



**WATERFORD SCHOOL DISTRICT
WATERFORD, MICHIGAN**

**BID PACKAGE T4
PHONE HANDSETS**

- HANDSET PROCUREMENT
- HANDSET CONFIGURATION
- TRANSPORTATION SPEAKERS

**REQUEST FOR BID PROPOSAL AND SPECIFICATIONS
NOVEMBER 2, 2023**

**Bid Proposal Due Date / Opening:
November 20, 2023 at 2:00 PM local time**

**TECHNOLOGY DESIGNER / :
CONSTRUCTION MANAGER**

**Barton
Malow**

BOND ARCHITECT:

 **FRENCH**associates

**REQUEST FOR PROPOSALS
BID PACKAGE T4: PHONE HANDSETS**

1. STATEMENT OF PURPOSE

- A. Waterford School District (WSD) has an existing Zultys phone system running Zultys MXvirtual on (7) virtual server nodes. The current version for the system is 17.0.10. The existing handsets are no longer available and have reached end of life. This RFP is to replace the existing handsets plus provide related phone system Work for the new Stepanski Early Childhood Center and renovated transportation building, both of which will be completed at separate times in 2024.
1. Barton Malow Builders, LLC (BMB or Designer) is the Technology Designer related to the Work included in this Request for Proposals (RFP).
 2. Barton Malow Builders, LLC (BMB) is the Construction Manager for the Bond Projects
 3. French Associates is the Architect for the new construction and renovations in the Bond Projects.
- B. WSD is requesting Bid Proposals for the purchase and configuration of handsets. The selected vendor will configure the handsets to replace existing. WSD staff will be responsible for physically deploying the handsets and removing the existing handsets.
- C. Vendor will work with WSD to configure the new/additional handsets for the new Stepanski Early Childhood Center expected to open in spring 2024, and provide the equipment/installation to allow paging into the bus drivers lounge as part of the 2024 transportation building remodel project.
- D. District Buildings:

Early Learning & Elementary Schools

- | | |
|------------------------------|---|
| 1. Stepanski Early Childhood | 6010 Hatchery Rd, Waterford Twp, MI 48329 |
| 2. Beaumont Elementary | 6532 Elizabeth Lake Rd, Waterford Twp, MI 48327 |
| 3. Cooley Elementary | 2000 Highfield Rd, Waterford Twp, MI 48329 |
| 4. Donelson Hills Elementary | 2690 Wewoka Rd, Waterford Twp, MI 48328 |
| 5. Grayson Elementary | 3800 W Walton Blvd, Waterford Twp, MI 48329 |
| 6. Haviland Elementary | 5305 Cass Elizabeth Rd, Waterford Twp, MI 48327 |
| 7. Houghton Elementary | 8080 Elizabeth Lake Rd, White Lake, MI 48386 |
| 8. Knudsen Elementary | 5449 Crescent Rd, Waterford Twp, MI 48327 |
| 9. Riverside Elementary | 5280 Farm Rd, Waterford Twp, MI 48327 |
| 10. Schoolcraft Elementary | 6400 Maceday Dr, Waterford Twp, MI 48329 |

Middle Schools

- | | |
|--------------------------|---|
| 11. Mason Middle School | 3835 W Walton Blvd, Waterford Twp, MI 48329 |
| 12. Pierce Middle School | 5145 Hatchery Rd, Waterford Twp, MI 48329 |

High Schools

- | | |
|----------------------------|---|
| 13. Kettering High School | 2800 Kettering Dr, Waterford Twp, MI 48329 |
| 14. Mott High School | 1151 Scott Lake Rd, Waterford Twp, MI 48328 |
| 15. Durant HS / Cray Admin | 501 N Cass Lake Rd, Waterford Twp, MI 48328 |

Other Buildings

- | | |
|--------------------------------------|---|
| 16. Covert Center (District Headend) | 1150 Scott Lake Rd, Waterford Twp, MI 48328 |
| 17. Kingsley Montgomery School | 4265 Halkirk Dr, Waterford Twp, MI 48329 |
| 18. Leggett Senior Center | 3621 Pontiac Lake Rd., Waterford, MI 48328 |
| 19. Maintenance Building | 1145 Tee Cee St, Waterford Twp, MI 48328 |
| 20. Transportation Building | 4584 Pontiac Lake Rd, Waterford Twp, MI 48328 |

- E. The submission of a Bid Proposal shall constitute an offer on behalf of the Bidder to provide equipment and services for 12 months at or below the Bid Proposal pricing / unit pricing if the Owner chooses to purchase additional equipment.

2. SCOPE OF WORK

- A. Provide, configure, and deliver the handsets listed on the attached spreadsheet. Vendors will be responsible for all equipment and shipping. Phones will be shipped to:

Waterford School District
1150 Scott Lake Road
Waterford Twp, MI 48328

- B. Handsets will meet the following requirements as a minimum:

1. Compatibility with existing Zultys system.
2. (2) RJ-45 10/100/1000 Mbps ethernet ports with ability to passthrough to a connected computer.
3. POE power.
4. Duplex speakerphone.
5. Color screen. Standard handsets must include 4 softkeys. Office handset must also contain 6 line appearance buttons.
6. Stands or adapters included for either wall mounting or desk applications.
7. Headset capable, though none are needed with the initial order.

- C. Bidders may propose any of the following models or approved equivalent, though they must propose models from a consistent manufacturer:

Standard Handset

Zultys 23GE
Yealink SIP-T33G
Poly VX250

Office Handset

Zultys 47GE
Yealink SIP-T54G
Poly VX450

Note: One (1) office handset at the administration building must include a side-car.

- D. Vendor will configure the new handsets to replace the existing. Spare handsets do not require configuration. General scope of work for replacing existing handsets includes:

1. Access the Waterford Zultys administration portal, configure each phone matching current configuration for the phone it is to replace.
2. Connect the phone to register the handset with Zultys.
3. Log into the phone and configure provisioning information to register the phone with the phone system.
4. Download the configuration from the Zultys portal.
5. Repackage the phone for shipment to WSD.

- E. Note: Stepanski ECC is an existing district building. A new Stepanski ECC is currently being built on the same site. The Work in this RFP relates to the new Stepanski ECC. The new Stepanski will receive handsets to replace existing, but also require additional handsets for new. Vendor will work with WSD to gather the configuration requirements for those handsets and configure Zultys and the handsets accordingly.

- F. Alternates: This Bid Category includes the following Mandatory Alternate to be submitted in addition to the Base Bid Proposal:

1. **Alternate 1: Transportation Building Speakers**

The transportation building will be remodeled in 2024. The renovations include creating a new main office and bus drivers lounge. Vendor will include the equipment and installation to allow office staff to page into the bus drivers lounge from office handsets.

The building does not currently have this functionality. Vendor will need to provide ceiling speakers for an accessible ceiling, cabling, equipment, configuration, etc. Attached to the RFP is a scalable floorplan showing the new building layout. The phone equipment is currently located in the space the space that will become the new MDF room.

Bidders will install speaker cabling and speakers prior to the lay in ceiling tiles being installed to avoid needing to access after ceiling completion. Vendor will be responsible for replacing any damaged tiles.

Speaker cabling must be plenum-rated and installed following all applicable codes and BICSI installation guidelines. At a minimum Vendor should assume they'll need to install penetrations into the space, install and firestop sleeves through that penetration, and provide J-hooks or bridal rings to support the speaker cable above and independent of the ceiling structure.

