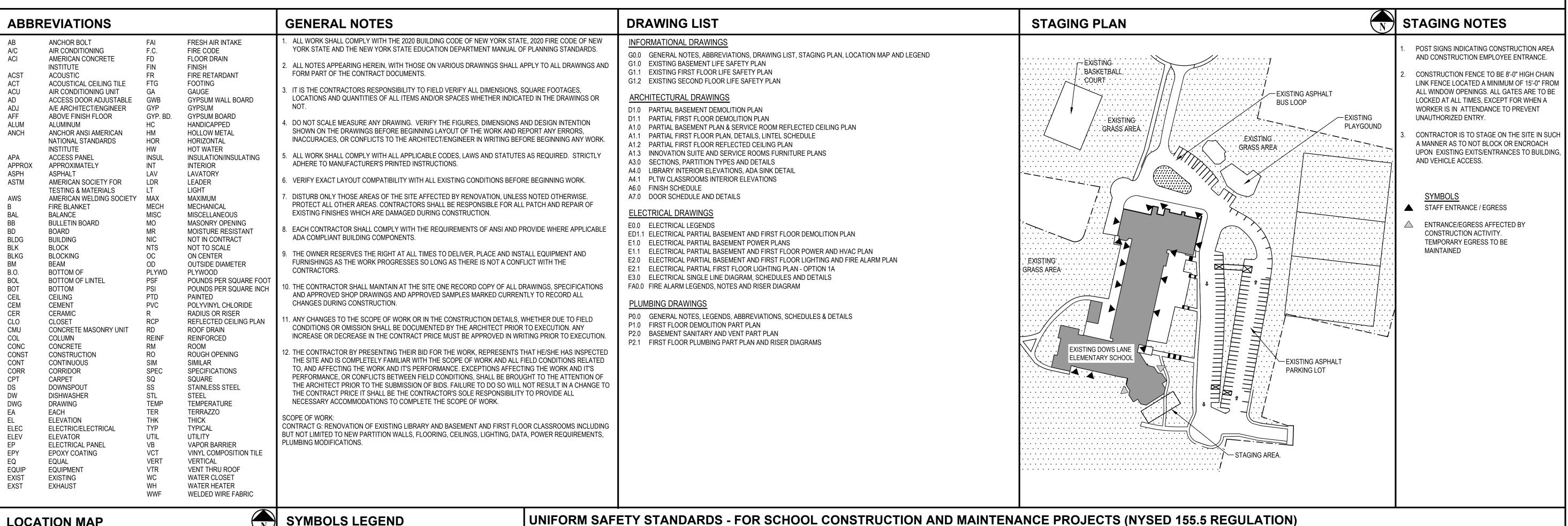
IRVINGTON UNION FREE SCHOOL DISTRICT DOWS LANE ELEMENTARY SCHOOL INNOVATION SUITE

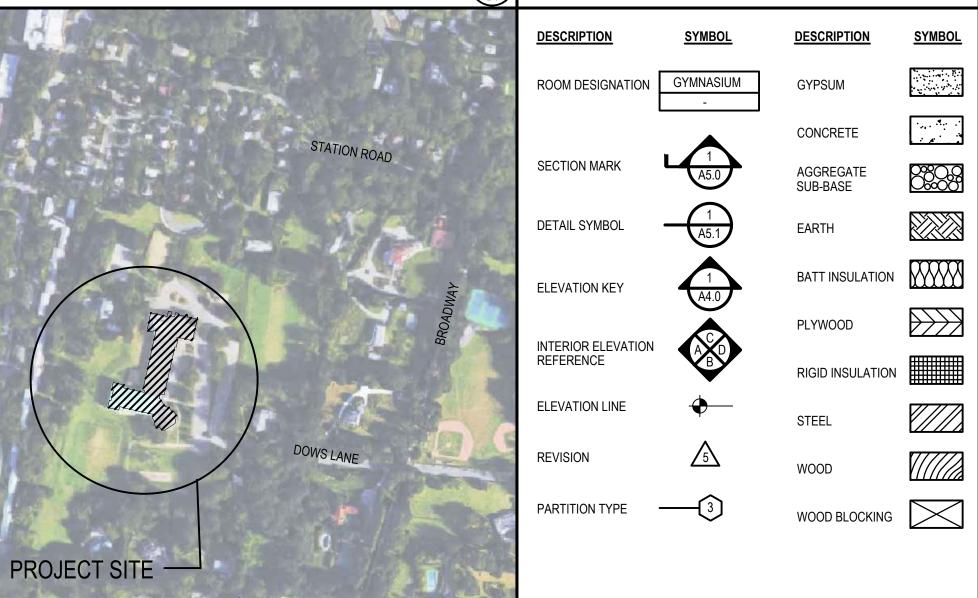
6 DOWS LANE, IRVINGTON, NY 10533

SED PROJECT CONTROL NUMBER 66-04-02-02-0-002-021

CONTRACT G - GENERAL CONSTRUCTION, ELECTRICAL, PLUMBING AND ASBESTOS ABATEMENT WORK



SYMBOLS LEGEND LOCATION MAP



- "THE OCCUPIED PORTION OF ANY SCHOOL BUILDING SHALL ALWAYS COMPLY WITH THE MINIMUM REQUIREMENTS NECESSARY TO MAINTAIN A CERTIFICATE OF OCCUPANCY.
- SCHOOL AREAS TO BE DISTURBED DURING RENOVATION OF DEMOLITION ACTIVITIES HAVE BEEN TESTED AND FOUND TO CONTAIN ASBESTOS. THESE AREAS WILL BE ABATED IN ACCORDANCE WITH THE SPECIFICATION INCLUDED IN THE ENVIRONMENTAL REPORT IN THE APPENDIX. A COPY OF THESE TEST RESULTS IS INCLUDED WITHIN THE ENVIRONMENTAL REPORT FOUND IN THE APPENDIX OF THE PROJECT MANUAL FOR THIS PROJECT.
- "GENERAL SAFETY AND SECURITY STANDARDS FOR
- (1) ALL CONSTRUCTION MATERIALS SHALL BE STORED IN A SAFE AND SECURE MANNER.
- (2) FENCES AROUND CONSTRUCTION SUPPLIES OR DEBRIS SHALL BE MAINTAINED.
- (3) GATES SHALL ALWAYS BE LOCKED UNLESS A WORKER IS IN ATTENDANCE TO PREVENT UNAUTHORIZED ENTRY.
- (4) DURING EXTERIOR RENOVATION WORK, OVERHEAD PROTECTION SHALL BE PROVIDED FOR ANY SIDEWALKS OR AREAS IMMEDIATELY BENEATH THE WORK SITE OR SUCH AREAS SHALL BE FENCED OFF AND PROVIDED WITH WARNING SIGNS TO PREVENT ENTRY.
- (5) WORKERS SHALL BE REQUIRED TO WEAR PHOTO-IDENTIFICATION BADGES AT ALL TIMES FOR IDENTIFICATION AND SECURITY PURPOSES WHILE WORKING AT OCCUPIED SITES."

- "SEPARATION OF CONSTRUCTION AREAS FROM OCCUPIED SPACES: CONSTRUCTION AREAS WHICH ARE UNDER THE CONTROL OF A CONTRACTOR AND THEREFORE NOT OCCUPIED BY DISTRICT STAFF OR STUDENTS SHALL BE SEPARATED FROM OCCUPIED AREAS. PROVISIONS SHALL BE MADE TO PREVENT THE PASSAGE OF DUST AND CONTAMINANTS INTO OCCUPIED PARTS OF THE BUILDING. PERIODIC INSPECTION AND REPAIRS OF THE CONTAINMENT BARRIERS MUST BE MADE TO PREVENT EXPOSURE TO DUST OR CONTAMINANTS. GYPSUM BOARD MUST BE USED IN EXIT WAYS OR OTHER AREAS THAT REQUIRE FIRE RATED SEPARATION. HEAVY DUTY PLASTIC SHEETING MAY BE USED ONLY FOR A VAPOR, FINE DUST OR AIR INFILTRATION BARRIER, AND SHALL NOT BE USED TO SEPARATE OCCUPIED SPACES FROM CONSTRUCTION AREAS.
- (1) A SPECIFIC STAIRWELL AND/OR ELEVATOR SHALL BE ASSIGNED FOR CONSTRUCTION WORKER USE DURING WORK HOURS. IN GENERAL, WORKERS MAY NOT USE CORRIDORS, STAIRS OR ELEVATORS DESIGNATED FOR STUDENTS OR SCHOOL STAFF. WHERE NO STAIRWELL AND OR ELEVATOR IS ASSIGNED, WORKERS MUST ENTER THE CONSTRUCTION
- SPACES DIRECTLY FROM THE BUILDING EXTERIOR. LARGE AMOUNTS OF DEBRIS MUST BE REMOVED BY USING ENCLOSED CHUTES OR A SIMILAR SEALED SYSTEM. THERE SHALL BE NO MOVEMENT OF DEBRIS THROUGH HALLS OF OCCUPIED SPACES OF THE BUILDING. NO MATERIAL SHALL BE
- (3) ALL OCCUPIED PARTS OF THE BUILDING AFFECTED BY RENOVATION ACTIVITY SHALL BE CLEANED AT THE CLOSE OF EACH WORKDAY. SCHOOL BUILDINGS OCCUPIED DURING A CONSTRUCTION PROJECT SHALL MAINTAIN REQUIRED HEALTH, SAFETY AND EDUCATIONAL CAPABILITIES AT ALL TIMES THAT CLASSES ARE IN SESSION."

DROPPED OR THROWN OUTSIDE THE WALLS OF THE BUILDING.

5. A PLAN DETAILING HOW EXITING REQUIRED BY THE APPLICABLE

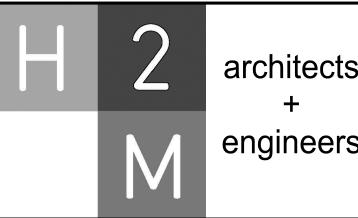
- 6. WORK UNDER THIS CONTRACT WILL BE CONDUCTED DURING THE SUMMER RECESS WHEN THE BUILDING IS UNOCCUPIED. IF THE BUILDING BECOMES OCCUPIED THE CONTRACTOR SHALL BE RESPONSIBLE TO MAINTAIN ALL EXISTING MEANS OF EGRESS IN A CLEAR AND FREE MANNER, INCLUDING THE STORAGE OF MATERIALS AND STAGING OF EQUIPMENT ON THE SITE. IF ANY PORTION OF THE BUILDING DOES BECOME OCCUPIED THE ARCHITECT WILL PROVIDE A DETAILED PLAN FOR EXITING, OVERHEAD PROTECTION AND EGRESS IN ACCORDANCE WITH APPLICABLE BUILDING CODES.
- PROVIDE A PLAN DETAILING HOW ADEQUATE VENTILATION WILL BE MAINTAINED DURING CONSTRUCTION.
- WORK UNDER THIS PROJECT WILL BE COMPLETED DURING THE SUMMER RECESS WHEN THE BUILDING WILL NOT BE OCCUPIED BY FACULTY, STAFF OR STUDENTS. IF A PORTION OF THE BUILDING IS TO BECOME OCCUPIED DURING THE CONSTRUCTION PROCESS THE CONTRACTOR SHALL CLOSE OFF ALL INTAKES, OPENINGS, AND MECHANICAL VENTILATION SYSTEMS ADJACENT TO THE WORK AREA. THE ARCHITECT SHALL ASSIST THE CONTRACTOR IN DEVELOPING A PLAN TO PROVIDE ALTERNATE MEANS OF FRESH AIR TO ALL OCCUPIED SPACES.

"CONSTRUCTION AND MAINTENANCE OPERATIONS SHALL NOT PRODUCE NOISE IN EXCESS OF 60 DBA IN OCCUPIED SPACES OR SHALL BE SCHEDULED FOR TIMES WHEN THE BUILDING OR AFFECTED BUILDING SPACES ARE NOT OCCUPIED OR ACOUSTICAL ABATEMENT MEASURES SHALL BE TAKEN."

"THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONTROL OF CHEMICAL FUMES, GASES, AND OTHER CONTAMINATES PRODUCED BY WELDING, GASOLINE OR DIESEL ENGINES, ROOFING, PAVING, PAINTING, ETC. TO ENSURE THEY DO NOT ENTER OCCUPIED PORTIONS OF THE BUILDING OR AIR INTAKES." ALL VENTS SHALL BE SEALED TO PREVENT CONTAMINANTS FROM THE CONSTRUCTION AREA FROM ENTERING THE OCCUPIED AREAS OF THE BUILDING.

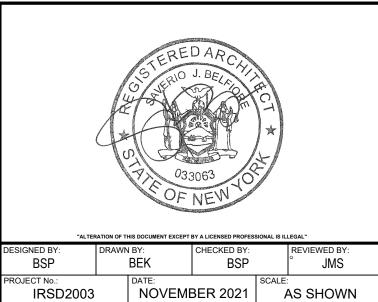
- 9. "THE CONTRACTOR SHALL BE RESPONSIBLE TO ENSURE THAT ACTIVITIES AND MATERIALS WHICH RESULT IN "OFF-GASSING" OF VOLATILE ORGANIC COMPOUNDS SUCH AS GLUES, PAINTS, FURNITURE, CARPETING, WALL COVERING, DRAPERY, ETC. ARE SCHEDULED, CURED OR VENTILATED IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS BEFORE A SPACE CAN
- 10. "LARGE AND SMALL ASBESTOS ABATEMENT PROJECTS AS DEFINED BY 12NYCRR56 SHALL NOT BE PERFORMED WHILE THE BUILDING IS OCCUPIED." IT IS OUR INTERPRETATION THAT THE TERM "BUILDING", AS REFERENCED IN THIS SECTION, MEANS A WING OR MAJOR SECTION OF A BUILDING THAT CAN BE COMPLETELY ISOLATED FROM THE REST OF THE BUILDING WITH SEALED NON COMBUSTIBLE CONSTRUCTION. THE ISOLATED PORTION OF THE BUILDING MUST CONTAIN EXITS THAT DO NOT PASS THROUGH THE OCCUPIED PORTION AND VENTILATION SYSTEMS MUST BE PHYSICALLY SEPARATED AND SEALED AT THE ISOLATION BARRIER.
- 11. EXTERIOR WORK SUCH AS ROOFING, FLASHING, SIDING, OR SOFFIT WORK MAY BE PERFORMED ON OCCUPIED BUILDINGS PROVIDED PROPER VARIANCES ARE IN PLACE AS REQUIRED, AND COMPLETE ISOLATION OF VENTILATION SYSTEMS AND AT WINDOWS IS PROVIDED. CARE MUST BE TAKEN TO SCHEDULE WORK SO THAT CLASSES ARE NOT DISRUPTED BY NOISE OR VISUAL DISTRACTION.
- 12. MINOR ASBESTOS PROJECTS DEFINED BY 12NYCRR56 AS AN ASBESTOS PROJECT INVOLVING THE REMOVAL, DISTURBANCE REPAIR, ENCAPSULATION, ENCLOSURE OR HANDLING OF 10 SQUARE FEET OF ASBESTOS OR ASBESTOS MATERIAL MAY BE PERFORMED IN UNOCCUPIED AREAS OF AN OCCUPIED **BUILDING IN ACCORDANCE WITH 12NYCRR56**

- 13. THIS PROJECT HAS BEEN TESTED FOR LEAD CONTENT IN ACCORDANCE WITH USEPA REGULATIONS AND PER HUD GUIDELINES. NONE OF THE SURFACES AND/OR MATERIALS TO BE REMOVED OR DISTURBED BY THIS RENOVATION ARE SUSPECT OF CONTAINING LEAD.
- 14. UNDER NEW YORK STATE LAW SMOKING IS PROHIBITED ON SCHOOL GROUNDS. EMPLOYEES FOUND TO BE SMOKING ON SCHOOL GROUNDS SHALL BE ORDERED OFF SITE AND A SECOND OFFENSE WILL BE GROUNDS FOR PERMANENT REMOVAL FROM PROJECT. LEGAL PENALTIES MAY ALSO BE
- 15. ALL CONTRACTORS SHALL TAKE EVERY PRECAUTION AND SHALL PROVIDE SUCH EQUIPMENT AND FACILITIES AS ARE NECESSARY OR REQUIRED FOR THE SAFETY OF ITS EMPLOYEES. IN CASE OF AN ACCIDENT, FIRST AID SHALL BE ADMINISTERED TO ANY WHO MAY BE INJURED IN THE PROGRESS OF THE WORK. IN ADDITION, THE CONTRACTOR SHALL BE PREPARED FOR THE REMOVAL TO THE HOSPITAL FOR TREATMENT OF ANY EMPLOYEE EITHER SERIOUSLY INJURED OR ILL
- 16. THE CONTRACTOR FOR GENERAL CONSTRUCTION SHALL PROVIDE TEMPORARY WEATHER-TIGHT AND INSULATED ENCLOSURES AS MAY BE REQUIRED BY THE SCOPE OF WORK FOR ALL EXTERIOR OPENINGS SO AS TO PROTECT ALL WORK FROM THE WEATHER, AND TO PROVIDE SECURITY AGAINST UNAUTHORIZED ENTRY. ENCLOSURES SHALL NOT CREATE DEAD END CONDITIONS, REQUIRED EXITS SHALL BE MAINTAINED FREE AND CLEAR.



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	11/18/2021	FINAL BID DOCUMENT



Irvington Union Free School District

Dows Lane Elementary **School Innovation Suite**



Dows Lane Elementary School 6 Dows Lane Irvington, NY 10533

SED Number:66-04-02-02-0-002-021

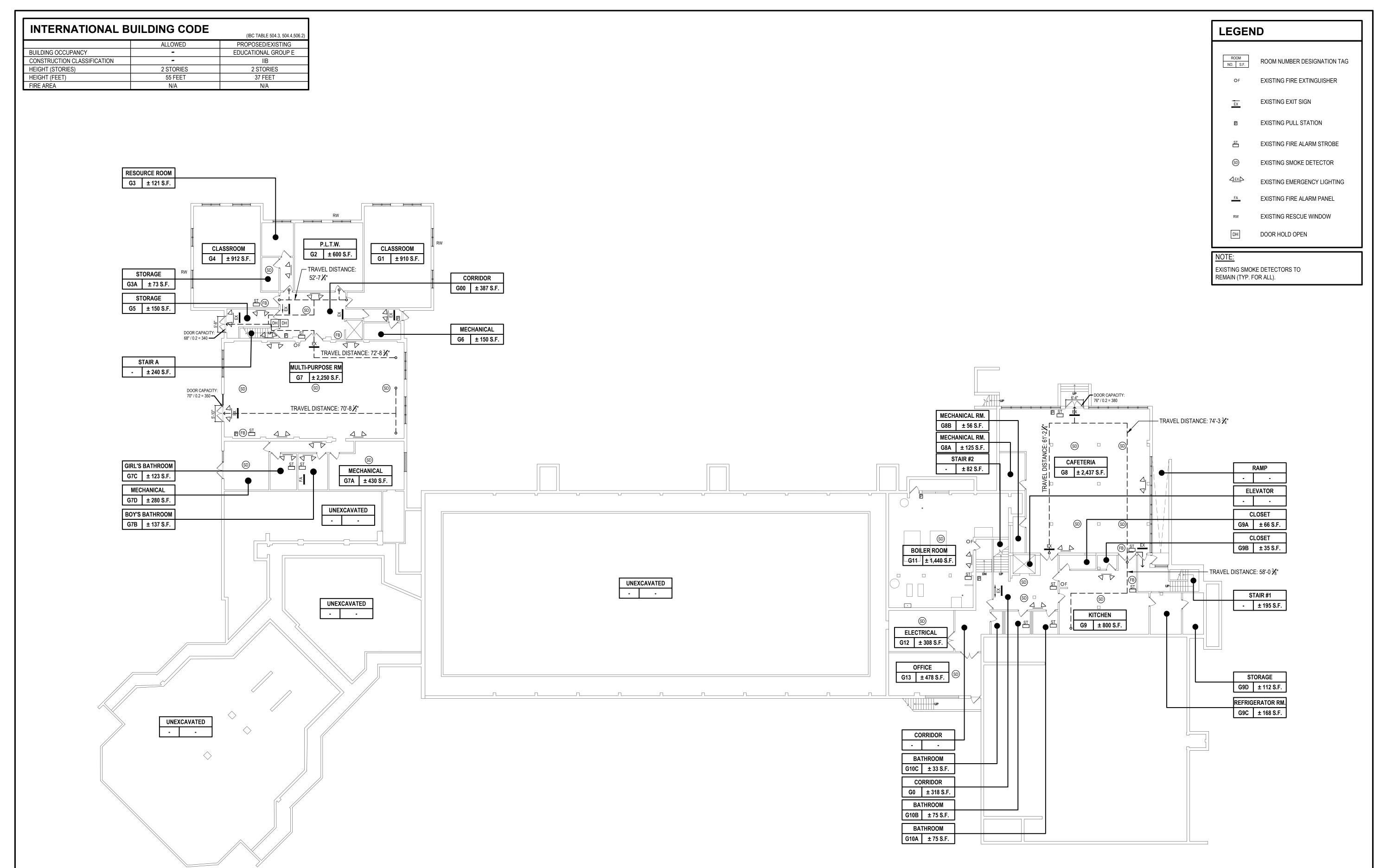
CONTRACT G GENERAL CONSTRUCTION, ELECTRICAL, PLUMBING AND ASBESTOS ABATEMENT WORK

FINAL BID DOCUMENT

GENERAL NOTES, ABBREVIATIONS, DRAWING LIST STAGING PLAN, LOCATION MAP

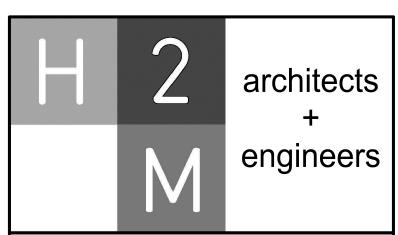
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AND LEGEND



Existing Basement Life Safety Plan

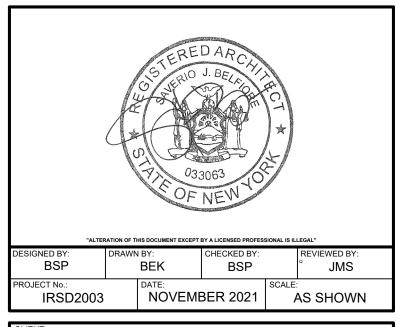
SCALE: 1/16"= 1'-0"



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NSULTANTS:

MARK	DATE	DESCRIPTION
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Irvington Union Free School District

Dows Lane Elementary School Innovation Suite



Dows Lane Elementary School 6 Dows Lane Irvington, NY 10533

SED Number:66-04-02-02-0-002-021

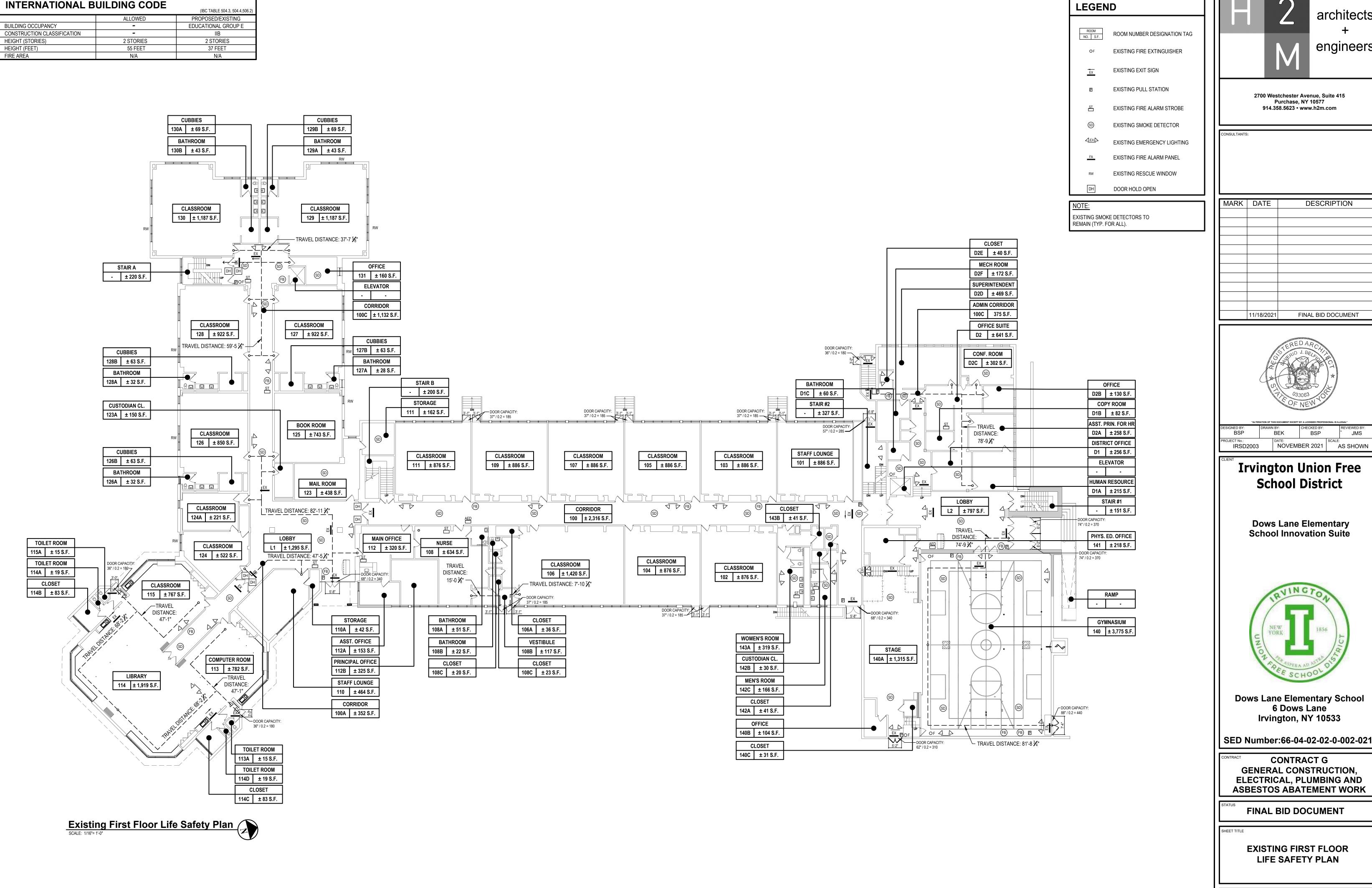
CONTRACT G
GENERAL CONSTRUCTION,
ELECTRICAL, PLUMBING AND
ASBESTOS ABATEMENT WORK

FINAL BID DOCUMENT

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EXISTING BASEMENT LIFE SAFETY PLAN

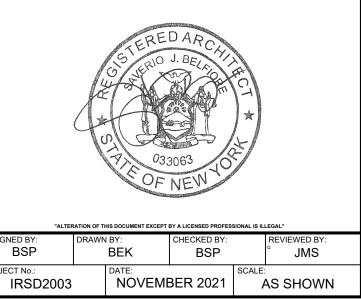
G1.0



engineers

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Irvington Union Free



Dows Lane Elementary School Irvington, NY 10533

GENERAL CONSTRUCTION, ELECTRICAL, PLUMBING AND ASBESTOS ABATEMENT WORK

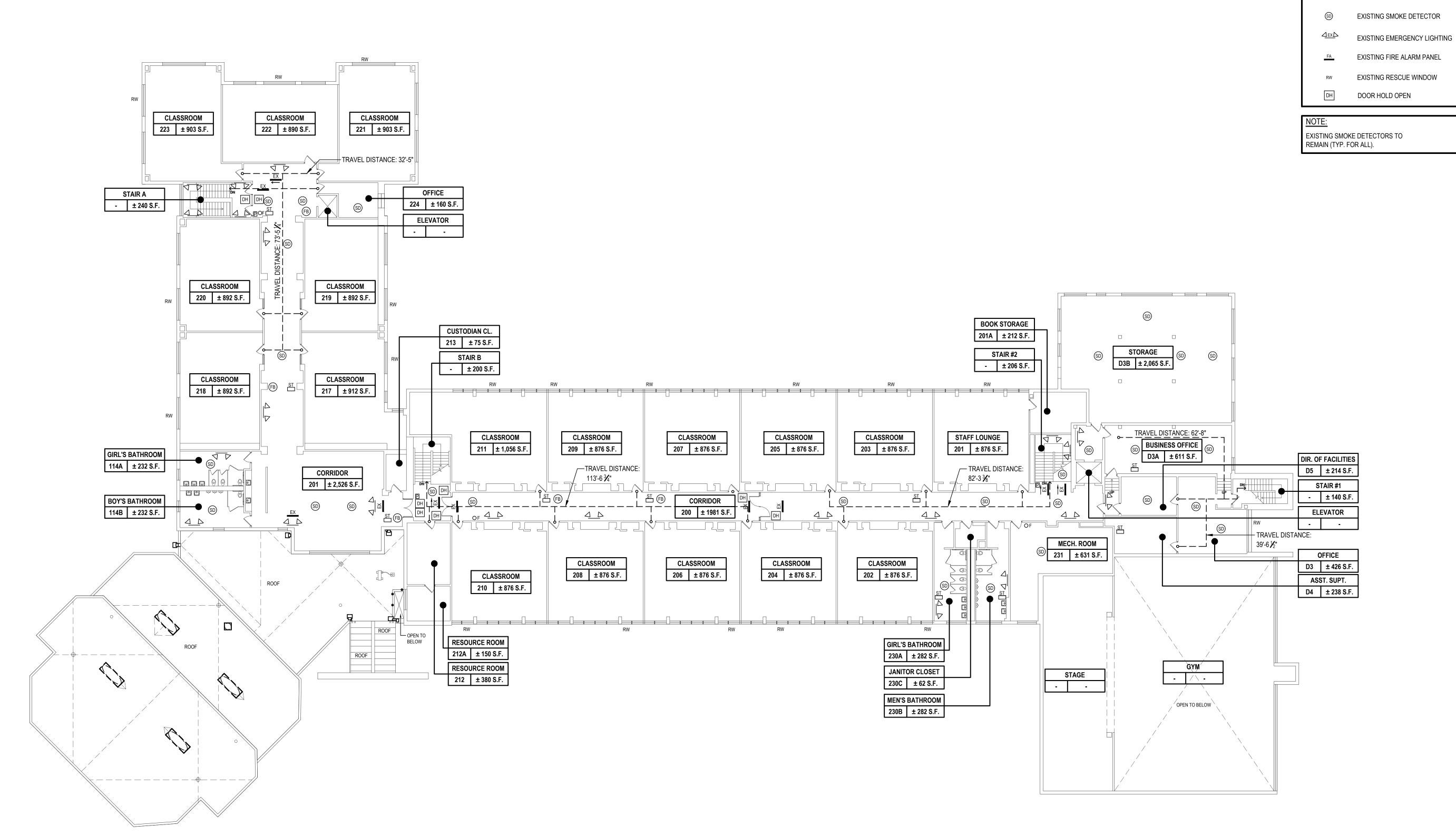
LIFE SAFETY PLAN

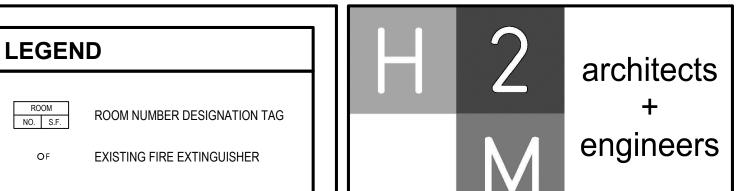
G1.1

INTERNATIONAL BUILDING CODE (IBC TABLE 504.3, 504.4,506.2)				
	ALLOWED	PROPOSED/EXISTING		
BUILDING OCCUPANCY	-	EDUCATIONAL GROUP E		
CONSTRUCTION CLASSIFICATION	-	IIB		
HEIGHT (STORIES)	2 STORIES	2 STORIES		
HEIGHT (FEET)	55 FEET	37 FEET		
FIRE AREA	N/A	N/A		

Existing Second Floor Life Safety Plan

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





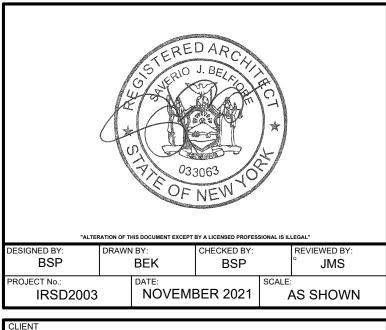
EXISTING EXIT SIGN

EXISTING PULL STATION

EXISTING FIRE ALARM STROBE

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CONTRACT G GENERAL CONSTRUCTION, ELECTRICAL, PLUMBING AND ASBESTOS ABATEMENT WORK

FINAL BID DOCUMENT

EXISTING SECOND FLOOR LIFE SAFETY PLAN

G1.2

RESOURCE ROOM G3 121 S.F. _____ CLASSROOM CLASSROOM G4 912 S.F. G1 910 S.F. PLTW CLASSROOM G2 600 S.F. **26** G00 387 S.F. STORAGE G3A 73 S.F. MECHANICAL STAIR A G6 150 S.F. 240 S.F.

Partial Basement Demolition Plan

GENERAL DEMOLITION WORK NOTES

- 1. ALL DEMOLITION WORK SHALL BE IN COMPLIANCE WITH ALL FEDERAL AND NEW YORK STATE APPLICABLE BUILDING AND LIFE AND SAFETY CODES AND REGULATIONS.
- 2. COORDINATE THE WORK OF THE DEMOLITION DRAWINGS WITH ALL CONSTRUCTION DRAWINGS AND
- . CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND QUANTITIES OF ALL ITEMS TO BE REMOVED
- PRIOR TO START OF WORK. THE GENERAL WORK CONTRACTOR SHALL PROTECT ALL PORTIONS OF THE EXISTING BUILDING WHERE
- NEW WORK IS TO BE DONE FROM DUST, WEATHER INCLEMENCY AND FREEZING. PROVIDE DUST FREE BARRIER PARTITIONS DURING DEMOLITION TO PREVENT DEBRIS FROM ENTERING STUDENT AND FACULTY OCCUPIED AREAS. THE GENERAL WORK CONTRACTOR WILL BE HELD RESPONSIBLE FOR ANY DAMAGE TO THE EXISTING STRUCTURE OR BUILDING CONTENTS.

