WHITE PLAINS CITY SCHOOL DISTRICT UPGRADES AT GEORGE WASHINGTON ELEMENTARY SCHOOL

100 ORCHARD STREET, WHITE PLAINS, NY 10604

SED PROJECT CONTROL NUMBER 66-22-00-01-0-009-018

CONTRACT G - GENERAL CONSTRUCTION

ELECTRICAL DRAWINGS

E001.00 ELECTRICAL LEGENDS

FIRE ALARM LEGENDS AND RISER DIAGRAI

E 500.00 ELECTRICAL DETAILS AND SCHEDULES

E 600.00 ELECTRICAL PANEL SCHEDULES

E 610.00 ELECTRIC SINGLE LINE DIAGRAM

KITCHEN AND SERVING LINE ELECTRICAL LIGHTING PLAN

ABBREVIATIONS Air Conditioning Fire Retardant American Concrete Institute Footing Acoustical Ceiling Ti Gypsum Wall Board Air Conditioning Uni Gypsum Gypsum Board Adjustable Handicapped Hollow Metal Architect/Engine Above Finish Floo Horizontal Aluminum Hot Water Insulation/Insulating ANSI American National Standards Institute Interior APA Lavatory **APPROX** Leader ASPH Light ASTM American Society for Testing & Materials Luxury Vinyl Tile AWS American Welding Society Maximum Fire Blanket Mechanical Miscellaneous Balance Bulletin Boar Masonry Opening Moisture Resistan BLDG Not in Contract Not to Scale On Center Outside Diameter Bottom Of Plywood Bottom Of Linte Pounds per Square Foot Bottom Pounds per Square Inch Painted Polyvinyl Chloride Radius or Riser CLO Reflected Ceiling Plan Roof Drain Column Reinforced CONC Concrete Construction Rough Opening CONST CONT Continuous CORR Corridor Specifications CPT Carpet Square Downspout Stainless Steel Dishwasher STL TEMP Temperature DWG Drawing TER Each Terrazzo THK Elevation Thick Electric/Electrical ELEC Typical UTIL ELEV Elevator Utility **Electrical Panel** Vapor Barrier VCT Vinyl Composition Tile EPY Epoxy Coating Vertical Equipment V.I.F. Verified In Field **EQUIP** VTR **EXIST** Existing Vent Thru Roof **EXST** Exhaust Water Closet Fresh Air Intake Water Heater

Welded Wire Fabric

GENERAL NOTES

ALL WORK SHALL COMPLY WITH THE 2020 NEW YORK STATE BUILDING CODE AS WELL AS THE NEW YORK STATE EDUCATION DEPARTMENT MANUAL OF PLANNING

ALL NOTES APPEARING HEREIN, WITH THOSE ON VARIOUS DRAWINGS SHALL APPLY TO ALL DRAWINGS AND FORM PART OF THE CONTRACT DOCUMENTS.

SQUARE FOOTAGES, LOCATIONS AND QUANTITIES OF ALL ITEMS AND/OR SPACES WHETHER INDICATED IN THE DRAWINGS OR NOT

DO NOT SCALE MEASURE ANY DRAWING. VERIFY THE FIGURES, DIMENSIONS AND DESIGN INTENTION SHOWN ON THE DRAWINGS BEFORE BEGINNING LAYOUT OF THE WORK AND REPORT ANY ERRORS, INACCURACIES, OR CONFLICTS TO THE ARCHITECT/ENGINEER IN WRITING BEFORE BEGINNING ANY WORK.

VERIFY EXACT LAYOUT COMPATIBILITY WITH ALL EXISTING CONDITIONS BEFOR

NOTED OTHERWISE. PROTECT ALL OTHER AREAS. CONTRACTORS SHALL BE RESPONSIBLE FOR ALL PATCH AND REPAIR OF EXISTING FINISHES WHICH ARE

EACH CONTRACTOR SHALL COMPLY WITH THE REQUIREMENTS OF ANSI AND PROVIDE WHERE APPLICABLE ADA COMPLIANT BUILDING COMPONENTS.

THE OWNER RESUMES THE RIGHT AT ALL TIMES TO DELIVER, PLACE AND INSTALI EQUIPMENT AND FURNISHINGS AS THE WORK PROGRESSES SO LONG AS THERE IS NOT A CONFLICT WITH THE CONTRACTORS.

0. THE CONTRACTOR SHALL MAINTAIN AT THE SITE ONE RECORD COPY OF ALL DRAWINGS, SPECIFICATIONS AND APPROVED SHOP DRAWINGS AND APPROVED SAMPLES MARKED CURRENTLY TO RECORD ALL CHANGES DURING CONSTRUCTION.

ANY CHANGES TO THE SCOPE OF WORK OR IN THE CONSTRUCTION DETAILS, WHETHER DUE TO FIELD CONDITIONS OR OMISSION SHALL BE DOCUMENTED BY THE ARCHITECT PRIOR TO EXECUTION. ANY INCREASE OR DECREASE IN THE CONTRACT PRICE MUST BE APPROVED IN WRITING PRIOR TO EXECUTION.

2. THE SCOPE OF WORK FOR THIS PROJECT INCLUDES BUT IS NOT LIMITED TO RENOVATION OF SCHOOL EXISTING, KITCHEN, AND CAFETERIA SERVING LINE. THIS INCLUDES RECONFIGURATION OF SPACES. REMOVAL OF EXISTING EQUIPMENT AND CEILING/ LIGHTING AND REPLACEMENT WITH NEW. ADDING A NEW ROOF TOP UNIT

ROOM DESIGNATION

SECTION MARK

DETAIL SYMBOL

ELEVATION KEY

REFERENCE

ELEVATION LINE

PARTITION TYPE

REVISION

INTERIOR ELEVATION

DRAWING LIST

NFORMATIONAL DRAWINGS (ALL CONTRACTS) 6 000.00 GENERAL NOTES. DRAWING LIST, STAGING PLAN, EXIT PLAN AND LEGENDS G 100.00 FIRST FLOOR LIFE SAFETY PLAN

G 101.00 SECOND FLOOR LIFE SAFETY PLAN G 102.00 THIRD FLOOR LIFE SAFETY PLAN

AD 100.00 KITCHEN & SERVING LINE DEMOLITION PLAN

AD 120.00 KITCHEN & SERVING LINE REFLECTED CEILING DEMOLITION PLAN

A 100.00 KITCHEN & SERVING LINE CONSTRUCTION PLAN A 101.00 KITCHEN & SERVING LINE REFLECTED CEILING PLAN

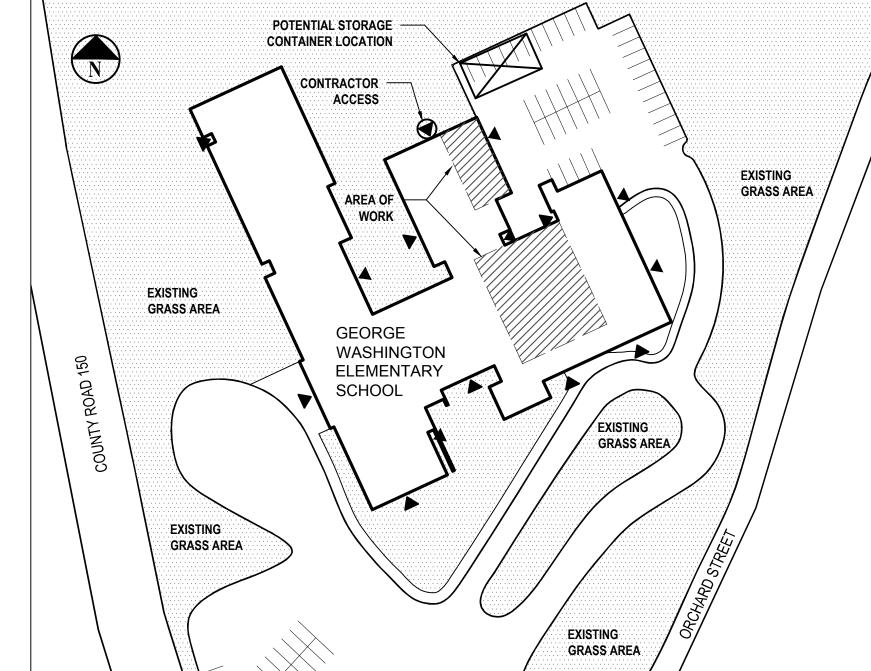
A 102.00 GYMNASIUM ROOF PLAN A 103.00 GYMNASIUM ROOF DETAILS A 600.00 SCHEDULES & DETAILS

M 001.00 MECHANICAL GENERAL NOTES AND LEGENDS M 100.00 MECHANICAL CONSTRUCTION PLAN- FIRST FLOOR M 140.00 MECHANICAL CONSTRUCTION PLAN- ROOF

M 500.00 MECHANICAL DETAILS

P 001.00 PLUMBING GENERAL NOTES, LEGENDS, AND ABBREVIATIONS P 100.00 PLUMBING KITCHEN DEMOLITION AND CONSTRUCTION PLAN

STAGING PLAN



STAGING NOTES

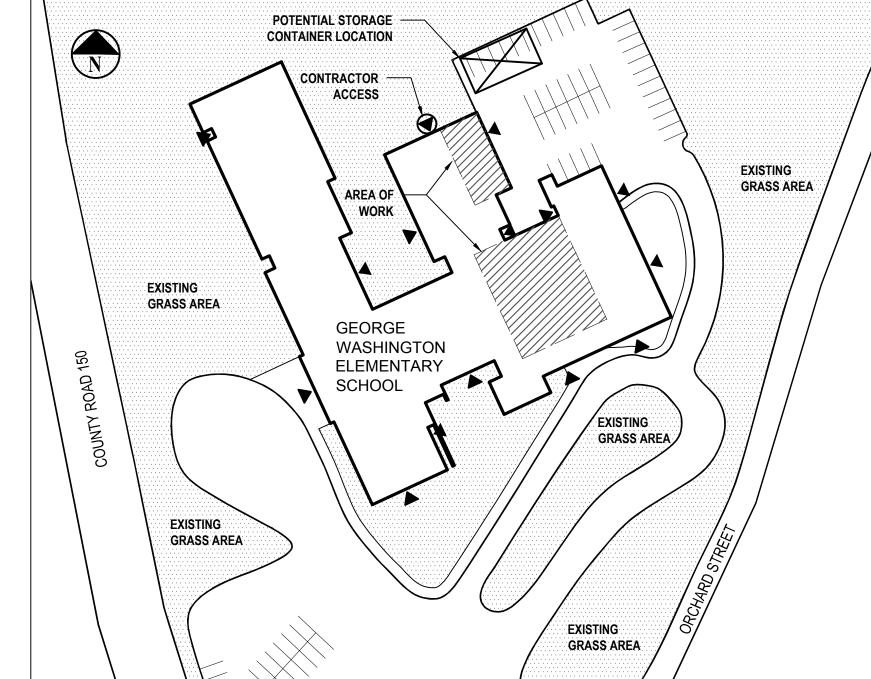
- POST SIGNS INDICATING CONSTRUCTION AREA AND CONSTRUCTION EMPLOYER ENTRANCE
- CONSTRUCTION FENCE TO BE 8'-0" HIGH CHAIN LINK FENCE LOCATED A MINIMUM OF 15'-0" FROM ALL WINDOW OPENINGS. ALL GATES ARE TO BE LOCKED AT ALL TIMES, EXCEPT FOR WHEN A WORKER IS IN ATTENDANCE TO PREVENT UNAUTHORIZED ENTRY. SEE UNIFORM SAFETY STANDARDS - FOR SCHOOL CONSTRUCTION AND MAINTENANCE PROJECTS.
- CONTRACTOR IS TO STAGE ON THE SITE IN SUCH A MANNER AS TO NOT BLOCK OR ENCROACH UPON EXISTING EXITS/ENTRANCES TO BUILDING, AND VEHICLE ACCESS.
- CONTRACTOR SHALL RESTORE ALL STAGING AREAS TO PRE-CONSTRUCTION CONDITION, UPON COMPLETION OF WORK IN THAT AREA.
- 5. CONTRACTOR TO COORDINATE CONSTRUCTION WORK WITH THE SCHOOL'S HEALTH AND SAFETY COMMITTEE EMERGENCY EXIT PLAN. NO FIRE DRILL EVACUATION EXISTS TO BE BLOCKED AT ANY TIME DURING CONSTRUCTION.

RENOVATION WORK IS SCHEDULED TO BE COMPLETED WHEN SCHOOL IS NOT IN SESSION AND THEREFORE WILL NOT HAVE AN IMPACT ON STUDENT ENTRANCE/EXIT EGRESS.

SYMBOLS

AREA OF WORK

▲ STAFF ENTRANCE / EGRESS

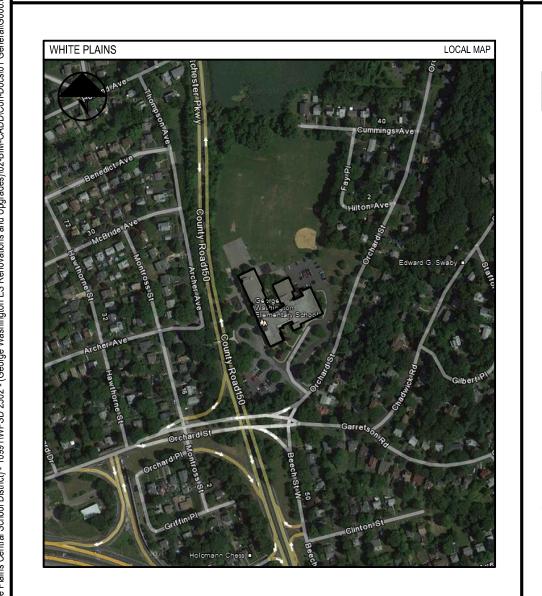


LOCATION MAPS

Fire Code

Floor Drain

SYMBOLS LEGEND UNIFORM SAFETY STANDARDS - FOR SCHOOL CONSTRUCTION AND MAINTENANCE PROJECTS



THE OCCUPIED PORTION OF ANY SCHOOL BUILDING SHALL 4. SEPARATION OF CONSTRUCTION AREAS FROM OCCUPIED ALWAYS COMPLY WITH THE MINIMUM REQUIREMENTS NECESSARY TO MAINTAIN A CERTIFICATE OF OCCUPANCY.

2. ALL SCHOOL AREAS TO BE DISTURBED DURING RENOVATION OR DEMOLITION HAVE BEEN TESTED FOR ASBESTOS AND SOME MATERIALS WERE FOUND TO BE CONCRETE POSITIVE. IF ENCOUNTERED, THE CONTRACTOR SHALL ABATE MATERIAL AS PER SPECIFICATION SECTION 028200 AGGREGAT SUB-BASE **AGGREGATE** ASBESTOS ABATEMENT, ALL TEST RESULTS CAN BE FOUND IN THIS SPECIFICATION SECTION.

EARTH

PLYWOOD

STEEL

WOOD

BATT INSULATION

RIGID INSULATION

GENERAL SAFETY AND SECURITY STANDARDS FOR CONSTRUCTION PROJECTS:

> (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.

- 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.
- (2) 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 DROPPED OR THROWN OUTSIDE THE WALLS OF THE BUILDING.
- (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.
- 5. A PLAN DETAILING HOW EXITING REQUIRED BY THE APPLICABLE BUILDING CODE WILL BE MAINTAINED.

- 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.
- 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.
- R 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.
- 9. 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.

- 10 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
- 11. 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.
- 12. 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.
- 13. 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.
- 14. ALL PAINTED SURFACES TO BE DISTURBED DURING CONSTRUCTION AND/OR DEMOLITION UNDER THE SCOPE OF THIS PROJECT HAS BEEN TESTED FOR LEAD CONTENT IN

GUIDELINES. ALL MATERIALS THAT ARE ASSUMED POSITIVE OR TESTED POSITIVE AND IDENTIFIED IN THE ACM REPORT WHICH ARE TO BE DISTURBED UNDER THE PROJECT ARE SCHEDULED FOR REMOVAL UNDER THE TERMS OF SECTION 022600 OF THE PROJECT SPECIFICATIONS. TRACES OF LEAD WERE ALSO DETECTED IN OTHER MATERIALS, THEREFORE THE CONTRACTOR SHALL TAKE THE PROPER MEASURES TO PROTECT AND TRAIN WORKERS PER OSHA REGULATIONS.

ACCORDANCE WITH USEPA REGULATIONS AND PER HUD

- 15. 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
- **16.** 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
- 17. 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.

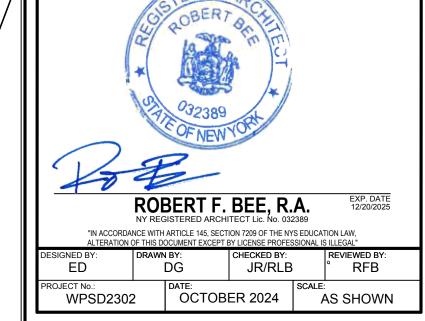


architects

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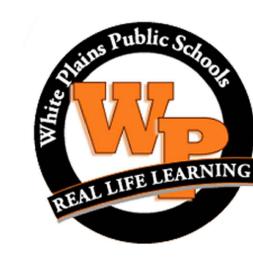
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WHITE PLAINS CITY **SCHOOL DISTRICT**

RENOVATIONS AND UPGRADES **GEORGE WASHINGTON ELEMENTARY SCHOOL**



100 Orchard Street White Plains NY, 10604

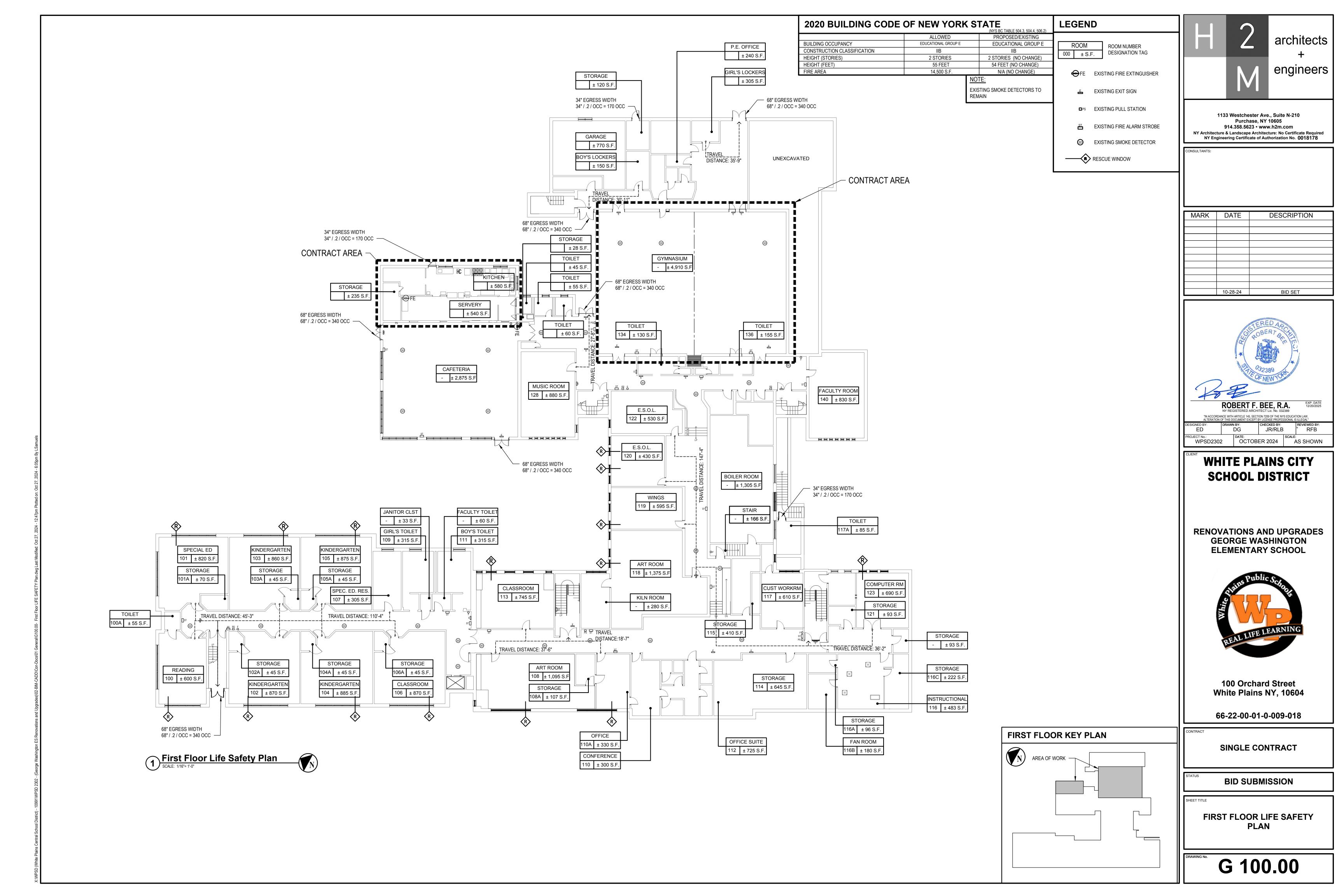
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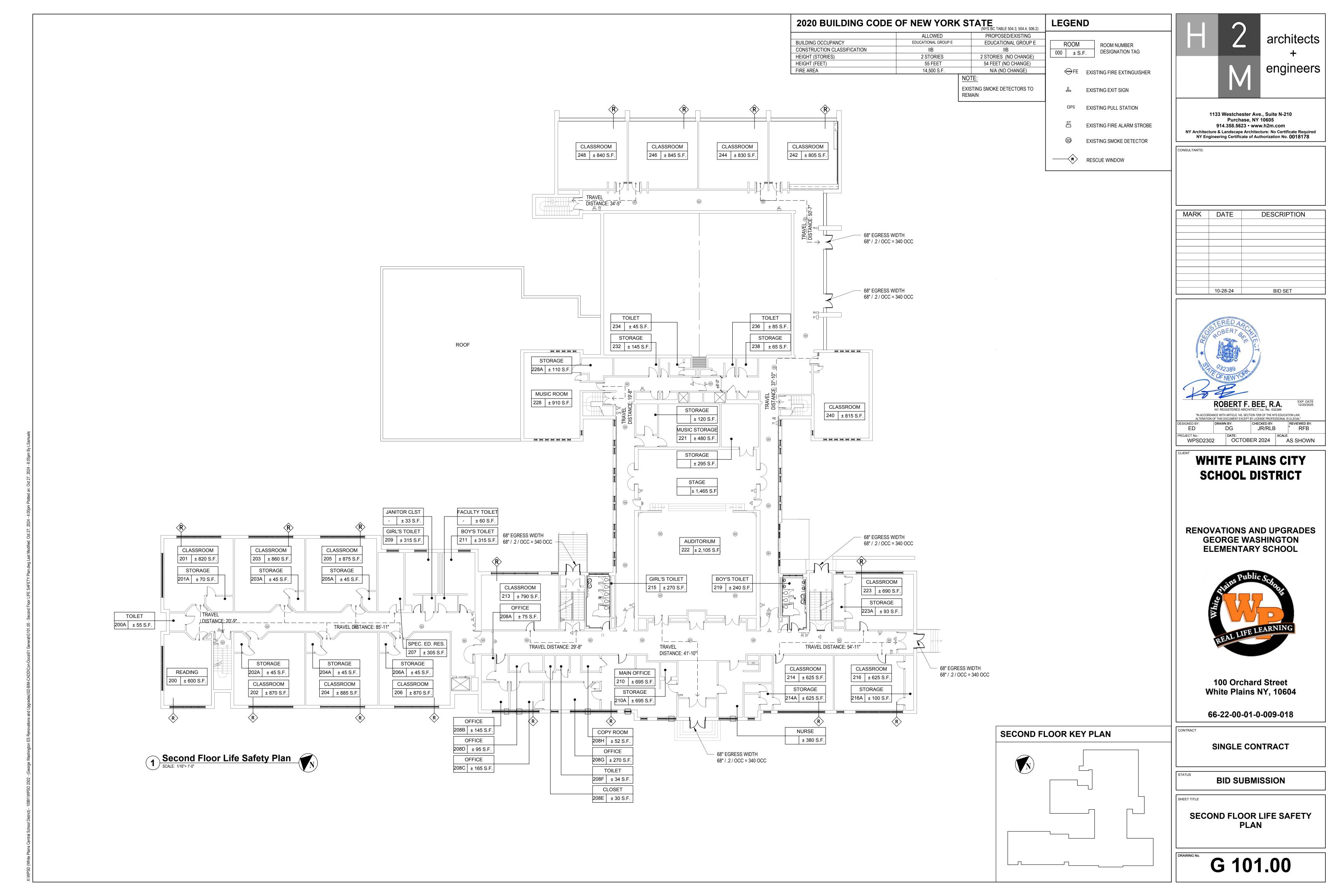
SINGLE CONTRACT

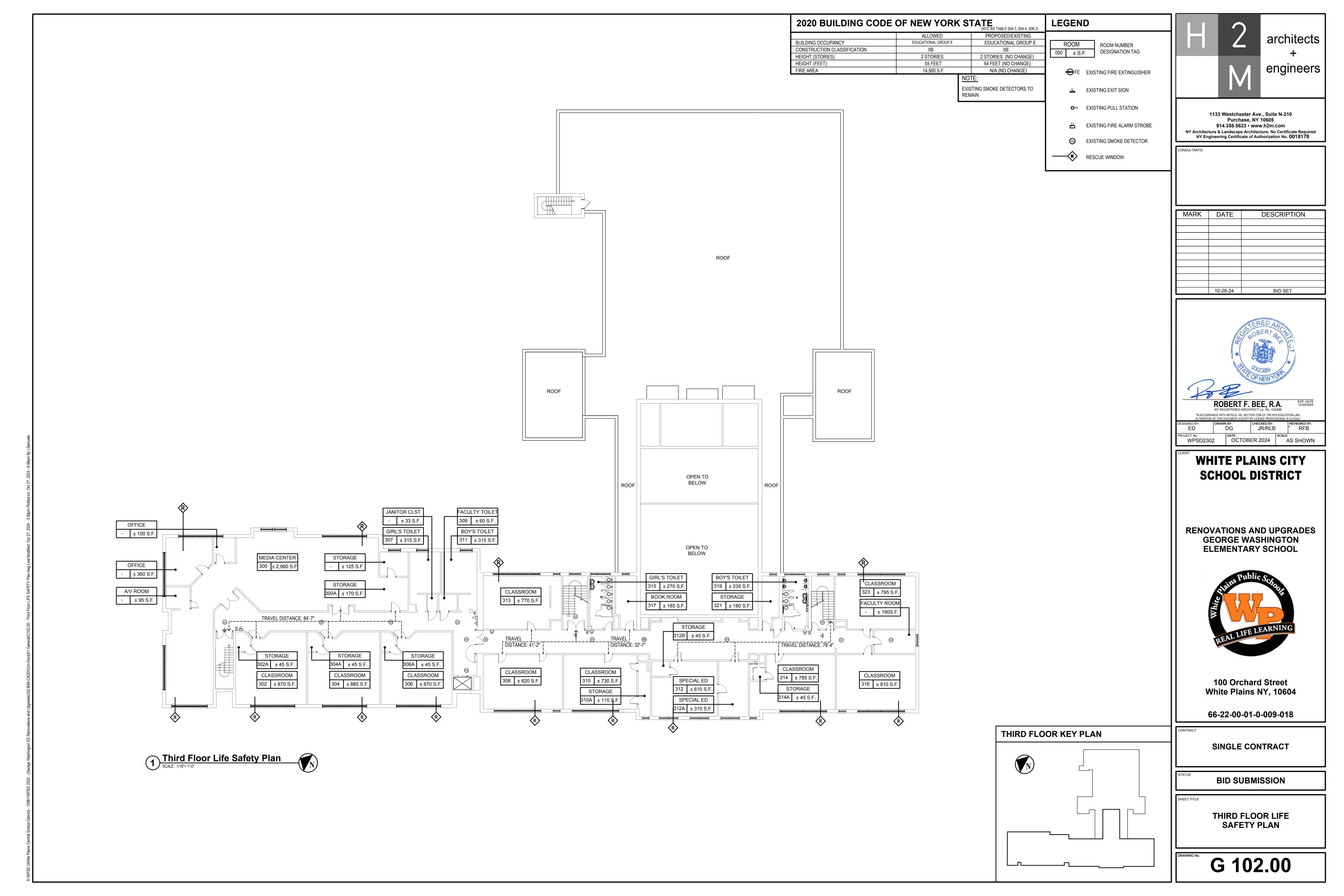
BID SUBMISSION

GENERAL NOTES, DRAWING LIST, STAGING PLAN, EXIT PLAN AND LEGENDS

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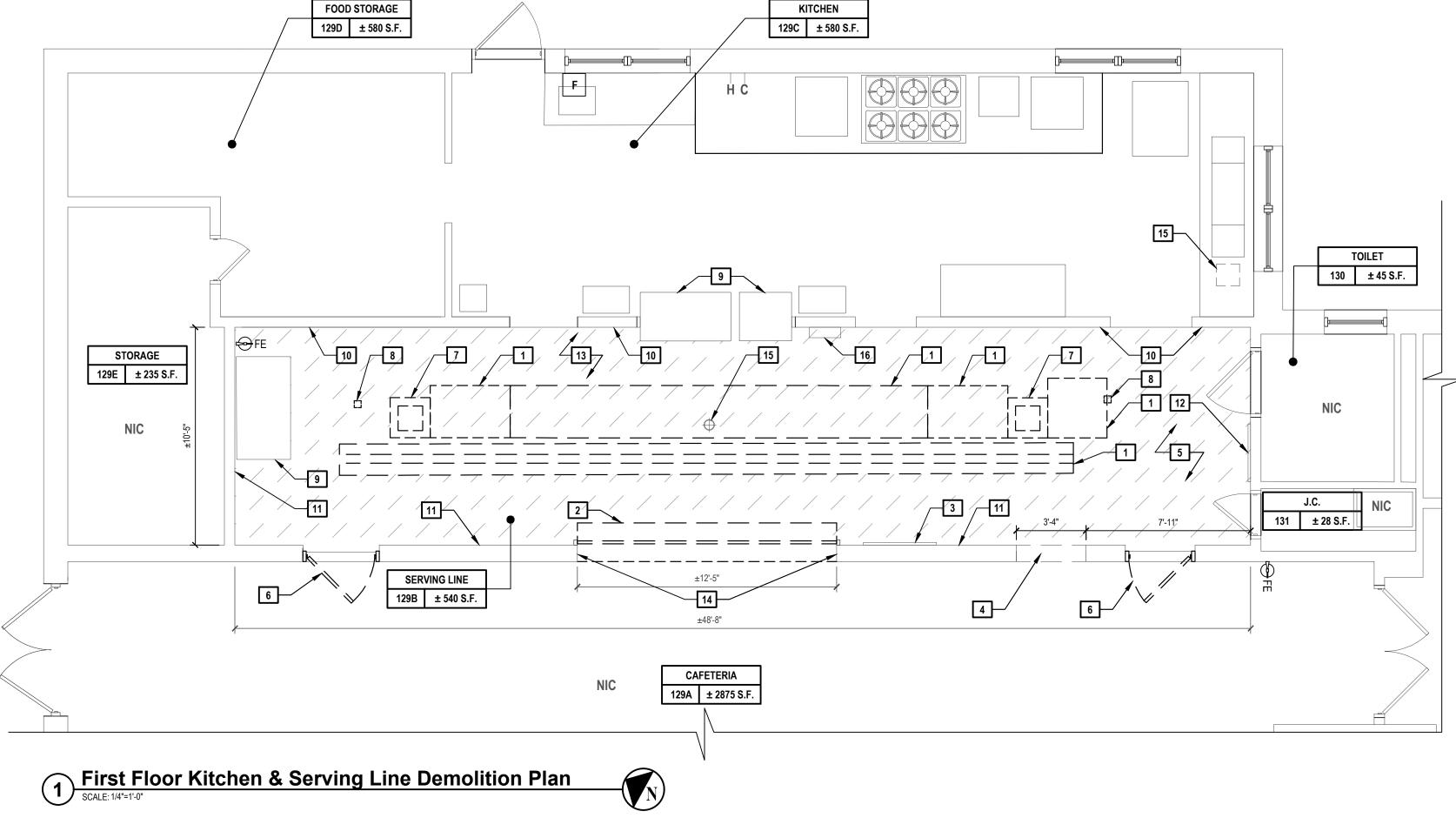


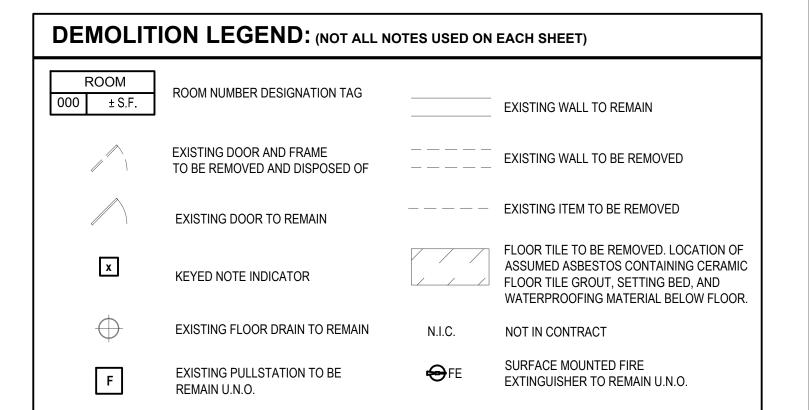




ASBESTOS ABATEMENT NOTES

- 1. ASBESTOS ABATEMENT WORK SHALL CONFORM TO ALL APPLICABLE CODE REQUIREMENTS ALONG WITH SPECIFICATION SECTION 028200 AND INDUSTRIAL CODE RULE 56.
- 2. 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.
- 3. FOR LOCATIONS AND APPROX. QUANTITIES IDENTIFIED, SEE SPECIFICATION 028200 AND THE REPORT LOCATED IN 'APPENDIX A".
- 4. THE CONTRACTOR SHALL BE RESPONSIBLE TO PERFORM PERSONAL AIR MONITORING ON ITS EMPLOYEES IN ACCORDANCE WITH OSHA REGULATIONS.
- 5. THIRD PARTY PROJECT MONITORING AND AIR SAMPLING SHALL BE CONDUCTED BY A CONSULTANT FIRM HIRED DIRECTLY BY THE DISTRICT
- 6. 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.
- 7. 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.
- B. ALL OPENINGS AND PENETRATIONS INCLUDING, BUT NOT LIMITED TO, WINDOWS, DOORS, DUCTS, LOUVERS AND GRILLES WITHIN AREAS OF WORK SHALL BE COVERED WITH 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





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 DOCUMENTS.
- 3. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND QUANTITIES OF ALL ITEMS TO BE REMOVED PRIOR TO START OF WORK.
- 4. 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.
 - 5. 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 AFFECTEI SURFACES SHALL BE PATCHED AND PAINTED TO MATCH EXISTING.
- 7. 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 MAINTAIN EXISTING DOORS AND FRAMES TO REMAIN, AS REQUIRED THROUGHOUT COURSE OF WORK, INCLUDING ALL RELATED HARDWARE AND ACCESSORIES.
- 9. 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.
- 0. CONTRACTOR SHALL BE RESPONSIBLE TO WIPE DOWN AND CLEAN ALL ROOMS WHERE WORK IS BEING DONE UPON COMPLETION OF THE DEMO WORK AS WELL AS ADJACENT AREAS AFFECTED BY THE WORK
- 11. 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.
- 12. THE CONTRACTOR ACCESS SHALL BE AS CALLED OUT ON SHEET G000. THE CONTRACTOR SHALL ADEQUATELY PROTECT ALL EXISTING FINISHES SCHEDULED TO REMAIN ALONG THE ACCESS ROUTE AND ADJOINING SURFACES OUTSIDE THE CONTRACT AREA OR SCOPE OF WORK FROM DAMAGE DURING THE PROJECT DURATION. THE CONTRACTOR SHALL BE RESPONSIBLE TO RESTORE EXISTING CONDITIONS AND/OR FINISHES DAMAGED DURING CONSTRUCTION INCLUDING PATCHING AND PAINTING AS REQUIRED AND DEEMED NECESSARY BY THE ARCHITECT AT NO ADDITIONAL COST TO THE OWNER.
- 13. CONTRACTOR SHALL PROTECT EXISTING MECHANICAL SYSTEMS AND COORDINATE LOCATIONS WITH NEW CEILING SYSTEM.

