

VICINITY MAP



SCMS
SO CAL MEDIA SOLUTIONS
877.670.SCMS | www.scms-ca.com
226 WEST OJAI AVE STE 101 - 237
OJAI, CALIFORNIA 93023
C-7 License Number: 1016236

CONSULTANT

Cypress Place at Garden City

5536/5482 Cypress Road
City of Oxnard, California

People's Self-Help Housing

Technology Systems

Job Number:
XX-XXX
Design Date:
04-24-2024
Version:
Owners Meeting

COVER

TECHNOLOGY SCOPE REQUIREMENTS:

A. GENERAL SCOPE

ALL WORK MUST BE PERFORMED IN ACCORDANCE WITH THESE PLANS, SPECIFICATIONS AND CONDITIONS OF APPROVAL, AND ALL APPLICABLE REQUIREMENTS, RULES, REGULATIONS, STATUTORY REQUIREMENTS, CODES, LAWS AND STANDARDS OF ALL GOVERNMENTAL ENTITIES WITH JURISDICTION OVER THIS PROJECT.

CONTRACTOR IS RESPONIBLE FOR REVIEWING THE CONTRACT DOCUMENTS AND SPECIFICATIONS AND, IN CASE OF CONFLICT, DISCREPANCY OR AMBIGUITY, THE MORE STRINGENT REQUIREMENTS AND/OR RECOMMENDATIONS CONTAINED IN THE PLANS AND THE SPECIFICATIONS SHALL TAKE PRECEDENCE UNLESS SPECIFICALLY NOTED OTHERWISE ON THE PLANS. THE CONTRACTOR MUST NOTIFY THE ENGINEER, IN WRITING, OF ANY SUCH CONFLICT, DISCREPANCY OR AMBIGUITY BETWEEN THE PLANS AND SPECIFICATIONS PRIOR TO PROCEEDING WITH ANY FURTHER WORK.

ALL DIMENSIONS SHOWN ON THE PLANS MUST BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO THE START OF CONSTRUCTION/ CONTRACTOR MUST NOTIFY ENGINEER, IN WRITING, IF ANY CONFLICTS, DISCREPANCIES, OR AMBIGUITIES EXIST PRIOR TO PROCEEDING WITH CONSTRUCTION. NO EXTRA COMPENSATION WILL BE PAID TO THE CONTRACTOR FOR WORK WHICH HAS TO BE REDONE OR REPAIRED DUE TO DIMENSIONS SHOWN INCORRECTLY ON THESE PLANS PRIOR TO CONTRACTOR GIVING ENGINEER WRITTEN NOTIFICATION OF SAME AND ENGINEER, THEREAFTER, PROVIDING CONTRACTOR WITH WRITTEN AUTHORIZATION TO PROCEED WITH SUCH ADDITIONAL WORK.

SOCAL MEDIA SOLUTIONS INC. WILL REVIEW OR TAKE OTHER APPROPRIATE ACTION ON THE CONTRACTORS SUMITTALS, SUCH AS SHOP DRAWINGS, PRODUCT DATA, SAMPLES AND OTHER DATA WHICH THE CONTRACTOR IS REQUIRED TO SUBMIT. BUT ONLY FOR THE LIMITED PURPOSE OF CHECKING FOR CONFORMANCE WITH THE DESIGN INTENT AND THE INFORMATION SHOWN IN THE CONSTRUCTION DOCUMENTS. CONSTRUCTION MEANS AND/OR METHODS AND/OR TECHNIQUES OT PROCEDURES, COORDICATION OF THE WORK WITH OTHER TRADES. CONSTRUCTION SAFETY AND PRECAUTIONS ARE THE SOLE RESPONSIBILTY OF THE CONTRACTOR AND SOCAL MEDIA SOLUTIONS INC. HAS NO RESPONSIBILTY OR LIABILTY FOR SAME HERE UNDER. SHOP DRAWING REVIEW WILL BE CONDUCTED WITH REASONABLE PROMPTNESS WHILE ALLOWING SUFFICIENT TIME TO PERMIT ADEQUATE REVIEW. REVIEW OF A SPECFIC ITEM MUST NOT INDICATE THAT SOCAL MEDIA SOLUTIONS INC. HAS REVIEWED THE ENTIRE ASSEMBLY OF WHICH THE ITEM IS A COMPENENT. SOCAL MEDIA SOLUTIONS INC. WILL NOT BE RESPONSIBLE FOR ANY DEVIATIONS FROM THE CONSTRUCTION DOCUMENTS NOT PROMPTLY AND IMMEDIATELY BROUGHT TO ITS ATTENTION IN WRITTING BY THE CONTRACTOR. SOCAL MEDIA SOLUTIONS INC. WILL NOT BE REQUIRED TO REVIEW PARTIAL SUBBMISSION OR THOSE FOR WHICH SUBMISSING OF CORRECTED ITEMS HAVE NOT BEEN RECEIVED.

IF THE CONTRACTOR DEVIATES FROM THE PLANS AND SPECIFICATIONS, WITHOUT FIRST OBTAINING THE PRIOR WRITTEN AUTHORIZATION OF THE ENGINEER FOR SUCH DEVIATIONS, THE CONTRACTOR IS SOLELY RESPONSIBLE FOR THE PAYMENT OF ALL COSTS INCURRED IN CORRECTING ANY WORK DONE WHICH DEVIATES FROM THE PLANS, ALL FINES AND/OR PENALTIES ASSESSED WITH RESPECT THERETO AND ALL COMPENSATORY OR PUNITIVE DAMAGES RESULTING THEREFROM AND, FURTHER, SHALL DEFEND, INDEMNIFY AND HOLD HARMLESS THE ENGINEER, TO THE FULLEST EXTENT PERMITTED UNDER THE LAW, FOR AND FROM ALL FEES, ATTORNEY'S FEES, DAMAGES, COSTS, JUDGMENTS, PENALTIES AND THE LIKE RELATED TO SAME.

1. THE SPECIFICATION APPLIES TO ALL CONTRACTORS, VENDORS, INTEGRATORS, PROGRAMMERS OR CONSULTANTS, ADDRESSED AS "CONTRACTORS" IN THIS DOCUMENT WHO ARE RESPONSIBLE FOR DELIVERING THE SOLUTION OR SERVICES AS DESCRIBED IN THE TECHNOLOGY DRAWING PACKAGE.
2. THE WORK UNDER THIS CONTRACT REQUIRES COORDINATION WITH OTHER CONTRACTORS FOR PRESENT OR ADDITIONAL WORK TO BE AWARDED BY THE EMPLOYER AT THE SITE OF THIS PROJECT. THE CONTRACTOR SHALL FULLY COOPERATE WITH SUCH OTHER CONTRACTORS AND SHALL COORDINATE HIS WORK IN SUCH A MANNER THAT THE WORK MUTUALLY INVOLVING OR AFFECTING THIS PROJECT WILL BE PERFORMED WITHOUT EXCESSIVE DELAYS OR INTERFERENCES.
3. THE SCOPE OF THE CONTRACTOR'S SERVICES SHALL INCLUDE, BUT NOT LIMITED TO- PROJECT SUBMITTALS, PERMITS REQUIRED, PROJECT INSTALLATION, PROJECT MANAGEMENT, TESTING & COMMISSIONING, END-USER TRAINING, PROJECT CLOSE-OUT DOCUMENTATION AND PROJECT WARRANTY.
4. THE FLOOR PLANS AND DEVICES SHOWN IN THE DRAWING ARE AIMED TO PROVIDE DESIGN INTENT AND THE GENERAL SPECIFICATIONS FOR EACH SYSTEM. THE CONTRACTOR IS RESPONSIBLE FOR FINAL COMPONENT SELECTION, NETWORK DESIGN, PROGRAMMING AND OVERALL SYSTEM ENGINEERING IN COMPLIANCE TO THE PERFORMANCE CRITERIA STATED IN THE DRAWINGS.
5. THE CONTRACTOR IS RESPONSIBLE FOR ALL INSTALLATION COSTS REQUIRED TO PROVIDE A COMPLETE AND FULLY FUNCTIONAL SYSTEM.
6. THE CONTRACTOR SHALL COMPLY TO ALL OWNER AND BUILDING REGULATIONS.
7. THE CONTRACTOR SHALL ADHERE WITH THE PROJECT TIMELINE SPECIFIED BY THE OWNER AND GENERAL CONTRACTOR.
8. THE CONTRACTOR SHALL VERIFY ALL FIELD CONDITIONS PRIOR TO THE START OF WORK AND REPORT ANY VARIATIONS THAT AFFECT THE DESIGN AND EXECUTION OF LOW VOLTAGE SYSTEM TO THE ARCHITECT/ ENGINEER.
9. THE CONTRACTOR SHALL CALL TO THE ATTENTION OF THE EMPLOYER ANY EXISTING DAMAGED EQUIPMENT OR AREAS PRIOR TO COMMENCEMENT OF ANY WORK
10. CONTRACTOR SHALL OBTAIN ANY PERMITS OR LICENSES REQUIRED BY THE EMPLOYER, GOVERNING MUNICIPALITY, AGENCIES OR UTILITIES PRIOR TO START OF ANY CONSTRUCTION. COPIES OF SAID PERMITS OR LICENSES SHALL BE SUBMITTED TO THE EMPLOYER. IT MUST BE NOTED THAT IF THE CONTRACTOR DETERMINES A BUILDING PERMIT IS NOT REQUIRED, WRITTEN DOCUMENTATION SHALL BE REQUIRED.
11. ANY CHANGE IN THE APPROVED PLANS AND/OR SPECIFICATIONS SHALL BE SUBMITTED AND APPROVED BY THE EMPLOYER PRIOR TO EXECUTION.
12. THE OWNER MAY, AT ANY TIME BY WRITTEN NOTICE TO THE CONTRACTOR, STOP ALL OR ANY PART OF THE WORK. UPON RECEIVING SUCH A NOTICE, THE CONTRACTOR TO MAKE SURE TO MINIMIZE ADDITIONAL COSTS DURING THE PERIOD OF STOPPAGE. THE OWNER MAY SUBSEQUENTLY EITHER CANCEL OR STOP THE PROJECT, RESULTING IN THE CONTRACTOR TO ADJUST THE DELIVERY SCHEDULE OR THE PRICE OR TERMINATE THE WORK.

B. BIDDER/ CONTRACTOR QUALIFICATIONS

1. CONTRACTOR MUST HAVE A VALID LICENSE ISSUED BY THE AUTHORITY HAVING JURISDICTION OVER THE LOCATION OF THE PROJECT TO PERFORM THEIR SCOPE OF WORK
2. CONTRACTOR MUST HAVE SUCCESSFULLY COMPLETED (3) SIMILAR PROJECTS OF SAME SCOPE, SIZE AND PROJECT REQUIREMENTS IN THE PAST (36) MONTHS.
3. A MINIMUM OF (1) INDUSTRY/ MANUFACTURER CERTIFIED PROJECT ENGINEERS MUST BE PRESENT FOR ALL APPLICABLE PRODUCT SOLUTIONS. PSP/ CPP/ RCDD/ INFOCOMM CTS CERTIFIED ENGINEERS IN THE PROJECT IS AN ADDED ADVANTAGE.
4. CONTRACTOR MUST PROVIDE A DEDICATED ENGINEER AND TEAM FOR THIS PROJECT.

C. PROJECT SUBMITTALS

1. ALL SUBMITTALS TO BE PROVIDED AS A SINGLE ELECTRONIC FILE WITH ALL THE FOLLOWING SECTIONS MARKED SEPARATELY AND THE TABLE OF CONTENTS MENTIONING ALL CONTAINED DOCUMENTS. HARD COPIES OF SUBMITTALS TO BE PROVIDED UPON REQUEST FROM THE OWNER/ GENERAL CONTRACTOR.
   - 1.1. BID FORM SUBMITTED IN EXCEL FORMAT
   - 1.2. SCOPE OF WORK
   - 1.3. MANUFACTURER CERTIFICATIONS FOR ALL PRODUCTS
   - 1.4. CUT SHEETS OF PROPOSED PRODUCTS
   - 1.5. INDUSTRY CERTIFICATIONS OF ASSIGNED PROJECT TEAM MEMBERS
   - 1.6. PREVIOUS PROJECT EXPERIENCE WITH REFERENCES
   - 1.7. LIST OF ANY LONG LEAD ITEMS WITH ESTIMATED LEAD TIME
2. AFTER THE AWARD OF THE CONTRACT, ON PROJECT KICKOFF, THE CONTRACTOR TO PROVIDE THE MATERIAL SUBMITTAL INCLUDING THE FOLLOWING DOCUMENTS. THE SUBMITTAL MUST BE APPROVED PRIOR TO COMMENCING WORK/ OR ORDERING MATERIALS.
   - 2.1. FLOOR PLANS, DETAIL AND LOW-LEVEL RISER DIAGRAM
   - 2.2. CUT SHEETS FOR ALL PRODUCTS BEING PROVIDED WITH COLOR SELECTION
   - 2.3. MOCKUPS
   - 2.4. FINAL LIST OF DEVICES WITH QUANTITIES PRIOR TO ORDER
   - 2.5. MOUNTING HEIGHT DIMENSIONS
   - 2.6. HEAT LOADS, POWER AND PLUG REQUIREMENTS FOR ALL ACTIVE COMPONENTS.

