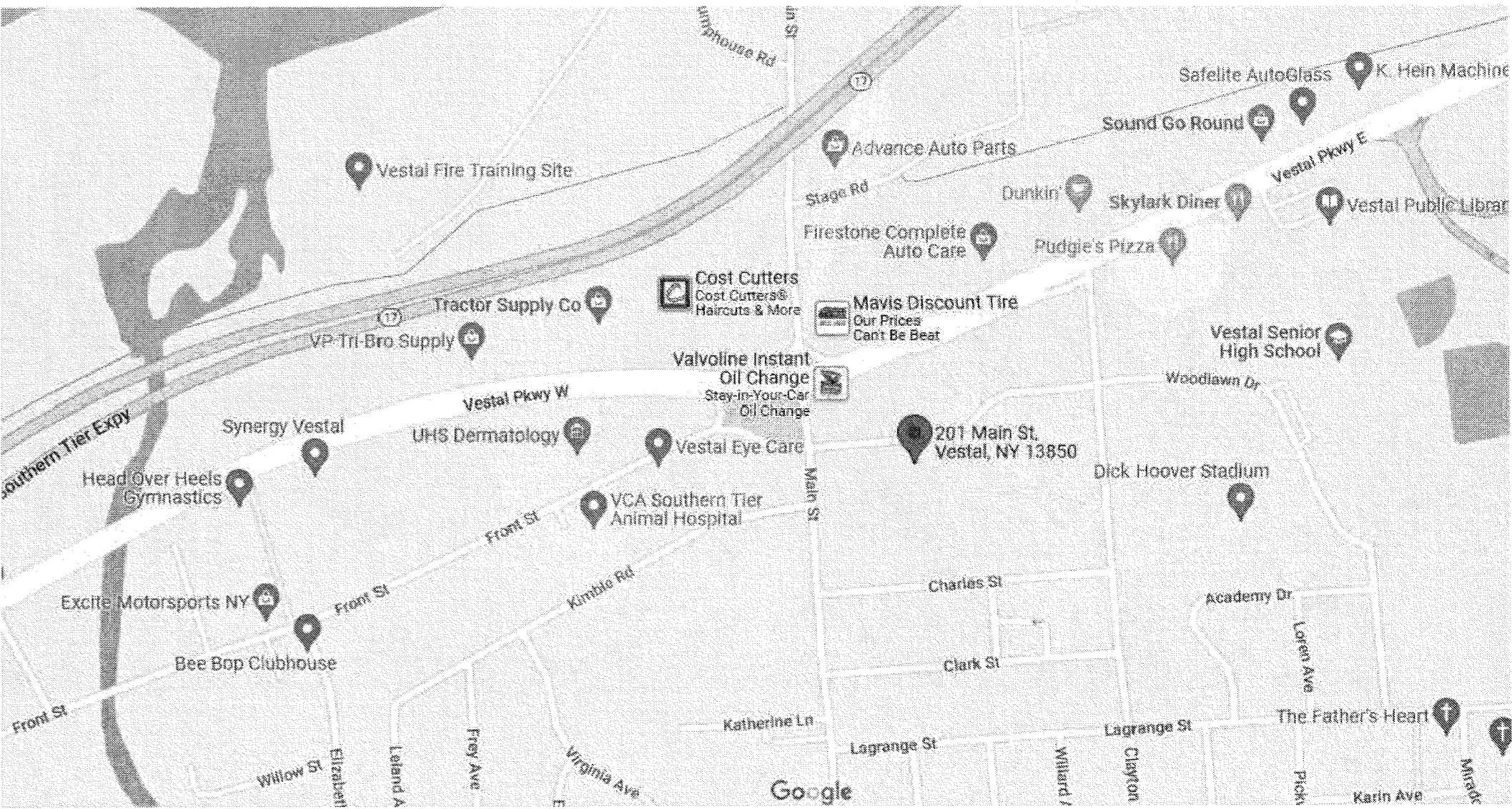




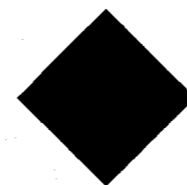
# Robotics Upgrades And I.T Closet

201 Main Street, Vestal, NY 13850



SITE LOCATION MAP

SED# 03-16-01-06-0-001-020



## LIST OF DRAWINGS

### GENERAL

- CS-1 COVER SHEET
- CS-2 GENERAL NOTES AND ABBREVIATIONS

### ARCHITECTURAL

- HS EX-1 EXITING PLAN
- HS A-1.1 PARTIAL DEMOLITION PLAN AND NEW FLOOR PLAN
- HS A-2.1 ELEVATIONS, SECTION, DETAILS AND DOOR SCHEDULE

### MECHANICAL

- HS M-1.0 PARTIAL 1ST. FLR I.T. ROOM

### ELECTRICAL

- HS E-1.0 PARTIAL 1ST. FLR. I.T. ROOMS ELECTRICAL RENOVATION PLAN

DEMOLITION NOTES

1. ALL DEMOLITION AND REMOVAL WORK SHALL BE COMPLETED AS INDICATED AND NOTED ON THE DRAWINGS AND AS SPECIFIED.
2. BEFORE STARTING WORK, MAKE A THOROUGH EXAMINATION OF THOSE PORTIONS OF THE STRUCTURE IN WHICH THE WORK IS TO BE PERFORMED. CHECK ALL THE WORK ADJOINING OR AT UNDERLYING LOCATIONS. REPORT TO THE ARCHITECT ANY AND ALL CONDITIONS WHICH MAY INTERFERE WITH OR OTHERWISE AFFECT OR PREVENT THE PROPER EXECUTION AND COMPLETION OF THE WORK. DO NOT START THE WORK UNTIL SUCH CONDITIONS HAVE BEEN EXAMINED AND A COURSE OF ACTIONS MUTUALLY AGREED UPON.
3. PRIOR TO THE START OF DEMOLITION, THE CONTRACTOR SHALL CALL TO THE ATTENTION OF THE OWNER ANY DAMAGE, CRACKS OR OTHER IMPERFECTIONS IN THE WORK ADJACENT TO DEMOLITION AREAS.
4. BEFORE STARTING DEMOLITION OPERATIONS, PROVIDE THE NECESSARY PROTECTIVE DEVICES WHERE REQUIRED, AND IN STRICT ACCORDANCE WITH OSHA RULES AND REGULATIONS.
5. TAKE NECESSARY PRECAUTIONS TO PREVENT DUST AND DIRT FROM RISING
6. KEEP ALL ADJOINING PUBLIC AREAS CLEAN AND FREE OF DEBRIS OR CONSTRUCTION MATERIALS DURING WORKING HOURS, AND MAKE AN EFFORT TO PROVIDE SAFE CONDITIONS FOR THE GENERAL PUBLIC AND WORKMEN.
7. DEMOLISHED MATERIALS, UNLESS OTHERWISE NOTED, SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE DISPOSED OF OFF THE SITE, ON A REGULAR BASIS, IN A LEGAL MANNER.
8. REPAIR AND/OR REPLACE EXISTING ITEMS NOT SCHEDULED OR NOTED TO BE DEMOLISHED, AND NOT SPECIFIED TO BE REMOVED, BUT WHICH BECAME DAMAGED DURING THE PROGRESS OF THE WORK. MAKE ANY AND ALL SUCH REPAIRS, REPLACEMENTS AND MODIFICATIONS TO RESTORE THE DAMAGED ITEMS TO THEIR ORIGINAL CONDITION AT THE TIME OF DAMAGE, TO THE SATISFACTION OF AND AT NO ADDITIONAL COST TO THE OWNER.
9. PATCH, FILL AND REPAIR ALL SURFACES DISTURBED, CUT, DAMAGED, IN NEED OF REPAIR OR MADE IMPERFECT BY ALTERATIONS OR REMOVAL WORK AND AS REQUIRED TO PREPARE SURFACES FOR NEW MATERIALS AND ARRANGEMENTS.
10. PRIOR TO THE DEMOLITION OF THOSE ITEMS WHICH HAVE UTILITY CONNECTIONS (WATER, GAS, ELECTRICITY, STEAM, ETC.) THE CONTRACTOR SHALL ARRANGE WITH THE OWNER TO LOCATE SHUTOFF VALVES, PANEL BOXES AND OTHER CONTROL ELEMENTS, SO THAT WATER DAMAGE AND OTHER POTENTIALLY INCONVENIENT OR DANGEROUS SITUATIONS ARE AVOIDED.
11. ALL DOORS THAT ARE REMOVED ARE TO BE TURNED OVER TO BUILDING OWNER, UNLESS OTHERWISE INSTRUCTED
12. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING TEMPORARY SUPPORT AND SHORING OF EXISTING CEILINGS PARTITIONS, ETC. DURING DEMOLITION AND RENOVATION.
13. EXISTING FINISHES THAT ARE DISTURBED BY DEMOLITION SHALL BE PATCHED TO MATCH EXISTING.
14. ALL WORK TO BE SCHEDULED WITH OWNER

ACOUSTICAL PERFORMANCE NOTES:

ALL NEW STC RATED PARTITIONS SHALL HAVE SOUND ATTENUATION INSULATION BLANKETS FROM CONCRETE SLAB TO UNDERSIDE OF DECK ABOVE. THICKNESS OF SAID INSULATION TO MATCH THICKNESS OF STUD FRAME TO FILL VOIDS COMPLETELY. SEE PARTITION LEGEND FOR ADDITIONAL INFORMATION

ALL PERIMETER EDGES OF STC RATED PARTITIONS SHALL BE CAULKED WITH AN ACOUSTICAL SEALER (CONTINUOUS)

AT ALL PENETRATIONS (DUCTS, PIPES, CONDUITS, ETC.) THRU ANY STC RATED PARTITIONS, PROVIDE 1" SPACE AROUND PERIMETER. VOID SHALL BE PACKED WITH SOUND ATTENUATION BLANKETS AND CAULKED WITH ACOUSTICAL SEALANT. SEE MECHANICAL DRAWINGS FOR DETAIL.

WRAP BACKSIDE OF BOXES WITH MOLDABLE ACOUSTIC DEADENING SOUND MAT AND PACK AROUND ALL ELECTRICAL OUTLETS AND SWITCH BOXES WITH SOUND ATTENUATION INSULATION (THICKNESS TO MATCH VOID) AND CAULK WITH ACOUSTICAL SEALANT. ELECTRICAL CONTRACTOR SHALL NOT INSTALL ANY OUTLETS BACK TO BACK. INSTALL ONLY ONE BOX PER STUD CAVITY.

ALL WALL PANELS TO BE RECESSED IN A SOUND ATTENUATION LINED BOX. CONDUITS INTO BOX TO BE ACOUSTICALLY PACKED AND CAULKED WITH ACOUSTICAL SEALANT

INSULATE AROUND ALL CONDUITS, PIPES, ETC. - RUN IN STUD PARTITIONS WITH 3" SOUND ATTENUATION INSULATION

PULL TEST REQUIREMENTS FOR FASTENERS

1. PULL OUT TESTS SHALL BE PERFORMED BY THE FASTENER MFRGR. CONFORM TO FACTORY MUTUALS LOSS PREVENTION DATA SHEET 1-49. THE RESULTS OF THE PULL TESTS, AND ASSESSMENT BY THE FASTENER MFRGR. REGARDING THE SUITABILITY OF THE FASTENER FOR THE INTENDED PROJECT IS REQUIRED. FASTENER INSTALLATION INSTRUCTIONS SHALL BE PROVIDED TO THE APPLICATOR PRIOR TO THE JOB START.
2. FASTENERS AND PLATES SHALL MEET FACTORY MUTUAL STANDARD 4470 FOR CORROSION RESISTANCE AND WIND UPLIFT RESISTANCE.
3. FASTENER MFRGR. SHALL WARRANTY THE PERFORMANCE OF THE FASTENER AND PLATES FOR THE DURATION OF THE ROOFING WARRANTY.
4. FASTENER AND PLATES SHALL BE APPROVED IN WRITING BY THE FASTENER MANUFACTURER FOR THE INTENDED USAGE
5. THE CONTRACTOR IS TO VERIFY THE PULL OUT PERFORMANCE OF THE WOOD NAILERS TO CONFIRM THAT THEY MEET FACTORY MUTUALS LOSS PREVENTION DATA 1-49. ANY NAILERS THAT DO NOT MEET THIS REQUIREMENT SHALL BE REPLACED.