ADD/ALT. NOTES

DRAWINGS FOR MORE INFORMATION.

BASEMENT LEVEL - WORK RELATED TO EXISTING PLTW

CLASSROOM G2, NEW SERVICE ROOM G2A AND NEW SERVICE ROOM G2B, EXCLUDING LIGHT FIXTURES (LABOR AND MATERIAL)

REFER TO ELECTRICAL DRAWINGS FOR MORE INFORMATION.

BASEMENT LEVEL - NEW LIGHT FIXTURES (LABOR AND MATERIAL)

IN NEW SERVICE ROOM G2A AND NEW SERVICE ROOM G2B.

REFER TO ELECTRICAL DRAWINGS FOR MORE INFORMATION.

ADD/ALT. G-3: FIRST FLOOR - NEW LIGHT FIXTURES (LABOR AND MATERIAL) IN

CORRIDOR 100A, PLTW CLASSROOM 113, LIBRARY 114, LIBRARIAN

OFFICE 114C AND PLTW CLASSROM 115. REFER TO ELECTRICAL

- THE CONTRACTOR SHALL DISPOSE OF ALL UNWANTED MATERIALS AND CONSTRUCTION DEBRIS OFF SITE IN ACCORDANCE WITH CONTRACT DOCUMENTS.
- CONTRACTOR SHALL TAKE CARE NOT TO DAMAGE ADJOINING SURFACES AND FINISHES DURING DEMOLITION. ALL AFFECTED SURFACES SHALL BE PATCHED AND PAINTED TO MATCH EXISTING.
- OVER-DEMOLITION SHALL BE ALLOWED PROVIDING THAT ALL SURFACES BE REBUILT TO MATCH MATERIALS, STRUCTURAL INTEGRITY AND APPEARANCE OF THOSE THAT WERE REMOVED AND IN CONFORMANCE WITH CONTRACT DOCUMENTS AND AT NO ADDITIONAL COST TO THE DISTRICT.
- CONTRACTOR SHALL PROTECT AND MAKE WEATHER TIGHT ALL EXTERIOR OPENINGS EXPOSED AS A PART OF THE DEMOLITION.
- CONTRACTOR SHALL PROTECT AND MAINTAIN EXISTING DOORS AND FRAMES TO REMAIN, AS REQUIRED THROUGHOUT COURSE OF WORK, INCLUDING ALL RELATED HARDWARE AND ACCESSORIES.
- 10. CONTRACTOR SHALL PROTECT AND MAINTAIN ALL EXISTING WALL-MOUNTED ITEMS INCLUDING BUT NOT LIMITED TO FIRE ALARM SYSTEM DEVICES, LIGHTING CONTROLS AND HVAC CONTROLS, UNLESS OTHERWISE NOTED.
- 11. CONTRACTOR SHALL BE RESPONSIBLE TO WIPE DOWN AND CLEAN ALL ROOMS WHERE WORK IS BEING DONE UPON COMPLETION OF THE PROJECT.
- 12. THE USE OF OPEN CHUTES SHALL NOT BE PERMITTED.
- 13. THE CONTRACTOR SHALL TAKE CARE NOT TO DAMAGE PARKING LOT PAVING, CONCRETE SIDEWALKS, LANDSCAPING, GRASS AREAS AND EXTERIOR FINISHES. ANY DAMAGED AREAS SHALL BE RESTORED TO EXISTING CONDITION BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE DISTRICT.
- 14. THE DRAWINGS ARE A GENERAL LIST OF DEMOLITION ITEMS AND DO NOT LIST EVERY ITEM REQUIRED FOR DEMOLITION. CONTRACTOR SHALL PROVIDE ALL DEMOLITION REQUIRED TO PERFORM THE WORK INDICATED WITHIN THE PROJECT DRAWINGS AND SPECIFICATIONS AND TO PREPARE ALL AREAS FOR
- THE CONSTRUCTION WORK. 15. THE CONTRACTOR SHALL PROVIDE WEATHER TIGHT PLYWOOD ENCLOSURES FOR ALL OPENINGS AS REQUIRED TO MAINTAIN WEATHER TIGHT BUILDING FOR ENTIRE DURATION OF PROJECT.
- 16. CONTRACTOR SHALL REPAIR ALL GLASS TO RECEIVE SECURITY FILM. SEE NEW WORK SHEETS FOR ADDITIONAL INFORMATION.

DEMOLITION LEGEND: (NOT ALL NOTES USED ON EACH SHEET)

000 ± S.F.

ROOM NUMBER DESIGNATION TAG

DEMO KEY NOTE - SEE DRAWINGS D1.0 FOR DEMO KEY NOTES

EXISTING DOOR TO REMAIN

EXISTING DOOR TO BE REMOVED AND LEGALLY DISPOSED OF

-----EXISTING WALL TO BE REMOVED _____

EXISTING WALL TO REMAIN

Œ≡≡≡∃

CARPET FLOORING TO BE REMOVED

VCT FLOORING & ASBESTOS

CONTAINING MASTIC TO BE ABATED

EXISTING WINDOW TO REMAIN

EXISTING WINDOW TO BE REMOVED AND LEGALLY DISPOSED OF

EXISTING ABOVE TO REMAIN, U.O.N.

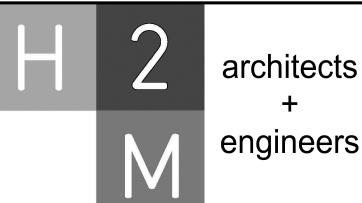
SINK & ASBESTOS CONTAINING UNDERCOATING TO BE ABATED (TYPICAL FOR KEYNOTE 4)

DEMO KEY NOTES (NOT ALL NOTES USED ON EACH SHEET)

- 1 CONTRACTOR SHALL REMOVE AND DISPOSE OF EXISTING MOVABLE PARTITION, CEILING AND FLOOR TRACKS, AND HARDWARE. REMOVAL SHALL INCLUDE BUT NOT BE LIMITED TO ALL DEVICES USED TO SECURE MOVABLE PARTITION IN PLACE.
- 2 CONTRACTOR SHALL REMOVE AND DISPOSE OF EXISTING DOOR, FRAME, SADDLE AND HARDWARE. REMOVAL SHALL INCLUDE BUT NOT BE LIMITED TO ALL DEVICES USED TO SECURE DOOR AND FRAME IN PLACE.
- 3 CONTRACTOR SHALL REMOVE AND DISPOSE OF EXISTING CASEWORK. REMOVAL SHALL INCLUDE BUT NOT BE LIMITED TO CASEWORK, BLOCKING AND ALL ASSOCIATED CONSTRUCTION USED TO SECURE CASEWORK IN PLACE. WHERE APPLICABLE, REFER TO DEMOLITION PLUMBING NOTES FOR REMOVAL OF ALL ASSOCIATED PIPES AND FIXTURES.
- 4 CONTRACTOR SHALL REMOVE AND LEGALLY DISPOSE OF EXISTING SINK. SINK UNDERCOATING HAS BEEN DETERMINED TO CONTAIN ASBESTOS. REFER TO SPECIFICATION SECTION 028000 AND APPENDIX 'A' ENVIRONMENTAL REPORT FOR ADDITIONAL INFORMATION. REFER TO DEMOLITION 'P' DRAWINGS FOR MORE INFORMATION REGARDING REMOVAL OR MODIFICATION OF ASSOCIATED PIPES AND FIXTURES.
- 5 CONTRACTOR SHALL REMOVE, STORE AND PROTECT EXISTING CASEWORK FOR INSTALLATION OF NEW FLOORING. ANY CASEWORK DAMAGED SHALL BE REPLACED IN KIND AT NO ADDITIONAL COST TO THE DISTRICT.
- 6 CONTRACTOR SHALL REMOVE PORTION EXIST, CMU INFILL WALL. REFER TO 1/A1.1 FOR MORE INFORMATION. PROVIDE TEMPORARY SHORING AS REQ'D. 7 CONTRACTOR SHALL REMOVE AND LEGALLY DISPOSE OF EXISTING CONTAMINATED FLOORING AND ASSOCIATED ASBESTOS CONTAINING MASTIC. REMOVAL TO INCLUDE, BUT IS NOT LIMITED TO COVE BASE AND ALL ADHESIVES, FASTENERS AND UNDERLAYMENT USED TO SECURE THE FLOORING
- AND COVE BASE IN PLACE. REFER TO SPECIFICATION SECTION 028000 AND APPENDIX 'A' ENVIRONMENTAL REPORT. 8 CONTRACTOR SHALL REMOVE AND DISPOSE OF EXISTING CARPET FLOORING INCLUDING, BUT NOT LIMITED TO COVE BASE AND ALL ADHESIVES,
- FASTENERS AND UNDERLAYMENT USED TO SECURE THE FLOORING AND COVE BASE IN PLACE. 9 CONTRACTOR SHALL REMOVE EXISTING POWER POLES. REFER TO DEMOLITION 'E' DRAWINGS FOR MORE INFORMATION REGARDING REMOVAL OF ALL
- ASSOCIATED COMPONENTS. 10 CONTRACTOR SHALL DISCONNECT, REMOVE, STORE AND PROTECT EXISTING UNIT VENTILATOR FOR INSTALLATION OF NEW FLOORING.
- 11 CONTRACTOR SHALL REMOVE AND DISPOSE OF EXISTING CEILING ASSEMBLY INCLUDING, BUT NOT LIMITED TO CEILING TILES, GRID, RUNNERS, CROSS TEES, FURRING STRIPS, WALL ANGLE TRIM, HANGER WIRE, TIES AND ALL DEVICES USED TO SECURE THE CEILING IN PLACE. CONTRACTOR SHALL REMOVE EXISTING LIGHT FIXTURES. REFER TO 'E' DEMOLITION DRAWINGS FOR ADDITIONAL INFORMATION REGARDING REMOVAL OF ALL ASSOCIATED
- 12 CONTRACTOR SHALL REMOVE CEILING MOUNTED PROJECTOR AND RETURN TO DISTRICT. REFER TO 'E' DEMOLITION DRAWINGS FOR ADDITIONAL
- INFORMATION REGARDING REMOVAL OF ALL ASSOCIATED COMPONENTS. 13 CONTRACTOR SHALL REMOVE EXISTING CLOCK AND PA FIXTURE AND RETURN TO DISTRICT. REFER TO 'E' DEMOLITION DRAWINGS FOR ADDITIONAL
- INFORMATION REGARDING REMOVAL OF ALL ASSOCIATED COMPONENTS.
- 14 SAW CUT EXISTING CONCRETE SLAB FOR NEW SINK. REFER TO PLUMBING DRAWINGS.
- 15 CONTRACTOR SHALL REMOVE PORTION OF EXISTING WALL TO ACCOMMODATE NEW DOOR. [16] CONTRACTOR SHALL REMOVE EXISTING INTERACTIVE DISPLAY BOARD AND RETURN TO DISTRICT. REFER TO 'E' DEMOLITION DRAWINGS FOR
- ADDITIONAL INFORMATION REGARDING REMOVAL OF ALL ASSOCIATED COMPONENTS. 17 EXISTING CASEWORK TO REMAIN. CONTRACTOR SHALL TAKE PROPER PROTECTION MEASURES TO ENSURE CASEWORK IS NOT DAMAGED THROUGHOUT
- **DEMOLITION AND CONSTRUCTION.** 18 CONTRACTOR SHALL REMOVE EXISTING LINEAR PENDANT LIGHTS AND RETURN TO DISTRICT. REFER TO 'E' DEMOLITION DRAWINGS FOR ADDITIONAL INFORMATION REGARDING REMOVAL OF ALL ASSOCIATED COMPONENTS.
- 19 EXISTING STRUCTURAL STEEL COLUMN TO REMAIN.
- 20 EXISTING SOFFIT AND, IF APPLICABLE, ANY EXISTING REGISTERS LOCATED IN SOFFIT TO REMAIN. CONTRACTOR SHALL TAKE PROPER PROTECTION MEASURES TO ENSURE SOFFIT AND REGISTER ARE NOT DAMAGED THROUGHOUT DEMOLITION AND CONSTRUCTION.
- 21 CONTRACTOR SHALL CAREFULLY REMOVE, PROTECT AND STORE EXISTING CEILING TILE FOR REINSTALLATION (REFER TO 1/A1.0 FOR MORE INFORMATION) CONTRACTOR SHALL TAKE PROPER PROTECTION MEASURES TO ENSURE ALL UNMODIFIED PORTIONS OF CEILING ASSEMBLY ARE NOT DAMAGED THROUGHOUT DEMOLITION AND CONSTRUCTION.
- 22 EXISTING TILE FLOORING TO REMAIN, U.O.N. CONTRACTOR TO REMOVE EXISTING TILE FLOORING AS REQUIRED TO INSTALL NEW DOORS (REFER TO A1.1) CONTRACTOR SHALL TAKE PROPER PROTECTION MEASURES TO ENSURE FLOORING IS NOT DAMAGED THROUGHOUT DEMOLITION AND CONSTRUCTION.
- 23 CONTRACTOR SHALL REMOVE EXISTING PHONE AND THERMOSTAT. REFER TO 'E' DEMOLITION DRAWINGS FOR ADDITIONAL INFORMATION REGARDING REMOVAL OF ALL ASSOCIATED COMPONENTS.
- 24 CONTRACTOR SHALL REMOVE EXISTING WALL MOUNTED PAPER TOWEL DISPENSER.
- 25 CONTRACTOR SHALL REMOVE AND DISPOSE OF EXISTING WALL MOUNTED WOOD TRIM AND PINUP RAILS.
- 26 CONTRACTOR SHALL REMOVE EXISTING TRANSITION STRIP.
- 27 CONTRACTOR SHALL REMOVE AND DISPOSE OF EXISTING COUNTERTOP.
- 28 CONTRACTOR SHALL REMOVE, STORE AND PROTECT EXISTING MOVABLE PARTITION FOR INSTALLATION OF NEW FLOORING. IF DAMAGED IT SHALL BE REPLACED IN KIND AT NO COST TO THE DISTRICT.
- 29 DISTRICT SHALL REMOVE AND DISPOSE OF EXISTING CASEWORK. REMOVAL SHALL INCLUDE BUT NOT BE LIMITED TO CASEWORK, BLOCKING AND ALL ASSOCIATED CONSTRUCTION USED TO SECURE CASEWORK IN PLACE.
- 30 CONTRACTOR SHALL REMOVE EXISTING CMU INFILL WALL ABOVE EXISTING DOORS. 31 EXISTING TERRAZZO FLOORING TO REMAIN. CONTRACTOR SHALL TAKE PROPER PROTECTION MEASURES TO ENSURE FLOORING IS NOT DAMAGED
- THROUGHOUT DEMOLITION AND CONSTRUCTION.
- 32 EXISTING WINDOW AC UNIT TO REMAIN. 33 EXISTING CMU WALL TO REMAIN
- 34 EXISTING EQUIP. TO REMAIN
- 35 EXISTING IN-WALL HEATER TO REMAIN
- 36 EXISTING SHELVING TO BE REMOVED BY DISTRICT.
- 37 EXISTING CABINET HEATER ABOVE TO REMAIN
- 38 EXISTING PIPE TO REMAIN
- 39 EXISTING SOAP DISPENSER AND PAPER TOWEL DISPENSER TO BE CAREFULLY REMOVED AND SAVED FOR REINSTALLATION.

ASBESTOS ABATEMENT NOTES

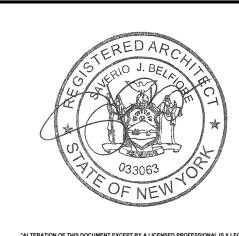
- ASBESTOS ABATEMENT WORK SHALL CONFORM TO ALL APPLICABLE CODE REQUIREMENTS ALONG WITH SPECIFICATION SECTION 028200 AND INDUSTRIAL CODE RULE 56.
- DUE TO THE POTENTIAL FOR CONCEALED ASBESTOS CONTAINING MATERIALS (ACM) OR OTHER REGULATED MATERIALS, DRAWINGS ARE DIAGRAMMATIC ONLY AND MEANT TO CONVEY THE APPROX. LOCATION AND QUANTITIES OF ACM. REFER TO APPENDIX A OF THE PROJECT MANUAL FOR MORE INFORMATION. THE CONTRACTOR WILL BE RESPONSIBLE FOR CONDUCTING A COMPREHENSIVE REVIEW OF THE PREMISES BEFORE SUBMITTING A BID FOR THE WORK AND TO HAVE VERIFIED DIMENSIONS AND EXISTING CONDITIONS AS REQUIRED FOR THE ABATEMENT WORK.
- FOR LOCATIONS AND APPROX. QUANTITIES IDENTIFIED, SEE SPECIFICATION 028200 AND THE REPORT LOCATED IN 'APPENDIX A".
- THE CONTRACTOR SHALL BE RESPONSIBLE TO PERFORM PERSONAL AIR MONITORING ON ITS EMPLOYEES IN ACCORDANCE WITH OSHA
- THIRD PARTY PROJECT MONITORING AND AIR SAMPLING SHALL BE CONDUCTED BY A CONSULTANT FIRM HIRED DIRECTLY BY THE DISTRICT.
- THE CONTRACTOR SHALL BE RESPONSIBLE TO FILE FOR ALL PERMITS AND NOTIFY ALL REGULATORY AGENCIES AS REQUIRED FOR THE WORK AND PAY ALL FEES ASSOCIATED WITH SUCH.
- UPON COMPLETION OF THE DEMOLITION WORK, THE CONTRACTOR SHALL SUBMIT COPIES OF ALL WASTE MANIFEST LANDFILL RECEIPTS TO THE ARCHITECT AS PART OF THE REQUIRED CLOSEOUT DOCUMENTS.
- ALL OPENINGS AND PENETRATIONS INCLUDING, BUT NOT LIMITED TO, WINDOWS, DOORS, DUCTS, LOUVERS AND GRILLES WITHIN AREAS OF WORK SHALL BE COVERED WITH A MINIMUM OF TWO (2) LAYERS OF 6 MIL. PLASTIC.
- THE DISTRICT SHALL RELOCATE ALL NON-PERMANENT ITEMS SUCH AS TEACHERS' BELONGINGS, BOOKS AND ALL ITEMS WHICH CANNOT BE COVERED BY PLASTIC. ALL DESKS, FURNITURE AND REMOVABLE SHELVING WILL BE RELOCATED BY THE CONTRACTOR PRIOR TO ASBESTOS ABATEMENT. CONTRACTOR MUST COORDINATE ABATEMENT SCHEDULE WITH DISTRICT.



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CONSULTANTS:			

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Irvington Union Free School District

Dows Lane Elementary School Innovation Suite



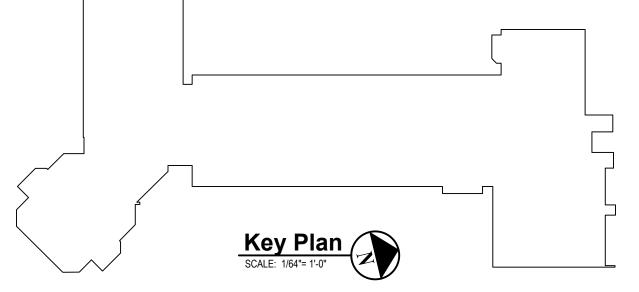
Dows Lane Elementary School 6 Dows Lane Irvington, NY 10533

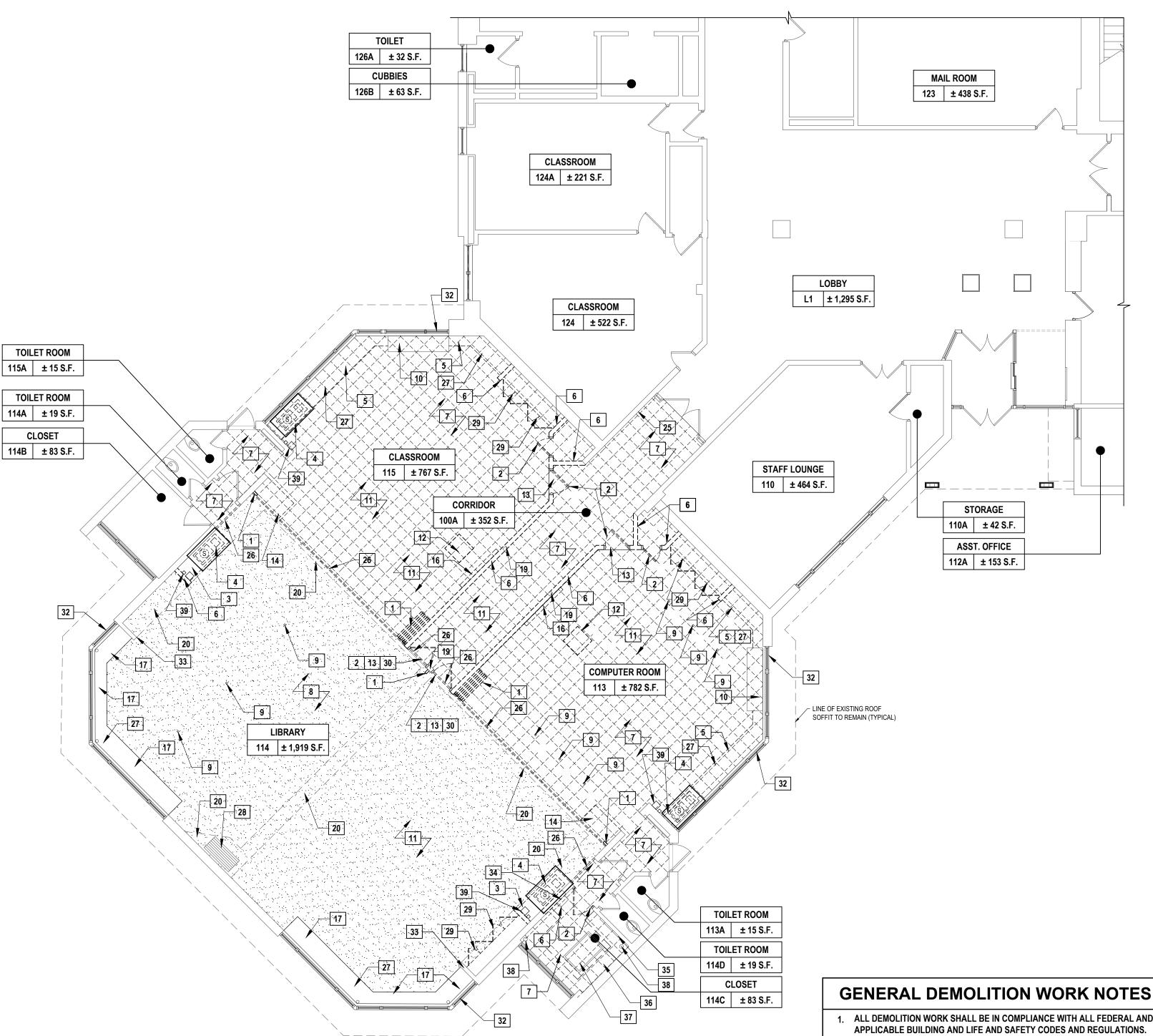
SED Number:66-04-02-02-0-002-021

CONTRACT G GENERAL CONSTRUCTION. **ELECTRICAL, PLUMBING AND ASBESTOS ABATEMENT WORK**

FINAL BID DOCUMENT

PARTIAL BASEMENT **DEMOLITION PLAN**





Partial First Floor Demolition Plan 🦳

- 1. ALL DEMOLITION WORK SHALL BE IN COMPLIANCE WITH ALL FEDERAL AND NEW YORK STATE
- 2. COORDINATE THE WORK OF THE DEMOLITION DRAWINGS WITH ALL CONSTRUCTION DRAWINGS AND
- 3. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND QUANTITIES OF ALL ITEMS TO BE REMOVED
- PRIOR TO START OF WORK.
- THE GENERAL WORK CONTRACTOR SHALL PROTECT ALL PORTIONS OF THE EXISTING BUILDING WHERE NEW WORK IS TO BE DONE FROM DUST, WEATHER INCLEMENCY AND FREEZING. PROVIDE DUST FREE BARRIER PARTITIONS DURING DEMOLITION TO PREVENT DEBRIS FROM ENTERING STUDENT AND FACULTY OCCUPIED AREAS. THE GENERAL WORK CONTRACTOR WILL BE HELD RESPONSIBLE FOR ANY DAMAGE TO THE EXISTING STRUCTURE OR BUILDING CONTENTS.
- THE CONTRACTOR SHALL DISPOSE OF ALL UNWANTED MATERIALS AND CONSTRUCTION DEBRIS OFF SITE IN ACCORDANCE WITH CONTRACT DOCUMENTS.
- 6. CONTRACTOR SHALL TAKE CARE NOT TO DAMAGE ADJOINING SURFACES AND FINISHES DURING DEMOLITION. ALL AFFECTED SURFACES SHALL BE PATCHED AND PAINTED TO MATCH EXISTING.
- OVER-DEMOLITION SHALL BE ALLOWED PROVIDING THAT ALL SURFACES BE REBUILT TO MATCH MATERIALS, STRUCTURAL INTEGRITY AND APPEARANCE OF THOSE THAT WERE REMOVED AND IN CONFORMANCE WITH CONTRACT DOCUMENTS AND AT NO ADDITIONAL COST TO THE DISTRICT.
- 8. CONTRACTOR SHALL PROTECT AND MAKE WEATHER TIGHT ALL EXTERIOR OPENINGS EXPOSED AS A PART OF THE DEMOLITION.
- 9. CONTRACTOR SHALL PROTECT AND MAINTAIN EXISTING DOORS AND FRAMES TO REMAIN, AS REQUIRED
- THROUGHOUT COURSE OF WORK, INCLUDING ALL RELATED HARDWARE AND ACCESSORIES. 10. CONTRACTOR SHALL PROTECT AND MAINTAIN ALL EXISTING WALL-MOUNTED ITEMS INCLUDING BUT NOT LIMITED TO FIRE ALARM SYSTEM DEVICES, LIGHTING CONTROLS AND HVAC CONTROLS, UNLESS
- 11. CONTRACTOR SHALL BE RESPONSIBLE TO WIPE DOWN AND CLEAN ALL ROOMS WHERE WORK IS BEING
- DONE UPON COMPLETION OF THE PROJECT. 12. THE USE OF OPEN CHUTES SHALL NOT BE PERMITTED.

OTHERWISE NOTED.

- 13. THE CONTRACTOR SHALL TAKE CARE NOT TO DAMAGE PARKING LOT PAVING, CONCRETE SIDEWALKS, LANDSCAPING, GRASS AREAS AND EXTERIOR FINISHES. ANY DAMAGED AREAS SHALL BE RESTORED TO EXISTING CONDITION BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE DISTRICT.
- 14. THE DRAWINGS ARE A GENERAL LIST OF DEMOLITION ITEMS AND DO NOT LIST EVERY ITEM REQUIRED FOR DEMOLITION. CONTRACTOR SHALL PROVIDE ALL DEMOLITION REQUIRED TO PERFORM THE WORK INDICATED WITHIN THE PROJECT DRAWINGS AND SPECIFICATIONS AND TO PREPARE ALL AREAS FOR THE CONSTRUCTION WORK.
- 15. THE CONTRACTOR SHALL PROVIDE WEATHER TIGHT PLYWOOD ENCLOSURES FOR ALL OPENINGS AS REQUIRED TO MAINTAIN WEATHER TIGHT BUILDING FOR ENTIRE DURATION OF PROJECT.
- 16. CONTRACTOR SHALL REPAIR ALL GLASS TO RECEIVE SECURITY FILM. SEE NEW WORK SHEETS FOR ADDITIONAL INFORMATION.

DEMOLITION LEGEND: (NOT ALL NOTES USED ON EACH SHEET)

DEMO KEY NOTES

ASSOCIATED COMPONENTS.

VCT FLOORING & ASBESTOS ROOM NUMBER DESIGNATION TAG CONTAINING MASTIC TO BE ABATED 000 ± S.F. DEMO KEY NOTE - SEE DRAWINGS CARPET FLOORING TO BE REMOVED D1.0 FOR DEMO KEY NOTES EXISTING WINDOW TO REMAIN EXISTING DOOR TO REMAIN EXISTING WINDOW TO BE REMOVED EXISTING DOOR TO BE REMOVED AND LEGALLY DISPOSED OF AND LEGALLY DISPOSED OF EXISTING ABOVE TO REMAIN, U.O.N. _____ EXISTING WALL TO REMAIN SINK & ASBESTOS CONTAINING UNDERCOATING EXISTING WALL TO BE REMOVED TO BE ABATED (TYPICAL FOR KEYNOTE 4)

(NOT ALL NOTES USED ON EACH SHEET)

DRAWINGS FOR MORE INFORMATION REGARDING REMOVAL OR MODIFICATION OF ASSOCIATED PIPES AND FIXTURES.

AND COVE BASE IN PLACE. REFER TO SPECIFICATION SECTION 028000 AND APPENDIX 'A' ENVIRONMENTAL REPORT

FASTENERS AND UNDERLAYMENT USED TO SECURE THE FLOORING AND COVE BASE IN PLACE.

INCLUDE BUT NOT BE LIMITED TO ALL DEVICES USED TO SECURE MOVABLE PARTITION IN PLACE.

ALL DEVICES USED TO SECURE DOOR AND FRAME IN PLACE.

BE REPLACED IN KIND AT NO ADDITIONAL COST TO THE DISTRICT.

INFORMATION REGARDING REMOVAL OF ALL ASSOCIATED COMPONENTS.

INFORMATION REGARDING REMOVAL OF ALL ASSOCIATED COMPONENTS.

INFORMATION REGARDING REMOVAL OF ALL ASSOCIATED COMPONENTS.

24 CONTRACTOR SHALL REMOVE EXISTING WALL MOUNTED PAPER TOWEL DISPENSER.

25 CONTRACTOR SHALL REMOVE AND DISPOSE OF EXISTING WALL MOUNTED WOOD TRIM AND PINUP RAILS.

NOT DAMAGED THROUGHOUT DEMOLITION AND CONSTRUCTION.

REGARDING REMOVAL OF ALL ASSOCIATED COMPONENTS.

26 CONTRACTOR SHALL REMOVE EXISTING TRANSITION STRIP.

BE REPLACED IN KIND AT NO COST TO THE DISTRICT.

THROUGHOUT DEMOLITION AND CONSTRUCTION.

36 EXISTING SHELVING TO BE REMOVED BY DISTRICT.

37 EXISTING CABINET HEATER ABOVE TO REMAIN

32 EXISTING WINDOW AC UNIT TO REMAIN.

35 EXISTING IN-WALL HEATER TO REMAIN

33 EXISTING CMU WALL TO REMAIN

34 EXISTING EQUIP. TO REMAIN

27 CONTRACTOR SHALL REMOVE AND DISPOSE OF EXISTING COUNTERTOP.

ALL ASSOCIATED CONSTRUCTION USED TO SECURE CASEWORK IN PLACE.

30 CONTRACTOR SHALL REMOVE EXISTING CMU INFILL WALL ABOVE EXISTING DOORS.

19 EXISTING STRUCTURAL STEEL COLUMN TO REMAIN

CONSTRUCTION.

14 SAW CUT EXISTING CONCRETE SLAB FOR NEW SINK. REFER TO PLUMBING DRAWINGS

15 CONTRACTOR SHALL REMOVE PORTION OF EXISTING WALL TO ACCOMMODATE NEW DOOR.

ADDITIONAL INFORMATION REGARDING REMOVAL OF ALL ASSOCIATED COMPONENTS.

REMOVAL OF ALL ASSOCIATED PIPES AND FIXTURES.

1 CONTRACTOR SHALL REMOVE AND DISPOSE OF EXISTING MOVABLE PARTITION, CEILING AND FLOOR TRACKS, AND HARDWARE. REMOVAL SHALL

4 CONTRACTOR SHALL REMOVE AND LEGALLY DISPOSE OF EXISTING SINK. SINK UNDERCOATING HAS BEEN DETERMINED TO CONTAIN ASBESTOS.

2 CONTRACTOR SHALL REMOVE AND DISPOSE OF EXISTING DOOR, FRAME, SADDLE AND HARDWARE. REMOVAL SHALL INCLUDE BUT NOT BE LIMITED TO

3 CONTRACTOR SHALL REMOVE AND DISPOSE OF EXISTING CASEWORK. REMOVAL SHALL INCLUDE BUT NOT BE LIMITED TO CASEWORK, BLOCKING AND ALL ASSOCIATED CONSTRUCTION USED TO SECURE CASEWORK IN PLACE. WHERE APPLICABLE, REFER TO DEMOLITION PLUMBING NOTES FOR

REFER TO SPECIFICATION SECTION 028000 AND APPENDIX 'A' ENVIRONMENTAL REPORT FOR ADDITIONAL INFORMATION. REFER TO DEMOLITION 'P'

5 CONTRACTOR SHALL REMOVE, STORE AND PROTECT EXISTING CASEWORK FOR INSTALLATION OF NEW FLOORING. ANY CASEWORK DAMAGED SHALL

6 CONTRACTOR SHALL REMOVE PORTION EXIST, CMU INFILL WALL. REFER TO 1/A1.1 FOR MORE INFORMATION. PROVIDE TEMPORARY SHORING AS REQ'D.