D. PROJECT STANDARDS

1. ALL MATERIALS AND WORKMANSHIP SHALL COMPLY WITH ALL APPLICABLE EMPLOYER STANDARDS, NATIONAL/ LOCAL/ STATE CODES, SPECIFICATIONS, LOCAL ORDINANCES AND INDUSTRY STANDARDS INCLUDING, BUT NOT LIMITED TO THE FOLLOWING:
   - 1.1. ADA: AMERICANS WITH DISABILITIES ACT
   - 1.2. ANSI: AMERICAN NATIONAL STANDARDS INSTITUTE
   - 1.3. ASTM: AMERICAN SOCIETY FOR TESTING AND MATERIALS INTERNATIONAL
   - 1.4. BICSI: BUILDING INDUSTRY CONSULTING SERVICE INTERNATIONAL, INC.
   - 1.5. DASMA: DOOR AND ACCESS SYSTEMS MANUFACTURERS ASSOCIATION
   - 1.6. DHI: DOOR AND HARDWARE INSTITUTE
   - 1.7. FCC: FEDERAL COMMUNICATIONS COMMISSION
   - 1.8. IAPSC: INTERNATIONAL ASSOCIATION OF PROFESSIONAL SECURITY CONSULTANTS
   - 1.9. IBC: INTERNATIONAL BUILDING CODE
   - 1.10. IEEE: INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS, INC. (THE)
   - 1.11. INFOCOMM: INFOCOMM INTERNATIONAL
   - 1.12. ISO: INTERNATIONAL ORGANIZATION FOR STANDARDIZATION
   - 1.13. ISO 9000/9001
   - 1.14. ITU: INTERNATIONAL TELECOMMUNICATION UNION
   - 1.15. NEC: NATIONAL ELECTRICAL CODE
   - 1.16. NECA/NEIS: NATIONAL ELECTRICAL CONTRACTORS ASSOCIATION/ NATIONAL ELECTRICAL INSTALLATION STANDARDS
   - 1.17. NEMA: NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
   - 1.18. NFPA: NATIONAL FIRE PROTECTION ASSOCIATION
   - 1.19. OSHA: OCCUPATIONAL HEALTH AND SAFETY ASSOCIATION REQUIREMENTS
   - 1.20. SIA: SECURITY INDUSTRY ASSOCIATION
   - 1.21. TIA/EIA: TELECOMMUNICATIONS INDUSTRY ASSOCIATION/ELECTRONIC INDUSTRIES ALLIANCE
   - 1.22. UL: UNDERWRITERS LABORATORIES INC.
   - 1.23. LOCAL CODE AMENDMENTS
2. ALL TECHNOLOGY PRODUCTS AND MATERIALS USED IN THIS PROJECT SHALL BE NEW, UNLESS NOTED OTHERWISE, AND SHALL BE CLEAN, FREE OF DEFECTS, DAMAGE AND CORROSION.
3. ALL PRODUCTS AND MATERIALS SHALL BE LISTED AND LABELED BY U.L., C.S.A., E.T.L., OR ANOTHER CERTIFIED TESTING LABORATORY.
4. EACH ENTITY ENGAGED IN CONSTRUCTION ON PROJECT SHOULD BE FAMILIAR WITH INDUSTRY STANDARDS APPLICABLE TO ITS CONSTRUCTION ACTIVITY.
5. CONTRACTORS WILL COMPLY WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL LAWS, STATUES AND ORDINANCES INCLUDING, BUT NOT LIMITED TO, THE RULES, REGULATIONS AND STANDARDS OF THE OCCUPATIONAL SAFETY AND HEALTH ACT OF 1970, THE FEDERAL CONTRACT WORK HOURS AND SAFETY STANDARDS ACT, AND THE RULES AND REGULATIONS PROMULGATED UNDER THESE ACTS.
6. WHEN MULTIPLE CODES PROVIDE SIMILAR DIRECTION, THE CONTRACTOR MUST FOLLOW THE MOST STRINGENT OF THE APPLICABLE CODES.

E. CABLING STANDARDS AND LABELING

1. IN SUSPENDED CEILING AND RAISED FLOOR AREAS WHERE DUCT, CABLE TRAYS OR CONDUIT ARE NOT AVAILABLE, THE CONTRACTOR SHALL BUNDLE, IN BUNDLES OF 50 OR LESS, HORIZONTAL DISTRIBUTION WIRING WITH CABLE TIES SNUG, BUT NOT DEFORMING THE CABLE GEOMETRY. WHERE CABLE BUNDLES ARE TO BE SUPPORTED BY J-HOOKS, THE J-HOOKS SHALL BE ATTACHED TO THE BUILDING STRUCTURE AND FRAMEWORK PER LOCAL CODES AND REGULATIONS AT A MAXIMUM OF FIVE (5) FOOT INTERVALS.
2. CABLES SHALL BE BUNDLED BY MEANS OF VELCRO. ZIP-TIES ARE UNACCEPTABLE.
3. ALL CABLING MUST BE RATED FOR THE ENVIRONMENT IN WHICH IT WILL BE INSTALLED. THE CABLE JACKET MUST COMPLY WITH THE REQUIREMENTS AND CODES OF THE LOCAL GOVERNING AUTHORITY.
4. THE CONTRACTOR IS RESPONSIBLE TO VERIFY AND DOCUMENT THE CABLING DISTANCES PRIOR TO CABLE PULLING. ANY LOCATIONS WHICH ARE NOT PHYSICALLY POSSIBLE TO MEET THE REQUIREMENTS MUST BE NOTIFIED TO THE OWNER/ GENERAL CONTRACTOR.
5. THE CONTRACTOR SHALL BE LIABLE FOR ALL ADDED COSTS IN ORDER TO MAKE THE COMMUNICATION CABLING SYSTEM TIA-568 COMPLIANT.
6. ALL HORIZONTAL CAT5/ CAT6 CABLES SHALL NOT EXCEED 295 FT FROM THE TELECOMMUNICATIONS OUTLETS TO THE RACK TERMINATION POINT. SUSPECTED LONG CABLES SHALL BE COORDINATED WITH G.C. AS SOON AS THEY ARE DISCOVERED.
7. ALL HORIZONTAL RG-6 COAX CABLES SHALL NOT EXCEED 150 FT FROM THE OUTLETS TO THE RESPECTIVE RACKS.
8. ALL HORIZONTAL RG-11 COAX CABLES SHALL NOT EXCEED 295 FT FROM THE OUTLETS TO THE RESPECTIVE RACKS.
9. THE COMBINED LENGTH OF JUMPERS, OR PATCH CORDS AND EQUIPMENT CABLES IN THE TELECOMMUNICATIONS ROOM/CLOSET AND THE WORK AREA SHALL NOT EXCEED 33 FT.
10. HORIZONTAL PATHWAYS SHALL BE INSTALLED SUCH THAT THE MINIMUM BENDING RADIUS OF HORIZONTAL CABLES IS KEPT WITHIN MANUFACTURER SPECIFICATIONS BOTH DURING AND AFTER INSTALLATION.
11. TELECOMMUNICATIONS PATHWAYS, SPACES AND METALLIC RACEWAYS, WHICH RUN PARALLEL WITH ELECTRIC POWER OR LIGHTING CABLES OR CONDUITS, SHALL BE INSTALLED WITH A MINIMUM CLEARANCE OF 12 INCHES.
12. EACH RUN OF UTP/STP CABLE BETWEEN THE HORIZONTAL PORTION IN THE TELECOMMUNICATION CLOSET AND THE DATA OUTLET SHALL NOT CONTAIN SPLICES.
13. ALL HORIZONTAL PATHWAYS SHALL BE DESIGNED, INSTALLED AND GROUNDED TO MEET APPLICABLE LOCAL AND NATIONAL CODES.
14. HORIZONTAL DISTRIBUTION CABLES SHALL NOT BE EXPOSED IN THE WORK AREA OR OTHER LOCATIONS WITH PUBLIC ACCESS.
15. VERIFY THE EXPOSED CABLING ROUTES WITH THE OWNER PRIOR TO INSTALLATION.
16. ALL RACKS SHALL BE ANCHORED TO THE FLOOR, STRUCTURE BELOW OR WALL AND ASSEMBLED AS DIRECTED BY THE MANUFACTURER WITH THE ADDITION OF ANY SUPPLEMENTAL GROUNDING REQUIREMENTS LISTED ELSEWHERE IN THESE DOCUMENTS.
17. ALL CABLES, FACEPLATES, CABLING ENCLOSURES, PATCH PANELS, TERMINATION BLOCKS, RACKS, EQUIPMENT ENCLOSURES AND RELATED HARDWARE SHALL BE LABELED IN COMPLIANCE WITH ANSI/ TIA/EI 606.
18. ALL LABELS SHALL BE PERMANENT, I.E., WILL NOT FADE, PEEL, OR DETERIORATE DUE TO ENVIRONMENT OR TIME.
19. HANDWRITTEN LABELS ARE NOT ACCEPTABLE.
20. LABEL IN BOLD, ALL CAPITAL LETTERS THE CABLE TERMINATIONS ON DESIGNATION STRIPS, ALL CABLE AT EACH TERMINATING POINT AND EACH PORT OF THE WORK AREA OUTLET.
21. THE IDENTIFICATION TAG OR PLACARD SHALL BE SELF-ADHERING OR ATTACHED BY MEANS OF A PERMANENT ADHESIVE LISTED FOR THE APPLICATION, OR OTHER PERMANENT MECHANICAL MEANS.
22. ALL MEANS OF IDENTIFICATION SHALL BE VISIBLE AND CLEARLY IDENTIFIABLE BY PERSONNEL IN CHARGE OF MAINTAINING THE CABLING INFRASTRUCTURE.
23. ALL LAMINATED PLACARDS SHALL HAVE A BLACK FIELD WITH WHITE LETTERS, UNLESS OTHERWISE NOTED.
24. THE LABEL SCHEME AT OUTLET TO FOLLOW THE SCHEME "IDF-LOCATION-PORT" E.G. 1F1-001-D1
25. ALL FACEPLATES SHALL BE LABELED A MINIMUM ½" IN HEIGHT WITH THE ROOM IN WHICH THE FACEPLATE IS LOCATED.
26. ALL UTP BACKBONE CABLING AND FIBER CABLING SHALL BE MARKED, AT BOTH ENDS, WITH THE EXACT SOURCE AND DESTINATION INFORMATION, I.E. TELECOMMUNICATIONS SPACE ID, RACK, PATCH PANEL AND PORTS, OR PUNCH DOWN BLOCK ID AND PORTS. EACH LABEL SHALL BE APPROXIMATELY 2" FROM THE END OF THE SHEATH.
27. ALL RACKS SHALL BE LABELED WITH A 2" HIGH LABEL TAPE IN ORDER TO THE IDENTITY OF THE DEVICE INDICATED ON THE DRAWINGS. THE LABEL SHALL BE MADE OF PLASTIC LAMINATE AND ATTACHED AT THE CENTER OF THE FRONT TOP RAIL OF THE RACK AND SHALL BE VISIBLE FROM EYE LEVEL.
28. AUDIO VISUAL LABELING SHALL ADHERE TO THE INFOCOMM F501.01 STANDARD.