GENERAL NOTES

1. THE CONTRACTOR SHALL INVESTIGATE JOB SITE TO COMPARE CONTRACT DOCUMENTS AND EXISTING CONDITIONS INCLUDE COST FOR ALL WORK DESCRIBED IN CONTRACT DOCUMENTS AND REQUIRED OR IMPLIED BY EXISTING CONDITIONS. NOTIFY ARCHITECT OF ANY CONFLICTS BETWEEN EXISTING CONDITIONS AND NEW WORK, OMISSIONS OR CONFLICTS IN THE DRAWINGS AND ANY RESTRICTIONS RELATED TO THE EXECUTION OF THE WORK.
2. THE CONTRACTOR SHALL ISSUE COMPLETE SETS OF THE CONTRACT DOCUMENTS TO EACH OF THE SUBCONTRACTORS FOR COORDINATION OF THEIR WORK AND DESCRIPTION OF SCOPE. COORDINATE ALL DEMOLITION AND CONSTRUCTION WITH OTHER TRADES. IT SHALL BE THE RESPONSIBILITY OF THE ELECTRICAL, MECHANICAL, PLUMBING AND FIRE PROTECTION CONTRACTORS UNDER DIRECTION OF THE CONSTRUCTION MANAGER TO COORDINATE THEIR WORK. THE HVAC CONTRACTOR SHALL TAKE THE LEAD IN THE COORDINATION EFFORT AND PRODUCE THE COORDINATION DRAWINGS. COORDINATION DRAWINGS SHALL BE SUBMITTED FOR APPROVAL BY THE ARCHITECT PRIOR TO STARTING ANY WORK. THE PURPOSE OF THESE DRAWINGS IS TO COORDINATE THE LOCATIONS OF ALL PIPING, DUCTWORK, AND ELECTRICAL EQUIPMENT. SPECIAL ATTENTION IS CALLED TO ARTICLE 110-26 (F) OF THE NATIONAL ELECTRIC CODE. THE SPACE EQUAL TO THE WIDTH AND DEPTH OF THE EQUIPMENT AND EXTENDING FROM THE FLOOR TO A HEIGHT OF 6 FT. ABOVE THE EQUIPMENT OR TO STRUCTURAL CEILING, WHICHEVER IS LOWER, SHALL BE DEDICATED TO THE ELECTRICAL INSTALLATION, NO PIPING, DUCTS, LEAK PROTECTION APPARATUS, OR OTHER EQUIPMENT FOREIGN TO THE ELECTRICAL INSTALLATION SHALL BE LOCATED IN THIS ZONE. THIS COORDINATION IS REQUIRED FOR ALL PHASES OF THIS PROJECT.
3. THE CONTRACTOR SHALL APPLY FOR, OBTAIN AND PAY FOR ALL PERMITS, FEES, INSPECTIONS AND APPROVALS BY LOCAL AUTHORITIES HAVING JURISDICTION OVER THE PROJECT. PROVIDE COPIES OF ALL TRANSACTIONS TO OWNER. NOTIFY ARCHITECT OF ANY VARIANCE WITH CODES IN FORCE. CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLIANCE WITH ORDERS OF ANY PUBLIC AUTHORITY BEARING ON THE PERFORMANCE OF THE WORK.
4. THE CONTRACTOR SHALL PROVIDE, AND PAY FOR ALL MATERIALS, LABOR, EQUIPMENT, TOOLS, CONSTRUCTION EQUIPMENT, WAREHOUSING, TRANSPORTATION AND DELIVERY COSTS, HOISTING, REMOVAL OF TRASH AND DEBRIS, AND OTHER FACILITIES AND SERVICES NECESSARY FOR THE EXECUTION AND COMPLETION OF THE WORK.
5. ALL WORK SHALL BE PERFORMED BY THE GENERAL CONTRACTOR UNLESS OTHERWISE NOTED. ALL REFERENCES TO THE "CONTRACTOR" INCLUDE THE GENERAL CONTRACTOR AND THE SUBCONTRACTORS.
6. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR, AND HAVE CONTROL OVER, ALL CONSTRUCTION MEANS, TECHNIQUES, SEQUENCES AND PROCEDURES AND FOR COORDINATING ALL PORTIONS OF THE WORK REQUIRED BY THE CONTRACT DOCUMENTS.
7. THE ARCHITECT/ENGINEER IS NOT RESPONSIBLE FOR ERRORS, OMISSIONS OR DELAYS BY THE CONTRACTOR.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ACTS AND OMISSIONS OF THE CONTRACTOR'S EMPLOYEES, SUBCONTRACTORS AND THEIR AGENTS AND EMPLOYEES, AND ANY OTHER PERSONS PERFORMING ANY OF THE WORK UNDER A CONTRACT WITH A CONTRACTOR.
9. OTHER CONTRACTORS AND THEIR SUBCONTRACTORS MAY BE WORKING ON THE PREMISES SIMULTANEOUS WITH THE DURATION OF THIS CONTRACT. NO ACTION SHALL BE TAKEN ON THE PART OF THIS CONTRACTOR OR ANY SUBCONTRACTOR TO IMPEDE THE ACCESS OR OPERATION OF ANY OTHER CONTRACTOR ON THE PREMISES, UNION OR NON-UNION.
10. WORK SHALL BE DONE DURING NORMAL WORKING HOURS. CONTRACTOR SHALL SCHEDULE AND PERFORM ALL WORK SO AS NOT TO UNREASONABLY DISTURB ANY OCCUPANT IN THE BUILDING AND SHALL BE RESPONSIBLE FOR ANY OVERTIME COSTS INCURRED THEREBY. ALL WORK SHALL BE SCHEDULED WITH THE OWNER.
11. THE CONTRACTOR SHALL COMPLY AND COORDINATE ALL WORK WITH BUILDING OWNER REGARDING HEAT, WATER, ELECTRICITY, DELIVERIES, ACCESS, ELEVATOR AVAILABILITY, NOISE CONTROL, TRASH AND DEBRIS REMOVAL, HOISTING, AND ANY OTHER UTILITIES OR OWNERS RULES AND REGULATIONS CONCERNING THE PROJECT SITE.
12. THE CONTRACTOR SHALL PROCURE MATERIALS SO AS NOT TO DELAY SUBSTANTIAL COMPLETION. NOTIFY ARCHITECT WITH 5 DAYS OF EXECUTION OF CONTRACT OF ANY MATERIAL DELIVERY WHICH COULD DELAY COMPLETION OF CONTRACT.
13. THE CONTRACTOR SHALL COORDINATE SCHEDULING, PROVISIONS FOR INSTALLATION, LOCATIONS AND THE ACTUAL INSTALLATION OF ITEMS FURNISHED BY OWNER OR BY OTHERS.
14. WORK WITH ALL TRADES ON THE PROJECT NOT UNDER CONTRACT TO THE CONTRACTOR (I.E., TELEPHONE, COMPUTER INSTALLERS, ETC.) ANY CHANGES OR DELAYS ARISING FROM CONFLICTS BETWEEN SUCH TRADES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AT NO ADDITIONAL COST

TO THE OWNER

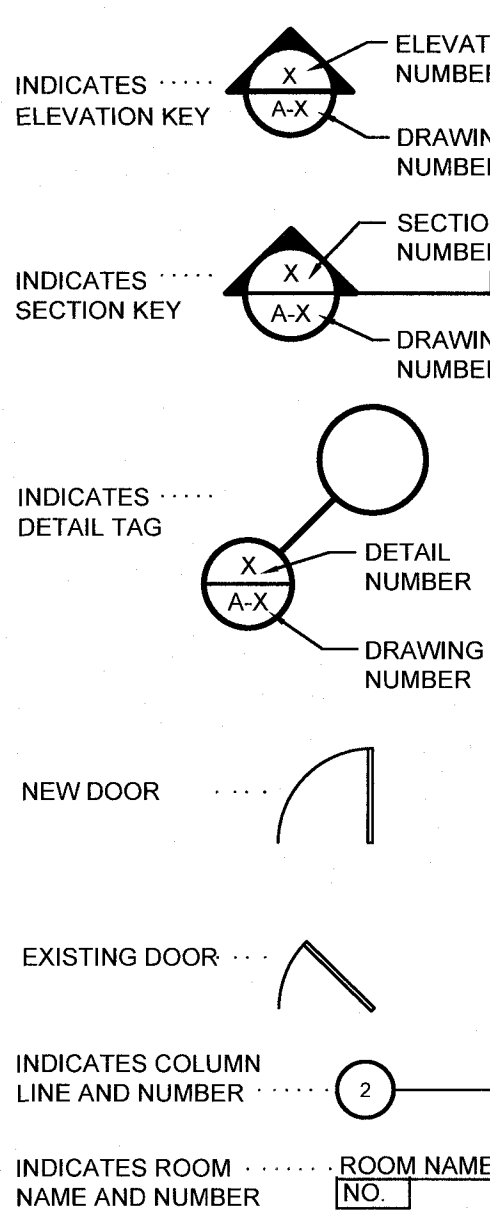
15. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS IN THE FIELD. CONTRACT DRAWINGS ARE NOT INTENDED TO REPRESENT EXACT DIMENSIONS AND ARE THE RESPONSIBILITY OF THE CONTRACTOR FOR ALL PHASES INCLUDING BIDDING, FABRICATION, COORDINATION AND CONSTRUCTION.
16. DO NOT SCALE DRAWINGS. DIMENSIONS GOVERN. LARGE SCALE DETAILS GOVERN OVER SMALL SCALE DETAILS.
17. THE CONTRACTOR SHALL SUBMIT FOR ARCHITECT'S REVIEW ALL BUILDING STANDARD SAMPLES AND PRODUCT LITERATURE. CONTRACTOR TO ALSO SUBMIT SAMPLES AND PRODUCT LITERATURE AND OTHER PERTINENT DATA FOR ARCHITECT'S CONSIDERATION OF ANY PROPOSED SUBSTITUTIONS.
18. THE CONTRACTOR SHALL SUBMIT FOR ARCHITECT'S REVIEW PRIOR TO FABRICATION OR PURCHASE, SHOP DRAWINGS OR SAMPLES FOR ALL MILLWORK, CUSTOM METALWORK, CUSTOM CASEWORK, AND ALL OTHER ITEMS AS REQUESTED BY THE ARCHITECT FOR ALL ABOVE BUILDING STANDARD ITEMS.
19. CHANGES IN DRAWINGS OR ACTUAL WORK SHALL BE ISSUED BY THE ARCHITECT.
20. PERFORM ALL INTERIOR AND EXTERIOR WORK INSTALLING MATERIALS IN STRICT ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS AND INSTRUCTIONS AND IN A MANNER CONSISTENT WITH INDUSTRY STANDARD OF WORKMANSHIP. FOLLOW ALL SAFETY PROCEDURES TO PROTECT WORKERS, GENERAL PUBLIC, AND BUILDING OCCUPANTS.
- NOTIFY AND SCHEDULE WITH BUILDING OWNER AND EVERYONE INVOLVED WITH PROJECT (IN ADVANCE), WHEN CERTAIN WORK OR CONSTRUCTION IS BEING PERFORMED, REQUIRING THE BUILDING TO BE EVACUATED. SCHEDULE ALL WORK SO AS NOT TO INTERFERE WITH BUILDING OCCUPANTS. PERFORM WORK ON OFF HOURS OR WORK SHIFTS WHEN BUILDING IS VACANT, AND ALLOW ENOUGH TIME FOR ANY ODORS TO DISSIPATE. PROVIDE PROPER EXHAUST VENTILATION AS PER MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS. CONTRACTOR TO SUBMIT DUST AND H.V.A.C. (VENTILATION) CONTROL PLAN AND PROCEDURES TO THE OWNER FOR REVIEW AND APPROVAL PRIOR TO STARTING CONSTRUCTION.
- REVIEW ALL PRODUCT M.S.D.S (MATERIAL SAFETY DATA SHEET) INFORMATION ON ALL MATERIALS AND FOLLOW ALL SAFETY AND APPLICATION PROCEDURES.
- THE FOLLOWING LIST IS A SAMPLE OF ITEMS THAT REQUIRE SPECIAL PRECAUTIONS: PAINTS, STAINS, SOLVENTS, VAPORS, EPOXY, CORROSIVES, CONTAMINANTS, VAPOR EMISSION COMPLIANCE TREATMENTS, ADHESIVES, GLUES, CLEANING SOLUTIONS, PROPANE, FUELS, WELDING, CHEMICALS, ETC.
21. THE CONTRACTOR SHALL EXAMINE ALL SURFACES TO DETERMINE THAT THEY ARE SOUND, DRY, CLEAN AND READY TO RECEIVE FINISHES PRIOR TO INSTALLATION. START OF INSTALLATION SHALL IMPLY ACCEPTANCE OF SUBSTRATE AND SHALL NOT BE GROUNDS FOR CLAIMS AGAINST IMPROPER PERFORMANCE OF INSTALLED MATERIALS. ADVISE ARCHITECT OF ANY EXISTING CONSTRUCTION NOT LEVEL, SMOOTH AND PLUMB WITH INDUSTRY STANDARDS PRIOR TO START OF CONSTRUCTION.
22. THE CONTRACTOR SHALL INSTALL AND MAINTAIN ALL NECESSARY COVERINGS, PROTECTIVE ENCLOSURES, TEMPORARY DOORS AND PARTITIONS AND DUST BARRIERS TO PROTECT ALL OCCUPANTS AND EXISTING WORK AND FINISHES TO REMAIN. LOCATION OF SUCH PROTECTION SHALL BE VERIFIED WITH OWNER PRIOR TO COMMENCING WORK AND IN COORDINATION WITH PROGRESSION OF WORK SCHEDULE. PERFORMANCE IN A MANNER THAT WILL AVOID HAZARDS TO PERSONS IN ADJACENT AREAS AND THAT WON'T INTERFERE WITH WORK OR PASSAGE TO ANY OF THESE AREAS. REPAIR AND REPLACE ANY DAMAGES CAUSED BY IMPROPER PROTECTIONS AT NO ADDITIONAL CHARGE TO OWNER.
23. WORK DAMAGED DURING CONSTRUCTION OR NOT CONFORMING TO SPECIFIED STANDARDS, TOLERANCES OR MANUFACTURER'S INSTRUCTIONS FOR INSTALLATION SHALL BE REPLACED, BY THE CONTRACTOR, AT NO ADDITIONAL CHARGE TO THE OWNER.
24. THE CONTRACTOR SHALL MAINTAIN ALL EXITS, EXIT LIGHTING, FIRE PROTECTION DEVICES AND LIFE SAFETY SYSTEMS IN WORKING ORDER.
25. EXIT DOORS, EGRESS DOORS, AND OTHER DOORS REQUIRED FOR MEANS OF EGRESS SHALL BE OPERABLE FROM THE INSIDE WITHOUT USE OF A KEY OR SPECIAL KNOWLEDGE OR EFFORT.
26. VERIFY ALL KEYING REQUIREMENTS OF ALL LOCKS WITH OWNER.
27. 24 HOURS PRIOR TO OCCUPANCY OF ANY PHASE, THE CONTRACTOR SHALL THOROUGHLY CLEAN ALL SURFACES OF DUST, DEBRIS, LOOSE CONSTRUCTION MATERIAL AND EQUIPMENT, VACUUM OR MOP ALL FLOORS AND CLEAN WINDOWS.
28. SUBSTANTIAL COMPLETION SHALL BE THE DATE ON WHICH THE PREMISES ARE AVAILABLE FOR OCCUPANCY FROM THE CONTRACTOR AND SHALL BE AS DEFINED IN AIA DOCUMENT A201. ADDITIONAL TOUCH-UP OR MINOR INSTALLATION WORK MAY BE INCOMPLETE.
29. THE CONTRACTOR SHALL PROVIDE A WARRANTY TO THE OWNER THAT ALL MATERIALS, AND EQUIP. FURNISHED AND INSTALLED UNDER THIS CONTRACT SHALL BE NEW, UNLESS OTHERWISE SPECIFIED, AND THAT ALL GOOD QUALITY, FREE FROM FAULTS AND DEFECTS AND SHALL CONFORM TO THE CONTRACT DOCUMENTS.
30. FOR A PERIOD OF ONE YEAR BEGINNING AT THE DATE OF SUBSTANTIAL COMPLETION, CONTRACTOR SHALL PROMPTLY CORRECT WORK FOUND NOT TO BE IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. CONTRACTOR SHALL BEAR ALL COST OF CORRECTIONS.
31. CONTRACTOR SHALL FULLY ACQUAINT HIMSELF WITH THE CONDITIONS OF THE CONTRACT, LOCAL CONDITIONS RELATING TO LOCATION, ACCESSIBILITY AND GENERAL CHARACTER OF THE CONSTRUCTION SITE AND LOCAL LABOR CONDITIONS SO THAT HE UNDERSTANDS THE NATURE, EXTENT, DIFFICULTIES, AND NEED TO THE EXECUTION OF WORK. NOTIFY ARCHITECT OF ALL DISCREPANCIES PRIOR TO COMMENCING WORK.
32. ALL WOOD TO BE FIRE RETARDANT (TYP.)
33. CONTRACTOR SHALL FRAME AND FINISH WHERE NECESSARY ALL MECHANICAL AND ELECTRICAL WALL PENETRATIONS.
34. IN ALL INSTANCES WHERE EXISTING WALLS ARE BEING REMOVED AND REWORKED, CONTRACTOR IS TO REPAINT ENTIRE WALL TO NEAREST CORNER OR BREAK LINE WHERE WALL CHANGES DIRECTION.
35. CONTRACTOR TO COORDINATE WITH E.C. THE MOUNTING HEIGHT OF ALL SWITCHES AND OUTLETS AT MILLWORK, COUNTERS, SHELVING, SINKS, ETC...
36. CONTRACTOR IS TO PROVIDE ALL MISC. FRAMING, BLOCKING, ETC. TO HANG SCREENS, BULLETIN BOARDS, RAILS, TOILET ACCESSORIES, WOODWORK, ETC.
37. CONTRACTOR IS TO COORDINATE WITH ALL TRADES FOR CEILING PENETRATIONS AND PROVIDE BRACING FOR EXTRA SUPPORT AS NECESSARY FOR PROPER INSTALLATION.
38. CONTRACTOR IS TO PROVIDE TEMPORARY WEATERTIGHT WEATHERPROOF CLOSURES AT ALL ROOF OPENINGS UNTIL AFTER INSTALLATION OF MECHANICAL UNITS, DRAINS, VENTS, ETC. ROOF IS THEN TO BE RESEALED WEATHER-TIGHT.
39. SEE (GN-1) FOR FIRE EXTINGUISHER INSTALLATION DETAIL AND LOCATION OF FIRE EXTINGUISHERS.
40. CONTRACTOR TO PROVIDE CONTROL JOINTS IN DRYWALL ON STRIKE SIDE OF DOORS.
41. CONTROL JOINTS IN GYPSUM BOARD PARTITIONS AND GYPSUM BOARD CEILINGS SHALL BE SPACED AS FOLLOWS:
- PARTITIONS - 30 FT. MAXIMUM IN EITHER DIRECTION.
- INTERIOR CEILINGS (WITH PERIMETER RELIEF) - 50 FT MAXIMUM IN EITHER DIRECTION
- INTERIOR CEILINGS (WITHOUT PERIMETER RELIEF) - 30 FT MAXIMUM IN EITHER DIRECTION
- EXTERIOR CEILINGS - 30 FT. MAXIMUM IN EITHER DIRECTION.
42. ALL PENETRATIONS THROUGH RATED WALLS ARE TO BE SEALED TO MAINTAIN INTEGRITY OF WALL CONSTRUCTION AND RATING.
43. ALL NEW SUPPLY AIR AND RETURN GRILLES SHALL BE LOCATED IN THE CENTER LINE OF ACOUSTICAL TILES UNLESS OTHERWISE INDICATED ON PLANS.
44. PIPE SLEEVES ARE TO BE CONDUIT (LENGTH TO MATCH THE THICKNESS OF THE WALL), WITH INSULATED BUSHINGS AND ARE TO BE SEALED BY CONTRACTOR AFTER CONDUIT INSTALLATION TO MAINTAIN RATING. SLEEVES ARE TO BE PLACED IN FIRST BLOCK COURSE.
45. CONTRACTOR SHALL COMPLY WITH MANUFACTURER'S INSTRUCTIONS WHEN RELOCATING AND/OR INSTALLING ANY EQUIPMENT AND FURNISHINGS.
46. GENERAL CONTRACTOR SHALL VERIFY EQUIPMENT LOCATIONS WITH OWNER PRIOR TO INSTALLATION.
47. CONTRACTOR SHALL VERIFY EXISTING EQUIPMENT CONDITIONS. EQUIPMENT CURRENTLY ANCHORED TO FLOOR SHALL RECEIVE SIMILAR TREATMENT WHEN RELOCATED.
48. ALL PENETRATIONS THROUGH DRYWALL AND MASONRY SURFACES INCLUDING BUT NOT LIMITED TO PIPE, CONDUIT, DUCTWORK, GRILLES, REGISTERS, DEVICE BOXES, HANGER RODS, ETC. SHALL HAVE THEIR COMMON JOINTS WITH DRYWALL AND/OR MASONRY CAULKED TO PROVIDE AN AIR-TIGHT SEAL.
49. CONTRACTOR TO REMOVE ANY STRAY PAINT, DIRT, OR STAINS INCURRED DURING THE CONSTRUCTION PROCESS. CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING ALL TEMPORARY EQUIPMENT COVERINGS USED DURING CONSTRUCTION AND HE SHALL ALSO BE RESPONSIBLE FOR REMOVING HIS TRASH OFF OF THE JOB SITE DAILY.
50. THE CONTRACTOR SHALL PERFORM ALL CUTTING AND WELDING IN COMPLIANCE WITH THE PUBLISHED STANDARDS OF NFPA. THE CONTRACTOR SHALL PROVIDE FIRE WATCHES FOR ALL CUTTING, GRINDING, AND WELDING OPERATIONS. THE TRAINING OF THESE FIRE WATCHES AND THE USE OF THE CONTRACTOR'S SUPPLIED FIRE EXTINGUISHERS IS THE RESPONSIBILITY OF THE CONTRACTOR.
51. REFER TO MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS FOR DETAILS OF UTILITY WALL PENETRATIONS.
52. ALL DRYWALL USED ONLY UNDER CERAMIC TILE IS TO BE MOISTURE RESISTANT.
53. ALL FIXTURES LABELED "H" INDICATE HANDICAP FIXTURES.
54. PROVIDE ADA COMPLIANT PIPE INSULATION AT ALL EXPOSED PIPING UNDER HANDICAPPED SINKS.
55. WHERE TWO DISSIMILAR METALS MEET, PAINT FACE OF ONE WITH BITUMINOUS PAINT.
56. PROVIDE OPENINGS AS REQUIRED FOR MECH. AND ELECT. EQUIPMENT. DRYWALL CONTRACTOR TO PROVIDE STUD BRACING AS REQUIRED TO STABILIZE WALLS ABOVE CEILINGS AT HIGH AND LOW PARTITIONS.
57. GYPSUM WALL BOARD CEILING SUBCONTRACTOR SHALL BE RESPONSIBLE FOR PROVISION AND INSTALLATION OF ALL SUPPLEMENTAL MISCELLANEOUS IRON AND/OR STRUCTURAL STEEL (16 GA.) STUDDING REQUIRED TO ADEQUATELY SUPPORT ALL GYPSUM WALLBOARD DROPS SOFFITS, CORNICES, ETC. FROM THE STRUCTURAL STEEL ABOVE.
58. SAID CONTRACTOR AS WELL AS THE GENERAL CONTRACTOR SHALL CLOSELY COORDINATE THE INSTALLATION OF THE REQUIRED SUPPLEMENTAL MISC. IRON AND/OR STRUCTURAL STEEL STUDDING SO AS CONDUIT, OR ACOUSTICAL SUSPENDED CEILING SYSTEM ETC., CAN BE INSTALLED PROPERLY.