3. RECEIPT AND OPENING OF BID PROPOSALS

- A. Bid Proposals must be submitted prior to the time and date specified below, at which time they will be publicly opened and read aloud. Bid Proposals will be opened publicly in a manner to avoid full public disclosure of contents until after all evaluations have been completed; however Bidder's name and base Bid Proposal amount will be read aloud. Decisions will not be made at the bid opening; bids will be evaluated before presentation to the Board of Education for approval.

DUE DATE: November 20, 2023
TIME: 2:00 PM

- B. **Bids will be received electronically through the Waterford School District electronic bidding platform.**
1. **Vendors can register for the bid system and find more information at:**
 2. **<https://www.waterford.k12.mi.us/our-district/administration-departments/business-and-operations/purchasing/>**
- C. Bidders wishing to mail or deliver their sealed bid and associated documents may do so at the following address:
- Waterford School District
501 N Cass Lake Rd
Waterford Twp, MI 48328
Attn: Sandy Elka
- D. All Bid Proposals must be accompanied by the following documents. Aside from the attached affidavits, Bidders may use any proposal format they choose but must include the following:
1. Familial Disclosure Affidavit, sworn and notarized (see attached)
 2. Affidavit of Compliance – Iran Economic Sanctions Act, sworn and notarized (see attached).
 3. Executive Summary or other supporting documentation including an overview of the proposing company, company capabilities, and summary of any deviations/enhancements to the minimum requirement specified.
 4. Bill of Materials with itemized costs.
 5. Specification sheets on the systems handsets along with a summary outlining why that handset should be selected.
- E. Bid Proposals received from Bidders after the Due Date and Time will be unopened and held for the Bidder to pick-up.

- F. All Bid Proposals must include the sworn and notarized statement included with the Bid Proposal Form disclosing any familial relationship that exists between the owner(s) or any employee of the Bidder and any member of the Board of Education or the Superintendent of the school district. The WSD Board of Education will not accept a Bid Proposal that does not include this sworn and notarized disclosure statement.
- G. All Bid Proposals must also be accompanied by a sworn and notarized statement certifying that the Bidder is not Iran-Linked Business. The WSD Board of Education will not accept a Bid Proposal that does not include this sworn and notarized statement.
- H. Waterford School District reserves the right to reject any or all Bid Proposals, either in whole or in part, or to waive any informalities or irregularities therein, and the right to award the Contract to other than the Bidder(s) submitting the best financial proposal (low bidder), in its sole and absolute discretion.
- I. Additional information provided with a Bid Proposal shall be used in the evaluation of Bid Proposals, but do not replace the requirements established by the RFP. Neither BMB nor the Owner will be responsible for reviewing proposals for completeness or conformance to the Contract Documents. Lists of material, bills of material, etc. submitted by the Bidder do not replace the requirements established by the RFP.

4. TIMELINE

A. Milestone Dates:

- | | |
|---|---------------------------------|
| 1. Release of the bid document: | November 2, 2023 |
| 2. Deadline for written Requests for Clarification: | November 14, 2023 at 3:00 PM |
| 3. Bid Proposal Time: | November 20, 2023 at 1:00 PM |
| 4. Post-bid Interviews (via MS Teams): | November 21, 2023 after 1:00 PM |
| 5. Board of Education consideration: | December 7, 2023 (anticipated) |
| 6. Configured handsets delivered to WSD by: | January 31, 2024 |
| 7. Transportation building renovation work: | August 23, 2024 (estimated) |

5. EVALUATION AND POST-BID INFORMATION

- A. An Evaluation Committee selected by the Superintendent, or the Superintendent's designee, will evaluate the proposals and recommend a prospective Vendor for award based on the best interests of the Owner.
- B. After the Bid Proposals are received, the Project team will require a Post-Bid Meeting for the purpose of further evaluating and clarifying the Bid Proposal. Items clarified during the Post-Bid evaluation will become part of the Contract between Owner and the selected Bidder.
- C. Shortlisted Bidders may be asked to provide a demonstration of their systems during the Post-Bid Proposal interview and may be asked to provide an evaluation unit for the Owner to evaluate.
- D. Bidder may be asked for designation of the Work to be performed by the Bidder with their own forces, and that to be contracted.
- E. Any requests made by the Owner for written cost analysis shall be adhered to by the Bidder. Any Bidder that does not comply with this request may be rejected.
- F. Once the Contract is awarded to the successful Bidder(s), the successful Bidder shall be known as the "Vendor".

6. CLARIFICATIONS, DISCREPANCIES, OMISSIONS OR INTERPRETATIONS

- A. Bidder shall promptly notify BMB in writing of any ambiguity, conflict, inconsistency, discrepancy, omission or other errors which they may discover upon examination of the RFP and other Contract Documents, otherwise submission of a Bid Proposal will be deemed acceptance of the appropriate solution most beneficial to the Owner. Bidders requesting clarification or interpretation of the RFP Documents can:
 - 1. Email to: paul.twigg@bartonmalow.com
- B. All such requests must be made in writing via e-mail. No response will be made to any oral question.
- C. Any interpretation, correction or change of the scope will be made by Addendum issued by BMB on behalf of the Waterford School District. Interpretations, corrections or changes of the Contract Documents made in any other manner will not be binding, and Bidders shall not rely upon such interpretations, corrections and/or changes. Addenda will be distributed through the Waterford School District online bidding platform.
- D. Each Bidder in its Proposal must acknowledge all Addenda which it has received, but the failure of a Bidder to receive, or acknowledge receipt of, any Addendum shall not relieve the Bidder of the responsibility for complying with the terms thereof.
- E. The Owner intends that all Bidders have equal access to information relative to this RFP, and that this RFP contains adequate information. No information communicated, either verbally or in writing, to or from a Bidder shall be effective unless confirmed by written communication contained in an Addendum to this RFP, a Request for Clarification or other written response thereto.
- F. From the issue date of this RFP until a Bidder is selected and the selection announced, a prospective Bidder shall not communicate about the subject of this RFP or a Bidder's Bid Proposal with the Owner, its Board of Education, or any individual member, administrator, faculty, staff, student, employee, or its Owner's Representatives.

7. VOLUNTARY ALTERNATES

- A. All Bid Proposals must be based upon the base requirements established in the RFP. In addition to a Base Bid Proposal, the submission of voluntary Alternates is acceptable. If a voluntary Alternate is submitted for consideration, it shall be expressed in a separate summary. If a voluntary Alternate is submitted, the Bidder shall also submit sufficient information in the form of an executive summary, specification, product data, etc., sufficient for analysis of the Alternate.

8. TAXES

- A. The equipment included in this RFP is not subject to state sales tax and/or use tax. Exemption certificates, if required, will be furnished on forms provided by the bidder. Bidders are to include applicable taxes for non-equipment portions of the bid proposal.

9. CONTRACT

- A. The Owner will issue a purchase order to the selected Vendor. Bidder, if chosen, agrees to begin immediately following receipt of a Waterford School District Purchase Order Form".

10. INSURANCE

- A. The Vendor and/or any subcontractors will need to provide proof of General Liability insurance before coming onsite to perform any work.

11. PRICE AND PAYMENT PROCEDURES

- A. Vendor may submit invoices at the following stages:
 - 1. Handsets and configuration – upon delivery to Waterford School District
 - 2. Transportation Alternate – upon completion of the paging work.

