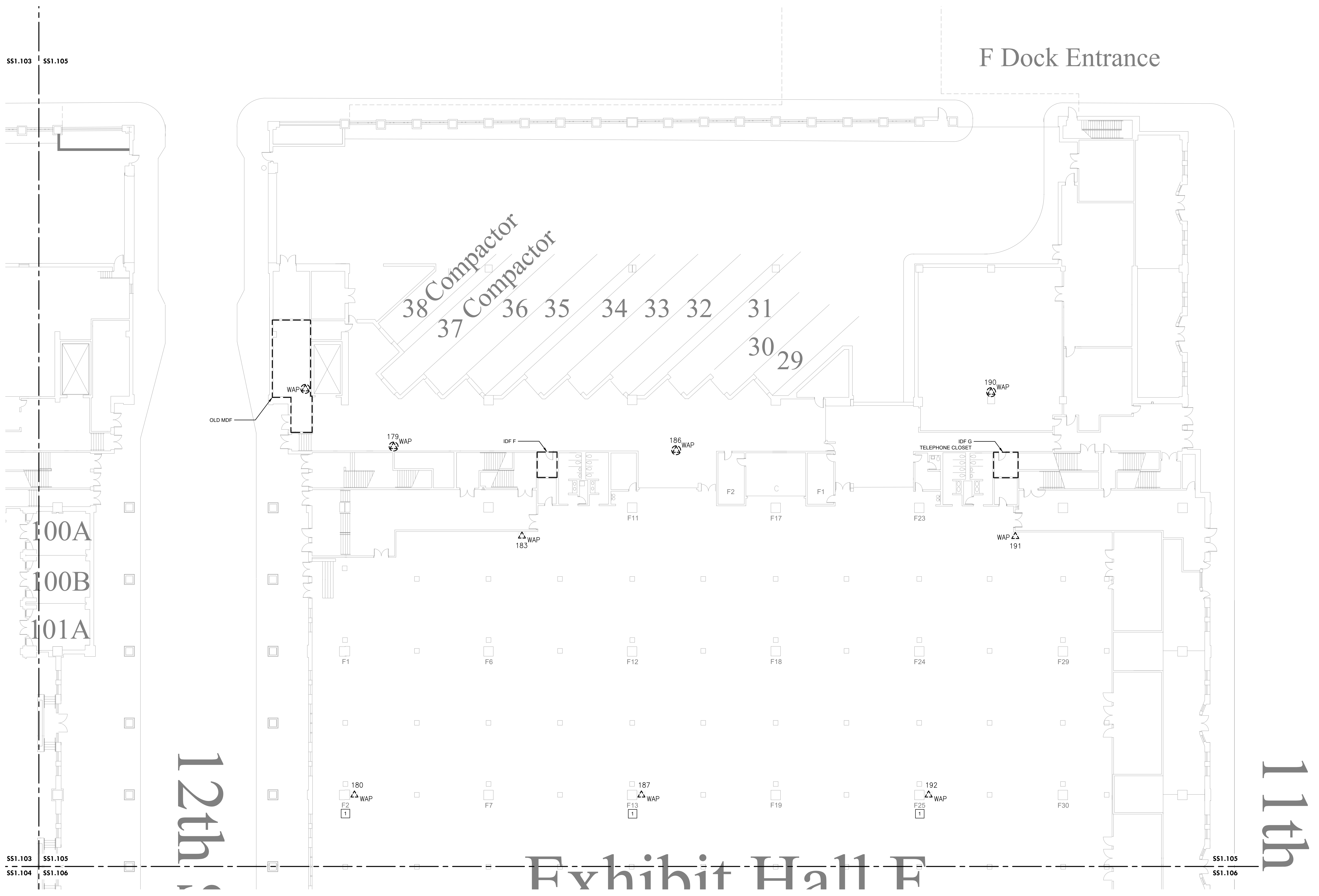
Date **2022-08-29**

Drawn By TB

Checked By EH

SS1.105

Scale AS NOTED



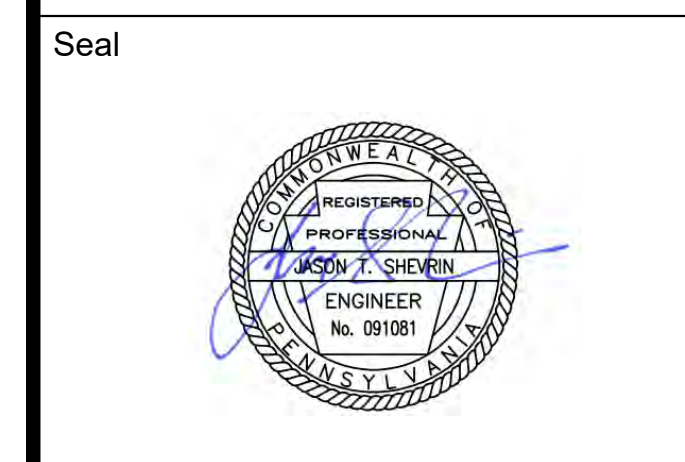
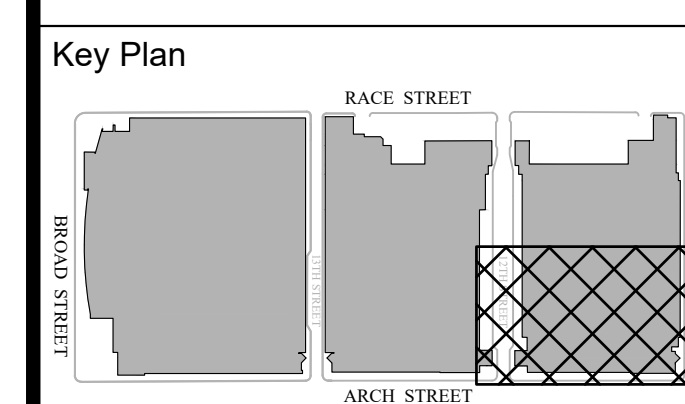
1 LEVEL 1 - DEMOLITION WAP PLAN NE EXHIBIT HALL F
 Scale: 1/16" = 1'-0"

- DEMOLITION NOTES:**
- CONTRACTOR TO DISCONNECT AND REMOVE ALL WAP. SET ASIDE AND PROVIDE TO OWNER. MAKE EXISTING CABLE READY FOR NEW WORK.
 - CONTRACTOR TO REMOVE CAT6A CABLING FROM CAT6 PATCH PANEL AND TERMINATE IT ON A NEW 24-PORT CAT6A PATCH PANEL FOR WIFI CABLING ONLY.

- KEYED NOTES [X]:**
- NETWORK SWITCH IS LOCATED INSIDE COLUMN FOR AP IN THE RESPECTIVE EXHIBIT HALL.

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LEVEL 1 - DEMOLITION WAP PLAN SE EXHIBIT HALL F

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| Project Number | 128620.001 |
| Date | 2022-08-29 |
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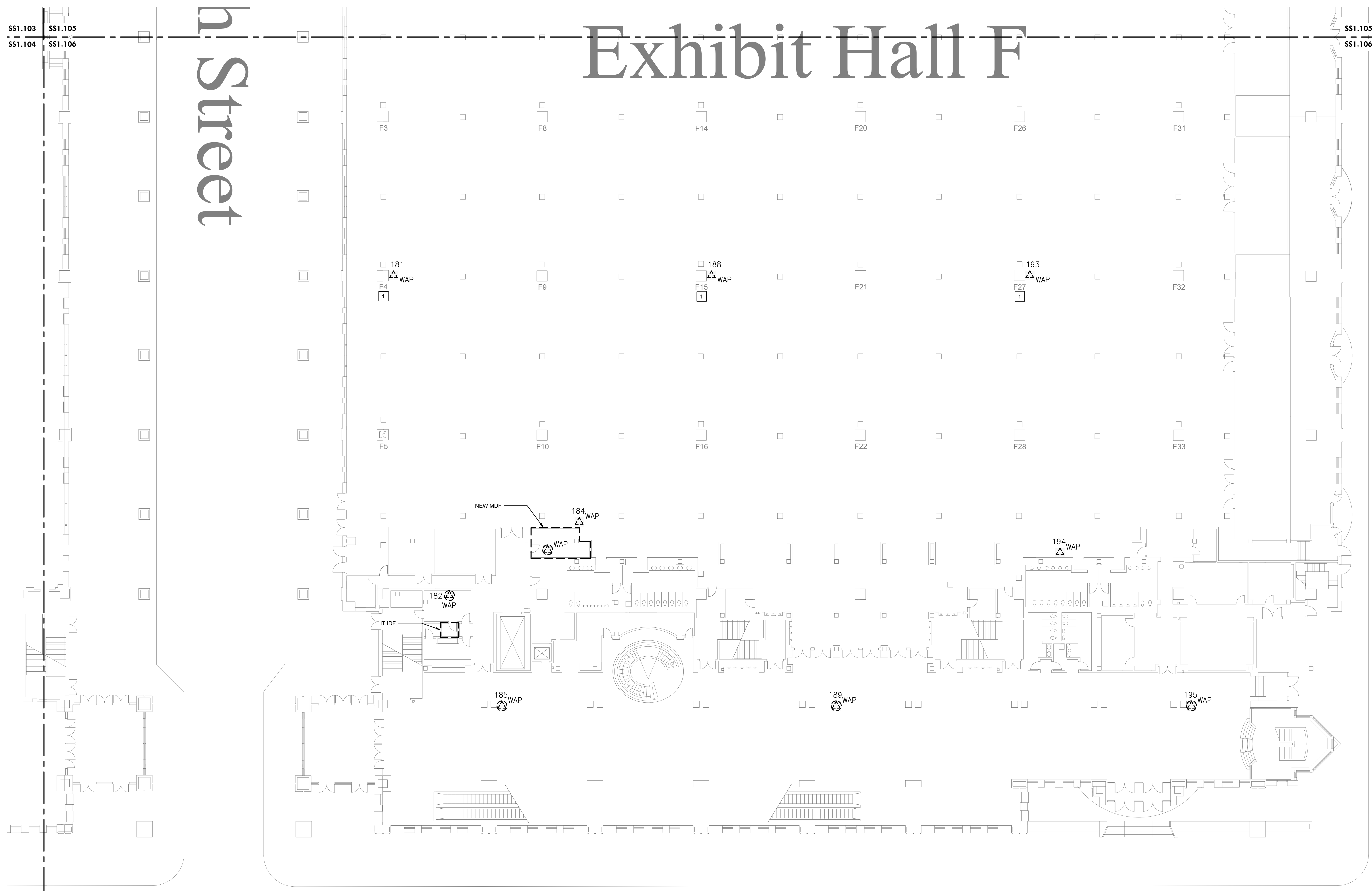
Exhibit Hall F

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SS1.103 SS1.105
 SS1.104 SS1.106

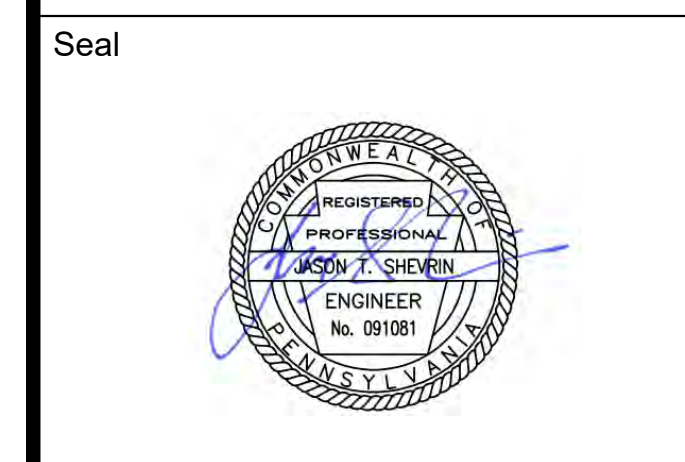
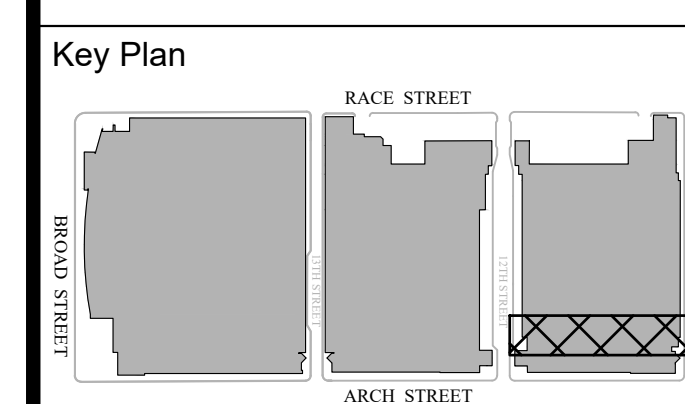
SS1.105 SS1.106



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 SS1.106 **LEVEL 1 - DEMOLITION WAP PLAN SE EXHIBIT HALL F**
 Scale: 1/16" = 1'-0"

- DEMOLITION NOTES:**
- CONTRACTOR TO DISCONNECT AND REMOVE ALL WAP. SET ASIDE AND PROVIDE TO OWNER. MAKE EXISTING CABLE READY FOR NEW WORK.
 - CONTRACTOR TO REMOVE CAT6A CABLING FROM CAT6 PATCH PANEL AND TERMINATE IT ON A NEW 24-PORT CAT6A PATCH PANEL FOR WIFI CABLING ONLY.

- KEYED NOTES [X]:**
- NETWORK SWITCH IS LOCATED INSIDE COLUMN FOR AP IN THE RESPECTIVE EXHIBIT HALL.



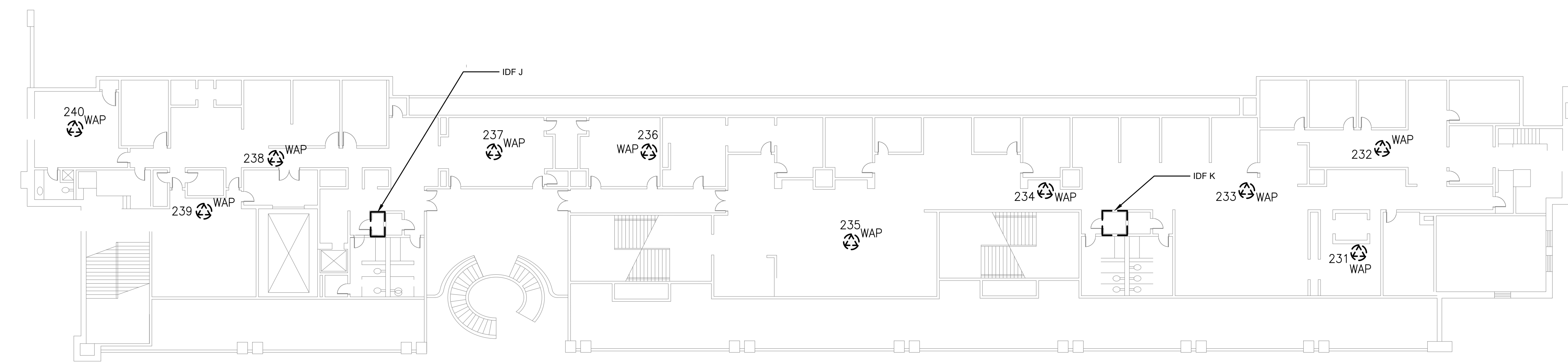
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LEVEL 1 - DEMOLITION WAP PLAN ADMIN OFFICES

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| Project Number | 128620.001 |
| Date | 2022-08-29 |
| Drawn By | TB |
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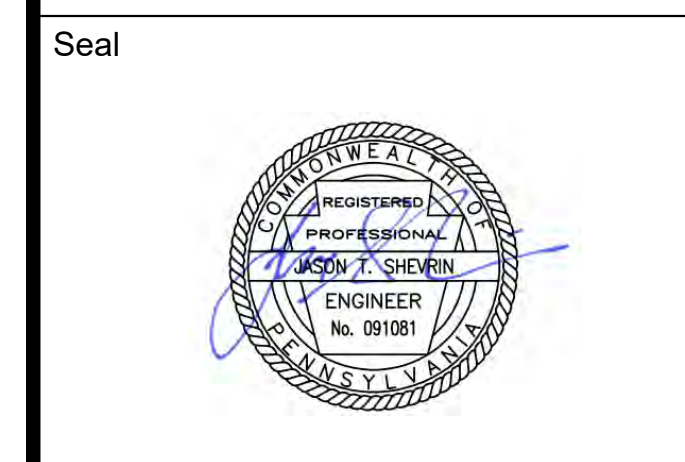
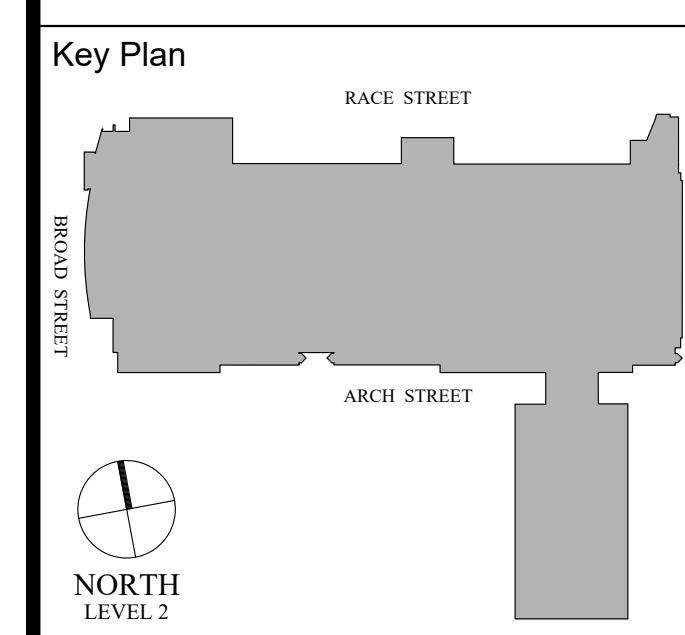
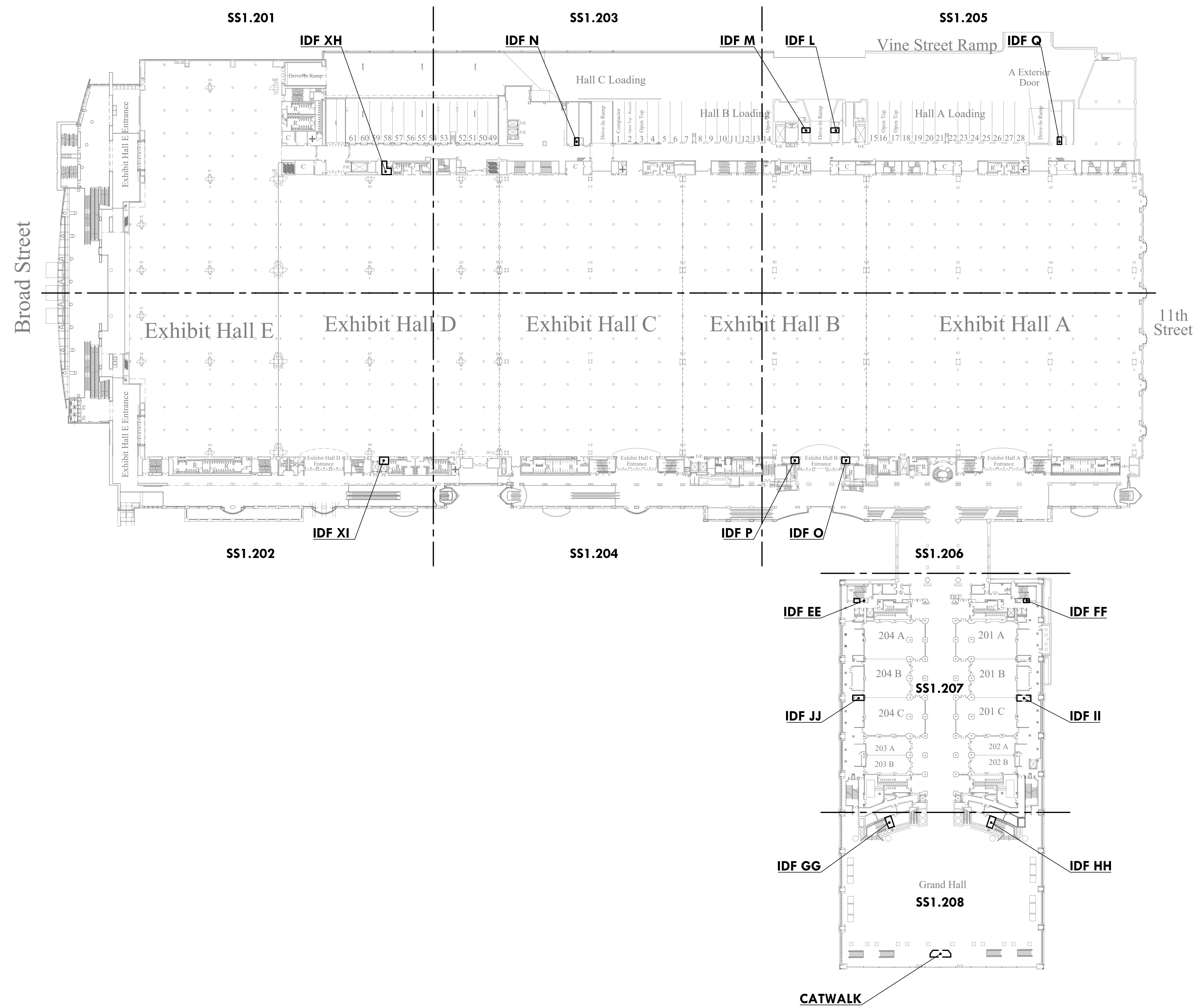


1 LEVEL 1 - DEMOLITION WAP PLAN ADMIN OFFICES
 SS1.107 Scale: 1/16" = 1'-0"

- DEMOLITION NOTES:**
- CONTRACTOR TO DISCONNECT AND REMOVE ALL WAP. SET ASIDE AND PROVIDE TO OWNER. MAKE EXISTING CABLE READY FOR NEW WORK.
 - CONTRACTOR TO REMOVE CAT6A CABLING FROM CAT6 PATCH PANEL AND TERMINATE IT ON A NEW 24-PORT CAT6A PATCH PANEL FOR WIFI CABLING ONLY.

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PCCA WiFi UPGRADES
 1101 ARCH STREET
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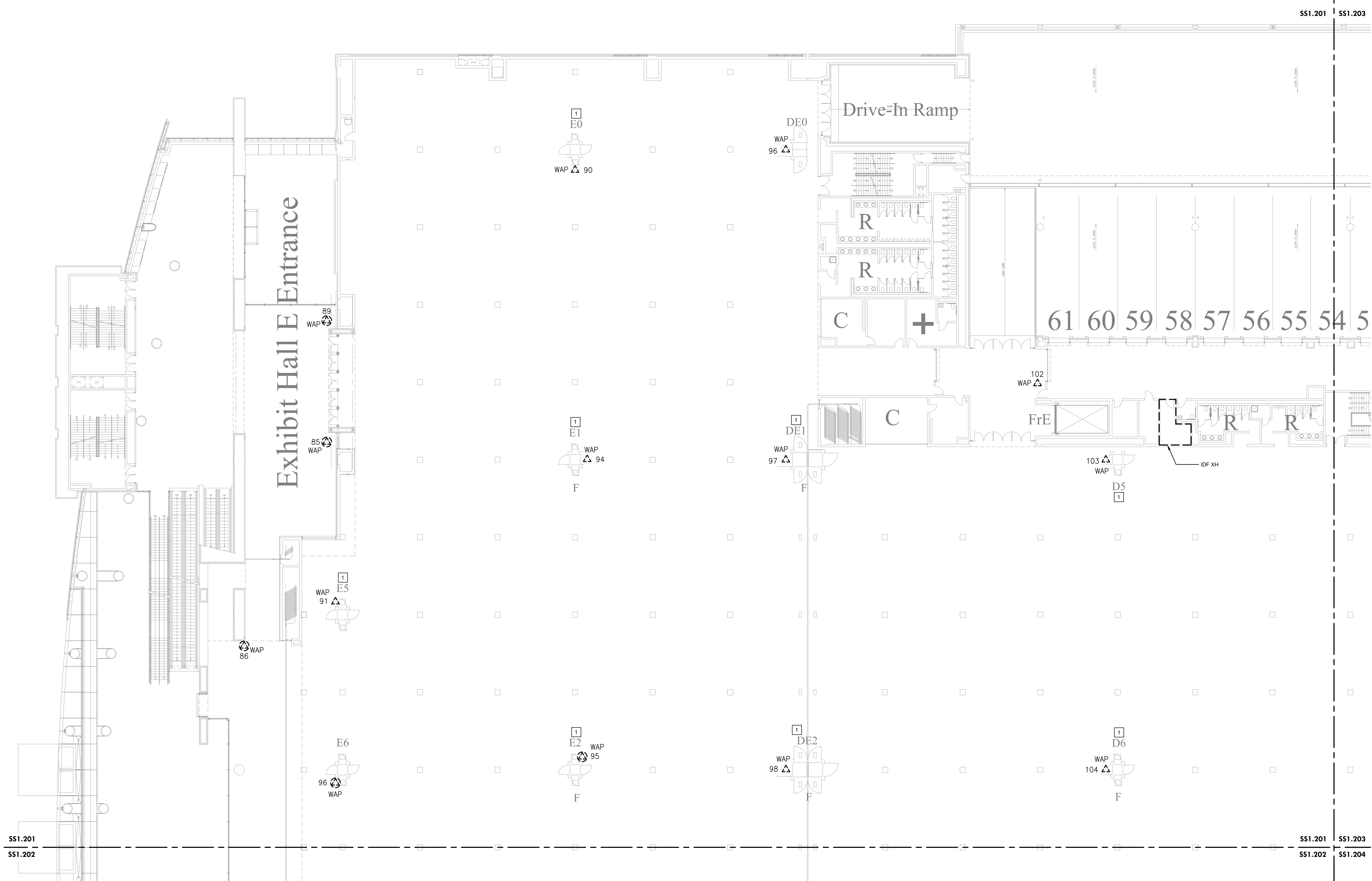
LEVEL 2 OVERALL KEY PLAN

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| Project Number | 128620.001 |
| Date | 2022-08-29 |
| Drawn By | TB |
| Checked By | EH |

SS1.200
 Scale AS NOTED

1 LEVEL 2 OVERALL KEY PLAN
 SS1.200 Scale: 1/64" = 1'-0"

Rad Street



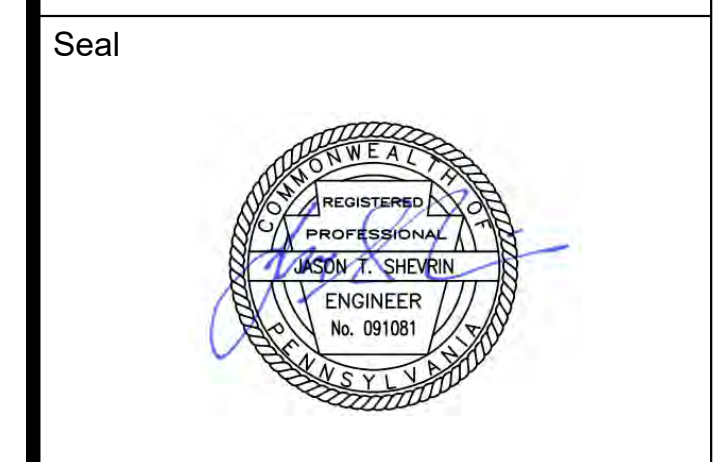
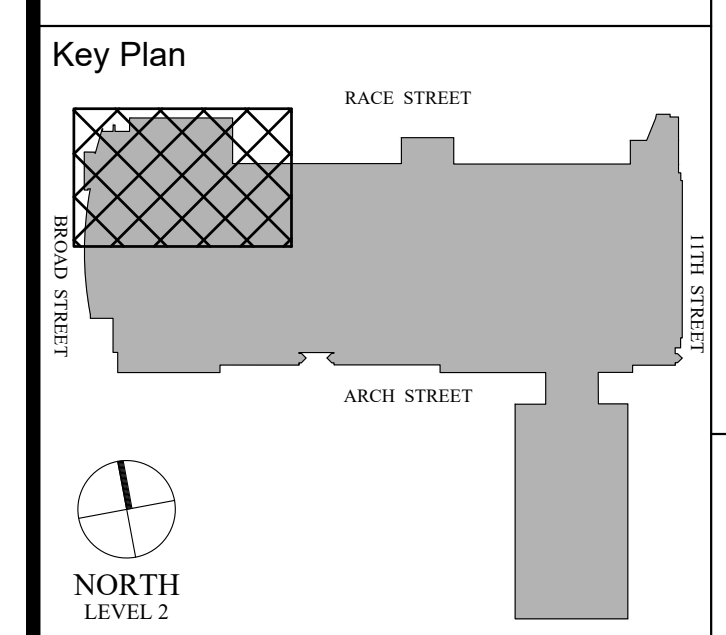
1 LEVEL 2 - DEMOLITION WAP PLAN NW
Scale: 1/16" = 1'-0"

DEMOLITION NOTES:

- CONTRACTOR TO DISCONNECT AND REMOVE ALL WAP. SET ASIDE AND PROVIDE TO OWNER. MAKE EXISTING CABLE READY FOR NEW WORK.
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KEYED NOTES [X]:

- NETWORK SWITCH IS LOCATED INSIDE COLUMN FOR AP IN THE RESPECTIVE EXHIBIT HALL.



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PCCA WiFi UPGRADES
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LEVEL 2 - DEMOLITION WAP PLAN NW

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| Project Number | 128620.001 |
| Date | 2022-08-29 |
| Drawn By | TB |
| Checked By | EH |

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 Scale AS NOTED

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Broa

SS1.201
SS1.202

SS1.201
SS1.202

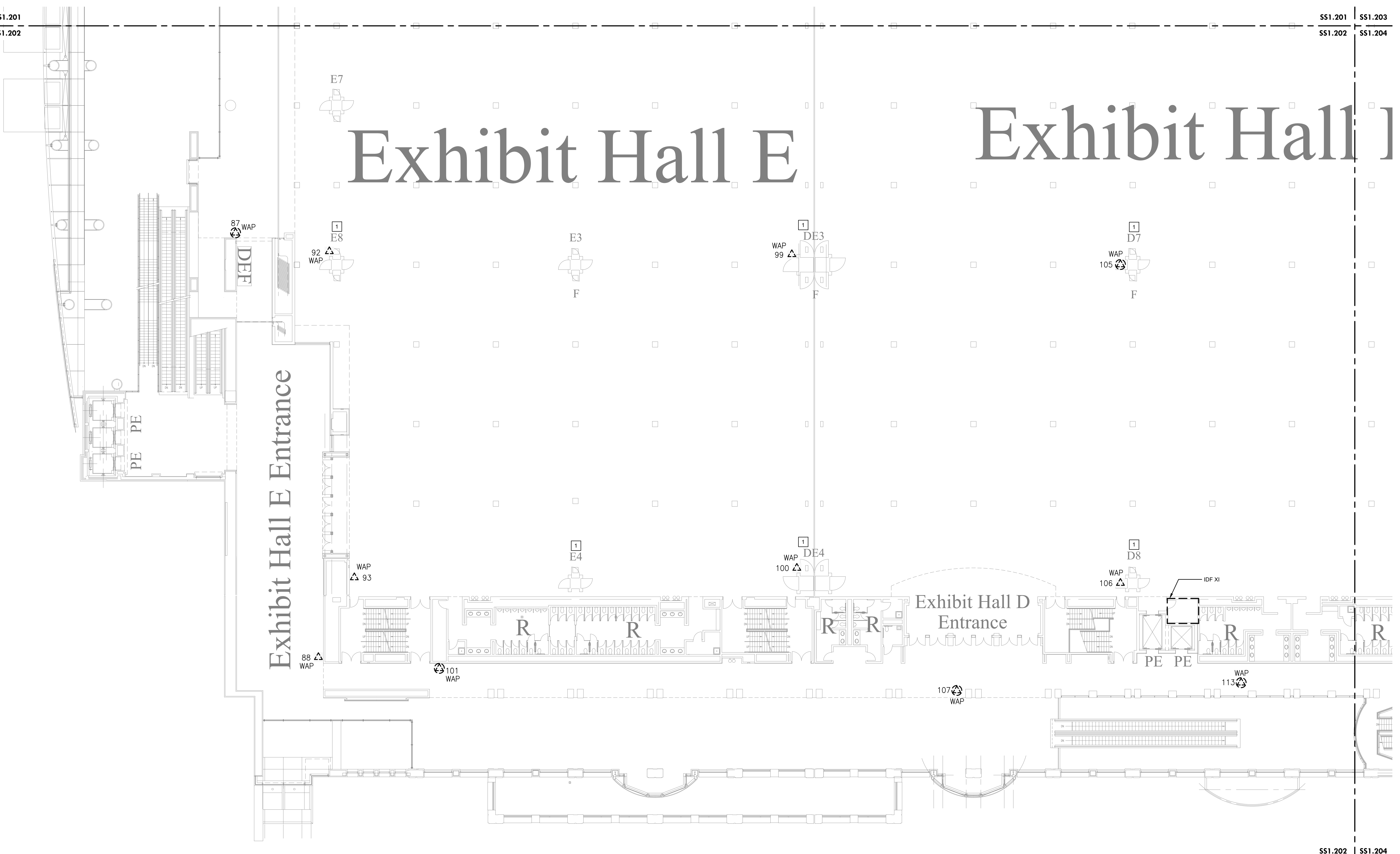
SS1.203
SS1.204

Exhibit Hall E

Exhibit Hall D

Exhibit Hall E Entrance

Exhibit Hall D Entrance



SS1.202 SS1.204

MEP / FP Engineer

ARORA ENGINEERS, INC.
 1600 MARKET STREET, SUITE 1630
 PHILADELPHIA, PA. 19103
 215.372.1365

Architect

Civil Engineer

Structural Engineer

Key Plan

 NORTH LEVEL 2

Seal

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PCCA WiFi UPGRADES
 1101 ARCH STREET
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LEVEL 2 - DEMOLITION WAP PLAN SW

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| Project Number | 128620.001 |
| Date | 2022-08-29 |
| Drawn By | TB |
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| SS1.202 | |
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1 LEVEL 2 - DEMOLITION WAP PLAN SW
 Scale: 1/16" = 1'-0"

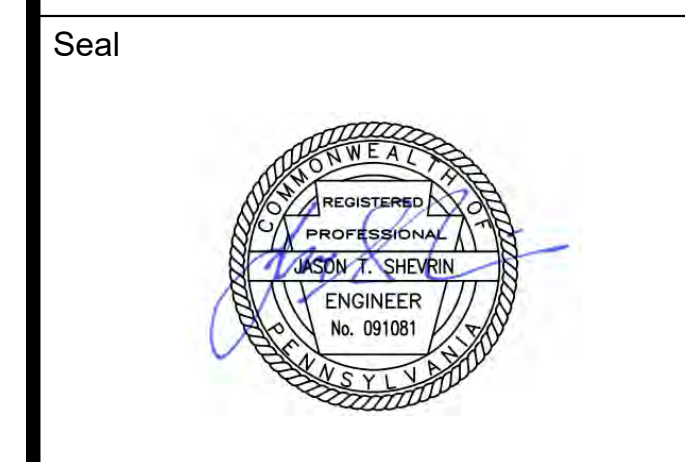
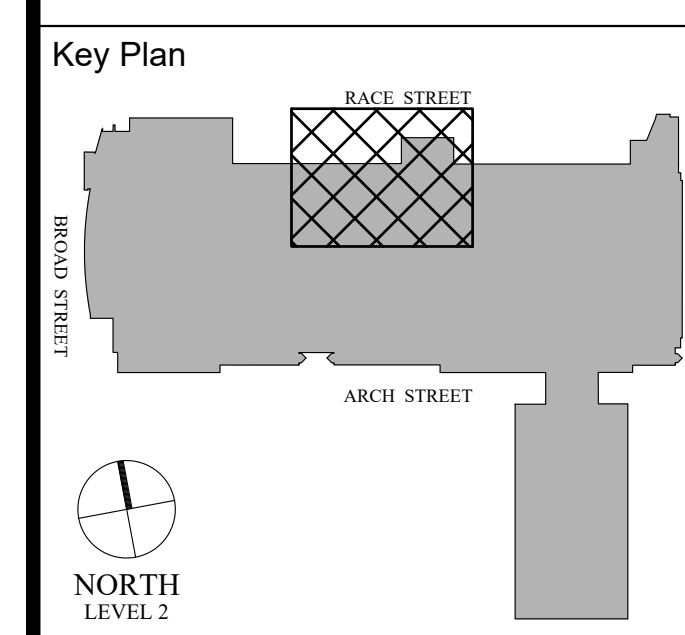
- DEMOLITION NOTES:**
- CONTRACTOR TO DISCONNECT AND REMOVE ALL WAP. SET ASIDE AND PROVIDE TO OWNER. MAKE EXISTING CABLE READY FOR NEW WORK.
 - CONTRACTOR TO REMOVE CAT6A CABLING FROM CAT6 PATCH PANEL AND TERMINATE IT ON A NEW 24-PORT CAT6A PATCH PANEL FOR WIFI CABLING ONLY.

- KEYED NOTES [X]:**
- NETWORK SWITCH IS LOCATED INSIDE COLUMN FOR AP IN THE RESPECTIVE EXHIBIT HALL.

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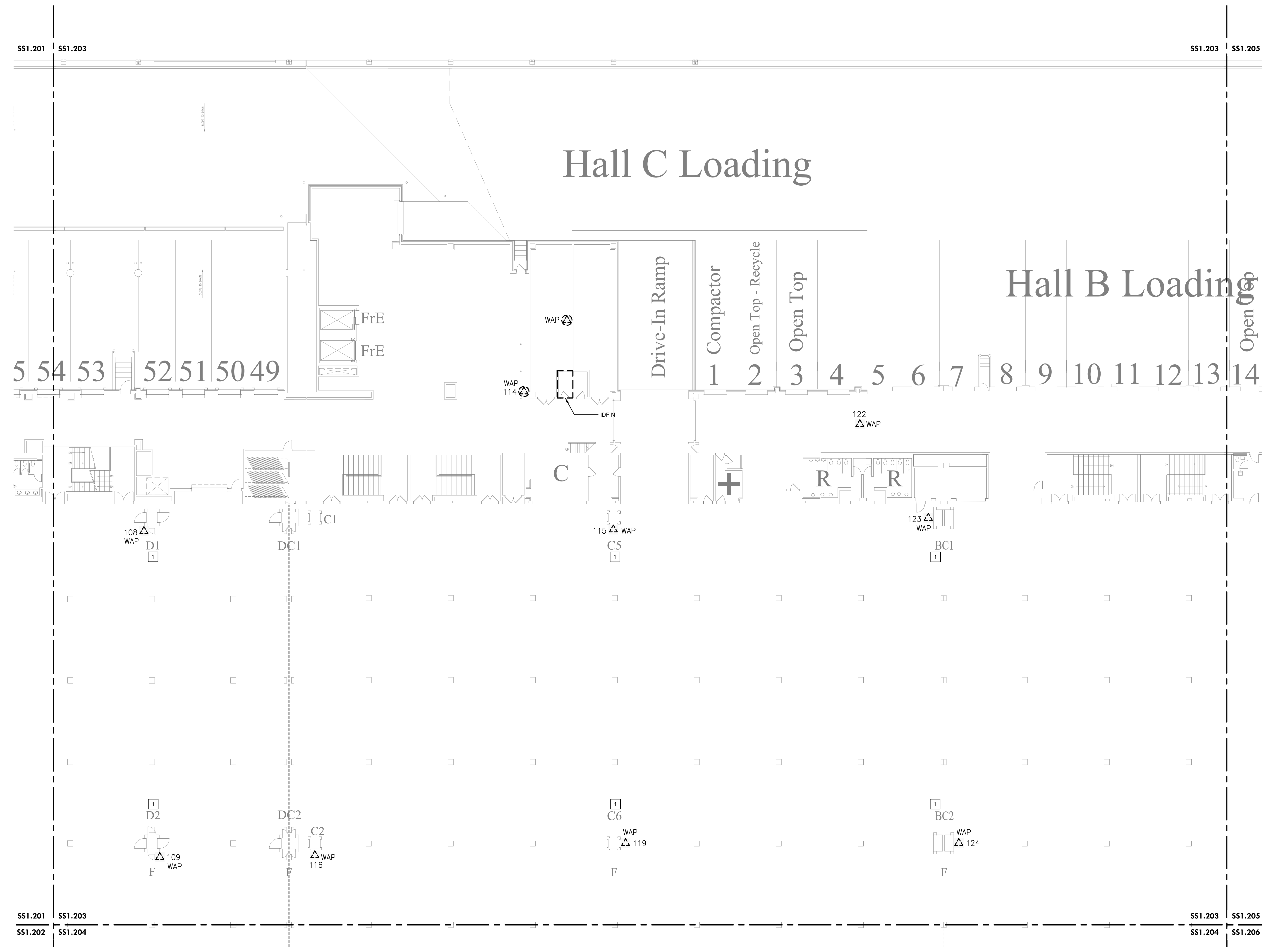
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LEVEL 2 - DEMOLITION WAP PLAN NE

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| Project Number | 128620.001 |
| Date | 2022-08-29 |
| Drawn By | TB |
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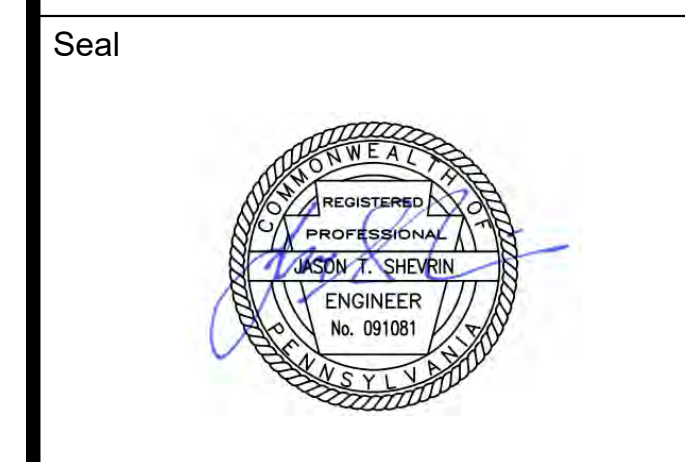
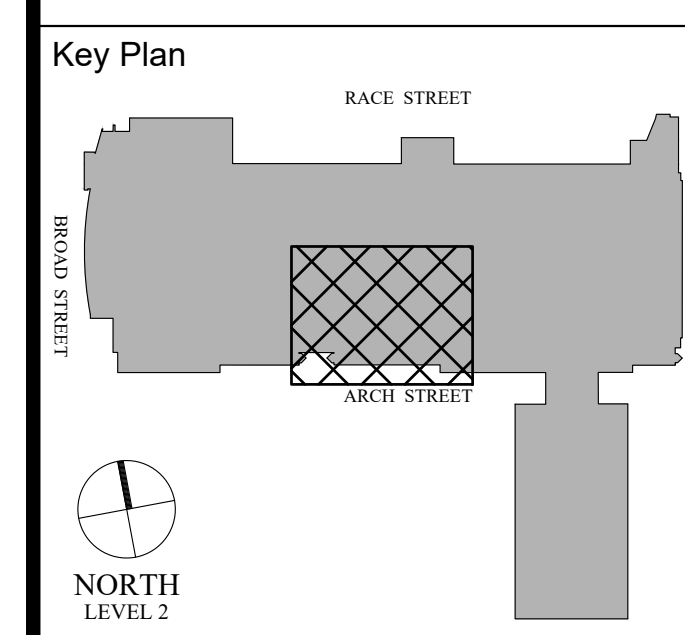
1 LEVEL 2 - DEMOLITION WAP PLAN NE
 Scale: 1/16" = 1'-0"

- DEMOLITION NOTES:**
- CONTRACTOR TO DISCONNECT AND REMOVE ALL WAP, SET ASIDE AND PROVIDE TO OWNER. MAKE EXISTING CABLE READY FOR NEW WORK.
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- KEYED NOTES [X]:**
- NETWORK SWITCH IS LOCATED INSIDE COLUMN FOR AP IN THE RESPECTIVE EXHIBIT HALL.

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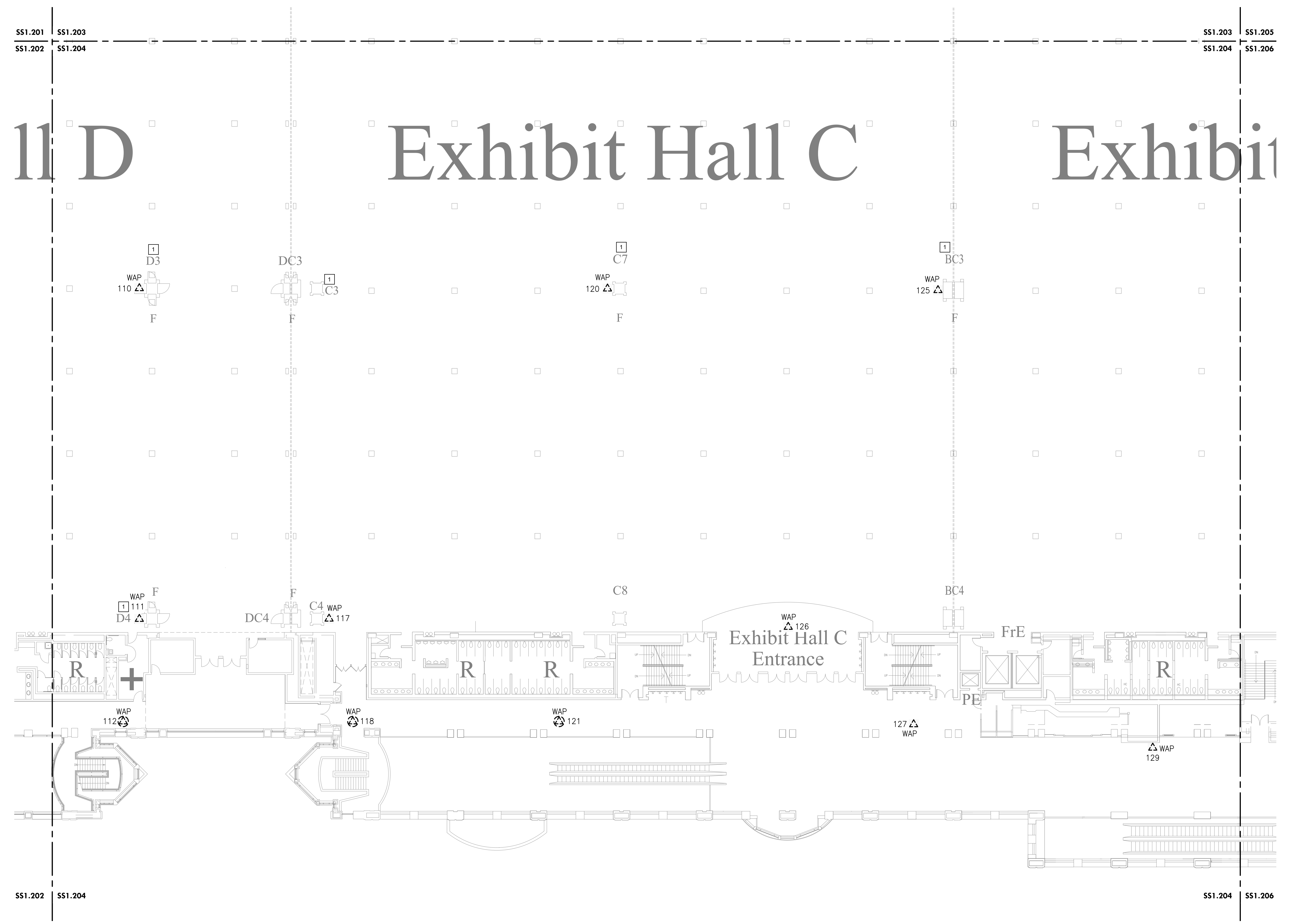
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PCCA WiFi UPGRADES
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**PENNSYLVANIA
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 AUTHORITY (PCCA)**

**LEVEL 2 - DEMOLITION WAP
 PLAN SE**

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| Project Number | 128620.001 |
| Date | 2022-08-29 |
| Drawn By | TB |
| Checked By | EH |

SS1.204
 Scale AS NOTED

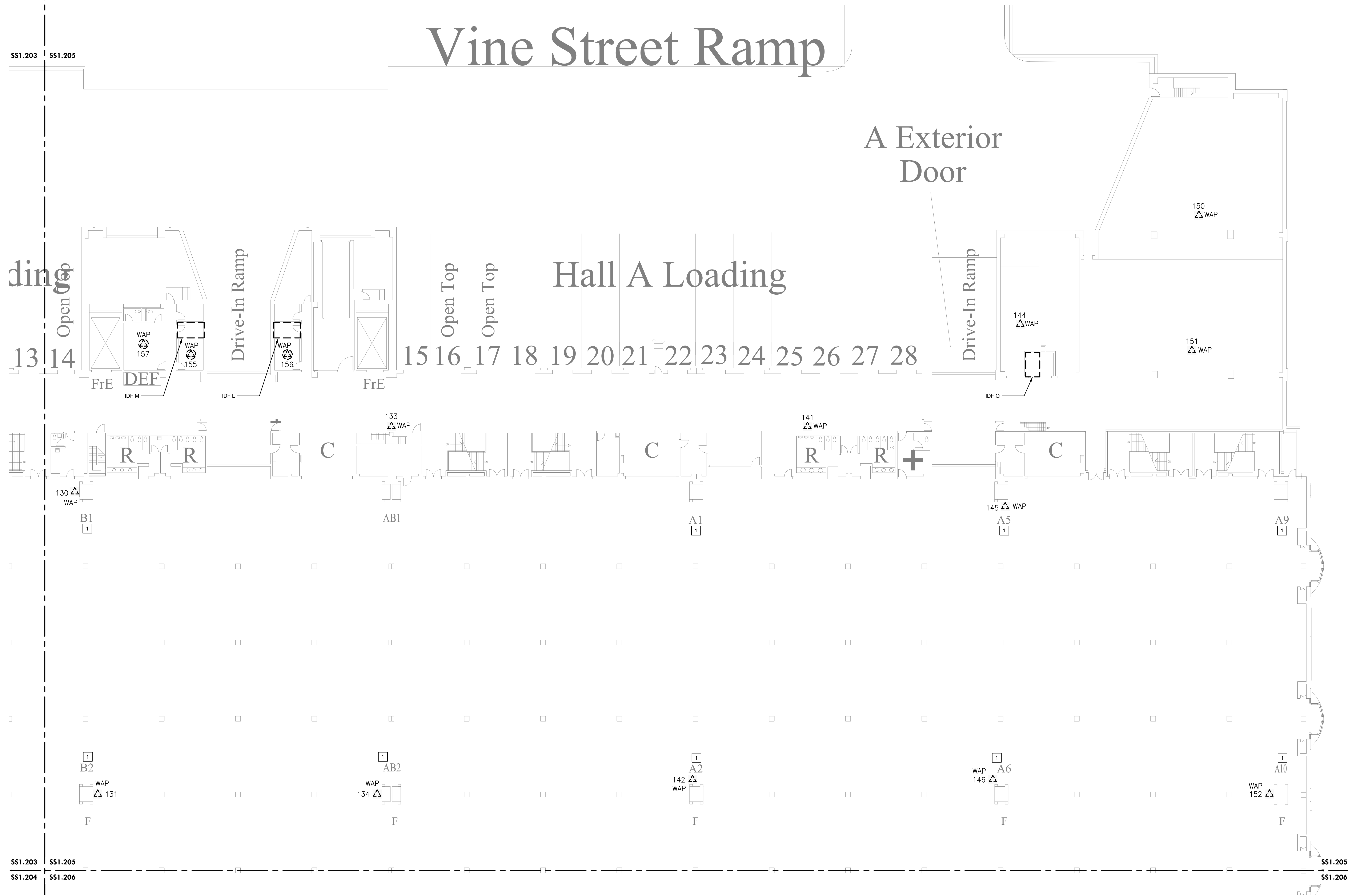


1 LEVEL 2 - DEMOLITION WAP PLAN SE
 Scale: 1/16" = 1'-0"

- DEMOLITION NOTES:**
- CONTRACTOR TO DISCONNECT AND REMOVE ALL WAP. SET ASIDE AND PROVIDE TO OWNER. MAKE EXISTING CABLE READY FOR NEW WORK.
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- KEYED NOTES [X]:**
- NETWORK SWITCH IS LOCATED INSIDE COLUMN FOR AP IN THE RESPECTIVE EXHIBIT HALL.

Vine Street Ramp



1 LEVEL 2 - DEMOLITION WAP NE EXISTING EXHIBIT HALL
SS1.205 Scale: 1/16" = 1'-0"

DEMOLITION NOTES:

1. CONTRACTOR TO DISCONNECT AND REMOVE ALL WAP. SET ASIDE AND PROVIDE TO OWNER. MAKE EXISTING CABLE READY FOR NEW WORK.
2. CONTRACTOR TO REMOVE CAT6A CABLING FROM CAT6 PATCH PANEL AND TERMINATE IT ON A NEW 24-PORT CAT6A PATCH PANEL FOR WIFI CABLING ONLY.

KEYED NOTES [X]:

1. NETWORK SWITCH IS LOCATED INSIDE COLUMN FOR AP IN THE RESPECTIVE EXHIBIT HALL.

MEP / FP Engineer



ARORA ENGINEERS, INC.
1600 MARKET STREET, SUITE 1630
PHILADELPHIA, PA. 19103
215.372.1365

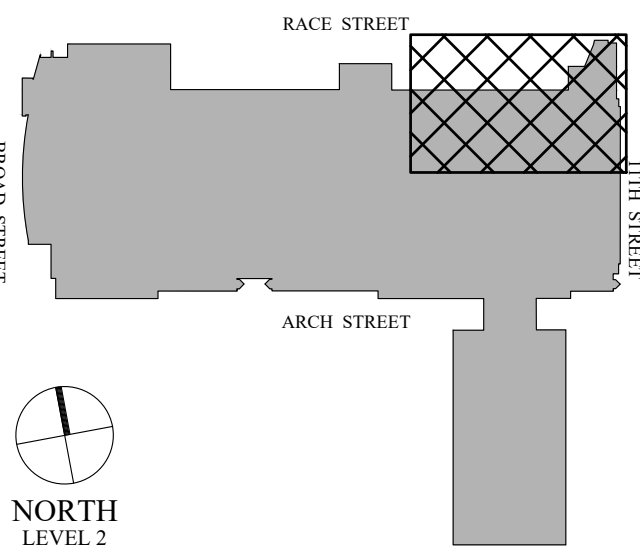
Architect

Civil Engineer

Structural Engineer



Key Plan



Seal



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PCCA WiFi UPGRADES

1101 ARCH STREET
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PENNSYLVANIA
CONVENTION CENTER
AUTHORITY (PCCA)

LEVEL 2 - DEMOLITION WAP NE EXISTING EXHIBIT HALL

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| Project Number | 128620.001 |
| Date | 2022-08-29 |
| Drawn By | TB |
| Checked By | EH |

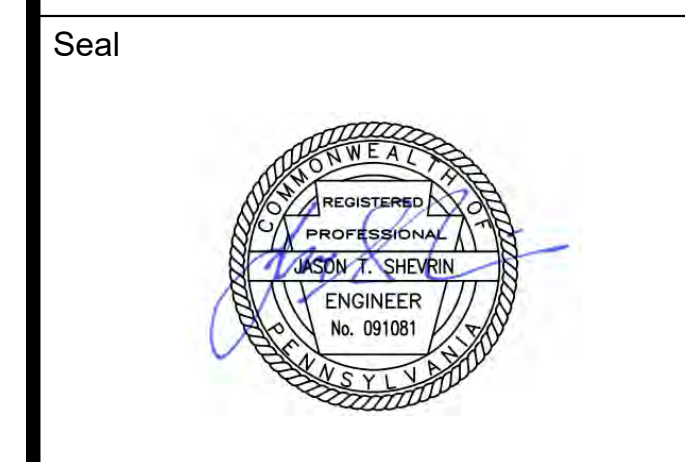
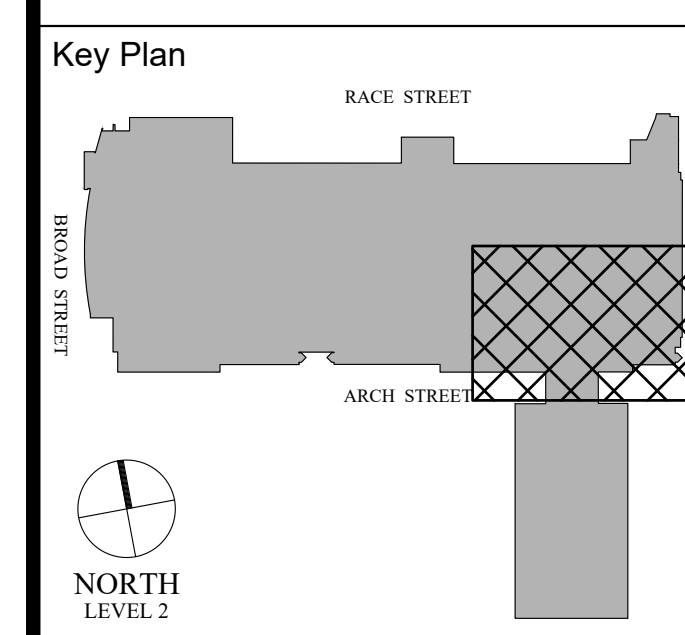
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Scale AS NOTED

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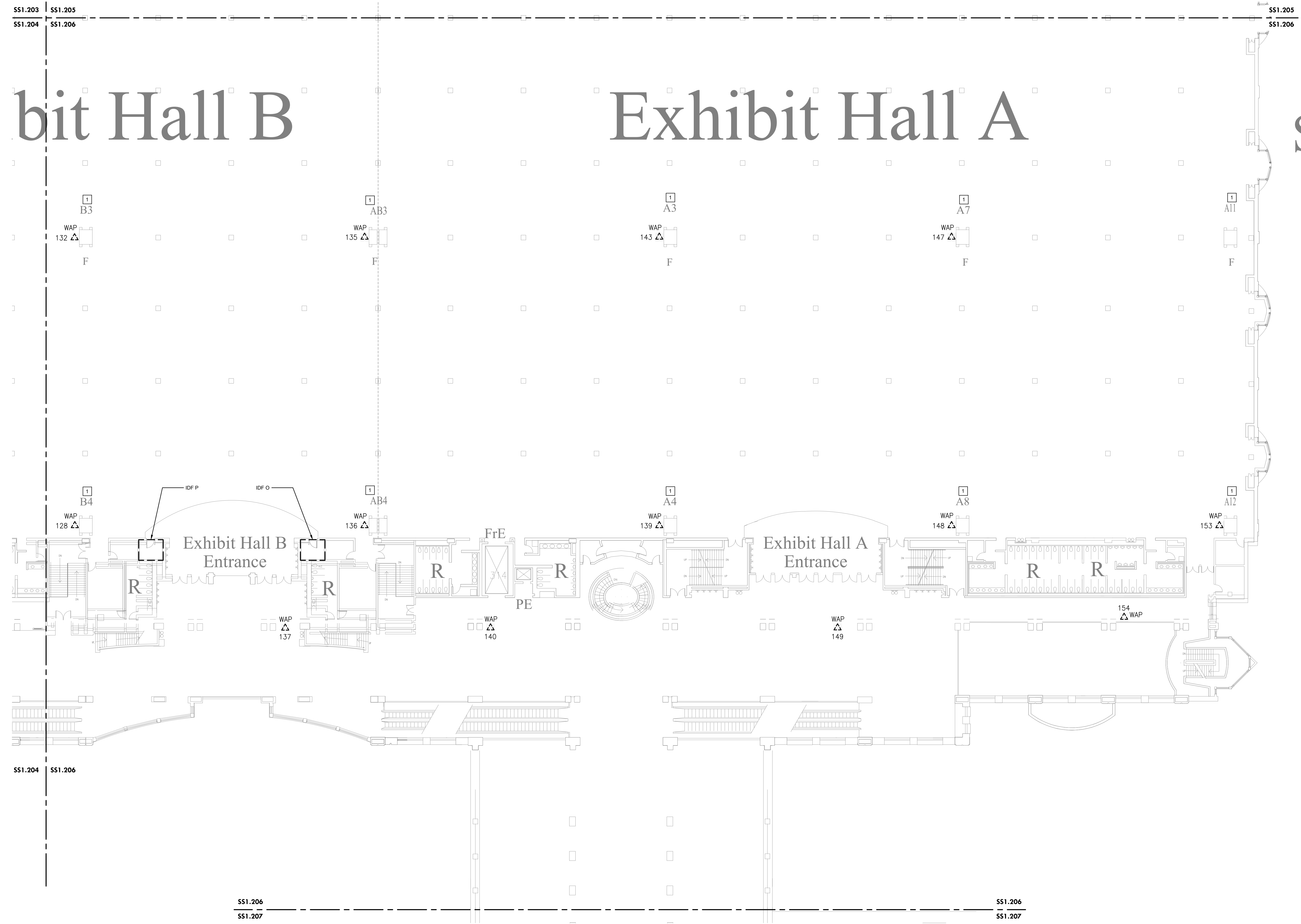
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 PENNSYLVANIA
 CONVENTION CENTER
 AUTHORITY (PCCA)

LEVEL 2 - DEMOLITION WAP SE EXISTING EXHIBIT HALL

| | |
|----------------|------------|
| Project Number | 128620.001 |
| Date | 2022-08-29 |
| Drawn By | TB |
| Checked By | EH |
| SS1.206 | |
| Scale | AS NOTED |



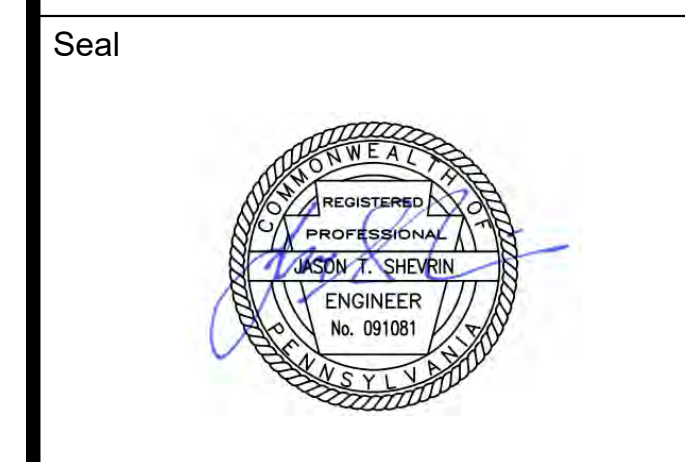
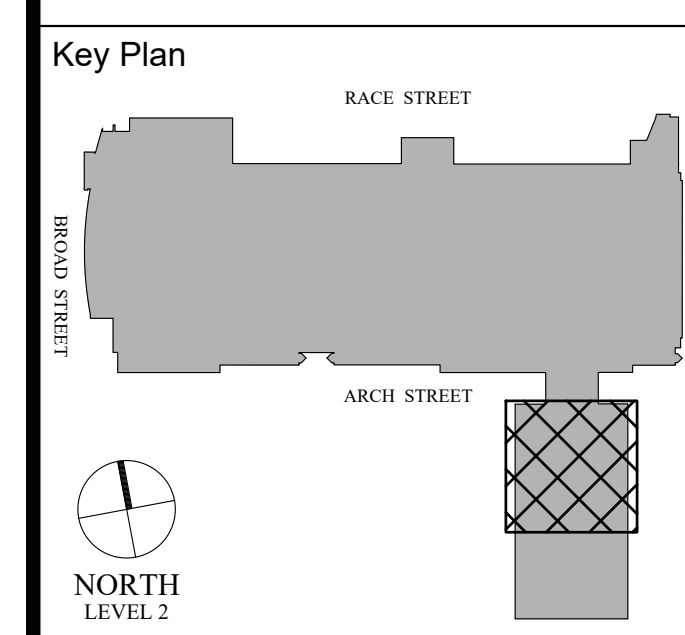
1 LEVEL 2 - DEMOLITION WAP SE EXISTING EXHIBIT HALL
 SS1.206 Scale: 1/16" = 1'-0"

DEMOLITION NOTES:
 1. CONTRACTOR TO DISCONNECT AND REMOVE ALL WAP. SET ASIDE AND PROVIDE TO OWNER. MAKE EXISTING CABLE READY FOR NEW WORK.
 2. CONTRACTOR TO REMOVE CAT6A CABLING FROM CAT6 PATCH PANEL AND TERMINATE IT ON A NEW 24-PORT CAT6A PATCH PANEL FOR WIFI CABLING ONLY.

KEYED NOTES [X]:
 1. NETWORK SWITCH IS LOCATED INSIDE COLUMN FOR AP IN THE RESPECTIVE EXHIBIT HALL.

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THIS DRAWING IS FORMATTED TO BE PRINTED AT 36" X 42"



Revisions:

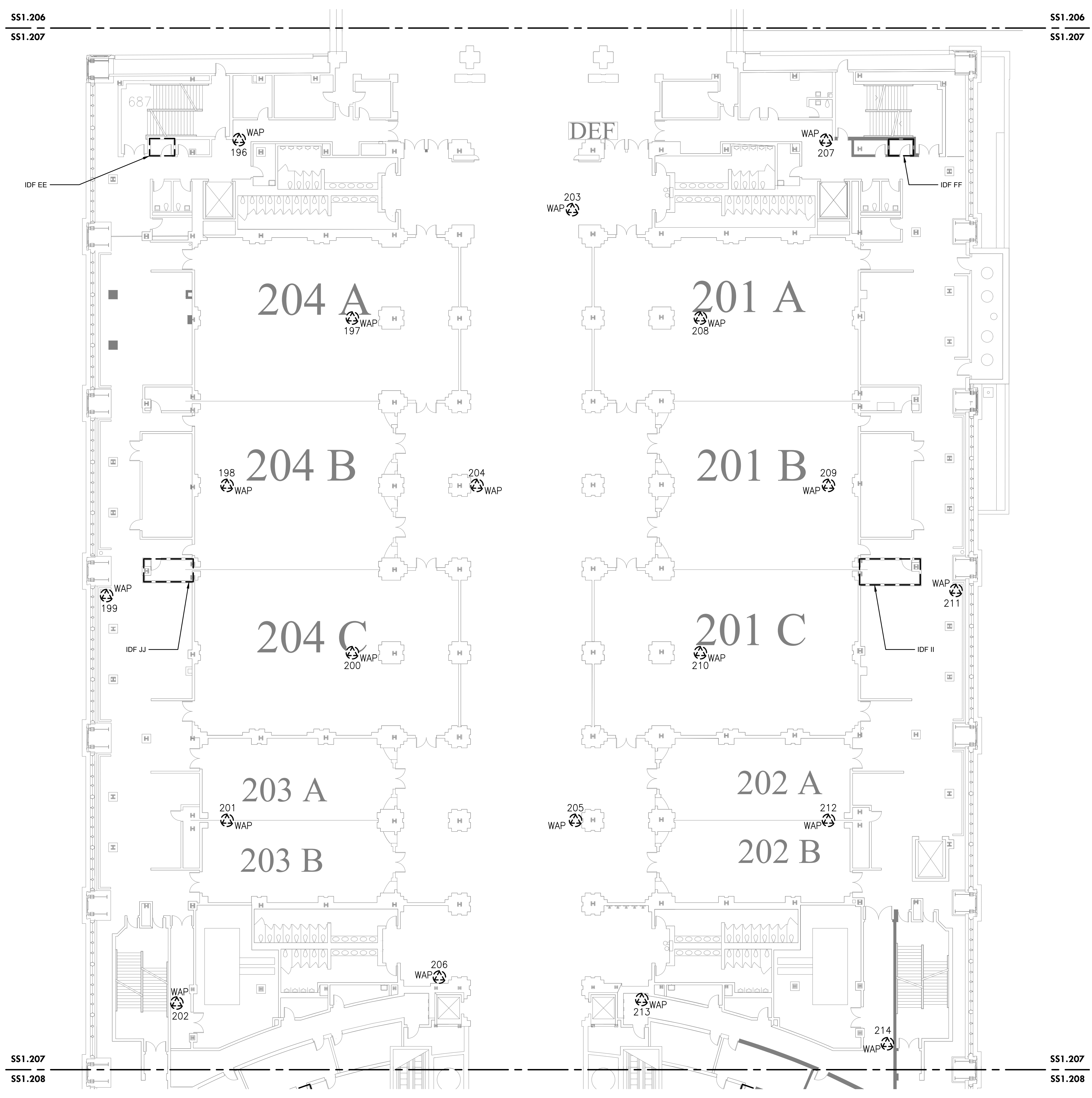
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PCCA WiFi UPGRADES
 1101 ARCH STREET
 PHILADELPHIA, PA. 19107
 PENNSYLVANIA
 CONVENTION CENTER
 AUTHORITY (PCCA)

LEVEL 2 - DEMOLITION WAP CONFERENCE ROOMS

| | |
|----------------|------------|
| Project Number | 128620.001 |
| Date | 2022-08-29 |
| Drawn By | TB |
| Checked By | EH |

SS1.207
 Scale AS NOTED



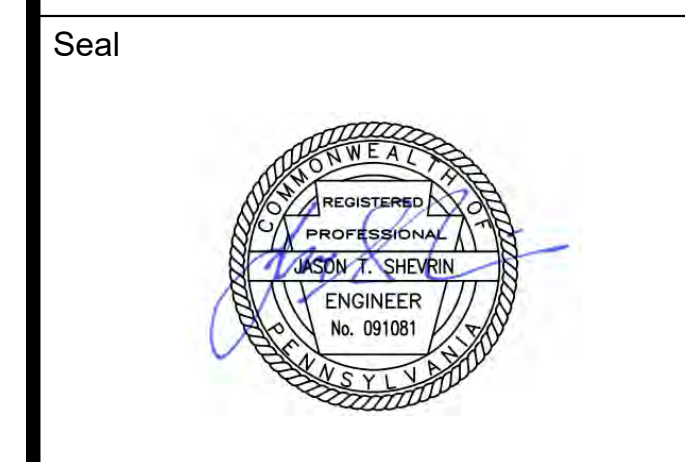
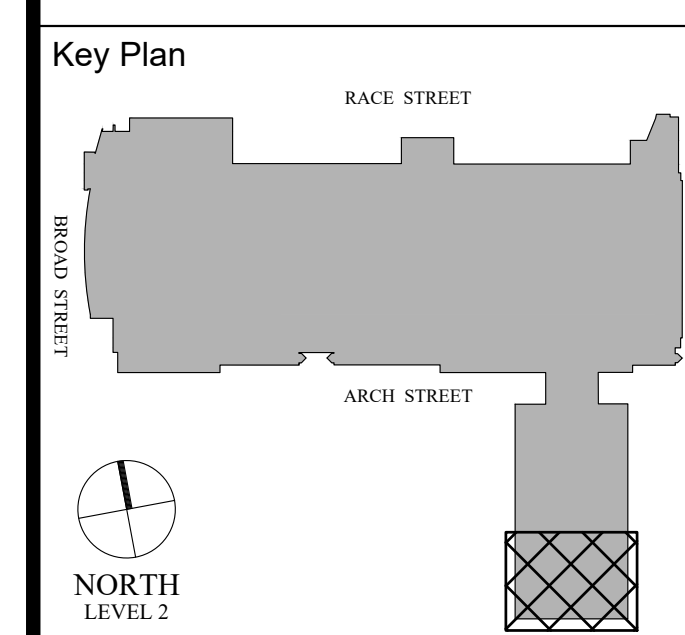
1 LEVEL 2 - DEMOLITION WAP CONFERENCE ROOMS
 Scale: 1/16" = 1'-0"

- DEMOLITION NOTES:**
- CONTRACTOR TO DISCONNECT AND REMOVE ALL WAP. SET ASIDE AND PROVIDE TO OWNER. MAKE EXISTING CABLE READY FOR NEW WORK.
 - CONTRACTOR TO REMOVE CAT6A CABLING FROM CAT6 PATCH PANEL AND TERMINATE IT ON A NEW 24-PORT CAT6A PATCH PANEL FOR WIFI CABLING ONLY.

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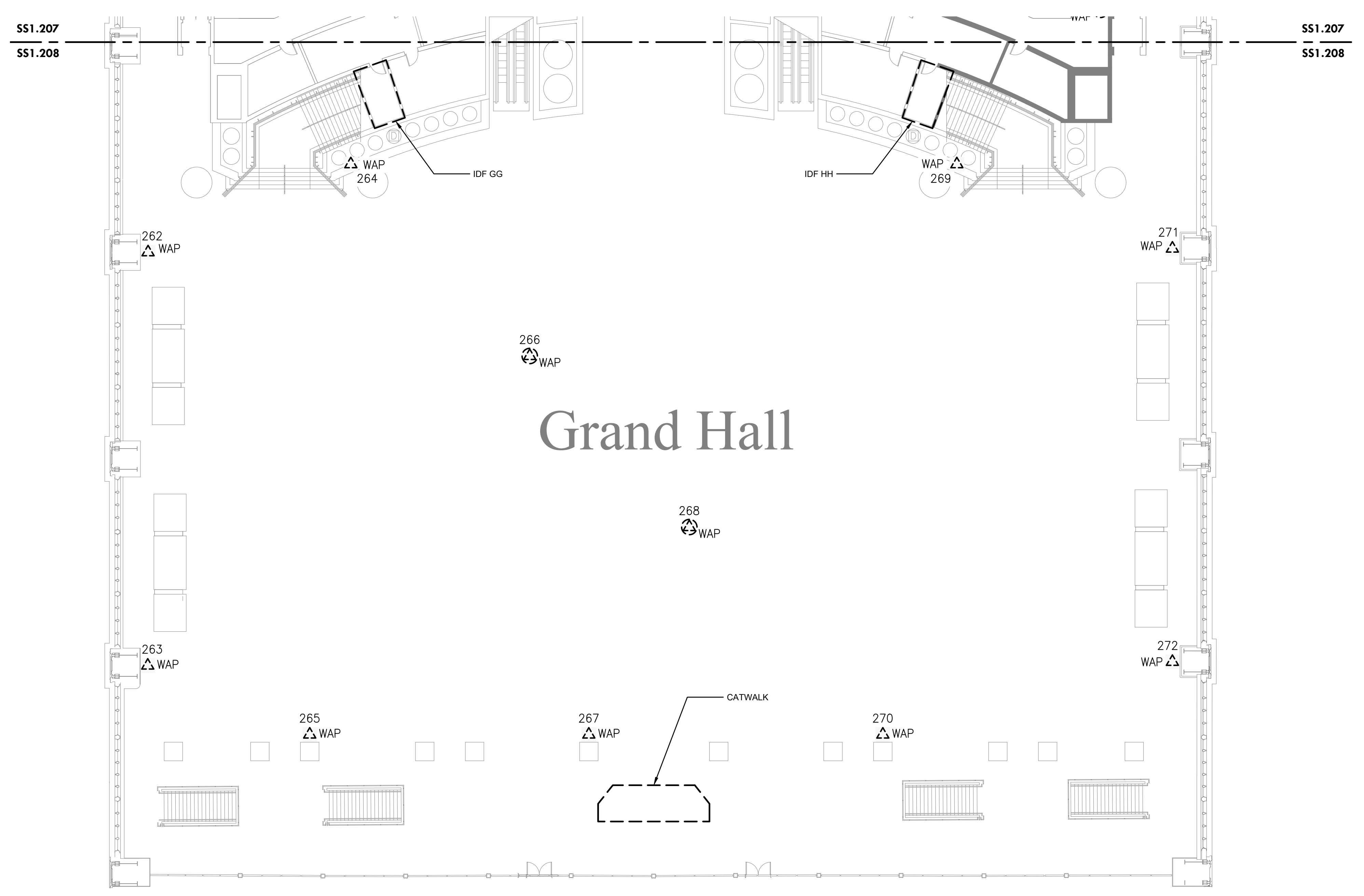
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LEVEL 2 - DEMOLITION WAP GRAND HALL

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|----------------|------------|
| Project Number | 128620.001 |
| Date | 2022-08-29 |
| Drawn By | TB |
| Checked By | EH |
| SS1.208 | |
| Scale | AS NOTED |

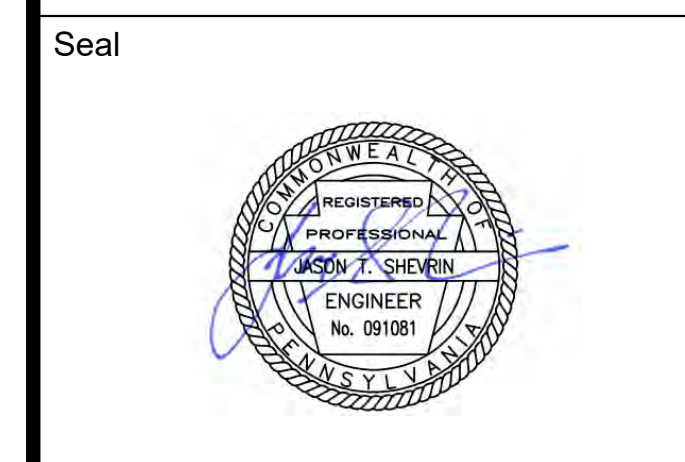
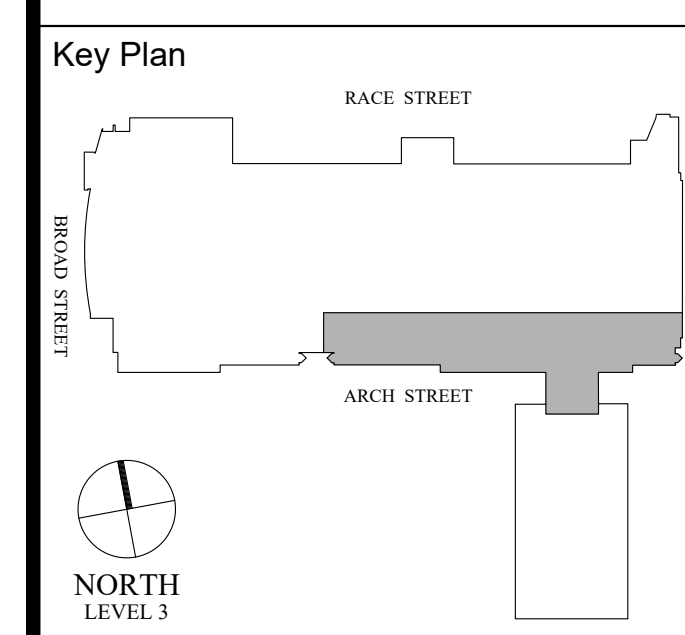


1 LEVEL 2 - DEMOLITION WAP GRAND HALL
 Scale: 1/16" = 1'-0"

- DEMOLITION NOTES:**
- CONTRACTOR TO DISCONNECT AND REMOVE ALL WAP. SET ASIDE AND PROVIDE TO OWNER. MAKE EXISTING CABLE READY FOR NEW WORK.
 - CONTRACTOR TO REMOVE CAT6A CABLING FROM CAT6 PATCH PANEL AND TERMINATE IT ON A NEW 24-PORT CAT6A PATCH PANEL FOR WIFI CABLING ONLY.

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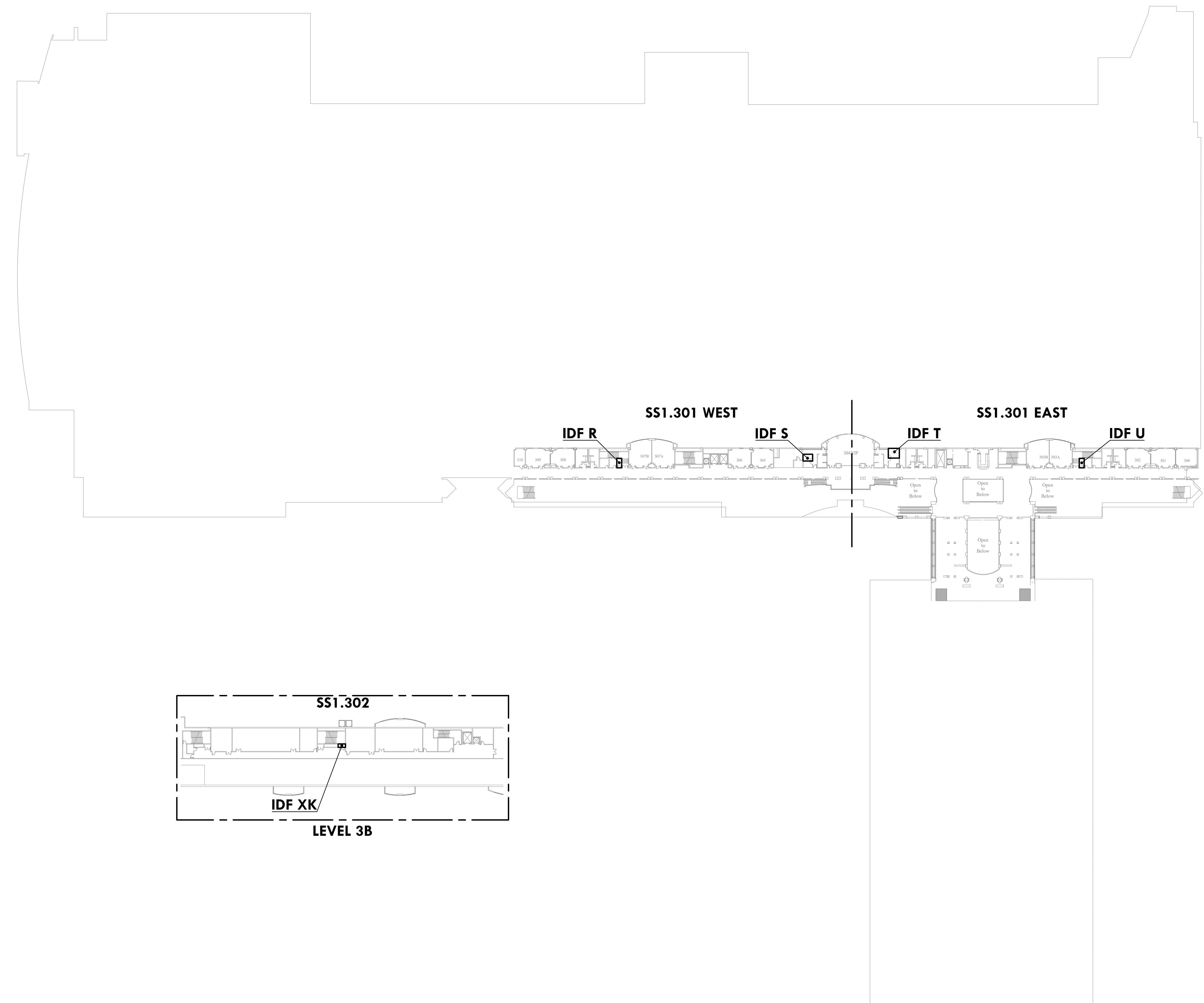
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PCCA WiFi UPGRADES
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 AUTHORITY (PCCA)

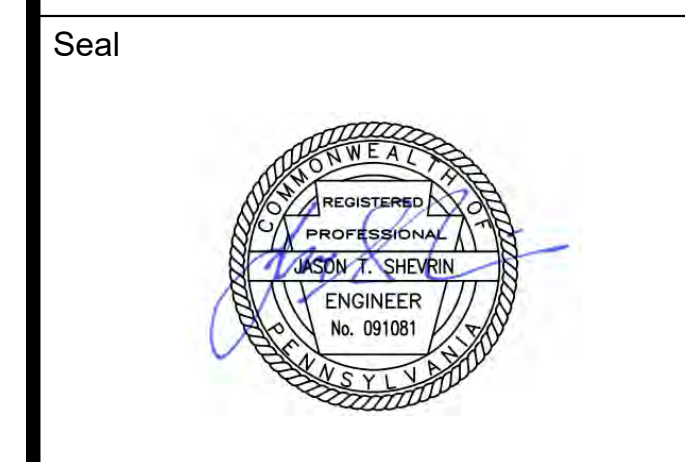
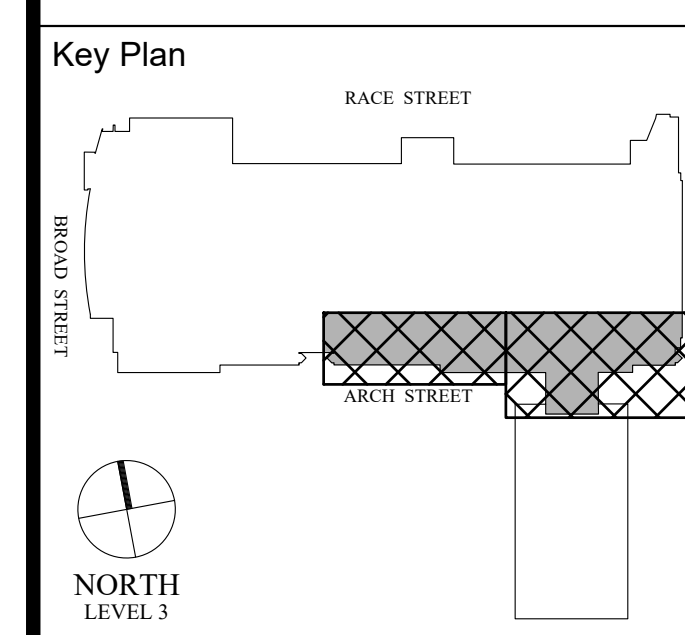
LEVEL 3 OVERALL KEY PLAN

| | |
|----------------|------------|
| Project Number | 128620.001 |
| Date | 2022-08-29 |
| Drawn By | TB |
| Checked By | EH |

SS1.300
 Scale AS NOTED



1 LEVEL 3 OVERALL KEY PLAN
 SS1.300 Scale: 1/64" = 1'-0"



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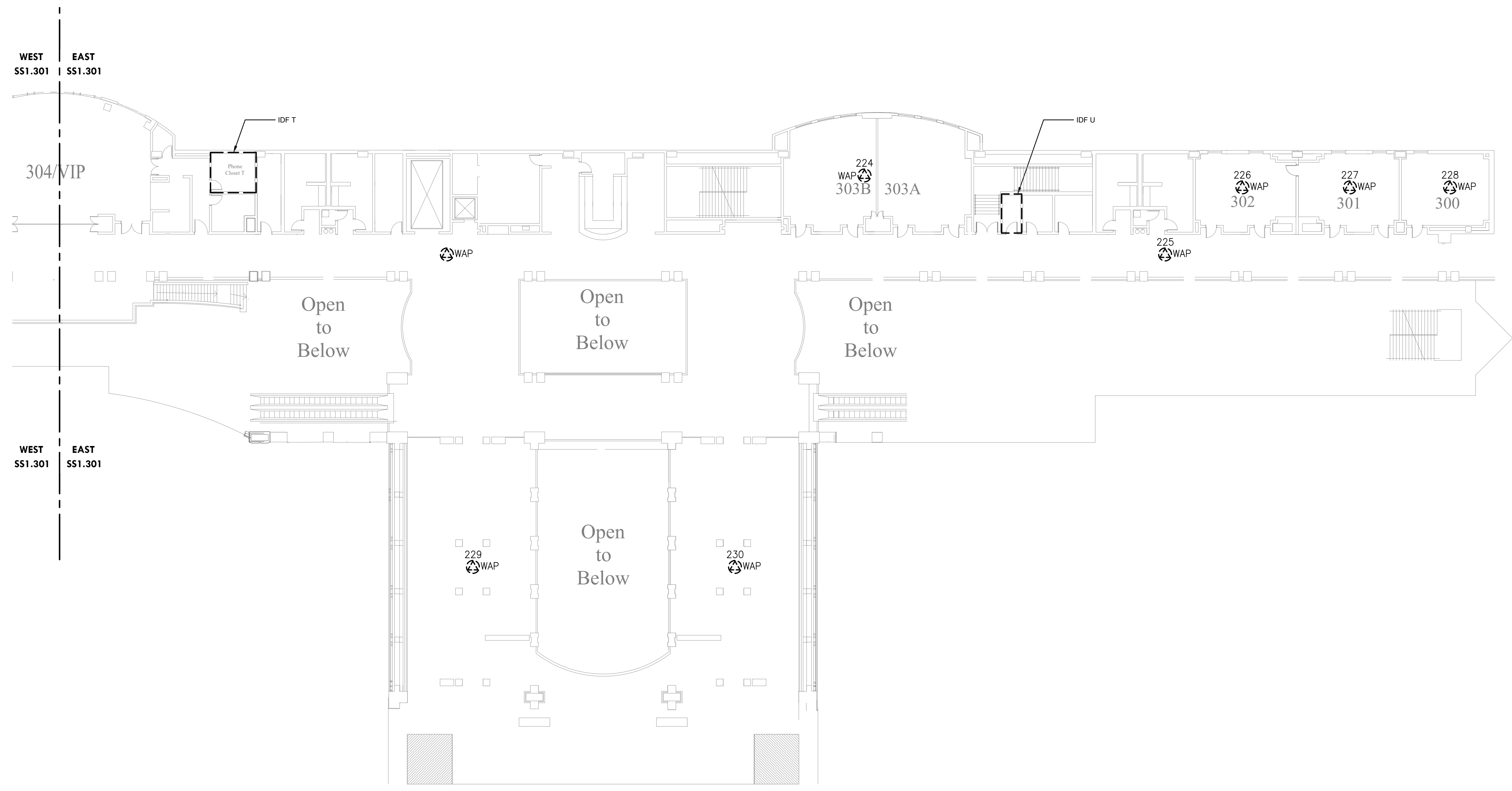
PCCA WiFi UPGRADES
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PENNSYLVANIA CONVENTION CENTER AUTHORITY (PCCA)

LEVEL 3A - DEMOLITION WAP PLAN

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|----------------|------------|
| Project Number | 128620.001 |
| Date | 2022-08-29 |
| Drawn By | TB |
| Checked By | EH |
| SS1.301 | |
| Scale | AS NOTED |

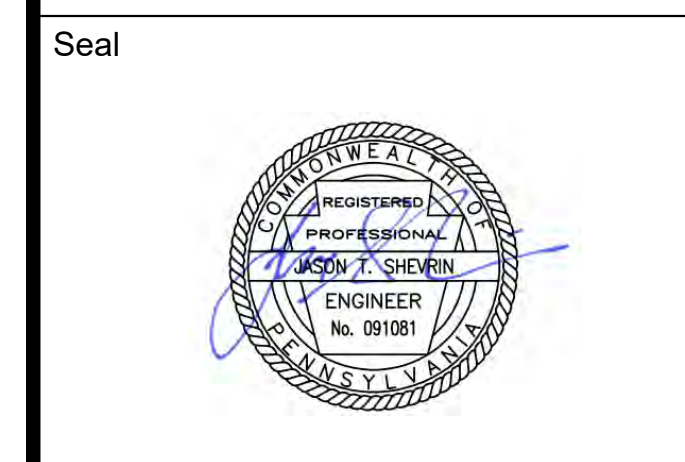
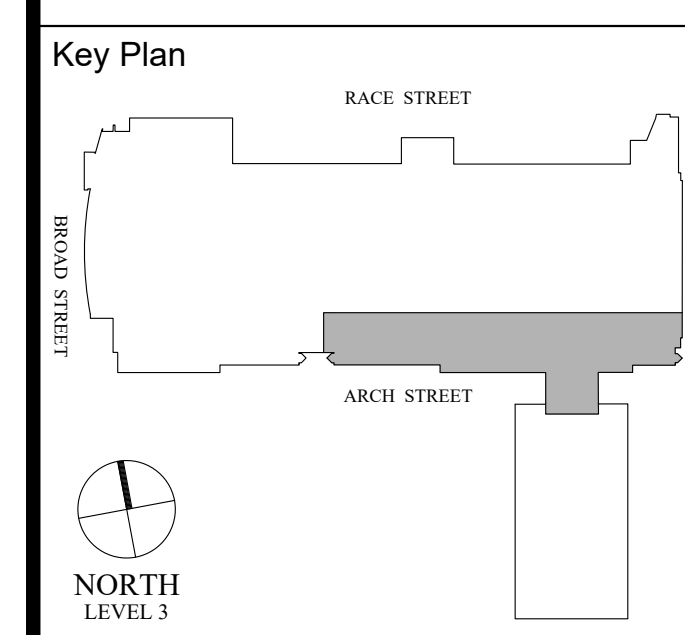
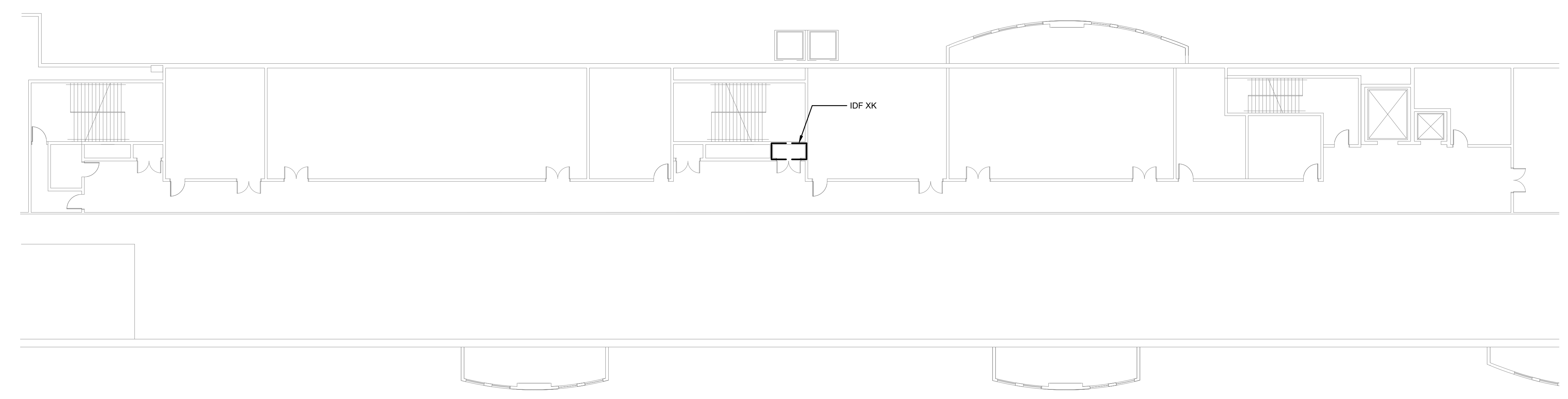


1 LEVEL 3A - DEMOLITION WAP PLAN - WEST
 Scale: 1/16" = 1'-0"



2 LEVEL 3A - DEMOLITION WAP PLAN - EAST
 Scale: 1/16" = 1'-0"

- DEMOLITION NOTES:**
- CONTRACTOR TO DISCONNECT AND REMOVE ALL WAP. SET ASIDE AND PROVIDE TO OWNER. MAKE EXISTING CABLE READY FOR NEW WORK.
 - CONTRACTOR TO REMOVE CAT6A CABLING FROM CAT6 PATCH PANEL AND TERMINATE IT ON A NEW 24-PORT CAT6A PATCH PANEL FOR WIFI CABLING ONLY.



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1 LEVEL 3B - DEMOLITION WAP PLAN
 SS1.302 Scale: 1/16" = 1'-0"

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LEVEL 3B - DEMOLITION WAP PLAN

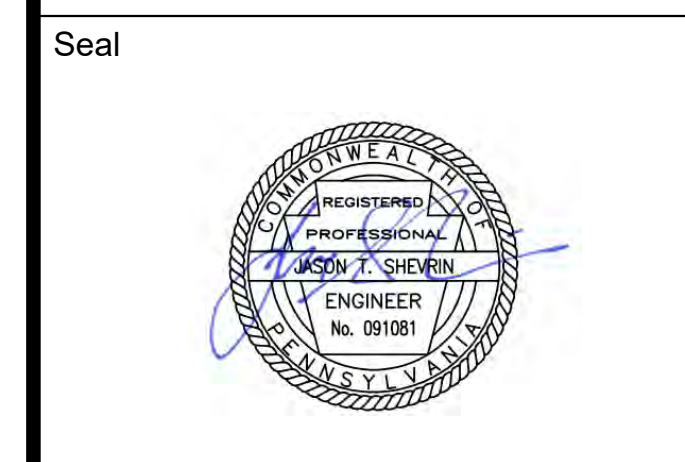
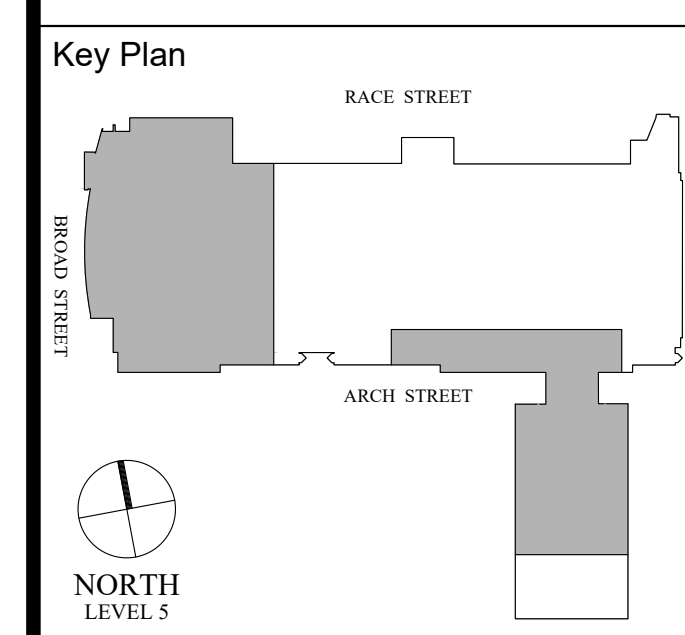
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| Project Number | 128620.001 |
| Date | 2022-08-29 |
| Drawn By | TB |
| Checked By | EH |

SS1.302
 Scale AS NOTED

- DEMOLITION NOTES:**
- CONTRACTOR TO DISCONNECT AND REMOVE ALL WAP. SET ASIDE AND PROVIDE TO OWNER. MAKE EXISTING CABLE READY FOR NEW WORK.
 - CONTRACTOR TO REMOVE CAT6A CABLING FROM CAT6 PATCH PANEL AND TERMINATE IT ON A NEW 24-PORT CAT6A PATCH PANEL FOR WIFI CABLING ONLY.

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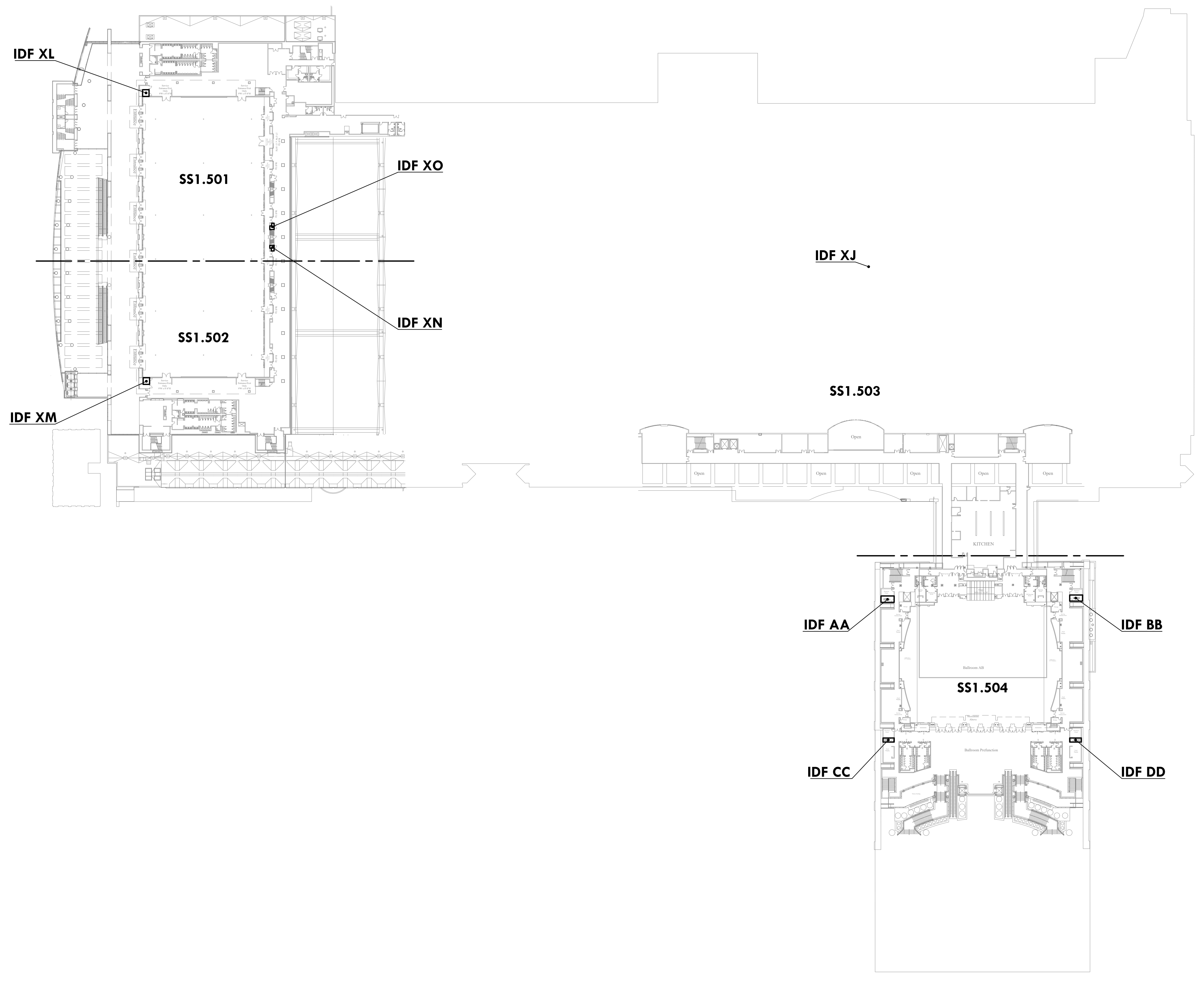
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PCCA WiFi UPGRADES
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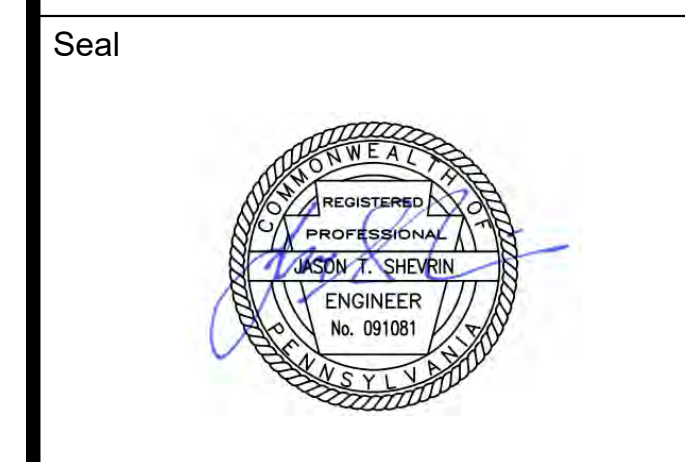
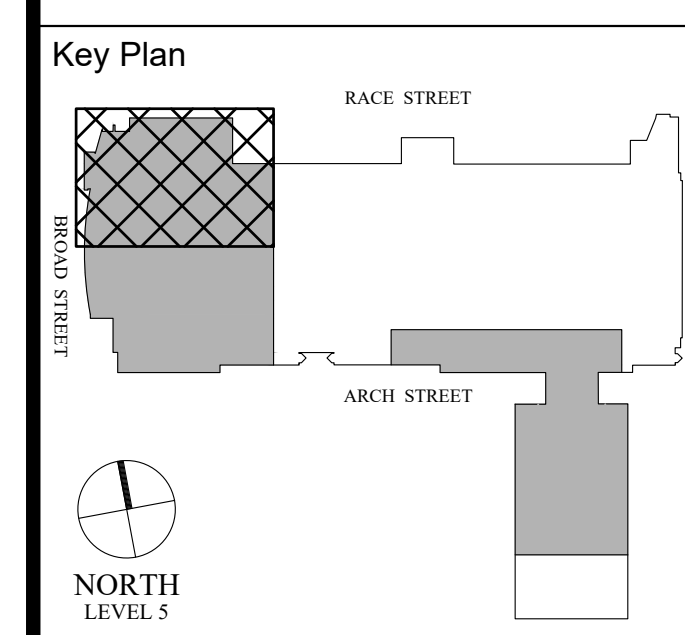
LEVEL 5 OVERALL KEY PLAN

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| Project Number | 128620.001 |
| Date | 2022-08-29 |
| Drawn By | TB |
| Checked By | EH |

SS1.500
 Scale AS NOTED



1 LEVEL 5 OVERALL KEY PLAN
 SS1.500 Scale: 1/64" = 1'-0"



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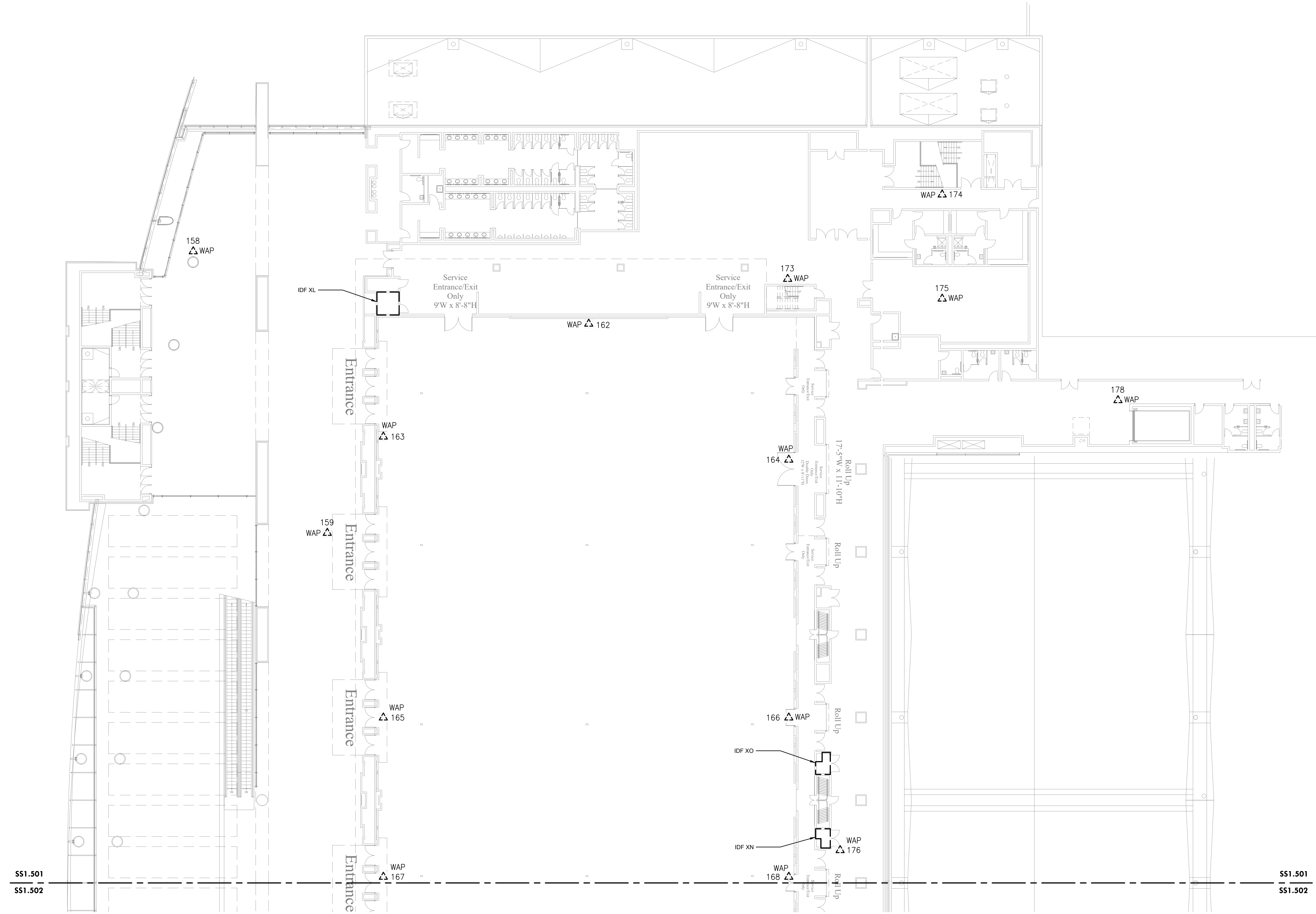
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**LEVEL 5 - DEMOLITION WAP
 PLAN NW**

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|----------------|------------|
| Project Number | 128620.001 |
| Date | 2022-08-29 |
| Drawn By | TB |
| Checked By | EH |

SS1.501
 Scale AS NOTED



1 LEVEL 5 - DEMOLITION WAP PLAN NW
 Scale: 1/16" = 1'-0"

- DEMOLITION NOTES:**
- CONTRACTOR TO DISCONNECT AND REMOVE ALL WAP. SET ASIDE AND PROVIDE TO OWNER. MAKE EXISTING CABLE READY FOR NEW WORK.
 - CONTRACTOR TO REMOVE CAT6A CABLING FROM CAT6 PATCH PANEL AND TERMINATE IT ON A NEW 24-PORT CAT6A PATCH PANEL FOR WIFI CABLING ONLY.