59. ALL EXTERIOR ENTRANCE DOORS AND FRAMES TO RECEIVE PERIMETER WEATHER STRIPPING AS PER SPECIFICATIONS
60. CONTRACTOR IS TO PROVIDE STUD BRACING AS REQUIRED FOR METAL STUD PARTITIONS ABOVE 10'-0".
61. ANY AREA OUTSIDE THE LIMITS OF CONSTRUCTION DISTURBED BY OPERATIONS OF THE CONTRACTOR SHALL BE RESTORED AT THE CONTRACTORS EXPENSE.
62. ALL CONCRETE WALKS DAMAGED DURING CONSTRUCTION ARE TO BE REPAIRED BY CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
63. CONTRACTOR IS RESPONSIBLE FOR KEEPING ALL WEEP JOINTS AROUND WINDOWS AND EXTRUDED ALUM. STORE FRONTS FREE OF CAULK.
64. EPOXY PAINT SYSTEMS TO BE USED IN WET AREAS UNLESS OTHERWISE NOTED
65. 2 X 8 CONTINUOUS WOOD BLOCKING SHALL BE PROVIDED AT DRYWALL PARTITIONS FOR ALL CABINET WORK AT TOP AND BOTTOM OF WALL MOUNTED UNITS AND UNDER COUNTER TOP LEVEL OF BASE CABINET. ALL OPENFACE SHELVING UNITS SHALL HAVE CONCEALED ANCHOR BRACKETS.
66. WHEREVER A FOAM BACKER ROD AND SEALANT ARE USED, THE SEALANT AND BACKER ROD MUST BE COMPATIBLE WITH EACH OTHER, USE SIZE BACKER ROD THAT COMPRESSES 25% WHEN INSERTED INTO THE JOINT. (TYPICAL ALL JOINTS)
67. ALL EXTERIOR WINDOWS, DOORS, LOUVERS, VENTS, EXHAUST FANS, PIPE PENETRATIONS, AND ALL OTHER PENETRATIONS THRU EXTERIOR WALLS SHALL BE SEALED ALL AROUND WITH SEALANT. (BOTH ON EXTERIOR AND INTERIOR SIDES)
68. FIRE EXTINGUISHER CABINETS TO BE MOUNTED 4'-6" F.F. TO TOP MAXIMUM AS PER ADA REQUIREMENTS. (FIRE EXTINGUISHERS WITH GROSS WEIGHT OVER 40LBS. MUST BE MOUNTED 3'-6" MAX.). CLEARANCE BETWEEN THE BOTTOM OF THE FLOOR AND THE EXTINGUISHER MAY NOT BE LESS THAN 4").
69. ALL ROOF WORK SHALL BE DONE IN ACCORDANCE WITH EXIST. ROOF MANUFACTURES RECOMMENDATIONS SO AS NOT TO VOID ANY EXISTING ROOF WARRANTIES. CONSULT WITH EXISTING ROOF MANUF. PRIOR TO DOING ANY WORK.
- ROSLUND - CARLISLE GOLD SEAL SYSTEM
- ADMIN BLDG. - BUILT-UP BALLAST
70. REPAIR AND/OR REPLACE EXISTING ITEMS NOT SCHEDULED OR NOTED TO BE DEMOLISHED, AND NOT SPECIFIED TO BE REMOVED, BUT WHICH BECAME DAMAGED DURING THE PROGRESS OF THE WORK. MAKE ANY AND ALL SUCH REPAIRS, REPLACEMENTS AND MODIFICATIONS TO RESTORE THE DAMAGED ITEMS TO THEIR ORIGINAL CONDITION AT THE TIME OF DAMAGE, TO THE SATISFACTION OF AND AT NO ADDITIONAL COST TO THE OWNER.
71. "A" INDICATES POSSIBLE ASBESTOS CONTAINING MATERIALS. THE AREA OF WORK CONTAINS ASBESTOS CONTAINING MATERIALS. THE WORK TO BE PERFORMED PURSUANT TO THIS CONTRACT DOES NOT REQUIRE THE CONTRACTOR TO COME IN IN CONTACT WITH OR DISTURB IN ANY MANNER THE ASBESTOS-CONTAINING MATERIALS. THE CONTRACTOR IS, THEREFORE, EXPRESSLY PROHIBITED FROM DISTURBING IN ANY MANNER OR CAUSING THE IDENTIFIED ASBESTOS-CONTAINING MATERIALS TO BE RELEASED INTO THE ENVIRONMENT. IF DURING THE PERFORMANCE OF WORK SPECIFIED BY THIS CONTRACT THE CONTRACTOR DETERMINES THAT PERFORMANCE OF THE WORK IS NOT PHYSICALLY POSSIBLE WITHOUT DISTURBING THE ASBESTOS-CONTAINING MATERIAL, THE CONTRACTOR SHALL IMMEDIATELY CEASE ALL WORK WHICH MIGHT IMPACT THESE MATERIALS, REPORT SUCH CONFLICTS TO THE OWNER AND ARCHITECT, AND AWAIT INSTRUCTION.
72. THE CONTRACTOR SHALL, UNDER NO CIRCUMSTANCES, TAKE ANY ACTION WHICH MAY DISTURB THE IDENTIFIED ASBESTOS CONTAINING MATERIALS. SIMILARLY, IF THE CONTRACTOR ENCOUNTERS OR HAS REASON TO BELIEVE THAT ASBESTOS-CONTAINING MATERIAL IS PRESENT AT THE WORK SITE, THE CONTRACTOR SHALL IMMEDIATELY CEASE ALL WORK WHICH MIGHT IMPACT THE SUSPECT MATERIAL AND REPORT KNOWLEDGE OF SUCH REASONABLE BELIEF TO THE OWNER AND ARCHITECT AND AWAIT FURTHER INSTRUCTION.
73. ALL OPENINGS / PENETRATIONS IN WALLS, FLOORS AND CEILINGS SHALL BE SEALED WITH NELSON FIRE-STOP PRODUCTS (1-800-331-7329) OR APPROVED EQUAL. PRODUCT USE SHALL BE AS RECOMMENDED BY NELSON AND MUST MAINTAIN RATING OF ALL WALLS, FLOORS AND CEILINGS. ALL PENETRATIONS REQUIRE SEALANT, SUCH AS BUT NOT LIMITED TO THE FOLLOWING: STRUCTURAL STEEL, PIPING, CONDUITS, DUCTWORK, WIRING, ETC. CONTRACTOR MUST PROVIDE DETAILED SHOP DWGS. OF ALL PENETRATIONS FOR ARCHITECTS REVIEW (NO EXCEPTIONS)
74. ALL MASONRY WEEP HOLES MUST BE LOCATED ABOVE GRADE, CONCRETE WALKS, PAVEMENT MULCH, ETC. DO NOT COVER UNDER ANY CIRCUMSTANCES. CONSTRUCTION MANAGER IS RESPONSIBLE TO COORDINATE WITH MASONRY CONTRACTOR AND ALL CIVIL WORK (TYPICAL).
75. STRUCTURAL STEEL FABRICATOR AND INSTALLER SHALL BE RESPONSIBLE FOR THE COORDINATION OF ALL FRAMED OPENINGS IN ROOF WITH APPROVED EQUIPMENT MANUFACTURERS. (OPENINGS SUCH AS, BUT NOT LIMITED TO MECHANICAL UNITS, EXHAUST FANS, MOUNTED EQUIPMENT, DRAIN, SKYLIGHTS, STAIR OPENINGS, ROOF HATCHES, SMOKE HATCHES, DUCT THRU ROOF PENETRATIONS, EXPANSION JOINTS, ETC.)
- EXACT SIZES AND EXACT LOCATIONS OF ALL OPENINGS ARE TO BE VERIFIED WITH THE APPROVED SHOP DRAWINGS ISSUED FOR THE INSTALLATION. THE EXACT SIZES SHALL BE COORDINATED PRIOR TO ANY FABRICATION AND INSTALLATION BY ANY/ALL TRADES. (SIZES AND LOCATIONS INDICATED ON CONTRACT DRAWINGS ARE DIAGRAMMATIC AND FOR INFORMATION ONLY.)
- ANY FABRICATION AND/OR INSTALLATION WHICH HAS NOT BEEN PROPERLY COORDINATED WITH APPROVED EQUIPMENT MANUFACTURE AND MUST BE REPAIRED, RELOCATED, ALTERED, REPLACED, RE-INSTALLED OR MODIFIED IN ANY MANNER WILL BE DONE TO THE SATISFACTION OF THE OWNER WITH NO ADDITIONAL COST TO THE OWNER OR DESIGN PROFESSIONAL.
76. THE USE OF RECYCLED FILL MATERIALS IS PROHIBITED UNDER ANY STRUCTURE AND ANY IMPORTED FILL UNDER STRUCTURES IS TO BE PENNDOT 2A SELECT STRUCTURAL FILL IN PA. NO EQUALS ARE TO BE ACCEPTED.
77. ALL FLOOR SLABS ON GRADE ARE TO RECEIVE KOSTER VAP 1 2000 SYSTEM VAPOR EMISSIONS COMPLIANCE TREATMENT BY MANUFACTURED BY KOSTER AMERICAN CORPORATION, PH# (757) 426-1206/ (541) 548-0210
- FLOOR FINISH CONTRACTORS ARE RESPONSIBLE FOR TESTING MOISTURE CONTENT IN FLOOR SLABS BEFORE APPLYING KOSTER VAP 1 2000 SYSTEM & BEFORE APPLYING FLOOR FINISHES. (TWO (2) TESTS REQUIRED)
78. CONTRACTOR SHALL PROVIDE MEANS OF CONVEYING ALL MATERIALS TO AND FROM ROOF.
79. FOR INSTALLATION OF INSULATION & VAPOR / AIR BARRIERS, INCLUDING ALL TYPES OF INSULATION, BATTS, SPRAY INSULATION, ACOUSTICAL, ETC. (REFER TO DRAWINGS AND SPECIFICATIONS FOR TYPES) CONTRACTOR MUST INSTALL INSULATIONS & VAPOR / AIR BARRIERS AS PER MANUFACTURER'S INSTRUCTIONS, SPECIFICATIONS, METHODS, RECOMMENDATIONS, STANDARDS, PROCEDURES, ETC. FOR EACH TYPE OF INSULATION & VAPOR / AIR BARRIER. SEALING OF ALL GAPS TO PROVIDE A CONTINUOUS ENVELOPE, ATTACHMENT, JOINT SEALING, CONDENSATION CONTROL, THERMAL PERFORMANCE, ACOUSTICAL PERFORMANCE, FIRE PERFORMANCE RATINGS, AESTHETICS, ASTM STANDARDS COMPLIANCE, INTERNATIONAL BUILDING CODE, LOCAL CODES, UNDERWRITERS LABORATORIES, FACTORY MUTUAL, EPA, ETC. MUST ALL BE FOLLOWED
- ALL OF THE ABOVE MUST BE PERFORMED IN A PROFESSIONAL MANNER AS PER INDUSTRY STANDARDS.
80. ALL CONCRETE MASONRY WALLS (C.M.U) TO BE INSTALLED IN ACCORDANCE WITH THE NATIONAL CONCRETE MASONRY ASSOCIATION. 2302 HORSE PEN ROAD, HERNDON, VIRGINIA 22071-3406