12. DELIVERIES

- A. Vendors will be responsible for all equipment and material handling.
- B. All shipments will include inside delivery. The delivery location does NOT have a loading dock.
- C. Vendor will coordinate delivery with the Owner's staff. Delivery dates will be confirmed by the Vendor one (1) week prior to delivery.

13. DEFINITIONS

- A. The Project Manual refers to this RFP and all associated documents issued as part of this RFP. This includes the drawings, specifications, equipment lists, schedules, documentation of existing equipment, etc.
- B. Addenda are written and/or graphic instruments issued by the Owner or BMB prior to the award of the Contract which modify or interpret the Contract Documents by additions, deletions, clarifications or corrections.
- C. A Bidder is a legal entity submitting a Bid Proposal.
- D. Bid, Bid Proposal, and Proposal may be used interchangeably and refer to the Bid Proposal submission from the Bidder in accordance with the Contract Documents.
- E. Base Bid Proposal, and Base Bid may be used interchangeably and refer to the sum stated for which the Bidder offers to perform the complete Work of, or supply equipment to which work may be added or deducted. The Base Bid Proposal shall be in strict accordance with the RFP, though voluntary Alternates may be submitted in addition to the Base Bid Proposal.
- F. An Alternate Bid Proposal (or Alternate) is an amount stated in the Bid Proposal corresponding to change in Project, materials or methods of work described in the Contract Documents as accepted by the Owner.
- G. A unit price is an amount stated in the Bid Proposal as a price per unit of measurement for materials or services as described in the Contract Documents.
- H. The term "day" is defined as calendar days unless otherwise specified.
- I. The term "Subordinate Parties" includes all of Vendor's employees, workers, laborers, agents, consultants, suppliers, Bidders or subcontractors, at any tier, who perform, assist with or otherwise are involved in any of the Work.
- J. The term "Work" includes all work and responsibilities performed or to be performed by Bidder of its Subordinate Parties under the Contract Documents.

14. GENERAL CONDITIONS

- A. The submission of a Bid Proposal will be construed to mean that the Bidder is fully informed as to the extent and the character of the supplies, materials, or equipment and services required and a representation that the Bidder can furnish the item(s) in complete compliance with the Contract Documents.
- B. Any decision made by the Owner, including Bidder selection, shall be final.

- C. Products and services which are not specifically requested in this RFP, but which are necessary to provide the functional capabilities proposed by the Bidder, shall be included in the Bid Proposal.
- D. Each Bidder submitting its Bid Proposal releases the Owner from any and all claims arising out of, and related to, this RFP process and selection of a Bidder.
- E. A recipient of this RFP is responsible for any and all costs and liabilities incurred by it or others acting on its behalf in preparing or submitting a Bid Proposal, or otherwise responding to this RFP, or any negotiations incidental to its Bid Proposal or this RFP.
- F. The Bidder certifies that its Bid Proposal is made without any previous understanding, agreement or connection with any person, firm or corporation making a Bid Proposal for the same equipment and/or services and is in all respects fair, without outside control, collusion, fraud or otherwise illegal action.
- G. The material/equipment specifications should be considered as a minimum requirement. Any deviations from the standard specified will be considered only when fully described and accompanied by descriptive literature and samples.
- H. All equipment must be supplied directly from the manufacturer with manufacturer standard components. No mixing of products or components from various manufacturers will be accepted, unless approved by the Owner.
- I. Bidders must provide to the Owner, through BMB, all rebates, incentives, warranties, and licenses purchased through the Bid Proposal and not be require the Owner to file with a manufacturer.
- J. All components must be identical in similar systems purchased for each implementation phase.
- K. All prices bid must be "per unit" as specified.
- L. Prices shall be net, including transportation and delivery charges fully prepaid by the Vendor to destination indicated in the Contract Documents. If award is made on any other basis, transportation charges must be prepaid by the Vendor and added to the invoice as a separate item. In any case, title shall not pass until item(s) have been delivered and accepted by the Owner, in its sole determination.
- M. Vendors and their Sub Vendors shall park their work vehicles in the area(s) designated for parking. Vendors and their Sub Vendors shall not park or drive on sidewalks or grassy areas.

15. ACCEPTANCE AND REJECTIONS OF BID-PROPOSALS

- A. It is the intent of the Owner to select a contract to the lowest responsible Bidder whose Bid Proposal meets the criteria of the Evaluation Committee, provided the Bid Proposal has been submitted in accordance with the requirements of the RFP and does not exceed the Owner's budget for the Project (or a specific Bid Category). The Owner has not had the opportunity to review all of the products listed in this RFP, during the Post-Bid Proposal process the Owner will also review products proposed in the Bid Proposal(s) to evaluate product suitability, initial cost, and ongoing costs.
- B. Although cost must be considered (for both eligible and non-eligible goods and services), other factors will influence the awarded Bidder. The Owner, at its sole discretion, shall determine whether particular Bidders have the qualifications to perform the scope of Work. In determining whether a Bidder possesses the basic qualifications Owner may consider, but not be limited to: references, whether provided by the Bidder or acquired independently by the Owner; Bidder and manufacturer's reputation for performance and service; product availability; longevity of service (number of years); previous experience with similar projects; years of continuous business; commitment to schedule and completion date; financial condition; Bidder's current workload; product availability; features and benefits of the proposed solution; Alternates and voluntary Alternates; product life cycle; warranty, etc.

- C. The Owner reserves the right to make awards within 3 months after the bid opening during which time Bid Proposals may not be withdrawn, unless the Bidder distinctly states in its Bid Proposal that acceptance thereof must be made within a shorter specified time.
- D. Owner reserves the right to negotiate further with the successful Bidder.
- E. The Owner reserves the right to reject all Bid Proposals. Also, reserved is the right to reject for cause any Bid Proposals in whole or in part; to waive technical defects; qualifications; irregularities; and omissions if in its judgment the best interest of the Owner will be served.
- F. Bid Proposals are considered irregular and may be rejected for any of the following reasons unless otherwise provided by law:
 - 1. If Bidder adds any provisions reserving right to accept or reject any award of the Contract.
 - 2. If unit or lump sum prices or Alternates contained in the Bid Proposal are obviously unbalanced either in excess of, or below, reasonable cost analysis values.
 - 3. If the Bid Security does not accompany the Bid Proposal Form.
 - 4. If the Familial Disclosure Affidavit and the Iran Economic Sanction Affidavit does not accompany the Bid Proposal Form.
- G. Bidder's lack of responsibility as revealed by submitted information on either experience, or equipment statements.
- H. Bidder's lack of expertise as shown by past work and judged from the standpoint of workmanship and performance history.
- I. If any pertinent instructions to Bidders are not fully complied with.
- J. The Owner shall have the right to waive any informality or irregularity in any Bid Proposal(s) received and to accept a Bid Proposal or Bid Proposals which, in their judgment, is in their best interest.
- K. The Owner shall have the right to accept Alternates in any order or combination and to determine the low Bidder based on the sum of the Base Bid Proposal and the Alternates accepted.