F. PROJECT MANAGEMENT & COORDINATION

1. A SINGLE PROJECT MANAGER AND A DEDICATED PROJECT TEAM MUST BE ALLOCATED FOR THIS PROJECT BY THE CONTRACTOR.
2. THE PROJECT MANAGER'S RESPONSIBILITIES INCLUDE, BUT NOT LIMITED TO THE FOLLOWING:
   - 2.1. ATTEND THE KICKOFF MEETING PRIOR TO THE COMMENCEMENT OF WORK TO IDENTIFY AND COORDINATE ALL INTERDISCIPLINARY REQUIREMENTS OF THE LOW VOLTAGE SYSTEMS WITH OTHERS.
   - 2.2. DEVELOP A PROJECT PLAN FOR SCHEDULING AND COORDINATION OF TASKS WITH THE GENERAL AND ALL CONTRACTORS WITH THEIR RESPECTIVE SCOPES TO ENSURE EFFICIENT AND ORDERLY INSTALLATION OF EACH PART OF THE WORK.
   - 2.3. ATTEND COMBINED CONTRACTORS' MEETINGS WITH OTHER SEPARATE CONTRACTORS OR ENTITIES WORKING WEEKLY OR AS AND WHEN REQUIRED BY THE ENGINEER. THE MEETINGS WILL BE ARRANGED AND CONDUCTED BY THE ENGINEER FOR COORDINATING AND SEQUENCING PURPOSES, AND NEGOTIATING AND AGREEING DELIVERY SCHEDULES, PROGRAMS OF WORK AND INTERFACING ACTIVITIES, AS NECESSARY.
   - 2.4. TRACKING AND IDENTIFYING OF TIME SENSITIVE TASKS RELATED TO THE INSTALLATION OF THE SYSTEMS AND COORDINATING FOR THE ON-TIME DELIVERY OF THE PROJECT.
   - 2.5. COORDINATE INSTALLATION OF DIFFERENT COMPONENTS TO ENSURE MAXIMUM PERFORMANCE AND ACCESSIBILITY FOR REQUIRED MAINTENANCE, SERVICE, AND REPAIR.
   - 2.6. COORDINATE OPERATIONS WITH OPERATIONS, INCLUDED IN DIFFERENT SECTIONS THAT DEPEND ON EACH OTHER FOR PROPER INSTALLATION, CONNECTION, AND OPERATION.
   - 2.7. COORDINATE SEQUENCE OF ACTIVITIES TO ACCOMMODATE TESTS AND INSPECTIONS, AND COORDINATE SCHEDULE OF TESTS AND INSPECTIONS.
   - 2.8. HANDLING THE PROJECT CLOSEOUT ACTIVITIES.
3. THE CONTRACTOR SHALL NOT PERFORM ANY WORK OUTSIDE THE PROJECT SCOPE WITHOUT THE PRIOR WRITTEN CONSENT OF THE OWNER/ HOLDER OF CONTRACT. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY CHANGES MADE TO THE APPROVED BILL OF MATERIALS OR QUANTITIES WHICH ARE NOT IN COMPLIANCE WITH THE DRAWINGS AND SPECIFICATIONS.
4. NO APPROVAL SHALL BE PROVIDED IN THE FORM OF VERBAL CONSENT OR DIRECTION. THE CONTRACTOR SHALL NOT RECEIVE PAYMENTS FOR SUCH UNDOCUMENTED WORK PERFORMED.
5. FOR ANY DEVIATION FROM THE APPROVED DRAWINGS OR SPECIFICATION, A DOCUMENTED CHANGE ORDER PROCEDURE MUST BE FOLLOWED WHICH IS TO BE APPROVED BY THE OWNER/ CLIENT.

G. INSTALLATION, TESTING AND COMMISSIONING

1. THE CONTRACTOR SHALL GROUND ALL INSTALLED RACKS, CABINETS AND LADDER TRAYS.
2. THE CONTRACTOR MUST TEST AND CERTIFY ALL CABLE TERMINATIONS TO MEET THE SPECIFIED PERFORMANCE STANDARDS.
3. THE CONTRACTOR SHALL PROVIDE A COPY OF THE UNALTERED CERTIFICATION TEST REPORTS TO THE ENGINEER IN BOTH HARDCOPY AND ELECTRONIC FORMAT. THE DOCUMENT TO INCLUDE DESCRIPTION OF THE CABLE TESTED, TIME AND DATE OF THE TEST, TEST EQUIPMENT/ METHOD USED AND TEST RESULT.
4. UPON COMPLETION OF THE COPPER CABLE INSTALLATION, THE CONTRACTOR SHALL PERFORM COMPLETE COPPER CABLE CERTIFICATION TESTS ON EVERY CABLE, INCLUDED BUT NOT LIMITED TO:
   - 4.1. UTP COPPER CATEGORY 3/ MULTI-PAIR BACKBONE CABLE TESTING- CONTINUITY TESTING]
   - 4.2. UTP COPPER CATEGORY 5E: ANSI/ TIA 568-X, CATEGORY 5 PERMANENT LINK TEST
   - 4.3. UTP COPPER CATEGORY 6: ANSI/ TIA 568-X, CATEGORY 6 PERMANENT LINK TEST. FOR CATEGORY-6 SUPPORTING 10GBASE-T, THE TESTING SHOULD INCLUDE PAIR-TO-PAIR ALIEN FAR END CROSSTALK (AFEXT), ALIEN ATTENUATION-TO- CROSSTALK RATIO FROM THE FAR END (PS AACR-F), AND PAIR-TO-PAIR ALIEN NEXT (ANEXT).
   - 4.4. UTP COPPER CATEGORY 6A: ANSI/ TIA 568-X, CATEGORY 6A PERMANENT LINK TEST
5. UPON COMPLETION OF THE COAX CABLE INSTALLATION, THE CONTRACTOR SHALL PERFORM COMPLETE CABLE CERTIFICATION TESTS ON EVERY CABLE. THE TEST TO BE RUN MUST BE THE MOST CURRENT STANDARD TIA/ EIA 568-X WHICH MUST ALSO INCLUDE DB LOSS TESTING AND ELECTRONIC DOCUMENTATION OF EACH CABLE RUN. CONNECTOR INSERTION LOSS SHALL NOT EXCEED 1.5 DB. MAXIMUM LOSS BUDGET SHALL BE CALCULATED AT 1000 MHZ BASED ON A 20 DB INPUT SIGNAL AND SHOW AND END OF LINE SIGNAL STRENGTH OF NO LESS THAN 6 DB. TESTING SHALL VERIFY: LENGTH, PROPAGATION DELAY, CABLE INPUT, IMPEDANCE, CONTINUITY AND INSERTION LOSS AS A FUNCTION OF SIGNAL FREQUENCY.
6. UPON COMPLETION OF THE FIBER OPTIC BACKBONE CABLE INSTALLATION, THE CONTRACTOR SHALL PERFORM COMPLETE CABLE CERTIFICATION TESTS ON EVERY CABLE, INCLUDED BUT NOT LIMITED TO:
   - 6.1. BI- DIRECTIONAL OPTICAL POWER LOSS TESTED AND RECORDED ON ALL FIBER STRANDS PER TIA-568B.X STANDARDS.
   - 6.2. MULTIMODE FIBER BACKBONE SHALL BE TESTED AT 850NM AND 1300NM WAVE LENGTHS. ALL TESTING METHODS SHALL COMPLY WITH ANSI/ EIA/ TIA-526-14A METHOD B, ONE REFERENCE JUMPER. MAX POWER LOSS BUDGET: 2.0DB/KM @ 850 MHZ AND 1.5DB/KM @ 1300 MHZ
   - 6.3. SINGLE- MODE BACKBONE LINKS SHALL BE TESTED AT 1310 NM AND 1550 NM IN ACCORDANCE WITH ANSI/ TIA/ EIA-526-7, METHOD A.1, ONE REFENCE JUMPER. MAX POWER LOSS BUDGET: 1.75 DB/KM @ 1310 MHZ AND 1.25DB/KM @ 1550 MHZ.
7. FOR AUDIO VISUAL SYSTEMS, PERFORM ANSI/ INFOCOMM AUDIO VISUAL SYSTEMS PERFORMANCE VERIFICATION CHECKLIST.
8. ALL UTP FIELD TESTER SHALL BE FACTORY CALIBRATED EACH CALENDAR YEAR BY THE FIELD TEST EQUIPMENT MANUFACTURER AS STIPULATED BY THE MANUALS PROVIDED WITH THE FIELD TEST UNIT. THE CALIBRATION CERTIFICATE SHALL BE PROVIDED TO THE ENGINEER FOR REVIEW PRIOR TO THE START OF TESTING.
9. IN ADDITION TO ANY SPECIFIC TESTS MENTIONED HERE, THE CONTRACTOR SHALL PERFORM ALL REQUIRED TESTING AND DOCUMENTATION TO OBTAIN A FULLY CERTIFIED INSTALLATION FROM THE MANUFACTURER.
10. ALL TESTS SHALL BE PERFORMED WITH A CERTIFIED LEVEL LLL UTP TEST DEVICE.

H. SITE INSTRUCTIONS

1. CONTRACTOR MUST ENSURE THE CLEANLINESS OF THE COMPONENTS AND PERFORMANCE OF THE TECHNOLOGY EQUIPMENT. DURING CONSTRUCTION PERIOD ALL PASSIVE AND ACTIVE COMPONENTS SHALL BE PROTECTED FROM DUST AND PROPER CLEANING TO BE PERFORMED BEFORE INSTALLATION/ PROJECT COMPLETION.
2. PROTECTIVE COVERINGS ARE TO BE PLACED ON ALL WALL AND CEILING COMPONENTS THAT ARE INSTALLED PRIOR TO FINAL PAINT AND CARPET. THIS INCLUDES BUT NOT LIMITED TO CAMERAS, PROJECTORS, DISPLAYS, WALL OUTLETS,
3. CONTRACTOR SHALL NOT STORE MATERIALS IN WAY THAT IT WILL OBSTRUCT TRAFFIC OR OTHER EMPLOYER AND TENANT OPERATIONS.
4. WHERE EXISTING CONSTRUCTION IS CUT OR REMOVED, CONTRACTOR SHALL PATCH SURFACES TO MATCH EXISTING CONSTRUCTION TECHNIQUES. EXTENSION OF CONDUITS THROUGH FLOOR SLABS AND FIRE RATED PARTITIONS SHALL BE FIRE-STOPPED TO MEET 2-HOUR PENETRATION REQUIREMENTS.
5. AT NO TIME SHALL THE CONTRACTOR OBSTRUCT THE ROADWAYS OR OPERATIONAL AREAS. PROVIDE ROADWAY CONSTRUCTION AND SAFETY SIGNAGE PER LOCAL AUTHORITY REQUIREMENTS.
6. NO OPEN BURNING OF WASTE MATERIAL SHALL BE PERMITTED ON-SITE. LEGALLY DISPOSE OF ALL MATERIALS OFF-SITE.
7. REPAIR OF ANY EMPLOYER OR TENANT OWNED EQUIPMENT DAMAGED DURING CONSTRUCTION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
8. CONTRACTOR SHALL CAREFULLY REMOVE, STORE AND REPLACE ALL REMOVABLE CEILING AS REQUIRED TO PERFORM WORK. ANY DAMAGED CEILING SHALL BE REPLACED WITH MATCHING MATERIALS AT NO COST TO THE EMPLOYER.

I. TRAINING

1. ON-SITE HANDS-ON TRAINING AND SYSTEM DEMONSTRATION TO BE PROVIDED TO THE DESIGNATED TEAM OF THE OWNER/ END-USER BEFORE THE PROJECT HAND OVER.
2. A CERTIFIED TECHNICIAN/ ENGINEER TO TRAIN OWNER'S MAINTENANCE TEAM ON THE FUNCTIONALITIES AND TROUBLESHOOTING OF THE SYSTEMS.
3. A NARRATIVE DESCRIPTION OF EACH COURSE, INCLUDING ITS PURPOSE, TECHNICAL SCOPE, AND THE NUMBER OF HOURS FROM START OF COURSE TO TRAINEE CERTIFICATION TO BE PROVIDED PRIOR TO THE TRAINING SCHEDULE.
4. TRAINING MODULES COMPRISING OF MANUALS, CUTSHEETS TO BE PROVIDED AS TRAINING MATERIALS. IT SHOULD ALSO MENTION THE TRAINING PROGRAM STATING ALL PROGRAM COURSES AND ACTIVITIES, AND THEIR INDIVIDUAL DURATION, SEQUENCE, AND INTERRELATIONSHIPS.

