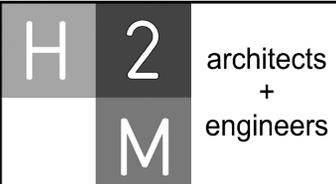


# White Plains City School District TOILET ROOM RENOVATIONS AT GEORGE WASHINGTON ELEMENTARY SCHOOL

100 ORCHARD STREET WHITE PLAINS, NEW YORK 10604

## SED PROJECT CONTROL NUMBER 66-22-00-01-0-009-016

CONTRACT G - GENERAL CONSTRUCTION, ASBESTOS ABATEMENT, PLUMBING, HVAC & ELECTRICAL WORK



2700 Westchester Ave., Suite 415  
Purchase, NY 10577  
914.358.5623 • www.h2m.com

CONSULTANTS:

MARK	DATE	DESCRIPTION
-	11-03-21	FINAL BID SET



DESIGNED BY:	DRAWN BY:	CHECKED BY:	REVIEWED BY:
CWP	MKS		
PROJECT NO:	DATE:	SCALE:	
WPSD 2007	NOVEMBER 2021	AS SHOWN	

**White Plains City School District**

**Toilet Room Renovations at the George Washington Elementary School**



100 Orchard Street  
White Plains NY, 10604  
66-22-00-01-0-009-016

**CONTRACT G  
GENERAL CONSTRUCTION**

**FINAL BID DOCUMENT**

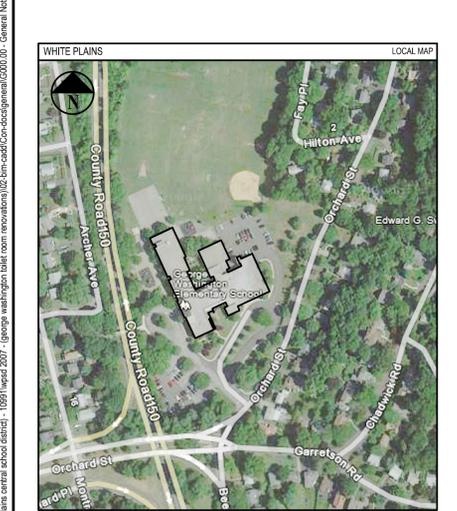
**GENERAL NOTES, MAPS, DRAWINGS LIST AND LEGENDS**

**DRAWING NO. G000.00**

### ABBREVIATIONS

AB Anchor Bolt	FIN Finish
A/C Air Conditioning	FR Fire Retardant
ACI American Concrete Institute	FTG Footing
ACST Acoustic	GA Gauge
ACT Acoustical Ceiling Tie	GWB Gypsum Wall Board
ACU Air Conditioning Unit	GYP Gypsum
AD Access Door	GYP.BD Gypsum Board
ADJ Adjustable	HC Handicapped
A/E Architect/Engineer	HM Hollow Metal
AFF Above Finish Floor	HOR Horizontal
ALUM Aluminum	HW Hot Water
ANCH Anchor	INSUL Insulation/Insulating
ANSI American National Standards Institute	INT Interior
APA Access Panel	LAV Lavatory
APPROX Approximately	LDR Leader
ASPH Asphalt	LT Light
ASTM American Society for Testing & Materials	MAX Maximum
AWS American Welding Society	MECH Mechanical
B Fire Blanket	MISC Miscellaneous
BAL Balance	MO Masonry Opening
BB Bulletin Board	MR Moisture Resistant
BD Board	NIC Not in Contract
BLDG Building	NTS Not to Scale
BLK Block	OC On Center
BLKG Blocking	OD Outside Diameter
BM Beam	PLYVD Plywood
B.O. Bottom Of	PSF Pounds per Square Foot
BOL Bottom Of Lintel	PSI Pounds per Square Inch
BOT Bottom	PTD Painted
CEIL Ceiling	PVC Polyvinyl Chloride
CEM Cement	R Radius or Riser
CER Ceramic	RCP Reflected Ceiling Plan
CLO Closet	RD Roof Drain
CMU Concrete Masonry Unit	REIN Reinforced
COL Column	RM Room
CONC Concrete	ROU Rough Opening
CONST Construction	SIM Similar
CONT Continuous	SPEC Specifications
CORR Corridor	SQ Square
CPT Carpet	SS Stainless Steel
DS Downspout	STL Steel
DW Dishwasher	TEMP Temperature
DWG Drawing	TER Terrazzo
EA Each	THK Thick
EL Elevation	TYP Typical
ELEC Electric/Electrical	UTL Utility
ELEV Elevator	VB Vapor Barrier
EP Electrical Panel	VCT Vinyl Composition Tile
EQ Epoxy Coating	VERT Vertical
EQUI Equipment	VTR Vent Thru Roof
EXIST Existing	WC Water Closet
EXST Exhaust	WH Water Heater
FAI Fresh Air Intake	WWF Welded Wire Fabric
F.C. Fire Code	
FD Floor Drain	

### LOCATION MAPS



### GENERAL NOTES

ALL WORK SHALL COMPLY WITH THE NEW YORK STATE FIRE PREVENTION AND BUILDING CODE AS WELL AS THE NEW YORK STATE EDUCATION DEPARTMENT MANUAL OF PLANNING STANDARDS.