ABBREVIATIONS

ACT	ACOUSTICAL CEILING TILE	N	NORTH
AF	ABOVE FINISHED FLOOR	NIC	NOT IN CONTRACT
AHU	AIR HANDLING UNIT	NOM	NOMINA
		NTS	NOT TO SCALE
AL / ALUM	ALUMINUM	OC	ON CENTER
ARCH	ARCHITECTURAL	OFF	OFFICE
ASPH	ASPHALT	OH	OPPOSITE HAND
ATTCHMT	ATTACHMENT	OPNG	OPENING
		OPNG /	OPENING
BD / BRD	BOARD	OPP	OPPOSITE
BLDG	BUILDING	OSB	ORIENTED STRAND BOARD
BLK	BLOCK(ING)	OVHD	OVERHEAD
BM	BEAM	P	PLASTIC LAMINATE
BRG	BRACING	PAR	PARTITION
BRK	BRICK	PC	PRECAST
BTM	BOTTOM OF SLAB	PC PL	PORTLAND CEMENT PLASTER
		PH	PAPER HOLDER
		PL	PROPERTY LINE
		PLAS	PLASTER
CJ	CONTROL OR CONSTRUCTION JOINT	PLUM / PLMG	PLUMBING
CLG	CLOSE	PL CON	PLYWOOD CONTRACTOR
CLR	CLEAR	PLYWD	PLYWOOD
CMU	CONCRETE MASONRY UNIT	PANEL	PANEL
CJ	CONTROL JOINT	PR	PAIR
COL	COLUMN	PSF	POUNDS PER SQUARE FOOT
CONC	CONCRETE	PS	POUNDS PER SQUARE INCH
CONT	CONTINUOUS	PTD	PAINTED
CORR	CORRIDOR	PTS	POINTS
COT	CARPET	QT	QUARRY TILE
CPT / CER	CERAMIC TILE/CERAMIC		
D / DRN	DRAIN	R	RADIUS
DBL	DOUBLE	R VENT	RANGE VENT
DET	DETAIL	REF	REFRIGERATOR
DF	DRINKING FOUNTAIN	RENF	REINFORCE(D)
DI	DIAMETER	REQ / REQ'D	REQUIRED / REQUIRED
DM	DIMENSION	REV	REVISE / REVISION
DN STRIP	DOWN STRIP	ROOM	ROOM
DN	DOWN	ROUGH	ROUGH OPENING
DO	DITTO	RSTRM	RESTROOM
DP	DOWNPROOF(ING)		
DR	DOOR	SAN	SANITARY
DS	DOWNSPOUT	SAN ST	SANITARY STACK
DT	DRAN TILE	SC	SOUND CONTROL
DW	DISH WASHER	SCR	SCREEN
DWG	DRAWING	SECT	SECTION
EA	EACH	SCHED	SCHEDULE / SCHEDULED
EJ	EXPANSION JOINT	SE	SELF-CONVD UNIT
EIFS	EXTERIOR INSULATION FINISH SYSTEM	SHT	SHEET
EL	ELEVATOR	SP	SIMILAR
ELC	ELECTRICAL CONTRACTOR	SP	STAIRCASE
ENC	ELEVATION	SPLSH BLK	SPLASH BLOCK
ENCL	ENCLOSURE	SPEC	SPECIFICATION
EQL	EQUAL	SPR	SPRINKLER / SPRINKLERED
EQUIP	EQUIPMENT	SQ	SQUARE
ETC	ETCETERA	SS	STAINLESS STEEL
EX / EXIST	EXISTING	STN	STAN(ED)
EXP	EXPANSION	STL	STEEL
EXT	EXTERIOR	STG / STOR	STORAGE
FA	FRESH AIR	STRUCT	STRUCTURAL / STRUCTURE
FD	FAN DRIVE UNIT	SUSP	SUSPEND / SUSPENDED
FE / FEC	FIRE EXTINGUISHER (CABINET)		
FE / FIN FL	FINISHED FLOOR	T	TILE
FN	FINISH	T&B	TOP AND BOTTOM
FL	FLOOR	T&C	TONGUE AND GROOVE
FLSH	FLASH(ING)	TEL	TELEPHONE
FLSH	FLASH(ING)	TH / TRSH	THRESHOLD
FOS	FACE OF STUDS	THK	THICK / THICKNESS
FR(G)	FRAME OR FRAMING	THRU	THROUGH
FT	FEET OR FOOT	TOP	TOP OF CURB
FUR	FURNISH	TOS	TOP OF SLAB
FVC	FIRE VALVE CABINET	TRD	TREATED
		TYP	TYPICAL
GA	GAUGE OR GAUGE	UL	UNDERWRITERS LABORATORY
GALV	GALVANIZE OR GALVANIZED	UNFIN	UNFINISHED
GL	GENERAL CONTRACTOR		
GL	GALVANIZED IRON	V	VENT
GM	GALVANIZED METAL	VENT	VENTILATE
GN	GRADE	VERT	VERTICAL
GNB	GYPSUM WALL BOARD	VEST	VESTIBULE
GYP BD	GYPSUM BOARD	VF	VERT IN FIELD
		VWC	VINYL WALL COVERING
		VOL	VOLUME
HB	HOSE BIBB	W	WIDTH
H	HANDICAP ACCESSIBLE	W&H	WIDTH X HEIGHT
HDW	HARDWARE	WC	WATER CLOSET
HDWD	HARDWOOD	WH	WOOD
HM	HOLLOW METAL	WK	WATER HEATER
HOR	HORIZONTAL	WP	WATERPROOF
HT / HGT	HEIGHT	WT	WEIGHT
HT	HEATER		
ID	INSIDE DIAMETER	X	CROSS
INFO	INFORMATION		
INSUL	INSULATION OR INSULATED		
INT	INTERIOR		
INV	INVERT		
JAN	JANITOR		
JT	JOINT		
KO	KNOCKOUT		
LAM	LAMINATE OR LAMINATED		
LAV	LAVATORY		
LP	LOW POINT		
LT/LGT	LIGHT		
MFR / MANUF	MANUFACTURER		
MAS	MASONRY		
MATL	MATERIAL		
MAX	MAXIMUM		
MC	MECHANICAL CONTRACTOR		
MECH	MECHANICAL		
MEMB	MEMBRANE		
MET / MTL	METAL		
MIN	MINIMUM		
MIR	MIRROR		
MISC	MISCELLANEOUS		
MO	MASONRY OPENING		
MVBL / MOVE	MOVABLE		
MT	MARBLE THRESHOLD		

DRAWING SYMBOLS LEGEND



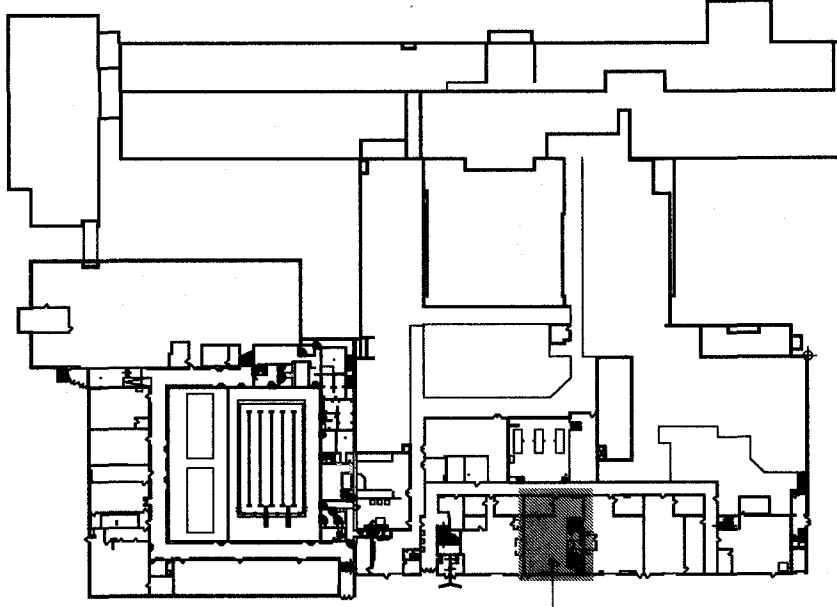
**HIGHLAND ASSOCIATES**  
Architecture | Engineering | Interior Design

102 Highland Avenue  
Clarks Summit, PA 18411  
(570) 586-4334 (office)

www.highlandassociates.com

New York • Pennsylvania • Florida

REVISION NO:



KEY PLAN

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**APPLICABLE CODES:**

- 2020 Building Code of New York State (IBC 2018)
- 2020 Existing Building Code of New York State (IEBC 2018)
- 2018 Fire Code of New York State (IFC 2018)
- 2010 ADA Americans with Disabilities Act
- 2009 ICC/ANSI A117.1
- 2010 Energy Conservation Code of New York State (IECC 2018)
- 2020 Plumbing Code of New York State (IPC 2018)
- 2020 Mechanical Code of New York State (IMC 2018)
- 2017 National Electrical Code of New York State (NFPA 70 2017)
- ASCE 7-16
- 2022 NYSED Manual of Planning Standards

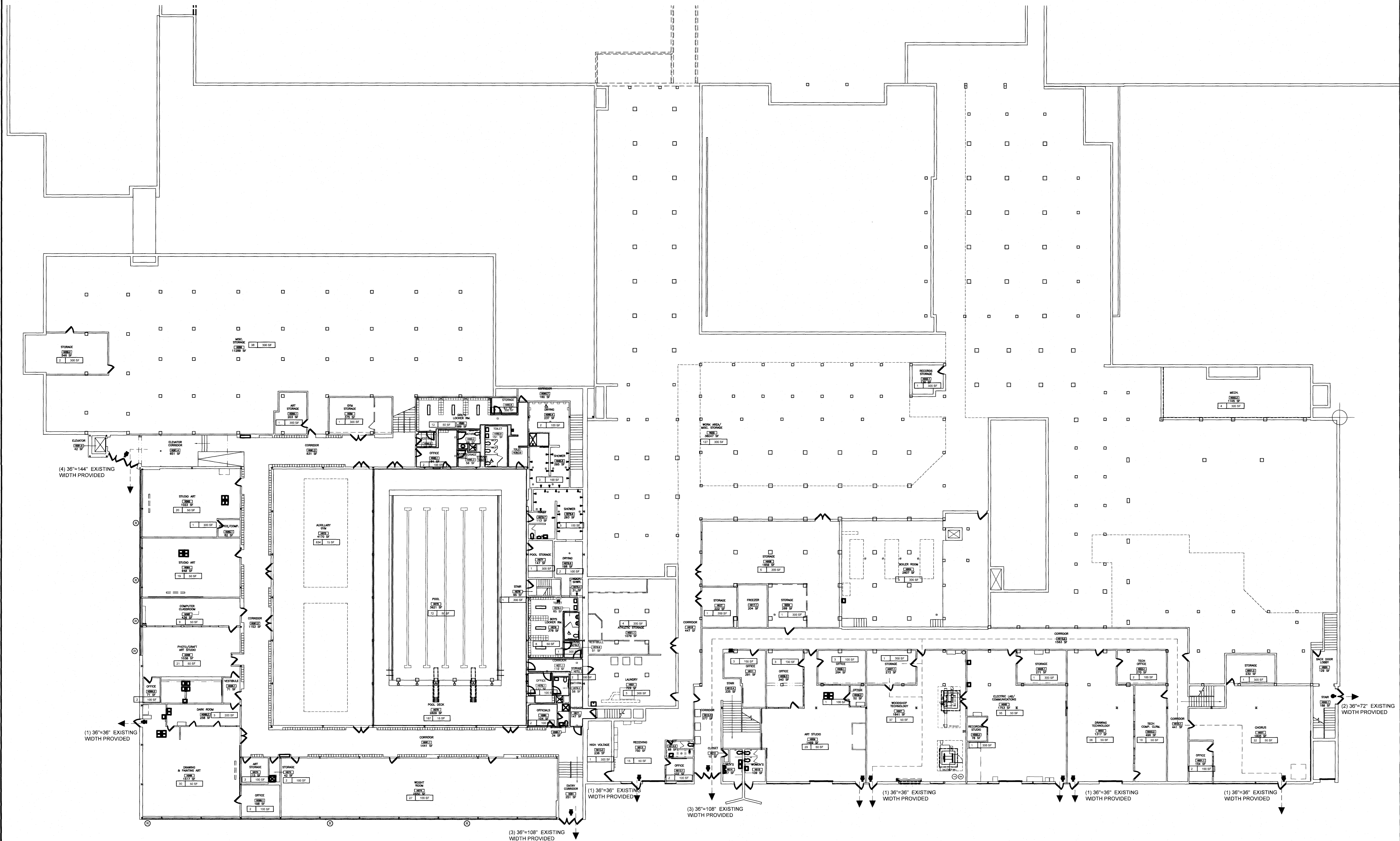
**BUILDING USE GROUP:**  
E - Educational / High School