REMOVAL TO INCLUDE, BUT IS NOT LIMITED TO COVE BASE AND ALL ADHESIVES, FASTENERS AND UNDERLAYMENT USED TO SECURE THE FLOORING

9 CONTRACTOR SHALL REMOVE EXISTING POWER POLES. REFER TO DEMOLITION 'E' DRAWINGS FOR MORE INFORMATION REGARDING REMOVAL OF ALL

|11| CONTRACTOR SHALL REMOVE AND DISPOSE OF EXISTING CEILING ASSEMBLY INCLUDING, BUT NOT LIMITED TO CEILING TILES, GRID, RUNNERS, CROSS

TEES, FURRING STRIPS, WALL ANGLE TRIM, HANGER WIRE, TIES AND ALL DEVICES USED TO SECURE THE CEILING IN PLACE. CONTRACTOR SHALL

12 CONTRACTOR SHALL REMOVE CEILING MOUNTED PROJECTOR AND RETURN TO DISTRICT. REFER TO 'E' DEMOLITION DRAWINGS FOR ADDITIONAL

16 CONTRACTOR SHALL REMOVE EXISTING INTERACTIVE DISPLAY BOARD AND RETURN TO DISTRICT. REFER TO 'E' DEMOLITION DRAWINGS FOR

13 CONTRACTOR SHALL REMOVE EXISTING CLOCK AND PA FIXTURE AND RETURN TO DISTRICT. REFER TO 'E' DEMOLITION DRAWINGS FOR ADDITIONAL

17 EXISTING CASEWORK TO REMAIN. CONTRACTOR SHALL TAKE PROPER PROTECTION MEASURES TO ENSURE CASEWORK IS NOT DAMAGED THROUGHOUT

18 CONTRACTOR SHALL REMOVE EXISTING LINEAR PENDANT LIGHTS AND RETURN TO DISTRICT. REFER TO 'E' DEMOLITION DRAWINGS FOR ADDITIONAL

20 EXISTING SOFFIT AND, IF APPLICABLE, ANY EXISTING REGISTERS LOCATED IN SOFFIT TO REMAIN. CONTRACTOR SHALL TAKE PROPER PROTECTION

INFORMATION) CONTRACTOR SHALL TAKE PROPER PROTECTION MEASURES TO ENSURE ALL UNMODIFIED PORTIONS OF CEILING ASSEMBLY ARE

22 EXISTING TILE FLOORING TO REMAIN, U.O.N. CONTRACTOR TO REMOVE EXISTING TILE FLOORING AS REQUIRED TO INSTALL NEW DOORS (REFER TO

A1.1) CONTRACTOR SHALL TAKE PROPER PROTECTION MEASURES TO ENSURE FLOORING IS NOT DAMAGED THROUGHOUT DEMOLITION AND

28 CONTRACTOR SHALL REMOVE, STORE AND PROTECT EXISTING MOVABLE PARTITION FOR INSTALLATION OF NEW FLOORING. IF DAMAGED IT SHALL

29 DISTRICT SHALL REMOVE AND DISPOSE OF EXISTING CASEWORK. REMOVAL SHALL INCLUDE BUT NOT BE LIMITED TO CASEWORK, BLOCKING AND

31 EXISTING TERRAZZO FLOORING TO REMAIN. CONTRACTOR SHALL TAKE PROPER PROTECTION MEASURES TO ENSURE FLOORING IS NOT DAMAGED

23 CONTRACTOR SHALL REMOVE EXISTING PHONE AND THERMOSTAT. REFER TO 'E' DEMOLITION DRAWINGS FOR ADDITIONAL INFORMATION

21 CONTRACTOR SHALL CAREFULLY REMOVE. PROTECT AND STORE EXISTING CEILING TILE FOR REINSTALLATION (REFER TO 1/A1.0 FOR MORE

MEASURES TO ENSURE SOFFIT AND REGISTER ARE NOT DAMAGED THROUGHOUT DEMOLITION AND CONSTRUCTION.

REMOVE EXISTING LIGHT FIXTURES. REFER TO 'E' DEMOLITION DRAWINGS FOR ADDITIONAL INFORMATION REGARDING REMOVAL OF ALL ASSOCIATED

7 CONTRACTOR SHALL REMOVE AND LEGALLY DISPOSE OF EXISTING CONTAMINATED FLOORING AND ASSOCIATED ASBESTOS CONTAINING MASTIC.

8 CONTRACTOR SHALL REMOVE AND DISPOSE OF EXISTING CARPET FLOORING INCLUDING, BUT NOT LIMITED TO COVE BASE AND ALL ADHESIVES,

10 CONTRACTOR SHALL DISCONNECT, REMOVE, STORE AND PROTECT EXISTING UNIT VENTILATOR FOR INSTALLATION OF NEW FLOORING.

engineers

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ONSULTANTS:

DATE	DESCRIPTION
11/18/2021	FINAL BID DOCUMENT



BEK BSP JMS NOVEMBER 2021 AS SHOWN

Irvington Union Free School District

Dows Lane Elementary School Innovation Suite



Dows Lane Elementary School 6 Dows Lane Irvington, NY 10533

SED Number:66-04-02-02-0-002-021

CONTRACT G **GENERAL CONSTRUCTION. ELECTRICAL, PLUMBING AND ASBESTOS ABATEMENT WORK**

FINAL BID DOCUMENT

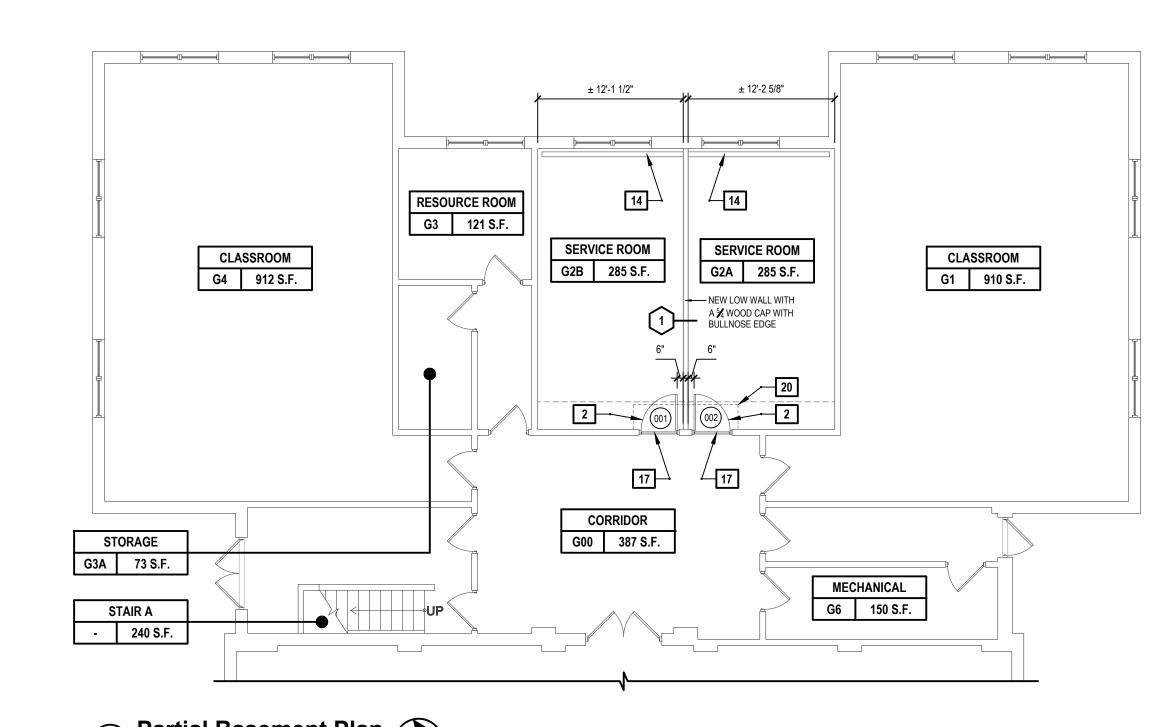
PARTIAL FIRST FLOOR **DEMOLITION PLAN**

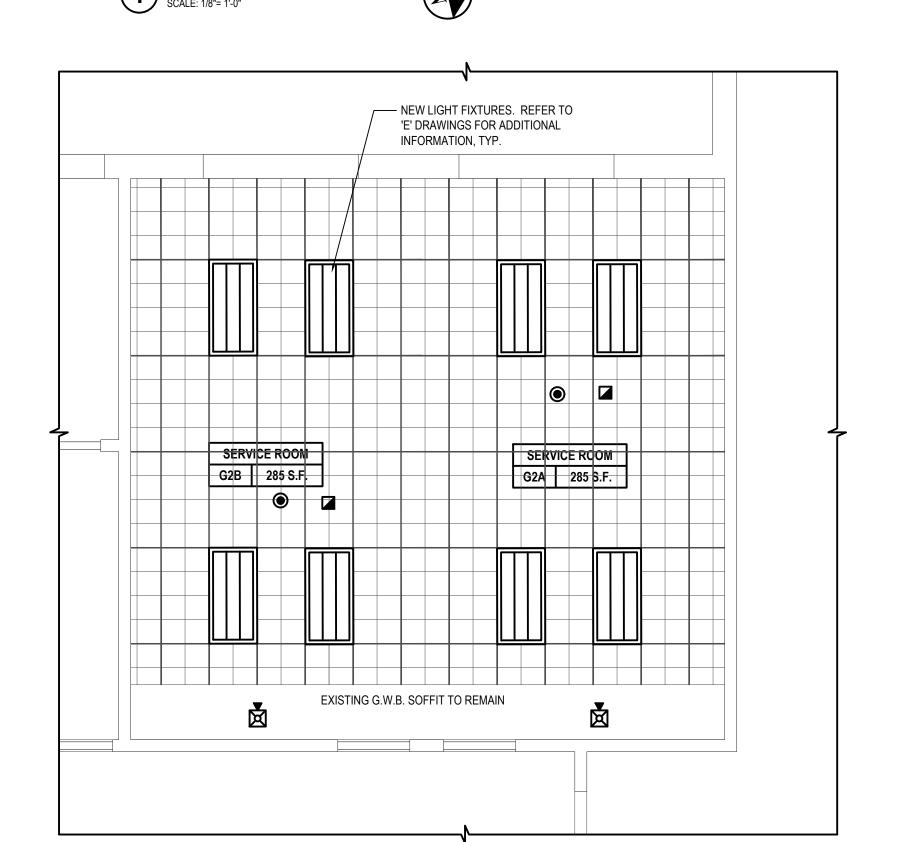
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38 EXISTING PIPE TO REMAIN 39 EXISTING SOAP DISPENSER AND PAPER TOWEL DISPENSER TO BE CAREFULLY REMOVED AND SAVED FOR REINSTALLATION. **ASBESTOS ABATEMENT NOTES** ASBESTOS ABATEMENT WORK SHALL CONFORM TO ALL APPLICABLE CODE REQUIREMENTS ALONG WITH SPECIFICATION SECTION 028200 AND INDUSTRIAL CODE RULE 56. DUE TO THE POTENTIAL FOR CONCEALED ASBESTOS CONTAINING MATERIALS (ACM) OR OTHER REGULATED MATERIALS, DRAWINGS ARE DIAGRAMMATIC ONLY AND MEANT TO CONVEY THE APPROX. LOCATION AND QUANTITIES OF ACM. REFER TO APPENDIX A OF THE PROJECT MANUAL FOR MORE INFORMATION. THE CONTRACTOR WILL BE RESPONSIBLE FOR CONDUCTING A COMPREHENSIVE REVIEW OF THE PREMISES BEFORE SUBMITTING A BID FOR THE WORK AND TO HAVE VERIFIED DIMENSIONS AND EXISTING CONDITIONS AS REQUIRED FOR THE ABATEMENT WORK. FOR LOCATIONS AND APPROX. QUANTITIES IDENTIFIED, SEE SPECIFICATION 028200 AND THE REPORT LOCATED IN 'APPENDIX A". THE CONTRACTOR SHALL BE RESPONSIBLE TO PERFORM PERSONAL AIR MONITORING ON ITS EMPLOYEES IN ACCORDANCE WITH OSHA 5. THIRD PARTY PROJECT MONITORING AND AIR SAMPLING SHALL BE CONDUCTED BY A CONSULTANT FIRM HIRED DIRECTLY BY THE DISTRICT. THE CONTRACTOR SHALL BE RESPONSIBLE TO FILE FOR ALL PERMITS AND NOTIFY ALL REGULATORY AGENCIES AS REQUIRED FOR THE WORK AND PAY ALL FEES ASSOCIATED WITH SUCH. UPON COMPLETION OF THE DEMOLITION WORK, THE CONTRACTOR SHALL SUBMIT COPIES OF ALL WASTE MANIFEST LANDFILL RECEIPTS TO THE ARCHITECT AS PART OF THE REQUIRED CLOSEOUT DOCUMENTS.

ALL OPENINGS AND PENETRATIONS INCLUDING, BUT NOT LIMITED TO, WINDOWS, DOORS, DUCTS, LOUVERS AND GRILLES WITHIN AREAS OF WORK SHALL BE COVERED WITH A MINIMUM OF TWO (2) LAYERS OF 6 MIL. PLASTIC.

THE DISTRICT SHALL RELOCATE ALL NON-PERMANENT ITEMS SUCH AS TEACHERS' BELONGINGS, BOOKS AND ALL ITEMS WHICH CANNOT BE COVERED BY PLASTIC. ALL DESKS, FURNITURE AND REMOVABLE SHELVING WILL BE RELOCATED BY THE CONTRACTOR PRIOR TO ASBESTOS ABATEMENT. CONTRACTOR MUST COORDINATE ABATEMENT SCHEDULE WITH DISTRICT.





Service Room RCP Plan

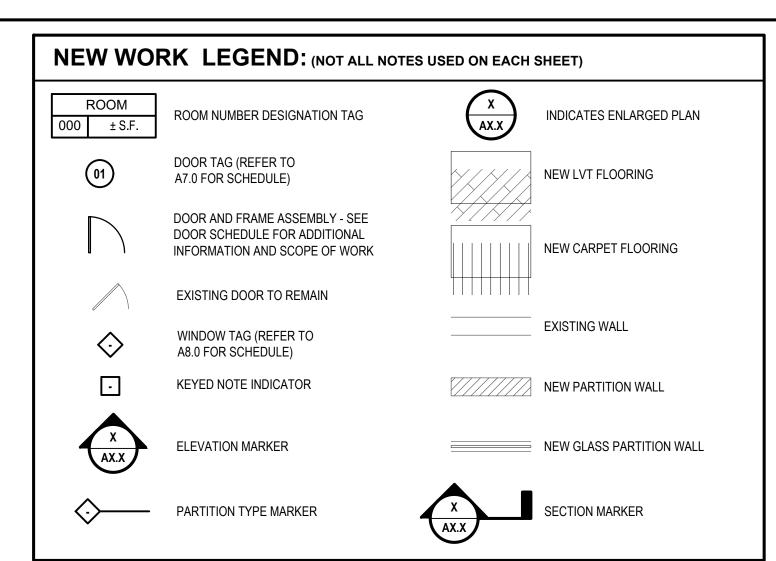
SCALE: 1/4"= 1'-0"

ADD/ALT. NOTES

ADD/ALT. G-1:
BASEMENT LEVEL - WORK RELATED TO EXISTING PLTW CLASSROOM G2, NEW SERVICE ROOM G2A AND NEW SERVICE ROOM G2B, EXCLUDING LIGHT FIXTURES (LABOR AND MATERIAL) REFER TO ELECTRICAL DRAWINGS FOR MORE INFORMATION.

ADD/ALT. G-2: BASEMENT LEVEL - NEW LIGHT FIXTURES (LABOR AND MATERIAL) IN NEW SERVICE ROOM G2A AND NEW SERVICE ROOM G2B. REFER TO ELECTRICAL DRAWINGS FOR MORE INFORMATION.

ADD/ALT. G-3: FIRST FLOOR - NEW LIGHT FIXTURES (LABOR AND MATERIAL) IN CORRIDOR 100A, PLTW CLASSROOM 113, LIBRARY 114, LIBRARIAN OFFICE 114C AND PLTW CLASSROM 115. REFER TO ELECTRICAL DRAWINGS FOR MORE INFORMATION.

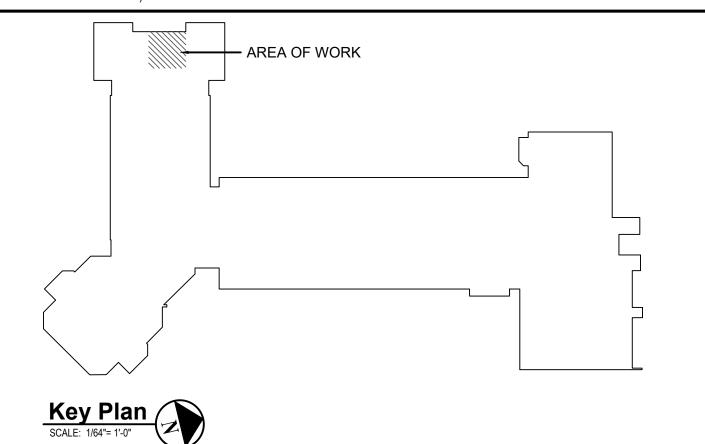


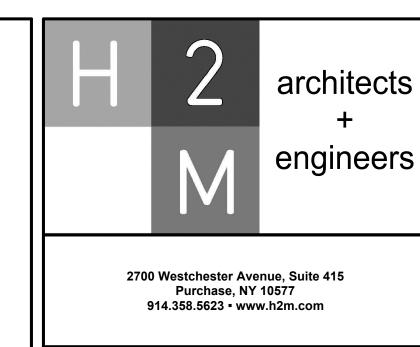
GENERAL WORK NOTES

- 1. SQUARE FOOTAGE, QUANTITIES AND LOCATIONS ARE APPROXIMATE. CONTRACTOR RESPONSIBLE FOR
- FIELD VERIFICATION.
- 2. ALL NEW AND EXISTING INTERIOR WALL SURFACES LOCATED WITHIN AREAS OF SCOPE OF WORK TO BE PATCHED AS REQUIRED. PRIMED AND PAINTED. COLORS T.B.D. BY DISTRICT.

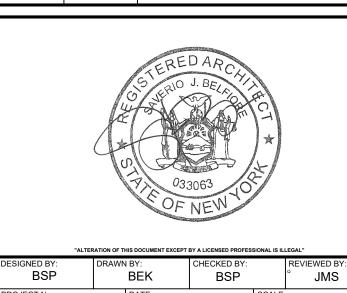
NEW WORK KEY NOTES (NOT ALL NOTES USED ON EACH SHEET)

- 1 CONTRACTOR TO REPAIR EXISTING WOOD SUB FLOOR OR FLOOR CRACKS IN EXISTING CONCRETE SLAB PER DETAIL 2/A1. AND LEVEL SLOPED FLOORS USING SELF-LEVELING COMPOUND TO ENSURE SUB FLOOR IMPERFECTIONS DO NOT TELEGRAPH THROUGH FINISH FLOOR. FLOORS SHALL BE SWEPT AND CLEAN OF ANY DEBRIS. CONTRACTOR TO PROVIDE AND INSTALL NEW LVT FLOORING OVER LEVELING COMPOUND AS DESCRIBED IN SPECIFICATION 096519 AND NEW COVE BASE. FLOOR TO BE LEVEL WITH EXISTING HALLWAY FLOOR. COLORS TO BE DETERMINED BY DISTRICT.
- 2 CONTRACTOR SHALL FURNISH AND INSTALL NEW DOOR AND FRAME INCLUDING, BUT NOT LIMITED TO NEW FINISH HARDWARE AND MODIFICATIONS TO EXISTING MATERIALS AND SURFACES AS REQUIRED FOR THE COMPLETE AND PROPER INSTALLATION OF ALL NEW WORK SHOWN. REFER TO SHEET A7.0 FOR SCHEDULE.
- 3 CONTRACTOR SHALL REINSTALL UNIT VENTILATOR REMOVED FOR FLOORING INSTALLATION. BALANCE UNIT AFTER
- 4 CONTRACTOR SHALL REINSTALL CASEWORK REMOVED FOR FLOORING INSTALLATION. REPAIR AS REQUIRED, SAND, PRIME AND PAINT. COLOR T.B.D. BY DISTRICT. PREPARE CASEWORK FOR INSTALLATION OF NEW LAMINATE COUNTERTOP. 5 INTERACTIVE DISPLAY BOARD TO BE FURNISHED AND MOUNTED TO WALL BY DISTRICT. CONTRACTOR TO PROVIDE BLOCKING AS REQUIRED. CONTRACTOR TO PROVIDE AND INSTALL ELECTRICAL COMPONENTS AS REQUIRED BY
- MANUFACTURER SPECIFICATIONS. REFER TO 'E' DRAWINGS FOR ADDITIONAL INFORMATION. CONTRACTOR SHALL REINSTALL MOVABLE PARTITION WALL REMOVED FOR FLOORING INSTALLATION. REPAIR AS REQUIRED INCLUDING, BUT NOT LIMITED TO EXISTING RUNNING GEAR, ROLLERS, PIVOT BEARINGS, GUIDE AND RUNNING TRACKS, ETC. TO ENSURE MOVABLE PARTITION IS FULLY FUNCTIONING.
- 7 CONTRACTOR SHALL PROVIDE AND INSTALL NEW SINK, WATER FOUNTAIN WHERE APPLICABLE AND ASSOCIATED FIXTURES REFER TO 'P' DRAWINGS FOR ADDITIONAL INFORMATION REGARDING INSTALLATION OF NEW OR MODIFICATION OF EXISTING
- 8 CONTRACTOR SHALL PROVIDE AND INSTALL FIRE RATED GLASS WALL ASSEMBLY. REFER TO SPECIFICATION 084113.16 FOR ADDITIONAL INFORMATION.
- 9 CONTRACTOR SHALL PROVIDE AND INSTALL SOLAR SHADE WINDOW TREATMENTS AS PER MANUFACTURER SPECIFICATIONS AT EXISTING WINDOWS. COLOR T.B.D. BY DISTRIC1.
- 10 CONTRACTOR TO REPAIR EXISTING WOOD SUB FLOOR OR CRACKS IN EXISTING CONCRETE SLAB PER DETAIL 2/A1.1 AND LEVEL SLOPED FLOORS USING SELF-LEVELING COMPOUND TO ENSURE SUB FLOOR IMPERFECTIONS DO NOT TELEGRAPH THROUGH FINISH FLOOR. FLOORS SHALL BE SWEPT AND CLEAN OF ANY DEBRIS. CONTRACTOR TO PROVIDE AND INSTALL NEW CARPET FLOORING AS DESCRIBED IN SPECIFICATION 096813 AND NEW COVE BASE. FLOOR TO BE LEVEL WITH EXISTING HALLWAY FLOOR. CONTRACTOR SHALL PROVIDE AND INSTALL THRESHOLD BETWEEN FLOORING TYPES. COLORS T.B.D. BY DISTRICT.
- 11 CONTRACTOR SHALL PROVIDE AND INSTALL NEW LAMINATE COUNTERTOP AS PER MANUFACTURER SPECIFICATIONS AT CASEWORK. COLOR AND/OR PATTERN T.B.D. BY DISTRICT.
- 12 CONTRACTOR SHALL PROVIDE AND INSTALL NEW PLASTIC LAMINATE UPPER CABINET WITH (1) ADJUSTABLE SHELF (TYP.) ABOVE DISTRICT PROVIDED AND INSTALLED BOOKSHELVES. REFER TO INTERIOR ELEVATION B/A4.0 FOR DIMENSIONS AND SPECIFICATION 064116 FOR ADDITIONAL INFORMATION.
- 13 CONTRACTOR TO PROVIDE AND INSTALL NEW LINTEL, INCLUDE REPLACEMENT AND REPOINTING OF ALL AFFECTED AND ADJACENT CMU IN AREA OF REPLACEMENT. REFER TO LINTEL SCHEDULE FOR ADDITIONAL INFORMATION.
- 14 CONTRACTOR SHALL MODIFY EXISTING RADIATOR FOR NEW PARTITION WALL AS REQUIRED. CUT BACK EXISTING FINS
- CONTRACTOR SHALL REPAIR EXISTING CASEWORK AS REQUIRED, SAND, PRIME AND PAINT. COLOR T.B.D. BY DISTRICT. PREPARE CASEWORK FOR INSTALLATION OF NEW LAMINATE COUNTERTOP.
- EXISTING STRUCTURAL STEEL POST TO REMAIN. PREPARE AS REQUIRED AND PER MANUFACTURER SPECIFICATIONS FOR CONNECTION TO FIRE RATED GLASS PARTITION WALL. REFER TO KEY NOTE 8 AND DETAIL 3/A3.0 FOR ADDITIONAL INFORMATION.
- CONTRACTOR SHALL PROVIDE NEW TRANSITION STRIP AS REQUIRED BY FLOORING SYSTEM. REFER TO DETAILS ON SHEET A7.0 FOR ADDITIONAL INFORMATION.
- CONTRACTOR SHALL PROVIDE AND INSTALL NEW CASEWORK. REFER TO INTERIOR ELEVATIONS ON SHEET A4.0 AND SPECIFICATION 064116 FOR ADDITIONAL INFORMATION.
- 19 EXISTING STRUCTURAL STEEL POST TO REMAIN. SEE DETAIL 3/A1.1 FOR ADDITIONAL INFORMATION.
- CONTRACTOR SHALL PROVIDE NEW VCT TILE TO MATCH EXISTING VCT TILE AFFECTED BY THE INSTALLATION OF THE NEW DOORS AND TRANSITION STRIPS ARE INSTALLED.
- CONTRACTOR SHALL PROVIDE 10" BULLNOSE CMU AT JAMBS OF NEW M.O. CONTRACTOR TO VERIFY EXISTING CMU SIZE PRIOR TO ORDER AND INSTALLATION.
- 22 REQUIRED ADA CLEAR FLOOR SPACE (30" x 48")
- 23 EXISTING AC UNIT TO REMAIN.
- 24 EXISTING SOAP DISPENSER AND PAPER TOWEL DISPENSER TO BE REINSTALLED (REFER TO INTERIOR ELEVATIONS FOR MORE INFORMATION)





MARK	DATE	DESCRIPTION
	11/18/2021	FINAL BID DOCUMENT



NOVEMBER 2021 | AS SHOWN IRSD2003 **Irvington Union Free**

School District

Dows Lane Elementary School Innovation Suite



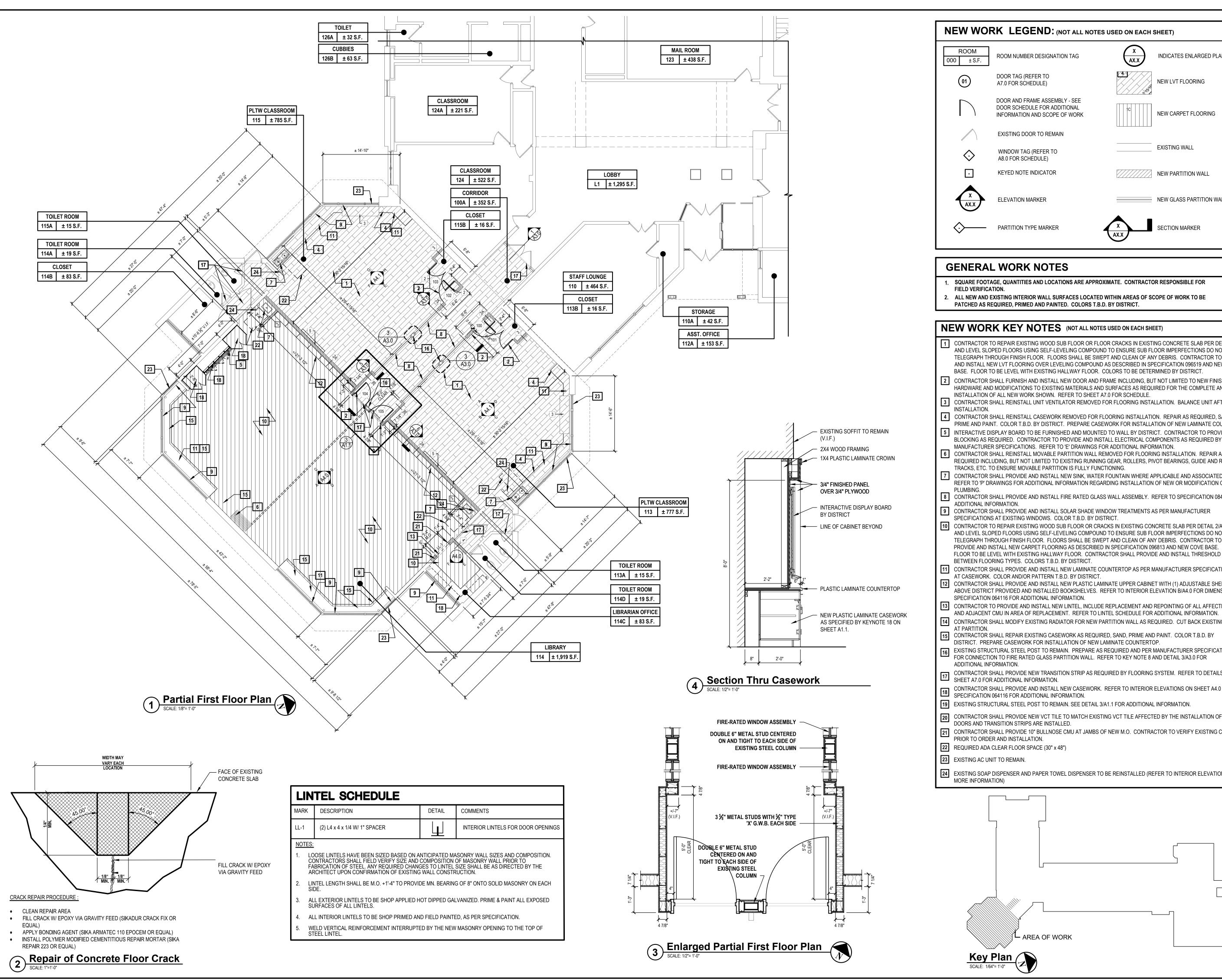
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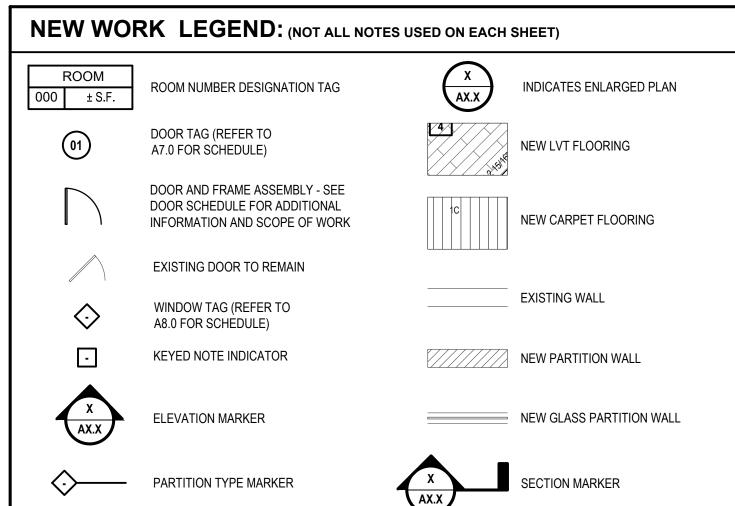
SED Number:66-04-02-02-0-002-021

CONTRACT G GENERAL CONSTRUCTION, **ELECTRICAL, PLUMBING AND ASBESTOS ABATEMENT WORK**

FINAL BID DOCUMENT

PARTIAL BASEMENT PLAN & SERVICE ROOM REFLECTED CEILING PLAN



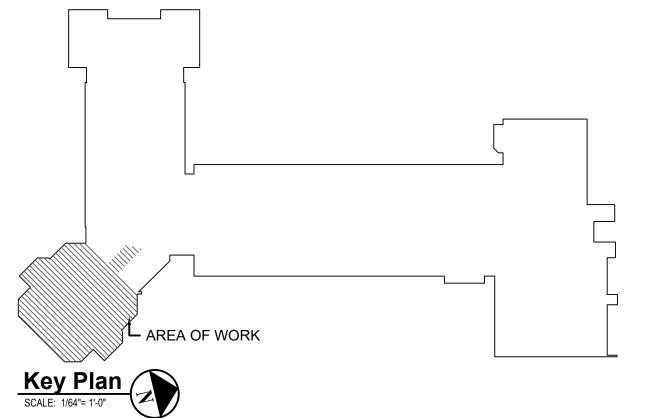


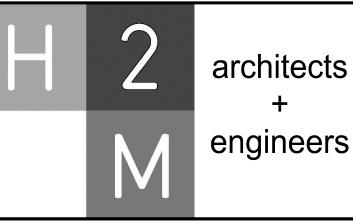
GENERAL WORK NOTES

- 1. SQUARE FOOTAGE, QUANTITIES AND LOCATIONS ARE APPROXIMATE. CONTRACTOR RESPONSIBLE FOR
- 2. ALL NEW AND EXISTING INTERIOR WALL SURFACES LOCATED WITHIN AREAS OF SCOPE OF WORK TO BE PATCHED AS REQUIRED, PRIMED AND PAINTED. COLORS T.B.D. BY DISTRICT.