DEMOLITION WORK KEY NOTES

- CONTRACTOR SHALL REMOVE AND DISPOSE OF EXISTING LOW WALL AND EXISTING CAFETERIA SERVING LINE EQUIPMENT AND ASSOCIATED PLUMBING. SEE PLUMBING DRAWINGS FOR MORE INFORMATION.
- CONTRACTOR SHALL REMOVE AND DISPOSE OF EXISTING OVERHEAD DOOR, FRAME AND HARDWARE. REMOVAL SHALL INCLUDE BUT IS NOT LIMITED TO ALL DEVICES USED TO SECURE OVERHEAD DOOR & FRAME IN PLACE. CONTRACTOR SHALL PREPARE OPENING TO RECEIVE NEW CONSTRUCTION. REFER TO ELECTRICAL DRAWINGS FOR MORE INFORMATION.
- 3 LOCATION OF EXISTING TRANSFER GRILLE AND FIRE DAMPER TO REMAIN
- CONTRACTOR SHALL SAWCUT, REMOVE & DISPOSE OF EXISTING INTERIOR MASONRY BLOCK WALL AS REQUIRED FOR NEW MASONRY OPENING, NEW STRUCTURAL LINTEL AND ONE DOOR. SUPPORT AND BRACE WALL AS REQUIRED FOR INSTALLATION OF NEW LINTEL.
- CONTRACTOR SHALL COMPLETELY REMOVE & DISPOSE OF EXISTING CERAMIC FLOOR TILE AND ALL UNDERLAYMENTS DOWN TO THE EXISTING CONCRETE SLAB/SUB-FLOOR. REMOVAL SHALL INCLUDE BUT NOT LIMITED TO TILE COVE BASE AND ALL ADHESIVES, FASTENERS AND UNDERLAYMENTS USED TO SECURE THE TILE IN PLACE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSPECTING THE CONDITION OF THE EXISTING CONCRETE SLAB/SUBFLOOR, PATCH AND LEVEL THE EXISTING CONCRETE SLAB/SUB-FLOOR AS NEEDED TO ENSURE A LEVEL FLOOR, FREE OF DIPS, WAVES AND DEPRESSIONS, PREP SUB-FLOOR AS PER MANUFACTURES SPECIFICATIONS. FOR LOCATIONS OF ASBESTOS REFER TO SPEC SECTION 02800, ENVIRONMENTAL REPORT FOR ADDITIONAL INFORMATION. ASBESTOS REMOVAL SHALL BE PERFORMED BY A NYS DEPARTMENT OF LABOR LICENSED ASBESTOS CONTRACTOR. SEE ABATEMENT NOTES FOR MORE INFORMATION.
- 6 CONTRACTOR SHALL REMOVE & DISPOSE OF EXISTING DOOR, FRAME, HARDWARE TRIM AND SADDLE. REMOVAL SHALL INCLUDE BUT IS NOT LIMITED TO ALL DEVICES USED TO SECURE DOOR & FRAME IN PLACE. PREPARE OPENING TO RECEIVE NEW CONSTRUCTION.
- 7 DISTRICT SHALL REMOVE CASH REGISTER AND CART.
- CONTRACTOR SHALL REMOVE AND DISPOSE OF POWER POLES. REFER TO ELECTRICAL DRAWINGS FOR MORE
- GONTRACTOR SHALL TEMPORARILY REMOVE, PROTECT AND STORE EXISTING EQUIPMENT DURING DEMOLITION AND
- CONSTRUCTION WORK. ALL POWER AND UTILITY CONNECTIONS TO REMAIN.

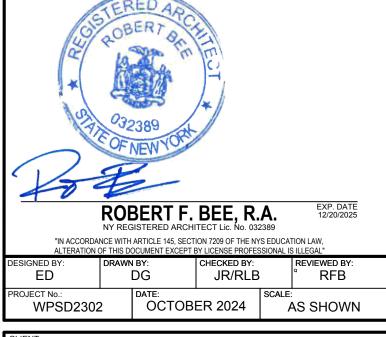
 10 CONTRACTOR SHALL REMOVE AND DISPOSE OF WALL TILE IN SERVING LINE ROOM.
- 11 CONTRACTOR SHALL REMOVE AND DISPOSE OF COVE BASE TILE ALONG PERIMETER OF THE WALL.
- 12 EXISTING ELECTRICAL PANEL TO REMAIN.
- CONTRACTOR SHALL REMOVE AND STORE WALL MOUNTED ACCESSORIES INCLUDING BUT NOT LIMITED TO SHELVING
- SYSTEMS, HOOKS, SIGNAGE.

 14 CONTRACTOR SHALL REMOVE AND DISPOSE OF EXISTING VINYL COVE BASE.
- 15 EXISTING FLOOR DRAIN TO REMAIN.
- EXISTING WALL MOUNTED CLOCK TO BE REMOVED AND REINSTALLED. REFER TO ELECTRICAL DRAWINGS FOR MORE



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WHITE PLAINS CITY SCHOOL DISTRICT

RENOVATIONS AND UPGRADES
GEORGE WASHINGTON
ELEMENTARY SCHOOL



100 Orchard Street White Plains NY, 10604

66-22-00-01-0-009-018

SINGLE CONTRACT

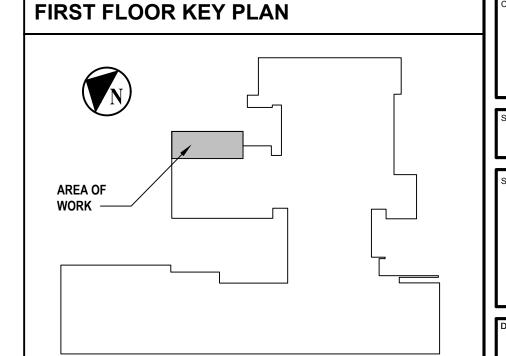
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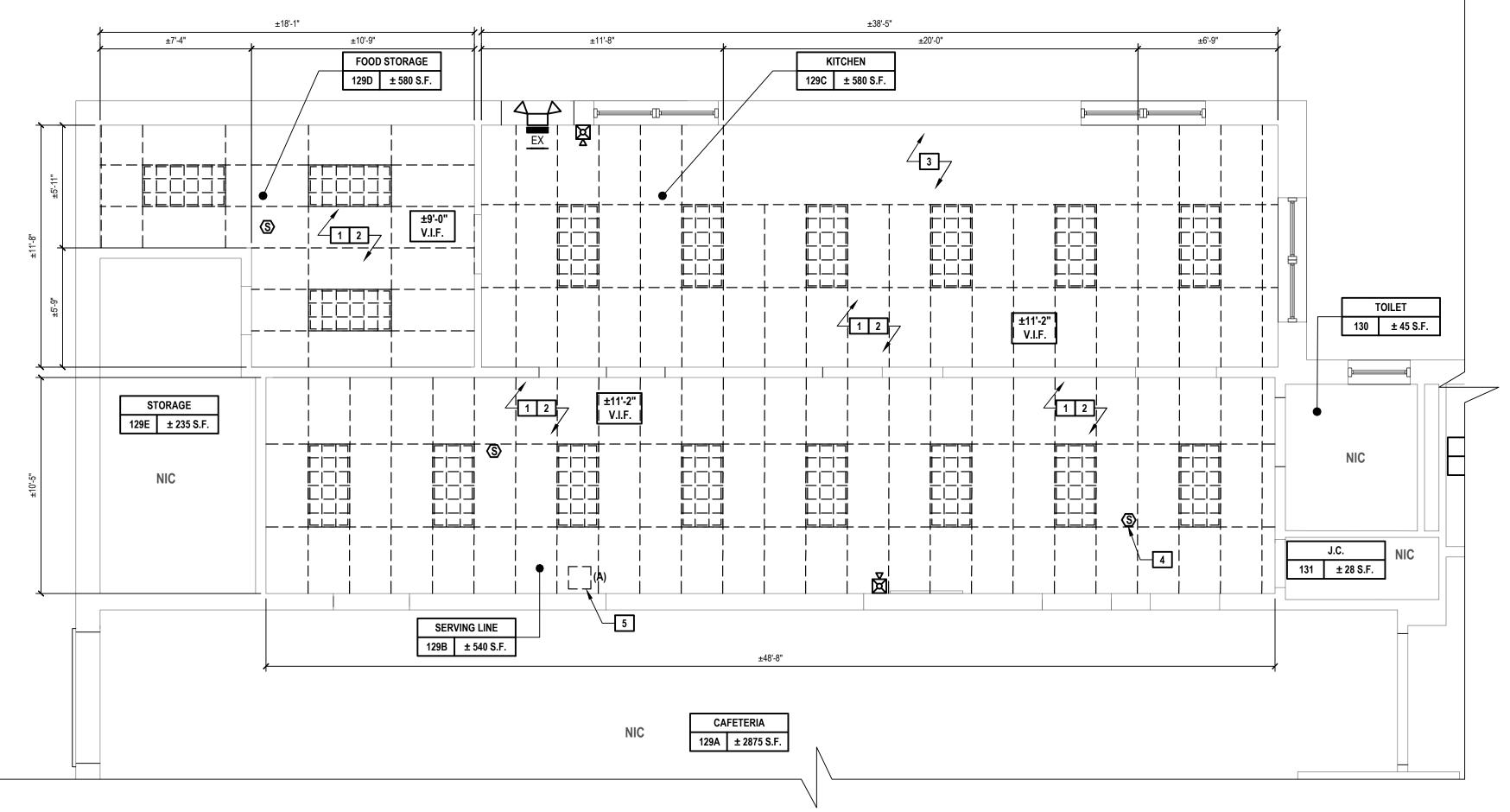
BID SUBMISSION

HEET TITLE

KITCHEN & SERVING LINE DEMOLITION PLAN

AD 100.00





1 First Floor Kitchen & Serving Line Reflected Ceiling Demolition Plan

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

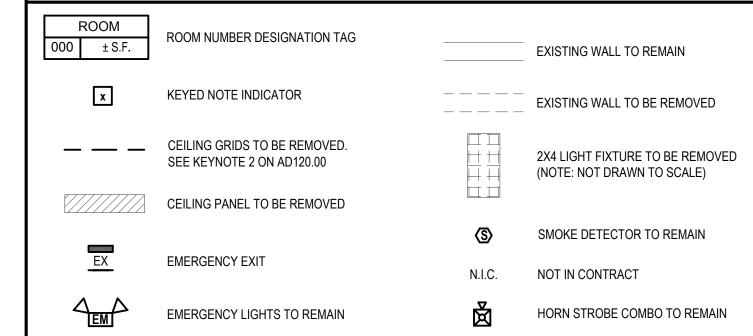
GENERAL DEMOLITION WORK NOTES

- 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 DOCUMENTS.
- CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND QUANTITIES OF ALL ITEMS TO BE REMOVED PRIOR TO START OF WORK.
- 4. 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.
- 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 MAINTAIN EXISTING DOORS AND FRAMES TO REMAIN, AS REQUIRED THROUGHOUT COURSE OF WORK, INCLUDING ALL RELATED HARDWARE AND ACCESSORIES.
- 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.
-). CONTRACTOR SHALL BE RESPONSIBLE TO WIPE DOWN AND CLEAN ALL ROOMS WHERE WORK IS BEING DONE UPON COMPLETION OF THE DEMO WORK AS WELL AS ADJACENT AREAS AFFECTED BY THE WORK
- 11. 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.
- 12. THE CONTRACTOR ACCESS SHALL BE AS CALLED OUT ON SHEET G000. THE CONTRACTOR SHALL ADEQUATELY PROTECT ALL EXISTING FINISHES SCHEDULED TO REMAIN ALONG THE ACCESS ROUTE AND ADJOINING SURFACES OUTSIDE THE CONTRACT AREA OR SCOPE OF WORK FROM DAMAGE DURING THE PROJECT DURATION. THE CONTRACTOR SHALL BE RESPONSIBLE TO RESTORE EXISTING CONDITIONS AND/OR FINISHES DAMAGED DURING CONSTRUCTION INCLUDING PATCHING AND PAINTING AS REQUIRED AND DEEMED NECESSARY BY THE ARCHITECT AT NO ADDITIONAL COST TO THE OWNER.
- 13. CONTRACTOR SHALL PROTECT EXISTING MECHANICAL SYSTEMS AND COORDINATE LOCATIONS WITH NEW CEILING SYSTEM.

DEMOLITION REFLECTED CEILING KEY NOTES

- CONTRACTOR SHALL REMOVE AND DISPOSE OF EXISTING LIGHT FIXTURES, CEILING PANELS, AND CEILING GRID. SEE ELECTRICAL DRAWINGS FOR MORE INFORMATION.
- CONTRACTOR SHALL PROTECT AND TEMPORARILY SUPPORT ALL EXISTING CEILING MOUNTED LIFE SAFETY EQUIPMENT TO BE REINSTALLED/RELOCATED IN NEW CEILING PANELS.
- 3 EXISTING KITCHEN HOOD TO REMAIN AND BE PROTECTED THROUGHOUT CONSTRUCTION PERIOD.
- 4 SMOKE DETECTOR TO BE RELOCATED (SEE A101 REFLECTED CEILING PLAN FOR NEW LOCATION).
- CONTRACTOR SHALL REMOVE AND DISPOSE OF EXISTING ACTUATOR AND ALL ASSOCIATED SUPPORTS/CONNECTIONS, ACCESS PANEL, ETC., FOR ROLLING SHUTTER. SEE AD100 AND ELECTRICAL DRAWINGS FOR MORE INFORMATION.

DEMOLITION REFLECTED CEILING PLAN LEGEND:



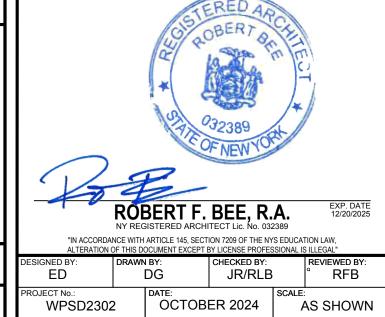
FIRST FLOOR KEY PLAN



architects + engineers

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WHITE PLAINS CITY SCHOOL DISTRICT

RENOVATIONS AND UPGRADES
GEORGE WASHINGTON
ELEMENTARY SCHOOL



100 Orchard Street White Plains NY, 10604

66-22-00-01-0-009-018

SINGLE CONTRACT

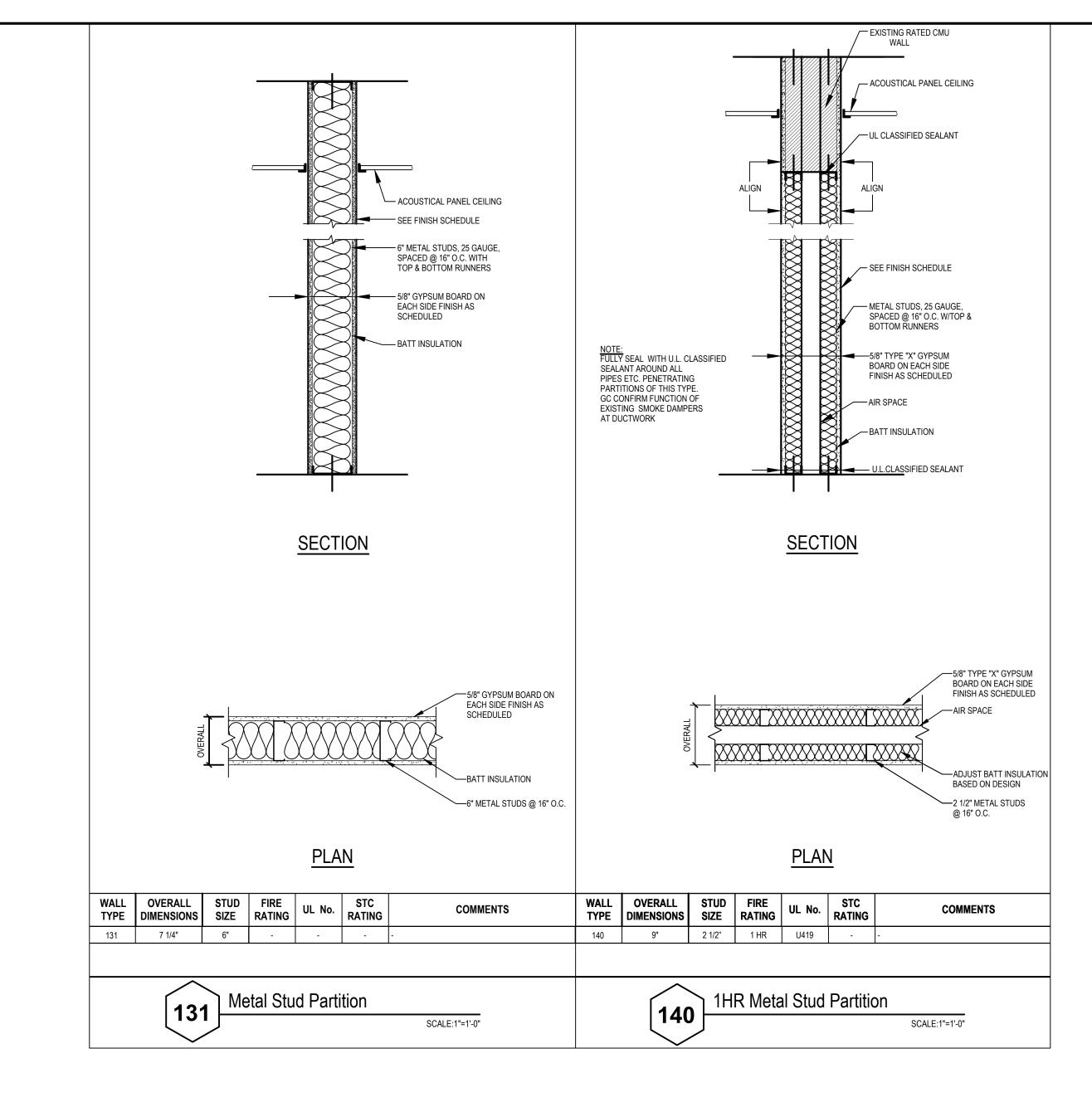
CONTRACT

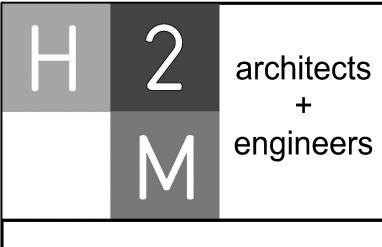
BID SUBMISSION

KITCHEN & SERVING LINE REFLECTED CEILING

DEMOLITION PLAN

AD 120.00



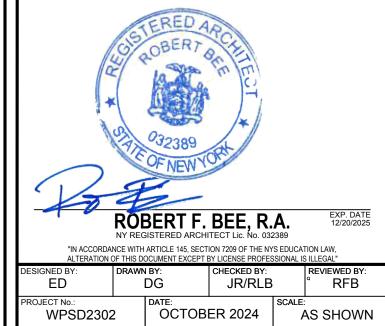


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WHITE PLAINS CITY **SCHOOL DISTRICT**

RENOVATIONS AND UPGRADES GEORGE WASHINGTON ELEMENTARY SCHOOL



100 Orchard Street White Plains NY, 10604

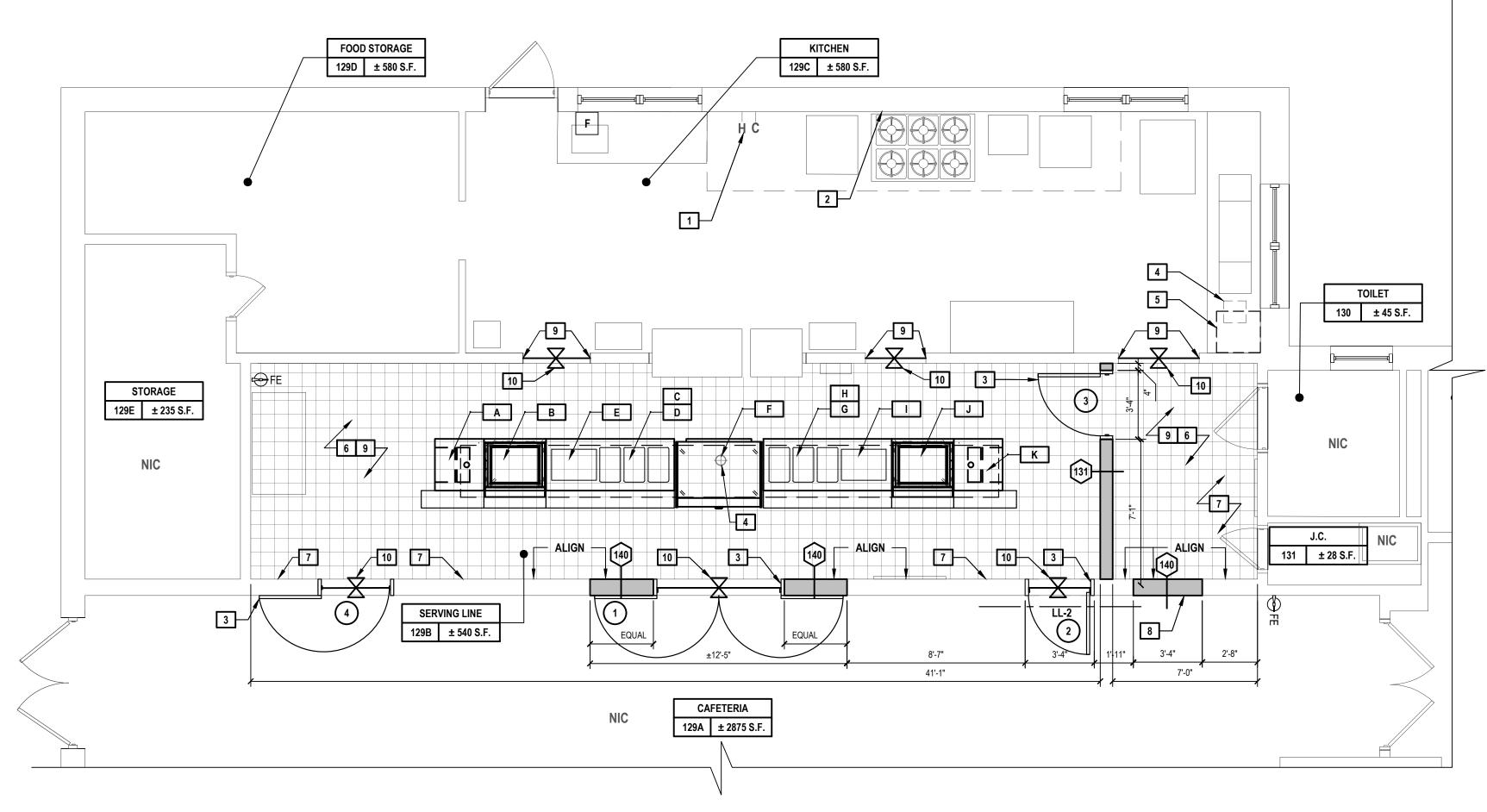
66-22-00-01-0-009-018

SINGLE CONTRACT

BID SUBMISSION

PARTITION TYPES

A 010.00



First Floor Kitchen & Serving Line Construction Plan

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

EQUIPMENT CATEGORY EQUIPMENT REMARKS 무 **EQUIPMENT CATEGORY** MANUFACTURER MODEL NUMBER 5-15P CASHIER COUNTER, PORTABLE 28-CSE 36-QSGT-28-2T-F HOT/COLD FOOD COUNTER, 2-TIER 1 5-15P 11.0 C HOT FOOD COUNTER, PORTABLE 1 6-15P 74-EFS3-CPA CUSTOM D FOOD PROTECTOR(S), ADJUSTABLE LOW HEAT SURFACE, BUILT-IN 10.0 CUSTOM 120 1 5-15P MILK DISPLAY CASE, REFRIGERATED FEDERAL INDUSTRIES LMDM4878SC 6-20P G HOT FOOD COUNTER, PORTABLE 1.7 208 1 6-15P 74-EFS3-CPA H FOOD PROTECTOR(S), ADJUSTABLE CUSTOM LTI LOW HEAT SURFACE, BUILT-IN 10.0 120 5-15P CUSTOM HOT/COLD FOOD COUNTER, 2-TIER 11.0 120 36-QSGT-28-2T-F 5-15P LTI K CASHIER COUNTER, PORTABLE 12.0 X 1 5-15P 28-CSE 120 LTI

GENERAL WORK NOTES

- SQUARE FOOTAGE, QUANTITIES AND LOCATIONS ARE APPROXIMATE. CONTRACTOR RESPONSIBLE FOR FIELD VERIFICATION. THE CONTRACTOR SHALL BE RESPONSIBLE TO NOTIFY ARCHITECTS IF ANY REVISIONS TO THE DESIGN
- ALL NEW AND EXISTING INTERIOR WALL SURFACES LOCATED WITHIN AREAS OF SCOPE OF WORK TO BE PATCHED AS REQUIRED TO PROVIDE FLUSH TRANSITIONS, PRIMED AND PAINTED. COLORS T.B.D. BY DISTRICT.
- CONTRACTOR COORDINATE LAYOUT OF NEW EQUIPMENT AND ACCESSORIES WITH ALL WALL MOUNTED ITEMS AND FINISHES SURFACES.
- PROVIDE AND TURNOVER TO THE SCHOOL DISTRICT, ALL MAINTENANCE MATERIALS REQUIRED BY THE SPECIFICATIONS
- THE CONTRACTOR ACCESS SHALL BE AS CALLED OUT ON SHEET G000. THE CONTRACTOR SHALL ADEQUATELY PROTECT ALL EXISTING FINISHES SCHEDULED TO REMAIN ALONG THE ACCESS ROUTE AND ADJOINING SURFACES OUTSIDE THE CONTRACT AREA OR SCOPE OF WORK FROM DAMAGE DURING THE PROJECT DURATION. THE CONTRACTOR SHALL BE RESPONSIBLE TO RESTORE EXISTING CONDITIONS AND/OR FINISHES DAMAGED DURING CONSTRUCTION INCLUDING PATCHING AND PAINTING AS REQUIRED AND DEEMED NECESSARY BY THE ARCHITECT AT NO ADDITIONAL COST TO THE
- CONTRACTOR SHALL PROTECT AND MAINTAIN ALL CEILING MOUNTED ITEMS TO REMAIN THROUGHOUT THE COURSE OF WORK UNLESS OTHERWISE NOTED. COORDINATE WITH ELECTRICAL DRAWINGS FOR MORE INFORMATION.

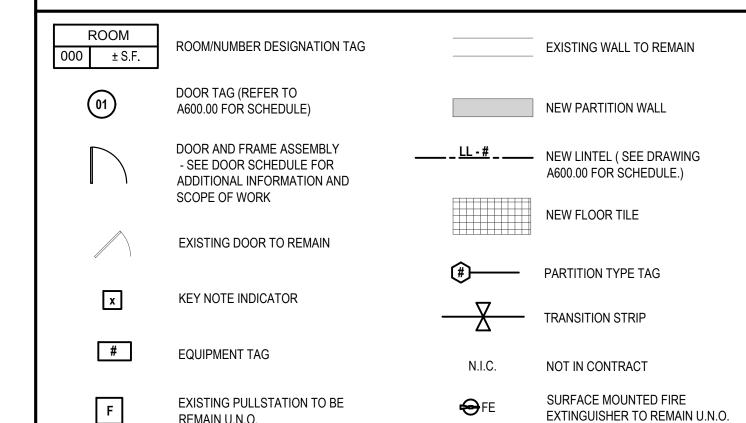
NEW WORK KEY NOTES

- 1 LOCATION OF EXISTING HOT AND COLD WATER TAPS.
- 2 CONTRACTOR SHALL INSTALL NEW POT FILLER PROVIDED BY DISTRICT- CONNECT TO EXISTING H & C WATER TAPS SEAL
- CONTRACTOR SHALL PROVIDE, AND INSTALL NEW DOOR(S), FRAMES AND HARDWARE/ DEVICES AS INDICATED. SEE DRAWING A600 AND APPLICABLE SPECIFICATION SECTIONS FOR DOOR RELATED INFORMATION.
- 4 EXISTING PLUMBING PIPES & FLOOR DRAIN TO REMAIN.

REMAIN U.N.O.

- 5 CONTRACTOR SHALL INSTALL NEW TRAY WASHER (PROVIDED BY DISTRICT) GC TO PROVIDE ALL SERVICE CONNECTIONS
- HE CONTRACTOR SHALL PROVIDE AND INSTALL NEW FLOOR TILE IN SERVING LINE AREA, INCLUDING BUILD UP OF UNDERLAYMENT AS GROUT, REINFORCEMENT MESH AND ALL DEVICES/MATERIALS USED TO SECURE THE TILE IN PLACE. THE CONTRACTOR SHALL PROVIDE SELF-LEVELING UNDERLAYMENT AND WATERPROOFING MEMBRANE THROUGHOUT AS PART OF A COMPLETE AND PROPER INSTALLATION AS PER MANUFACTURER RECOMMENDATIONS.
- 7 PATCH AND REPAIR LOOSE AND CRACKED 1 INCH PLASTER WALLS WHERE WALL CONNECTIONS AND REMOVALS WERE MADE. PROVIDE SEAMLESS PATCH TO SURROUNDING AREAS. PRIME AND PAINT WALLS.
- 8 FILL EXISTING DOOR OPENING WITH NEW WALL, FRAMING TO ALIGN AND MATCH EXISTING ADJACENT WALL (V.I.F)
- 9 CONTRACTOR SHALL PROVIDE AN INSTALL NEW COVE BASE TILE AROUND PERIMETER IN SERVING LINE AREA.
- CONTRACTOR SHALL PROVIDE MARBLE SADDLE FLOORING TRANSITION BETWEEN EXISTING AND NEW TILE FLOORING. SEE DETAIL #6 ON DRAWING A600.00 FOR MORE INFORMATION.

NEW WORK LEGEND: (NOT ALL SYMBOLS USED ON EACH SHEET)

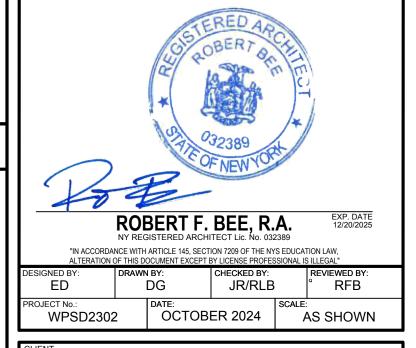




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WHITE PLAINS CITY **SCHOOL DISTRICT**

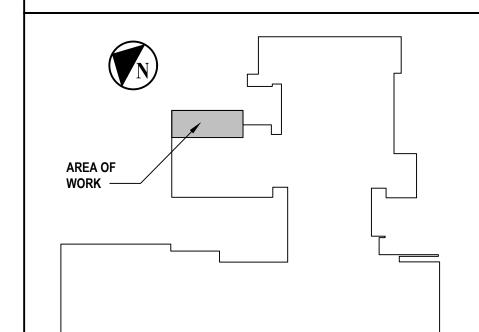
RENOVATIONS AND UPGRADES **GEORGE WASHINGTON ELEMENTARY SCHOOL**



100 Orchard Street White Plains NY, 10604

66-22-00-01-0-009-018

FIRST FLOOR KEY PLAN

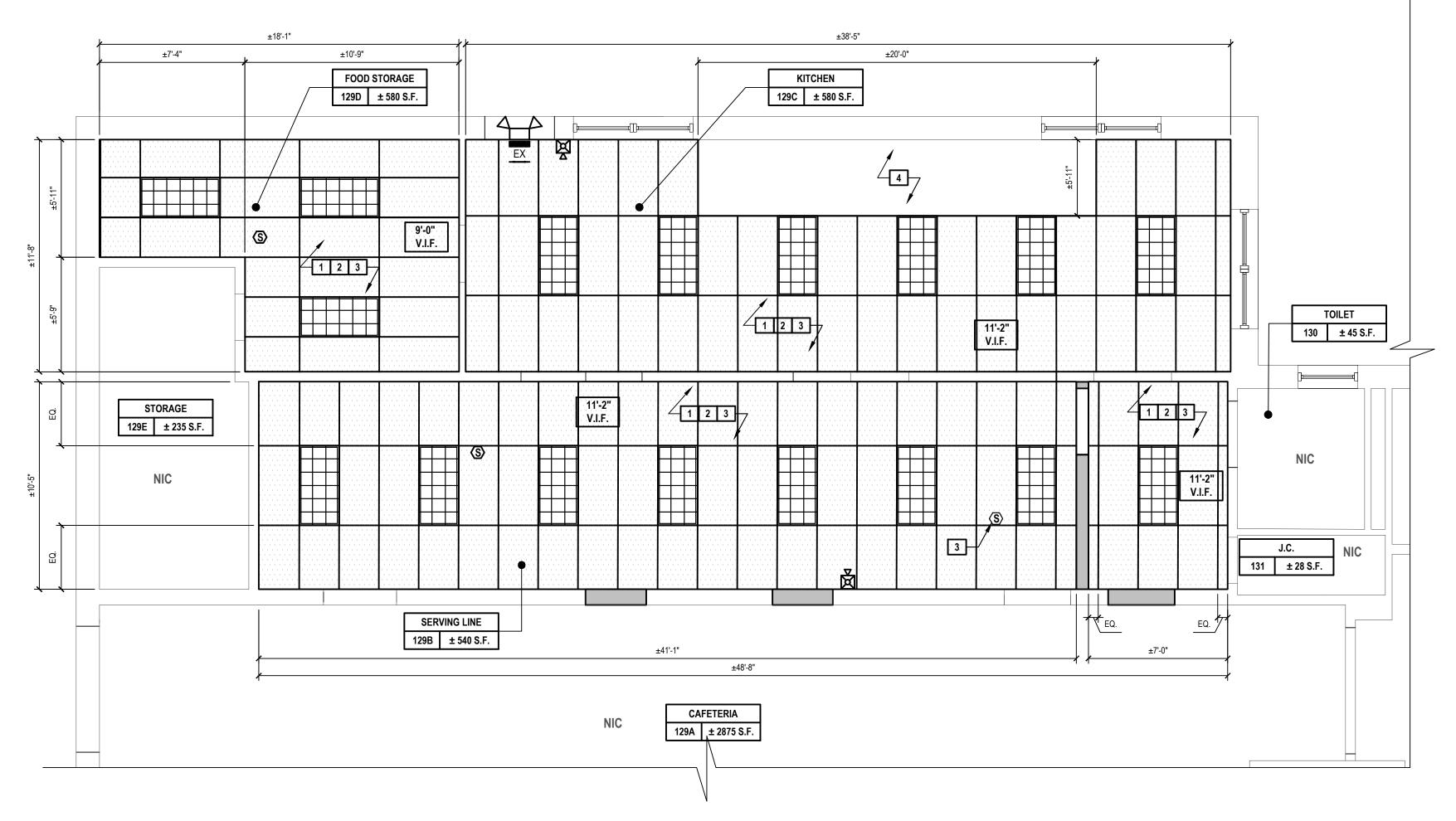


SINGLE CONTRACT

BID SUBMISSION

KITCHEN & SERVING LINE CONSTRUCTION PLAN

A 100.00



First Floor Kitchen & Serving Line Reflected Ceiling Plan

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

GENERAL WORK NOTES

1. SQUARE FOOTAGE, QUANTITIES AND LOCATIONS ARE APPROXIMATE. CONTRACTOR RESPONSIBLE FOR FIELD VERIFICATION. THE CONTRACTOR SHALL BE RESPONSIBLE TO NOTIFY ARCHITECTS IF ANY REVISIONS TO THE DESIGN ARE NECESSARY.

REQUIRED TO PROVIDE FLUSH TRANSITIONS, PRIMED AND PAINTED. COLORS T.B.D. BY DISTRICT.

ARE NECESSARY.