**CONSTRUCTION TYPE EXISTING:**  
Type 2B Non-Combustible and Fire Resistive Concrete Construction

**MEANS OF EGRESS**

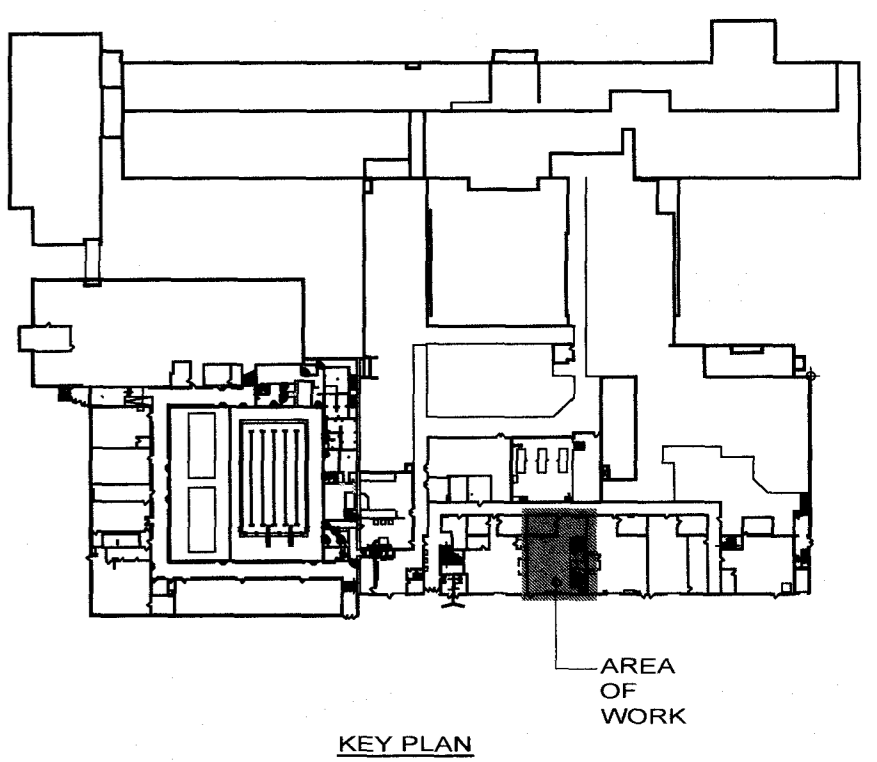
**GROUND FLOOR HIGH SCHOOL**

Occupant Load - 1,675 occupants  
1,675 occupants x .2 (Doors) = 335" Exit width required.  
Existing Exit width provided: (21) 36" Doors @ 36" ea. = 756" Exit With Provided



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

REVISION NO:



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PROJECT TITLE:



201 Main Street | Vestal, NY 13850

SED# 03-16-01-06-0-001-020

SEALS:

DRAWING TITLE:

# HIGH SCHOOL CODE COMPLIANCE PLAN AND CODE INFORMATION

DRAWN BY:

B-1C

DATE: \_\_\_\_\_

10/18/2023

DRAWING NO:

HS EX-1.1

GAD FILE: 2000-EX-11.DWG

LOT DATE: 5/15/2023

# PARTIAL DEMOLITION PLAN

SCALE: 1/4"=1'-0"

DEMOLITION KEY NOTES:

- ① INDICATES AREA WHERE CONTRACTOR IS TO DEMOLISH PORTION OF EXISTING WALL CONSTRUCTION.
- ② CONTRACTOR TO REMOVE WINDOW AND FRAME IN ITS ENTIRETY.
- ③ CONTRACTOR TO REMOVE EXISTING WOODEN FLOOR INCLUDING ANY FINISHES, WOOD FLOORING, SLEEPERS, FASTENERS AND ANY PAINT, GREASE, LIQUID VAPOR BARRIER, ETC. CUT AND REMOVE EXISTING CONCRETE FLOOR AT AREA SHOWN AS REQUIRED FOR NEW CONCRETE SLAB
- ④ CONTRACTOR TO REMOVE EXISTING EXHAUST DUCT AND MOUNTING HARDWARE
- ⑤ CONTRACTOR TO REMOVE EXISTING METAL CONDUIT AND RECEPTACLE BOX
- ⑥ OWNER TO RELOCATE TABLES AND EQUIPMENT

### PARTIAL FLOOR PLAN

SCALE: 1/4"=1'-0"

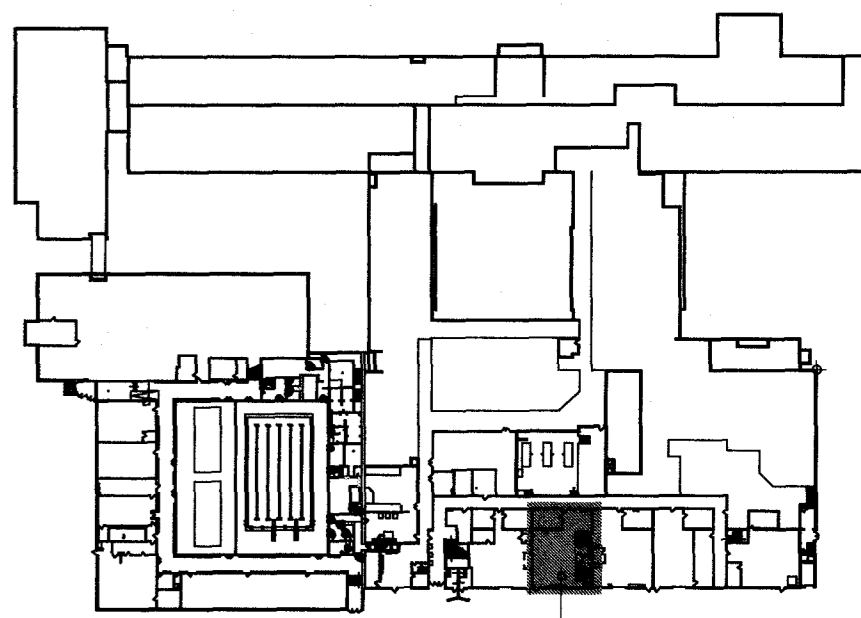
GENERAL NOTES:

CONTRACTOR TO PATCH, REPAIR ALL WALLS TO  
ACCEPT NEW PAINTED FINISH

CONTRACTOR TO INSTALL NEW HSS 8"x8"x 1/2" TUBE  
W/ 3/8" STEEL PLATE WELDED, BEARING 8" ON  
ONE SIDE AND WELD TO EXISTING STEEL WITH  
ANGLE ON OPPOSITE SIDE (SEE 3 A-2.1)

CONTRACTOR TO INFILL FLOORS (SHOWN HATCHED) PLACE 6x6-W2.9xW2.9 WELDED WIRE FABRIC ON CHAIRS AT 36" oc. POUR SLAB OF 3000 PSI CONCRETE AND PROVIDE TROWEL FINISH. WITHIN 24 HOURS, SAWCUT SLAB 1-1/2" DEEP INTO GRID AT 10 FEET oc. APPLY CURING COMPOUND COMPATIBLE WITH FINAL FLOOR FINISH.

CONTRACTOR IS RESPONSIBLE FOR PROTECTING THE EXISTING FLOORS DURING THE MOVING AND INSTALLATION OF THE NEW EQUIPMENT. REPAIR ANY DAMAGE DURING THE MOVE



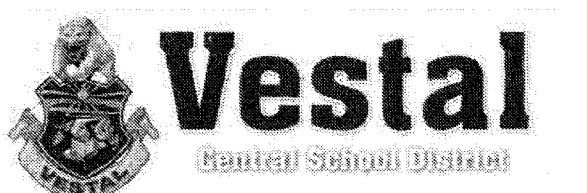
### KEY PLAN

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PROJECT TITLE:



201 Main Street | Vestal, NY 13850

## Robotics Upgrades

SED# 03-16-01-06-0-001-020

SEALS:

DRAWING TITLE:

## PARTIAL DEMOLITION PLAN AND NEW FLOOR PLAN

DRAWN BY:  
R.J.C.

D BY:  
D.M.

DATE:	PR
10/18/2023	

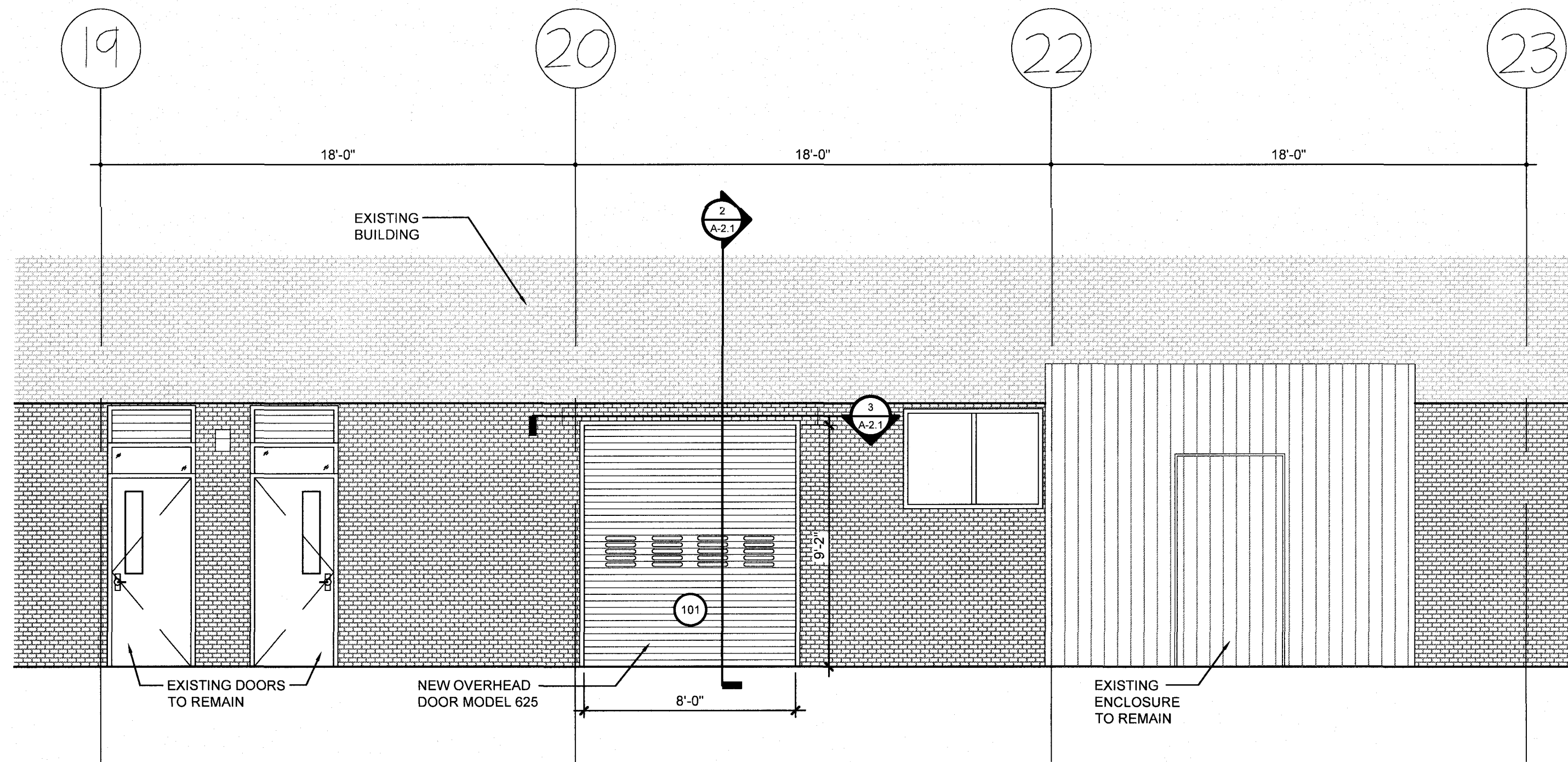
NO:  
22-380

DRAWING NO:

HS A-1.1

CAD FILE: 238D-A-110WG

DATE: 9/15/2003



1  
A-2.1  
EXTERIOR ELEVATION  
SCALE: 1/4"=1'-0"

DOOR SCHEDULE																
DOOR						FRAME		JAMB		LINTEL		THRESHOLD			REMARKS	
DOOR NO.	TYPE	MAT'L	NOMINAL SIZE			GLASS	TYPE	MAT'L	TYPE	MAT'L	TYPE	MAT'L	TYPE	MAT'L		HARDWARE SET
			WIDTH	HEIGHT	THICKNESS											
101	D-1	STL	8'-0"	9'-2"	1 3/4"	VP	F-1	STL	J-1	STL	L-1	STL	-	-	O.H. MODEL 625	INSUL. COILING DOOR

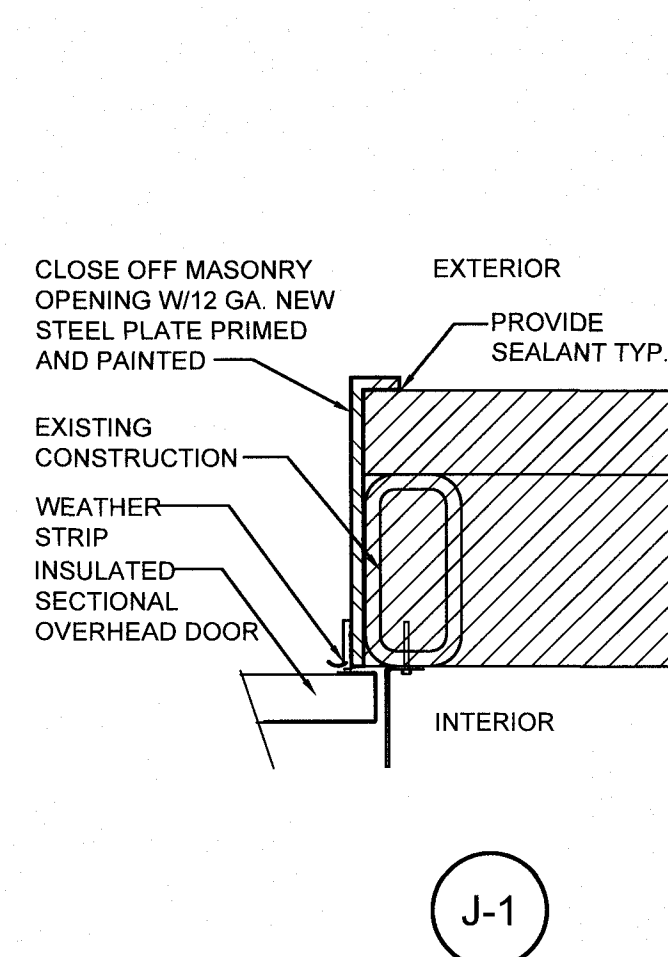
GENERAL NOTES

- PRIOR TO PURCHASE VERIFY ALL DOOR / FRAME SIZES, DIMENSIONS, DOOR SWINGS, DOOR / FRAME MATERIALS, DOOR / FRAME TYPES, FRAME WIDTH AND DEPTH, THROAT DEPTH AND FRAME HEAD HEIGHT.
- VERIFY AND COORDINATE ALL DOOR HARDWARE REQUIREMENTS FOR ALL FRAMES INDICATED. ALL SUBMITTALS ISSUED TO THE ARCHITECT SHALL REFLECT THIS FIELD VERIFIED COORDINATION.
- ALL FRAMES SHALL BE SHIMMED / CAULKED IN ACCORDANCE WITH ACCEPTED PRACTICES
- REFER TO FINISH SCHEDULE FOR FINISHES
- REFER TO PLANS FOR PROPER DOOR SWINGS
- COORDINATE WHERE DOORS / FRAMES REQUIRE CONDUITS OR WIRING INSTALLED DURING FRAME INSTALLATION FOR FUTURE ELECTRICAL CONNECTIONS FOR LOCKS, STRIKES..... ECT.