NEW WORK KEY NOTES (NOT ALL NOTES USED ON EACH SHEET)

- 1 CONTRACTOR TO REPAIR EXISTING WOOD SUB FLOOR OR FLOOR CRACKS IN EXISTING CONCRETE SLAB PER DETAIL 2/A1.1 AND LEVEL SLOPED FLOORS USING SELF-LEVELING COMPOUND TO ENSURE SUB FLOOR IMPERFECTIONS DO NOT TELEGRAPH THROUGH FINISH FLOOR. FLOORS SHALL BE SWEPT AND CLEAN OF ANY DEBRIS. CONTRACTOR TO PROVIDE AND INSTALL NEW LVT FLOORING OVER LEVELING COMPOUND AS DESCRIBED IN SPECIFICATION 096519 AND NEW COVE BASE. FLOOR TO BE LEVEL WITH EXISTING HALLWAY FLOOR. COLORS TO BE DETERMINED BY DISTRICT
- INSTALLATION OF ALL NEW WORK SHOWN. REFER TO SHEET A7.0 FOR SCHEDULE
- 3 CONTRACTOR SHALL REINSTALL UNIT VENTILATOR REMOVED FOR FLOORING INSTALLATION. BALANCE UNIT AFTER
- 4 CONTRACTOR SHALL REINSTALL CASEWORK REMOVED FOR FLOORING INSTALLATION. REPAIR AS REQUIRED, SAND,
- 5 INTERACTIVE DISPLAY BOARD TO BE FURNISHED AND MOUNTED TO WALL BY DISTRICT. CONTRACTOR TO PROVIDE BLOCKING AS REQUIRED. CONTRACTOR TO PROVIDE AND INSTALL ELECTRICAL COMPONENTS AS REQUIRED BY
- REQUIRED INCLUDING, BUT NOT LIMITED TO EXISTING RUNNING GEAR, ROLLERS, PIVOT BEARINGS, GUIDE AND RUNNING TRACKS. ETC. TO ENSURE MOVABLE PARTITION IS FULLY FUNCTIONING. 7 CONTRACTOR SHALL PROVIDE AND INSTALL NEW SINK, WATER FOUNTAIN WHERE APPLICABLE AND ASSOCIATED FIXTURES.
- REFER TO 'P' DRAWINGS FOR ADDITIONAL INFORMATION REGARDING INSTALLATION OF NEW OR MODIFICATION OF EXISTING
- 8 CONTRACTOR SHALL PROVIDE AND INSTALL FIRE RATED GLASS WALL ASSEMBLY. REFER TO SPECIFICATION 084113.16 FOR ADDITIONAL INFORMATION.
- GONTRACTOR SHALL PROVIDE AND INSTALL SOLAR SHADE WINDOW TREATMENTS AS PER MANUFACTURER
- SPECIFICATIONS AT EXISTING WINDOWS. COLOR T.B.D. BY DISTRICT. 10 CONTRACTOR TO REPAIR EXISTING WOOD SUB FLOOR OR CRACKS IN EXISTING CONCRETE SLAB PER DETAIL 2/A1.1 AND LEVEL SLOPED FLOORS USING SELF-LEVELING COMPOUND TO ENSURE SUB FLOOR IMPERFECTIONS DO NOT TELEGRAPH THROUGH FINISH FLOOR. FLOORS SHALL BE SWEPT AND CLEAN OF ANY DEBRIS. CONTRACTOR TO PROVIDE AND INSTALL NEW CARPET FLOORING AS DESCRIBED IN SPECIFICATION 096813 AND NEW COVE BASE.
- BETWEEN FLOORING TYPES. COLORS T.B.D. BY DISTRICT. 11 CONTRACTOR SHALL PROVIDE AND INSTALL NEW LAMINATE COUNTERTOP AS PER MANUFACTURER SPECIFICATIONS
- AT CASEWORK. COLOR AND/OR PATTERN T.B.D. BY DISTRICT. CONTRACTOR SHALL PROVIDE AND INSTALL NEW PLASTIC LAMINATE UPPER CABINET WITH (1) ADJUSTABLE SHELF (TYP.) ABOVE DISTRICT PROVIDED AND INSTALLED BOOKSHELVES. REFER TO INTERIOR ELEVATION B/A4.0 FOR DIMENSIONS AND
- CONTRACTOR TO PROVIDE AND INSTALL NEW LINTEL, INCLUDE REPLACEMENT AND REPOINTING OF ALL AFFECTED
- AND ADJACENT CMU IN AREA OF REPLACEMENT. REFER TO LINTEL SCHEDULE FOR ADDITIONAL INFORMATION. CONTRACTOR SHALL MODIFY EXISTING RADIATOR FOR NEW PARTITION WALL AS REQUIRED. CUT BACK EXISTING FINS
- CONTRACTOR SHALL REPAIR EXISTING CASEWORK AS REQUIRED, SAND, PRIME AND PAINT. COLOR T.B.D. BY
- DISTRICT. PREPARE CASEWORK FOR INSTALLATION OF NEW LAMINATE COUNTERTOP. EXISTING STRUCTURAL STEEL POST TO REMAIN. PREPARE AS REQUIRED AND PER MANUFACTURER SPECIFICATIONS FOR CONNECTION TO FIRE RATED GLASS PARTITION WALL. REFER TO KEY NOTE 8 AND DETAIL 3/A3.0 FOR
- CONTRACTOR SHALL PROVIDE NEW TRANSITION STRIP AS REQUIRED BY FLOORING SYSTEM. REFER TO DETAILS ON
- SHEET A7.0 FOR ADDITIONAL INFORMATION.
- CONTRACTOR SHALL PROVIDE AND INSTALL NEW CASEWORK. REFER TO INTERIOR ELEVATIONS ON SHEET A4.0 AND SPECIFICATION 064116 FOR ADDITIONAL INFORMATION. 19 EXISTING STRUCTURAL STEEL POST TO REMAIN. SEE DETAIL 3/A1.1 FOR ADDITIONAL INFORMATION.
- CONTRACTOR SHALL PROVIDE NEW VCT TILE TO MATCH EXISTING VCT TILE AFFECTED BY THE INSTALLATION OF THE NEW
- DOORS AND TRANSITION STRIPS ARE INSTALLED.
- CONTRACTOR SHALL PROVIDE 10" BULLNOSE CMU AT JAMBS OF NEW M.O. CONTRACTOR TO VERIFY EXISTING CMU SIZE PRIOR TO ORDER AND INSTALLATION.
- 22 REQUIRED ADA CLEAR FLOOR SPACE (30" x 48")
- 23 EXISTING AC UNIT TO REMAIN.
- 24 EXISTING SOAP DISPENSER AND PAPER TOWEL DISPENSER TO BE REINSTALLED (REFER TO INTERIOR ELEVATIONS FOR MORE INFORMATION)

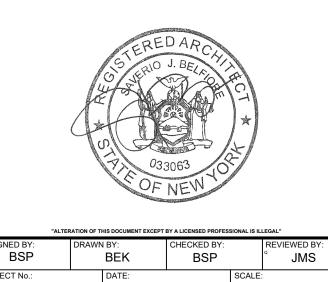




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SULTANTS:	

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BSP	BEK		BSP		JMS
ROJECT No.: IRSD2003		NOVEME	BER 2021	SCALE:	AS SHOV

Irvington Union Free School District

Dows Lane Elementary School Innovation Suite



Dows Lane Elementary School 6 Dows Lane Irvington, NY 10533

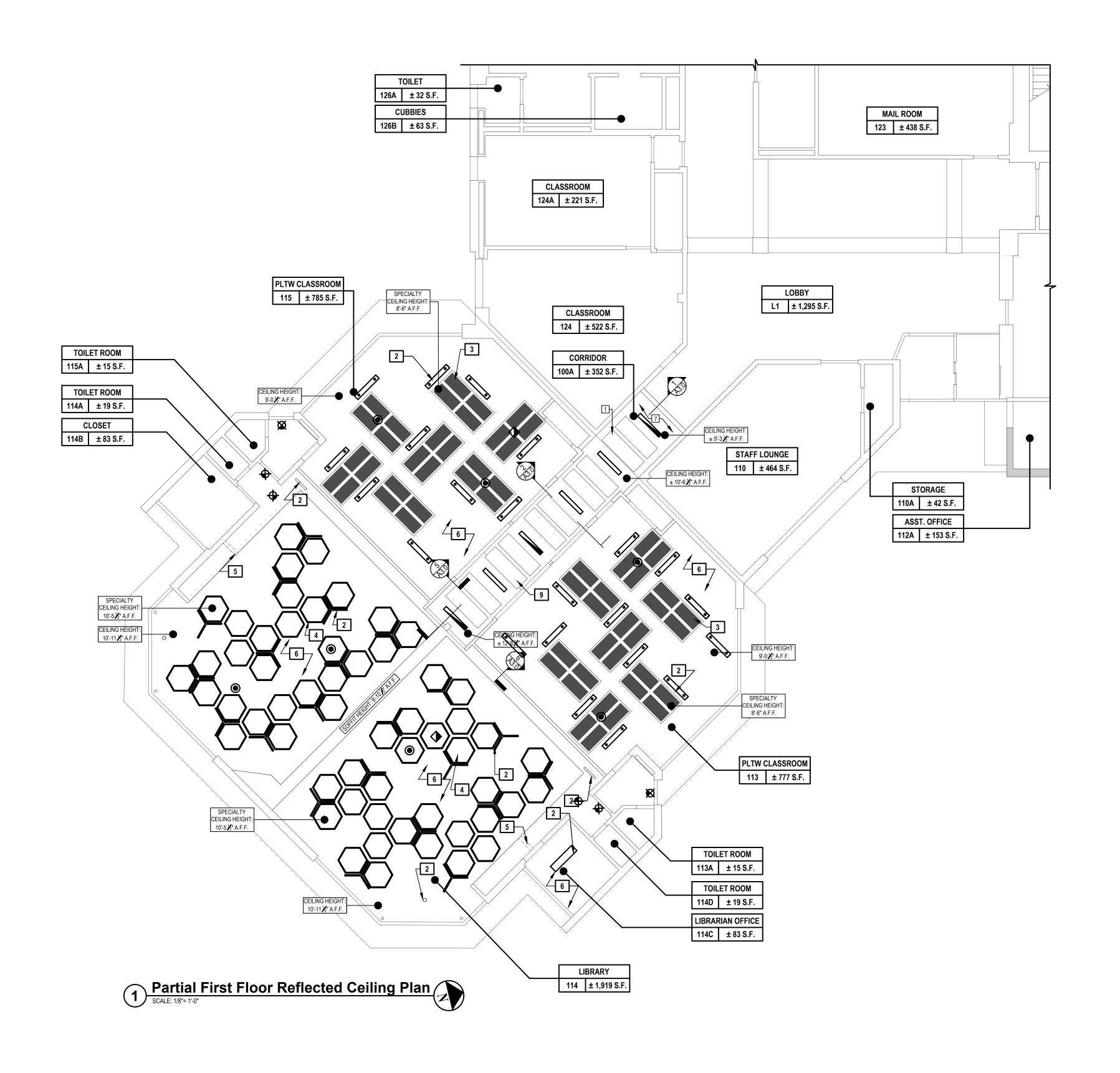
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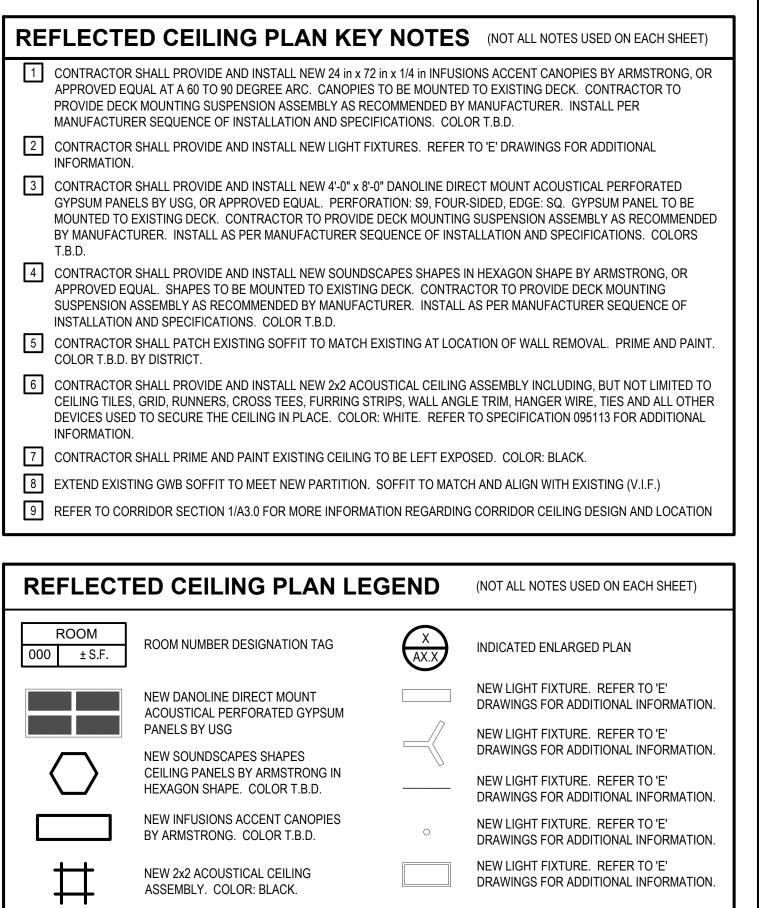
CONTRACT G GENERAL CONSTRUCTION, ELECTRICAL, PLUMBING AND ASBESTOS ABATEMENT WORK

FINAL BID DOCUMENT

PARTIAL FIRST FLOOR PLAN, **DETAILS, LINTEL SCHEDULE**

A1.1





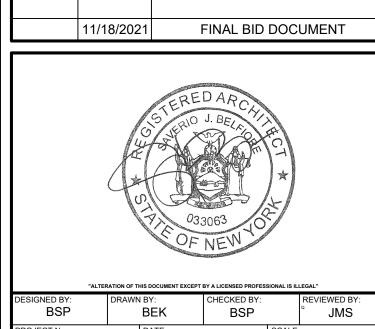
L AREA OF WORK

Key Plan
SCALE: 1/64"= 1'-0"



DESCRIPTION

MARK DATE



Irvington Union Free School District

NOVEMBER 2021 AS SHOWN

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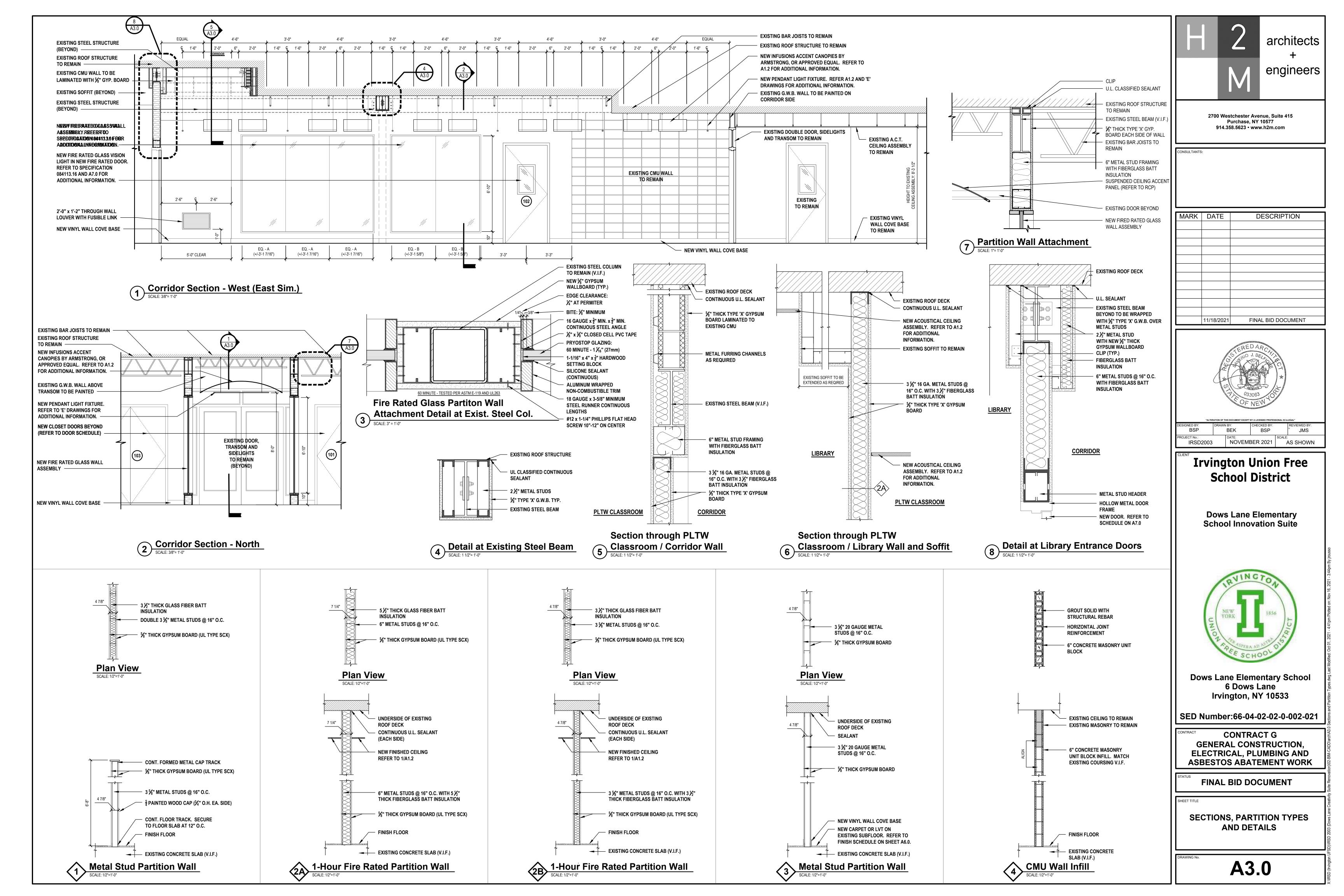
SED Number:66-04-02-02-0-002-021

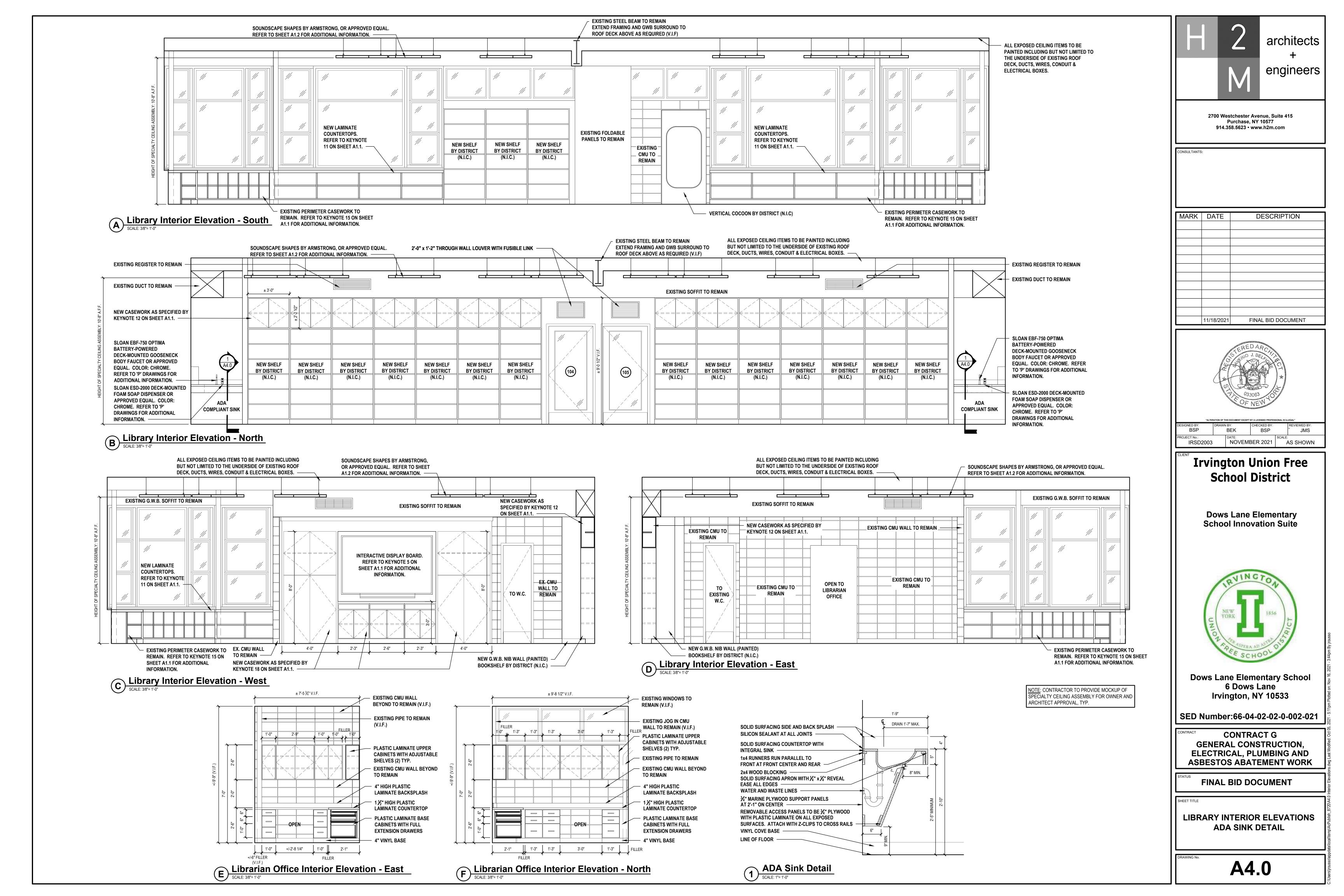
CONTRACT G **GENERAL CONSTRUCTION,** ELECTRICAL, PLUMBING AND ASBESTOS ABATEMENT WORK

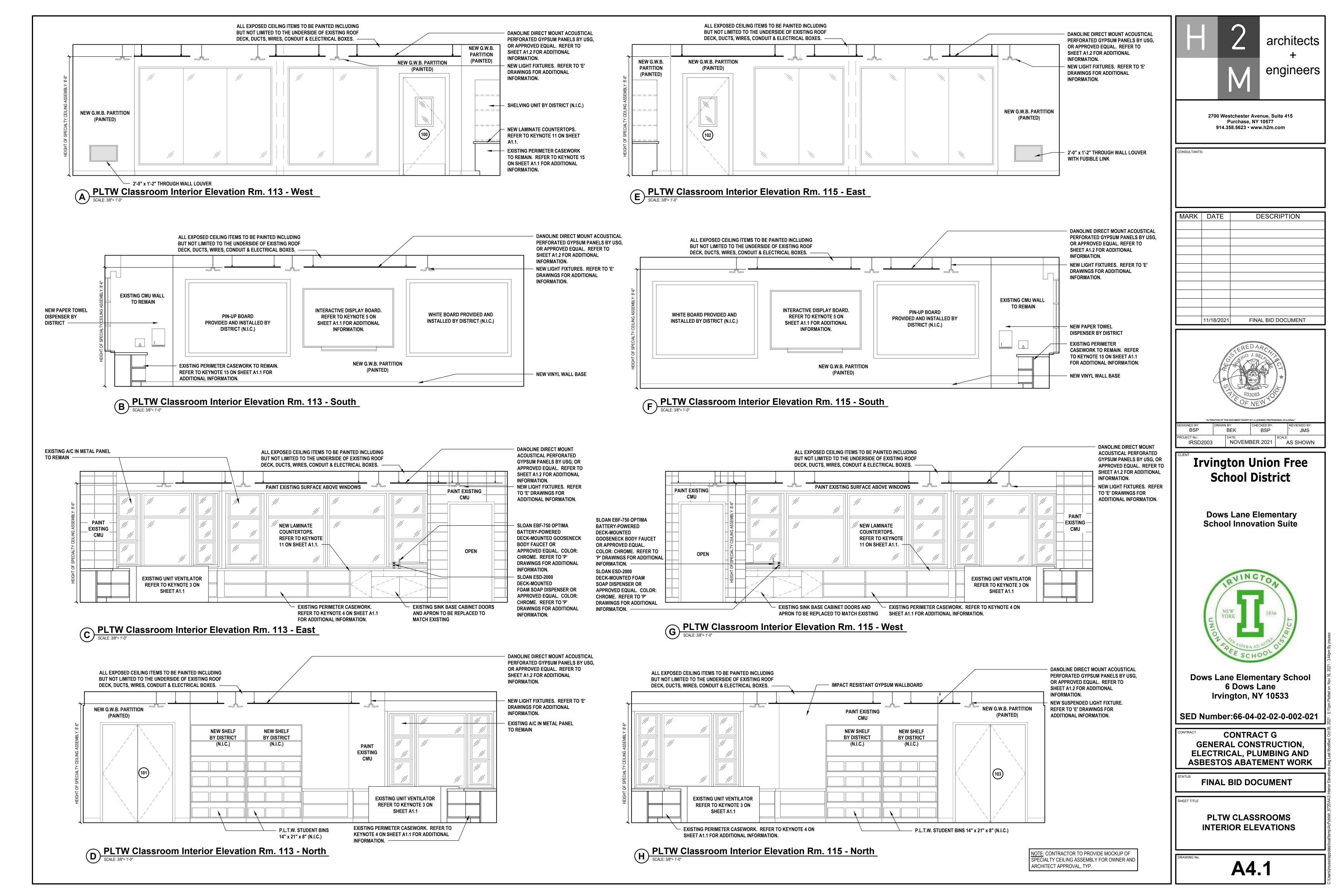
FINAL BID DOCUMENT

PARTIAL FIRST FLOOR REFLECTED CEILING PLAN

A1.2



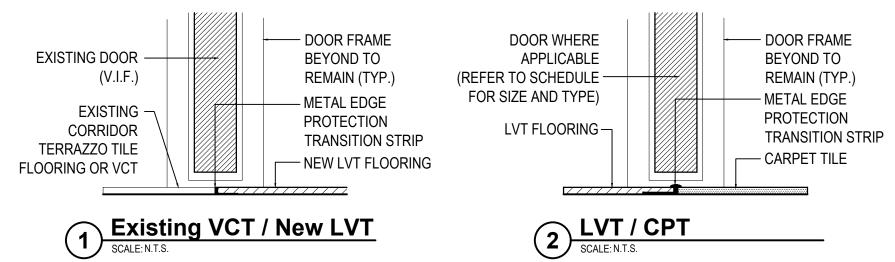


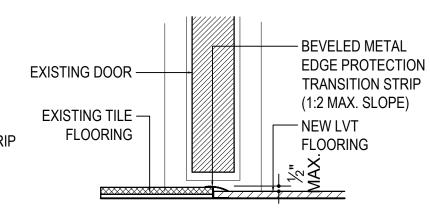


FINISH SCHE	DULE												
ROOM NAME / NO.	FLOOR FINISH	BASE	NORTH	WALL	EAST WALL		SOUTH	WALL	WEST	WALL	CEILING	REMARKS	
ROOM NAME / NO.	I LOOK I INIOII	DAGE	MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	FINISH	CLILING	KLWAKKO	
CORRIDOR / 100A	LVT	VINYL	GYP.	PAINT	EX. CMU, GYP, & GLASS	PAINT	GYP.	PAINT	EX. CMU, GYP, & GLASS	PAINT	EXPOSED PAINTED	INFUSIONS ACCENT CANOPIES BY ARMSTRONG, OR APPROVED EQUAL, MOUNTED FROM EXPOSED CEILING, SEE NOTE 1 BELOW.	
BLDG. TRAP CL. / 011													
PLTW CLASSROOM / 113	LVT	VINYL	EX. CMU & GYP.	PAINT	EX. CMU & GYP.	PAINT	EX. CMU & GYP.	PAINT	GYP. & GLASS	PAINT	EXPOSED / GWB PANELS	DANOLINE DIRECT MOUNT ACOUSTICAL PERFORATED GYPSUM PANELS BY USG, OR APPROVED EQUAL, SEE NOTE 1 BELOW.	
CLOSET 113B	LVT	VINYL	GYP.	PAINT	GYP.	PAINT	GYP.	PAINT	GYP.	PAINT	GWB PANELS		
TOILET ROOM / 113A	EXISTING TO REMAIN												
LIBRARY / 114	CARPET	VINYL	GYP.	PAINT	EX. CMU & GYP.	PAINT	EX. CMU	PAINT	EX. CMU & GYP.	PAINT	EXPOSED / GWB PANELS	SEE NOTE 1	
TOILET ROOM / 114A								EXISTIN	G TO REMAIN				
CLOSET / 114B								EXISTIN	G TO REMAIN				
LIBRARIAN OFFICE / 114C	CARPET	VINYL	СМИ	PAINT	EX. CMU & GYP.	PAINT	EX. CMU	PAINT	СМИ	PAINT	A.C.T. COLOR: WHITE	SOUNDSCAPE SHAPES CEILING PANELS IN HEXAGON SHAPE BY ARMSTRONG OR APPROVED EQUAL.	
TOILET ROOM / 114D								EXISTIN	G TO REMAIN				
PLTW CLASSROOM / 115	LVT	VINYL	EX. CMU & GYP.	PAINT	GYP. & GLASS	PAINT	EX. CMU & GYP.	PAINT	EX. CMU & GYP.	PAINT	EXPOSED / GWB PANELS	DANOLINE DIRECT MOUNT ACOUSTICAL PERFORATED GYPSUM PANELS BY USG, OR APPROVED EQUAL, SEE NOTE 1 BELOW.	
TOILET ROOM / 115A								EXISTIN	G TO REMAIN				
CLOSET 115B	LVT	VINYL	GYP.	PAINT	GYP.	PAINT	GYP.	PAINT	GYP.	PAINT	GWB PANELS		
SERVICE ROOM / G2A	PATCH TO MATCH EXISTING AS REQUIRED	MATCH EXISTING	GYP.	PAINT	GYP.	PAINT	GYP.	PAINT	GYP.	PAINT	PATCH TO MATCH EX. AS REQ'D	ALT. G-1, MATCH EXISTING STAINED 1X6 WOOD BASE MOLDING (V.I.F.)	
SERVICE ROOM / G2B	PATCH TO MATCH EXISTING AS REQUIRED	MATCH EXISTING	GYP.	PAINT	GYP.	PAINT	GYP.	PAINT	GYP.	PAINT	PATCH TO MATCH EX. AS REQ'D	ALT. G-1, MATCH EXISTING STAINED 1X6 WOOD BASE MOLDING (V.I.F.)	

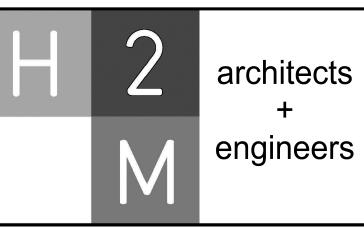
NOTE 1: ALL EXPOSED ITEMS TO BE PAINTED INCLUDING BUT NOT LIMITED TO THE UNDERSIDE OF EXISTING ROOF DECK, DUCTS, WIRES, CONDUIT, AND ELECTRICAL BOXES GYP. = 5/8" THICK IMPACT RESISTANT GYPSUM WALLBOARD

Transition Details



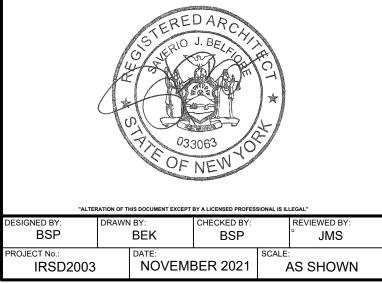


3 Existing Tile / New LVT SCALE: N.T.S.



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Irvington Union Free **School District**

Dows Lane Elementary School Innovation Suite



Dows Lane Elementary School 6 Dows Lane Irvington, NY 10533

SED Number:66-04-02-02-0-002-021

CONTRACT G GENERAL CONSTRUCTION, ELECTRICAL, PLUMBING AND ASBESTOS ABATEMENT WORK

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FINISH SCHEDULE

A6.0

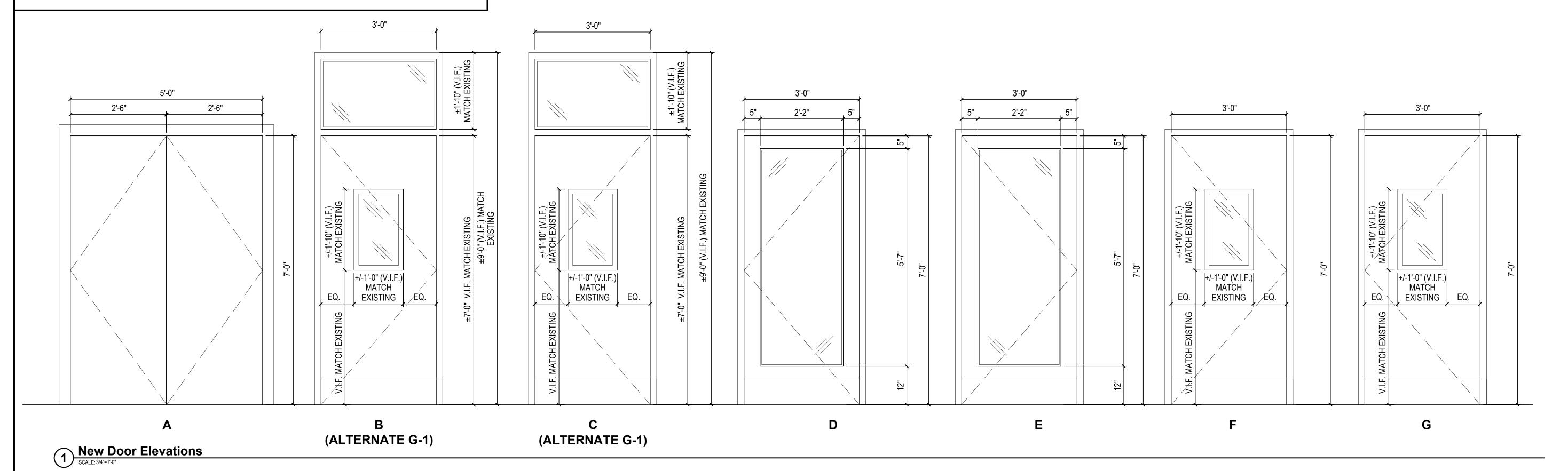
NEW	NEW DOOR SCHEDULE															
DOOR NO.	DOOM NAME	TVDE	OTV	l	JNIT DIMENSIO	NS	DOOR	DOOR	FRAME	FRAME		DETAILS		FIRE	HARDWARE	COMMENTS
BOOK NO.	ROOM NAME	TYPE	QTY.	WIDTH	HEIGHT	THICKNESS	MATERIAL	FINISH	TYPE	FINISH	HEAD	JAMB	SADDLE	RATING	SET	COMMENTS
001	SERVICE ROOM	В	1	3'-0"	±7'-0" V.I.F.	1 3/4"	WOOD / GLASS	STAIN	H.M.	F.P. / P.F.F.	2/A7.0	3/A7.0	-	45 MIN.	01	(ALTERNATE G-1) NEW DOOR, GLAZING AND TRANSOM TO MATCH EXISTING BASEMENT CLASSROOM DOORS. CONTRACTOR TO VERIFY DIMENSIONS IN FIELD. STAIN AND SEAL TO MATCH EXISTING ADJACENT DOORS
002	SERVICE ROOM	С	1	3'-0"	±7'-0" V.I.F.	1 3/4"	WOOD / GLASS	STAIN	H.M.	F.P. / P.F.F.	2/A7.0	3/A7.0	-	45 MIN.	01	(ALTERNATE G-1) NEW DOOR, DOOR FRAME AND TRANSOM TO BE INSTALLED IN EXISTING OPENING WHERE DOOR AND TRANSOM WERE REMOVED. SEE DOOR 001 COMMENTS FOR ADDITIONAL INFORMATION
100	PLTW CLASSROOM	G	1	3'-0"	7'-0"	1 3/4"	WOOD / GLASS	STAIN	H.M.	F.P. / P.F.F.	2/A7.0	3/A7.0	-	45 MIN.	02	NEW DOOR AND GLAZING TO MATCH EXISTING CLASSROOM 124 DOOR. CONTRACTOR TO VERIFY DIMENSIONS IN FIELD. STAIN AND SEAL TO MATCH EXISTING ADJACENT DOORS.
101	PLTW CLASSROOM	А	1	(2) 2'-6"	7'-0"	1 3/4"	WOOD	STAIN	H.M.	F.P. / P.F.F.	2/A7.0	3/A7.0	-	-	03	STAIN AND SEAL TO MATCH EXISTING ADJACENT DOORS.
102	PLTW CLASSROOM	F	1	3'-0"	7'-0"	1 3/4"	WOOD / GLASS	STAIN	H.M.	F.P. / P.F.F.	2/A7.0	3/A7.0	-	45 MIN.	02	NEW DOOR AND GLAZING TO MATCH EXISTING CLASSROOM 124 DOOR. CONTRACTOR TO VERIFY DIMENSIONS IN FIELD. STAIN AND SEAL TO MATCH EXISTING ADJACENT DOORS
103	PLTW CLASSROOM	Α	1	(2) 2'-6"	7'-0"	1 3/4"	WOOD	STAIN	H.M.	F.P. / P.F.F.	2/A7.0	3/A7.0	-	1	03	STAIN AND SEAL TO MATCH EXISTING ADJACENT DOORS.
104	LIBRARY	D	1	3'-0"	7'-0"	1 3/4"	WOOD / GLASS	STAIN	H.M.	F.P. / P.F.F.	2/A7.0	3/A7.0	- -	45 MIN.	04	PROVIDE FIRE RESISTANCE RATED GLAZING (SEE SPECIFICATION 088000). STAIN AND SEAL TO MATCH EXISTING ADJACENT DOORS
105	LIBRARY	Е	1	3'-0"	7'-0"	1 3/4"	WOOD / GLASS	STAIN	H.M.	F.P. / P.F.F.	2/A7.0	3/A7.0	-	45 MIN.	04	PROVIDE FIRE RESISTANCE RATED GLAZING (SEE SPECIFICATION 088000). STAIN AND SEAL TO MATCH EXISTING ADJACENT DOORS

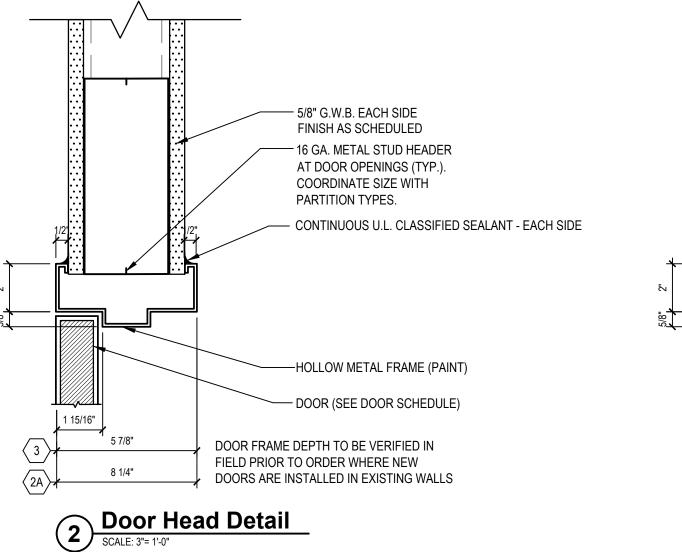
ALTERNATE G-1 NOTES

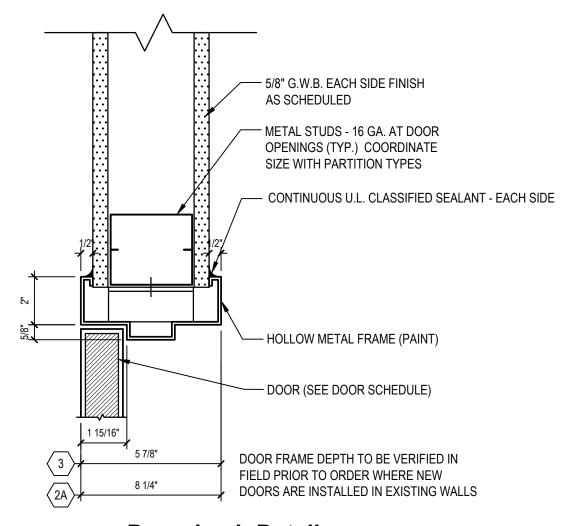
ALL WORK RELATED TO EXISTING PLTW CLASSROOM G2, NEW SERVICE ROOM G2A AND NEW SERVICE ROOM G2B SHALL BE BID AS AN ALTERNATE

CONTRACTOR TO VERIFY ALL OPENINGS IN FIELD PRIOR TO FABRICATION.