ALL NEW AND EXISTING INTERIOR WALL SURFACES LOCATED WITHIN AREAS OF SCOPE OF WORK TO BE PATCHED AS

CONTRACTOR COORDINATE LAYOUT OF NEW EQUIPMENT AND ACCESSORIES WITH ALL WALL MOUNTED ITEMS AND FINISHES SURFACES.

4. PROVIDE AND TURNOVER TO THE SCHOOL DISTRICT, ALL MAINTENANCE MATERIALS REQUIRED BY THE SPECIFICATIONS

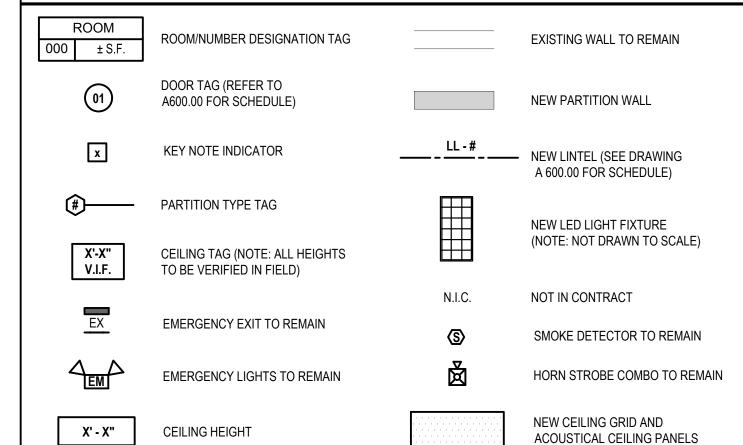
5. THE CONTRACTOR ACCESS SHALL BE AS CALLED OUT ON SHEET G000. THE CONTRACTOR SHALL ADEQUATELY PROTECT ALL EXISTING FINISHES SCHEDULED TO REMAIN ALONG THE ACCESS ROUTE AND ADJOINING SURFACES OUTSIDE THE CONTRACT AREA OR SCOPE OF WORK FROM DAMAGE DURING THE PROJECT DURATION. THE CONTRACTOR SHALL BE RESPONSIBLE TO RESTORE EXISTING CONDITIONS AND/OR FINISHES DAMAGED DURING CONSTRUCTION INCLUDING PATCHING AND PAINTING AS REQUIRED AND DEEMED NECESSARY BY THE ARCHITECT AT NO ADDITIONAL COST TO THE OWNER.

6. CONTRACTOR SHALL PROTECT AND MAINTAIN ALL CEILING MOUNTED ITEMS TO REMAIN THROUGHOUT THE COURSE OF WORK UNLESS OTHERWISE NOTED. COORDINATE WITH ELECTRICAL DRAWINGS FOR MORE INFORMATION.

NEW REFLECTED CEILING WORK KEY NOTES

- CONTRACTOR SHALL INSTALL NEW CEILING PANELS AND CEILING GRID. LOCATION OF NEW CEILING GRID TO MATCH EXISTING U.N.O.
- 2 CONTRACTOR SHALL PROVIDE NEW LED LIGHTING. SEE ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION
- CONTRACTOR SHALL REINSTALL EXISTING LIFE SAFETY EQUIPMENT IN NEW CEILING SYSTEM. LOCATION OF LIFE SAFETY EQUIPMENT TO MATCH EXISTING U.N.O. SEE ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
- [4] EXISTING KITCHEN HOOD TO REMAIN AND BE PROTECTED THROUGHOUT CONSTRUCTION PERIOD.
- CONTRACTOR SHALL INSTALL RELOCATED SMOKE DETECTOR (SEE AD120 DEMO. REFLECTED CEILING PLAN FOR EXISTING LOCATION).

NEW WORK LEGEND:





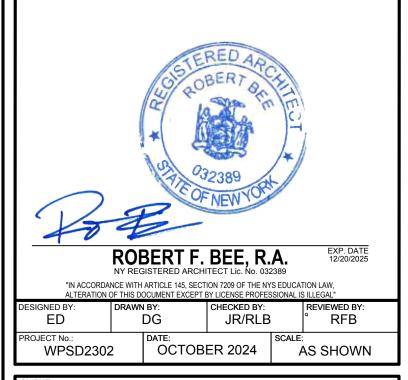
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WHITE PLAINS CITY SCHOOL DISTRICT

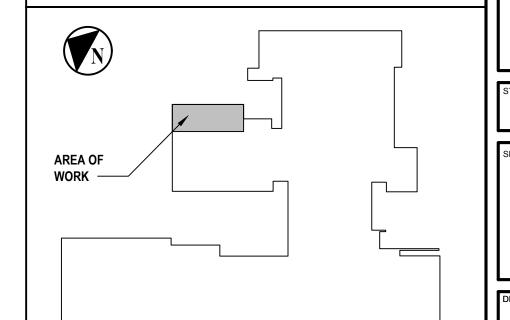
RENOVATIONS AND UPGRADES
GEORGE WASHINGTON
ELEMENTARY SCHOOL



100 Orchard Street White Plains NY, 10604

66-22-00-01-0-009-018

FIRST FLOOR KEY PLAN



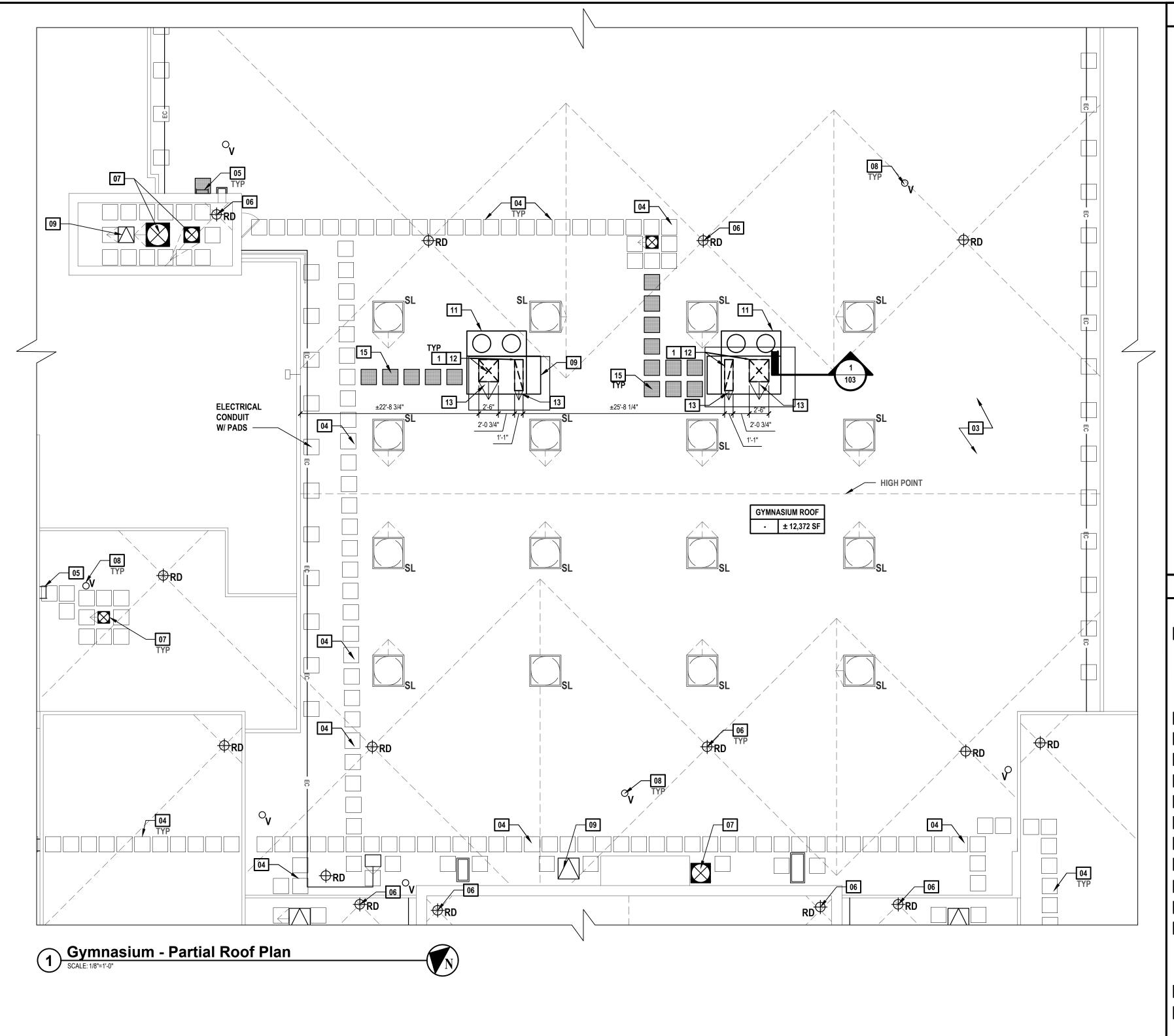
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ET TITI E

KITCHEN & SERVING LINE REFLECTED CEILING PLAN

A 101.00



GENERAL ROOFING NOTES:

- 1. THESE DRAWINGS SERVE AS A GRAPHIC REPRESENTATION OF THE INTENDED SCOPE OF WORK AND CONSTITUTE ONE PORTION OF THE CONSTRUCTION DOCUMENTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION BETWEEN THESE DRAWINGS AND SPECIFICATIONS
- 2. THE INTENDED SCOPE OF WORK INCLUDES THE COMPLETE REMOVAL OF EXISTING ROOF SYSTEM WHERE NEW ROOF PENETRATIONS AND EQUIPMENT CURBS ARE SHOWN. CONTRACTOR TO PROVIDE AND INSTALL ROOF CURBS, AND WATERPROOF. CONTRACTOR SHALL REMOVE ROOFING AS REQUIRED TO INTEGRATE NEW ROOFING MEMBRANES INTO THE EXISTING MEMBRANE SYSTEM AND PROVIDE WATERTIGHT INSTALLATION. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL MATERIAL, LABOR, ROOFING ITEMS AND ACCESSORIES REQUIRED FOR INSTALLATION AND IS RESPONSIBLE FOR COMPLETING THE WORK IN A MANNER THAT MAINTAINS THE EXISTING WARRANTY, AS WELL AS PROVIDING WORKERS, MATERIALS, AND WORK APPROVED FOR THE ROOFING SYSTEM MANUFACTURER HOLDING THE EXISTING WARRANTY.
- 3. CONTRACTOR SHALL VERIFY THE LOCATIONS AND HEIGHTS OF ALL ROOF PENETRATIONS AND MECHANICAL EQUIPMENT CURBS, THE CONTRACTOR SHALL PROTECT, AT ALL TIMES, ALL EXISTING ROOF MOUNTED EQUIPMENT AND VENT STACKS, ANY DAMAGE ITEMS SHALL BE REPLACED AT NO ADDITIONAL COST TO THE DISTRICT
- 4. THE CONTRACTOR IS RESPONSIBLE FOR ALL DAMAGES TO THE INTERIOR AND EXTERIOR OF THE BUILDING THAT RESULT FROM ROOFING INSTALLATIONS INCLUDING BUT NOT LIMITED TO; CEILING PANEL DAMAGE, WATER LEAKS, FURNITURE DAMAGE, EQUIPMENT DAMAGE, ETC
- THE CONTRACTOR SHALL DISCONNECT / REMOVE AND RECONNECT / REINSTALL ALL EXISTING ROOF MOUNTED ELECTRICAL, MECHANICAL EQUIPMENT AND DEVICES AS REQUIRED FOR COMPLETION OF THE NEW WORK. THE CONTRACTOR SHALL HAVE A LICENSED PROFESSIONAL RE-CONNECT AND EXTEND ALL ELECTRICAL AND MECHANICAL CONNECTORS AND TO ENSURE EQUIPMENT IS IN PROPER WORKING ORDER.
- 6. THE CONTRACTOR SHALL TEMPORARILY SUPPORT EXISTING PIPING/CONDUIT AS REQUIRED BY NEW WORK. THE CONTRACTOR SHALL BE REQUIRED TO PROTECT ALL EXISTING PIPING/CONDUIT. REMOVE AND REINSTALL AS NECESSARY FOR NEW WORK
- . ROOFING TAPER INDICATED ON PLAN IS EXISTING AND SHOWN IN APPROXIMATE LOCATIONS. CONTRACTOR SHALL VERIFY AND COORDINATE ACTUAL TAPER WITH NEW WORK. ROOF CRICKETS SHALL BE INSTALLED TO PROVIDE POSITIVE ROOF DRAINAGE AROUND NEW CURBS TO EXISTING ROOF DRAINS
- 8. THE ROOFER SHALL POSSESS A CURRENT NYSDOL ICR56 ASBESTOS HANDLER CERTIFICATION
- 9. NOT USED
- 10. THE CONTRACTOR SHALL PROTECT AND MAKE WEATHER TIGHT ALL AREAS EXPOSED AS A PART OF THE ROOFING DEMOLITION
- 11. NOT USED
- 12. THE CONTRACTOR SHALL DISPOSE OF ALL UNWANTED MATERIALS AND CONSTRUCTION DEBRIS OFF SITE IN ACCORDANCE WITH CONTRACT SPECIFICATIONS
- 13. THE USE OF OPEN CHUTES WILL NOT BE PERMITTED.
- 14. NEW CONDUIT TO RTU THAT WILL BE EXPOSED IN THE GYMNASIUM WILL BE PAINTED TO MATCH WALL AND ROOF BEHIND.

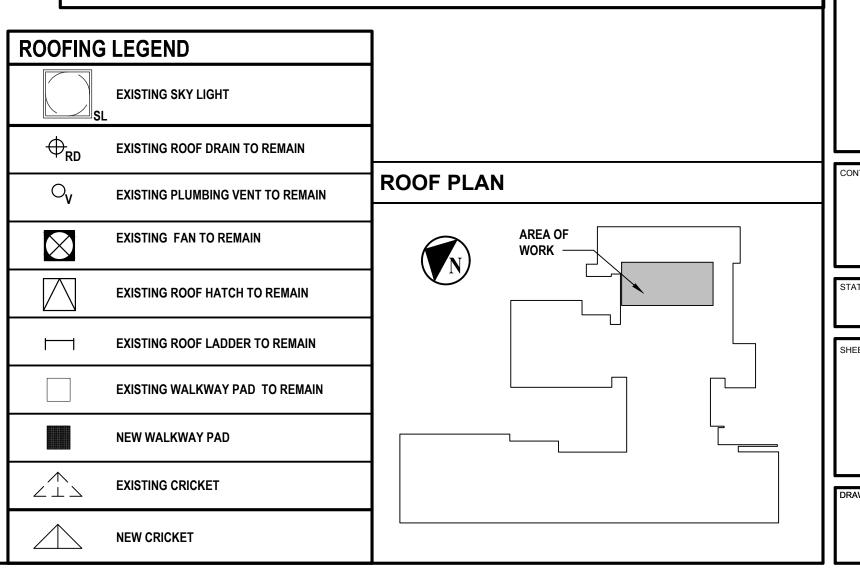
KEYED ROOFING WORK NOTES:

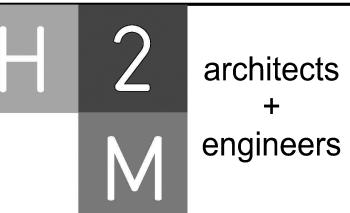
DEMOLITION NOTES:

CONTRACTOR TO COMPLETELY REMOVE AND DISPOSE OF EXISTING ROOFING SYSTEM AS REQUIRED FOR NEW UNIT INCLUDING ROOFING MEMBRANES, INSULATION, VAPOR BARRIER, MECHANICAL FASTENERS AND ALL DEVICES USED TO SECURE ROOFING IN PLACE DOWN TO EXISTING ROOF DECK AT NEW ROOF PENETRATIONS, SEE DETAIL 1/A103.00 FOR EXISTING ROOFING ASSEMBLY. SAW CUT EXISTING ROOF DECK AS REQUIRED FOR NEW ROOF PENETRATIONS AND NEW EQUIPMENT SUPPORTS. SEE 'M' AND 'S' DRAWINGS FOR ADDITIONAL INFORMATION.

NEW WORK NOTES:

- 02 NEW ROOF TOP DUCT WORK, SEE 'M' DRAWINGS FOR ADDITIONAL INFORMATION
- 03 EXISTING FINISH ROOF TO REMAIN U.N.O.
- 04 EXISTING WALKWAY PADS TO REMAIN
- 05 EXISTING METAL LADDER TO REMAIN
- 06 EXISTING ROOF DRAIN TO REMAIN
- 07 EXISTING FAN TO REMAIN
- 08 EXISTING VENT TO REMAIN
- 09 EXISTING ROOF HATCH TO REMAIN
- 10 EXISTING SKYLIGHT TO REMAIN
- 11 NEW RTU, SEE 'M' AND DRAWINGS FOR ADDITIONAL INFORMATION
- 12 NEW ROOF MEMBRANE SHALL EXTEND A FULL 18" ALONG ALL ADJOINING VERTICAL SURFACES AS RECOMMENDED BY THE MANUFACTURER. CONTRACTOR 'G' SHALL VERIFY THE HEIGHTS AND LOCATIONS OF ALL EQUIPMENT AND ROOF PENETRATIONS PRIOR TO REMOVAL OF EXISTING ROOFING. CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE ALL LABOR AND MATERIALS AS REQUIRED TO INSTALL THE CURBS AND PIPE/CONDUIT PENETRATIONS TO MEET THE MINIMUM CODE REQUIREMENTS. NEW ROOF ASSEMBLY TO MATCH EXISTING, SEE DETAIL ON A 400 FOR EXISTING ROOFING ASSEMBLY. SEE DETAIL FOR NEW CURB DETAIL
- 13 CONTRACTOR SHALL PROVIDE CRICKETS AT ALL NEW ROOF CURBS PER MANUFACTURER'S SPECIFICATIONS
- NEW CONDUIT/PIPE BY CONTRACTOR 'E'. CONTRACTOR 'G' TO PROVIDED NEW CONDUIT/PIPE SUPPORT AS DETAILED ON 4/A-103. CONTRACTOR SHALL PROVIDED WALKWAY PADS UNDER ALL PERMANENT CONDUIT/PIPE SUPPORTS LOCATION TBD
- THE CONTRACTOR SHALL PROVIDE WALKWAY PADS FROM EXISTING ROOFTOP LADDERS TO ALL NEW HVAC EQUIPMENT. THE CONTRACTOR SHALL SUBMIT A PLAN FOR THE LOCATION OF ALL WALKWAY PADS TO THE ARCHITECT FOR REVIEW, PRIOR TO INSTALLATION. SEE DETAIL 2 ON A103.00 FOR WALKWAY PAD DETAIL
- 16 EXISTING ELECTRICAL CONDUIT AND PADS TO REMAIN.



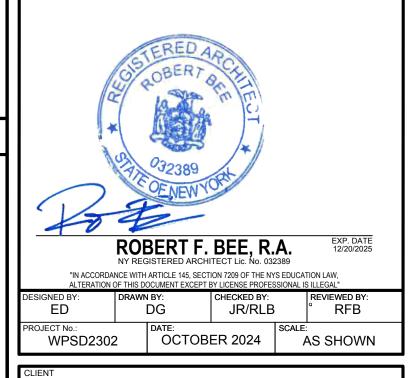


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WHITE PLAINS CITY SCHOOL DISTRICT

RENOVATIONS AND UPGRADES
GEORGE WASHINGTON
ELEMENTARY SCHOOL



100 Orchard Street White Plains NY, 10604

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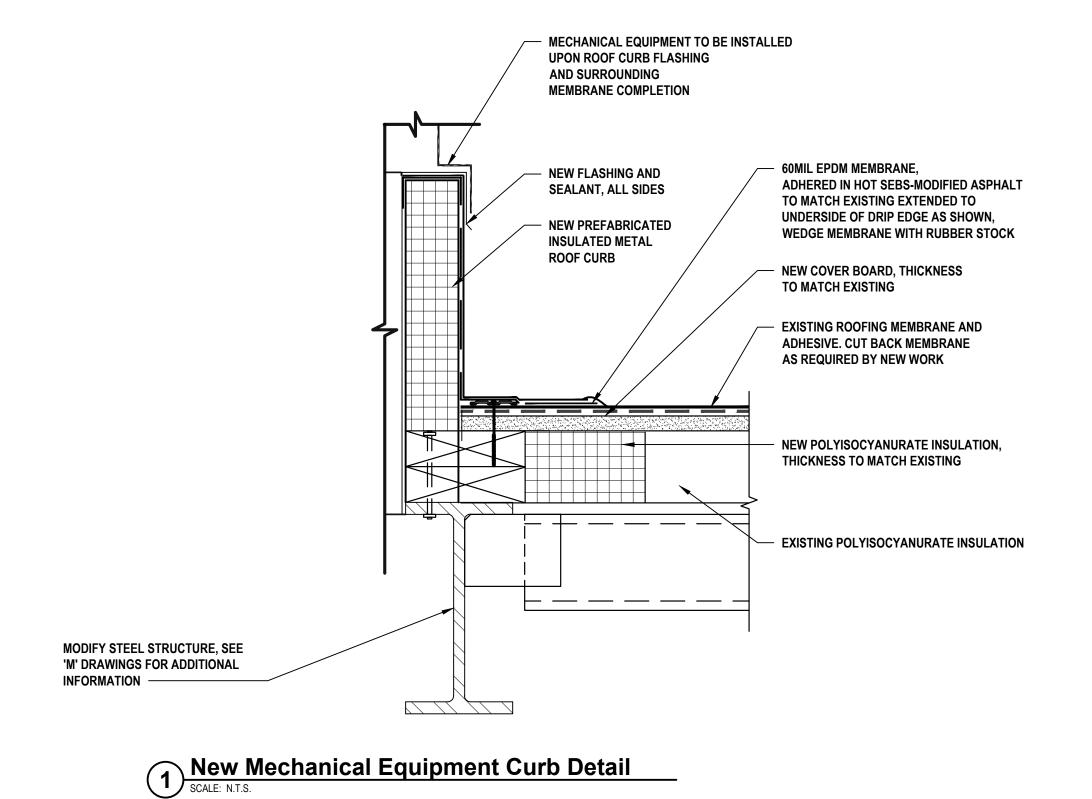
SINGLE CONTRACT

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BID SUBMISSION

GYMNASIUM ROOF PLAN

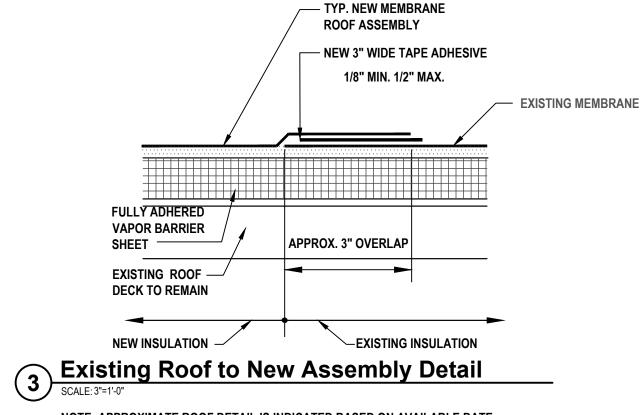
A 102.00



1. REFER TO MANUFACTURER FOR ADDITIONAL INFORMATION. 2. DO NOT INSTALL ON FIELD OR FLASHING SEAMS. 3. LEAVE 2" (51 mm) BETWEEN WALKWAY PADS. 4. SPLICE TAPE IS FACTORY LAMINATED TO UNDERSIDE OF WALKWAY PADS: 3 ROWS OF 3" (76 MM) WIDE TAPE, OR ROWS OF 7" (178 MM) WIDE TAPE. - EPDM MEMBRANE **WALKWAY PAD ENLARGED TO SHOW SURFACE TEXTURE**

Walkway Pad SCALE: N.T.S.

- EXISTING / NEW CONDUIT



- ADJUSTABLE PIPE SUPPORT -PROVIDE SIZES TO MATCH **EXISTING PIPING, TYP.** WALKWAY PAD SET WITH **ADHESIVE** -EXISTING FINISH ROOF

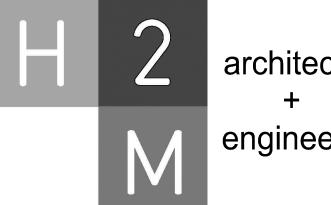
NOTE: SPACE SUPPORTS AS REQUIRED BY THE MECHANICAL AND ELECTRICAL

NOTE: APPROXIMATE ROOF DETAIL IS INDICATED BASED ON AVAILABLE DATE. CONTRACTOR TO VERIFY EXISTING ROOF ASSEMBLY THE FIELD.

Typical Pipe Support Detail

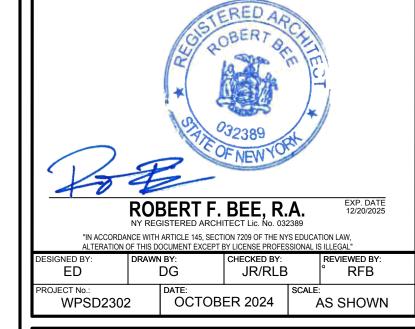
SCALE: 3"=1'-0"

- 1. PRIOR TO INSTALLATION OF PRESSURE SENSITIVE TAPE, APPLY PRIMER TO SPLICE AREAS.
- 2. PRESSURE SENSITIVE TAPE IS TO BE OVERLAPPED A MINIMUM OF 1" AT THE ENDS OF EACH CUT PIECE. OVERLAY WITH LAP SEALANT AS SHOWN ABOVE.
- 3. 6" WIDE UNCURED ELASTOFORM FLASHING OR PRESSURE-SENSITIVE FLASHING MAY ALSO BE CENTERED OVER THE INTERSECTING POINT OF THE LEADING EDGES OF THE FIELD SPLICE INTERSECTION.
- 4. LAP SEALANT IS REQUIRED ON CUT EDGES OF REINFORCED EPDM MEMBRANE.



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WHITE PLAINS CITY **SCHOOL DISTRICT**

RENOVATIONS AND UPGRADES **GEORGE WASHINGTON ELEMENTARY SCHOOL**



100 Orchard Street White Plains NY, 10604

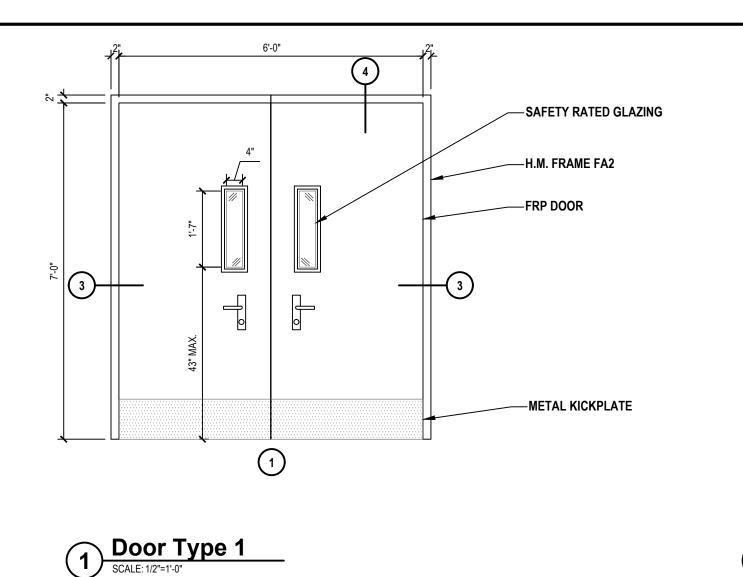
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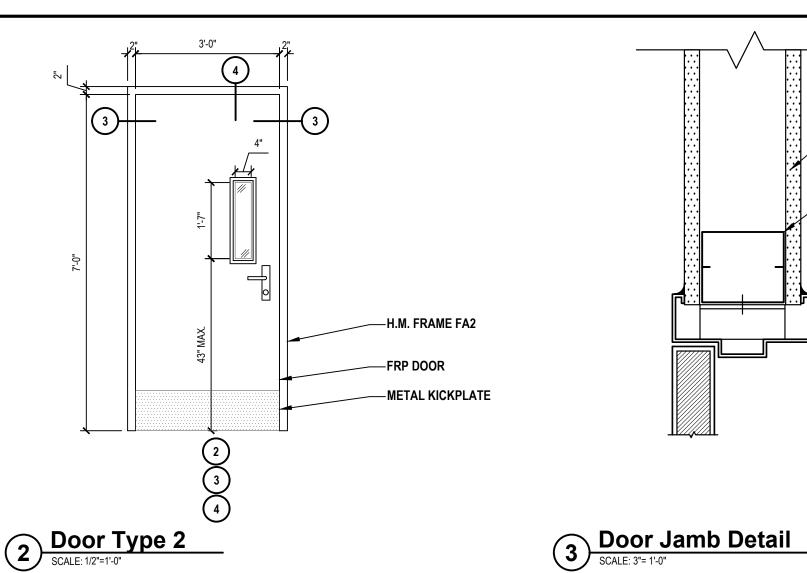
SINGLE CONTRACT

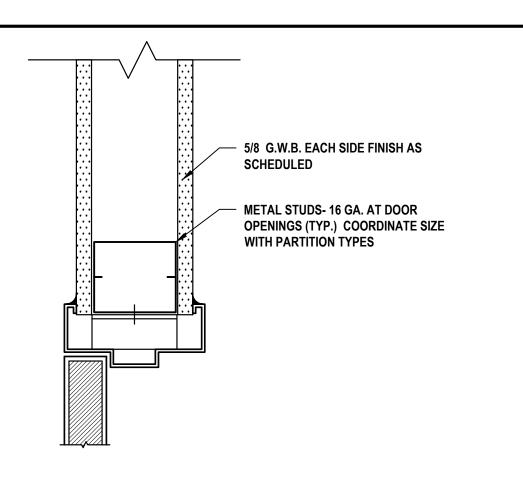
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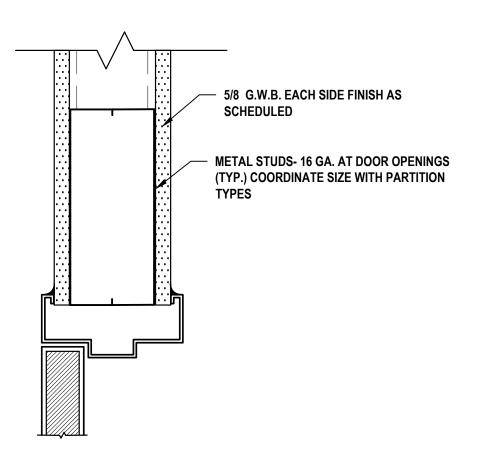
GYMNASIUM ROOF DETAILS

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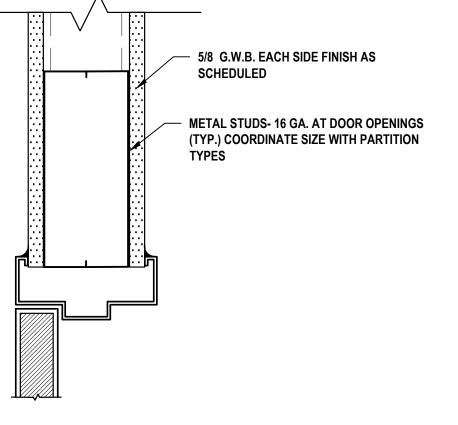






Door Head Detail

SCALE: 3"= 1'-0"



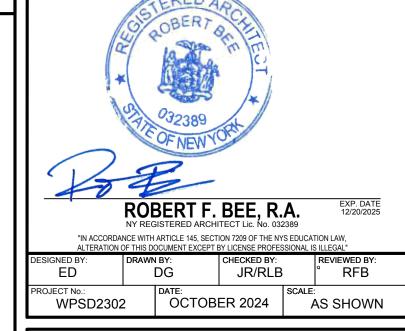
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architects

engineers

MARK	DATE	DESCRIPTION

		10-28-24	BID SET
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WHITE PLAINS CITY

SCHOOL DISTRICT

RENOVATIONS AND UPGRADES GEORGE WASHINGTON

ELEMENTARY SCHOOL

100 Orchard Street White Plains NY, 10604

66-22-00-01-0-009-018

SINGLE CONTRACT

BID SUBMISSION

NEW DOOR SCHEDULE

11-71	BOOK COII										Ιſ
DOOR NO.	DOOM NAME	TVDE	UN	UNIT DIMENSIONS DOOR		UNIT DIMENSIONS DOOR FRAME FIRE HARDW.	HARDWARE	COMMENTS			
DOOK NO.	ROOM NAME	TYPE	WIDTH	HEIGHT	THICKNESS	MATERIAL	TYPE	RATING	SET	COMMENTS	lŀ
1	KITCHEN	1	(2) 3'-0"	7'-0"	1"	FRP	FA2	45 MIN	02	CLOSER AND MAGNETIC HOLD OPEN CONNECTED TO FA SYSTEM	l
2	KITCHEN	2	3'-0"	7'-0"	1"	FRP	FA2	45 MIN	03	CLOSER AND MAGNETIC HOLD OPEN CONNECTED TO FA SYSTEM	۱
3	KITCHEN	2	3'-0"	7'-0"	1"	FRP	FA2	45 MIN	03	CLOSER AND MAGNETIC HOLD OPEN CONNECTED TO FA SYSTEM	
4	KITCHEN	2	3'-0"	7'-0"	1"	FRP	FA2	45 MIN	03	CLOSER AND MAGNETIC HOLD OPEN CONNECTED TO FA SYSTEM	П

- PROVIDE 180 DEGREES SWING HINGES
- 2. GC COORDINATE DOOR HARDWARE AND MAGNETIC HOLD OPENS WITH 180 DEGREES SWING

FINISH SCHEDULE WALLS FLOOR CEILING WEST REMARKS **ROOM NAME** LEVEL ROOM MAT'L FINISH MAT'L FINISH MAT'L FINISH MAT'L FINISH MAT'L FINISH MAT'L FINISH EX EX 129B SERVING LINE CT FULL HEIGHT ALL WALLS CT 129A CAFETERIA ± 2,875 EX EX **GWP** EX EX EX EX ACT

PL = PLASTER

PT =

PRE = PRE-FINISHED

ST = STAIN (2 COATS)

WP = WOOD PANEL

PP = PORCELAIN PAVER TILE

RUBBER BASE

PU = POLYURETHANE (2 COATS)

FINISH ABBREVIATIONS

ACP	=	ACOUSTICAL CEILING PAN
CT	=	CERAMIC TILE
CPT	=	CARPET TILE
CMU	=	CONCRETE MASONRY UN
CWB	=	CEMENT WALL BOARD
EX	=	EXISTING TO REMAIN
EXP	=	EXPOSED
FRP	=	FIBERGLASS REINFORCE
		DLACTIC DANIELS

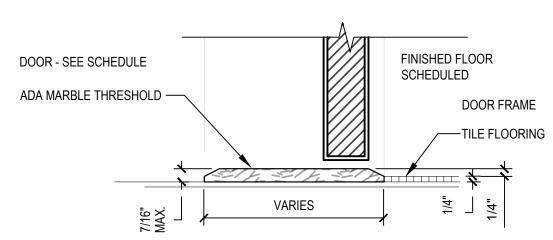
PLASTIC PANELS GYPSUM WALL BOARD HARDWOOD HOLLOW METAL

LINTEL SCHEDULE

		-	
MARK	MARK SIZE		COMMENTS
LL-1	(2) L3 1/2 x 3 1/2x 1/4, (1)L3 1/2 x 31/2 x 1/4 & PL 1/4" x 13" x M.O.		NOTES 1-3
LL-2	(2) L3 1/2 x 3 1/2x 1/4		NOTES 1-3
LL-3	(2) L6 x 4 x 5/16" (LLV) W/ SPACER		NOTES 1-3

1. LINTEL LENGTH SHALL BE M.O. + 1'-4" TO PROVIDE MIN. BEARING OF 8" ONTO SOLID MASONRY ON EACH SIDE. 2. ANTICIPATED EXISTING MASONRY IS 10" CMU. PROVIDE 1" SPACER BETWEEN VERTICAL LEGS OF DOUBLE ANGLES FOR 10" CMU. CONTRACTOR TO CONFIRM ASSUMED WALL TYPE PRIOR TO FABRICATION OF LINTEL. 3. VERTICAL LEGS OF DOUBLE ANGLES SHALL BE WELDED TOGETHER.