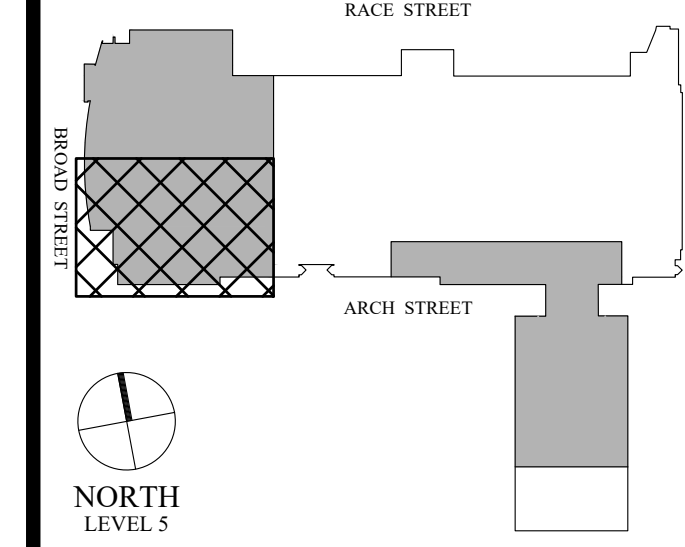
Architect

Civil Engineer

Structural Engineer



Key Plan



Seal



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LEVEL 5 - DEMOLITION WAP PLAN SW

Project Number 128620.001

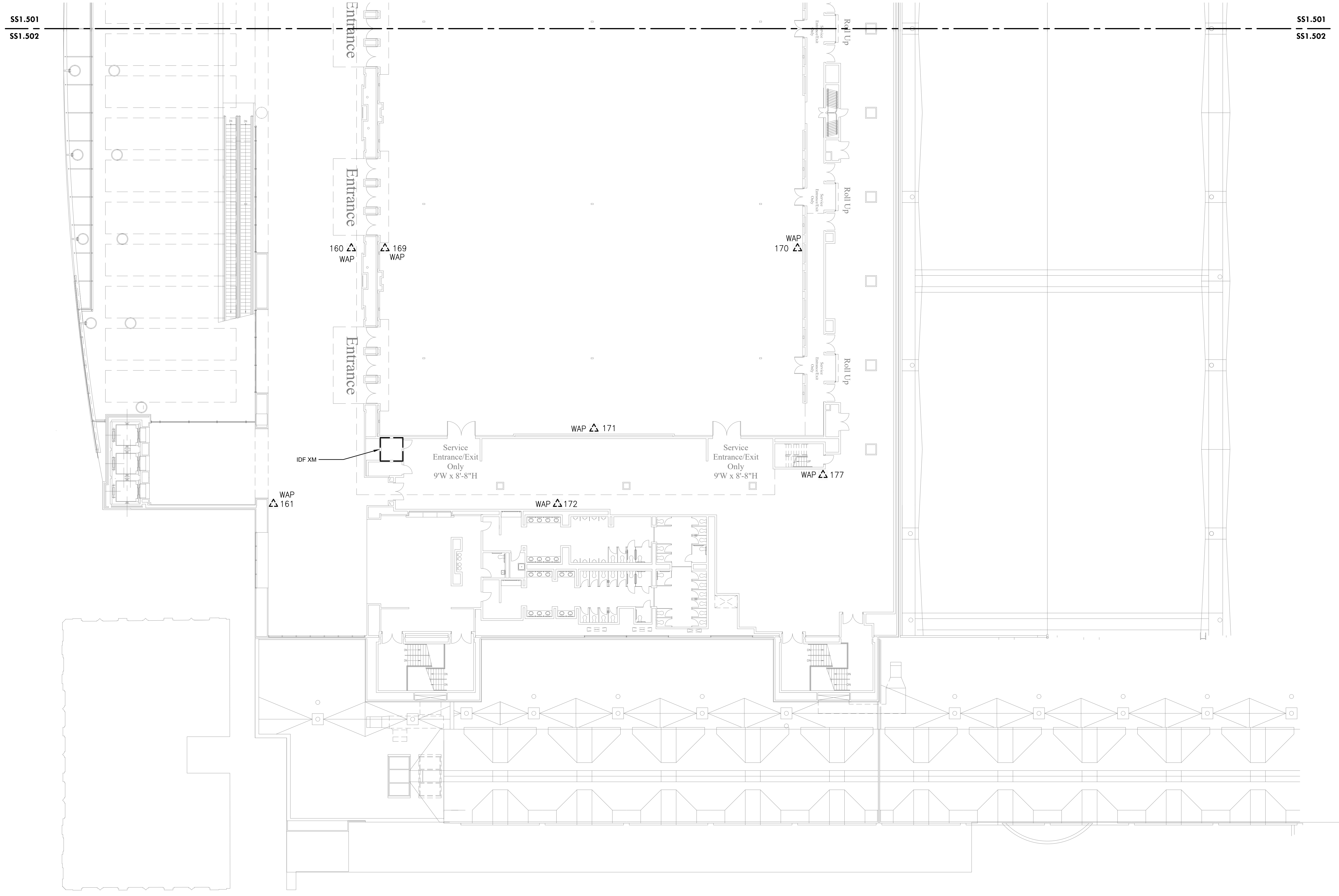
Date 2022-08-29

Drawn By TB

Checked By EH

SS1.502

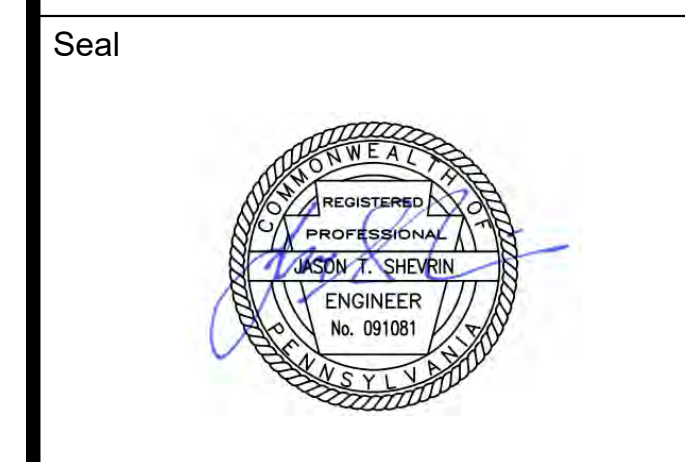
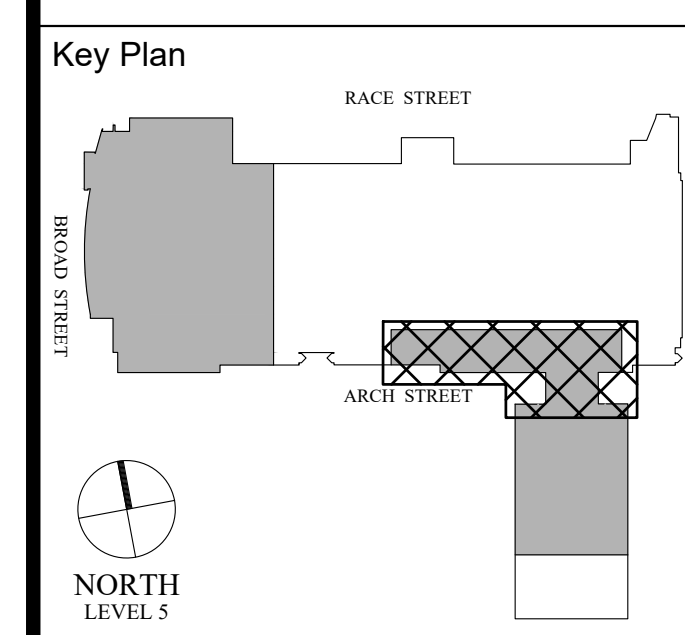
Scale AS NOTED



1 LEVEL 5 - DEMOLITION WAP PLAN SW
 SS1.502 Scale: 1/16" = 1'-0"

DEMOLITION NOTES:

- CONTRACTOR TO DISCONNECT AND REMOVE ALL WAP. SET ASIDE AND PROVIDE TO OWNER. MAKE EXISTING CABLE READY FOR NEW WORK.
- CONTRACTOR TO REMOVE CAT6A CABLING FROM CAT6 PATCH PANEL AND TERMINATE IT ON A NEW 24-PORT CAT6A PATCH PANEL FOR WIFI CABLING ONLY.



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**LEVEL 5 - DEMOLITION WAP
 PLAN BALLROOM 'W' S.E**

Project Number 128620.001

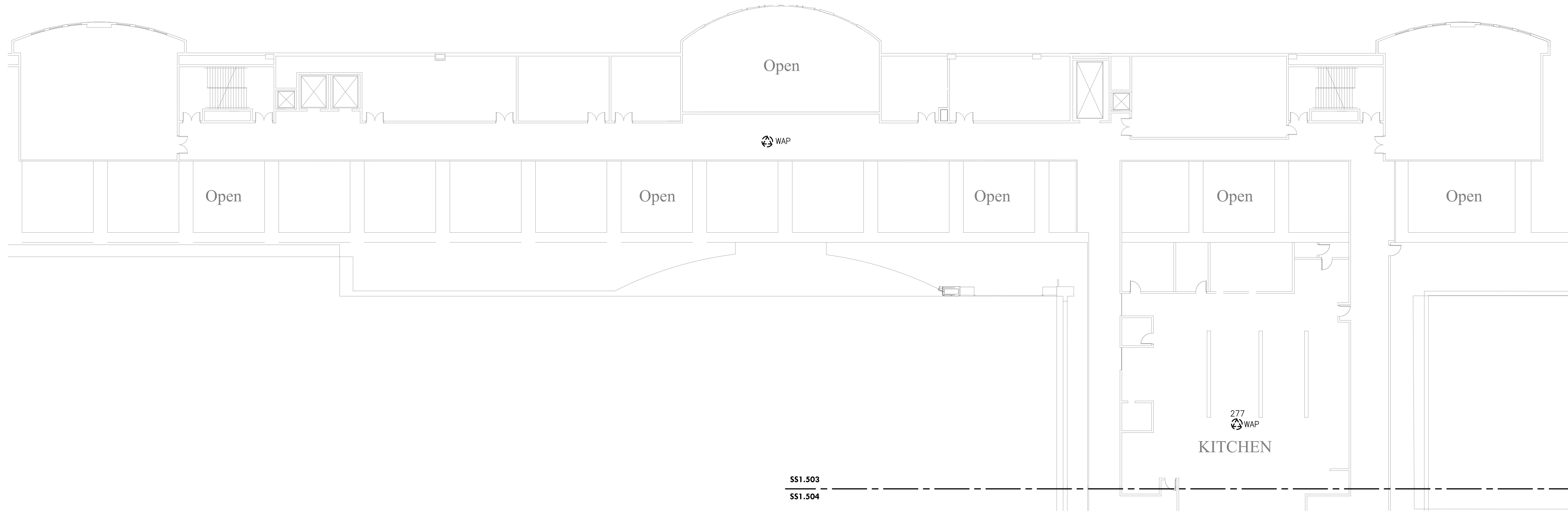
Date 2022-08-29

Drawn By TB

Checked By EH

Scale AS NOTED

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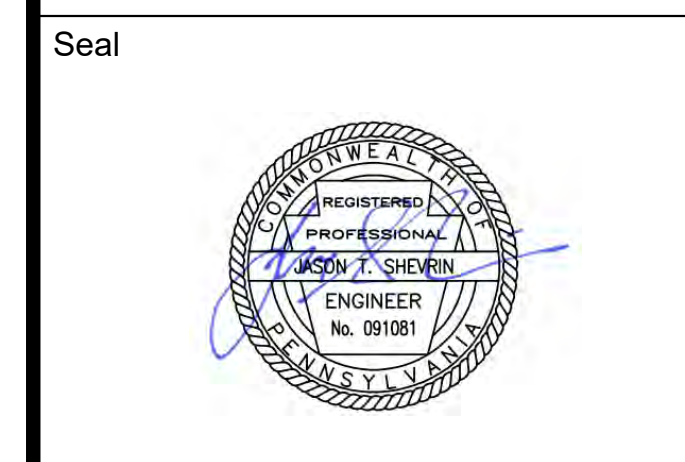
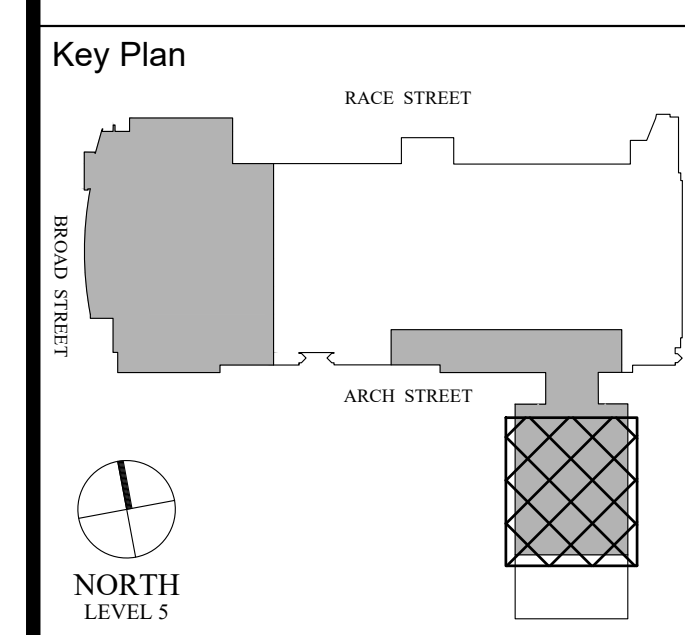
1 LEVEL 5 - DEMOLITION WAP PLAN BALLROOM 'W' S.E.
 SS1.503 Scale: 1/16" = 1'-0"

- DEMOLITION NOTES:**
- CONTRACTOR TO DISCONNECT AND REMOVE ALL WAP. SET ASIDE AND PROVIDE TO OWNER. MAKE EXISTING CABLE READY FOR NEW WORK.
 - CONTRACTOR TO REMOVE CAT6A CABLING FROM CAT6 PATCH PANEL AND TERMINATE IT ON A NEW 24-PORT CAT6A PATCH PANEL FOR WIFI CABLING ONLY.

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Architect
 Civil Engineer
 Structural Engineer



Revisions:

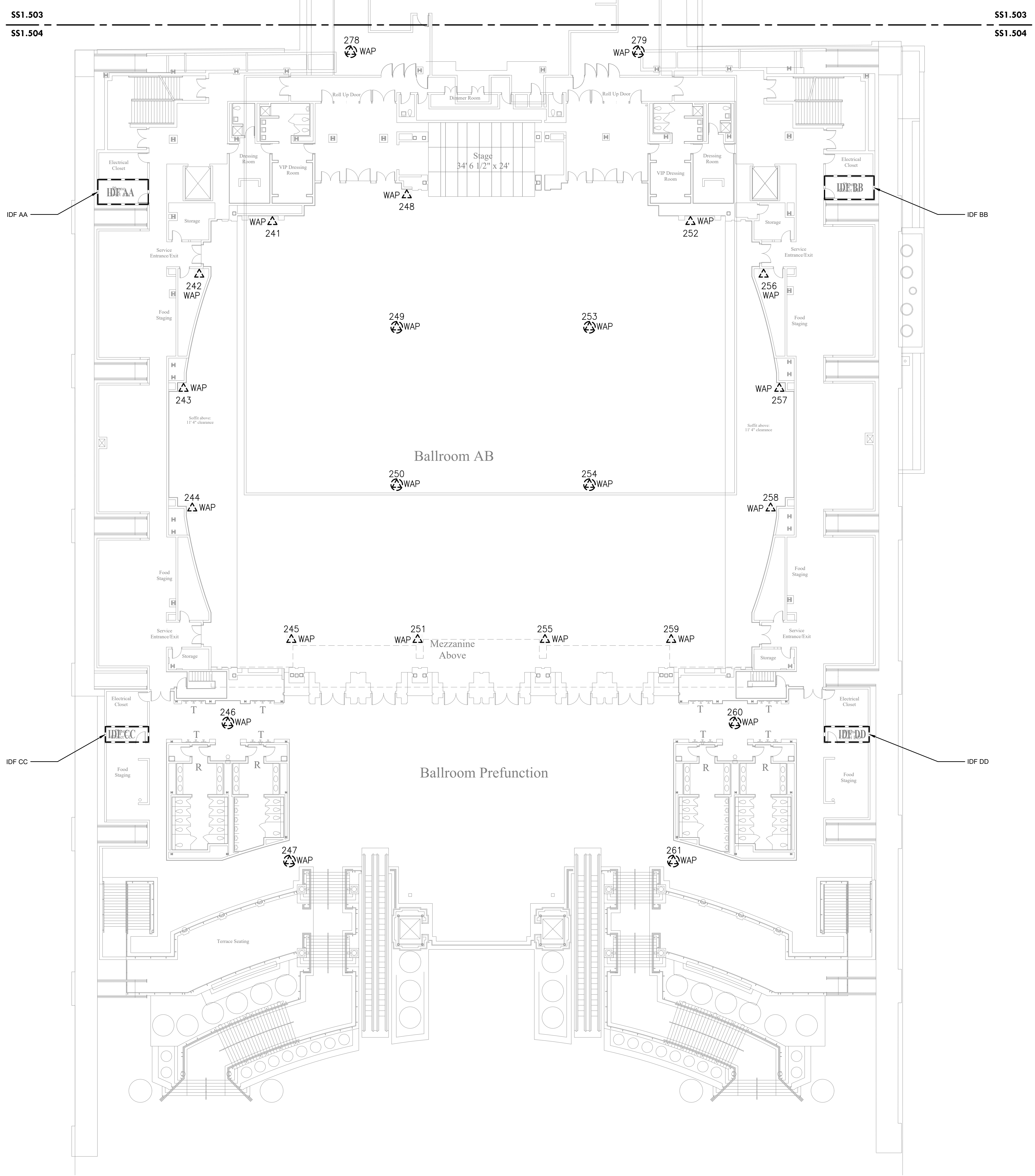
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LEVEL 5 - DEMOLITION WAP PLAN BALLROOM 'E' S.W

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|----------------|------------|
| Project Number | 128620.001 |
| Date | 2022-08-29 |
| Drawn By | TB |
| Checked By | EH |

SS1.504
 Scale AS NOTED



1 LEVEL 5 - DEMOLITION WAP PLAN BALLROOM 'E' S.W.
 Scale: 1/16" = 1'-0"

- DEMOLITION NOTES:**
- CONTRACTOR TO DISCONNECT AND REMOVE ALL WAP. SET ASIDE AND PROVIDE TO OWNER. MAKE EXISTING CABLE READY FOR NEW WORK.
 - CONTRACTOR TO REMOVE CAT6A CABLING FROM CAT6 PATCH PANEL AND TERMINATE IT ON A NEW 24-PORT CAT6A PATCH PANEL FOR WIFI CABLING ONLY.

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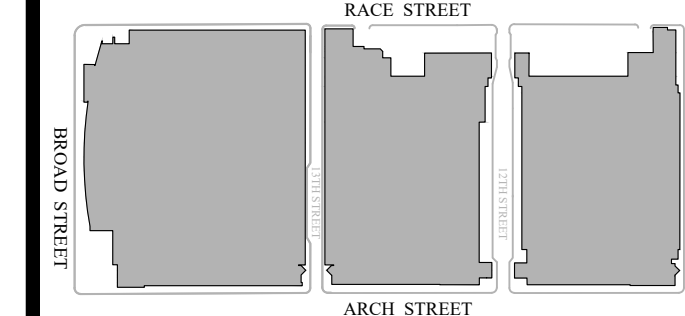
Architect

Civil Engineer

Structural Engineer



Key Plan



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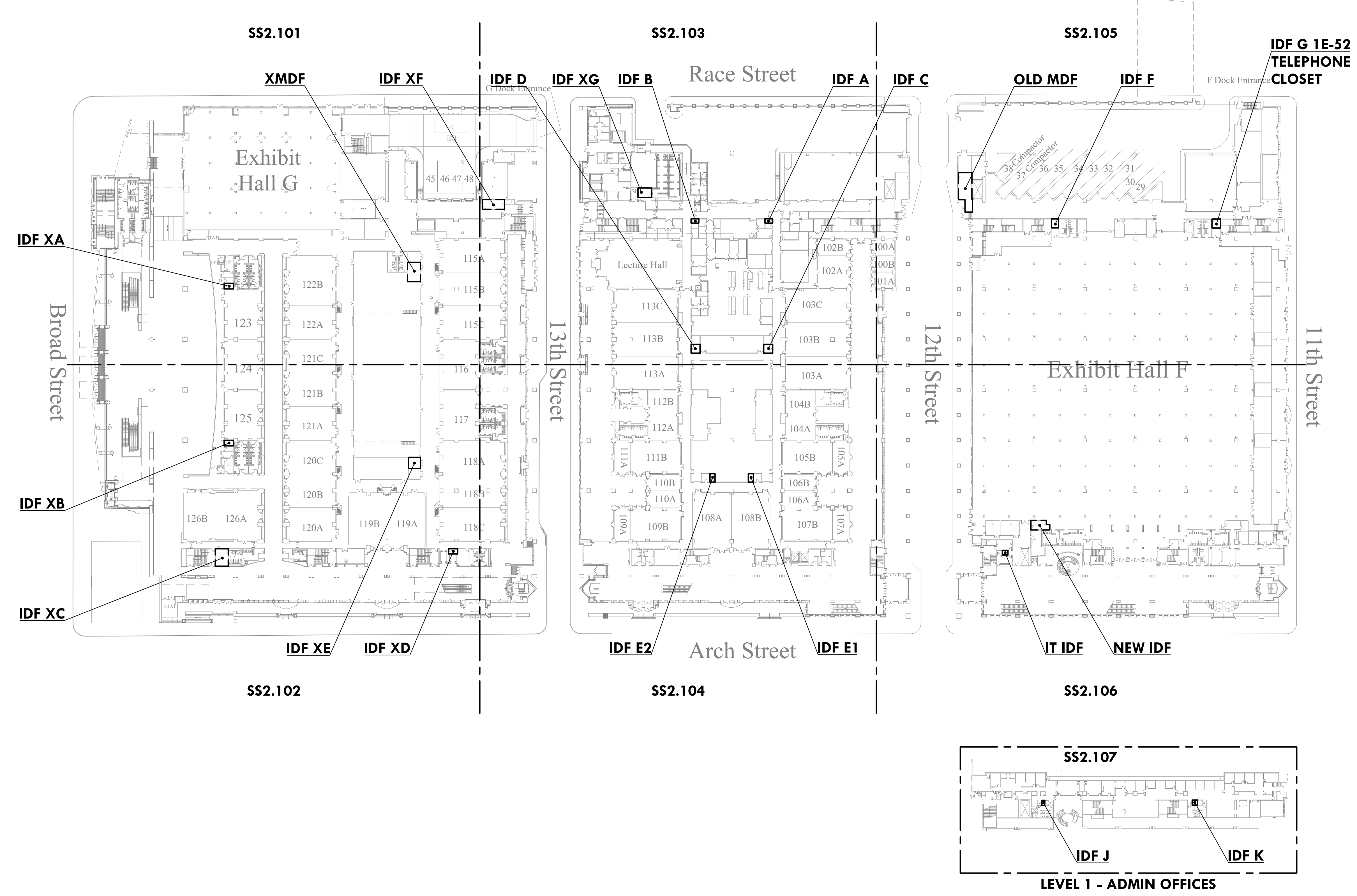
PCCA WiFi UPGRADES
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LEVEL 1 OVERALL KEY PLAN

| | |
|----------------|------------|
| Project Number | 128620.001 |
| Date | 2022-08-29 |
| Drawn By | TB |
| Checked By | EH |

SS2.100

Scale AS NOTED



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LEVEL 1 OVERALL KEY PLAN
 Scale: 1/64" = 1'-0"

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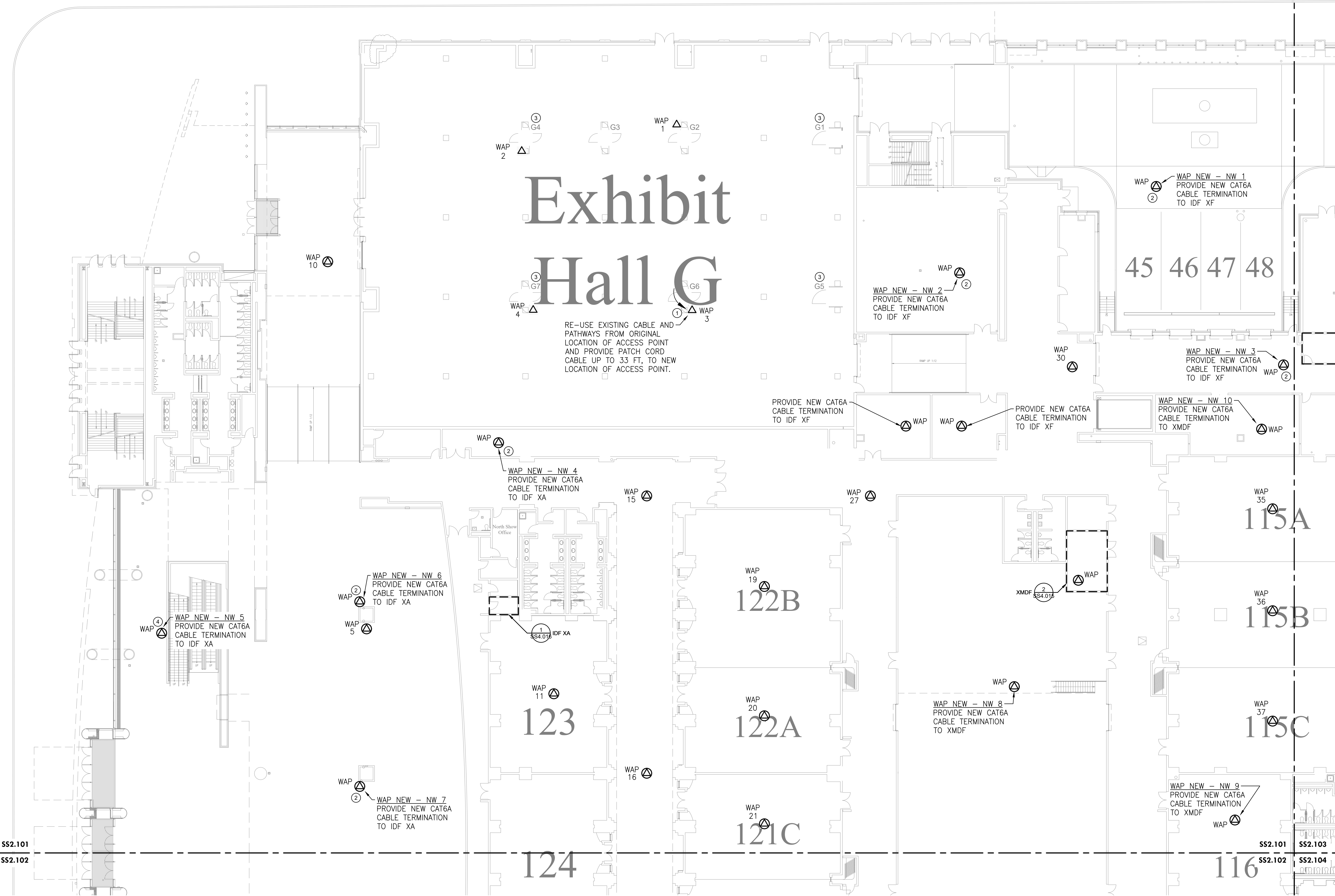
PCCA WiFi UPGRADES
 1101 ARCH STREET
 PHILADELPHIA, PA. 19107
PENNSYLVANIA CONVENTION CENTER AUTHORITY (PCCA)

LEVEL 1 - NEW WAP PLAN NW

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|----------------|------------|
| Project Number | 128620.001 |
| Date | 2022-08-29 |
| Drawn By | TB |
| Checked By | EH |
| SS2.101 | |
| Scale | AS NOTED |

SS2.101 SS2.103

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SS2.101
 SS2.102

LEVEL 1 - NEW WAP PLAN NW
 Scale: 1/16" = 1'-0"

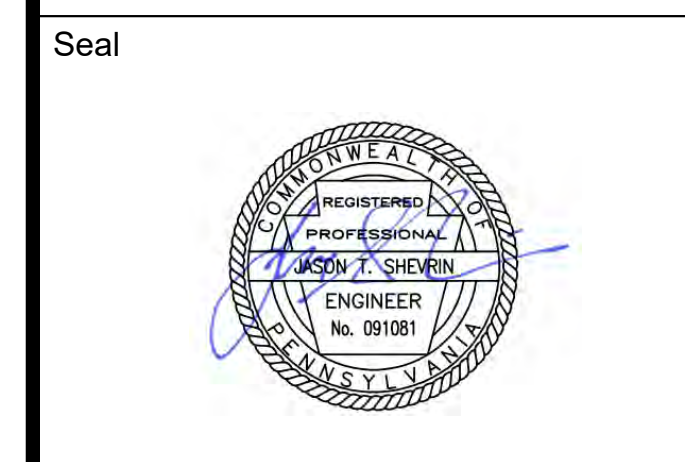
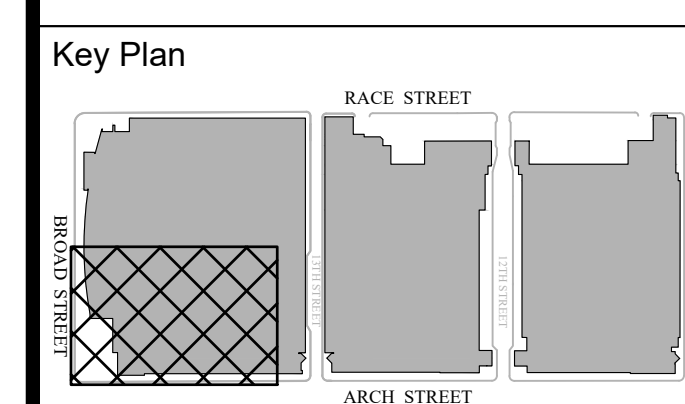
| DESCRIPTION | WIRELESS ACCESS POINT QUANTITIES | | |
|--------------|----------------------------------|-------------|------------|
| | EXISTING DEVICES | NEW DEVICES | NET CHANGE |
| TOTAL QTY | 18 | 30 | 12 |
| ACCESS POINT | 18 | 30 | 12 |
| TOTAL | 18 | 30 | 12 |

GENERAL NOTES:

- PROVIDE NEW ACCESS POINTS WIFI 6 OR BETTER. ACCESS POINTS TO REUSE MOUNTING BRACKETS OR OTHERWISE AS INDICATED WHEN DEVICE IS WALL-MOUNTED OR CEILING MOUNTED AS PROVIDED IN THE INSTALLATION DETAILS.

KEYED NOTES (X):

- RELOCATE ACCESS POINT TO OTHER SIDE OF COLUMN TO PROVIDE COVERAGE.
- PROVIDE ADDITIONAL ACCESS POINT TO PROVIDE COVERAGE.
- NETWORK SWITCH IS LOCATED INSIDE COLUMN FOR AP IN THE RESPECTIVE EXHIBIT HALL.
- CONTRACTOR TO PROVIDE NEW WAP AND CAT6A CABLING TO NEAREST IDF. SEE INSTALLATION DETAILS. TYPE 2 FOR WAP LOCATION IN THIS AREA.



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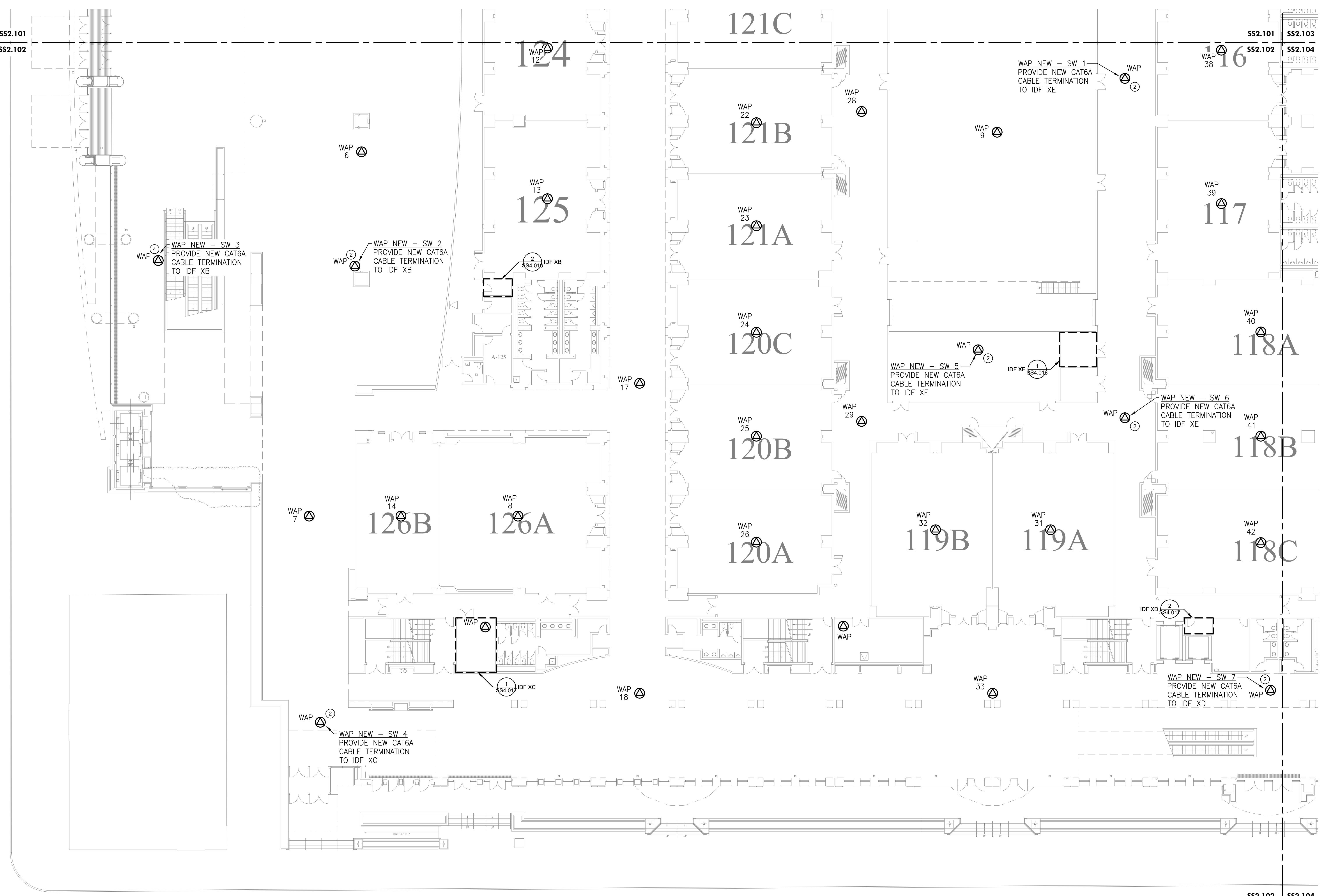
LEVEL 1 - NEW WAP PLAN SW

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|----------------|------------|
| Project Number | 128620.001 |
| Date | 2022-08-29 |
| Drawn By | TB |
| Checked By | EH |

SS2.102

Scale AS NOTED

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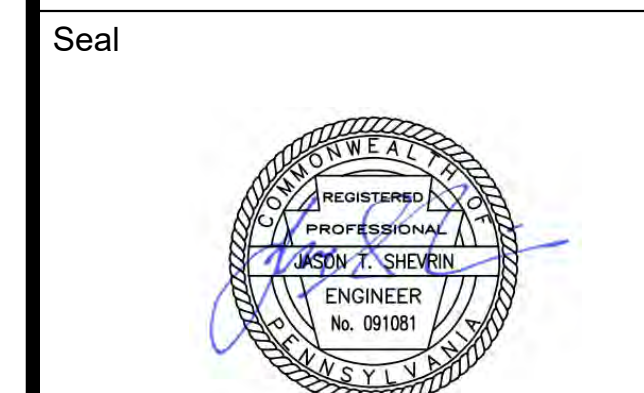
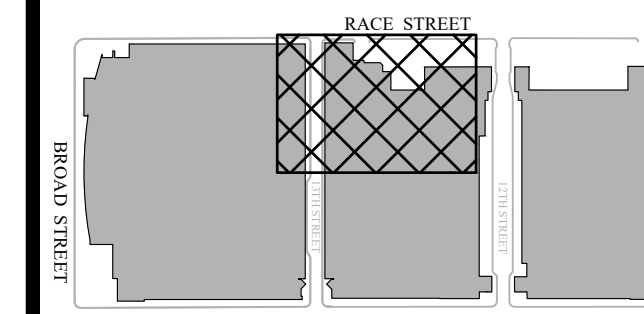
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 SS2.102
LEVEL 1 - NEW WAP PLAN SW
 Scale: 1/16" = 1'-0"

| DESCRIPTION | WIRELESS ACCESS POINT QUANTITIES | | |
|--------------|----------------------------------|-------------|------------|
| | EXISTING DEVICES | NEW DEVICES | NET CHANGE |
| ACCESS POINT | 24 | 32 | 8 |
| TOTAL | 24 | 32 | 8 |

GENERAL NOTES:
 1. PROVIDE NEW ACCESS POINTS WIFI 6 OR BETTER. ACCESS POINTS TO REUSE MOUNTING BRACKETS OR OTHERWISE AS INDICATED WHEN DEVICE IS WALL-MOUNTED OR CEILING MOUNTED AS PROVIDED IN THE INSTALLATION DETAILS.

KEYED NOTES (X):
 1. RELOCATE ACCESS POINT TO OTHER SIDE OF COLUMN TO PROVIDE COVERAGE.
 2. PROVIDE ADDITIONAL ACCESS POINT TO PROVIDE COVERAGE.
 3. NOT USED.
 4. CONTRACTOR TO PROVIDE NEW WAP AND CAT6A CABLING TO NEAREST IDF. SEE INSTALLATION DETAILS, TYPE 2 FOR WAP LOCATION IN THIS AREA.

Race Street



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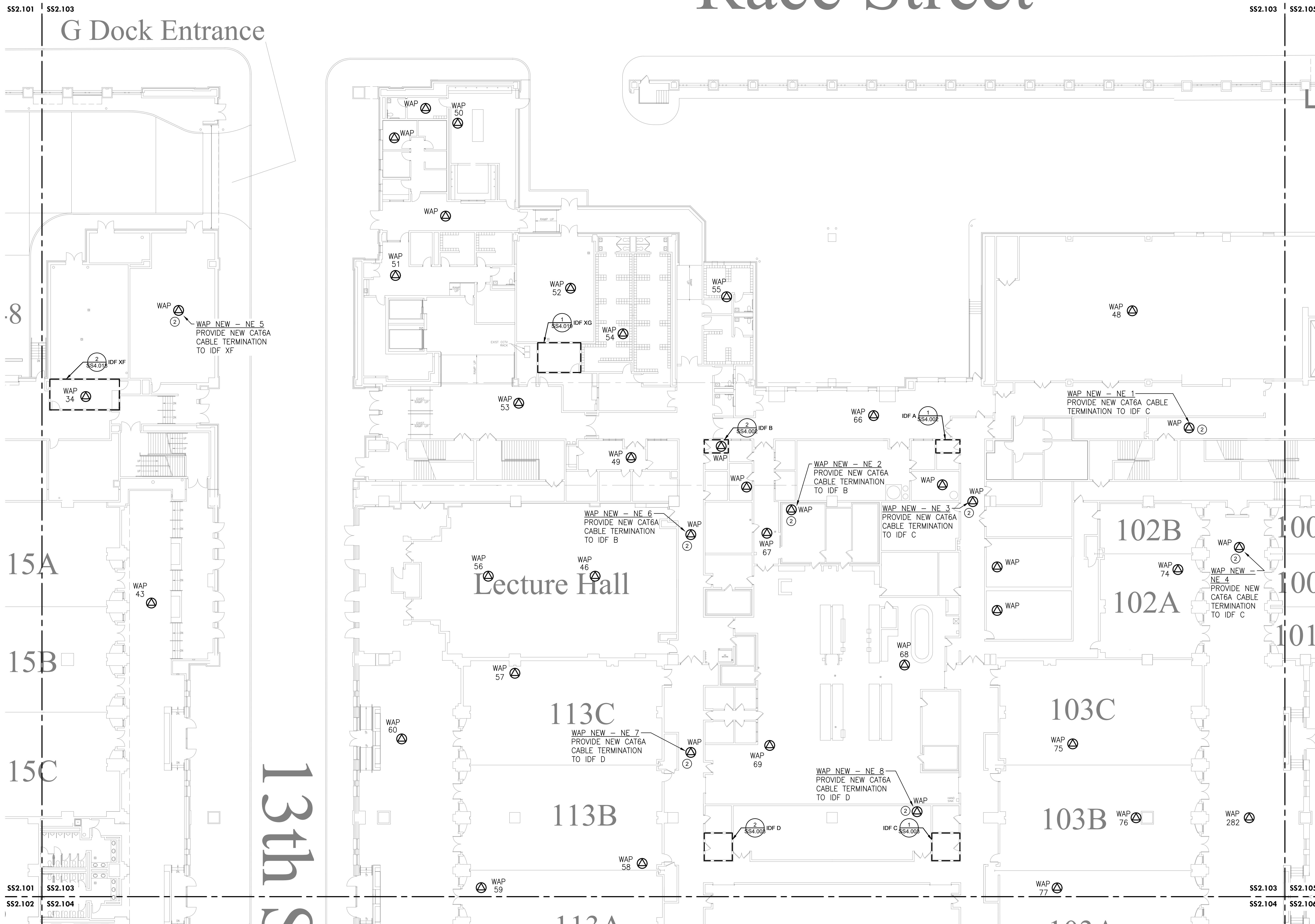
PCCA WiFi UPGRADES
 1101 ARCH STREET
 PHILADELPHIA, PA. 19107
 PENNSYLVANIA
 CONVENTION CENTER
 AUTHORITY (PCCA)

LEVEL 1 - NEW WAP PLAN NE

| | |
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| Project Number | 128620.001 |
| Date | 2022-08-29 |
| Drawn By | TB |
| Checked By | EH |

SS2.103

Scale AS NOTED



1 LEVEL 1 - NEW WAP PLAN NE
 Scale: 1/16" = 1'-0"

| DESCRIPTION | WIRELESS ACCESS POINT QUANTITIES | | |
|--------------|----------------------------------|-------------|------------|
| | EXISTING DEVICES | NEW DEVICES | NET CHANGE |
| ACCESS POINT | 25 | 41 | 16 |
| TOTAL | 25 | 41 | 16 |

GENERAL NOTES:

- PROVIDE NEW ACCESS POINTS WIFI 6 OR BETTER. ACCESS POINTS TO REUSE MOUNTING BRACKETS OR OTHERWISE AS INDICATED WHEN DEVICE IS WALL-MOUNTED OR CEILING MOUNTED AS PROVIDED IN THE INSTALLATION DETAILS.

KEYED NOTES (X):

- NOT USED.
- PROVIDE ADDITIONAL ACCESS POINT TO PROVIDE COVERAGE.

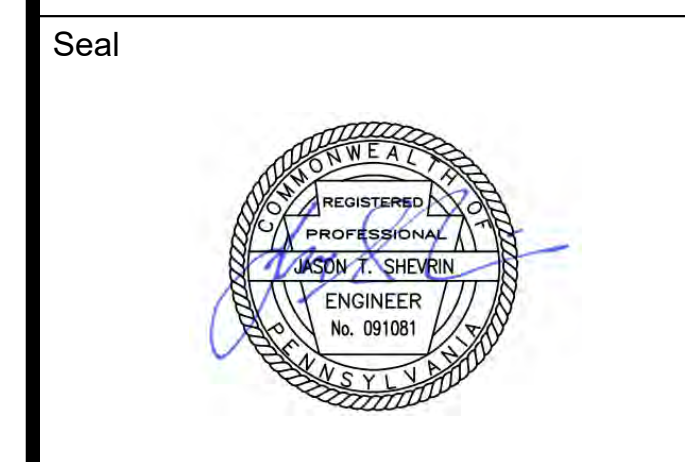
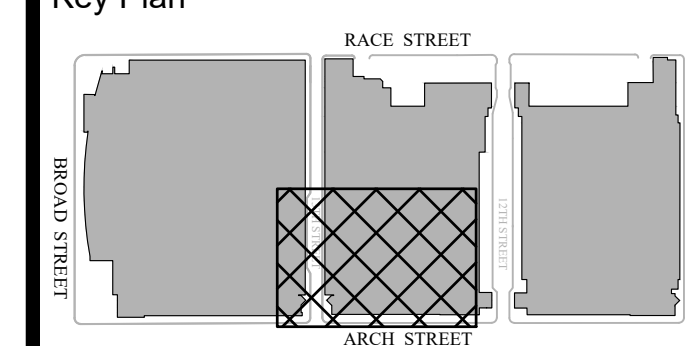
Architect

Civil Engineer

Structural Engineer



Key Plan



Revisions:

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LEVEL 1 - NEW WAP PLAN SE

Project Number 128620.001

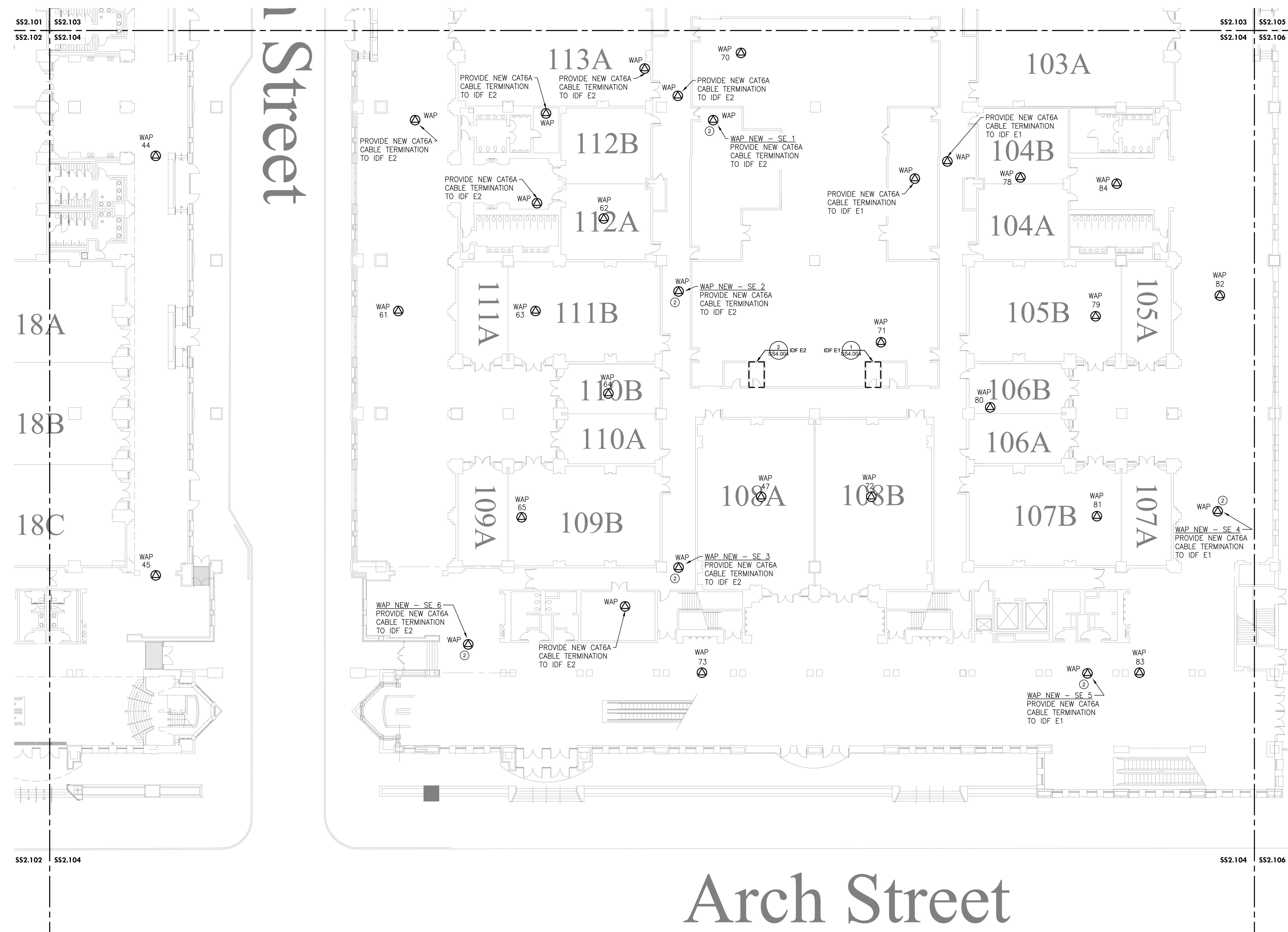
Date 2022-08-29

Drawn By TB

Checked By EH

SS2.104

Scale AS NOTED



Arch Street

1 LEVEL 1 - NEW WAP PLAN SE
 Scale: 1/16" = 1'-0"

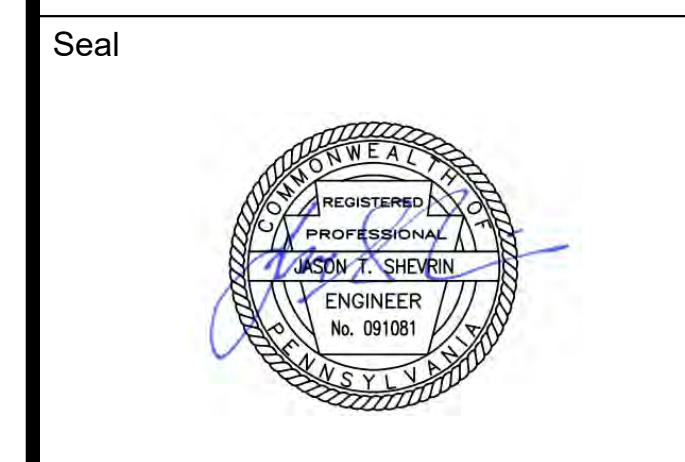
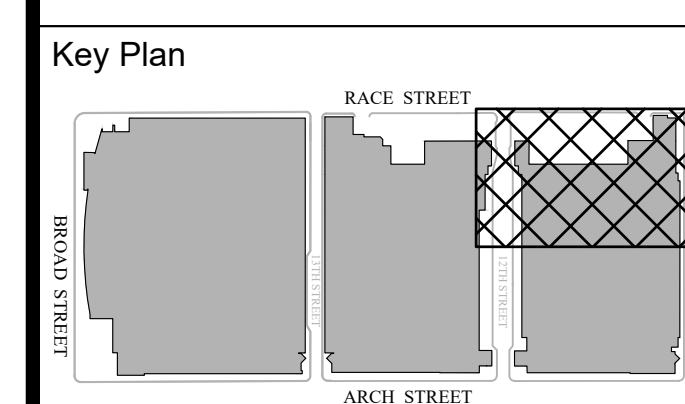
| DESCRIPTION | WIRELESS ACCESS POINT QUANTITIES | | |
|--------------|----------------------------------|-------------|------------|
| | EXISTING DEVICES | NEW DEVICES | NET CHANGE |
| ACCESS POINT | 19 | 33 | 14 |
| TOTAL | 19 | 33 | 14 |

GENERAL NOTES:

- PROVIDE NEW ACCESS POINTS WIFI 6 OR BETTER. ACCESS POINTS TO REUSE MOUNTING BRACKETS OR OTHERWISE AS INDICATED WHEN DEVICE IS WALL-MOUNTED OR CEILING MOUNTED AS PROVIDED IN THE INSTALLATION DETAILS.

KEYED NOTES (X):

- NOT USED.
- PROVIDE ADDITIONAL ACCESS POINT TO PROVIDE COVERAGE.



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LEVEL 1 - NEW WAP PLAN NE EXHIBIT HALL F

Project Number 128620.001

Date 2022-08-29

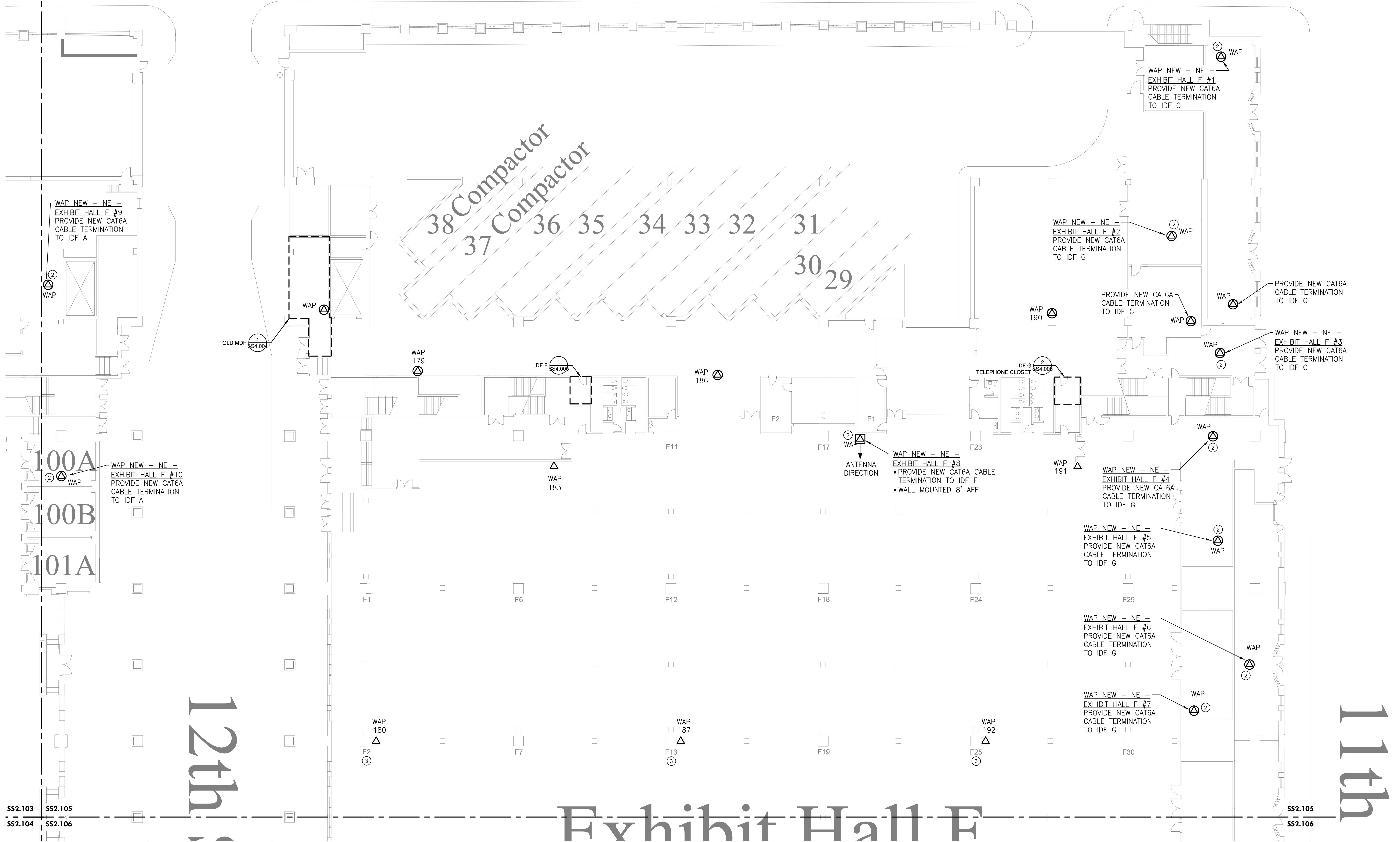
Drawn By TB

Checked By EH

SS2.105

Scale AS NOTED

SS2.103 SS2.105



100A
 100B
 101A

12th

Exhibit Hall F

11th

1
 SS2.105
 LEVEL 1 - NEW WAP PLAN NE EXHIBIT HALL F
 Scale: 1/16" = 1'-0"

| DESCRIPTION | WIRELESS ACCESS POINT QUANTITIES | | |
|--------------|----------------------------------|-------------|------------|
| | EXISTING DEVICES | NEW DEVICES | NET CHANGE |
| ACCESS POINT | 9 | 21 | 12 |
| TOTAL | 9 | 21 | 12 |

GENERAL NOTES:
 1. PROVIDE NEW ACCESS POINTS WIFI 6 OR BETTER. ACCESS POINTS TO REUSE MOUNTING BRACKETS OR OTHERWISE AS INDICATED WHEN DEVICE IS WALL-MOUNTED OR CEILING MOUNTED AS PROVIDED IN THE INSTALLATION DETAILS.

KEYED NOTES (X):
 1. NOT USED.
 2. PROVIDE ADDITIONAL ACCESS POINT TO PROVIDE COVERAGE.
 3. NETWORK SWITCH IS LOCATED INSIDE COLUMN FOR AP IN THE RESPECTIVE EXHIBIT HALL.

Exhibit Hall F

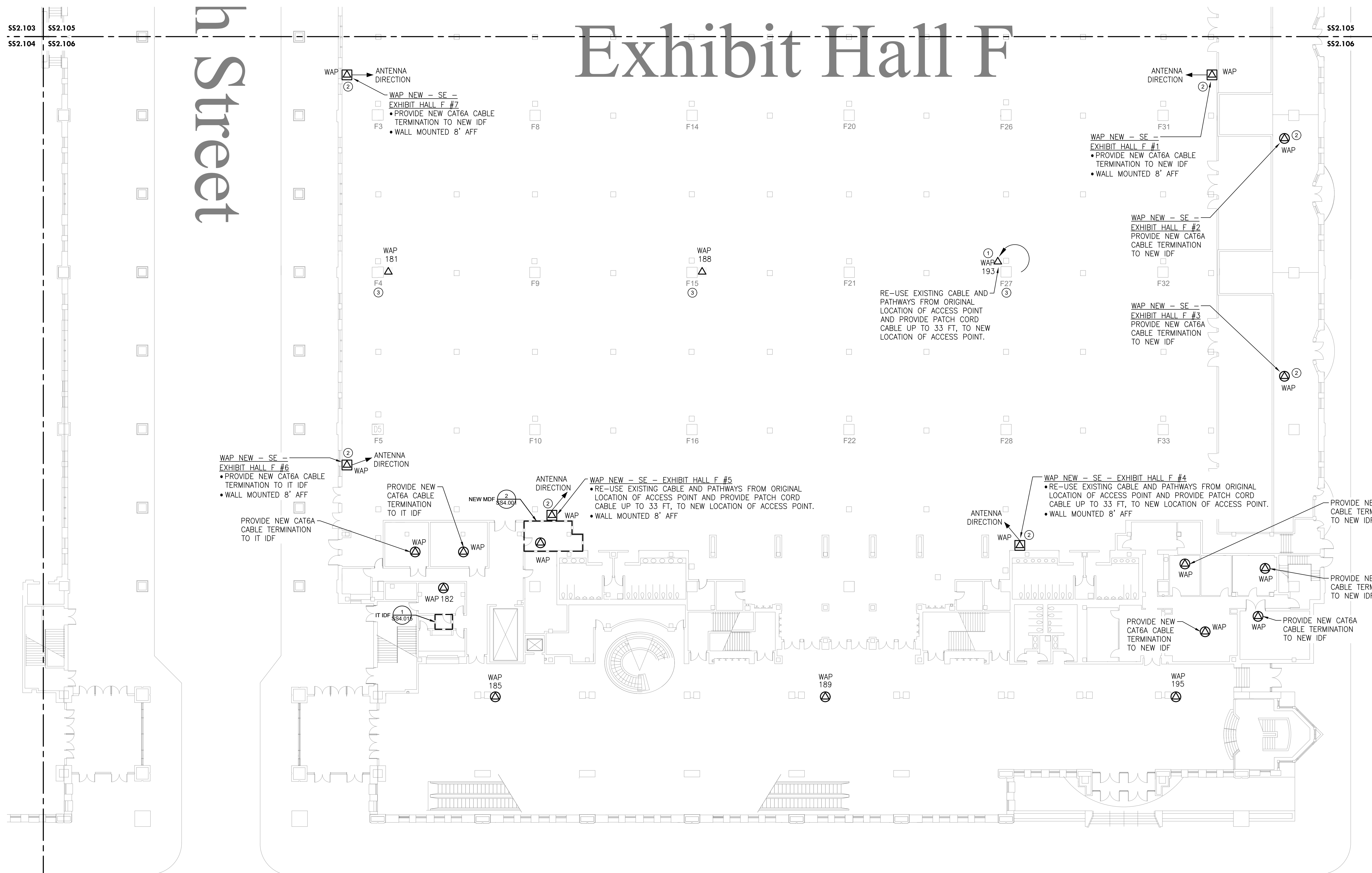
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SS2.103 SS2.105
 SS2.104 SS2.106

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SS2.104 SS2.106

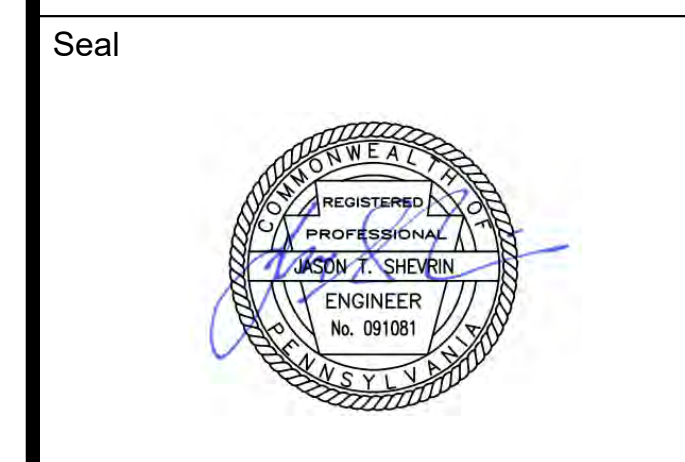
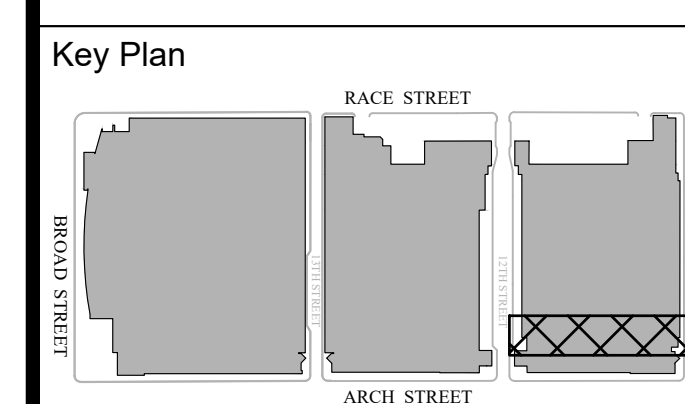
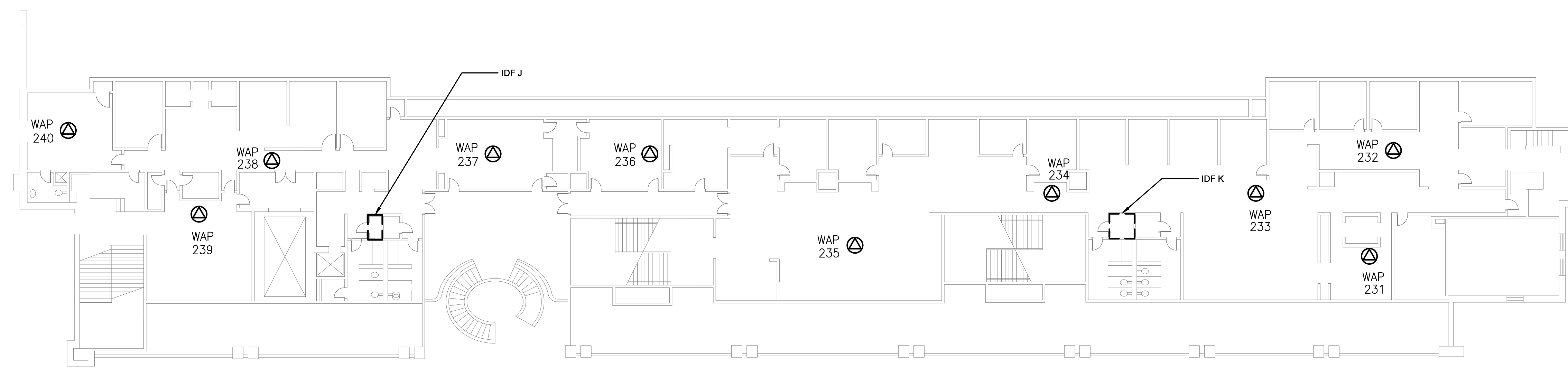


1 LEVEL 1 - NEW WAP PLAN SE EXHIBIT HALL F
 Scale: 1/16" = 1'-0"

| DESCRIPTION | WIRELESS ACCESS POINT QUANTITIES | | |
|--------------|----------------------------------|-------------|------------|
| | EXISTING DEVICES | NEW DEVICES | NET CHANGE |
| ACCESS POINT | 10 | 23 | 13 |
| TOTAL | 10 | 23 | 13 |

GENERAL NOTES:
 1. PROVIDE NEW ACCESS POINTS WIFI 6 OR BETTER. ACCESS POINTS TO REUSE MOUNTING BRACKETS OR OTHERWISE AS INDICATED WHEN DEVICE IS WALL-MOUNTED OR CEILING MOUNTED AS PROVIDED IN THE INSTALLATION DETAILS.

KEYED NOTES (X):
 1. RELOCATE ACCESS POINT TO OTHER SIDE OF COLUMN TO PROVIDE COVERAGE.
 2. PROVIDE ADDITIONAL ACCESS POINT TO PROVIDE COVERAGE.
 3. NETWORK SWITCH IS LOCATED INSIDE COLUMN FOR AP IN THE RESPECTIVE EXHIBIT HALL.



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**LEVEL 1 - NEW WAP PLAN
 ADMIN OFFICES**

| | |
|----------------|------------|
| Project Number | 128620.001 |
| Date | 2022-08-29 |
| Drawn By | TB |
| Checked By | EH |
| SS2.107 | |
| Scale | AS NOTED |

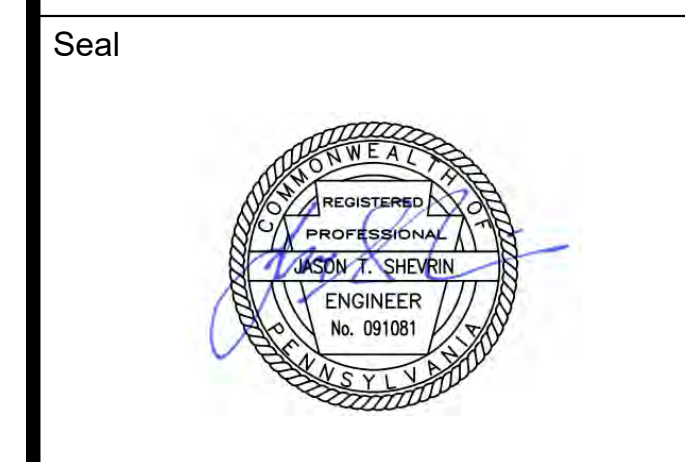
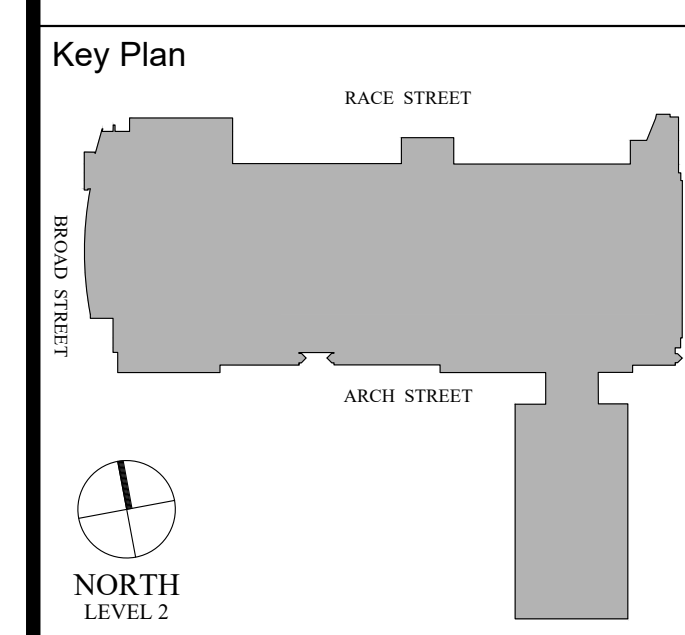
1
 SS2.107 **LEVEL 1 - NEW WAP PLAN ADMIN OFFICES**
 Scale: 1/16" = 1'-0"

| DESCRIPTION | WIRELESS ACCESS POINT QUANTITIES | | |
|--------------|----------------------------------|--------------------------|-------------------------|
| | EXISTING DEVICES TOTAL QTY | NEW DEVICES TOTAL QTY | NET CHANGE TOTAL QTY |
| ACCESS POINT | 10 | 10 | 0 |
| TOTAL | 10 | 10 | 0 |

GENERAL NOTES:
 1. PROVIDE NEW ACCESS POINTS WIFI 6 OR BETTER.
 ACCESS POINTS TO REUSE MOUNTING BRACKETS OR
 OTHERWISE AS INDICATED WHEN DEVICE IS
 WALL-MOUNTED OR CEILING MOUNTED AS PROVIDED IN
 THE INSTALLATION DETAILS.

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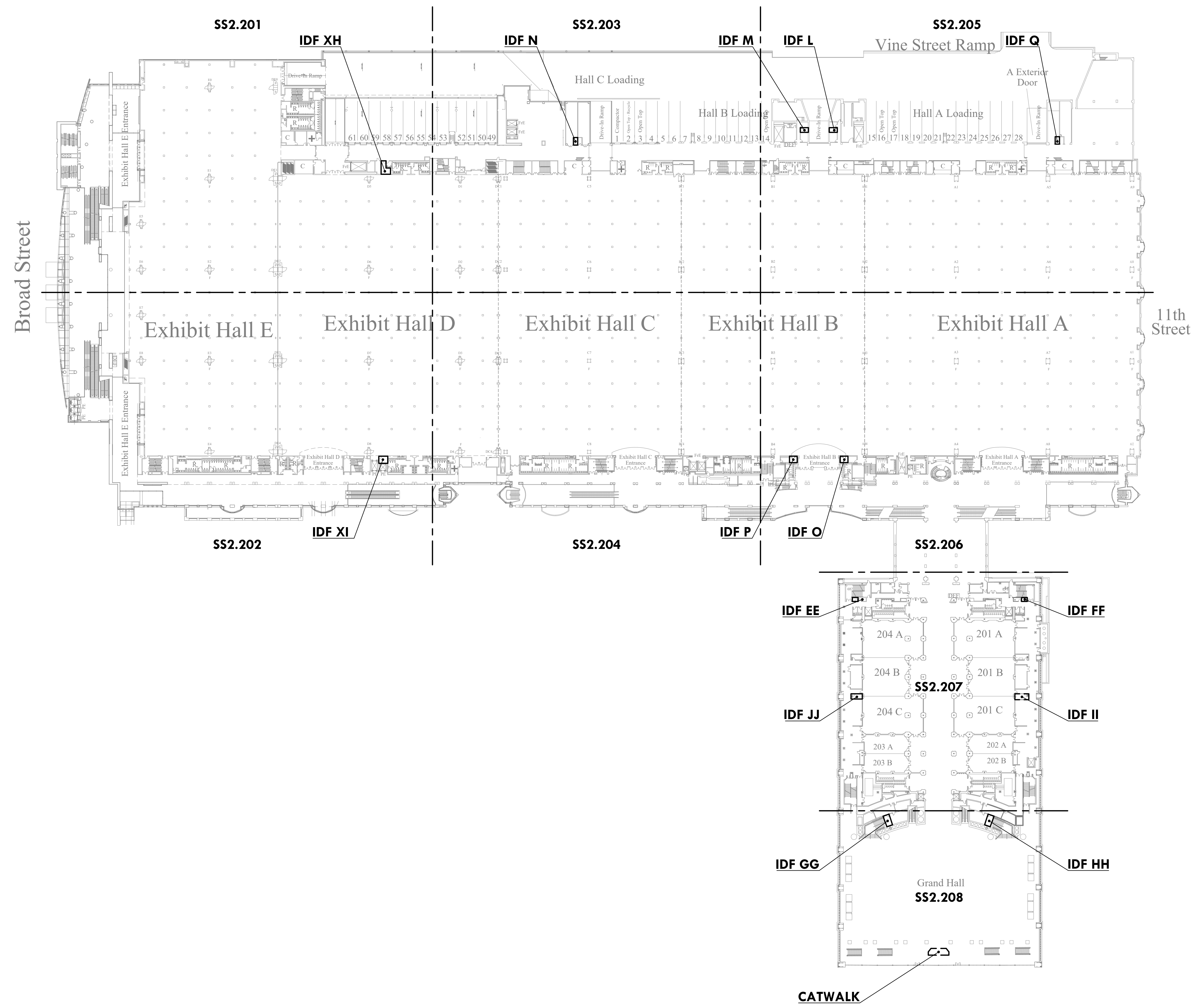
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LEVEL 2 OVERALL KEY PLAN

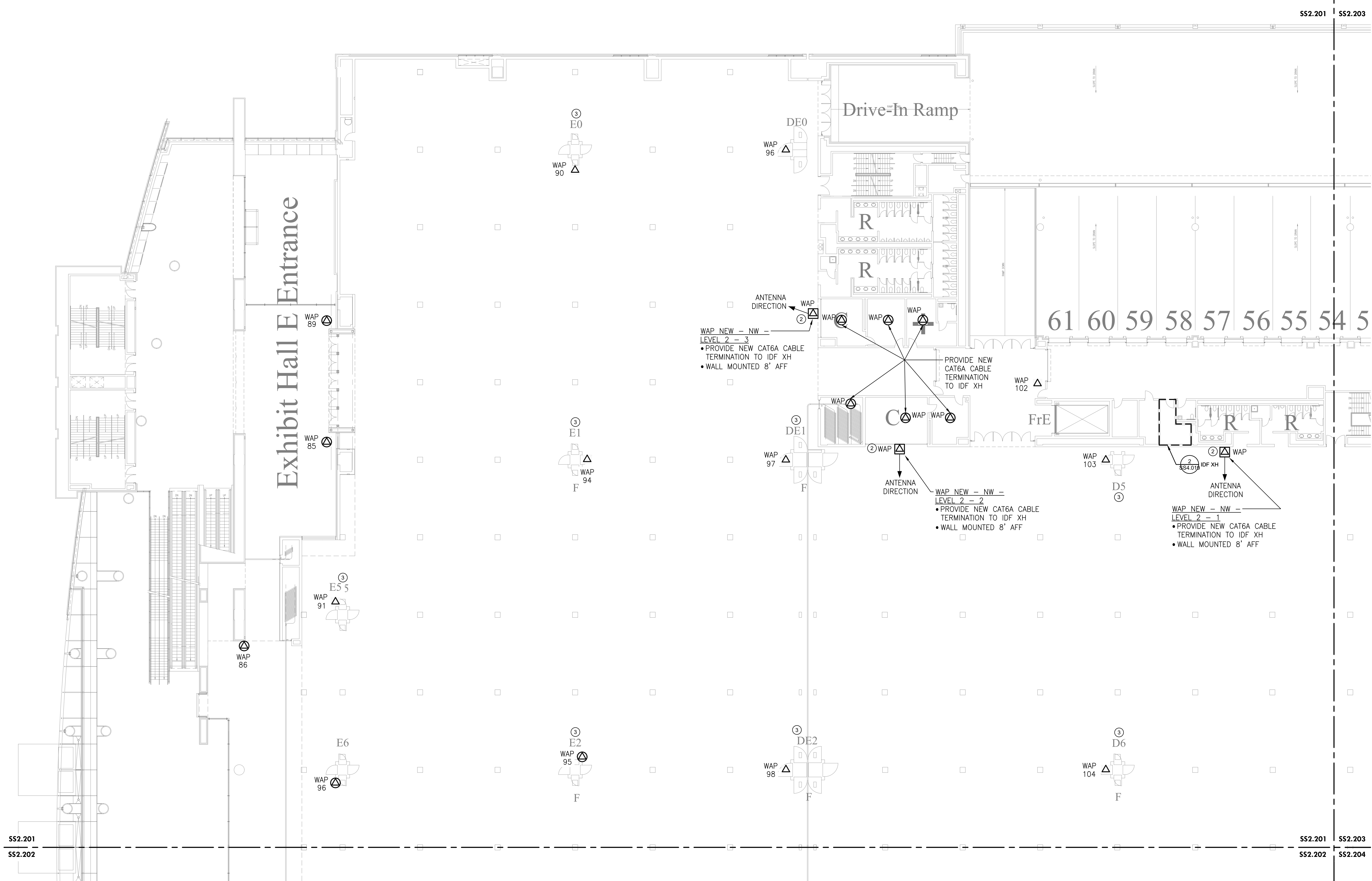
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| Project Number | 128620.001 |
| Date | 2022-08-29 |
| Drawn By | TB |
| Checked By | EH |

SS2.200
 Scale AS NOTED



1 LEVEL 2 OVERALL KEY PLAN
 SS2.200 Scale: 1/64" = 1'-0"

Rad Street



1
SS2.201
LEVEL 2 - NEW WAP PLAN NW
Scale: 1/16" = 1'-0"

| DESCRIPTION | WIRELESS ACCESS POINT QUANTITIES | | |
|--------------|----------------------------------|-------------|------------|
| | EXISTING DEVICES | NEW DEVICES | NET CHANGE |
| ACCESS POINT | 14 | 23 | 9 |
| TOTAL | 14 | 23 | 9 |

GENERAL NOTES:

1. PROVIDE NEW ACCESS POINTS WIFI 6 OR BETTER. ACCESS POINTS TO REUSE MOUNTING BRACKETS OR OTHERWISE AS INDICATED WHEN DEVICE IS WALL-MOUNTED OR CEILING MOUNTED AS PROVIDED IN THE INSTALLATION DETAILS.

KEYED NOTES (X):

1. NOT USED.
2. PROVIDE ADDITIONAL ACCESS POINT TO PROVIDE COVERAGE.
3. NETWORK SWITCH IS LOCATED INSIDE COLUMN FOR AP IN THE RESPECTIVE EXHIBIT HALL.

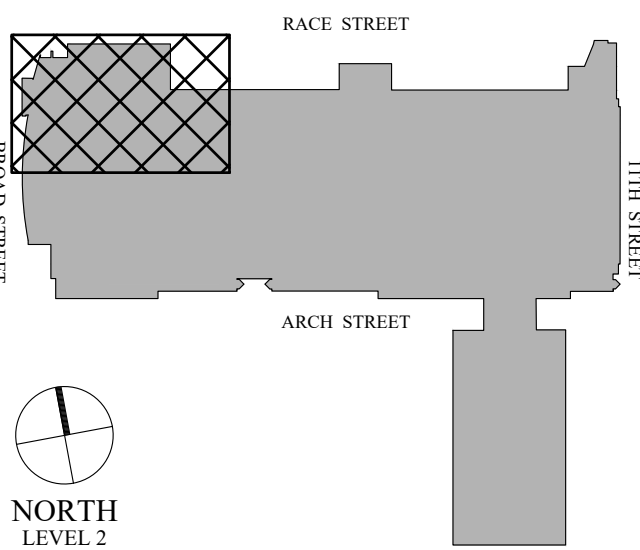
Architect

Civil Engineer

Structural Engineer



Key Plan



Seal



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LEVEL 2 - NEW WAP PLAN NW

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| Project Number | 128620.001 |
| Date | 2022-08-29 |
| Drawn By | TB |
| Checked By | EH |

SS2.201

Scale AS NOTED

100% SUBMISSION

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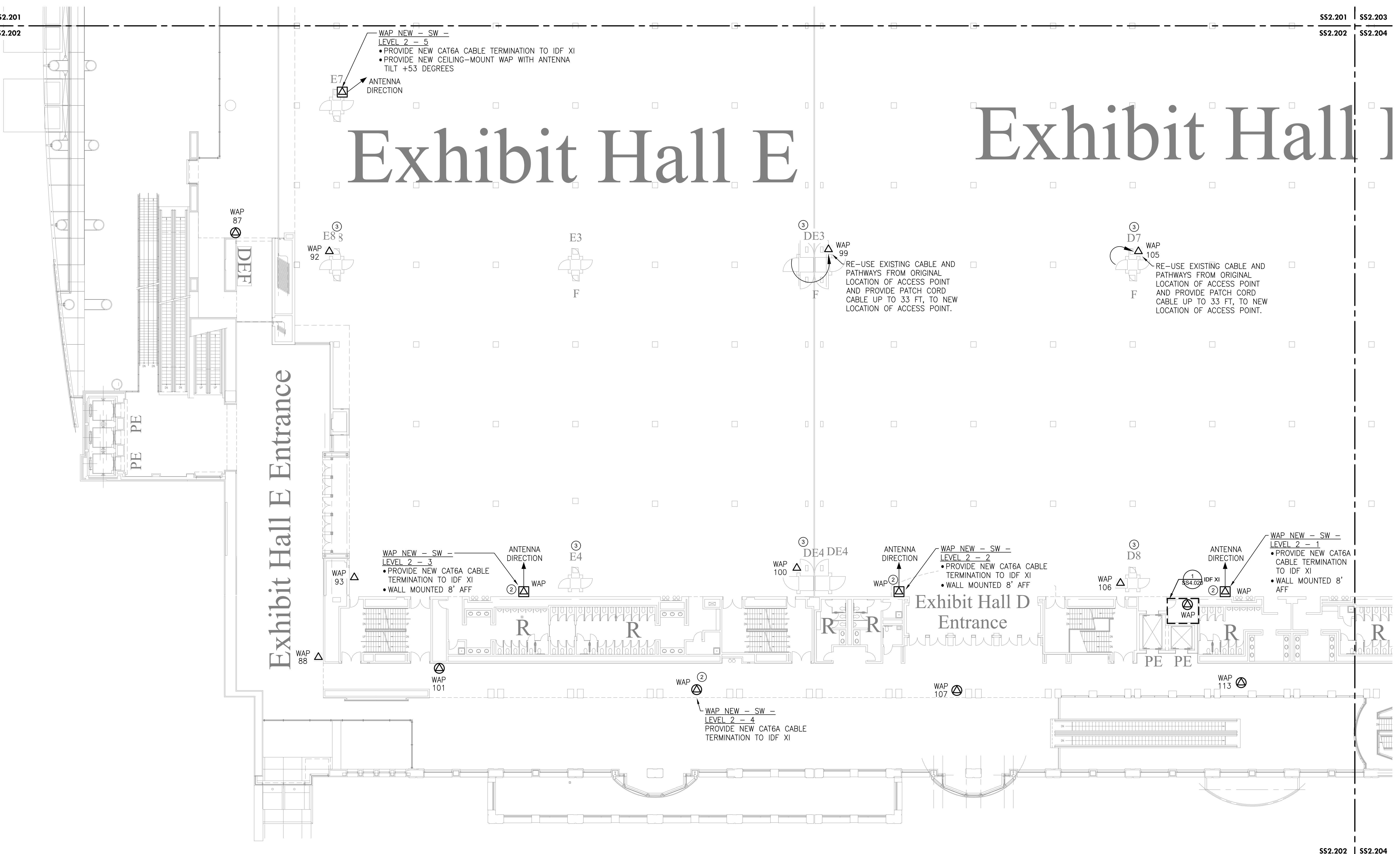
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SS2.201
SS2.202

SS2.203
SS2.204

Exhibit Hall E

Exhibit Hall D



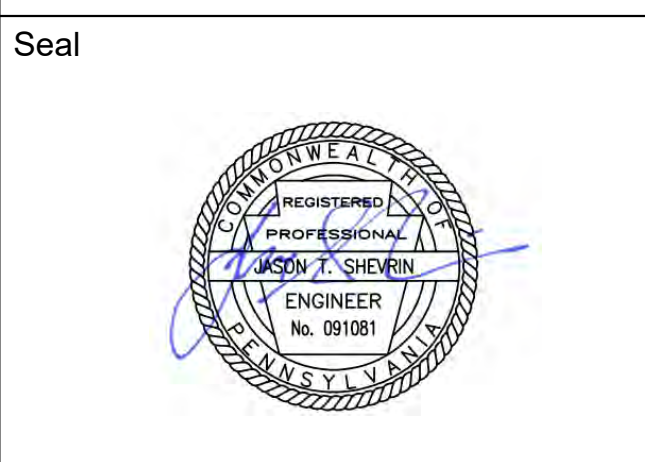
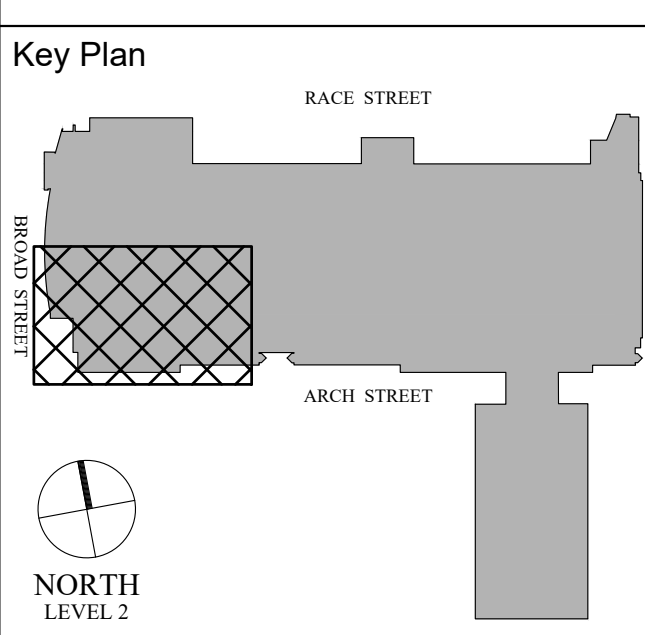
MEP / FP Engineer

ARORA ENGINEERS, INC.
 1600 MARKET STREET, SUITE 1630
 PHILADELPHIA, PA. 19103
 215.372.1365

Architect

Civil Engineer

Structural Engineer



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LEVEL 2 - NEW WAP PLAN SW

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| Project Number | 128620.001 |
| Date | 2022-08-29 |
| Drawn By | TB |
| Checked By | EH |

SS2.202

Scale AS NOTED

1 LEVEL 2 - NEW WAP PLAN SW
 Scale: 1/16" = 1'-0"

| DESCRIPTION | WIRELESS ACCESS POINT QUANTITIES | | |
|--------------|----------------------------------|-------------|------------|
| | EXISTING DEVICES | NEW DEVICES | NET CHANGE |
| ACCESS POINT | TOTAL QTY | TOTAL QTY | TOTAL QTY |
| | 11 | 17 | 6 |
| TOTAL | 11 | 17 | 6 |

GENERAL NOTES:

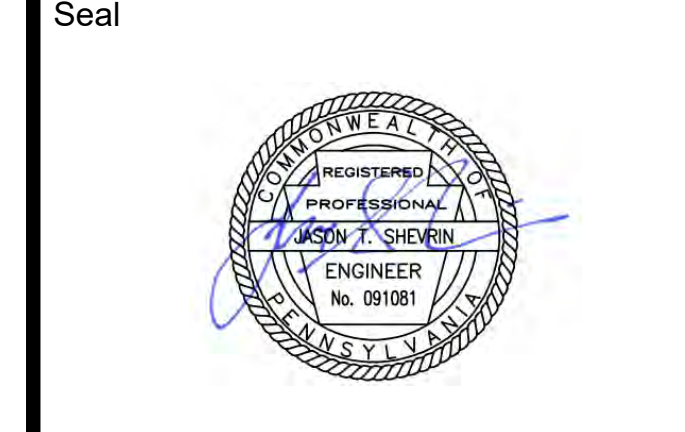
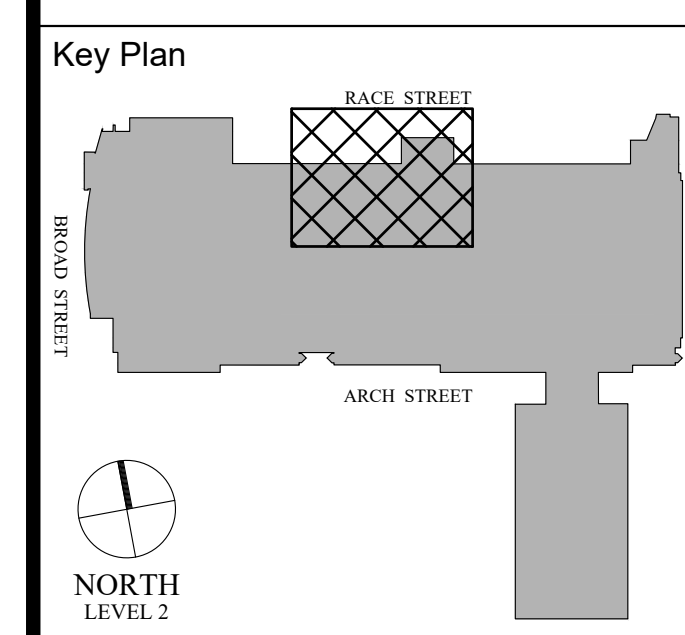
- PROVIDE NEW ACCESS POINTS WIFI 6 OR BETTER. ACCESS POINTS TO REUSE MOUNTING BRACKETS OR OTHERWISE AS INDICATED WHEN DEVICE IS WALL-MOUNTED OR CEILING MOUNTED AS PROVIDED IN THE INSTALLATION DETAILS.

KEYED NOTES (X):

- NOT USED.
- PROVIDE ADDITIONAL ACCESS POINT TO PROVIDE COVERAGE.
- NETWORK SWITCH IS LOCATED INSIDE COLUMN FOR AP IN THE RESPECTIVE EXHIBIT HALL.

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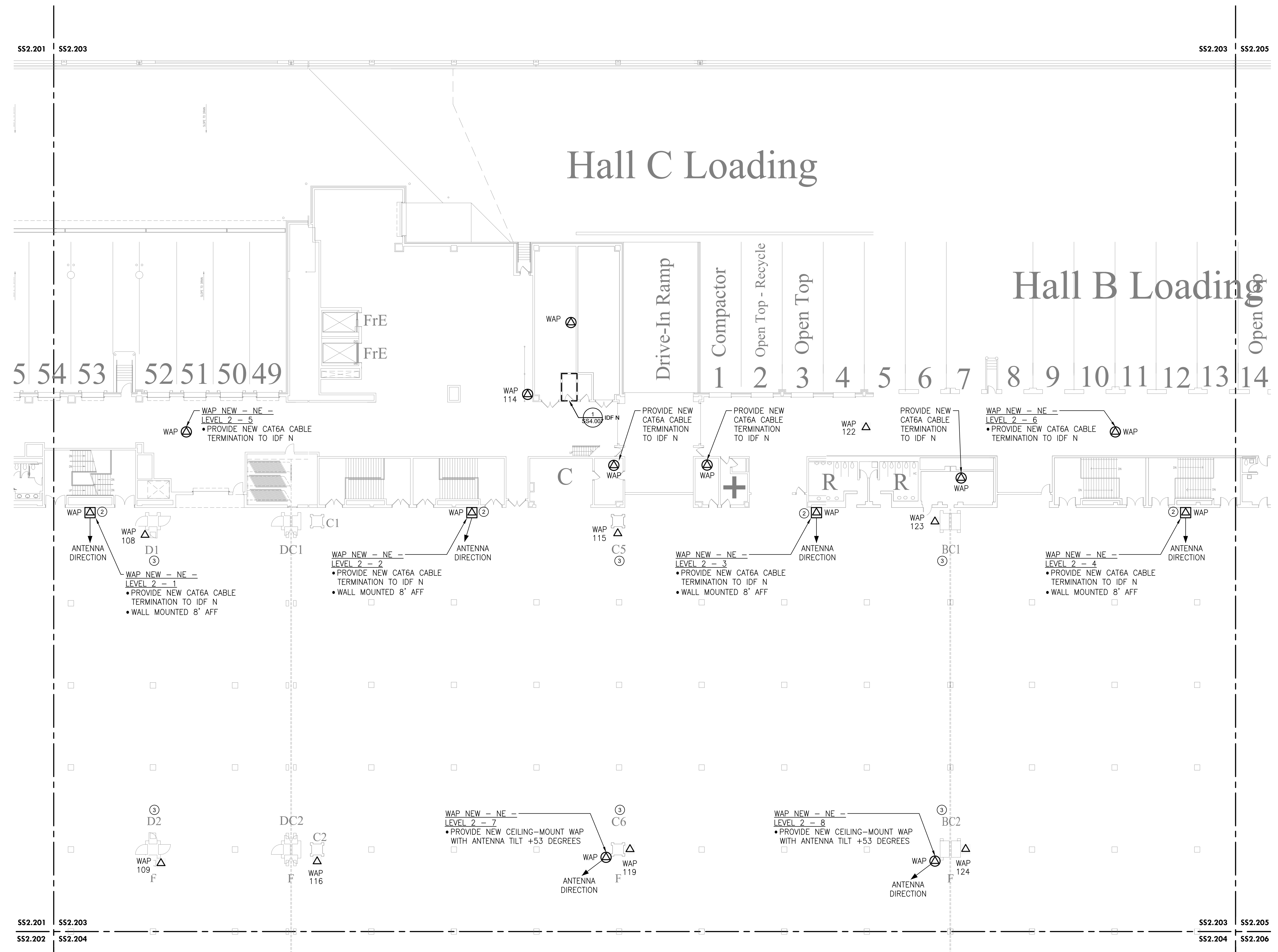
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LEVEL 2 - NEW WAP PLAN NE

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| Project Number | 128620.001 |
| Date | 2022-08-29 |
| Drawn By | TB |
| Checked By | EH |

SS2.203
 Scale AS NOTED



1 LEVEL 2 - NEW WAP PLAN NE
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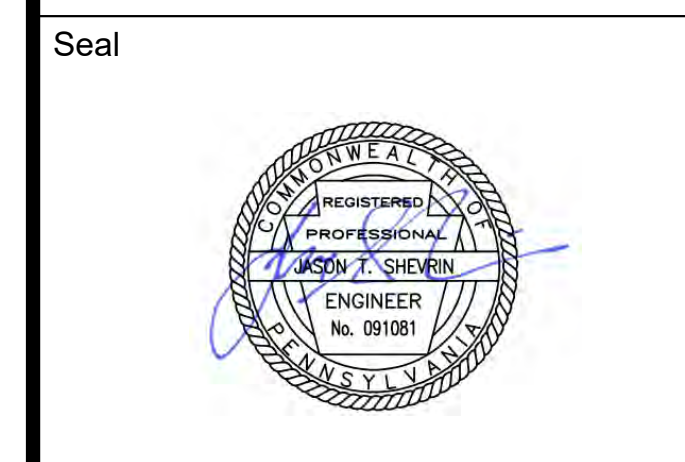
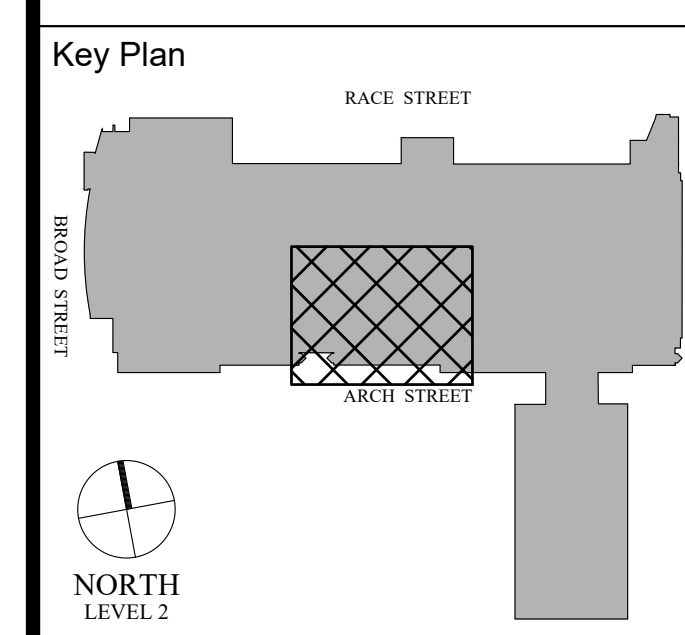
| DESCRIPTION | WIRELESS ACCESS POINT QUANTITIES | | |
|--------------|----------------------------------|-------------|------------|
| | EXISTING DEVICES | NEW DEVICES | NET CHANGE |
| ACCESS POINT | 10 | 21 | 11 |
| TOTAL | 10 | 21 | 11 |

GENERAL NOTES:
 1. PROVIDE NEW ACCESS POINTS WIFI 6 OR BETTER. ACCESS POINTS TO REUSE MOUNTING BRACKETS OR OTHERWISE AS INDICATED WHEN DEVICE IS WALL-MOUNTED OR CEILING MOUNTED AS PROVIDED IN THE INSTALLATION DETAILS.

KEYED NOTES (X):
 1. NOT USED.
 2. PROVIDE ADDITIONAL ACCESS POINT TO PROVIDE COVERAGE.
 3. NETWORK SWITCH IS LOCATED INSIDE COLUMN FOR AP IN THE RESPECTIVE EXHIBIT HALL.