2. F.P. / F.F. - FACTORY PRIMED / PAINTED FIELD FINISH





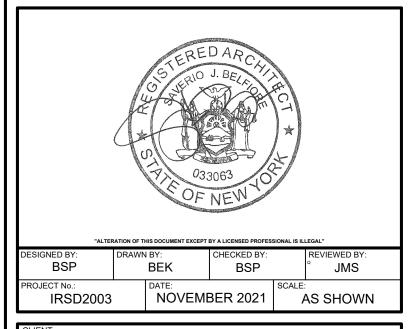


3 Door Jamb Detail
SCALE: 3"= 1'-0"



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Irvington Union Free School District

Dows Lane Elementary School Innovation Suite



Dows Lane Elementary School
6 Dows Lane Irvington, NY 10533

SED Number:66-04-02-02-0-002-021

CONTRACT G GENERAL CONSTRUCTION, ELECTRICAL, PLUMBING AND ASBESTOS ABATEMENT WORK

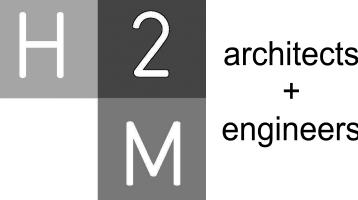
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DOOR SCHEDULE AND DETAILS

A7.0

	ELECTRICAL LE	LGLINDS	
SYMBOL	DESCRIPTION	COMMENTS	ABE
S ₃	THREE - WAY SWITCH	46" AFF TO CL UON	
S ₄	FOUR - WAY SWITCH	46" AFF TO CL UON	
S ₄	ILLUMINATED SWITCH	46" AFF TO CL UON	-
$\frac{S^A}{S_D}$	SINGLE POLE SWITCH; "A" INDICATES SWITCH CONTROL	46" AFF TO CL UON	+
S_{3D}	SINGLE POLE DIMMER SWITCH THREE - WAY DIMMER SWITCH	46" AFF TO CL UON 46" AFF TO CL UON	1
$\frac{S_{3D}}{S_{K}}$	SINGLE POLE KEYED SWITCH	46" AFF TO CL UON	
S_{K3}	KEYED THREE - WAY SWITCH	46" AFF TO CL UON	_
S _{K4}	KEYED FOUR - WAY SWITCH	46" AFF TO CL UON	<u> </u>
S _P	SWITCH AND PILOT LIGHT SWITCH WITH THERMAL OVERLOAD PROTECTION (CONTRACTOR SHALL COORDINATE VOLTAGE AND PHASE WITH		
S _{os/vs}	EQUIPMENT) OCCUPANCY/VACANCY SENSOR WITH MANUAL OVERRIDE, WALL MOUNT		lacksquare
TC	TIME CLOCK		lacksquare
E,G	EMERGENCY SHUT OFF SWITCH; 'E' INDICATES ELECTRICAL; 'G' INDICATES GAS		lacksquare
	2 #12 AWG + #12 AWG GND IN 3/4" E.C. CONCEALED IN WALL OR CEILING		F
	3 #12 AWG + #12 AWG GND IN 3/4" E.C. CONCEALED IN OR BELOW SLAB		
	DEDICATED HOME RUN TO PANEL LP1 FOR CIRCUIT NO. 35 ONLY. 2 #12 AWG + #12 AWG GND IN 3/4" E.C. CONCEALED IN	1	<u> </u>
LP1-35	WALL OR CEILING SIMPLEX RECEPTACLE: 120V, 20A. COORDINATE MOUNTING HEIGHT WITH MECHANICAL CONTRACTOR TO CLEAR BASEBOARDS.	FLUSH	
———	DUPLEX RECEPTACLE: 120V, 20A. COORDINATE MOUNTING HEIGHT WITH MECHANICAL CONTRACTOR TO CLEAR	FLUSH	_
<u> </u>	BASEBOARDS. QUAD RECEPTACLE, DOUBLE DUPLEX RECEPTACLE: 120V, 20A. COORDINATE MOUNTING HEIGHT WITH MECHANICAL CONTRACTOR TO CLEAR BASEBOARDS.	FLUSH	
⊕ ^c	DUPLEX RECEPTACLE: 120V, 20A; SUBSCRIPT "C" INDICATES CEILING MOUNT.	FLUSH	
	DUPLEX RECEPTACLE: 120V, 20A; FLOOR MOUNTED.	FLUSH	
	QUAD RECEPTACLE: 120V, 20A; FLOOR MOUNTED.	TEGGIT	
			\vdash
⊕ ▼ _{D/T}	DUPLEX RECEPTACLE AND DATA JACK: 120V, 20A; FLOOR MOUNTED.		╁
▼ _{D/T}	DATA JACK; FLOOR MOUNTED.		
⊖G	ISOLATED GROUND DUPLEX RECEPTACLE. COORDINATE MOUNTING HEIGHT WITH MECHANICAL CONTRACTOR TO CLEAR BASEBOARDS. DUPLEX RECEPTACLE: 120V, 20A; WITH GROUND FAULT INDICATOR. COORDINATE MOUNTING HEIGHT WITH MECHANICAL	FLUSH	
⊕ GFI	CONTRACTOR TO CLEAR BASEBOARDS.	FLUSH	
⊕ uc	DUPLEX RECEPTACLE: 120V, 20A; SUBSCRIPT "UC" INDICATES UNDER COUNTER	AS PER ENGINEER	
C T	DUPLEX RECEPTACLE: 120V, 20A; SUBSCRIPT "CT" INDICATES COUNTER TOP.	AS PER ENGINEER	
⊕ WP	DUPLEX RECEPTACLE: 120V, 20A; SUBSCRIPT "WP" INDICATED WEATHER PROOF.	AS PER ENGINEER	1
USB	DUPLEX RECEPTACLE: 120V, 20A; SUBSCRIPT "USB" INDICATES INTEGRAL USB.	FLUSH	1
Ψ ⁴⁰ ₂₄₀	SPECIAL PURPOSE OUTLET: 240V, 40A. VERIFY NEMA CONFIGURATION WITH EQUIPMENT MANUFACTURER.	AS PER ENGINEER	1
——TL	TWISTED LOCK RECEPTACLE: 125V, 20A, 3 WIRE; UNLESS OTHERWISE NOTED.	AS PER ENGINEER	$\frac{1}{1}$
	SURFACE RACEWAY WITH 2 GROUNDED AND ISOLATED TYPE DUPLEX RECEPTACLES AND 1 DATA OUTLET PER POSITION,	7.0 TERCENOINEER	
	18" AFF UNLESS OTHERWISE NOTED.		1
	MAGNETIC STARTER "S1"; SEE STARTER SCHEDULE		-
□ _{DS1}	DISCONNECTION SWITCH "DS1"; SEE DISCONNECT SWITCH SCHEDULE. JUNCTION BOX.		-
① ① _{4X}	NEMA 4X STAINLESS STEEL JUNCTION BOX WITH GASKET COVER.		
U _s	JUNCTION BOX RECESSED IN WALL WITH BLANK COVER. PROVIDE 3/4" E.C. AND DRAG LINE TO ABOVE FINISHED CEILING. MOUNT 18" AFF, UNLESS OTHERWISE NOTED.		1
	FOR MONITOR, JUNCTION BOX RECESSED IN WALL WITH BLANK COVER. PROVIDE 3/4" E.C. AND DRAG LINE TO ABOVE FINISHED CEILING.		
\bigcirc^{HD}	FOR HAND DRYER, JUNCTION BOX RECESSED IN WALL WITH BLANK COVER. PROVIDE 3/4" E.C. AND DRAG LINE TO ABOVE FINISHED CEILING. COORDINATE MOUNTING HEIGHT WITH ARCHITECT.		
T _{T1}	TRANSFORMER "T1"; SEE TRANSFORMER SCHEDULE.		
P1	ELECTRICAL PANEL "P1", RECESSED; SEE PANEL SCHEDULE.		1
P1	ELECTRICAL PANEL "P1", SURFACE MOUNT; SEE PANEL SCHEDULE.		
<u>C</u> —	CONDUIT GOING UP.		
O	CONDUIT GOING DOWN.		
Ť	TELEPHONE DROP. PROVIDE CAT 6 CABLE IN 3/4" TO TELEPHONE DEMARCATION. REFER TO DRAWINGS FOR APPROXIMATE LOCATION.		
	DATA DROP. PROVIDE CAT 6 CABLE IN 3/4" E.C. TO SERVER RACK "MDF" LOCATED IN MAIL ROOM (123). PROVIDE AND INSTALL A RJ45 JACK AND FACEPLATE. ALL FINAL TERMINATION TO SERVER RACK BY OWNER. COORDINATE ALL ROUTING AND LABELING WITH OWNER PRIOR TO INSTALLATION. REFER TO DRAWING E1.1 FOR APPROXIMATE LOCATION OF		
	SERVER RACK "MDF".		_
≜ D/T	COMBINED DATA AND TV. PROVIDE 3/4" E.C. WITH DRAG LINE TO AFC AND EMPTY J. BOX RECESSED IN WALL WITH BLANK COVER.		1

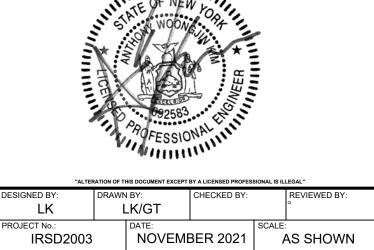
ENDS					SINGLE LINE DIAGRAM LEGEND	LIST OF	DRAWINGS	
OMMENTS	ABBREVIATION	DESCRIPTION	COMMENTS	SYMBOL	DESCRIPTION COMMENTS	E0.0 ELECTRICAL LEGENDS		
FF TO CL UON	AFF	ABOVE FINISHED FLOOR		T	LINE VOLTAGE THERMOSTAT, 120V, 10A.		NT AND FIRST FLOOR DEMOLITION PLANS	
FF TO CL UON	AFC	ABOVE FINISHED CEILING],			NT POWER AND LOW VOLTAGE PLANS OOR POWER AND LOW VOLTAGE PLAN	
FF TO CL UON	AFCI	ARC FAULT CIRCUIT INTERRUPTER		$- \frac{\bullet}{100AF} \frac{100AF}{100AT}$	CIRCUIT BREAKER WITH TRIP AND POLES AS NOTED; 100 AMP FRAME, 100 AMP TRIP.		NT AND FIRST FLOOR LIGHTING AND FIRE ALARM PLANS	
FF TO CL UON FF TO CL UON	AFG AHJ	ABOVE FINISHED GRADE AUTHORITY HAVING JURISDICTION		• / 100A1		E3.0 ELECTRICAL SINGLE LINE DIAG		
FF TO CL UON	AMP, A	AMPERE				E4.0 ELECTRICAL PANEL SCHEDULE	,	
FF TO CL UON	ATS	AUTOMATIC TRANSFER SWITCH; SEE TRANSFER SWITCH		` /	TRANSFER SWITCH 'TS1'; SEE TRANSFER SWITCH SCHEDULE.	FA0.0 FIRE ALARM LEGENDS, NOTES AND RISER DIAGRAM		
FF TO CL UON		SCHEDULE		ATS1				711
FF TO CL UON	AWG BFC	AMERICAN WIRE GAUGE BELOW FINISHED CEILING		M.C.B 30A/2P	DISTRIBUTION PANEL P1 WITH 30A, 2 POLE M.C.B.; SEE DISTRIBUTION PANEL SCHEDULE.	l SITE PL	LAN LEGEND	
	CL	CENTERLINE		PANEL "P1"	DISTRIBUTION PANEL FT WITH 30A, 2 FOLE M.C.B., SEE DISTRIBUTION PANEL SCHEDULE.	J		╝
	CT	COUNTER TOP		100AS			CURB	CONSULT
	EC	ELECTRICAL CONDUIT			UNFUSED DISCONNECT SWITCH DS1, 100 AMP; SEE DISCONNECT SWITCH SCHEDULE.	₽	UTILITY POWER/TELEPHONE POLE	
	GFCI	GROUND FAULT CIRCUIT INTERRUPTER		•/		G	EXISTING NATURAL GAS SERVICE	111
	GFI	GROUND FAULT INDICATOR		DS1 7 100AS 100AF	FUSED DISCONNECT SWITCH 'DSI', FUSED AT 100 AMP SIZE, 100 AMP FUSED, 3 POLES; SEE DISCONNECT SWITCH SCHEDULE.		EXISTING SEWER SERVICE	111
	GND	GROUND		100AF	BIOGENINEST ENTITION CONTENTS.	w	EXISTING WATER SERVICE	-
	CON-ED	CONSOLIDATED EDISON INC.			GENERATOR SET 'G'	<u> </u>		╢╙┈
	MCB	MAIN CIRCUIT BREAKER		(G)	GENERATOR SET G		EXISTING TELEPHONE SERVICE	- MAR
	MLO	MAIN LUGS ONLY		(M)	ELECTRIC METER AND METER PAN AS PER PSEG REQUIREMENTS.		NEW TELEPHONE SERVICE	\square
FLUSH	N.T.S	NOT TO SCALE		(5HP)	MOTOR, NUMBER INDICATES HORSEPOWER.	E	EXISTING ELECTRICAL LINES	-
FLUSH	TYP	TYPICAL		<u> </u>		——— Е———	NEW ELECTRICAL LINES	- ├──
ГСООП	UON	UNLESS OTHERWISE NOTED		CTS	CURRENT TRANSFORMERS.	PE	EXISTING PRIMARY ELECTRIC SERVICE	╝╟
FLUSH	UC V	UNDER COUNTER VOLT		— ↓ — 010 — }{- pts	VOLTAGE TRANSFORMERS.	PE	NEW PRIMARY ELECTRIC SERVICE	
FLUSH	VAC	VOLTS ALTERNATING CURRENT				——— ОН/E———	EXISTING OVERHEAD ELECTRIC LINES	711
FLUSH	VDC	VOLTS DIRECT CURRENT		UPS	UNINTERRUPTIBLE POWER SUPPLY	—x—x—x—x—	EXISTING FENCE	111-
	X-FMR	TRANSFORMER		120/208V T2	TRANSFORMER 'T2' WITH SIZE, PRIMARY AND SECONDARY VOLTAGES AS NOTED.		ELECTRIC PULL BOX	$\exists \Vdash$
	WP	WEATHERPROOF		\overline{m}		HH.	HANDHOLE	$\exists \vdash \vdash$
	TYP.	TYPICAL		277/480		П	TRANSFORMER	$\exists \vdash$
FLUOU	N.I.C	NOT IN CONTRACT		-				╢┌──
FLUSH				₹\		SYMBC	DLS LEGEND	
FLUSH				$\frac{100AF}{100AT}$	RACK OUT CIRCUIT BREAKER	100	ROOM DESIGNATION	וו⊏
ER ENGINEER				 		5 A2.2	BUILDING SECTION CUT	
ER ENGINEER				RVRM	REDUCED VOLTAGE SOLID STATE RAMPING MODULE, SIZED FOR 10 H.P.	A		-
				10		5 A2.2	WALL SECTION CUT	
ER ENGINEER				RVSS 150	REDUCED VOLTAGE SOLID STATE STARTER, SIZED FOR 150 H.P.	5 A2.2	DETAIL KEY	711
FLUSH				VFD	VARIABLE FREQUENCY DRIVE, RATED FOR 25 H.P.			-
ER ENGINEER				25	William See The Scenario Daire, IVALED FOR EVILLE.	5 A2.2	ELEVATION KEY	
ER ENGINEER				FVNR	FULL VOLTAGE NON-REVERSING STARTER, NEMA SIZE 6	——(H)	COLUMN GRID	DESIGNED
					FULL VOLTAGE REVERSING STARTER, NEMA SIZE 5			PROJECT
				5	FULL VOLTAGE REVERSING STARTER, NEIWA SIZE S	-	ELEVATION LINE	IR
				JJS	FAST ACTING SOLID STATE FUSES AS PER MANUFACTURER.	1) Title	DRAWING TITLE	CLIENT
				<u> </u>	MULTIPLE BRANCH CIRCUITS AS REQUIRED.	SCALE:		-
				<u> </u>		3 5 A2.2 1	INTERIOR ELEVATION REFERENCE	
					CONTROL CIRCUIT; MIN 2 #12 AWG IN ¾" E.C.	AL.U		_][]
						#	SEE NOTE #	
						#	ON DWG #	
							<u> </u>	-



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Irvington Union Free School District

Dows Lane Elementary School Innovation Suite



Dows Lane Elementary School 6 Dows Lane Irvington, NY 10533

SED Number:66-04-02-02-0-002-021

CONTRACT G
GENERAL CONSTRUCTION,
ELECTRICAL, PLUMBING AND
ASBESTOS ABATEMENT WORK

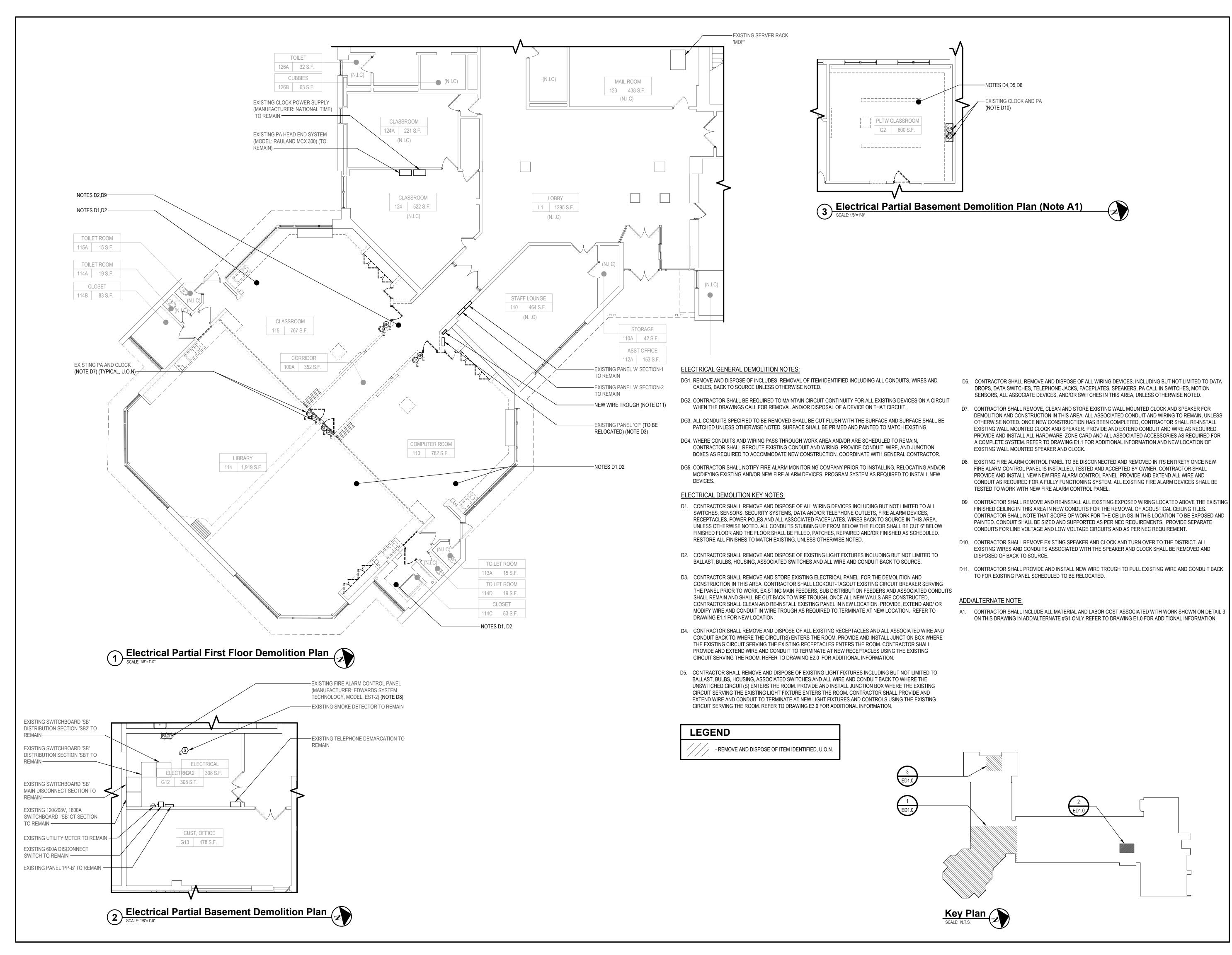
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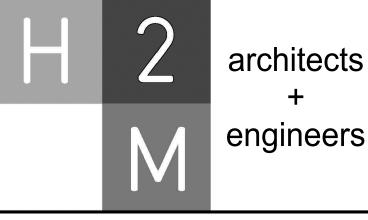
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ELECTRICAL LEGENDS

No.

E0.0





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DESIGNED BY:

LK

LK/GT

PROJECT No.:

IRSD2003

DATE:

NOVEMBER 2021

REVIEWED BY:

CHECKED BY:

REVIEWED BY:

SCALE:

AS SHOWN

Irvington Union Free School District

Dows Lane Elementary School Innovation Suite



Dows Lane Elementary School 6 Dows Lane Irvington, NY 10533

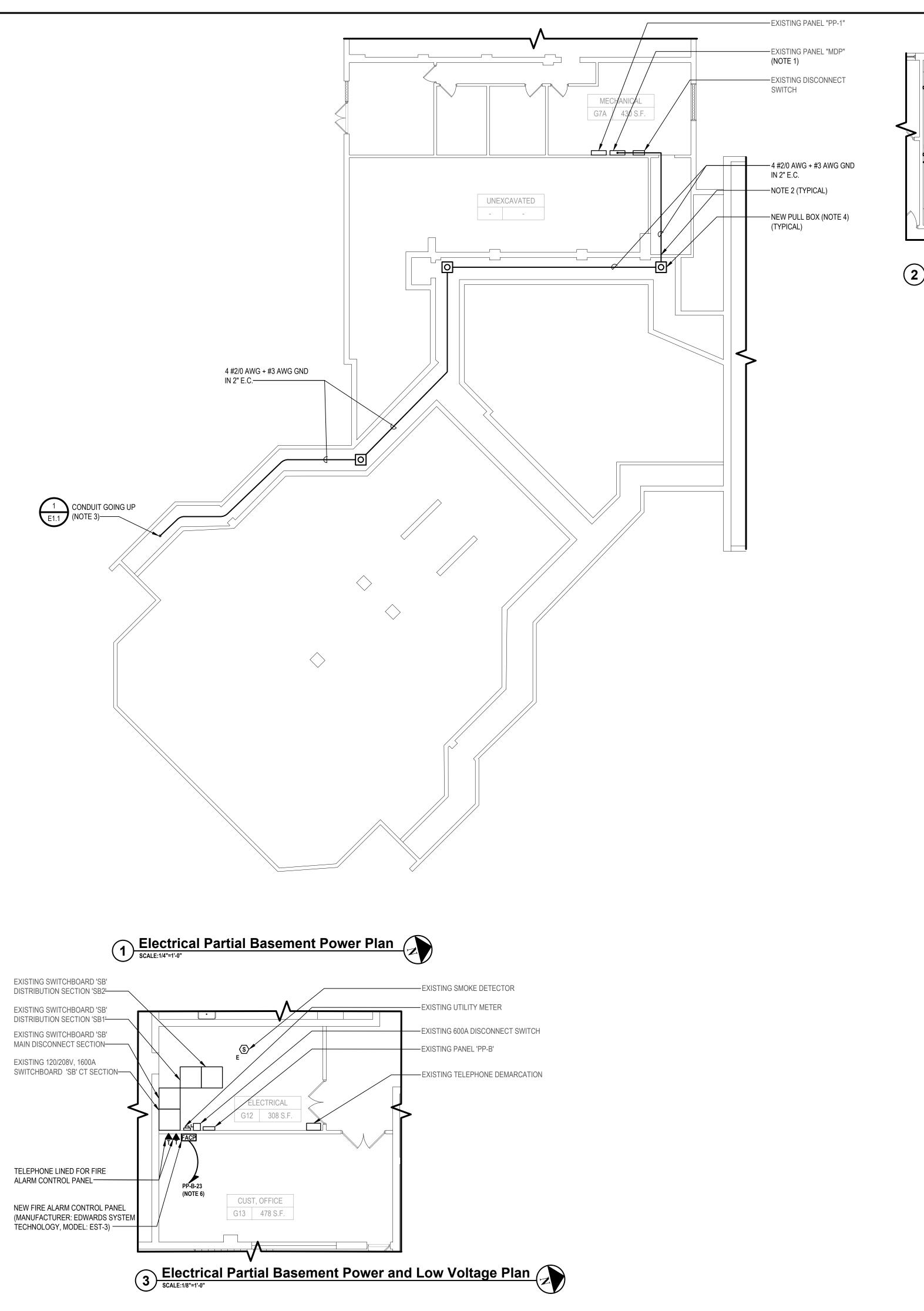
SED Number:66-04-02-02-0-002-021

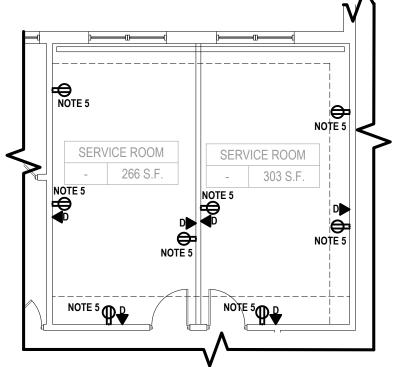
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GENERAL CONSTRUCTION,
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ELECTRICAL PARTIAL
BASEMENT AND FIRST
FLOOR DEMOLITION
PLANS

ED1.0





Electrical Partial Basement Floor Power and Low Voltage Plan (Note A1)

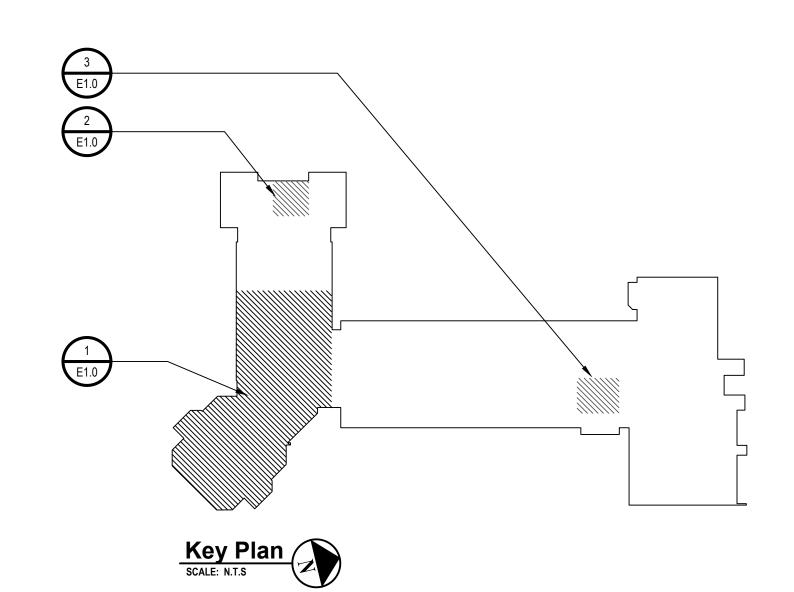
SCALE: 1/8"=1'-0"

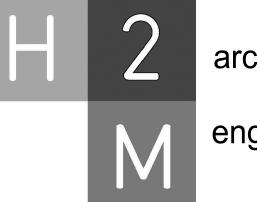
ELECTRICAL KEY NOTES:

- 1. CONTRACTOR SHALL PROVIDE AND INSTALL A NEW 100A/3P CIRCUIT BREAKER IN EXISTING PANEL. NEW CIRCUIT BREAKER SHALL BE LISTED/LABELED FOR USE IN EXISTING PANEL. PROVIDE AND INSTALL NEW BUSS DETAIL AND MOUNTING HARDWARE AS REQUIRED. PROVIDE AND INSTALL NEW FACEPLATES (DEAD FRONT) ON EXISTING PANEL FOR THE NEW CIRCUIT BREAKER AS REQUIRED. AMPERE INTERRUPTING CAPACITY (AIC) RATING ON NEW CIRCUIT BREAKER SHALL MATCH OR EXCEED EXISTING PANEL RATING.
- 2. CONTRACTOR SHALL COREDRILL WALL AS REQUIRED. INSTALL NON SHRINK GROUT/FIREPROOFING SEALANT FOR ALL CONDUIT PENETRATIONS. RESTORE ALL FINISH TO MATCH EXISTING.
- 3. REFER TO DRAWING E1.1 FOR WIRE AND CONDUIT CONTINUATION AND ADDITIONAL INFORMATION.
- 4. NEW PULL BOX. FLOOR PLAN SHOWS MINIMUM REQUIRED PULL BOXES. PROVIDE ADDITIONAL PULL BOXES AS REQUIRED BY NEC AND AS REQUIRED FOR INSTALLATION PURPOSES. SIZE SHALL BE IN ACCORDANCE WITH NEC. PROVIDE AND INSTALL ALL HARDWARE AND ACCESSORIES REQUIRED TO MOUNT PULLBOX TO CEILING.
- 5. CONTRACTOR SHALL PROVIDE AND EXTEND WIRE AND CONDUIT FROM EXISTING RECEPTACLE CIRCUIT SERVING THIS ROOM TO TERMINATE AT NEW RECEPTACLES. WIRE AND CONDUIT SHALL BE 2 #12 AWG + #12 AWG GND IN 3/4" E.C. REFER TO DRAWING ED1.0 FOR ADDITIONAL INFORMATION.
- 6. CONTRACTOR SHALL PROVIDE AND INSTALL A NEW 20A/1P CIRCUIT BREAKER IN EXISTING PANEL. PROVIDE AND INSTALL ALL MOUNTING HARDWARE AND ACCESSORIES AS REQUIRED. CIRCUIT BREAKER SHALL BE LISTED/LABELED FOR USE IN EXISTING PANEL. ARC INTERRUPTING CAPACITY (AIC) RATING SHALL MATCH OR EXCEED RATING OF EXISTING PANEL.