6 Transition Detail SCALE: N.T.S.

SCHEDULES & DETAILS

A 600.00

EXISTING DOOR —— - BEVELED METAL **EDGE PROTECTION** TRANSITION STRIP (1:2 MAX. SLOPE) EXISTING TILE \neg — NEW LVT FLOORING FLOORING

Transition Detail

SCALE: N.T.S.

A F F	/IATIONS
AFF BCU	ABOVE FINISHED FLOOR BUILDING CONTROL UNIT
BTU	BRITISH THERMAL UNIT
CFH	CUBIC FEET PER HOUR
CFM	CUBIC FEET PER MINUTE
CLG	CEILING
COMM.	COMMUNICATION
CV	CONTROL VALVE
(D)	DEMOLISH
DB	DRY BULB
DCV	DEMAND CONTROLLED VENTILATION
DEG. F	DEGREES FAHRENHEIT
DIA	DIAMETER
DX	DIRECT EXPANSION
'E'	ELECTRICAL CONTRACTOR
(E)	EXISTING
EA	EACH
EAT	ENTERING AIR TEMPERATURE
EER	ENERGY EFFICIENCY RATING
ESP	EXTERNAL STATIC PRESSURE
FAI	FRESH AIR INTAKE
FD	FLOOR DRAIN
FLA FT. H20	FULL LOAD AMPS FEET OF WATER
'G'	GENERAL CONSTRUCTION CONTRACTOR
GPM	GALLONS PER MINUTE
GPH	GALLONS PER HOUR
Н	HEIGHT
'H'	HVAC CONTRACTOR
HP	HORSEPOWER
IN.	INCHES
IN. W.C. (W.G.)	INCHES WATER COLUMN (WATER GAUGE
KW	KILOWATTS
L	LENGTH
LAT	LEAVING AIR TEMPERATURE
LBS	POUNDS
LCD	LIQUID CRYSTAL DISPLAY
LDB	LEAVING DRY BULB TEMPERATURE
LPR	STEAM CONDENSATE RETURN
LPS	LOW PRESSURE STEAM
LWB	LEAVING WET BULB TEMPERATURE
LWT M	LEAVING WATER TEMPERATURE METER
MAX	MAXIMUM
MBH	1,000 BTU PER HOUR
MCA	MINIMUM CIRCUIT AMPACITY
MIN	MINIMUM
MNF	MANUFACTURER
N.C.	NORMALLY CLOSED
N.O.	NORMALLY OPEN
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NPT	NATIONAL PIPE THREAD
NTS	NOT TO SCALE
OAI	OUTDOOR AIR INTAKE
OD	OUTER DIAMETER
OED	OPEN ENDED DUCT
'P'	PLUMBING CONTRACTOR
(P)	PROPOSED
PD	PRESSURE DROP
DCIO	LBS / SQUARE INCH (GAUGE PRESSURE)
PSIG	ROOF DRAIN
RD	
RD RPM	REVOLUTIONS PER MINUTE
RD RPM RPZ	REDUCED PRESSURE ZONE
RD RPM RPZ SAT	REDUCED PRESSURE ZONE SUPPLY AIR TEMPERATURE
RD RPM RPZ SAT SEER	REDUCED PRESSURE ZONE SUPPLY AIR TEMPERATURE SEASONAL ENERGY EFFICIENCY RATING
RD RPM RPZ SAT SEER TEMP	REDUCED PRESSURE ZONE SUPPLY AIR TEMPERATURE SEASONAL ENERGY EFFICIENCY RATING TEMPERATURE
RD RPM RPZ SAT SEER TEMP TG	REDUCED PRESSURE ZONE SUPPLY AIR TEMPERATURE SEASONAL ENERGY EFFICIENCY RATING TEMPERATURE TRANSFER GRILLE
RD RPM RPZ SAT SEER TEMP TG TYP	REDUCED PRESSURE ZONE SUPPLY AIR TEMPERATURE SEASONAL ENERGY EFFICIENCY RATING TEMPERATURE TRANSFER GRILLE TYPICAL
RD RPM RPZ SAT SEER TEMP TG TYP VFD	REDUCED PRESSURE ZONE SUPPLY AIR TEMPERATURE SEASONAL ENERGY EFFICIENCY RATING TEMPERATURE TRANSFER GRILLE TYPICAL VARIABLE FREQUENCY DRIVE
RD RPM RPZ SAT SEER TEMP TG TYP	REDUCED PRESSURE ZONE SUPPLY AIR TEMPERATURE SEASONAL ENERGY EFFICIENCY RATING TEMPERATURE TRANSFER GRILLE TYPICAL

DUCTWORK LEGEND		
SYMBOL	ABBREV	DESCRIPTION
		DUCTWORK BRANCH CONNECTION
	VD	VOLUME DAMPER
	CD	ROUND FACE SUPPLY DIFFUSER
	SEE AIR DEVICE SCHEDULE	SIDEWALL SUPPLY, RETURN OR EXHAUST GRILLE/REGISTER
	SEE AIR DEVICE SCHEDULE	SQUARE FACE SUPPLY DIFFUSER
K J	SEE AIR DEVICE SCHEDULE	BOTTOM RETURN OR EXHAUST GRILLE/REGISTER
	FC	FLEXIBLE CONNECTION
		TURNING VANES
M		RECTANGULAR TO ROUND TRANSITION
	AL	ACOUSTICAL LINING
		END CAP
	SEE AIR DEVICE SCHEDULE	SUPPLY DIFFUSER WITH DIRECTIONAL FLOW (SOLID HATCH INDICATES BLANK OFF PANEL)
		SUPPLY DUCT DROP (TURN DOWN)
		RETURN/EXHAUST DUCT DROP (TURN DOWN)
		SUPPLY DUCT RISE
		RETURN/EXHAUST DUCT RISE
DSD 🗀——	DSD	DUCT SMOKE DETECTOR
——————————————————————————————————————	MD	MOTORIZED DAMPER WITH ACTUATOR
OR OR	AD	ACCESS DOOR
	FD/AD	FIRE DAMPER WITH ACCESS DOOR
	FSD/AD	FIRE SMOKE DAMPER WITH ACCESS DOOR
		FAN
'///// ,		WORK TO BE REMOVED
		POINT OF DISCONNECTION FROM EXISTING
•		POINT OF CONNECTION TO EXISTING
CONTROLS LEGEND		

SYMBOL

S

 \bigoplus

ABBREV

DESCRIPTION

CARBON MONOXIDE SENSOR

DIGITAL TEMPERATURE SENSOR

THERMOSTAT

HUMIDITY SENSOR

PRESSURE SENSOR

CARBON DIOXIDE SENSOR

_		TEMPERATURE SENSOR WITH THERMOWELL
─ ₩─	GA	GATE VALVE
\$ —₩—	GB	GLOBE VALVE
	AV	AUTOMATIC AIR VENT
——————————————————————————————————————	cv	2-WAY ELECTRONIC CONTROL VALVE
——————————————————————————————————————	cv	3-WAY ELECTRONIC CONTROL VALVE
<u> </u>	cv	2-WAY PNEUMATIC CONTROL VALVE
──────	cv	3-WAY PNEUMATIC CONTROL VALVE
	STR	STRAINER WITH BLOW OFF VALVE WITH HOSE END CONNECTION
₩ >	FD	FLOOR DRAIN
S		AIR SEPARATOR
——⊗ ^{F&T}		STEAM TRAPS (INDICATE TYPE)
→	СН	CHECK VALVE
<u> </u>	PG	PRESSURE GAUGE WITH GAUGE COCK
—D—	RED	REDUCER
ı—	со	CLEANOUT END CAP
		PIPE GUIDE
		PIPE ANCHOR
		CAPPED PIPE
		PUMP
·////		WORK TO BE REMOVED
•		POINT OF DISCONNECTION FROM EXISTING
•		POINT OF CONNECTION TO EXISTING
<u>+</u>	TDV	TRIPLE DUTY VALVE

PIPING LEGEND

SYMBOL

 \leftarrow \bigcirc

-+|-

 $-\infty$

 $-\bowtie$

ABBREV

U

NEW WORK

THERMOMETER

UNION

PIPING DOWN/ PIPING UP

FLEXIBLE PIPE CONNECTION

PRESSURE REDUCING VALVE

PRESSURE SAFETY AND RELIEF VALVE

DIRECTION OF FLOW

BALL VALVE

BALANCING VALVE

BUTTERFLY VALVE

BALL VALVE WITH HOSE END CONNECTION

DESCRIPTION

GENERAL NOTES

- 1. PROVIDE ALL MATERIALS AND EQUIPMENT AND PERFORM ALL LABOR REQUIRED TO INSTALL COMPLETE AND OPERABLE MECHANICAL SYSTEMS AS INDICATED ON THE DRAWINGS, AS SPECIFIED AND AS REQUIRED BY CODE.
- 2. 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 OF BIDS.
- 3. PERFORM ALL WORK IN ACCORDANCE WITH THE PLUMBING CODE, FIRE CODE, MECHANICAL CODE, ENERGY CONSERVATION CONSTRUCTION CODE, AND FUEL GAS CODE OF NEW YORK STATE AND THE REQUIREMENTS OF THE LOCAL AUTHORITIES HAVING JURISDICTION.
- 4. COMPLY WITH THE NATIONAL ELECTRIC CODE AND THE REQUIREMENTS OF DIVISION 26 FOR ALL ELECTRICAL INSTALLATIONS.
- 5. FIRE STOP ALL OPENINGS IN FIRE RATED CONSTRUCTION FOR PIPING, DUCTWORK, CONDUIT, ETC. PROVIDE FIRE DAMPERS AND ACCESS DOORS IN ALL OPENINGS IN FIRE RATED FLOORS, PARTITIONS, AND WALLS FOR DUCTWORK AS PER THE MECHANICAL CODE OF NEW YORK STATE. (SEE ARCHITECTURAL DRAWINGS FOR LOCATIONS OF FIRE RATED CONSTRUCTION.)
- 6. DO NOT SCALE DRAWINGS. DRAWINGS FOR HVAC 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. INSTALL ALL EQUIPMENT AS PER MANUFACTURER'S REQUIREMENTS TO PROVIDE PROPER CLEARANCE FOR INSTALLATION, OPERATION, AND MAINTENANCE. CONTRACTOR'S INTENDED MEANS AND METHODS OF INSTALLATION AND CONTRACTOR'S FABRICATED ITEMS SHALL 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
- 7. 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, DUCTS, CONDUITS, SUSPENDED EQUIPMENT, ETC., THROUGHOUT ACCESS ROUTES IN MECHANICAL ROOMS.
- 8. FIELD VERIFY AND COORDINATE ALL DUCT AND 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.
- 9. PROVIDE PRODUCTS OF ONE MANUFACTURER WHERE TWO OR MORE ITEMS OF THE SAME TYPE OF MATERIAL OR EQUIPMENT IS REQUIRED.
- 10. 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.
- 11. LOCATE ALL TEMPERATURE, PRESSURE, AND FLOW MEASURING DEVICES IN ACCESSIBLE LOCATIONS WITH STRAIGHT SECTION OF PIPE OR DUCT UP- AND DOWNSTREAM AS RECOMMENDED BY THE MANUFACTURER TO ENSURE MANUFACTURER CERTIFIED ACCURACY.
- 12. COORDINATE ALL EQUIPMENT CONNECTIONS WITH MANUFACTURER'S CERTIFIED DRAWINGS. COORDINATE AND PROVIDE ALL PIPING AND DUCT TRANSITIONS REQUIRED FOR FINAL CONNECTIONS TO EQUIPMENT.
- 13. 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
- 14. COMPLETE ALL PRESSURE TESTS BEFORE ANY MECHANICAL EQUIPMENT, DUCTWORK, OR PIPING INSULATION IS
- 15. TESTING, ADJUSTING, AND BALANCING AGENCY SHALL BE A MEMBER OF THE ASSOCIATED AIR BALANCE COUNCIL (AABC) OR THE NATIONAL ENVIRONMENTAL BALANCING BUREAU (NEBB). PERFORM ALL TESTING, ADJUSTING, AND BALANCING IN ACCORDANCE WITH THE SPECIFICATIONS.
- 16. 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.
- 17. INTERNALLY LINE ALL SUPPLY AND RETURN DUCTWORK WITHIN 20 FEET UPSTREAM AND DOWNSTREAM OF FANS WITH 1" THICK INSULATION.
- 18. PROVIDE TRAPPED DRAIN PIPING FROM DRAIN PANS OF ALL COOLING COILS, FANS, AND OTHER ACTIVE DRAINS EXPOSED TO SYSTEM AIR STREAM. PROVIDE TRAP AT CONNECTION, WATER SEAL DEPTH 1 INCH GREATER THAN UNIT OPERATING PRESSURE. DIRECT DRAINS TO NEAREST FLOOR DRAIN, MOP SINK, OR OTHER LOCATION APPROVED BY THE ARCHITECT/ENGINEER.

WORK IN EXISTING AREAS

- 1. EXISTING CONDITIONS, INCLUDING EQUIPMENT, DUCT AND PIPE SIZES AND LOCATIONS, INDICATED ON THE DRAWINGS ARE DIAGRAMMATIC. CONFIRM ALL EXISTING CONDITIONS PRIOR TO PROCEEDING WITH THE WORK.
- CUT AND ROUGH PATCH EXISTING CONSTRUCTION AS REQUIRED FOR THE PERFORMANCE OF THE WORK. FINISH
 PATCHING AND FLASHING REQUIREMENTS ARE SHOWN ON THE ARCHITECTURAL DRAWINGS. PERFORM ALL
 CUTTING AND PATCHING WORK IN A MANNER SUCH THAT ANY EXISTING WARRANTEES/GUARANTEES ARE NOT
 VOIDED. USE QUALIFIED PERSONNEL IN PERFORMANCE OF THE WORK.

LEGENDS/ABBREVIATIONS NOTES

1. ABBREVIATIONS AND SYMBOLS ON THIS SHEET DO NOT DEFINE THE SCOPE OF WORK.



+ engineers

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Purchase, NY 10605
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NY Engineering Certificate of Authorization No. 0018178

CONSULTANTS:		
MARK	DATE	DESCRIPTION

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10-28-24	BID SET



BRIAN M. CASTELLI, P.E.

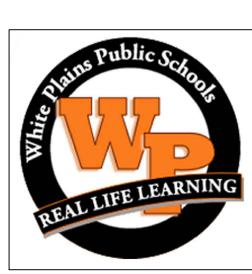
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l	RVS	F	RVS	BMC		° AEF	
	PROJECT No.: WPSD2302		OCTOB	ER 2024	SCALE	S SHOV	

WHITE PLAINS CITY SCHOOL DISTRICT

RENOVATIONS AND UPGRADES
GEORGE WASHINGTON
ELEMENTARY SCHOOL



100 Orchard Street White Plains NY, 10604

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ONTRACT

SINGLE CONTRACT

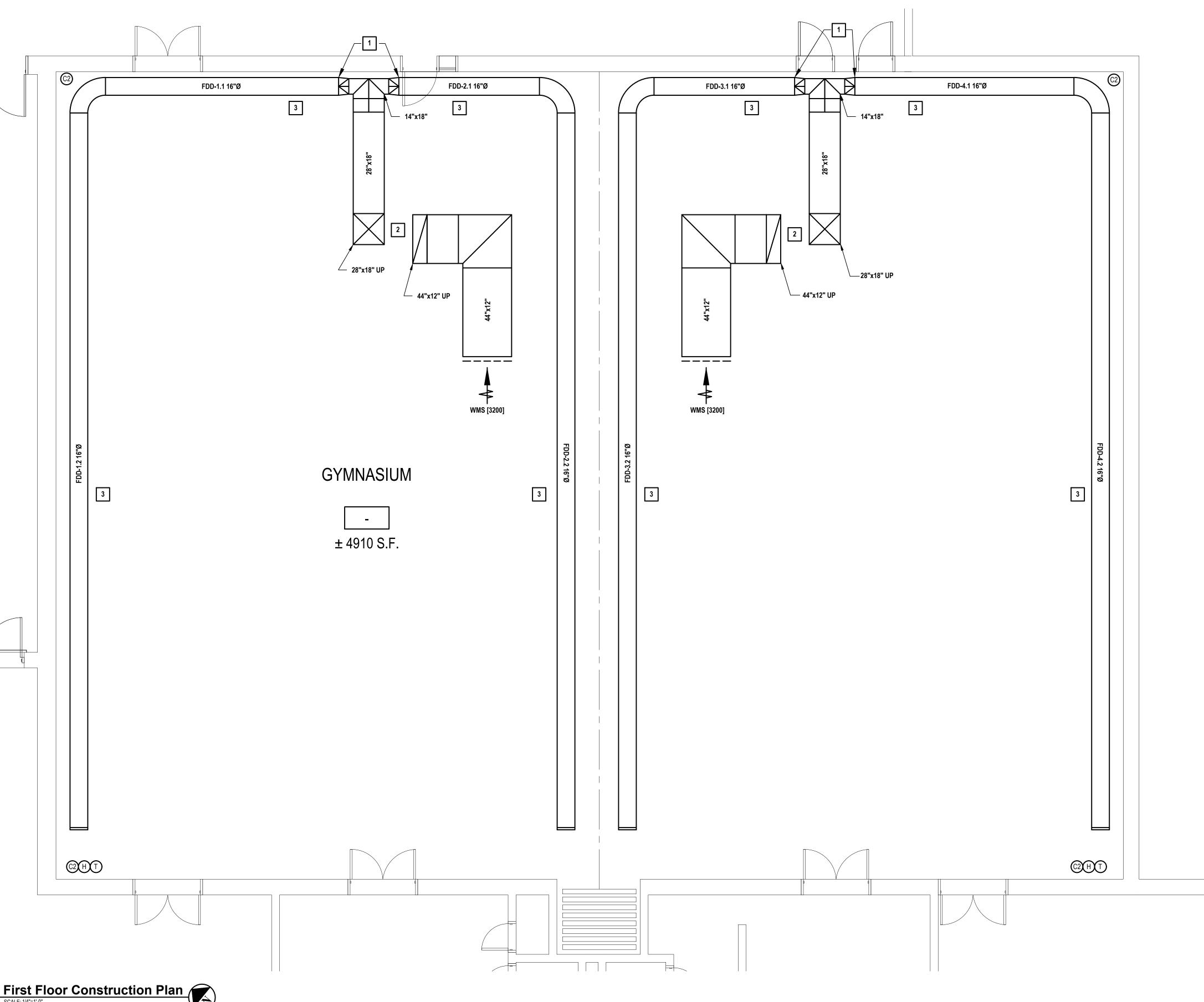
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SHEET TITLE

MECHANICAL GENERAL NOTES AND LEGENDS

DRAWING No.

M001.00



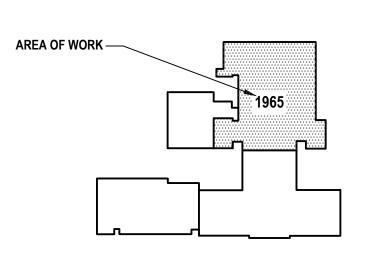


GENERAL NOTES:

- 1. COORDINATE ALL WORK WITH EXISTING CONDITIONS AND OTHER TRADES.
- 2. INSTALL ALL EQUIPMENT IN ACCORDANCE WITH MANUFACTURER'S REQUIRED MAINTENANCE CLEARANCES AND PREVAILING CODE.
- 3. DO NOT SCALE DRAWINGS. LINE WORK IS PROVIDED FOR REFERENCE ONLY. CONTRACTOR SHALL PROVIDE SHOP DRAWINGS BASED ON DESIGN INTENT, SURVEY OF EXISTING
- 4. EXISTING CONDITIONS ARE BASED ON A LIMITED FIELD SURVEY. CONTRACTOR IS RESPONSIBLE FOR VERIFICATION OF EXISTING CONDITIONS FOR ALL CONFLICTS AND SHALL ALERT ENGINEER PRIOR TO COMMENCEMENT OF NEW WORK AND PURCHASE OF EQUIPMENT.
- 5. CONTRACTOR TO COORDINATE THE PLACEMENT OF ALL TEMPERATURE / HUMIDITY / CO2 SENSORS WITH THE OWNER / DISTRICT.
- 6. ALL CONTROL WORK (DEMOLITION AND NEW WORK) SHALL BE PERFORMED BY TECHNICAL BUILDING SERVICES FORMERLY EMT AT 12E COMMERCE DRIVE, BALLSTON SPA, NY 12020 PHONE 914-747-1007 AS A SUB TO THE MECHANICAL CONTRACTOR.
- 7. ALL NEW CONTROLS SHALL BE DIRECT DIGITAL CONTROLS AND AN EXTENSION OF THE EXISTING BMS SYSTEM.

KEYED NOTES:

- SINGLE TRACK SUSPENDED ROUND FABRIC DUCT WITH ALUMINUM INTERNAL REINFORCEMENT RINGS. FOLLOW MANUFACTURER'S RECOMMENDED SPACING INTERVALS FOR ALL SUSPENSION AND MOUNTING MATERIALS. CONTRACTOR TO COORDINATE FABRIC COLOR WITH ARCHITECT PRIOR TO RELEASE
- PROVIDE AND INSTALL NEW SUPPLY / RETURN AIR DUCT AND WIRE-MESH SCREEN DOWN FROM NEW ROOFTOP UNIT(S).
- FABRIC DUCT BRANCHES TO DISPERSE 1600 CFM EACH FOR A TOTAL OF 3200 CFM PER RTU. REFER TO FABRIC DUCT DIFFUSER SCHEDULE ON DRAWING M600.00 FOR SECTION LENGTH, PERFORATION LOCATIONS, AND PERFORMANCE.





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architects

engineers

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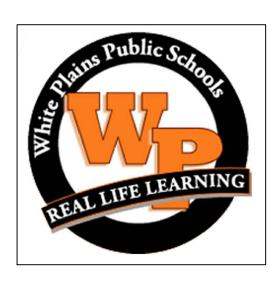


BRIAN M. CASTELLI, P.E. "IN ACCORDANCE WITH ARTICLE 145, SECTION 7209 OF THE NYS EDUCATION LAW,

ROJECT No.: DATE: SCALE:
WPSD2302 OCTOBER 2024 AS SHOWN

WHITE PLAINS CITY SCHOOL DISTRICT

RENOVATIONS AND UPGRADES **GEORGE WASHINGTON ELEMENTARY SCHOOL**



100 Orchard Street White Plains NY, 10604

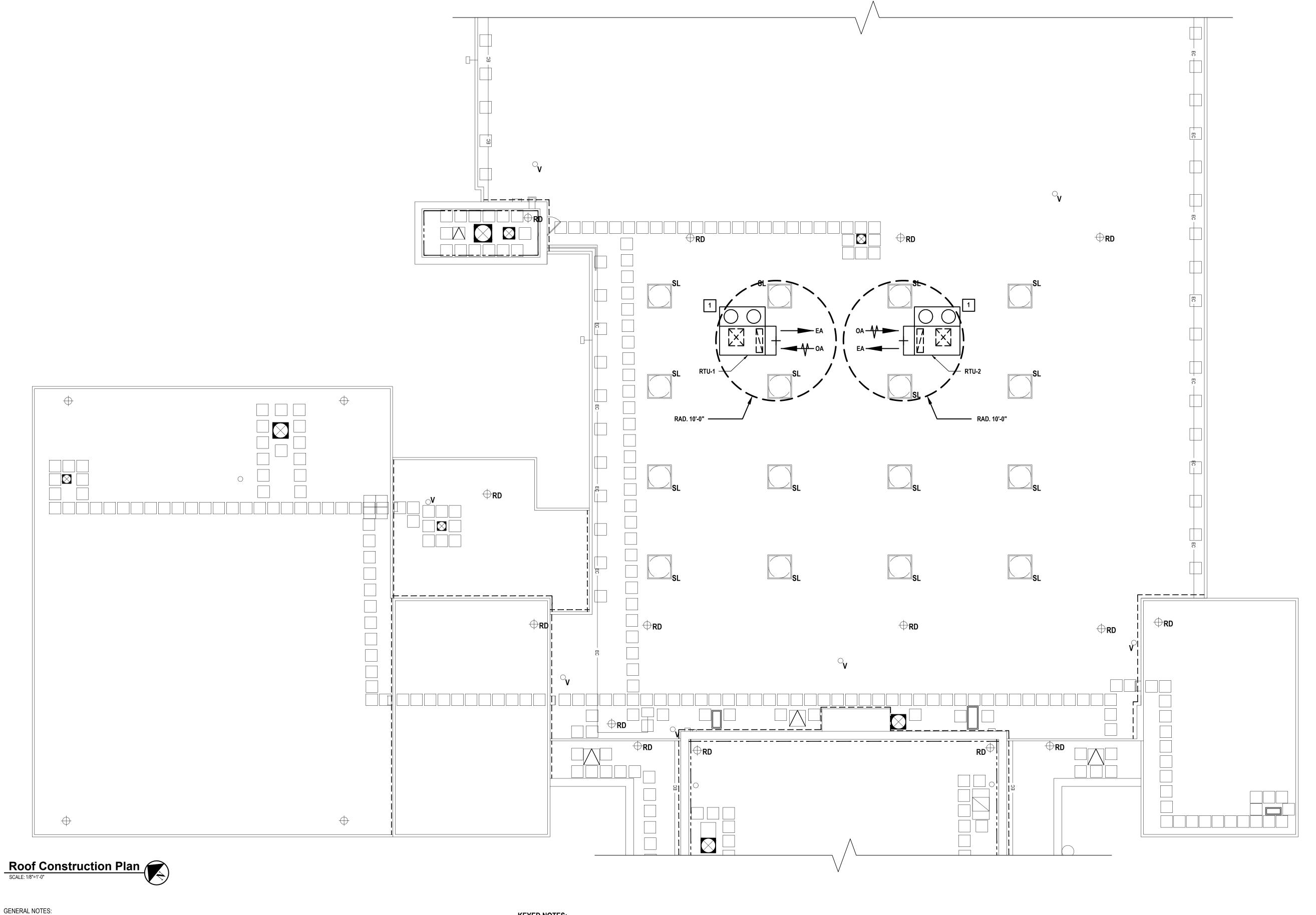
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MECHANICAL CONSTRUCTION PLAN -FIRST FLOOR

M100.00



GENERAL NOTES:

1. EXISTING CONDITIONS ARE BASED ON A LIMITED FIELD SURVEY. CONTRACTOR IS RESPONSIBLE FOR VERIFICATION OF EXISTING CONDITIONS AND COORDINATING WITH OTHER TRADES FOR ALL CONFLICTS AND SHALL ALERT ENGINEER PRIOR TO COMMENCEMENT OF NEW WORK AND PURCHASE OF EQUIPMENT.

2. DO NOT SCALE DRAWINGS. LINE WORK SHOWN IS SCHEMATIC. CONTRACTOR SHALL PROVIDE SHOP DRAWINGS BASED ON DESIGN INTENT, SURVEY OF EXISTING CONDITIONS, AND COORDINATION WITH OTHER TRADES. SUBMIT EQUIPMENT FOR APPROVAL PRIOR TO PURCHASE.

3. CONTRACTOR SHALL PROVIDE AND INSTALL NEW ROOFTOP EQUIPMENT IN COMPLIANCE WITH MANUFACTURER'S AIRFLOW REQUIREMENTS, MAINTENANCE CLEARANCES, AND APPLICABLE MECHANICAL CODE CLEARANCE REQUIREMENTS.

4. INSTALL NEW ROOFTOP EQUIPMENT CLEAR OF ANY EXISTING ROOFTOP WALKWAY PADS.

5. INSTALL NEW ROOFTOP EQUIPMENT A MINIMUM OF 10'-0" FROM LEADING EDGE.

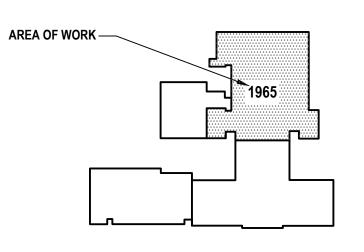
6. TERMINATE ROOFTOP UNIT CONDENSATE LINES AT THE NEAREST ROOF DRAIN (IF FEASIBLE).

7. ALL CONTROL WORK (DEMOLITION AND NEW WORK) SHALL BE PERFORMED BY ENERGY MANAGEMENT OF FACILITIES (EMF) AT 581 N STATE ROAD, BRIARCLIFF MANOR, NY 10510 - PHONE 914-747-1007 AS A SUB TO THE MECHANICAL CONTRACTOR. EMF IS A PARTNER OF SCHNEIDER ELECTRIC.

8. ALL NEW CONTROLS SHALL BE DIRECT DIGITAL CONTROLS AND AN EXTENSION OF EMF'S EXISTING BMS SYSTEM.

KEYED NOTES:

FURNISH AND INSTALL SUPPLEMENTAL STEEL REINFORCEMENTS BENEATH EXISTING DECK TO SUPPORT NEW UNIT WEIGHTS. REFER TO STRUCTURAL DETAILS ON PAGE M500.00







architects engineers

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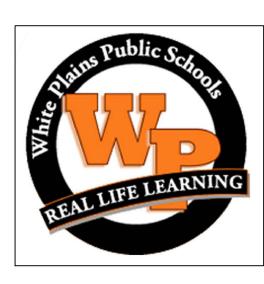
BRIAN M. CASTELLI, P.E.

NY PROFESSIONAL ENGINEER Lic. No. 099167

		ARTICLE 145, SECT OCUMENT EXCEPT E			
DESIGNED BY: RVS	DRAWN F	IBY: RVS	CHECKED BY: BMC		REVIEWED E
PROJECT No.: WPSD2302	2	DATE: OCTOB	ER 2024	SCALE	SHOV

WHITE PLAINS CITY SCHOOL DISTRICT

RENOVATIONS AND UPGRADES **GEORGE WASHINGTON ELEMENTARY SCHOOL**



100 Orchard Street White Plains NY, 10604

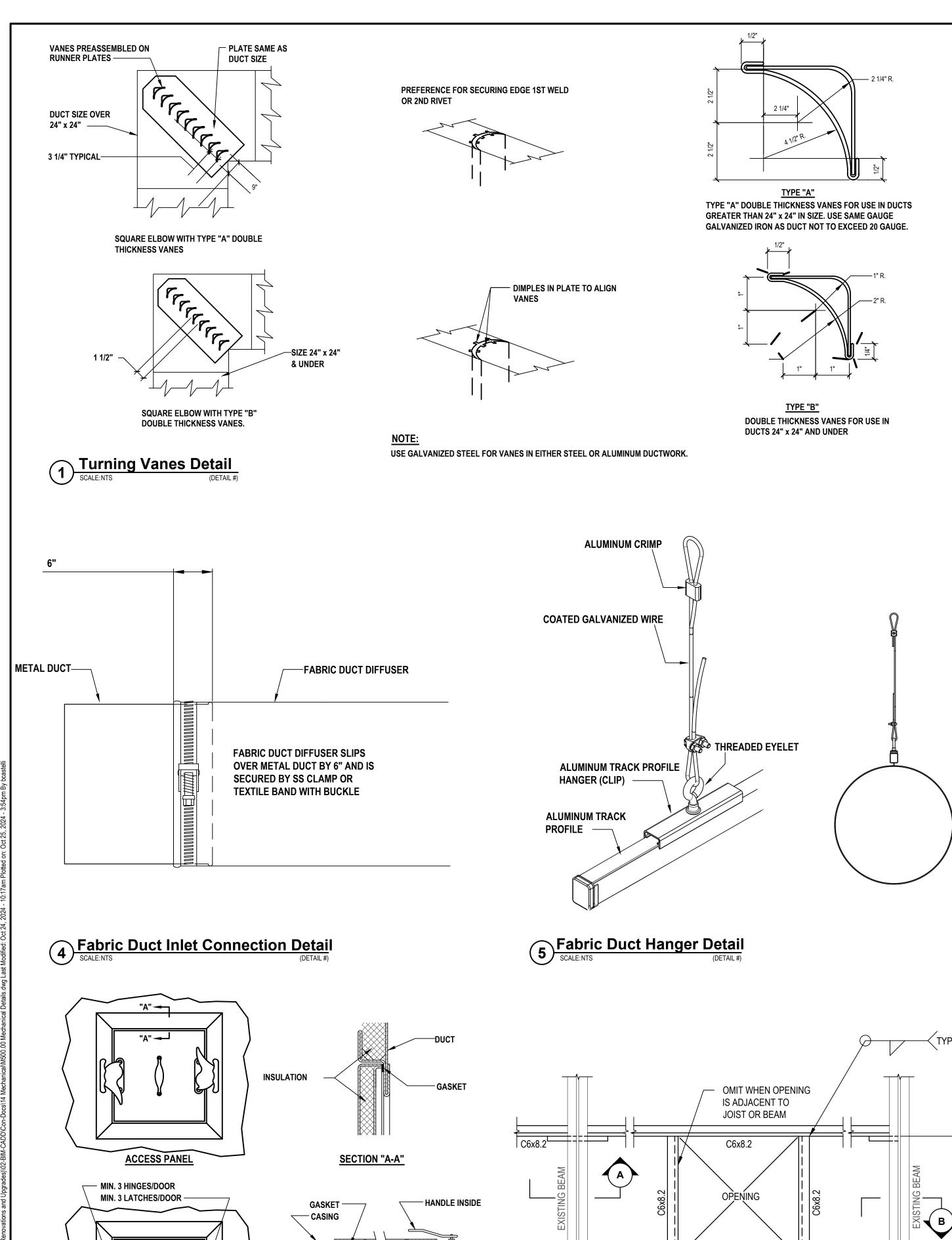
66-22-00-01-0-009-018

SINGLE CONTRACT

BID SUBMISSION

MECHANICAL CONSTRUCTION PLAN -ROOF

M140.00



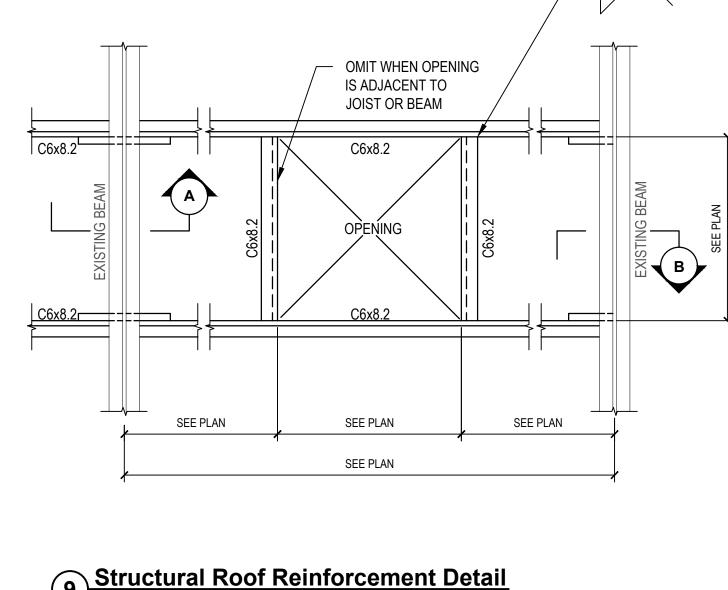
SECTION "B-B"

ACCESS DOOR

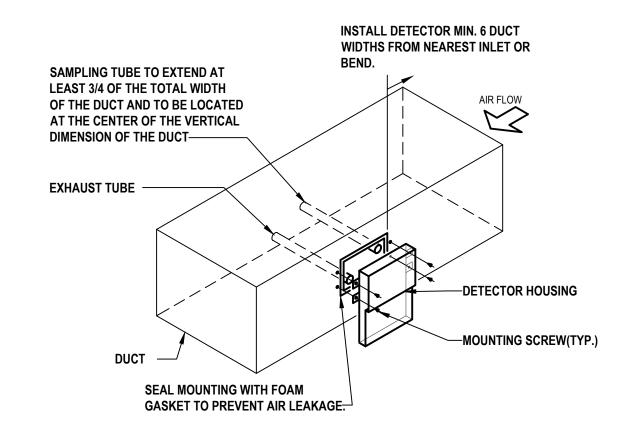
WHERE SPACE LIMITATIONS DO NOT ALLOW HINGED DOORS TO OPEN.