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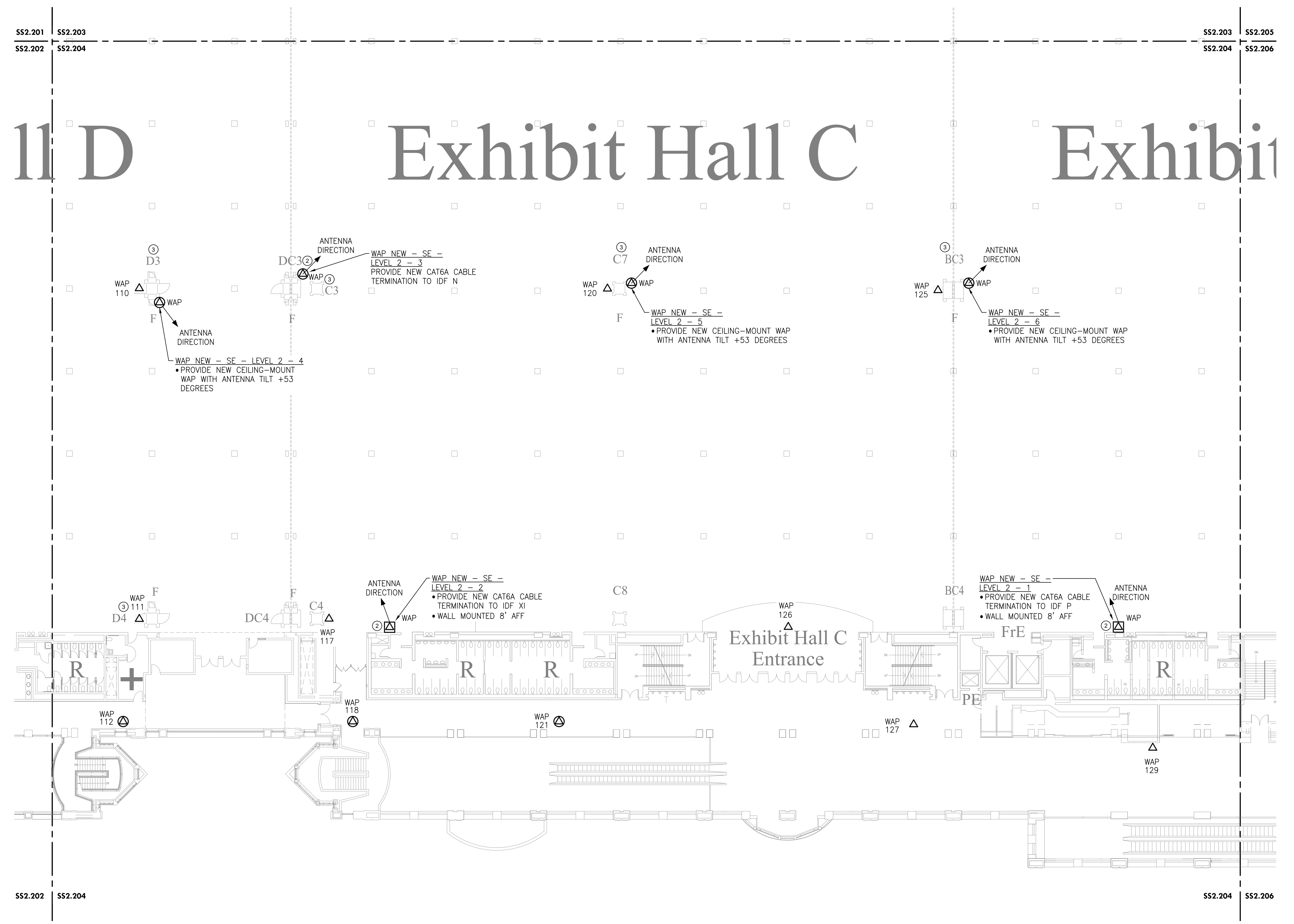
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LEVEL 2 - NEW WAP PLAN SE

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| Project Number | 128620.001 |
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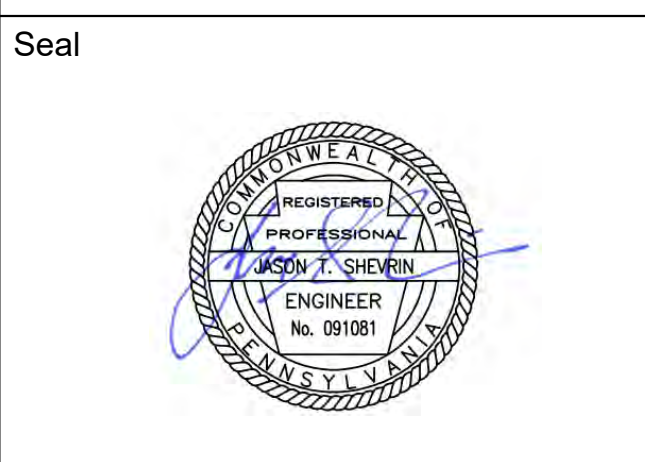
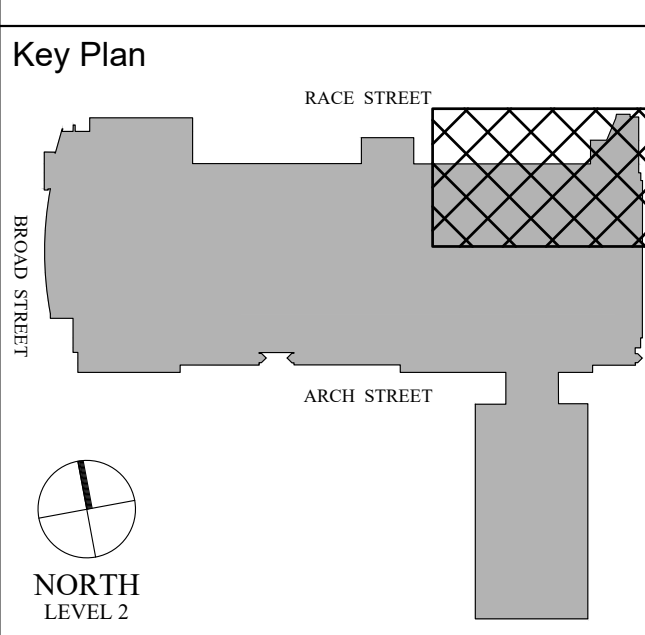
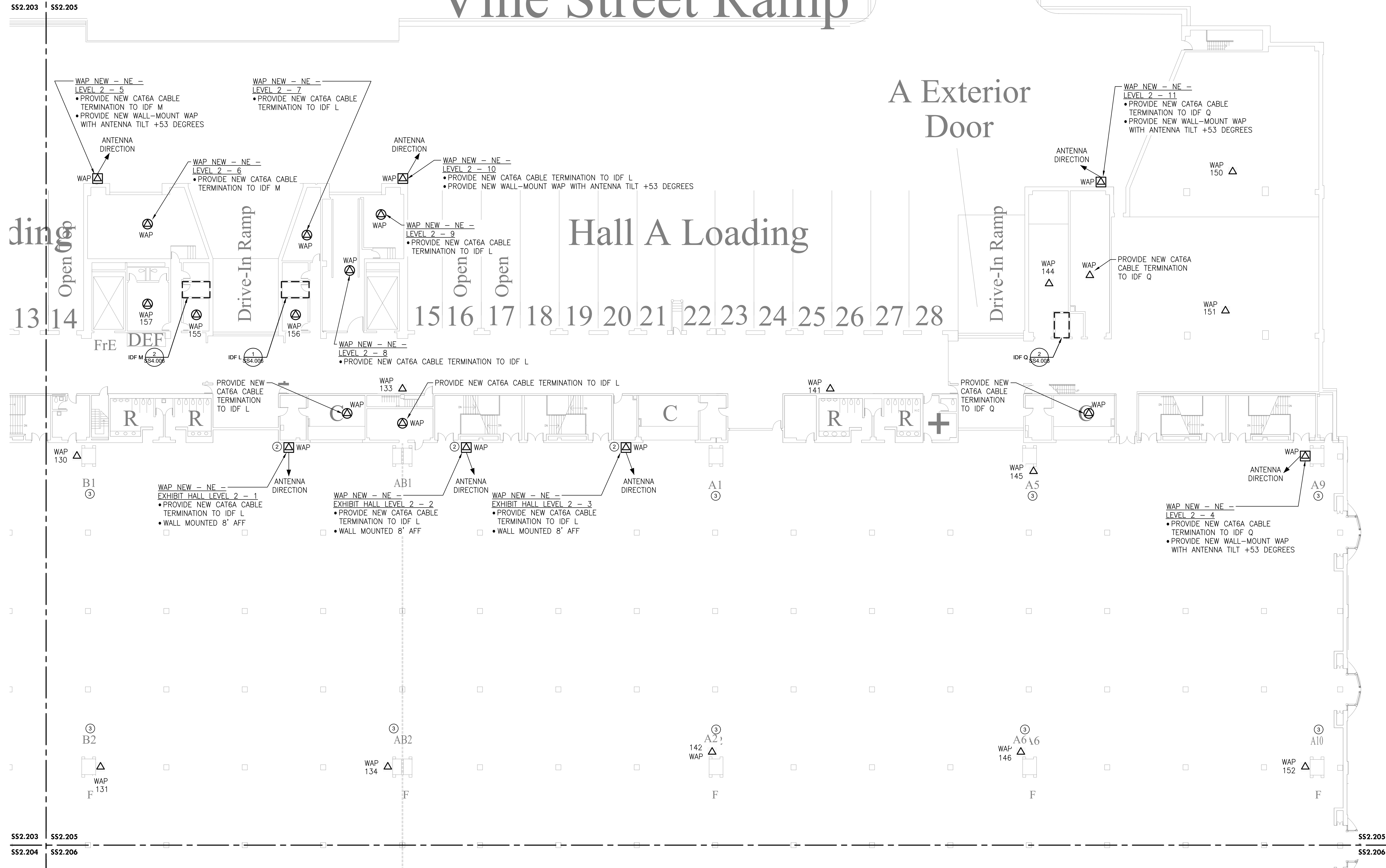
1 LEVEL 2 - NEW WAP PLAN SE
 Scale: 1/16" = 1'-0"

| DESCRIPTION | WIRELESS ACCESS POINT QUANTITIES | | |
|--------------|----------------------------------|-------------|------------|
| | EXISTING DEVICES | NEW DEVICES | NET CHANGE |
| ACCESS POINT | 11 | 17 | 6 |
| TOTAL | 11 | 17 | 6 |

GENERAL NOTES:
 1. PROVIDE NEW ACCESS POINTS WIFI 6 OR BETTER. ACCESS POINTS TO REUSE MOUNTING BRACKETS OR OTHERWISE AS INDICATED WHEN DEVICE IS WALL-MOUNTED OR CEILING MOUNTED AS PROVIDED IN THE INSTALLATION DETAILS.

KEYED NOTES (X):
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 3. NETWORK SWITCH IS LOCATED INSIDE COLUMN FOR AP IN THE RESPECTIVE EXHIBIT HALL.

Vine Street Ramp



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LEVEL 2 - NEW WAP NE EXISTING EXHIBIT HALL

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| Project Number | 128620.001 |
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| Drawn By | TB |
| Checked By | EH |

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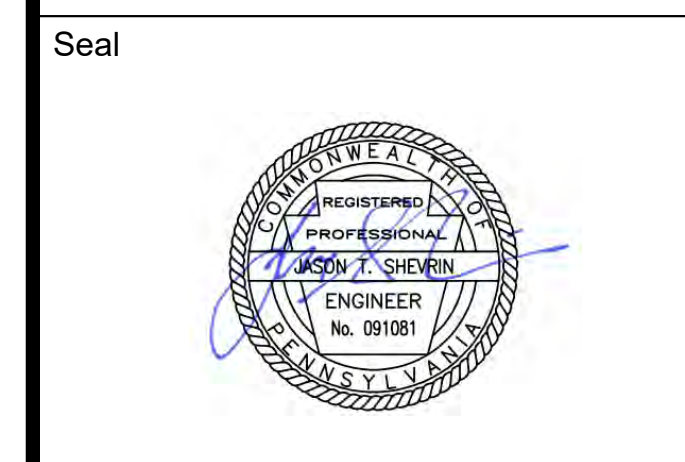
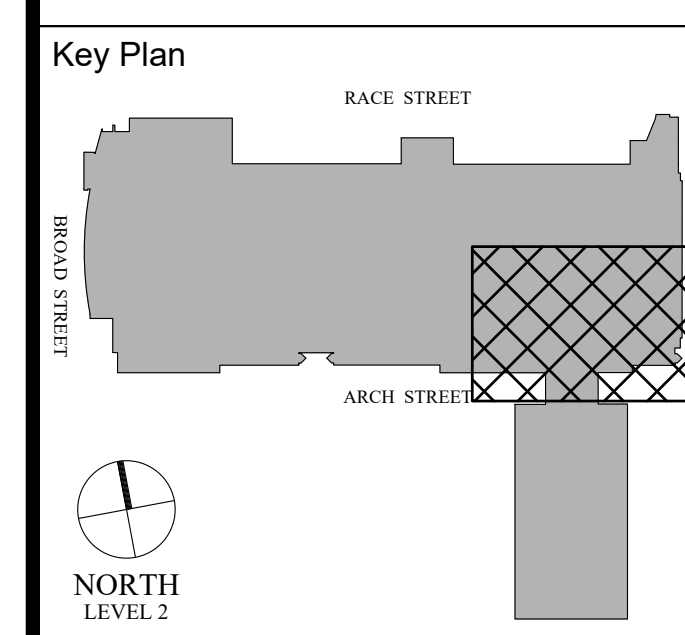
1 LEVEL 2 - NEW WAP NE EXISTING EXHIBIT HALL
 Scale: 1/16" = 1'-0"

| DESCRIPTION | WIRELESS ACCESS POINT QUANTITIES | | |
|--------------|----------------------------------|-------------|------------|
| | EXISTING DEVICES | NEW DEVICES | NET CHANGE |
| ACCESS POINT | 15 | 28 | 13 |
| TOTAL | 15 | 28 | 13 |

GENERAL NOTES:
 1. PROVIDE NEW ACCESS POINTS WIFI 6 OR BETTER. ACCESS POINTS TO REUSE MOUNTING BRACKETS OR OTHERWISE AS INDICATED WHEN DEVICE IS WALL-MOUNTED OR CEILING MOUNTED AS PROVIDED IN THE INSTALLATION DETAILS.

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 3. NETWORK SWITCH IS LOCATED INSIDE COLUMN FOR AP IN THE RESPECTIVE EXHIBIT HALL.

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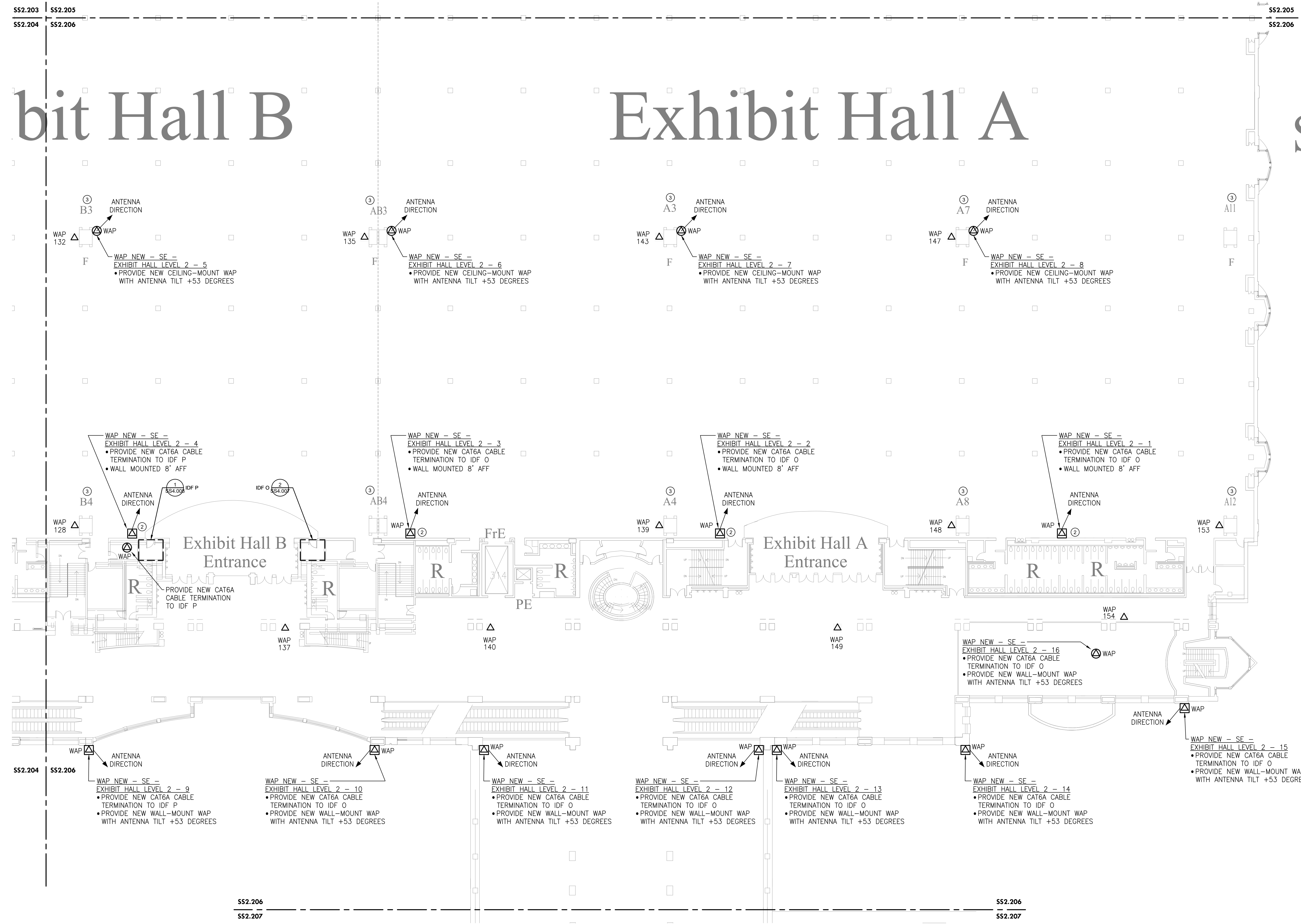
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PCCA WiFi UPGRADES
 1101 ARCH STREET
 PHILADELPHIA, PA. 19107
PENNSYLVANIA CONVENTION CENTER AUTHORITY (PCCA)

LEVEL 2 - NEW WAP SE EXISTING EXHIBIT HALL

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| Project Number | 128620.001 |
| Date | 2022-08-29 |
| Drawn By | TB |
| Checked By | EH |
| SS2.206 | |
| Scale | AS NOTED |



1 LEVEL 2 - NEW WAP SE EXISTING EXHIBIT HALL
 Scale: 1/16" = 1'-0"

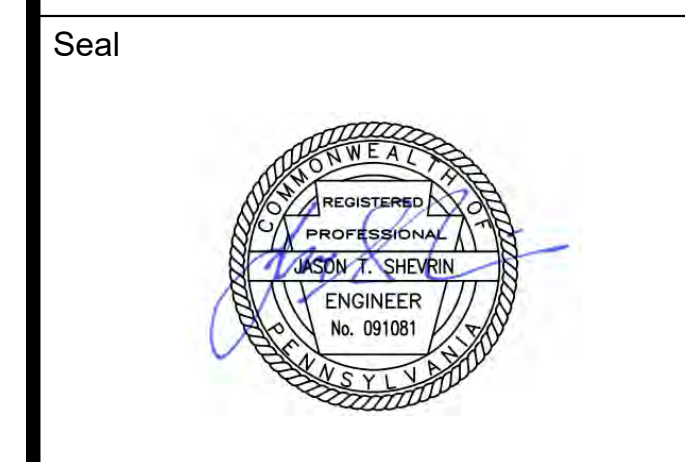
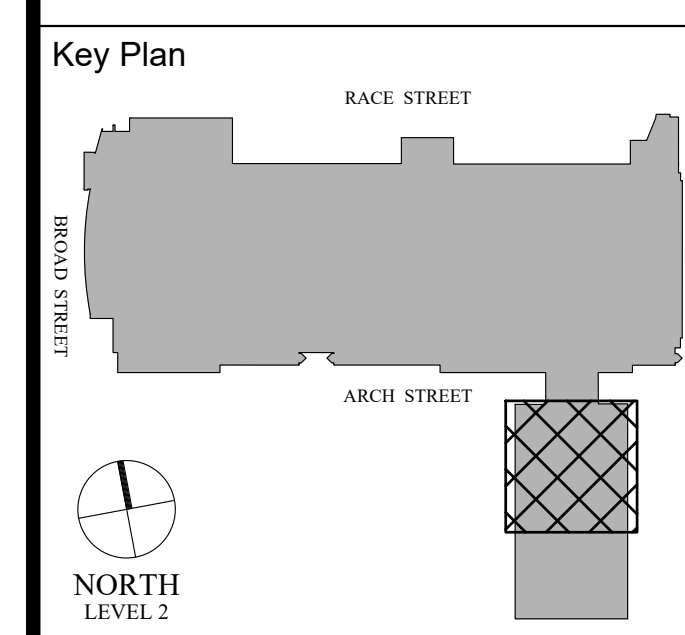
| DESCRIPTION | WIRELESS ACCESS POINT QUANTITIES | | |
|--------------|----------------------------------|-------------|------------|
| | EXISTING DEVICES | NEW DEVICES | NET CHANGE |
| ACCESS POINT | 12 | 28 | 17 |
| TOTAL | 12 | 28 | 17 |

GENERAL NOTES:
 1. PROVIDE NEW ACCESS POINTS WIFI 6 OR BETTER. ACCESS POINTS TO REUSE MOUNTING BRACKETS OR OTHERWISE AS INDICATED WHEN DEVICE IS WALL-MOUNTED OR CEILING MOUNTED AS PROVIDED IN THE INSTALLATION DETAILS.

KEYED NOTES (X):
 1. NOT USED.
 2. PROVIDE ADDITIONAL ACCESS POINT TO PROVIDE COVERAGE.
 3. NETWORK SWITCH IS LOCATED INSIDE COLUMN FOR AP IN THE RESPECTIVE EXHIBIT HALL.

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THIS DRAWING IS FORMATTED TO BE PRINTED AT 30" X 42"



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PCCA WiFi UPGRADES
 1101 ARCH STREET
 PHILADELPHIA, PA. 19107
 PENNSYLVANIA
 CONVENTION CENTER
 AUTHORITY (PCCA)

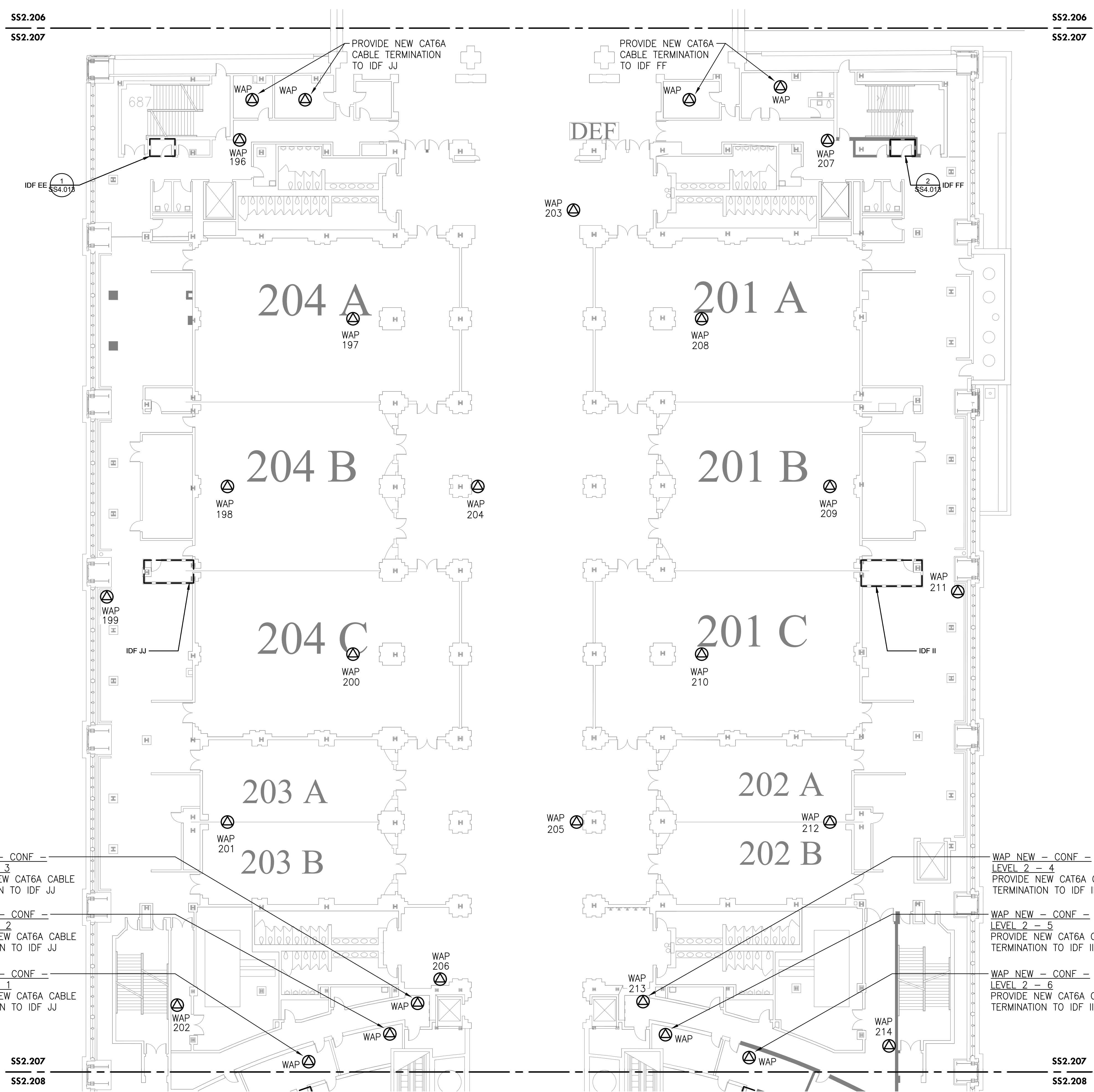
**LEVEL 2 - NEW WAP
 CONFERENCE ROOMS**

| | |
|----------------|------------|
| Project Number | 128620.001 |
| Date | 2022-08-29 |
| Drawn By | TB |
| Checked By | EH |

SS2.207

Scale AS NOTED

100% SUBMISSION



WAP_NEW - CONF -
 LEVEL 2 - 3
 PROVIDE NEW CAT6A CABLE
 TERMINATION TO IDF JJ

WAP_NEW - CONF -
 LEVEL 2 - 2
 PROVIDE NEW CAT6A CABLE
 TERMINATION TO IDF JJ

WAP_NEW - CONF -
 LEVEL 2 - 1
 PROVIDE NEW CAT6A CABLE
 TERMINATION TO IDF JJ

WAP_NEW - CONF -
 LEVEL 2 - 4
 PROVIDE NEW CAT6A CABLE
 TERMINATION TO IDF II

WAP_NEW - CONF -
 LEVEL 2 - 5
 PROVIDE NEW CAT6A CABLE
 TERMINATION TO IDF II

WAP_NEW - CONF -
 LEVEL 2 - 6
 PROVIDE NEW CAT6A CABLE
 TERMINATION TO IDF II

1
SS2.207 LEVEL 2 - NEW WAP CONFERENCE ROOMS
 Scale: 1/16" = 1'-0"

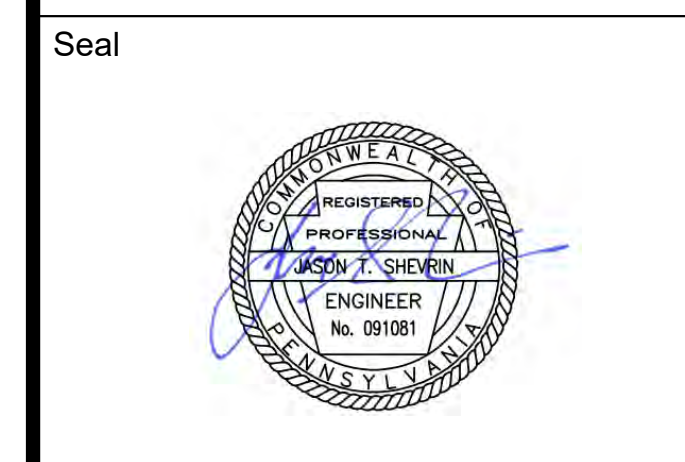
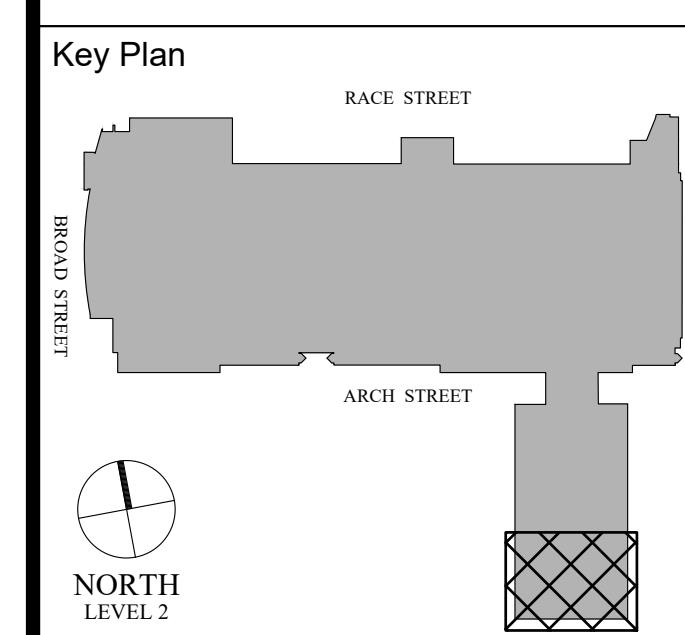
| DESCRIPTION | WIRELESS ACCESS POINT QUANTITIES | | |
|--------------|----------------------------------|-------------|------------|
| | EXISTING DEVICES | NEW DEVICES | NET CHANGE |
| ACCESS POINT | 19 | 25 | 6 |
| TOTAL | 19 | 25 | 6 |

GENERAL NOTES:
 1. PROVIDE NEW ACCESS POINTS WIFI 6 OR BETTER.
 ACCESS POINTS TO REUSE MOUNTING BRACKETS OR
 OTHERWISE AS INDICATED WHEN DEVICE IS
 WALL-MOUNTED OR CEILING MOUNTED AS PROVIDED IN
 THE INSTALLATION DETAILS.

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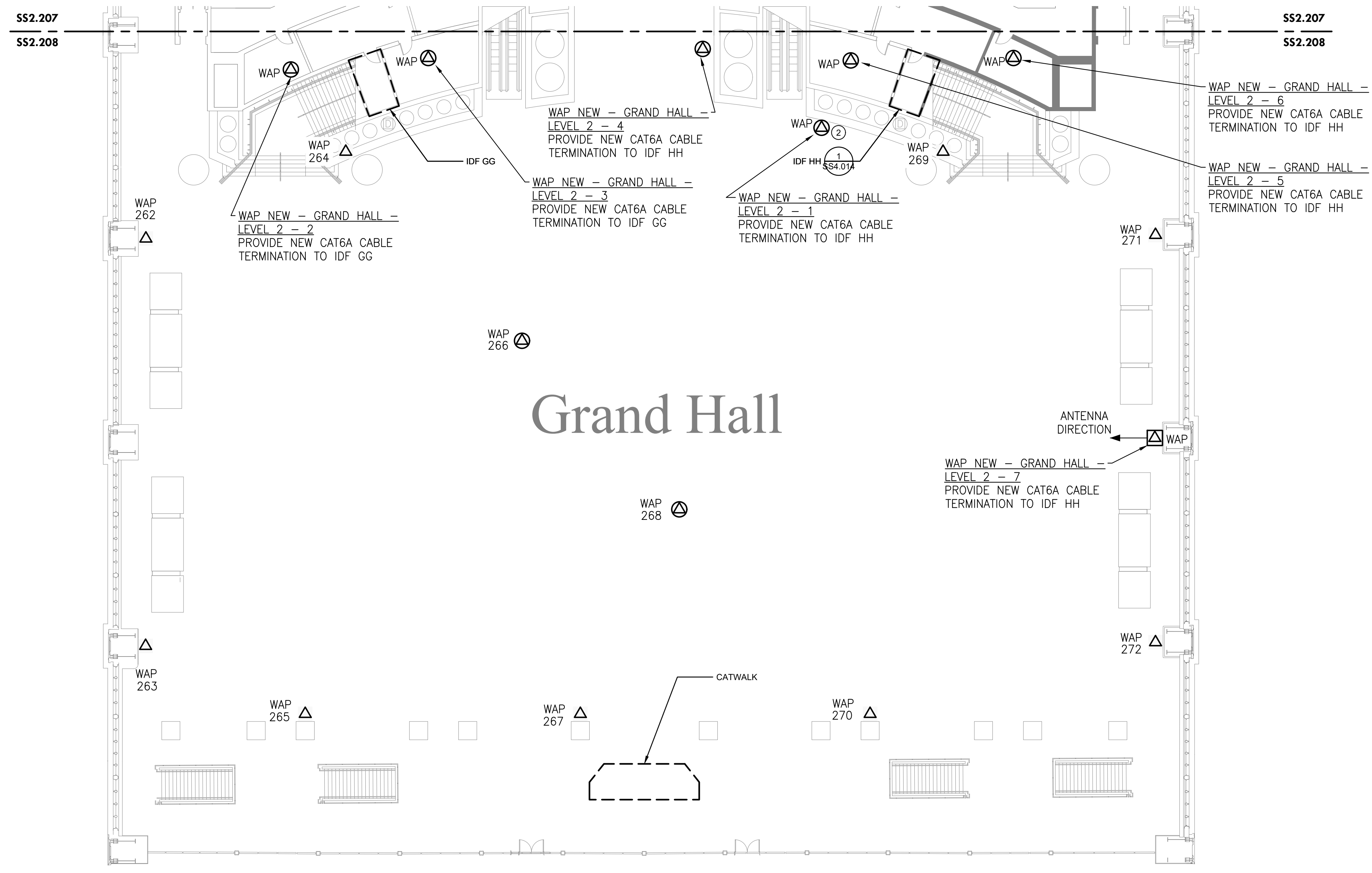
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LEVEL 2 - NEW WAP GRAND HALL

| | |
|----------------|------------|
| Project Number | 128620.001 |
| Date | 2022-08-29 |
| Drawn By | TB |
| Checked By | EH |
| SS2.208 | |
| Scale | AS NOTED |



Grand Hall

1
 SS2.208 **LEVEL 2 - NEW WAP GRAND HALL**
 Scale: 1/16" = 1'-0"

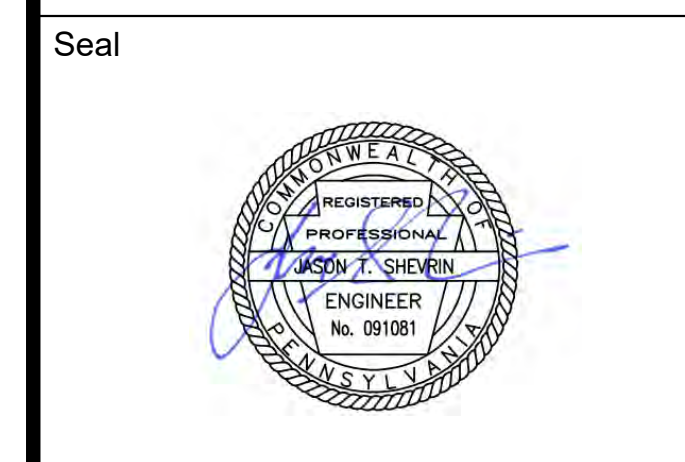
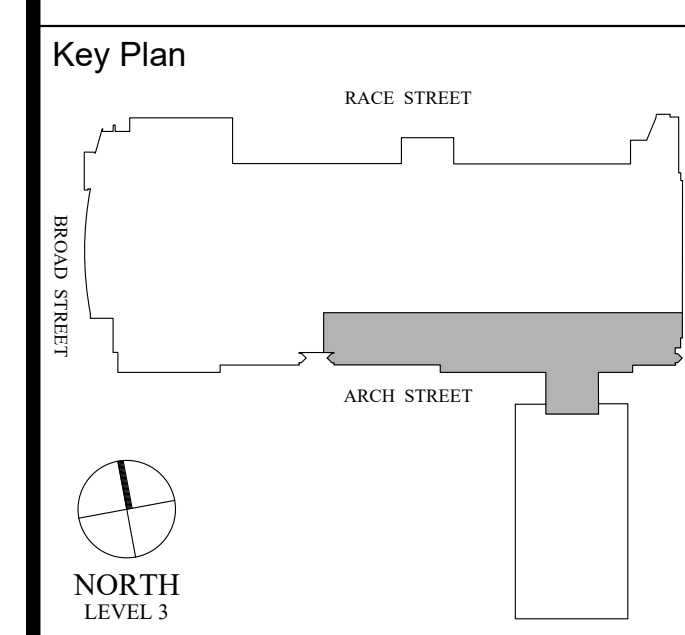
| DESCRIPTION | WIRELESS ACCESS POINT QUANTITIES | | |
|--------------|----------------------------------|-------------|------------|
| | EXISTING DEVICES | NEW DEVICES | NET CHANGE |
| ACCESS POINT | 11 | 18 | 7 |
| TOTAL | 11 | 18 | 7 |

GENERAL NOTES:

- PROVIDE NEW ACCESS POINTS WIFI 6 OR BETTER. ACCESS POINTS TO REUSE MOUNTING BRACKETS OR OTHERWISE AS INDICATED WHEN DEVICE IS WALL-MOUNTED OR CEILING MOUNTED AS PROVIDED IN THE INSTALLATION DETAILS.

KEYED NOTES (X):

- NOT USED.
- PROVIDE ADDITIONAL ACCESS POINT TO PROVIDE COVERAGE.



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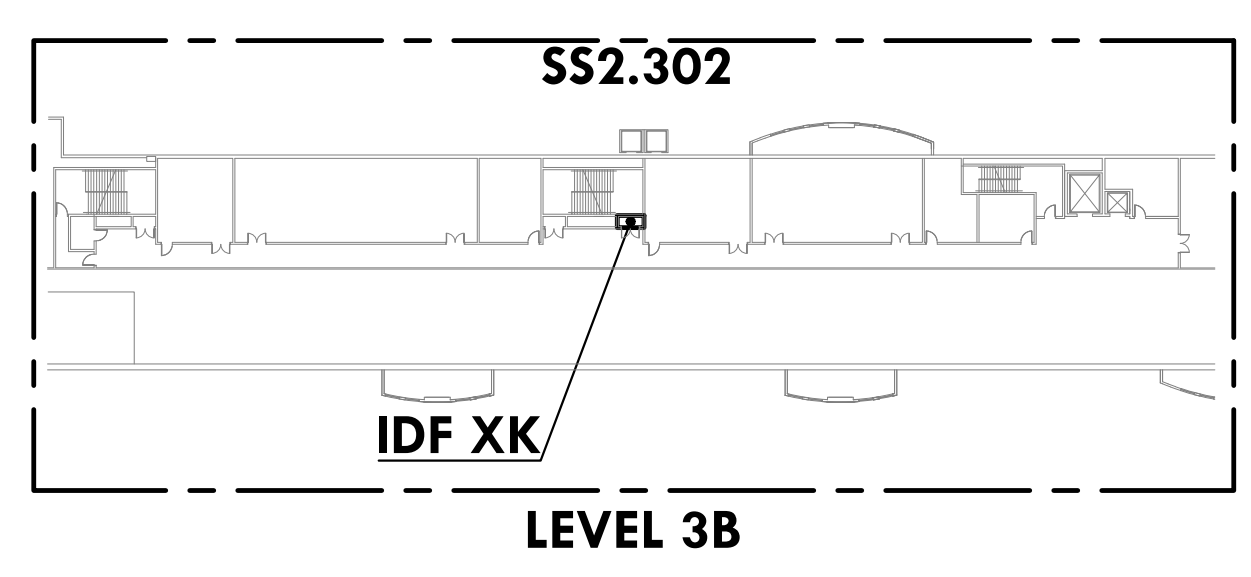
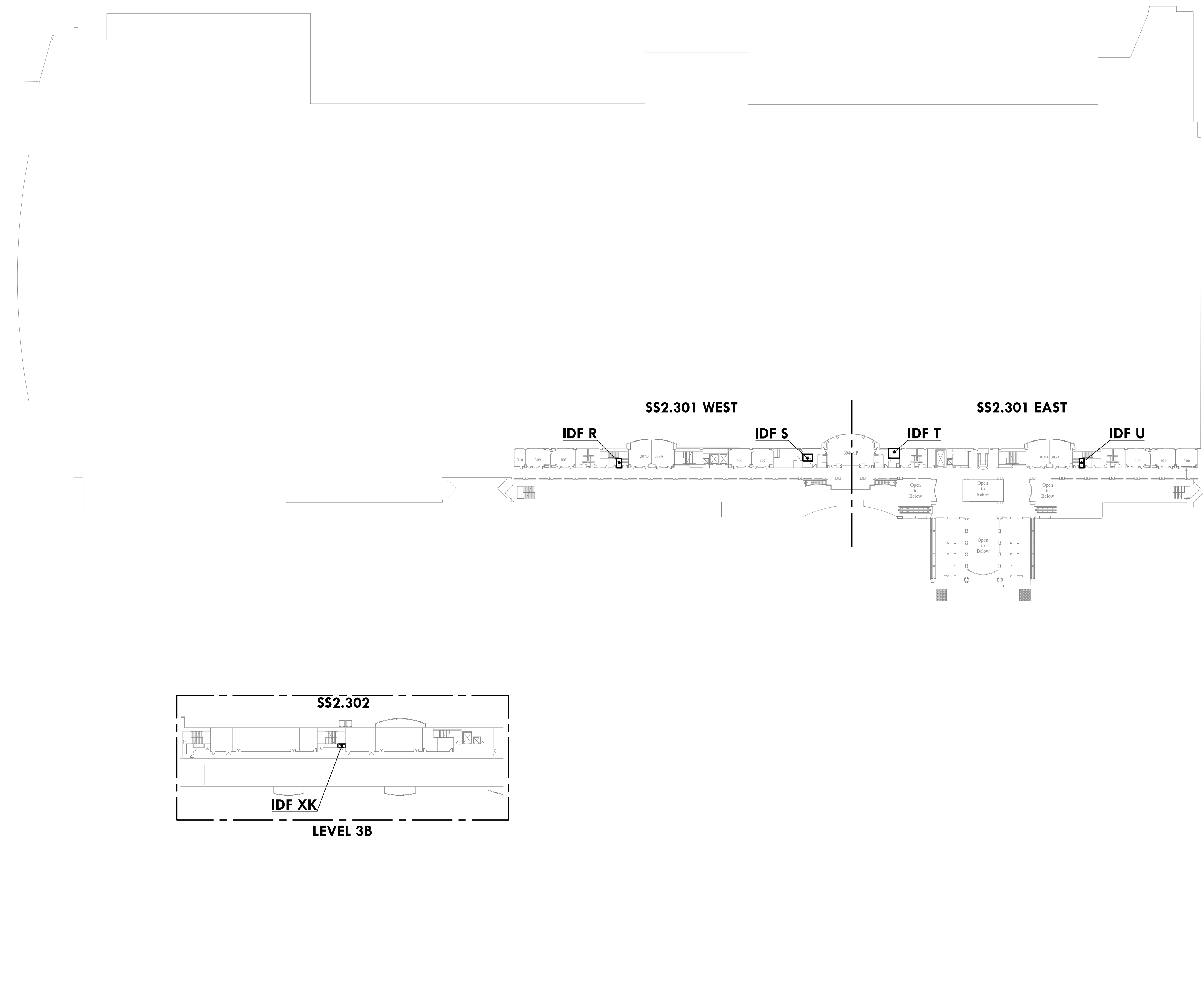
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LEVEL 3 OVERALL KEY PLAN

| | |
|----------------|------------|
| Project Number | 128620.001 |
| Date | 2022-08-29 |
| Drawn By | TB |
| Checked By | EH |

SS2.300
 Scale AS NOTED



1 LEVEL 3 OVERALL KEY PLAN
 SS2.300 Scale: 1/64" = 1'-0"

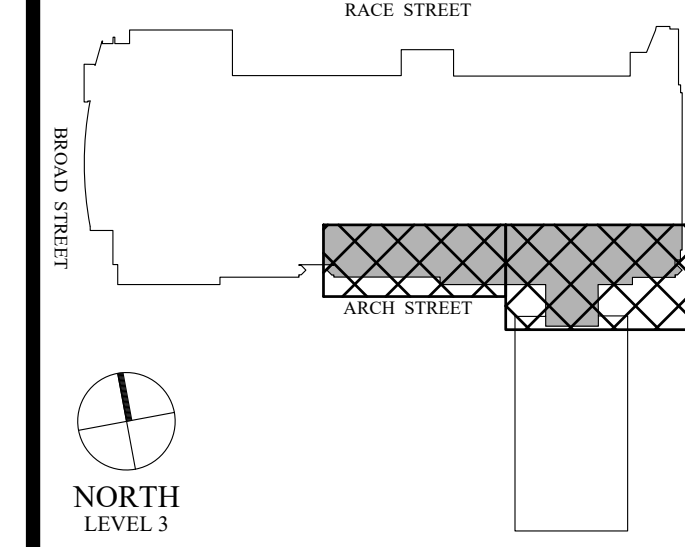
Architect

Civil Engineer

Structural Engineer



Key Plan



Seal



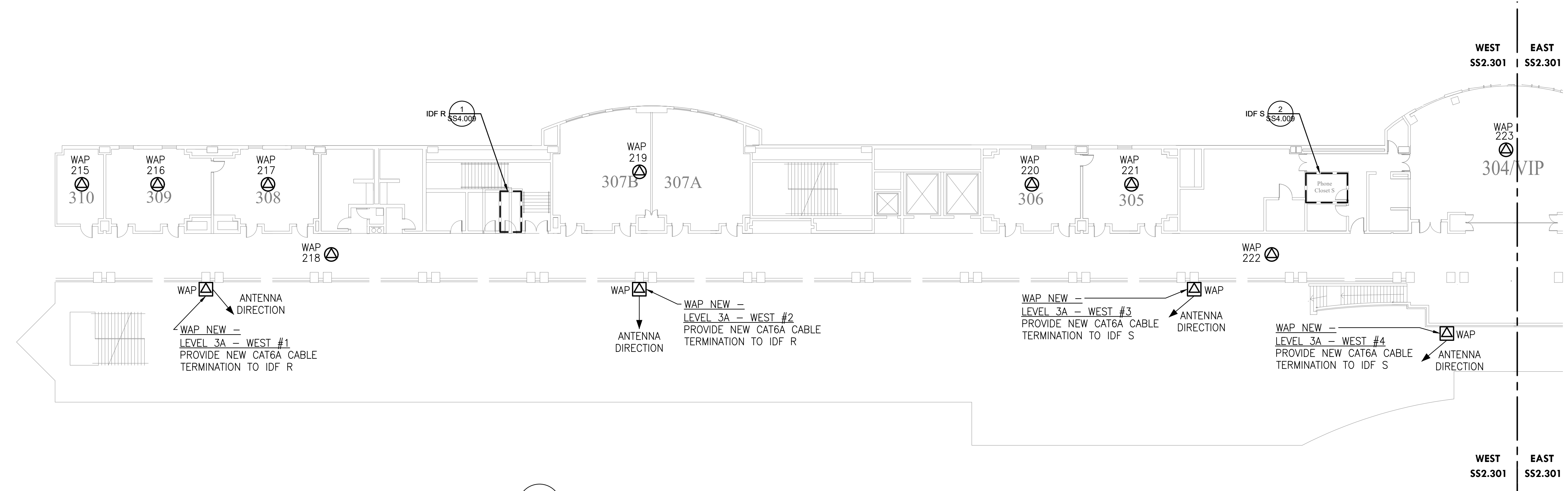
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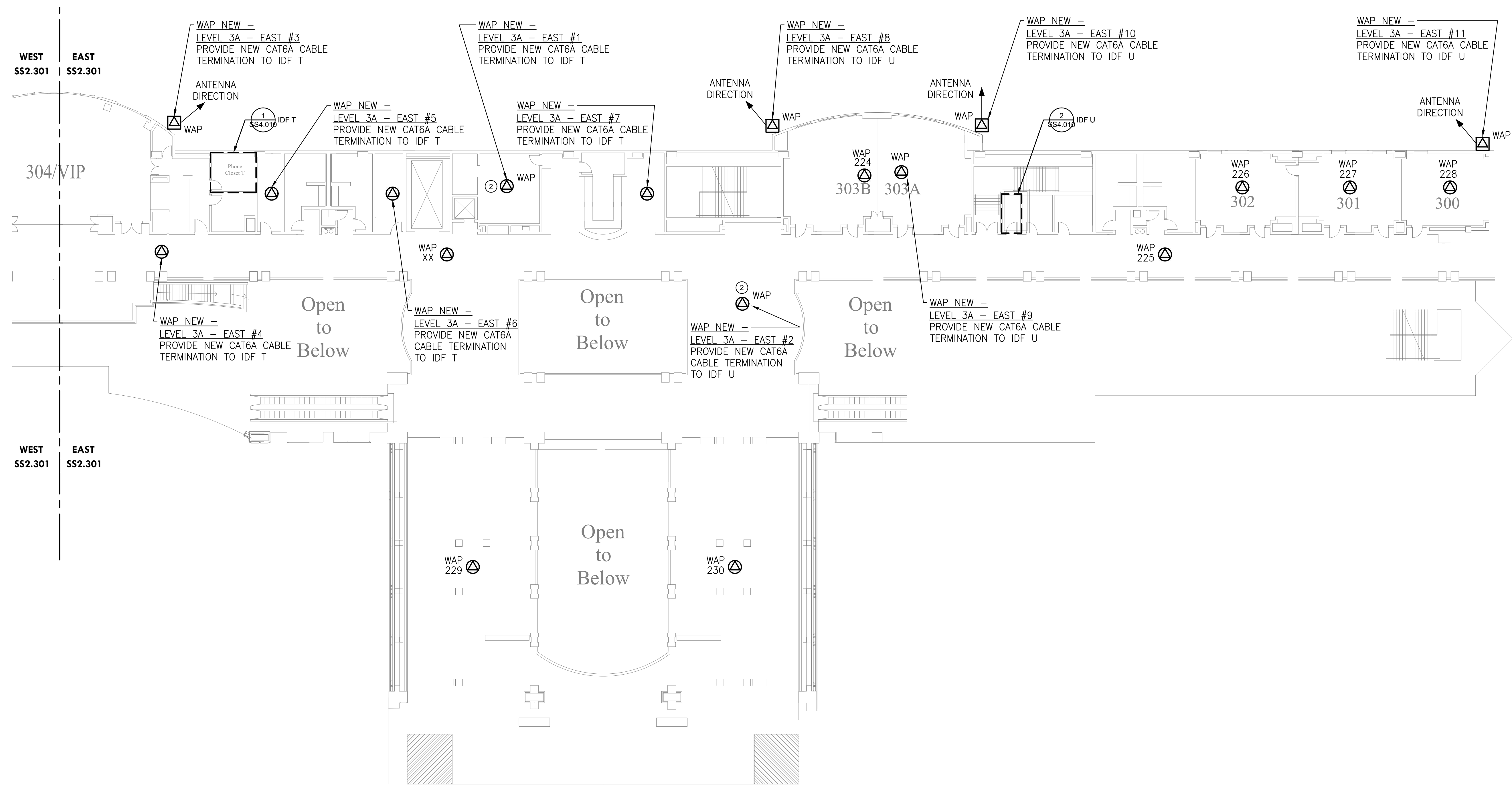
LEVEL 3A - NEW WAP PLAN

| | |
|----------------|------------|
| Project Number | 128620.001 |
| Date | 2022-08-29 |
| Drawn By | TB |
| Checked By | EH |
| SS2.301 | |
| Scale | AS NOTED |



1 LEVEL 3A - NEW WAP PLAN - WEST
 Scale: 1/16" = 1'-0"

| DESCRIPTION | WIRELESS ACCESS POINT QUANTITIES | | |
|--------------|----------------------------------|-------------|------------|
| | EXISTING DEVICES | NEW DEVICES | NET CHANGE |
| ACCESS POINT | 9 | 13 | 4 |
| TOTAL | 9 | 13 | 4 |



2 LEVEL 3A - NEW WAP PLAN - EAST
 Scale: 1/16" = 1'-0"

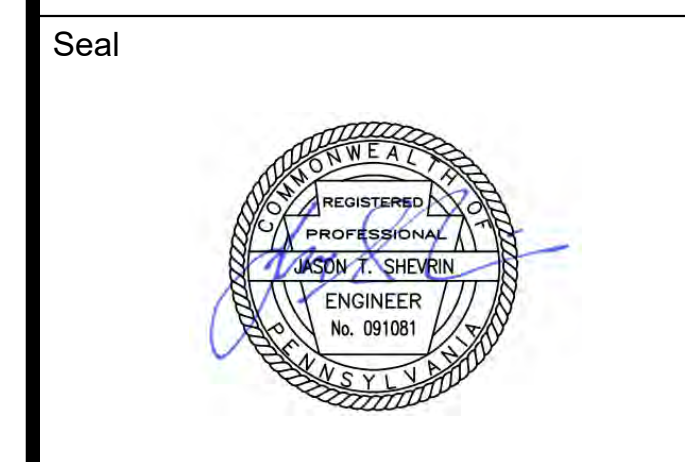
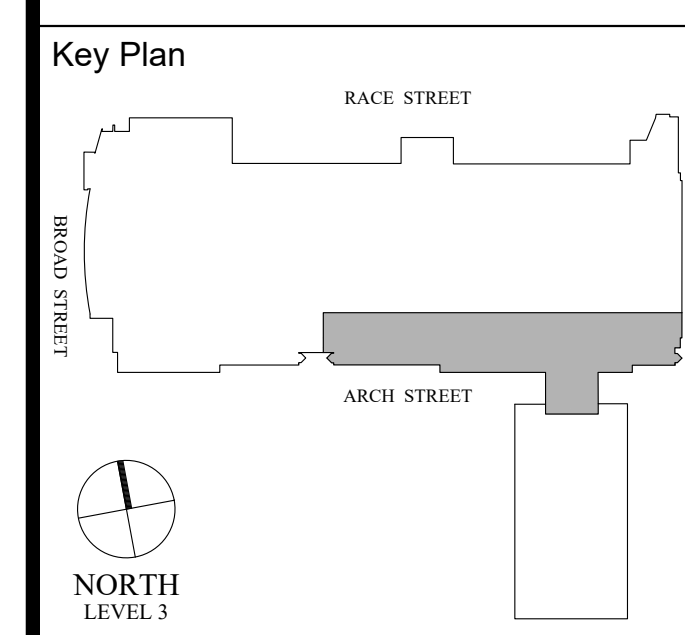
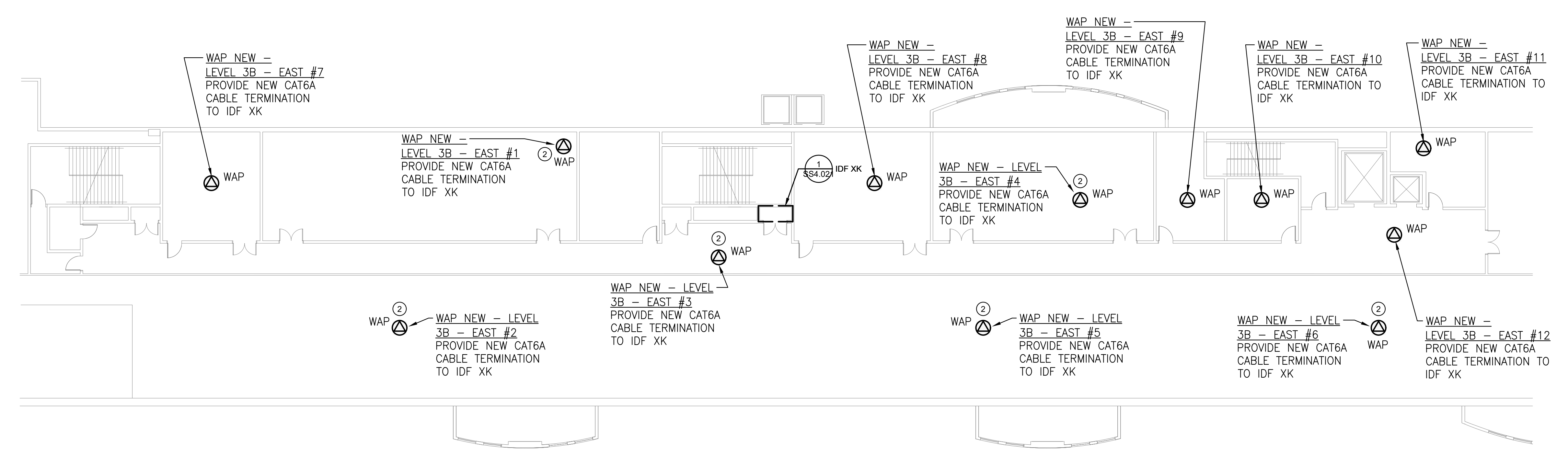
| DESCRIPTION | WIRELESS ACCESS POINT QUANTITIES | | |
|--------------|----------------------------------|-------------|------------|
| | EXISTING DEVICES | NEW DEVICES | NET CHANGE |
| ACCESS POINT | 8 | 19 | 11 |
| TOTAL | 8 | 19 | 11 |

GENERAL NOTES:

- PROVIDE NEW ACCESS POINTS WIFI 6 OR BETTER.
- ACCESS POINTS TO REUSE MOUNTING BRACKETS OR OTHERWISE AS INDICATED WHEN DEVICE IS WALL-MOUNTED OR CEILING MOUNTED AS PROVIDED IN THE INSTALLATION DETAILS.

KEYED NOTES (X):

- NOT USED.
- PROVIDE ADDITIONAL ACCESS POINT TO PROVIDE COVERAGE.



1 LEVEL 3B - NEW WAP PLAN
 Scale: 1/16" = 1'-0"

| DESCRIPTION | WIRELESS ACCESS POINT QUANTITIES | | |
|--------------|----------------------------------|-------------|------------|
| | EXISTING DEVICES | NEW DEVICES | NET CHANGE |
| ACCESS POINT | 0 | 12 | 12 |
| TOTAL | 0 | 12 | 12 |

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LEVEL 3B - NEW WAP PLAN

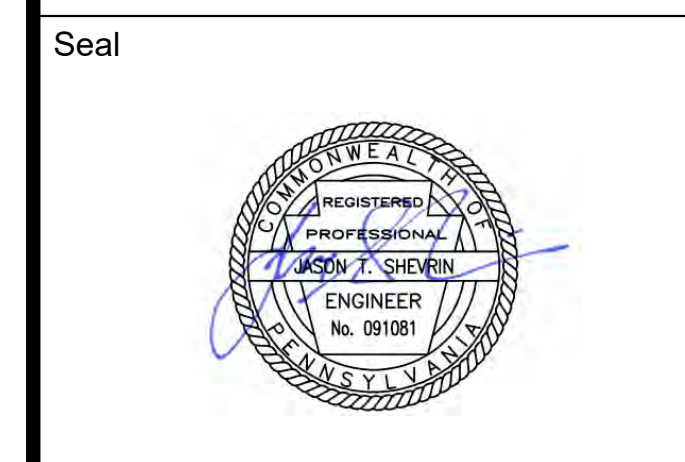
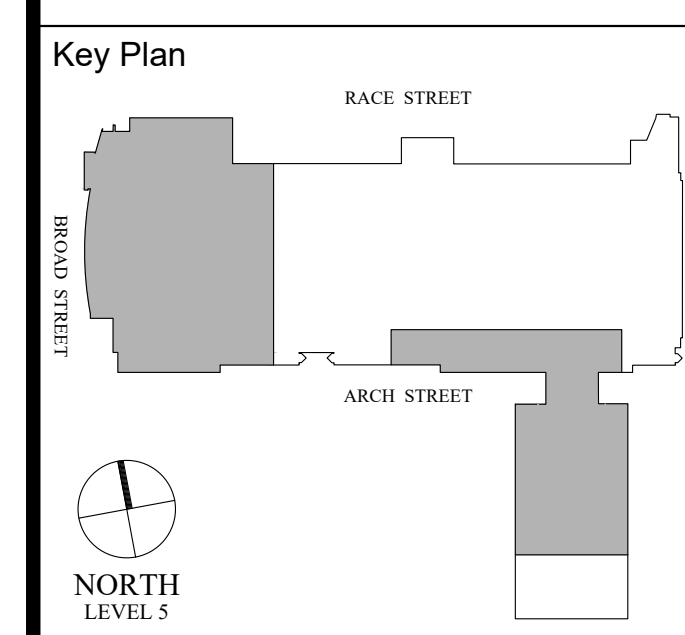
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| Project Number | 128620.001 |
| Date | 2022-08-29 |
| Drawn By | TB |
| Checked By | EH |
| Scale | AS NOTED |

GENERAL NOTES:
 1. PROVIDE NEW ACCESS POINTS WIFI 6 OR BETTER.
 ACCESS POINTS TO REUSE MOUNTING BRACKETS OR OTHERWISE AS INDICATED WHEN DEVICE IS WALL-MOUNTED OR CEILING MOUNTED AS PROVIDED IN THE INSTALLATION DETAILS.

KEYED NOTES (X):
 1. NOT USED.
 2. PROVIDE ADDITIONAL ACCESS POINT TO PROVIDE COVERAGE.

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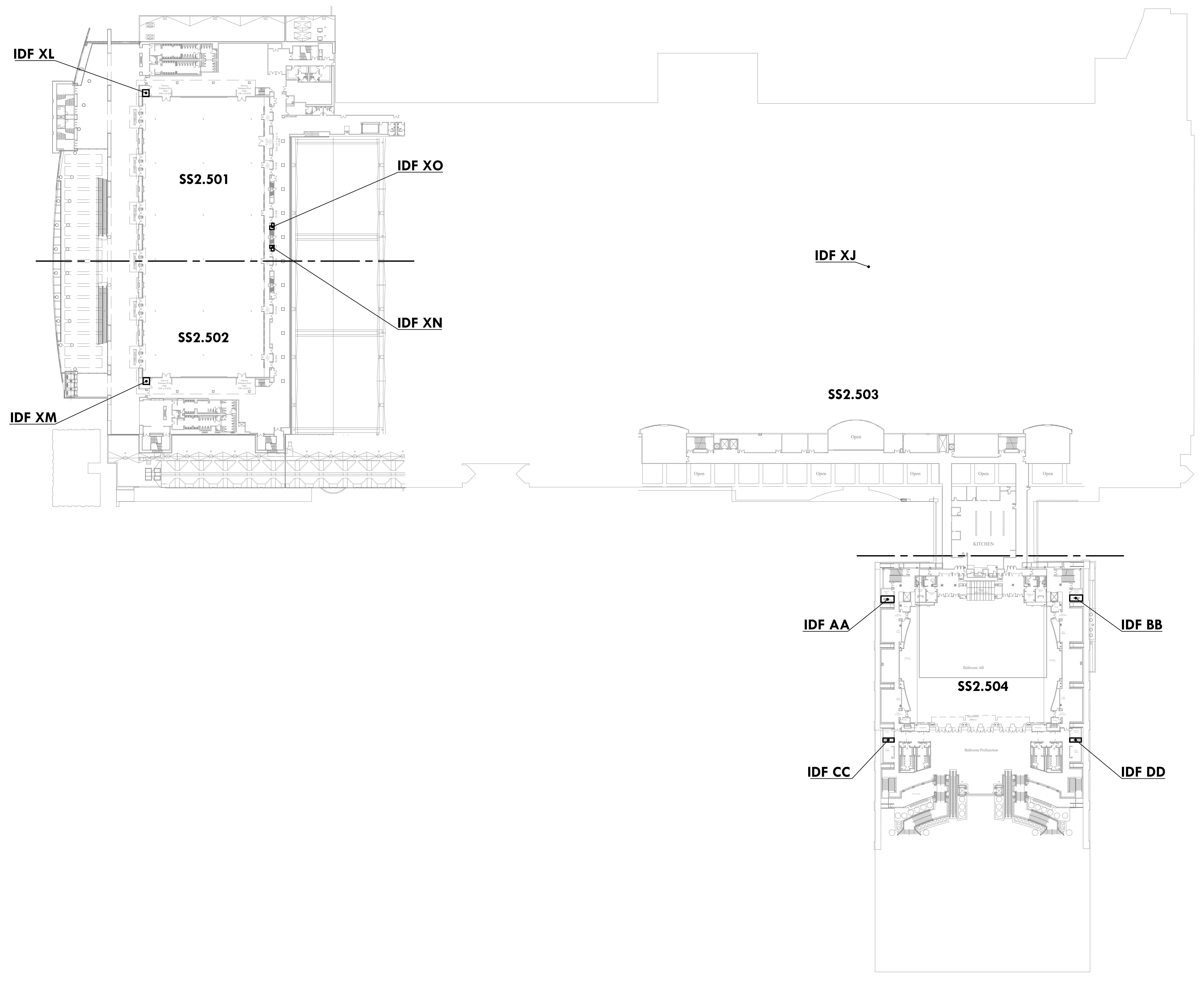
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PCCA WiFi UPGRADES
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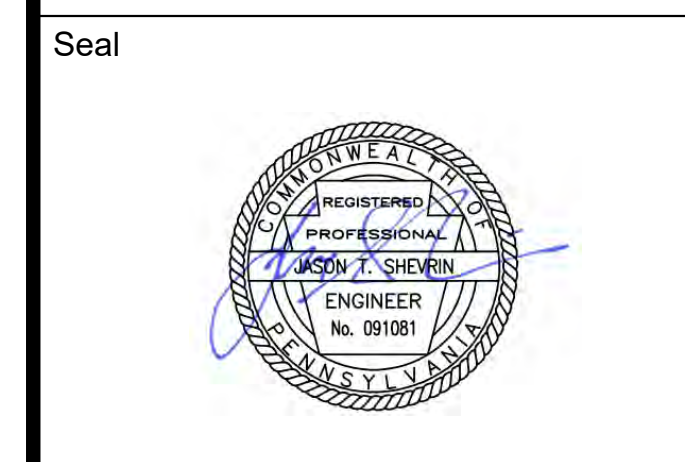
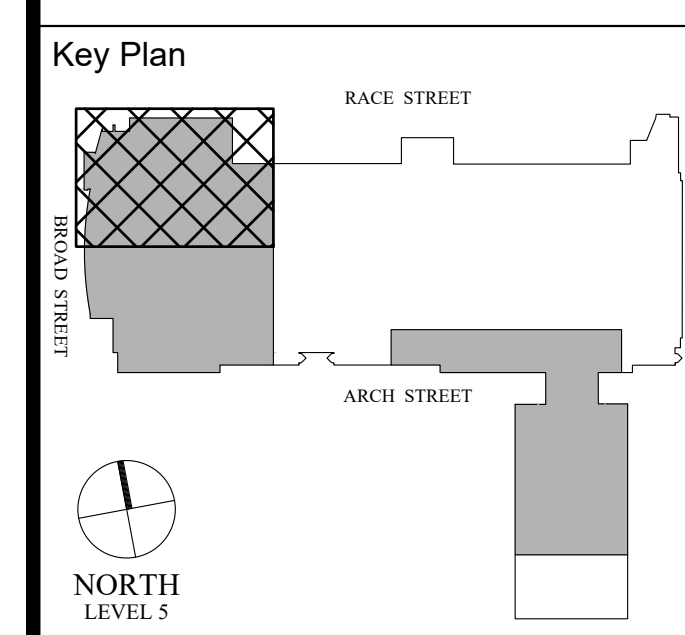
LEVEL 5 OVERALL KEY PLAN

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|----------------|------------|
| Project Number | 128620.001 |
| Date | 2022-08-29 |
| Drawn By | TB |
| Checked By | EH |

SS2.500
 Scale AS NOTED



1 LEVEL 5 OVERALL KEY PLAN
 SS2.500 Scale: 1/64" = 1'-0"



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**LEVEL 5 - NEW WAP PLAN
 NW**

Project Number 128620.001

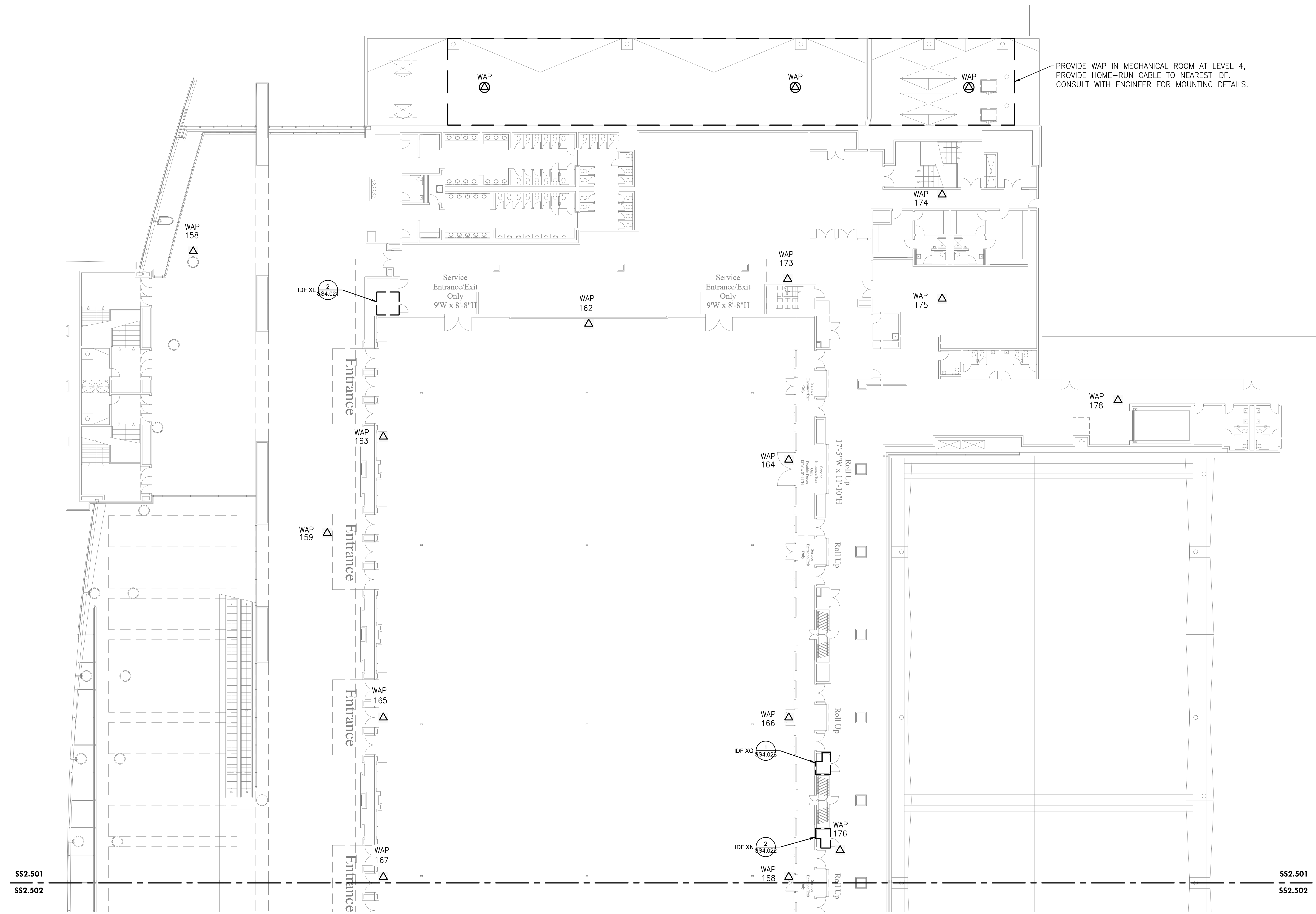
Date 2022-08-29

Drawn By TB

Checked By EH

SS2.501

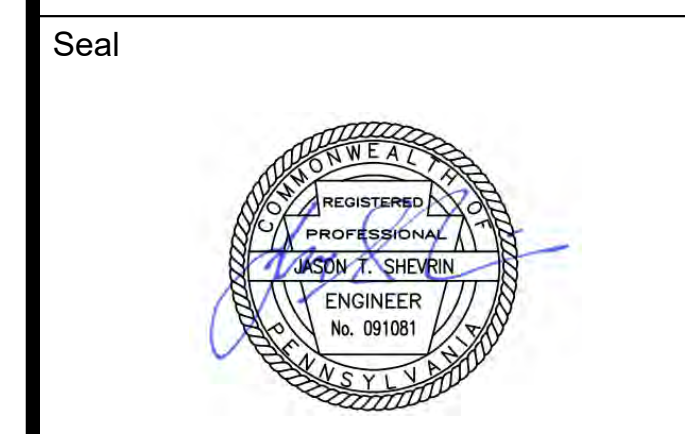
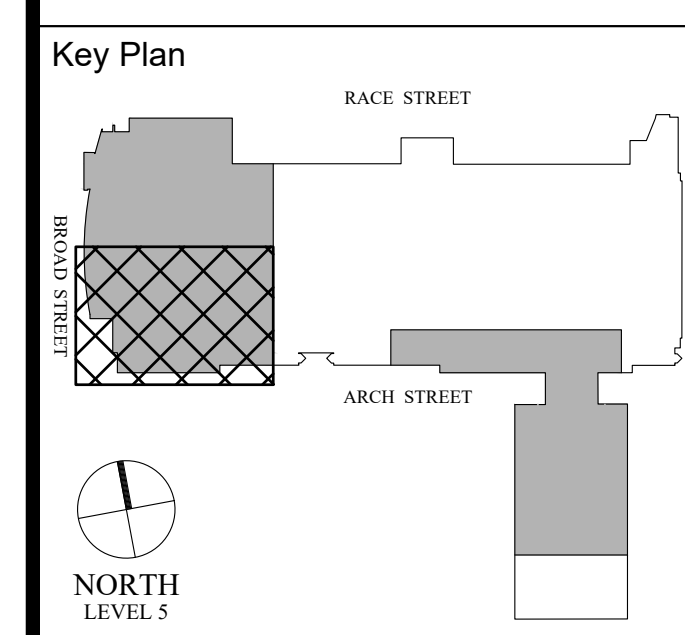
Scale AS NOTED



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 SS2.501
LEVEL 5 - NEW WAP PLAN NW
 Scale: 1/16" = 1'-0"

| DESCRIPTION | WIRELESS ACCESS POINT QUANTITIES | | |
|--------------|----------------------------------|--------------------------|-------------------------|
| | EXISTING DEVICES TOTAL QTY | NEW DEVICES TOTAL QTY | NET CHANGE TOTAL QTY |
| ACCESS POINT | 14 | 17 | 3 |
| TOTAL | 14 | 17 | 3 |

GENERAL NOTES:
 1. PROVIDE NEW ACCESS POINTS WIFI 6 OR BETTER.
 ACCESS POINTS TO REUSE MOUNTING BRACKETS OR
 OTHERWISE AS INDICATED WHEN DEVICE IS
 WALL-MOUNTED OR CEILING MOUNTED AS PROVIDED IN
 THE INSTALLATION DETAILS.



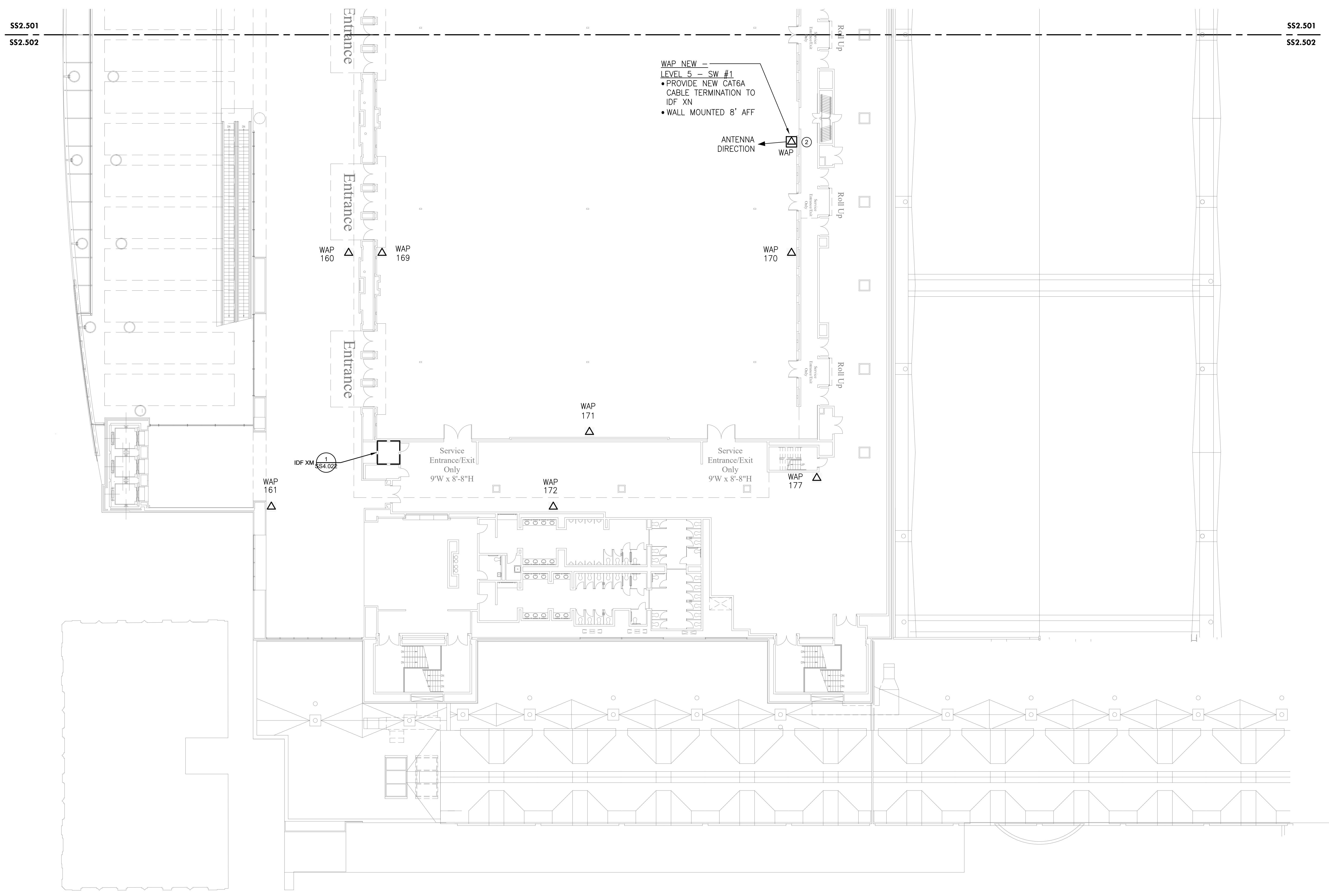
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LEVEL 5 - NEW WAP PLAN SW

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| Project Number | 128620.001 |
| Date | 2022-08-29 |
| Drawn By | TB |
| Checked By | EH |
| SS2.502 | |
| Scale | AS NOTED |

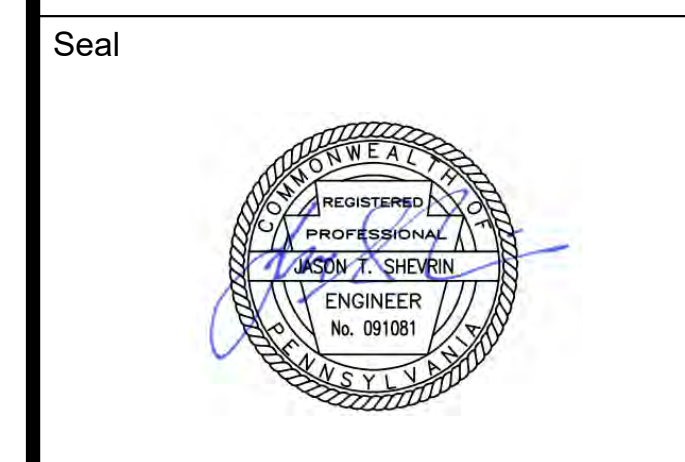
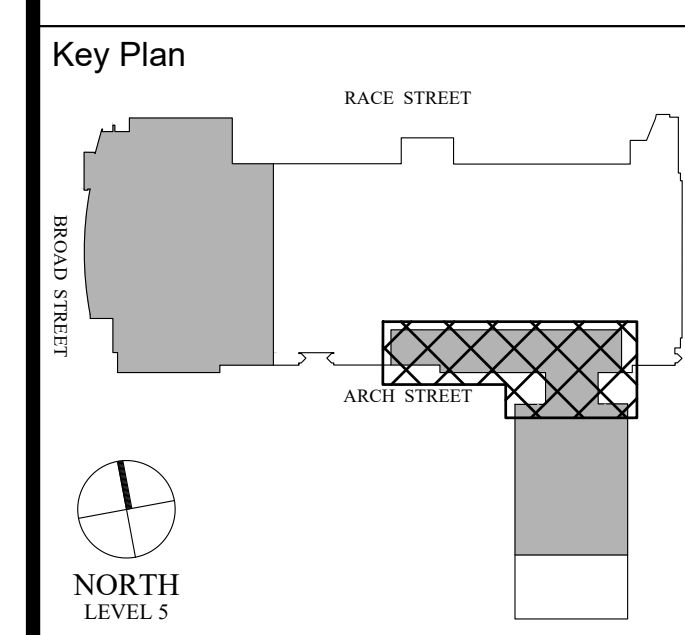


1 LEVEL 5 - NEW WAP PLAN SW
 SS2.502 Scale: 1/16" = 1'-0"

| DESCRIPTION | WIRELESS ACCESS POINT QUANTITIES | | |
|--------------|----------------------------------|--------------------------|-------------------------|
| | EXISTING DEVICES TOTAL QTY | NEW DEVICES TOTAL QTY | NET CHANGE TOTAL QTY |
| ACCESS POINT | 7 | 8 | 1 |
| TOTAL | 7 | 8 | 1 |

GENERAL NOTES:
 1. PROVIDE NEW ACCESS POINTS WIFI 6 OR BETTER. ACCESS POINTS TO REUSE MOUNTING BRACKETS OR OTHERWISE AS INDICATED WHEN DEVICE IS WALL-MOUNTED OR CEILING MOUNTED AS PROVIDED IN THE INSTALLATION DETAILS.

KEYED NOTES (X):
 1. NOT USED.
 2. PROVIDE ADDITIONAL ACCESS POINT TO PROVIDE COVERAGE.



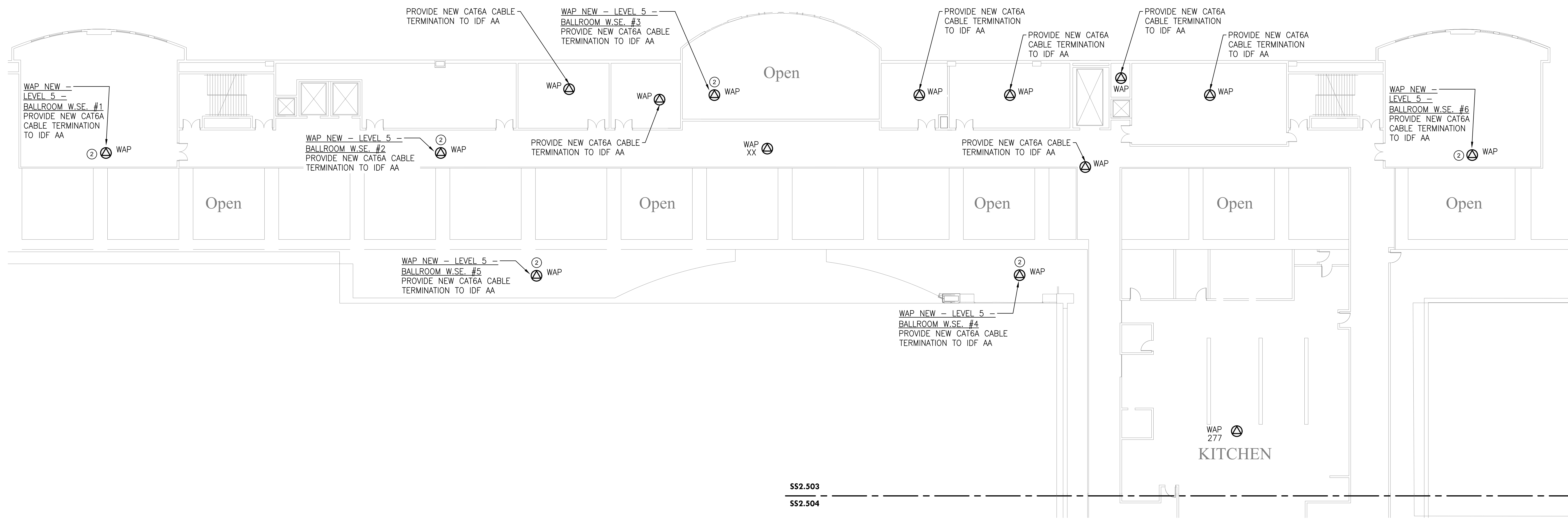
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**PENNSYLVANIA
 CONVENTION CENTER
 AUTHORITY (PCCA)**

**LEVEL 5 - NEW WAP PLAN
 BALLROOM 'W' S.E**

| | |
|----------------|------------|
| Project Number | 128620.001 |
| Date | 2022-08-29 |
| Drawn By | TB |
| Checked By | EH |
| SS2.503 | |
| Scale | AS NOTED |



SS2.503
 SS2.504

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 SS2.503 **LEVEL 5 - NEW WAP PLAN BALLROOM 'W' S.E**
 Scale: 1/16" = 1'-0"

| DESCRIPTION | WIRELESS ACCESS POINT QUANTITIES | | |
|--------------|----------------------------------|--------------------------|-------------------------|
| | EXISTING DEVICES TOTAL QTY | NEW DEVICES TOTAL QTY | NET CHANGE TOTAL QTY |
| ACCESS POINT | 2 | 13 | 15 |
| TOTAL | 2 | 13 | 15 |

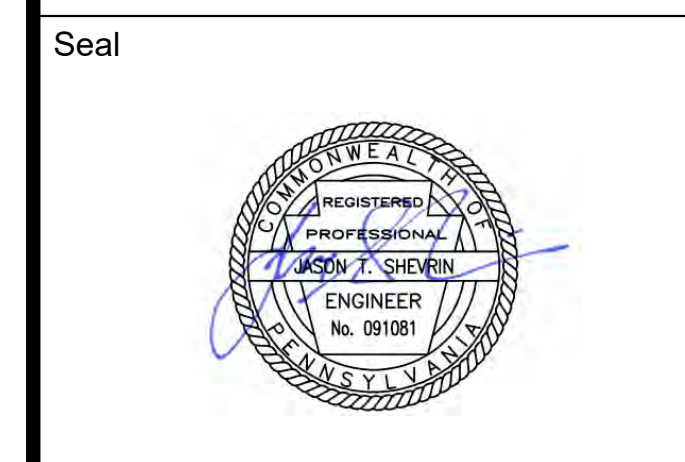
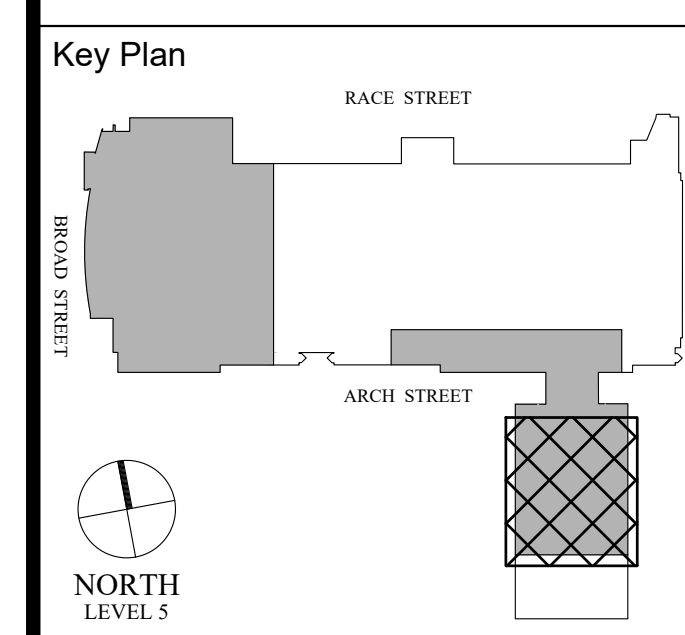
GENERAL NOTES:
 1. PROVIDE NEW ACCESS POINTS WIFI 6 OR BETTER.
 ACCESS POINTS TO REUSE MOUNTING BRACKETS OR OTHERWISE AS INDICATED WHEN DEVICE IS WALL-MOUNTED OR CEILING MOUNTED AS PROVIDED IN THE INSTALLATION DETAILS.

KEYED NOTES (X):
 1. NOT USED.
 2. PROVIDE ADDITIONAL ACCESS POINT TO PROVIDE COVERAGE.

Architect

Civil Engineer

Structural Engineer



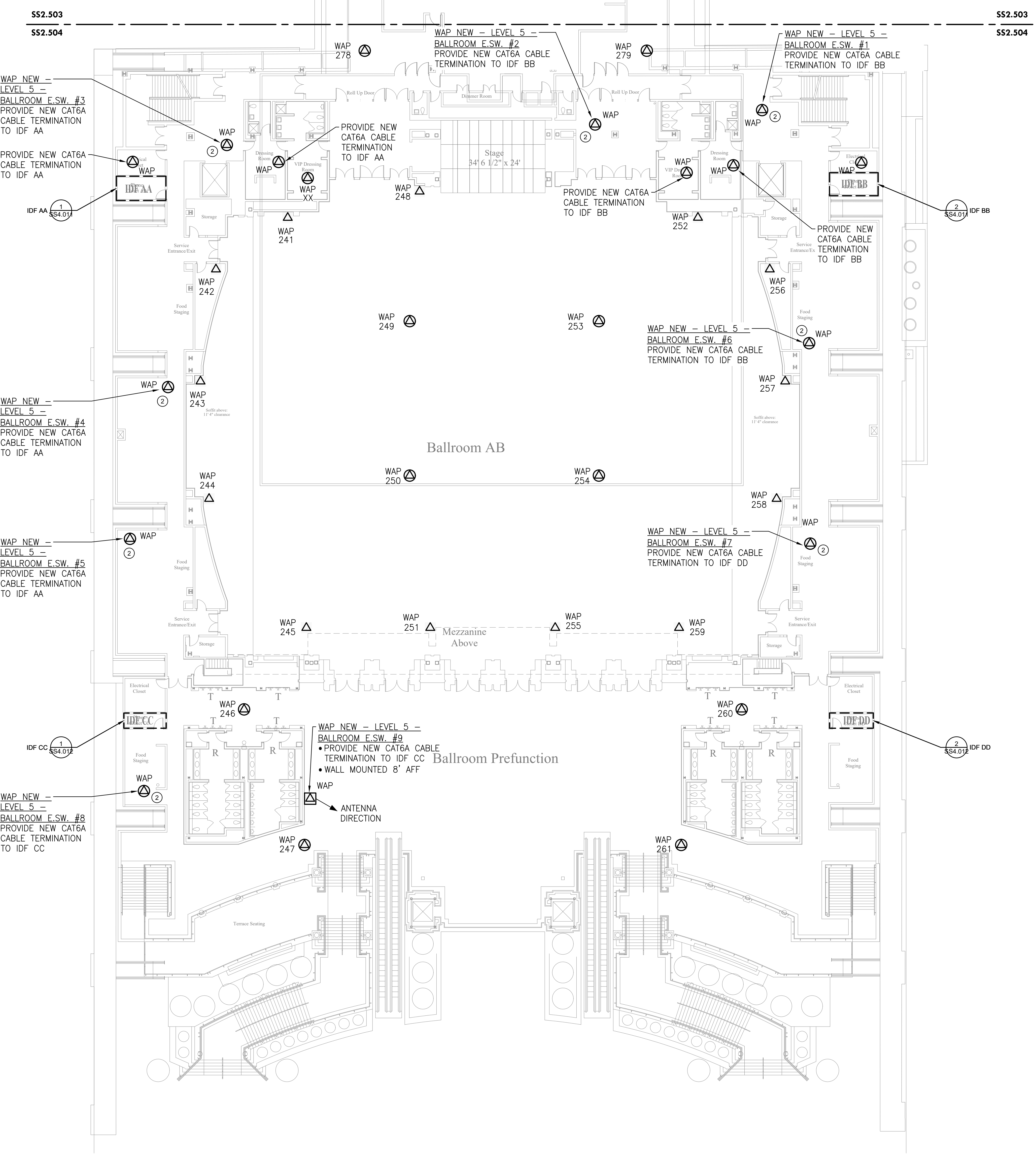
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**LEVEL 5 - NEW WAP PLAN
 BALLROOM 'E' S.W**

| | |
|----------------|------------|
| Project Number | 128620.001 |
| Date | 2022-08-29 |
| Drawn By | TB |
| Checked By | EH |
| SS2.504 | |
| Scale | AS NOTED |



1 LEVEL 5 - NEW WAP PLAN BALLROOM 'E' S.W.
 Scale: 1/16" = 1'-0"

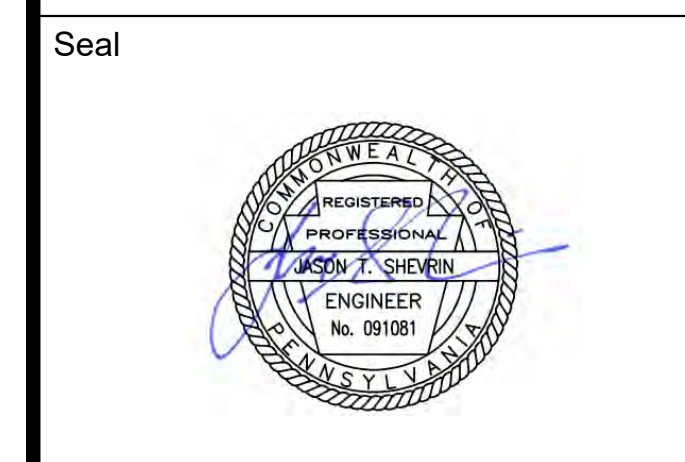
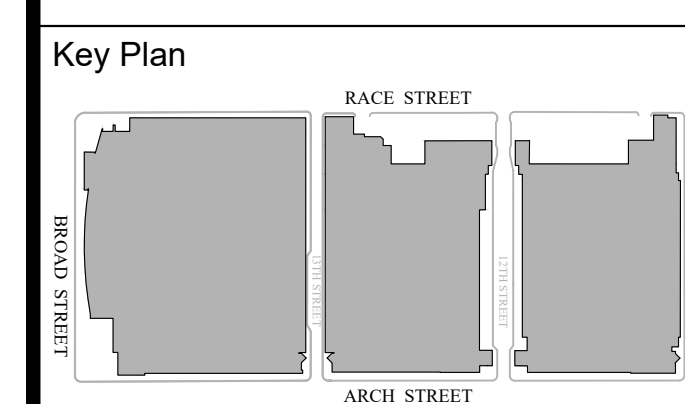
| DESCRIPTION | WIRELESS ACCESS POINT QUANTITIES | | |
|--------------|----------------------------------|-------------|------------|
| | EXISTING DEVICES | NEW DEVICES | NET CHANGE |
| ACCESS POINT | TOTAL QTY | TOTAL QTY | TOTAL QTY |
| | 24 | 38 | 14 |
| TOTAL | 24 | 38 | 14 |

GENERAL NOTES:
 1. PROVIDE NEW ACCESS POINTS WIFI 6 OR BETTER.
 ACCESS POINTS TO REUSE MOUNTING BRACKETS OR OTHERWISE AS INDICATED WHEN DEVICE IS WALL-MOUNTED OR CEILING MOUNTED AS PROVIDED IN THE INSTALLATION DETAILS.

KEYED NOTES (X):
 1. NOT USED.
 2. PROVIDE ADDITIONAL ACCESS POINT TO PROVIDE COVERAGE.