J. PROJECT HANDOVER

1. COMPLETE AND DIMENSIONED AS-BUILT DRAWINGS SHALL BE SUBMITTED TO THE EMPLOYER IN ACCORDANCE WITH THE SPECIFICATIONS.
2. ALL USER-MANUALS, CUTSHEETS TO BE INCLUDED IN THE PROJECT CLOSE-OUT SUBMITTAL.
3. DOCUMENTATION OF CONFIGURATIONS, SETTINGS, LABELLING SCHEMES, CABLING TESTING FOR ALL STRUCTURED CABLING, PROGRAMMING IN AN EDITABLE AND USER CONFIGURABLE FORMAT AND ACTIVE NETWORK TEST REPORTS TO BE PROVIDED.
4. LETTER OF WARRANTY
5. SERVICE LEVEL AGREEMENT WITH THE CONTACTS

K. WARRANTY & SERVICE

1. THE CONTRACTOR SHALL PROVIDE WARRANTY FOR EACH COMPONENT WITHIN THIS PROJECT AGREEING TO REPAIR, RESTORE, OR REPLACE DEFECTIVE WORK / COMPONENTS WITHIN ONE (1) YEAR OF PROJECT'S HAND OVER AS A MINIMUM UNLESS LONGER DURATION IS SPECIFIED BY THE MANUFACTURER.
2. IN ADDITION TO SPECIFIC PRODUCT REQUIREMENTS, CONTRACTOR AGREES TO REPAIR OR REPLACE DEFECTIVE MATERIALS, WORKMANSHIP, OR FAILURES IN A TIMELY, SATISFACTORY MANNER AT NO COST TO THE EMPLOYER.
3. ALL FIRMWARE OR SOFTWARE UPGRADES DURING THIS PERIOD SHALL BE INCLUDED AND INSTALLED DURING THE WARRANTY PERIOD.
4. A TECHNICIAN TO BE DISPATCHED TO THE PROJECT LOCATION WITHIN (6) MONTHS OF PROJECT HANDOVER TO VERIFY THE FUNCTIONING OF THE INSTALLED SYSTEMS AT NO ADDITIONAL COST TO THE OWNER.
5. THE REPAIR OR REPLACEMENT HARDWARE TO BE PROVIDED WITHIN 24 HOURS OF FAILURE OF ANY HARDWARE.
6. SERVICE LEVEL AGREEMENT TO FOLLOW BELOW TERMS:
   - i. ON-SITE SUPPORT IN THE EVENT OF A SYSTEM OR COMPONENT FAILURE OR ERROR.
   - ii. ON-SITE RESPONSE IN 2 HOURS TO BE PROVIDED DURING WEEKDAYS.
   - iii. ON-SITE RESPONSE IN 4 HOURS TO BE PROVIDED DURING WEEKENDS.
   - iv. IMMEDIATE ON-CALL SUPPORT FOR SYSTEM FAILURES OR ERRORS TO BE INCLUDED.
7. A LOG OF ALL WARRANTY ISSUES AND CALLS TO BE PROVIDED TO THE OWNER AT THE END OF THE WARRANTY PERIOD.

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5536/5482 Cypress Road
City of Oxnard, California

People's Self-Help Housing

Technology Systems

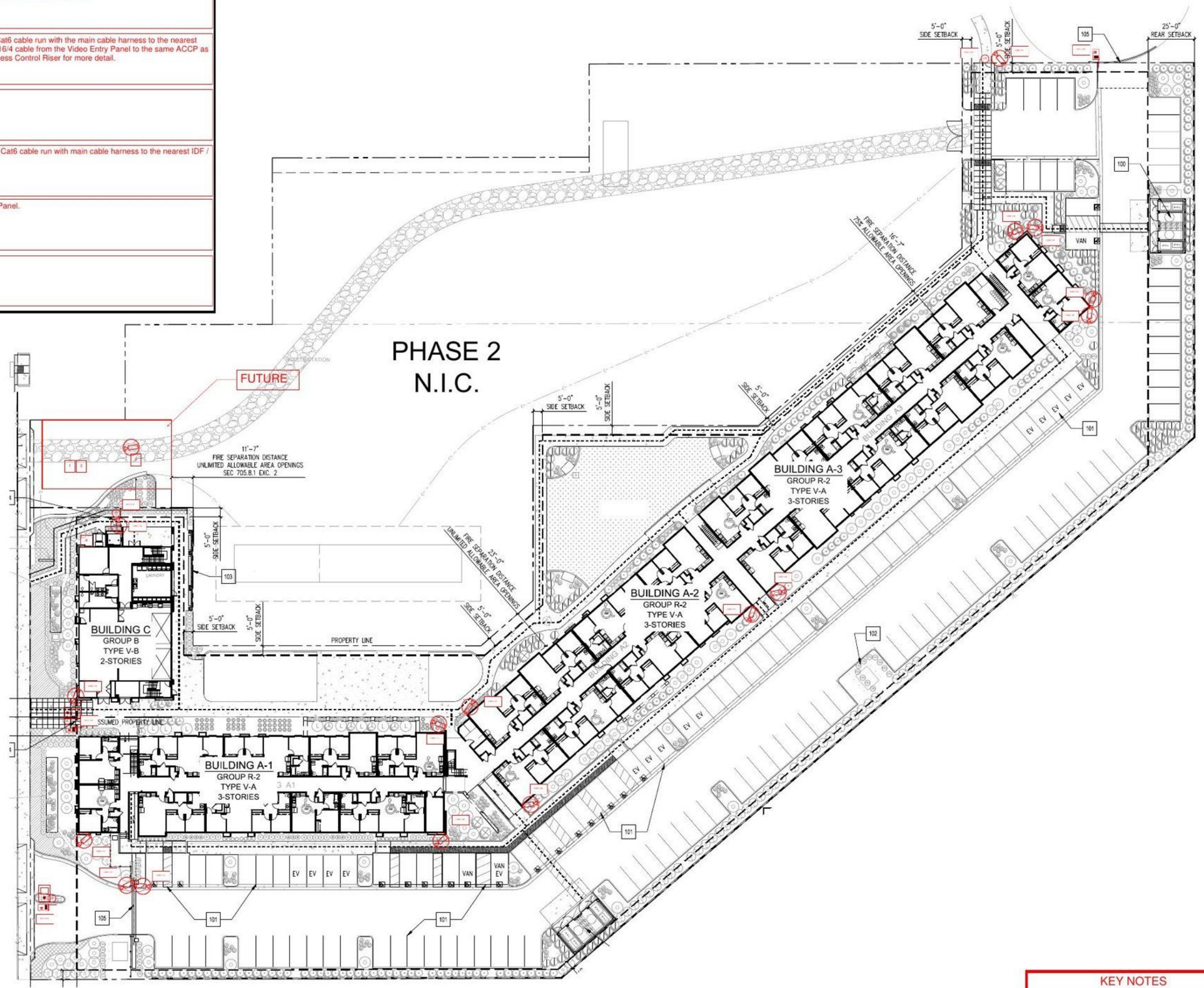
Job Number:
XX-XXX
Design Date:
04-24-2024
Version:
Owners Meeting

SYS.0.00

SYMBOLS LEGEND
(some symbols may not apply to all pages)

CR	Card Reader. (1) 22\6 cable run with the main cable harness to the nearest ACCP location. (1) 14/2 cable from the door lock run with the main cable harness to the nearest ACCP location. See Access Control Riser for more detail.
DC	Door Contact. (1) 22/4 cable run with the main cable harness to the nearest ACCP location. See Access Control Riser for more detail.
	Video Entry Panel. (1) Cat6 cable run with the main cable harness to the nearest IDF / MDF location. (1) 16/4 cable from the Video Entry Panel to the same ACCP as the noted door. See Access Control Riser for more detail.
	"Click-to-Enter"
RFG	Future RF Gateway. (1) Cat6 cable run with main cable harness to the nearest IDF / MDF room.
ACCP	Paxton Access Control Panel.

PHASE 2
N.I.C.



KEY NOTES

1. Future access controlled pedestrian gate. Run future Card reader and lock power from Building C IT closet to a surface mounted 10x15 NEMA enclosure.
2. Future access controlled vehicle gate. Run future Card reader and trigger wire from Building C IT closet to a surface mounted 10x10 NEMA enclosure.
3. Future Telephone Entry Panel. Run future Telephone Entry Panel wire from Building C IT closet to a surface mounted 10x10 NEMA enclosure.