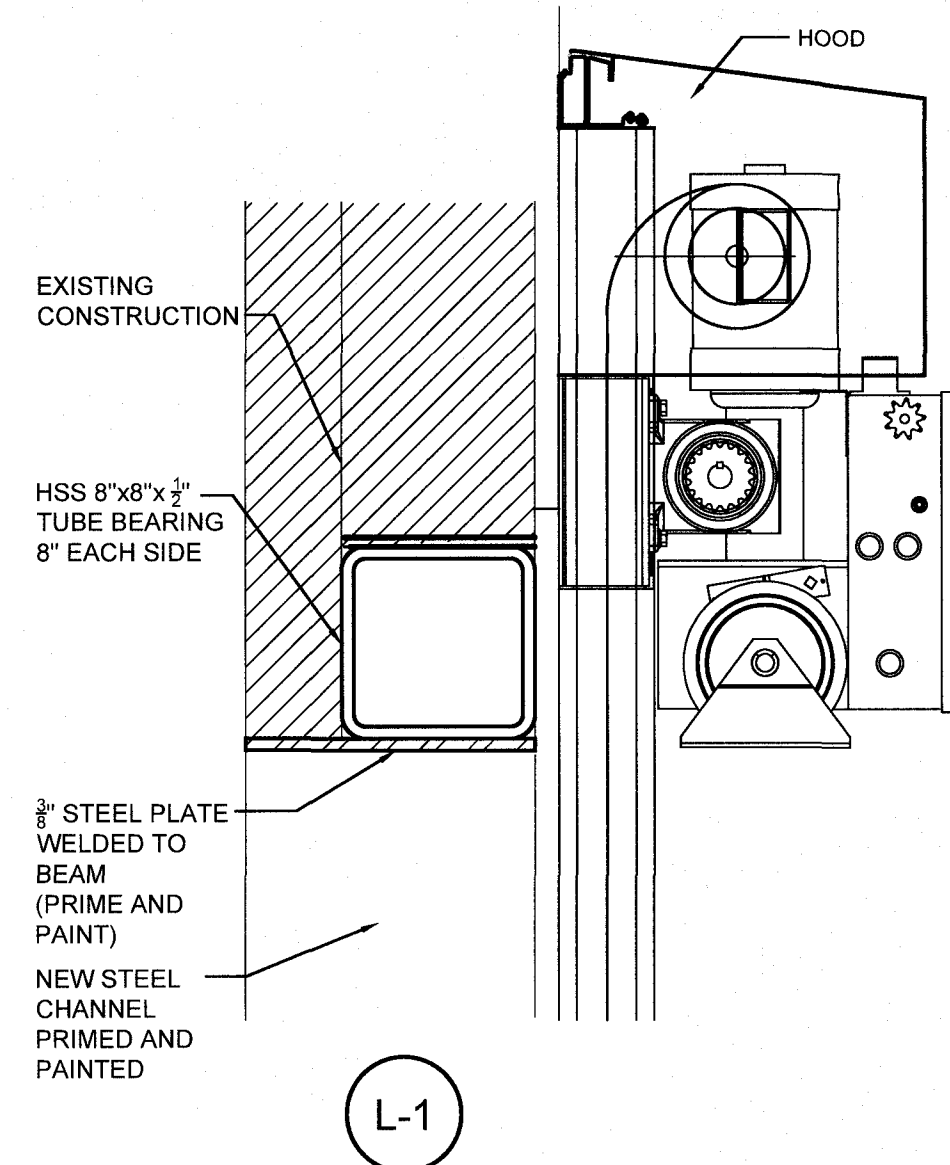
MATERIALS

- HOLLOW METAL - H.M.  
GLASS - VP  
STEEL - ST
- "A" LABEL - 3 HR. MIN. RATING  
"B" LABEL - 1-1/2 HR. MIN. RATING  
"C" LABEL - 1 HR. MIN. RATING

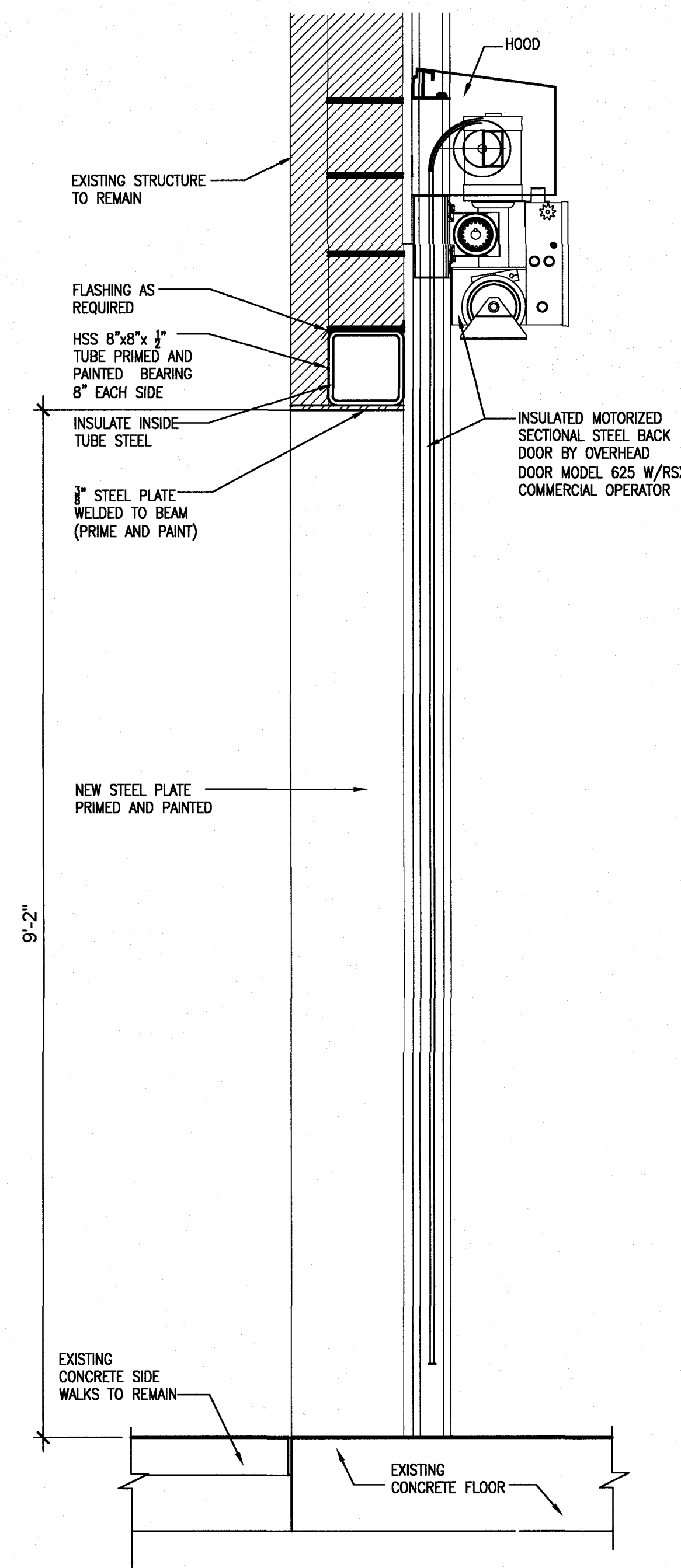
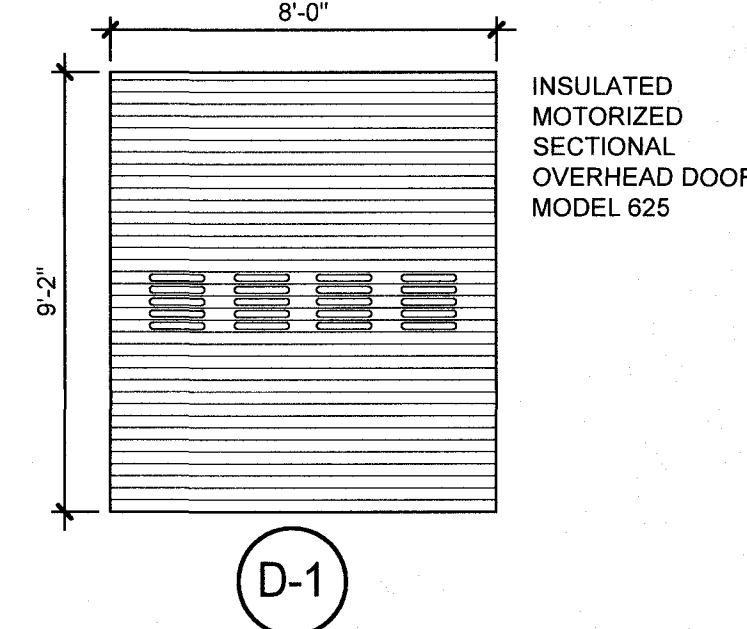
JAMB TYPES  
SCALE: 1-1/2" = 1'-0"



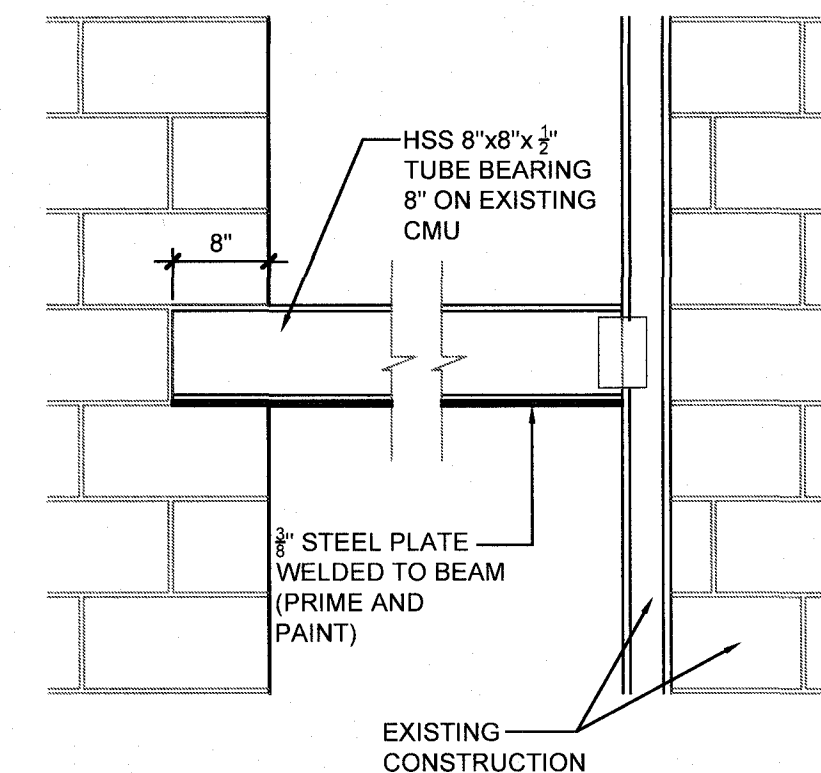
LINTEL TYPES  
SCALE: 1-1/2" = 1'-0"



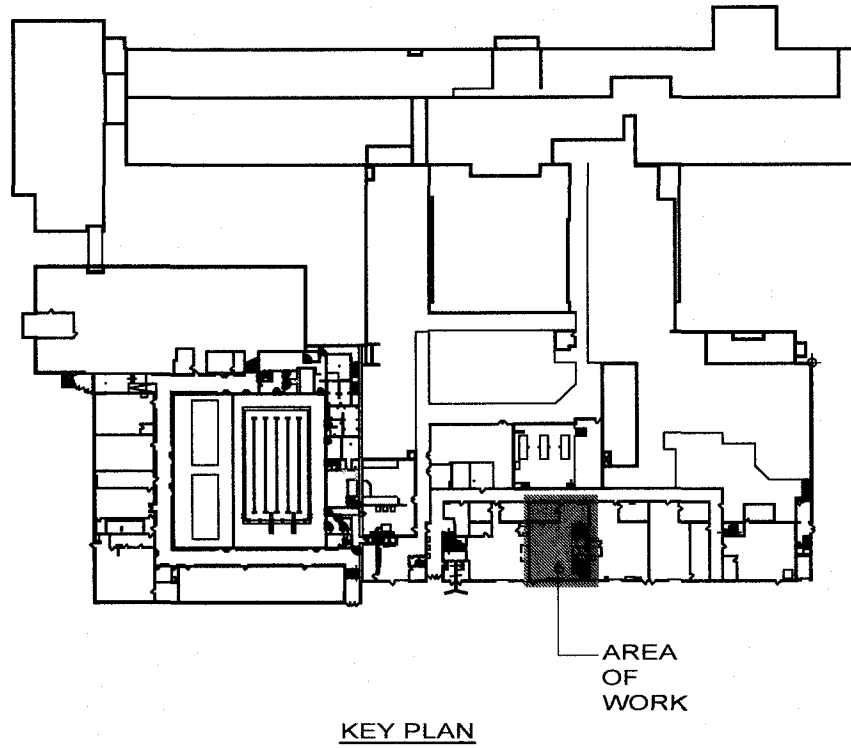
DOOR TYPE  
SCALE: 1/4" = 1'-0"



2  
A-2.1  
SECTION @  
OVERHEAD DOOR  
SCALE: 1"=1'-0"



3  
A-2.1  
DETAIL  
SCALE: 3/4"=1'-0"



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PROJECT TITLE:



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Robotics  
Upgrades

SED# 03-16-01-06-0-001-020

SEALS:

DRAWING TITLE:

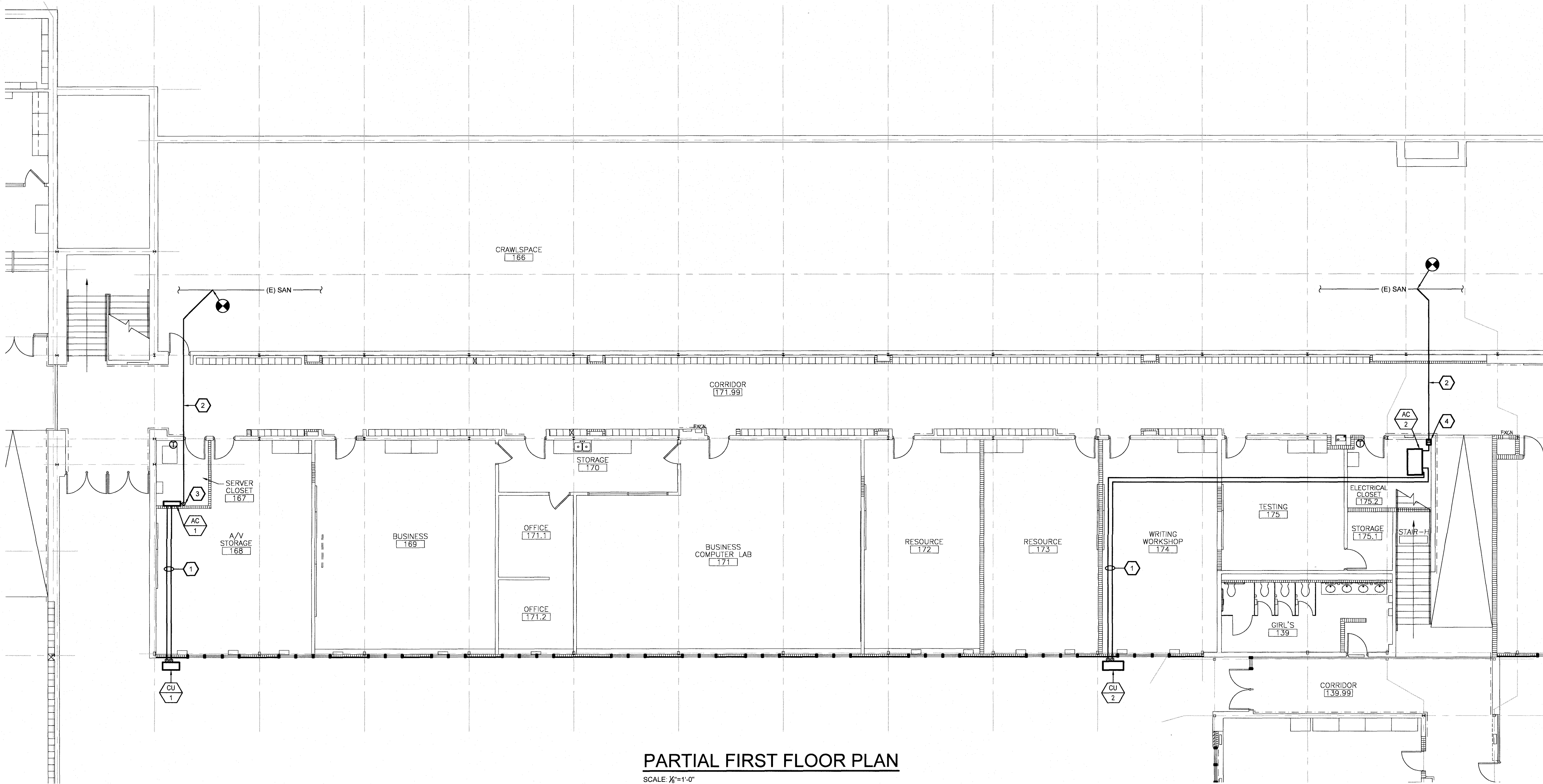
ELEVATION  
SECTION, DETAILS AND  
DOOR SCHEDULE

DRAWN BY: R.J.C. CHECKED BY: D.M.