8 Access Door & Panel Details
| SCALE: NTS (DETAIL #)

PROVIDE ACCESS DOORS ON AIR HANDLING UNITS AND DUCTWORK INSTALLED IN EQUIPMENT ROOMS. PROVIDE ACCESS PANELS ON ALL EQUIPMENT AND DUCTWORK INSTALLED ABOVE FINISHED CEILINGS

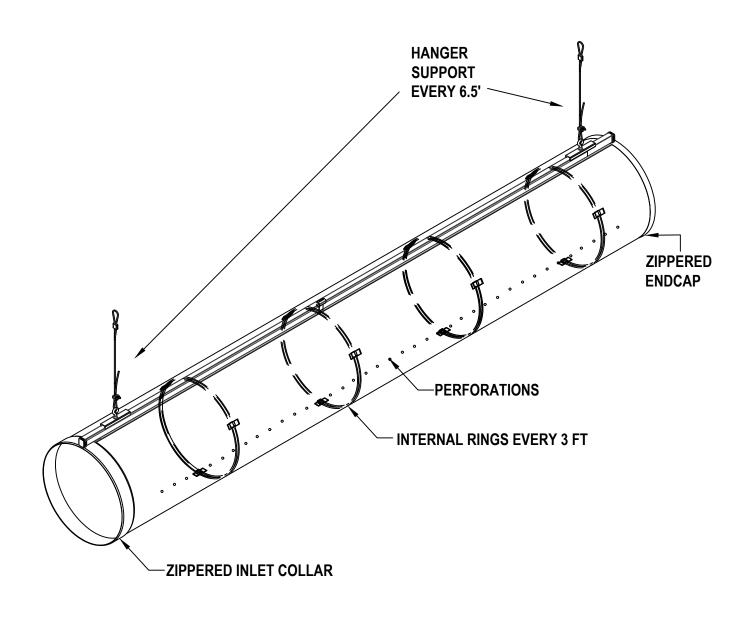


9 Structural Roof Reinforcement Detail
SCALE:NTS (DETAIL #)

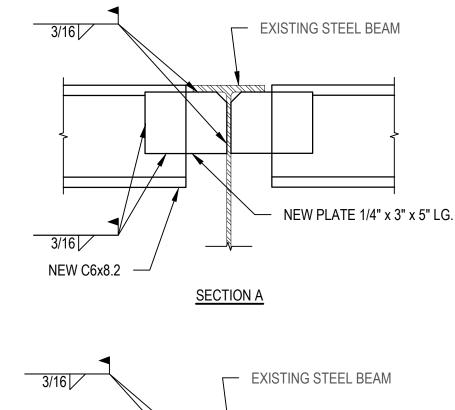


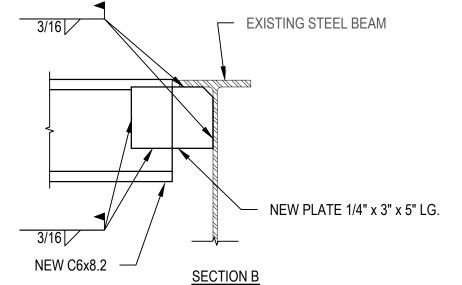
1. INTERFACE OF NEW DUCT SMOKE DETECTORS W/ EXISTING BUILDING FIRE ALARM SYSTEM BY CONTRACT 'E'.

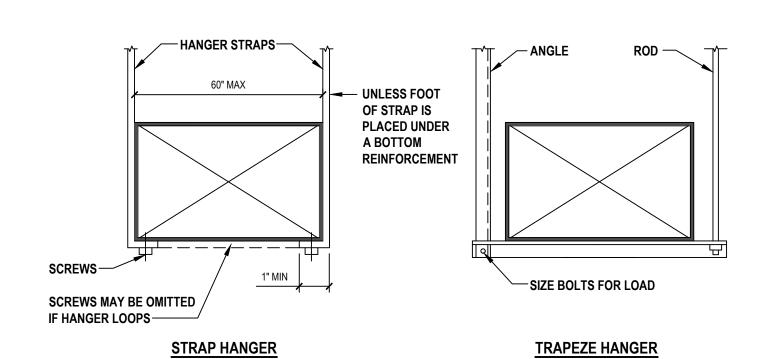
2 Duct Mounting Smoke Detector Detail SCALE: NTS (DETAIL #)



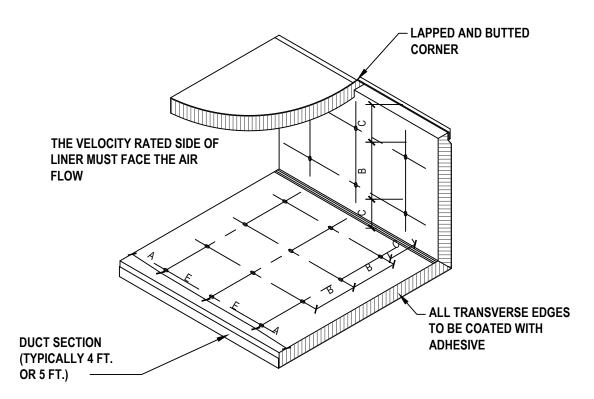
Fabric Duct Installation Detail
SCALE:NTS (DETAIL#)







1. SIZE ALL SUPPORTS IN ACCORDANCE WITH THE SMACNA DUCT CONSTRUCTION STANDARDS, LATEST EDITION.



MAXIMUM SPACING FOR FASTENERS. **ACTUAL INTERVAL**

NG FOR FASTENERS.	LINER ADHERED TO THE DUCT WITH
ALS ARE APPROXIMATE.	90% MIN. AREA COVERAGE OF
	ADHESIVE

* UNLESS A LOWER LEVEL IS SET BY MANUFACTURER OR LISTING AGENCY

VELOCITY*	DIMENSIONS							
VELOCITY	Α	В	С	E				
0-1500 FPM	3"	12"	4"	18"				
1501-3500 FPM	3"	6"	4"	16"				

7 Acoustical Liner Fastening Detail
SCALE: NTS



engineers

1133 Westchester Ave., Suite N-210 Purchase, NY 10605 914.358.5623 • www.h2m.com NY Architecture & Landscape Architecture: No Certificate Required NY Engineering Certificate of Authorization No. 0018178

DATE	DESCRIPTION
10-28-24	BID SET

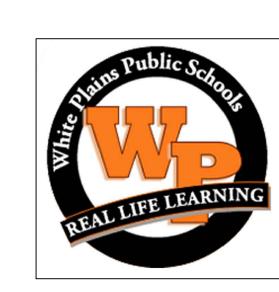


BRIAN M. CASTELLI, P.E. "IN ACCORDANCE WITH ARTICLE 145, SECTION 7209 OF THE NYS EDUCATION LAW,

OCTOBER 2024 AS SHOWN

WHITE PLAINS CITY SCHOOL DISTRICT

RENOVATIONS AND UPGRADES GEORGE WASHINGTON **ELEMENTARY SCHOOL**



100 Orchard Street White Plains NY, 10604

66-22-00-01-0-009-018

SINGLE CONTRACT

BID SUBMISSION

MECHANICAL DETAILS

M500.00

PACKAGE	ED ROOF	TOP HEAT	PUMP UN	NITS												
									PE	RFORMANCE/CONST	RUCTION REQUIREMEN	TS				
FOUIDMENT			REQUIRED		SUPPLY FAN(S)				С	OOLING COIL			HEATIN	IG COIL		FILTERS
EQUIPMENT NO.	LOCATION	AREA SERVED	ENERGY EFFICIENCY	MAXIMUM FLOW			OUTSIDE AIR FLOV	V TOTAL CAPACITY	DEEDIGEDANT	AIF	DATA			AIR	DATA	
			RATING (EER/IEER)	(CFM)	EXT. S.P. (IN W.G)	ВНР	(CFM)	(MBH)	REFRIGERANT TYPE	ENT. DB/WB (DEG. F)	MAX LVG DB/WB (DEG F)	HEATING TYPE	SIZE (KW)	ENT. DB (DEG. F)	MAX LVG DB (DEG F)	ТҮРЕ
RTU-1	ROOF	GYMNASIUM	11.0 / 12.0	3200	2	1.63	865	128	R410A	80 / 67	54 / 54	ELECTRIC	36	60.0	95.4	MERV13
RTU-2	ROOF	GYMNASIUM	11.0 / 12.0	3200	2	1.63	865	128	R410A	80 / 67	54 / 54	ELECTRIC	36	60.0	95.4	MERV13

DUCT ACCESS DOORS							
DUCT SIZE PERPENDICULAR TO AIR FLOW (IN)	ACCESS DOOR HEIGHT (IN)	ACCESS DOOR WIDTH (IN)					
6" - 24"	2" SMALLER THAN DUCT SIZE	8" MINIMUM OR EQUAL TO ACCESS DOOR HEIGHT					
25" - 48"	2" SMALLER THAN DUCT SIZE	2'-0"					
OVER 48"	3'-10"	2'-0"					
PLENUMS AND WALK IN ACCESS	5'-6"	2'-0"					

PACKAGI	PACKAGED ROOFTOP HEAT PUMP UNITS (CONTINUED)								
		E	BASIS OF DESIGN	INFORMATION					
				E					
EQUIPMENT NO.	MNF	MODEL NO.	NOMINAL DIMENSIONS LxWxH	NOMINAL OPERATION WEIGHT (LBS)	VOLTS/PHASE	SUPPLY FAN(S) HP	MCA/MOCP	REMARKS	
RTU-1	DAIKIN	DPS010A	91x97x57	2346	208 / 3	4	170 / 175	1-18	
RTU-2	DAIKIN	DPS010A	91x97x57	2346	208 / 3	4	170 / 175	1-18	

1. ROOFTOP UNIT TO BE INSTALLED ON MFG. 14" ROOF CURB 7. VERTICAL SUPPLY/RETURN 13. LOW SOUND BLANKET

8. DIRTY FILTER SENSOR DDC SPACE SENSOR

15. ECONOMIZER WITH BAROMETRIC RELIEF

14. BACNET COMPATIBLE

3. POWERED CONVENIENCE OUTLET 10. LOW VOLTAGE CONTROLLER

4. SINGLE POINT POWER CONNECTION 11. VARIABLE SPEED COMPRESSOR

SCR CONTROL

5. CO2 DUCT SENSOR

17. AIR SOURCE HEAT PUMP

ECM MOTOR

12. OUTDOOR AIR MONITOR

9. NON-FUSED DISCONNECT

VENTILA	TION INDEX I	BASED ON 202	0 MECH	ANICAL CODE	OF NEW	YORK STATE S	ECTION 403			
EQUIPMENT NO.	ROOM NAME	OCCUPANCY CLASSIFICATION	FLOOR AREA (SF)	OCCUPANCY LOAD (PERSONS/1000 SF)	NUMBER OF OCCUPANTS	OCCUPANT BASED OA RATE (CFM/OCCUPANT)	AREA BASED OUTSIDE AIR RATE (CFM/SF)	TOTAL OA REQUIRED (CFM)	SPACE VENTILATION EFFICIENCY Ev	ACTUAL OA PROVIDED (CFM)
RTU - 1 / 2	GYMNASIUM	AMUSEMENT: GYM	4910	7	35	20	0.18	1584	0.8	1980

NOTES:

- 1. VENTILATION RATE CALCULATED IN ACCORDANCE WITH THE 2020 MECHANICAL CODE OF NYS.
- 2. EACH RTU TO PROVIDE HALF THE REQUIRED OUTDOOR AIR FLOW.
- OPERATE LESS THAN 20 HOURS PER WEEK AT THE OUTDOOR AIR PERCENTAGE COVERED BY TABLE C403.7.4(1)." ENERGY RECOVERY VENTILATION SYSTEM NOT REQUIRED UNDER EXCEPTION 9, "SYSTEMS EXPECTED TO

FABRIC DUCT DI	FFUSER								
MANUFACTURER	FLOW MODEL	PLAN MARK	LENGTH (FT.)	SIZE (IN. DIA.)	INLET ESP (IN. W.G.)	CFM	INSTALLATION TYPE	DISPERSION TYPE / LOCATION	NOTES
PRIHODA	LASER CUT PERFORATIONS	FDD-1.1	17' 7"	16"	.5"	1600	SINGLE TRACK WITH INTERNAL RINGS	N/A	1,2,3,4
PRIHODA	LASER CUT PERFORATIONS	FDD-1.2	54'	16"	-	1551	SINGLE TRACK WITH INTERNAL RINGS	PERFORATIONS - 1" @ 240°, 210°	1,2,3,4
PRIHODA	LASER CUT PERFORATIONS	FDD-2.1	10' 7"	16"	.5"	1600	SINGLE TRACK WITH INTERNAL RINGS	N/A	1,2,3,4
PRIHODA	LASER CUT PERFORATIONS	FDD-2.2	54'	16"	-	1571	SINGLE TRACK WITH INTERNAL RINGS	PERFORATIONS - 1" @ 240°, 210°	1,2,3,4
PRIHODA	LASER CUT PERFORATIONS	FDD-3.1	10' 7"	16"	.5"	1600	SINGLE TRACK WITH INTERNAL RINGS	N/A	1,2,3,4
PRIHODA	LASER CUT PERFORATIONS	FDD-3.2	54'	16"	-	1571	SINGLE TRACK WITH INTERNAL RINGS	PERFORATIONS - 1" @ 240°, 210°	1,2,3,4
PRIHODA	LASER CUT PERFORATIONS	FDD-4.1	17'	16"	.5"	1600	SINGLE TRACK WITH INTERNAL RINGS	N/A	1,2,3,4
PRIHODA	LASER CUT PERFORATIONS	FDD-4.2	54'	16"	-	1552	SINGLE TRACK WITH INTERNAL RINGS	PERFORATIONS - 1" @ 240°, 210°	1,2,3,4

NOTES:

- 1. ALL SUSPENSION AND MOUNTING MATERIALS ARE TO BE IN GALVANIZED STEEL.
- 2. ALL LENGTHS ARE APPROXIMATE AND MUST BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO RELEASE.
- 3. PERFORATION LOCATIONS TO BE REVIEWED AND VERIFIED DURING SUBMITTAL.
- 4. FABRIC TO BE EQUAL TO PRIHODA CLASSIC (PERMEABLE) UL CLASSIFIED (723 / 2518)

Н	2
	M

architects engineers

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CONSULTANTS:		

MARK	DATE	DESCRIPTION
	10-28-24	BID SET



BRIAN M. CASTELLI, P.E.

NY PROFESSIONAL ENGINEER Lic. No. 099167 "IN ACCORDANCE WITH ARTICLE 145, SECTION 7209 OF THE NYS EDUCATION LAW, ALTERATION OF THIS DOCUMENT EXCEPT BY LICENSE PROFESSIONAL IS ILLEGAL."

PROJECT No.:

WPSD2302

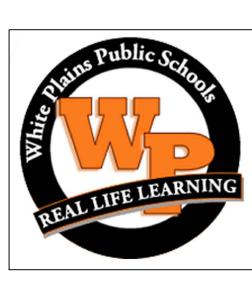
DATE:

OCTOBER 2024

AS SHOWN

WHITE PLAINS CITY SCHOOL DISTRICT

RENOVATIONS AND UPGRADES GEORGE WASHINGTON **ELEMENTARY SCHOOL**



100 Orchard Street White Plains NY, 10604

66-22-00-01-0-009-018

SINGLE CONTRACT

BID SUBMISSION

MECHANICAL SCHEDULES

M600.00

LEG	SEND
SYMBOL	DESCRIPTION
O	PIPING UP
	PIPING DOWN
	PIPING RISE OR DROP
	BRANCH-TOP CONNECTION
	BRANCH-BOTTOM CONNECTION
CO ×	REDUCER
——————————————————————————————————————	CLEANOUT
<u>•</u>	FLOOR CLEANOUT
	CAPPED PIPE
<u>M</u>	METER
Ô	FLOOR DRAIN
\Diamond	AQUASTAT
	PUMP
	STRAINER
	UNION
	THERMOSTATIC MIXING VALVE
<u> </u>	BALANCING VALVE (BLV)
	GLOBE VALVE (GLV)
	CHECK VALVE (CV)
	GAS COCK, GAS STOP
<u> </u>	BALL VALVE (BV)
<u> </u>	BUTTERFLY VALVE (BFV)
\$	SOLENOID VALVE
	PRESSURE-REDUCING VALVE (PRV)
	GATE VALVE (GV)
	PRESSURE-RELIEF VALVE (RV)
——————————————————————————————————————	BACKFLOW PREVENTER
*+	FROST FREE HOSE BIBB
†	HOSE BIBB
<u> </u>	RECESSED-BOX HOSE BIBB OR
	WALL HYDRANT EXPANSION JOINT
T	WATER HAMMER ARRESTER
CO	VALVE IN RISER
₹	WALL CLEANOUT (WCO) PITCH DOWN OR UP IN DIRECTION
	OF ARROW
-	FLOW IN DIRECTION OF ARROW
	COLD WATER (CW)
	TEMPERED WATER (TW)
	HOT WATER (HW)
	TEMPERED WATER RETURN (TWR)
	HOT WATER RETURN (HWR)
	WASTE PIPING (W,S,OW)
	BELOW SLAB WASTE PIPING
	VENT PIPING (V)
	GAS PIPING (G)
. / / / / /	TO BE REMOVED
<i></i>	
<i>4- </i>	POINT OF CONNECTION

	ABBREVIATIONS ABOVE EINIGHED ELOOP
AFF	ABOVE FINISHED FLOOR
BTU	BRITISH THERMAL UNIT
BTUH	BTU PER HOUR
CLG	CEILING
СО	CLEAN OUT
CODP	CLEAN OUT DECK PLATE
COWP	CLEAN OUT WALL PLATE
CW	COLD WATER
(D)	DEMOLISH
DCV	DOUBLE CHECK VALVE DEVICE
DEG. F	° FAHRENHEIT
DIA	DIAMETER
DN	DOWN
(E)	EXISTING
EA	EACH
FAI	FRESH AIR INTAKE
FD	FLOOR DRAIN
G	GAS
'GC'	GENERAL CONSTRUCTION CONTRACTOR
GPM	GALLONS PER MINUTE
GPH	GALLONS PER HOUR
'H'	HVAC CONTRACTOR
НР	HORSEPOWER
HW	HOT WATER
HWR	HOT WATER RETURN
IN.	INCHES
IN. W.C. (W.G.)	INCHES WATER COLUMN (WATER GAUGE
KW	KILOWATTS
LBS	POUNDS
M	METER
MAX	MAXIMUM
MIN	MINIMUM
NTS	NOT TO SCALE
OD	OUTER DIAMETER
(P)	PROPOSED
'P'	PLUMBING CONTRACTOR
PD	PRESSURE DROP
RD	ROOF DRAIN
RPM	REVOLUTIONS PER MINUTE
RPZ	REDUCED PRESSURE ZONE
SAN/S	SANITARY
SAN / S	STORM DRAIN
TEMP	TEMPERATURE
TYP	TYPICAL TEMPERED WATER (4400E)
TW	TEMPERED WATER (110°F)
TWR	TEMPERED WATER RETURN
V	VENT
VTR	VENT THROUGH ROOF
W	WASTE

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/ENGINEER PRIOR TO THE SUBMISSION OF
- PERFORM ALL WORK IN ACCORDANCE WITH THE 2020 PLUMBING CODE OF NEW YORK STATE (PCNYS), MECHANICAL (MCNYS), ENERGY CONSERVATION CONSTRUCTION CODE OF NEW YORK STATE (ECCCNYS) CODE AND THE REQUIREMENTS OF THE LOCAL AUTHORITIES HAVING JURISDICTION.
- APPLY FOR AND SECURE ALL REQUIRED PERMITS AND INSPECTIONS AND PAY ALL COSTS FOR THE SAME.
- 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.
- 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.**
- 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.**
- 0. 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.
- 12. 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.
- 13. COMPLETE ALL PRESSURE TESTS BEFORE ANY PLUMBING EQUIPMENT, OR PIPING INSULATION IS APPLIED.

4. 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.
- 5. PROVIDE CONCRETE PADS A MINIMUM OF 4 INCHES HIGH FOR ALL FLOOR MOUNTED EQUIPMENT. EXTEND PAD 4 INCHES BEYOND THE EQUIPMENT ON ALL SIDES.
- 6. INSTALL PIPING, AND CONDUIT CONCEALED IN AREAS HAVING HUNG CEILINGS AND/OR FURRED SPACES UNLESS OTHERWISE INDICATED ON THE DRAWINGS.
- 7. 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.
- 18. 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
- 20. INSTALL FIXTURES AND EQUIPMENT WITH VALVES, UNIONS, ETC. TO ALLOW FOR EASE OF SERVICE AND/OR REMOVAL.
- 21. PROVIDE A CLEANOUT AT THE BASE OF WASTE AND VENT STACKS WITH FINISHED WALL PLATE IN FINISHED WALLS.
- 22. FURNISH AND INSTALL WATER PRESSURE REDUCING VALVE AND PRESSURE RELIEF VALVE IN ACCORDANCE WITH THE PLUMBING CODE OF NEW YORK STATE ON ALL INCOMING DOMESTIC WATER SYSTEMS IN EXCESS OF 80 P.S.I.G.
- 23. SLOPE ALL VENT PIPING TO DRAIN BACK TO THE DRAINAGE SYSTEM.
- 24. FLUSH AND DISINFECT ALL DOMESTIC POTABLE WATER PIPING AND TEST THE WATER IN ACCORDANCE WITH THE PLUMBING CODE OF NEW YORK STATE. PROVIDE CERTIFICATE OF PERFORMANCE AND LABORATORY TEST REPORT TO LOCAL AUTHORITIES HAVING JURISDICTION AND OBTAIN THEIR APPROVAL
- PROVIDE WATER HAMMER ARRESTORS AT ALL QUICK CLOSING FIXTURE VALVE LOCATIONS.
- 26. ALL PIPING, VALVES AND FITTINGS USED FOR POTABLE WATER SHALL BE NSF 61/372 COMPLIANT AND BE TESTED FOR
- 27. ANY PENETRATIONS THROUGH AIR BARRIER SHALL BE SEALED AS PER 2020 BCNYS AND COMMERCIAL PROVISIONS .
- 28. 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.
- 29. HOT WATER TEMPERATURE FOR ALL PUBLIC HAND WASHING FIXTURES SHALL BE TEMPERED TO A MAXIMUM TEMPERATURE OF 110 DEGREES F.
- 30. ALL FIXTURES SHALL MEET THE WATER CONSERVATION REQUIREMENTS LISTED IN THE TABLE 604.4 OF THE 2020 PLUMBING CODE OF NEW YORK STATE.
- 11. ALL FIXTURES THAT HAS THE ABILITY TO HAVE A HOSE CONNECTED TO IT, OR DIRECT CONNECTED FIXTURES, SHALL HAVE A BACKFLOW PREVENTION DEVICE ON THE FAUCET, VACUUM BREAKER (ASSE 1052 AND ASME A112.21.3).
- 32. ALL SANITARY FITTINGS SHALL BE 'WYE' TYPE AND SHALL FOLLOW THE DIRECTION OF FLOW.
- 33. IN THE EVENT THAT THERE IS A DISCREPANCY BETWEEN DESIGN PLANS, RISER DIAGRAMS, AND/OR SPECIFICATIONS CONCERNING PIPE SIZES, FIXTURES, AND/OR EQUIPMENT, THE MOST STRINGENT REQUIREMENTS SHALL BE APPLIED TO THE PROJECT.
- 34. FIRE STOP ALL OPENINGS IN FIRE RATED CONSTRUCTION FOR PIPING, CONDUIT, ETC.
- 5. MAINTAIN MAXIMUM HEADROOM AND SPACE CONDITIONS AT ALL POINTS. WHERE HEADROOM AND SPACE CONDITIONS APPEAR INADEQUATE, NOTIFY ARCHITECT 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.
- 36. CORE DRILL ALL PENETRATIONS THROUGH CONCRETE FLOORS, WALLS, AND FOOTINGS.
- 77. INSTALL LINK SEAL TYPE PROTECTION FOR WATER RESISTANT SEALS AT ALL SLAB AND BELOW GROUND WALL FOOTING PENETRATIONS.
- 38. COVER ALL COPPER PIPING BELOW SLAB WITH *ARMAFLEX* TYPE INSULATION.

ENERGY NOTES

2020 ENERGY CONSERVATION CONSTRUCTION CODE OF NEW YORK STATE NOTES: STATEMENT OF COMPLIANCE:

TO THE BEST OF MY KNOWLEDGE, AND PERSONAL JUDGEMENT, THESE PLANS AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE 2020 NEW YORK STATE ENERGY CONSERVATION CODE (ECCCNYS).

- 1. SERVICE WATER HEATING EQUIPMENT PERFORMANCE EFFICIENCY:
- 1.1. WATER HEATING EQUIPMENT AND HOT WATER STORAGE TANKS SHALL MEET THE REQUIREMENTS OF TABLE C404.2 IN THE 2020 ECCCNYS. (ECCCNYS C404.2)
- SERVICE WATER HEATING SHALL BE COMMISSIONED AND COMPLETED IN ACCORDANCE WITH SECTION C408.2 OF THE 2020 ECCCNYS.

2. TEMPERATURE CONTROL:

- 2.1. SERVICE WATER HEATING EQUIPMENT SHALL BE PROVIDED WITH CONTROLS ALLOWING A SETPOINT OF 110°F AND 90 °F FOR OTHER OCCUPANCIES. PUBLIC REST ROOM LAVATORIES SHALL HAVE A MAXIMUM OUTLET
- WHERE WATER HEATING EQUIPMENT SERVING NONCIRCULATING SYSTEMS IS NOT SUPPLIED WITH INTEGRAL HEAT TRAPS, HEAT TRAPS SHALL BE PROVIDED ON THE SUPPLY AND DISCHARGE PIPING. (ECCCNYS C404.3)

3. PIPE INSULATION:

- 3.1. AUTOMATIC CIRCULATING HOT WATER SYSTEM PIPING SHALL BE INSULATED WITH 1 INCH OF INSULATION WITH A CONDUCTIVITY NOT EXCEEDING 0.27 BTU PER INCH, OR THE INSULATION REQUIREMENTS, WHICHEVER IS GREATER. THE FIRST 8 FT OF PIPING IN NONCIRCULATING SYSTEMS WITH EQUIPMENT WITHOUT INTEGRAL HEAT TRAPS SHALL BE INSULATED WITH 0.5 INCH OF MATERIAL HAVING A CONDUCTIVITY NOT EXCEEDING 0.27 BTU PER INCH, OR THE INSULATION REQUIREMENTS, WHICHEVER IS GREATER. (ECCCNYS C404.5)
- ALL PIPING TO BE INSULATED WITH 0.21-0.28 CONDUCTIVITY

HOT WATER PIPING (140°F) AND TEMPERED WATER PIPING (110°F)

- COLD WATER PIPING ALL SIZES 1-INCH INSULATION, A.S. JACKET. STORM DRAINAGE PIPING ALL HORIZONTAL RUNS AND DRAIN BODY - MINIMUM 1-INCH INSULATION, A.S. JACKET.
- PIPE SIZE: < 1" INSULATION: 1"
- **PIPE SIZE: 1" TO < 1-1/2" INSULATION: 1"** 3.5.2.
- 3.5.3. PIPE SIZE: 1-1/2 TO < 4" INSULATION: 1.5" 3.5.4. PIPE SIZE: 4" TO < 8" INSULATION: 1.5"

4. HOT WATER SYSTEM CONTROLS:

CIRCULATING HOT WATER SYSTEM PUMPS OR HEAT TRACE SHALL BE ARRANGED TO BE TURNED OFF EITHER AUTOMATICALLY OR MANUALLY WHEN THERE IS LIMITED HOT WATER DEMAND. READY ACCESS SHALL BE PROVIDED TO THE OPERATING CONTROLS. (ECCCNYS C404.6)

5. PIPE VOLUME AND MAXIMUM LENGTHS

PER SECTION OF C404.5.1 OF THE 2020 ECCCNYS, ALL MAXIMUM PIPE LENGTHS FROM FIXTURES SHALL COMPLY WITH THE MAXIMUM PIPE LENGTHS ON THE CHART BELOW. CONTRACTOR TO ENSURE HOT WATER RETURN PIPING IS INSTALLED AS PER PLANS AND THAT THESE LENGTHS ARE MAINTAINED.

NOMINAL PIPE SIZE	VOLUME (LIQUID OUNCES PER	MAXIMUM PIPING	ENGTH (FEET)		
(INCHES)	· · · · · · · · · · · · · · · · · · ·		OTHER FIXTURES AND APPLIANCES		
1/4"	0.33	6	50		
5/16"	0.5	4	50		
3/8"	0.75	3	50		
1/2"	1.5	2	43		
5/8"	2	1	32		
3/4"	3	0.5	21		
7/8"	4	0.5	16		
1"	5	0.5	13		
1-1/4"	8	0.5	8		
1-1/2"	11	0.5	6		
2" OR LARGER	18	0.5	4		

LEAD FREE NOTE

- ALL FAUCETS, FITTINGS, AND VALVES MUST COMPLY WITH NSF 61 AND ANSI / NSF 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. 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.

DEMOLITION NOTES

GENERAL

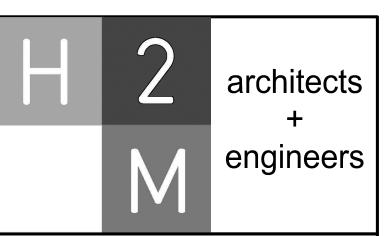
- PRIOR TO PROPOSAL SUBMISSION, THIS CONTRACTOR SHALL VISIT THE SITE TO REVIEW THE EXISTING CONDITIONS ASSOCIATED WITH THE SCOPE OF WORK AND ADJACENT AREAS TO ASCERTAIN THE DIFFICULTIES WHICH WILL AFFECT THE **EXECUTION OF THE WORK OF THIS CONTRACT.**
- SUBMISSION OF A PROPOSAL WILL BE CONSTRUED AS EVIDENCE 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
- 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 MANAGEMENT.
- 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.

TURNED OVER TO THE OWNER.

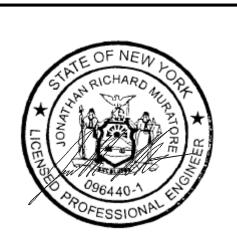
- 6. REMOVE BASE BUILDING PIPING AS INDICATED BELOW: 6.1. REMOVE ALL ABANDONED BASE BUILDING PIPING BACK TO THE EXISTING WET COLUMNS OR SHAFTS, OR AS NOTED ON DRAWINGS.
- 6.2. CONTRACTOR TO CONTACT BUILDING MANAGEMENT AND TENANT REGARDING REMOVAL SCOPE OF WORK TO MAINTAIN CONTINUITY OF ALL SERVICES TO ALL TENANTS WHO ARE TO REMAIN OPERATIONAL AND NOT BE AFFECTED BY DEMOLITION WORK.
- 6.3. ALL EXISTING BUILDING VALVES FOR DOMESTIC WATER MAINS AT SHAFTS ARE TO
- PROVIDE ADDITIONAL SUPPORT FOR ALL EXISTING PIPING TO REMAIN WHICH ARE
- 8. COORDINATE WITH OWNER TO DETERMINE WHETHER REMOVED EQUIPMENT IS TO BE
- AFFECTED BY DEMOLITION OF EXISTING CEILING AND PARTITIONS.



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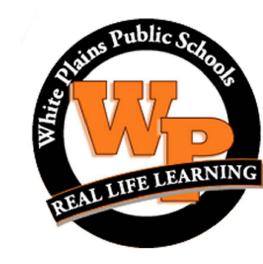
MARK	DATE	DESCRIPTION
	10-28-2024	BID SET



JONATHAN R. MURATORE, P.E. P. DATE JRM RFB OCTOBER 2024 AS SHOWN WPSD2301

WHITE PLAINS CITY SCHOOL DISTRICT

UPGRADES AT CHURCH STREET ELEMENTARY SCHOOL



295 Church St White Plains, NY 10603

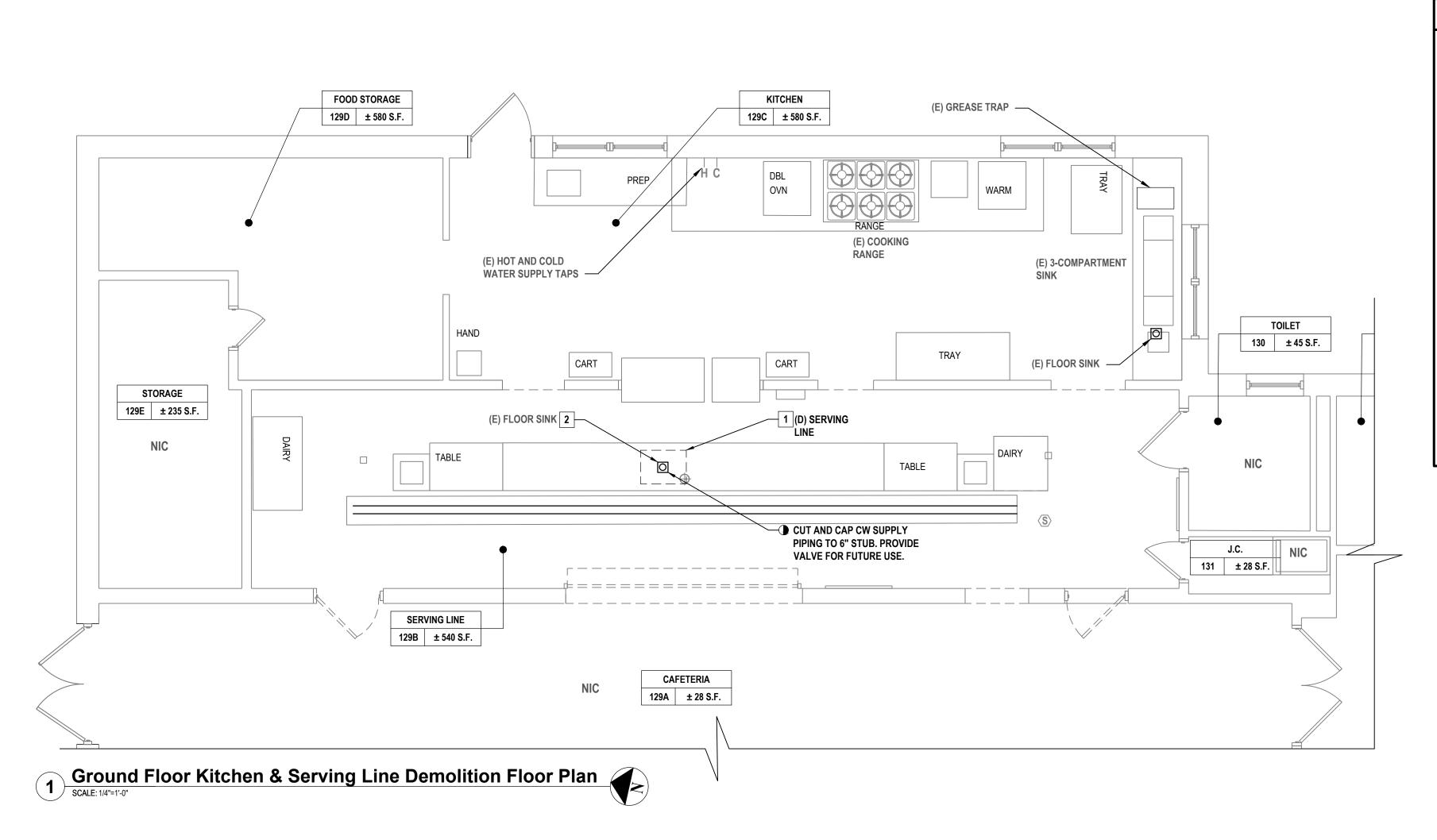
SED PROJECT CONTROL 66-22-00-01-0-004-021

SINGLE CONTRACT

BID SUBMISSION

PLUMBING GENERAL NOTES. LEGENDS, AND ABBREVIATIONS

P 001.00



PLUMBING DEMOLITION NOTES

- ALL DEMOLITION WORK SHALL BE IN COMPLIANCE WITH ALL FEDERAL, STATE, AND CITY OF WHITE PLAINS APPLICABLE BUILDING AND LIFE AND SAFETY REGULATIONS.
- VERIFY IN FIELD EXACT LOCATIONS OF EXISTING HOT WATER AND COLD WATER SUPPLY PIPING, SANITARY, WASTE & VENT PIPING.
- THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL CONSTRUCTION DEBRIS AND UNWANTED MATERIAL OFF SITE IN ACCORDANCE WITH CONTRACT SPECIFICATIONS.
- I. 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.
- CONTRACTORS SITE ACCESS SHALL BE AS CALLED OUT ON THE ARCHITECTURAL SHEETS. THE CONTRACTOR SHALL ADEQUATELY PROTECT THE WALLS, FLOOR, AND FINISHES FROM DAMAGE DURING THE PROJECT DURATION. THE CONTRACTOR SHALL BE RESPONSIBLE TO PATCH AND RESTORE ALL SURFACES THAT ARE DAMAGED TO THE SATISFACTION OF THE ARCHITECT.
- THE CONTRACTOR SHALL TAKE CARE AS TO ADEQUATELY PROTECT ALL ADJOINING ROOMS, CLOSETS, CORRIDORS, CRITICAL BARRIERS (DUCTS, VENTS, ETC.), AND OTHER SPACES FROM DUST AND DEBRIS DURING THE DEMOLITION AND INSTALLATION OF THE FLOORING AND PAINTING. THE CONTRACTOR SHALL BE RESPONSIBLE TO WIPE DOWN AND CLEAN ALL AFFECTED ROOMS UPON COMPLETION OF THE PROJECT.
- ALL EQUIPMENT SHALL BE EXISTING TO REMAIN UNLESS OTHER WISE NOTED AND THUS BE PROTECTED THROUGH THE PROJECT DURATION. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT OF ANY DEFECTIVE OR NON-WORKING EQUIPMENT PRIOR TO WORK STARTING AND FOLLOWING INSTALLATION OF NEW FINISHES, SHALL VERIFY THAT ALL OF THE ITEMS ARE IN PROPER WORKING ORDER UPON COMPLETION.