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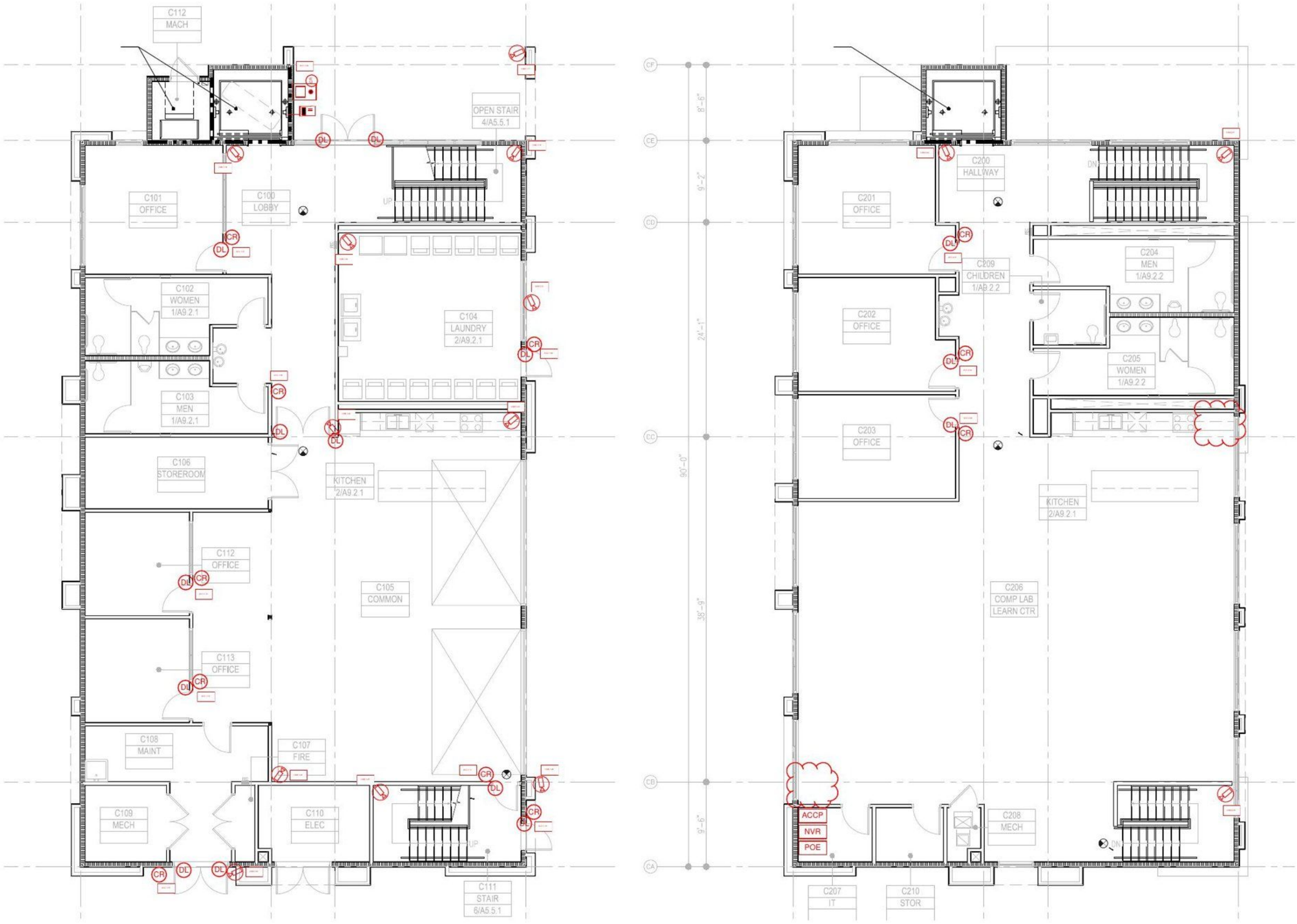
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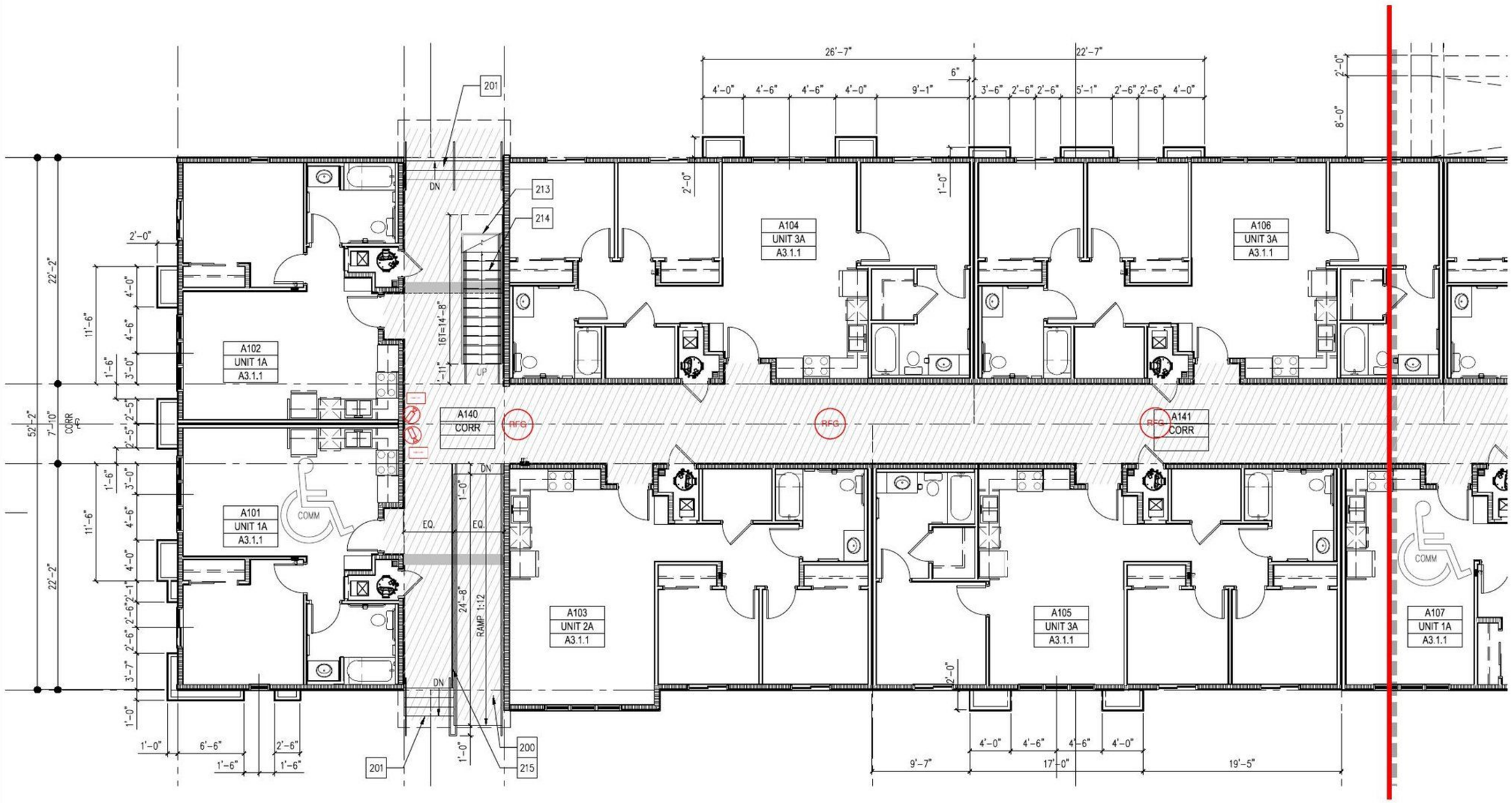
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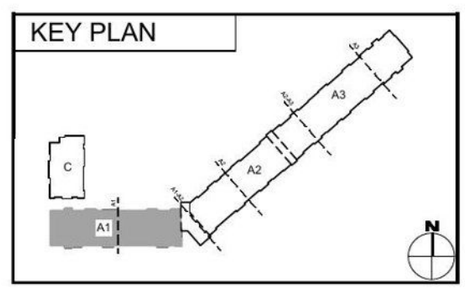
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KEY PLAN