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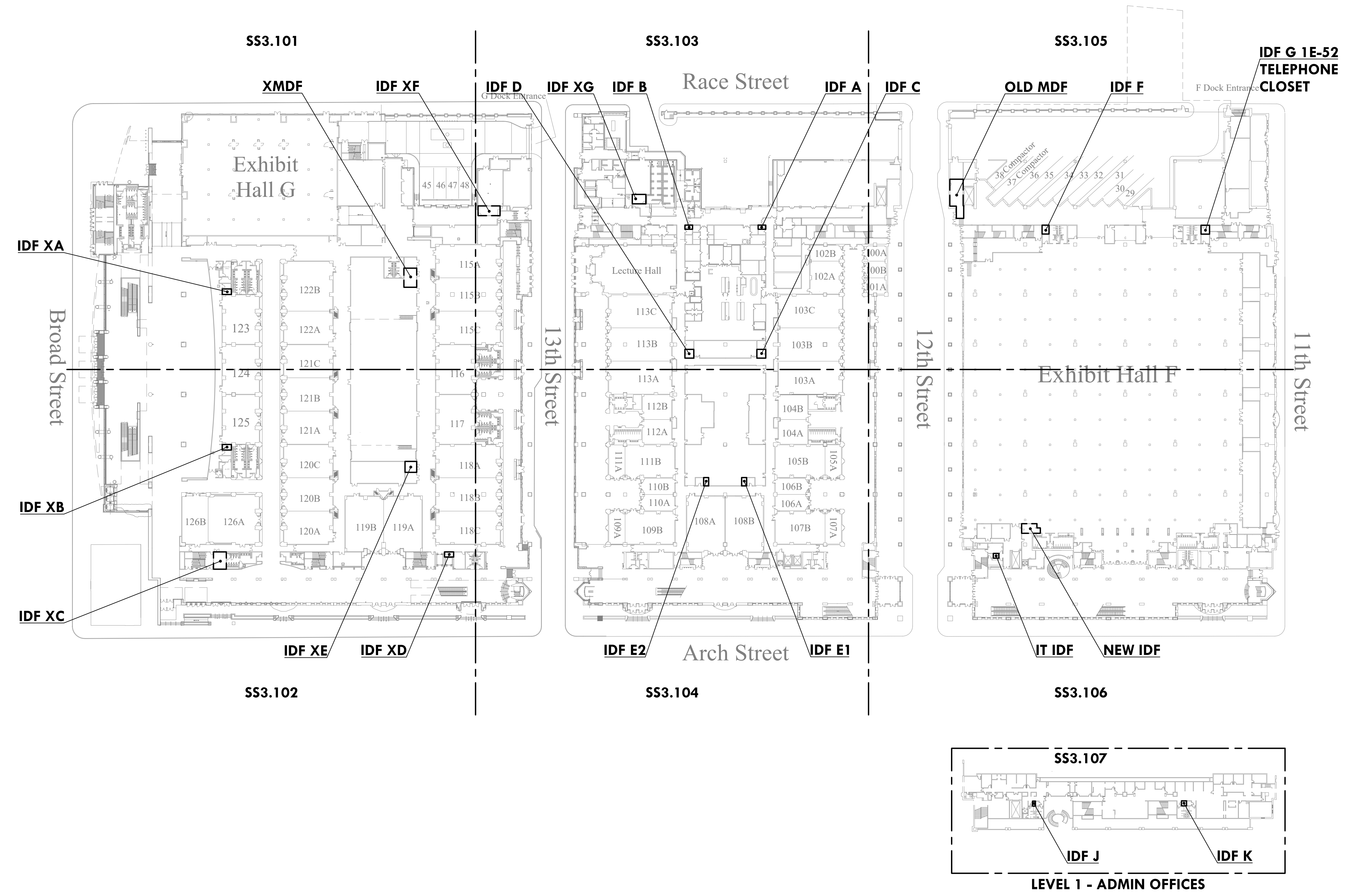
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LEVEL 1 OVERALL KEY PLAN

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|----------------|------------|
| Project Number | 128620.001 |
| Date | 2022-08-29 |
| Drawn By | TB |
| Checked By | EH |

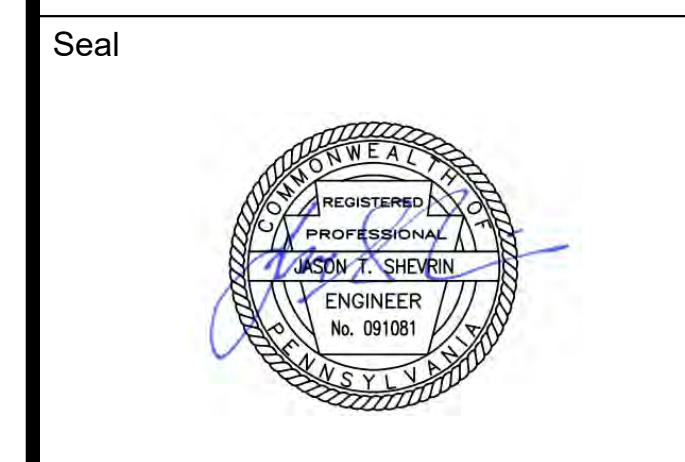
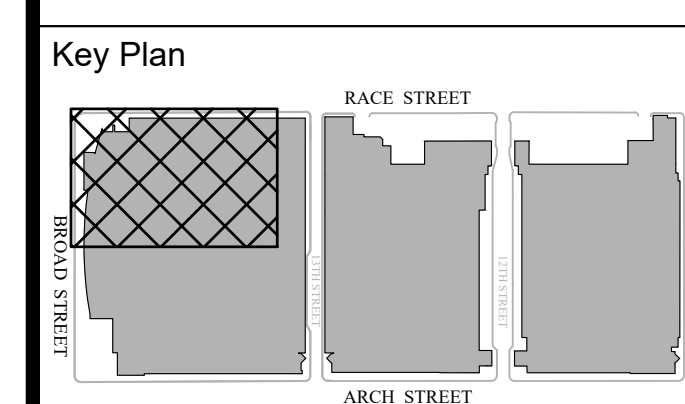
SS3.100
 Scale AS NOTED



1 LEVEL 1 OVERALL KEY PLAN
 SS3.100 Scale: 1/64" = 1'-0"

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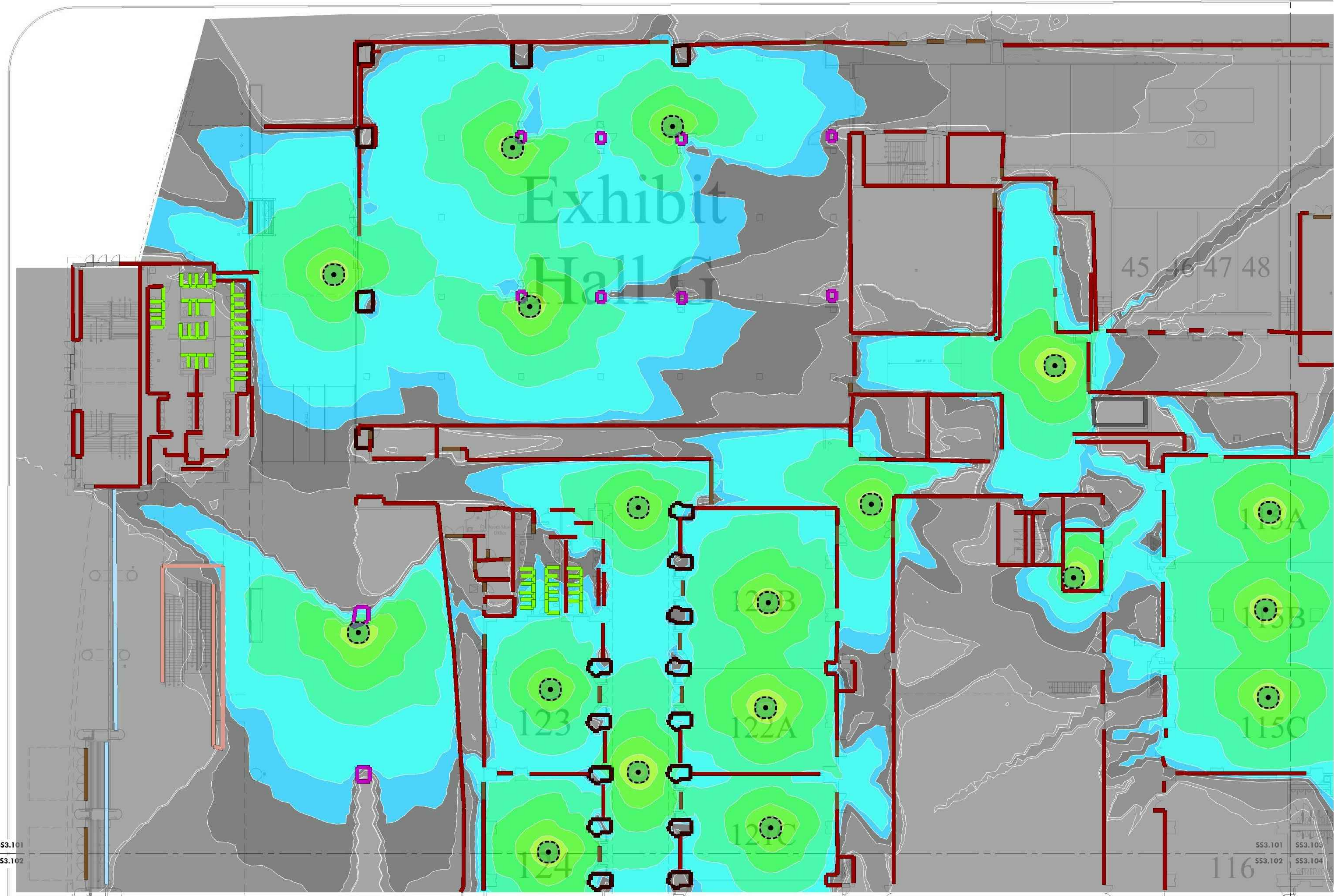
PCCA WiFi UPGRADES
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LEVEL 1 - EXISTING HEAT MAP PLAN NW

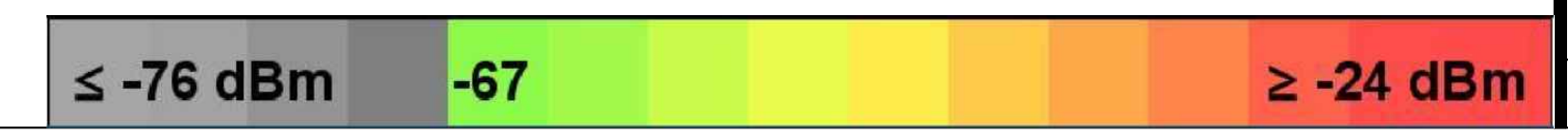
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| Project Number | 128620.001 |
| Date | 2022-08-29 |
| Drawn By | TB |
| Checked By | EH |

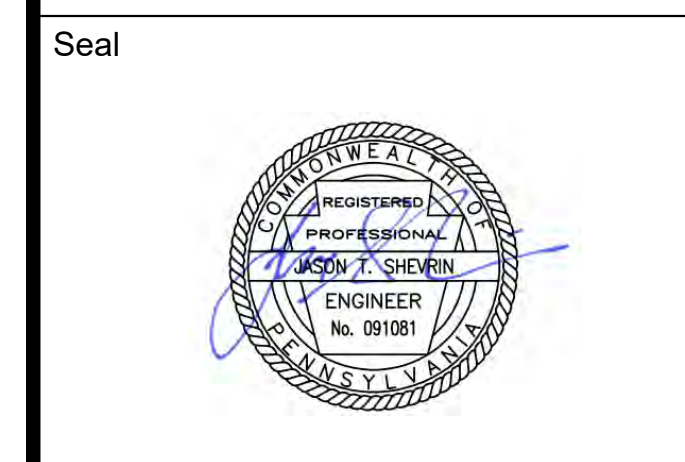
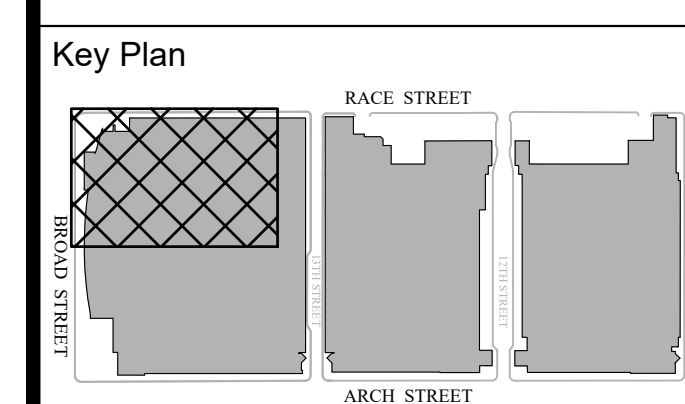
SS3.101A
 Scale AS NOTED

Broad S



1 LEVEL 1 - EXISTING HEAT MAP PLAN NW
 Scale: 1/16" = 1'-0"





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LEVEL 1 - NEW HEAT MAP PLAN NW

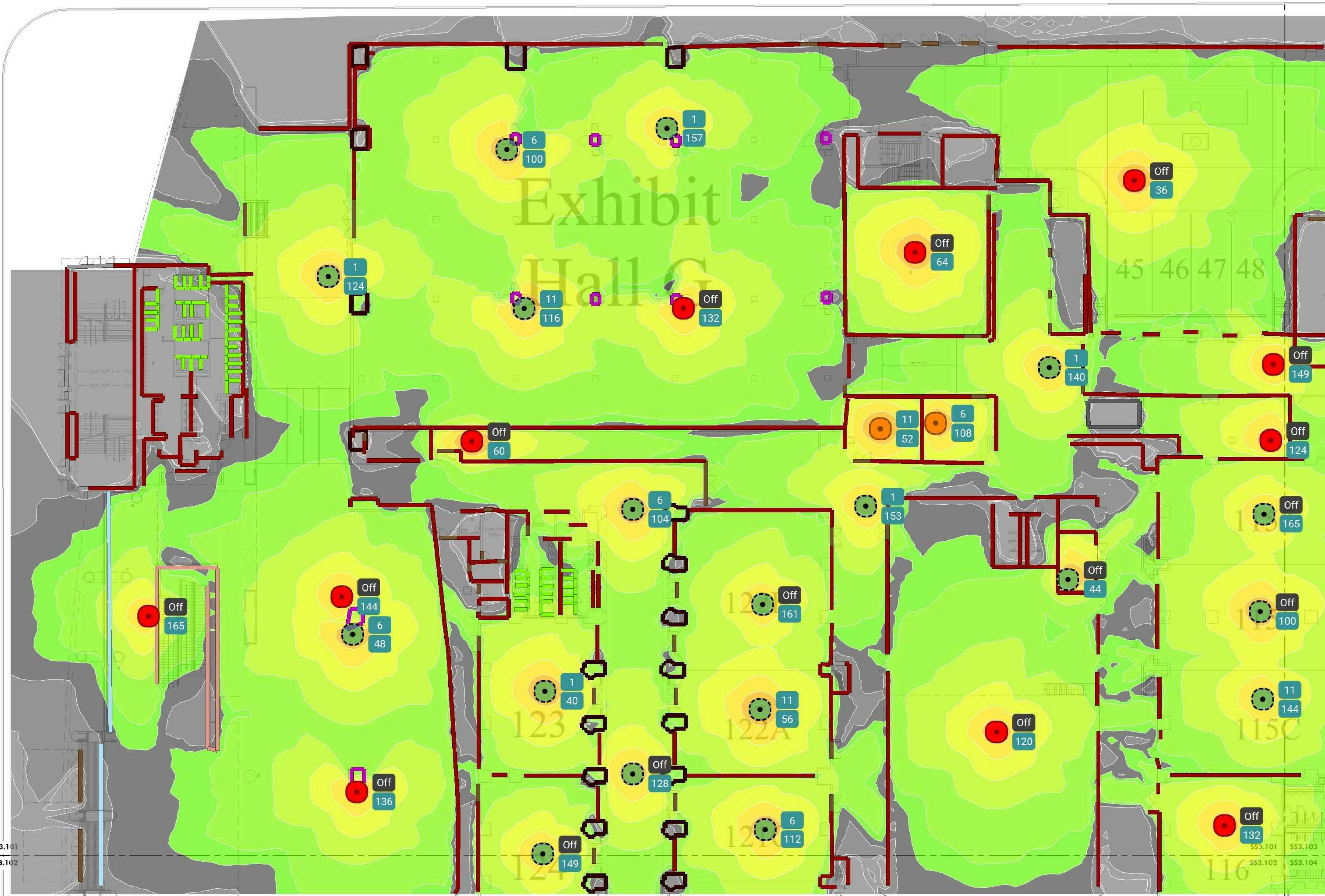
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| Date | 2022-08-29 |
| Drawn By | TB |
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SS3.101B

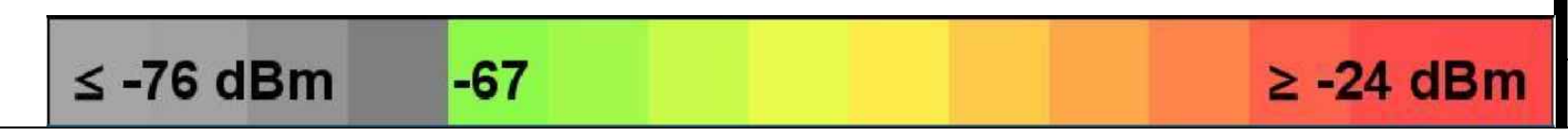
Scale AS NOTED

100% SUBMISSION

SS3.101 | SS3.103
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1 LEVEL 1 - NEW HEAT MAP PLAN NW
 Scale: 1/16" = 1'-0"



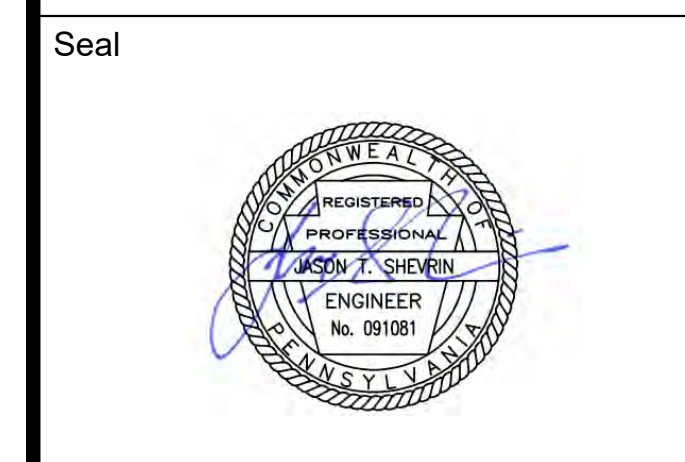
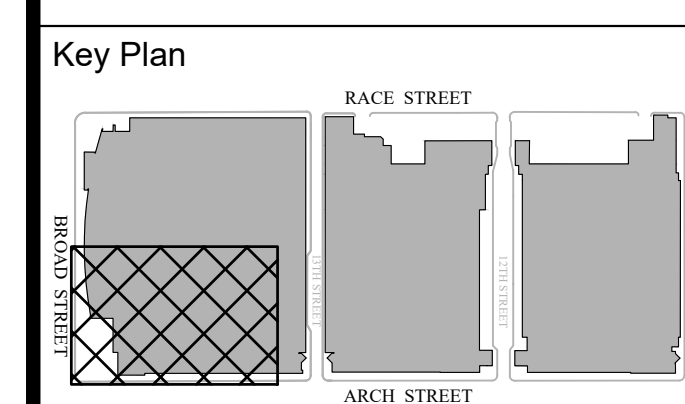
Broad S

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SS3.101
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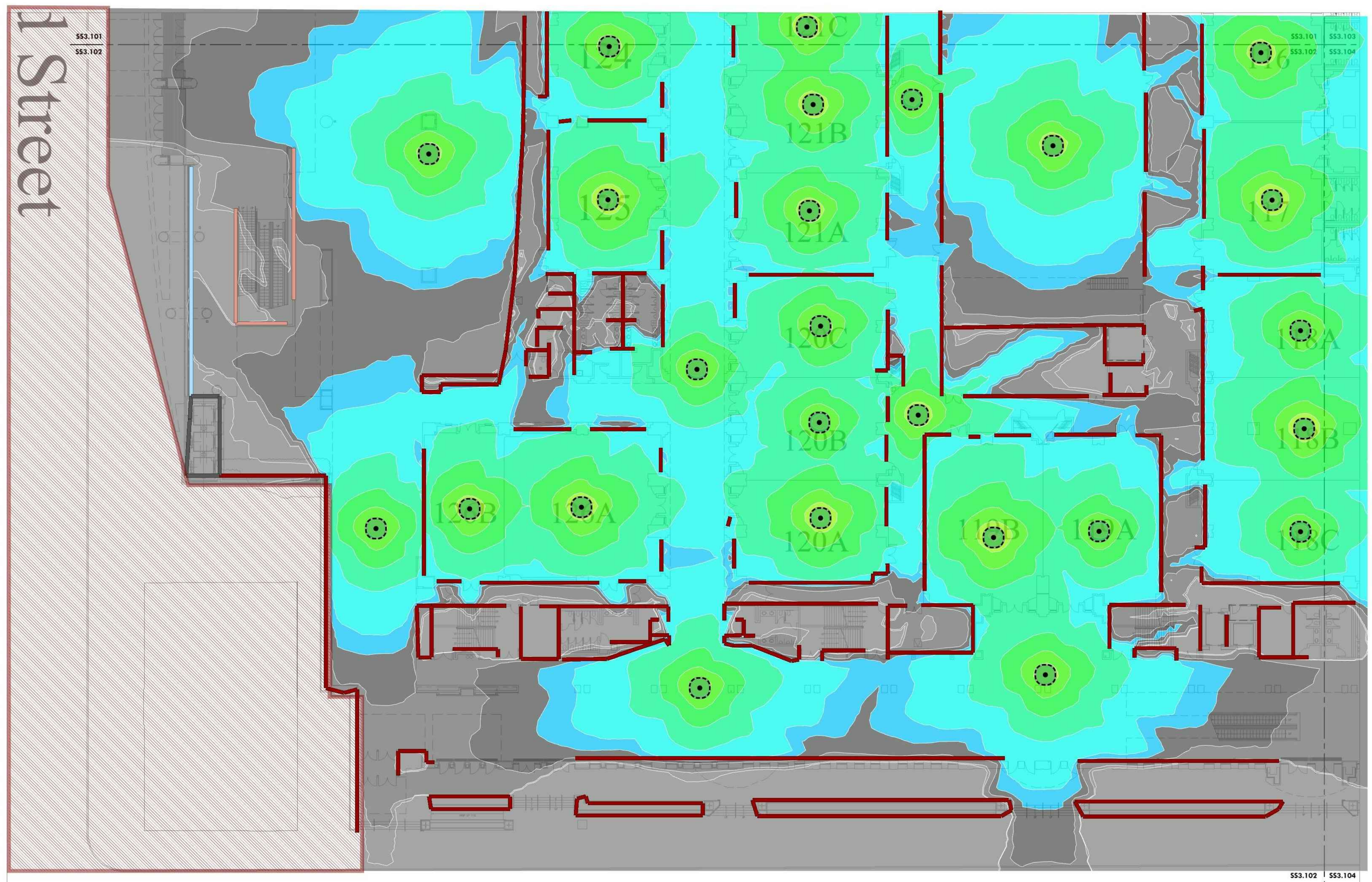
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LEVEL 1 - EXISTING HEAT MAP PLAN SW

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| Project Number | 128620.001 |
| Date | 2022-08-29 |
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SS3.102A
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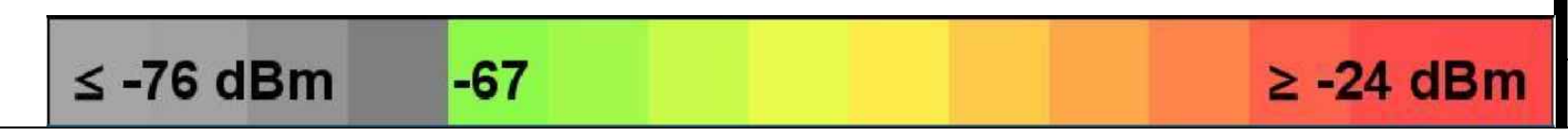


1 Street

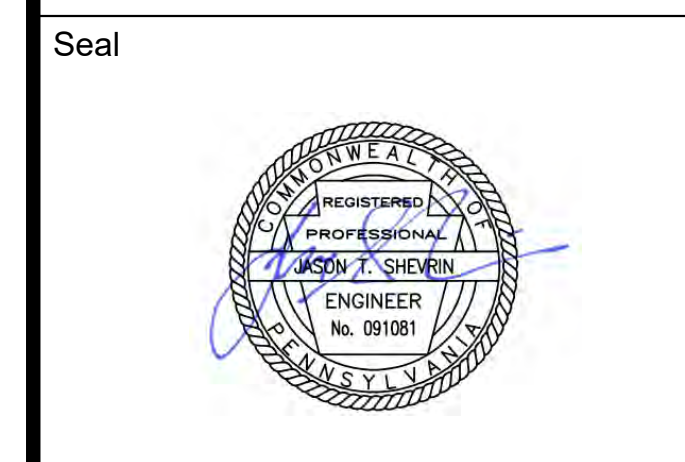
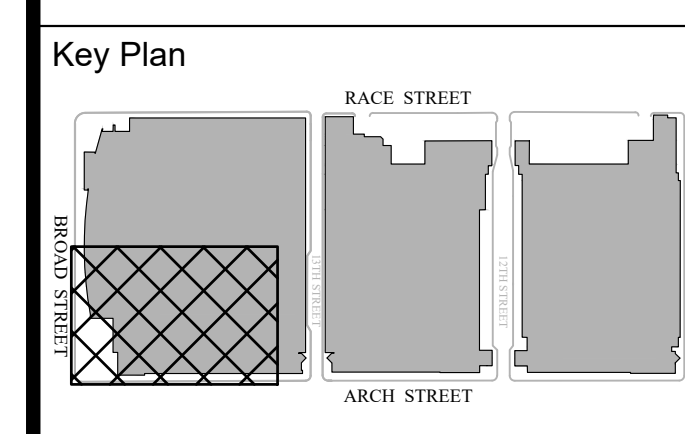
SS3.101
 SS3.102

SS3.102 SS3.104

1 LEVEL 1 - EXISTING HEAT MAP PLAN SW
 Scale: 1/16" = 1'-0"



Architect
 Civil Engineer
 Structural Engineer



Revisions:

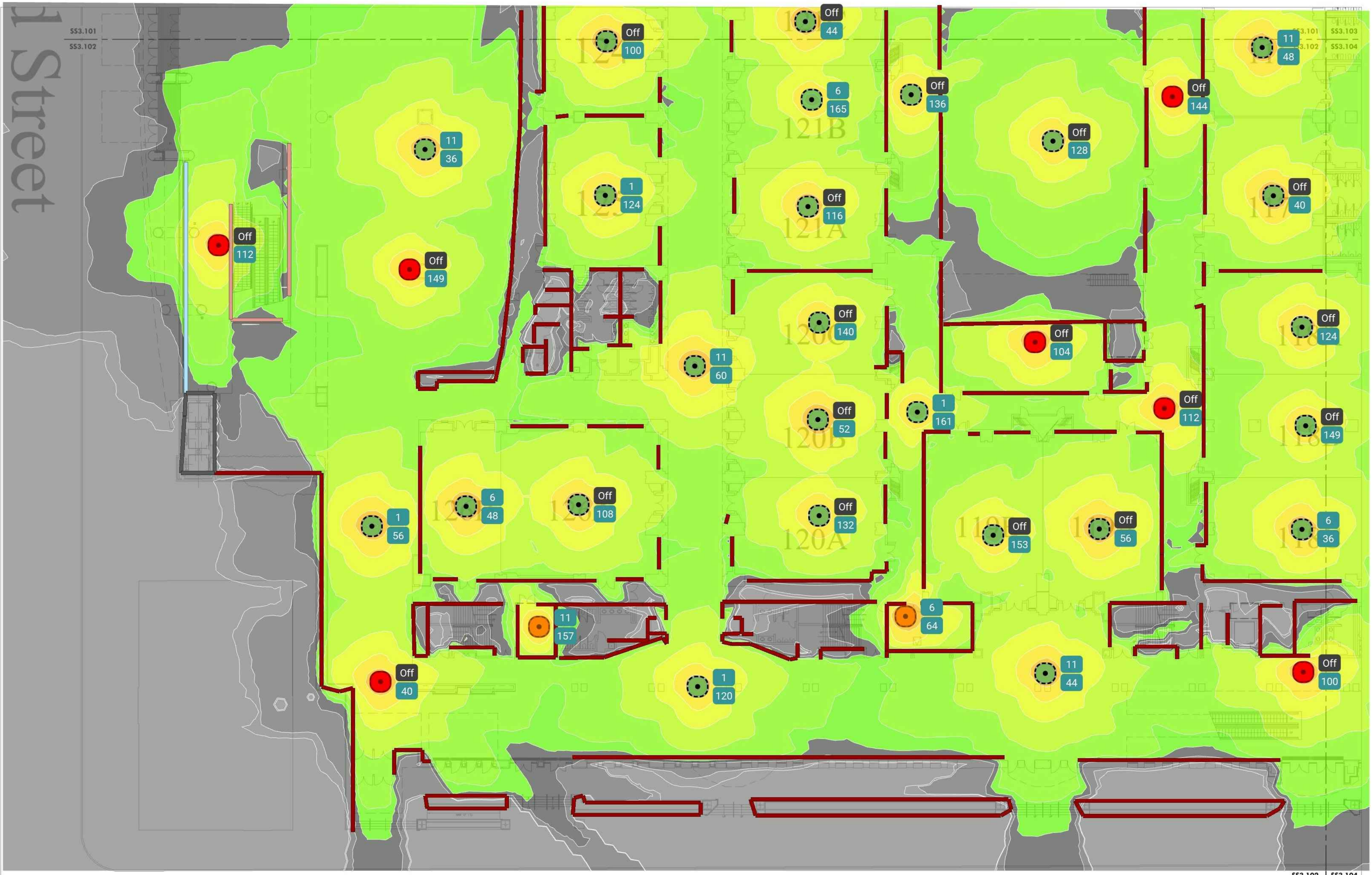
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**LEVEL 1 - NEW HEAT MAP
 PLAN SW**

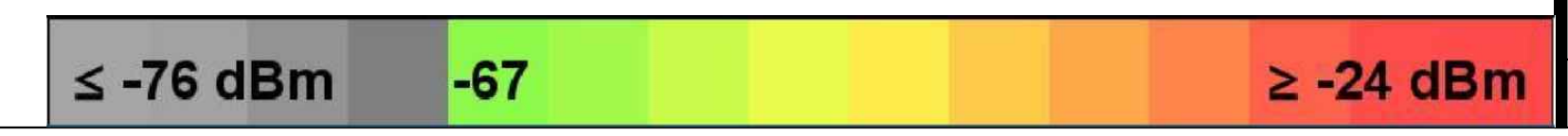
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| Date | 2022-08-29 |
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SS3.102B
 Scale AS NOTED



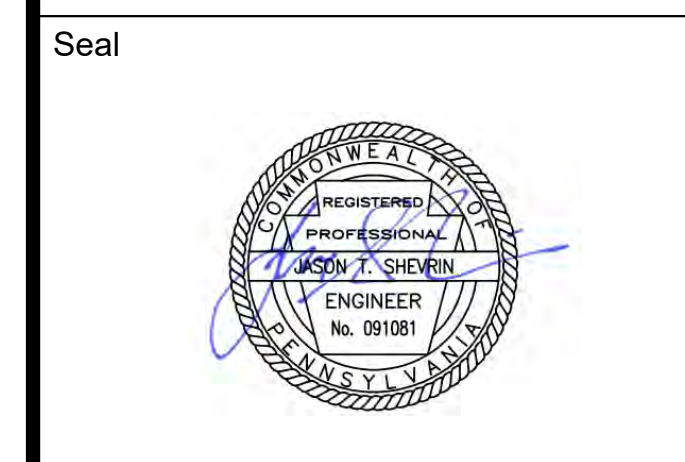
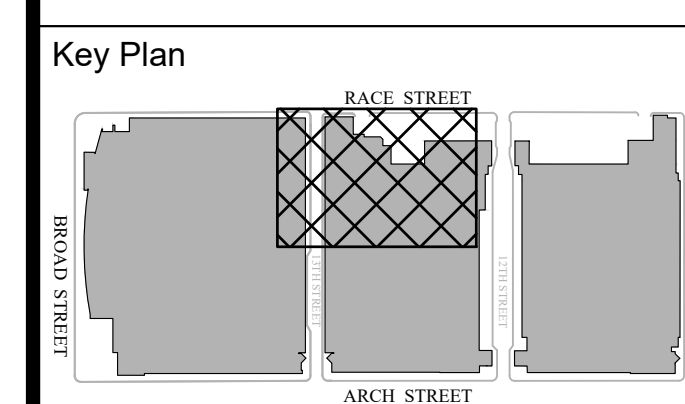
Arch Street

1 LEVEL 1 - NEW HEAT MAP PLAN SW
 SS3.102B Scale: 1/16" = 1'-0"



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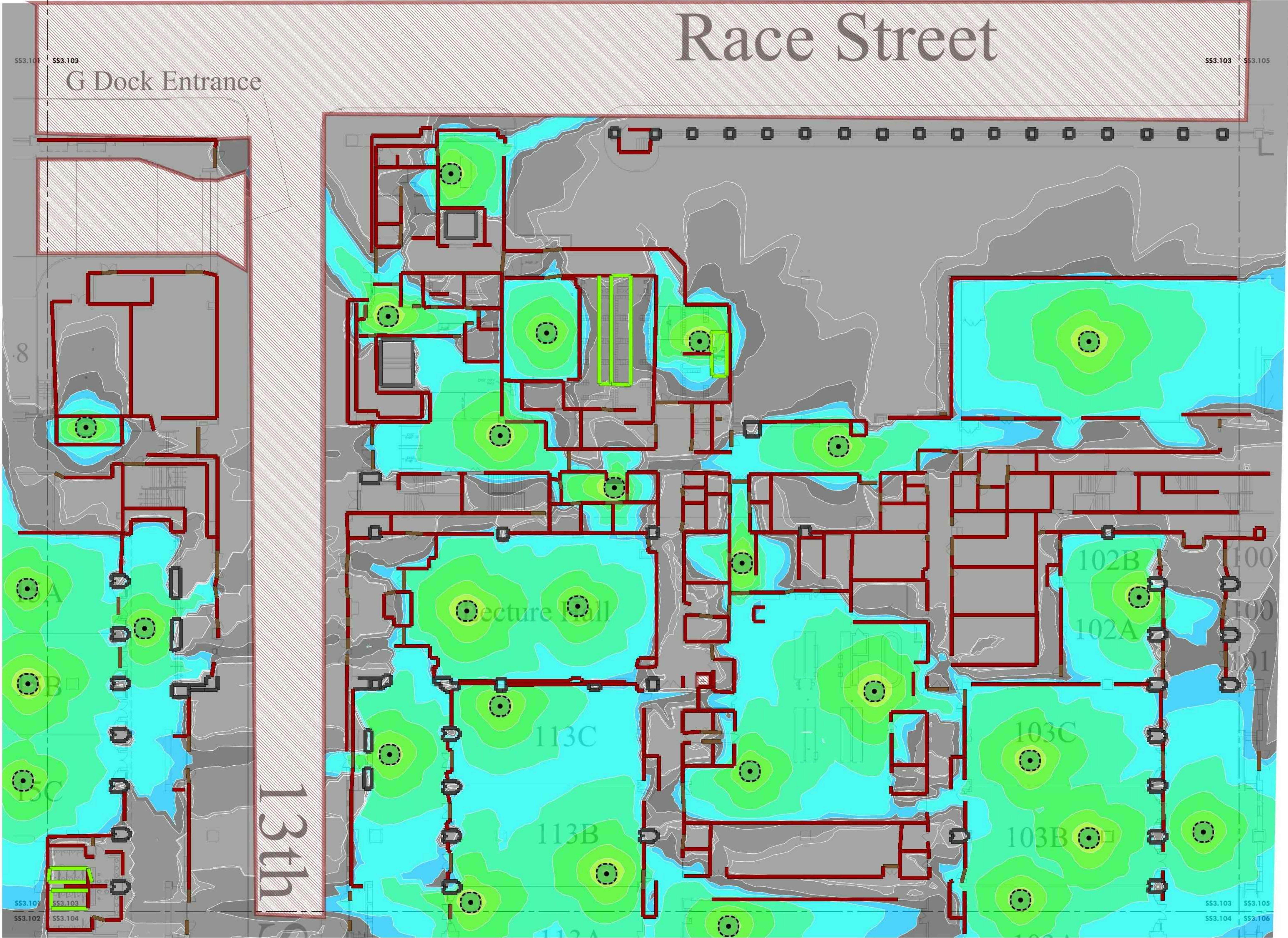
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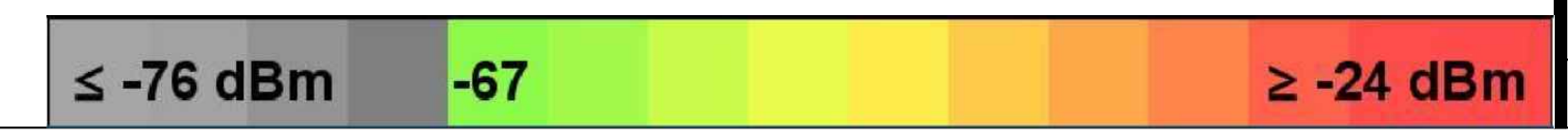
LEVEL 1 - EXISTING HEAT MAP PLAN NE

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| Date | 2022-08-29 |
| Drawn By | TB |
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SS3.103A
 Scale AS NOTED

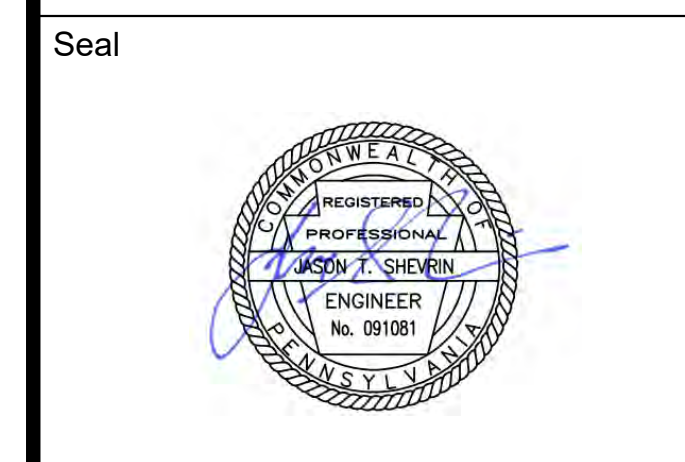
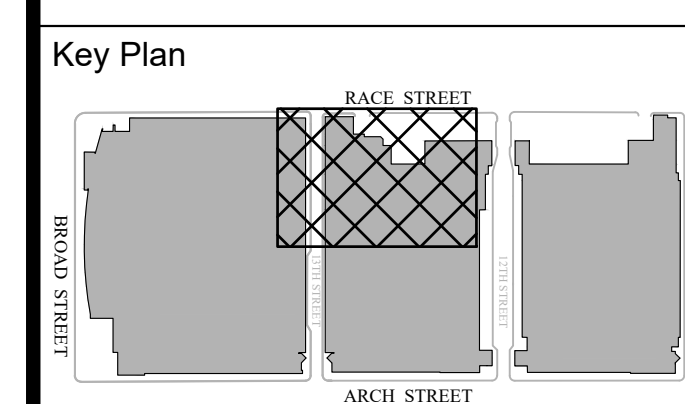


1 LEVEL 1 - EXISTING HEAT MAP PLAN NE
 Scale: 1/16" = 1'-0"



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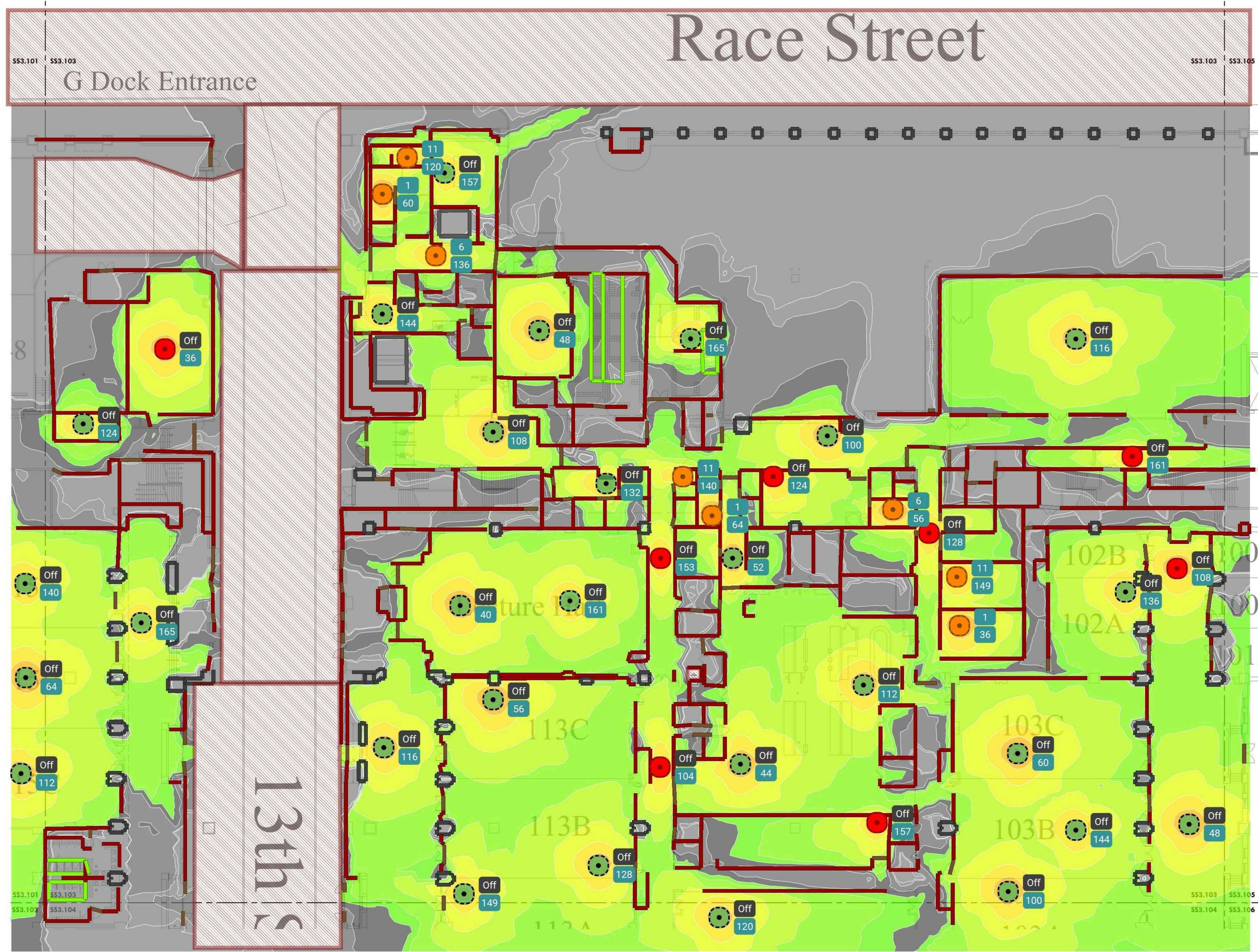
LEVEL 1 - NEW HEAT MAP PLAN NE

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| Project Number | 128620.001 |
| Date | 2022-08-29 |
| Drawn By | TB |
| Checked By | EH |

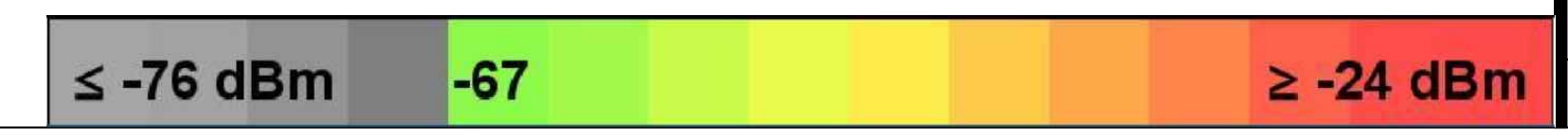
SS3.103B

Scale AS NOTED

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1 LEVEL 1 - NEW HEAT MAP PLAN NE
 Scale: 1/16" = 1'-0"



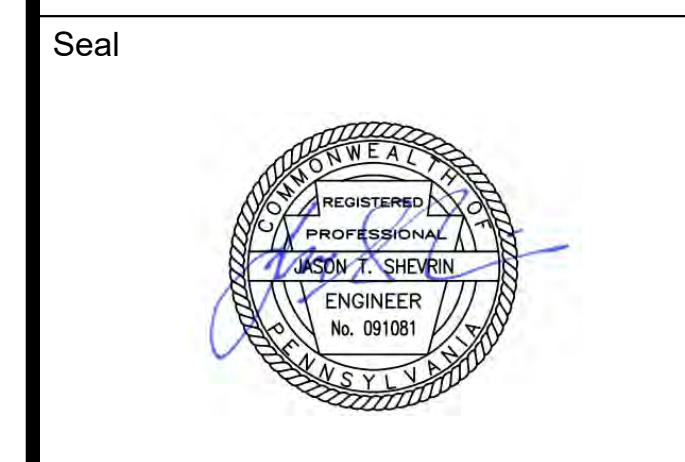
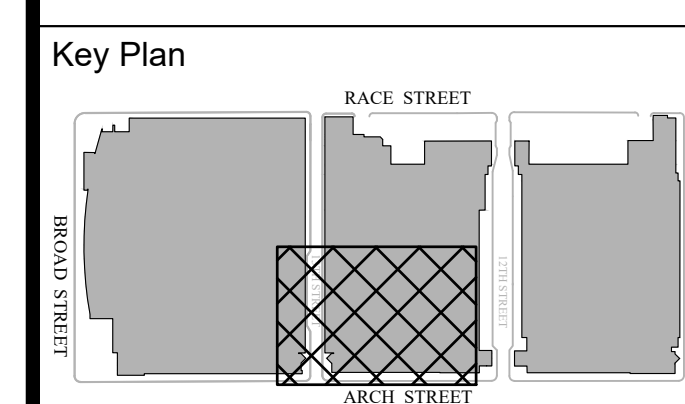
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Architect

Civil Engineer

Structural Engineer



Revisions:

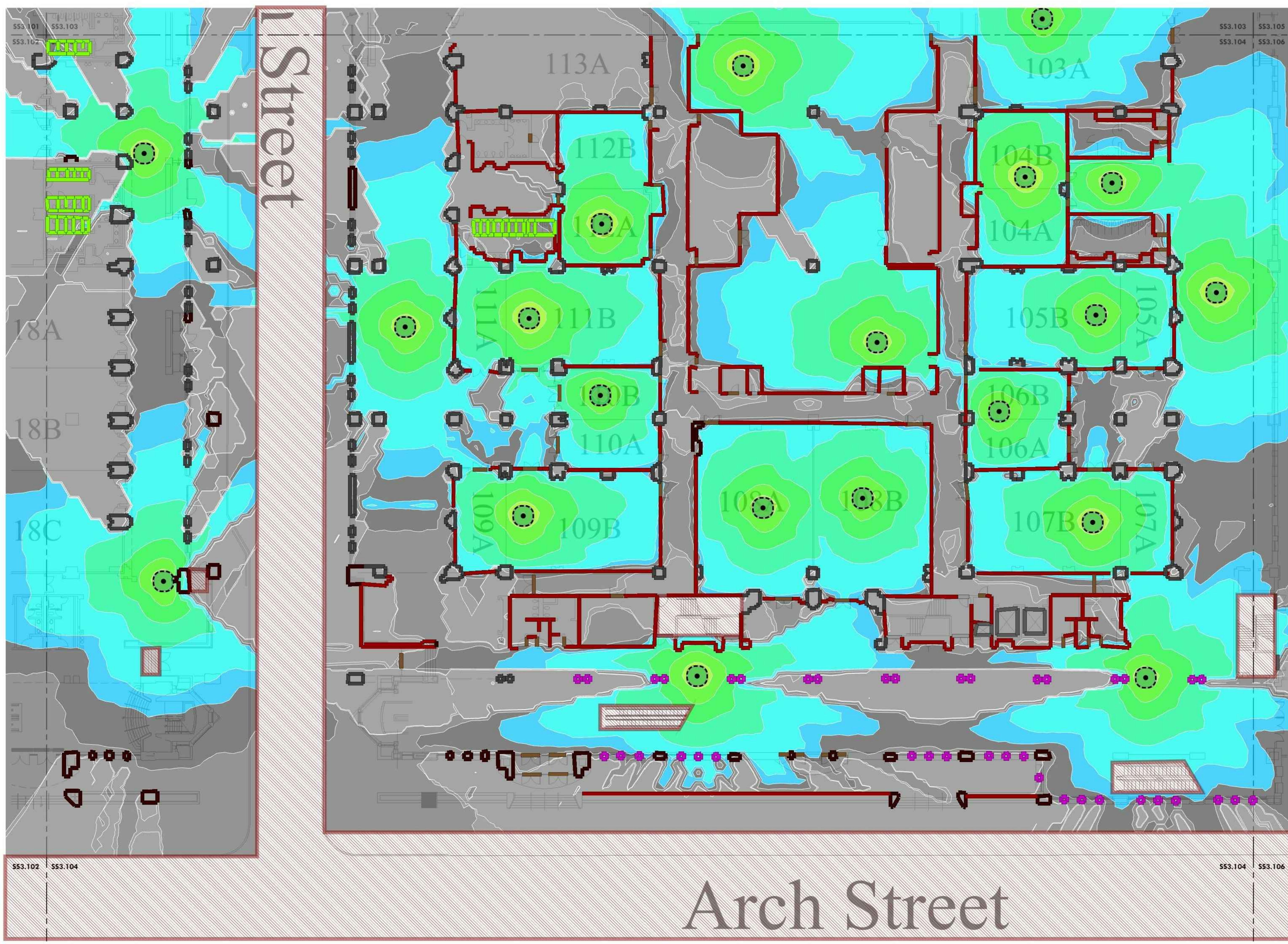
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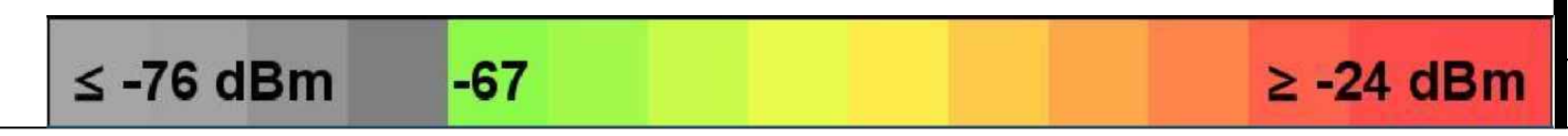
LEVEL 1 - EXISTING HEAT MAP PLAN SE

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| Date | 2022-08-29 |
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 Scale AS NOTED



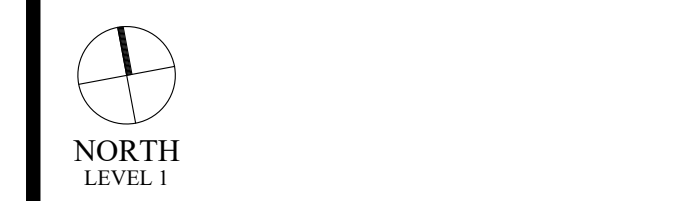
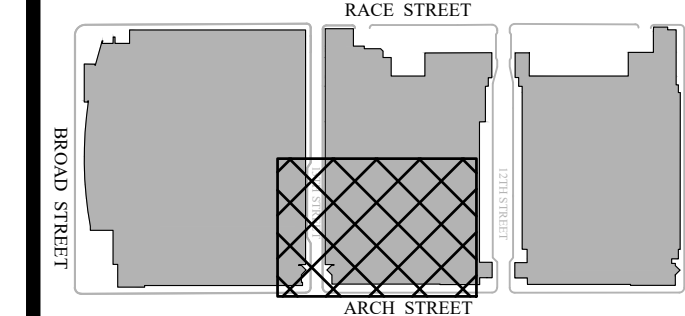
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 Scale: 1/16" = 1'-0"



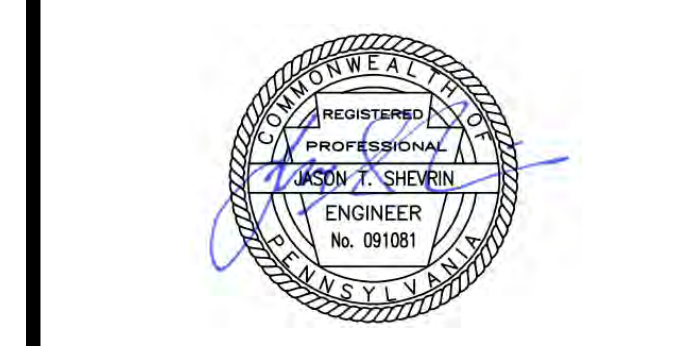
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Key Plan



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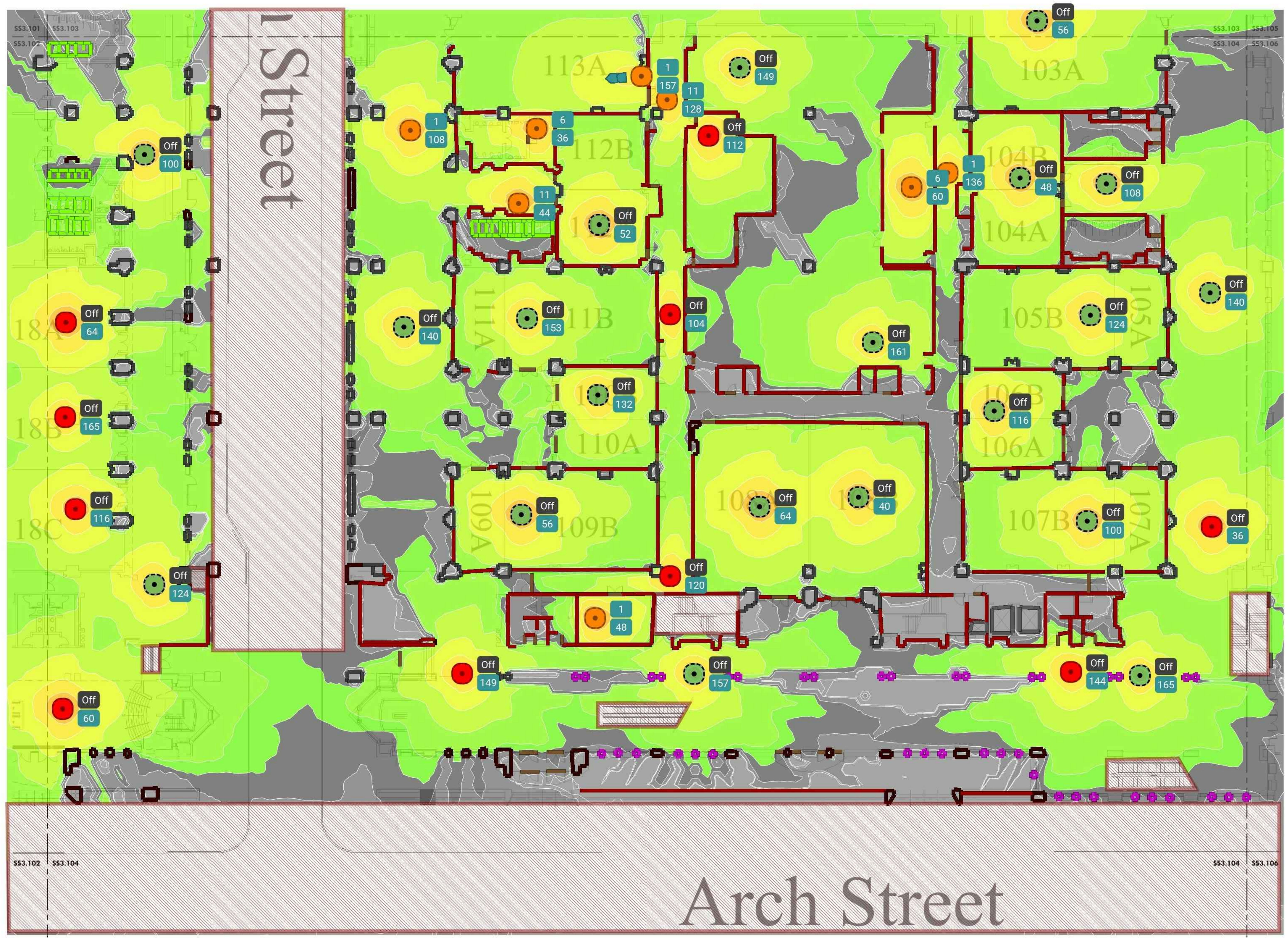
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**LEVEL 1 - NEW HEAT MAP
 PLAN SE**

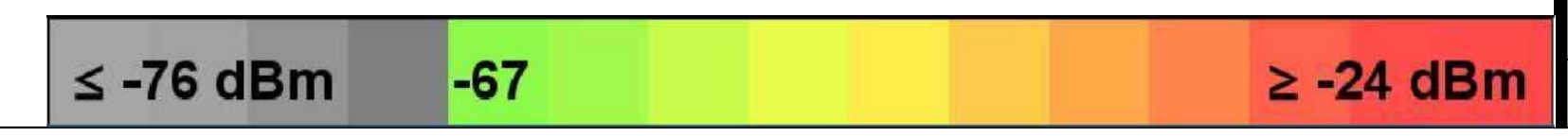
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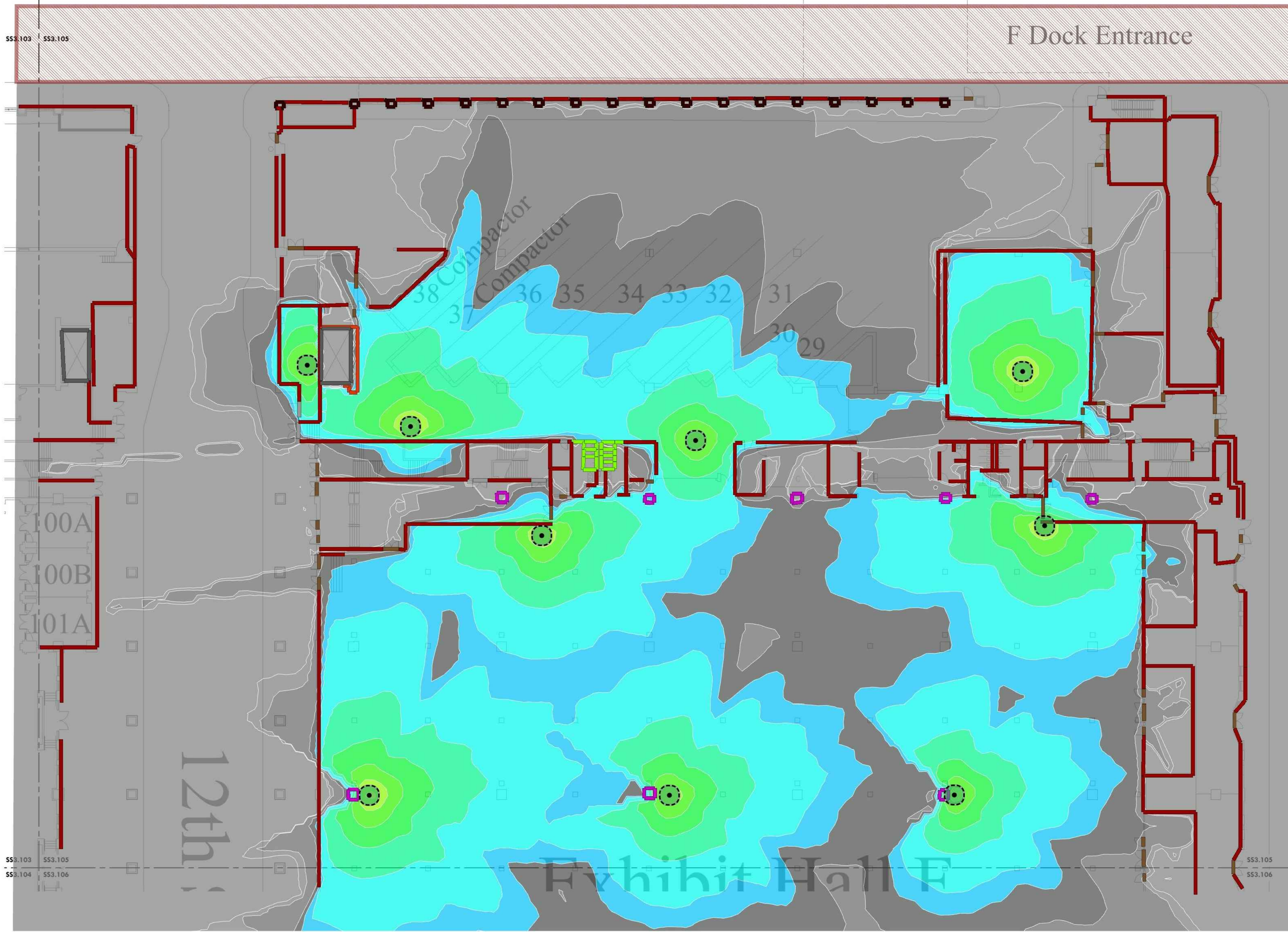
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1 LEVEL 1 - NEW HEAT MAP PLAN SE
 Scale: 1/16" = 1'-0"





1 LEVEL 1 - EXISTING HEAT MAP PLAN NE EXHIBIT HALL F
 Scale: 1/16" = 1'-0"

MEP / FP Engineer
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 1600 MARKET STREET, SUITE 1630
 PHILADELPHIA, PA. 19103
 215.372.1365

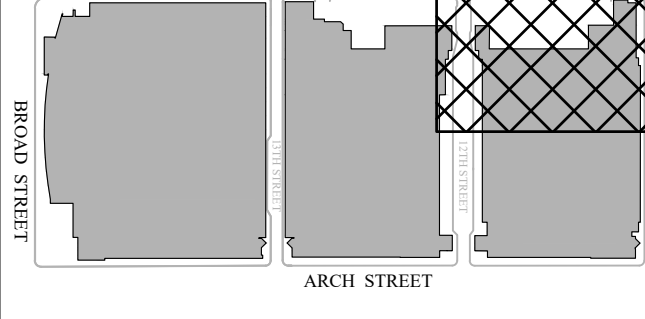
Architect

Civil Engineer

Structural Engineer



Key Plan



Seal



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LEVEL 1 - EXISTING HEAT MAP PLAN NE EXHIBIT HALL F

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| Drawn By | TB |
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SS3.105A

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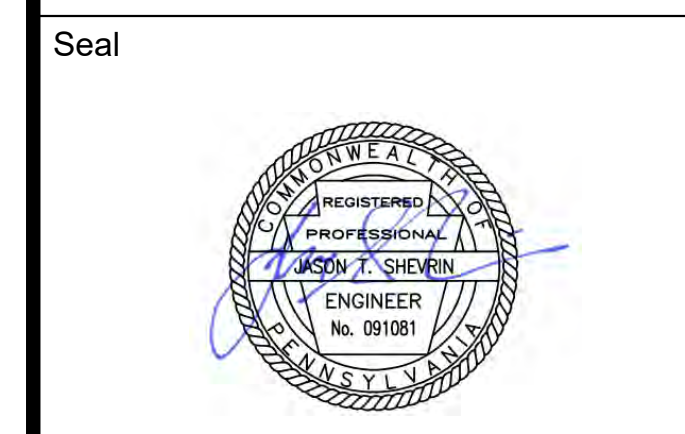
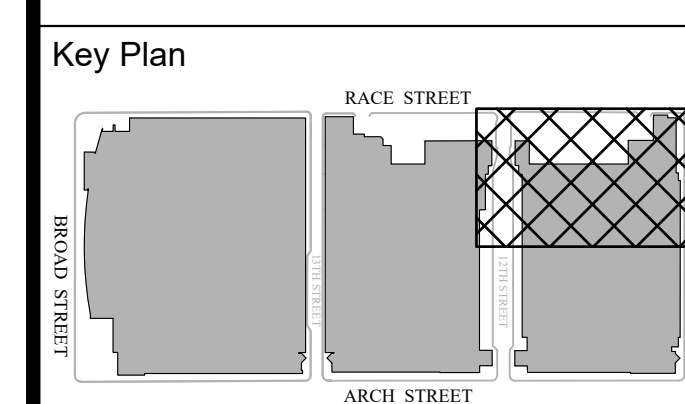
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Architect

Civil Engineer

Structural Engineer



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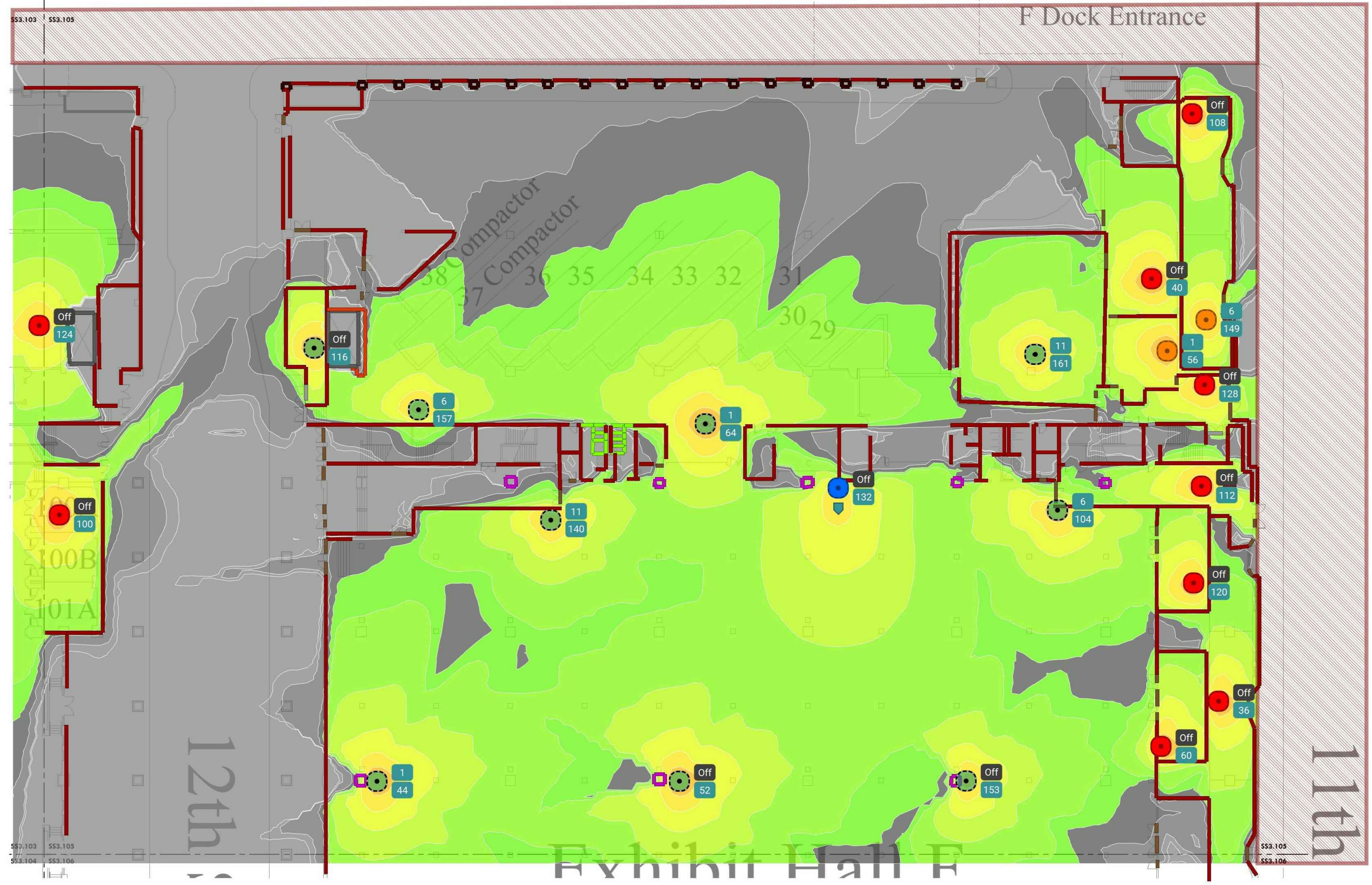
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| Date | 2022-08-29 |
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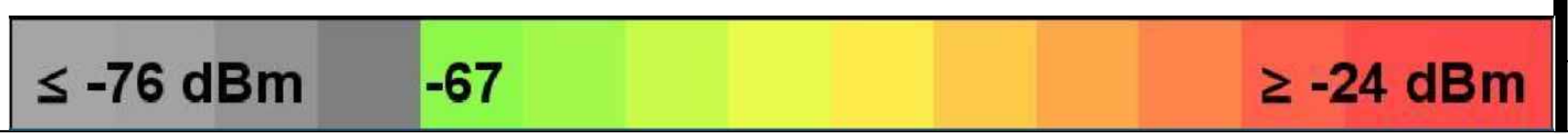
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Scale AS NOTED

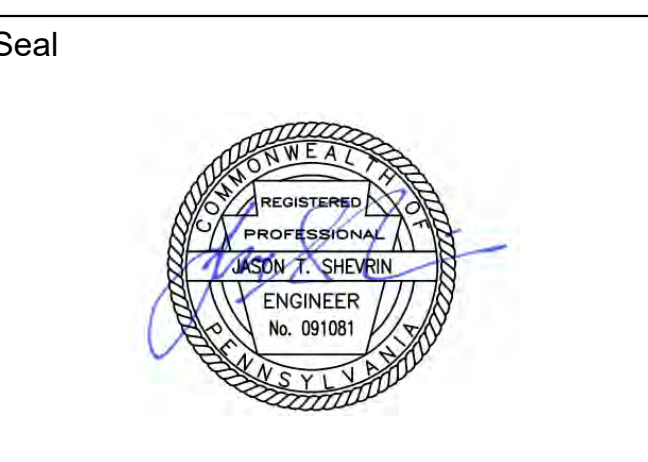
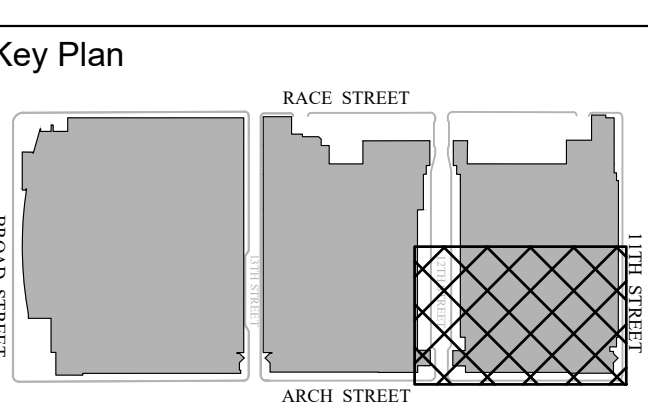
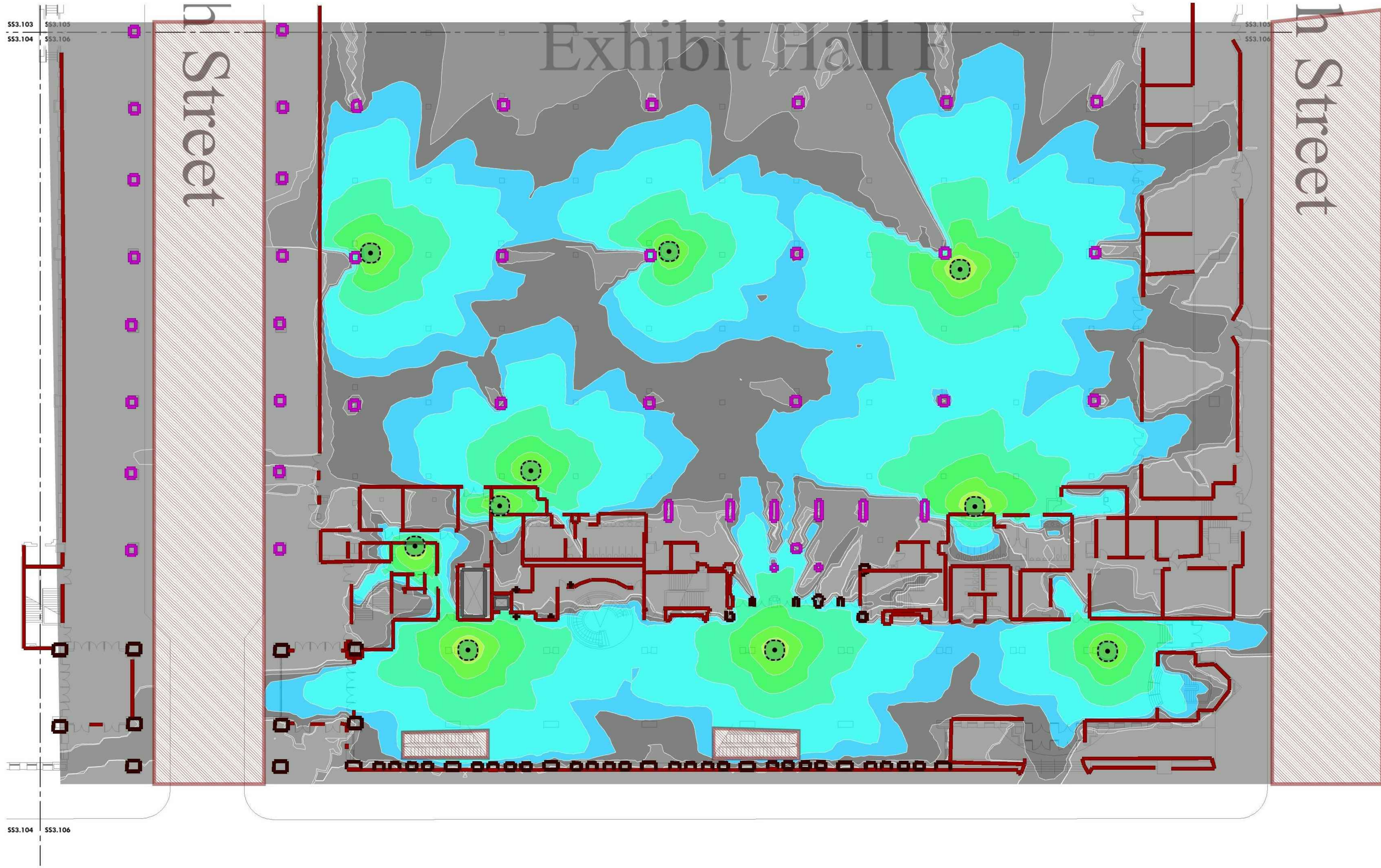
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1 LEVEL 1 - NEW HEAT MAP PLAN NE EXHIBIT HALL F
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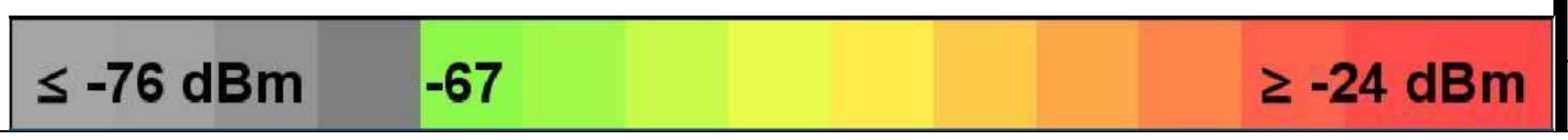
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LEVEL 1 - EXISTING HEAT MAP PLAN SE EXHIBIT HALL F

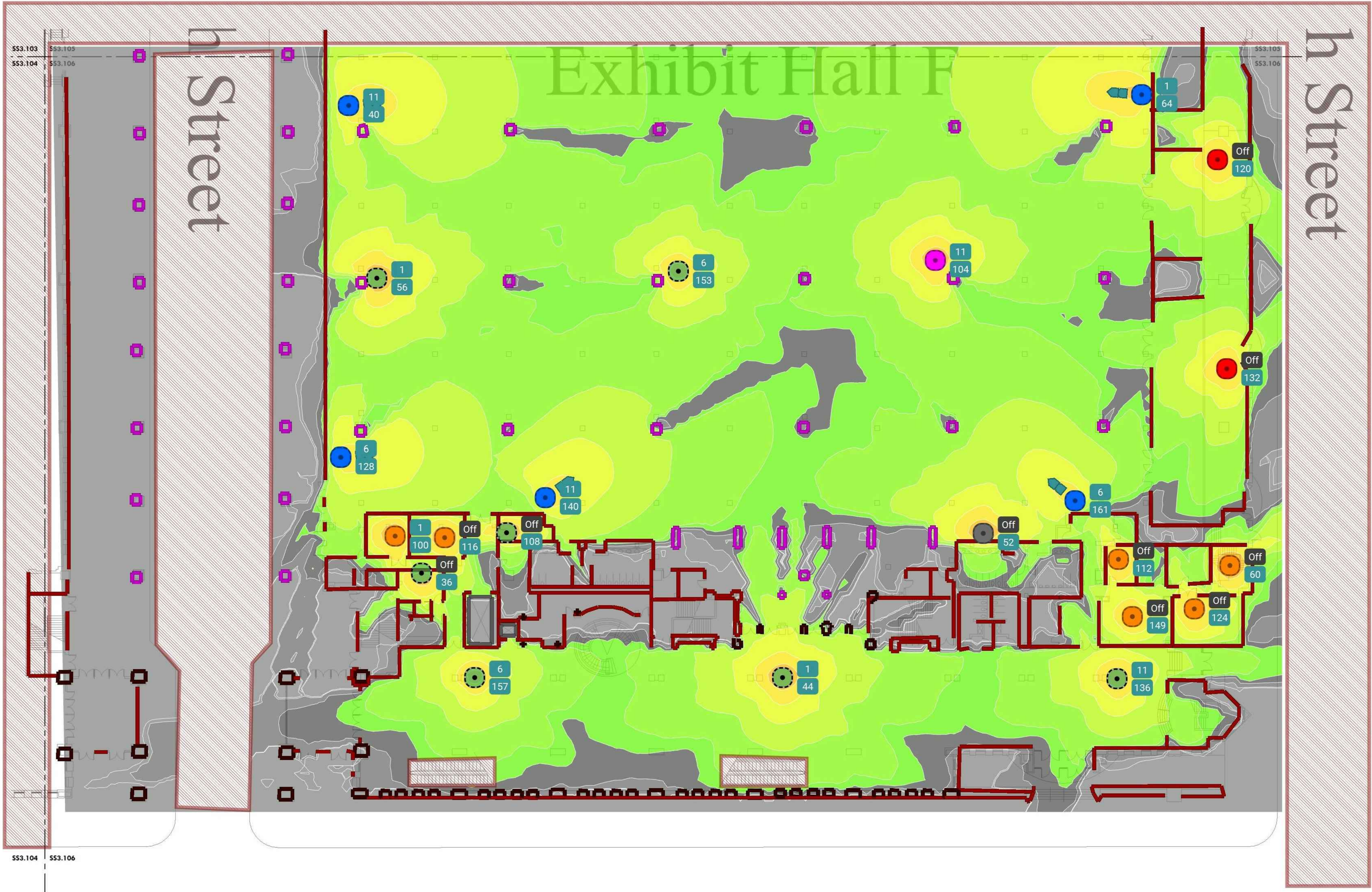
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| Checked By | EH |

SS3.106A
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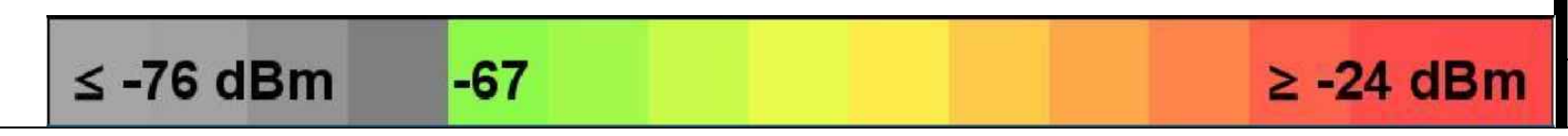
1 LEVEL 1 - EXISTING HEAT MAP PLAN SE EXHIBIT HALL F
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1 LEVEL 1 - NEW HEAT MAP PLAN SE EXHIBIT HALL F
 SSS.106B Scale: 1/16" = 1'-0"



MEP / FP Engineer
ARORA
 ARORA ENGINEERS, INC.
 1600 MARKET STREET, SUITE 1630
 PHILADELPHIA, PA. 19103
 215.372.1365

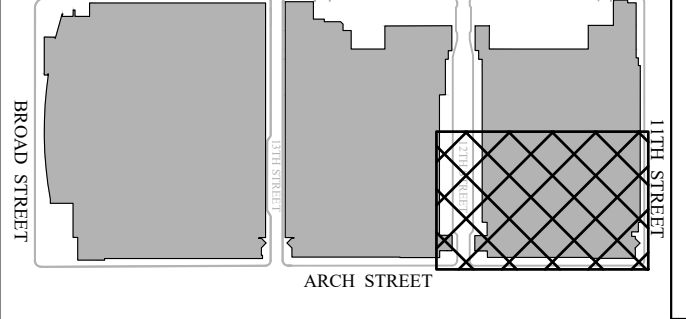
Architect

Civil Engineer

Structural Engineer



Key Plan



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**LEVEL 1 - NEW HEAT MAP
 PLAN SE EXHIBIT HALL F**

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| Date | 2022-08-29 |
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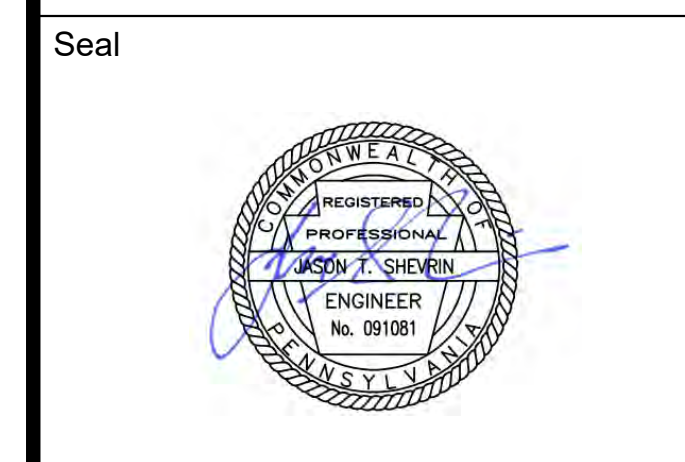
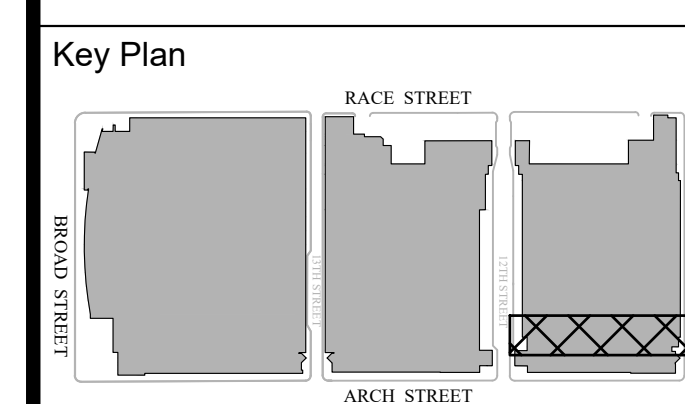
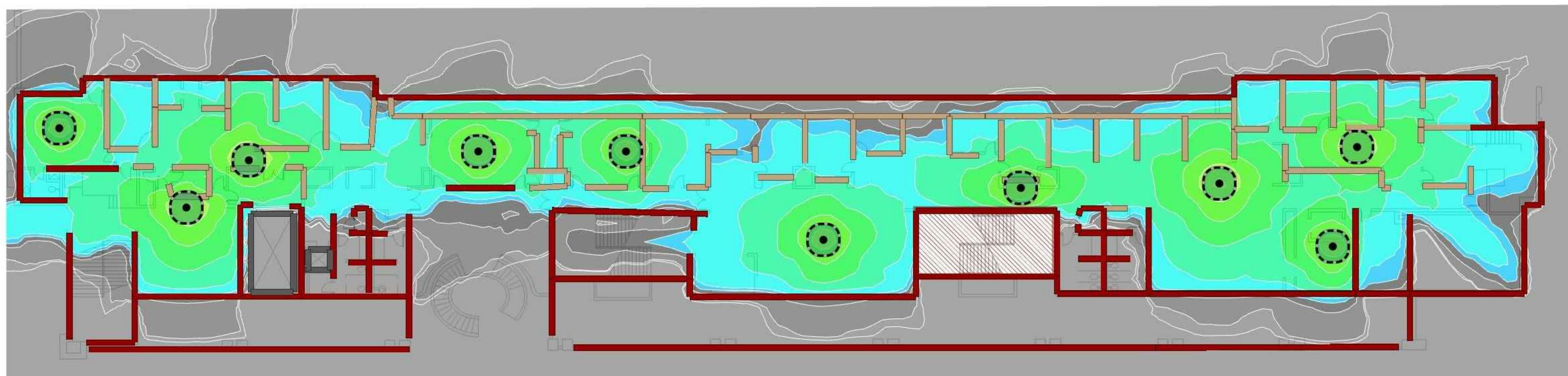
SSS.106B

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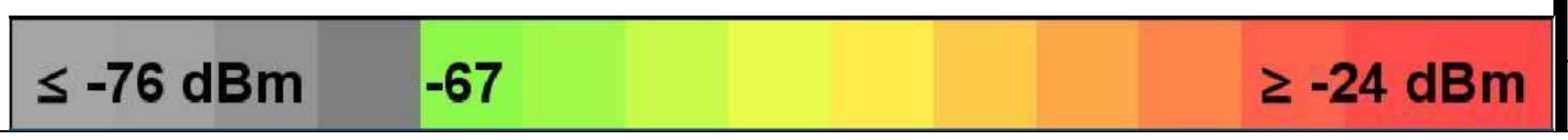
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LEVEL 1 - EXISTING HEAT MAP PLAN ADMIN OFFICES

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| Date | 2022-08-29 |
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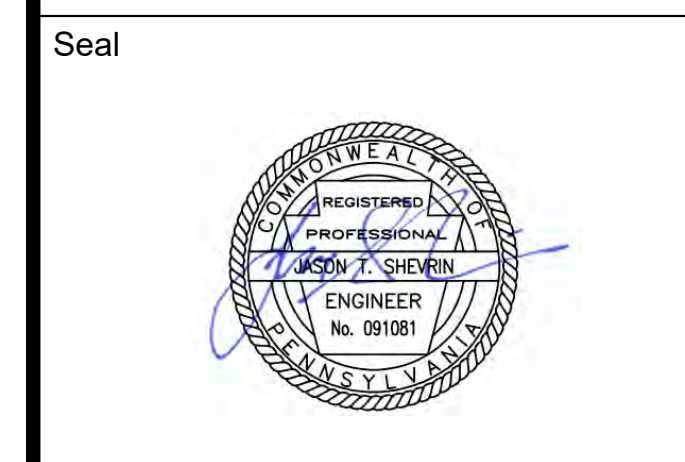
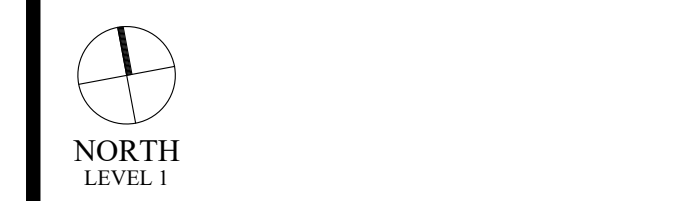
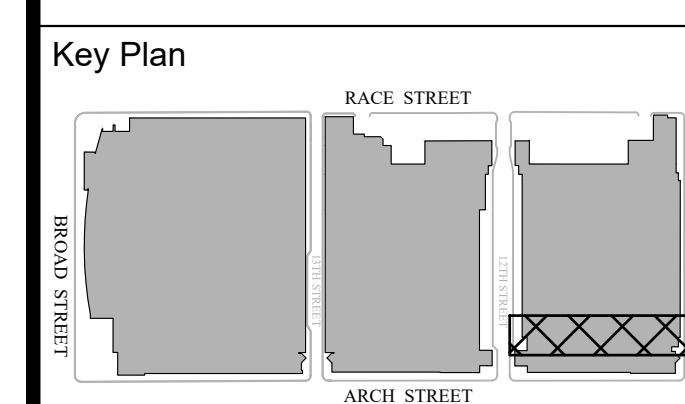
SS3.107A
 Scale AS NOTED

1 LEVEL 1 - EXISTING HEAT MAP PLAN ADMIN OFFICES
 SS3.107A Scale: 1/16" = 1'-0"



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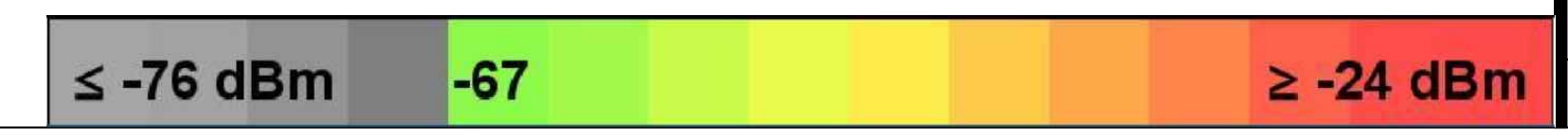
PCCA WiFi UPGRADES
 1101 ARCH STREET
 PHILADELPHIA, PA. 19107
 PENNSYLVANIA
 CONVENTION CENTER
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**LEVEL 1 - NEW HEAT MAP
 PLAN ADMIN OFFICES**

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| Project Number | 128620.001 |
| Date | 2022-08-29 |
| Drawn By | TB |
| Checked By | EH |

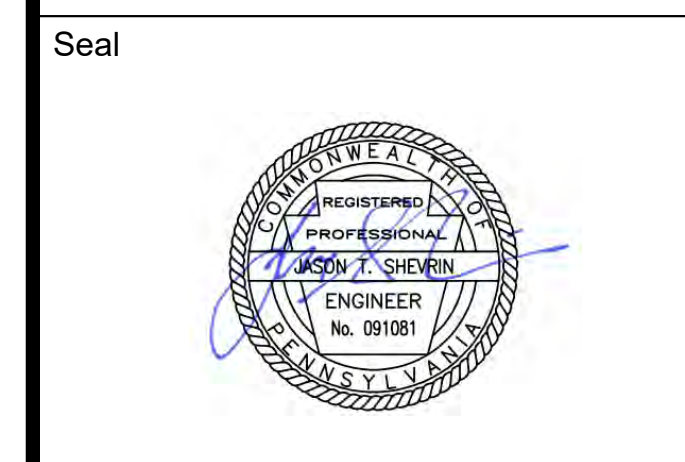
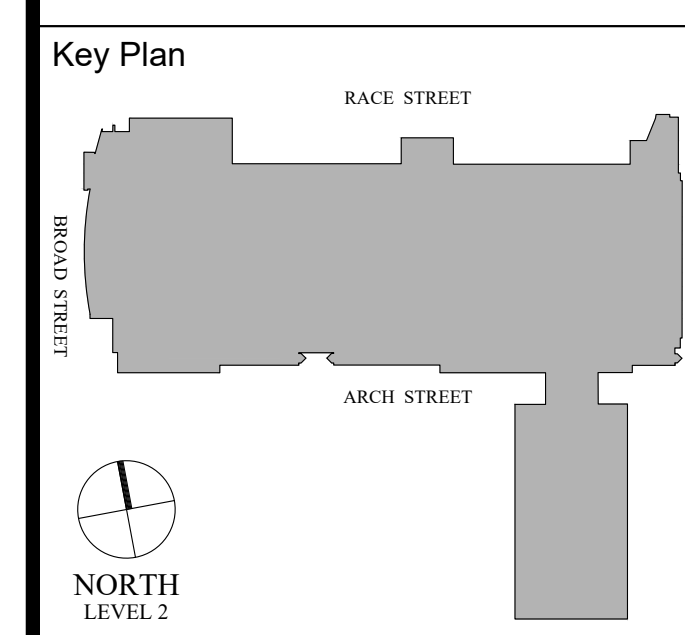
SS3.107B
 Scale AS NOTED

1 LEVEL 1 - NEW HEAT MAP PLAN ADMIN OFFICES
 SS3.107B Scale: 1/16" = 1'-0"



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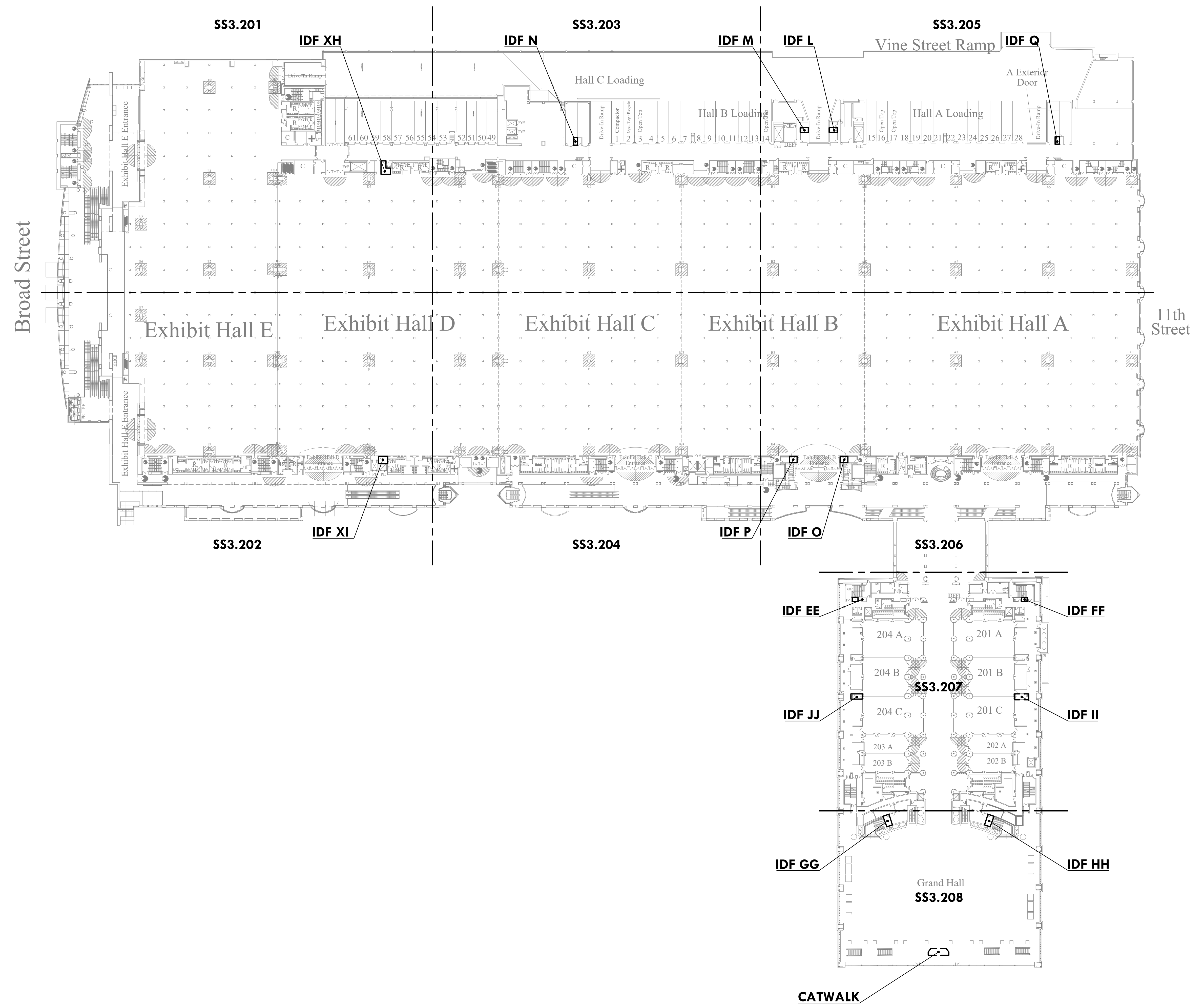
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LEVEL 2 OVERALL KEY PLAN

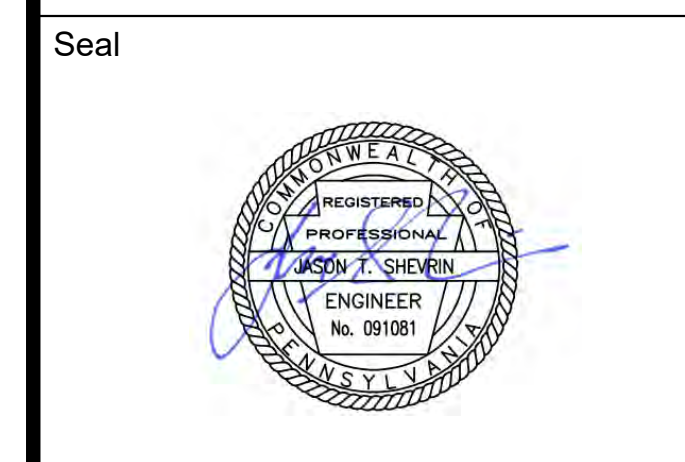
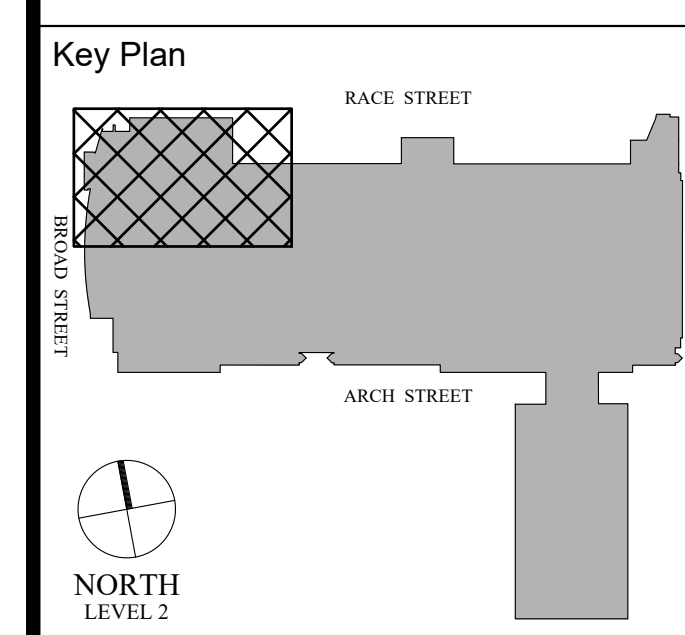
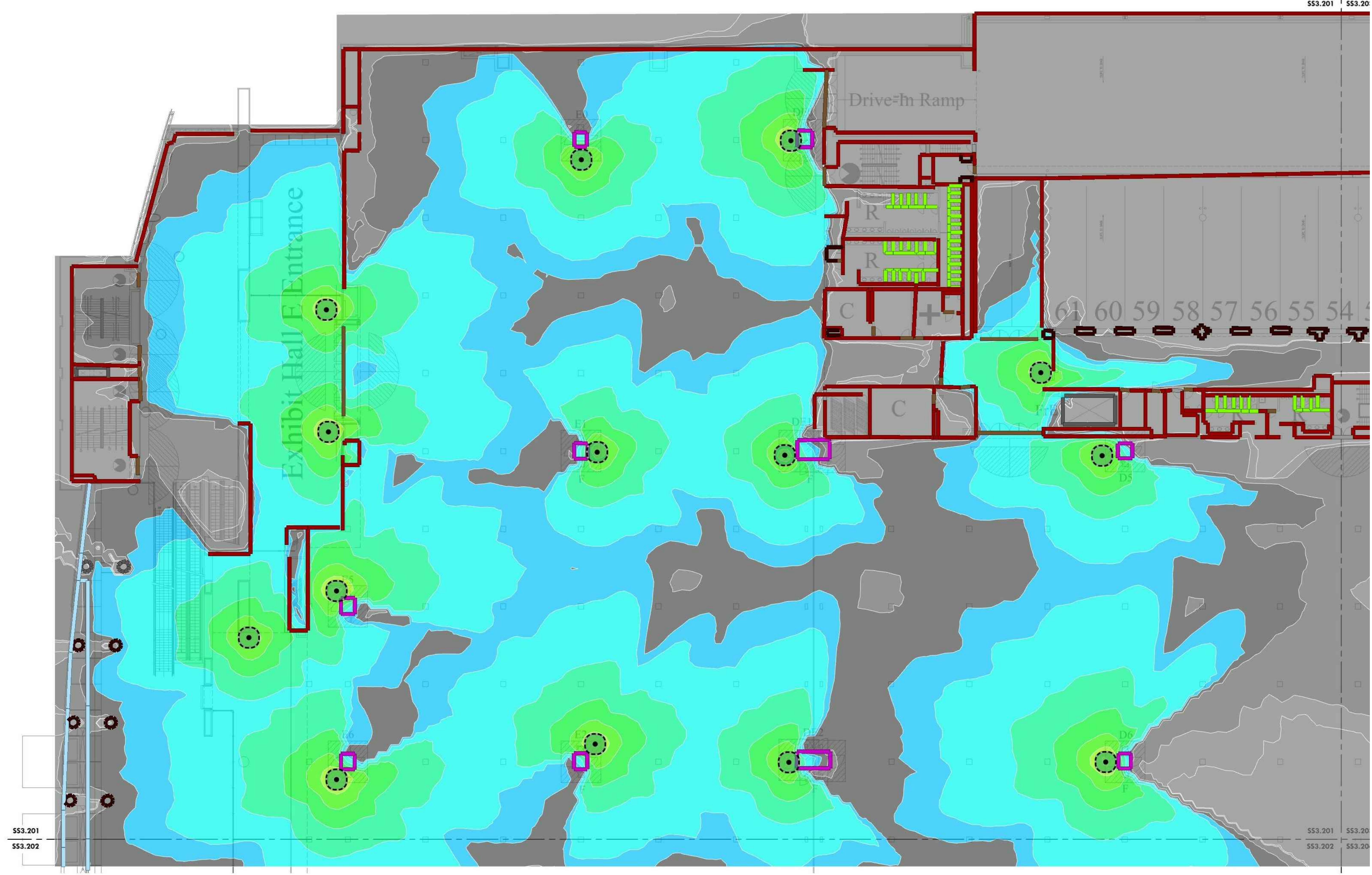
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| Project Number | 128620.001 |
| Date | 2022-08-29 |
| Drawn By | TB |
| Checked By | EH |

SS3.200
 Scale AS NOTED



1 LEVEL 2 OVERALL KEY PLAN
 SS3.200 Scale: 1/64" = 1'-0"

Arch Street



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LEVEL 2 - EXISTING HEAT MAP PLAN NW

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| Project Number | 128620.001 |
| Date | 2022-08-29 |
| Drawn By | TB |
| Checked By | EH |

SS3.201A

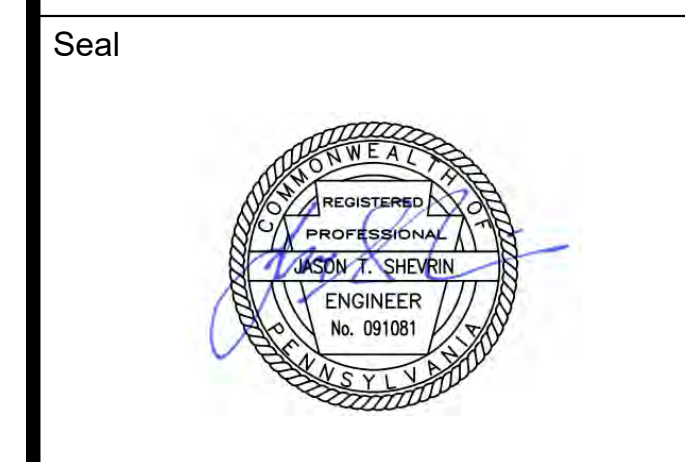
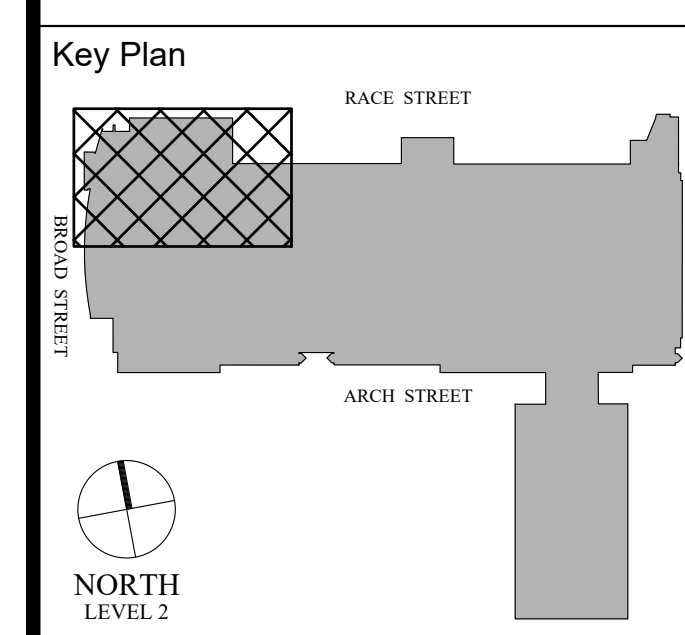
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1 LEVEL 2 - EXISTING HEAT MAP PLAN NW
 Scale: 1/16" = 1'-0"



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PCCA WiFi UPGRADES
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 CONVENTION CENTER
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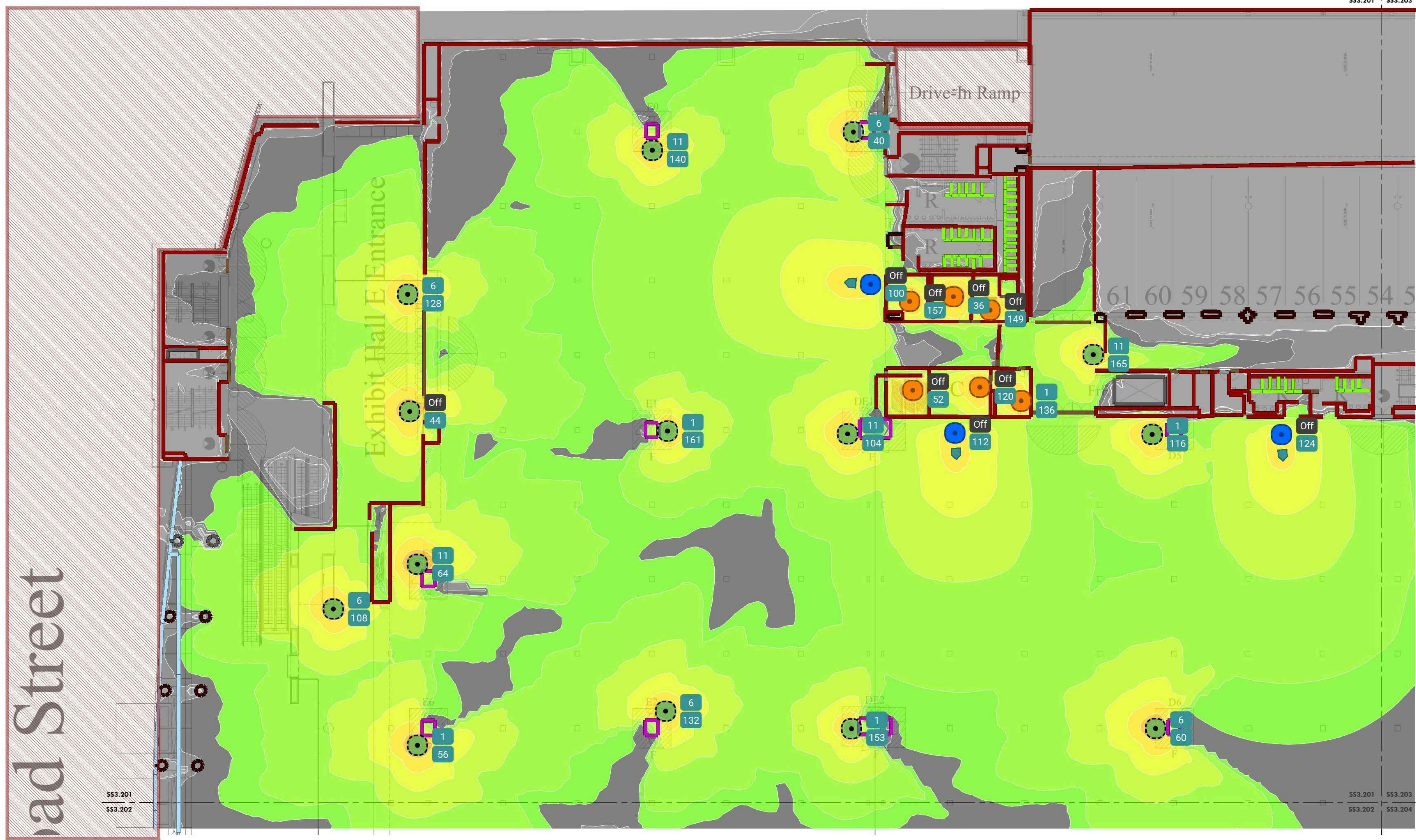
LEVEL 2 - NEW HEAT MAP PLAN NW

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| Project Number | 128620.001 |
| Date | 2022-08-29 |
| Drawn By | TB |
| Checked By | EH |

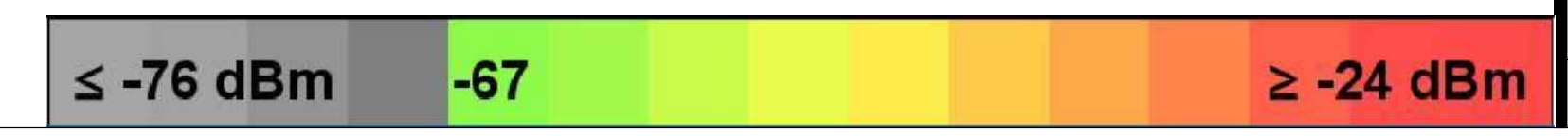
SS3.201B

Scale AS NOTED

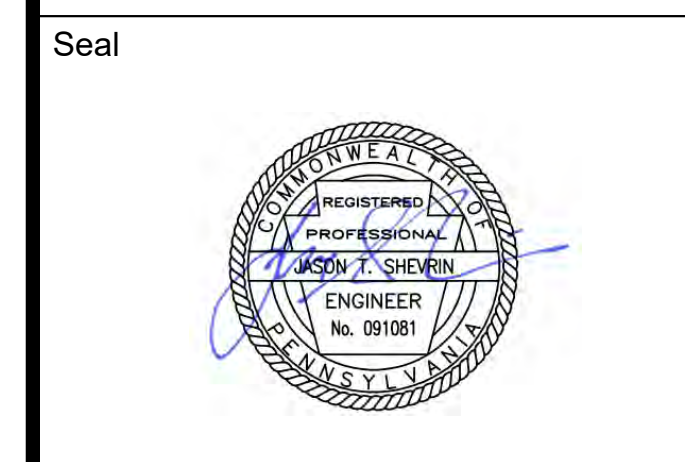
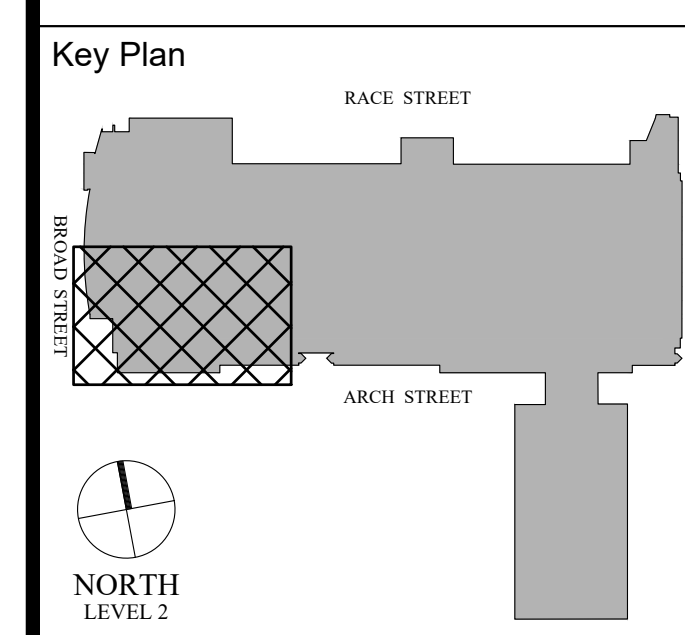
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1 LEVEL 2 - NEW HEAT MAP PLAN NW
 Scale: 1/16" = 1'-0"



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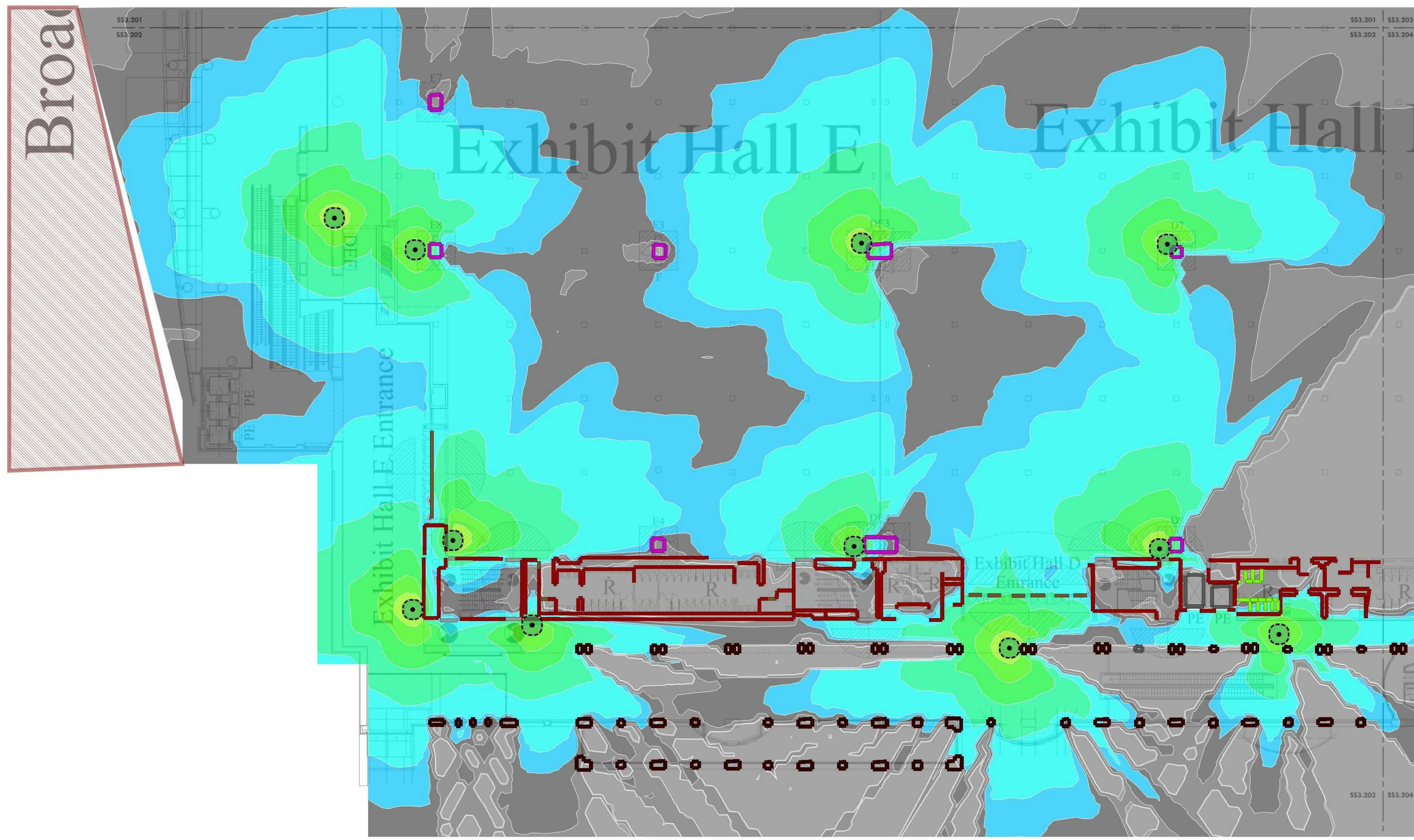
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PCCA WiFi UPGRADES
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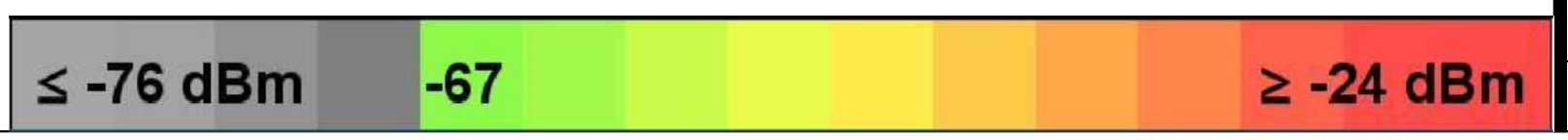
LEVEL 2 - EXISTING HEAT MAP PLAN SW

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| Project Number | 128620.001 |
| Date | 2022-08-29 |
| Drawn By | TB |
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SS3.202A
 Scale AS NOTED



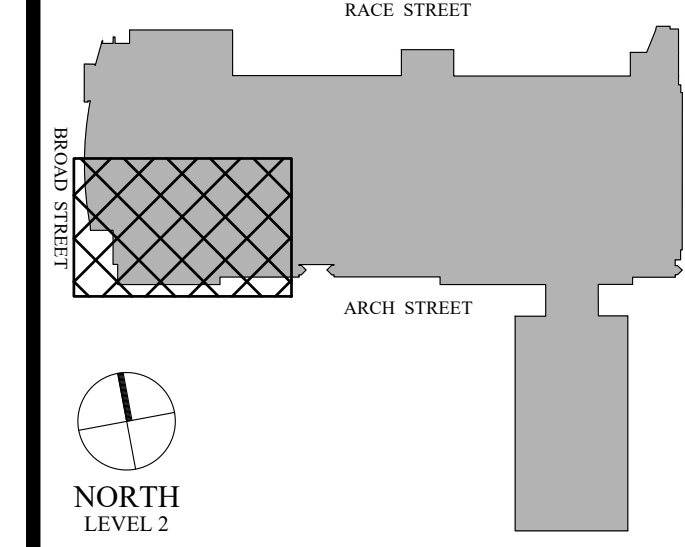
1 LEVEL 2 - EXISTING HEAT MAP PLAN SW
 Scale: 1/16" = 1'-0"