ADD/ALTERNATE NOTE:

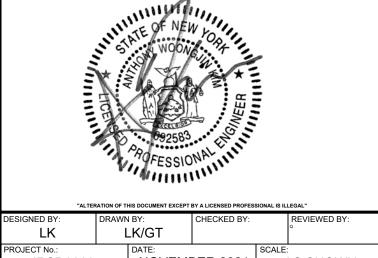
A1. CONTRACTOR SHALL INCLUDE ALL MATERIAL AND LABOR COST ASSOCIATED WITH WORK SHOWN ON DETAIL 2 ON THIS DRAWING IN ADD/ALTERNATE #G1, ONLY. REFER TO DRAWING ED1.0 FOR ADDITIONAL INFORMATION.





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"ALTERATION OF THIS DOCUMENT EXCEPT BY A LICENSED PROFESSIONAL IS ILLEGAL"										
DESIGNED BY:	DRAWN	I BY:	CHECKED BY:		REVIEWED BY:					
LK	L	_K/GT			4					
PROJECT No.: IRSD2003		NOVEME	BER 2021	SCALE:	AS SHOWN					

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Dows Lane Elementary School Innovation Suite



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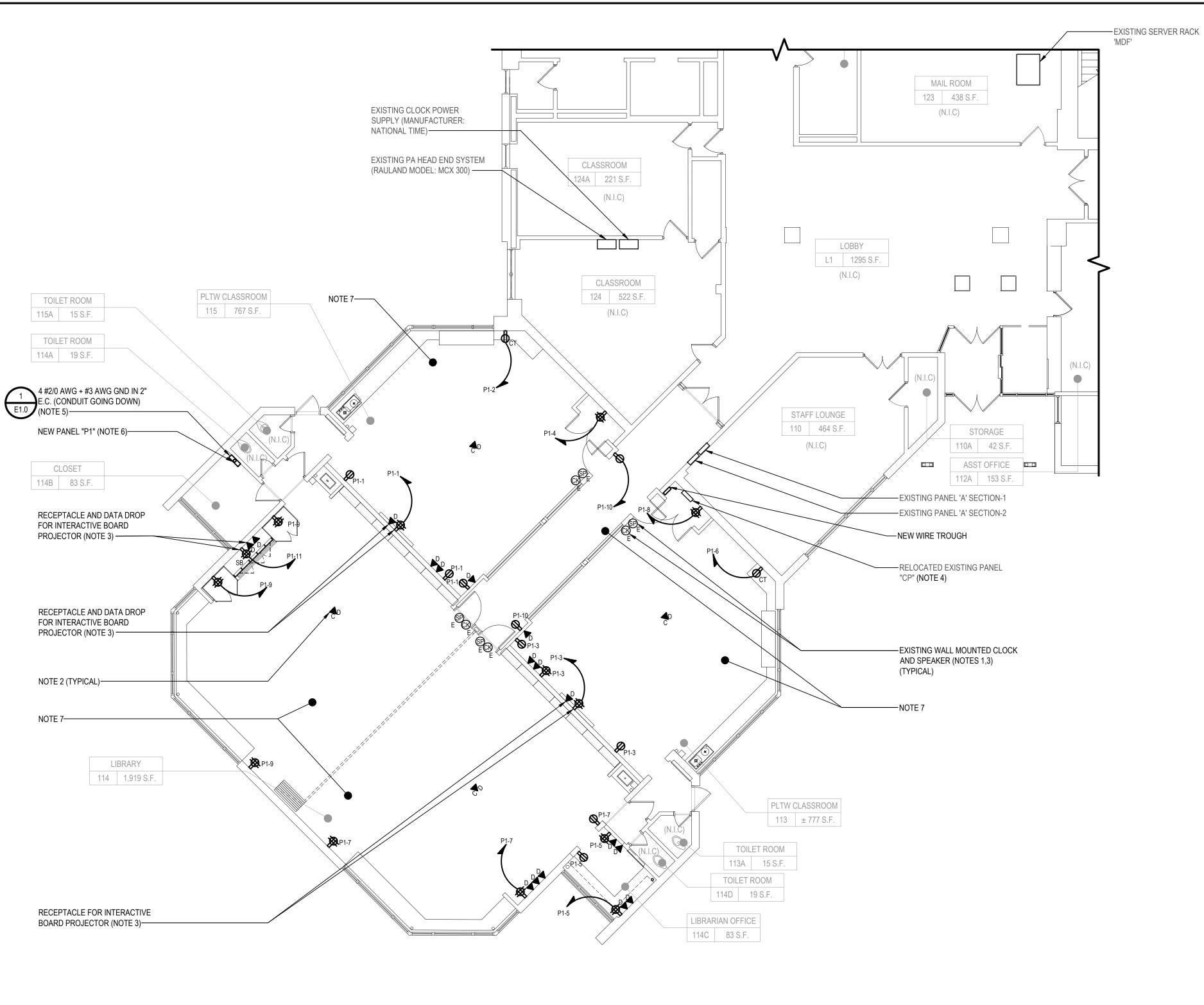
SED Number:66-04-02-02-0-002-021

CONTRACT G GENERAL CONSTRUCTION, ELECTRICAL, PLUMBING AND ASBESTOS ABATEMENT WORK

FINAL BID DOCUMENT

ELECTRICAL PARTIAL BASEMENT POWER AND LOW VOLTAGE PLANS

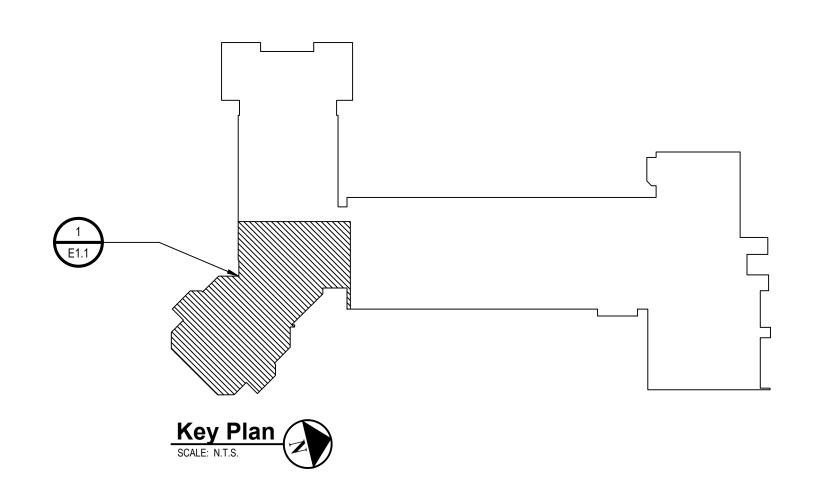
E1.0

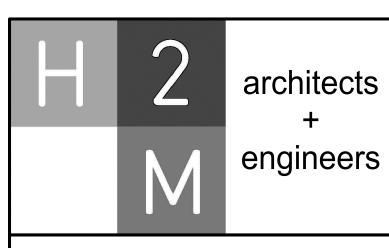


1 Electrical Partial First Floor Power Plan
SCALE: 1/8"=1'-0"

ELECTRICAL KEY NOTES:

- 1. CONTRACTOR SHALL REMOVE CLEAN AND STORE EXISTING WALL MOUNTED CLOCK AND SPEAKER DUE TO DEMOLITION AND CONSTRUCTION IN THIS AREA. ALL ASSOCIATED CONDUIT AND WIRING SHALL REMAIN, UNLESS OTHERWISE NOTED. ONCE NEW CONSTRUCTION HAS BEEN COMPLETED, CONTRACTOR SHALL RE-INSTALL EXISTING WALL MOUNTED CLOCK AND SPEAKER. PROVIDE AND EXTEND CONDUIT AND WIRE AS REQUIRED. PROVIDE AND INSTALL ALL HARDWARE, ZONE CARD AND ALL ASSOCIATED ACCESSORIES AS REQUIRED FOR A COMPLETE SYSTEM.REFER TO DRAWING ED1.0 FOR ADDITIONAL INFORMATION.
- 2. CEILING MOUNTED DATA DROP FOR WIRELESS ACCESS POINT (WIRELESS ACCESS POINT IS PROVIDED BY OWNER). CONTRACTOR SHALL VERIFY EXACT LOCATION WITH SCHOOL PRIOR TO INSTALLATION. COORDINATE ALL FINAL TERMINATION WITH OWNER.
- 3. CONTRACTOR SHALL VERIFY EXACT MOUNTING HEIGHT AND LOCATION WITH SCHOOL PRIOR TO INSTALLATION.
- 4. ONCE ALL NEW WALLS ARE CONSTRUCTED, CONTRACTOR SHALL CLEAN AND RE-INSTALL EXISTING PANEL TO NEW LOCATION. PROVIDE, EXTEND AND/OR MODIFY WIRE AND CONDUIT IN WIRE TROUGH AS REQUIRED TO TERMINATE AT NEW LOCATION. REFER TO DRAWING ED1.0 FOR ADDITIONAL INFORMATION.
- 5. REFER TO DRAWING E1.0 FOR CONDUIT CONTINUATION AND ADDITIONAL INFORMATION.
- 6. CONTRACTOR SHALL COORDINATE WITH OWNER FOR THE REMOVAL OF EXISTING SHELVING ON THIS WALL FOR THE INSTALLATION OF NEW PANEL.
- 7. CONTRACTOR SHALL INSTALL ALL ABOVE CEILING WIRES AND CABLES THAT ARE EXPOSED DUE TO NEW CONSTRUCTION IN NEW CONDUITS AS REQUIRED. PLEASE NOTE THAT ALL LOW VOLTAGE AND LINE VOLTAGE CABLES AND WIRE SHALL BE INSTALLED IN SEPARATE CONDUITS. PROVIDE AND INSTALL CONDUITS, JUNCTION BOXES, FITTINGS AND MOUNTING HARDWARE AS REQUIRED.

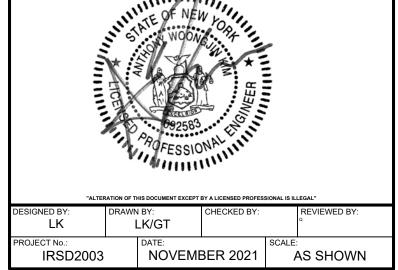




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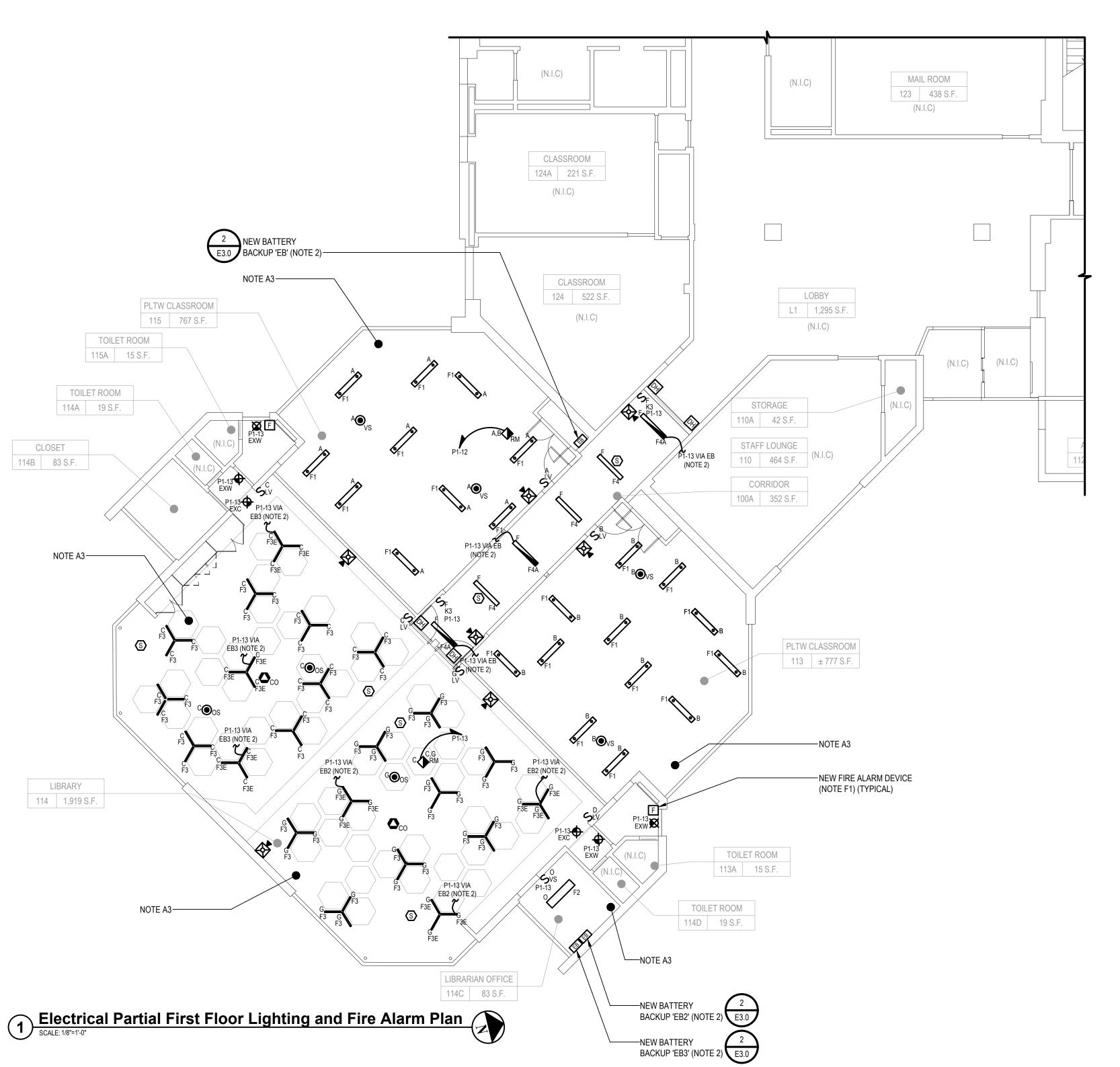
CONTRACT G
GENERAL CONSTRUCTION,
ELECTRICAL, PLUMBING AND
ASBESTOS ABATEMENT WORK

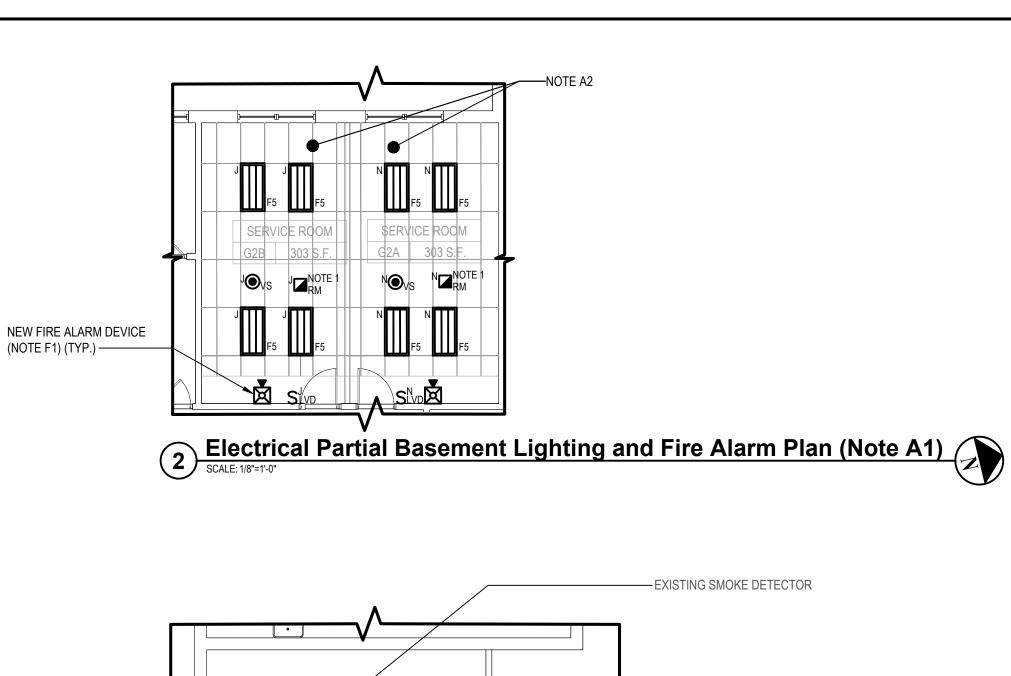
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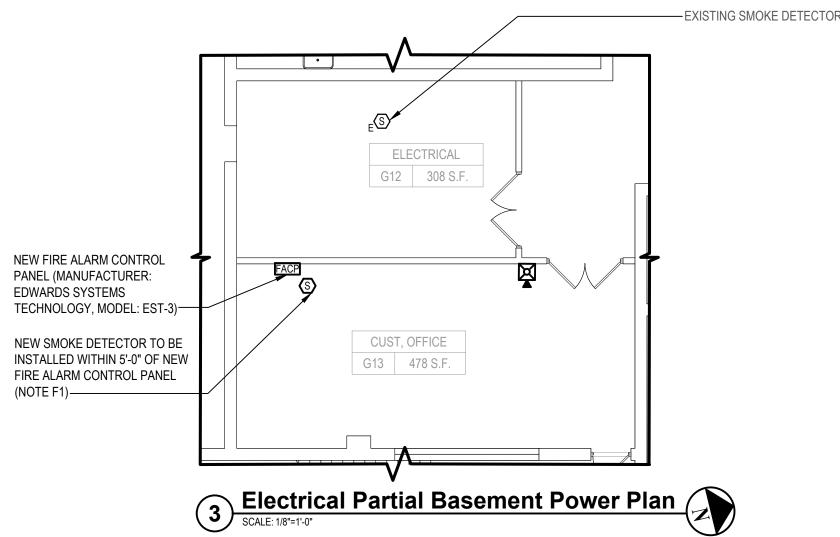
SHEET TITLE

ELECTRICAL PARTIAL FIRST FLOOR POWER AND LOW VOLTAGE PLAN

E1.1







ELECTRICAL GENERAL LIGHTING NOTES:

- L1. PROVIDE ALL REQUIRED WIRING NECESSARY BETWEEN SWITCHES, CONTROLLERS AND/OR OCCUPANCY/ VACANCY SENSORS FOR COMPLETE LIGHTING CONTROL. WHERE 3 OR 4 WAY SWITCHES ARE USED, PROVIDE ALL REQUIRED WIRING BETWEEN SWITCHES. WIRE SIZE SHALL EQUAL POWER FEED SIZE.
- L2. FIXTURES INDICATED WITH CIRCUIT DESIGNATIONS SHALL BE CONNECTED TO LINE SIDE OF CIRCUIT.
- L3. FIXTURES INDICATED WITH LETTER DESIGNATIONS SHALL BE CONNECTED TO THE SWITCH, OCCUPANCY/ VACANCY SENSOR AND/OR ROOM CONTROLLER WITH CORRESPONDING LETTER DESIGNATION.
- L4. PROVIDE AND INSTALL A DEDICATED NEUTRAL FOR EACH CIRCUIT. CONTRACTOR IS NOT PERMITTED TO USE COMMON NEUTRALS.
- L5. PROVIDE BOX AND ACCESSORIES AS PER MANUFACTURER'S RECOMMENDATION FOR ALL SWITCHES OCCUPANCY/ VACANCY SENSORS, AND/OR POWER PACKS.
- L6. VERIFY EXACT LOCATIONS AND MOUNTING HEIGHTS WITH ARCHITECT/ENGINEER IN FIELD.
- L7. ALL CEILING MOUNTED FIXTURES WITH EMERGENCY DRIVERS AND ALL FIXTURES THAT ARE PART OF AN EMERGENCY LIGHTING SYSTEM, FED FROM AN EMERGENCY SYSTEM SHALL BE LABELED. THESE LABELS SHALL BE EASILY READ FROM THE FLOOR LEVEL AND STATE THAT THE FIXTURE IS AN EMERGENCY FIXTURE AND CONTAIN THE PANEL NAME AND CIRCUIT NUMBER THAT IT IS FEED FROM.
- L8. WIRING FOR EMERGENCY DRIVER IS NOT SHOWN ON PLANS. FIXTURES ASSOCIATED WITH EMERGENCY BACKUP SHALL BE PROVIDED WITH AN UNSWITCHED POWER FEED FROM CIRCUIT FEEDING LIGHT FIXTURE.

ELECTRICAL KEY NOTES:

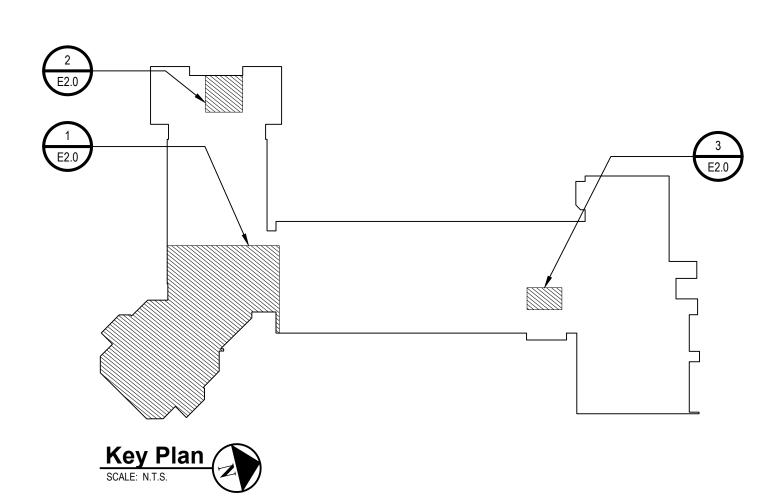
- 1. CONTRACTOR SHALL PROVIDE AND EXTEND WIRE AND CONDUIT FROM THE EXISTING LIGHTING CIRCUIT SERVING THIS ROOM TO TERMINATE AT NEW LIGHT FIXTURE, POWER PACK, CONTROLLER AND SWITCH. WIRE AND CONDUIT SHALL BE 2 #12 AWG + #12 AWG GND IN 3/4" E.C. REFER TO DRAWING ED1.0 ELECTRICAL PARTIAL FIRST FLOOR DEMOLITION PLAN FOR ADDITIONAL INFORMATION.
- 2. CONTRACTOR SHALL PROVIDE AN EMERGENCY BATTERY BACKUP (BODINE MODEL #ELI-S-100 OR APPROVED EQUAL). PROVIDE ALL MOUNTING HARDWARE AND ACCESSORIES AS REQUIRED TO SECURELY MOUNT NEW EMERGENCY BATTERY BACKUP AT 7'-6" A.F.F. BATTERY SHALL PROVIDE 90 MIN BATTERY BACKUP. CONTRACTOR SHALL PROVIDE AND INSTALL TEST SWITCH AND TEST LIGHT ADJACENT TO FIXTURE, FLUSH IN CEILING. PROVIDE TEST SWITCH/LIGHT AND WIRE/CONDUIT AS REQUIRED.

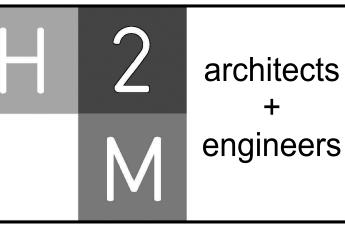
FIRE ALARM KEY NOTES:

F1. CONTRACTOR SHALL PROVIDE AND INSTALL NEW FIRE ALARM DEVICES AND ALL NECESSARY EQUIPMENT TO MAKE A PROPER CONNECTION TO NEW FIRE ALARM CONTROL PANEL "FACP" LOCATED IN THE ELECTRICAL ROOM ON THE BASEMENT FLOOR USING MANUFACTURERS RECOMMENDED WIRING IN 3/4" E.C. CONTRACTOR SHALL PROVIDE AND EXTEND POWER/DATA FEEDS TO NEW FIRE ALARM DEVICE LOCATION. PROVIDE AND INSTALL ALL EXPANSION CARDS, WIRE, CONDUIT, RELAYS, POWER SUPPLIES, BATTERIES, EXTENDERS, PROGRAMMING, MOUNTING HARDWARE, AND JUNCTION BOXES AS REQUIRED. COORDINATE EXACT MOUNTING LOCATION AND HEIGHT WITH ARCHITECT PRIOR TO INSTALLATION. TYPICAL OF ALL FIRE ALARM DEVICES

ADD/ALTERNATE NOTES:

- A1. CONTRACTOR SHALL INCLUDE ALL MATERIAL AND LABOR COST ASSOCIATED WITH WORK SHOWN ON DETAIL #2 ON THIS DRAWING IN ADD/ALTERNATE #G1, ONLY. REFER TO DRAWING ED1.0 FOR ADDITIONAL INFORMATION.
- A2. CONTRACTOR SHALL INCLUDE ALL MATERIAL AND LABOR COST ASSOCIATED WITH PROVIDING AND INSTALLING NEW LIGHT FIXTURES AND ASSOCIATED CONTROLS IN ADD/ALTERNATE #G2, ONLY.
- A3. CONTRACTOR SHALL INCLUDE ALL MATERIAL AND LABOR COST ASSOCIATED WITH PROVIDING AND INSTALLING NEW LIGHT FIXTURES AND ASSOCIATED CONTROLS IN ADD/ALTERNATE #G3, ONLY. REFER TO DRAWING ED1.0 FOR ADDITIONAL INFORMATION.

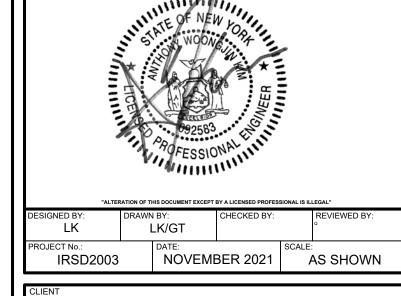




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Dows Lane Elementary School Innovation Suite



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SED Number:66-04-02-02-0-002-021

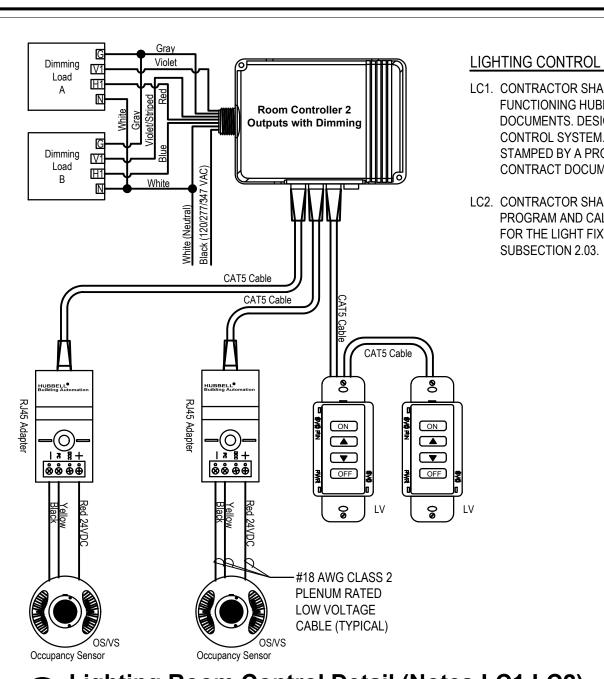
CONTRACT G
GENERAL CONSTRUCTION,
ELECTRICAL, PLUMBING AND
ASBESTOS ABATEMENT WORK

FINAL BID DOCUMENT

SHEET TITLE

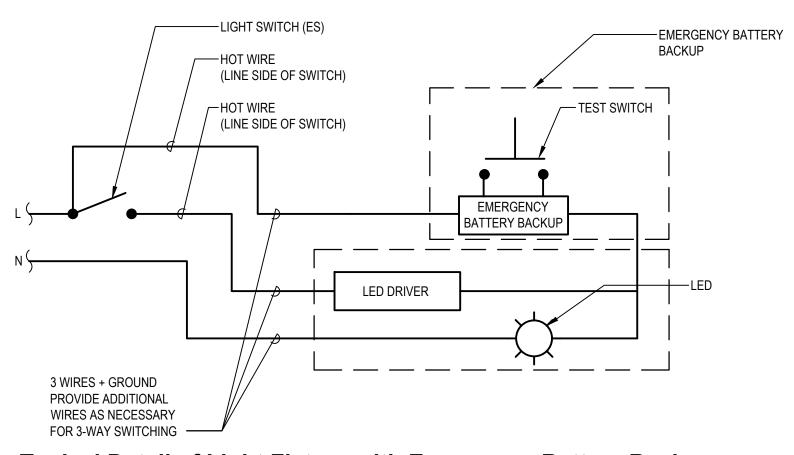
ELECTRICAL PARTIAL BASEMENT AND FIRST FLOOR LIGHTING AND FIRE ALARM PLANS

E2.0



LIGHTING CONTROL DETAIL NOTES:

- LC1. CONTRACTOR SHALL PROVIDE ALL MATERIALS AND ACCESSORIES AS REQUIRED TO PROVIDE FULL FUNCTIONING HUBBELL NX LIGHTING CONTROL SYSTEM TO FUNCTION AS SHOWN IN THE CONSTRUCTION DOCUMENTS. DESIGN OF THE LIGHTING CONTROL SYSTEM WAS DEVELOPED AROUND THE HUBBELL NX CONTROL SYSTEM. ALL SUBSTITUTE CONTROLS WILL REQUIRE SUBMISSION OF NEW CONTROL LAYOUT, STAMPED BY A PROFESSIONAL ENGINEER. SUBSTITUTE CONTROLS SHALL FUNCTION AS DESIGNED ON THE CONTRACT DOCUMENTS AND CONTRACTOR SHALL GUARANTEE FUNCTIONALITY.
- LC2. CONTRACTOR SHALL HIRE A TECHNICIAN (HUBBELL AUTOMATION OR APPROVED EQUAL) TO COMMISSION, PROGRAM AND CALIBRATE THE NX LIGHTING CONTROL SYSTEM. LIGHTING CONTROL SYSTEM BE PROGRAMMED FOR THE LIGHT FIXTURE TO OUTPUT LIGHT LEVELS AS DESCRIBED IN SPECIFICATION SECTION 265000,



Typical Detail of Light Fixture with Emergency Battery BackupSCALE: N.T.S.

Lighting Room Control Detail (Notes LC1,LC2) SCALE: N.T.S.

			B—		
		A	100A/3 MCB	50A/3 MCB	
			NEW PANEL 'P1'	RELOCATED EXISTING PANEL 'CP"	
					-FIRST FLOOR
	100A/3 50A/3	(A)	В		
EXISTING PANEL "MDP" (MANUFACTURER: SQUARE-D, PAMEL TYPE: I-LINE)	•	TO EXISTING LOADS			

Partial Single Line Diagram (Note 1)

SCALE: N.T.S.

SINGLE LINE DIAGRAM NOTE:

1. NOT ALL EXISTING CIRCUITS ARE SHOWN IN PARTIAL SINGLE LINE DIAGRAM FOR CLARITY PURPOSES. REFER TO FLOOR PLANS FOR ADDITIONAL INFORMATION.

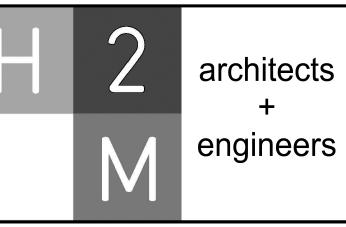
FEEDI	FEEDER SCHEDULE							
FEEDER	CONDUCTOR AND CONDUITS FEEDER SCHEDULE							
Α	4 #2/0 AWG + #3 AWG GND IN 2" E.C.							
В	4 #8 AWG + #10 AWG GND IN 1" E.C. (WIRE AND CONDUIT SHALL BE SIZED IN ACCORDANCE WITH NEC REQUIREMENTS)							

LIGHTING	FIXIURE	SCHEDULE	Γ	I	T		I	1				ı
DESIGNATION	SYMBOL	MANUFACTURER	MODEL NUMBER	TYPE	WATTS	COLOR TEMP	VOLT	LUMENS	MOUNTING	REMARKS	MOUNTING HEIGHT	DETAIL
F1		LITECONTROL	SAE104-P-4-SOF-40K-080-10D	LED	30	4000	120-277	3200	PENDANT	NOTE 2	8'-6" AFG	-
F2		COLUMBIA LIGHTING	LAW-40HL-EU	LED	51	4000	120-277	5714	SURFACE	-	CEILING	-
F3		AXIS LIGHTING	STFC-NI-DSO-6-300-AY-1-90-40- UNV-MD-1-CA24	LED	3.15W/FT	4000	120-277	600	PENDANT	NOTE 2	10'-6" AFG	-
F3E		AXIS LIGHTING	STFC-NI-DSO-6-300-AY-1-90-40- UNV-MD-1+E1-CA24-B1	LED	3.15W/FT	4000	120-277	600	PENDANT	EMERGENCY BATTERY BACKUP WITH 90 MINUTES OF BACK-UP CAPACITY VIA EMERGENCY INVERTER (NOTES 1,2)	10'-6" AFG	-
F4		LUMINART	L25A8-604.150	LED	38	3000	120-277	3750	PENDANT	NOTE 2	8'-0" AFG	-
F4A		LUMINART	L25A8-604.150	LED	38	3000	120-277	3750	PENDANT	EMERGENCY BATTERY BACKUP WITH 90 MINUTES OF BACK-UP CAPACITY VIA EMERGENCY INVERTER (NOTES 1,2)	8'-0" AFG	E3.0
F5		COLUMBIA LIGHTING	LCAT24-40MLG-R	LED	39	4000	120-277	5170	RECESSED	-	CEILING	-
EXC	Ø	PROGRESS LIGHTING	PEERE-S-R-16	LED	3.72	-	-	-	RECESSED	EMERGENCY BATTERY BACKUP WITH 90 MINUTES OF BACK-UP CAPACITY	CEILING	-
EXW	×	PROGRESS LIGHTING	PEERE-S-R-16	LED	3.72	-	-	-	RECESSED	EMERGENCY BATTERY BACKUP WITH 90 MINUTES OF BACK-UP CAPACITY	1'-0" ABOVE DOOR FRAME	-
VS	•	HUBBELL	NXOS-OM-DT2	-	-	-	-	-	SURFACE	VS DENOTES VACANCY SENSOR	CEILING	1 E3.0
LV	S	HUBBELL	NXSW-ORLO-WH	-	-	-	-	-	RECESSED	LOW VOLTAGE ON/RAISE/LOWER/OFF SWITCH	48" A.F.F	1 E3.0
RM		HUBBELL	NXRCFX-2R-UNV	-	-	-	-	-	RECESSED, UON	ROOM CONTROLLER	AFC	1 E3.0
OS	•	HUBBELL	NXOS-OM-DT2	-	-	-	-	-	SURFACE	OS DENOTES OCCUPANCY SENSOR	CEILING	1 E3.0
VS	S	HUBBELL	LHMTS-G-M	-	-	-	-	-	RECESSED	LINE VOLTAGE VACANCY SENSOR	48" A.F.F	-

NOTES:

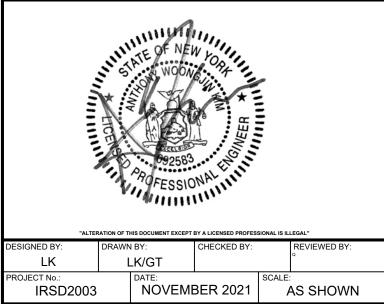
-BASEMENT

- 1. CONTRACTOR SHALL PROVIDE AN EMERGENCY BATTERY BACKUP (BODINE MODEL #ELI-S-100 OR APPROVED EQUAL). PROVIDE ALL MOUNTING HARDWARE AND ACCESSORIES AS REQUIRED TO SECURELY MOUNT NEW EMERGENCY BATTERY BACKUP. BATTERY SHALL PROVIDE 90 MIN BATTERY BACKUP. CONTRACTOR SHALL PROVIDE AND INSTALL TEST SWITCH AND TEST LIGHT ADJACENT TO FIXTURE, FLUSH IN CEILING. PROVIDE TEST SWITCH/ LIGHT AND WIRE/ CONDUIT AS REQUIRED.
- 2. CONTRACTOR SHALL COORDINATE COLOR OF LIGHT FIXTURE FINISH WITH SCHOOL DISTRICT PRIOR TO ORDERING AND INSTALLING.