DATE: 10/18/2023 PROJECT NO: 2022-369P

DRAWING NO:

HS A-2.1



PARTIAL FIRST FLOOR PLAN

SCALE 1/8"=1'-0"

HVAC KEYNOTES

- NEW REFRIGERANT PIPING RUN ABOVE CEILING FROM AC UNIT TO CONDENSING UNIT. SIZE AS PER MANUFACTURERS RECOMMENDATIONS.
- 1/2" PUMPED CONDENSATE DRAIN HOSE FROM AC UNIT TO INDIRECT WASTE. PROVIDE FUNNEL DRAIN INDIRECT CONNECTION TO EXISTING SANITARY LINE IN CRAWLSPACE. SEE DETAIL.
- ASPEN MINI WHITE CONDENSATE PUMP MOUNTED AT BOTTOM OF EVAPORATOR. 120V/1 POWER. 33 FT. HEAD.
- LITTLE GIANT VCMA-15ULS CONDENSATE PUMP MOUNTED ON WALL. AS HIGH AS POSSIBLE IN CORNER. 120V/1 POWER. 15 FT. HEAD.

SEQUENCE OF OPERATIONS

A. AC UNITS

- THE SYSTEMS WILL BE PROVIDED BY THE UNIT MANUFACTURER WITH CONTROLS. THE SYSTEMS WILL BE CONTROLLED FROM THE UNIT CONTROLLERS AT EACH UNIT. THEY WILL PROVIDE ALL CONTROL FUNCTIONS. OPERATION SHALL BE COORDINATED THROUGH BACNET INTERFACE TO ALLOW THE EXISTING BUILDING-WIDE BMS TO COORDINATE OPERATION.

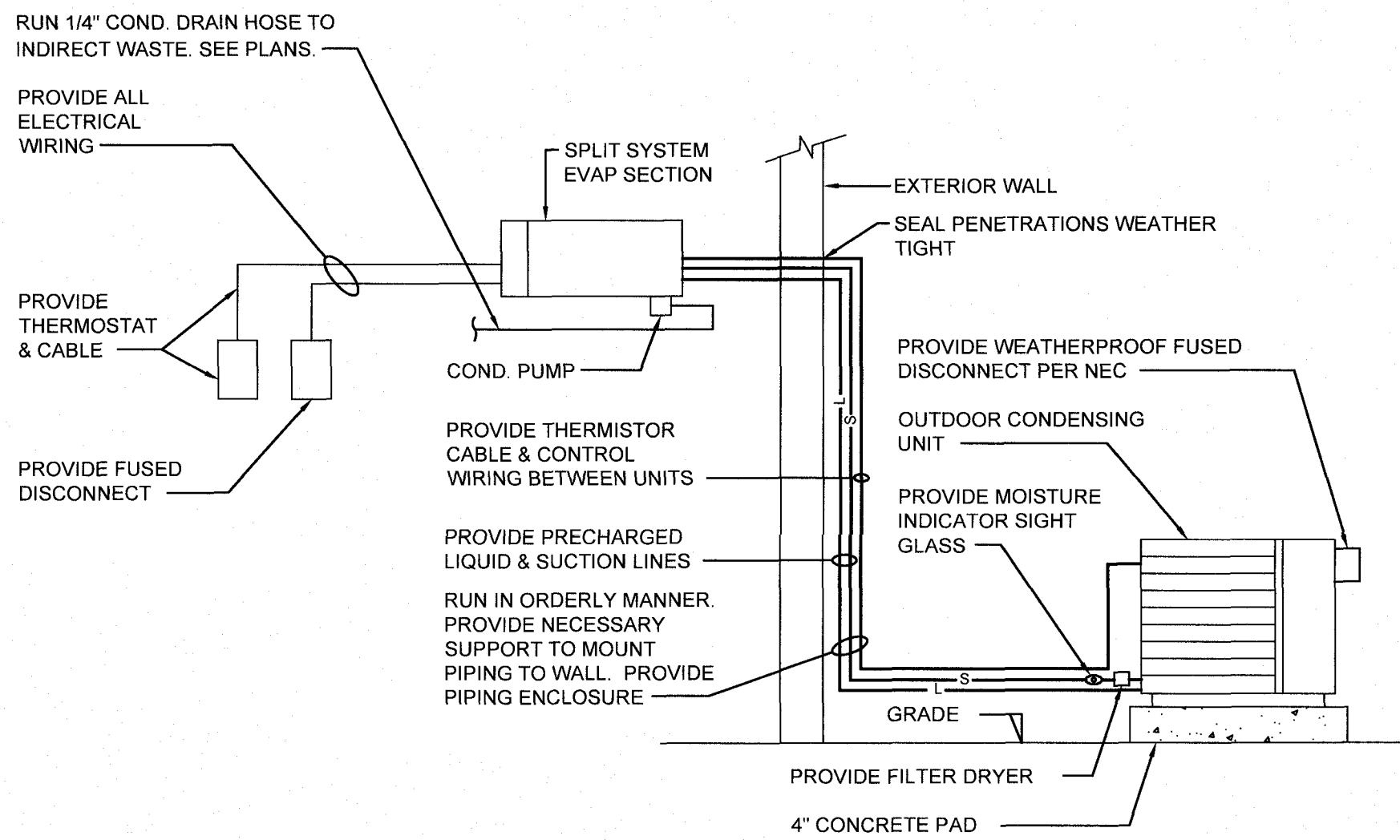
B. AC UNIT:

- OPERATION: A/C UNIT SHALL FAN SHALL CYCLE. UPON A RISE IN SPACE TEMPERATURE ABOVE COOLING SETPOINT (75° F. ADJ.), THE A/C UNIT AND CONDENSING UNIT SHALL MODULATE TO MAINTAIN COOLING SPACE TEMPERATURE.

- THE BMS SHALL CONTROL THE SYSTEM THROUGH BACNET INTERFACE.

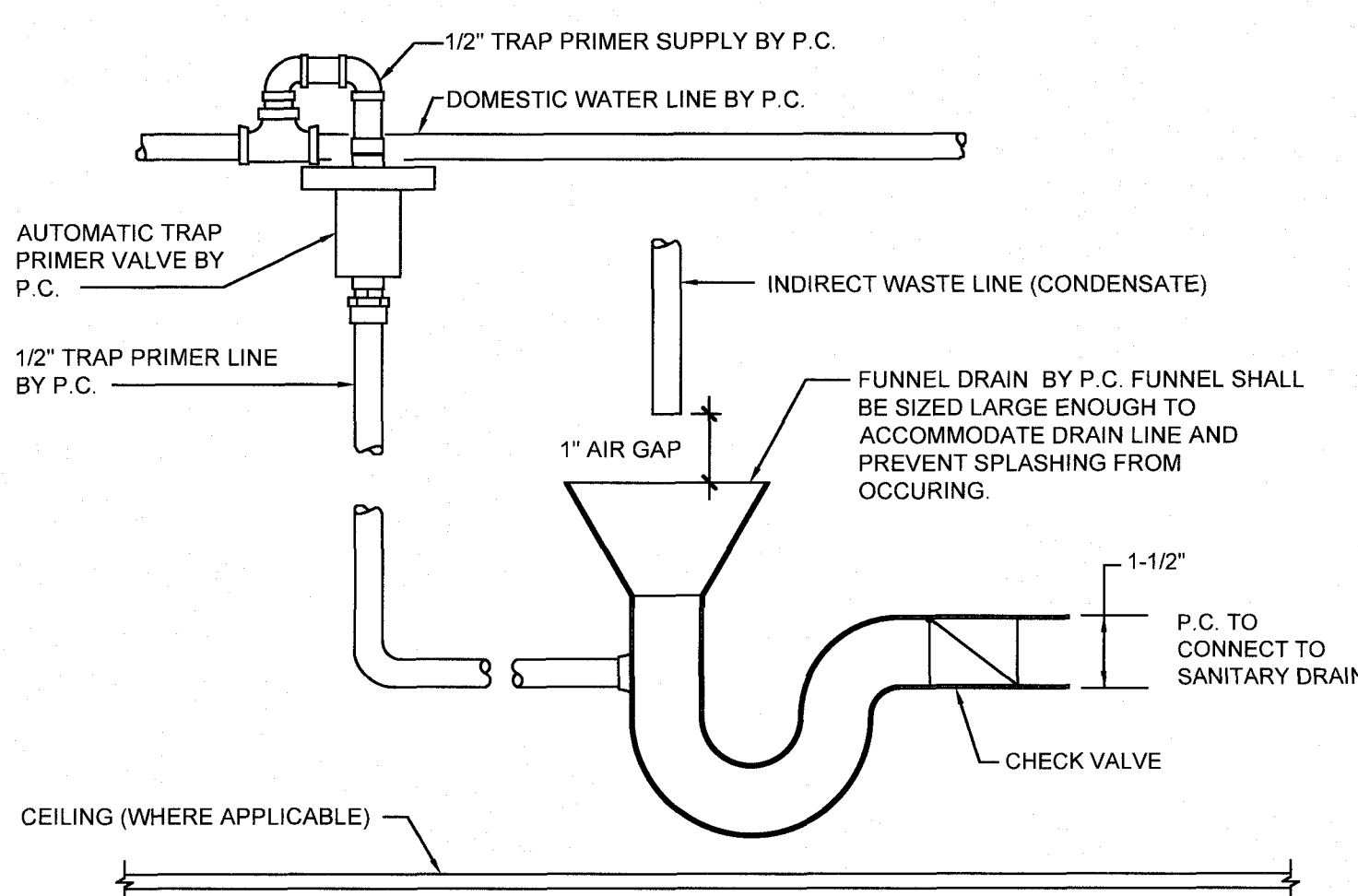
C. SAFETIES / ALARMS

- RETURN THE SYSTEM TO THE UNOCCUPIED CYCLE AND SEND ALARM TO BMS WHENEVER ANY OF THE FOLLOWING OCCUR:
  - UNIT FREEZSTAT SENSES A SUPPLY AIR TEMPERATURE OF 37°F OR LESS.
  - HIGH SPACE TEMPERATURE.
  - ACTIVATION OF THE FIRE ALARM SYSTEM.
  - EQUIPMENT FAILURE: INTERLOCK AC UNIT OPERATION WITH CONDENSATE PUMP. IF PUMP FAILS TO OPERATE, AC UNIT SHALL NOT RUN AND ALARM SENT TO BMS.
  - PROVIDE WATER LEVEL MONITORING DEVICE INSIDE PRIMARY DRAIN PAN TO SHUT OFF AC EQUIPMENT IF PRIMARY DRAIN BECOMES RESTRICTED.



SPLIT SYSTEM SCHEMATIC DRAWING

NOT TO SCALE



INDIRECT WASTE DETAIL

NOT TO SCALE

LEGEND

	EQUIPMENT TAG		POINT OF NEW CONNECTION
	THERMOSTAT	(E)	EXISTING

SPLIT SYSTEM AIR CONDITIONING SCHEDULE

TAG	MANUF. / MODEL	INDOOR SECTION					OUTDOOR SECTION					SEER	REFRIGERANT	REMARKS
		TAG	CFM L-M-H	TOTAL BTUH	VOLTAGE	FILTERS	TAG	MANUF. / MODEL	ELECTRICAL					
									MCA	MOPP	VOLTAGE			
AC-1	LG / LS120HSV5 (WALL)	AC-1	194-317-459	12,000	208/1	PERMANENT	CU-1	LG / LSU120HSV5	10	15	208/1	22.0	R410A	
AC-2	LG / ARNU243V1A4 (CLG)	AC-2	424-459-495	24,000	208/1	PERMANENT	CU-2	LG / ARUN024GSS4	19.6	30	208/1	18.2	R410A	

NOTES:

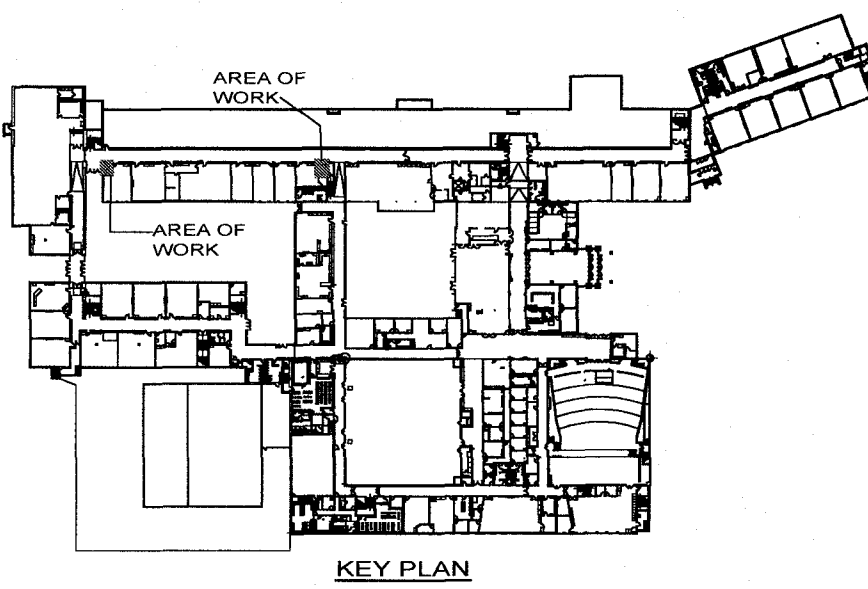
- PROVIDE WITH LOW AMBIENT CONTROL.
- PROVIDE DISCONNECT FOR INDOOR & OUTDOOR UNITS.
- PROVIDE LG MODEL PREMTBVC3 REMOTE WALL MOUNTED BACNET CONTROLLER. INTERLOCK WITH EXISTING BMS.