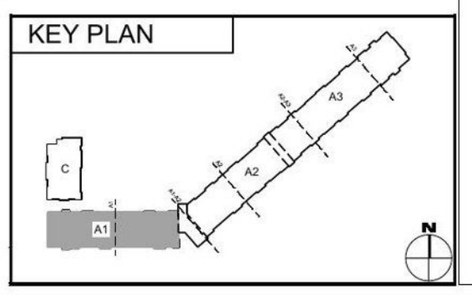
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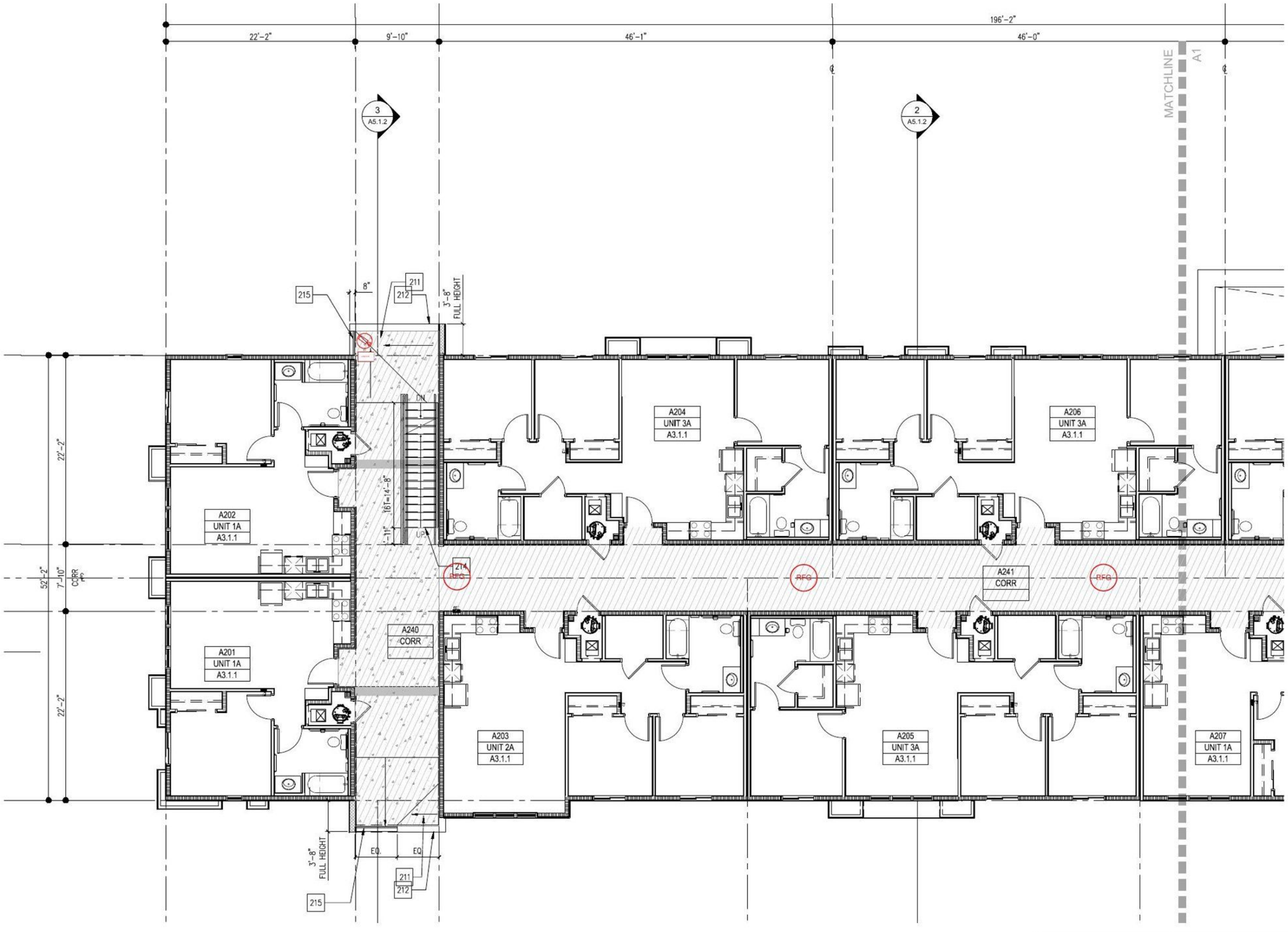
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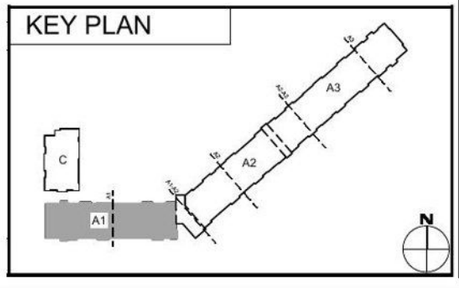
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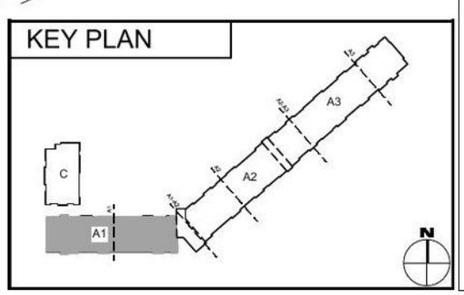
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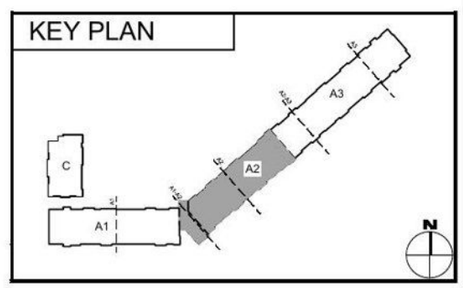
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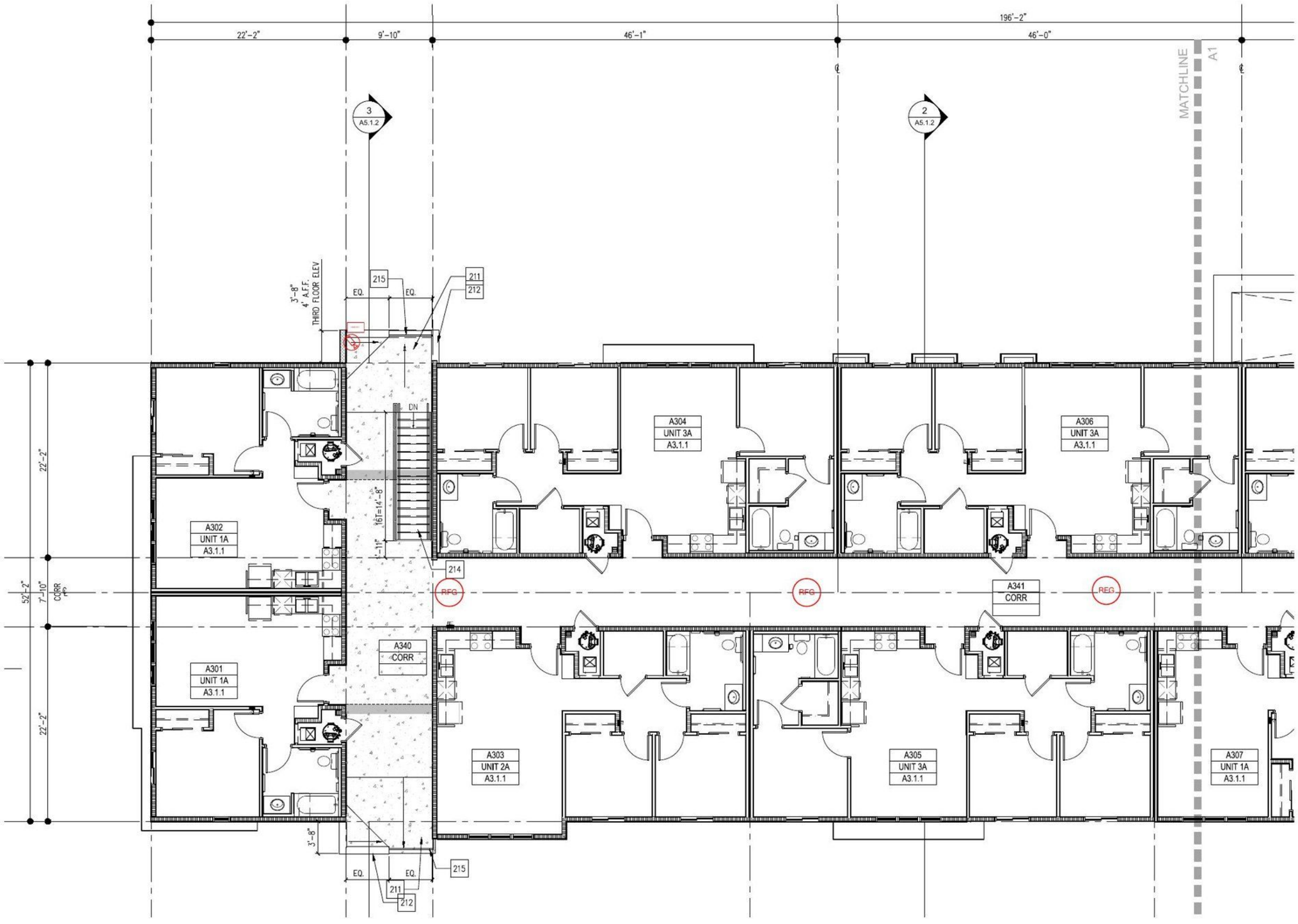
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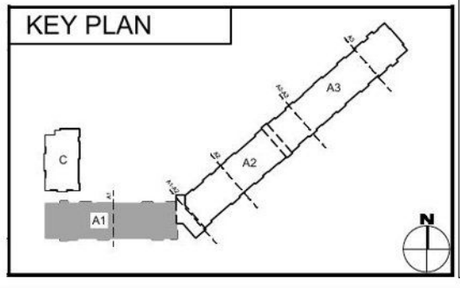
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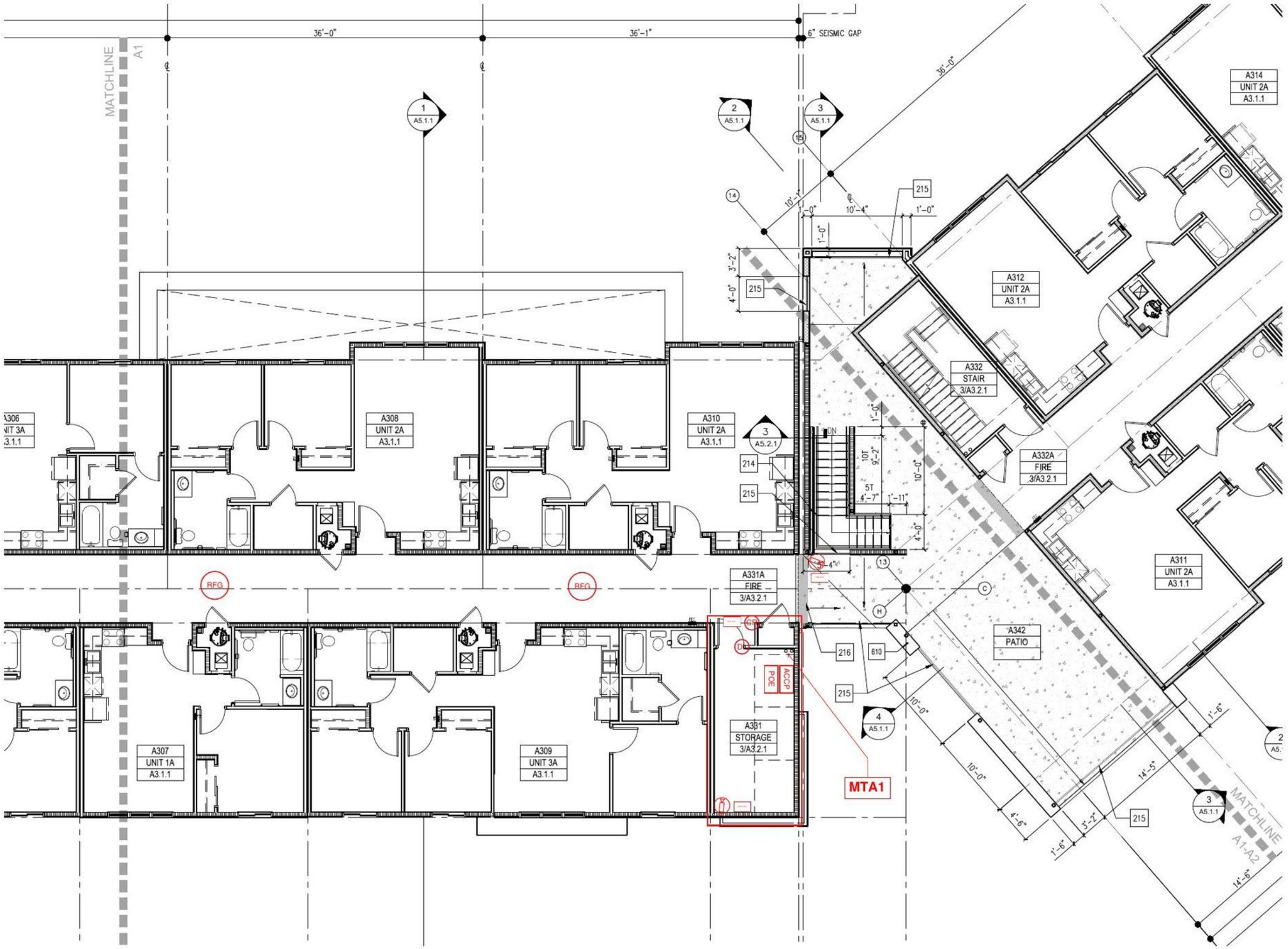
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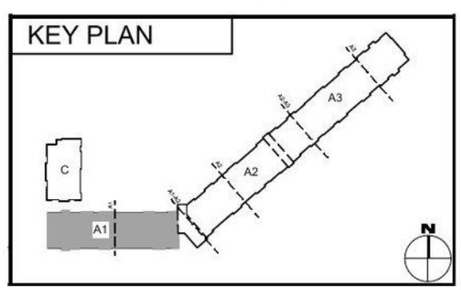
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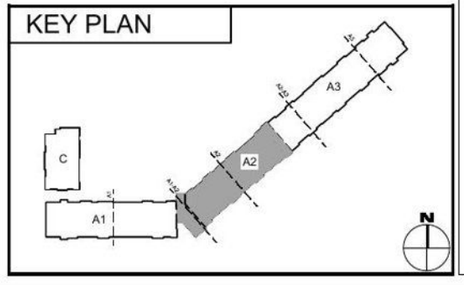
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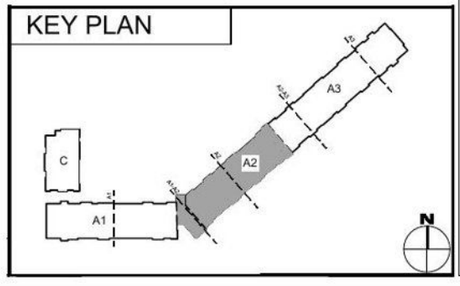
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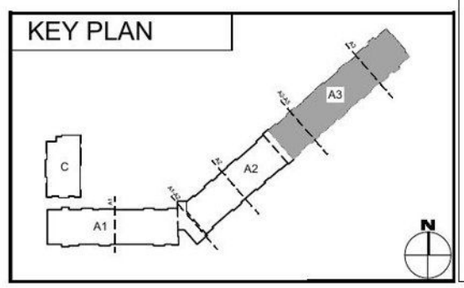
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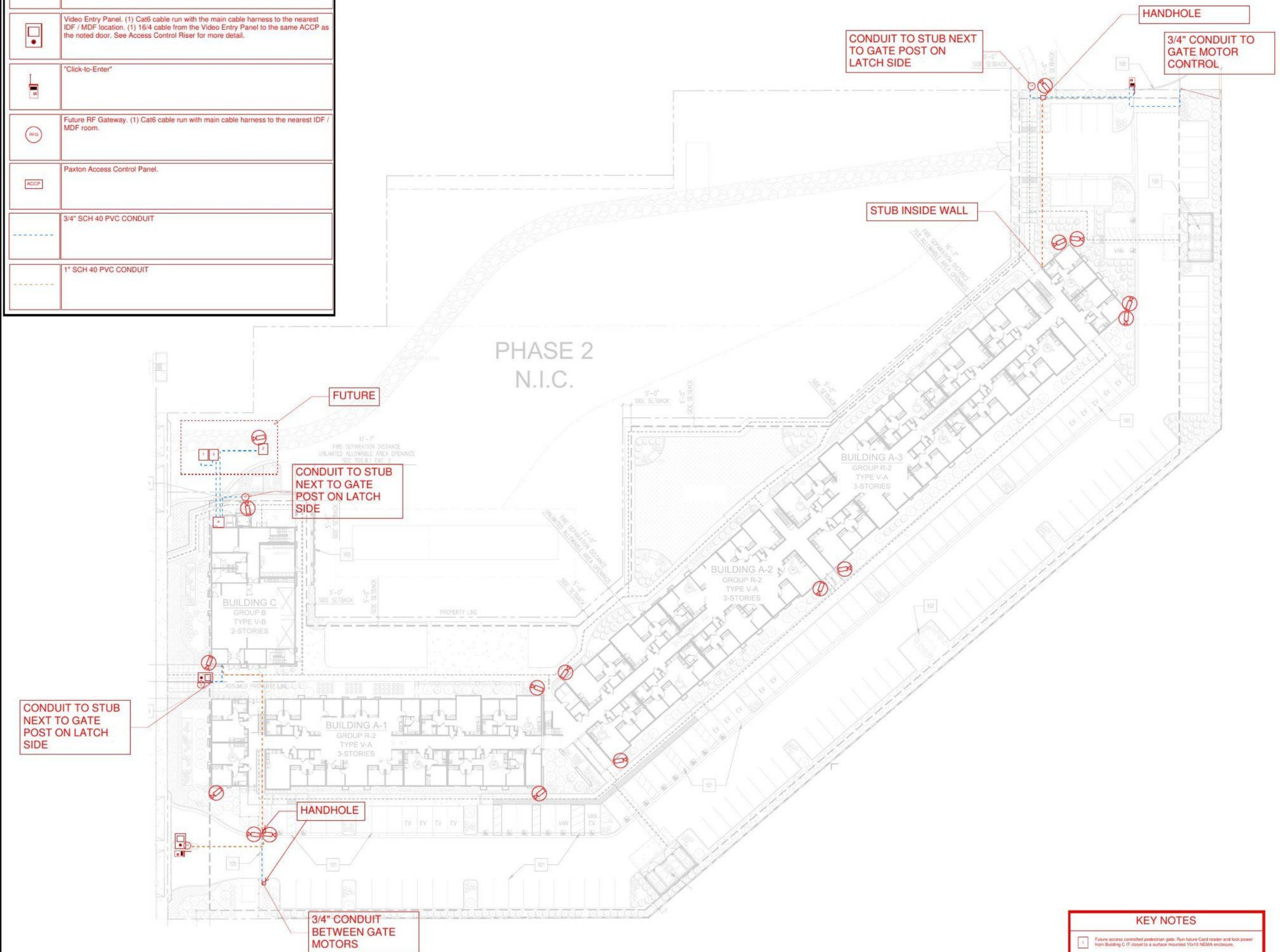
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SYMBOLS LEGEND
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CR DC	Card Reader. (1) 22\6 cable run with the main cable harness to the nearest ACCP location. (1) 14/2 cable from the door lock run with the main cable harness to the nearest ACCP location. See Access Control Riser for more detail.
	Video Entry Panel. (1) Cat6 cable run with the main cable harness to the nearest IDF / MDF location. (1) 16/4 cable from the Video Entry Panel to the same ACCP as the noted door. See Access Control Riser for more detail.
	"Click-to-Enter"
RFG	Future RF Gateway. (1) Cat6 cable run with main cable harness to the nearest IDF / MDF room.
ACCP	Paxton Access Control Panel.
	3/4" SCH 40 PVC CONDUIT
	1" SCH 40 PVC CONDUIT