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Key Plan



NORTH
LEVEL 2



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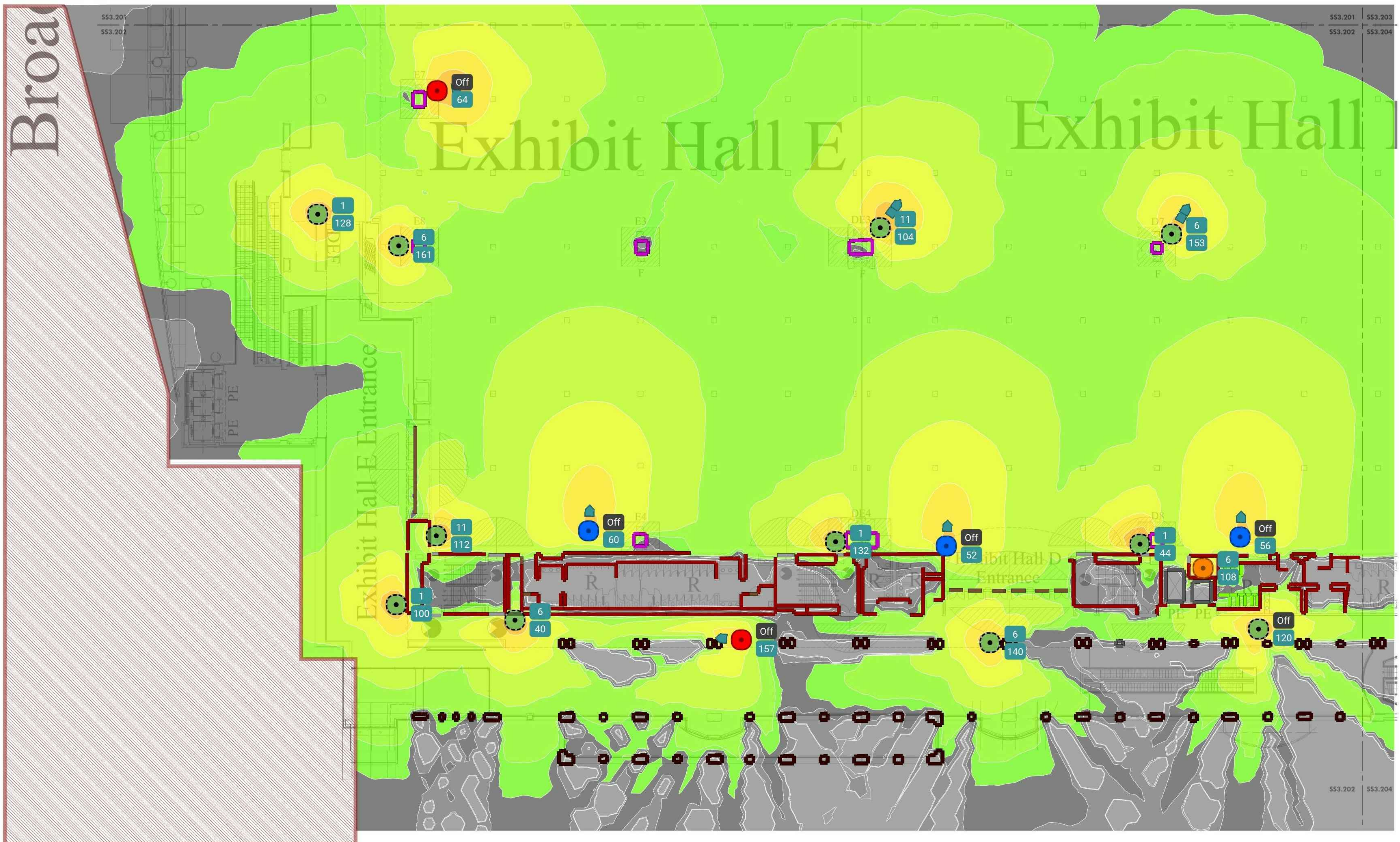
**LEVEL 2 - NEW HEAT MAP
 PLAN SW**

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| Project Number | 128620.001 |
| Date | 2022-08-29 |
| Drawn By | TB |
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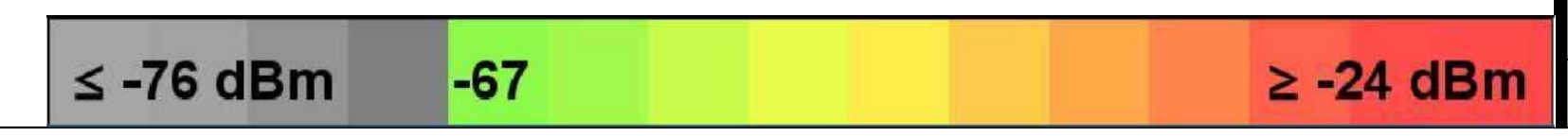
SS3.202B

Scale AS NOTED

100% SUBMISSION

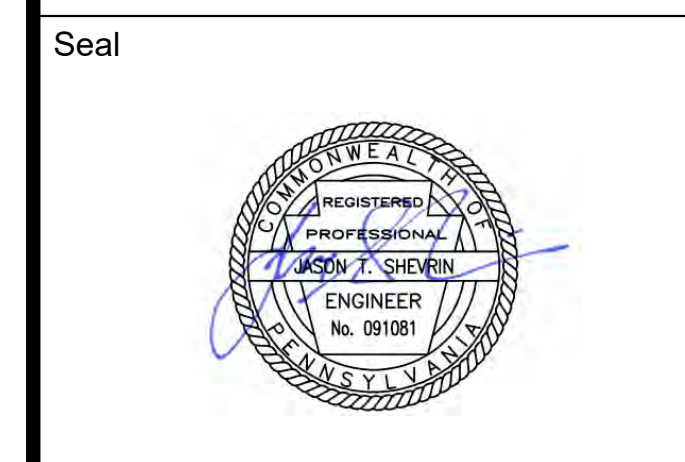
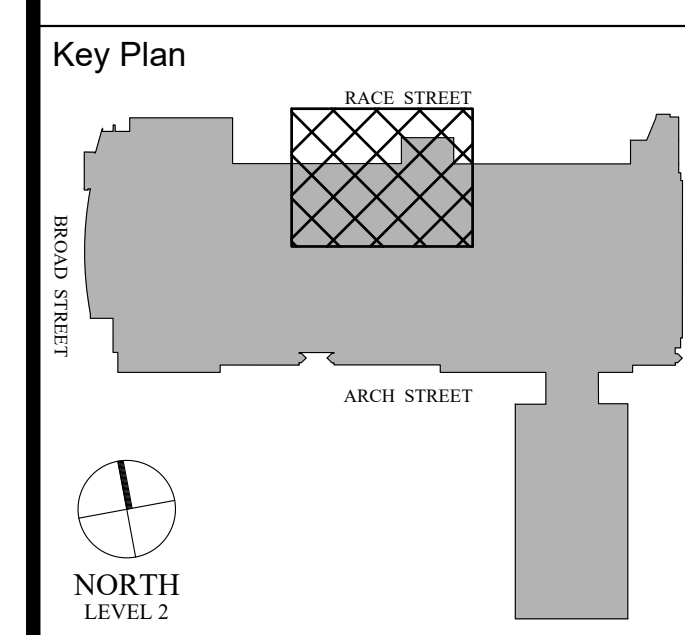


1 LEVEL 2 - NEW HEAT MAP PLAN SW
 SS3.202B Scale: 1/16" = 1'-0"



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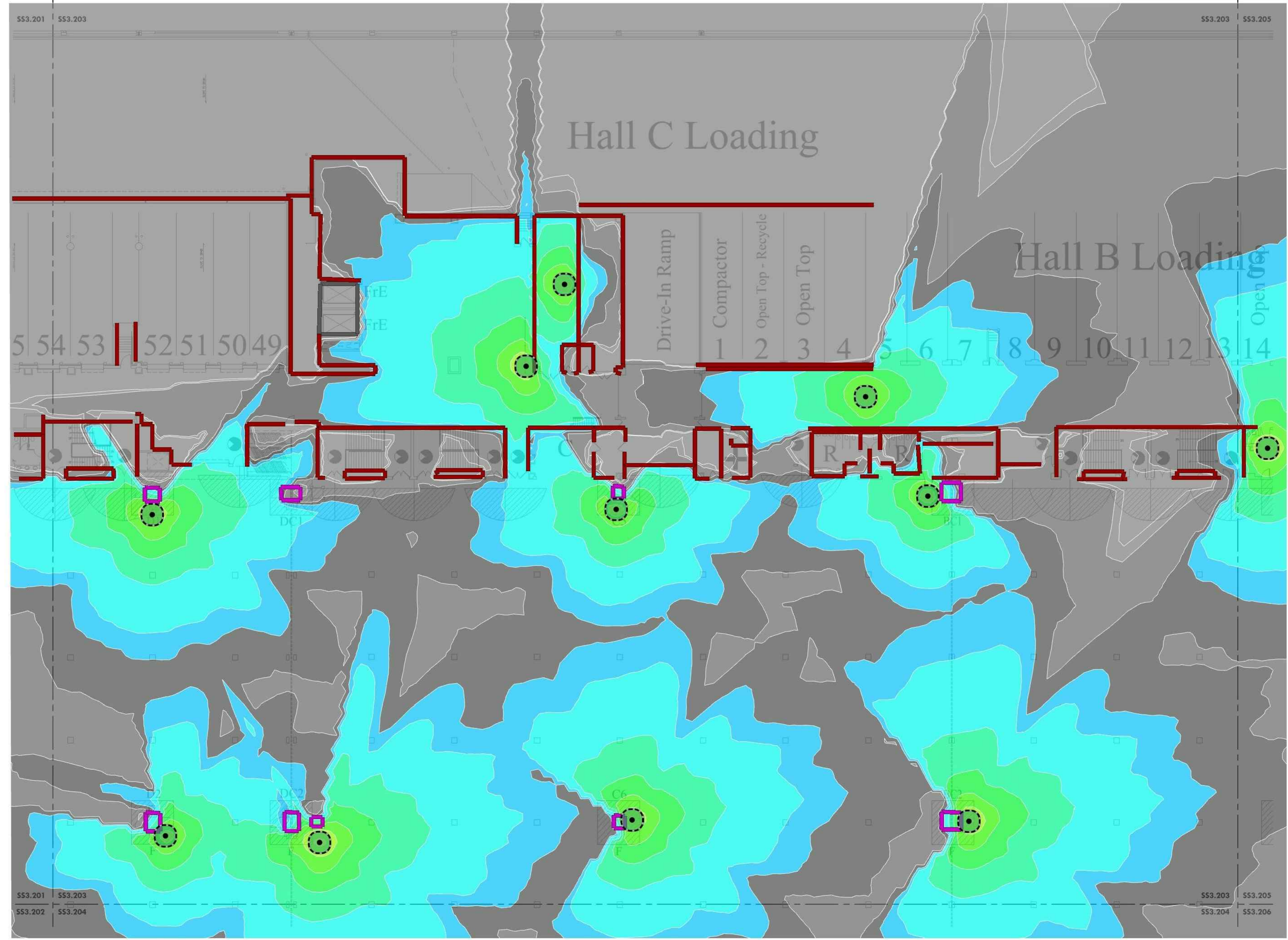
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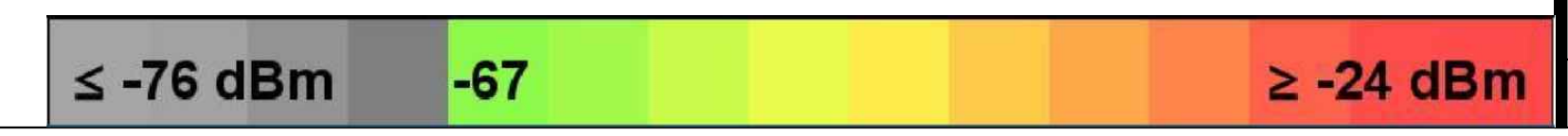
LEVEL 2 - EXISTING HEAT MAP PLAN NE

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| Checked By | EH |

SS3.203A
 Scale AS NOTED



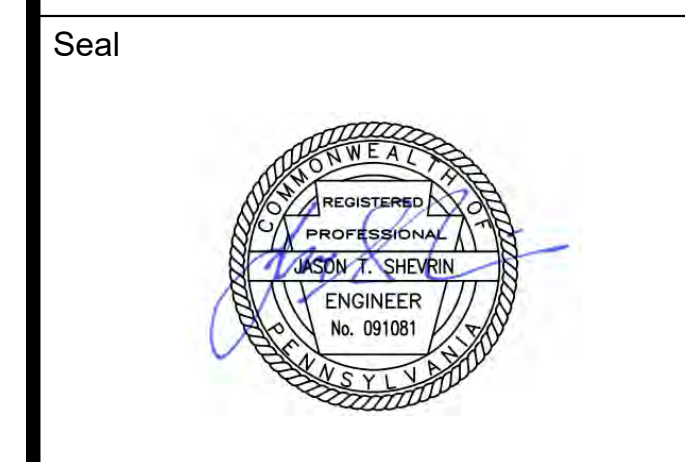
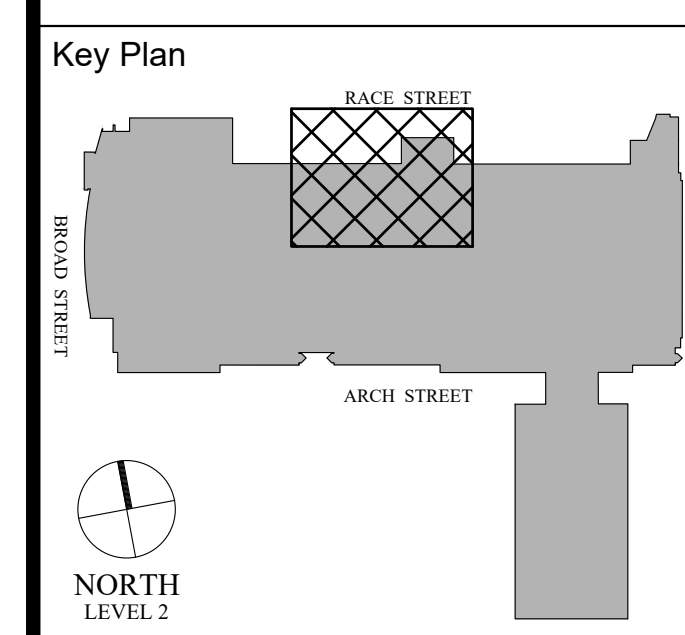
1 LEVEL 2 - EXISTING HEAT MAP PLAN NE
 Scale: 1/16" = 1'-0"



Architect

Civil Engineer

Structural Engineer



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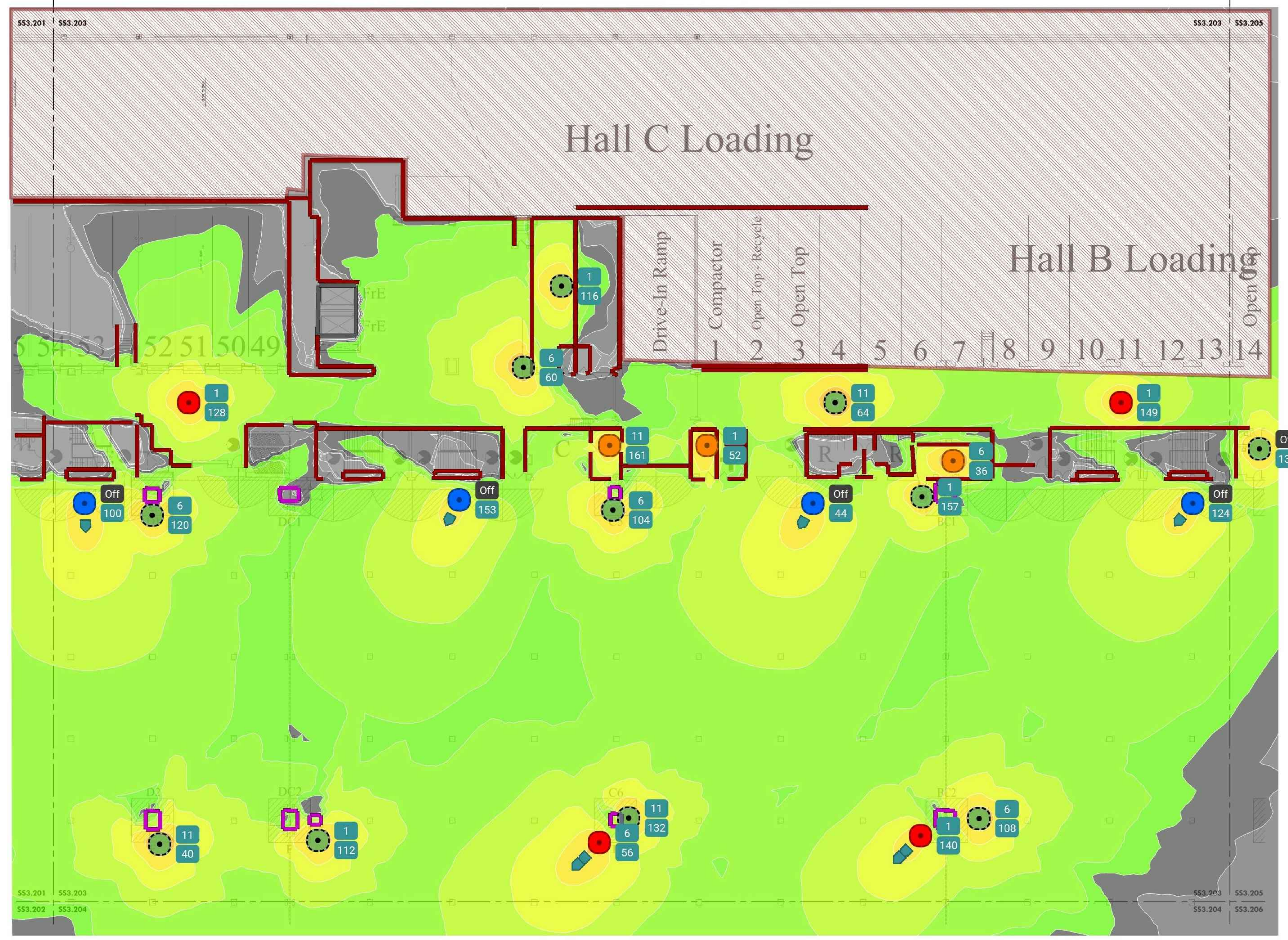
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**LEVEL 2 - NEW HEAT MAP
 PLAN NE**

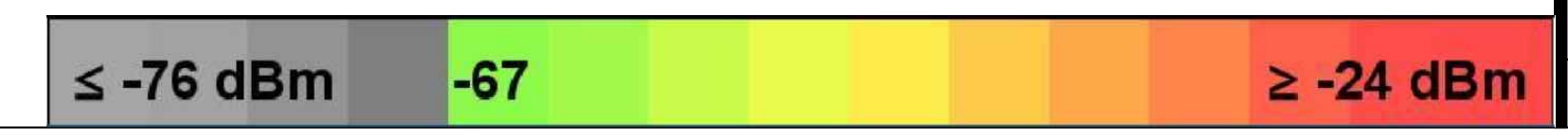
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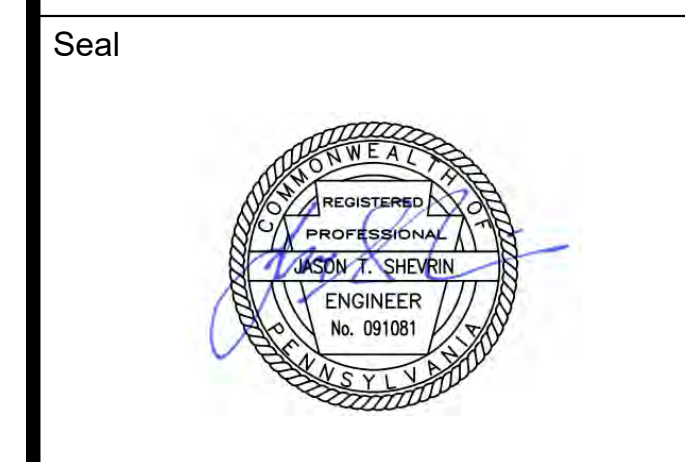
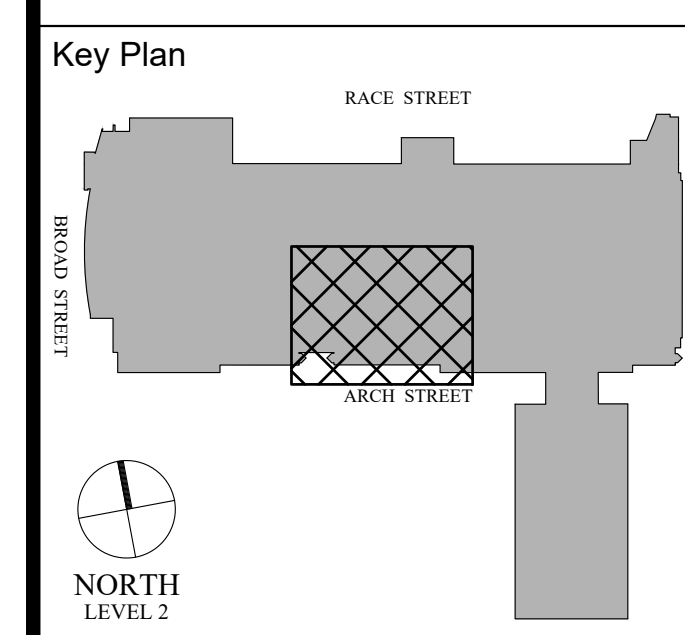


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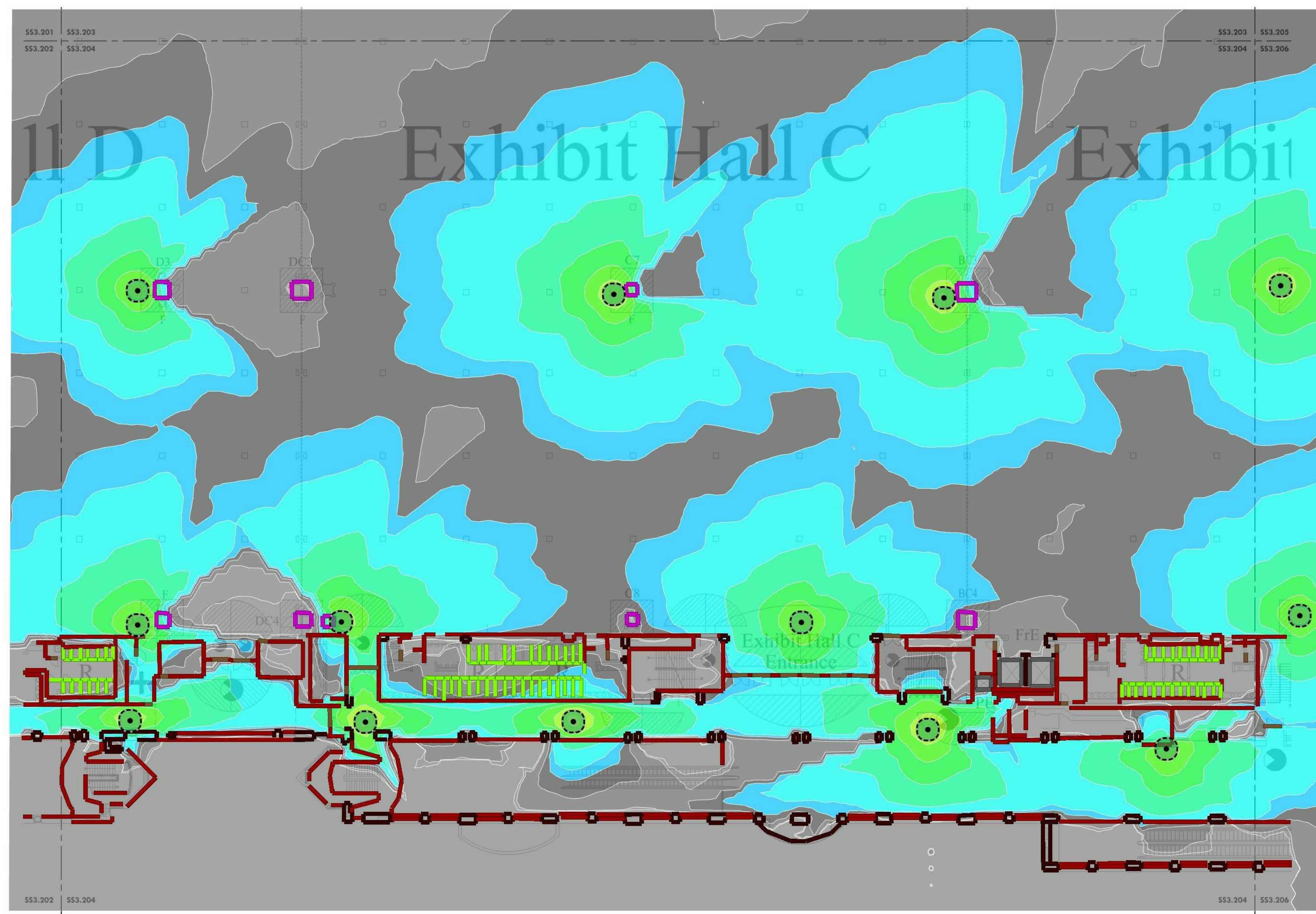
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PCCA WiFi UPGRADES
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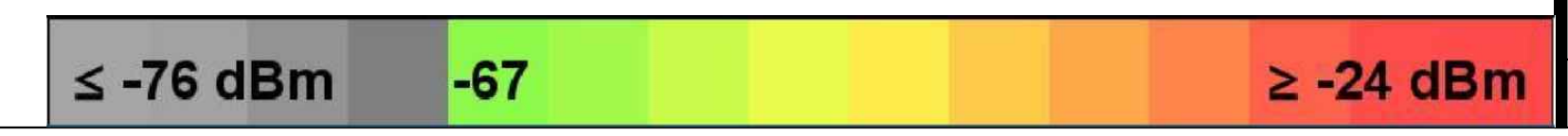
LEVEL 2 - EXISTING HEAT MAP PLAN SE

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SS3.204A
 Scale AS NOTED



1 LEVEL 2 - EXISTING HEAT MAP PLAN SE
 SS3.204A Scale: 1/8" = 1'-0"



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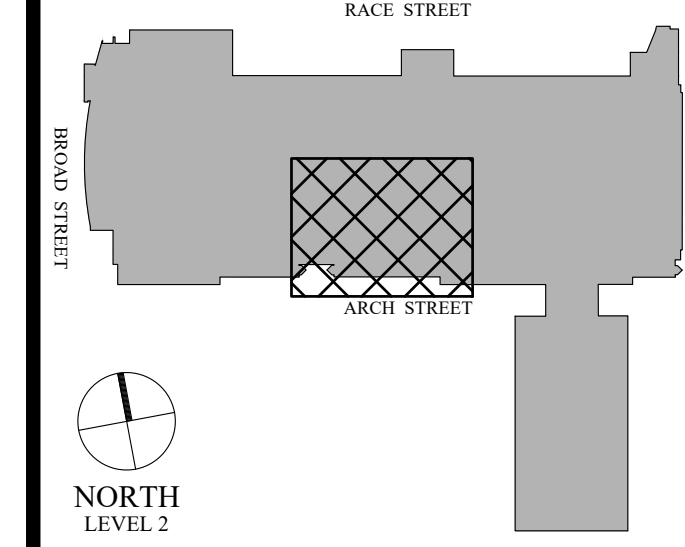
Architect

Civil Engineer

Structural Engineer



Key Plan



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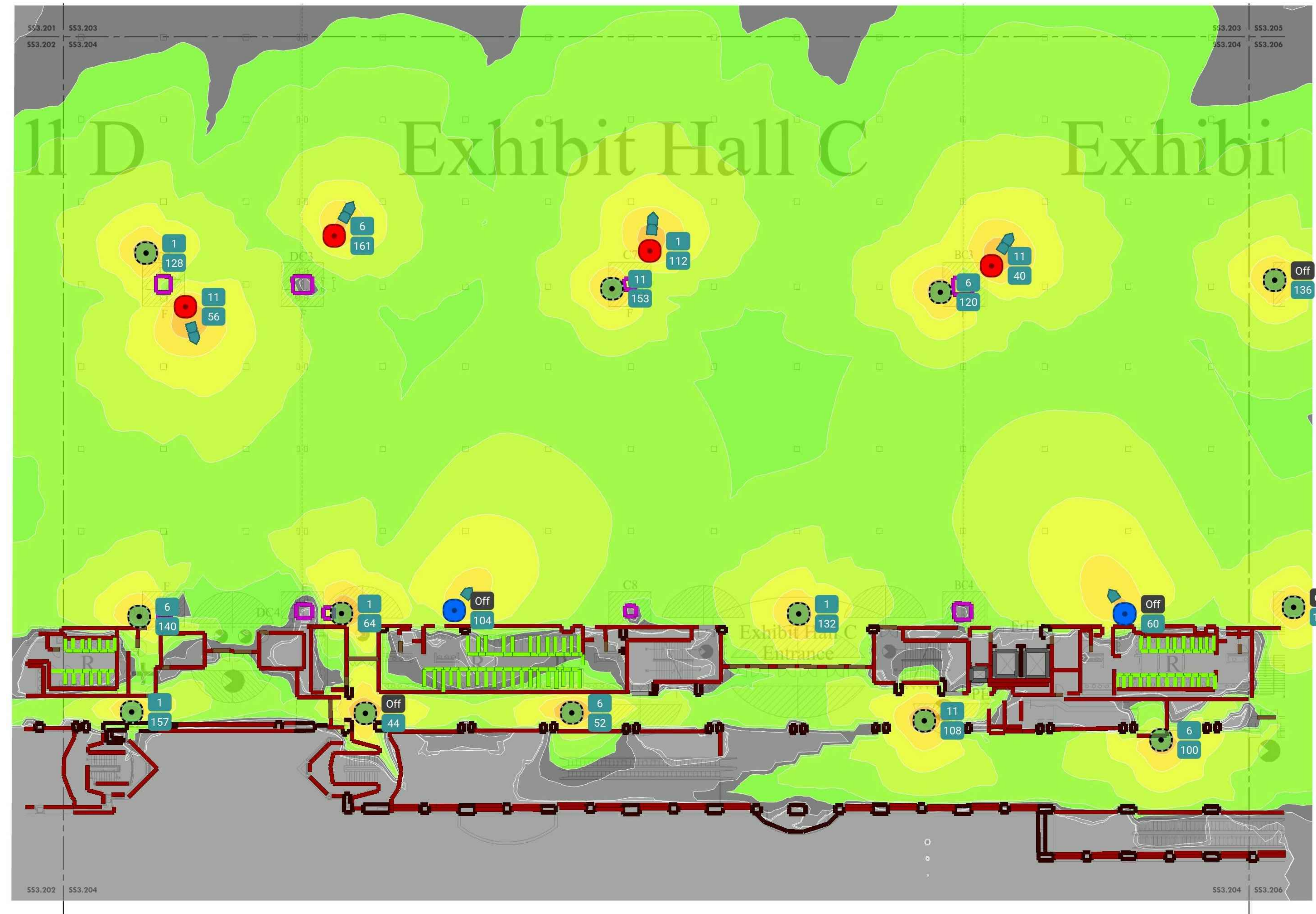
PCCA WiFi UPGRADES
 1101 ARCH STREET
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 PENNSYLVANIA
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**LEVEL 2 - NEW HEAT MAP
 PLAN SE**

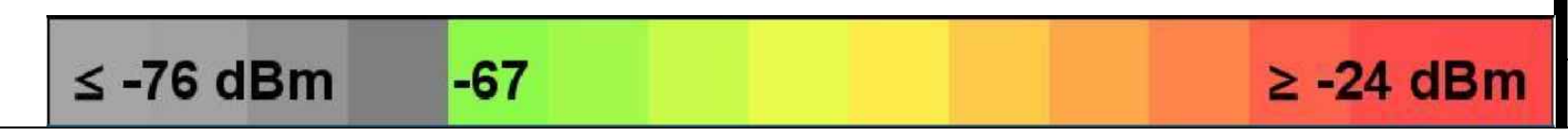
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| Date | 2022-08-29 |
| Drawn By | TB |
| Checked By | EH |

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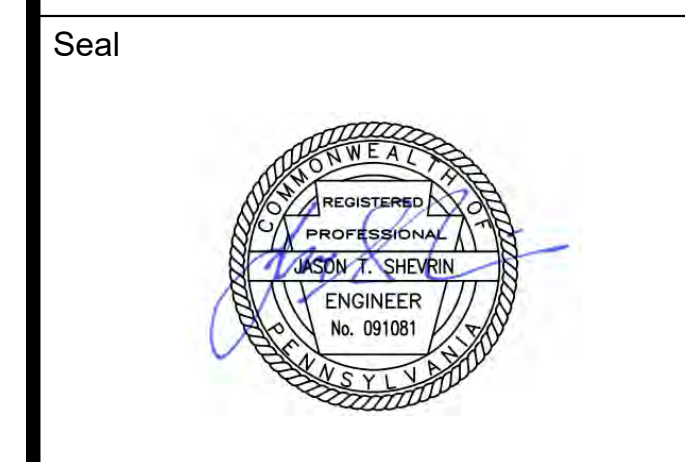
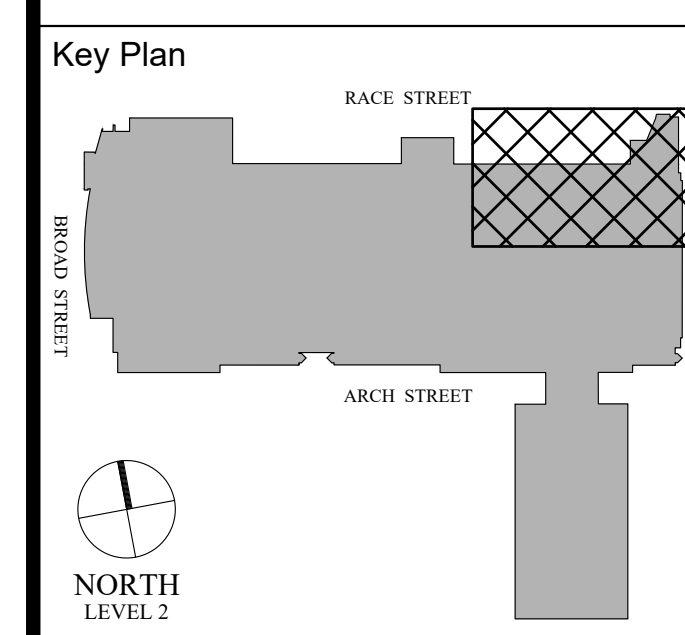
Scale AS NOTED



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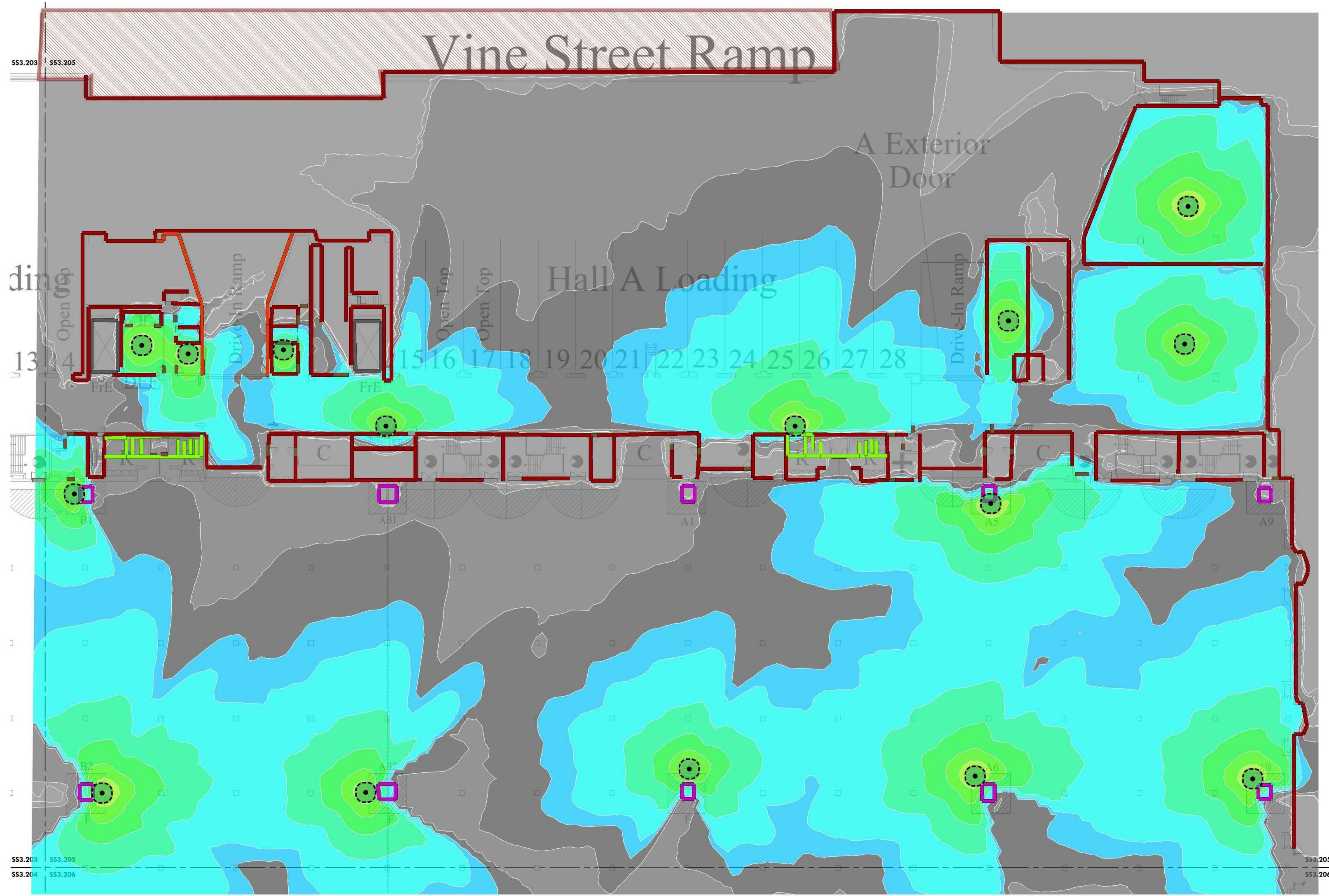
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PCCA WiFi UPGRADES
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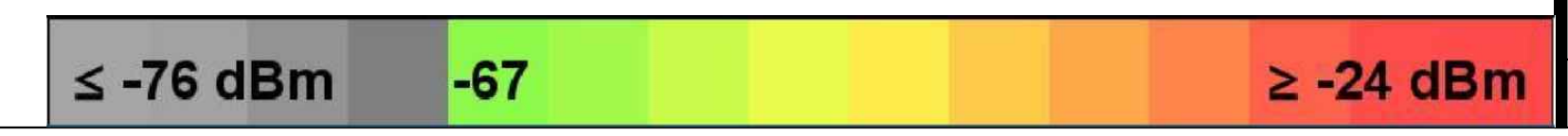
LEVEL 2 - EXISTING HEAT MAP NE EXISTING EXHIBIT HALL

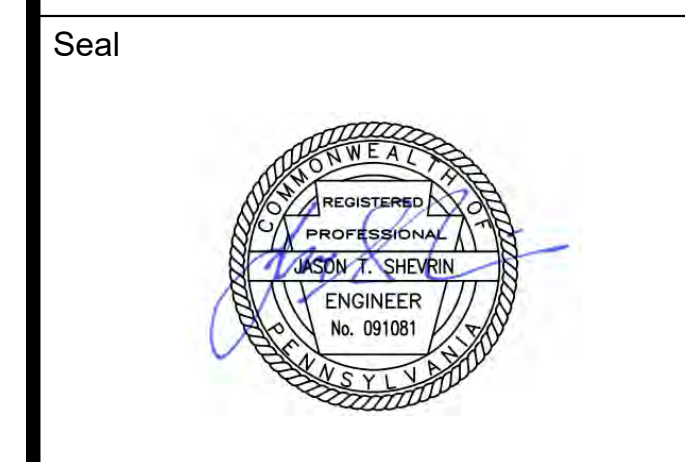
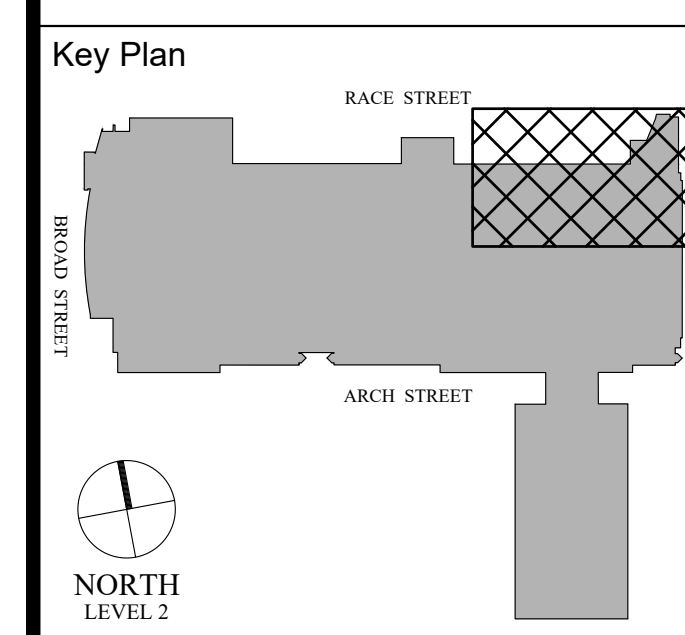
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| Checked By | EH |

SS3.205A
 Scale AS NOTED



1 LEVEL 2 - EXISTING HEAT MAP NE EXISTING EXHIBIT HALL
 Scale: 1/16" = 1'-0"





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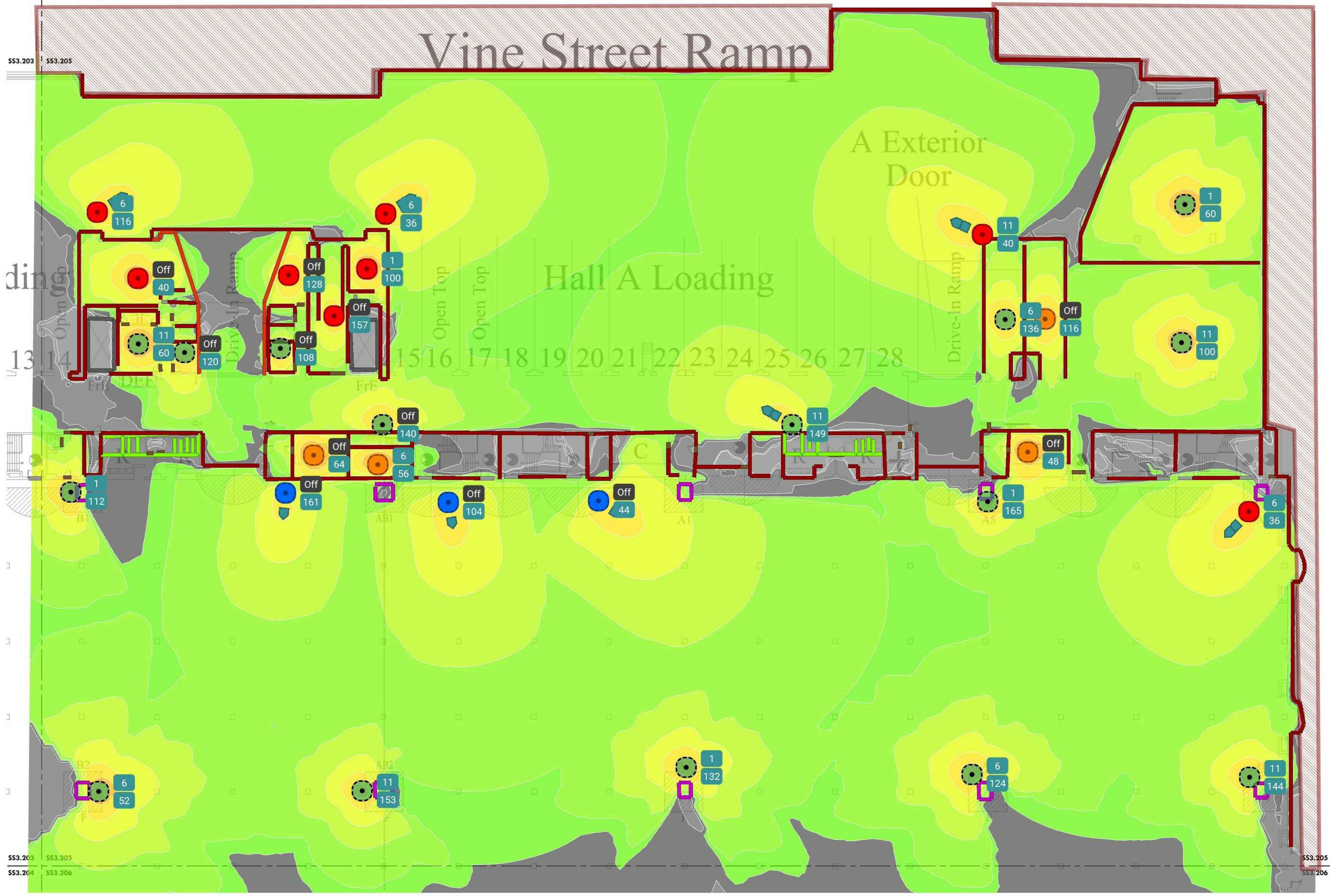
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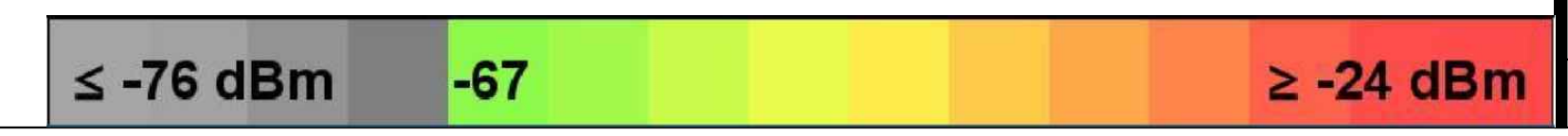
LEVEL 2 - NEW HEAT MAP NE EXISTING EXHIBIT HALL

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| Checked By | EH |

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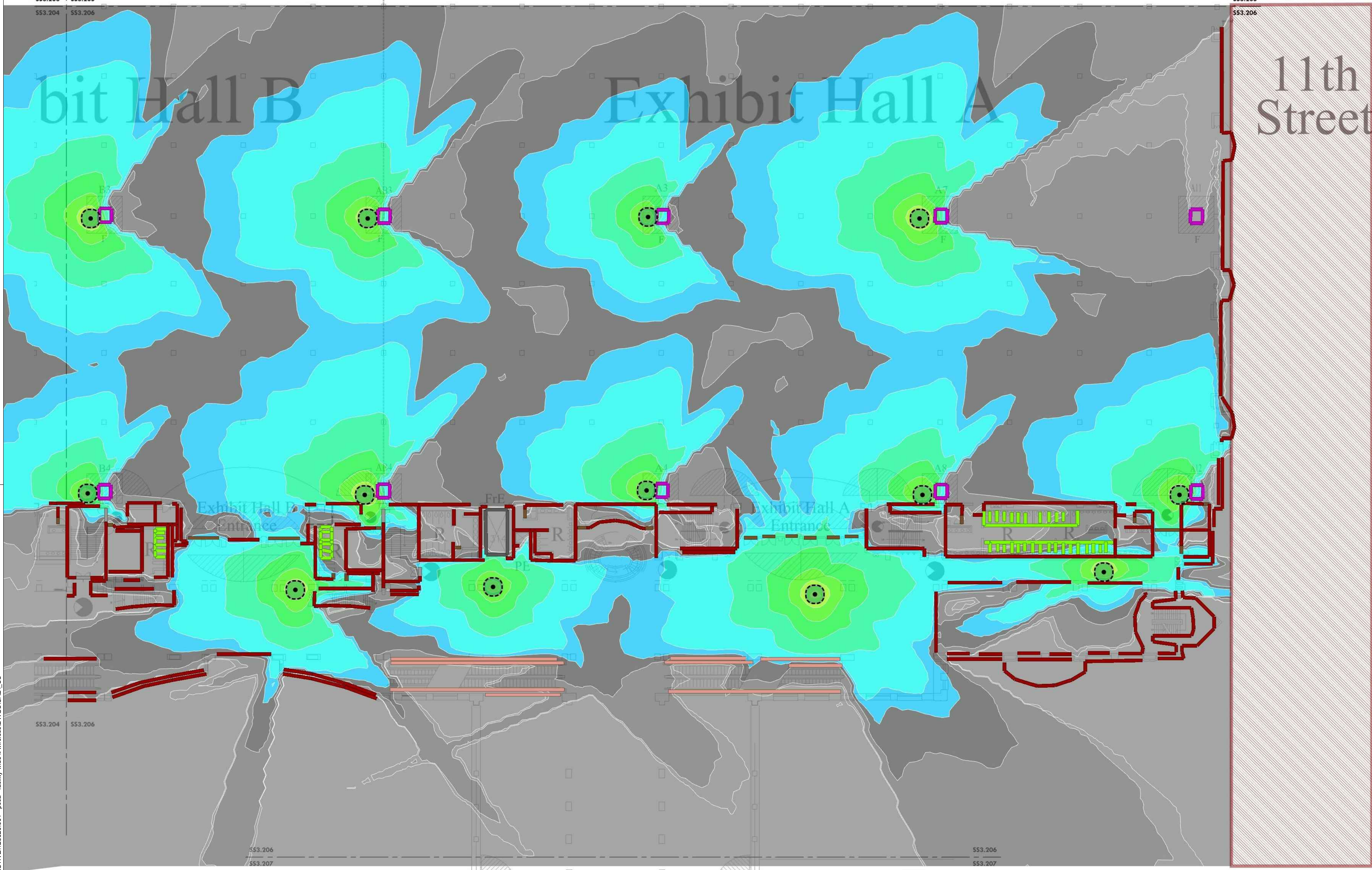
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SS3.203 SS3.205
SS3.204 SS3.206

SS3.205
SS3.206



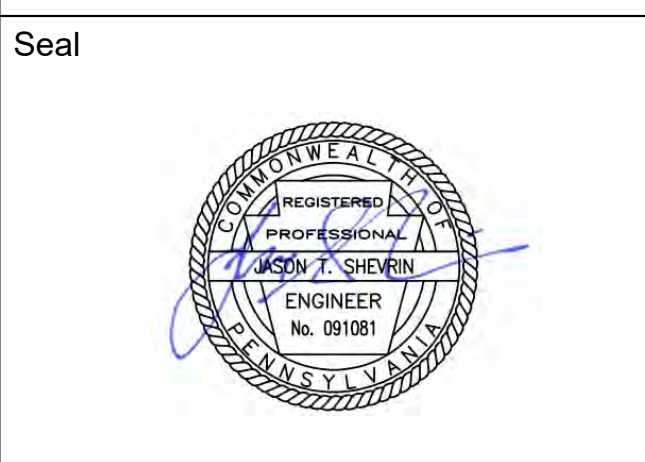
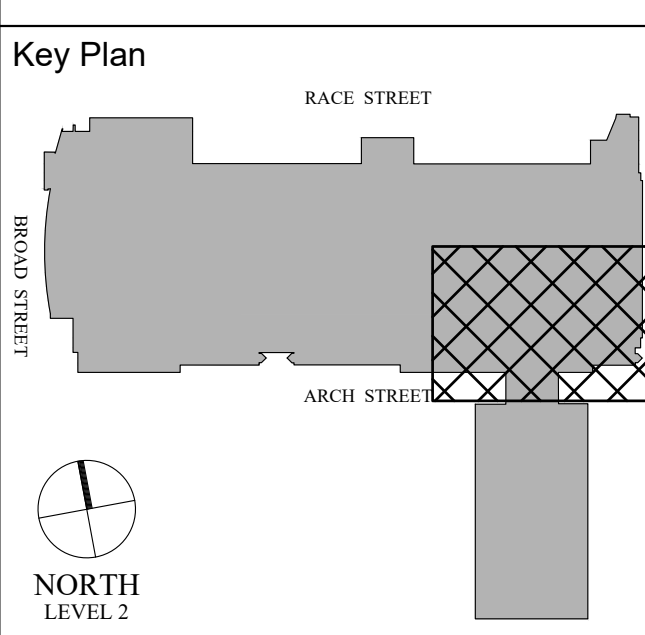
MEP / FP Engineer
ARORA
 ARORA ENGINEERS, INC.
 1600 MARKET STREET, SUITE 1630
 PHILADELPHIA, PA. 19103
 215.372.1365

Architect

Civil Engineer

Structural Engineer

Pennsylvania Convention Center
 PHILADELPHIA



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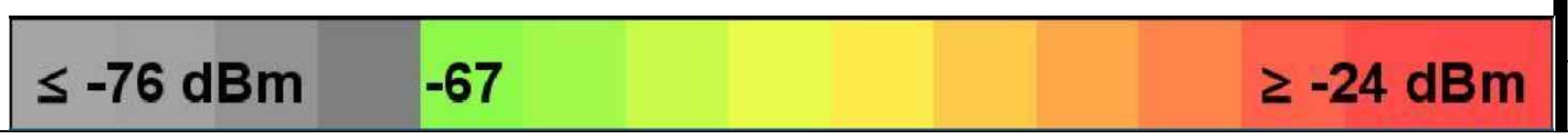
PCCA WiFi UPGRADES
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LEVEL 2 - EXISTING HEAT MAP SE EXISTING EXHIBIT HALL

Project Number 128620.001
 Date 2022-08-29
 Drawn By TB
 Checked By EH

SS3.206A
 Scale AS NOTED

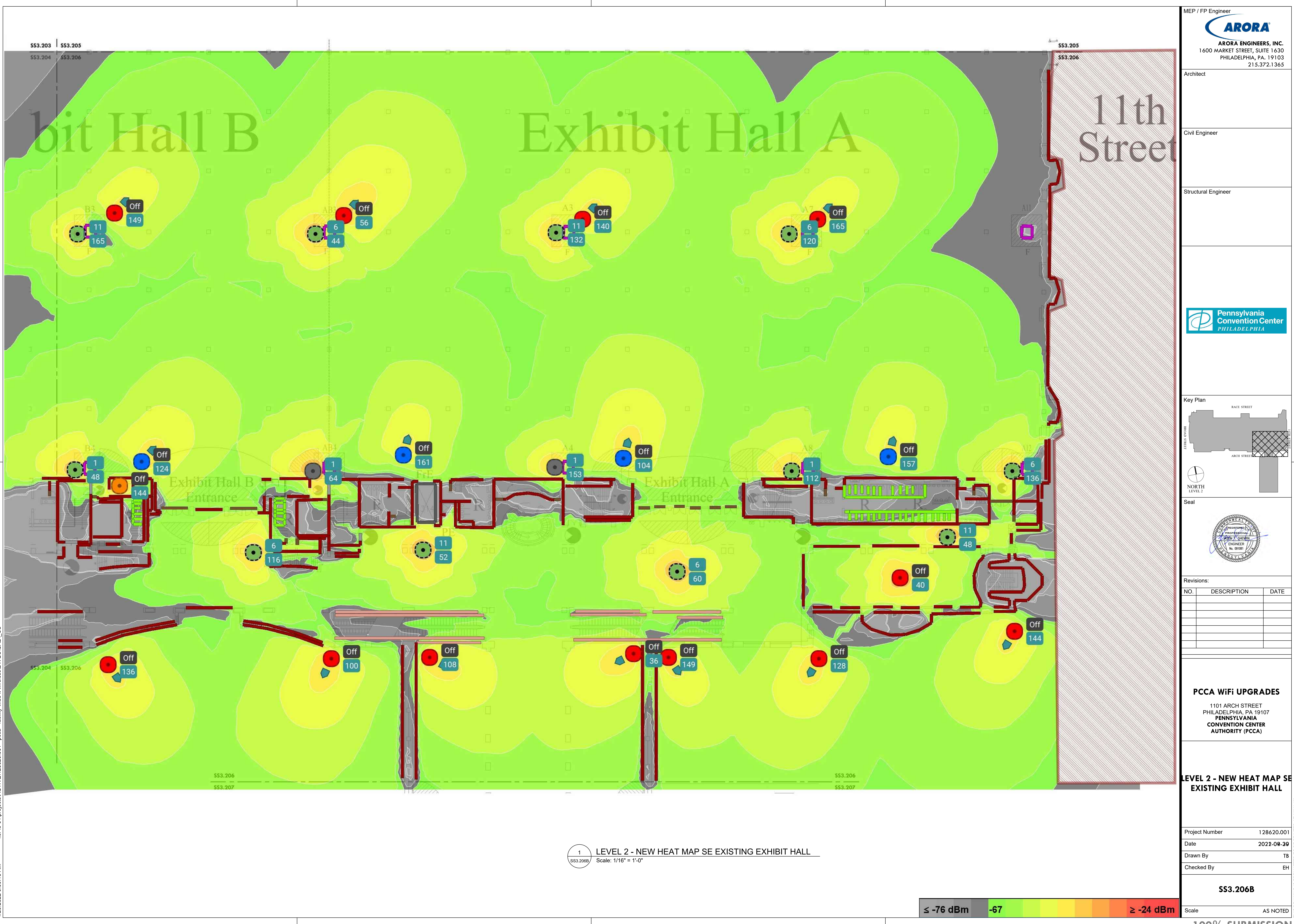
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SS3.203 SS3.205
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SS3.205
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MEP / FP Engineer
ARORA
 ARORA ENGINEERS, INC.
 1600 MARKET STREET, SUITE 1630
 PHILADELPHIA, PA. 19103
 215.372.1365

Architect
 Civil Engineer
 Structural Engineer

Pennsylvania Convention Center PHILADELPHIA

Key Plan
 RACE STREET
 ARCH STREET

NORTH
 LEVEL 2

Seal
 ENGINEER
 No. 051081

Revisions:

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PCCA WiFi UPGRADES
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LEVEL 2 - NEW HEAT MAP SE EXISTING EXHIBIT HALL

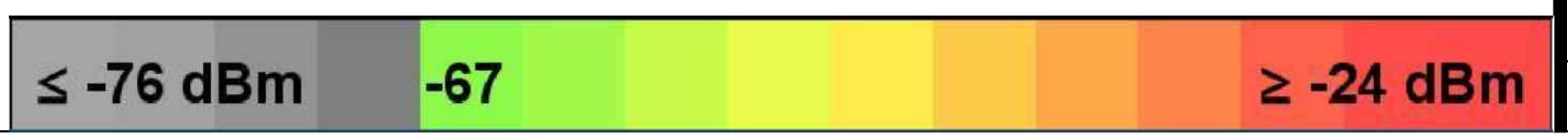
Project Number 128620.001
 Date 2022-08-29
 Drawn By TB
 Checked By EH

SS3.206B

Scale AS NOTED

100% SUBMISSION

1 LEVEL 2 - NEW HEAT MAP SE EXISTING EXHIBIT HALL
 Scale: 1/16" = 1'-0"



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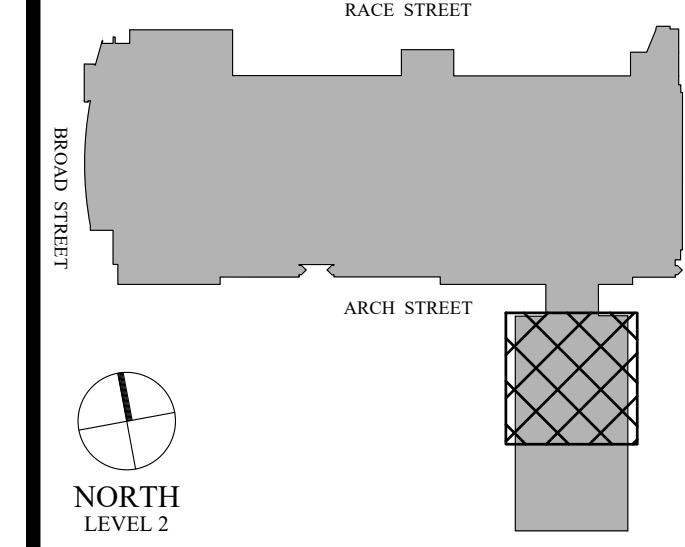
Architect

Civil Engineer

Structural Engineer



Key Plan



Seal



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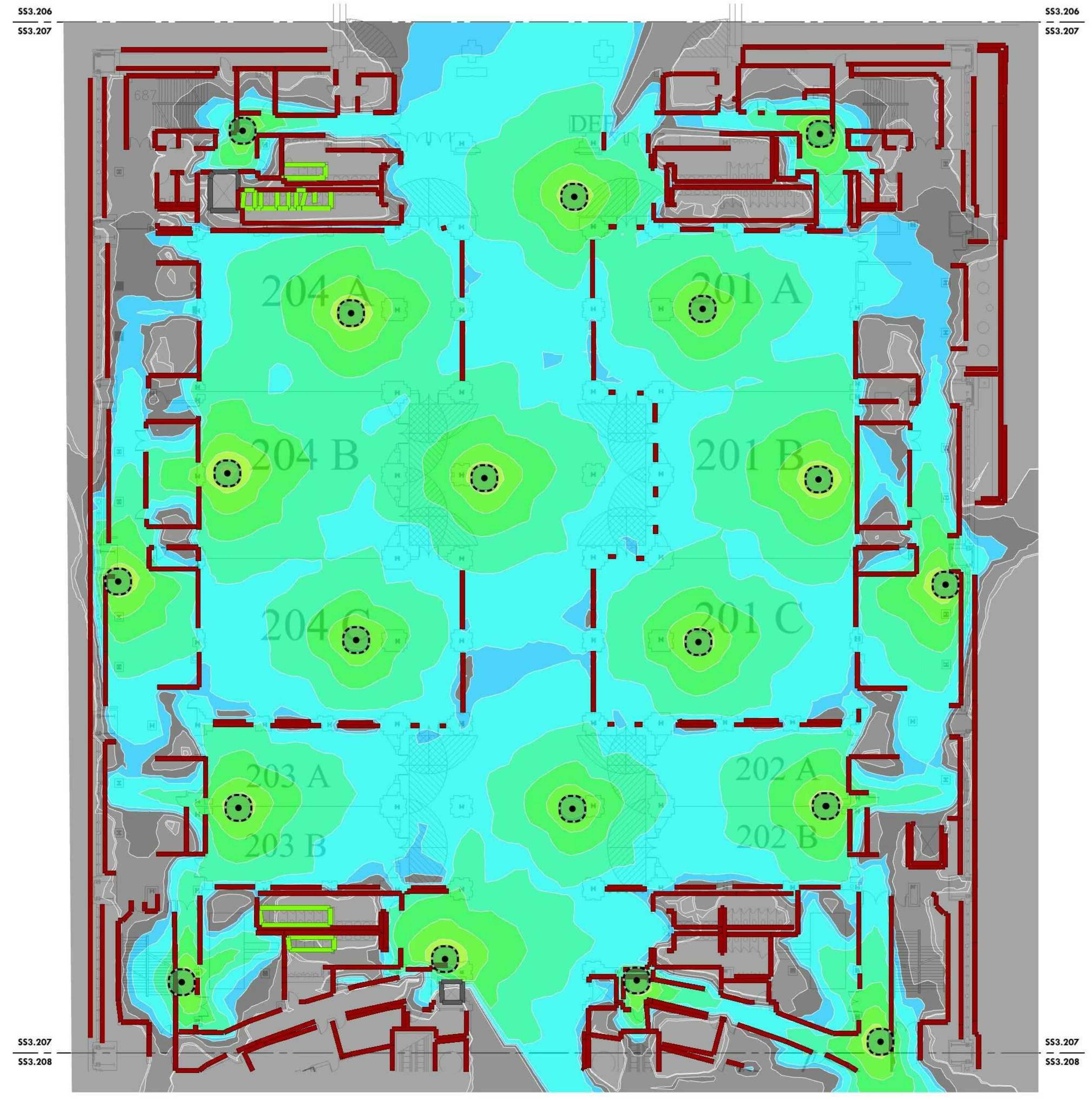
PCCA WiFi UPGRADES
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LEVEL 2 - EXISTING HEAT MAP CONFERENCE ROOMS

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| Project Number | 128620.001 |
| Date | 2022-08-29 |
| Drawn By | TB |
| Checked By | EH |

SS3.207A

Scale AS NOTED



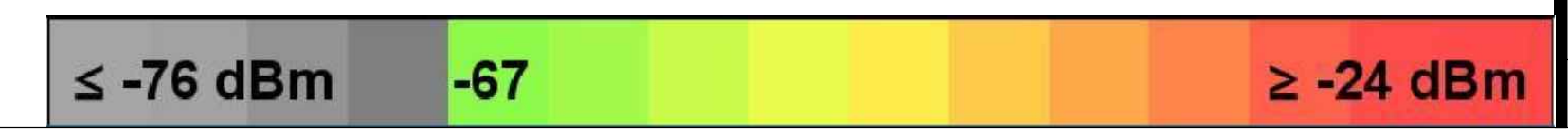
SS3.206
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SS3.208

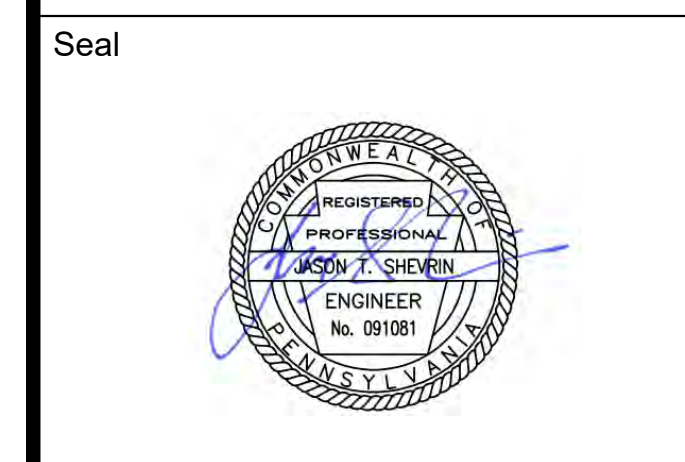
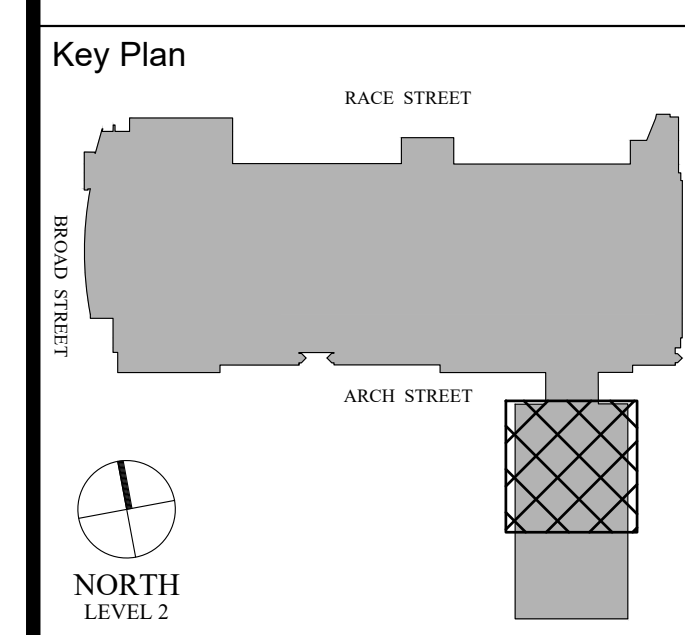
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1 LEVEL 2 - EXISTING HEAT MAP CONFERENCE ROOMS
 SS3.207A Scale: 1/16" = 1'-0"



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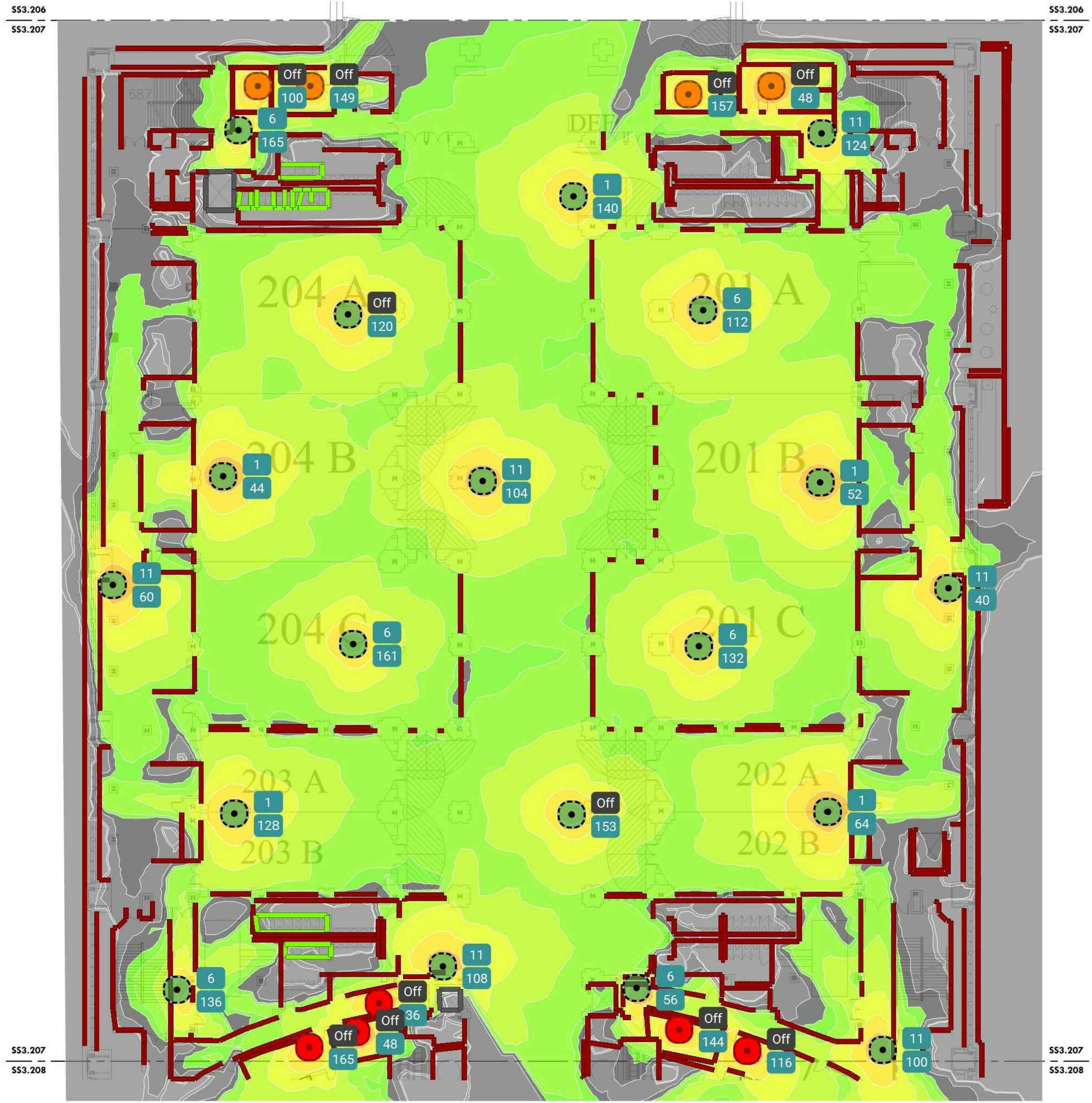
PCCA WiFi UPGRADES
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**LEVEL 2 - NEW HEAT MAP
 CONFERENCE ROOMS**

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| Project Number | 128620.001 |
| Date | 2022-08-29 |
| Drawn By | TB |
| Checked By | EH |

SS3.207B

Scale AS NOTED



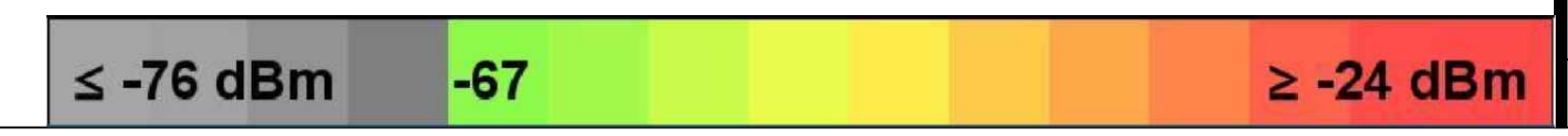
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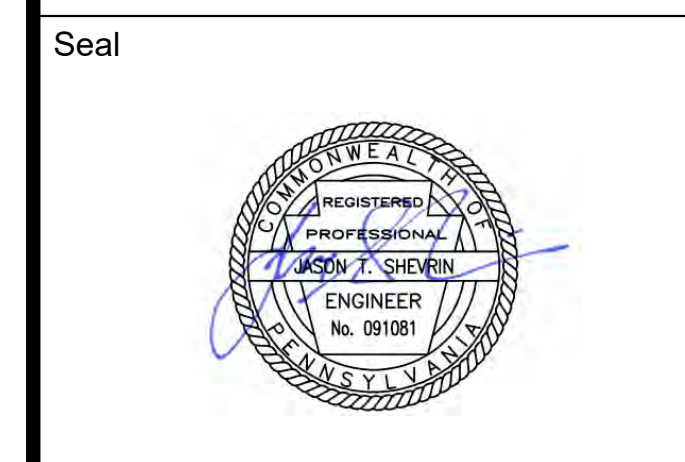
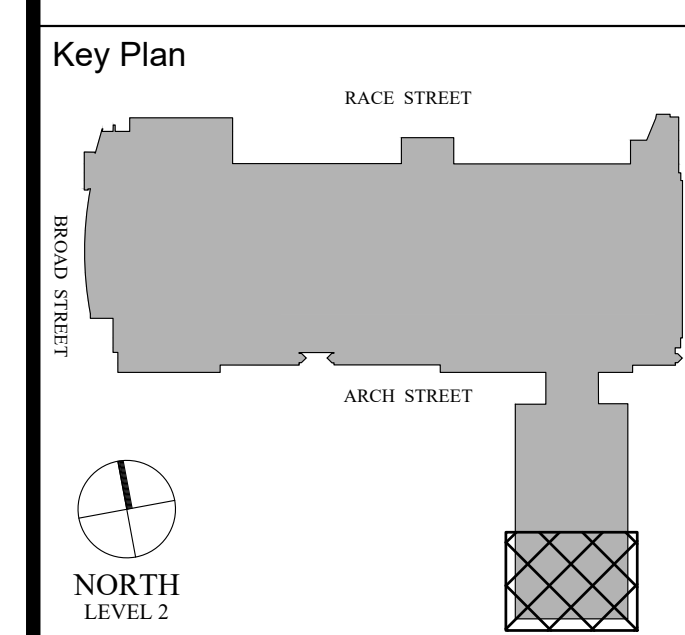
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1 LEVEL 2 - NEW HEAT MAP CONFERENCE ROOMS
 Scale: 1/16" = 1'-0"





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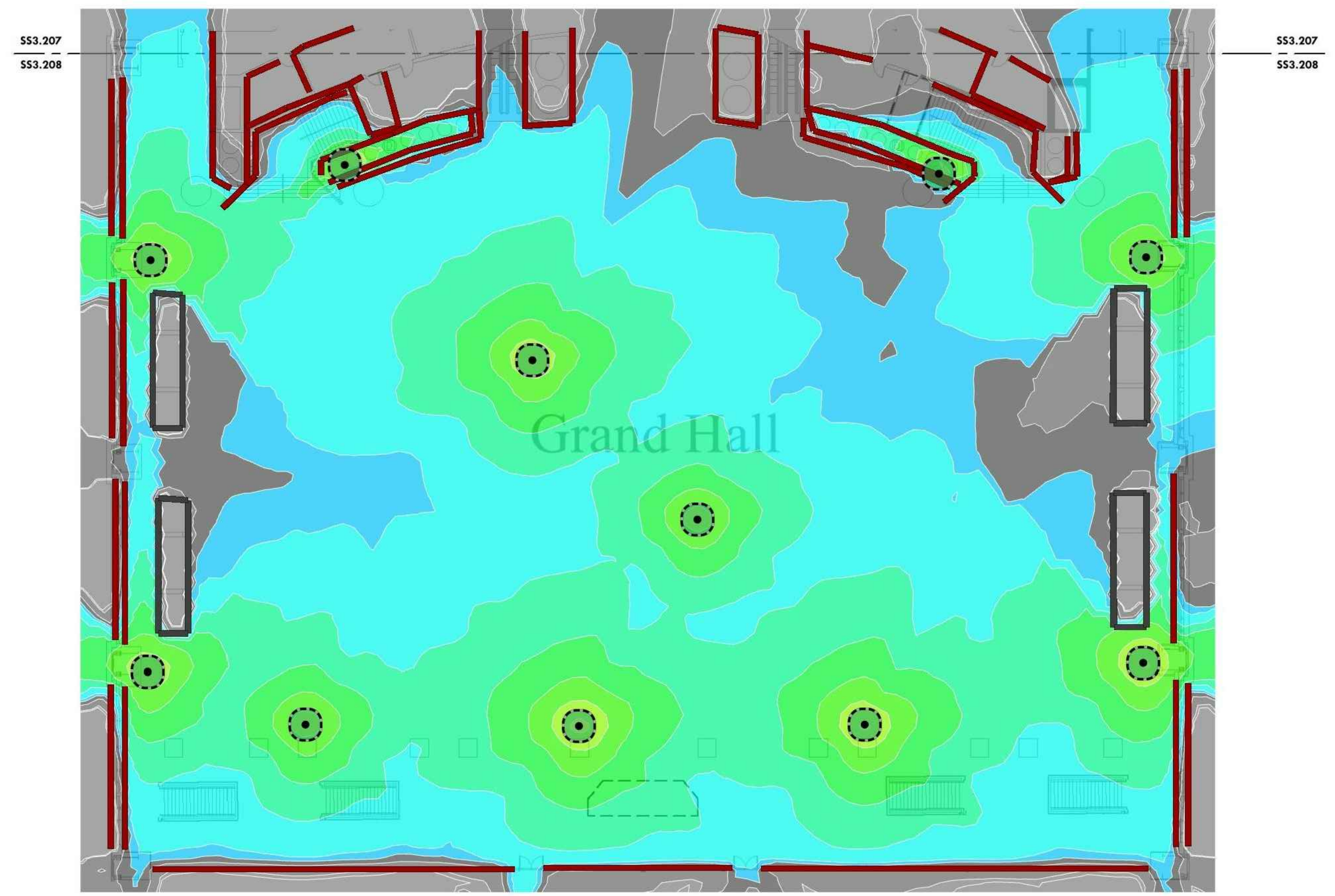
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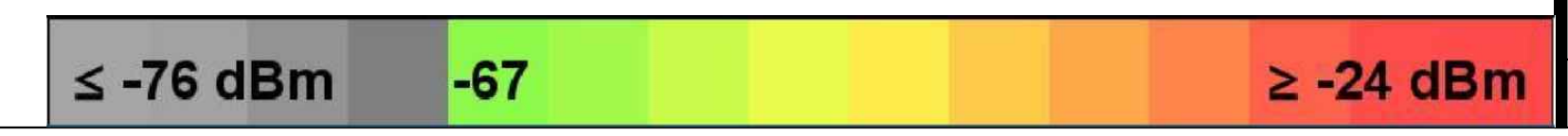
LEVEL 2 - EXISTING HEAT MAP GRAND HALL

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| Project Number | 128620.001 |
| Date | 2022-08-29 |
| Drawn By | TB |
| Checked By | EH |

SS3.208A
 Scale AS NOTED



1 LEVEL 2 - EXISTING HEAT MAP GRAND HALL
 SS3.208A Scale: 1/16" = 1'-0"



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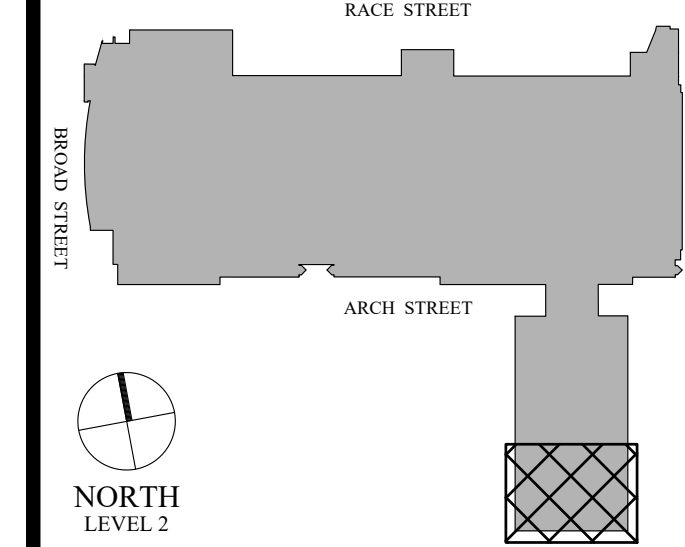
Architect

Civil Engineer

Structural Engineer



Key Plan



Seal



Revisions:

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**LEVEL 2 - NEW HEAT MAP
 GRAND HALL**

Project Number 128620.001

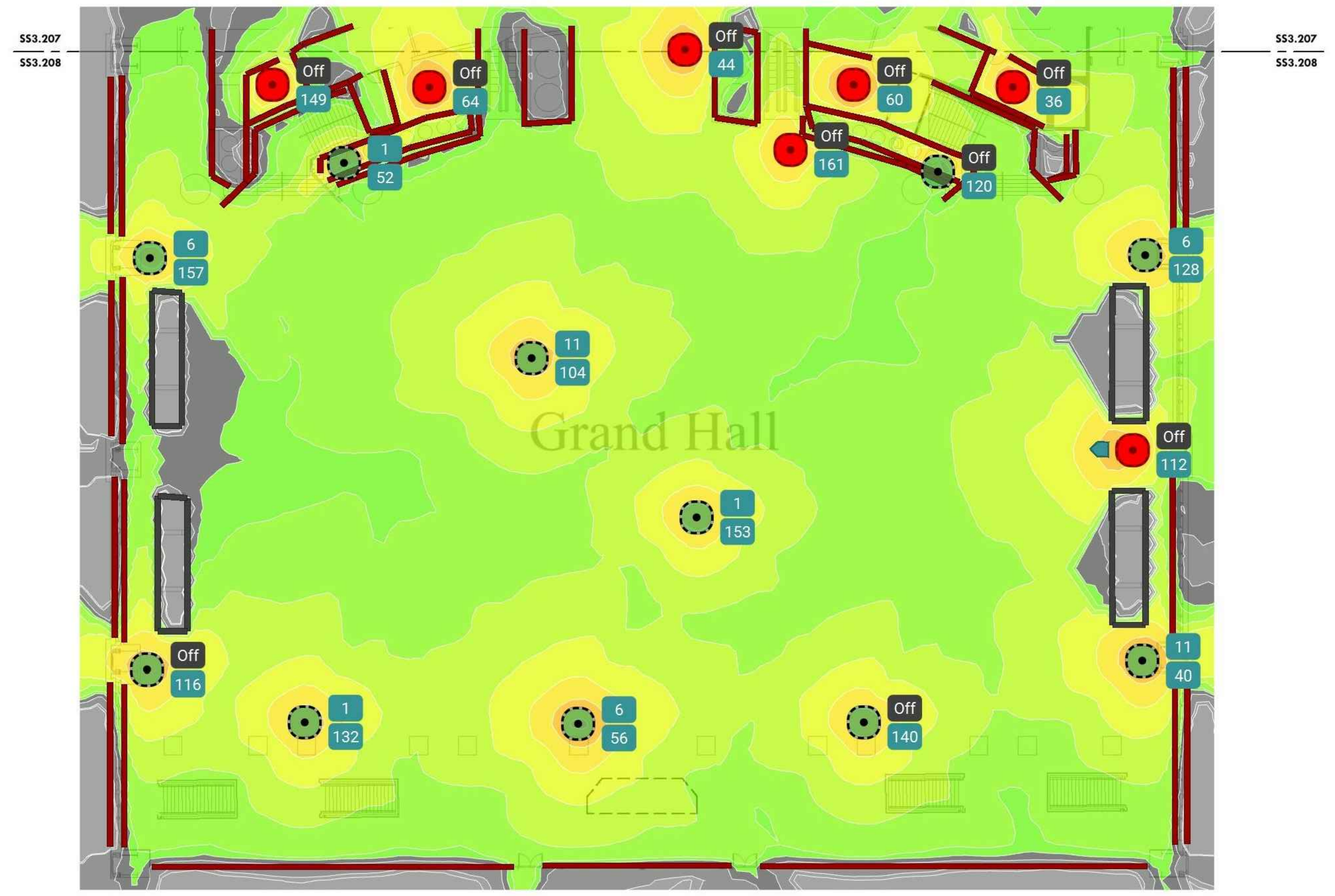
Date 2022-08-29

Drawn By TB

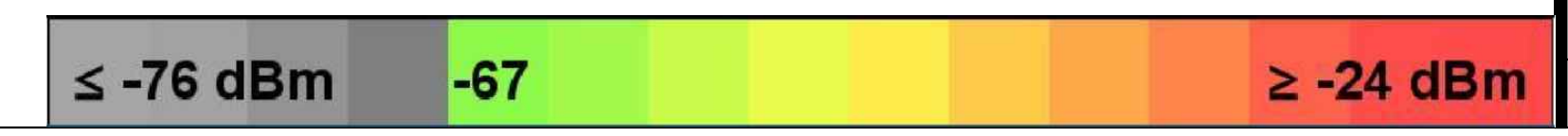
Checked By EH

SS3.208B

Scale AS NOTED

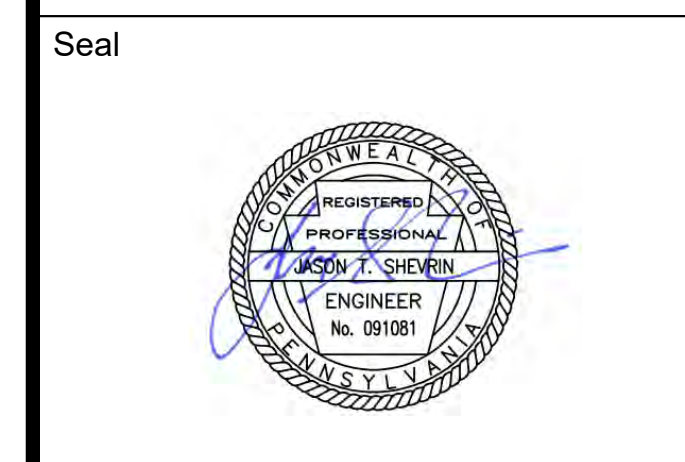
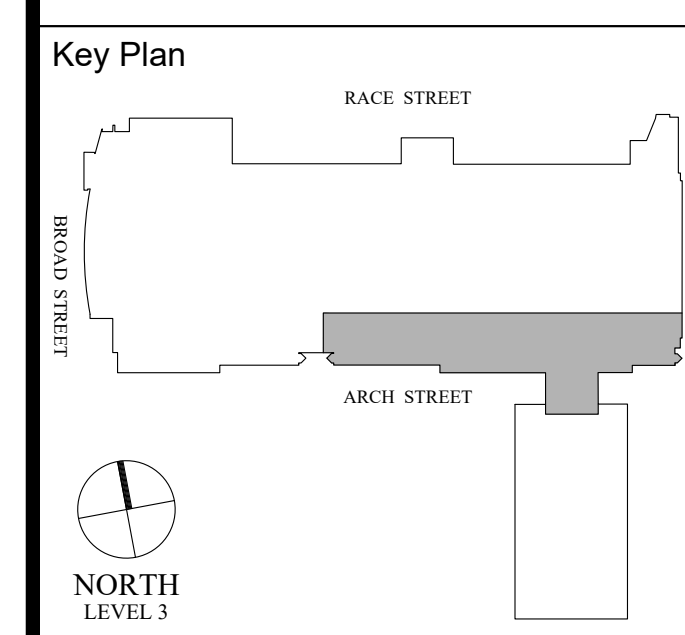


1 LEVEL 2 - NEW HEAT MAP GRAND HALL
 Scale: 1/16" = 1'-0"



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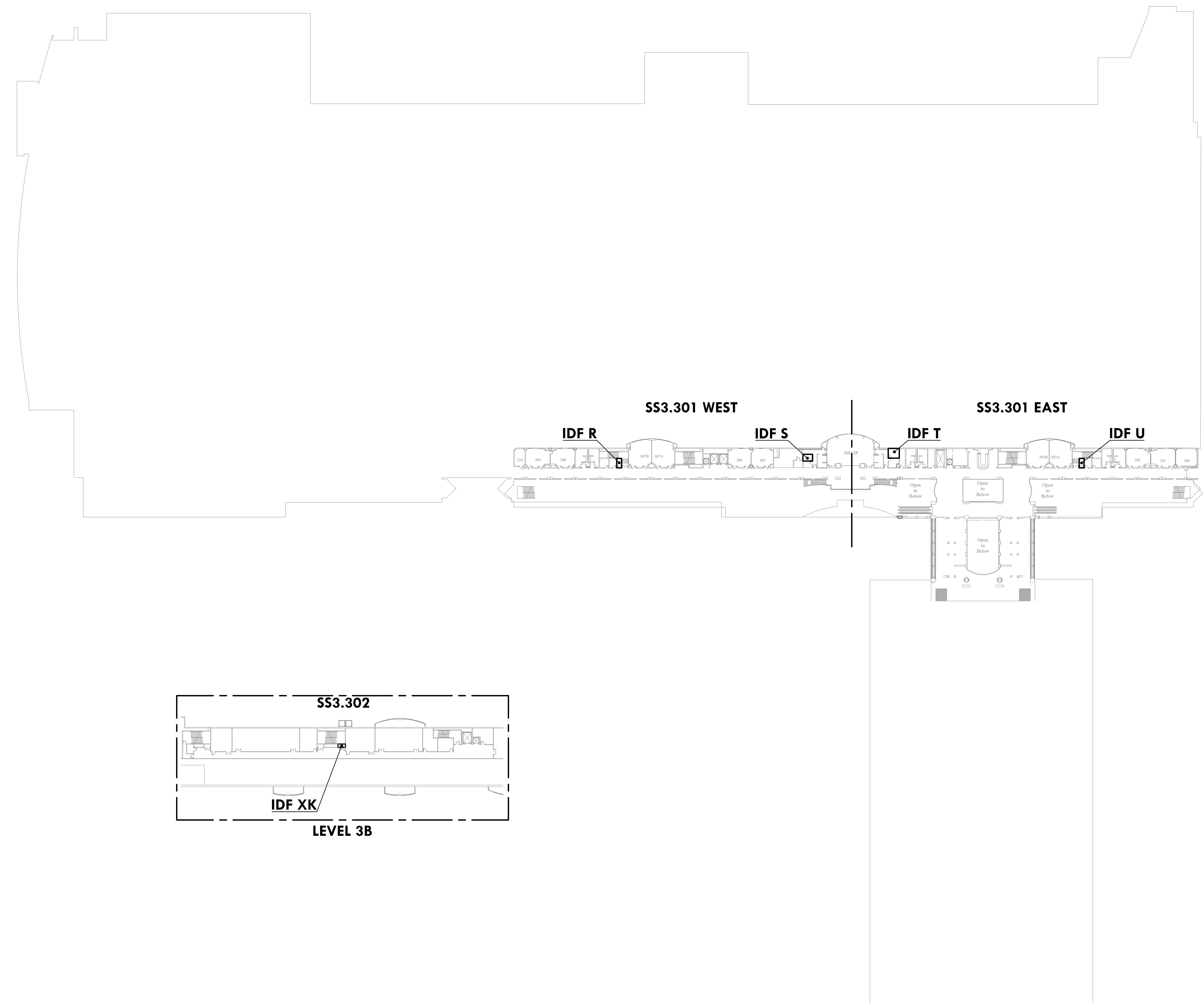
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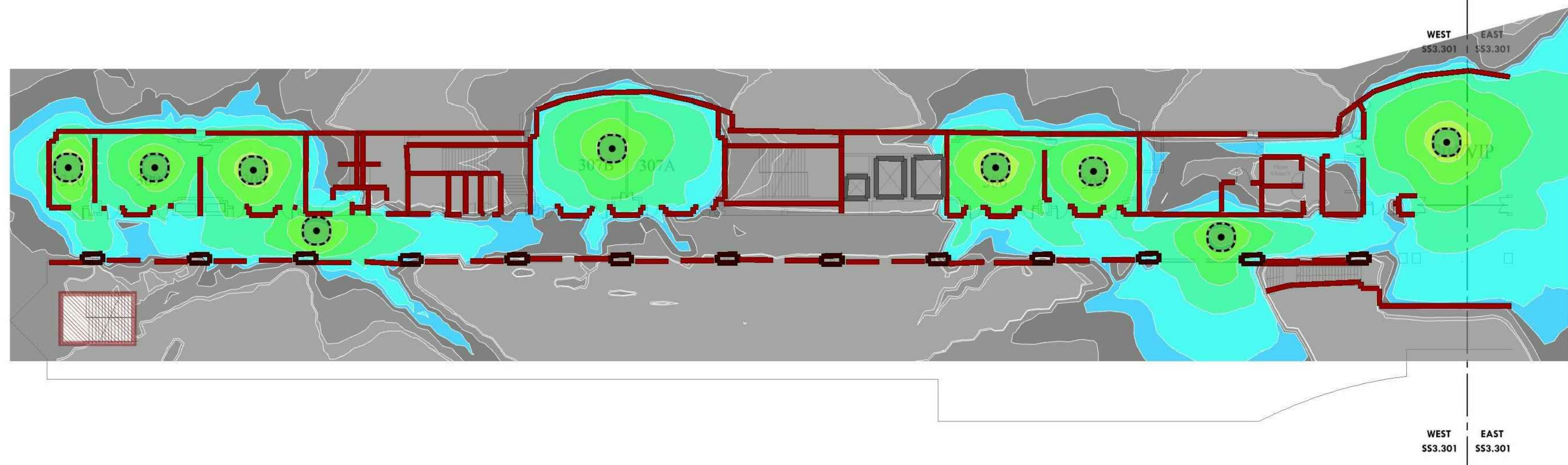
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LEVEL 3 OVERALL KEY PLAN

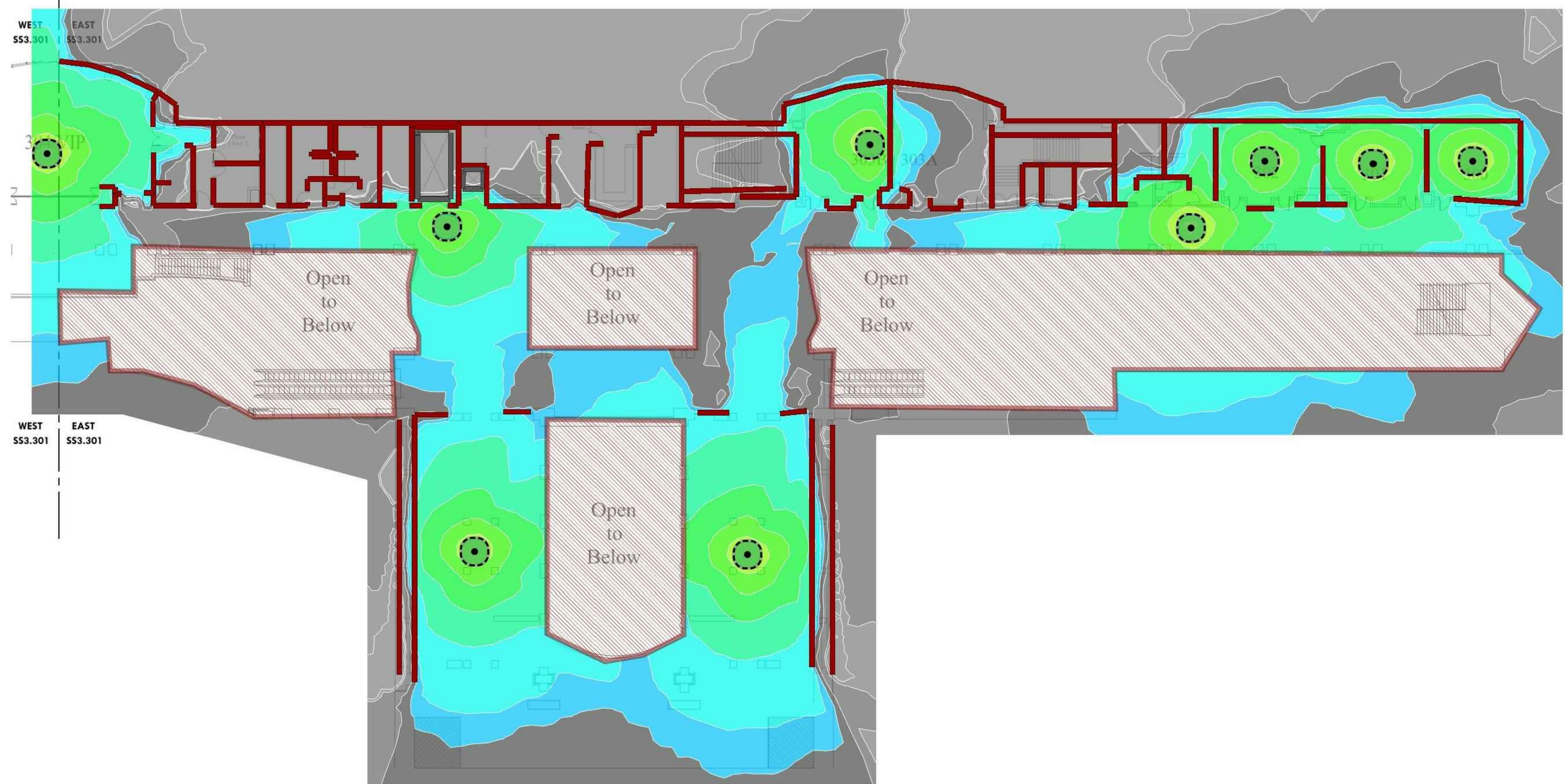
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| Project Number | 128620.001 |
| Date | 2022-08-29 |
| Drawn By | TB |
| Checked By | EH |
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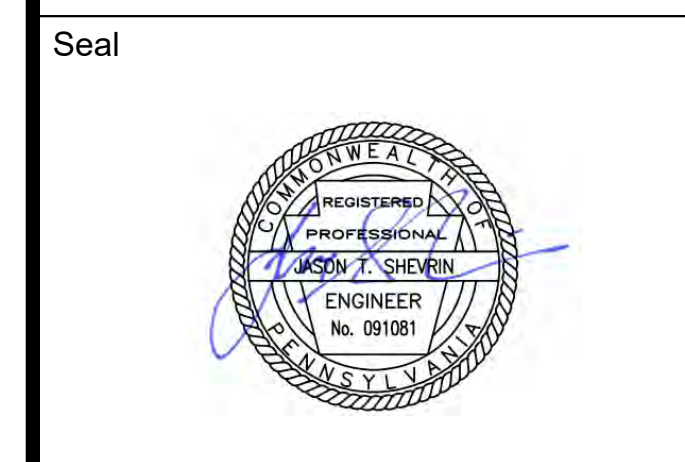
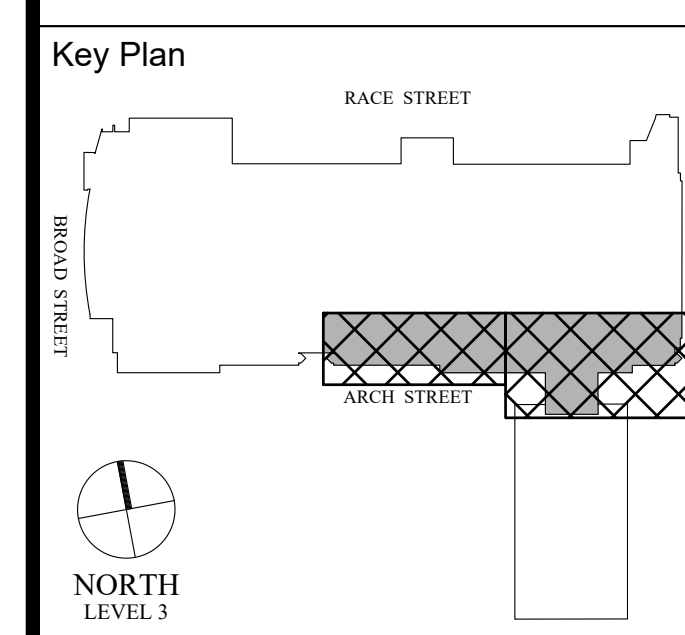
1 LEVEL 3 OVERALL KEY PLAN
 SS3.300 Scale: 1/64" = 1'-0"



1 LEVEL 3A - EXISTING HEAT MAP PLAN - WEST
 Scale: 1/16" = 1'-0"



2 LEVEL 3A - EXISTING HEAT MAP PLAN - EAST
 Scale: 1/16" = 1'-0"



Revisions:

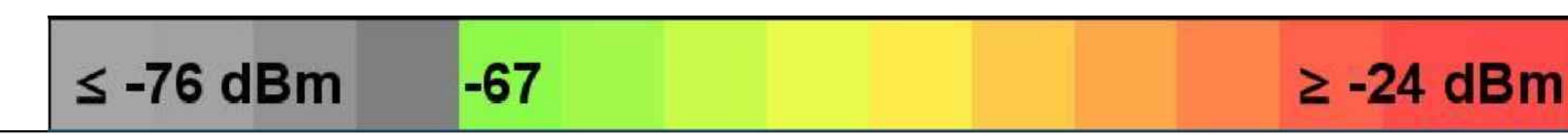
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LEVEL 3A - EXISTING HEAT MAP PLAN

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| Date | 2022-08-29 |
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| Checked By | EH |

SS3.301A
 Scale AS NOTED



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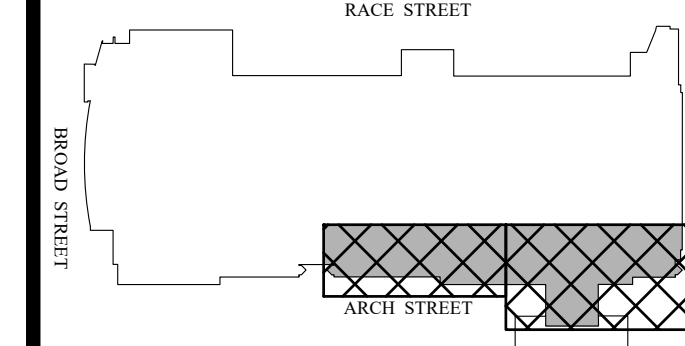
Architect

Civil Engineer

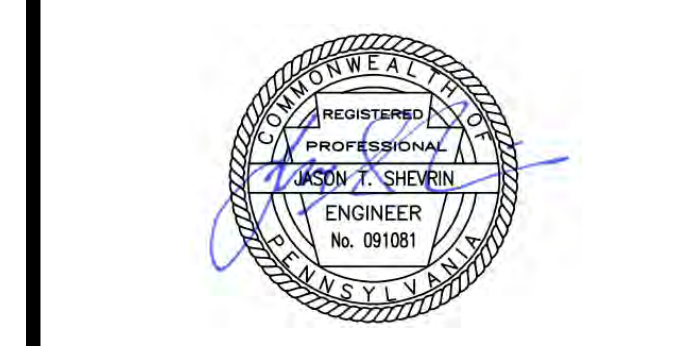
Structural Engineer



Key Plan



Seal



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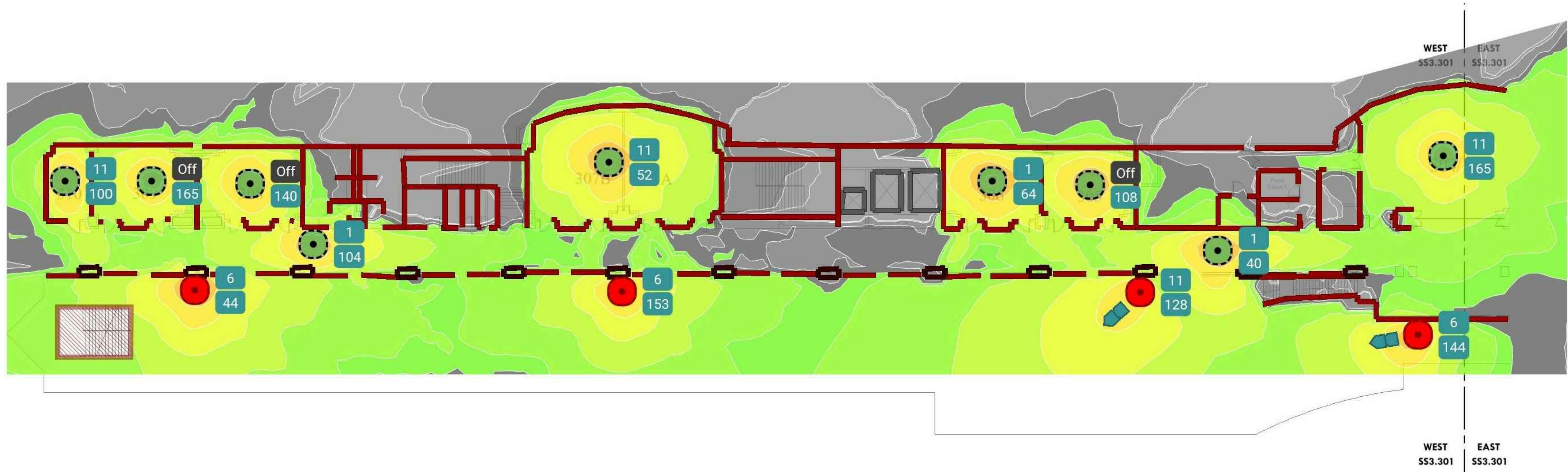
LEVEL 3A - NEW HEAT MAP PLAN

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| Project Number | 128620.001 |
| Date | 2022-08-29 |
| Drawn By | TB |
| Checked By | EH |

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Scale AS NOTED

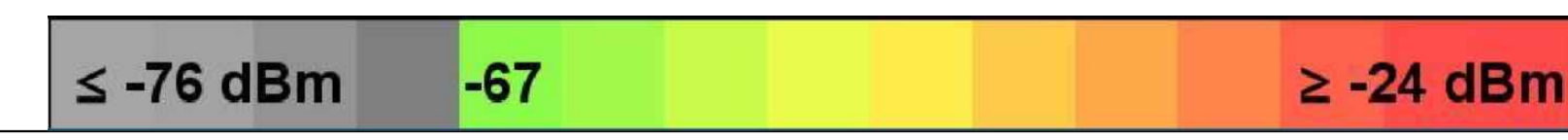
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1 LEVEL 3A - NEW HEAT MAP PLAN - WEST
 Scale: 1/16" = 1'-0"

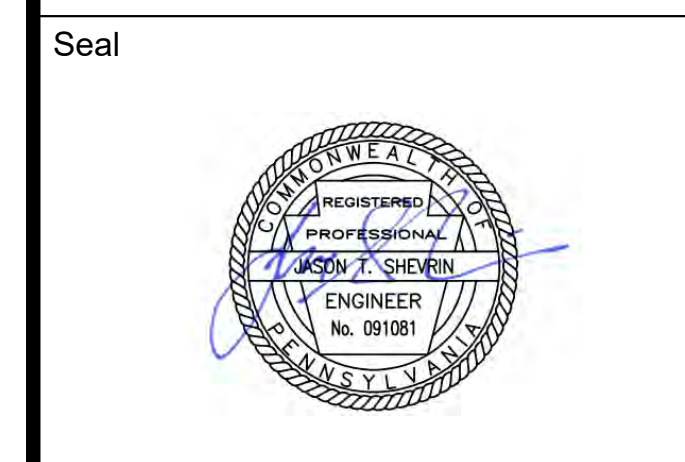
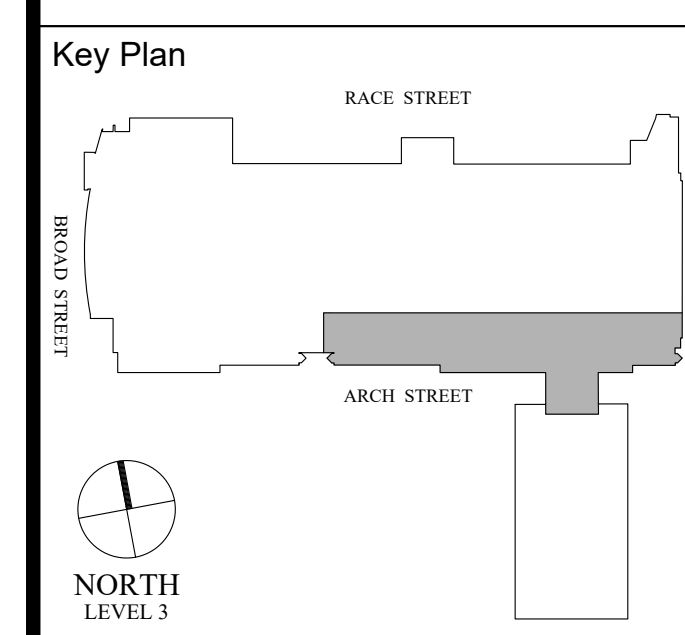


2 LEVEL 3A - NEW HEAT MAP PLAN - EAST
 Scale: 1/16" = 1'-0"



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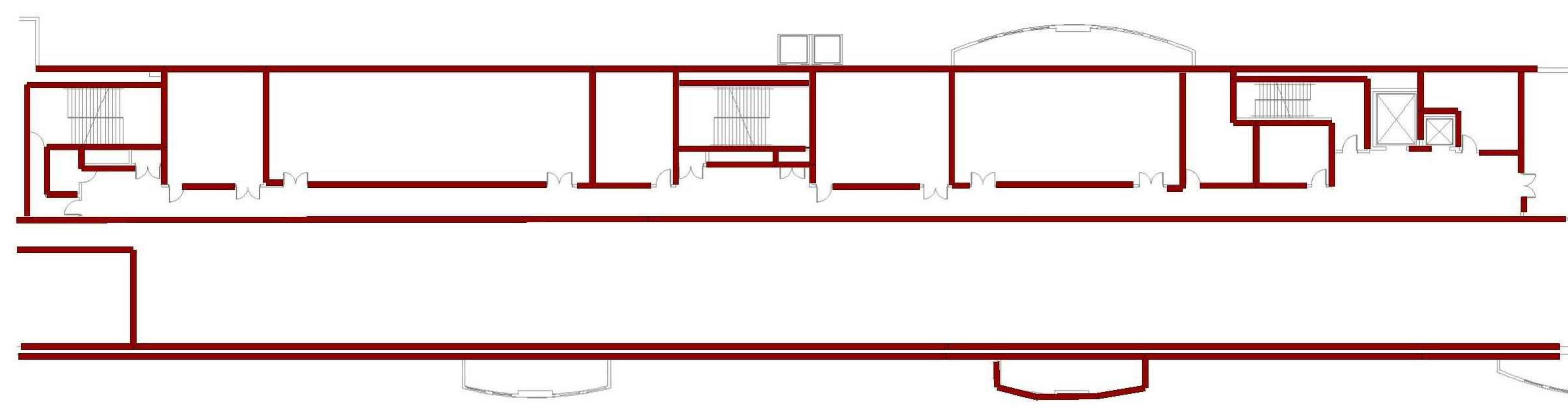
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LEVEL 3B - EXISTING HEAT MAP PLAN

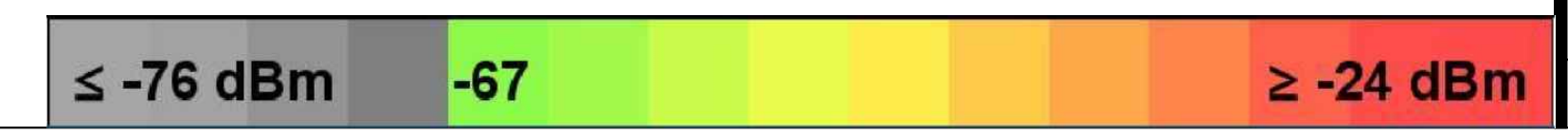
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| Project Number | 128620.001 |
| Date | 2022-08-29 |
| Drawn By | TB |
| Checked By | EH |

SS3.302A
 Scale AS NOTED



1 LEVEL 3B - EXISTING HEAT MAP PLAN
 Scale: 1/16" = 1'-0"

GENERAL NOTES:
 1. NO WAP INSTALLED IN LEVEL 3B - HEAT MAP NOT PROVIDED FOR EXISTING CONDITION.