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Dows Lane Elementary School 6 Dows Lane Irvington, NY 10533

SED Number:66-04-02-02-0-002-021

CONTRACT G GENERAL CONSTRUCTION, ELECTRICAL, PLUMBING AND ASBESTOS ABATEMENT WORK

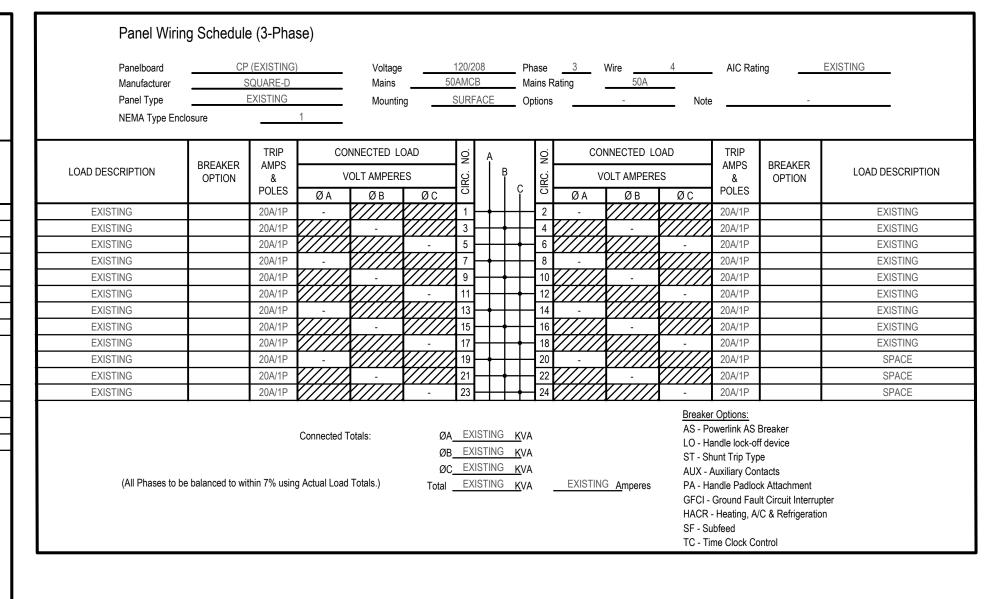
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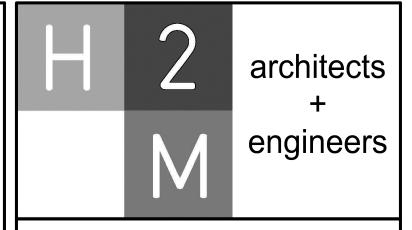
ELECTRICAL SINGLE LINE DIAGRAM, SCHEDULES AND **DETAILS**

E3.0

Panelboard Manufacturer		P1 SIEMENS		Voltage Mains		120/208 DA MCB		Phase Mains R		Wire 125A	4	AIC Rati	ng	42,000
Panel Type		P2		Mountir	ng	SURFAC	<u>E</u> (Options		-	Note	·	-	
NEMA Type Enclo	sure		1											
LOAD DESCRIPTION	BREAKER OPTION	TRIP AMPS & POLES		NNECTED L		CIRC. NO.	A B C	CIRC. NO.		NNECTED LO		TRIP AMPS & POLES	BREAKER OPTION	LOAD DESCRIPTION
PLTW CLASS (115) RECEPT.		20A/1P	900		/////	11—	++	2	180		/////	20A/1P		PLTW CLASS (115) RECEP
PLTW CLASS (113) RECEPT.		20A/1P	/////	900	V////	3 —	++	4	/////	360		20A/1P		PLTW CLASS (115) RECEP
LIB. OFFICE (114C) RECEPT.		20A/1P		/////	540	5 —	++	6		/////	180	20A/1P		PLTW CLASS (113) RECEP
LIBRARY (114) RECEPT.		20A/1P	540		1////	17 H	+++	8	360		/////	20A/1P		PLTW CLASS (113) RECEP
LIBRARY (114) RECEPT.		20A/1P	/////	540	V////	9 –	++	10	/////	360		20A/1P		CORRIDOR RECEPT.
IBRARY SMARTBOARD RECEPT.		20A/1P		/////	360	11 —	\vdash	12		//////	660	20A/1P		PLTW CLASS LIGHTING
LIBRARY SUITE LIGHTING		20A/1P	795			13 —	+++	14	-			20A/1P		SPARE
SPARE		20A/1P	/////	-		15 —	++	16	//////	-		20A/1P		SPARE
SPARE		20A/1P		/////	-	17 —	\vdash	18		/////	-	20A/1P		SPARE
SPARE		20A/1P	-		/////	19 —	+++	20	-			20A/1P		SPARE
SPARE		20A/1P	/////	-		21 —	++	22	/////	-		20A/1P		SPARE
SPARE		20A/1P		/////	-	23 —	\vdash	24		/////	-	20A/1P		SPARE
SPARE		20A/1P	-			25 —	+++	26	-			20A/1P		SPARE
SPARE		20A/1P		-		27 —	+++	28	//////	-		20A/1P		SPARE
SPARE		20A/1P			-	29 —	╀	30			-	20A/1P		SPARE
SPARE		20A/1P	· ·			31 —	+++	32	-			20A/1P		SPARE
SPARE		20A/1P		-		33 —	++	34		-		20A/1P		SPARE
SPARE		20A/1P			-	35 —	╁┼┼	36			-	20A/1P		SPARE
SPARE		20A/1P	-			37 —	+ -	38	-			20A/1P		SPARE
SPARE		20A/1P		-		39 —	++	40		-		20A/1P		SPARE
SPARE		20A/1P			-	41 —	 	42			-	20A/1P		SPARE
(All Phases to be	balanced to witl	hin 7% using	Connected To		ØA_ ØB_ ØC_ Total _	1.98	8 <u>K</u> V/	А А	16.46	<u>A</u> mperes	AS - Po LO - Ha ST - Sh AUX - A PA - Ha GFCI - HACR - SF - Su	Ground Faul Heating, A/	f device e tacts k Attachment t Circuit Interrup C & Refrigeratio	

Panelboard Manufacturer Panel Type	PANEL	PP-B (EXIST EATON PRL1A	TING)	Voltage Mains Mountir		120/208 MLO SURFA		Phase Mains R Options	•	Wire225A		•	ing <u>E</u>	EXISTING
NEMA Type Encl	osure		1											
LOAD DESCRIPTION	BREAKER OPTION	TRIP AMPS & POLES		NNECTED LO		CIRC. NO.	A B B	CIRC. NO.		ONNECTED LC		TRIP AMPS & POLES	BREAKER OPTION	LOAD DESCRIPTION
EXISTING		20A/1P	-	111111	111111	1 —	++	2	-	1/////	111111	20A/1P		EXISTING
EXISTING		20A/1P		-		3 —	+	4	/////	-		20A/1P		EXISTING
EXISTING		20A/1P		1////	-	5 —	+	6			-	20A/1P		EXISTING
EXISTING		20A/1P				7	++	8				20A/1P		EXISTING
EXISTING		20A/1P				9	+	10				20A/1P		EXISTING
EXISTING		20A/1P			-	11 —	++	12			-	20A/1P		EXISTING
EXISTING		20A/1P				13	++	14	-			20A/1P		EXISTING
EXISTING		20A/1P		-		15 —	+	16		-		20A/1P		EXISTING
EXISTING		80A/3P	////// //////	<i>-</i>		17 19 21		18 20 22	///// /////			60A/3P		EXISTING
RE ALARM CONTROL PANEL		20A/1P			-	23	++-	24			-	20A/1P		SPARE
SPARE		20A/1P	-			25	++	26	-			20A/1P		SPARE
SPARE		20A/1P		-		27	+	28		-		20A/1P		SPARE
SPARE		20A/1P			-	29	$\pm \pm$	30			-	20A/1P		SPARE
(All Phases to be	balanced to with		Connected T Actual Load		ØB_	EXIST	TING K TING K TING K	<u>(</u> VA <u>(</u> VA	EXISTII	NG <u>A</u> mperes	AS - Po LO - Ha ST - Sh AUX - A PA - Ha GFCI - (HACR - SF - Sul	Ground Faul Heating, A/	f device e tacts k Attachment t Circuit Interrupte C & Refrigeration	er

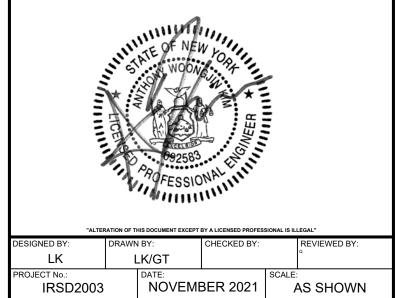




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CONSULTANTS:

MARK	DATE	DESCRIPTION
	11/18/2021	FINAL BID DOCUMENT
	MARK	MARK DATE



Irvington Union Free School District

Dows Lane Elementary School Innovation Suite



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CONTRACT G
GENERAL CONSTRUCTION,
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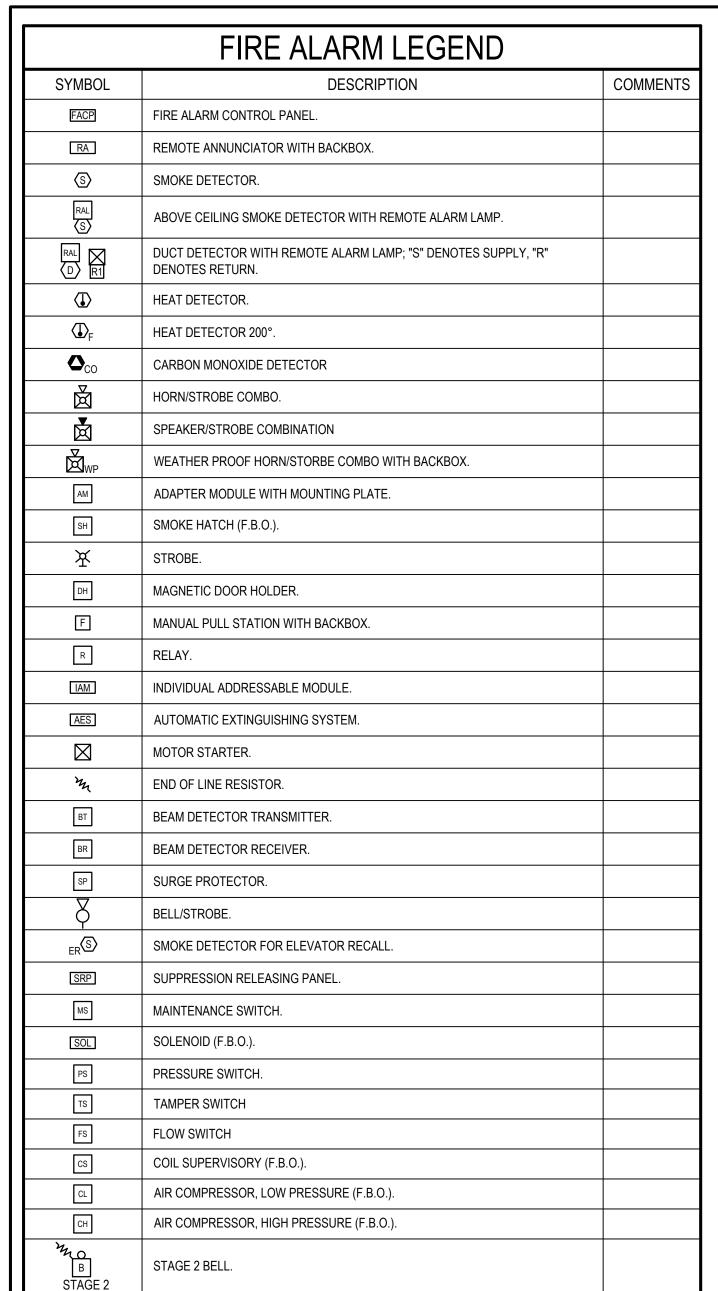
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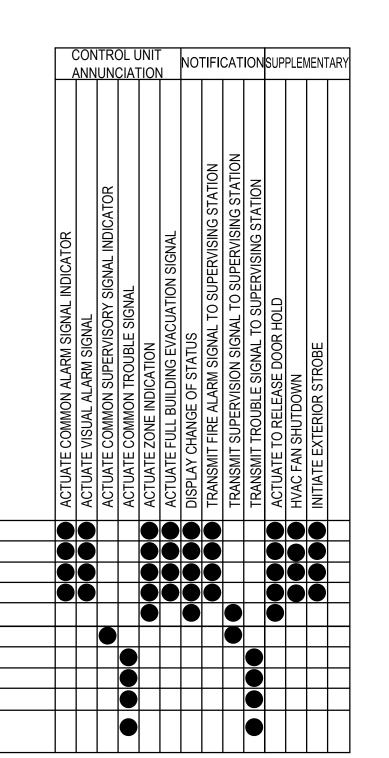
SHEET TITLE

ELECTRICAL PANEL SCHEDULES

NG No.

E4.0





Fire Alarm Sequence of Operation

SCALE: N.T.S

MANUAL PULL STATION SMOKE DETECTOR

CARBON MONOXIDE DETECTOR FIRE PANEL AC POWER FAILURE

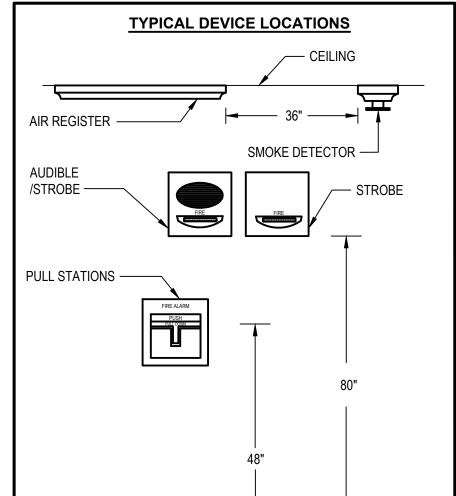
FA SYSTEM LOW BATTERY

NOTIFICATION APPLIANCE

HEAT DETECTOR DUCT DETECTOR

OPEN CIRCUIT **GROUND FAULT**

CIRCUIT SHORT



1 Typical Fire Alarm Device Location
SCALE: N.T.S

TO EXISTING DEVICES SUBSCRIPT 'E' REPRESENTS EXISTNG DEVICES (TYPICAL)—— **EDWARDS** EDWARDS EST-2 EST-3 • IAM FAN RESET IS INDEPENDENT OF FIRE ALARM RESET TWO TELEPHONE LINES (PROVIDE TWO RJ-31X JACKS) ELECTRICAL **ELECTRICAL** AND ALL ASSOCIATED WIRING.

Fire Alarm Riser Diagram (Note 18) SCALE: N.T.S

WIF	WIRE LEGEND								
	WIRE DESCRIPTION	TYPE	NOTES						
Α	1 PAIR TWISTED SHIELDED #18 AWG	FPLP	-						
В	1 PAIR #18 AWG. NON-SHIELDED	FPLP	-						
С	1 PAIR #14 AWG. NON SHIELDED	FPLP	-						
D	#12 AWG. NON SHIELDED	THHN	*						
Е	#14 AWG. NON SHIELDED	THHN	-						
F	1 PAIR TWISTED SHIELDED #16 AWG.	FPLP	-						

LEGEND - REMOVE AND DISPOSE OF ITEM IDENTIFIED, U.O.N

* PROVIDE ALL 120 VOLT CIRCUITS IN CONDUIT.

FIRE ALARM GENERAL NOTES:

- 1. ALL WIRING TO BE INSTALLED ACCORDING TO THE LATEST REVISION OF THE NATIONAL ELECTRIC CODE OR AS DICTATED BY CONTRACT SPECIFICATIONS, AND THE 2019 EDITION OF N.F.P.A 72 OR AS REQUIRED BY LOCAL ORDINANCE.
- 2. ALL CONDUCTORS MUST BE TEST FREE OF OPENS, SHORTS AND GROUNDS.
- 3. GROUNDING MUST COMPLY WITH THE NATIONAL ELECTRIC CODE. GROUNDING MUST BE NO. 12 A.W.G.
- 4. ALL PANEL TERMINATIONS TO BE SUPERVISED BY A FACTORY AUTHORIZED TECHNICIAN PRIOR TO

CONTRACTOR TO SUBMIT PLANS STAMPED BY LICENSED NEW YORK PROFESSIONAL ENGINEER

- 5. FOR COMPONENT WIRING AND INSTALLATION INFORMATION REFER TO MANUFACTURERS
- 6. REFER TO CONTRACT DRAWINGS FOR APPROXIMATE DEVICE LOCATIONS. DRAWINGS REPRESENT DEVICE QUANTITIES. SHOP DRAWINGS SHALL BE SUBMITTED SHOWING SCALED LOCATIONS.
- ONLY. SHOP DRAWINGS WITHOUT P.E STAMP WILL BE AUTOMATICALLY REJECTED. 7. CONTRACTOR RESPONSIBLE TO PATCH & PAINT ALL OPENINGS AS A RESULT OF REMOVAL OF EXISTING EQUIPMENT.
- 8. WHEN INSTALLING SHIELDED CABLE THE FOLLOWING MUST BE OBSERVED:
- A. METALLIC CONTINUITY MUST BE MAINTAINED THROUGHOUT THE CABLE RUN.
- B. THE CABLE SHIELD MUST BE ISOLATED FROM GROUND AND TERMINATED ONLY IN THE ASSOCIATED CONTROL PANEL AT THE TERMINAL INDICATED ON THE CONTROL PANEL DRAWINGS. THE REMOTE END OF THE SHIELD (AT LAST DEVICE) MUST BE TAPED AND ISOLATED FROM
- 11. ALL STROBE APPLIANCES SHALL BE SYNCHRONIZED. ALL ALARM INDICATING APPLIANCES SHALL SOUND A 'TEMPORAL 3' CODE PATTERN, FOR GENERAL FIRE ALARM AND 'TEMPORAL 4' CODE PATTERN FOR CARBON MONOXIDE ALARM.
- 12. INSTALL ALL DEVICES IN ACCORDANCE WITH A.D.A REQUIREMENTS. ALL DEVICES SHALL BE MOUNTED AS FOLLOWS:
- A. MANUAL PULL STATIONS 48" O.C.

MARSHALL AND OWNER.

- B. ALARM INDICATING APPLIANCE 80" A.F.F.
- C. VERIFY WITH CONTRACT SPECIFICATIONS FOR ANY DEVIATIONS.
- 14. STROBES SHALL BE WIRED TO REMAIN ACTIVE AFTER SILENCE FUNCTION IS PERFORMED.
- 15. PROVIDE AND INSTALL ALL NECESSARY CONTROL MODULES, SYNCHRONIZATION MODULES AND
- MONITOR MODULES AS REQUIRED BY MANUFACTURER. 16. COORDINATE EXACT LOCATION OF REMOTE ANNUNCIATOR AND F.A.C.P. WITH LOCAL FIRE
- 17. CONTRACTOR SHALL PROVIDE TWO TELEPHONE LINES AND TELEPHONE JACKS. PROVIDE ALL REQUIRED WIRING/CONDUIT TO LOCATE NEW TELEPHONE JACKS ADJACENT TO FACP.

- 18. FIRE ALARM RISER DIAGRAM IS SCHEMATIC. REFER TO FLOOR PLANS FOR DEVICE TYPES AND
- 19. IN ADDITION TO DEVICES SHOWN ON THE DRAWINGS CONTRACTOR TO PROVIDE ONE SMOKE DETECTOR, ONE PULL STATION AND ONE SPEAKER STROBE. EACH DEVICE SHALL BE INCLUDED WITH 100' OF WIRING AND/OR CONDUIT.
- 20. PROTECTIVE SHIELDS SHALL BE PROVIDED FOR ALL PULL STATIONS. SHIELDS SHALL FIT OVER MANUAL PULL STATIONS AND SHALL INCLUDE A BATTERY OPERATED PIERCING HORN WHEN THE SHIELD IS REMOVED.
- 21. PLENUM WIRING TO BE USED IN ALL AREAS ABOVE DROP CEILINGS. CONDUIT MUST BE USED IN ALL MECHANICAL AND ELECTRICAL ROOMS. CONDUIT MUST ALSO BE USED IN ALL AREAS WITH OPEN
- 22. ALL EQUIPMENT TO BE RECESSED MOUNTED AND ALL WIRING AND CONDUIT TO BE RUN CONCEALED.

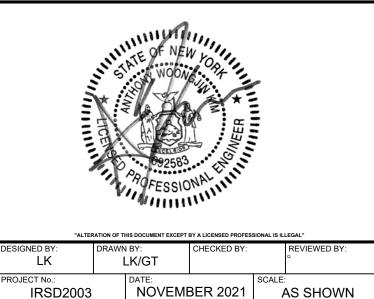


engineers

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FIRE ALARM LEGENDS, **NOTES AND RISER DIAGRAM**

FA0.0

LE	GEND			ABBRE
SYMBOL	DESCRIPTION		AFF	ABOVE FINIS
0	PIPING UP		BTU	BRITISH THE
C	PIPING DOWN		ВТИН	BTU PER HO
C	PIPING RISE OR DROP		CLG	CEILING
	BRANCH-TOP CONNECTION		СО	CLEAN OUT
	BRANCH-BOTTOM CONNECTION	i	CODP	CLEAN OUT
	REDUCER		COWP	CLEAN OUT
	CLEANOUT		cw	COLD WATE
<u> </u>	FLOOR CLEANOUT		(D)	DEMOLISH
	CAPPED PIPE		DCV	DOUBLE CHE
<u> </u>	METER		DEG. F	° FAHRENHE
	FLOOR DRAIN		DIA	DIAMETER
\Diamond	AQUASTAT		DN	DOWN
	PUMP	╽┟	(E)	EXISTING
	STRAINER		EA	EACH
<u> </u>	UNION		FAI	FRESH AIR IN
<u>''</u> .P.		$\mid \mid \mid$	FD	FLOOR DRAI
	THERMOSTATIC MIXING VALVE		G	GAS
	BALANCING VALVE (BLV)		'GC'	GENERAL CO
	GLOBE VALVE (GLV)	╽┟	GPM	GALLONS PE
	CHECK VALVE (CV)	╽┟	GPH	GALLONS PE
	GAS COCK, GAS STOP	▎┟	'H'	HVAC CONTE
<u> </u>	BALL VALVE (BV)		НР	HORSEPOWE
	BUTTERFLY VALVE (BFV)		HW	HOT WATER
<u>\$</u>	SOLENOID VALVE		HWR	HOT WATER
	PRESSURE-REDUCING VALVE (PRV)	▎┟	IN.	INCHES
	GATE VALVE (GV)		IN. W.C. (W.G.)	INCHES WAT
	PRESSURE-RELIEF VALVE (RV)	▎┟	(W.G.)	KILOWATTS
-M11-M-	BACKFLOW PREVENTER	▎┟	LBS	POUNDS
*†	FROST FREE HOSE BIBB	▎┟	M	METER
	HOSE BIBB	│	MAX	MAXIMUM
‡	RECESSED-BOX HOSE BIBB OR WALL HYDRANT	▎┟	MIN	MINIMUM
	EXPANSION JOINT	╽┟	NTS	NOT TO SCA
₽	WATER HAMMER ARRESTER	∐ ⊢	OD	OUTER DIAM
HDO	VALVE IN RISER		(P)	PROPOSED
CO T	WALL CLEANOUT (WCO)	▎┟	'P'	PLUMBING C
	PITCH DOWN OR UP IN DIRECTION OF ARROW	╽┟	PD	PRESSURE D
	FLOW IN DIRECTION OF ARROW	╽┟	RD	ROOF DRAIN
	COLD WATER (CW)	 	RPM	REVOLUTION
	TEMPERED WATER (TW)	╽┟	RPZ	REDUCED PF
	HOT WATER (HW)	╽┟	SAN/S	SANITARY
	TEMPERED WATER RETURN (TWR)	╽┟	ST	STORM DRAI
	HOT WATER RETURN (HWR)	╽┟	TEMP	TEMPERATU
_	WASTE PIPING (W,S,OW)	1	TYP	TYPICAL
	BELOW SLAB WASTE PIPING	1 	TW	TEMPERED V
	VENT PIPING (V)	 	TWR	TEMPERED V
	GAS PIPING (G)		V	VENT
	PIPING / EQUIPMENT TO BE REMOVED	 	VTR	VENT THROU
	POINT OF CONNECTION	╽┟	W	WASTE
	POINT OF DISCONNECTION			<u> </u>
ESCUTCHEON (FOR	Δ	J FIRE	E STOPPING	NOTES:

EVIATIONS ISHED FLOOR **ERMAL UNIT** Γ DECK PLATE WALL PLATE HECK VALVE DEVICE INTAKE CONSTRUCTION CONTRACTOR PER MINUTE PER HOUR TRACTOR R RETURN TER COLUMN (WATER GAUGE) METER CONTRACTOR ONS PER MINUTE PRESSURE ZONE) WATER (110°F) WATER RETURN OUGH ROOF

FIRE STOPPING NOTES: CONTRACTOR SHALL BE RESPONSIBLE FOR **ENSURING THAT PENETRATIONS ARE PROPERLY FIRE** STOPPED WITH THE FOLLOWING:

- 1.A. THE FIRE STOPPING SYSTEM AND COMPONENTS SHALL BE AS MANUFACTURED BY 3M. NO SUBSTITUTIONS SHALL BE PERMITTED.
- METAL PIPES OR CONDUIT THROUGH BLOCK WALL SHALL USE UL SYSTEM NO. CAJ1044 AND 3M PRODUCT CP25 WB & CAULK
- 1.C. METAL PIPES THROUGH GYPSUM WALLS SHALL USE UL SYSTEM NO. WL 1001 AND 3M PRODUCT CP 25 WB & CAULK

Pipe Penetrations Through Fire Rated Walls

SCALE: NTS

EXPOSED AREAS)

STOPPER PLATE.

INSULATION PIPE

1/4" THICK -

SLEEVE WITH

AS SPECIFIED

FIRESTOP SEALANT

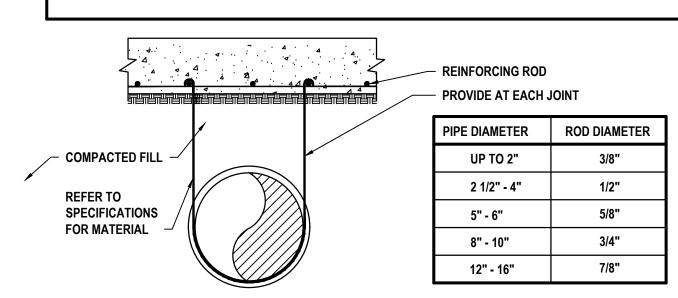
SCHEDULE 40 PIPE SLEEVE

GENERAL PLUMBING NOTES

- PROVIDE ALL MATERIALS AND EQUIPMENT AND PERFORM ALL LABOR REQUIRED TO INSTALL COMPLETE AND OPERABLE PLUMBING SYSTEMS AS INDICATED ON THE DRAWINGS, AS SPECIFIED AND AS REQUIRED BY CODE.
- THE CONTRACTOR, BY PRESENTING THEIR BID FOR THE WORK, REPRESENTS THAT HE/SHE HAS INSPECTED THE SITE AND IS COMPLETELY FAMILIAR WITH THE SCOPE OF WORK AND ALL FIELD CONDITIONS RELATED TO, AND AFFECTING THE WORK AND ITS PERFORMANCE. EXCEPTIONS AFFECTING THE WORK AND ITS PERFORMANCE, OR CONFLICTS BETWEEN FIELD CONDITIONS, SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT PRIOR TO THE SUBMISSION
- PERFORM ALL WORK IN ACCORDANCE WITH THE 2020 NEW YORK STATE PLUMBING (NYSPC), FIRE (NYSFC), MECHANICAL (NYSMC), ENERGY CONSERVATION CONSTRUCTION (NYSECC), AND FUEL GAS (NYSFGC) CODE AND THE REQUIREMENTS OF THE LOCAL AUTHORITIES HAVING JURISDICTION.
- COMPLY WITH THE NATIONAL ELECTRIC CODE AND THE REQUIREMENTS OF DIVISION 26 FOR ALL ELECTRICAL
- APPLY FOR AND SECURE ALL REQUIRED PERMITS AND INSPECTIONS AND PAY ALL COSTS FOR THE SAME.
- FIRE STOP ALL OPENINGS IN FIRE RATED CONSTRUCTION FOR PIPING, CONDUIT, ETC.
- DO NOT SCALE DRAWINGS. DRAWINGS FOR PLUMBING WORK ARE DIAGRAMMATIC AND ARE INTENDED TO CONVEY SCOPE AND GENERAL ARRANGEMENT ONLY. THE LOCATIONS OF ALL ITEMS SHOWN ON THE DRAWINGS OR CALLED FOR IN THE SPECIFICATIONS THAT ARE NOT DEFINITELY FIXED BY DIMENSIONS ARE APPROXIMATE.
- COORDINATE CONTRACT DOCUMENTS PROJECT REQUIREMENTS, WORK OF OTHERS, AND EQUIPMENT AND MATERIALS PURCHASED WITH FIELD DIMENSIONS. MANUFACTURERS REQUIREMENTS FOR INSTALLATION. OPERATION, AND MAINTENANCE, CONTRACTORS INTENDED MEANS AND METHODS OF INSTALLATION AND CONTRACTORS FABRICATED ITEMS TO ENSURE A PROPER "FIT" AND INSTALLATION. BRING ANY CONFLICTS TO THE ATTENTION OF THE ARCHITECT/ENGINEER DURING THE SUBMITTAL PHASE FOR RESOLUTION PRIOR TO PURCHASING ANY EQUIPMENT.
- MAINTAIN MAXIMUM HEADROOM AND SPACE CONDITIONS AT ALL POINTS. WHERE HEADROOM AND SPACE CONDITIONS APPEAR INADEQUATE, NOTIFY THE ARCHITECT/ENGINEER PRIOR TO PROCEEDING WITH INSTALLATION. MAINTAIN A MINIMUM OF 6'-8" CLEARANCE FROM FINISHED FLOOR TO UNDERSIDE OF PIPES, CONDUITS, SUSPENDED EQUIPMENT, ETC., THROUGHOUT ACCESS ROUTES IN MECHANICAL ROOMS.
- 10. FIELD VERIFY AND COORDINATE ALL PIPING DIMENSIONS BEFORE FABRICATION. MAKE MODIFICATIONS IN THE LAYOUT AS NEEDED TO PREVENT CONFLICT WITH WORK OF OTHER TRADES OR FOR PROPER EXECUTION OF THE WORK. OBTAIN THE APPROVAL OF THE ARCHITECT/ENGINEER FOR MODIFICATIONS.
- PROVIDE PRODUCTS OF ONE MANUFACTURER WHERE TWO OR MORE ITEMS OF THE SAME TYPE OF MATERIAL OR **EQUIPMENT IS REQUIRED.**
- 12. INSTALL ALL EQUIPMENT AND APPURTENANCES IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS, CONTRACT DOCUMENTS, AND APPLICABLE CODES AND REGULATIONS. REFER TO DETAILS FOR ADDITIONAL PIPING AND EQUIPMENT INSTALLATION REQUIREMENTS.
- 13. LOCATE ALL TEMPERATURE, PRESSURE, AND FLOW MEASURING DEVICES IN ACCESSIBLE LOCATIONS WITH STRAIGHT SECTION OF PIPE UP- AND DOWNSTREAM AS RECOMMENDED BY THE MANUFACTURER TO ENSURE MANUFACTURER CERTIFIED ACCURACY.
- COORDINATE ALL EQUIPMENT CONNECTIONS WITH MANUFACTURER'S CERTIFIED DRAWINGS. COORDINATE AND PROVIDE ALL PIPING TRANSITIONS REQUIRED FOR FINAL CONNECTIONS TO EQUIPMENT.
- COORDINATE LOCATIONS AND SIZES OF ALL FLOOR, WALL, AND ROOF OPENINGS WITH ALL OTHER TRADES. COORDINATE ALL PIPING AND EQUIPMENT SUPPORTED FROM STRUCTURE WITH GENERAL CONSTRUCTION WORK.
- 16. COMPLETE ALL PRESSURE TESTS BEFORE ANY PLUMBING EQUIPMENT, OR PIPING INSULATION IS APPLIED.
- 17. MAKE ALL ATTACHMENTS TO JOISTS, TRUSSES, OR JOIST GIRDERS AT PANEL POINTS. PROVIDE BEAM CLAMPS MEETING MSS STANDARDS. THE USE OF C-CLAMPS IS NOT PERMITTED.
- 18. PROVIDE CONCRETE PADS A MINIMUM OF 4 INCHES HIGH FOR ALL FLOOR MOUNTED EQUIPMENT. EXTEND PAD 4 INCHES BEYOND THE EQUIPMENT ON ALL SIDES.
- 19. INSTALL PIPING, AND CONDUIT CONCEALED IN AREAS HAVING HUNG CEILINGS AND/OR FURRED SPACES UNLESS OTHERWISE INDICATED ON THE DRAWINGS.
- 20. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION OF ALL ACCESSIBLE FIXTURES. MOUNT ALL SUCH FIXTURES IN ACCORDANCE WITH THE REQUIREMENTS OF THE AUTHORITY HAVING JURISDICTION.
- PROVIDE ACCESS DOORS IN WALLS, PARTITIONS, AND CEILINGS AS REQUIRED TO MAKE VALVES, WATER HAMMER ARRESTERS, ETC. READILY ACCESSIBLE.
- ARRANGE FOR, COORDINATE, AND MAKE CONNECTION TO ALL SERVICES PROVIDED BY OTHERS. CONFORM TO ALL REQUIREMENTS APPLICABLE TO CONNECTIONS IMPOSED BY UTILITY COMPANIES AND AUTHORITIES HAVING
- 23. INSTALL FIXTURES AND EQUIPMENT WITH VALVES, UNIONS, ETC. TO ALLOW FOR EASE OF SERVICE AND/OR REMOVAL
- 24. CORE DRILL ALL PENETRATIONS THROUGH CONCRETE FLOORS, WALLS, AND FOOTINGS.
- FOOTING PENETRATIONS.