KEY NOTES

1. Future access controlled pedestrian gate. Run future Card reader and lock power from Building C IT closet to a surface mounted 10x10 NEMA enclosure.
2. Future access controlled vehicle gate. Run future Card reader and trigger wire from Building C IT closet to a surface mounted 10x10 NEMA enclosure.
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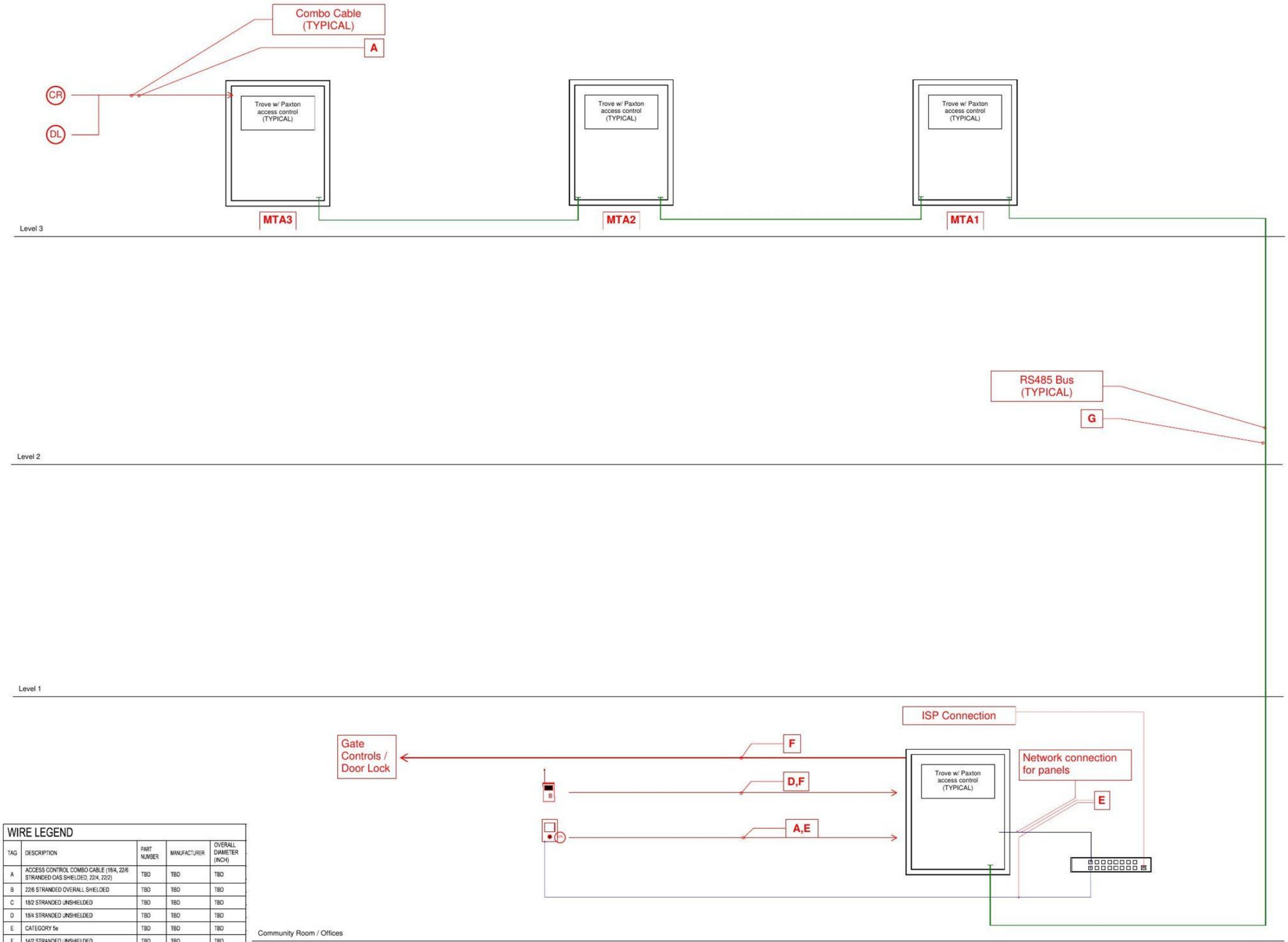
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CONDUIT PLAN

ACCESS CONTROL RISER



WIRE LEGEND				
TAG	DESCRIPTION	PART NUMBER	MANUFACTURER	OVERALL DIAMETER (INCH)
A	ACCESS CONTROL COMBO CABLE (18/4, 22/6 STRANDED OAS SHIELDED, 22/4, 22/2)	TBD	TBD	TBD
B	22/6 STRANDED OVERALL SHIELDED	TBD	TBD	TBD
C	18/2 STRANDED UNSHIELDED	TBD	TBD	TBD
D	18/4 STRANDED UNSHIELDED	TBD	TBD	TBD
E	CATEGORY 5e	TBD	TBD	TBD
F	14/2 STRANDED UNSHIELDED	TBD	TBD	TBD
G	18/4 STRANDED SHIELDED	TBD	TBD	TBD
H	22/2 STRANDED UNSHIELDED	TBD	TRD	TBD
I	22/4 STRANDED UNSHIELDED	TBD	TBD	TBD

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DETAILS 1

ACCESS CONTROL DOOR ID	ACCESS CONTROL DOOR - PLAN PAGE	ACCESS CONTROL LOCATION	TYPE OF EQUIPMENT
ACC-1.01	SITE PLAN	NORTHWEST PED GATE	CARD READER
ACC-1.02	SITE PLAN	WEST PED GATE	CARD READER , CLICK-2-ENTER, CALL BOX
ACC-1.03	SITE PLAN	WEST VEHICLE ENTRANCE / EXIT	CARD READER, CLICK-2-ENTER, CALL BOX
ACC-1.04	SITE PLAN	NORTH PED GATE	CARD READER
ACC-1.05	SITE PLAN	NORTH VEHICLE ENTRANCE / EXIT	CLICK-2-ENTER
ACC-1.06	SYS-00.1	C100 - LOBBY	CARD READER, CLICK-2-ENTER, CALL BOX
ACC-1.07	SYS-00.1	C101 - OFFICE	CARD READER
ACC-1.08	SYS-00.1	C104 - LAUNDRY	CARD READER
ACC-1.09	SYS-00.1	C105 - COMMON AREA	CARD READER
ACC-1.11	SYS-00.1	C111 - STAIR FROM COMMON AREA	CARD READER
ACC-1.12	SYS-00.1	C111 - STAIR FROM EXTERIOR	CARD READER
ACC-1.13	SYS-00.1	C112- OFFICE	CARD READER
ACC-1.14	SYS-00.1	C113 - OFFICE	CARD READER
ACC-1.15	SYS-00.1	C108 - MAINTENANCE FROM EXTERIOR	CARD READER
ACC-1.16	SYS-1.C	A132 - STORAGE	CARD READER
ACC-1.17	SYS-1.F	A134 - STORAGE	CARD READER
ACC-2.01	SYS-00.1	C201 - OFFICE	CARD READER
ACC-2.02	SYS-00.1	C202 - OFFICE	CARD READER
ACC-2.03	SYS-00.1	C203 - OFFICE	CARD READER
ACC-2.04	SYS-2.B	A231 - BIKE	CARD READER
ACC-2.05	SYS-2.C	A232-STORAGE	CARD READER
ACC-2.06	SYS-2.F	A234-STORAGE	CARD READER
ACC-2.07	SYS-2.F	A233-BIKE STORAGE	CARD READER
ACC-3.01	SYS-3.A	A331-STORAGE	CARD READER
ACC-3.02	SYS-3.F	A333-STORAGE	CARD READER

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Cypress Place at Garden City
5536/5482 Cypress Road
City of Oxnard, California