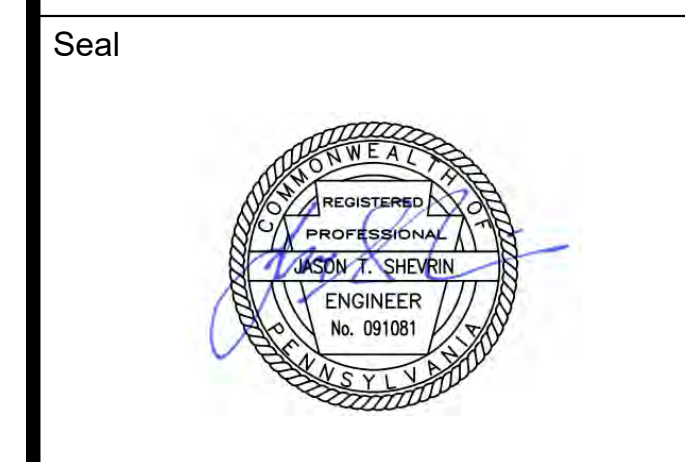
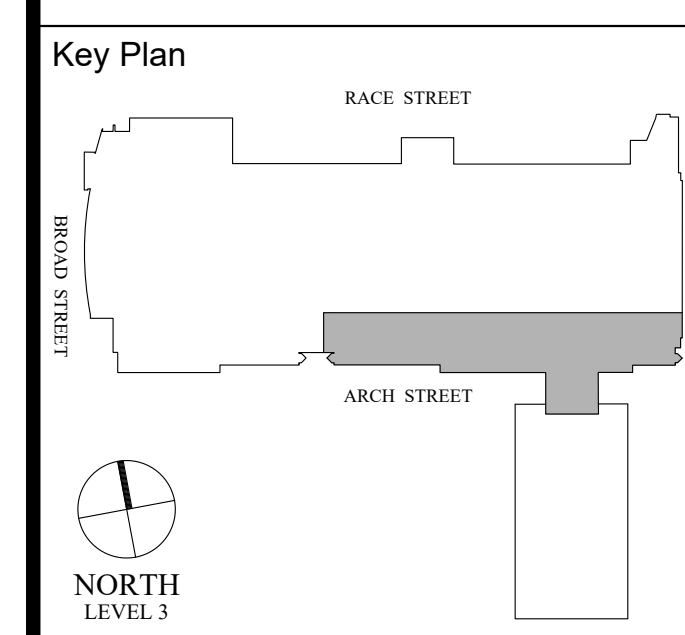
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Architect

Civil Engineer

Structural Engineer



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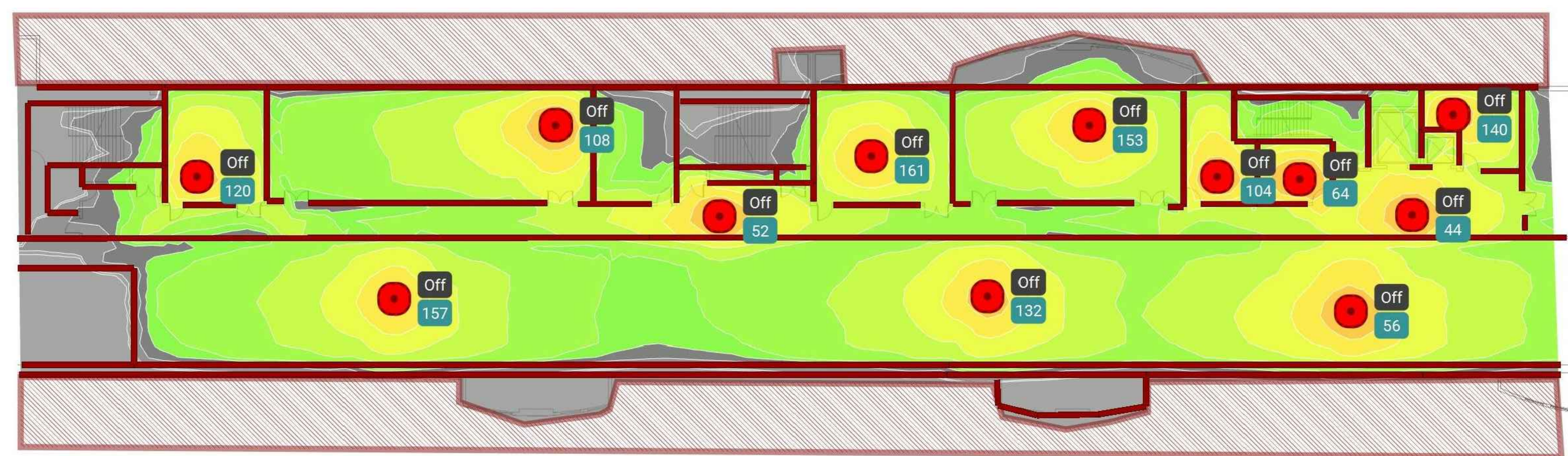
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LEVEL 3B - NEW HEAT MAP PLAN

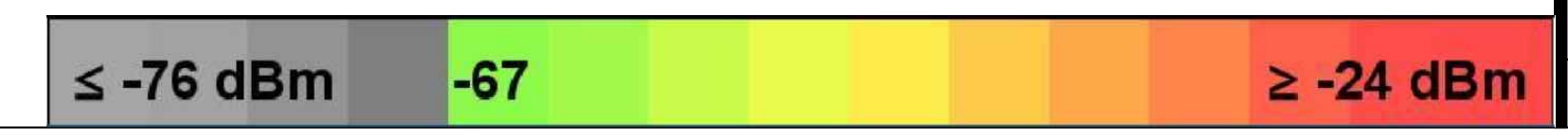
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| Date | 2022-08-29 |
| Drawn By | TB |
| Checked By | EH |

SS3.302B

Scale AS NOTED

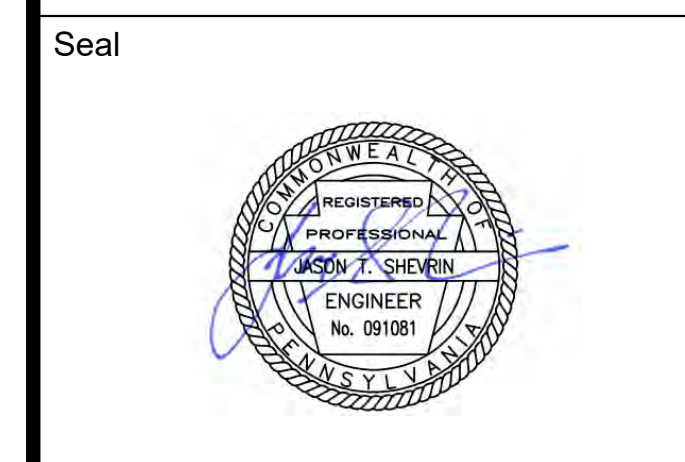
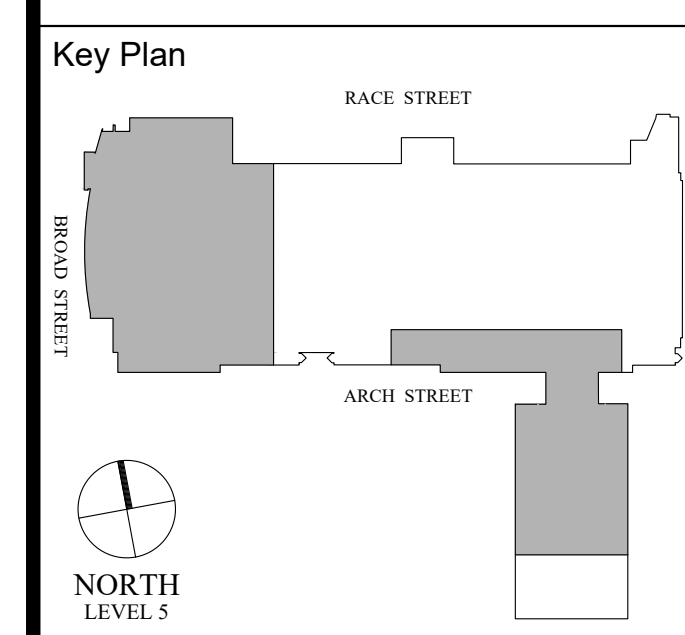


1 LEVEL 3B - NEW HEAT MAP PLAN
 SS3.302B Scale: 1/16" = 1'-0"



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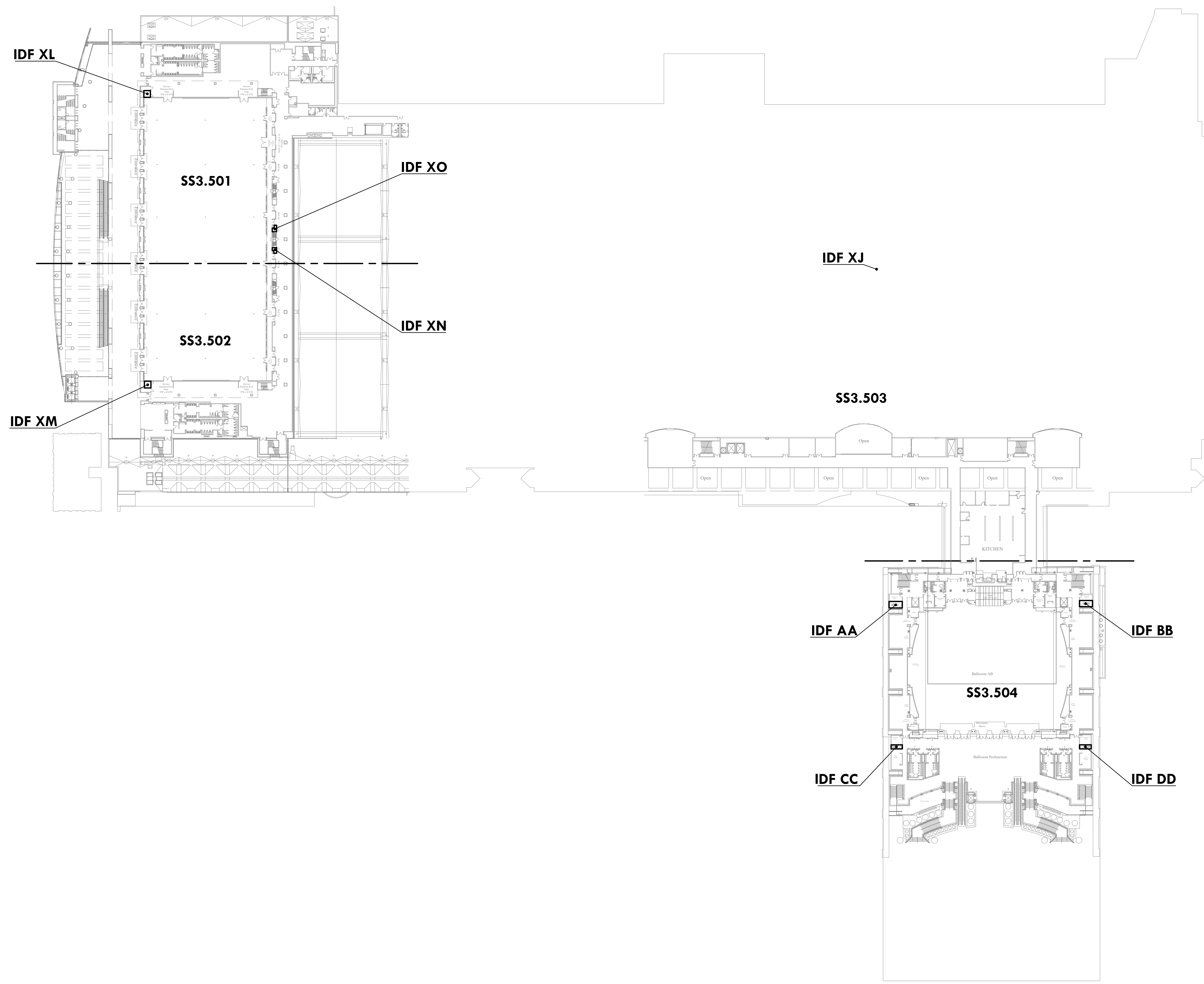
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LEVEL 5 OVERALL KEY PLAN

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| Project Number | 128620.001 |
| Date | 2022-08-29 |
| Drawn By | TB |
| Checked By | EH |

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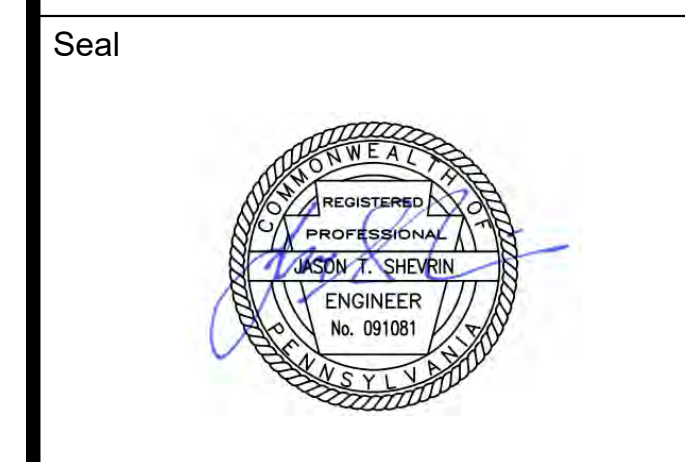
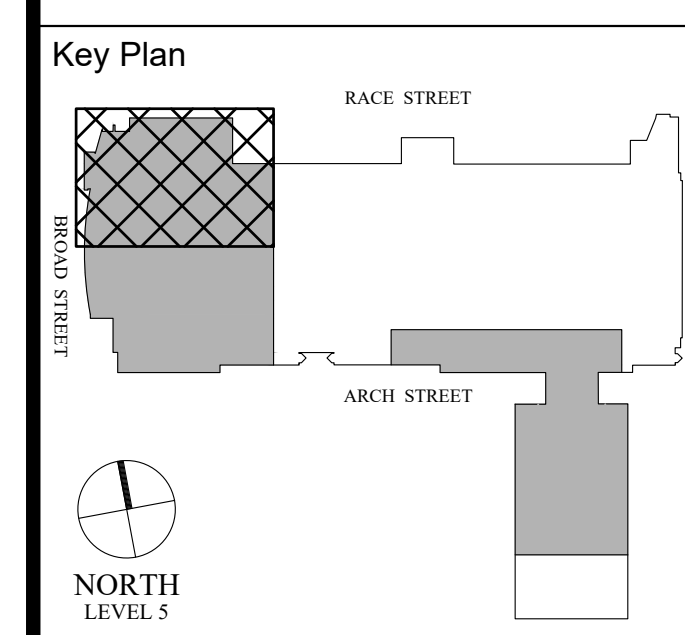


1 LEVEL 5 OVERALL KEY PLAN
 SS3.500 Scale: 1/64" = 1'-0"

Architect

Civil Engineer

Structural Engineer



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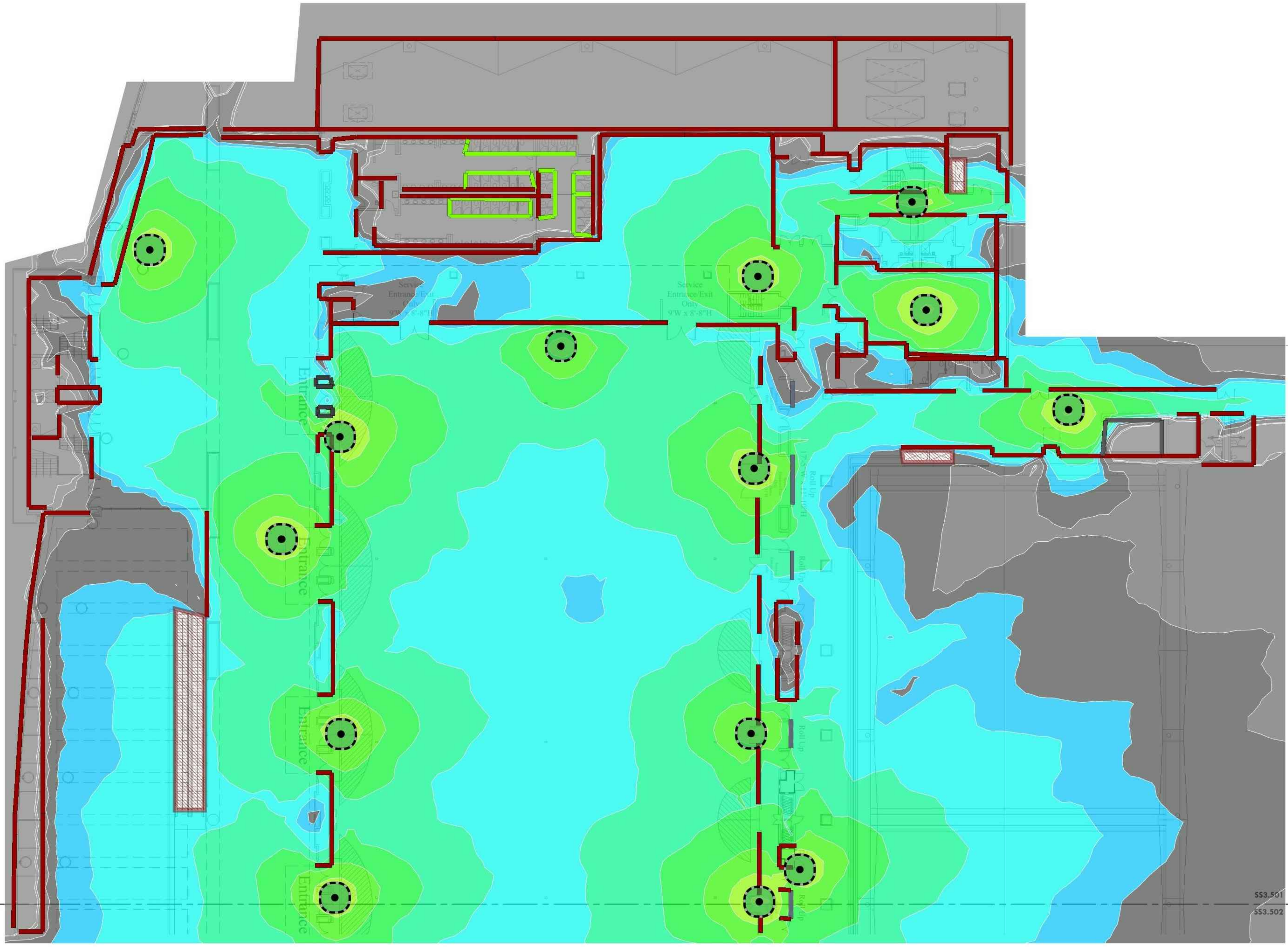
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LEVEL 5 - EXISTING HEAT MAP PLAN NW

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| Project Number | 128620.001 |
| Date | 2022-08-29 |
| Drawn By | TB |
| Checked By | EH |

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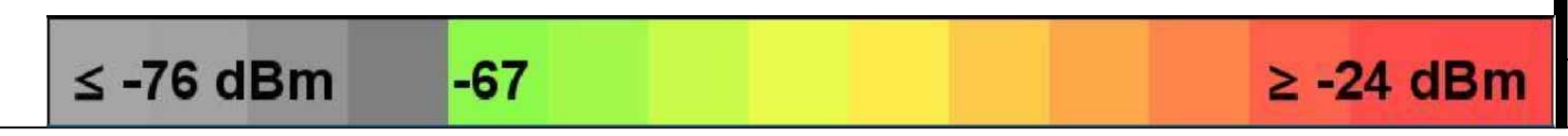
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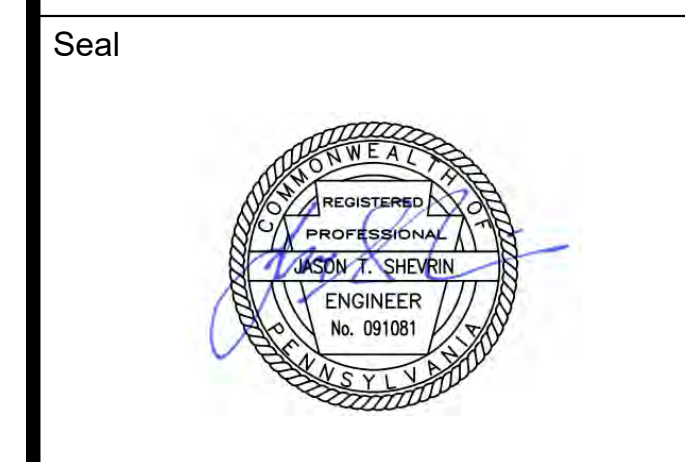
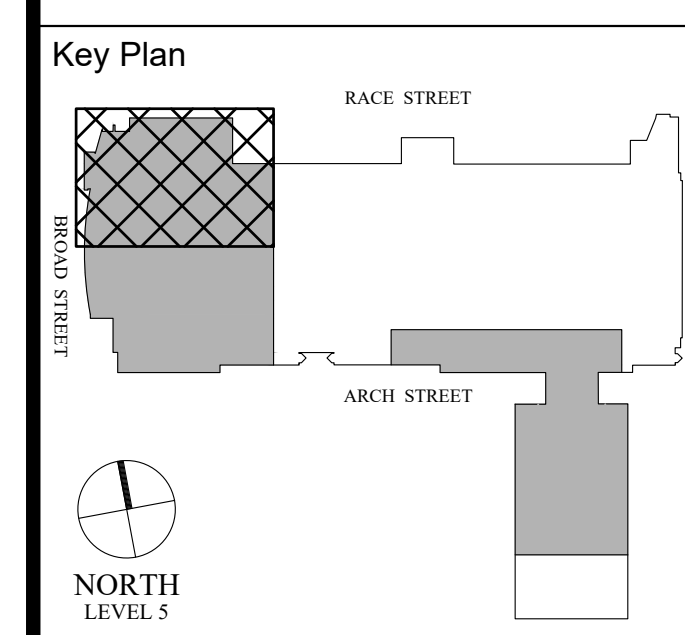
1 LEVEL 5 - EXISTING HEAT MAP PLAN NW
 Scale: 1/16" = 1'-0"



Architect

Civil Engineer

Structural Engineer



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**LEVEL 5 - NEW HEAT MAP
 PLAN NW**

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| Project Number | 128620.001 |
| Date | 2022-08-29 |
| Drawn By | TB |
| Checked By | EH |

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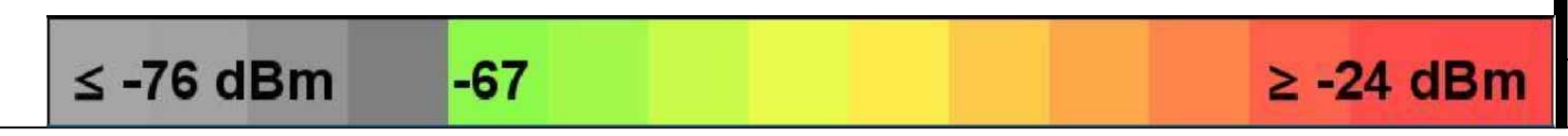
Scale AS NOTED



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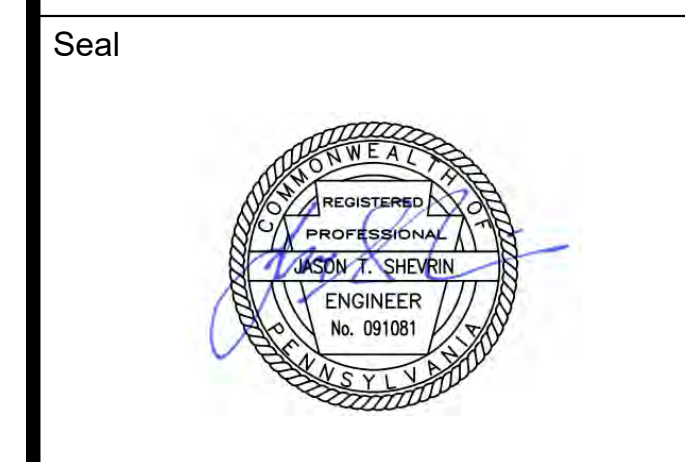
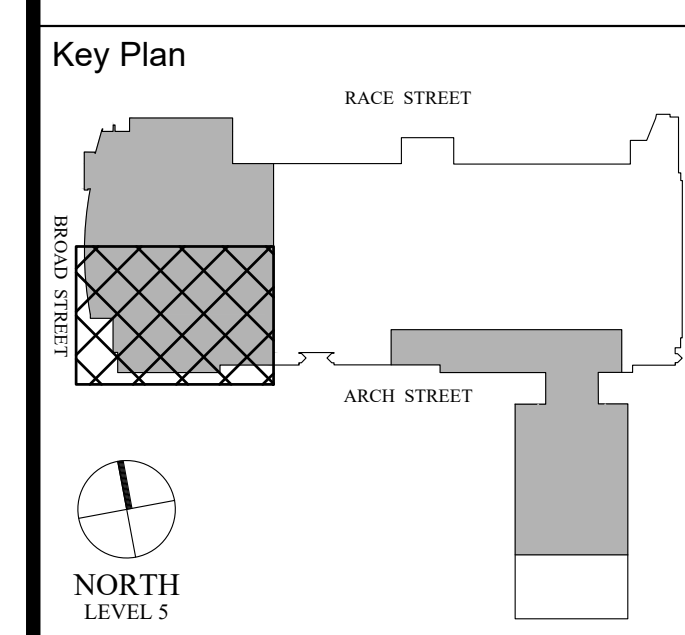
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1 LEVEL 5 - NEW HEAT MAP PLAN NW
 Scale: 1/16" = 1'-0"



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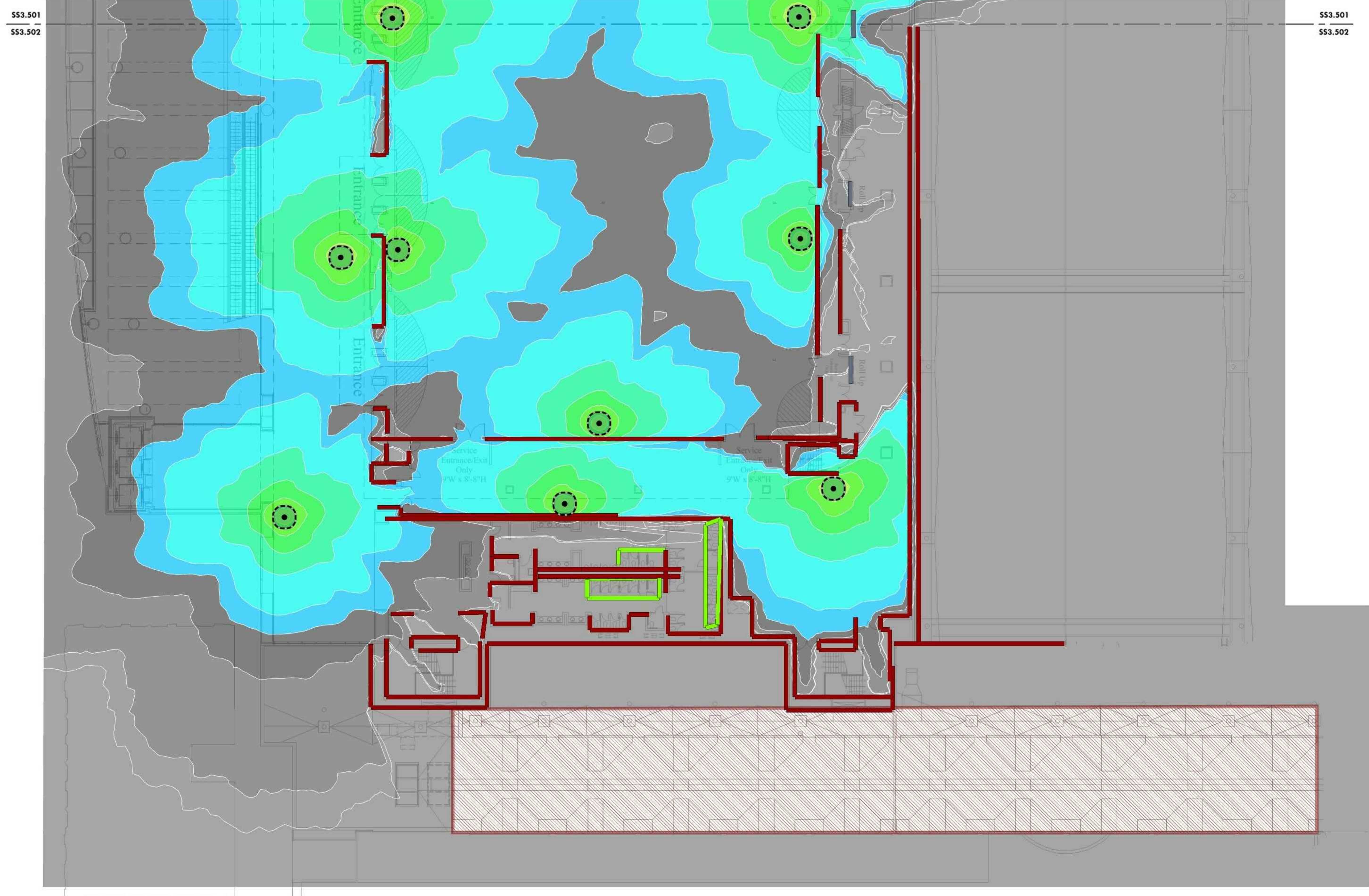
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PCCA WiFi UPGRADES
 1101 ARCH STREET
 PHILADELPHIA, PA. 19107
 PENNSYLVANIA
 CONVENTION CENTER
 AUTHORITY (PCCA)

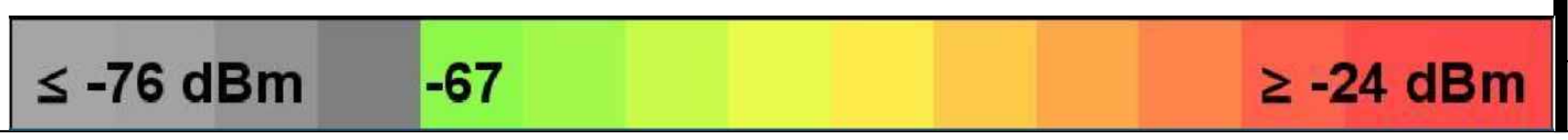
LEVEL 5 - EXISTING HEAT MAP PLAN SW

| | |
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| Project Number | 128620.001 |
| Date | 2022-08-29 |
| Drawn By | TB |
| Checked By | EH |

SS3.502A
 Scale AS NOTED



1 LEVEL 5 - EXISTING HEAT MAP PLAN SW
 SS3.502A Scale: 1/16" = 1'-0"

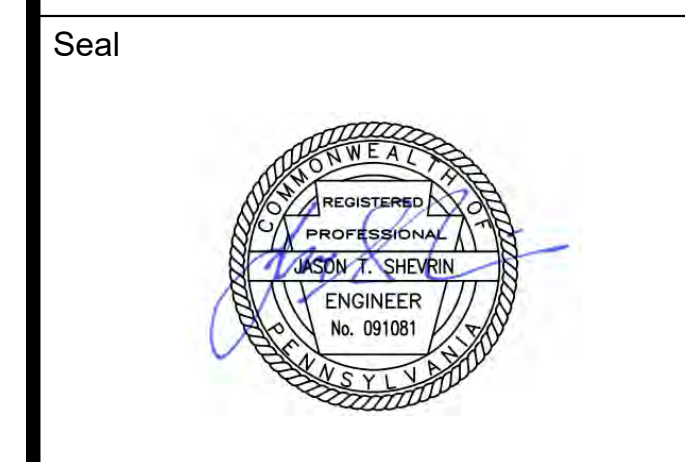
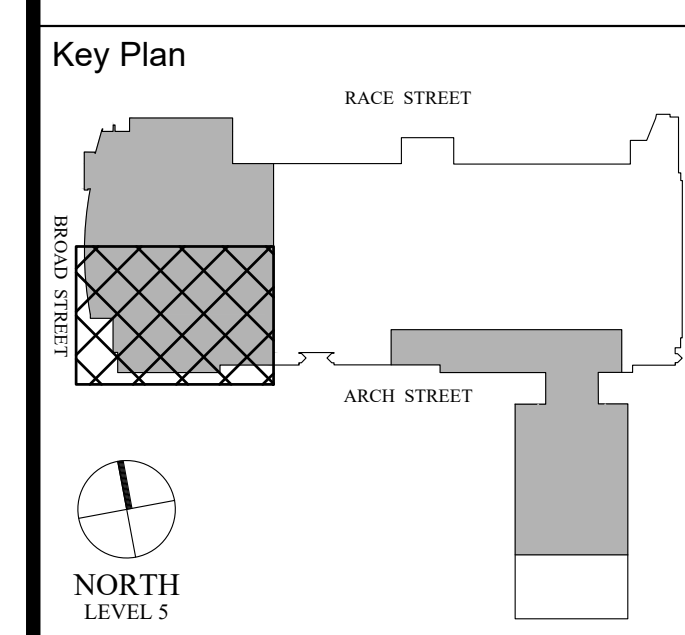


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Architect

Civil Engineer

Structural Engineer



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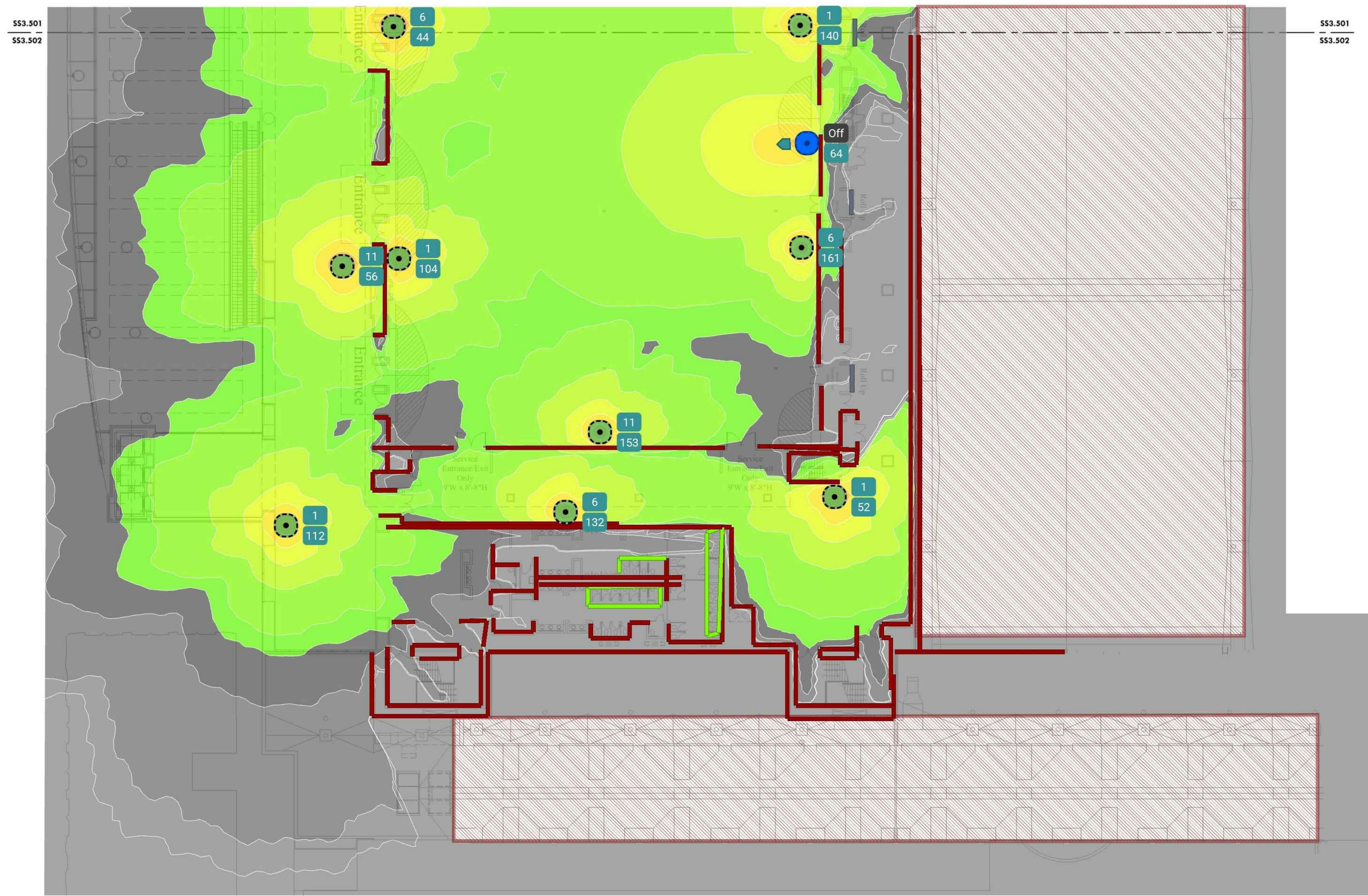
PCCA WiFi UPGRADES
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 PHILADELPHIA, PA. 19107
 PENNSYLVANIA
 CONVENTION CENTER
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LEVEL 5 - NEW HEAT MAP PLAN SW

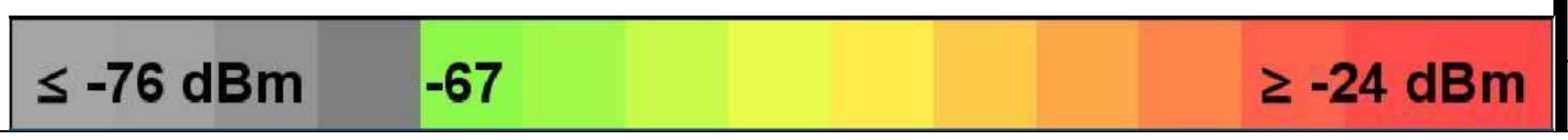
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| Project Number | 128620.001 |
| Date | 2022-08-29 |
| Drawn By | TB |
| Checked By | EH |

SS3.502B

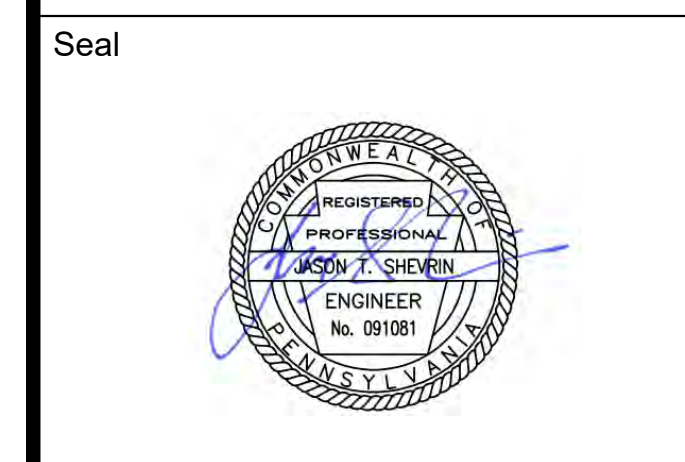
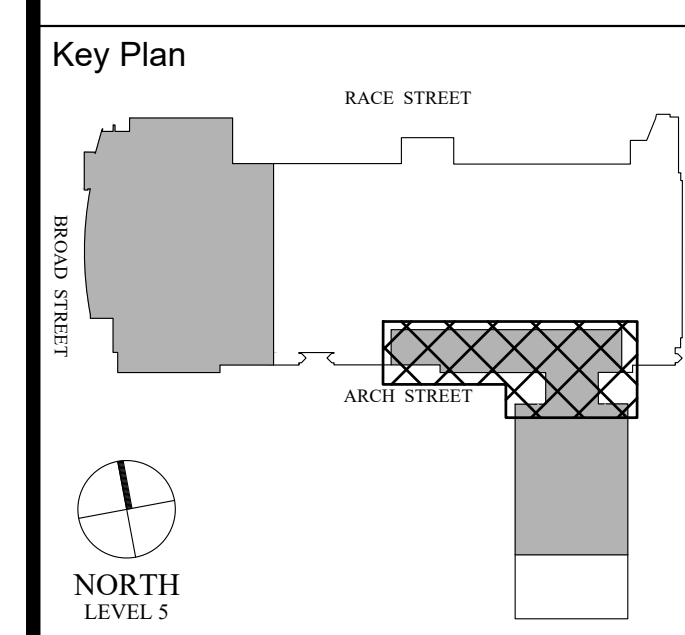
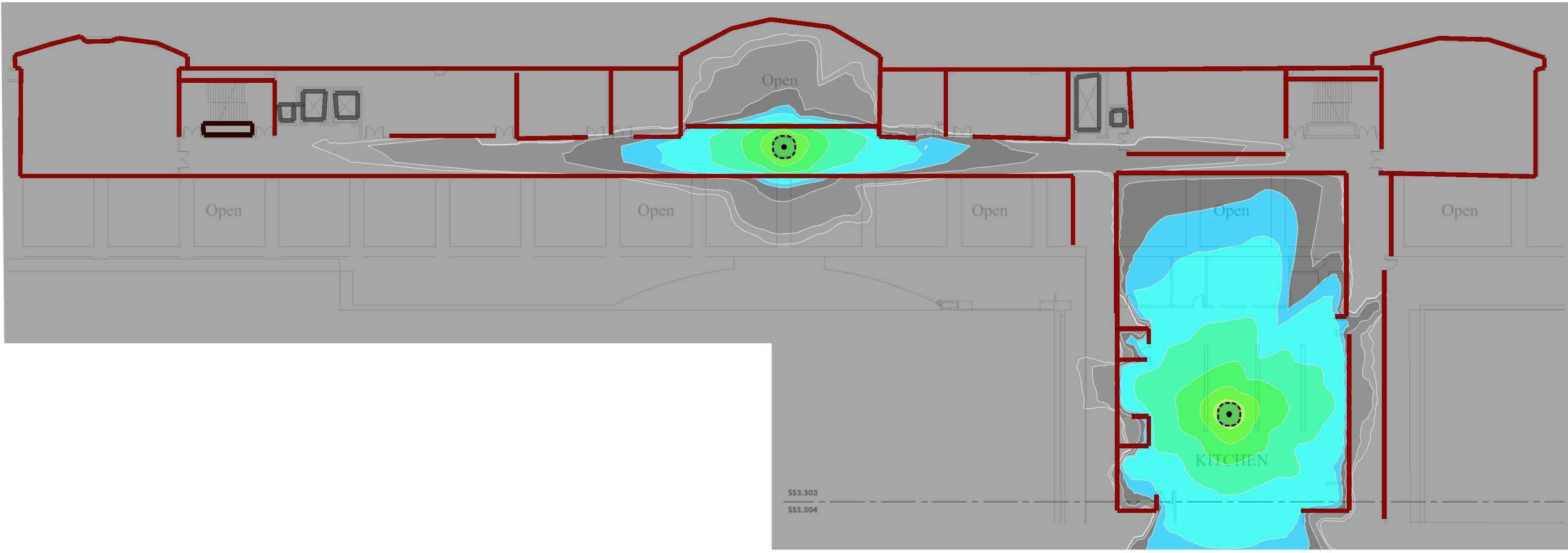
Scale AS NOTED



1 LEVEL 5 - NEW HEAT MAP PLAN SW
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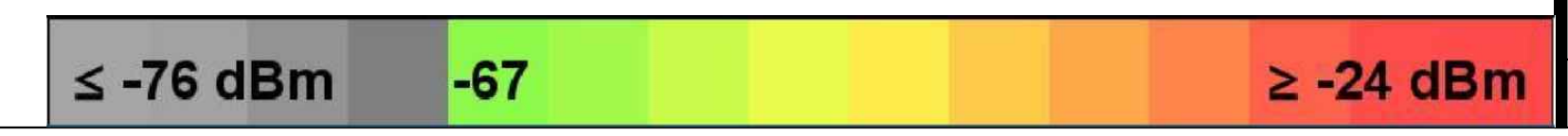
PCCA WiFi UPGRADES
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 PENNSYLVANIA
 CONVENTION CENTER
 AUTHORITY (PCCA)

LEVEL 5 - EXISTING HEAT MAP PLAN BALLROOM 'W' S.E

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| Project Number | 128620.001 |
| Date | 2022-08-29 |
| Drawn By | TB |
| Checked By | EH |

SS3.503A
 Scale AS NOTED

1 LEVEL 5 - EXISTING HEAT MAP PLAN BALLROOM 'W' S.E.
 Scale: 1/16" = 1'-0"

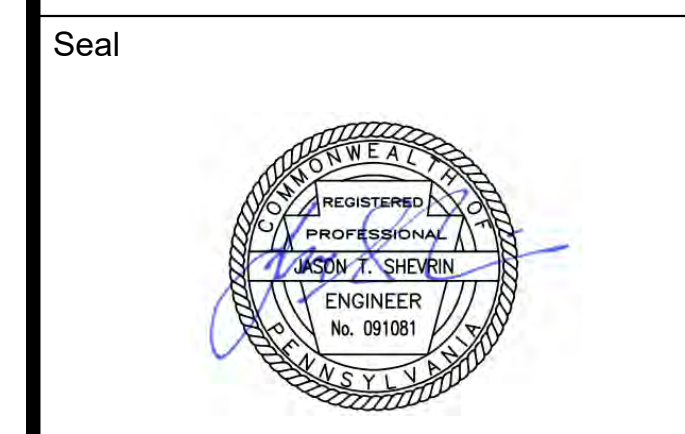
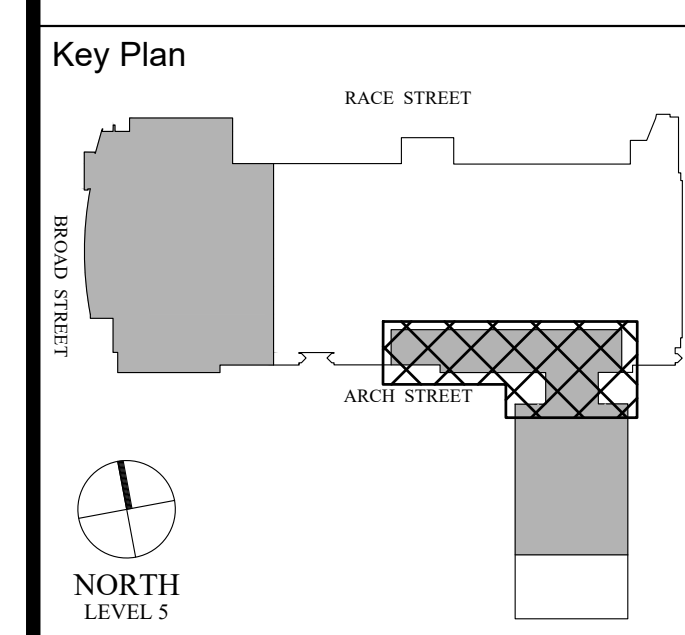


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Architect

Civil Engineer

Structural Engineer



Revisions:

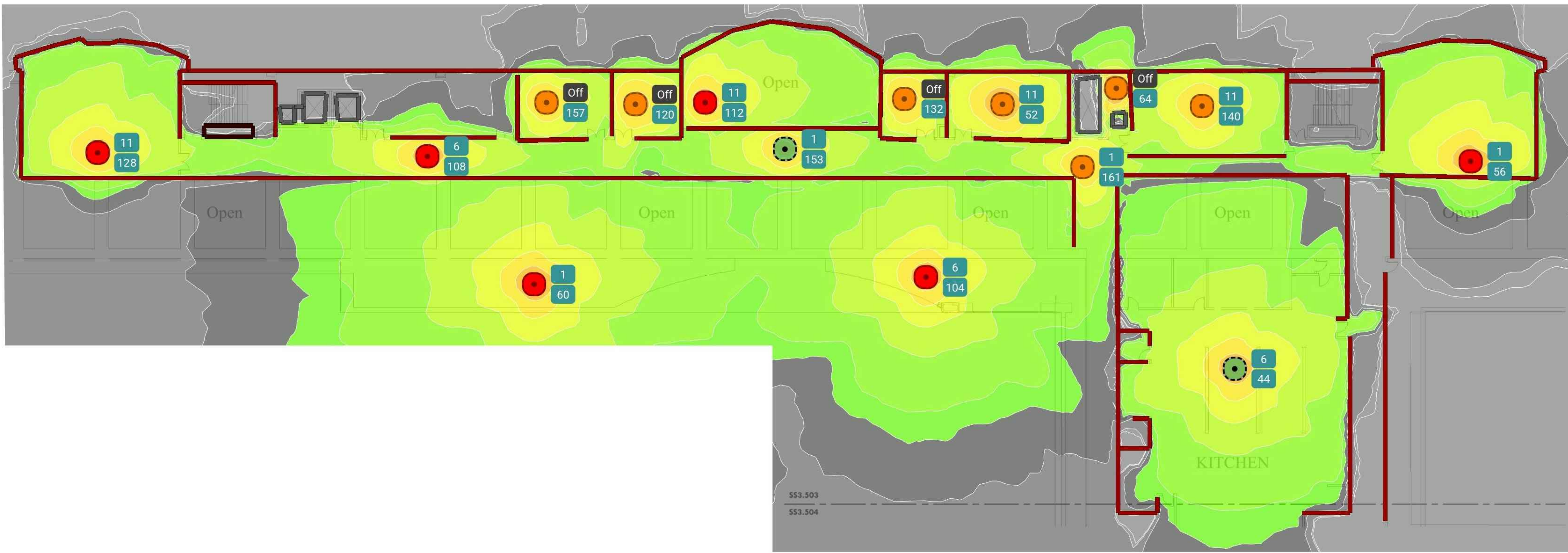
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PCCA WiFi UPGRADES
 1101 ARCH STREET
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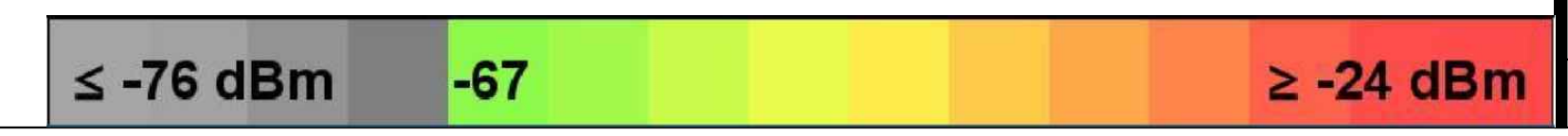
**LEVEL 5 - NEW HEAT MAP
 PLAN BALLROOM 'W' S.E**

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| Project Number | 128620.001 |
| Date | 2022-08-29 |
| Drawn By | TB |
| Checked By | EH |

SS3.503B
 Scale AS NOTED



1 LEVEL 5 - NEW HEAT MAP PLAN BALLROOM 'W' S.E
 SS3.503B Scale: 1/16" = 1'-0"

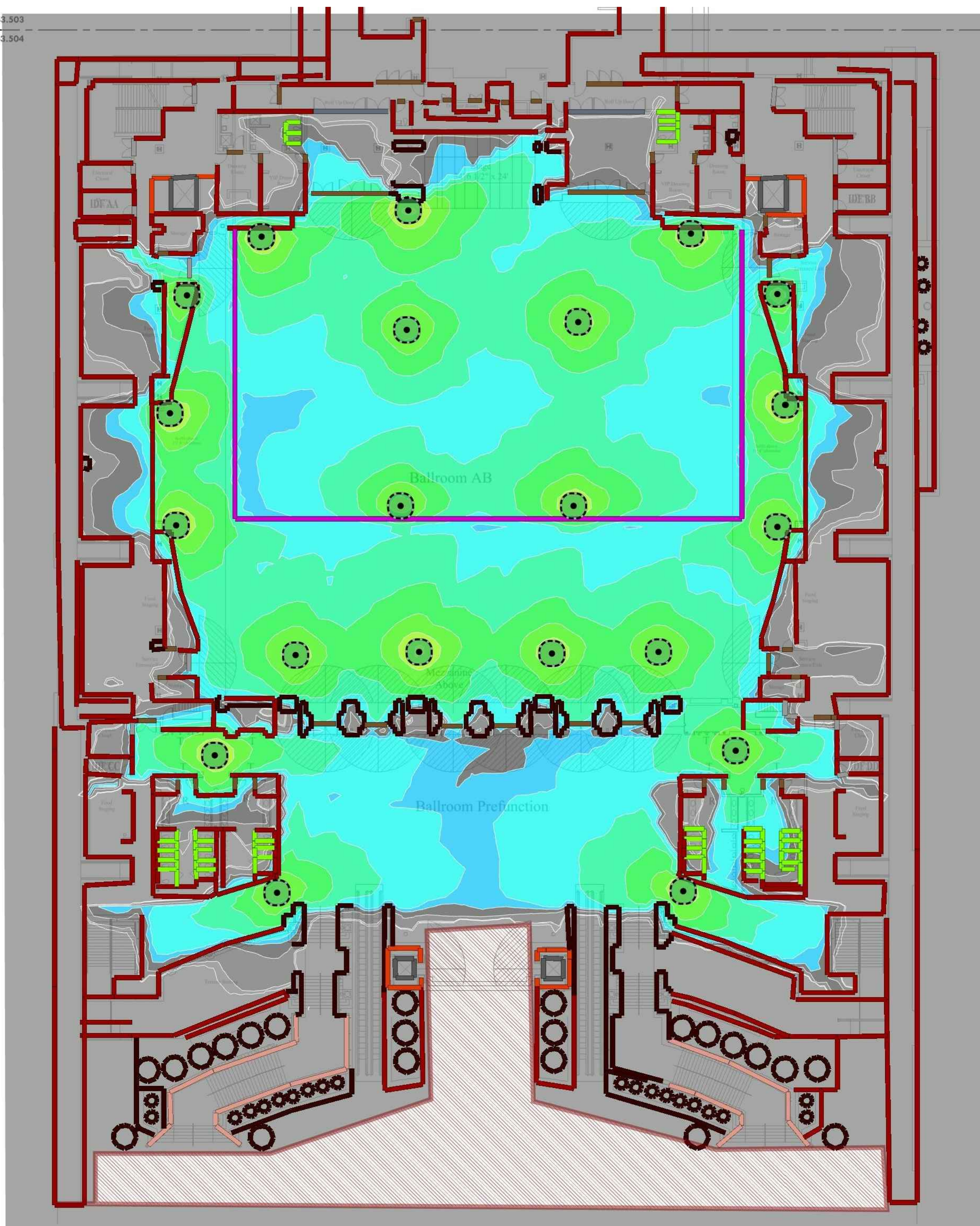


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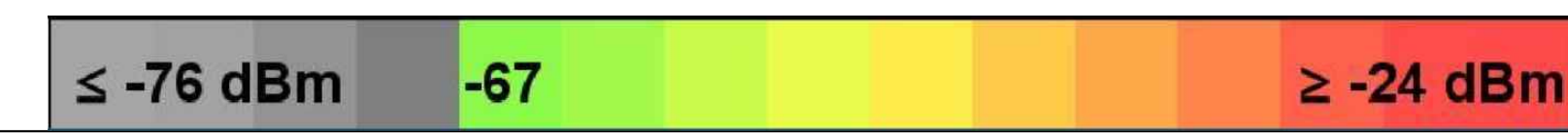
THIS DRAWING IS FORMATTED TO BE PRINTED AT 36" X 42"

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1 LEVEL 5 - EXISTING HEAT MAP PLAN BALLROOM 'E' S.W
 SS3.504A Scale: 1/16" = 1'-0"



MEP / FP Engineer
ARORA
 ARORA ENGINEERS, INC.
 1600 MARKET STREET, SUITE 1630
 PHILADELPHIA, PA. 19103
 215.372.1365

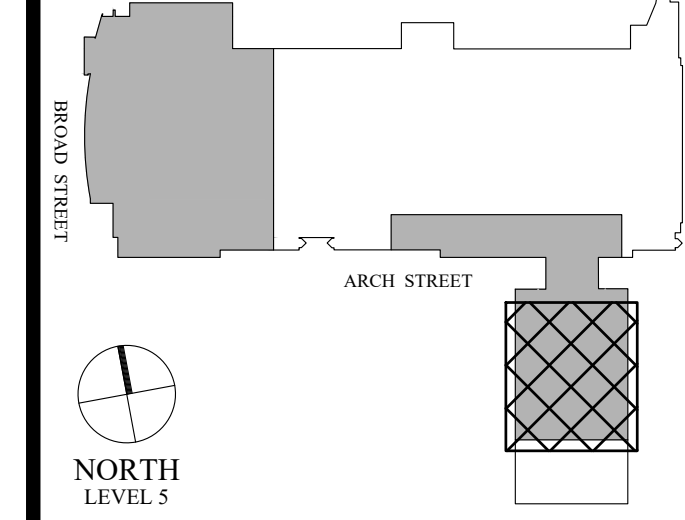
Architect

Civil Engineer

Structural Engineer



Key Plan



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**LEVEL 5 - EXISTING HEAT
 MAP PLAN BALLROOM 'E'
 S.W**

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| Project Number | 128620.001 |
| Date | 2022-08-29 |
| Drawn By | TB |
| Checked By | EH |

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Scale AS NOTED

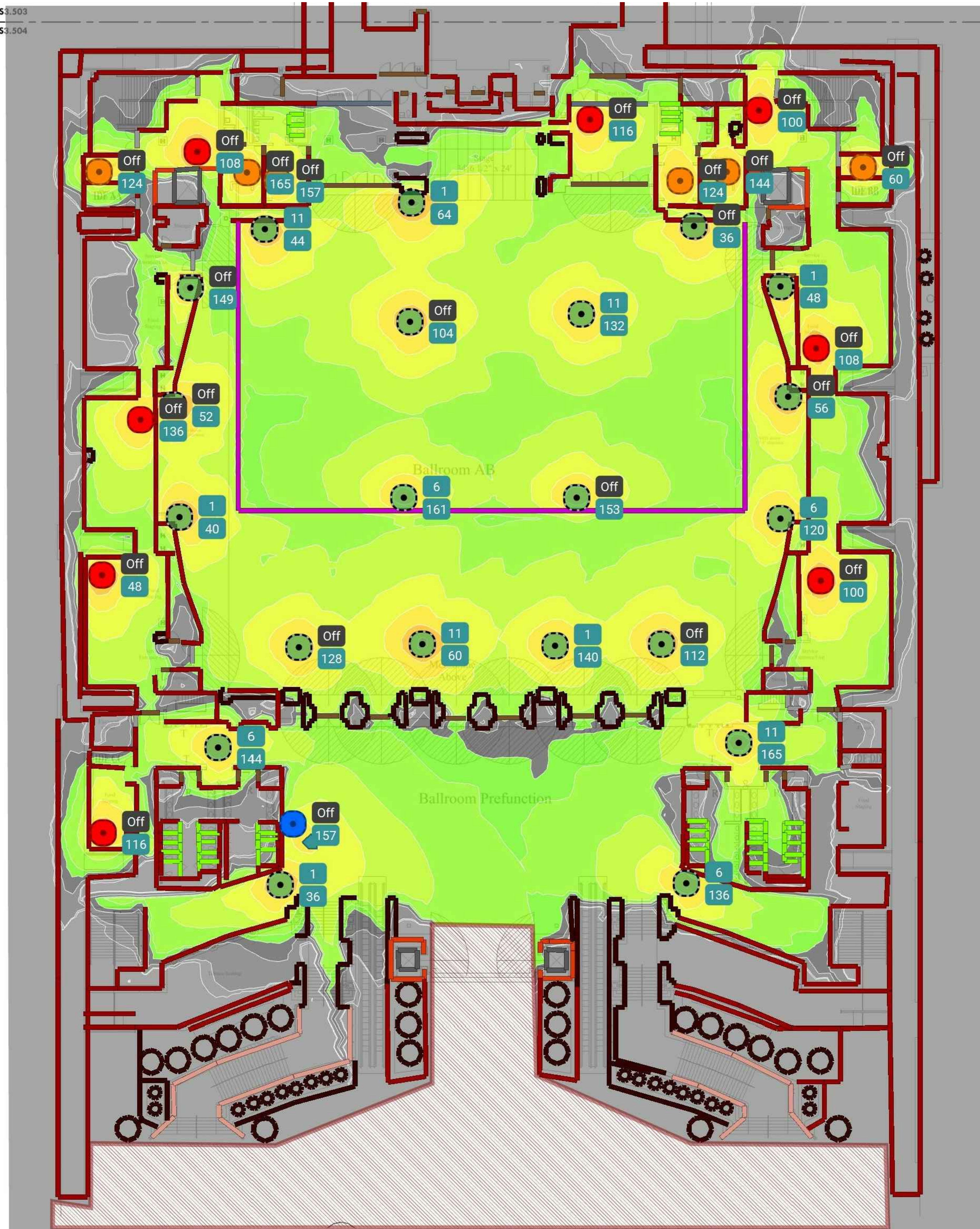
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1 LEVEL 5 - NEW HEAT MAP PLAN BALLROOM 'E' S.W.
SS3.504B Scale: 1/16" = 1'-0"



MEP / FP Engineer
ARORA
ARORA ENGINEERS, INC.
1600 MARKET STREET, SUITE 1630
PHILADELPHIA, PA. 19103
215.372.1365

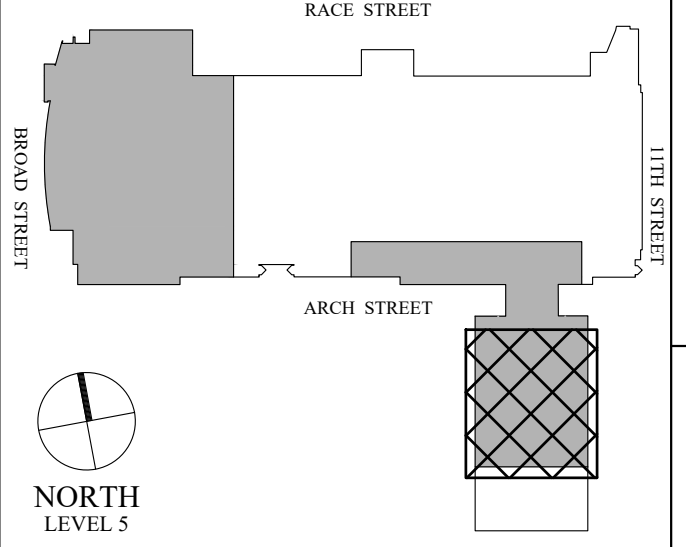
Architect

Civil Engineer

Structural Engineer



Key Plan



Seal



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**LEVEL 5 - NEW HEAT MAP
PLAN BALLROOM 'E' S.W.**

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| Project Number | 128620.001 |
| Date | 2022-08-29 |
| Drawn By | TB |
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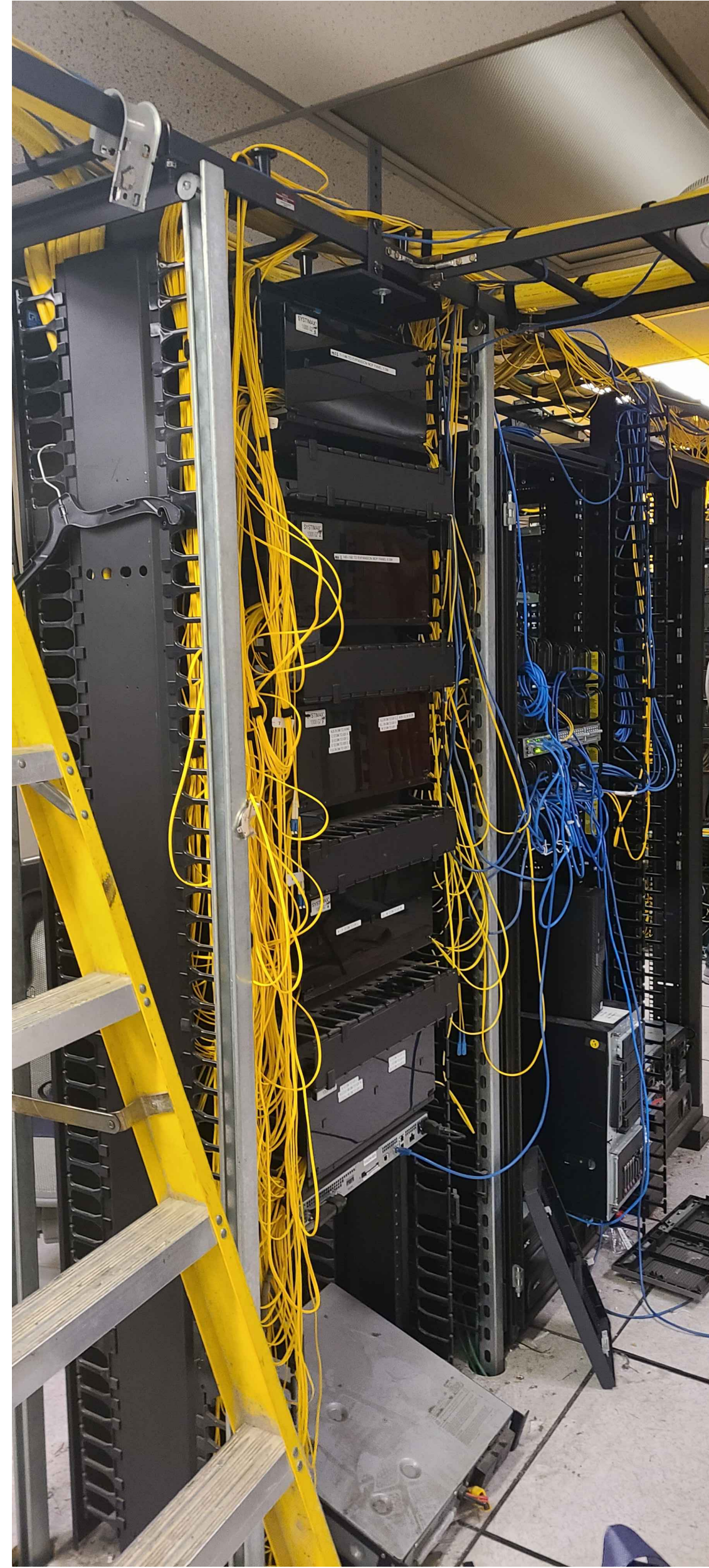
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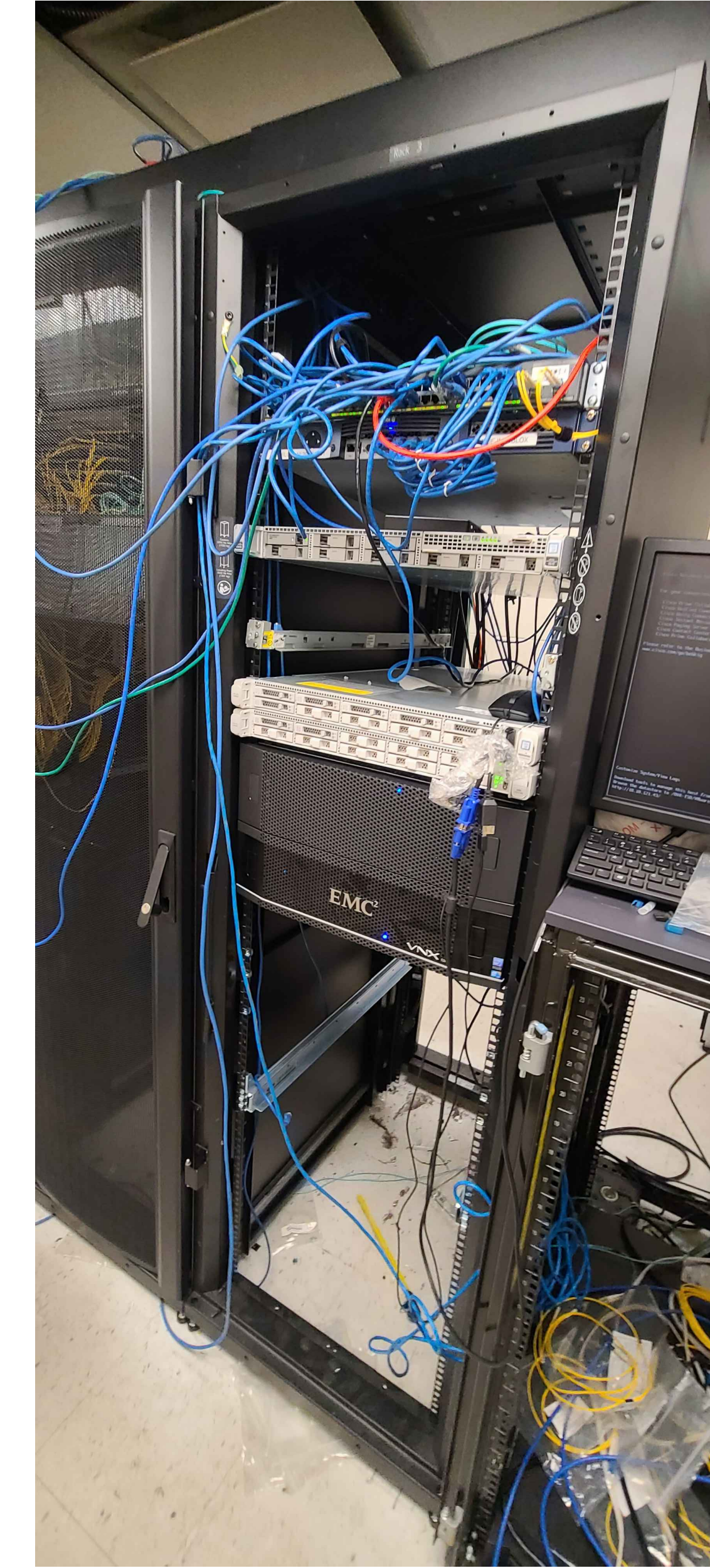
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GENERAL NOTES:

1. NO WORK IS REQUIRED IN THIS MDF. PICTURE SHOWN FOR REFERENCE.

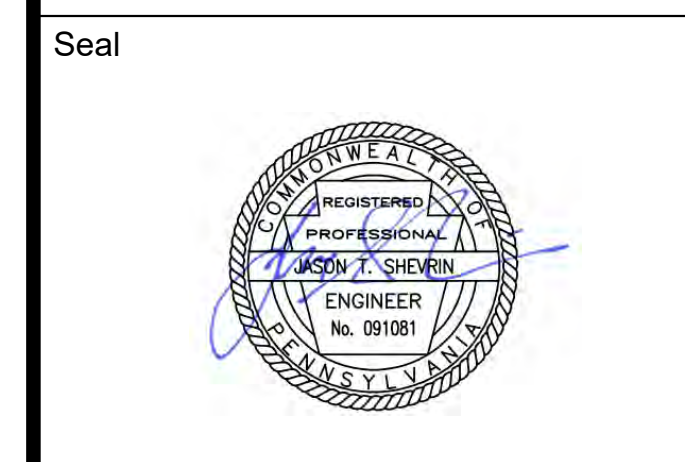
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GENERAL NOTES:

1. CONTRACTOR TO PROVIDE NEW CAT6A PATCH PANEL TO TERMINATE NEW WIRELESS ACCESS POINT DEVICES.

| CABINET C01 | | | |
|-------------|--------------------------|-------|--------------|
| RU | EQUIPMENT | # / W | DESCRIPTION |
| 1 | | | |
| 2 | | | |
| 3 | | | |
| 4 | NEW 24-PORT CAT6A PP | 24 | FOR NEW WAPS |
| 5 | NETWORK EDGE SWITCH | 48 | |
| 6 | ACTIVE NETWORK EQUIPMENT | | |
| 7 | | | |
| 8 | | | |
| 9 | ACTIVE NETWORK EQUIPMENT | | |
| 10 | | | |
| 11 | | | |
| 12 | | | |
| 13 | | | |
| 14 | ACTIVE NETWORK EQUIPMENT | | |
| 15 | | | |
| 16 | ACTIVE NETWORK EQUIPMENT | | |
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| 20 | ACTIVE NETWORK EQUIPMENT | | |
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**SPECIAL SYSTEMS
 ENLARGED PLANS 01**

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| Project Number | 128620.001 |
| Date | 2022-08-29 |
| Drawn By | TB |
| Checked By | EH |

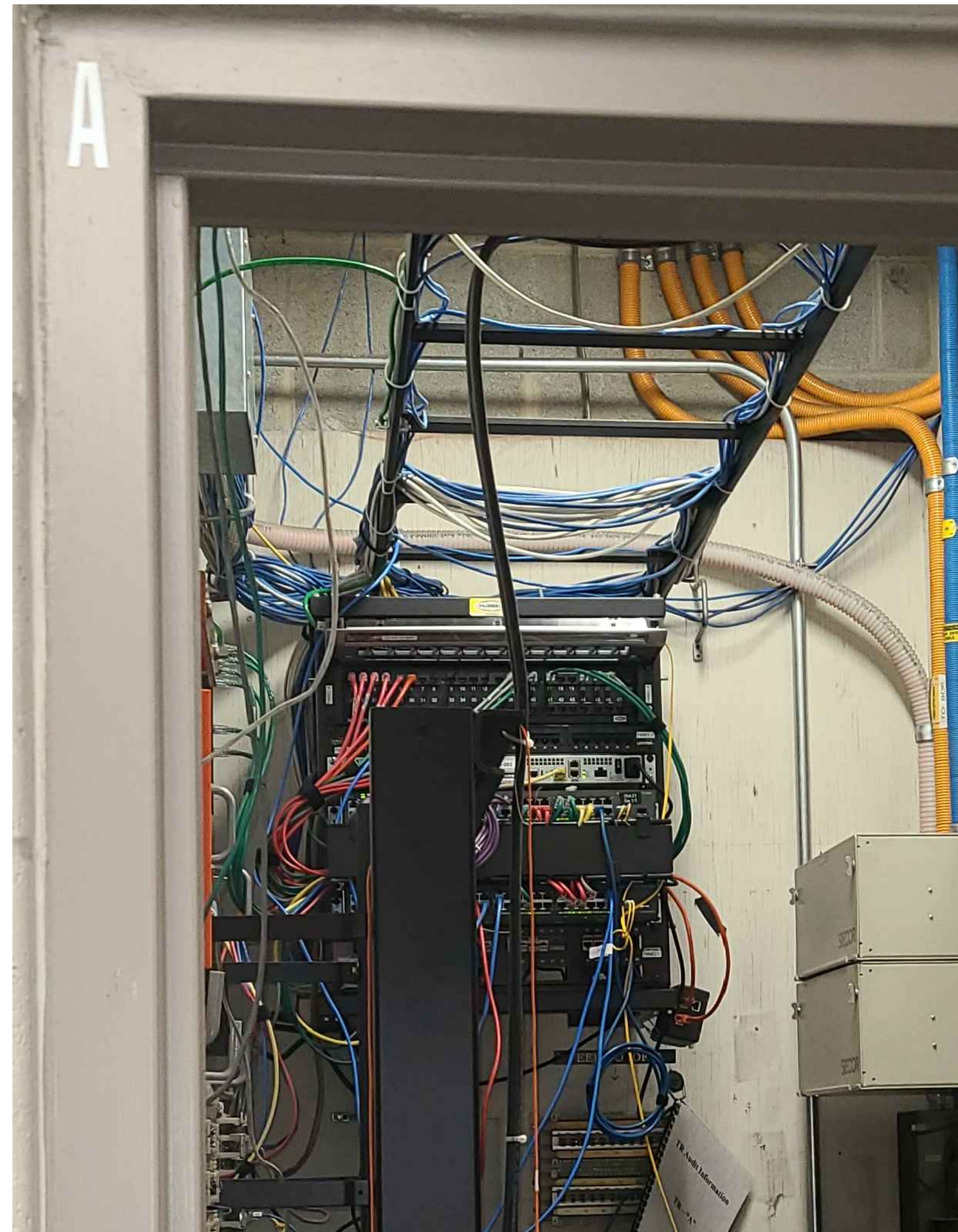
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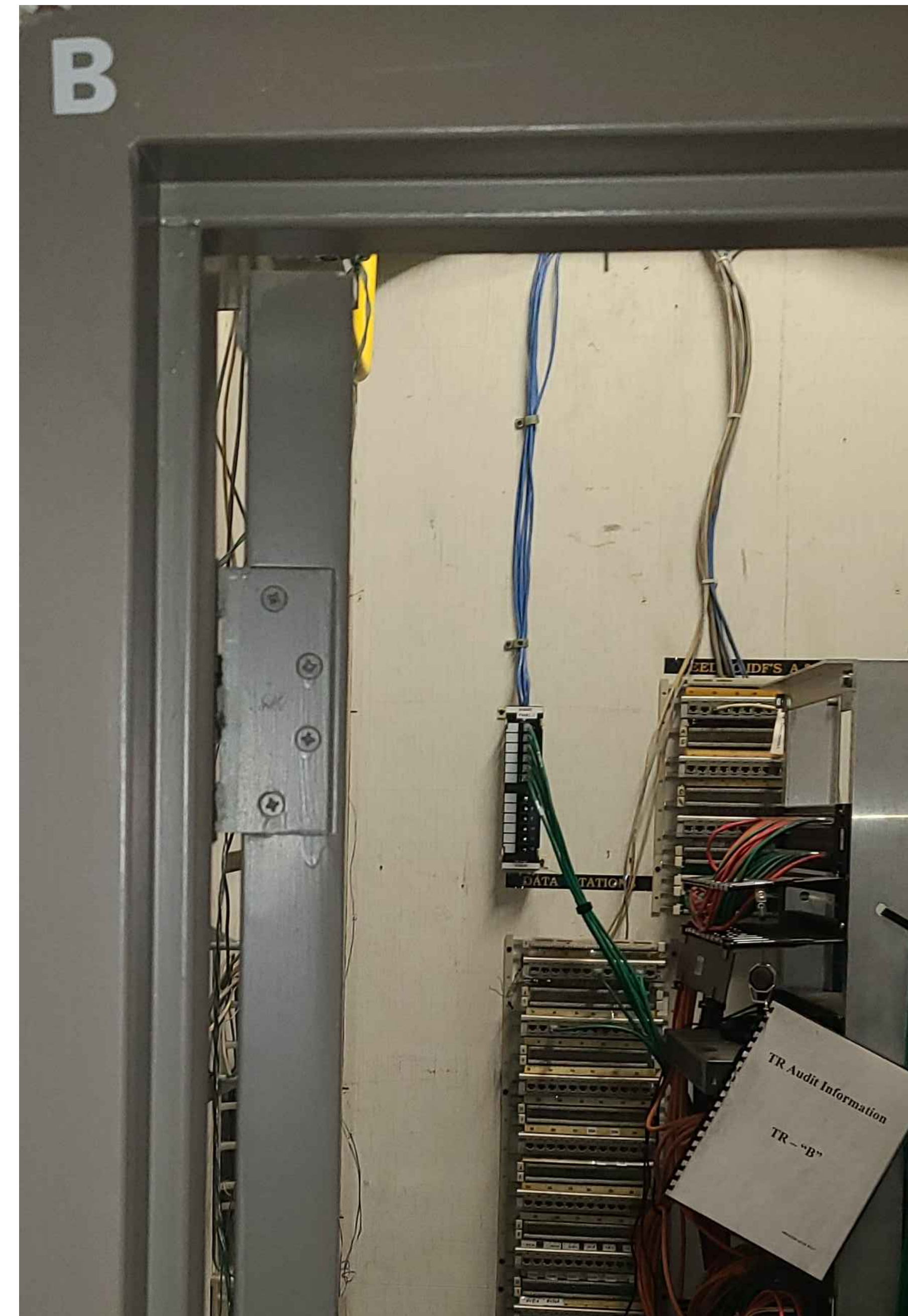


| RACK R01 | | | |
|----------|--------------------------|-------|---------------|
| RU | EQUIPMENT | # / W | DESCRIPTION |
| 1 | | | |
| 2 | | | |
| 3 | | | |
| 4 | COPPER PATCH PANEL | 48 | PATCH PANEL A |
| 5 | | | |
| 6 | | | |
| 7 | | | |
| 8 | | | |
| 9 | | | |
| 10 | ACTIVE NETWORK EQUIPMENT | | |
| 11 | ACTIVE NETWORK EQUIPMENT | | |
| 12 | ACTIVE NETWORK EQUIPMENT | | |
| 13 | ACTIVE NETWORK EQUIPMENT | | |
| 14 | ACTIVE NETWORK EQUIPMENT | | |
| 15 | | | |
| 16 | | | |
| 17 | | | |
| 18 | | | |
| 19 | | | |
| 20 | NEW 24-PORT CAT6A PP | 24 | FOR NEW WAPS |
| 21 | | | |
| 22 | | | |
| 23 | | | |
| 24 | | | |
| 25 | | | |
| 26 | | | |
| 27 | | | |
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NOTES:

- CONTRACTOR TO PROVIDE NEW 24-PORT CAT6A PATCH PANEL.
- TERMINATE NEW CAT6A CABLING TO EXISTING LOCATION OF WIFI ACCESS POINT.
- CAT6A ORANGE PATCH CABLE SHALL BE USED FOR ALL WIFI ACCESS POINT.

EXISTING RACK



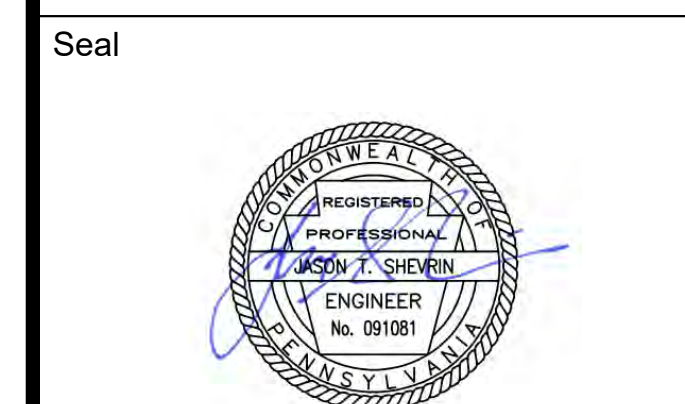
GENERAL NOTES:

- CONTRACTOR TO PROVIDE NEW CAT6A PATCH PANEL TO TERMINATE NEW WIRELESS ACCESS POINT DEVICES.

| RACK R01 | | | |
|----------|--------------------------|-------|---------------|
| RU | EQUIPMENT | # / W | DESCRIPTION |
| 1 | | | |
| 2 | | | |
| 3 | | | |
| 4 | COPPER PATCH PANEL | 48 | PATCH PANEL A |
| 5 | | | |
| 6 | | | |
| 7 | | | |
| 8 | | | |
| 9 | | | |
| 10 | ACTIVE NETWORK EQUIPMENT | | |
| 11 | ACTIVE NETWORK EQUIPMENT | | |
| 12 | ACTIVE NETWORK EQUIPMENT | | |
| 13 | ACTIVE NETWORK EQUIPMENT | | |
| 14 | ACTIVE NETWORK EQUIPMENT | | |
| 15 | | | |
| 16 | | | |
| 17 | | | |
| 18 | NETWORK EDGE SWITCH | 48 | |
| 19 | NETWORK EDGE SWITCH | 48 | |
| 20 | NEW 24-PORT CAT6A PP | 24 | FOR NEW WAPS |
| 21 | | | |
| 22 | | | |
| 23 | | | |
| 24 | | | |
| 25 | | | |
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NOTES:

- CONTRACTOR TO PROVIDE NEW 24-PORT CAT6A PATCH PANEL.
- TERMINATE NEW CAT6A CABLING TO EXISTING LOCATION OF WIFI ACCESS POINT.
- CAT6A ORANGE PATCH CABLE SHALL BE USED FOR ALL WIFI ACCESS POINT.



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AUTHORITY (PCCA)

**SPECIAL SYSTEMS
ENLARGED PLANS 02**

Project Number 128620.001

Date 2022-08-29

Drawn By TB

Checked By EH

SS4.002

Scale AS NOTED

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GENERAL NOTES:

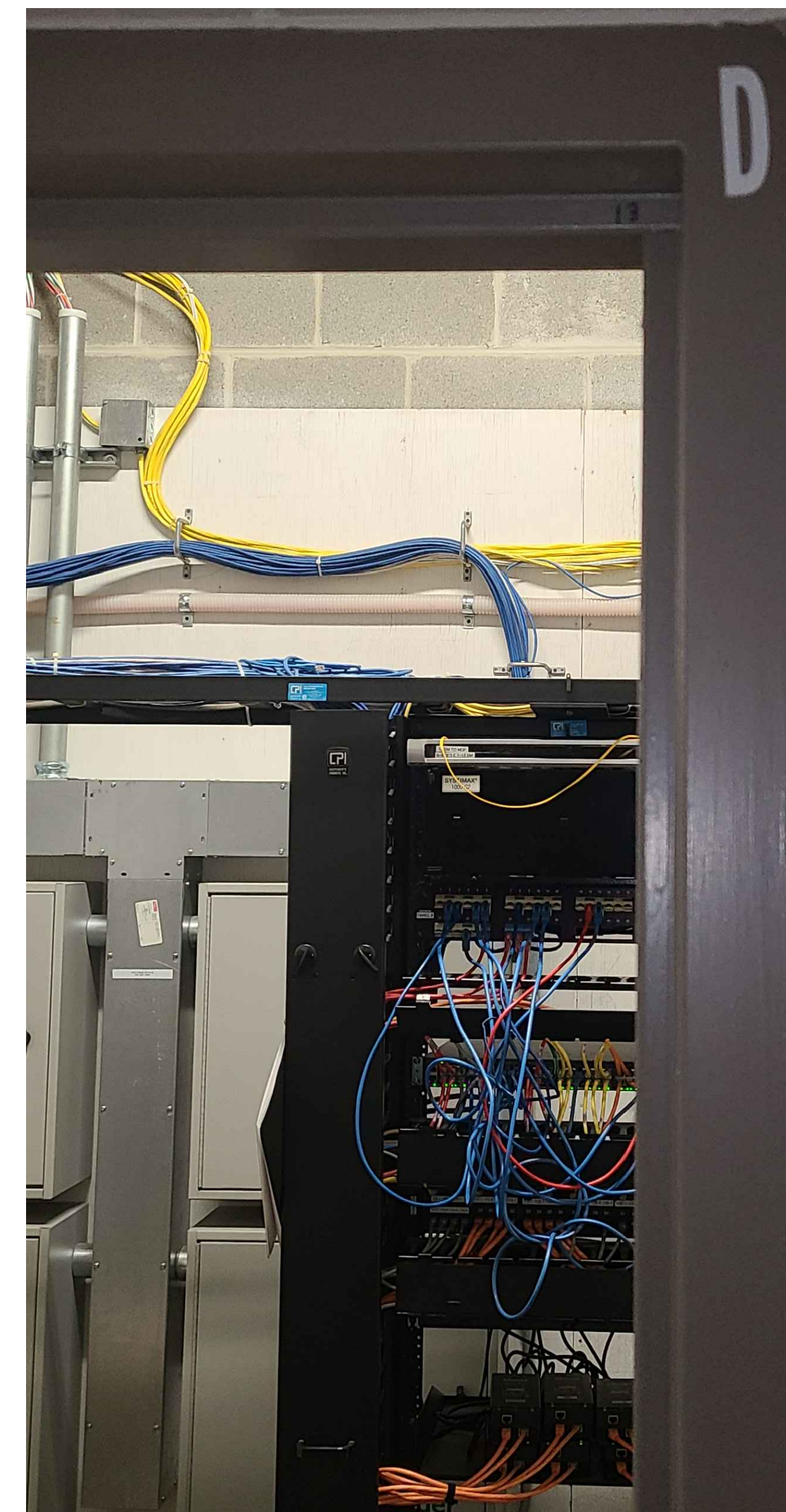
- CONTRACTOR TO PROVIDE NEW CAT6A PATCH PANEL TO TERMINATE NEW WIRELESS ACCESS POINT DEVICES.

| RACK R01 | | | |
|----------|--------------------------|-------|---------------|
| RU | EQUIPMENT | # / W | DESCRIPTION |
| 1 | ACTIVE NETWORK EQUIPMENT | | |
| 2 | | | |
| 3 | ACTIVE NETWORK EQUIPMENT | | |
| 4 | | | |
| 5 | | | |
| 6 | COPPER PATCH PANEL | 48 | PATCH PANEL A |
| 7 | | | |
| 8 | CABLE MANAGEMENT | | |
| 9 | | | |
| 10 | | | |
| 11 | COPPER PATCH PANEL | 48 | PATCH PANEL B |
| 12 | | | |
| 13 | CABLE MANAGEMENT | | |
| 14 | | | |
| 15 | | | |
| 16 | COPPER PATCH PANEL | 48 | PATCH PANEL C |
| 17 | | | |
| 18 | CABLE MANAGEMENT | | |
| 19 | | | |
| 20 | | | |
| 21 | ACTIVE NETWORK EQUIPMENT | | |
| 22 | | | |
| 23 | CABLE MANAGEMENT | | |
| 24 | | | |
| 25 | | | |
| 26 | NETWORK EDGE SWITCH | 48 | |
| 27 | CABLE MANAGEMENT | | |
| 28 | | | |
| 29 | NEW 24-PORT CAT6A PP | 24 | FOR NEW WAPS |
| 30 | | | |
| 31 | | | |
| 32 | | | |
| 33 | | | |
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NOTES:

- CONTRACTOR TO PROVIDE NEW 24-PORT CAT6A PATCH PANEL.
- TERMINATE NEW CAT6A CABLING TO EXISTING LOCATION OF WIFI ACCESS POINT.
- CAT6A ORANGE PATCH CABLE SHALL BE USED FOR ALL WIFI ACCESS POINT.

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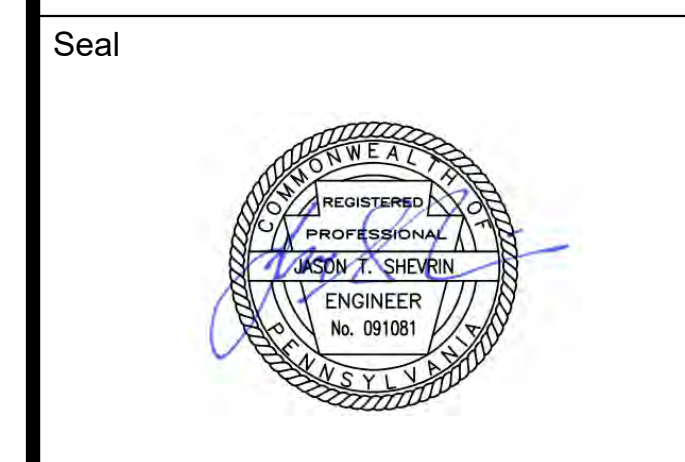
GENERAL NOTES:

- CONTRACTOR TO PROVIDE NEW CAT6A PATCH PANEL TO TERMINATE NEW WIRELESS ACCESS POINT DEVICES.

| RACK R01 | | | |
|----------|--------------------------|-------|--------------------|
| RU | EQUIPMENT | # / W | DESCRIPTION |
| 1 | ACTIVE NETWORK EQUIPMENT | | DESCRIPTION TO MDF |
| 2 | | | |
| 3 | ACTIVE NETWORK EQUIPMENT | | |
| 4 | | | |
| 5 | | | |
| 6 | | | |
| 7 | COPPER PATCH PANEL | 48 | PATCH PANEL A |
| 8 | | | |
| 9 | | | |
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| 12 | | | |
| 13 | | | |
| 14 | | | |
| 15 | NETWORK EDGE SWITCH | 48 | |
| 16 | NEW 24-PORT CAT6A PP | 24 | FOR NEW WAPS |
| 17 | | | |
| 18 | CABLE MANAGEMENT | | |
| 19 | | | |
| 20 | COPPER PATCH PANEL | 48 | PATCH PANEL B |
| 21 | | | |
| 22 | CABLE MANAGEMENT | | |
| 23 | ACTIVE NETWORK EQUIPMENT | | |
| 24 | | | |
| 25 | | | |
| 26 | ACTIVE NETWORK EQUIPMENT | | |
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NOTES:

- CONTRACTOR TO PROVIDE NEW 24-PORT CAT6A PATCH PANEL.
- TERMINATE NEW CAT6A CABLING TO EXISTING LOCATION OF WIFI ACCESS POINT.
- CAT6A ORANGE PATCH CABLE SHALL BE USED FOR ALL WIFI ACCESS POINT.



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PCCA WiFi UPGRADES
1101 ARCH STREET
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CONVENTION CENTER
AUTHORITY (PCCA)

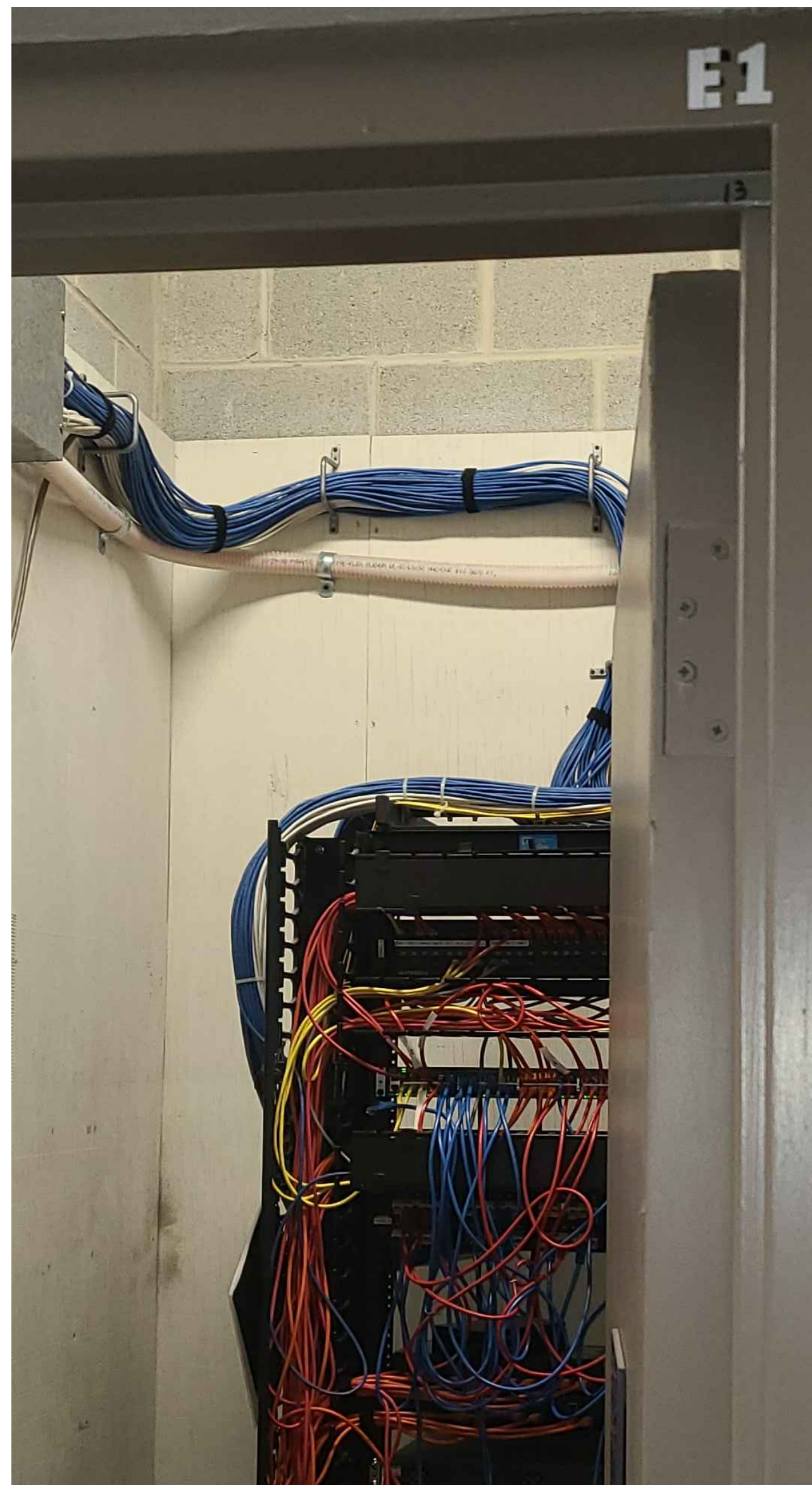
SPECIAL SYSTEMS ENLARGED PLANS 03

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| Project Number | 128620.001 |
| Date | 2022-08-29 |
| Drawn By | TB |
| Checked By | EH |
| 554.003 | |
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EXISTING RACK



GENERAL NOTES:

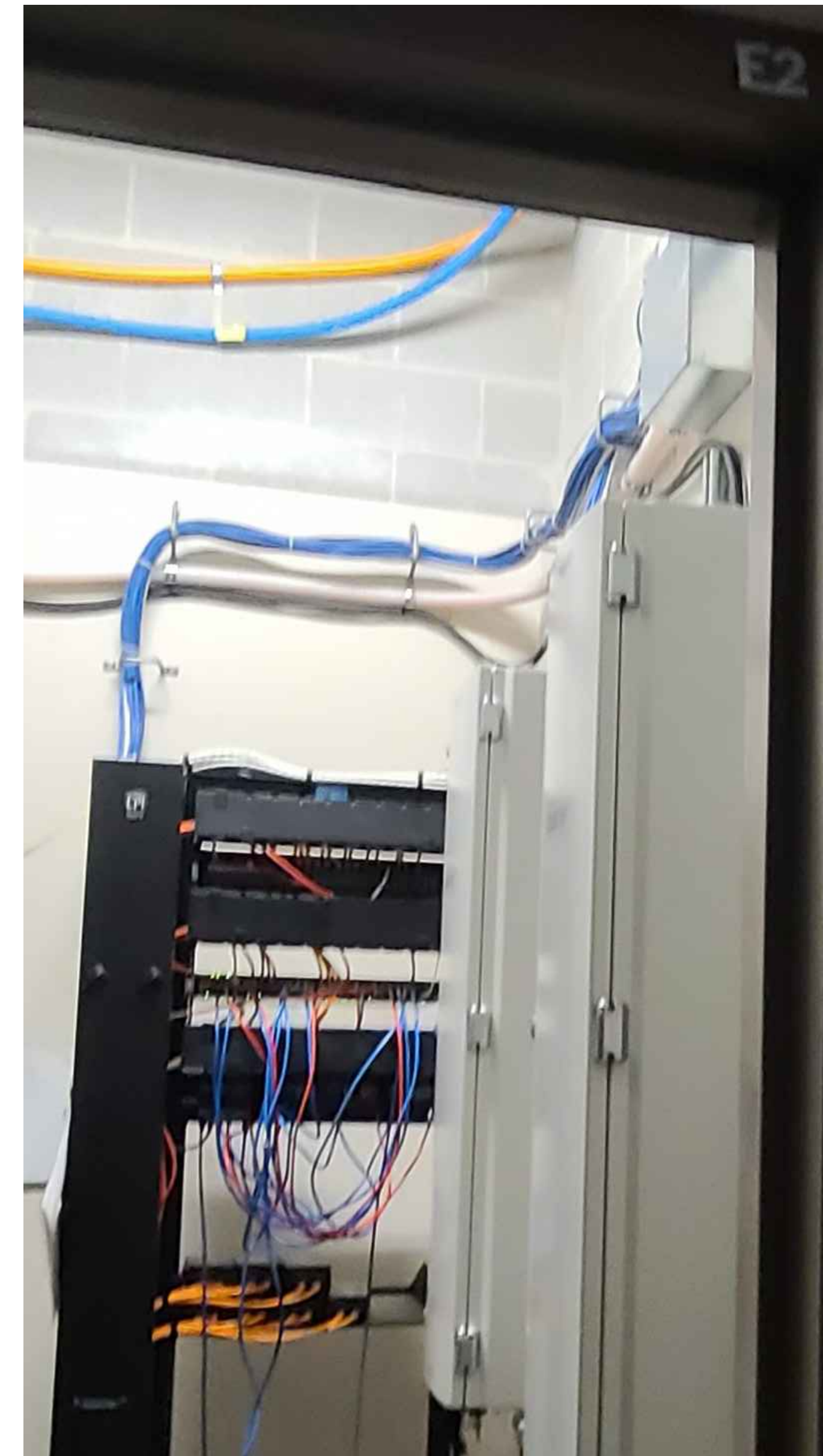
- CONTRACTOR TO PROVIDE NEW CAT6A PATCH PANEL TO TERMINATE NEW WIRELESS ACCESS POINT DEVICES.

| RACK R01 | | | |
|----------|-----------------------------|-----------|---------------------|
| RU | EQUIPMENT | # / W | DESCRIPTION |
| 1 | | | |
| 2 | CABLE MANAGEMENT | | |
| 3 | COPPER PATCH PANEL | 48 | PATCH PANEL A |
| 4 | | | |
| 5 | | | |
| 6 | | | |
| 7 | | | |
| 8 | NETWORK EDGE SWITCH | 48 | |
| 9 | NEW 24-PORT CAT6A PP | 24 | FOR NEW WAPS |
| 10 | CABLE MANAGEMENT | | |
| 11 | | | |
| 12 | COPPER PATCH PANEL | 48 | PATCH PANEL B |
| 13 | | | |
| 14 | | | |
| 15 | | | |
| 16 | | | |
| 17 | | | |
| 18 | ACTIVE NETWORK EQUIPMENT | | |
| 19 | | | |
| 20 | | | |
| 21 | ACTIVE NETWORK EQUIPMENT | | |
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| 24 | | | |
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NOTES:

- CONTRACTOR TO PROVIDE NEW 24-PORT CAT6A PATCH PANEL.
- TERMINATE NEW CAT6A CABLING TO EXISTING LOCATION OF WIFI ACCESS POINT.
- CAT6A ORANGE PATCH CABLE SHALL BE USED FOR ALL WIFI ACCESS POINT.