2. GUARANTEES BY THE BIDDER

The successful bidder guarantees:

- A. Their products against defective material or workmanship and to repair or replace any damaged material/equipment or marring occasioned in transit or assembly when installation is specified.
- B. That all delivered material/equipment shall be as detailed in the Bid Proposal. No substitutions will be accepted unless prior to delivery material/equipment has been inspected by the Owner and found to be equal to the item specified, in its sole and absolute discretion.
- C. That all material/equipment or furniture offered is standard, new, latest model of regular stock product or as required by the Contract Documents, with parts regularly available for the type of equipment or furniture offered; also that no attachment or part has been submitted or applied contrary to manufacturer's recommendations and standard practice. All equipment must be guaranteed against faulty material and workmanship, and a manufacturer's warranty indicating the warranty or guarantee period must be available at time of delivery or acceptance.
- D. That he/she has carefully checked the enclosed figures and understands that he/she shall be responsible for any error or omission in its Bid Proposal.

16. EQUAL EMPLOYMENT OPPORTUNITY

- A. It is the Owner's policy not to discriminate against any employee, applicant for employment, Vendor, or material supplier, because of race, religion, national origin, ancestry or sex.
- B. Vendor understands that any agreement with the Owner shall be in consideration of maintaining the above mentioned non-discrimination policy.
- C. Vendor understands that they may be required to submit further information covering the race, color and work classification for our employees and those of subcontractor to be employed on this Project.

PART II – ATTACHED DOCUMENTS

The bid site contains the following additional documents:

1. Handset Quantities
2. Transportation Building Floorplan
3. Affidavit of Compliance – Iran Economic Sanctions Act
4. Familial Disclosure Form



Waterford, Michigan

Project Number: 210144
Project Manager: Paul Twigg
Drawn By: Bill Dawson
Checked By: Paul Twigg

Issued For	Date
BIDS	09/29/2023

Key Plan:

Native Page Size: 42" X 30"

Scale: As Noted

Bid Package 23-06

Transportation

1st & 2nd Floor Composite
Demolition Technology Plan

TD3.1

GENERAL DEMOLITION NOTES:

- DEMOLITION WORK INDICATED ON THE DRAWINGS ARE CONCEPTUAL. INCLUDE ALL ITEMS RELATED TO THE EXISTING SYSTEM (e.g. EQUIPMENT, CABLING, RACEWAY, SUPPORTS, ETC.) IN ORDER TO REMOVE ABANDONED SYSTEMS OR ACCOMPLISH THE INSTALLATION OF THE SPECIFIED NEW WORK.
- EXAMINE EXISTING CONDITIONS AND EXTENT OF DEMOLITION WORK PRIOR TO SUBMISSION OF BIDS.
- EACH CONTRACTOR SHALL PROVIDE INCIDENTAL DEMOLITION AND/OR RELOCATION REQUIRED TO FACILITATE THE WORK OF OTHER CONTRACTORS, WHETHER OR NOT SPECIFICALLY INDICATED.
- ABANDONED MATERIALS SHALL BE DISPOSED OF OFF-SITE IN ACCORDANCE WITH ALL FEDERAL, STATE, AND LOCAL REGULATIONS, AND AS SPECIFIED IN THE PROJECT MANUAL. THE BASE BID SHOULD REFLECT SAVINGS BASED ON ANY ITEMS WITH RESIDUAL VALUE, TRADE-IN CREDIT, ETC.
- CABLES TO BE ABATED SHALL BE REMOVED TO THEIR SOURCE AND ANY CORRESPONDING LABELS REMOVED FROM THE EQUIPMENT OR TERMINATION POINT. REMOVE THE CORRESPONDING PATCH/TIE CABLE TO THE SOURCE EQUIPMENT.
- PROVIDE PROPER SUPPORTS TO EXISTING UNSUPPORTED CABLES WHERE CEILING ARE TO BE REMOVED.
- CONTRACTOR SHALL INSTALL FIRESTOPPING ON ANY CONDUITS/PENETRATIONS WHERE CABLES ARE REMOVED OR DISTURBED DURING DEMOLITION.
- EQUIPMENT TO BE TURNED OVER TO THE OWNER SHALL BE DELIVERED TO A CENTRAL LOCATION. EQUIPMENT SHALL BE CLEAN AND ORGANIZED. PROVIDE AN INVENTORY OF SALVAGED EQUIPMENT.
- EQUIPMENT TO BE REINSTALLED AS PART OF THE PROJECT IS TO BE LABELED WITH ORIGINATING LOCATION (ROOM), REMOVED, CLEANED, STORED, REINSTALLED, AND TESTED PRIOR TO OWNER ACCEPTANCE.

LINE TYPES:

- THIN, DASHED, RED - DEMOLISH EXISTING - SALVAGE HARDWARE AS NOTED IN LEGEND
- THIN, SOLID, BLACK - EXISTING TO REMAIN

CABLING OUTLET / WALL PLATE:

- LOCATED IN FLOOR BOX
- LOCATED ON WALL, LOW HEIGHT (0'-36" AFF)
- LOCATED ON WALL, MID HEIGHT (36"-84" AFF)
- LOCATED ON WALL, HIGH HEIGHT (84" - AFF)
- LOCATED AT CEILING

OUTLET / PLATE ABBREVIATIONS

- # NUMBER OF DATA DROPS
- /A NUMBER OF ANALOG VOICE LINES
- AP WIRELESS ACCESS POINT LOCATION, 1 DATA DROP
- VS VIDEO SURVEILLANCE CAMERA LOCATION, 1 DATA DROP
- C COAX

HARDWARE:

- AP WIRELESS ACCESS POINT, CEILING MOUNTED - SALVAGE
- AC ANALOG CLOCK, SINGLE FACED
- S SPEAKER, WALL MOUNTED
- FP FLAT PANEL DISPLAY & WALL MOUNT - SALVAGE
- CP CONTROL PANEL
- KP KEYPAD
- CR CARD READER
- B DOORBELL - SALVAGE
- MA SURVEILLANCE CAMERA, ANALOG
- XD SURVEILLANCE CAMERA, DIGITAL

STRUCTURED CABLING DEMOLITION PROJECT NOTES:

- DEMO ALL ANALOG VOICE BLOCKS, PLATES, AND CABLING TO THE SOURCE.
- DEMO ALL DATA PLATES, AND CABLING TO THE SOURCE.
- DEMO WALL IT CABINET.
- SALVAGE & PROTECT WIRELESS ACCESS POINTS FOR RE-INSTALLATION.
- SALVAGE & PROTECT BASE STATION RADIO FOR RE-INSTALLATION.