KEYED PLUMBING DEMOLITION NOTES

- COMPLETELY REMOVE AND DISPOSE OF PLUMBING FIXTURE AND ALL DEVICES USED TO SECURE THIS FIXTURE IN PLACE. WORK SHALL INCLUDE THE REMOVAL OF EXISTING SUPPORT CARRIERS AND TO CUT AND CAP ALL PLUMBING PIPING. PREPARE PIPING FOR RECONNECTION AS NECESSARY. THE CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE ADEQUATE ACCESS INTO WALLS, CHASES, AND SOFFITS TO ENSURE REMOVAL. UPON INSTALLATION OF NEW FIXTURES, CARRIERS, AND PIPING, THE CONTRACTOR SHALL PATCH ALL ACCESS AREAS AND PREPARE SURFACES FOR NEW
 - 1.1 REMOVE AND DISPOSE OF ALL WALL/FLOOR CARRIERS, AND BRANCH PIPING AS NEEDED TO ACCOMMODATE NEW FIXTURE LAYOUTS. SEE ARCHITECTURAL SHEETS FOR NEW FIXTURE LAYOUT.
 - 1.2 PRIOR TO THE REMOVALS OF FIXTURES, THE CONTRACTOR SHALL MAKE ALL NECESSARY DISCONNECTS. WORK SHALL INCLUDE SANITARY, HW, CW, HWR AND VENT PIPING. THE CONTRACTORS SHALL SHUT WATER OFF TO THE FIXTURES AND REPLACE ANY DAMAGED VALVES.
 - 1.3 REMOVE AND DISPOSE OF ALL PIPING DEEMED OBSOLETE, INCLUDING WATER DISTRIBUTION, SANITARY, VENT, HANGERS, SUPPORTS, STRAPS, FITTINGS, VALVES AND ALL DEVICES USED TO SECURE THEIR PIPING/FITTINGS IN PLACE.
 - 1.4 SEAL ALL PIPING PENETRATIONS AND INSTALL FIRE-STOPPING IN ALL RATED WALLS, FLOORS, SOFFITS ETC. OPENING LARGER THAN 1.5x THE DIAMETER OF THE PIPING PASSING THROUGH SHALL BE SEALED WITH NON-SHRINK EPOXY GROUT.
 - 1.5 FLUSH AND SNAKE ALL SANITARY/WASTE LINES INCLUDING FLOOR DRAINS AND CLEANOUTS BACK TO THEIR ASSOCIATED RISERS PRIOR TO THE START OF

KEYED PLUMBING CONSTRUCTION NOTES

PROVIDE INDIRECT 1-1/2" DRAIN FROM DRAIN VALVES ON SERVING LINE HOT FOOD

CONNECT NEW 3/4" HOT WATER PIPING TO NEW UNDERCOUNTER DISHWASHER FROM

TABLE AND SERVING LINE 2-TIER CERAMIC GLASS SHELF TABLE TO EXISTING FLOOR SINK.

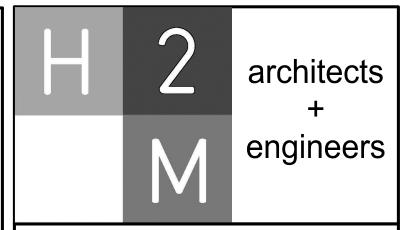
EXISTING 3 COMPARTMENT SINK 3/4" HOT WATER SUPPLY. 1-1/2" DRAIN FROM DISHWASHER

MAINTAIN MINIMUM 3" AIR GAP BETWEEN INDIRECT DRAIN AND FLOOR SINK

TO EXISTING FLOOR SINK WITH 3" AIR GAP. MODIFY PIPING AS REQUIRED.

3. CONNECT NEW 1/2" CW TO NEW POT FILLER FROM EXISTING CW

EXISTING FLOOR SINK BODY TO REMAIN. REPLACE STRAINER AND RAISE/LOWER TO MATCH NEW FINISHED FLOOR HEIGHT.



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		10-28-24	BID SET
. '			•



JONATHAN R. MURATORE, P.E. EXP. DATE "IN ACCORDANCE WITH ARTICLE 145, SECTION 7209 OF THE NYS EDUCATION LAW ALTERATION OF THIS DOCUMENT EXCEPT BY LICENSE PROFESSIONAL IS ILLEGAL

OCTOBER 2024 AS SHOWN WPSD2302

WHITE PLAINS CITY SCHOOL DISTRICT

RENOVATIONS AND UPGRADES GEORGE WASHINGTON ELEMENTARY SCHOOL



100 Orchard Street White Plains NY, 10604

66-22-00-01-0-009-018

SINGLE CONTRACT

BID SUBMISSION

PLUMBING KITCHEN **DEMOLITION AND CONSTRUCTION PLAN**

P 100.00

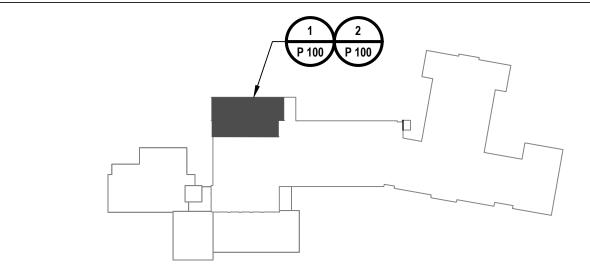
PLUMBING CONSTRUCTION NOTES

- VERIFY IN FIELD EXACT LOCATIONS OF HOT WATER AND COLD WATER SUPPLY PIPING, SANITARY, WASTE & VENT PIPING. REROUTE AND MODIFY EXISTING PLUMBING PIPING AS REQUIRED FOR CONNECTIONS TO NEW AND EXISTING PLUMBING FIXTURES.
- INSULATE ALL NEW WATER PIPING AND RE-INSULATE ALL EXISTING WATER PIPING WHERE INSULATION IS DAMAGED.
- ALL 3" & 4" SANITARY PIPING TO BE SLOPED A MINIMUM OF 1/8"/FT. ALL 1-1/2" & 2" SANITARY PIPING TO BE SLOPED A MINIMUM OF 1/4"/FT.
- CHASE WALL WILL NEED TO BE OPENED TO ALLOW ACCESS TO EXISTING PIPING AND THEN REPAIRED. REFER TO ARCHITECTURAL DRAWINGS FOR MORE DETAIL.

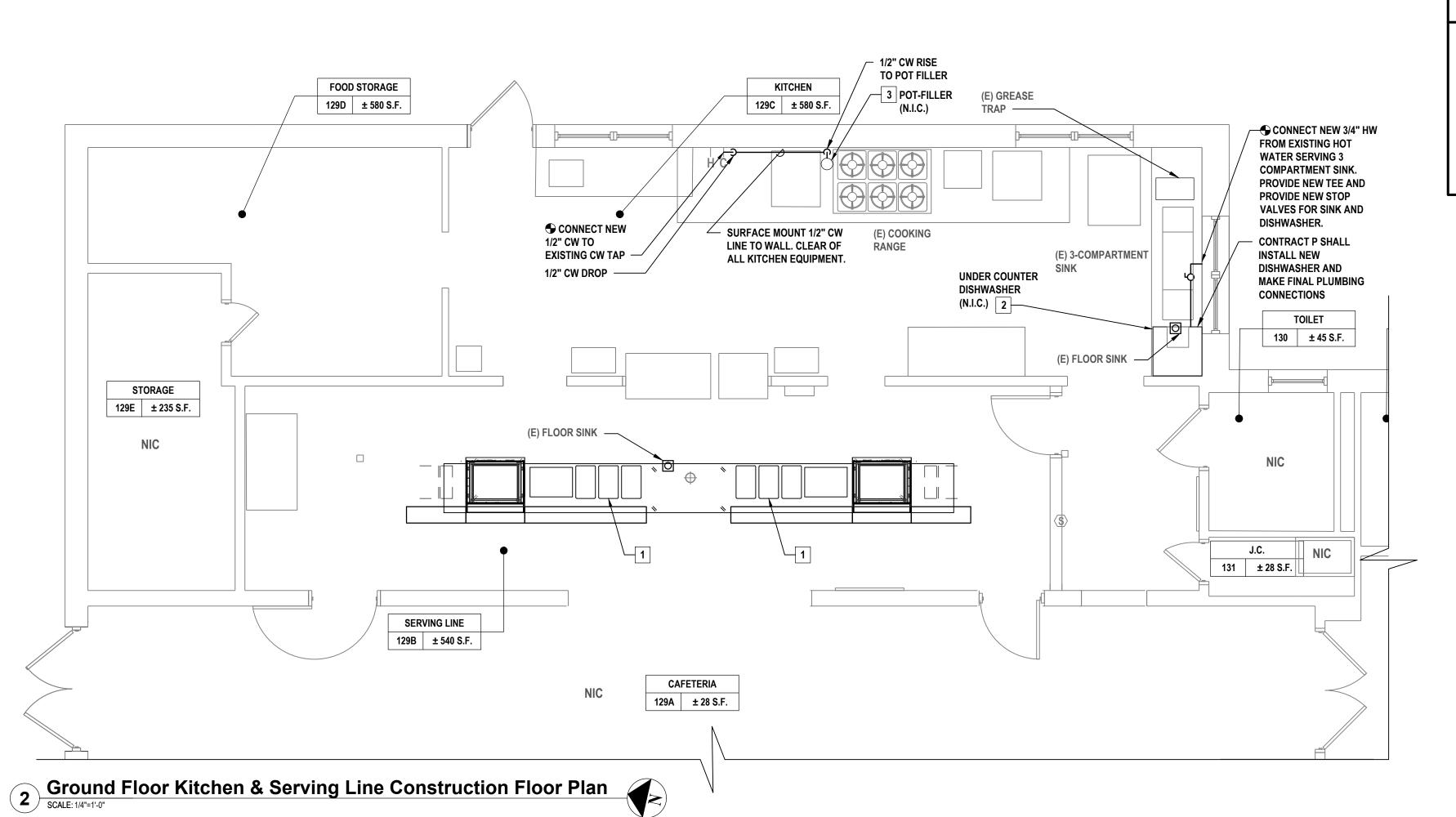
(E) PIPE PENETRATION WITH ESCUTCHEON PLATE CONNECT NEW 1/2" TO EXISTING CW TAP - EXISTING CAPPED **COLD WATER LINE** - BALL VALVE **ALONG INTERIOR** SIDE OF WALL **EXISTING KITCHEN** - PIPE CONCEALED BEHIND

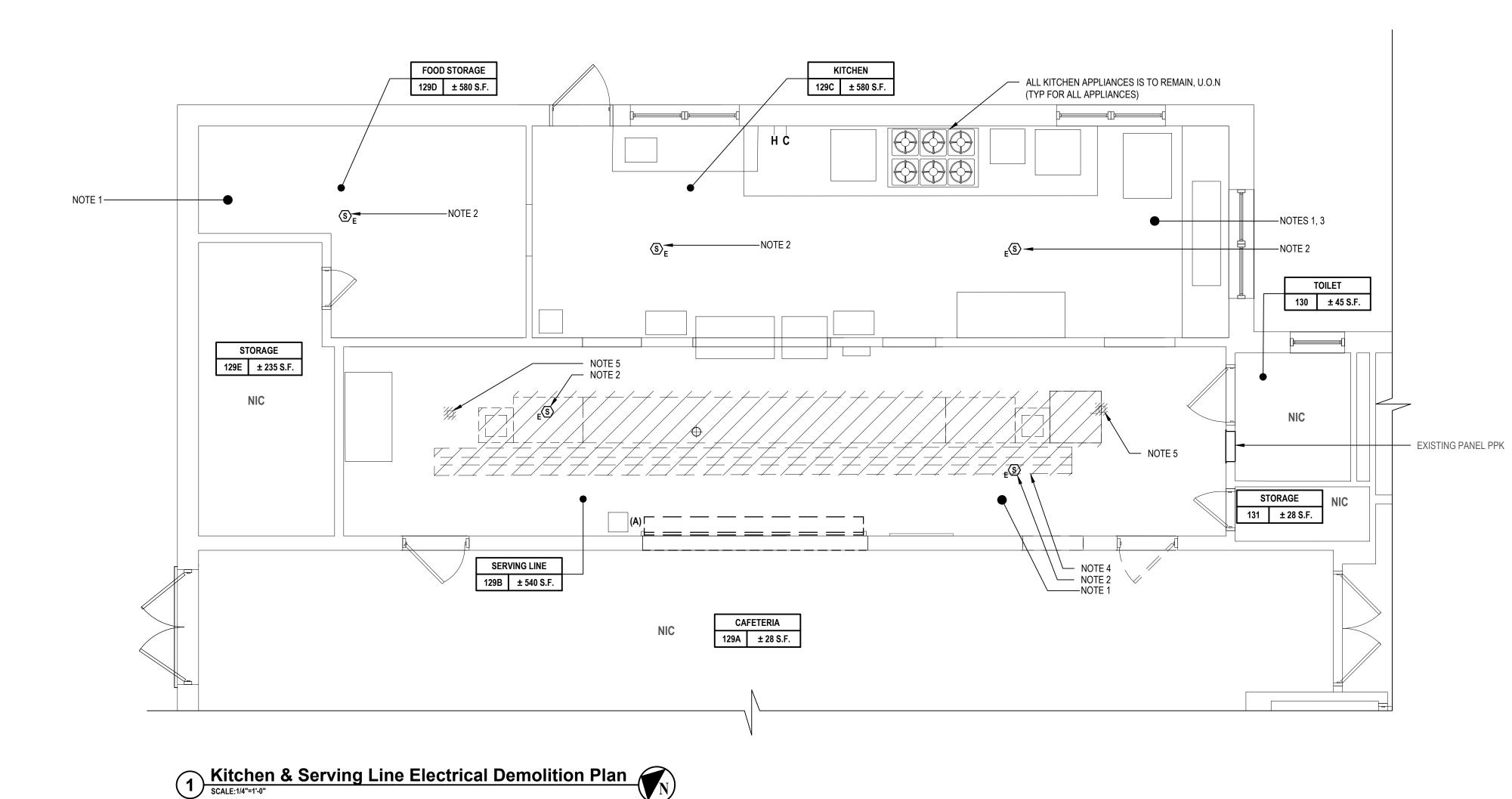
Pot Filler Plumbing Routing DetailSCALE: NTS





KITCHEN EQUIPMENT





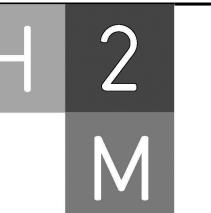
DEMOLITION GENERAL NOTES:

- G1. REMOVE AND DISPOSE OF INCLUDES REMOVAL OF ITEM IDENTIFIED INCLUDING ALL CONDUITS, WIRES, AND CABLES, BACK TO SOURCE UNLESS OTHERWISE NOTED.
- G2. CONTRACTOR SHALL BE REQUIRED TO MAINTAIN CIRCUIT CONTINUITY FOR ALL EXISTING DEVICES ON A CIRCUIT WHEN THE DRAWINGS CALL FOR REMOVAL AND/OR DISPOSAL OF A DEVICE ON THAT CIRCUIT.
- G3. ALL CONDUITS SPECIFIED TO BE REMOVED SHALL BE CUT FLUSH WITH THE SURFACE AND SURFACE SHALL BE PATCHED UNLESS OTHERWISE NOTED. SURFACE SHALL BE PRIMED AND PAINTED TO MATCH EXISTING.

DEMOLITION KEY NOTES:

- 1. REMOVE AND DISPOSE OF ALL CEILING MOUNTED LIGHT FIXTURES AND LIGHTING CONTROLS. EXISTING CIRCUIT(S) TO REMAIN FOR RE-USE.
- 2. REMOVE AND REINSTALL ALL CEILING MOUNTED FIRE ALARM DEVICES TO ALLOW FOR NEW CONSTRUCTION. ANY FIRE ALARM AND FIRE SAFETY EQUIPMENT AND ITS ASSOCIATED CONDUIT AND WIRING SHALL NOT BE HARMED DURING DEMOLITION AND CONSTRUCTION AND SHALL BE PROTECTED FROM ANY PHYSICAL DAMAGE. ALL FIRE ALARM EQUIPMENT AND WIRING SHALL BE LEFT IN PLACE, PROPERLY SUPPORTED, AND REMAIN OPERATIONAL INCLUDING PULL STATIONS, SPEAKERS, HORNS, STROBES, SMOKE DETECTORS, ETC.
- 3. REMOVE AND DISPOSE OF ALL CEILING MOUNTED RECEPTACLES AND CORD REELS, ALL ASSOCIATED CONDUITS AND WIRES BACK TO SOURCE.
- 4. REMOVE AND DISPOSE OF EXISTING SERVING LINE EQUIPMENT, AND ALL ASSOCIATED RECEPTACLES, DISCONNECTS, CONDUITS AND WIRES BACK TO SOURCE
- 5. CONTRACTOR SHALL REMOVE AND DISPOSE EXISTING POWER POLE, AND ALL ASSOCIATED RECEPTACLES, DATA OUTLETS, CONDUITS, AND WIRES BACK TO SOURCE





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BID SET

10-28-24



ANTHONY WOONGJIN KIM, P.E. DATE

NY PROFESSIONAL ENGINEER Lic. No. 092583

DESIGNED BY:	DRAWN	I BY:	CHECKED BY:		REVIEWED BY:
PSP/SMP	F	PSP/SMP	AWK		° AWK
PROJECT No.: WPSD2302	2	DATE: OCTOB	ER 2024	SCALE:	AS SHOWN

WHITE PLAINS CITY SCHOOL DISTRICT

RENOVATIONS AND UPGRADES
GEORGE WASHINGTON
ELEMENTARY SCHOOL



100 Orchard Street White Plains NY, 10604

66-22-00-01-0-009-018

SINGLE CONTRACT

BID SUBMISSION

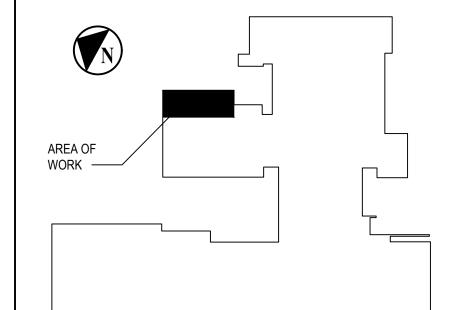
SHEET TITLE

KITCHEN AND SERVING LINE ELECTRICAL DEMOLITION PLAN

AWING No.

ED140.00

KEY PLAN



	ELECTRICAL LE		Ì	$\overline{}$
SYMBOL	DESCRIPTION	COMMENTS	ABBREVIATION	
S ₃	THREE - WAY SWITCH	46" AFF TO CL UON	AFF	Ľ
S ₄	FOUR - WAY SWITCH	46" AFF TO CL UON	AFC	<u> </u>
S ₄	ILLUMINATED SWITCH	46" AFF TO CL UON	AFCI	<u> </u>
S ^A	SINGLE POLE SWITCH; "A" INDICATES SWITCH CONTROL	46" AFF TO CL UON	AFG	<i>'</i>
S _D	SINGLE POLE DIMMER SWITCH	46" AFF TO CL UON	AHJ	Ľ
S _{3D}	THREE - WAY DIMMER SWITCH	46" AFF TO CL UON	AMP, A	Ľ
S _K	SINGLE POLE KEYED SWITCH KEYED THREE - WAY SWITCH	46" AFF TO CL UON 46" AFF TO CL UON	ATS	;
S_{K4}	KEYED FOUR - WAY SWITCH	46" AFF TO CL UON	AWG	<i>\</i>
S _P	SWITCH AND PILOT LIGHT	40 ATT 10 0E 00N	BFC	E
·	SWITCH WITH THERMAL OVERLOAD PROTECTION (CONTRACTOR SHALL COORDINATE VOLTAGE AND PHASE WITH		CL	L
S _T	EQUIPMENT)		СТ	_(
S _{os/vs}	OCCUPANCY/VACANCY SENSOR WITH MANUAL OVERRIDE, WALL MOUNT		EC	E
TC	TIME CLOCK		GFCI	\perp^{c}
	EMERGENCY SHUT OFF SWITCH; 'E' INDICATES ELECTRICAL; 'G' INDICATES GAS		GFI	(
	2 #12 AWG + #12 AWG GND IN 3/4" E.C. CONCEALED IN WALL OR CEILING		GND CONED	
	3 #12 AWG + #12 AWG GND IN 3/4" E.C. CONCEALED IN OR BELOW SLAB		MCB	H
LP1-35	DEDICATED HOME RUN TO PANEL LP1 FOR CIRCUIT NO. 35 ONLY. 2 #12 AWG + #12 AWG GND IN 3/4" E.C. CONCEALED IN WALL OR CEILING		MLO	N
	SIMPLEX RECEPTACLE: 120V, 20A. COORDINATE MOUNTING HEIGHT WITH MECHANICAL CONTRACTOR TO CLEAR BASEBOARDS.	FLUSH	NTS	1
—————————————————————————————————————	DUPLEX RECEPTACLE: 120V, 20A. COORDINATE MOUNTING HEIGHT WITH MECHANICAL CONTRACTOR TO CLEAR	FLUSH	TYP	<u> </u>
	BASEBOARDS. QUAD RECEPTACLE, DOUBLE DUPLEX RECEPTACLE: 120V, 20A. COORDINATE MOUNTING HEIGHT WITH MECHANICAL		UON	H
	CONTRACTOR TO CLEAR BASEBOARDS.	FLUSH	V	\
⊕ .	DUPLEX RECEPTACLE: 120V, 20A; SUBSCRIPT "C" INDICATES CEILING MOUNT.	FLUSH	VAC	_\
	DUPLEX RECEPTACLE: 120V, 20A; FLOOR MOUNTED.	FLUSH	VDC	<u> </u>
	QUAD RECEPTACLE: 120V, 20A; FLOOR MOUNTED.		X-FMR WP	۱,
⊕ ▼ _{D/T}	DUPLEX RECEPTACLE AND DATA JACK: 120V, 20A; FLOOR MOUNTED.			
▼ _{D/T}	DATA JACK; FLOOR MOUNTED.			
⊖ IG	ISOLATED GROUND DUPLEX RECEPTACLE. COORDINATE MOUNTING HEIGHT WITH MECHANICAL CONTRACTOR TO CLEAR BASEBOARDS.	FLUSH		
GFI	DUPLEX RECEPTACLE: 120V, 20A; WITH GROUND FAULT INDICATOR. COORDINATE MOUNTING HEIGHT WITH MECHANICAL CONTRACTOR TO CLEAR BASEBOARDS.	FLUSH		
⊕ uc	DUPLEX RECEPTACLE: 120V, 20A; SUBSCRIPT "UC" INDICATES UNDER COUNTER	AS PER ENGINEER		
⊕ ^{CT}	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		
USB	DUPLEX RECEPTACLE: 120V, 20A; SUBSCRIPT "USB" INDICATES INTEGRAL USB.	FLUSH		
♥ ⁴⁰ 240	SPECIAL PURPOSE OUTLET: 240V, 40A. VERIFY NEMA CONFIGURATION WITH EQUIPMENT MANUFACTURER.	AS PER ENGINEER		
TL	TWISTED LOCK RECEPTACLE: 125V, 20A, 3 WIRE; UNLESS OTHERWISE NOTED.	AS PER ENGINEER		
	SURFACE RACEWAY WITH 2 GROUNDED AND ISOLATED TYPE DUPLEX RECEPTACLES AND 1 DATA OUTLET PER POSITION,			
N.	18" AFF UNLESS OTHERWISE NOTED.			
⊠' _{\$1}	MAGNETIC STARTER "S1"; SEE STARTER SCHEDULE			
□ _{DS1}	DISCONNECTION SWITCH "DS1"; SEE DISCONNECT SWITCH SCHEDULE.			
<u> </u>	JUNCTION BOX.			
① _{4X}	NEMA 4X STAINLESS STEEL JUNCTION BOX WITH GASKET COVER. JUNCTION BOX RECESSED IN WALL WITH BLANK COVER. PROVIDE 3/4" E.C. AND DRAG LINE TO ABOVE FINISHED CEILING.		-	
O _s	MOUNT 18" AFF, UNLESS OTHERWISE NOTED.			
O _M	FOR MONITOR, JUNCTION BOX RECESSED IN WALL WITH BLANK COVER. PROVIDE 3/4" E.C. AND DRAG LINE TO ABOVE FINISHED CEILING.			
O _{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.			
P1	ELECTRICAL PANEL "P1", SURFACE MOUNT; SEE PANEL SCHEDULE.			
<u>C</u>	CONDUIT GOING UP.			
<u>O</u>	CONDUIT GOING DOWN.			
D	DATA. PROVIDE 3/4" E.C. WITH CAT-6 CABLES TO ONT IN ROOM (129D) BOX RECESSED IN WALL WITH RJ-45 COVER.			
▲ D/T	COMBINED DATA AND TV. PROVIDE 3/4" E.C. WITH TWO (2) CAT-6 CABLES TO ONT IN ROOM (129D) RECESSED IN WALL WITH			

DESCRIPTION

AUTOMATIC TRANSFER SWITCH; SEE TRANSFER SWITCH

ABOVE FINISHED FLOOR

ABOVE FINISHED CEILING

ABOVE FINISHED GRADE

AMERICAN WIRE GAUGE

BELOW FINISHED CEILING

AMPERE

SCHEDULE

CENTERLINE

COUNTER TOP

GROUND

ELECTRICAL CONDUIT

GROUND FAULT INDICATOR

MAIN CIRCUIT BREAKER

UNLESS OTHERWISE NOTED

VOLTS ALTERNATING CURRENT

VOLTS DIRECT CURRENT

MAIN LUGS ONLY

UNDER COUNTER

TRANSFORMER

WEATHERPROOF

NOT TO SCALE

TYPICAL

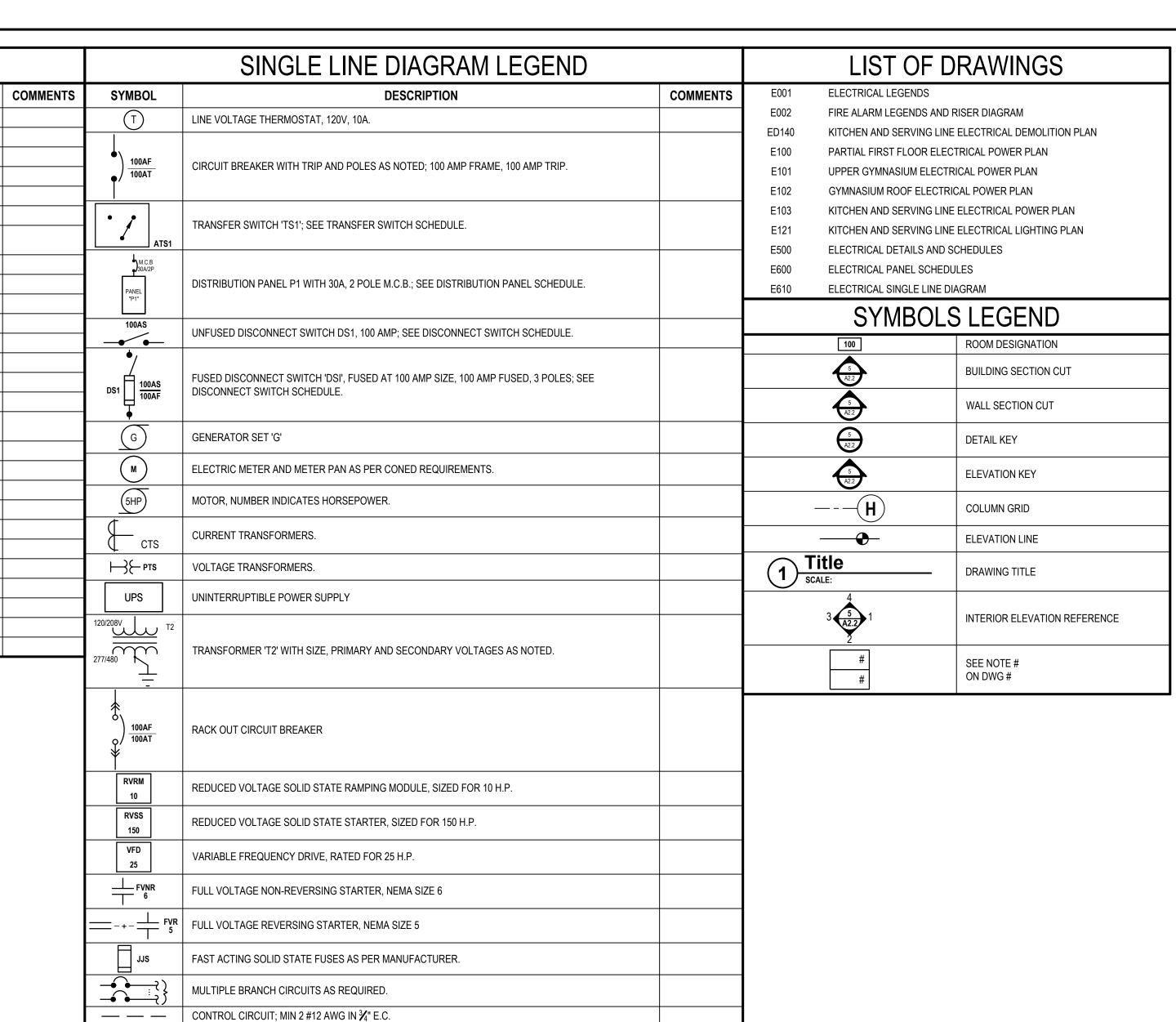
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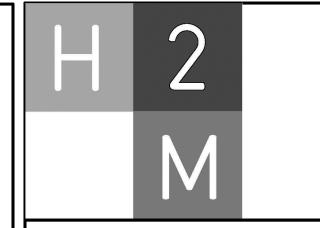
GROUND FAULT CIRCUIT INTERRUPTER

CONSOLIDATED EDISON (LOCAL UTILITY COMPANY)

ARC FAULT CIRCUIT INTERRUPTER

AUTHORITY HAVING JURISDICTION





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ANTHONY WOONGJIN KIM, P.E.

AWK AWK PSP/SMP OCTOBER 2024 AS SHOWN

WHITE PLAINS CITY **SCHOOL DISTRICT**

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66-22-00-01-0-009-018

SINGLE CONTRACT

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ELECTRICAL LEGENDS

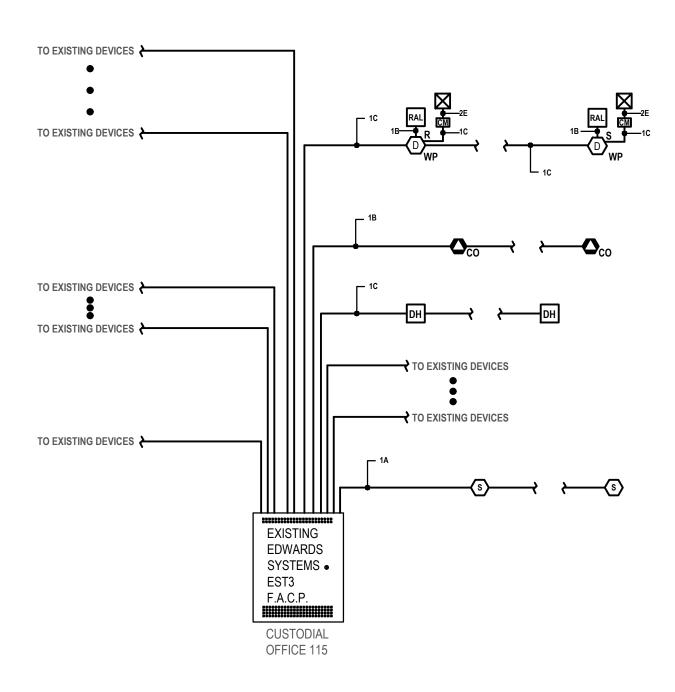
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SYMBOL	DESCRIPTION	COMMENTS
FACP	FIRE ALARM CONTROL PANEL.	
RA	REMOTE ANNUNCIATOR WITH BACKBOX.	
(S)	SMOKE DETECTOR.	
RAL S	ABOVE CEILING SMOKE DETECTOR WITH REMOTE ALARM LAMP.	
R/S D R1	DUCT DETECTOR WITH REMOTE ALARM LAMP; "S" DENOTES SUPPLY, "R" DENOTES RETURN. WP DENOTES WEATHERPROOF ENCLOSURE.	
<u> </u>	HEAT DETECTOR.	
Ū _F	HEAT DETECTOR 200°.	
∆ co	CARBON MONOXIDE DETECTOR	
<u> </u>	HORN/STROBE COMBO.	
	SPEAKER/STROBE COMBINATION	
—————————————————————————————————————	WEATHER PROOF HORN/STORBE COMBO WITH BACKBOX.	
AM	ADAPTER MODULE WITH MOUNTING PLATE.	
SH	SMOKE HATCH (F.B.O.).	
茶	STROBE.	
DH	MAGNETIC DOOR HOLDER.	
F	MANUAL PULL STATION WITH BACKBOX.	
R	RELAY.	
IAM	INDIVIDUAL ADDRESSABLE MODULE.	
AES	AUTOMATIC EXTINGUISHING SYSTEM.	
\boxtimes	MOTOR STARTER.	
'n	END OF LINE RESISTOR.	
ВТ	BEAM DETECTOR TRANSMITTER.	
BR	BEAM DETECTOR RECEIVER.	
SP	SURGE PROTECTOR.	
8	BELL/STROBE.	
ER(S)	SMOKE DETECTOR FOR ELEVATOR RECALL.	
SRP	SUPPRESSION RELEASING PANEL.	
MS	MAINTENANCE SWITCH.	
SOL	SOLENOID (F.B.O.).	
PS	PRESSURE SWITCH.	
TS	TAMPER SWITCH	
FS	FLOW SWITCH	
cs	COIL SUPERVISORY (F.B.O.).	
CL	AIR COMPRESSOR, LOW PRESSURE (F.B.O.).	
СН	AIR COMPRESSOR, HIGH PRESSURE (F.B.O.).	
CM	ADDRESSABLE CONTROL MODULE	
MO B STAGE 2	STAGE 2 BELL.	