People's Self-Help Housing

Technology Systems

Job Number:
XX-XXX
Design Date:
04-24-2024
Version:
Owners Meeting

DETAILS 2

CAM-1.01	SITE PLAN	NORTHWEST PED GATE	8 MP Fixed Dome Network Camera With Color 24/7 - 2.8mm - Camera to be wall/ceiling mounted no higher than 7' AFF
CAM-1.02	SITE PLAN	TRASH ENCLOSURES / PARKING	8 MP Fixed Dome Network Camera With Color 24/7 - 2.8mm - Camera to be wall/ceiling mounted no higher than 7' AFF
CAM-1.03	SITE PLAN	PED WALKWAY / BUILDING A.3 ENTRANCE	8 MP Fixed Dome Network Camera With Color 24/7 - 2.8mm - Camera to be wall/ceiling mounted no higher than 7' AFF
CAM-1.04	SITE PLAN	NORTH EMERGENCY VEHICLE GATE / PARKING	8 MP Fixed Dome Network Camera With Color 24/7 - 2.8mm - Camera to be wall/ceiling mounted no higher than 7' AFF
CAM-1.05	SITE PLAN	PARKING / EV CHARGERS	8 MP Fixed Dome Network Camera With Color 24/7 - 2.8mm - Camera to be wall/ceiling mounted no higher than 7' AFF
CAM-1.06	SITE PLAN	PARKING	8 MP Fixed Dome Network Camera With Color 24/7 - 2.8mm - Camera to be wall/ceiling mounted no higher than 7' AFF
CAM-1.07	SITE PLAN	PARKING / EV CHARGERS	8 MP Fixed Dome Network Camera With Color 24/7 - 2.8mm - Camera to be wall/ceiling mounted no higher than 7' AFF
CAM-1.08	SITE PLAN	PARKING / EV CHARGERS	8 MP Fixed Dome Network Camera With Color 24/7 - 2.8mm - Camera to be wall/ceiling mounted no higher than 7' AFF
CAM-1.09	SITE PLAN	PARKING / MAIN VEHICLE ENTRY	8 MP Fixed Dome Network Camera With Color 24/7 - 2.8mm - Camera to be wall/ceiling mounted no higher than 7' AFF
CAM-1.10	SITE PLAN	LEVEL ONE PED WALKWAY 1	8 MP Fixed Dome Network Camera With Color 24/7 - 2.8mm - Camera to be wall/ceiling mounted no higher than 7' AFF
CAM-1.11	SITE PLAN	LEVEL ONE PED WALKWAY 2	8 MP Fixed Dome Network Camera With Color 24/7 - 2.8mm - Camera to be wall/ceiling mounted no higher than 7' AFF
CAM-1.12	SITE PLAN	MAIN VEHICLE EXIT	LPR IPC, 4MP, 8 - 32 mm Auto Focus VF Motorized Lens, Matrix IR up to 328ft, True WDR - Camera to be pole mounted no higher than 5' AFF - Camera to capture images of vehicles, license plates and pedestrians
CAM-1.13	SITE PLAN	MAIN VEHICLE ENTRANCE / CALL BOX 1	LPR IPC, 4MP, 8 - 32 mm Auto Focus VF Motorized Lens, Matrix IR up to 328ft, True WDR - Camera to be pole mounted no higher than 5' AFF - Camera to capture images of vehicles, license plates and pedestrians
CAM-1.14	SITE PLAN	MAIN VEHICLE ENTRANCE / CALL BOX 2	8 MP Fixed Dome Network Camera With Color 24/7 - 2.8mm - Camera to be wall/ceiling mounted no higher than 7' AFF
CAM-1.15	SITE PLAN	WEST PED GATE	8 MP Fixed Dome Network Camera With Color 24/7 - 2.8mm - Camera to be wall/ceiling mounted no higher than 7' AFF
CAM-1.16	SITE PLAN	NORTHWEST PED GATE	8 MP Fixed Dome Network Camera With Color 24/7 - 2.8mm - Camera to be wall/ceiling mounted no higher than 7' AFF
CAM-1.17	SYS-00.1	MAIN LOBBY DOOR / CALL BOX	8 MP Fixed Dome Network Camera With Color 24/7 - 2.8mm - Camera to be wall/ceiling mounted no higher than 7' AFF
CAM-1.18	SYS-00.1	C100 LOBBY	4 MP Smart Fixed Dome Network Camera - 2.8 mm
CAM-1.19	SYS-00.1	STAIRWELL	4 MP Smart Fixed Dome Network Camera - 2.8 mm
CAM-1.20	SYS-00.1	C104 - LAUNDRY	4 MP Smart Fixed Dome Network Camera - 2.8 mm
CAM-1.21	SYS-00.1	C104 - LAUNDRY ENTRANCE / EXIT	4 MP Smart Fixed Dome Network Camera - 2.8 mm
CAM-1.22	SYS-00.1	C105 - COMMON SPACE ENTRANCE / EXIT	4 MP Smart Fixed Dome Network Camera - 2.8 mm
CAM-1.23	SYS-00.1	C105 - COMMON SPACE 1	4 MP Smart Fixed Dome Network Camera - 2.8 mm
CAM-1.24	SYS-00.1	C105 - COMMON SPACE 2	4 MP Smart Fixed Dome Network Camera - 2.8 mm
CAM-1.25	SYS-00.1	STAIRWELL	4 MP Smart Fixed Dome Network Camera - 2.8 mm
CAM-1.26	SYS-00.1	STAIRWELL ENTRY / EXIT	4 MP Smart Fixed Dome Network Camera - 2.8 mm
CAM-1.27	SYS-1.A	A140 - STAIRS	4 MP Smart Fixed Dome Network Camera - 2.8 mm
CAM-1.28	SYS-1.A	A140 - RAMP	4 MP Smart Fixed Dome Network Camera - 2.8 mm
CAM-1.29	SYS-1.B	A142- ENTRY / EXIT	4 MP Smart Fixed Dome Network Camera - 2.8 mm
CAM-1.30	SYS-1.B	A142-RAMP	4 MP Smart Fixed Dome Network Camera - 2.8 mm
CAM-1.31	SYS-1.C	A142-RAMP	4 MP Smart Fixed Dome Network Camera - 2.8 mm
CAM-1.32	SYS-1.C	A142- STAIRS	4 MP Smart Fixed Dome Network Camera - 2.8 mm
CAM-1.33	SYS-1.C	A132-STORAGE	4 MP Smart Fixed Dome Network Camera - 2.8 mm
CAM-1.34	SYS-1.D	A144-ENTRY / STAIRS	4 MP Smart Fixed Dome Network Camera - 2.8 mm
CAM-1.35	SYS-1.D	A144-ENTRY / RAMP	4 MP Smart Fixed Dome Network Camera - 2.8 mm
CAM-1.36	SYS-1.F	A146-ENTRY / STAIRS	4 MP Smart Fixed Dome Network Camera - 2.8 mm
CAM-1.37	SYS-1.F	A146-ENTRY / RAMP	4 MP Smart Fixed Dome Network Camera - 2.8 mm
CAM-1.38	SYS-1.F	A134-STORAGE	4 MP Smart Fixed Dome Network Camera - 2.8 mm
CAM-2.01	SYS-00.1	STAIRWALL LEVEL TWO	4 MP Smart Fixed Dome Network Camera - 2.8 mm
CAM-2.02	SYS-00.1	C200 HALLWAY	4 MP Smart Fixed Dome Network Camera - 2.8 mm
CAM-2.03	SYS-00.1	C206 COMPUTER LAB / KITCHEN	4 MP Smart Fixed Dome Network Camera - 2.8 mm
CAM-2.04	SYS-00.1	C206COMPUTER LAB	4 MP Smart Fixed Dome Network Camera - 2.8 mm
CAM-2.05	SYS-2.A	A240-STAIRS	4 MP Smart Fixed Dome Network Camera - 2.8 mm
CAM-2.06	SYS-2.B	A242-PATIO	4 MP Smart Fixed Dome Network Camera - 2.8 mm
CAM-2.07	SYS-2.B	A231-BIKE STORAGE	4 MP Smart Fixed Dome Network Camera - 2.8 mm
CAM-2.08	SYS-2.C	A242-STAIRS LEVEL TWO	4 MP Smart Fixed Dome Network Camera - 2.8 mm
CAM-2.09	SYS-2.C	A242-PATIO	4 MP Smart Fixed Dome Network Camera - 2.8 mm
CAM-2.10	SYS-2.D	A244-CORRIDOR	4 MP Smart Fixed Dome Network Camera - 2.8 mm
CAM-2.11	SYS-2.D	A244-STAIRS LEVEL TWO	4 MP Smart Fixed Dome Network Camera - 2.8 mm
CAM-2.12	SYS-2.F	A233-BIKE STORAGE	4 MP Smart Fixed Dome Network Camera - 2.8 mm
CAM-2.13	SYS-2.F	A246-CORRIDOR	4 MP Smart Fixed Dome Network Camera - 2.8 mm
CAM-2.14	SYS-2.F	A246-STAIRS LEVEL TWO	4 MP Smart Fixed Dome Network Camera - 2.8 mm
CAM-2.15	SYS-2.F	A234-STORAGE	4 MP Smart Fixed Dome Network Camera - 2.8 mm
CAM-3.01	SYS-3.A	A340-CORRIDOR	4 MP Smart Fixed Dome Network Camera - 2.8 mm
CAM-3.02	SYS-3.B	A331-STORAGE	4 MP Smart Fixed Dome Network Camera - 2.8 mm
CAM-3.03	SYS-3.B	A342-PATIO	4 MP Smart Fixed Dome Network Camera - 2.8 mm
CAM-3.04	SYS-3.C	A342-PATIO	4 MP Smart Fixed Dome Network Camera - 2.8 mm
CAM-3.05	SYS-3.C	A342-ENTRY/EXIT	4 MP Smart Fixed Dome Network Camera - 2.8 mm
CAM-3.06	SYS-3.D	A344-STAIRS	4 MP Smart Fixed Dome Network Camera - 2.8 mm
CAM-3.07	SYS-3.D	A344-CORRIDOR	4 MP Smart Fixed Dome Network Camera - 2.8 mm
CAM-3.08	SYS-3.F	A346-STAIRS	4 MP Smart Fixed Dome Network Camera - 2.8 mm
CAM-3.09	SYS-3.F	A346-CORRIDOR	4 MP Smart Fixed Dome Network Camera - 2.8 mm
CAM-3.10	SYS-3.F	A333-STORAGE	4 MP Smart Fixed Dome Network Camera - 2.8 mm

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OJAI, CALIFORNIA 93023
C-7 License Number: 1016236

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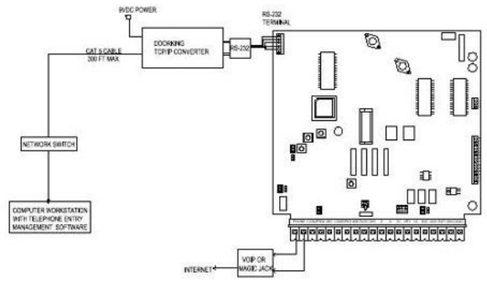
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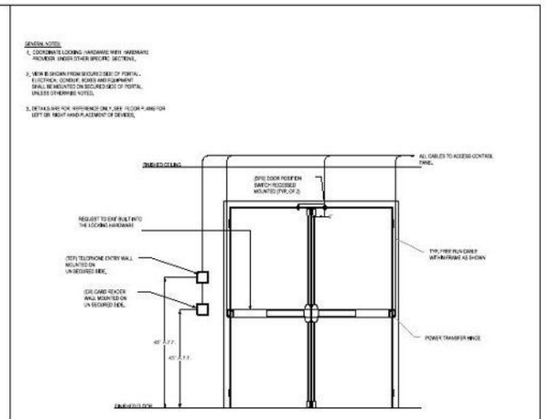
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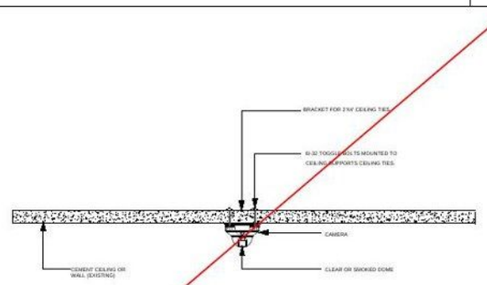
DETAILS 3



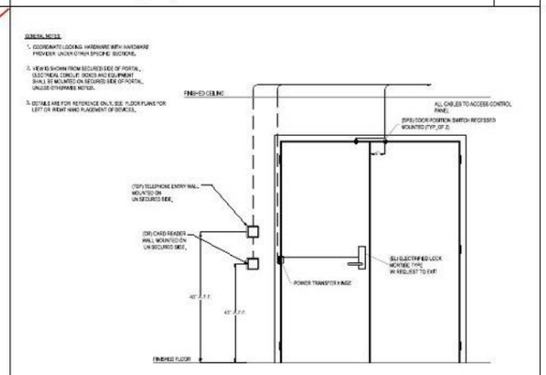
DOORKING TELEPHONE ENTRY - RS-232 TERMINAL USING TCP/IP CONVERTOR | H



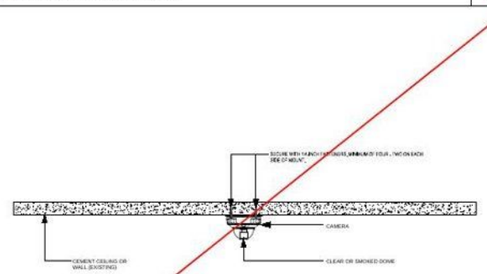
DOUBLE DOOR W/ CR, TEP, ELECT. PANIC HARDWARE & REX | D



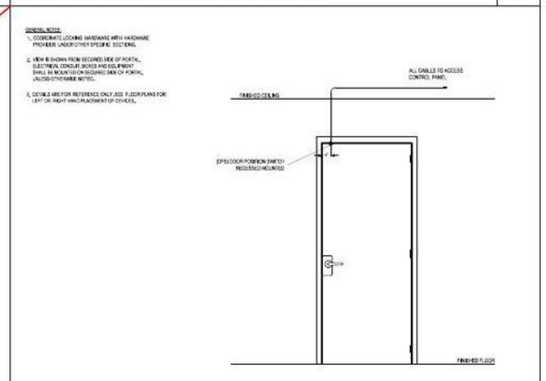
CEILING MOUNT INDOOR CAMERA | G



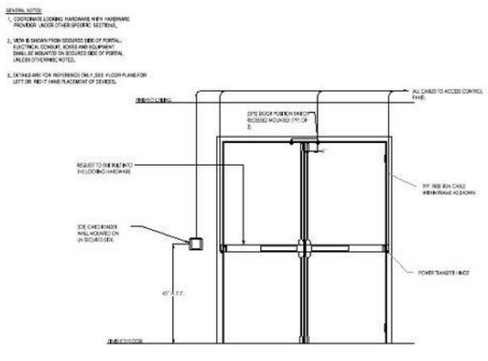
DOUBLE DOOR W/ CR, TEP, ELECTRIFIED LOCK & REX | C



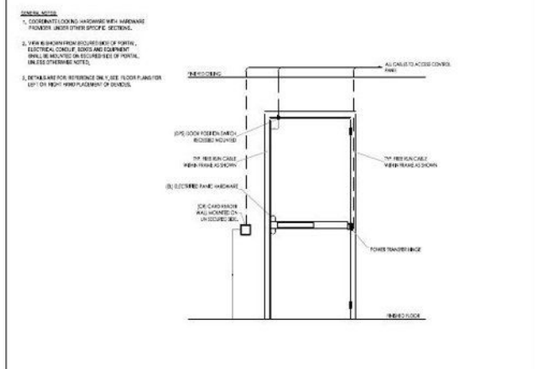
CEILING MOUNT CAMERA CONCRETE | F



SINGLE DOOR W/ CONTACT ONLY | B



DOUBLE DOOR W/ CR, ELECT. PANIC HARDWARE & REX | E



SINGLE DOOR W/ CR, ELECTRIFIED PANIC HARDWARE & REX | A

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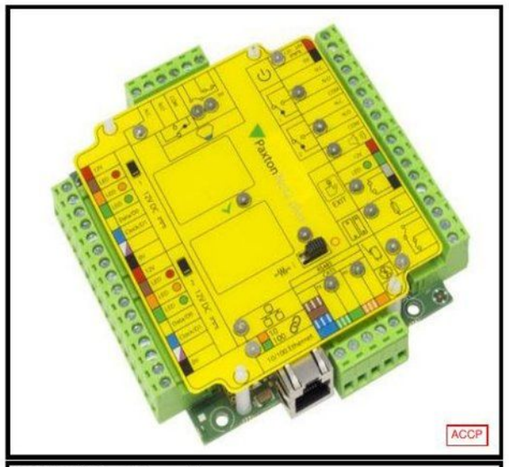
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DETAILS 4



PAXTON P75 Proximity Reader



PAXTON Net2 Controller



Altronix TROVE with PAXTON back plate



PAXTON Flush mount Video Entry



PAXTON Proximity Fob



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DETAILS 5