AUDIOVISUAL SYSTEM DEMOLITION PROJECT NOTES:

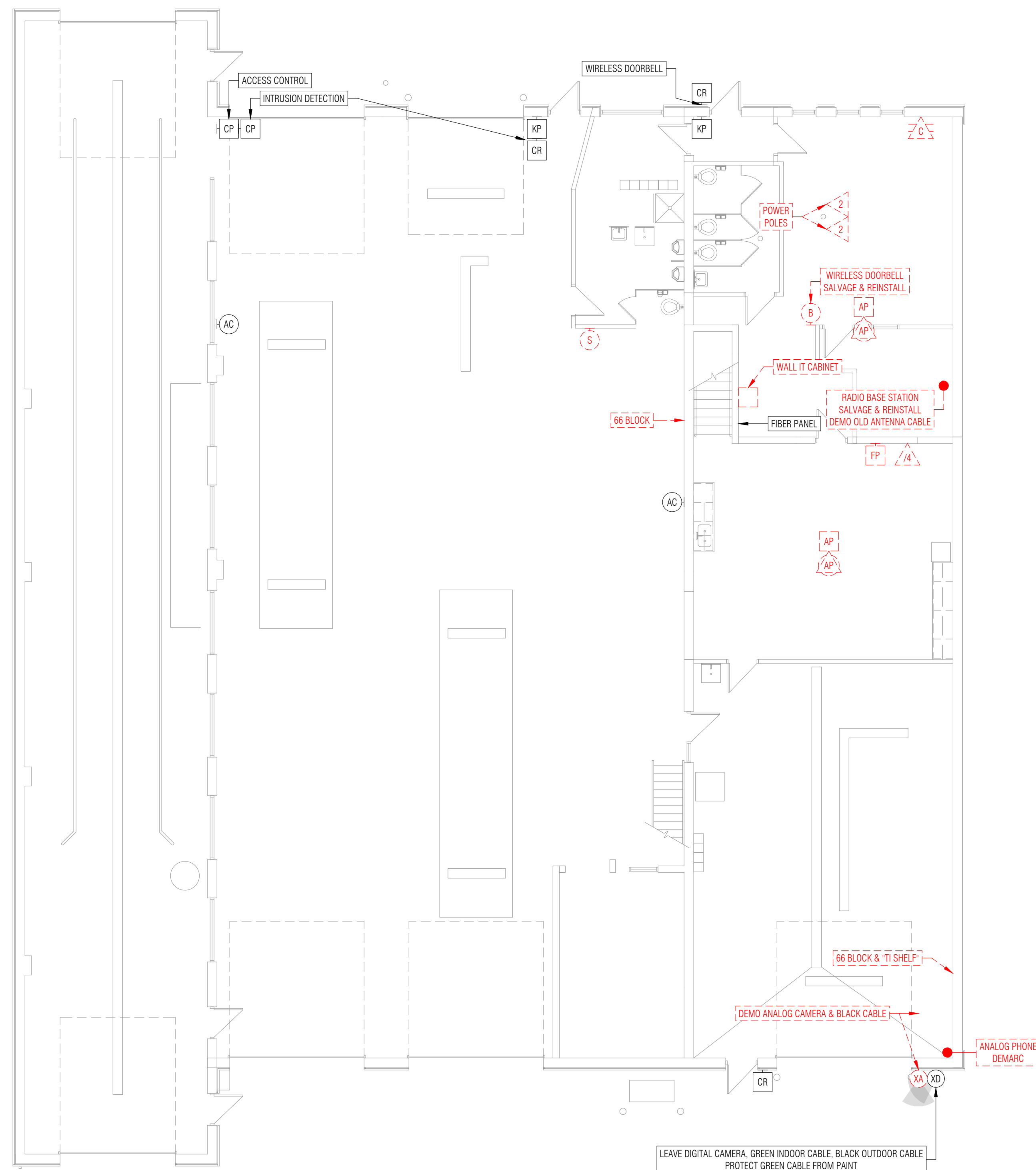
- SALVAGE & PROTECT FLAT PANEL DISPLAY AND MOUNT.
- REMOVE SPEAKER IN GARAGE AREA.

VIDEO SURVEILLANCE SYSTEM DEMOLITION PROJECT NOTES:

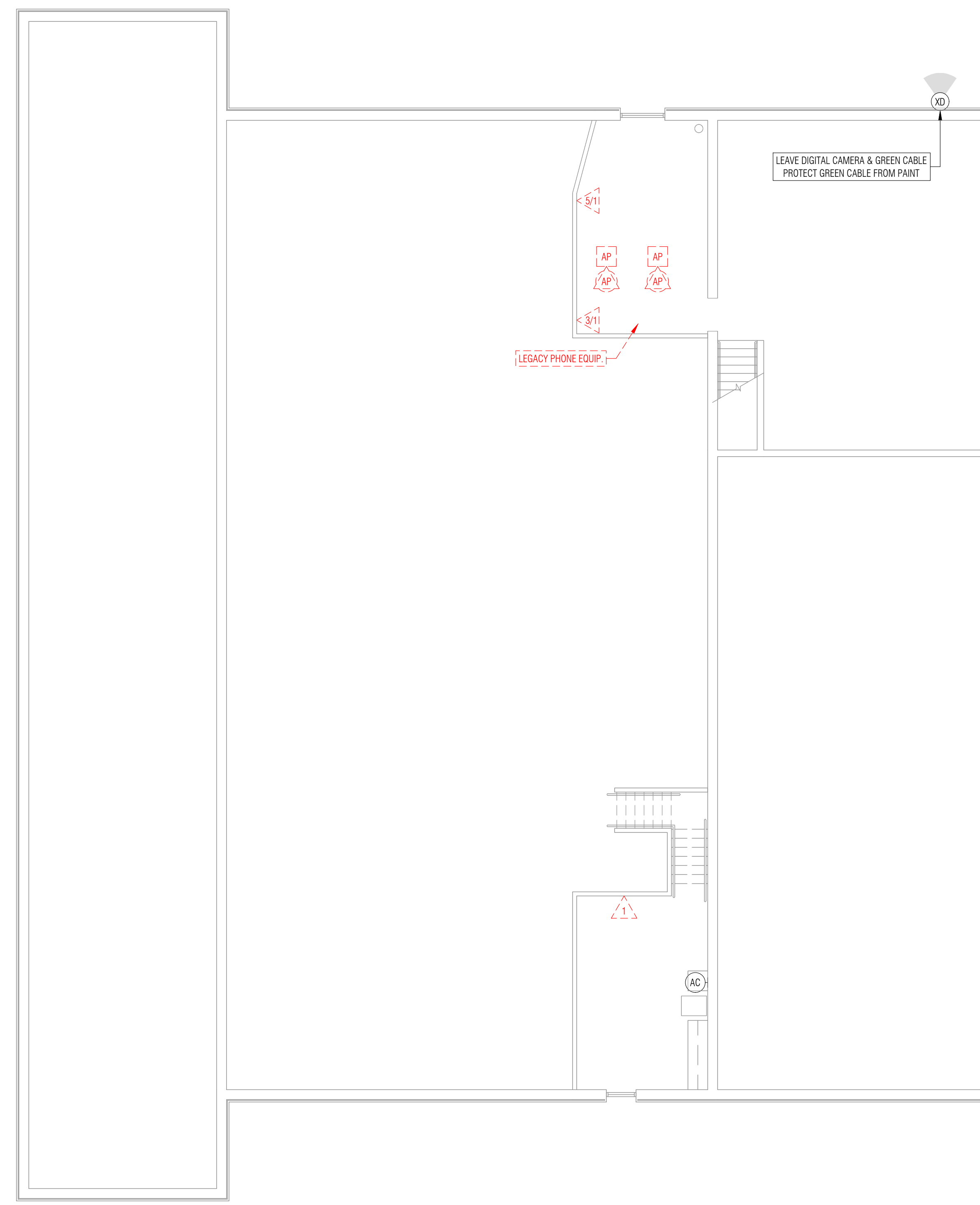
- DEMO OLD ANALOG CAMERA. LEAVE EXISTING DIGITAL CAMERAS.
- LEAVE OUTDOOR AND INDOOR DATA CABLING.
- PROTECT DATA CABLING FROM PAINT.