EXISTING RACK



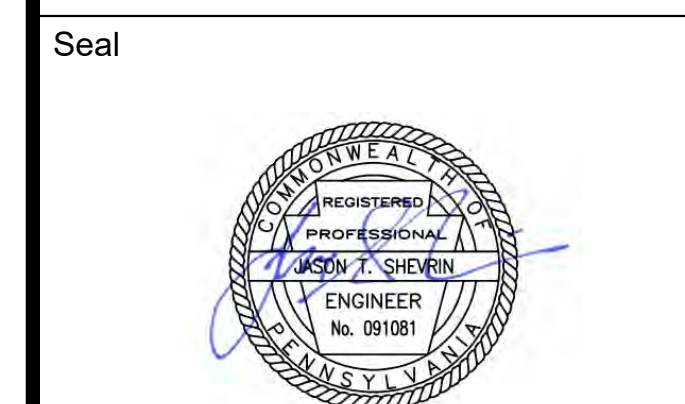
GENERAL NOTES:

- CONTRACTOR TO PROVIDE NEW CAT6A PATCH PANEL TO TERMINATE NEW WIRELESS ACCESS POINT DEVICES.

| RACK R01 | | | |
|----------|-----------------------------|-----------|---------------------|
| RU | EQUIPMENT | # / W | DESCRIPTION |
| 1 | | | |
| 2 | | | |
| 3 | CABLE MANAGEMENT | | |
| 4 | COPPER PATCH PANEL | 48 | PATCH PANEL A |
| 5 | | | |
| 6 | CABLE MANAGEMENT | | |
| 7 | | | |
| 8 | | | |
| 9 | | | |
| 10 | NETWORK EDGE SWITCH | 48 | |
| 11 | NEW 24-PORT CAT6A PP | 24 | FOR NEW WAPS |
| 12 | CABLE MANAGEMENT | | |
| 13 | | | |
| 14 | COPPER PATCH PANEL | 48 | PATCH PANEL B |
| 15 | | | |
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| 20 | | | |
| 21 | | | |
| 22 | ACTIVE NETWORK EQUIPMENT | | |
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NOTES:

- CONTRACTOR TO PROVIDE NEW 24-PORT CAT6A PATCH PANEL.
- TERMINATE NEW CAT6A CABLING TO EXISTING LOCATION OF WIFI ACCESS POINT.
- CAT6A ORANGE PATCH CABLE SHALL BE USED FOR ALL WIFI ACCESS POINT.



Revisions:

| NO. | DESCRIPTION | DATE |
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PCCA WiFi UPGRADES
1101 ARCH STREET
PHILADELPHIA, PA 19107
PENNSYLVANIA
CONVENTION CENTER
AUTHORITY (PCCA)

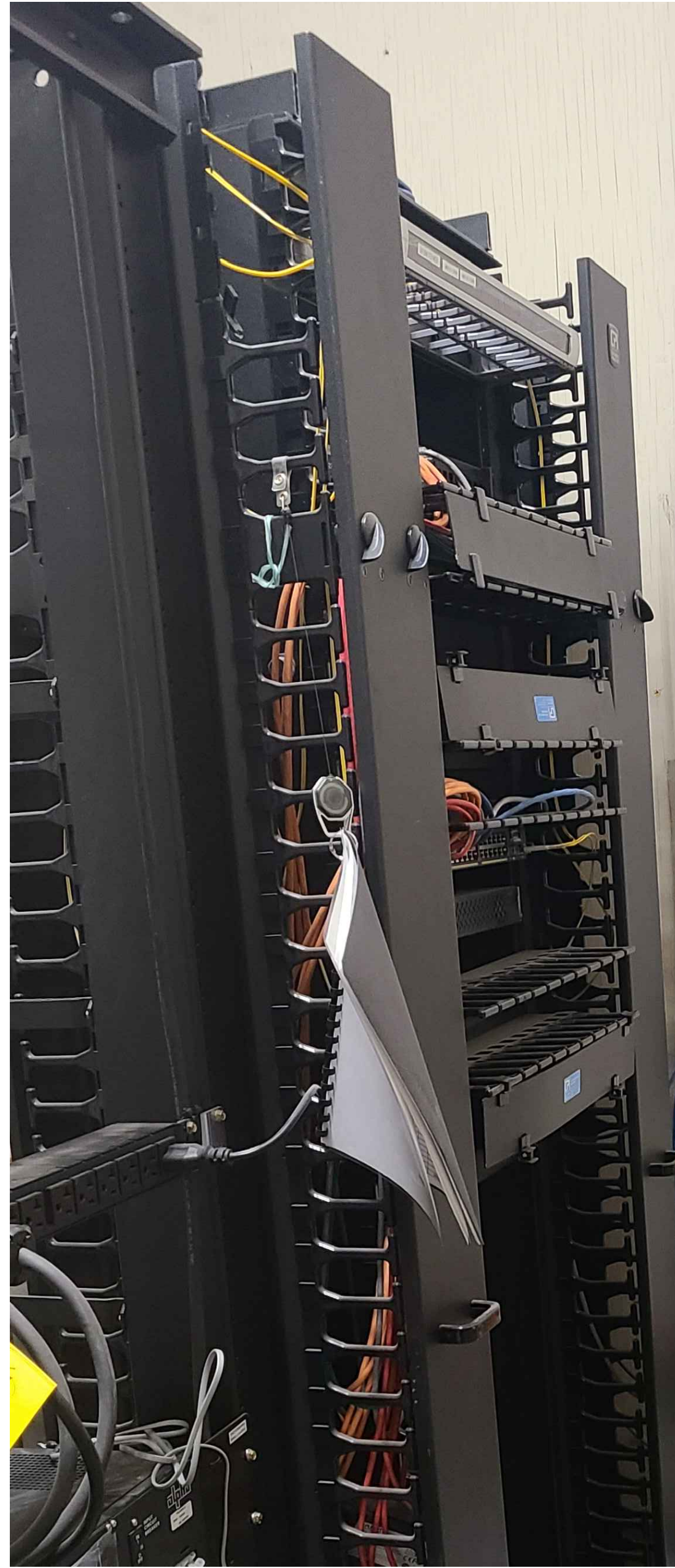
SPECIAL SYSTEMS ENLARGED PLANS 04

| | |
|----------------|------------|
| Project Number | 128620.001 |
| Date | 2022-08-29 |
| Drawn By | TB |
| Checked By | EH |
| SS4.004 | |
| Scale | AS NOTED |

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EXISTING RACK



GENERAL NOTES:

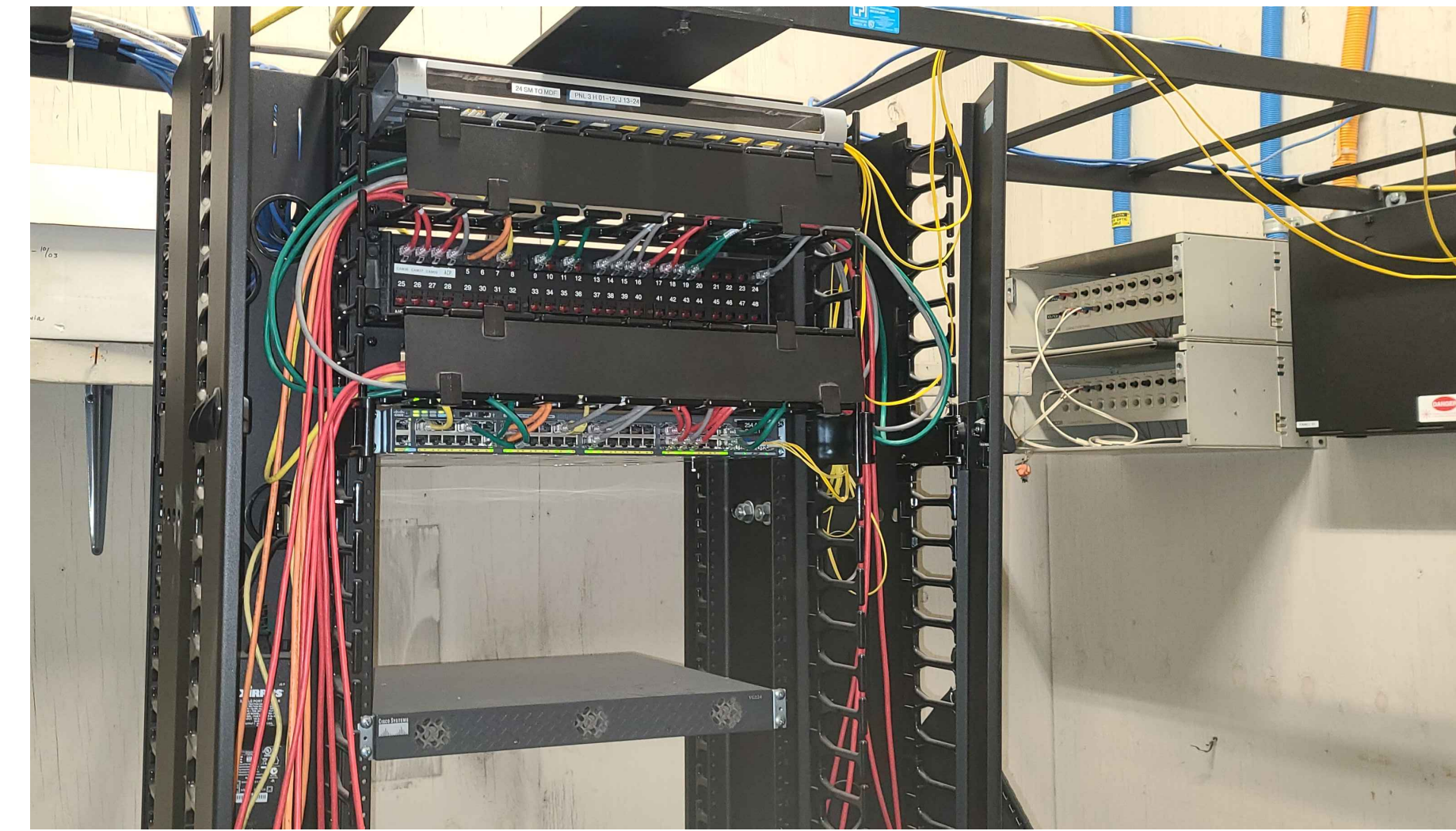
1. CONTRACTOR TO PROVIDE NEW CAT6A PATCH PANEL TO TERMINATE NEW WIRELESS ACCESS POINT DEVICES.

| CABINET C01/RACK R01 | | | |
|----------------------|--------------------------|-------|--------------|
| RU | EQUIPMENT | # / W | DESCRIPTION |
| 1 | | | |
| 2 | ACTIVE NETWORK EQUIPMENT | | 24 SM TO MDF |
| 3 | | | |
| 4 | | | |
| 5 | COPPER PATCH PANEL | 48 | |
| 6 | | | |
| 7 | CABLE MANAGEMENT | | |
| 8 | | | |
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| 10 | | | |
| 11 | CABLE MANAGEMENT | | |
| 12 | | | |
| 13 | | | |
| 14 | | | |
| 15 | NETWORK EDGE SWITCH | 48 | |
| 16 | NEW 24-PORT CAT6A PP | 24 | FOR NEW WAPS |
| 17 | ACTIVE NETWORK EQUIPMENT | | |
| 18 | | | |
| 19 | | | |
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| 21 | CABLE MANAGEMENT | | |
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NOTES:

1. CONTRACTOR TO PROVIDE NEW 24-PORT CAT6A PATCH PANEL.
2. TERMINATE NEW CAT6A CABLE TO EXISTING LOCATION OF WIFI ACCESS POINT.
3. CAT6A ORANGE PATCH CABLE SHALL BE USED FOR ALL WIFI ACCESS POINT.

EXISTING RACK



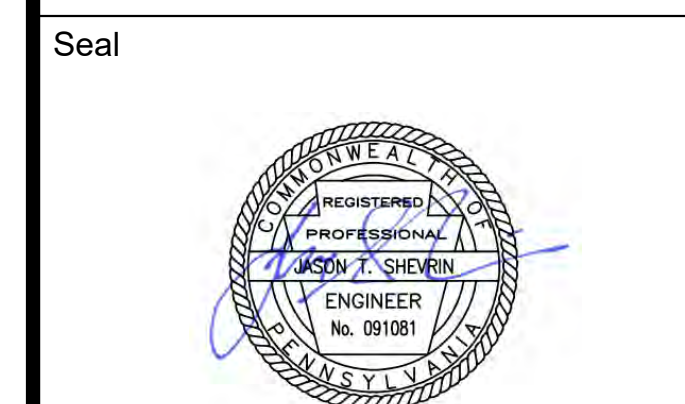
GENERAL NOTES:

1. CONTRACTOR TO PROVIDE NEW CAT6A PATCH PANEL TO TERMINATE NEW WIRELESS ACCESS POINT DEVICES.

| RACK R01 | | | |
|----------|--------------------------|-------|--------------|
| RU | EQUIPMENT | # / W | DESCRIPTION |
| 1 | ACTIVE NETWORK EQUIPMENT | | 24 SM TO MDF |
| 2 | CABLE MANAGEMENT | | |
| 3 | | | |
| 4 | COPPER PATCH PANEL | 48 | |
| 5 | | | |
| 6 | CABLE MANAGEMENT | | |
| 7 | | | |
| 8 | NETWORK EDGE SWITCH | 48 | |
| 9 | NEW 24-PORT CAT6A PP | 24 | FOR NEW WAPS |
| 10 | | | |
| 11 | | | |
| 12 | | | |
| 13 | | | |
| 14 | | | |
| 15 | ACTIVE NETWORK EQUIPMENT | | |
| 16 | | | |
| 17 | | | |
| 18 | | | |
| 19 | | | |
| 20 | | | |
| 21 | CABLE MANAGEMENT | | |
| 22 | | | |
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NOTES:

1. CONTRACTOR TO PROVIDE NEW 24-PORT CAT6A PATCH PANEL.
2. TERMINATE NEW CAT6A CABLE TO EXISTING LOCATION OF WIFI ACCESS POINT.
3. CAT6A ORANGE PATCH CABLE SHALL BE USED FOR ALL WIFI ACCESS POINT.



Revisions:

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PCCA WiFi UPGRADES
1101 ARCH STREET
PHILADELPHIA, PA 19107
PENNSYLVANIA
CONVENTION CENTER
AUTHORITY (PCCA)

SPECIAL SYSTEMS ENLARGED PLANS 05

| | |
|----------------|------------|
| Project Number | 128620.001 |
| Date | 2022-08-29 |
| Drawn By | TB |
| Checked By | EH |
| SS4.005 | |
| Scale | AS NOTED |

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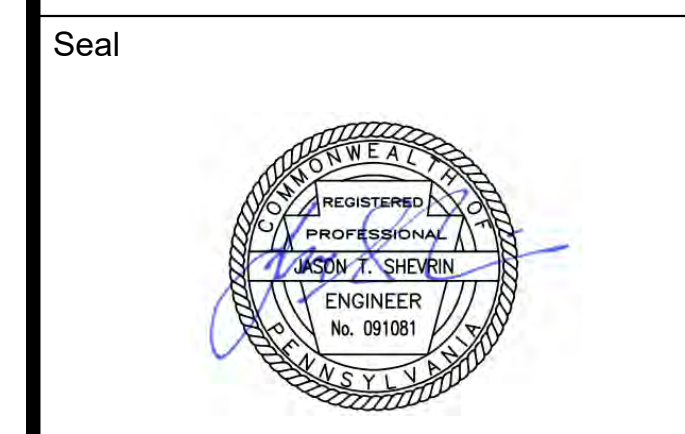
Architect

Civil Engineer

Structural Engineer



Key Plan



Revisions:

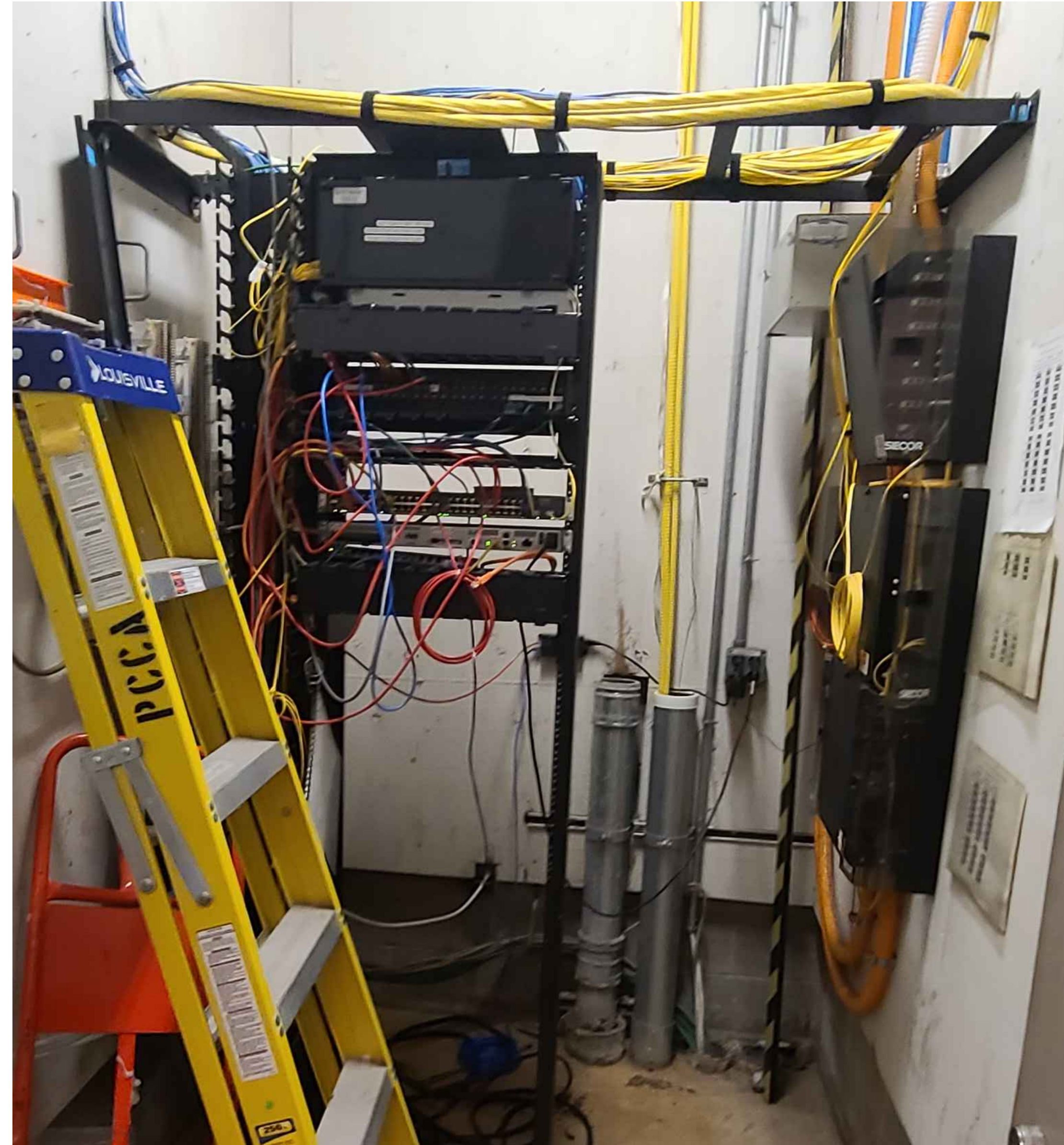
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PCCA WiFi UPGRADES
 1101 ARCH STREET
 PHILADELPHIA, PA 19107
 PENNSYLVANIA
 CONVENTION CENTER
 AUTHORITY (PCCA)

**SPECIAL SYSTEMS
 ENLARGED PLANS 06**

| | |
|----------------|------------|
| Project Number | 128620.001 |
| Date | 2022-08-29 |
| Drawn By | TB |
| Checked By | EH |
| SS4.006 | |
| Scale | AS NOTED |

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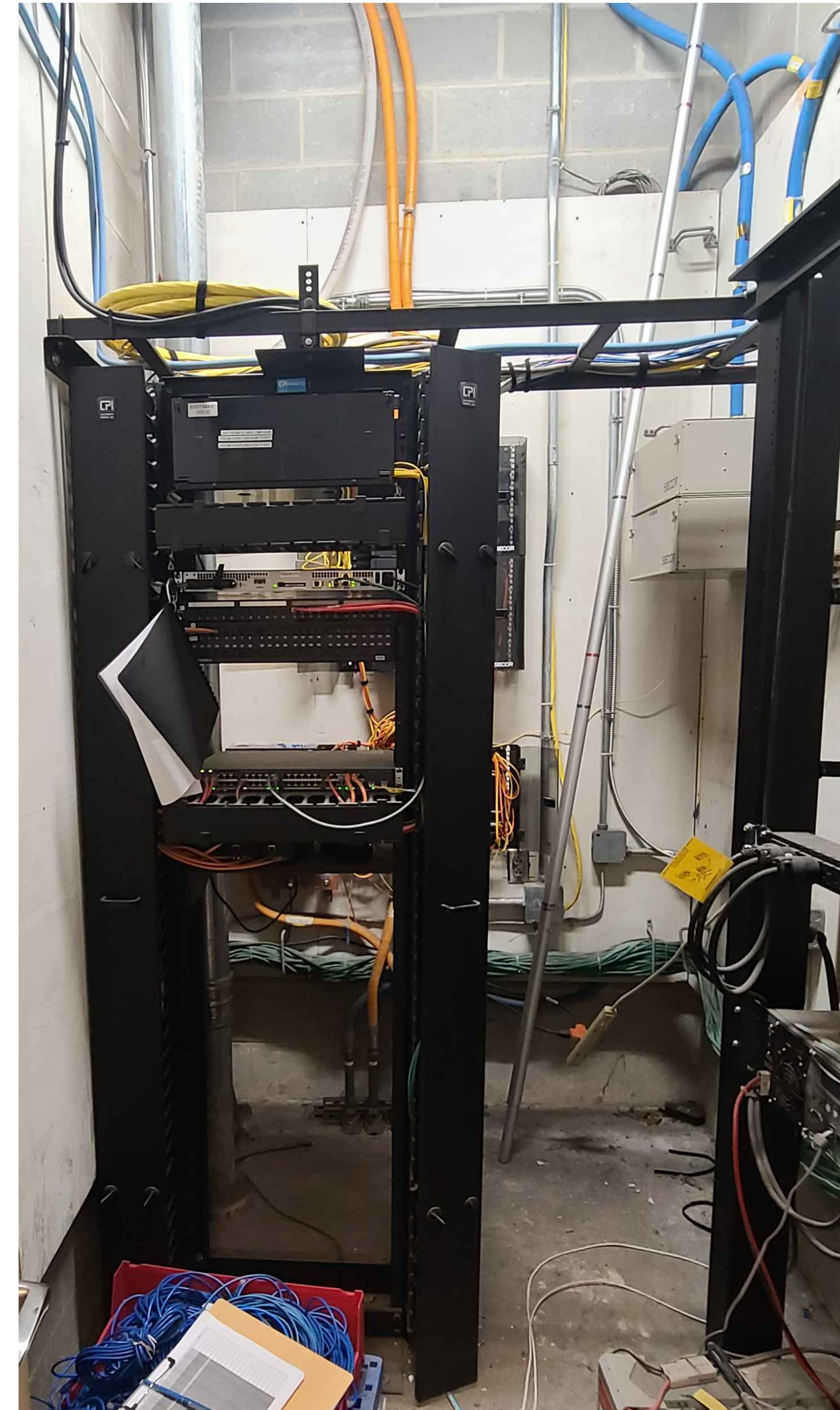


GENERAL NOTES:
 1. CONTRACTOR TO PROVIDE NEW CAT6A PATCH PANEL TO TERMINATE NEW WIRELESS ACCESS POINT DEVICES.

| RACK R01 | | | |
|----------|--------------------------|-------|--|
| RU | EQUIPMENT | # / W | DESCRIPTION |
| 1 | | | |
| 2 | | | |
| 3 | ACTIVE NETWORK EQUIPMENT | | A-F 72 5M TO MDF CAN 4-A-F G 6 5M TO AB1 AND 6 5M TO AB2 H 6 5M TO AB3 AND 6 5M TO AB4 |
| 4 | | | |
| 5 | | | |
| 6 | CABLE MANAGEMENT | | |
| 7 | | | |
| 8 | COPPER PATCH PANEL | 48 | |
| 9 | | | |
| 10 | CABLE MANAGEMENT | | |
| 11 | | | |
| 12 | | | |
| 13 | NETWORK EDGE SWITCH | 48 | |
| 14 | ACTIVE NETWORK EQUIPMENT | | |
| 15 | NETWORK EDGE SWITCH | 16 | |
| 16 | CABLE MANAGEMENT | | |
| 17 | | | |
| 18 | NEW 24-PORT CAT6A PP | 24 | FOR NEW WAPS |
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NOTES:
 1. CONTRACTOR TO PROVIDE NEW 24-PORT CAT6A PATCH PANEL.
 2. TERMINATE NEW CAT6A CABLING TO EXISTING LOCATION OF WIFI ACCESS POINT.
 3. CAT6A ORANGE PATCH CABLE SHALL BE USED FOR ALL WIFI ACCESS POINT.

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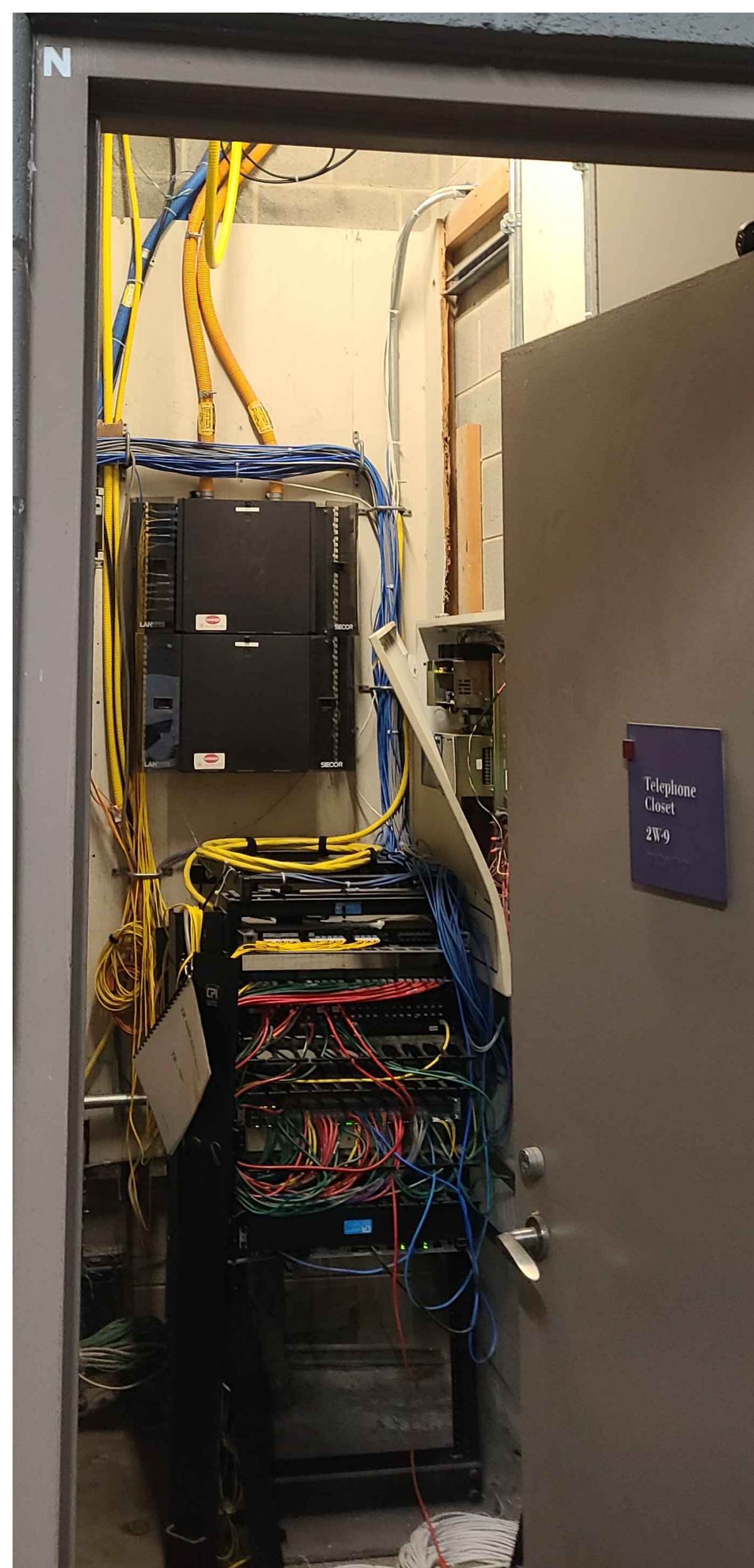


GENERAL NOTES:
 1. NO WORK IS REQUIRED IN THIS IDF. PICTURE SHOWN FOR REFERENCE.

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GENERAL NOTES:

- CONTRACTOR TO PROVIDE NEW CAT6A PATCH PANEL TO TERMINATE NEW WIRELESS ACCESS POINT DEVICES.

| RACK R01 | | | |
|----------|--------------------------|-------|---------------|
| RU | EQUIPMENT | # / W | DESCRIPTION |
| 1 | | | |
| 2 | ACTIVE NETWORK EQUIPMENT | | |
| 3 | | | |
| 4 | COPPER PATCH PANEL | 24 | PATCH PANEL A |
| 5 | COPPER PATCH PANEL | 48 | PATCH PANEL B |
| 6 | | | |
| 7 | CABLE MANAGEMENT | | |
| 8 | | | |
| 9 | ACTIVE NETWORK EQUIPMENT | | |
| 10 | NETWORK EDGE SWITCH | 48 | |
| 11 | NEW 24-PORT CAT6A PP | 24 | FOR NEW WAPS |
| 12 | | | |
| 13 | CABLE MANAGEMENT | | |
| 14 | | | |
| 15 | CABLE MANAGEMENT | | |
| 16 | ACTIVE NETWORK EQUIPMENT | | |
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NOTES:

- CONTRACTOR TO PROVIDE NEW 24-PORT CAT6A PATCH PANEL.
- TERMINATE NEW CAT6A CABLING TO EXISTING LOCATION OF WIFI ACCESS POINT.
- CAT6A ORANGE PATCH CABLE SHALL BE USED FOR ALL WIFI ACCESS POINT.

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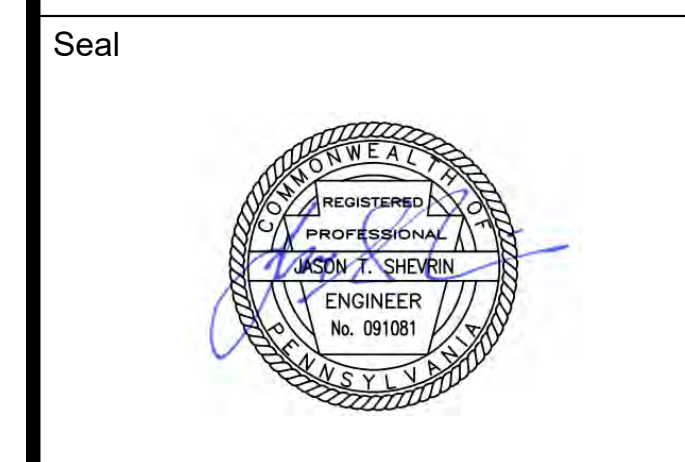
GENERAL NOTES:

- CONTRACTOR TO PROVIDE NEW CAT6A PATCH PANEL TO TERMINATE NEW WIRELESS ACCESS POINT DEVICES.

| RACK R01 | | | |
|----------|--------------------------|-------|--------------------|
| RU | EQUIPMENT | # / W | DESCRIPTION |
| 1 | | | |
| 2 | | | |
| 3 | ACTIVE NETWORK EQUIPMENT | | PANEL A 1-24 TO EE |
| 4 | | | |
| 5 | | | |
| 6 | CABLE MANAGEMENT | | |
| 7 | | | |
| 8 | COPPER PATCH PANEL | 48 | PATCH PANEL B |
| 9 | | | |
| 10 | | | |
| 11 | | | |
| 12 | ACTIVE NETWORK EQUIPMENT | | |
| 13 | ACTIVE NETWORK EQUIPMENT | | |
| 14 | | | |
| 15 | NETWORK EDGE SWITCH | 48 | |
| 16 | NEW 24-PORT CAT6A PP | 24 | FOR NEW WAPS |
| 17 | | | |
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| 20 | CABLE MANAGEMENT | | |
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NOTES:

- CONTRACTOR TO PROVIDE NEW 24-PORT CAT6A PATCH PANEL.
- TERMINATE NEW CAT6A CABLING TO EXISTING LOCATION OF WIFI ACCESS POINT.
- CAT6A ORANGE PATCH CABLE SHALL BE USED FOR ALL WIFI ACCESS POINT.



Revisions:

| NO. | DESCRIPTION | DATE |
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PCCA WiFi UPGRADES
1101 ARCH STREET
PHILADELPHIA, PA. 19107
PENNSYLVANIA
CONVENTION CENTER
AUTHORITY (PCCA)

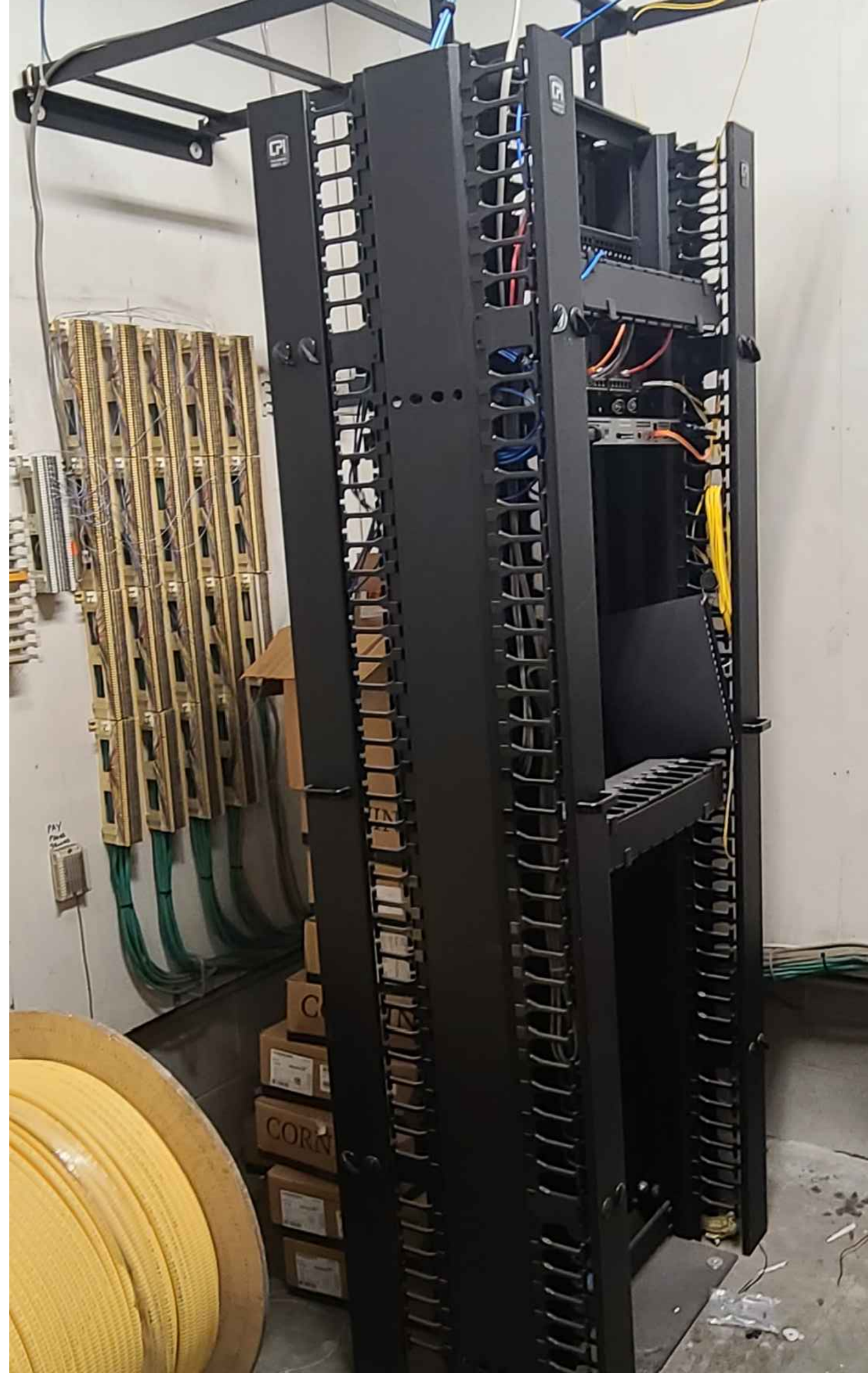
SPECIAL SYSTEMS ENLARGED PLANS 07

| | |
|----------------|------------|
| Project Number | 128620.001 |
| Date | 2022-08-29 |
| Drawn By | TB |
| Checked By | EH |
| SS4.007 | |
| Scale | AS NOTED |

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GENERAL NOTES:

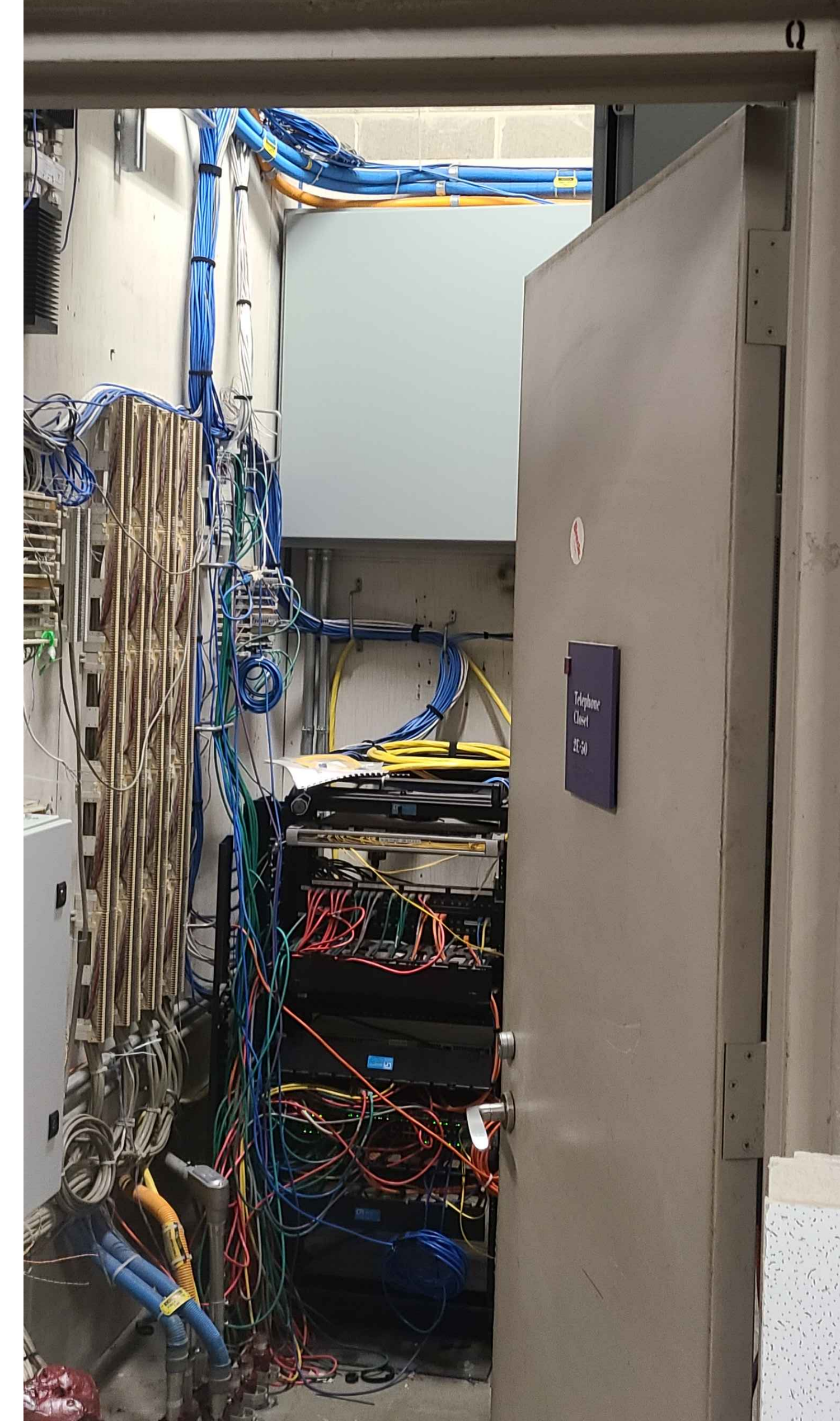
- CONTRACTOR TO PROVIDE NEW CAT6A PATCH PANEL TO TERMINATE NEW WIRELESS ACCESS POINT DEVICES.

| RACK R01 | | | |
|----------|--------------------------|-------|---------------|
| RU | EQUIPMENT | # / W | DESCRIPTION |
| 1 | | | |
| 2 | | | |
| 3 | | | |
| 4 | COPPER PATCH PANEL | 48 | PATCH PANEL B |
| 5 | | | |
| 6 | CABLE MANAGEMENT | | |
| 7 | | | |
| 8 | | | |
| 9 | NETWORK EDGE SWITCH | 48 | |
| 10 | NEW 24-PORT CAT6A PP | 24 | FOR NEW WAPS |
| 11 | ACTIVE NETWORK EQUIPMENT | | |
| 12 | | | |
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| 25 | CABLE MANAGEMENT | | |
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NOTES:

- CONTRACTOR TO PROVIDE NEW 48-PORT CAT6A PATCH PANEL.
- TERMINATE NEW CAT6A CABLING TO EXISTING LOCATION OF WIFI ACCESS POINT.
- CAT6A ORANGE PATCH CABLE SHALL BE USED FOR ALL WIFI ACCESS POINT.

EXISTING RACK



GENERAL NOTES:

- NO WORK IS REQUIRED IN THIS IDF. PICTURE SHOWN FOR REFERENCE.

MEP / FP Engineer



ARORA ENGINEERS, INC.
1600 MARKET STREET, SUITE 1630
PHILADELPHIA, PA. 19103
215.372.1365

Architect

Civil Engineer

Structural Engineer



Key Plan

Seal



Revisions:

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PCCA WiFi UPGRADES

1101 ARCH STREET
PHILADELPHIA, PA. 19107
PENNSYLVANIA
CONVENTION CENTER
AUTHORITY (PCCA)

SPECIAL SYSTEMS
ENLARGED PLANS 08

| | |
|----------------|------------|
| Project Number | 128620.001 |
| Date | 2022-08-29 |
| Drawn By | TB |
| Checked By | EH |

SS4.008

Scale AS NOTED

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GENERAL NOTES:

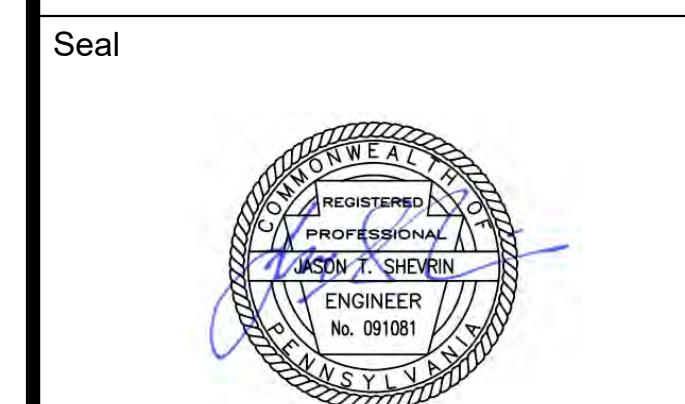
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GENERAL NOTES:

1. NO WORK IS REQUIRED IN THIS IDF. PICTURE SHOWN FOR REFERENCE.



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PCCA WiFi UPGRADES
 1101 ARCH STREET
 PHILADELPHIA, PA. 19107
 PENNSYLVANIA
 CONVENTION CENTER
 AUTHORITY (PCCA)

**SPECIAL SYSTEMS
 ENLARGED PLANS 09**

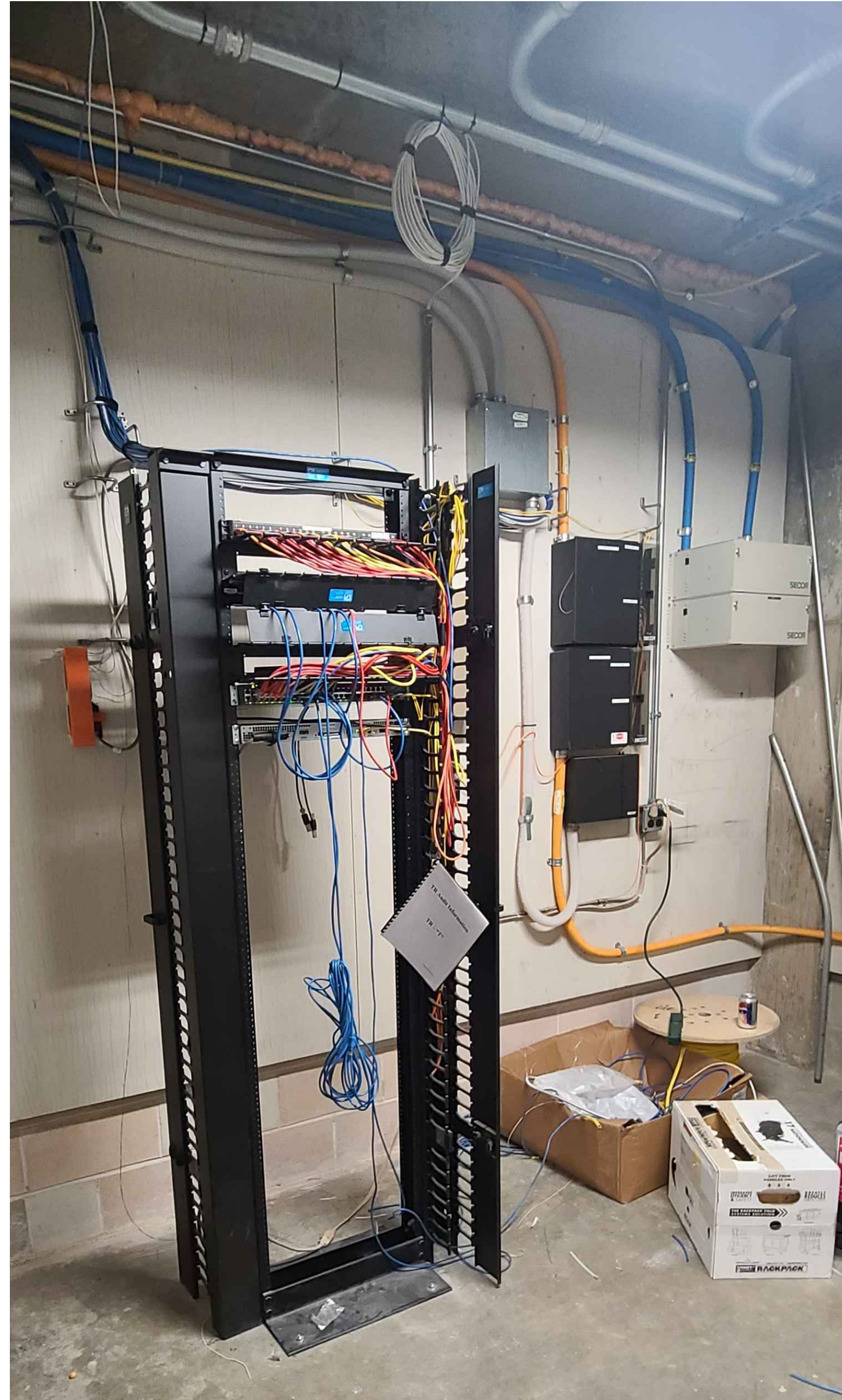
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| Project Number | 128620.001 |
| Date | 2022-08-29 |
| Drawn By | TB |
| Checked By | EH |

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 Scale AS NOTED

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EXISTING RACK



GENERAL NOTES:

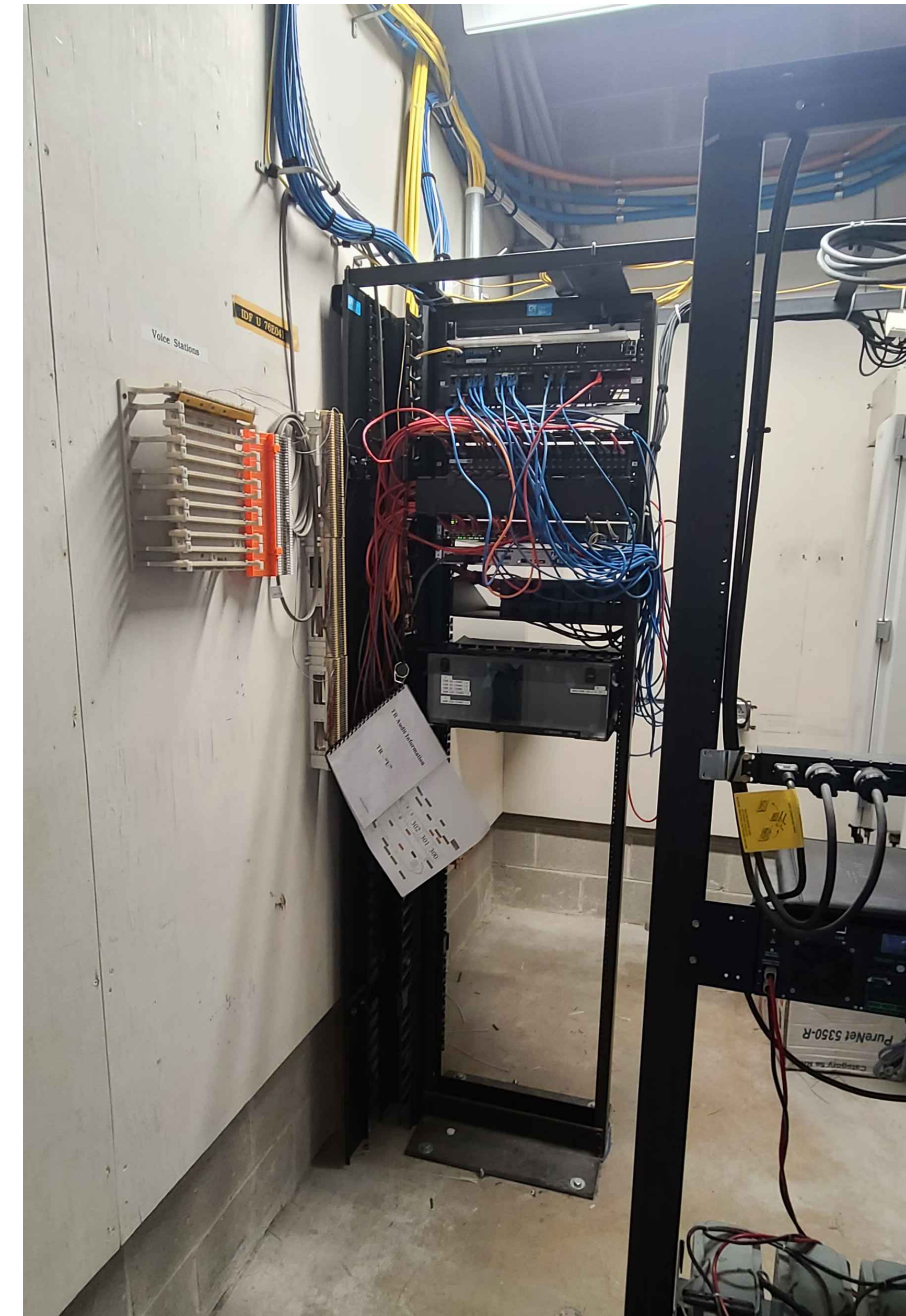
- CONTRACTOR TO PROVIDE NEW CAT6A PATCH PANEL TO TERMINATE NEW WIRELESS ACCESS POINT DEVICES.

| RACK R01 | | | |
|----------|--------------------------|-------|---------------|
| RU | EQUIPMENT | # / W | DESCRIPTION |
| 1 | | | |
| 2 | | | |
| 3 | COPPER PATCH PANEL | 24 | PATCH PANEL A |
| 4 | | | |
| 5 | | | |
| 6 | CABLE MANAGEMENT | | |
| 7 | CABLE MANAGEMENT | | |
| 8 | | | |
| 9 | | | |
| 10 | NETWORK EDGE SWITCH | 48 | |
| 11 | NEW 24-PORT CAT6A PP | 24 | FOR NEW WAPS |
| 12 | ACTIVE NETWORK EQUIPMENT | | |
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NOTES:

- CONTRACTOR TO PROVIDE NEW 24-PORT CAT6A PATCH PANEL.
- TERMINATE NEW CAT6A CABLING TO EXISTING LOCATION OF WIFI ACCESS POINT.
- CAT6A ORANGE PATCH CABLE SHALL BE USED FOR ALL WIFI ACCESS POINT.

EXISTING RACK



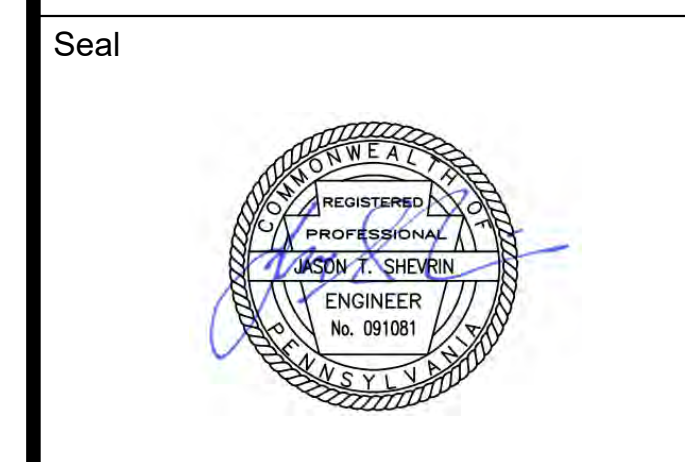
GENERAL NOTES:

- CONTRACTOR TO PROVIDE NEW CAT6A PATCH PANEL TO TERMINATE NEW WIRELESS ACCESS POINT DEVICES.

| RACK R01 | | | |
|----------|--------------------------|-------|--------------------------|
| RU | EQUIPMENT | # / W | DESCRIPTION |
| 1 | | | |
| 2 | ACTIVE NETWORK EQUIPMENT | | 12 SM TO MDF |
| 3 | | | |
| 4 | COPPER PATCH PANEL | 48 | PATCH PANEL A |
| 5 | | | |
| 6 | CABLE MANAGEMENT | | |
| 7 | COPPER PATCH PANEL | 48 | PATCH PANEL A |
| 8 | | | |
| 9 | CABLE MANAGEMENT | | |
| 10 | | | |
| 11 | NETWORK EDGE SWITCH | 48 | |
| 12 | NEW 24-PORT CAT6A PP | 24 | FOR NEW WAPS |
| 13 | ACTIVE NETWORK EQUIPMENT | | |
| 14 | | | |
| 15 | ACTIVE NETWORK EQUIPMENT | | |
| 16 | | | |
| 17 | | | |
| 18 | | | |
| 19 | | | |
| 20 | ACTIVE NETWORK EQUIPMENT | | BACK-BANE IDF-U TO IDF-S |
| 21 | | | |
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NOTES:

- CONTRACTOR TO PROVIDE NEW 24-PORT CAT6A PATCH PANEL.
- TERMINATE NEW CAT6A CABLING TO EXISTING LOCATION OF WIFI ACCESS POINT.
- CAT6A ORANGE PATCH CABLE SHALL BE USED FOR ALL WIFI ACCESS POINT.



Revisions:

| NO. | DESCRIPTION | DATE |
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PCCA WiFi UPGRADES
1101 ARCH STREET
PHILADELPHIA, PA 19107
PENNSYLVANIA
CONVENTION CENTER
AUTHORITY (PCCA)

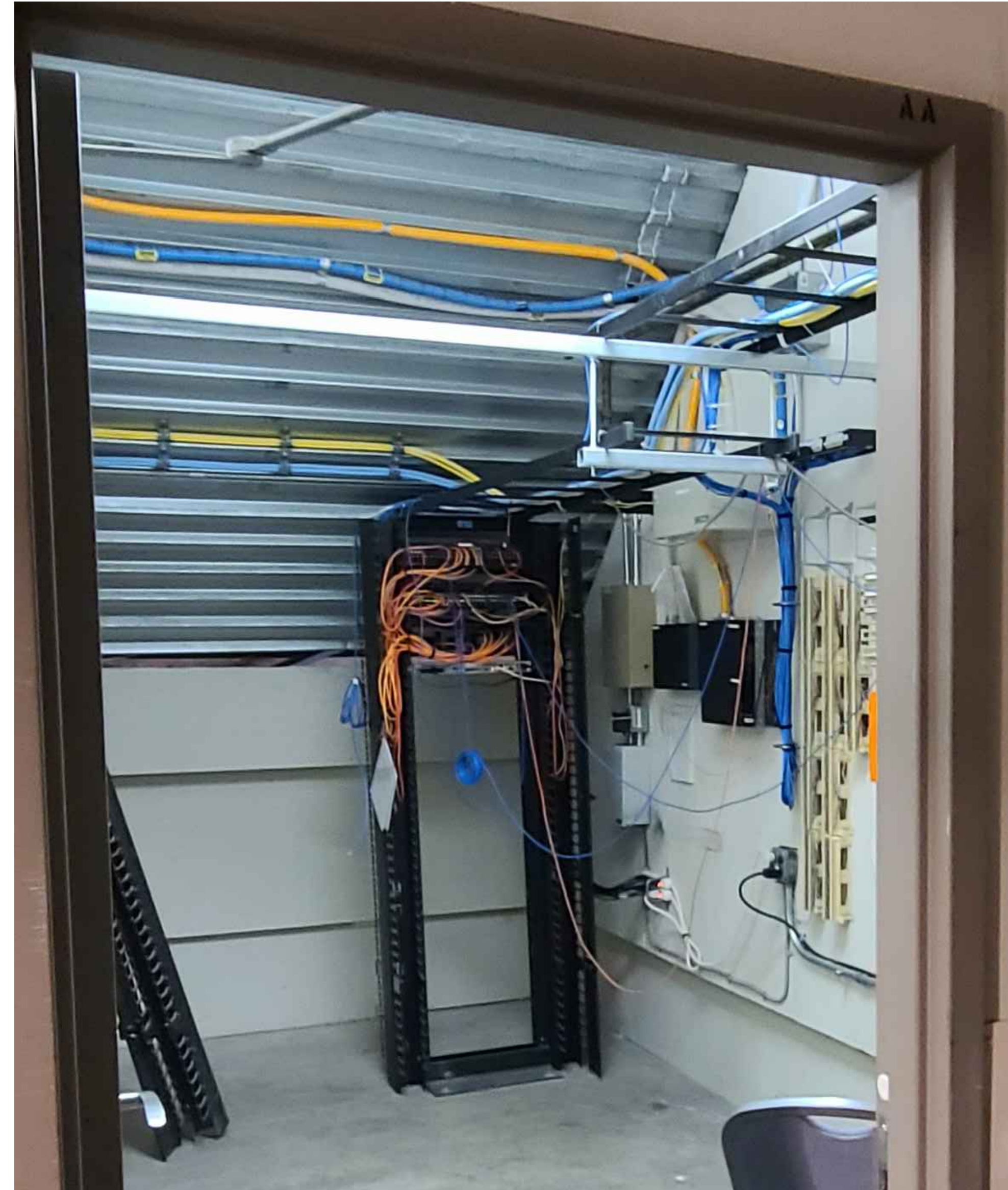
SPECIAL SYSTEMS ENLARGED PLANS 10

| | |
|----------------|------------|
| Project Number | 128620.001 |
| Date | 2022-08-29 |
| Drawn By | TB |
| Checked By | EH |
| SS4.010 | |
| Scale | AS NOTED |

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THIS DRAWING IS FORMATTED TO BE PRINTED AT 36" X 42"

EXISTING RACK



GENERAL NOTES:

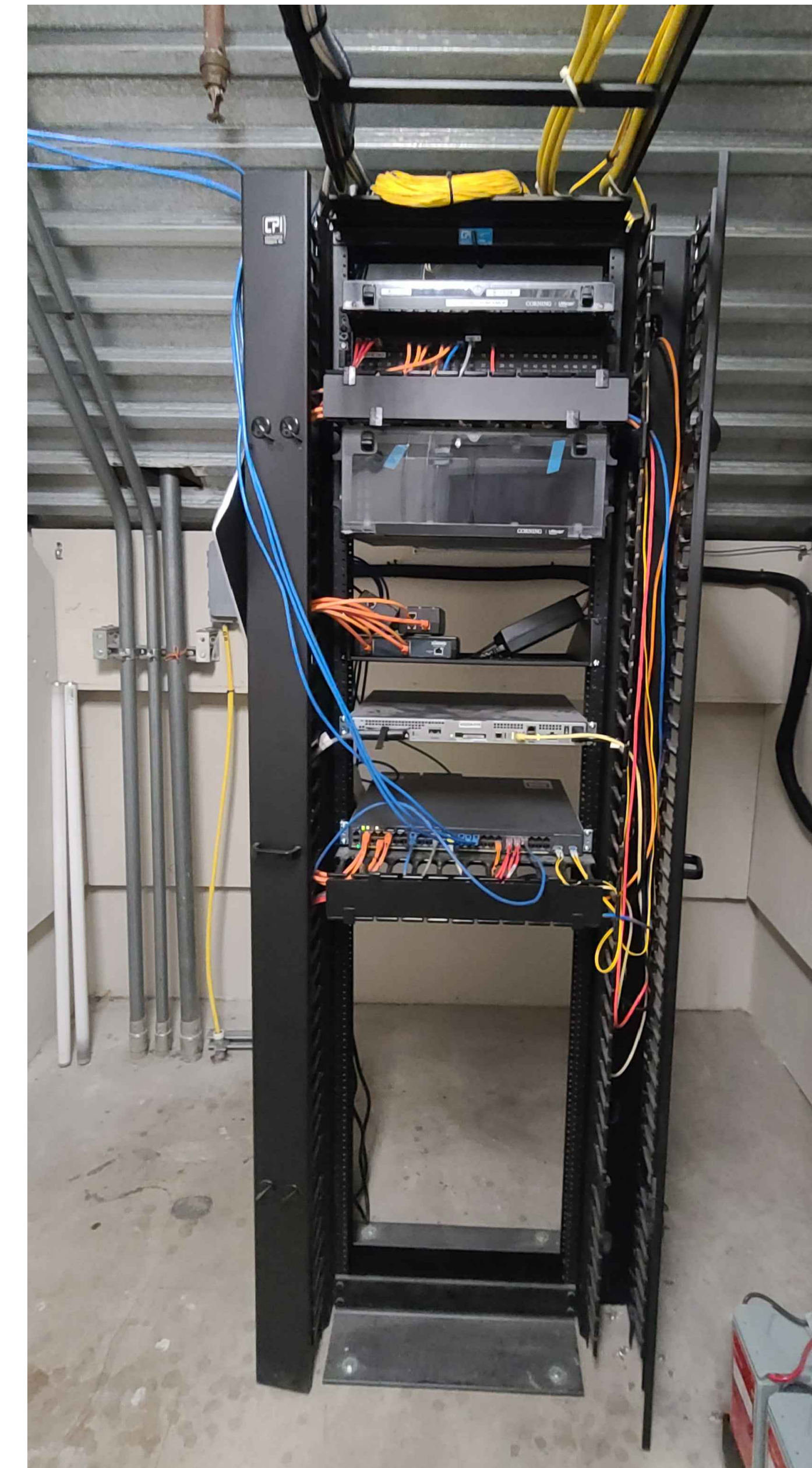
- CONTRACTOR TO PROVIDE NEW CAT6A PATCH PANEL TO TERMINATE NEW WIRELESS ACCESS POINT DEVICES.

| RACK R01 | | | |
|----------|--------------------------|-------|---------------|
| RU | EQUIPMENT | # / W | DESCRIPTION |
| 1 | | | |
| 2 | | | |
| 3 | COPPER PATCH PANEL | 48 | PATCH PANEL A |
| 4 | | | |
| 5 | | | |
| 6 | NETWORK EDGE SWITCH | 48 | |
| 7 | NEW 24-PORT CAT6A PP | 24 | FOR NEW WAPS |
| 8 | | | |
| 9 | | | |
| 10 | ACTIVE NETWORK EQUIPMENT | | |
| 11 | | | |
| 12 | ACTIVE NETWORK EQUIPMENT | | |
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NOTES:

- CONTRACTOR TO PROVIDE NEW 24-PORT CAT6A PATCH PANEL.
- TERMINATE NEW CAT6A CABLING TO EXISTING LOCATION OF WIFI ACCESS POINT.
- CAT6A ORANGE PATCH CABLE SHALL BE USED FOR ALL WIFI ACCESS POINT.

EXISTING RACK



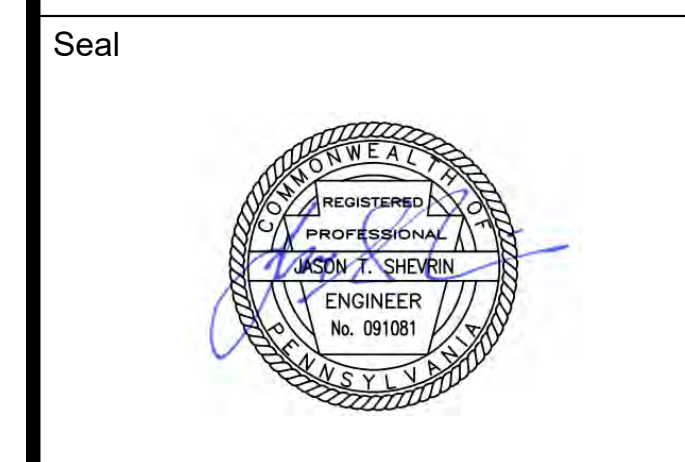
GENERAL NOTES:

- CONTRACTOR TO PROVIDE NEW CAT6A PATCH PANEL TO TERMINATE NEW WIRELESS ACCESS POINT DEVICES.

| RACK R01 | | | |
|----------|--------------------------|-------|----------------------|
| RU | EQUIPMENT | # / W | DESCRIPTION |
| 1 | | | |
| 2 | | | |
| 3 | | | |
| 4 | ACTIVE NETWORK EQUIPMENT | | 24 STR SIM FROM XMDF |
| 5 | | | |
| 6 | COPPER PATCH PANEL | 48 | PATCH PANEL A |
| 7 | | | |
| 8 | | | |
| 9 | | | |
| 10 | | | |
| 11 | ACTIVE NETWORK EQUIPMENT | | |
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| 13 | | | |
| 14 | | | |
| 15 | | | |
| 16 | | | |
| 17 | ACTIVE NETWORK EQUIPMENT | | |
| 18 | | | |
| 19 | | | |
| 20 | ACTIVE NETWORK EQUIPMENT | | |
| 21 | | | |
| 22 | | | |
| 23 | | | |
| 24 | NEW 24-PORT CAT6A PP | 24 | FOR NEW WAPS |
| 25 | NETWORK EDGE SWITCH | 48 | |
| 26 | | | |
| 27 | CABLE MANAGEMENT | | |
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NOTES:

- CONTRACTOR TO PROVIDE NEW 24-PORT CAT6A PATCH PANEL.
- TERMINATE NEW CAT6A CABLING TO EXISTING LOCATION OF WIFI ACCESS POINT.
- CAT6A ORANGE PATCH CABLE SHALL BE USED FOR ALL WIFI ACCESS POINT.



Revisions:

| NO. | DESCRIPTION | DATE |
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PCCA WiFi Upgrades
1101 ARCH STREET
PHILADELPHIA, PA. 19107
PENNSYLVANIA
CONVENTION CENTER
AUTHORITY (PCCA)

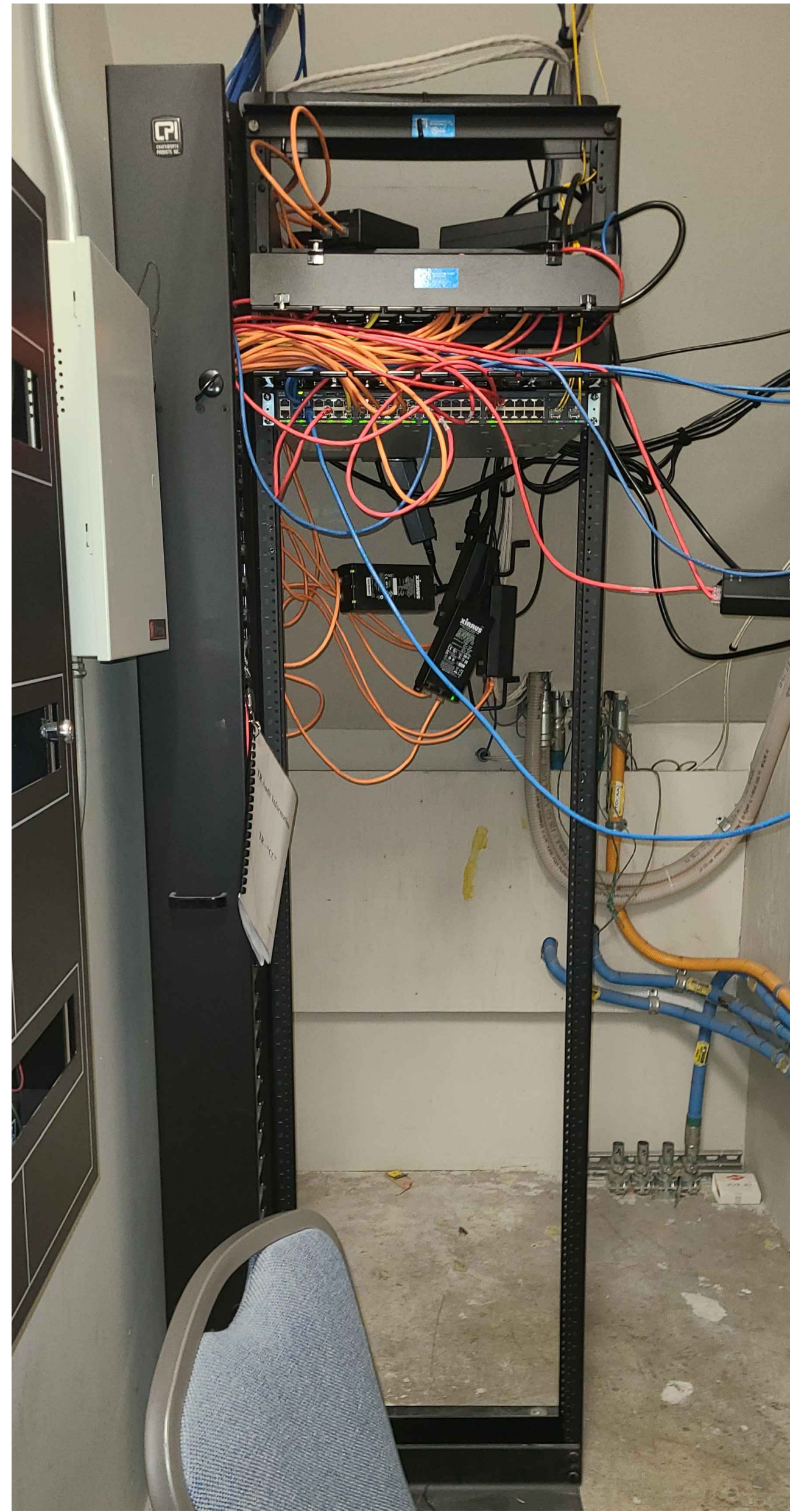
SPECIAL SYSTEMS ENLARGED PLANS 11

| | |
|----------------|------------|
| Project Number | 128620.001 |
| Date | 2022-08-29 |
| Drawn By | TB |
| Checked By | EH |
| SS4.011 | |
| Scale | AS NOTED |

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EXISTING RACK



GENERAL NOTES:

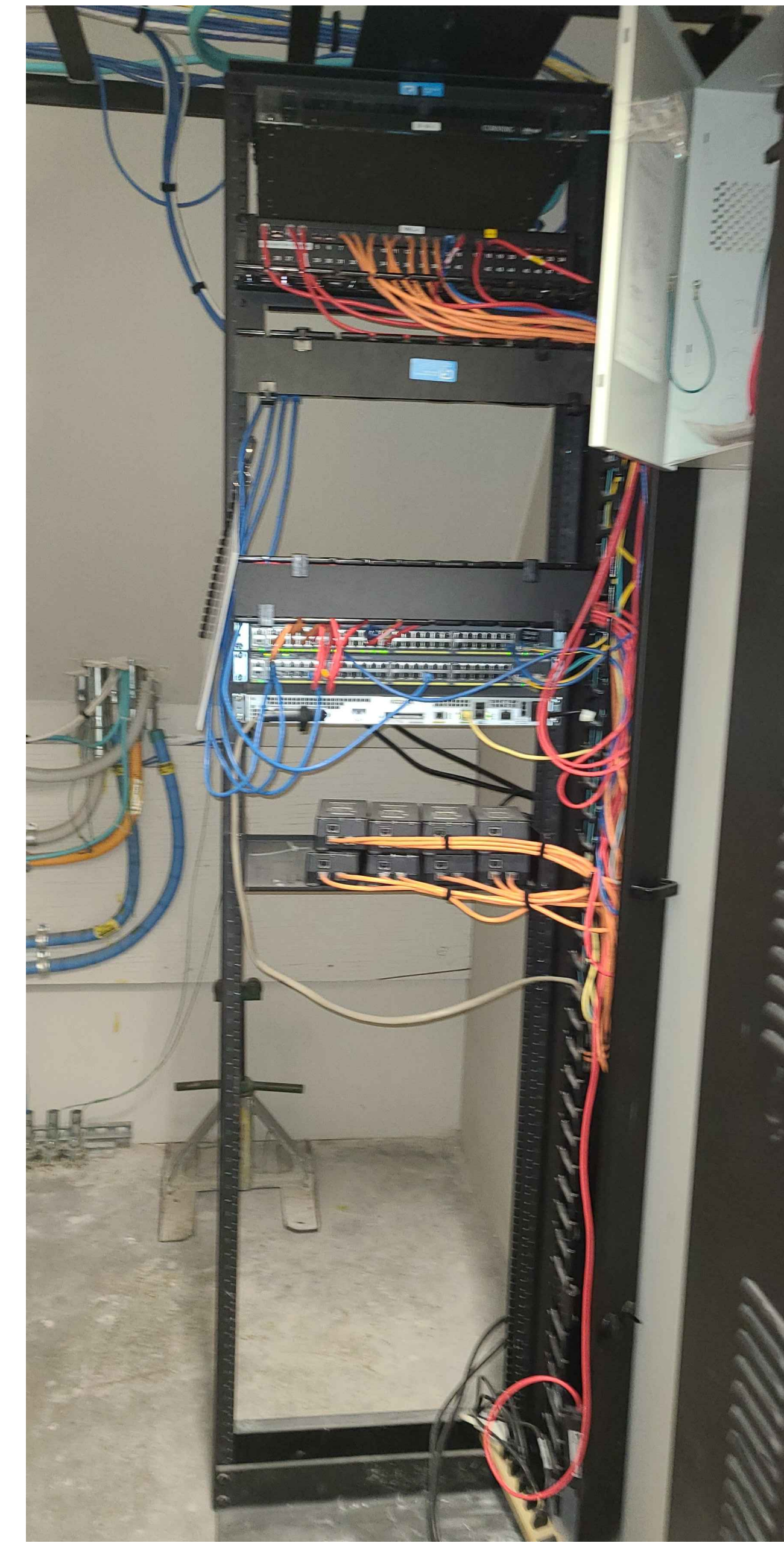
1. CONTRACTOR TO PROVIDE NEW CAT6A PATCH PANEL TO TERMINATE NEW WIRELESS ACCESS POINT DEVICES.

| RACK R01 | | | |
|----------|--------------------------|-------|---------------|
| RU | EQUIPMENT | # / W | DESCRIPTION |
| 1 | | | |
| 2 | ACTIVE NETWORK EQUIPMENT | | |
| 3 | | | |
| 4 | COPPER PATCH PANEL | 48 | PATCH PANEL A |
| 5 | | | |
| 6 | CABLE MANAGEMENT | | |
| 7 | | | |
| 8 | NETWORK EDGE SWITCH | 48 | |
| 9 | NEW 24-PORT CAT6A PP | 24 | FOR NEW WAPS |
| 10 | | | |
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NOTES:

1. CONTRACTOR TO PROVIDE NEW 24-PORT CAT6A PATCH PANEL.
2. TERMINATE NEW CAT6A CABLING TO EXISTING LOCATION OF WIFI ACCESS POINT.
3. CAT6A ORANGE PATCH CABLE SHALL BE USED FOR ALL WIFI ACCESS POINT.

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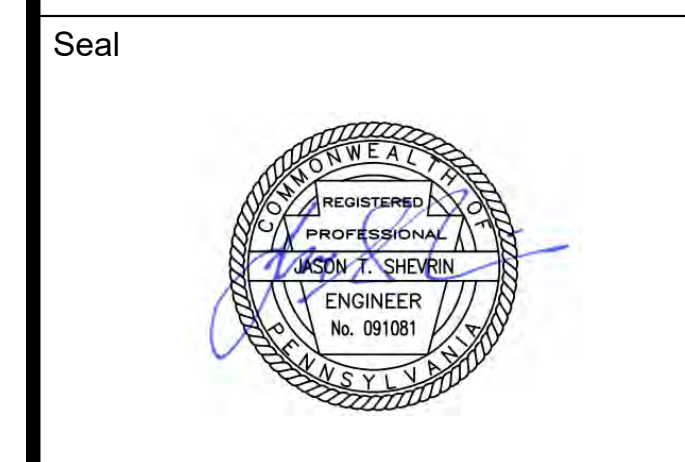
GENERAL NOTES:

1. CONTRACTOR TO PROVIDE NEW CAT6A PATCH PANEL TO TERMINATE NEW WIRELESS ACCESS POINT DEVICES.

| RACK R01 | | | |
|----------|--------------------------|-------|---------------|
| RU | EQUIPMENT | # / W | DESCRIPTION |
| 1 | ACTIVE NETWORK EQUIPMENT | | |
| 2 | | | |
| 3 | | | |
| 4 | COPPER PATCH PANEL | 48 | PATCH PANEL A |
| 5 | | | |
| 6 | | | |
| 7 | | | |
| 8 | ACTIVE NETWORK EQUIPMENT | | |
| 9 | | | |
| 10 | | | |
| 11 | | | |
| 12 | | | |
| 13 | | | |
| 14 | NEW 24-PORT CAT6A PP | 24 | FOR NEW WAPS |
| 15 | CABLE MANAGEMENT | | |
| 16 | | | |
| 17 | NETWORK EDGE SWITCH | 48 | |
| 18 | NETWORK EDGE SWITCH | 48 | |
| 19 | ACTIVE NETWORK EQUIPMENT | | |
| 20 | | | |
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| 24 | ACTIVE NETWORK EQUIPMENT | | |
| 25 | | | |
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NOTES:

1. CONTRACTOR TO PROVIDE NEW 24-PORT CAT6A PATCH PANEL.
2. TERMINATE NEW CAT6A CABLING TO EXISTING LOCATION OF WIFI ACCESS POINT.
3. CAT6A ORANGE PATCH CABLE SHALL BE USED FOR ALL WIFI ACCESS POINT.



Revisions:

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PCCA WiFi UPGRADES
1101 ARCH STREET
PHILADELPHIA, PA 19107
PENNSYLVANIA
CONVENTION CENTER
AUTHORITY (PCCA)

**SPECIAL SYSTEMS
ENLARGED PLANS 12**

| | |
|----------------|------------|
| Project Number | 128620.001 |
| Date | 2022-08-29 |
| Drawn By | TB |
| Checked By | EH |
| SS4.012 | |
| Scale | AS NOTED |

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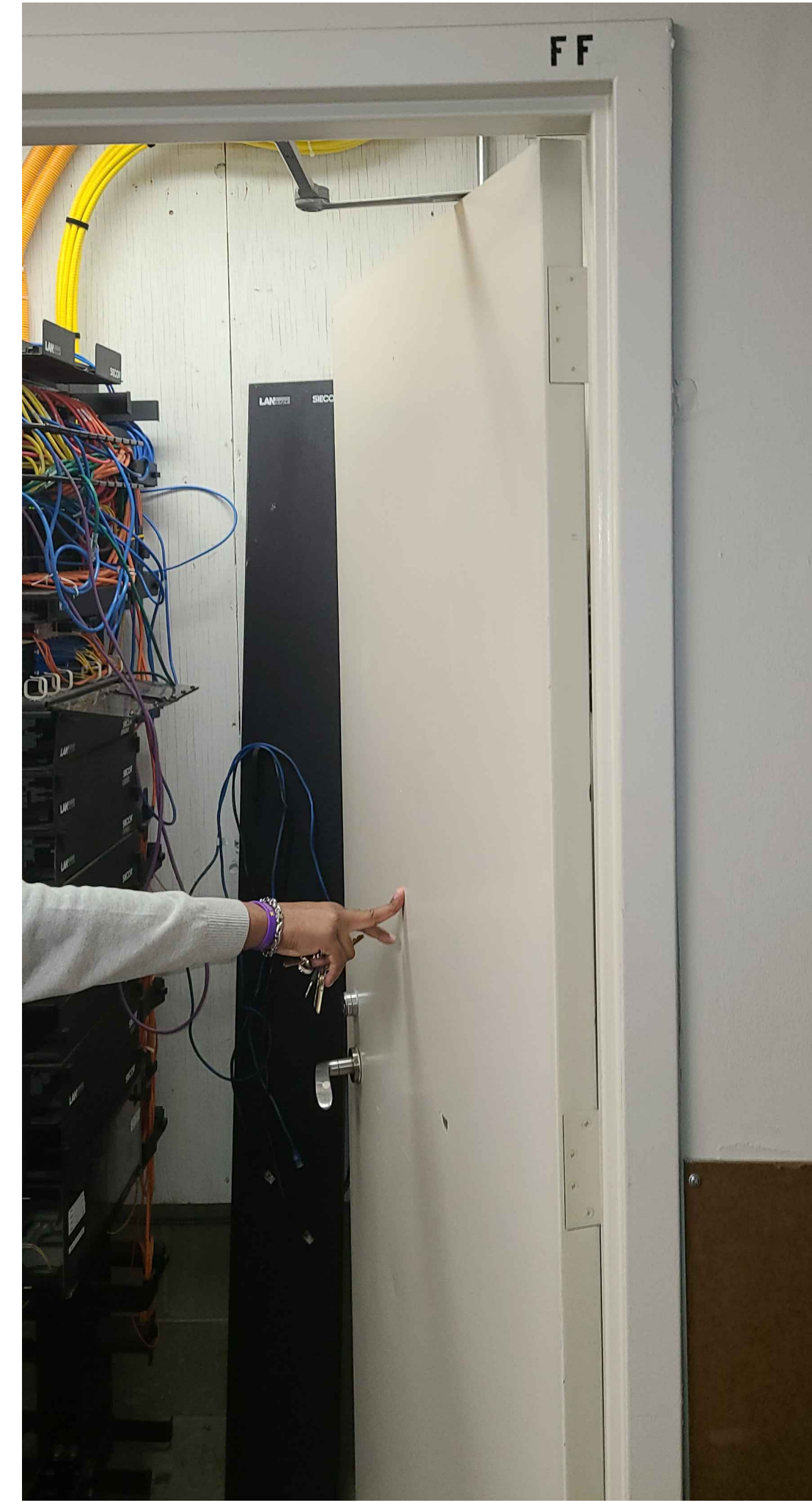
EXISTING RACK



GENERAL NOTES:

1. NO WORK IS REQUIRED IN THIS IDF. PICTURE SHOWN FOR REFERENCE.

EXISTING RACK



GENERAL NOTES:

1. NO WORK IS REQUIRED IN THIS IDF. PICTURE SHOWN FOR REFERENCE.

MEP / FP Engineer



ARORA ENGINEERS, INC.
1600 MARKET STREET, SUITE 1630
PHILADELPHIA, PA. 19103
215.372.1365

Architect

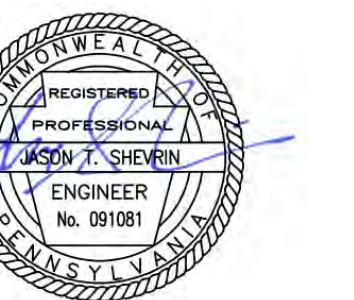
Civil Engineer

Structural Engineer



Key Plan

Seal



Revisions:

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PCCA WiFi UPGRADES

1101 ARCH STREET
PHILADELPHIA, PA. 19107
PENNSYLVANIA
CONVENTION CENTER
AUTHORITY (PCCA)

SPECIAL SYSTEMS ENLARGED PLANS 13

| | |
|----------------|------------|
| Project Number | 128620.001 |
| Date | 2022-08-29 |
| Drawn By | TB |
| Checked By | EH |

SS4.013

Scale AS NOTED

100% SUBMISSION

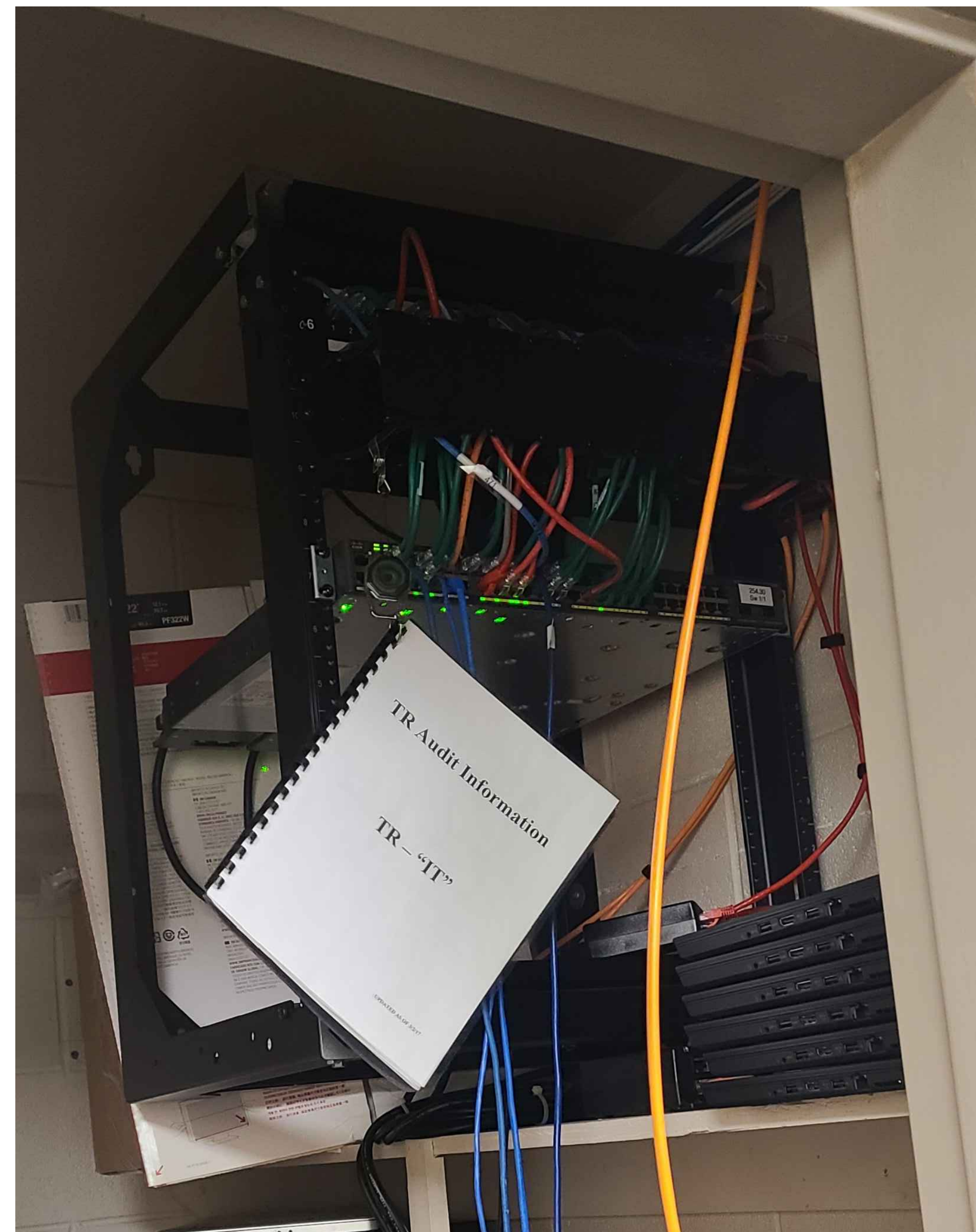
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1 SPECIAL SYSTEMS ENLARGED PLANS 13 - IDF EE
SS4.013 Scale: NOT TO SCALE

2 SPECIAL SYSTEMS ENLARGED PLANS 13 - IDF FF
SS4.013 Scale: NOT TO SCALE

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GENERAL NOTES:

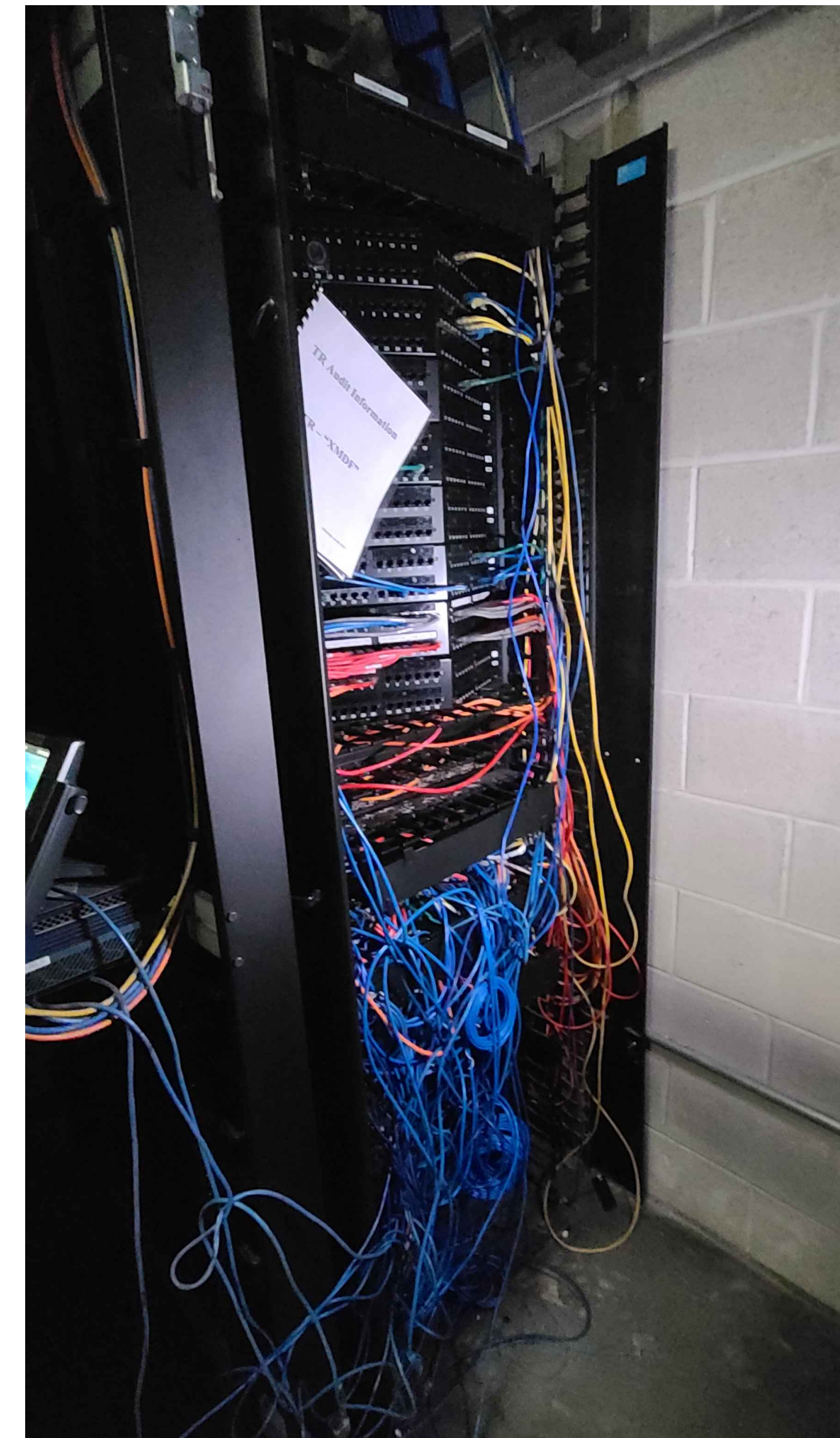
- CONTRACTOR TO PROVIDE NEW CAT6A PATCH PANEL TO TERMINATE NEW WIRELESS ACCESS POINT DEVICES.

| RACK R01 | | | |
|----------|--------------------------|-------|--------------|
| RU | EQUIPMENT | # / W | DESCRIPTION |
| 1 | ACTIVE NETWORK EQUIPMENT | | |
| 2 | | | |
| 3 | COPPER PATCH PANEL | 48 | |
| 4 | | | |
| 5 | CABLE MANAGEMENT | | |
| 6 | | | |
| 7 | | | |
| 8 | | | |
| 9 | NETWORK EDGE SWITCH | 48 | |
| 10 | NEW 24-PORT CAT6A PP | 24 | FOR NEW WAPS |
| 11 | | | |
| 12 | | | |
| 13 | | | |
| 14 | | | |
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| 24 | ACTIVE NETWORK EQUIPMENT | | |

NOTES:

- CONTRACTOR TO PROVIDE NEW 24-PORT CAT6A PATCH PANEL.
- TERMINATE NEW CAT6A CABLING TO EXISTING LOCATION OF WIFI ACCESS POINT.
- CAT6A ORANGE PATCH CABLE SHALL BE USED FOR ALL WIFI ACCESS POINT.

EXISTING RACK



GENERAL NOTES:

- NO WORK IS REQUIRED IN THIS MDF. PICTURE SHOWN FOR REFERENCE.

Architect

Civil Engineer

Structural Engineer



Key Plan

Seal



Revisions:

| NO. | DESCRIPTION | DATE |
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PCCA WiFi UPGRADES
1101 ARCH STREET
PHILADELPHIA, PA 19107
PENNSYLVANIA
CONVENTION CENTER
AUTHORITY (PCCA)

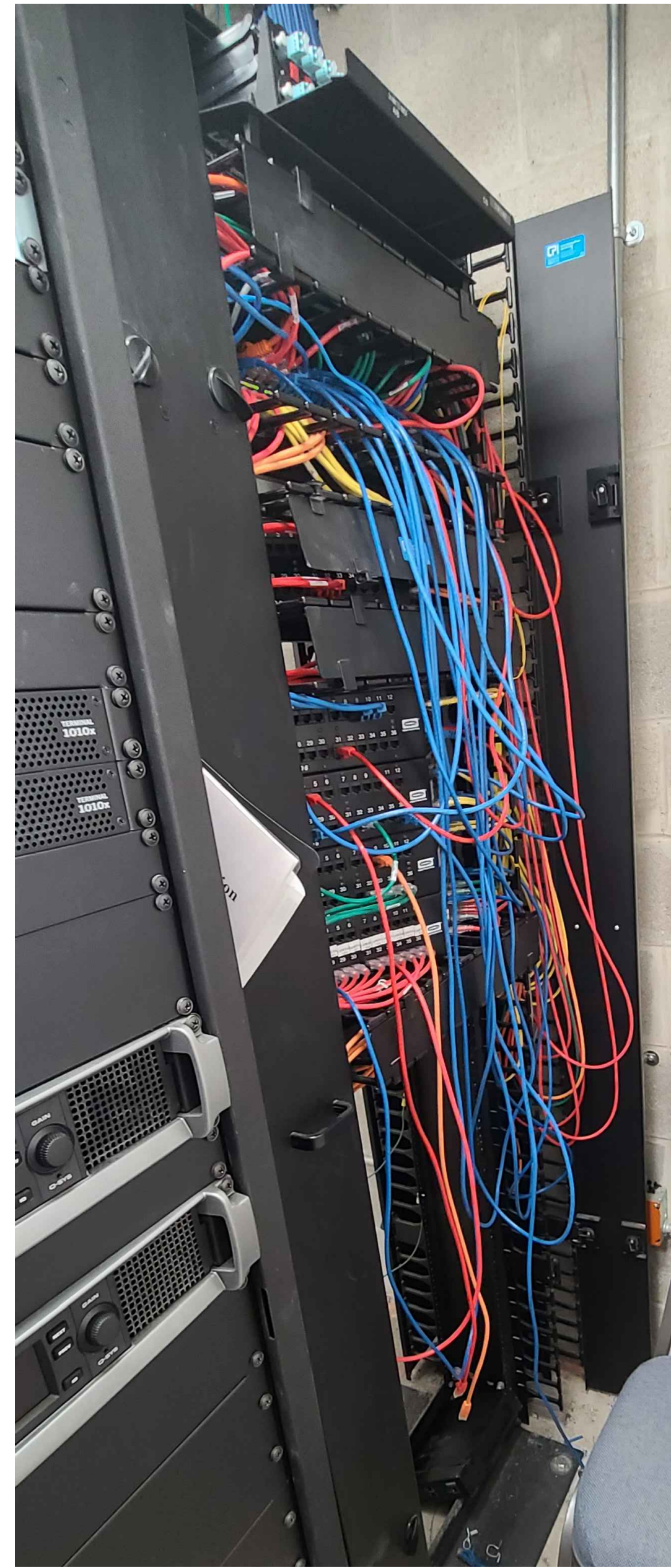
**SPECIAL SYSTEMS
ENLARGED PLANS 15**

Project Number 128620.001
Date 2022-08-29
Drawn By TB
Checked By EH

SS4.015

Scale AS NOTED

EXISTING RACK



GENERAL NOTES:

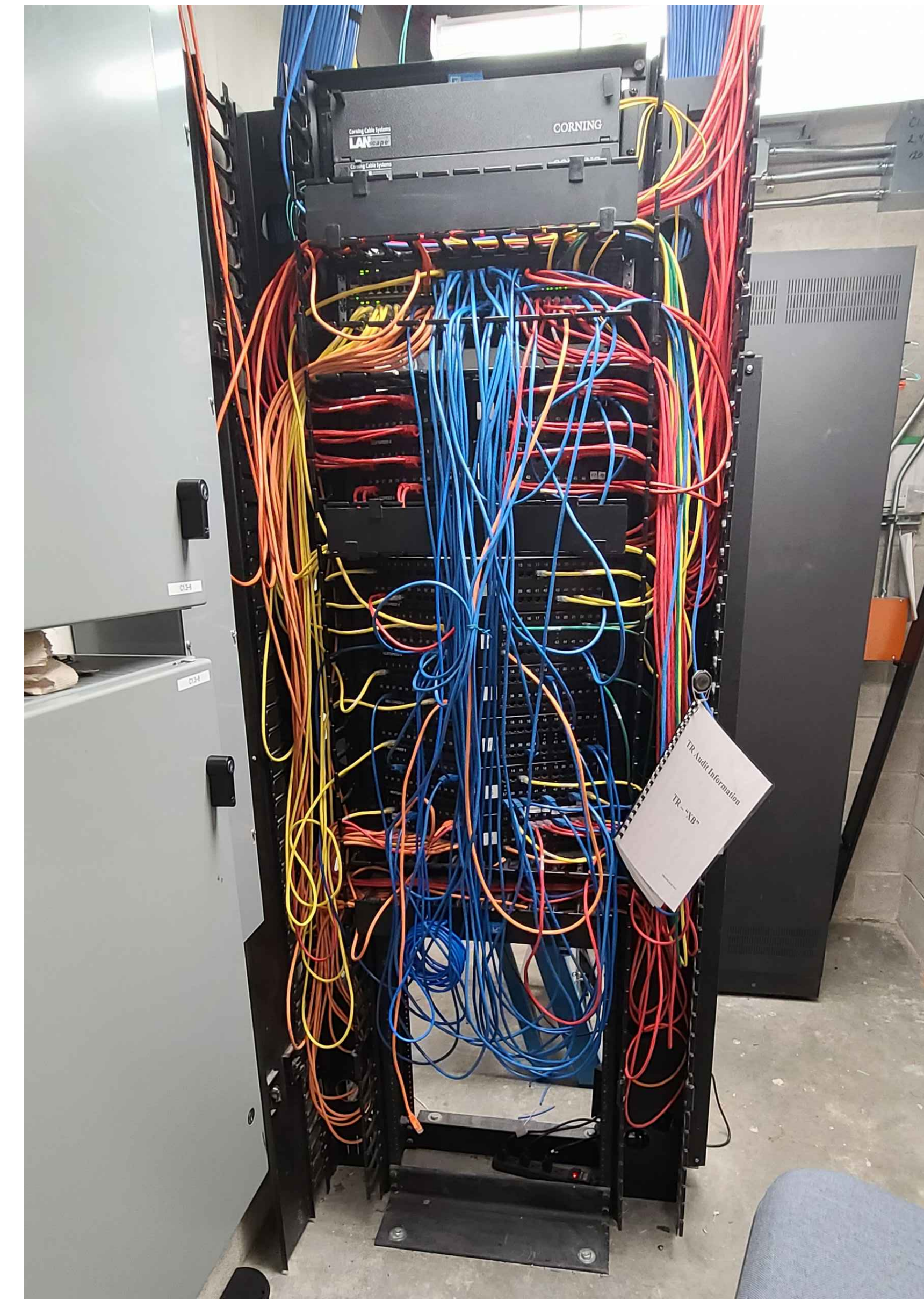
- CONTRACTOR TO PROVIDE NEW CAT6A PATCH PANEL TO TERMINATE NEW WIRELESS ACCESS POINT DEVICES.

| RACK R01 | | | |
|----------|--------------------------|-------|---------------|
| RU | EQUIPMENT | # / W | DESCRIPTION |
| 1 | ACTIVE NETWORK EQUIPMENT | | |
| 2 | ACTIVE NETWORK EQUIPMENT | | |
| 3 | ACTIVE NETWORK EQUIPMENT | | |
| 4 | CABLE MANAGEMENT | | |
| 5 | | | |
| 6 | NETWORK EDGE SWITCH | 48 | |
| 7 | NETWORK EDGE SWITCH | 48 | |
| 8 | | | |
| 9 | | | |
| 10 | COPPER PATCH PANEL | 48 | PATCH PANEL A |
| 11 | | | |
| 12 | CABLE MANAGEMENT | | |
| 13 | | | |
| 14 | COPPER PATCH PANEL | 48 | PATCH PANEL B |
| 15 | | | |
| 16 | COPPER PATCH PANEL | 48 | PATCH PANEL C |
| 17 | | | |
| 18 | COPPER PATCH PANEL | 48 | PATCH PANEL D |
| 19 | | | |
| 20 | COPPER PATCH PANEL | 48 | PATCH PANEL E |
| 21 | | | |
| 22 | ACTIVE NETWORK EQUIPMENT | | |
| 23 | | | |
| 24 | | | |
| 25 | NEW 24-PORT CAT6A PP | 24 | FOR NEW WAPS |
| 26 | | | |
| 27 | | | |
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NOTES:

- CONTRACTOR TO PROVIDE NEW 24-PORT CAT6A PATCH PANEL.
- TERMINATE NEW CAT6A CABLING TO EXISTING LOCATION OF WIFI ACCESS POINT.
- CAT6A ORANGE PATCH CABLE SHALL BE USED FOR ALL WIFI ACCESS POINT.