MECH / ELEC / PLUMB EQUIPMENT CONNECTIONS SCHEDULE

EQUIPMENT / TAG	DISCONNECT		STARTER		NOTES
	FURNISHED BY	INSTALLED BY	FURNISHED BY	INSTALLED BY	
AC/CU SPLIT SYSTEMS	M.C.	E.C.	M.C.	M.C.	③ ④ ⑤

M/E EQUIPMENT CONNECTIONS SCHEDULE NOTES:

- THE MECHANICAL/ELECTRICAL EQUIPMENT CONNECTIONS SCHEDULE AND ACCOMPANYING NOTES ARE INTENDED TO CLEARLY DEFINE WHICH CONTRACTOR FURNISHES AND INSTALLS STARTERS AND DISCONNECTS AND SHALL BECOME PART OF THE SPECIFICATIONS. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL POWER WIRING AND FINAL POWER CONNECTIONS. ALL CONTROL WIRING SHALL BE FURNISHED, INSTALLED AND FINAL CONNECTION BY THE TRADE SUPPLYING THE EQUIPMENT.
- E.C. - ELECTRICAL CONTRACTOR  
M.C. - MECHANICAL CONTRACTOR (HVAC)  
P.C. - PLUMBING CONTRACTOR
- ELECTRICAL CONTRACTOR SHALL WIRE THROUGH DISCONNECT AND VFD/STARTER AND MAKE FINAL POWER CONNECTIONS TO MOTOR.
- EC SHALL PROVIDE 120V POWER TO CONDENSATE PUMP.
- EC TO WIRE FROM DISCONNECT TO JUNCTION BOX / STARTER / PANEL.



OUT TO BID

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PROJECT TITLE:



201 Main Street | Vestal, NY 13850

Robotics Upgrades

SED# 03-16-01-06-0-001-020

SEALS:

DRAWING TITLE:

PARTIAL 1st FLR.  
IT ROOMS

DRAWN BY:

JAH

CHECKED BY:

AJL

DATE:

10/18/2023

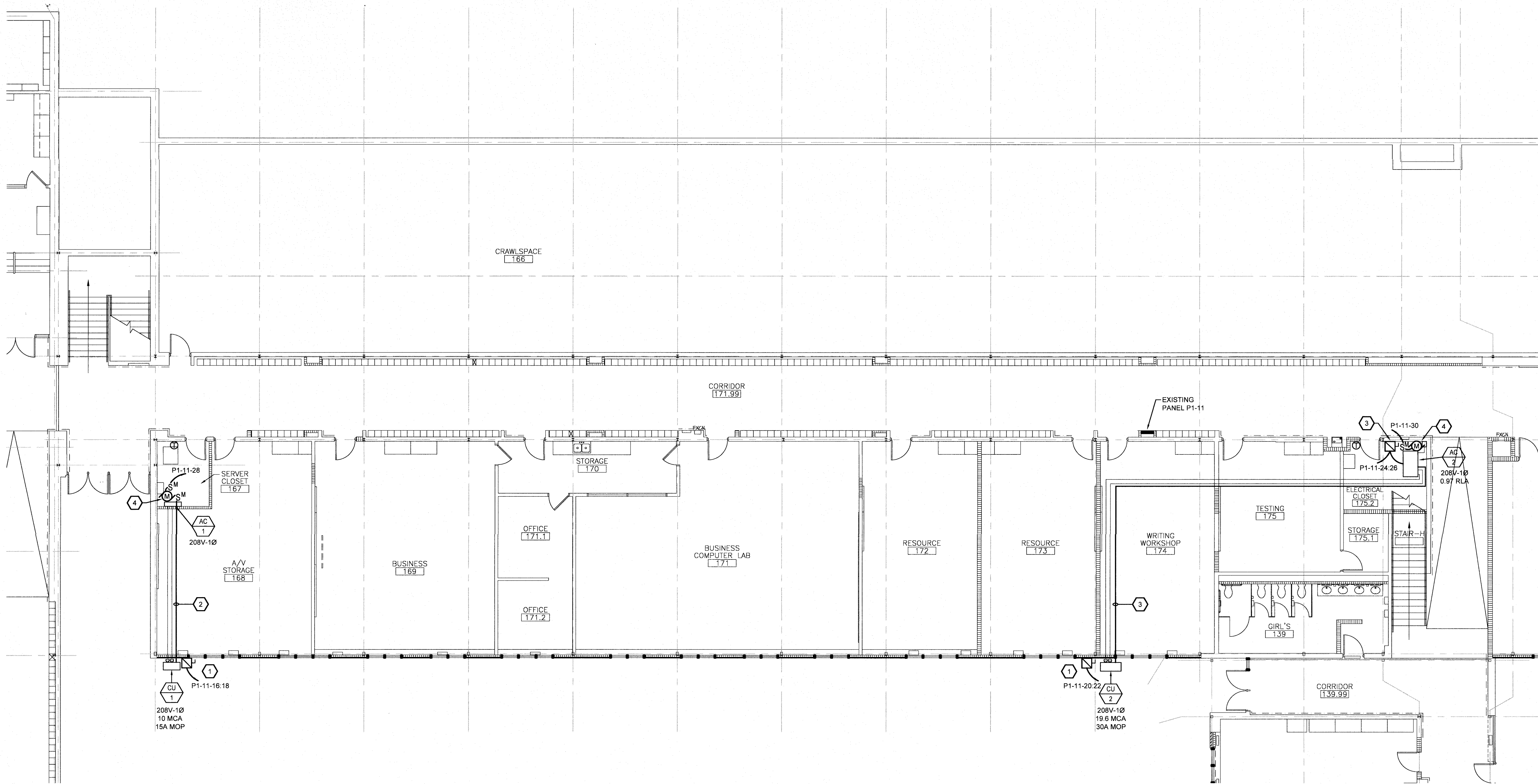
PROJECT NO:

2022-380

DRAWING NO:

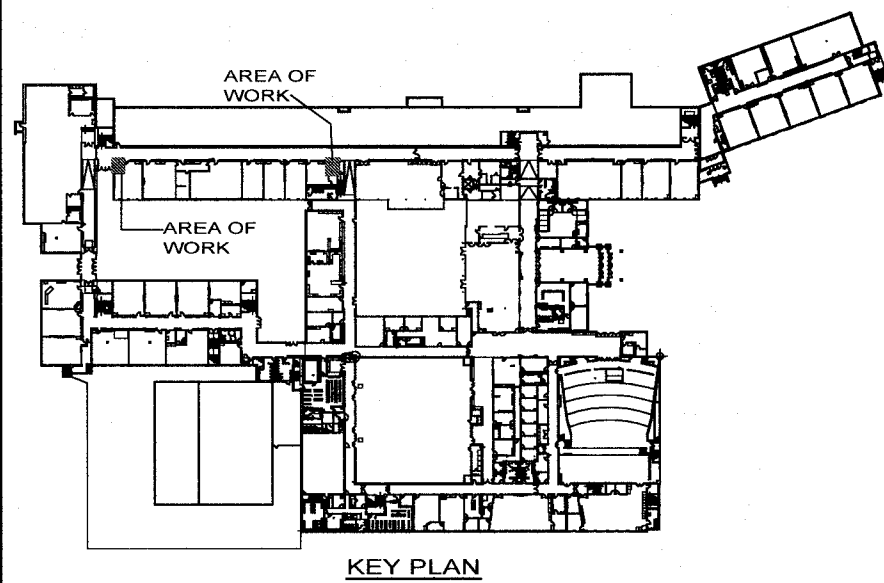
HS

M-1.0



### PARTIAL FIRST FLOOR ELECTRICAL RENOVATION PLAN

SCALE 1/8"=1'-0"



OUT TO BID

### ELECTRICAL RENOVATION KEYNOTES

- PROVIDE POWER TO OUTDOOR UNIT FROM EXISTING PANEL P1-11. DISCONNECT TO BE FURNISHED BY MECHANICAL CONTRACTOR (M.C.). SEAL ALL EXTERIOR WALL PENETRATIONS WEATHER TIGHT.
- INDOOR UNIT AC-1 IS POWERED BY THE OUTDOOR UNIT. PROVIDE COMMUNICATION / CONNECTION (POWER). GROUND CABLE (TWISTED, STRANDED AND SHIELDED AWG 14 x 40) FROM OUTDOOR UNIT TO INDOOR UNIT. REFER TO EQUIPMENT MANUFACTURER'S (LG) INSTALLATION INSTRUCTIONS FOR ADDITIONAL INFORMATION. LOW VOLTAGE COMMUNICATION WIRE TO CONTROLLER TO BE PROVIDED BY M.C.
- INDOOR UNIT AC-2 IS NOT POWERED BY THE OUTDOOR UNIT. PROVIDE A SEPARATE 208V-1Ø CIRCUIT AS INDICATED. IN ADDITION, PROVIDE COMMUNICATION CABLE (TWISTED, STRANDED AND SHIELDED AWG 18 x 20) FROM OUTDOOR UNIT TO INDOOR UNIT. REFER TO EQUIPMENT MANUFACTURER'S (LG) INSTALLATION INSTRUCTIONS FOR ADDITIONAL INFORMATION. LOW VOLTAGE COMMUNICATION WIRE TO CONTROLLER TO BE PROVIDED BY M.C.
- PROVIDE 120V-1Ø POWER TO CONDENSATE PUMP. REFER TO MECHANICAL DRAWINGS FOR PUMP MOUNTING LOCATION.

### ELECTRICAL SYMBOL LEGEND

- 208V/120V PANELBOARD - RECESSED
- HOMERUN TO PANELBOARD, CIRCUIT NUMBER AS INDICATED. SEE PANELBOARD SCHEDULES FOR QUANTITY AND SIZE OF CONDUITS AND CONDUCTORS
- MOTOR CONNECTION.
- MANUAL MOTOR STARTER SWITCH WITH THERMAL OVERLOADS (UNLESS OTHERWISE NOTED) - SIZED TO PROTECT EQUIPMENT SERVED
- FUSED DISCONNECT SWITCH
- MECHANICAL EQUIPMENT TAG

MECH / ELEC / PLUMB EQUIPMENT CONNECTIONS SCHEDULE				
EQUIPMENT / TAG	DISCONNECT		STARTER	
	FURNISHED BY	INSTALLED BY	FURNISHED BY	INSTALLED BY
AC/CU SPLIT SYSTEMS	M.C.	E.C.	M.C.	M.C.

#### M/E EQUIPMENT CONNECTIONS SCHEDULE NOTES:

- THE MECHANICAL/ELECTRICAL EQUIPMENT CONNECTIONS SCHEDULE AND ACCOMPANYING NOTES ARE INTENDED TO CLEARLY DEFINE WHICH CONTRACTOR FURNISHES AND INSTALLS STARTERS AND DISCONNECTS AND SHALL BECOME PART OF THE SPECIFICATIONS. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL POWER WIRING AND FINAL POWER CONNECTIONS. ALL CONTROL WIRING SHALL BE PROVIDED, INSTALLED AND FINAL CONNECTION BY THE TRADE SUPPLYING THE EQUIPMENT.
- E.C. - ELECTRICAL CONTRACTOR  
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- EC SHALL PROVIDE 120V POWER TO CONDENSATE PUMP
- EC TO WIRE FROM DISCONNECT TO JUNCTION BOX / STARTER / PANEL

### EXISTING PANELBOARD SCHEDULE

DESIGNATION:		MAINS: 125A MLO		VOLTAGE: 208Y/120 3-PH/4W		LOCATION: CORRIDOR		SINGLE PANEL	
P1 - 11		TYPE: -		MINIMUM O.C. DEVICE INTERRUPTING RATING: -		FED BY: LDP-4		DOUBLE PANEL	
O.C. DEVICE: -						MOUNTING: RECESSED		COMMON COVER	
CKT NO	TRIP	WIRE	G	C	LOAD	KVA Ø A	KVA Ø B	KVA Ø C	
1	1	20	-	-	REC N. WALL 165	-	-	-	LIGHTS 165
3	1	20	-	-	REC S. WALL 165	-	-	-	LIGHTS 167
5	1	20	-	-	REC N. WALL 167	-	-	-	LIGHTS 169
7	1	20	-	-	REC S. WALL 167	-	-	-	208V HAND DRYERS GIRLS 135A
9	1	20	-	-	REC N. WALL 169	-	-	-	/
11	1	20	-	-	REC S. WALL 169	-	-	-	LIGHTS 171, 171.1, 135A
13	1	20	-	-	SPARE	-	-	-	EF - 21
15	1	20	-	-	SPARE	-	-	-	CONDENSING UNIT CU-1
17	1	20	-	-	SPARE	-	-	-	/
19	1	20	-	-	SPARE	-	-	-	CONDENSING UNIT CU-2
21	1	20	-	-	SPARE	-	-	-	/
23	1	20	-	-	EX FAN ELECTRIC RM	-	-	-	INDOOR CEILING UNIT AC-2
25	1	20	-	-	CEIL REC 165, 167, 169	-	-	-	/
27	1	20	-	-	REC 171	-	-	-	CONDENSATE PUMP
29	1	20	-	-	SPARE	-	-	-	CONDENSATE PUMP
31	1	20	-	-	SPARE	-	-	-	SPARE
33	1	20	-	-	SPARE	-	-	-	SPARE
35	1	20	-	-	SPARE	-	-	-	SPARE
37	1	20	-	-	SPARE	-	-	-	SPARE
39	1	20	-	-	SPARE	-	-	-	SPARE
41	1	20	-	-	SPARE	-	-	-	SPARE

CONNECTED KVA PER PHASE

\* UTILIZE EXISTING 20A/1P SPARE CIRCUIT BREAKER.

\*\* PROVIDE NEW 2-POLE CIRCUIT BREAKER.

\*\*\* RELOCATED 20A/1P CIRCUIT BREAKER

TOTAL CONNECTED KVA

TOTAL DEMAND KVA

TOTAL DEMAND AMPERES

#### PANELBOARD SCHEDULE NOTES:

- WHERE CIRCUIT BREAKERS ARE BEING ADDED TO EXISTING PANELS, THE NEW CIRCUIT BREAKERS SHALL MATCH CHARACTERISTICS OF EXISTING CIRCUIT BREAKERS IN THE PANEL.
- PROVIDE NEW UPDATED PANEL SCHEDULES IN ALL PANELS UPON COMPLETION OF WORK.

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PARTIAL 1st FLR.  
IT ROOMS ELECTRICAL  
RENOVATION PLAN

DRAWN BY:

RFK

CHECKED BY:

LKN

DATE:

10/18/2023

PROJECT NO:

2022-380

DRAWING NO:

HS E-1.0

CAD FILE: 2306-E-1.0.DWG

PLOT DATE: 9/15/2023