ACCESS CONTROL & INTRUSION DETECTION DEMOLITION PROJECT NOTES:

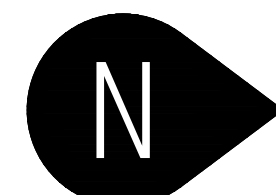
- EXISTING SYSTEMS ARE TO REMAIN. PROTECT EQUIPMENT AND CABLING DURING RENOVATIONS.

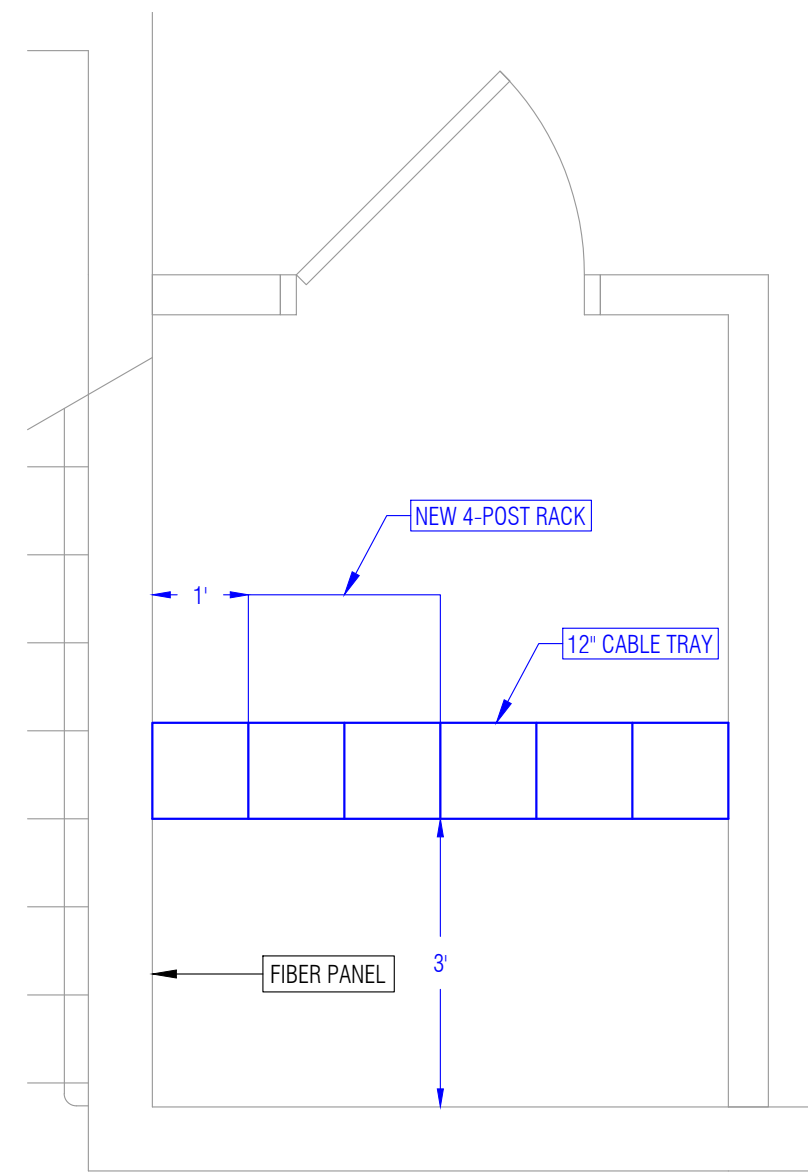


1st Floor
SCALE: 1/8" = 1'

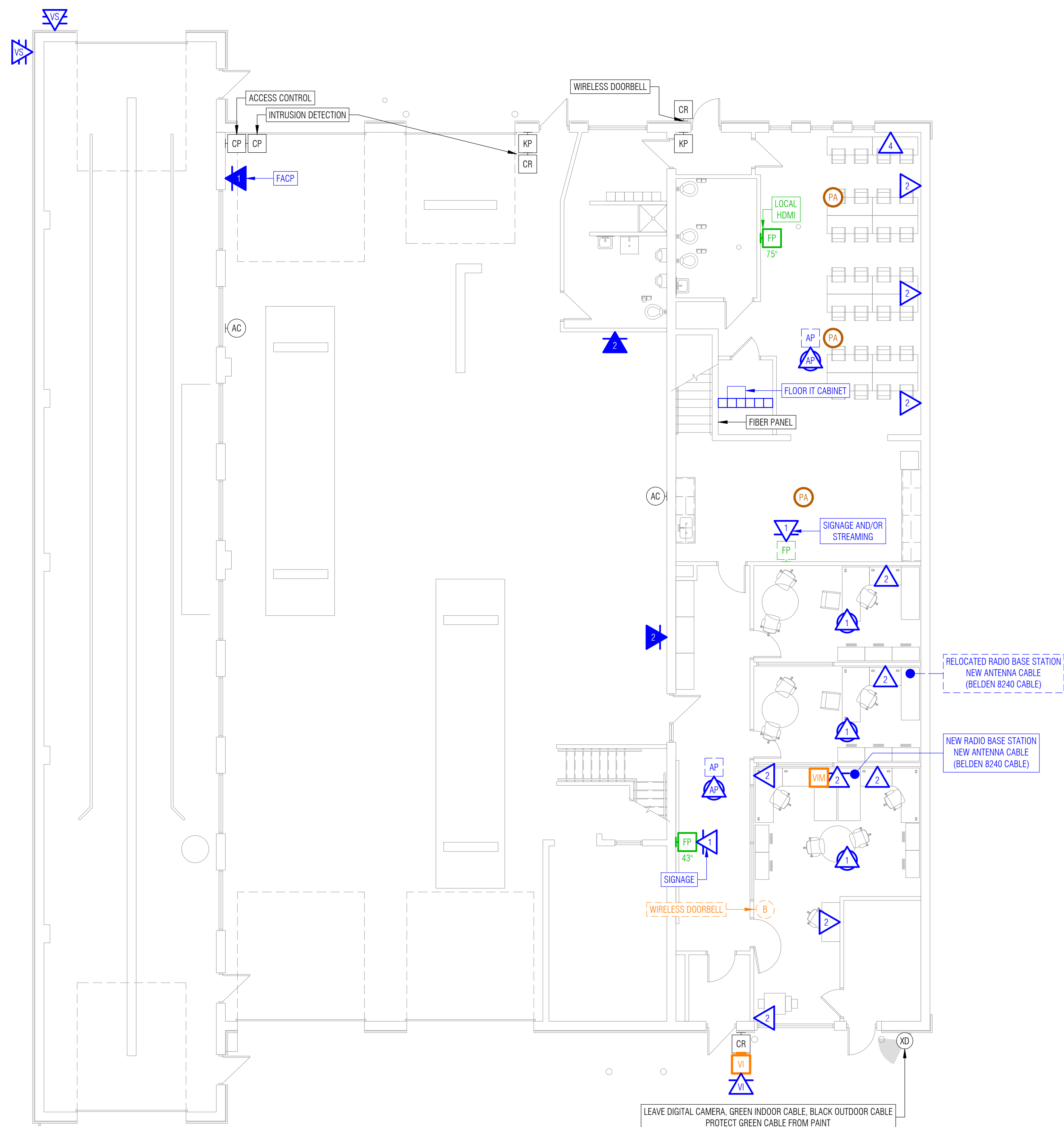


2nd Floor
SCALE: 1/8" = 1'