EXISTING RACK



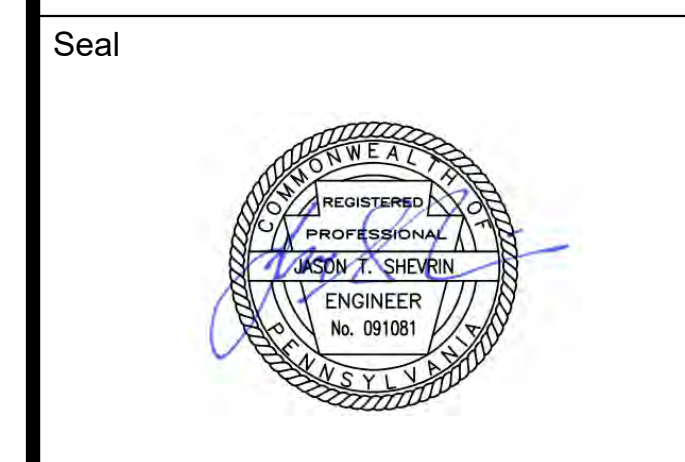
GENERAL NOTES:

- CONTRACTOR TO PROVIDE NEW CAT6A PATCH PANEL TO TERMINATE NEW WIRELESS ACCESS POINT DEVICES.

| RACK R01 | | | |
|----------|--------------------------|-------|---------------|
| RU | EQUIPMENT | # / W | DESCRIPTION |
| 1 | ACTIVE NETWORK EQUIPMENT | | |
| 2 | ACTIVE NETWORK EQUIPMENT | | |
| 3 | ACTIVE NETWORK EQUIPMENT | | |
| 4 | CABLE MANAGEMENT | | |
| 5 | | | |
| 6 | NETWORK EDGE SWITCH | 48 | |
| 7 | NETWORK EDGE SWITCH | 48 | |
| 8 | | | |
| 9 | | | |
| 10 | COPPER PATCH PANEL | 48 | PATCH PANEL A |
| 11 | | | |
| 12 | COPPER PATCH PANEL | 48 | PATCH PANEL B |
| 13 | | | |
| 14 | CABLE MANAGEMENT | | |
| 15 | | | |
| 16 | COPPER PATCH PANEL | 48 | PATCH PANEL C |
| 17 | | | |
| 18 | COPPER PATCH PANEL | 48 | PATCH PANEL D |
| 19 | | | |
| 20 | COPPER PATCH PANEL | 48 | PATCH PANEL E |
| 21 | | | |
| 22 | COPPER PATCH PANEL | 48 | PATCH PANEL F |
| 23 | | | |
| 24 | COPPER PATCH PANEL | 48 | PATCH PANEL G |
| 25 | | | |
| 26 | COPPER PATCH PANEL | 48 | PATCH PANEL H |
| 27 | | | |
| 28 | ACTIVE NETWORK EQUIPMENT | | |
| 29 | | | |
| 30 | | | |
| 31 | NEW 24-PORT CAT6A PP | 24 | FOR NEW WAPS |
| 32 | | | |
| 33 | | | |
| 34 | | | |
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NOTES:

- CONTRACTOR TO PROVIDE NEW 24-PORT CAT6A PATCH PANEL.
- TERMINATE NEW CAT6A CABLING TO EXISTING LOCATION OF WIFI ACCESS POINT.
- CAT6A ORANGE PATCH CABLE SHALL BE USED FOR ALL WIFI ACCESS POINT.



Revisions:

| NO. | DESCRIPTION | DATE |
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PCCA WiFi Upgrades
1101 ARCH STREET
PHILADELPHIA, PA. 19107
PENNSYLVANIA
CONVENTION CENTER
AUTHORITY (PCCA)

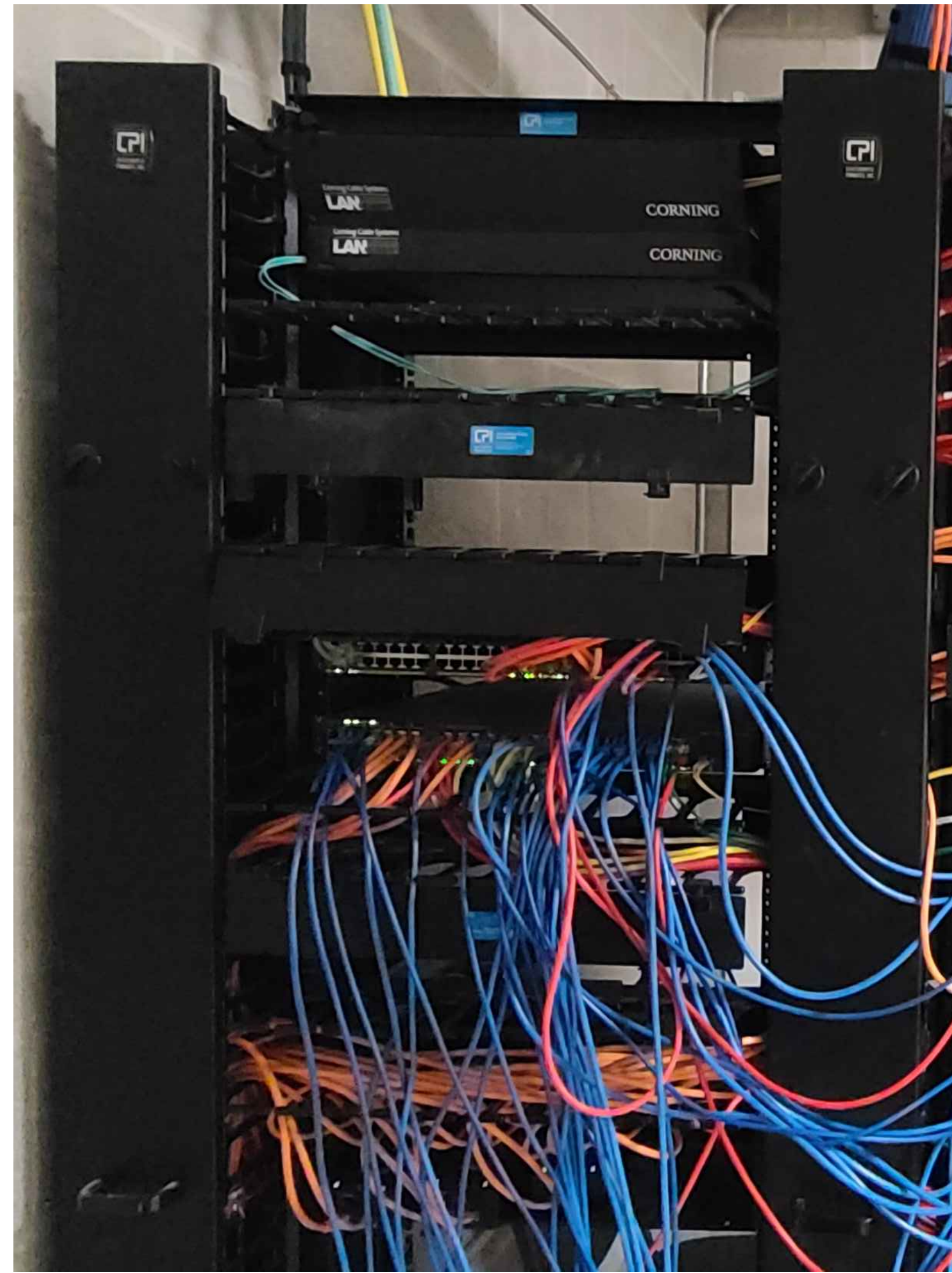
**SPECIAL SYSTEMS
ENLARGED PLANS 16**

| | |
|----------------|------------|
| Project Number | 128620.001 |
| Date | 2022-08-29 |
| Drawn By | TB |
| Checked By | EH |
| SS4.016 | |
| Scale | AS NOTED |

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THIS DRAWING IS FORMATTED TO BE PRINTED AT 36" X 42"

EXISTING RACK



GENERAL NOTES:

- CONTRACTOR TO PROVIDE NEW CAT6A PATCH PANEL TO TERMINATE NEW WIRELESS ACCESS POINT DEVICES.

| RACK R01 | | | |
|----------|--------------------------|-------|--------------|
| RU | EQUIPMENT | # / W | DESCRIPTION |
| 1 | ACTIVE NETWORK EQUIPMENT | | |
| 2 | ACTIVE NETWORK EQUIPMENT | | |
| 3 | ACTIVE NETWORK EQUIPMENT | | |
| 4 | ACTIVE NETWORK EQUIPMENT | | |
| 5 | | | |
| 6 | CABLE MANAGEMENT | | |
| 7 | | | |
| 8 | CABLE MANAGEMENT | | |
| 9 | | | |
| 10 | | | |
| 11 | | | |
| 12 | CABLE MANAGEMENT | | |
| 13 | | | |
| 14 | NETWORK EDGE SWITCH | 48 | |
| 15 | | | |
| 16 | NETWORK EDGE SWITCH | 48 | |
| 17 | NEW 24-PORT CAT6A PP | 24 | FOR NEW WAPS |
| 18 | CABLE MANAGEMENT | | |
| 19 | | | |
| 20 | CABLE MANAGEMENT | | |
| 21 | | | |
| 22 | ACTIVE NETWORK EQUIPMENT | | |
| 23 | | | |
| 24 | ACTIVE NETWORK EQUIPMENT | | |
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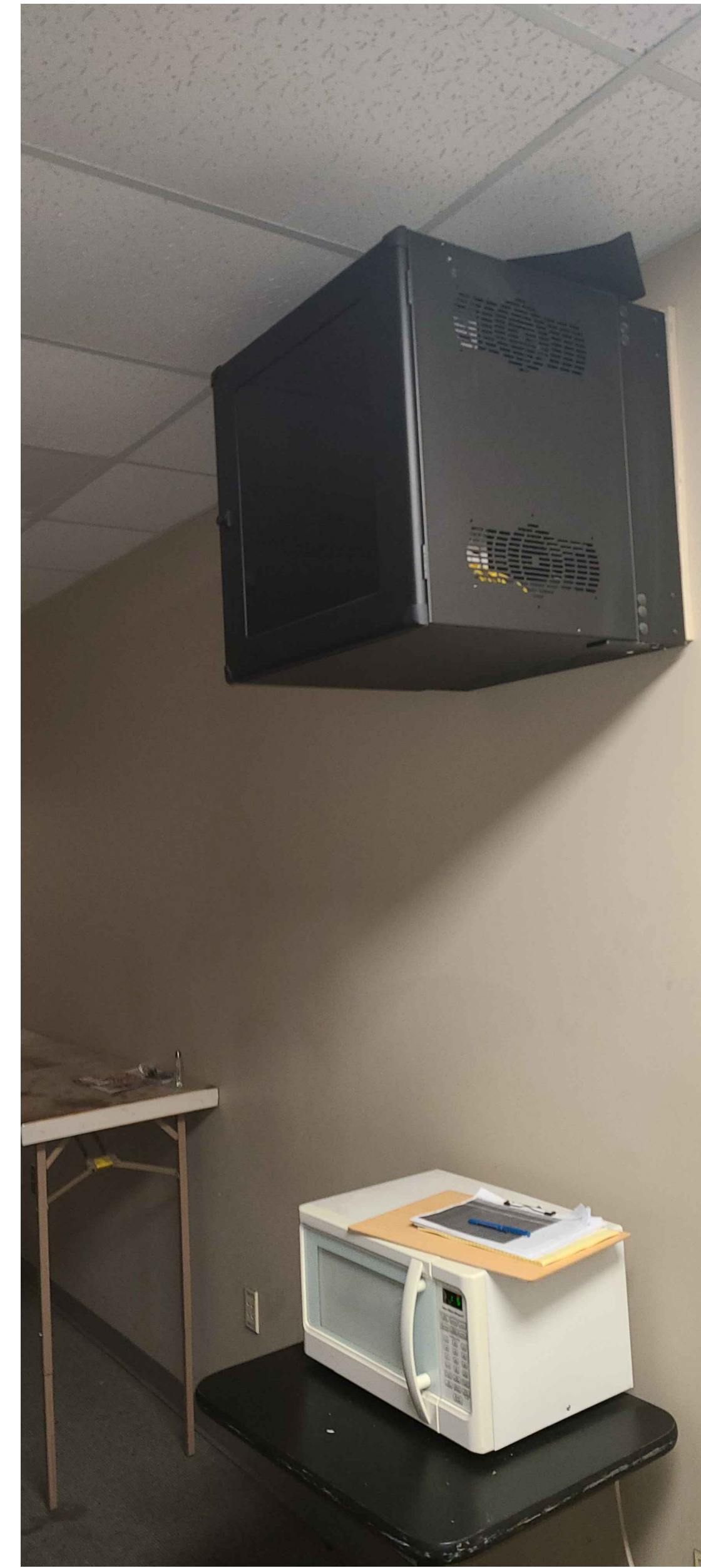
NOTES:

- CONTRACTOR TO PROVIDE NEW 24-PORT CAT6A PATCH PANEL.
- TERMINATE NEW CAT6A CABLING TO EXISTING LOCATION OF WIFI ACCESS POINT.
- CAT6A ORANGE PATCH CABLE SHALL BE USED FOR ALL WIFI ACCESS POINT.

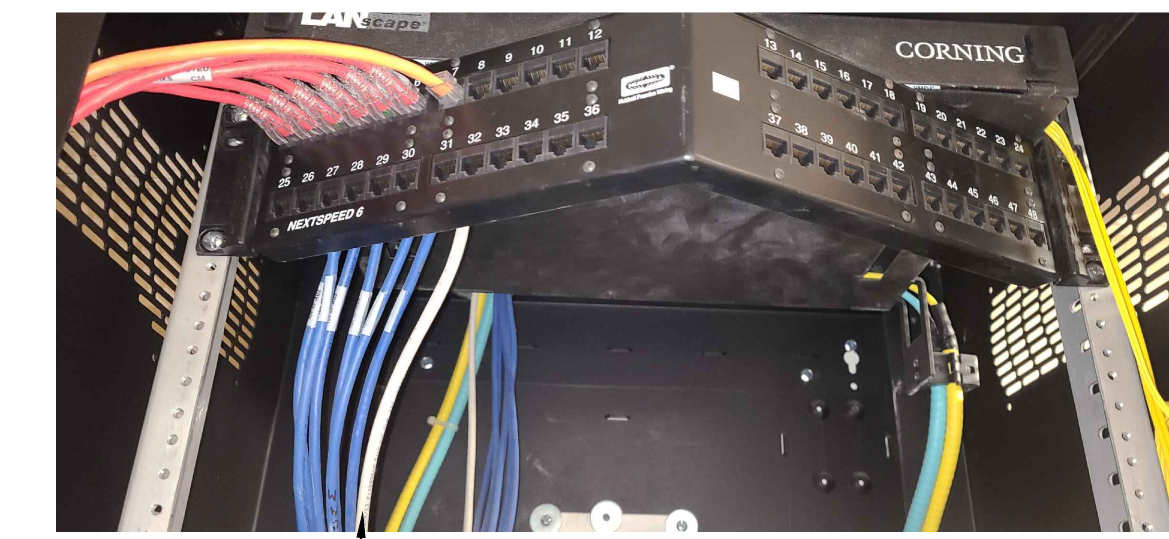
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SS4.018

SPECIAL SYSTEMS ENLARGED PLANS 18 - IDF XE
Scale: NOT TO SCALE

EXISTING CABINET



EXISTING



(E) CAT 6A CABLE

GENERAL NOTES:

- CONTRACTOR TO TERMINATE NEW WAPS TO EXISTING PATCH PANEL.

| RACK R01 | | | |
|----------|----------------------|-------|--------------------|
| RU | EQUIPMENT | # / W | DESCRIPTION |
| 1 | | | |
| 2 | EXISTING PATCH PANEL | | TERMINATE NEW WAPS |
| 3 | | | |
| 4 | | | |
| 5 | | | |
| 6 | | | |
| 7 | | | |
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| 9 | | | |
| 10 | | | |
| 11 | | | |
| 12 | CABLE MANAGEMENT | | |
| 13 | | | |
| 14 | NETWORK EDGE SWITCH | 48 | |
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SS4.018

SPECIAL SYSTEMS ENLARGED PLANS 18 - IDF XF
Scale: NOT TO SCALE

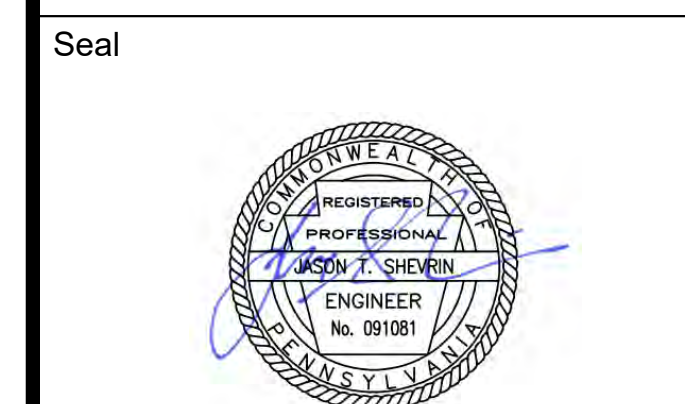
Architect

Civil Engineer

Structural Engineer



Key Plan



Revisions:

| NO. | DESCRIPTION | DATE |
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PCCA WiFi UPGRADES
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PHILADELPHIA, PA 19107
PENNSYLVANIA
CONVENTION CENTER
AUTHORITY (PCCA)

**SPECIAL SYSTEMS
ENLARGED PLANS 18**

Project Number 128620.001

Date 2022-08-29

Drawn By TB

Checked By EH

SS4.018

Scale AS NOTED

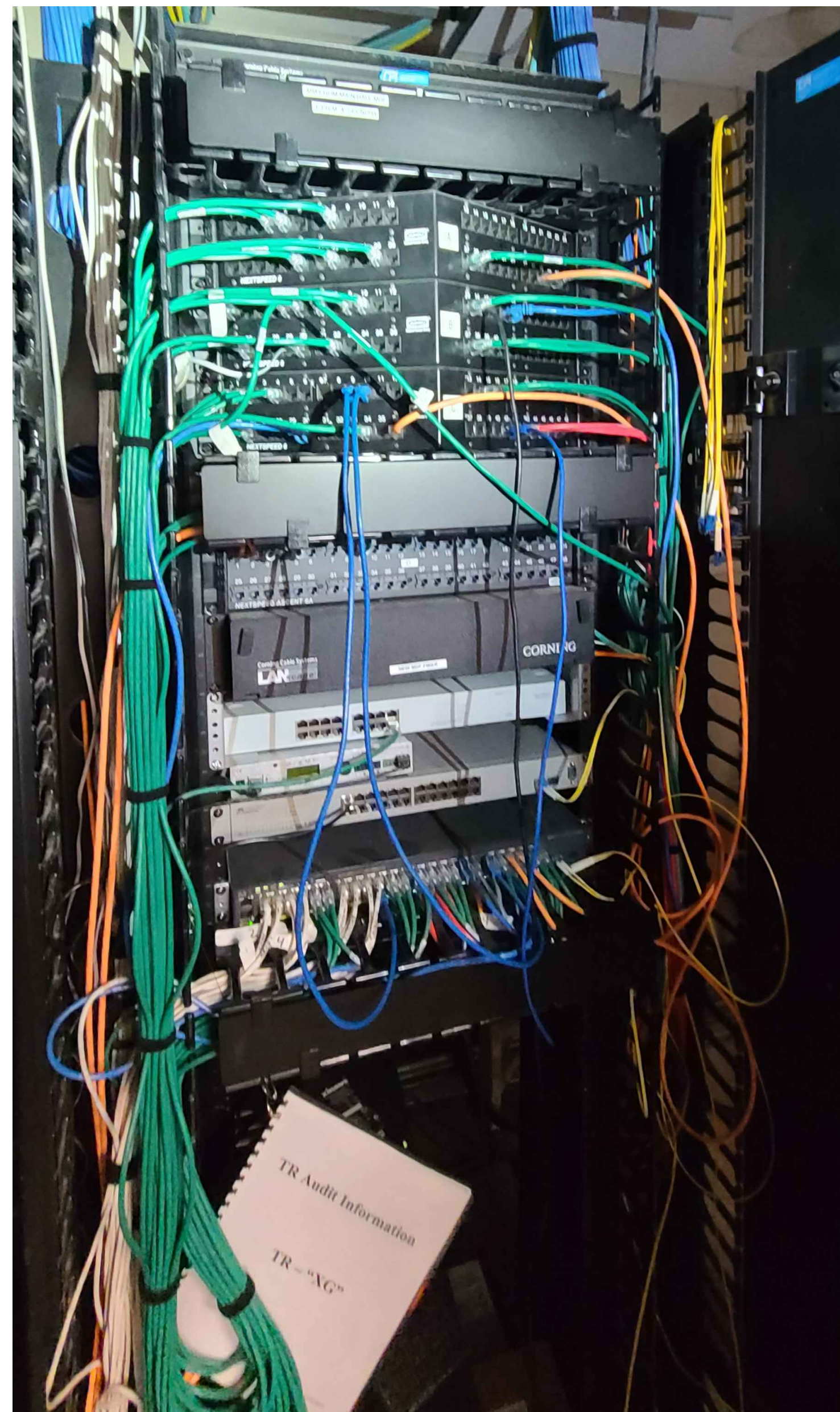
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EXISTING RACK



GENERAL NOTES:

1. NO WORK IS REQUIRED IN THIS IDF. PICTURE SHOWN FOR REFERENCE.

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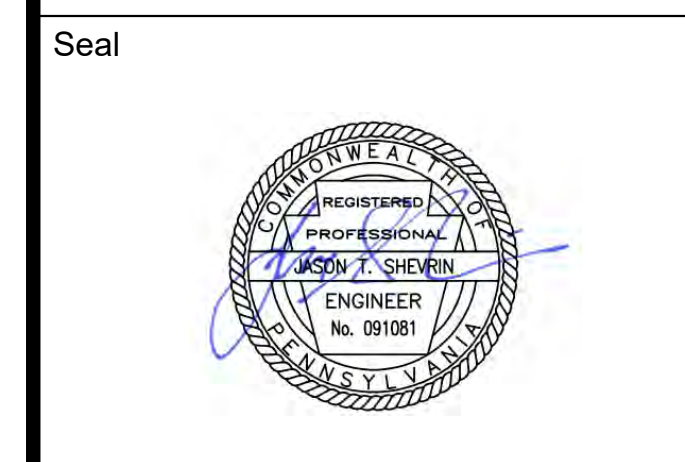
GENERAL NOTES:

1. CONTRACTOR TO PROVIDE NEW CAT6A PATCH PANEL TO TERMINATE NEW WIRELESS ACCESS POINT DEVICES.

| RACK R01 | | | |
|----------|--------------------------|-------|---------------|
| R/U | EQUIPMENT | # / W | DESCRIPTION |
| 1 | ACTIVE NETWORK EQUIPMENT | | |
| 2 | CABLE MANAGEMENT | | |
| 3 | | | |
| 4 | COPPER PATCH PANEL | 48 | PATCH PANEL A |
| 5 | | | |
| 6 | COPPER PATCH PANEL | 48 | PATCH PANEL B |
| 7 | | | |
| 8 | CABLE MANAGEMENT | | |
| 9 | | | |
| 10 | | | |
| 11 | NETWORK EDGE SWITCH | 48 | |
| 12 | NETWORK EDGE SWITCH | 48 | |
| 13 | NEW 24-PORT CAT6A PP | 24 | FOR NEW WAP'S |
| 14 | | | |
| 15 | | | |
| 16 | | | |
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| 40 | | | |
| 41 | ACTIVE NETWORK EQUIPMENT | | APC |
| 42 | | | |

NOTES:

1. CONTRACTOR TO PROVIDE NEW 24-PORT CAT6A PATCH PANEL.
2. TERMINATE NEW CAT6A CABLING TO EXISTING LOCATION OF WIFI ACCESS POINT.
3. CAT6A ORANGE PATCH CABLE SHALL BE USED FOR ALL WIFI ACCESS POINT.



Revisions:

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PCCA WiFi UPGRADES
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 PENNSYLVANIA
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 AUTHORITY (PCCA)

**SPECIAL SYSTEMS
 ENLARGED PLANS 19**

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|----------------|------------|
| Project Number | 128620.001 |
| Date | 2022-08-29 |
| Drawn By | TB |
| Checked By | EH |
| SS4.019 | |
| Scale | AS NOTED |

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GENERAL NOTES:

- CONTRACTOR TO PROVIDE NEW CAT6A PATCH PANEL TO TERMINATE NEW WIRELESS ACCESS POINT DEVICES.

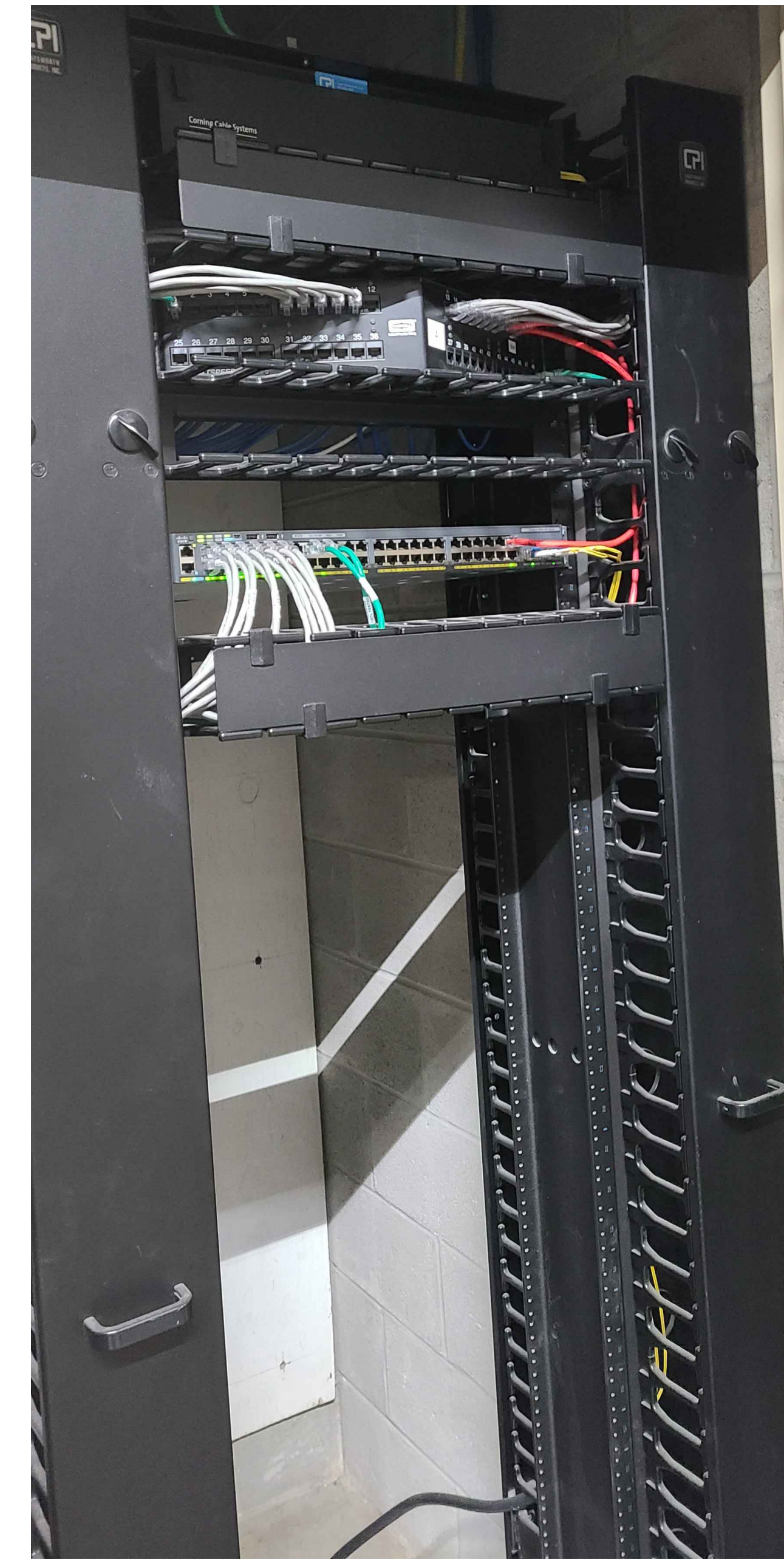
| RACK R01 | | | |
|----------|--------------------------|-------|---------------|
| RU | EQUIPMENT | # / W | DESCRIPTION |
| 1 | ACTIVE NETWORK EQUIPMENT | | |
| 2 | | | |
| 3 | CABLE MANAGEMENT | | |
| 4 | | | |
| 5 | COPPER PATCH PANEL | 48 | PATCH PANEL A |
| 6 | | | |
| 7 | COPPER PATCH PANEL | 48 | PATCH PANEL B |
| 8 | | | |
| 9 | | | |
| 10 | COPPER PATCH PANEL | 48 | PATCH PANEL C |
| 11 | | | |
| 12 | CABLE MANAGEMENT | | |
| 13 | NETWORK EDGE SWITCH | 48 | |
| 14 | NEW 24-PORT CAT6A PP | 24 | FOR NEW WAPS |
| 15 | | | |
| 16 | | | |
| 17 | | | |
| 18 | | | |
| 19 | ACTIVE NETWORK EQUIPMENT | | |
| 20 | | | |
| 21 | | | |
| 22 | | | |
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| 40 | | | |
| 41 | ACTIVE NETWORK EQUIPMENT | | APC |
| 42 | | | |

NOTES:

- CONTRACTOR TO PROVIDE NEW 24-PORT CAT6A PATCH PANEL.
- TERMINATE NEW CAT6A CABLING TO EXISTING LOCATION OF WIFI ACCESS POINT.
- CAT6A ORANGE PATCH CABLE SHALL BE USED FOR ALL WIFI ACCESS POINT.

1 SPECIAL SYSTEMS ENLARGED PLANS 20 - XI
Scale: NOT TO SCALE

EXISTING RACK



GENERAL NOTES:

- NO WORK IS REQUIRED IN THIS IDF. PICTURE SHOWN FOR REFERENCE.

2 SPECIAL SYSTEMS ENLARGED PLANS 20 - XJ
Scale: NOT TO SCALE

Architect

Civil Engineer

Structural Engineer



Key Plan

Seal



Revisions:

| NO. | DESCRIPTION | DATE |
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PCCA WiFi UPGRADES
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AUTHORITY (PCCA)

**SPECIAL SYSTEMS
ENLARGED PLANS 20**

Project Number 128620.001
Date 2022-08-29
Drawn By TB
Checked By EH

Scale 100% SUBMISSION
AS NOTED

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GENERAL NOTES:

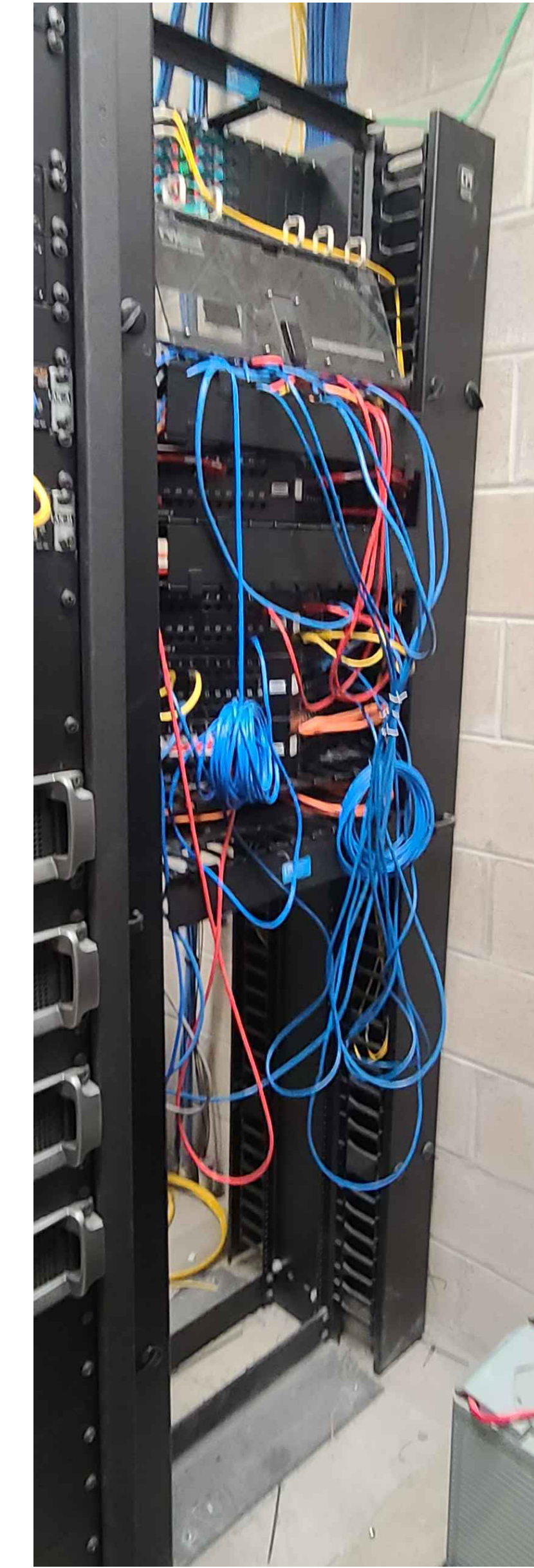
- CONTRACTOR TO PROVIDE NEW CAT6A PATCH PANEL TO TERMINATE NEW WIRELESS ACCESS POINT DEVICES.

| RACK R01 | | | |
|----------|-----------------------------|-----------|---------------------|
| RU | EQUIPMENT | # / W | DESCRIPTION |
| 1 | ACTIVE NETWORK EQUIPMENT | | 24 MM TO XMD F A/B |
| 2 | | | 12 SM TO XMD F C/D |
| 3 | CABLE MANAGEMENT | | |
| 4 | | | |
| 5 | COPPER PATCH PANEL | 48 | PATCH PANEL A |
| 6 | | | |
| 7 | CABLE MANAGEMENT | | |
| 8 | | | |
| 9 | | | |
| 10 | NETWORK EDGE SWITCH | 48 | |
| 11 | NEW 24-PORT CAT6A PP | 24 | FOR NEW WAPS |
| 12 | CABLE MANAGEMENT | | |
| 13 | | | |
| 14 | | | |
| 15 | | | |
| 16 | | | |
| 17 | | | |
| 18 | | | |
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| 41 | ACTIVE NETWORK EQUIPMENT | | APC |
| 42 | | | |

NOTES:

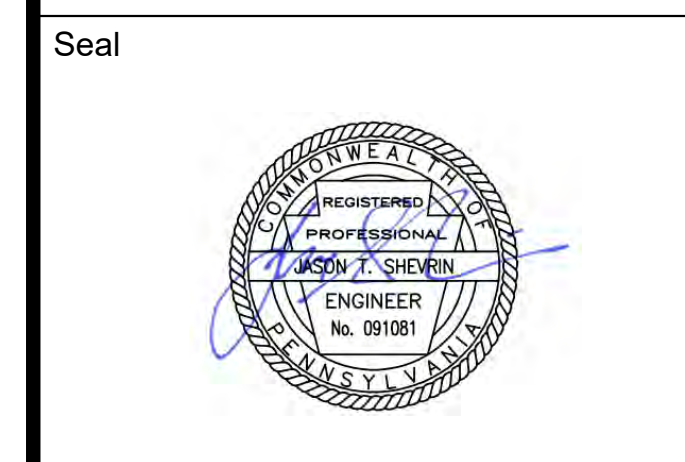
- CONTRACTOR TO PROVIDE NEW 24-PORT CAT6A PATCH PANEL.
- TERMINATE NEW CAT6A CABLING TO EXISTING LOCATION OF WIFI ACCESS POINT.
- CAT6A ORANGE PATCH CABLE SHALL BE USED FOR ALL WIFI ACCESS POINT.

EXISTING RACK



GENERAL NOTES:

- NO WORK IS REQUIRED IN THIS IDF. PICTURE SHOWN FOR REFERENCE.



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PCCA WiFi Upgrades
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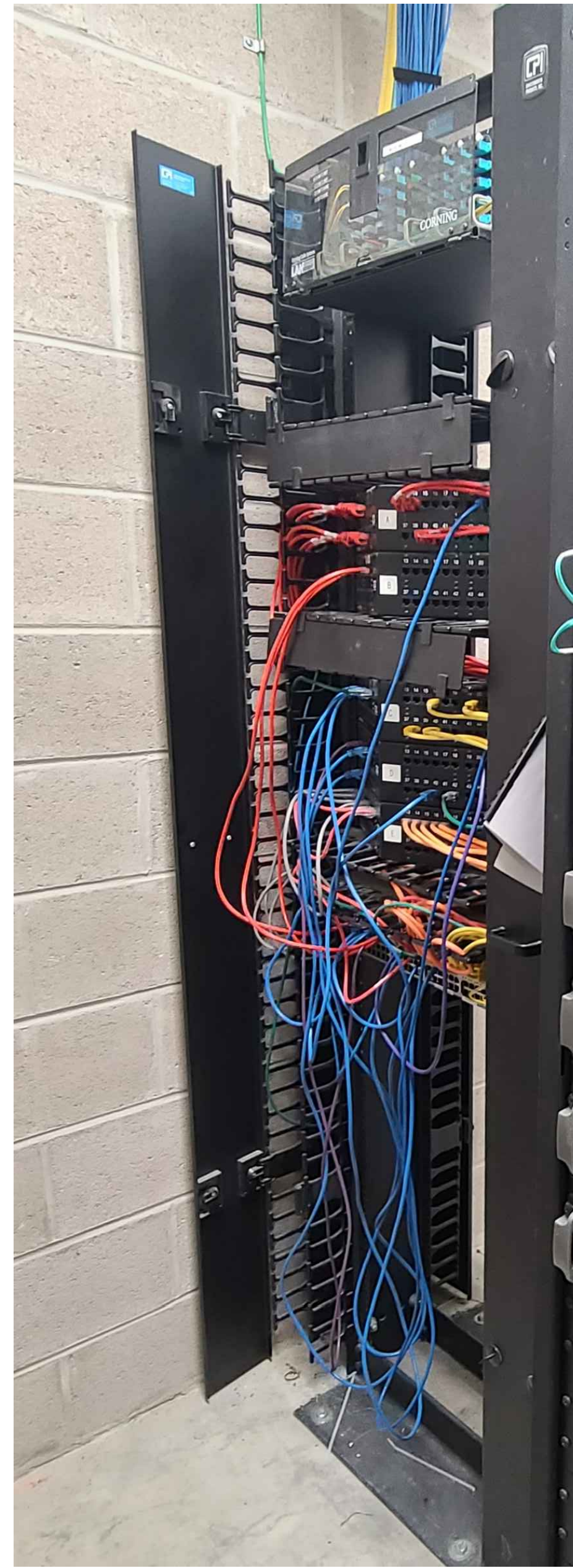
SPECIAL SYSTEMS ENLARGED PLANS 21

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| Project Number | 128620.001 |
| Date | 2022-08-29 |
| Drawn By | TB |
| Checked By | EH |
| SS4.021 | |
| Scale | AS NOTED |

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GENERAL NOTES:

1. NO WORK IS REQUIRED IN THIS IDF. PICTURE SHOWN FOR REFERENCE.

EXISTING RACK



GENERAL NOTES:

1. CONTRACTOR TO PROVIDE NEW CAT6A PATCH PANEL TO TERMINATE NEW WIRELESS ACCESS POINT DEVICES.

| RACK R01 | | | |
|----------|--------------------------|-------|---------------|
| R/U | EQUIPMENT | # / W | DESCRIPTION |
| 1 | | | |
| 2 | | | |
| 3 | ACTIVE NETWORK EQUIPMENT | | |
| 4 | | | |
| 5 | ACTIVE NETWORK EQUIPMENT | | |
| 6 | ACTIVE NETWORK EQUIPMENT | | |
| 7 | ACTIVE NETWORK EQUIPMENT | | |
| 8 | NETWORK EDGE SWITCH | 48 | PRIM |
| 9 | CABLE MANAGEMENT | | |
| 10 | NETWORK EDGE SWITCH | 48 | SEC |
| 11 | | | |
| 12 | COPPER PATCH PANEL | 48 | PATCH PANEL A |
| 13 | | | |
| 14 | COPPER PATCH PANEL | 48 | PATCH PANEL B |
| 15 | | | |
| 16 | CABLE MANAGEMENT | | |
| 17 | | | |
| 18 | COPPER PATCH PANEL | 48 | PATCH PANEL C |
| 19 | | | |
| 20 | COPPER PATCH PANEL | 48 | PATCH PANEL D |
| 21 | | | |
| 22 | ACTIVE NETWORK EQUIPMENT | | |
| 23 | | | |
| 24 | NETWORK EDGE SWITCH | 24 | |
| 25 | NETWORK EDGE SWITCH | 48 | |
| 26 | NEW 24-PORT CAT6A PP | 24 | FOR NEW WAPS |
| 27 | | | |
| 28 | | | |
| 29 | NETWORK EDGE SWITCH | 24 | |
| 30 | | | |
| 31 | | | |
| 32 | | | |
| 33 | | | |
| 34 | NETWORK EDGE SWITCH | 48 | |
| 35 | | | |
| 36 | CABLE MANAGEMENT | | |
| 37 | | | |
| 38 | | | |
| 39 | | | |
| 40 | ACTIVE NETWORK EQUIPMENT | | |
| 41 | | | |
| 42 | | | |

NOTES:

1. CONTRACTOR TO PROVIDE NEW 24-PORT CAT6A PATCH PANEL.
2. TERMINATE NEW CAT6A CABLE TO EXISTING LOCATION OF WIFI ACCESS POINT.
3. CAT6A ORANGE PATCH CABLE SHALL BE USED FOR ALL WIFI ACCESS POINT.

MEP / FP Engineer



ARORA ENGINEERS, INC.
1600 MARKET STREET, SUITE 1630
PHILADELPHIA, PA. 19103
215.372.1365

Architect

Civil Engineer

Structural Engineer



Key Plan

Seal



Revisions:

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**SPECIAL SYSTEMS
ENLARGED PLANS 22**

Project Number 128620.001

Date 2022-08-29

Drawn By TB

Checked By EH

SS4.022

Scale AS NOTED

100% SUBMISSION

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GENERAL NOTES:

- 1. NO WORK IS REQUIRED IN THIS IDF. PICTURE SHOWN FOR REFERENCE.

MEP / FP Engineer



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1600 MARKET STREET, SUITE 1630
PHILADELPHIA, PA. 19103
215.372.1365

Architect

Civil Engineer

Structural Engineer



Key Plan

Seal



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AUTHORITY (PCCA)

**SPECIAL SYSTEMS
ENLARGED PLANS 23**

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| Project Number | 128620.001 |
| Date | 2022-08-29 |
| Drawn By | TB |
| Checked By | EH |

SS4.023

Scale AS NOTED

100% SUBMISSION

Architect
 Civil Engineer
 Structural Engineer

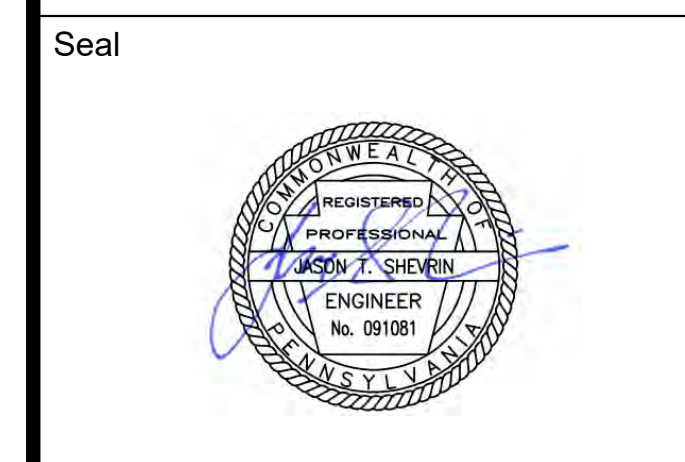
Key Plan



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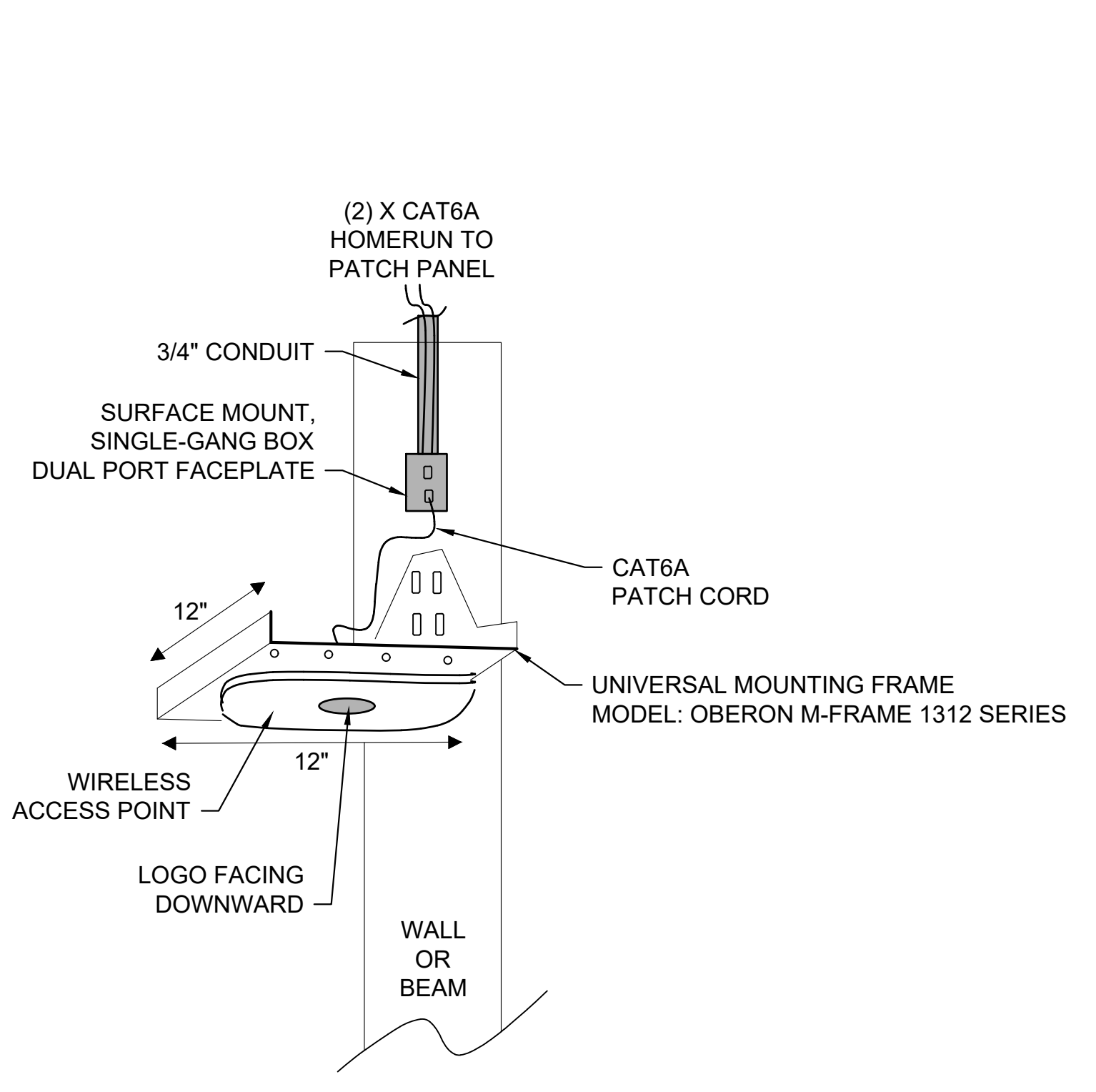
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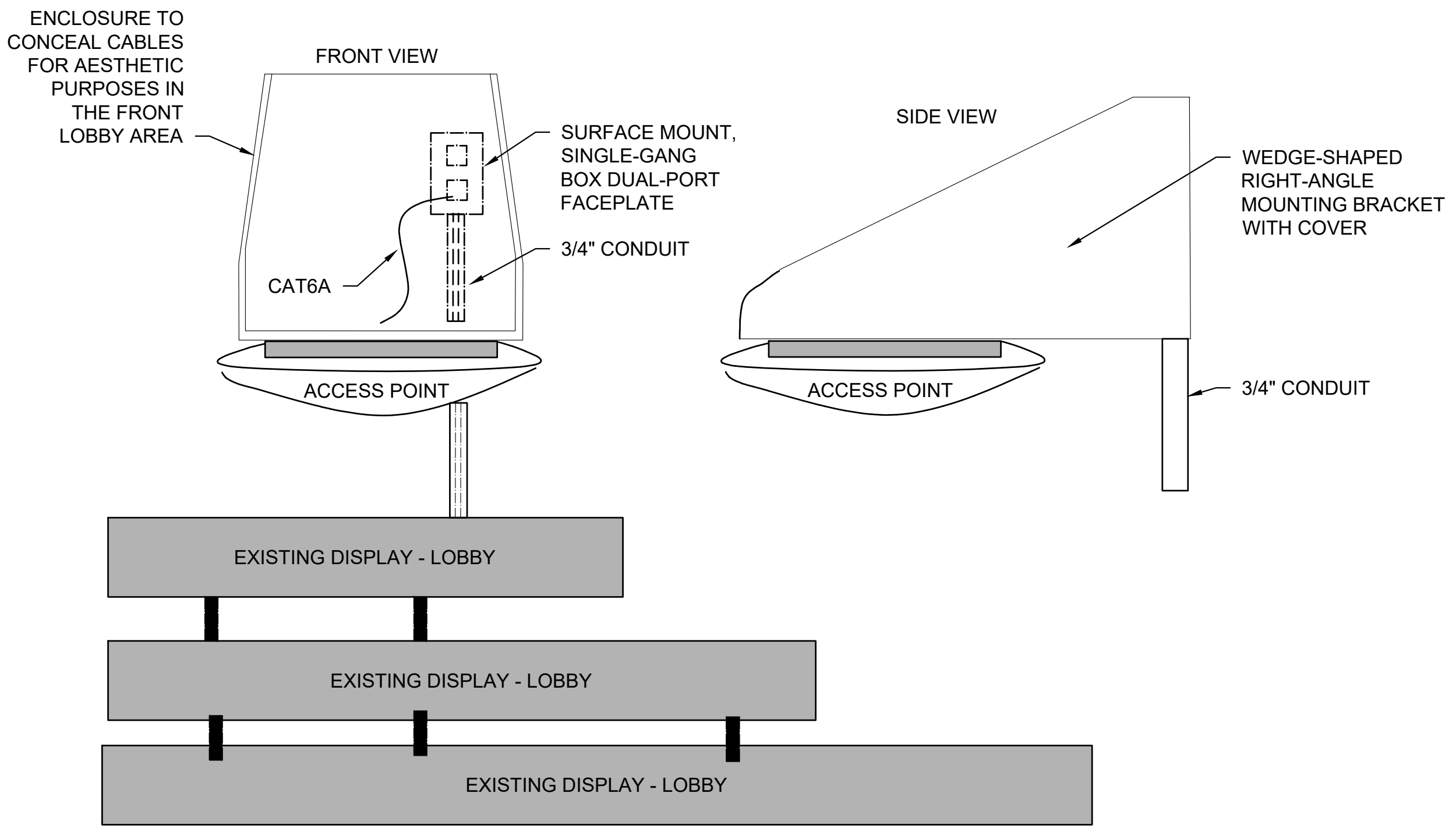
PCCA WiFi UPGRADES
 1101 ARCH STREET
 PHILADELPHIA, PA. 19107
 PENNSYLVANIA
 CONVENTION CENTER
 AUTHORITY (PCCA)

WAP DETAILS

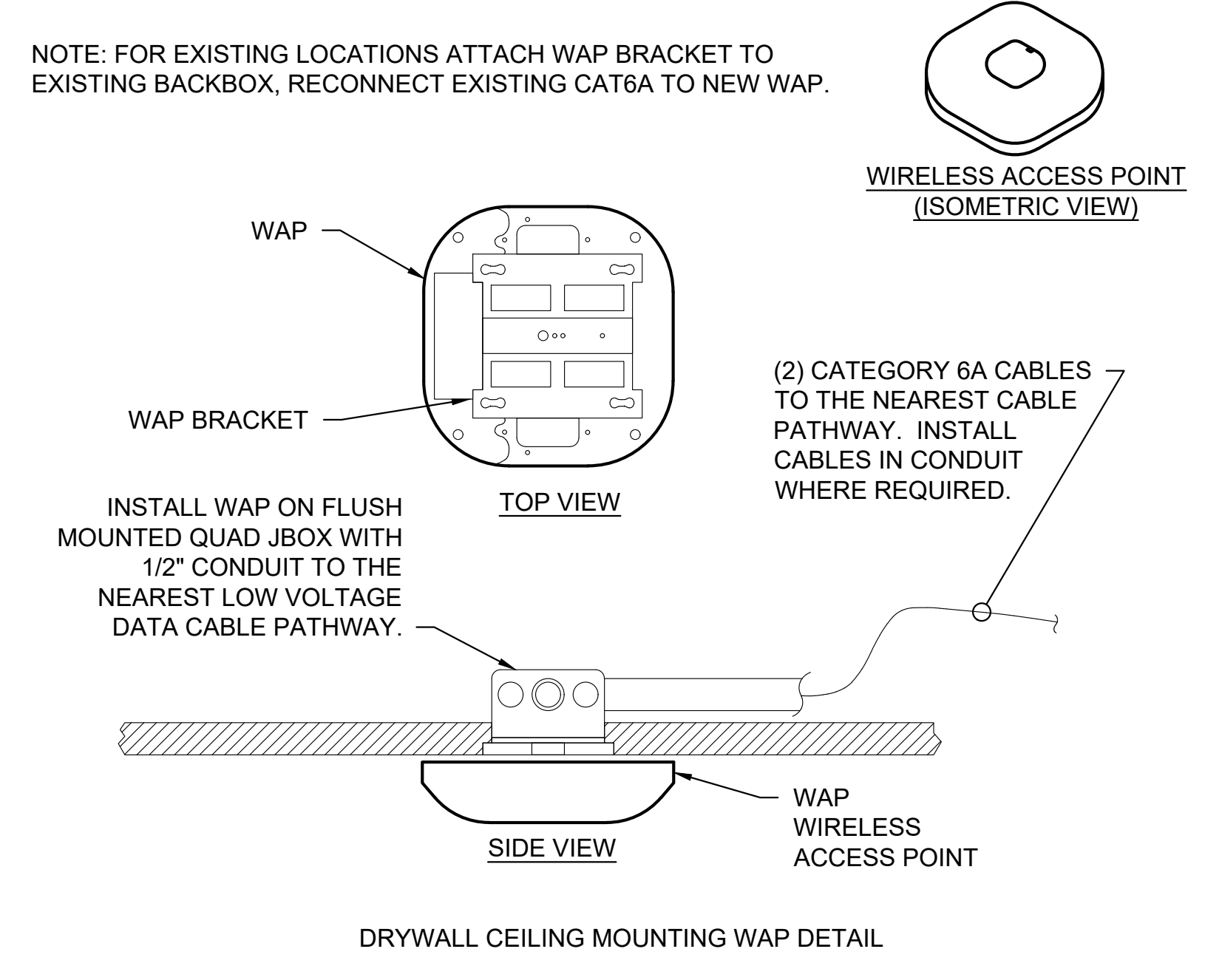
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| Date | 2022-08-29 |
| Drawn By | TB |
| Checked By | EH |
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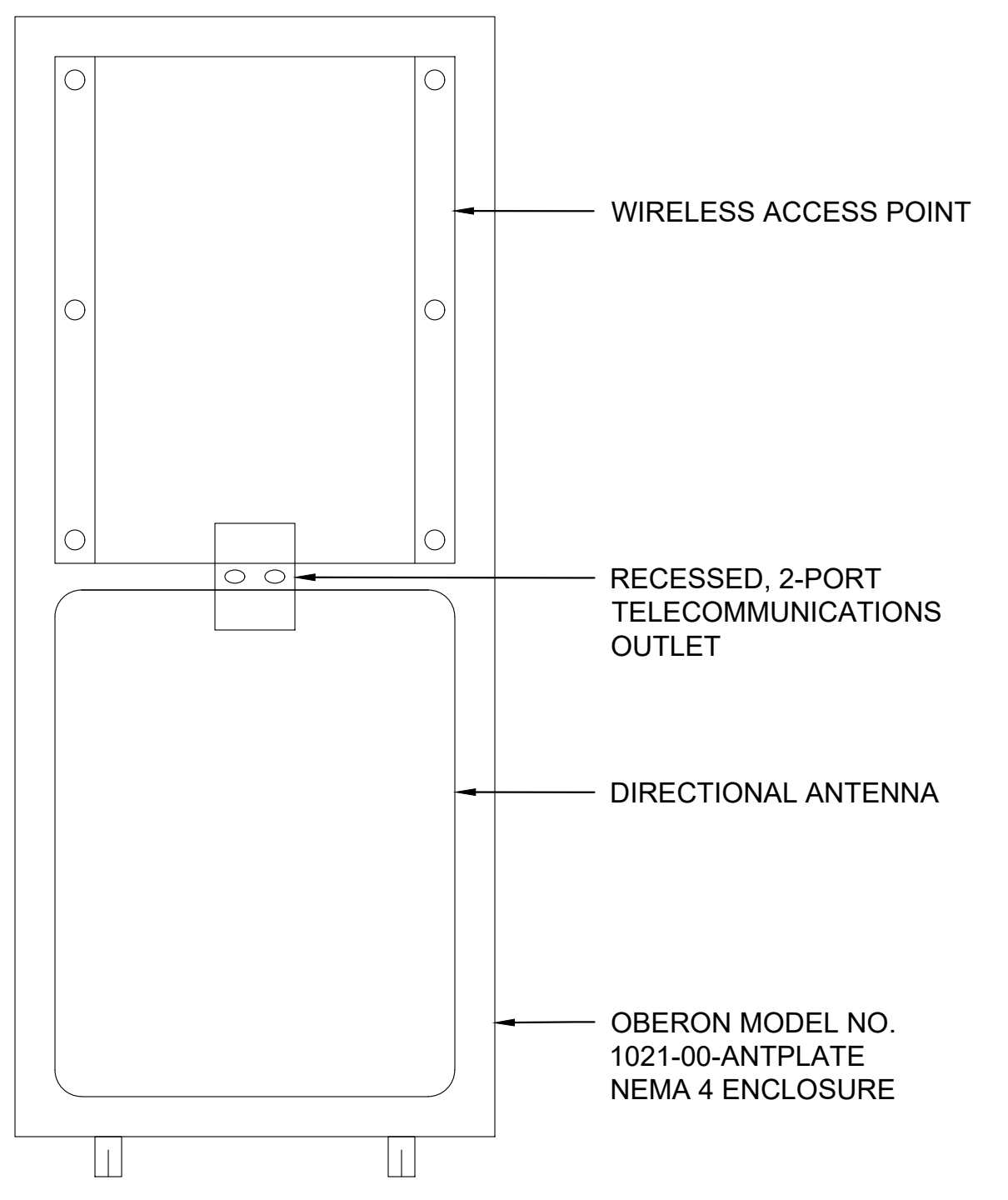
1 TYPICAL, WAP MOUNT DETAIL, TYPE 1
 Scale: NTS



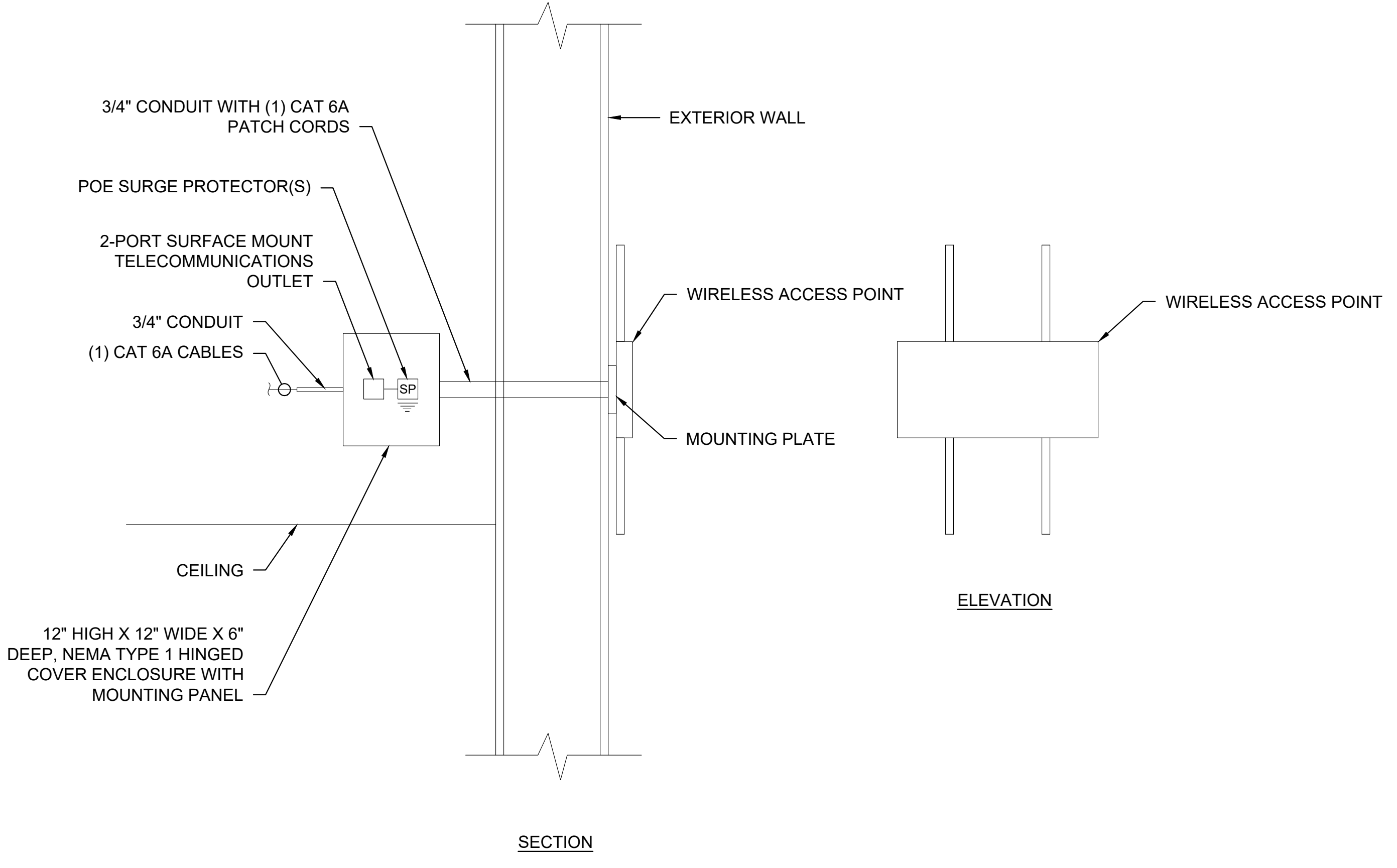
2 TYPICAL, WAP MOUNT DETAIL, TYPE 2
 Scale: NTS



3 TYPICAL, WAP MOUNT DETAIL, TYPE 3
 Scale: NTS



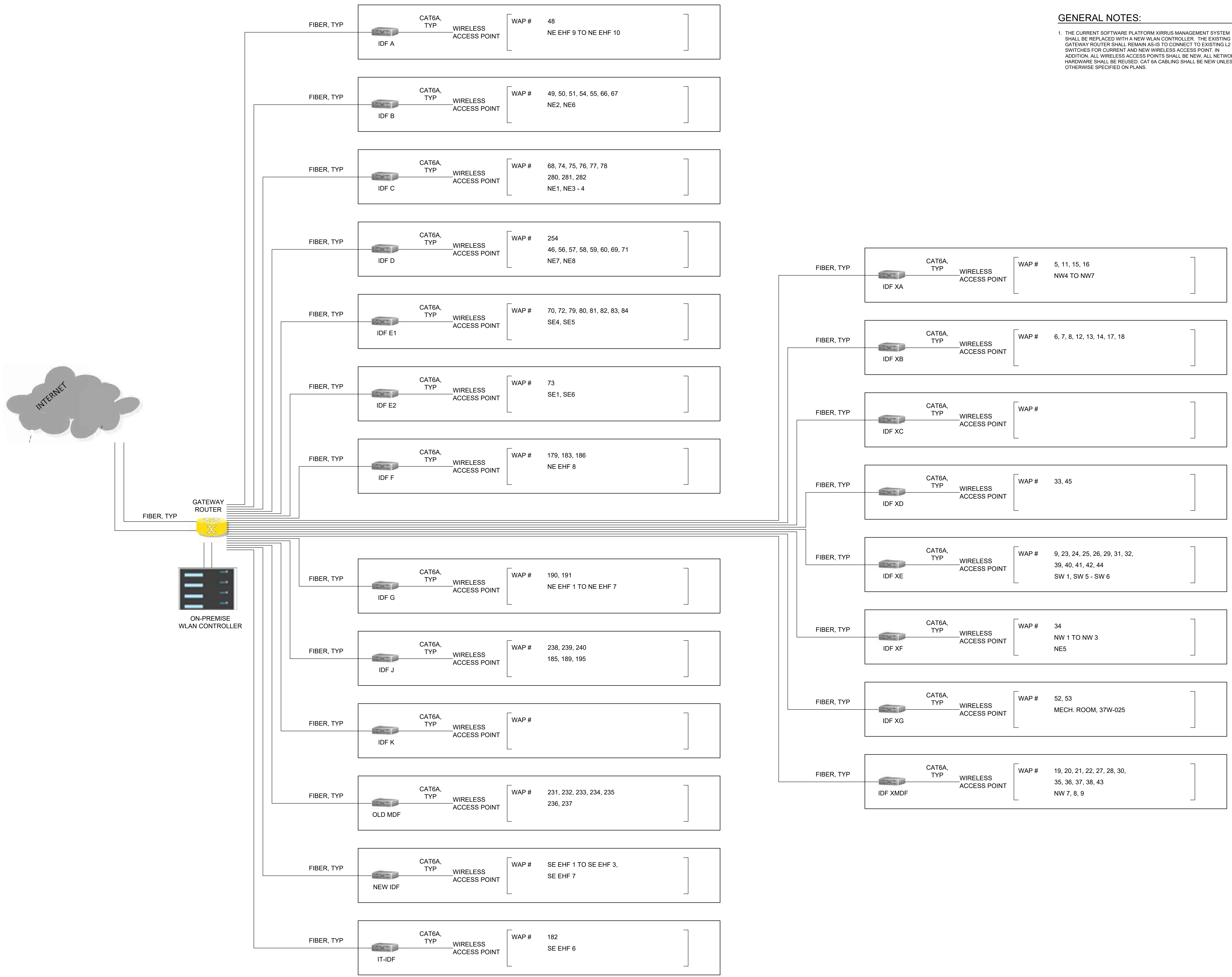
4 TYPICAL INDOOR, DIRECTIONAL, COLUMN-MOUNTED WIRELESS ACCESS POINT (WAP) - TYPE 4
 Scale: NTS



5 TYPICAL OUTDOOR, DIRECTIONAL, WALL-MOUNTED WIRELESS ACCESS POINT (WAP) - TYPE 5
 Scale: NTS

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GENERAL NOTES:

1. THE CURRENT SOFTWARE PLATFORM XIRRUS MANAGEMENT SYSTEM SHALL BE REPLACED WITH A NEW WLAN CONTROLLER. THE EXISTING GATEWAY ROUTER SHALL REMAIN AS-IS TO CONNECT TO EXISTING L2 SWITCHES FOR CURRENT AND NEW WIRELESS ACCESS POINT. IN ADDITION, ALL WIRELESS ACCESS POINTS SHALL BE NEW. ALL NETWORK HARDWARE SHALL BE REUSED. CAT 6A CABLING SHALL BE NEW UNLESS OTHERWISE SPECIFIED ON PLANS.

MEP / FP Engineer

ARORA ENGINEERS, INC.
 1600 MARKET STREET, SUITE 1630
 PHILADELPHIA, PA. 19103
 215.372.1365

Architect

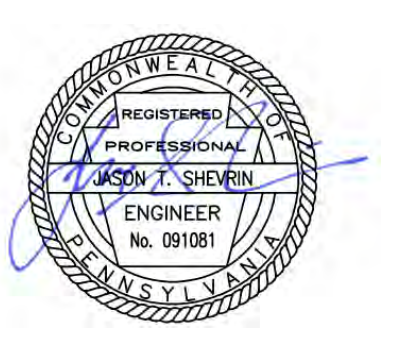
Civil Engineer

Structural Engineer

Pennsylvania Convention Center
 PHILADELPHIA

Key Plan

Seal



Revisions:

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 PHILADELPHIA, PA. 19107
 PENNSYLVANIA
 CONVENTION CENTER
 AUTHORITY (PCCA)

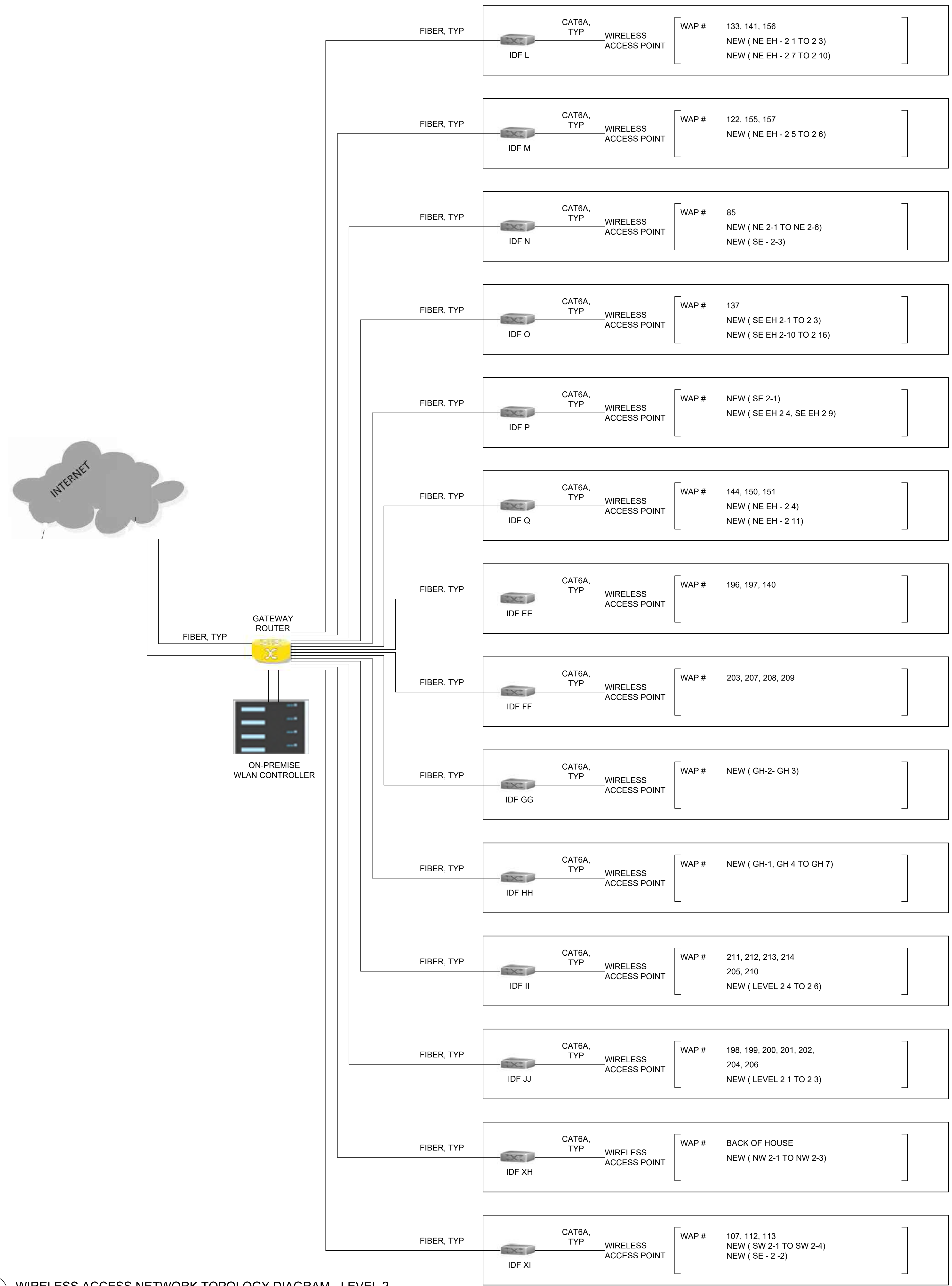
WIRELESS ACCESS NETWORK TOPOLOGY DIAGRAM - LEVEL 1

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| Project Number | 128620.001 |
| Date | 2022-08-29 |
| Drawn By | TB |
| Checked By | EH |
| SS6.001 | |
| Scale | AS NOTED |

1 WIRELESS ACCESS NETWORK TOPOLOGY DIAGRAM - LEVEL 1
 SS6.001 Scale: NTS

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THIS DRAWING IS FORMATTED TO BE PRINTED AT 36" X 42"



GENERAL NOTES:

- THE CURRENT SOFTWARE PLATFORM XIRRUS MANAGEMENT SYSTEM SHALL BE REPLACED WITH A NEW WLAN CONTROLLER. THE EXISTING GATEWAY ROUTER SHALL REMAIN AS-IS TO CONNECT TO EXISTING L2 SWITCHES FOR CURRENT AND NEW WIRELESS ACCESS POINT. IN ADDITION, ALL WIRELESS ACCESS POINTS SHALL BE NEW. ALL NETWORK HARDWARE SHALL BE REUSED, CAT 6A CABLING SHALL BE NEW UNLESS OTHERWISE SPECIFIED ON PLANS.

MEP / FP Engineer

ARORA ENGINEERS, INC.
1600 MARKET STREET, SUITE 1630
PHILADELPHIA, PA. 19103
215.372.1365

Architect

Civil Engineer

Structural Engineer

Key Plan

Seal

Revisions:

| NO. | DESCRIPTION | DATE |
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PENNSYLVANIA
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AUTHORITY (PCCA)

WIRELESS ACCESS NETWORK TOPOLOGY DIAGRAM - LEVEL 2

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|----------------|------------|
| Project Number | 128620.001 |
| Date | 2022-08-29 |
| Drawn By | TB |
| Checked By | EH |

SS6.002

Scale AS NOTED

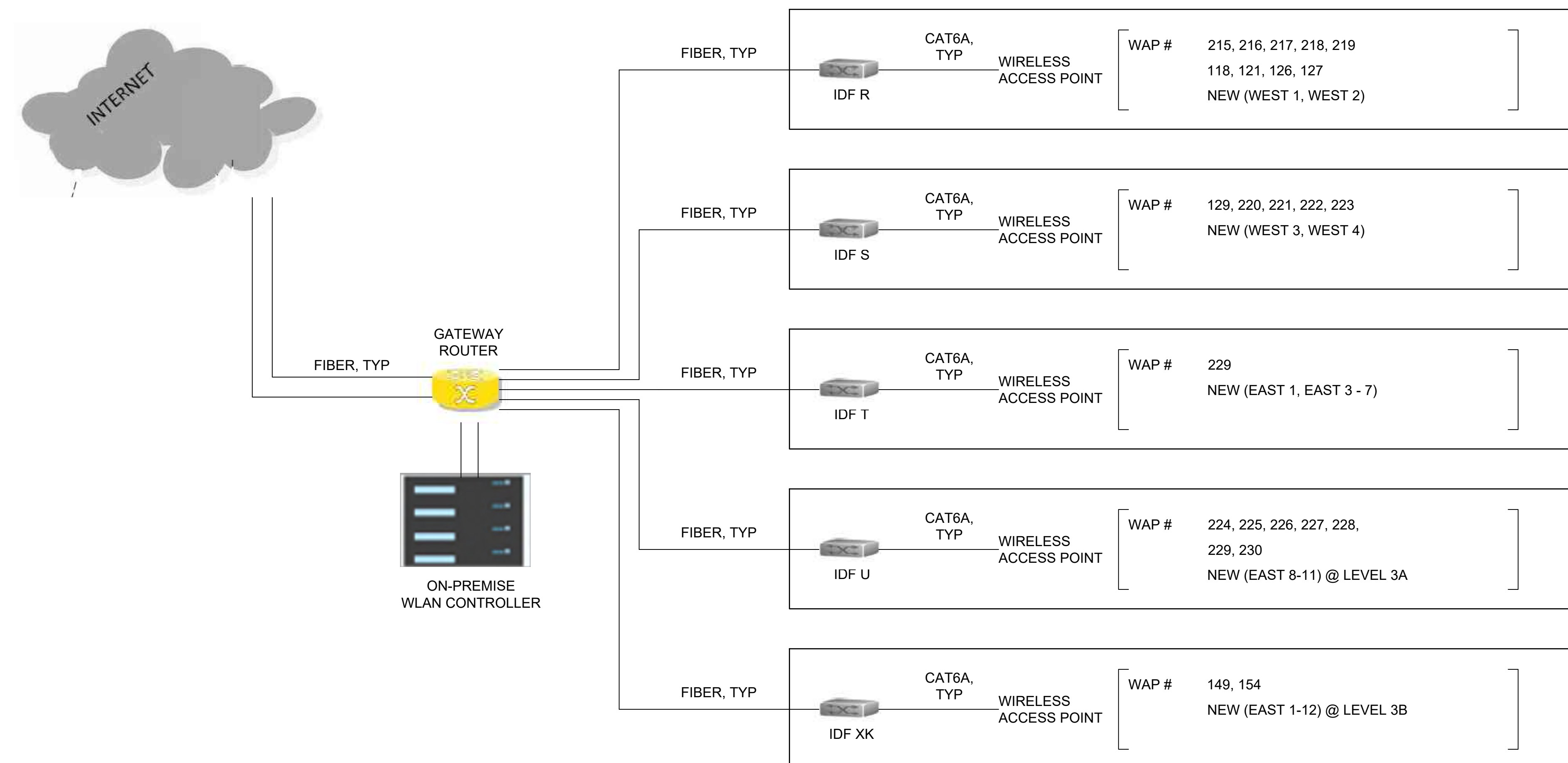
1 WIRELESS ACCESS NETWORK TOPOLOGY DIAGRAM - LEVEL 2
SS6.002 Scale: NTS

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THIS DRAWING IS FORMATTED TO BE PRINTED AT 36" X 42"

GENERAL NOTES:

1. THE CURRENT SOFTWARE PLATFORM XIRBUS MANAGEMENT SYSTEM SHALL BE REPLACED WITH A NEW WLAN CONTROLLER. THE EXISTING GATEWAY ROUTER SHALL REMAIN AS-IS TO CONNECT TO EXISTING L2 SWITCHES FOR CURRENT AND NEW WIRELESS ACCESS POINT. IN ADDITION, ALL WIRELESS ACCESS POINTS SHALL BE NEW. ALL NETWORK HARDWARE SHALL BE REUSED. CAT 6A CABLING SHALL BE NEW UNLESS OTHERWISE SPECIFIED ON PLANS.



MEP / FP Engineer



ARORA ENGINEERS, INC.
1600 MARKET STREET, SUITE 1630
PHILADELPHIA, PA. 19103
215.372.1365

Architect

Civil Engineer

Structural Engineer



Key Plan

Seal



Revisions:

| NO. | DESCRIPTION | DATE |
|-----|-------------|------|
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PCCA WiFi Upgrades

1101 ARCH STREET
PHILADELPHIA, PA. 19107
PENNSYLVANIA
CONVENTION CENTER
AUTHORITY (PCCA)

WIRELESS ACCESS NETWORK TOPOLOGY DIAGRAM - LEVEL 3

| | |
|----------------|------------|
| Project Number | 128620.001 |
| Date | 2022-08-29 |
| Drawn By | TB |
| Checked By | EH |

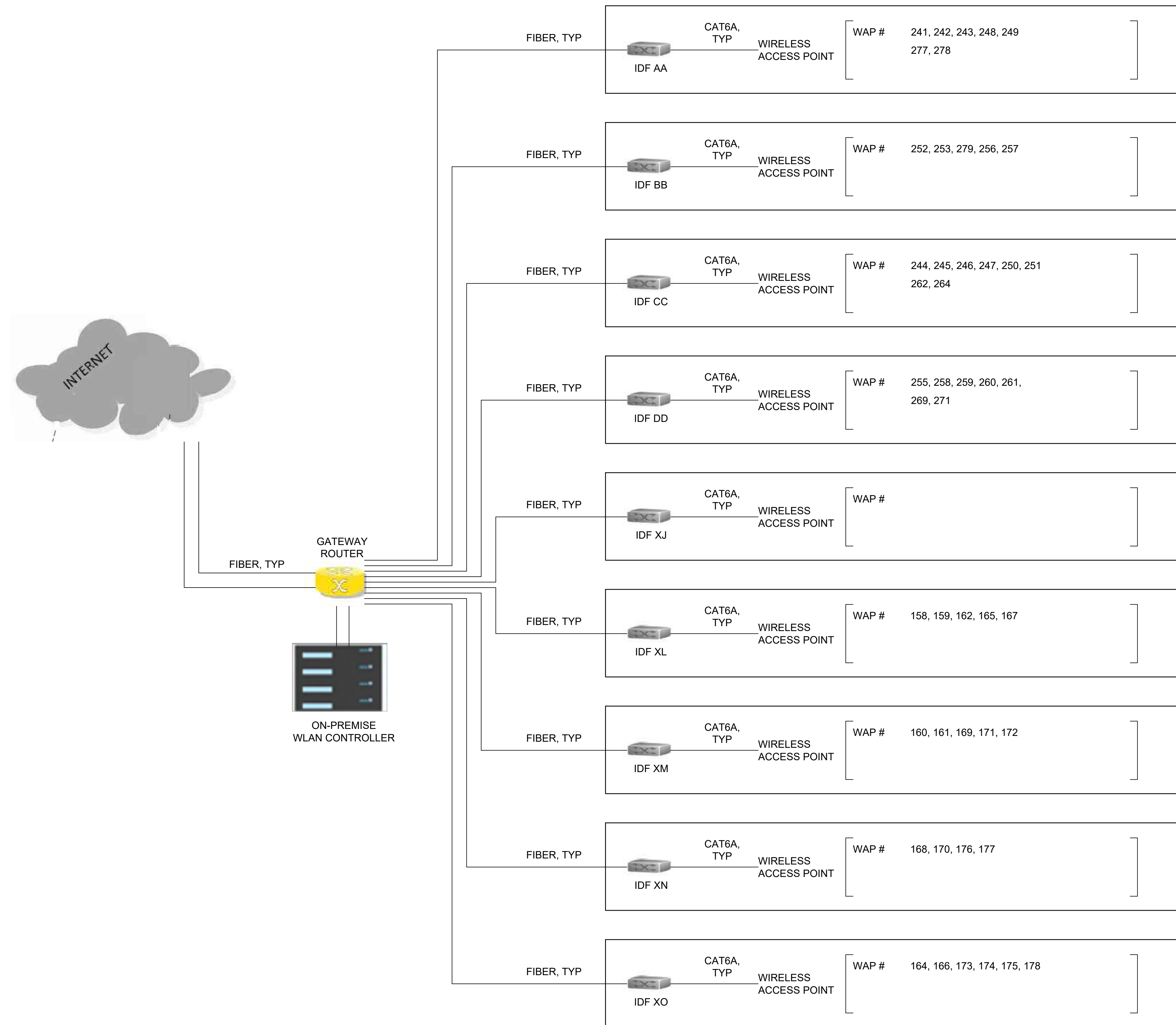
SS6.003

Scale AS NOTED

1 WIRELESS ACCESS NETWORK TOPOLOGY DIAGRAM - LEVEL 3
Scale: NTS

GENERAL NOTES:

1. THE CURRENT SOFTWARE PLATFORM XIRRUS MANAGEMENT SYSTEM SHALL BE REPLACED WITH A NEW WLAN CONTROLLER. THE EXISTING GATEWAY ROUTER SHALL REMAIN AS-IS TO CONNECT TO EXISTING L2 SWITCHES FOR CURRENT AND NEW WIRELESS ACCESS POINT. IN ADDITION, ALL WIRELESS ACCESS POINTS SHALL BE NEW. ALL NETWORK HARDWARE SHALL BE REUSED. CAT 6A CABLING SHALL BE NEW UNLESS OTHERWISE SPECIFIED ON PLANS.



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Key Plan

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Revisions:

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PCCA WiFi UPGRADES

1101 ARCH STREET
PHILADELPHIA, PA. 19107
PENNSYLVANIA
CONVENTION CENTER
AUTHORITY (PCCA)

WIRELESS ACCESS NETWORK TOPOLOGY DIAGRAM - LEVEL 5

| | |
|----------------|------------|
| Project Number | 128620.001 |
| Date | 2022-08-29 |
| Drawn By | TB |
| Checked By | EH |

SS6.004

Scale AS NOTED

1 WIRELESS ACCESS NETWORK TOPOLOGY DIAGRAM - LEVEL 5
SS6.004 Scale: NTS



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Civil Engineer

Structural Engineer



Key Plan

Seal



Revisions:

| NO. | DESCRIPTION | DATE |
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PCCA WiFi UPGRADES
1101 ARCH STREET
PHILADELPHIA, PA. 19107
PENNSYLVANIA
CONVENTION CENTER
AUTHORITY (PCCA)

SCHEDULES

Project Number 128620.001

Date 2022-08-29

Drawn By TB

Checked By EH

SS7.001

Scale AS NOTED

| Sheet no. | Floor Plan Location | Room Location | Wireless Access Point # | Level | (E) Wireless Model - Cloud managed | (New) Wireless Model WiFi 6 - ON-PREM MANAGED | (E) Patch Panel | (N) CAT6A Patch Panel | CAT6A Cabling | Equipment Room Terminations | Notes |
|-----------|---------------------|---------------|-------------------------|-------|------------------------------------|---|-----------------|-----------------------|---------------|---|--------------------------------|
| SS2.101 | North West | | 1 | 1 | Xirrus | CISCO | Y | - | - | - | Replace existing WAP to WiFi 6 |
| | | | 2 | 1 | Xirrus | CISCO | Y | - | - | - | Replace existing WAP to WiFi 6 |
| | | | 3 | 1 | Xirrus | CISCO | Y | - | - | - | Replace existing WAP to WiFi 6 |
| | | | 4 | 1 | Xirrus | CISCO | Y | - | - | - | Replace existing WAP to WiFi 6 |
| | | | 5 | 1 | Xirrus | CISCO | Y | - | - | - | Replace existing WAP to WiFi 6 |
| | | | 10 | 1 | Xirrus | CISCO | Y | - | - | - | Replace existing WAP to WiFi 6 |
| | | 123 | 11 | 1 | Xirrus | CISCO | Y | - | - | - | Replace existing WAP to WiFi 6 |
| | | | 15 | 1 | Xirrus | CISCO | Y | - | - | - | Replace existing WAP to WiFi 6 |
| | | | 16 | 1 | Xirrus | CISCO | Y | - | - | - | Replace existing WAP to WiFi 6 |
| | | 122 B | 19 | 1 | Xirrus | CISCO | Y | - | - | - | Replace existing WAP to WiFi 6 |
| | | 122 A | 20 | 1 | Xirrus | CISCO | Y | - | - | - | Replace existing WAP to WiFi 6 |
| | | 121 C | 21 | 1 | Xirrus | CISCO | Y | - | - | - | Replace existing WAP to WiFi 6 |
| | | 113 B | 27 | 1 | Xirrus | CISCO | Y | - | - | - | Replace existing WAP to WiFi 6 |
| | | | 30 | 1 | Xirrus | CISCO | Y | - | - | - | Replace existing WAP to WiFi 6 |
| | | 115 A | 35 | 1 | Xirrus | CISCO | Y | - | - | - | Replace existing WAP to WiFi 6 |
| | | 115 B | 36 | 1 | Xirrus | CISCO | Y | - | - | - | Replace existing WAP to WiFi 6 |
| | | 115 C | 37 | 1 | Xirrus | CISCO | Y | - | - | - | Replace existing WAP to WiFi 6 |
| | | | WAP-XX | 1 | Xirrus | CISCO | Y | - | - | - | Replace existing WAP to WiFi 6 |
| | | | NW 1 | 1 | CISCO | Y | - | Y | IDF XF | Additional WAP, Terminate to existing patch panel | |
| | | | NW 2 | 1 | CISCO | Y | - | Y | IDF XF | Additional WAP, Terminate to existing patch panel | |
| | | | NW 3 | 1 | CISCO | Y | - | Y | IDF XF | Additional WAP, Terminate to existing patch panel | |
| | | | NW 4 | 1 | CISCO | - | Y | Y | IDF XA | Additional WAP for coverage | |
| | | | NW 5 | 1 | CISCO | - | Y | Y | IDF XA | Additional WAP for coverage | |
| | | | NW 6 | 1 | CISCO | - | Y | Y | IDF XA | Additional WAP for coverage | |
| | | | NW 7 | 1 | CISCO | - | Y | Y | IDF XA | Additional WAP for coverage | |
| | | | NW 8 | 1 | CISCO | - | Y | Y | IDF XMDF | Additional WAP for coverage | |
| | | | NW 9 | 1 | CISCO | - | Y | Y | IDF XMDF | Additional WAP for coverage | |
| | | | NW 10 | 1 | CISCO | - | Y | Y | IDF XMDF | Additional WAP for coverage | |
| | | | NW 11 | 1 | CISCO | - | Y | Y | IDF XF | Additional WAP for coverage | |
| | | | NW 12 | 1 | CISCO | - | Y | Y | IDF XF | Additional WAP for coverage | |

| Sheet no. | Floor Plan Location | Room Location | Wireless Access Point # | Level | (E) Wireless Model - Cloud managed | (New) Wireless Model WiFi 6 - ON-PREM MANAGED | (E) Patch Panel | (N) CAT6A Patch Panel | CAT6A Cabling | Equipment Room Terminations | Notes |
|-----------|---------------------|---------------|-------------------------|-------|------------------------------------|---|-----------------|-----------------------|---------------|-----------------------------|--------------------------------|
| SS2.104 | South East | | 44 | 1 | Xirrus | CISCO | Y | - | - | - | Replace existing WAP to WiFi 6 |
| | | | 45 | 1 | Xirrus | CISCO | Y | - | - | - | Replace existing WAP to WiFi 6 |
| | | 108 A | 47 | 1 | Xirrus | CISCO | Y | - | - | - | Replace existing WAP to WiFi 6 |
| | | | 61 | 1 | Xirrus | CISCO | Y | - | - | - | Replace existing WAP to WiFi 6 |
| | | 112 A | 62 | 1 | Xirrus | CISCO | Y | - | - | - | Replace existing WAP to WiFi 6 |
| | | 111 B | 63 | 1 | Xirrus | CISCO | Y | - | - | - | Replace existing WAP to WiFi 6 |
| | | 110 B | 64 | 1 | Xirrus | CISCO | Y | - | - | - | Replace existing WAP to WiFi 6 |
| | | 109 B | 65 | 1 | Xirrus | CISCO | Y | - | - | - | Replace existing WAP to WiFi 6 |
| | | | 70 | 1 | Xirrus | CISCO | Y | - | - | - | Replace existing WAP to WiFi 6 |
| | | | 71 | 1 | Xirrus | CISCO | Y | - | - | - | Replace existing WAP to WiFi 6 |
| | | 108 B | 72 | 1 | Xirrus | CISCO | Y | - | - | - | Replace existing WAP to WiFi 6 |
| | | | 73 | 1 | Xirrus | CISCO | Y | - | - | - | Replace existing WAP to WiFi 6 |
| | | 104 B | 78 | 1 | Xirrus | CISCO | Y | - | - | - | Replace existing WAP to WiFi 6 |
| | | 105 B | 79 | 1 | Xirrus | CISCO | Y | - | - | - | Replace existing WAP to WiFi 6 |
| | | 106 B | 80 | 1 | Xirrus | CISCO | Y | - | - | - | Replace existing WAP to WiFi 6 |
| | | 107B | 81 | 1 | Xirrus | CISCO | Y | - | - | - | Replace existing WAP to WiFi 6 |
| | | | 82 | 1 | Xirrus | CISCO | Y | - | - | - | Replace existing WAP to WiFi 6 |
| | | | 83 | 1 | Xirrus | CISCO | Y | - | - | - | Replace existing WAP to WiFi 6 |
| | | | 84 | 1 | Xirrus | CISCO | Y | - | - | - | Replace existing WAP to WiFi 6 |
| | | | SE 1 | 1 | - | CISCO | - | Y | Y | IDF E2 | Additional WAP for coverage |
| | | | SE 2 | 1 | - | CISCO | - | Y | Y | IDF F2 | Additional WAP for coverage |
| | | | SE 3 | 1 | - | CISCO | - | Y | Y | IDF F2 | Additional WAP for coverage |
| | | | SE 4 | 1 | - | CISCO | - | Y | Y | IDF E1 | Additional WAP for coverage |
| | | | SE 5 | 1 | - | CISCO | - | Y | Y | IDF E1 | Additional WAP for coverage |
| | | | SE 6 | 1 | - | CISCO | - | Y | Y | IDF E2 | Additional WAP for coverage |

| Sheet no. | Floor Plan Location | Room Location | Wireless Access Point # | Level | (E) Wireless Model - Cloud managed | (New) Wireless Model WiFi 6 - ON-PREM MANAGED | (E) Patch Panel | (N) CAT6A Patch Panel | CAT6A Cabling | Equipment Room Terminations | Notes |
|-----------|---------------------|---------------|-------------------------|-------|------------------------------------|---|-----------------|-----------------------|---------------|-----------------------------|--------------------------------|
| SS2.102 | South West | | 6 | 1 | Xirrus | CISCO | Y | - | - | - | Replace existing WAP to WiFi 6 |
| | | | 7 | 1 | Xirrus | CISCO | Y | - | - | - | Replace existing WAP to WiFi 6 |
| | | 126A | 8 | 1 | Xirrus | CISCO | Y | - | - | - | Replace existing WAP to WiFi 6 |
| | | | 9 | 1 | Xirrus | CISCO | Y | - | - | - | Replace existing WAP to WiFi 6 |
| | | | 12 | 1 | Xirrus | CISCO | Y | - | - | - | Replace existing WAP to WiFi 6 |
| | | | 13 | 1 | Xirrus | CISCO | Y | - | - | - | Replace existing WAP to WiFi 6 |
| | | 126B | 14 | 1 | Xirrus | CISCO | Y | - | - | - | Replace existing WAP to WiFi 6 |
| | | | 17 | 1 | Xirrus | CISCO | Y | - | - | - | Replace existing WAP to WiFi 6 |
| | | | 18 | 1 | Xirrus | CISCO | Y | - | - | - | Replace existing WAP to WiFi 6 |
| | | 121B | 22 | 1 | Xirrus | CISCO | Y | - | - | - | Replace existing WAP to WiFi 6 |
| | | 121A | 23 | 1 | Xirrus | CISCO | Y | - | - | - | Replace existing WAP to WiFi 6 |
| | | 120C | 24 | 1 | Xirrus | CISCO | Y | - | - | - | Replace existing WAP to WiFi 6 |
| | | 120B | 25 | 1 | Xirrus | CISCO | Y | - | - | - | Replace existing WAP to WiFi 6 |
| | | 120A | 26 | 1 | Xirrus | CISCO | Y | - | - | - | Replace existing WAP to WiFi 6 |
| | | 121 C | 28 | 1 | Xirrus | CISCO | Y | - | - | - | Replace existing WAP to WiFi 6 |
| | | 113 B | 29 | 1 | Xirrus | CISCO | Y | - | - | - | Replace existing WAP to WiFi 6 |
| | | 119A | 31 | 1 | Xirrus | CISCO | Y | - | - | - | Replace existing WAP to WiFi 6 |
| | | 119B | 32 | 1 | Xirrus | CISCO | Y | - | - | - | Replace existing WAP to WiFi 6 |
| | | 115 B | 33 | 1 | Xirrus | CISCO | Y | - | - | - | Replace existing WAP to WiFi 6 |
| | | 116 | 38 | 1 | Xirrus | CISCO | Y | - | - | - | Replace existing WAP to WiFi 6 |
| | | 117 | 39 | 1 | Xirrus | CISCO | Y | - | - | - | Replace existing WAP to WiFi 6 |
| | | 118A | 40 | 1 | Xirrus | CISCO | Y | - | - | - | Replace existing WAP to WiFi 6 |
| | | 118B | 41 | 1 | Xirrus | CISCO | Y | - | - | - | Replace existing WAP to WiFi 6 |
| | | 118C | 42 | 1 | Xirrus | CISCO | Y | - | - | - | Replace existing WAP to WiFi 6 |
| | | | SW 1 | 1 | CISCO | - | Y | Y | IDF XE | Additional WAP for coverage | |
| | | | SW 2 | 1 | CISCO | - | Y | Y | IDF XB | Additional WAP for coverage | |
| | | | SW 3 | 1 | CISCO | - | Y | Y | IDF XB | Additional WAP for coverage | |
| | | | SW 4 | 1 | CISCO | - | Y | Y | IDF XC | Additional WAP for coverage | |
| | | | SW 5 | 1 | CISCO | - | Y | Y | IDF XE | Additional WAP for coverage | |
| | | | SW 6 | 1 | CISCO | - | Y | Y | IDF XE | Additional WAP for coverage | |
| | | | SW 7 | 1 | CISCO | - | Y | Y | IDF XC | Additional WAP for coverage | |
| | | | SW 8 | 1 | CISCO | - | Y | Y | IDF XC | Additional WAP for coverage | |

| Sheet no. | Floor Plan Location | Room Location | Wireless Access Point # | Level | (E) Wireless Model - Cloud managed | (New) Wireless Model WiFi 6 - ON-PREM MANAGED | (E) Patch Panel | (N) CAT6A Patch Panel | CAT6A Cabling | Equipment Room Terminations | Notes |
|-----------|---------------------|---------------|-------------------------|-------|------------------------------------|---|-----------------|-----------------------|---------------|-----------------------------|---|
| SS2.103 | North East | | 34 | 1 | Xirrus | CISCO | Y | - | - | - | Replace existing WAP to WiFi 6 |
| | | | 43 | 1 | Xirrus | CISCO | Y | - | - | - | Replace existing WAP to WiFi 6 |
| | | | 46 | 1 | Xirrus | CISCO | Y | - | - | - | Replace existing WAP to WiFi 6 |
| | | | 48 | 1 | Xirrus | CISCO | Y | - | - | - | Replace existing WAP to WiFi 6 |
| | | | 49 | 1 | Xirrus | CISCO | Y | - | - | - | Replace existing WAP to WiFi 6 |
| | | | 50 | 1 | Xirrus | CISCO | Y | - | - | - | Replace existing WAP to WiFi 6 |
| | | | 51 | 1 | Xirrus | CISCO | Y | - | - | - | Replace existing WAP to WiFi 6 |
| | | | 52 | 1 | Xirrus | CISCO | Y | - | - | - | Replace existing WAP to WiFi 6 |
| | | | 53 | 1 | Xirrus | CISCO | Y | - | - | - | Replace existing WAP to WiFi 6 |
| | | | 54 | 1 | Xirrus | CISCO | Y | - | - | - | Replace existing WAP to WiFi 6 |
| | | | 55 | 1 | Xirrus | CISCO | Y | - | - | - | Replace existing WAP to WiFi 6 |
| | | | 56 | 1 | Xirrus | CISCO | Y | - | - | - | Replace existing WAP to WiFi 6 |
| | | 113 B | 57 | 1 | Xirrus | CISCO | Y | - | - | - | Replace existing WAP to WiFi 6 |
| | | | 58 | 1 | Xirrus | CISCO | Y | - | - | - | Replace existing WAP to WiFi 6 |
| | | | 59 | 1 | Xirrus | CISCO | Y | - | - | - | Replace existing WAP to WiFi 6 |
| | | 113 C | 60 | 1 | Xirrus | CISCO | Y | - | - | - | Replace existing WAP to WiFi 6 |
| | | | 66 | 1 | Xirrus | CISCO | Y | - | - | - | Replace existing WAP to WiFi 6 |
| | | | 67 | 1 | Xirrus | CISCO | Y | - | - | - | Replace existing WAP to WiFi 6 |
| | | | 68 | 1 | Xirrus | CISCO | Y | - | - | - | Replace existing WAP to WiFi 6 |
| | | | 69 | 1 | Xirrus | CISCO | Y | - | - | - | Replace existing WAP to WiFi 6 |
| | | 102 A | 74 | 1 | Xirrus | CISCO | Y | - | - | - | Replace existing WAP to WiFi 6 |
| | | 103 C | 75 | 1 | Xirrus | CISCO | Y | - | - | - | Replace existing WAP to WiFi 6 |
| | | 103 B | 76 | 1 | Xirrus | CISCO | Y | - | - | - | Replace existing WAP to WiFi 6 |
| | | | 77 | 1 | Xirrus | CISCO | Y | - | - | - | Replace existing WAP to WiFi 6 |
| | | | 282 | 1 | Xirrus | CISCO | Y | - | - | - | Replace existing WAP to WiFi 6 |
| | | | NE 1 | 1 | - | CISCO | - | Y | Y | IDF C | Additional WAP for coverage |
| | | | NE 2 | 1 | - | CISCO | - | Y | Y | IDF B | Additional WAP for coverage |
| | | | NE 3 | 1 | - | CISCO | - | Y | Y | IDF C | Additional WAP for coverage |
| | | | NE 4 | 1 | - | CISCO | - | Y | Y | IDF C | Additional WAP for coverage |
| | | | NE 5 | 1 | - | CISCO | - | Y | Y | IDF XF | Terminate to existing patch panel, Additional WAP |
| | | | NE 6 | 1 | - | CISCO | - | Y | Y | IDF B | Additional WAP for coverage |
| | | | NE 7 | 1 | - | CISCO | - | Y | Y | IDF D | Additional WAP for coverage |
| | | | NE 8 | 1 | - | CISCO | - | Y | Y | IDF D | Additional WAP for coverage |
| | | | NE 9 | 1 | - | CISCO | - | Y | Y | IDF XG | Additional WAP for coverage |
| | | | NE 10 | 1 | - | CISCO | - | Y | Y | IDF XG | Additional WAP for coverage |
| | | | NE 11 | 1 | - | CISCO | - | Y | Y | IDF XG | Additional WAP for coverage |
| | | | NE 12 | 1 | - | CISCO | - | Y | Y | IDF B | Additional WAP for coverage |
| | | | NE 13 | 1 | - | CISCO | - | Y | Y | IDF B | Additional WAP for coverage |
| | | | NE 14 | 1 | - | CISCO | - | Y | Y | IDF B | Additional WAP for coverage |
| | | | NE 15 | 1 | - | CISCO | - | Y | Y | IDF C | Additional WAP for coverage |
| | | | NE 16 | 1 | - | CISCO | - | Y | Y | IDF C | Additional WAP for coverage |

| Sheet no. | Floor Plan Location | Room Location | Wireless Access Point # | Level | (E) Wireless Model - Cloud managed | (New) Wireless Model WiFi 6 - ON-PREM MANAGED | (E) Patch Panel | (N) CAT6A Patch Panel | CAT6A Cabling | Equipment Room Terminations | Notes |
|-----------|---------------------|---------------|-------------------------|-------|------------------------------------|---|-----------------|-----------------------|---------------|-----------------------------|---|
| SS2.106 | SE Exhibit Hall F | | 181 | 1 | Xirrus | CISCO | Y | - | - | - | Replace existing WAP to WiFi 6 |
| | | | 182 | 1 | Xirrus | CISCO | Y | - | - | IT IDF | Replace existing WAP to WiFi 6 |
| | | | 184 | 1 | Xirrus | CISCO | Y | - | - | - | Moved WAP to location SE EHF 4; Replace with WiFi 6 |
| | | | | | | | | | | | |