FIRE ALARM 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 LATEST 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 POWERING EQUIPMENT.
- 5. FOR COMPONENT WIRING AND INSTALLATION INFORMATION REFER TO MANUFACTURERS REQUIREMENTS.
- 6. REFER TO CONTRACT DRAWINGS FOR APPROXIMATE DEVICE LOCATIONS. DRAWINGS REPRESENT DEVICE QUANTITIES. SHOP DRAWINGS SHALL BE SUBMITTED SHOWING SCALED LOCATIONS. CONTRACTOR TO SUBMIT PLANS STAMPED BY LICENSED NEW YORK PROFESSIONAL ENGINEER ONLY. SHOP DRAWINGS WITHOUT P.E STAMP WILL BE AUTOMATICALLY REJECTED.
- 7. INSTALL DETECTORS A MINIMUM OF 3'-0" FROM ANY SUPPLY OR RETURN AIR REGISTERS. COORDINATE EXACT LOCATIONS OF SUPPLY/RETURNS REGISTERS WITH MECHANICAL CONTRACTOR
- 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 GROUND.
- 9. AFTER ALARM INDICATION, ALL FANS SHALL BE MANUALLY RESET INDEPENDENT FROM F.A.C.P. SYSTEM RESET. PROVIDE ALL REQUIRED HARDWARE ACCESSORIES, MOTOR STARTERS, CONTROLS, POWER AND CONTROL WIRING AND CONDUITS TO PROVIDE INDEPENDENT RESET OF ALL FANS AFTER
- 10. INSTALL ALL DEVICES IN ACCORDANCE WITH A.D.A REQUIREMENTS. ALL DEVICES SHALL BE MOUNTED AS FOLLOWS:
- A. MANUAL PULL STATIONS 48" O.C.
- B. ALARM INDICATING APPLIANCE 80" A.F.F. C. VERIFY WITH CONTRACT SPECIFICATIONS FOR ANY DEVIATIONS.
- 11. STROBES SHALL BE WIRED TO REMAIN ACTIVE AFTER SILENCE FUNCTION IS PERFORMED.
- 12. PROVIDE AND INSTALL ALL NECESSARY CONTROL MODULES, SYNCHRONIZATION MODULES AND MONITOR MODULES AS REQUIRED BY MANUFACTURER.
- 13. COORDINATE EXACT LOCATION OF EXISTING REMOTE ANNUNCIATOR AND F.A.C.P. WITH LOCAL FIRE
- 14. PROVIDE ALL REQUIRED DUCT SMOKE DETECTORS. CONTRACTOR TO INSTALL DUCT SMOKE DETECTORS. CONTRACTOR TO INTERFACE ALL DUCT DETECTORS WITH FACP.

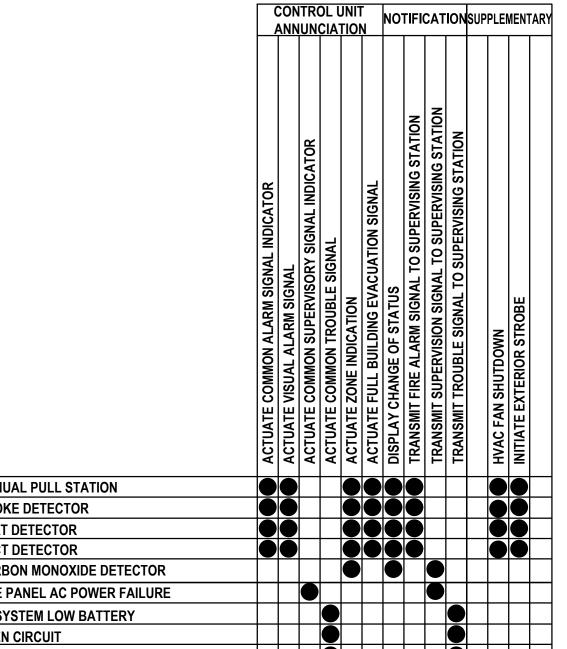
- 15. FIRE ALARM RISER DIAGRAM IS SCHEMATIC. REFER TO FLOOR PLANS FOR DEVICE TYPES AND
- 16. ALL HVAC EQUIPMENT WITH A CFM RATING OF 1000 CFM OR GREATER SHALL BE INTERCONNECTED TO THE FIRE ALARM SYSTEM AND SHUT DOWN UPON FIRE ALARM SYSTEM ALARM ACTIVATION. CONTRACTOR SHALL ALSO PROVIDE AND INSTALL NEW SUPPLY AND RETURN DUCT SMOKE DETECTORS WITH REMOTE LED'S FOR ALL HVAC UNITS WITH A CFM RATING OF 2000 CFM OR GREATER.
- 17. IN ADDITION TO DEVICES SHOWN ON THE DRAWINGS CONTRACTOR TO PROVIDE ONE SMOKE DUCT DETECTOR, ONE DOOR HOLDER, AND ONE SMOKE DETECTOR. EACH DEVICE SHALL BE INCLUDED WITH 100' OF WIRING AND/OR CONDUIT.
- 18. 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
- 19. ALL EQUIPMENT TO BE RECESSED MOUNTED AND ALL WIRING AND CONDUIT TO BE RUN CONCEALED



Fire Alarm Riser Diagram (Note 15) SCALE:NTS

	WIRE DESCRIPTION	TYPE	NOTES
A	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	*
E	#14 AWG. NON SHIELDED	THHN	-
F	1 PAIR TWISTED SHIELDED #16 AWG.	FPLP	-

* PROVIDE ALL 120 VOLT CIRCUITS IN CONDUIT



	—	HINI	VIOIN	<u> ÇIA</u>	<u> </u>	<u> </u>			_	_	_		
	ACTUATE COMMON ALARM SIGNAL INDICATOR	ACTUATE VISUAL ALARM SIGNAL	ACTUATE COMMON SUPERVISORY SIGNAL INDICATOR	ACTUATE COMMON TROUBLE SIGNAL	ACTUATE ZONE INDICATION	ACTUATE FULL BUILDING EVACUATION SIGNAL	DISPLAY CHANGE OF STATUS	TRANSMIT FIRE ALARM SIGNAL TO SUPERVISING STATION	TRANSMIT SUPERVISION SIGNAL TO SUPERVISING STATION	TRANSMIT TROUBLE SIGNAL TO SUPERVISING STATION	HVAC FAN SHUTDOWN	INITIATE EXTERIOR STROBE	
MANUAL PULL STATION	•	•			•								
SMOKE DETECTOR											Ó		
HEAT DETECTOR		9											
DUCT DETECTOR													
CARBON MONOXIDE DETECTOR													
FIRE PANEL AC POWER FAILURE													
FA SYSTEM LOW BATTERY													
OPEN CIRCUIT													
GROUND FAULT													
NOTIFICATION APPLIANCE CIRCUIT SHORT													

1 Typical Fire Alarm Device Location SCALE:NTS

TYPICAL DEVICE LOCATIONS

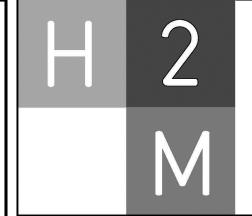
AUDIBLE /STROBE -

PULL STATIONS -

SMOKE DETECTOR —

Fire Alarm Sequence of Operation

SCALE:NOT TO SCALE



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	10-28-24	BID SET



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PSP/SMP	PSP/SMP		AWK		REVIEWED BY: AWK
PROJECT No.: DWPSD2302		OCTOB	ER 2024	SCALE	S SHOWN

WHITE PLAINS CITY SCHOOL DISTRICT

RENOVATIONS AND UPGRADES GEORGE WASHINGTON **ELEMENTARY SCHOOL**



100 Orchard Street White Plains NY, 10604

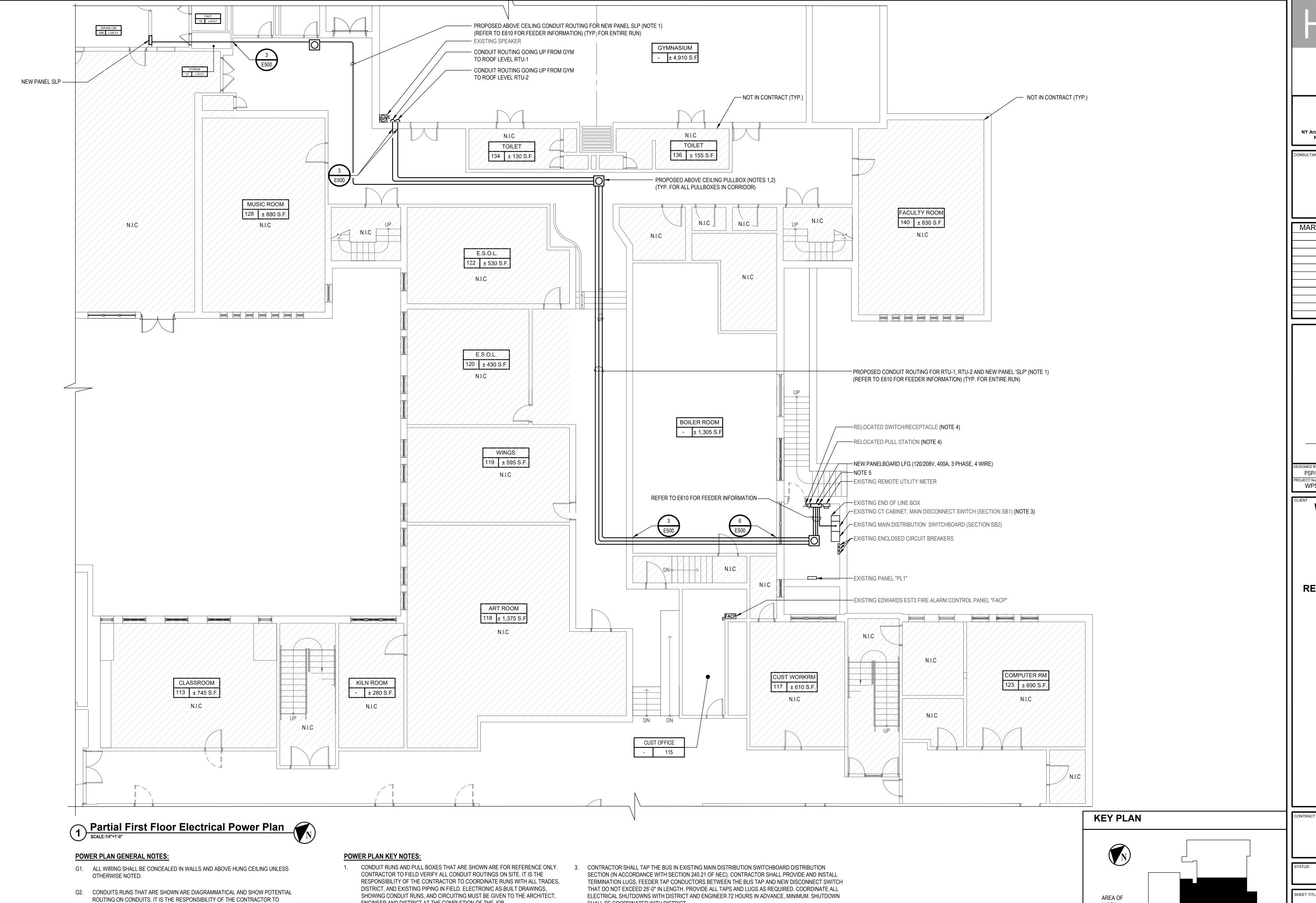
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FIRE ALARM LEGENDS **AND RISER DIAGRAM**

E002.00



SHALL BE COORDINATED WITH DISTRICT.

REQUIRED TO RECONNECT EXISTING EQUIPMENT.

PROVIDE ALL BOXES AND ACCESSORIES AS REQUIRED.

CONTRACTOR SHALL RELOCATE EXISTING SWITCH/RECEPTACLE, AND FIRE ALARM PULL STATION TO

ACCOMMODATE NEW ELECTRICAL PANEL LFG. EXTEND AND REROUTE ALL CONDUIT AND WIRES AS

5. CONTRACTOR SHALL REROUTE EXISTING 1" E.C. TO ALLOW FOR INSTALLATION OF NEW PANEL "LFG".

ENGINEER AND DISTRICT AT THE COMPLETION OF THE JOB.

ADDITIONAL PULL BOXES AS REQUIRED BY NEC.

NEW PULLBOX. POWER PLAN SHOWS MINIMUM REQUIRED PULL BOXES. PROVIDE

COORDINATE RUNS WITH ALL TRADES AND DISTRICT.

G3. FOR CONDUIT RUNS TRAVELING FROM ELECTRICAL ROOMS TO NEW RTUS AND NEW

PANEL SLP, CONTRACTOR SHALL MAKE SURE ALL LIGHTING, LIGHTING CONTROLS,

FIRE ALARM, SECURITY DEVICES, SPEAKERS, AND ITS ASSOCIATED CONDUIT AND

WIRING SHALL NOT BE HARMED DURING DEMOLITION, CONSTRUCTION, AND SHALL

BE PROTECTED FROM ANY PHYSICAL DAMAGE. ALL EQUIPMENT SHALL BE LEFT IN PLACE, PROPERLY SUPPORTED, AND REMAIN OPERATIONAL INCLUDING LIGHTING,

LIGHTING CONTROLS, SPEAKERS, HORNS, STROBES, WARDEN STATIONS, SMOKE DETECTORS, ETC. LIGHTING AND FIRE ALARM SYSTEM SHALL REMAIN OPERATIONAL.

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10-28-24



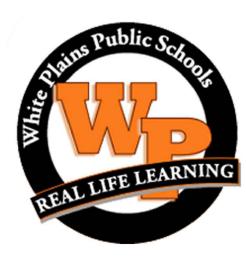
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ANTHONY WOONGJIN KIM, P.E.

PSP/SMP OCTOBER 2024 AS SHOWN

WHITE PLAINS CITY **SCHOOL DISTRICT**

RENOVATIONS AND UPGRADES **GEORGE WASHINGTON ELEMENTARY SCHOOL**



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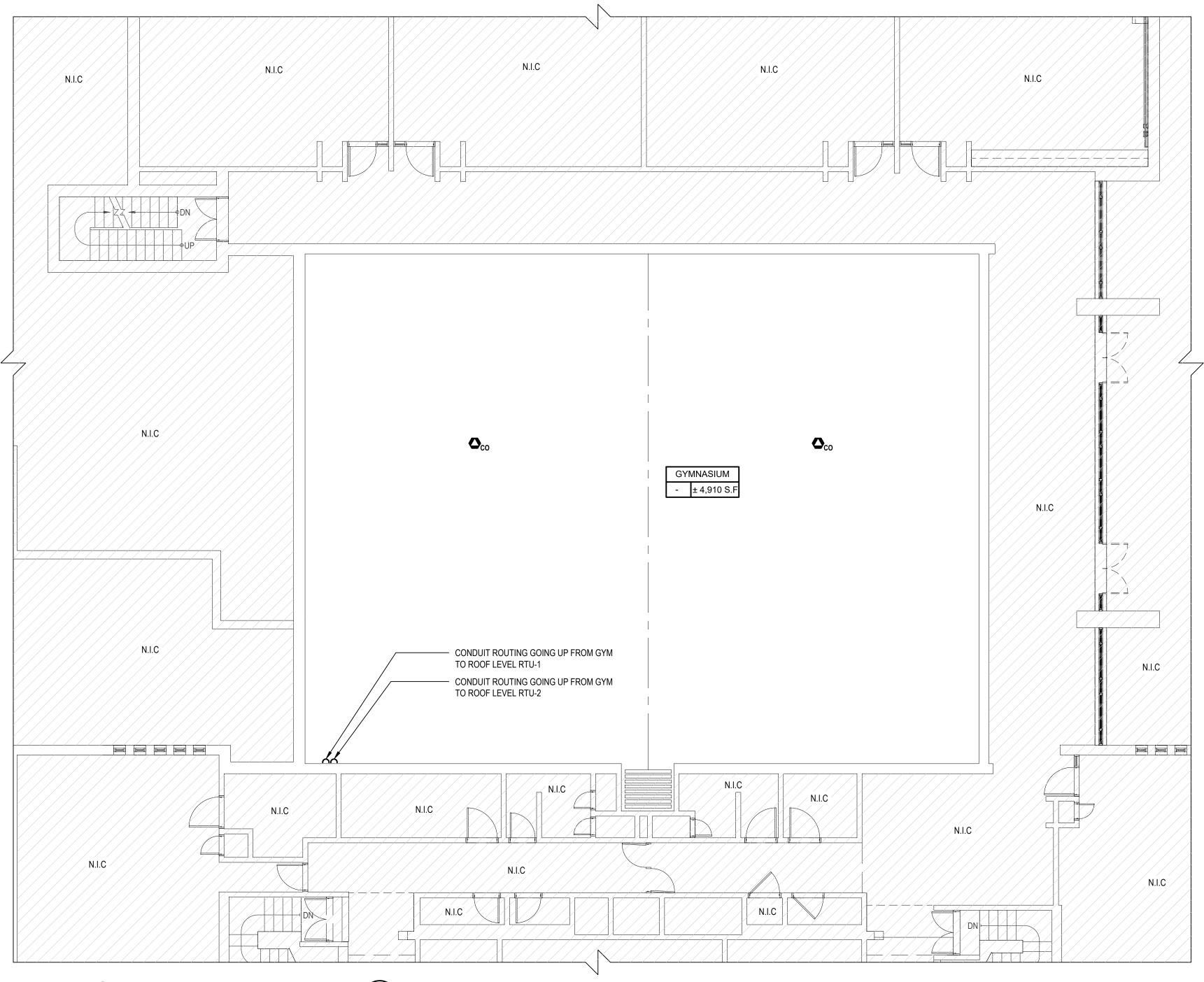
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SINGLE CONTRACT

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PARTIAL FIRST FLOOR **ELECTRICAL POWER PLAN**

E100.00



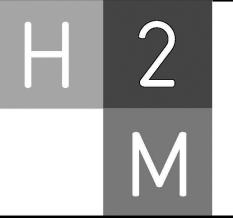
Upper Gymnasium Electrical Power Plan SCALE:1/8"=1'-0" N

POWER PLAN GENERAL NOTES:

- G1 CONDUITS RUNS THAT ARE SHOWN ARE DIAGRAMMATICAL AND SHOW POTENTIAL 1.
 ROUTING ON CONDUITS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE RUNS WITH ALL TRADES AND DISTRICT.
- G2. FOR CONDUIT RUNS TRAVELING FROM ELECTRICAL ROOMS TO NEW RTUS AND NEW PANEL SLP, CONTRACTOR SHALL MAKE SURE ALL LIGHTING, LIGHTING CONTROLS, FIRE ALARM, SECURITY DEVICES, SPEAKERS, AND ITS ASSOCIATED CONDUIT AND WIRING SHALL NOT BE HARMED DURING DEMOLITION, CONSTRUCTION, AND SHALL BE PROTECTED FROM ANY PHYSICAL DAMAGE. ALL EQUIPMENT SHALL BE LEFT IN PLACE, PROPERLY SUPPORTED, AND REMAIN OPERATIONAL INCLUDING LIGHTING, LIGHTING CONTROLS, SPEAKERS, HORNS, STROBES, WARDEN STATIONS, SMOKE DETECTORS, ETC. LIGHTING AND FIRE ALARM SYSTEM SHALL REMAIN OPERATIONAL.

POWER PLAN KEY NOTES:

1. CONDUIT RUNS AND PULL BOXES THAT ARE SHOWN ARE FOR REFERENCE ONLY. CONTRACTOR TO FIELD VERIFY ALL CONDUIT ROUTINGS ON SITE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE RUNS WITH ALL TRADES, DISTRICT, AND EXISTING PIPING IN FIELD. ELECTRONIC AS-BUILT DRAWINGS, SHOWING CONDUIT RUNS, AND CIRCUITING MUST BE GIVEN TO THE ARCHITECT, ENGINEER AND DISTRICT AT THE COMPLETION OF THE JOB.



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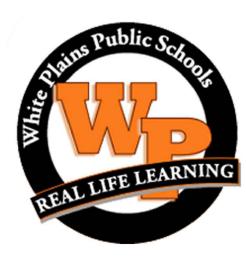
ANTHONY WOONGJIN KIM, P.E. DATE

NY PROFESSIONAL ENGINEER Lic. No. 092583

PROJECT No.: WPSD2302 DATE: O	: CTOBER 2024	SCALE: AS SHO	NWC

WHITE PLAINS CITY SCHOOL DISTRICT

RENOVATIONS AND UPGRADES
GEORGE WASHINGTON
ELEMENTARY SCHOOL



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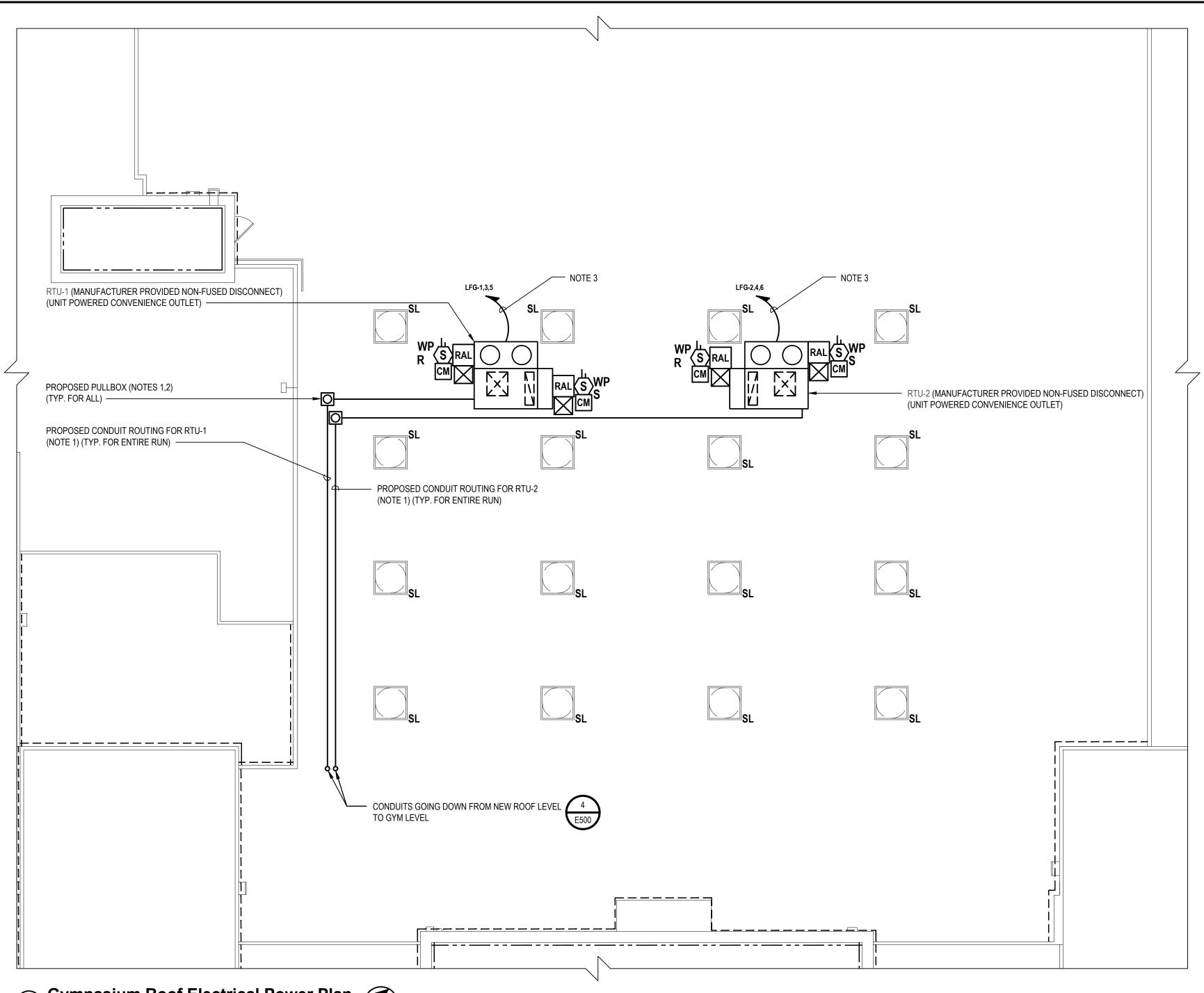
ET TITLE

UPPER GYMNASIUM ELECTRICAL POWER PLAN

RAWING No.

E101.00

AREA OF WORK



Gymnasium Roof Electrical Power Plan

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

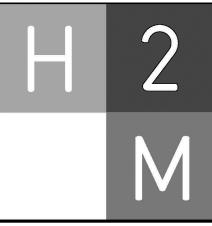
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POWER PLAN GENERAL NOTES:

ROUTING ON CONDUITS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE RUNS WITH ALL TRADES AND DISTRICT.

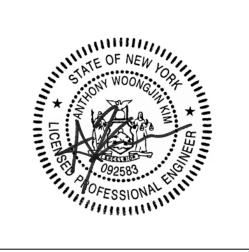
POWER PLAN KEY NOTES:

- G1. CONDUITS RUNS THAT ARE SHOWN ARE DIAGRAMMATICAL AND SHOW POTENTIAL 1. CONDUIT RUNS AND PULL BOXES THAT ARE SHOWN ARE FOR REFERENCE ONLY. CONTRACTOR TO FIELD VERIFY ALL CONDUIT ROUTINGS ON SITE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE RUNS WITH ALL TRADES, DISTRICT, AND EXISTING PIPING IN FIELD. ELECTRONIC AS-BUILT DRAWINGS, SHOWING CONDUIT RUNS, AND CIRCUITING MUST BE GIVEN TO THE ARCHITECT, ENGINEER AND DISTRICT AT THE COMPLETION OF THE JOB. REFER TO SHEET E610 FOR FEEDER INFORMATION.
 - 2. NEW PULLBOX. POWER PLAN SHOWS MINIMUM REQUIRED PULL BOXES. PROVIDE ADDITIONAL PULL BOXES AS REQUIRED BY NEC.
 - 3. REFER TO DRAWING E610 FOR FEEDER INFORMATION.



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ANTHONY WOONGJIN KIM, P.E. PATE

DESIGNED BY:	DRAWN BY:	CHECKED BY:	REVIEWED BY:
PSP/SMP	PSP/SMP	AWK	° AWK
PROJECT No.: WPSD2302	DATE: OCTOI	BER 2024	SCALE: AS SHOWN

WHITE PLAINS CITY **SCHOOL DISTRICT**

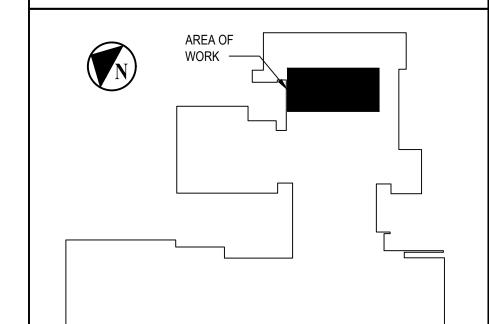
RENOVATIONS AND UPGRADES **GEORGE WASHINGTON ELEMENTARY SCHOOL**



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KEY PLAN

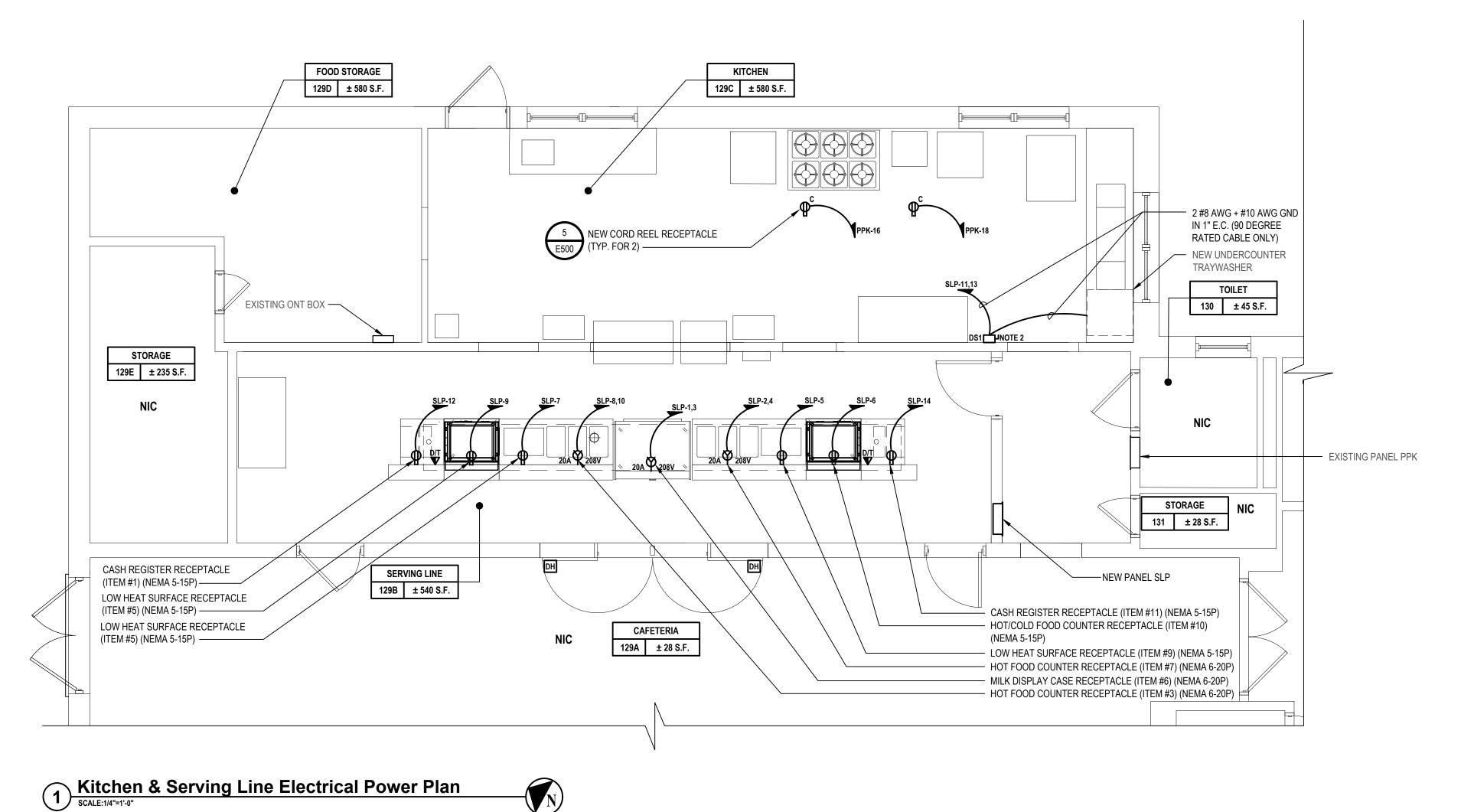


SINGLE CONTRACT

BID SUBMISSION

GYMNASIUM ROOF ELECTRICAL POWER PLAN

E102.00



POWER PLAN GENERAL NOTES:

G1. ALL WIRING SHALL BE CONCEALED IN WALLS AND ABOVE HUNG CEILING UNLESS OTHERWISE NOTED.

POWER PLAN KEY NOTES:

- 1. CONTRACTOR SHALL COORDINATE ALL APPLIANCES FOR RECEPTACLE MOUNTING HEIGHTS WITH ARCHITECTURAL DRAWINGS.
- CONTRACTOR SHALL PROVIDE ALL MOUNTING HARDWARE AND SUPPORT ACCESSORIES TO PROPERLY INSTALL AND SECURE DISCONNECT SWITCH.

H 2 M

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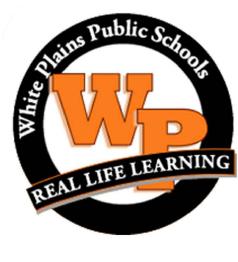


ANTHONY WOONGJIN KIM, P.E. DATE
NY PROFESSIONAL ENGINEER Lic. No. 092583

l	DESIGNED BY: PSP/SMP	PSP/SMP	CHECKED BY: AWK		REVIEWED BY: AWK
	PROJECT No.: WPSD2302	DATE: OCTOB	ER 2024	SCALE:	AS SHOWN

WHITE PLAINS CITY SCHOOL DISTRICT

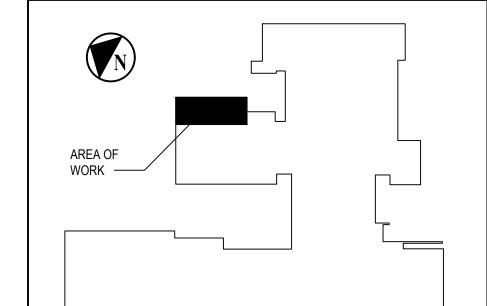
RENOVATIONS AND UPGRADES GEORGE WASHINGTON ELEMENTARY SCHOOL



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KEY PLAN



SINGLE CONTRACT

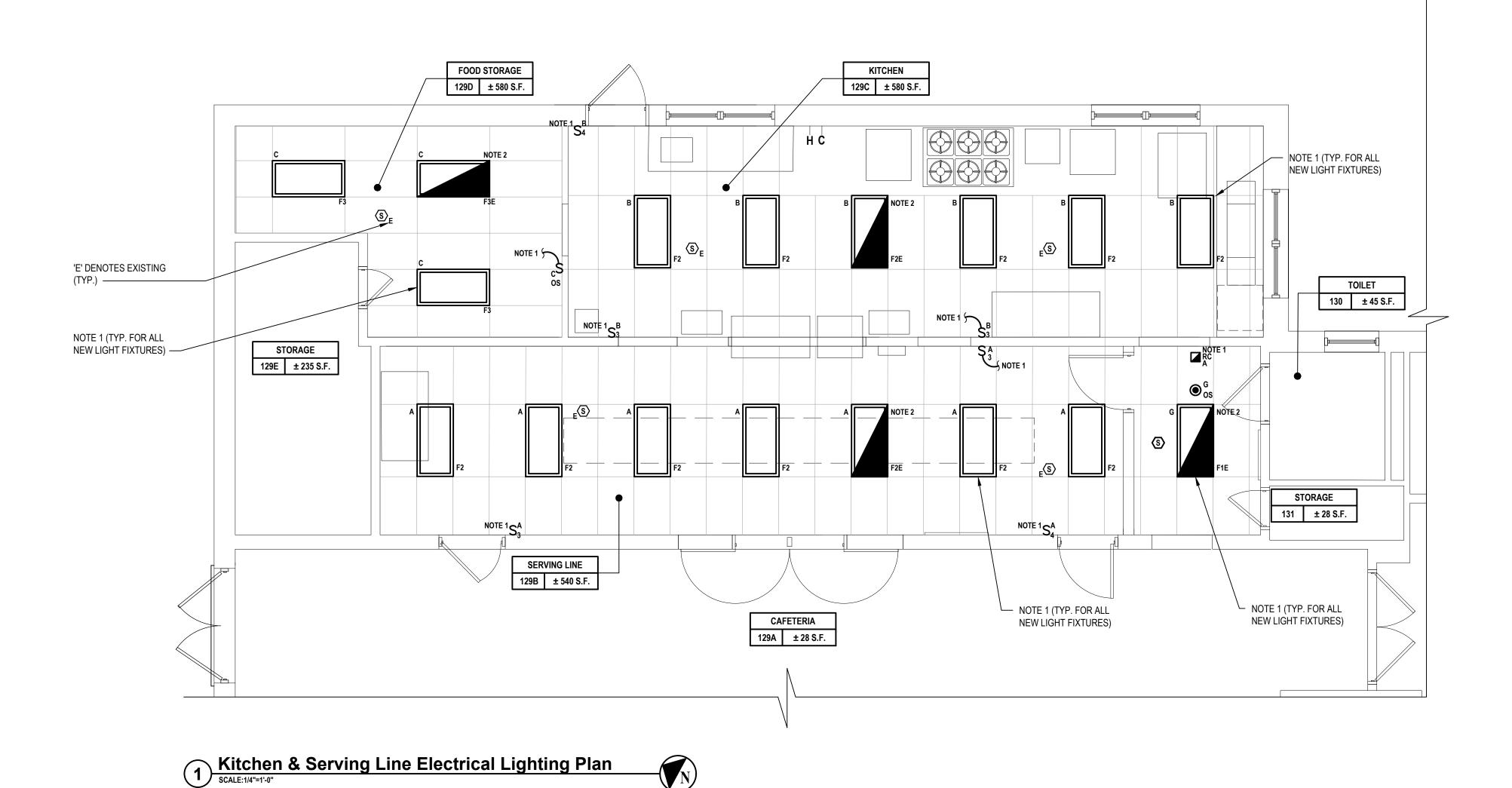
BID SUBMISSION

SHEET TITLE

KITCHEN AND SERVING LINE ELECTRICAL POWER PLAN

RAWING No.