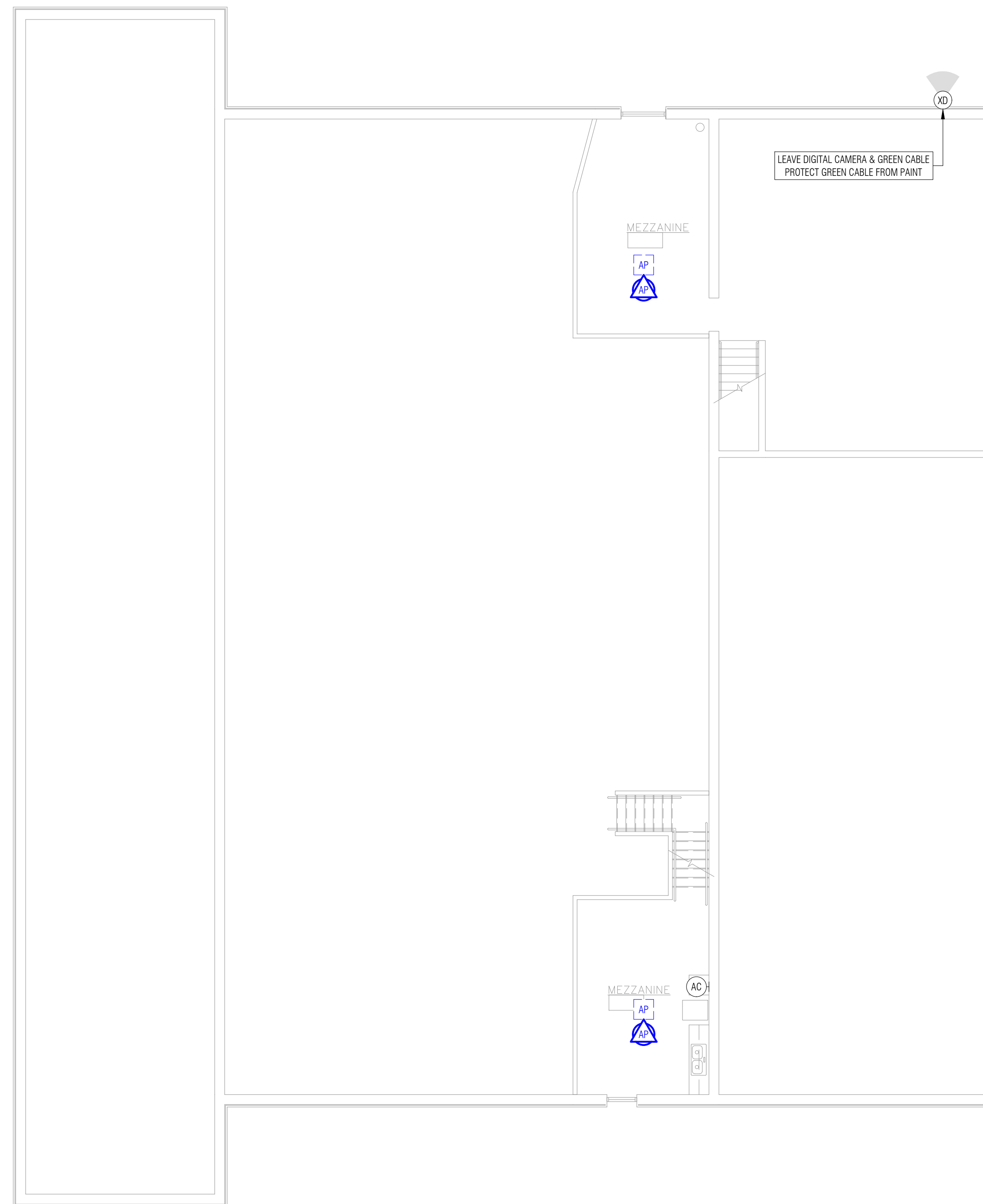




Enlarged MDF
SCALE: 1/2" = 1'



1st Floor
SCALE: 1/8" = 1'



2nd Floor
SCALE: 1/8" = 1'

GENERAL TECHNOLOGY NOTES

- THESE DRAWINGS ARE DIAGRAMMATIC AND INDICATE THE GENERAL EXTENT OF THE WORK. CONTRACTORS SHALL PROVIDE ALL INCIDENTAL MATERIALS AND LABOR FOR A COMPLETE AND FULLY FUNCTIONAL SYSTEM.
- PRIOR TO BEGINNING WORK, CONTRACTORS ARE TO REVIEW BUILDING PLANS, INSTALLATION LOCATIONS, AND SITE CONDITIONS. NOTIFY THE TECHNOLOGY DESIGNER OF ANY CONDITIONS THAT MAY PREVENT PROPER INSTALLATION AND OPTIMAL PERFORMANCE OF THE SYSTEMS. VOID THE MANUFACTURER'S WARRANTY OR THAT CONFLICT WITH THE INTENT OF THE PROJECT. PROCEED WITH INSTALLATION ONLY AFTER UNSATISFACTORY CONDITIONS HAVE BEEN RESOLVED. THE CONTRACTOR IS RESPONSIBLE FOR ANY ADDITIONAL WORK RELATED TO CORRECTING UNREPORTED CONFLICTS AND ISSUES, AT NO ADDITIONAL COST TO THE OWNER.
- FIELD VERIFY LOCATIONS, CONDITIONS AND LENGTHS PRIOR TO INSTALLATION.
- CONTRACTOR IS REQUIRED TO PROVIDE THEIR OWN PENETRATIONS, SLEEVES, AND CORES THROUGH ALL WALLS AND FLOORS. ALL SLEEVES SHALL HAVE NYLON BUSHINGS.
- CONTRACTOR SHALL PROVIDE FIRESTOPPING ON PENETRATIONS PASSING THROUGH WALLS AND FLOORS IN WHICH THEY WORK.
- CONTRACTOR SHALL COORDINATE TELECOMMUNICATION ROOM LAYOUTS WITH BARTON MALOW AND ALL IMPACTED CONTRACTORS PRIOR TO INSTALLATION.
- CONTRACTOR SHALL COORDINATE ALL EQUIPMENT LOCATIONS AND ROUGH-IN REQUIREMENTS WITH BARTON MALOW AND ALL IMPACTED CONTRACTORS PRIOR TO INSTALLATIONS.
- CONTRACTOR SHALL PROVIDE FACEPLATES AND INSERTS FOR THEIR DEVICES.
- CONTRACTOR SHALL PROVIDE PROTECTIVE GUARDS ON THEIR DEVICES (CLOCKS, PHONES, ACCESS POINTS, MOTION DETECTORS, ETC.) SUBJECT TO ABUSE IN GYMNASIUMS AND NATATORIUMS.