25. INSTALL LINK SEAL TYPE PROTECTION FOR WATER RESISTANT SEALS AT ALL SLAB AND BELOW GROUND WALL

- 26. PROVIDE A CLEANOUT AT THE BASE OF WASTE AND VENT STACKS WITH FINISHED WALL PLATE IN FINISHED WALLS
- FURNISH AND INSTALL WATER PRESSURE REDUCING VALVE AND PRESSURE RELIEF VALVE IN ACCORDANCE WITH THE NEW YORK STATE PLUMBING CODE ON ALL INCOMING DOMESTIC WATER SYSTEMS IN EXCESS OF 80 P.S.I.G.
- 28. COVER ALL COPPER PIPING BELOW SLAB WITH "ARMAFLEX" TYPE INSULATION.
- 29. SLOPE ALL VENT PIPING TO DRAIN BACK TO THE DRAINAGE SYSTEM.
- 30. FLUSH AND DISINFECT ALL DOMESTIC POTABLE WATER PIPING AND TEST THE WATER IN ACCORDANCE WITH THE INTERNATIONAL PLUMBING CODE. PROVIDE CERTIFICATE OF PERFORMANCE AND LABORATORY TEST REPORT TO LOCAL AUTHORITIES HAVING JURISDICTION AND OBTAIN THEIR APPROVAL
- 31. PROVIDE WATER HAMMER ARRESTORS AT ALL QUICK CLOSING FIXTURE VALVE LOCATIONS.
- 32. ALL PIPING, VALVES AND FITTINGS USED FOR POTABLE WATER SHALL BE NSF 61/372 COMPLIANT AND BE TESTED FOR LOW LEAD.
- 33. ANY PENETRATIONS THROUGH AIR BARRIER SHALL BE SEALED AS PER 2020 NYSECC RESIDENTIAL AND COMMERCIAL
- ALL PIPING IN PLENUM SPACES SHALL BE CAST IRON FOR SANITARY, STORM, VENT SYSTEMS, AND COPPER PIPING FOR DOMESTIC SYSTEMS, AND STEEL PIPING FOR GAS SYSTEMS. NO PLASTIC PIPING ALLOWED.



Underground Piping Support Below Slab Detail

DEMOLITION NOTES

- PRIOR TO PROPOSAL SUBMISSION, THIS CONTRACTOR SHALL VISIT THE SITE TO REVIEW THE EXISTING CONDITIONS ASSOCIATED WITH THE SCOPE OF WORK AND ADJACENT AREAS TO ASCERTAIN THE DIFFICULTIES WHICH WILL AFFECT THE EXECUTION OF THE WORK OF THIS CONTRACT.
- 2. SUBMISSION OF A PROPOSAL WILL BE CONSTRUED AS EVIDENCE THAT THE ABOVE SITE EXAMINATION HAS BEEN MADE AND LATER CLAIMS WILL NOT BE RECOGNIZED FOR EXTRA LABOR, EQUIPMENT OR MATERIALS REQUIRED BECAUSE OF DIFFICULTIES ENCOUNTERED WHICH COULD HAVE BEEN FORESEEN HAD SUCH AN EXAMINATION BEEN
- ALL DEMOLITION WORK SHALL BE IN COMPLIANCE WITH ALL FEDERAL AND NEW YORK STATE APPLICABLE BUILDING AND LIFE AND SAFETY REGULATIONS.

SCOPE OF WORK

- DEMOLITION WORK SHALL INCLUDE ALL MATERIALS, LABOR, EXTENSIONS, CONNECTIONS, CUTTING, REPAIRING, ADAPTING AND OTHER PLUMBING WORK REQUIRED TO MAINTAIN SERVICE PENDING THE COMPLETION OF THE PERMANENT WORK. COORDINATE THE EXTENT OF DEMOLITION WORK WITH THE ARCHITECT AND BUILDING
- THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL CONSTRUCTION DEBRIS AND UNWANTED MATERIAL OFF SITE IN ACCORDANCE WITH CONTRACT SPECIFICATIONS.
- THE CONTRACTOR SHALL TAKE CARE NOT TO DAMAGE ADJOINING SURFACES OUTSIDE THE CONTRACT AREA OR SCOPE OF WORK. THE CONTRACTOR SHALL BE RESPONSIBLE TO RESTORE TO EXISTING CONDITIONS SURFACE DAMAGED DURING CONSTRUCTION INCLUDING PATCHING AND PAINTING AS REQUIRED AND DEEMED NECESSARY BY THE ARCHITECT.
- ALL EXISTING WORK REQUIRED TO REMAIN BUT INTERFERING WITH PROPOSED NEW PLUMBING (AS WELL AS ELECTRICAL, MECHANICAL AND GENERAL CONSTRUCTION WORK) SHALL BE RELOCATED AND RECONNECTED USING MATERIALS CONFORMING TO STANDARDS OF THIS CONTRACT.
- REMOVE ALL FIXTURES AS NOTED ON THE ARCHITECTURAL PLANS. PROVIDE TEMPORARY CAPS FOR HOT, COLD AND SANITARY CONNECTIONS DURING NEW CONSTRUCTION.

REMOVE BASE BUILDING PIPING AS INDICATED BELOW:

PLUMBING FIXTURES

FIXTURE NO.

SK-2

HANGER SPACING

ABS PIPE

BRASS PIPE

CAST-IRON PIPE

ALUMINUM TUBING

CPVC 1" OR SMALLER

STEEL PIPE

PVC PIPE

POLYETHYLENE

CPVC 1-1/4" OR LARGER

ALUMINUM/ POLYETHYLENE

STAINLESS STEEL DRAINAGE

COPPER OR COPPER ALLOY PIPE

COPPER OR COPPER ALLOY PIPE 11/4"Ø OR

COPPER OR COPPER ALLOY PIPE 11/2"Ø OR

PIPING MATERIAL

- REMOVE ALL ABANDONED BASE BUILDING PIPING BACK TO THE EXISTING WET COLUMNS OR SHAFTS, OR AS NOTED ON DRAWINGS. CONTRACTOR TO CONTACT BUILDING MANAGEMENT AND TENANT REGARDING REMOVAL SCOPE OF WORK TO
- MAINTAIN CONTINUITY OF ALL SERVICES TO ALL TENANTS WHO ARE TO REMAIN OPERATIONAL AND NOT BE ALL EXISTING BUILDING VALVES FOR DOMESTIC WATER MAINS AT SHAFTS ARE TO REMAIN.
- PROVIDE ADDITIONAL SUPPORT FOR ALL EXISTING PIPING TO REMAIN WHICH ARE AFFECTED BY DEMOLITION OF
- COORDINATE WITH OWNER TO DETERMINE WHETHER REMOVED EQUIPMENT IS TO BE TURNED OVER TO THE OWNER.

3. ALL FLOOR DRAINS SHALL HAVE TRAP PRIMER CONNECTION AND BE CONNECTED TO NEAREST PLUMBING FIXTURE.

HORIZONTAL

(FT)

10

10

12

2.67

12

2.67

10

DESCRIPTION

SINK - DROP IN - ELKAY MODEL DRKAD371740RC - ADA CERTIFIED - DOUBLE BOWL -

STAINLESS STEEL, 37-1/4" X 17" X 4"

FAUCET - ELKAY MODEL LKD2439C - GOOSENECK **BUBBLER - ELKAY MODEL LK1141A - PUSH BUTTON**

SINK - DROP IN - SINGLE BOWL, 21" X 15-3/4" X 6-3/8" - ADA COMPLIANT

FAUCET - CHICAGO MODEL 895-317GN2AE65VPAB - GOOSENECK

1. CHROME PLATE ALL DRAIN PIPE, FITTINGS, P-TRAPS AND SUPPLY LINES THAT ARE EXPOSED, LOCATED WITHIN VANITIES OR ACCESSIBLE CABINETS OR BEHIND WATER CLOSETS

VERTICAL

(FT)

10

15

10

15

10

10

10

10

10

15

10

10

2. MINIMUM CONNECTION SIZES INDICATED ARE EQUIPMENT CONNECTION SIZES OR CODE MINIMUM SIZES, SEE PLANS AND DIAGRAMS FOR ACTUAL SIZES REQUIRED

APPLICABLE CODES

- 2020 NEW YORK STATE BUILDING CODE (NYSBC) 1ST PRINTING
- 2020 NEW YORK STATE FIRE CODE (NYSFC) 1ST PRINTING 2020 NEW YORK STATE PLUMBING CODE (NYSPC) 1ST PRINTING
- 2020 NEW YORK STATE FUEL GAS CODE (NYSFGC) 1ST PRINTING
- 2020 NEW YORK STATE MECHANICAL CODE (NYSMC) 1ST PRINTING
- 2020 NEW YORK STATE ENERGY CONSERVATION CODE (NYSECC) 1ST PRINTING

NOTE:

COLD WATER

HANGER ROD SCHEDULE

ROD SIZE

3/8" DIA.

1/2" DIA

HANGER ROD

LOCKING NUT

SUPPORT NUT

PIPE SIZE

UP TO 2"

HEAVY DUTY

CLEVIS HANGER -

2 1/2" THRU 3"

INSULATION WHERE

SPECIFIED SHALL BUT UP

AGAINST PIPE HANGERS

SIZE

1/2

FU

- ALL FAUCETS, FITTINGS, AND VALVES MUST COMPLY WITH NSF 61 AND ASTM 372 FOR LOW LEAD PERCENTAGE
- CONTRACTOR SHALL BE RESPONSIBLE TO DEMONSTRATE COMPLIANCE WITH THE NYS DEPARTMENT OF HEALTH LEAD IN WATER REGULATION (10 NYCRR 67-4).
- AT THE CONCLUSION OF NEW PLUMBING WORK, THE CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE THE SERVICES OF A THIRD PARTY NYS LICENSED ENVIRONMENTAL TESTING LABORATORY TO PROVIDE LEAD TESTING AT ALL NEW LAVATORIES, SINKS, SHOWERS, DRINKING FOUNTAINS AND ALL OTHER FIXTURES WHERE WATER MAY BE CONSUMED FOR DRINKING. TWO COPIES OF THE REPORT MUST BE SUBMITTED, ONE COPY TO THE ENGINEER AND THE OTHER ONE TO THE OWNER.

MINIMUM CONNECTION SIZES (IN)

FU

SIZE

1-1/2

1-1/2

ROD SIZE

5/8" DIA.

1-1/2

1-1/2

HANGER ROD

LOCKING NUT

SUPPORT NUT

VAPOR BARRIER

INSULATION

16 GAUGE ZINC COATED

SHEET STEEL SADDLE

AT LEAST 12" LONG.

TEMPERED WATER

SIZE

1/2

1/2

PIPE SIZE

4" THRU 5"

HEAVY DUTY

CLEVIS HANGER

engineers

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PROJECT No.: IRSD2003		DATE: NOVEMBER 2021		SCALE: AS SHOWN	

Irvington Union Free School District

Dows Lane Elementary School Innovation Suite



Dows Lane Elementary School 6 Dows Lane Irvington, NY 10533

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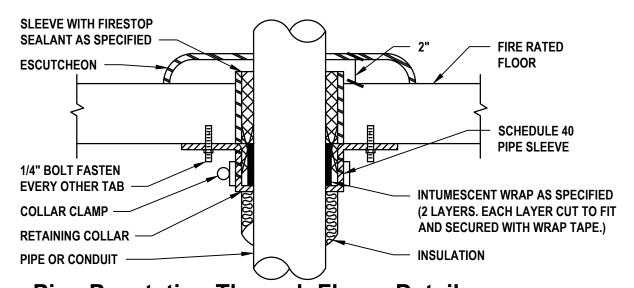
CONTRACT G GENERAL CONSTRUCTION, **ELECTRICAL, PLUMBING AND** ASBESTOS ABATEMENT WORK

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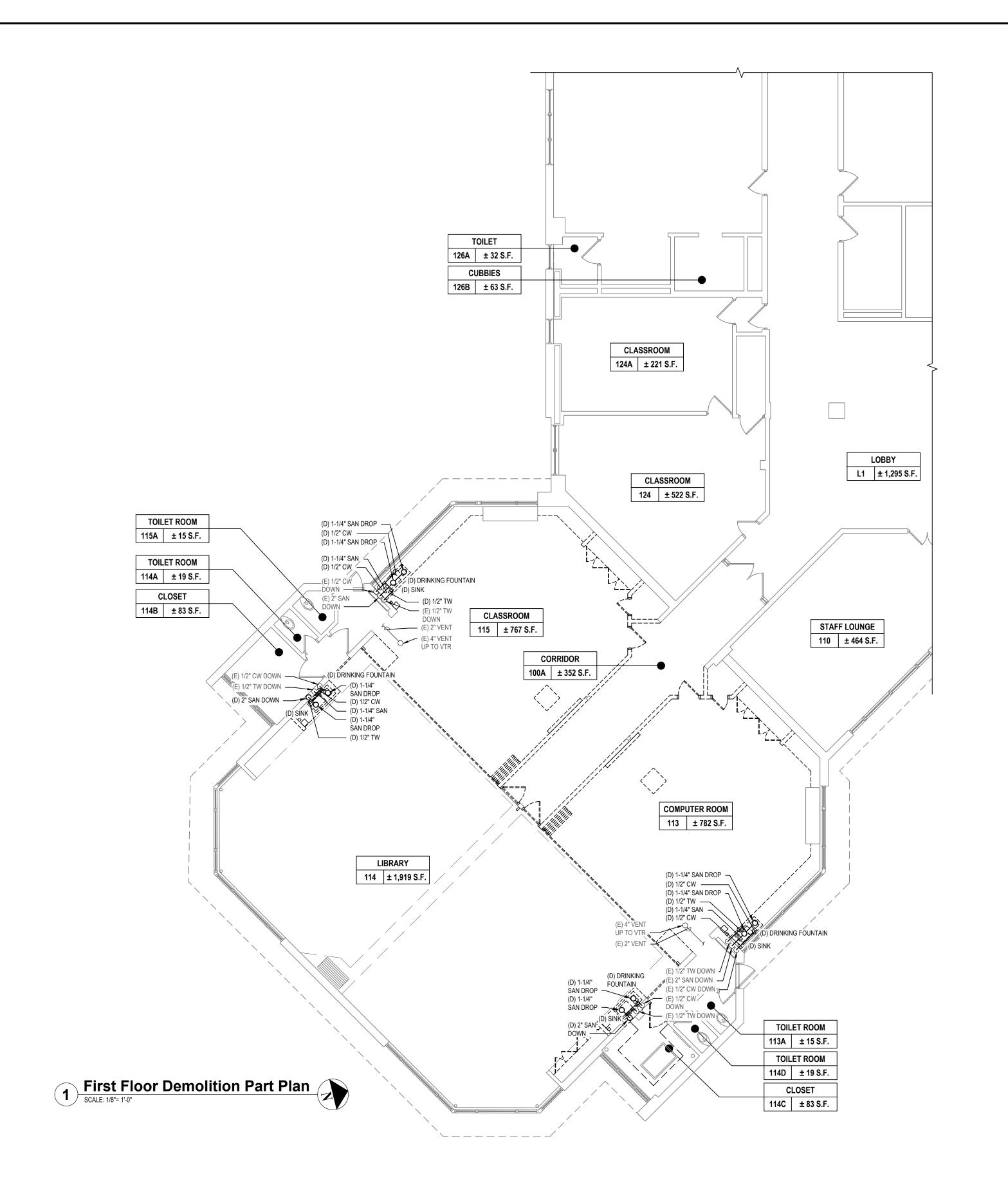
GENERAL NOTES, LEGENDS, ABBREVIATIONS, SCHEDULES & DETAILS

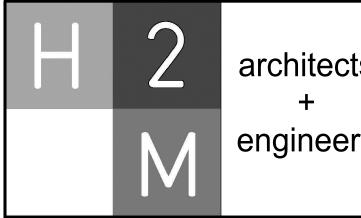
P0.0

Pipe Hanger Detail



Pipe Penetation Through Floors Detail

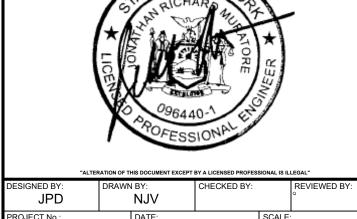




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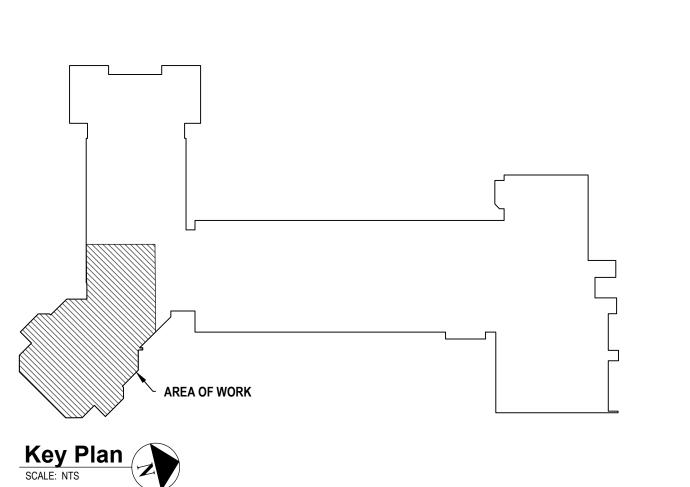
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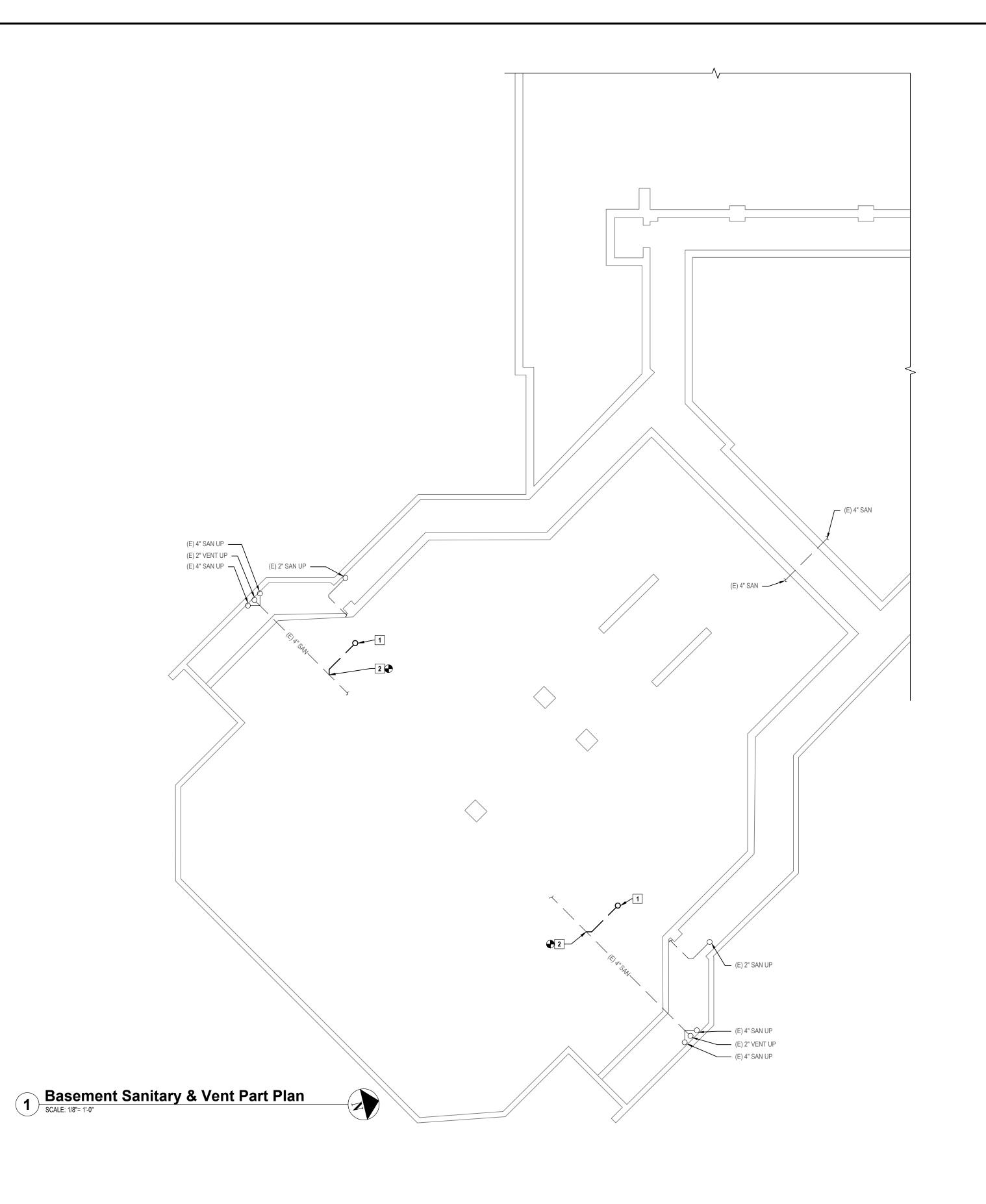
SHEET TITLE

FIRST FLOOR DEMOLITION PART PLAN

DRAWING No.

P1.0





KEYED PLUMBING NOTES:

1. 2" SAN U

2. CONNECT NEW 2" SAN TO EXISTING 4" SAN.

GENERAL PLUMBING NOTES:

- ALL WALL PENETRATIONS AND FLOOR PENETRATIONS THROUGH FIRE RATED CONSTRUCTIONS TO BE FIRESTOPPED. REFER TO ARCHITECTURAL DRAWINGS FOR
- DESIGNATION ON RATED WALL AND FLOOR CONSTRUCTION.

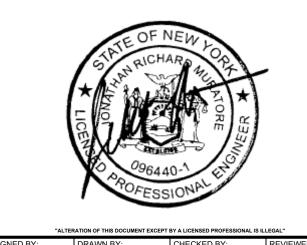
 2. EXISTING SANITARY PIPING IN UNEXCAVATED AREA LOCATION IS APPROXIMATED. CONTRACTOR TO FIELD VERIFY EXISTING SANITARY PIPING.

H 2 architects
+ engineers

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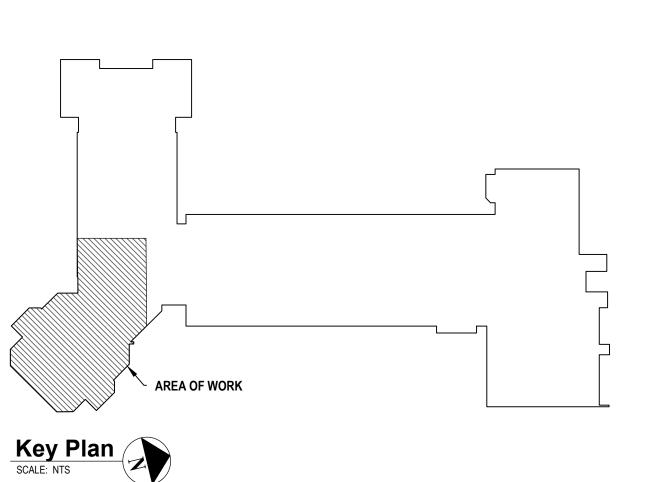
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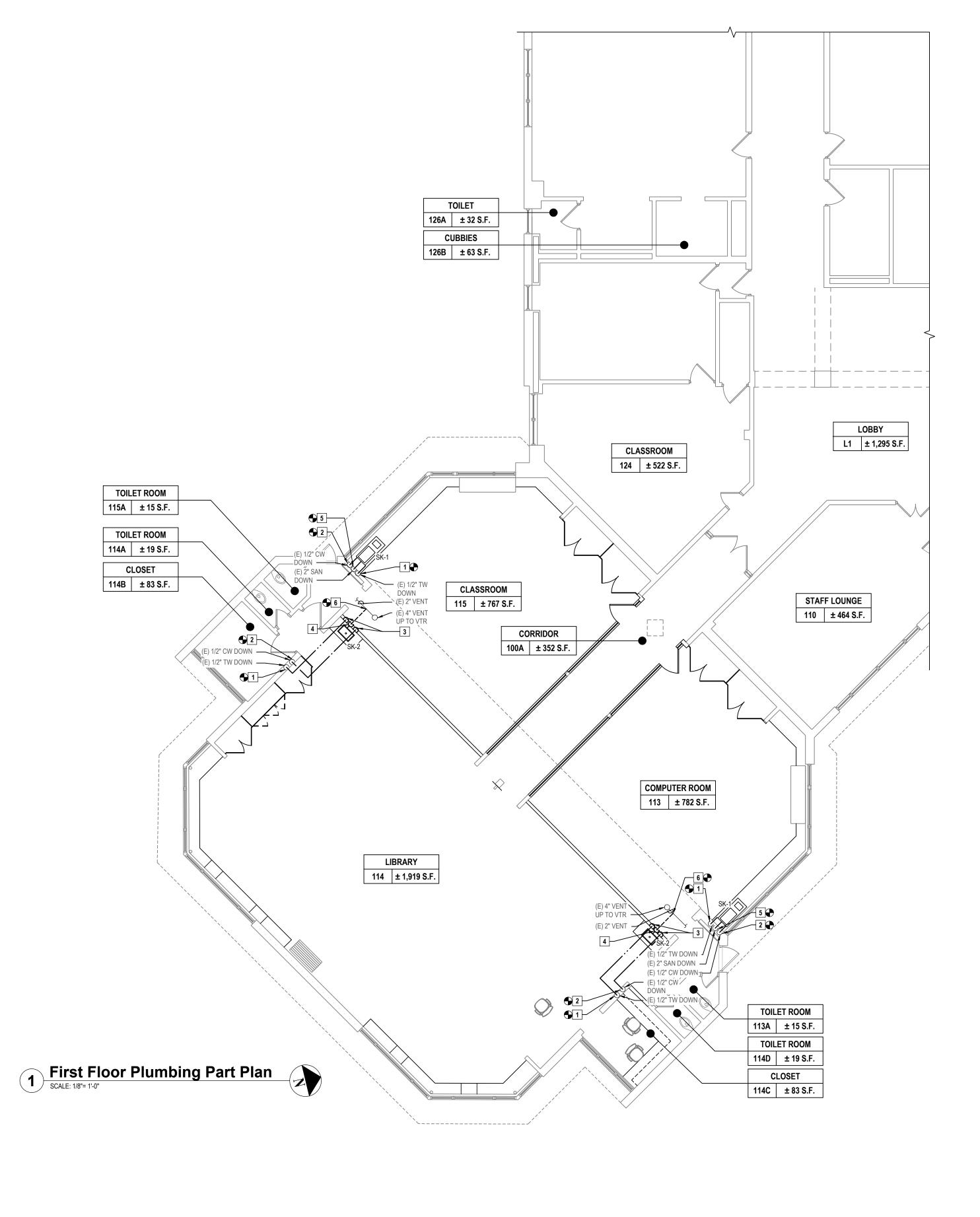
SHEET TITLE

BASEMENT SANITARY & VENT PART PLAN

WING No.

P2.0



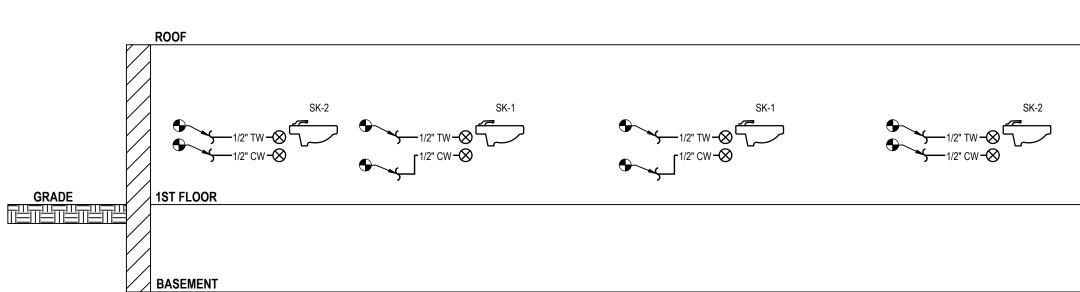


X KEYED PLUMBING NOTES: 1. CONNECT NEW 1/2" TW TO EXISTING 1/2" TW.

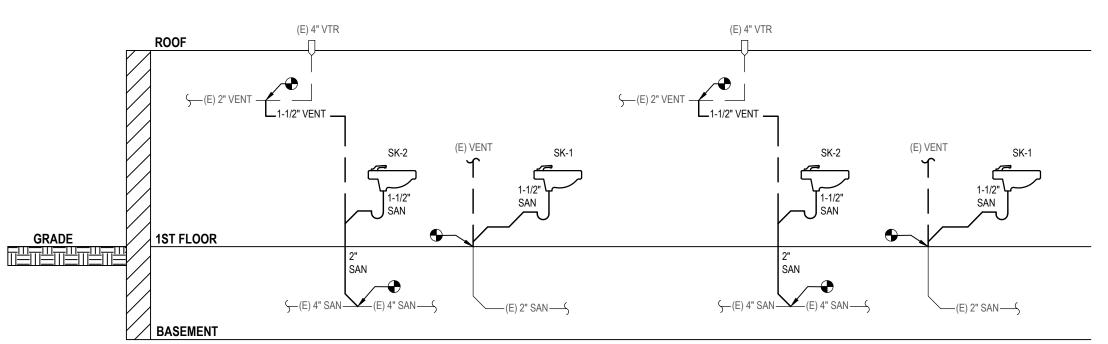
- CONNECT NEW 1/2" CW TO EXISTING 1/2" CW.
- CONNECT NEW 1/2 CW TO EXISTING 1/2 C
 1/2" CW AND TW DROP.
- 4. 2" SAN DOWN. 1-1/2" VENT DROP.
- 5. CONNECT NEW 1-1/2" SAN TO EXISTING 2" SAN.
- 6. CONNECT NEW 1-1/2" VENT TO EXISTING 2" VENT.

GENERAL PLUMBING NOTES:

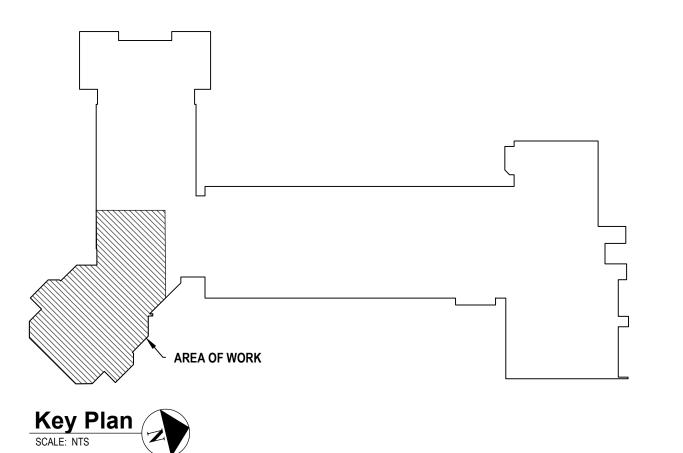
ALL WALL PENETRATIONS AND FLOOR PENETRATIONS THROUGH FIRE RATED CONSTRUCTIONS TO BE FIRESTOPPED. REFER TO ARCHITECTURAL DRAWINGS FOR DESIGNATION ON RATED WALL AND FLOOR CONSTRUCTION.

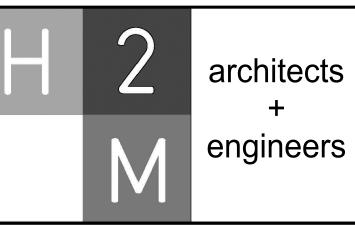


2 Domestic Riser Diagram
SCALE: NTS



Sanitary & Vent Riser Diagram
SCALE: NTS

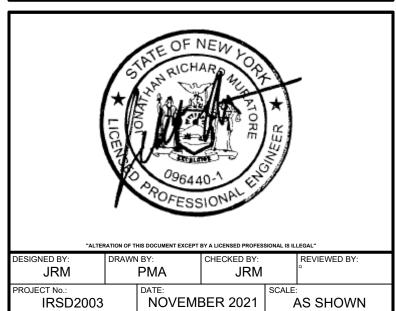




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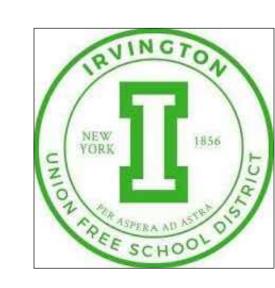
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FIRST FLOOR PLUMBING PART PLAN AND RISER DIAGRAMS

NG No.

P2.1