E103.00



LIGHTING GENERAL NOTES:

- G1. PROVIDE ALL REQUIRED WIRING NECESSARY BETWEEN SWITCHES, CONTROLLERS AND/OR OCCUPANCY 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.
- G2. FIXTURES INDICATED WITH CIRCUIT DESIGNATIONS SHALL BE CONNECTED TO LINE SIDE OF CIRCUIT.
- G3. FIXTURES INDICATED WITH LETTER DESIGNATIONS SHALL BE CONNECTED TO THE SWITCH, OCCUPANCY SENSOR AND/OR ROOM CONTROLLER WITH CORRESPONDING LETTER DESIGNATION.
- G4. PROVIDE AND INSTALL A DEDICATED NEUTRAL FOR EACH CIRCUIT. CONTRACTOR IS NOT PERMITTED TO USE COMMON NEUTRALS.
- G5. PROVIDE BOX AND ACCESSORIES AS PER MANUFACTURER'S RECOMMENDATION FOR ALL SWITCHES OCCUPANCY SENSORS, AND/OR ROOM CONTROLLER.
- G6. ALL CEILING MOUNTED FIXTURES WITH EMERGENCY DRIVERS AND ALL FIXTURES THAT ARE PART OF AN EMERGENCY LIGHTING SYSTEM, FED FROM AN EMERGENCY GENERATOR OR CENTRAL BATTERY 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 FED FROM.
- G7. WIRING FOR EMERGENCY DRIVERS IS NOT SHOWN ON PLANS. FIXTURES WITH EMERGENCY DRIVERS SHALL BE PROVIDED WITH AN UNSWITCHED POWER FEED FROM CIRCUIT FEEDING LIGHT FIXTURE.

LIGHTING KEY NOTES:

- CONTRACTOR SHALL PROVIDE AND EXTEND WIRE AND CONDUIT FROM THE EXISTING LIGHTING CIRCUIT SERVING THIS ROOM TO TERMINATE AT NEW LIGHT FIXTURE AND SWITCH. WIRE AND CONDUIT SHALL BE 2 #12 AWG + #12 AWG GND IN 3/4" E.C.
- 2. CONTRACTOR SHALL PROVIDE AND INSTALL AN UNSWITCHED POWER FEED FROM THE LINE SIDE OF THE LIGHT SWITCH SERVING THE LIGHT FIXTURES IN THE ROOM WHERE THE NEW EMERGENCY LIGHT FIXTURE IS SCHEDULED TO BE INSTALLED. UNSWITCHED FEED SHALL ORIGINATE FROM THE SAME CIRCUIT FEEDING LIGHT FIXTURES IN THE ROOM WHERE THE EMERGENCY LIGHT FIXTURE IS SCHEDULED TO BE INSTALLED. PROVIDE AND INSTALL WIRE AND CONDUIT AS REQUIRED. CONTRACTOR SHALL PATCH, REPAIR, RESTORE, PRIME, PAINT AND REFINISH TO MATCH ORIGINAL APPEARANCE OF ALL WALLS, CEILINGS, AND ALL BUILDING FINISHES THAT ARE DISTURBED DURING INSTALLATION OF THE UNSWITCHED POWER FEED. WIRE AND CONDUIT SHALL BE 2 #12 AWG + #12 AWG GND IN 3/4" E.C.



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ANTHONY WOONGJIN KIM, P.E. P. DATE
NY PROFESSIONAL ENGINEER I.E. No. 092583

DESIGNED BY: PSP/SMP	DRAWN	I BY: PSP/SMP	CHECKED BY: AWK		REVIEWED BY:
PROJECT No.: WPSD2302	2	OCTOBI	ER 2024	SCALE:	SHOWI

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RENOVATIONS AND UPGRADES
GEORGE WASHINGTON
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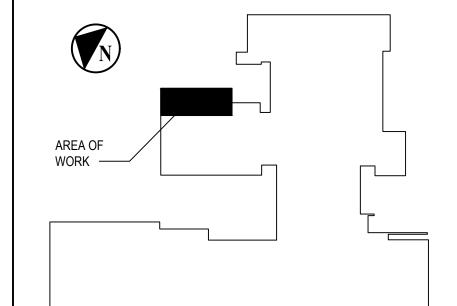
HEET TITLE

KITCHEN AND SERVING LINE ELECTRICAL LIGHTING PLAN

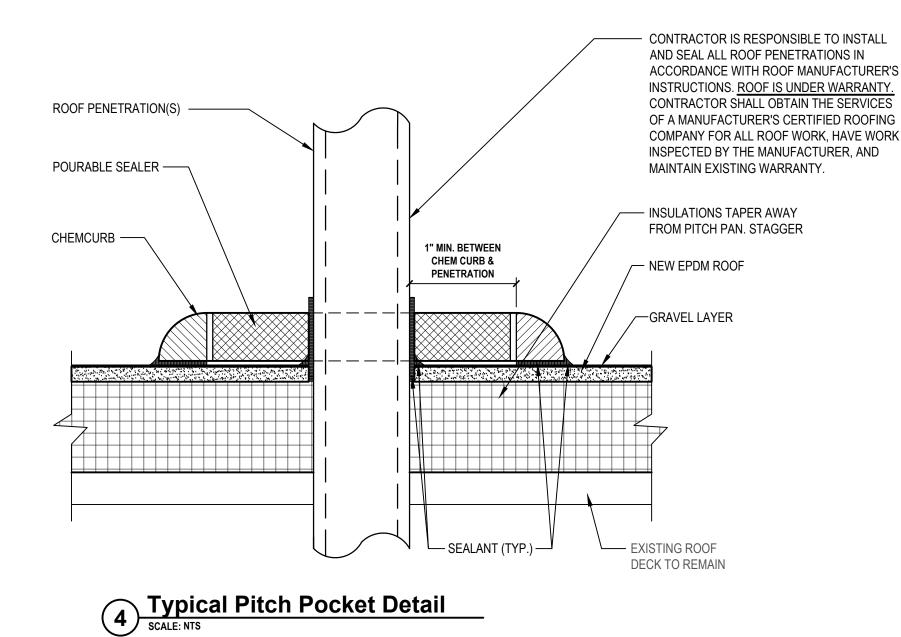
DRAWING No.

E121.00



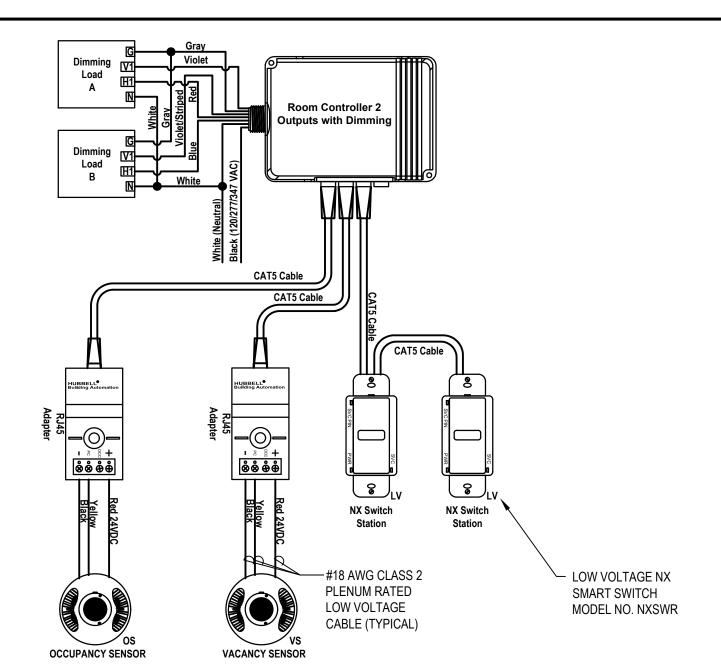


1 Typical Detail of Light Fixture with Emergency Driver



PITCH POCKET DETAIL NOTE:

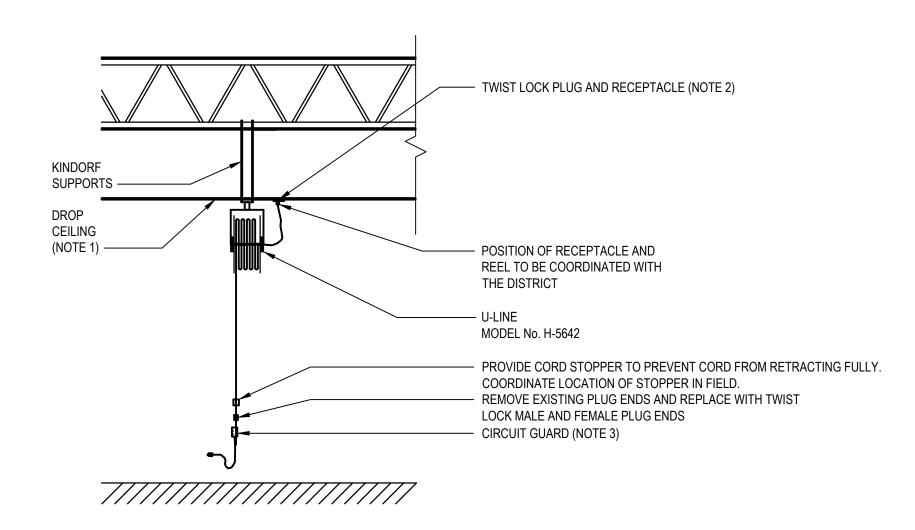
1. CONTRACTOR SHALL COORDINATE ALL ROOF PENETRATIONS WITH MECHANICAL EQUIPMENT INSTALLER. WHERE CONTRACTOR IS UNABLE TO PENETRATE AT THE SAME LOCATION AS MECHANICAL INSTALLER, CONTRACTOR SHALL BE RESPONSIBLE FOR PENETRATING ROOF SO AS TO NOT VOID EXISTING MANUFACTURER'S WARRANTY.



2 Lighting Room Control Detail (Note LC1) SCALE:NTS

LIGHTING ROOM CONTROL DETAIL NOTE:

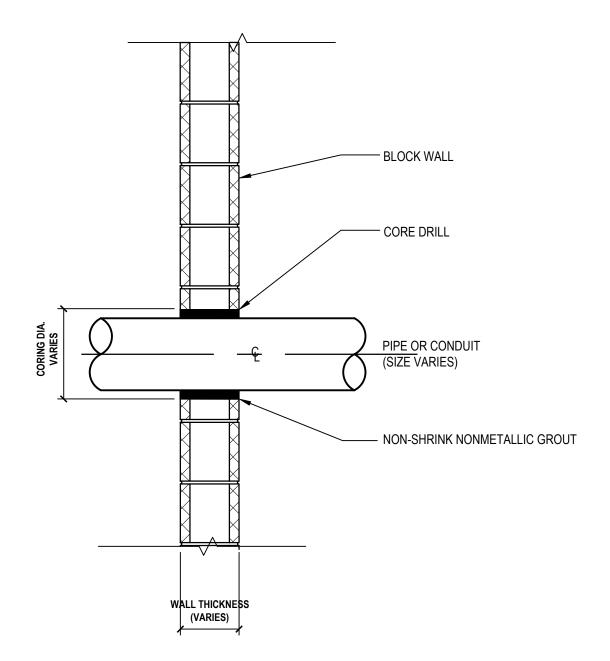
LC1. CONTRACTOR SHALL PROVIDE ALL MATERIALS AND ACCESSORIES AS REQUIRED TO PROVIDE FULL FUNCTIONING NX LIGHTING CONTROL SYSTEM TO FUNCTION AS SHOWN IN THE CONSTRUCTION DOCUMENTS. DESIGN OF THE LIGHTING CONTROL SYSTEM WAS DEVELOPED AROUND THE NX CONTROL SYSTEM. ALL LIGHTING CONTROLS WILL REQUIRE SUBMISSION OF CONTROL LAYOUT FROM MANUFACTURER/MANUFACTURER'S REP, STAMPED BY A PROFESSIONAL ENGINEER. SUBSTITUTE CONTROLS SHALL FUNCTION AS DESIGNED ON THE CONTRACT DOCUMENTS AND CONTRACTOR SHALL GUARANTEE FUNCTIONALITY.



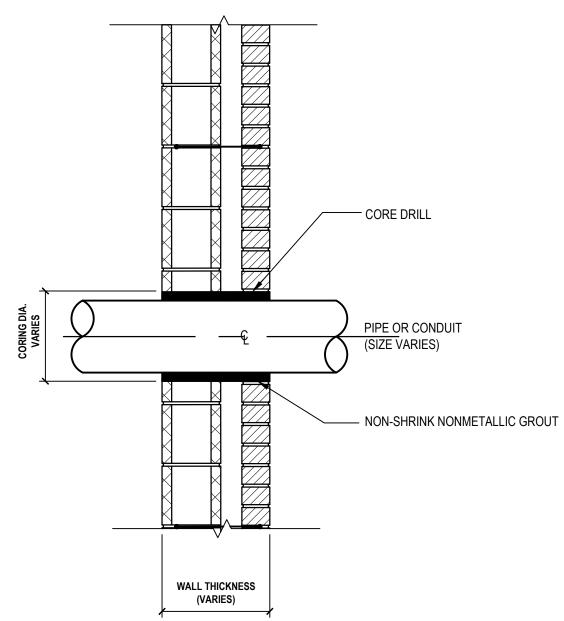
5 Charge Reel Receptacle Detail SCALE:NTS

NOTES:

- CONTRACTOR SHALL PROVIDE AND INSTALL ALL MOUNTING HARDWARE AND ACCESSORIES AS
- REQUIRED TO MOUNT CORD REEL TO CEILING.
- CONTRACTOR SHALL COORDINATE FINAL MOUNTING HEIGHT LOCATION WITH DISTRICT.
 COORDINATE FINAL PLUG END WITH SERVERY/EQUIPMENT INSTALLER.
 - IAL PLUG END WITH SERVERY/EQUIPMENT INSTALLER.



3 Typical Penetration Through Block Wall SCALE:NTS



Typical Penetration Through Brick Wall
SCALE:NTS

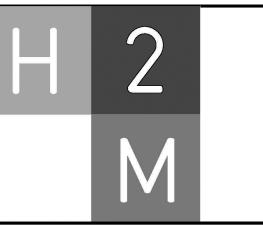
INTERIO	R LIGHTING I	FIXTURE SCI	HEDULE								
DESIGNATION	SYMBOL	MANUFACTURER	MODEL NUMBER	TYPE	WATTS	COLOR TEMPERATURE	VOLTAGE	LUMENS	MOUNTING	REMARKS	MOUNTING HEIGHT
F1		CURRENT LIGHTING	LJT24-40VWG-XX-A12-EDU	LED	27W	4000K	UNV	3495	RECESSED		CEILING
F1E		CURRENT LIGHTING	LJT24-40VWG-XX-A12-EDU-ELL14	LED	27W	4000K	UNV	3495	RECESSED	PROVIDE INTEGRAL EMERGENCY BACKUP WITH 90 MINUTES OF BACKUP CAPACITY	CEILING
F2		CURRENT LIGHTING	LJT24-40LWG-XX-A12-EDU	LED	34W	4000K	UNV	4334	RECESSED		CEILING
F2E		CURRENT LIGHTING	LJT24-40LWG-XX-A12-EDU-ELL14	LED	34W	4000K	UNV	4334	RECESSED	PROVIDE INTEGRAL EMERGENCY BACKUP WITH 90 MINUTES OF BACKUP CAPACITY	CEILING
F3		CURRENT LIGHTING	LJT24-40XWG-XX-A12-EDU	LED	20W	4000K	UNV	2681	RECESSED		CEILING
F3E		CURRENT LIGHTING	LJT24-40XWG-XX-A12-EDU-ELL14	LED	20W	4000K	UNV	2681	RECESSED	PROVIDE INTEGRAL EMERGENCY BACKUP WITH 90 MINUTES OF BACKUP CAPACITY	CEILING

TYPE	MANUFACTURER	MODEL NUMBER	VOLTAGE	MOUNTING	MOUNTING HEIGHT	REMARKS
RC	CURRENT LIGHTING	NXRCFX2-1RD	120V	SURFACE	ABOVE CEILING	ROOM CONTROLLER
©	CURRENT LIGHTING	NXOS-OMDT1	CONTROL VOLTAGE	SURFACE	CEILING	OS DENOTES OCCUPANCY SENSO
S _{os}	CURRENT LIGHTING	LHRMTS-1-G-WH	120	SURFACE	48" AFF	LIGHTHAWK DUAL TECHNOLOGY WALL SWITCH OS DENOTES OCCUPANCY SENSO

LIGHTING CONTROL NOTES:

- 1. CONTRACTOR SHALL PROVIDE ALL MATERIALS AND ACCESSORIES AS REQUIRED TO PROVIDE FULL FUNCTIONING NX LIGHTING CONTROL SYSTEM TO FUNCTION AS SHOWN IN THE CONSTRUCTION DOCUMENTS. DESIGN OF THE LIGHTING CONTROL SYSTEM WAS DEVELOPED AROUND THE 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.
- 2. ALL SWITCHES AND SWITCH BANKS TYPES SHALL BE COORDINATED WITH THE ENGINEER/DISTRICT IN FIELD.
- 3. CONTRACTOR SHALL COORDINATE WITH DISTRICT TO PROGRAM ALL SCHEDULES OF LIGHTING CONTROL, FUNCTION OF SWITCHES AND NETWORK CONFIGURATION. CONTROL SHALL PROVIDE TRAINING FOR DISTRICT STAFF ON EACH SHIFT. COORDINATE WITH NX LIGHTING CONTROLS FOR TRAINING AND PROGRAMMING ASSISTANCE (FIELD SERVICES).
- 4. IN ADDITION TO THE WORK SHOWN IN THESE ELECTRICAL DRAWINGS, THE ELECTRICAL CONTRACTOR IS RESPONSIBLE TO PROVIDE, FURNISH AND INSTALL ALL WORK, LABOR, MATERIALS, FIXTURES, HARDWARE, CABLING AND OTHER COMPONENTS AS SHOWN ON THE ELECTRICAL LIGHTING DRAWINGS, INCLUDING ALL LIGHT FIXTURES. SEE ELECTRICAL LIGHTING DRAWINGS FOR THESE REQUIREMENTS AND WORK. ELECTRICAL CONTRACTOR IS ALSO RESPONSIBLE TO PROVIDE, FURNISH AND INSTALL ALL CONDUIT, RACEWAY, BACKBOXES AND ASSOCIATED LABOR, HARDWARE AND MATERIALS NECESSARY FOR THE INSTALLATION OF SAME, AND FOR THE INSTALLATION OF DIMMING & OTHER LIGHTING CONTROLS. REFER TO THE ELECTRICAL SPECIFICATIONS AND DRAWINGS OF OTHER TRADES FOR ADDITIONAL WORK, SUCH AS RELATED TO MECHANICAL, PLUMBING AND FIRE ALARM SYSTEMS, AND NOTES REGARDING SEPARATION OF TRADES.

DISCONNECT SV	DISCONNECT SWITCH SCHEDULE											
DISCONNECT SWITCH IDENTIFICATION	TYPE	ENCLOSURE	VOLTS	POLES	FRAME SIZE AMPS	FUSE RATING						
DS1	UNFUSED	NEMA 3R	208V	2	60	-						



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ARK DATE DESCRIPTION

MARK	DATE	DESCRIPTION
	10-28-24	BID SET



ANTHONY WOONGJIN KIM, P.E.XP. DATE
NY PROFESSIONAL ENGINEER Lic. No. 092583

 DESIGNED BY:
 DRAWN BY:
 CHECKED BY:
 REVIEWED BY:

 PSP/SMP
 PSP/SMP
 AWK
 AWK

 PROJECT No.:
 DATE:
 OCTOBER 2024
 AS SHOWN

WHITE PLAINS CITY SCHOOL DISTRICT

RENOVATIONS AND UPGRADES
GEORGE WASHINGTON
ELEMENTARY SCHOOL



100 Orchard Street White Plains NY, 10604

66-22-00-01-0-009-018

CONTRACT

SINGLE CONTRACT

BID SUBMISSION

SHEET TITLE

ELECTRICAL DETAILS AND SCHEDULES

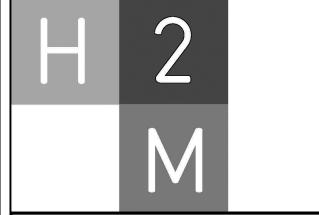
DRAWING No.

E500.00

Panelboard		LFG		Voltage		120/20		_	nase		Wire	4	AIC Rat	ing	65,000
Manufacturer		SIEMENS		Mains	40	OA MC	В	Ma	ains F	Rating	600A	_			
Panel Type		P3		Mountii	ng	SURFA	ACE	_ 0	otions		-	Note	LOCATE	D IN MAIN ELE	CTRICAL ROOM
NEMA Type Er	closure		1												
LOAD DESCRIPTION	BREAKER OPTION	TRIP AMPS & POLES	COI Ø A	VOLT AMPERES ØB	OAD Ø C	CIRC. NO.	A E	3 C	CIRC. NO.	CO Ø A	NNECTED LO VOLT AMPERES Ø B	Ø C	TRIP AMPS & POLES	BREAKER OPTION	LOAD DESCRIPTION
RTU-1	HACR	175A/3P	16824	16824	16824	1 3 5			2 4 6	16824	16824	16824	175A/3P	HACR	RTU-2
			9170			7	+	+	8	-			-		SPACE
PANEL SLP		60A/3P		4670		9	+	+	10		-		-		SPACE
					7140	11	+	\dashv	12				-		SPACE
SPACE		-	<u> </u>			13	+	+	14				-		SPACE
SPACE		-				15	+	+	16		1		-		SPACE
SPACE		-			<u> </u>	17	\pm	_	18			-	-		SPACE
(All Phases to	be balanced to v		Connected 1		ØA ØB ØC Total	3	2.8 3.3 0.8 11.9	KVA KVA KVA KVA		338.6	<u>A</u> mperes	AS - Po LO - Ha ST - Sh AUX - A PA - Ha GFCI - HACR - SF - Su	Ground Fau Heating, A	ff device pe ntacts ck Attachment Ilt Circuit Interru /C & Refrigeratio	•

Panelboard Manufacturer Panel Type		SLP SIEMENS P2		Voltage Mains Mountii	100	120/20 A MCI	В	_ Ma	ase ins F	Rating	Wire 125A -	Note	AIC Rat		22,000 LINE VESTIBULE
NEMA Type Enclo	osure		1												
LOAD DESCRIPTION	BREAKER OPTION	TRIP AMPS & POLES	COI	VOLT AMPERES ØB	OAD Ø C	CIRC. NO.	А В 	; C	CIRC. NO.	Ø A	NNECTED LO VOLT AMPERES Ø B	OAD Ø C	TRIP AMPS & POLES	BREAKER OPTION	LOAD DESCRIPTION
MILK DISPLAY CASE, REFRIGER.	GFCI	20A/2P	1664	1664		3			2	843	843		20A/2P	GFCI	HOT FOOD COUNTER, PORTABL
LOW HEAT SURFACE, BUILT IN	GFCI	20A/1P			1200	5 -	+	\dashv	6			1320	20A/1P	GFCI	HOT/COLD FOOD COUNTER/2-TIE
LOW HEAT SURFACE-BUILT IN HOT/COLD FOOD COUNTER/2-TIER	GFCI GFCI	20A/1P 20A/1P	1200	1320		7 9			8 10	843	843		20A/2P	GFCI	HOT FOOD COUNTER, PORTABLI
UNDERCOUNTER TRAY WASHER	GFCI	40A/2P	3172		3172	11 13	\Box		12 14	1440		1440	20A/1P 20A/1P	GFCI GFCI	CASH COUNTER, PORTABLE CASH COUNTER, PORTABLE
SPARE		20A/1P				15	\dashv		16				20A/1P	0101	SPARE
SPARE		20A/1P	/////			17	11	\top	18	/////	<i>\////</i>		20A/1P		SPARE
SPARE		20A/1P	· /////			19	1		20	/////	/////		20A/1P		SPARE
SPARE		20A/1P		· · · · · · · · · · · · · · · · · · ·	/////	21	\Box		22		1	/////	20A/1P		SPARE
SPACE		20A/1P	/////		·////	23			24	/////	\////		20A/1P		SPACE
SPACE SPACE		20A/1P 20A/1P	/////	/////		25 27			26	/////	<i>[/////</i>		20A/1P 20A/1P		SPACE SPACE
SPACE		20A/1P 20A/1P		/////	/////	27			28 30			/////	20A/1P 20A/1P		SPACE
(All Phases to be	balanced to v	vithin 7% us	Connected T		ØA_ ØB_ ØC_ Total _	4. 7.	17 67 14 .98	<u>K</u> VA <u>K</u> VA <u>K</u> VA <u>K</u> VA	-	58.3	<u>A</u> mperes	AS - Po LO - Ha ST - Sh AUX - A PA - Ha GFCI - (Ground Fau Heating, A	off device pe	rupter

Panelboard Manufacturer Panel Type		PPK EXISTING EXISTING		Voltage Mains	22	120/2 25A MO RECE	CB	M	ains F	Rating	Wire			·	EXISTING NG LINE ROOM
NEMA Type Er	•	LAIGTING	1	Mounti	ng	KEGE	SSED	_	ptions	·	-	Note	LOCA	TED IN SERVIN	NG LINE ROOM
LOAD DESCRIPTION	BREAKER OPTION	TRIP AMPS & POLES	CON Ø A	VOLT AMPERES ØB	OAD Ø C	CIRC. NO.	A	в с	CIRC. NO.	CO Ø A	VOLT AMPERES Ø B		TRIP AMPS & POLES	BREAKER OPTION	LOAD DESCRIPTION
EXISTING		20A/1P	-			1	$\vdash \vdash$	$\vdash\vdash$	2	-		X/////	20A/1P		EXISTING
EXISTING		20A/1P		-		3	+	╁┼	4		7		20A/1P		EXISTING
EXISTING		20A/1P			-	5	+	\vdash	6			7	20A/1P		EXISTING
EXISTING		20A/1P	T -			7	\vdash	\vdash	8	-		X/////	20A/1P		EXISTING
EXISTING		20A/1P		-		9	+	\vdash	10		1 -		20A/1P		EXISTING
EXISTING		20A/1P				11	+	\vdash	12			7 .	20A/1P		EXISTING
EXISTING		20A/1P	· ·			13	\vdash	\vdash	14	-	V////	X/////	20A/1P		EXISTING
EXISTING		20A/1P		-		15	+	₩	16		180		20A/1P*	GFCI	CEILING RECEPTACLE DRO
EXISTING		20A/1P				17	+	\vdash	18		X////	180	20A/1P*	GFCI	CEILING RECEPTACLE DRO
EXISTING		20A/1P	· ·			19	\vdash	\vdash	20	-		X/////	20A/1P		EXISTING
EXISTING		20A/1P		-		21	+	\vdash	22		1 -		20A/1P		EXISTING
EXISTING		20A/1P			-	23	+	\vdash	24			7	20A/1P		EXISTING
EXISTING		60A/2P		//////		25 27			26 28		////		20A/1P		EXISTING
EXISTING		15A/2P				29		\vdash	30		<i>\////</i>	•	15A/2P		EXISTING
EXISTING		15A/2P	· /////	////// -		31			32	/////	<i>/////</i>		20A/2P		EXISTING
EXISTING		15A/2P	////// //////			35 37 39			36 38 40	[]]]]]]			15A/3P		EXISTING
				//////		41		$\vdash \downarrow$	42		1////	/////	30A/1P		EXISTING
(All Phases to * CONTRACTO	be balanced to v			oad Totals.)	ØB ØC Total	EXI EXI	STING STING STING	KVA _KVA _KVA _KVA	\ \ \		3 Amperes E (2)	AS - Po LO - Ha ST - Sh AUX - A PA - Ha GFCI - HACR - SF - Su	Ground Fau - Heating, A	ff device pe ntacts ck Attachment It Circuit Interr /C & Refrigerati	•



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NSULTANTS:

MARK	DATE	DESCRIPTION
	10-28-24	BID SET



ANTHONY WOONGJIN KIM, P.E. DATE
NY PROFESSIONAL ENGINEER Lig. No. 092583

 DESIGNED BY:
 DRAWN BY:
 CHECKED BY:
 REVIEWED BY:

 PSP/SMP
 PSP/SMP
 AWK
 AWK

 PROJECT No.:
 DATE:
 SCALE:

 WPSD2302
 OCTOBER 2024
 AS SHOWN

WHITE PLAINS CITY SCHOOL DISTRICT

RENOVATIONS AND UPGRADES GEORGE WASHINGTON ELEMENTARY SCHOOL



100 Orchard Street White Plains NY, 10604

66-22-00-01-0-009-018

CONTRACT

SINGLE CONTRACT

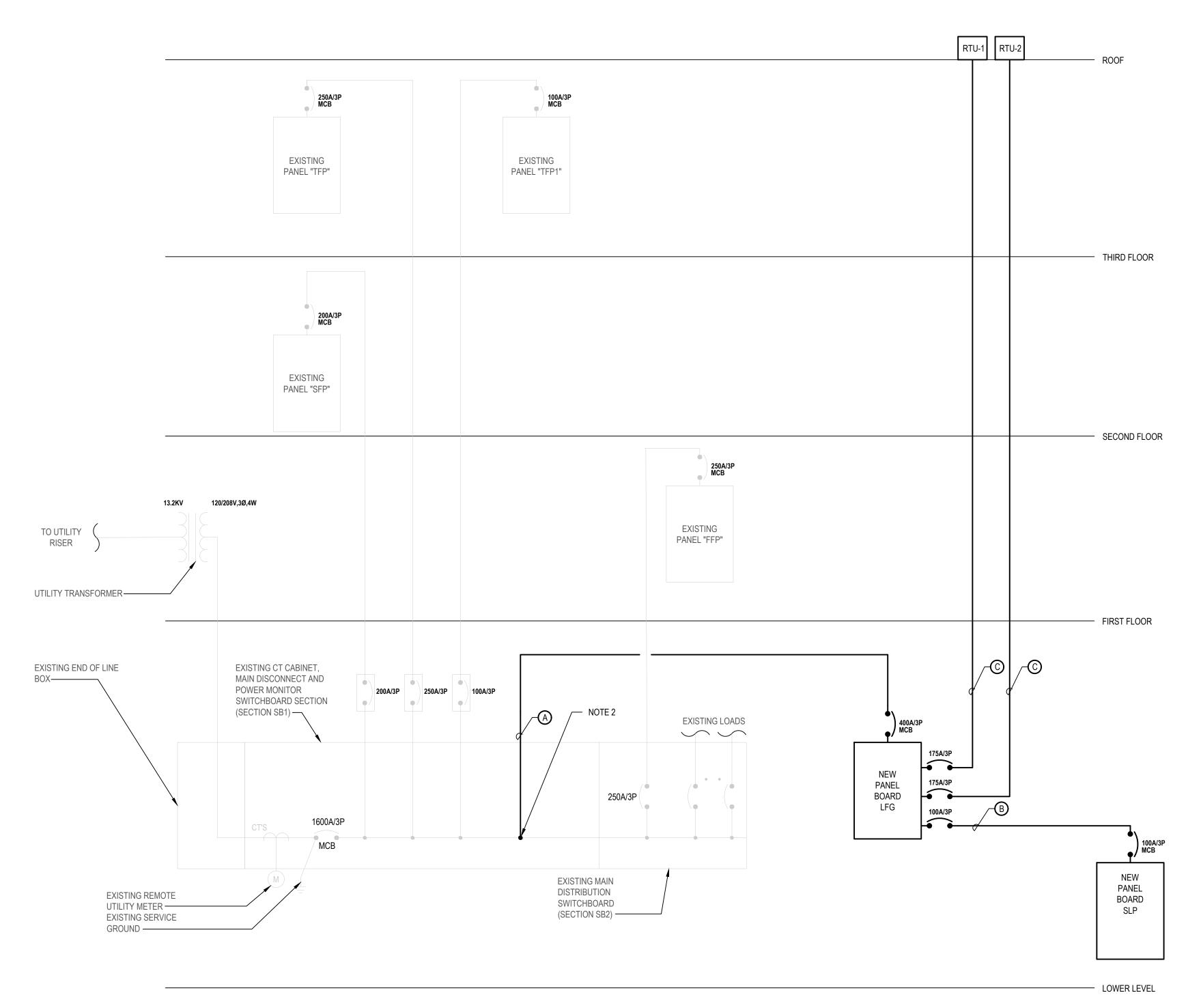
BID SUBMISSION

SHEET TITLE

ELECTRICAL PANEL SCHEDULES

DAMINO NI-

E600.00



Partial Single Line Diagram (Note 1)

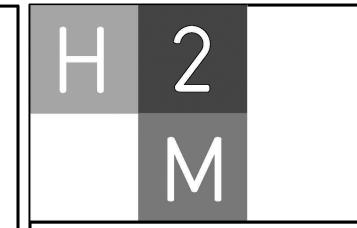
SCALE:NTS

SINGLE LINE DIAGRAM NOTES:

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

CONTRACTOR SHALL TAP THE BUS IN EXISTING MAIN DISTRIBUTION SWITCHBOARD DISTRIBUTION SECTION (IN ACCORDANCE WITH SECTION 240.21 OF NEC). CONTRACTOR SHALL PROVIDE AND INSTALL TERMINATION LUGS, FEEDER TAP CONDUCTORS BETWEEN THE BUS TAP AND NEW DISCONNECT SWITCH THAT DO NOT EXCEED 25'-0" IN LENGTH. PROVIDE ALL TAPS AND LUGS AS REQUIRED. COORDINATE ALL ELECTRICAL SHUTDOWNS WITH DISTRICT AND ENGINEER 72 HOURS IN ADVANCE, MINIMUM. SHUTDOWN SHALL BE COORDINATED WITH DISTRICT.

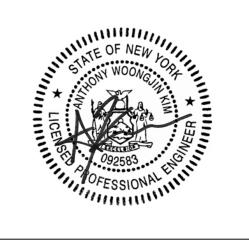
FEEDER SCHEDULE									
FEEDER	CONDUCTOR AND CONDUITS FEEDER SCHEDULE								
А	(2) SETS OF 4 - 350 MCM + #1 AWG GND IN (2) 3-1/2" E.C.								
В	4 #3/0 AWG + #2 AWG GND IN 2-1/2" E.C.								
С	3 - 300 MCM + #2 AWG GND IN 3" E.C. (XHHW-2 INSULATION FOR ROOF MOUNTED WIRING AND CONDUIT)								



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DECODIDATION
DATE

MARK	DATE	DESCRIPTION
	10-28-24	BID SET



ANTHONY WOONGJIN KIM, P.E. ANTHONY WOONGJIN KIM, P.E. ANTHONY PROFESSIONAL ENGINEER Lie. No. 092583

PSP/SMP	DRAWN	I BY: PSP/SMP	CHECKED BY: AWK	REVIEWED BY:		
PROJECT No.: WPSD2302	2	OCTOBI	ER 2024	SCALE	AS SHOWN	

WHITE PLAINS CITY SCHOOL DISTRICT

RENOVATIONS AND UPGRADES
GEORGE WASHINGTON
ELEMENTARY SCHOOL



100 Orchard Street White Plains NY, 10604

66-22-00-01-0-009-018

CONTRA

SINGLE CONTRACT

BID SUBMISSION

SHEET TITLE

ELECTRICAL SINGLE LINE DIAGRAM

DRAWING No

E610.00