COLOR CODE

- BLUE - STRUCTURED CABLING
- PURPLE - CLOCK SYSTEM
- BROWN - PUBLIC ADDRESS SYSTEM
- GREEN - AUDIOVISUAL SYSTEM
- ORANGE - ACCESS CONTROL SYSTEM
- RED - INTRUSION DETECTION SYSTEM
- PINK - VIDEO SURVEILLANCE SYSTEM

LINE TYPES

- THIN, SOLID, BLACK - EXISTING TO REMAIN
- THIN, DASHED, COLOR-CODED - USE SALVAGED CABLE / HARDWARE
- THICK, SOLID, COLOR-CODED - NEW CABLE / HARDWARE

SYMBOL STYLES & ABBREVIATIONS:

CABLING OUTLET / WALL PLATE

- OPEN - RACEWAY & BOX SUPPLIED BY OTHERS
- FILLED - RACEWAY & BOX SUPPLIED BY CONTRACTOR
- LOCATED IN FLOOR BOX
- LOCATED ON WALL, LOW HEIGHT (0'-30" AFF)
- LOCATED ON WALL, MID HEIGHT (36"-84" AFF)
- LOCATED ON WALL, HIGH HEIGHT (84"+ AFF)
- LOCATED AT CEILING

OUTLET / PLATE ABBREVIATIONS

- # NUMBER OF DATA DROPS, BLUE CABLE & JACKS
- AP WIRELESS ACCESS POINT, INCLUDE 1 DATA DROP
- CEILING: TERMINATE TO BISCUIT JACK IN CEILING; ACCESS POINT WILL MOUNT TO CEILING
- VI VIDEO INTERCOM LOCATION, INCLUDE 1 DATA DROP

HARDWARE

- AP WIRELESS ACCESS POINT, CEILING MOUNTED
- AC ANALOG CLOCK, SINGLE FACED
- PA PUBLIC ADDRESS SPEAKER, CUT-IN / LAY-IN STYLE - BY PHONE CONTRACTOR, SHOWN FOR REFERENCE
- S SPEAKER, WALL MOUNTED
- FP FLAT PANEL DISPLAY WITH FIXED WALL MOUNT, SIZE AS NOTED
- CP CONTROL PANEL
- KP KEYPAD
- CR CARD READER
- VI VIDEO INTERCOM
- VIM VIDEO INTERCOM MASTER STATION
- B DOORBELL
- XA SURVEILLANCE CAMERA, ANALOG
- XD SURVEILLANCE CAMERA, DIGITAL

STRUCTURED CABLING NEW PROJECT NOTES

- PROVIDE NEW ANTENNA CABLING TO RADIO BASE STATION LOCATIONS.
- RE-INSTALL SALVAGED WIRELESS ACCESS POINTS AS SHOWN.
- IN (3) OFFICES, TERMINATE CEILING DATA TO PLATE THROUGH CEILING TILE.
- WHERE DUAL-CHANNEL RACEWAY EXISTING, CONTRACTOR SHOULD NOT ASSUME THAT POWER AND LOW VOLTAGE SIDES ARE SHOWN ACCURATELY. CONTRACTOR MAY BE REQUIRED TO PROVIDE AND INSTALL INTERNAL CROSSOVER TO ROUTE LOW VOLTAGE CABLING ACROSS POWER CABLING.
- COORDINATE DEVICE DROP LOCATIONS WITH DEVICE INSTALLATION CONTRACTOR. DEVICE INSTALLATION CONTRACTORS SHALL SUPPLY PATCH CABLES AS NEEDED FROM THE DEVICE TO THE DATA DROP.

AUDIOVISUAL SYSTEM NEW PROJECT NOTES

- RE-INSTALL SALVAGED FP AND MOUNT WHERE SHOWN.
- PROVIDE AND INSTALL NEW FP AND MOUNT WITH LOCAL HDMI INPUT AS SHOWN. USE PANASONIC TH-C02 SERIES DISPLAYS OR APPROVED EQUAL.

ACCESS CONTROL SYSTEM NEW PROJECT NOTES

- PROVIDE AND INSTALL VIDEO INTERCOM AND MASTER STATION(S) AS SHOWN.
- RE-INSTALL SALVAGED WIRELESS DOORBELL AS SHOWN.

Owner:



Waterford, Michigan

Project Number: 210144
Project Manager: Paul Twigg
Drawn By: Bill Dawson
Checked By: Paul Twigg

Issued For	Date
BIDS	09/29/2023

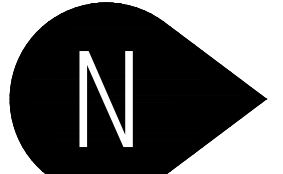
Key Plan:

Native Page Size: 42" X 30"
Scale: As Noted

Bid Package 23-06

Transportation

1st & 2nd Floor Composite
New Technology Plan



T3.1

Node	Building	Standard Handset	Office Handset
Node 1	Covert	12	52
	Crary/Durant (See note below)	35	81
Node 2	Donelson Hills	42	6
	Grayson	38	6
	Haviland	33	5
	Houghton	40	6
Node 3	Kettering	95	31
	Transportation	8	6
	Warehouse	6	9
Node 4	Kingsley	46	9
	Knudsen	32	5
	New Stepanski ECC	43	22
Node 5	Cooley	35	4
	Leggett	24	8
	Mason	84	17
	Schoolcraft	33	10
Node 6	Beaumont	37	4
	Pierce	74	26
	Riverside	38	8
Node 7	Mott	117	35
Subtotal Requiring Configuration		872	350
Spare		57	34
Total Devices		929	384
Total Devices (Standard and Office Combined)		1,313	

Note:

1. One (1) office handset at the Crary Administration Building must come with a button side-car.

Familial Disclosure Affidavit

The undersigned, the owner or authorized officer of _____ (the "Bidder"), pursuant to the familial disclosure requirement provided in the Waterford School District (the "School District") Request For Bids hereby represents and warrants that, except as provided below, no familial relationships exist between the owner or any employee of the Bidder, and any member of the Board of Education of the School District or the Superintendent of the School District. A list of the School District's Board of Education Members and its Superintendent may be found at <https://www.waterford.k12.mi.us/>

List any Familial Relationships:

BIDDER: _____
Name of Bidder

By: _____

Its: _____

Date: _____

STATE OF _____)
)ss.
 COUNTY OF _____)

This instrument was acknowledged before me on the ____ day of _____, 2023, by
 _____.

, Notary Public

_____ County, _____

My Commission Expires: _____

Acting in the County of: _____

AFFIDAVIT OF COMPLIANCE – IRAN ECONOMIC SANCTIONS ACT
Michigan Public Act No. 517 of 2012

The undersigned, the owner or authorized officer of the below named Bidder (the "Bidder"), pursuant to the compliance certification requirement provided in the Waterford School District (the "School District") Request For Bids For (the "RFB"), hereby certifies, represents and warrants that the Bidder (including its officers, directors and employees) is not an "Iran linked business" within the meaning of the Iran Economic Sanctions Act, Michigan Public Act No. 517 of 2012 (the "Act"), and that in the event Bidder is awarded a Contract as a result of the aforementioned RFB, the Bidder/Contractor will not become an "Iran linked business" at any time during the course of performing the Work or any services under the Contract.

The Bidder further acknowledges that any person who is found to have submitted a false certification is responsible for a civil penalty of not more than \$250,000.00 or 2 times the amount of the contract or proposed contract for which the false certification was made, whichever is greater, the cost of the School District's investigation, and reasonable attorney fees, in addition to the fine. Moreover, any person who submitted a false certification shall be ineligible to bid on a request for proposal for three (3) years from the date it is determined that the person has submitted the false certification.

BIDDER: _____
Name of Bidder

By: _____

Its: _____

Date: _____

STATE OF _____)
)ss.
COUNTY OF _____)

This instrument was acknowledged before me on the ____ day of _____, 2023, by
_____.

, Notary Public

_____ County, _____

My Commission Expires: _____

Acting in the County of: _____