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

IT IS THE CONTRACTORS RESPONSIBILITY TO FIELD VERIFY ALL DIMENSIONS, 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.

ALL WORK SHALL COMPLY WITH ALL APPLICABLE CODES, LAWS AND STATUTES AS REQUIRED. STRICTLY ADHERE TO MANUFACTURER'S PRINTED INSTRUCTIONS.

VERIFY EXACT LAYOUT COMPATIBILITY WITH ALL EXISTING CONDITIONS BEFORE BEGINNING WORK.

DISTURB ONLY THOSE AREAS OF THE SITE AFFECTED BY RENOVATION, UNLESS NOTED OTHERWISE. PROTECT ALL OTHER AREAS. CONTRACTORS SHALL BE RESPONSIBLE FOR ALL PATCH AND REPAIR OF EXISTING FINISHES WHICH ARE DAMAGED DURING CONSTRUCTION.

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

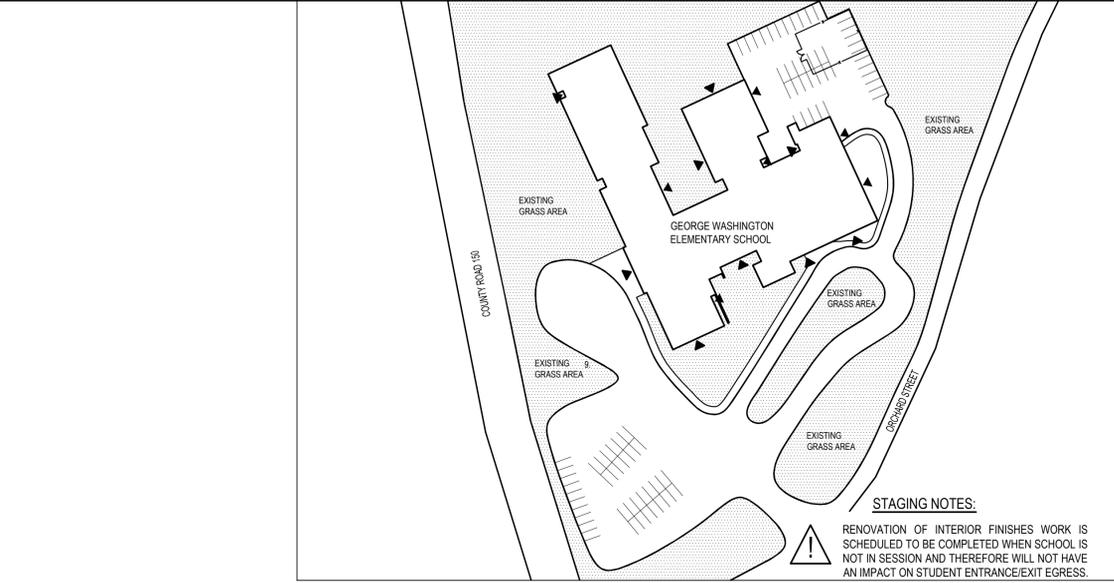
THE OWNER RESERVES THE RIGHT AT ALL TIMES TO DELIVER, PLACE AND INSTALL EQUIPMENT AND FURNISHINGS AS THE WORK PROGRESSES SO LONG AS THERE IS NOT A CONFLICT WITH THE CONTRACTORS.

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.

### DRAWING LIST

- INFORMATIONAL DRAWINGS**
- G000.00 GENERAL NOTES, MAPS, DRAWING LIST, STAGING PLAN, EXIT PLAN & LEGENDS
  - G100.00 EXISTING FIRST FLOOR PLAN
  - G101.00 EXISTING SECOND FLOOR PLAN
  - G102.00 EXISTING THIRD FLOOR PLAN
- ASBESTOS ABATEMENT DRAWINGS**
- H001.00 ASBESTOS ABATEMENT GENERAL NOTES
  - H002.00 ASBESTOS ABATEMENT GIRLS AND BOYS TOILETS FLOOR PLANS 2ND FLOOR
  - H003.00 ASBESTOS ABATEMENT GIRLS AND BOYS TOILETS FLOOR PLANS 3RD FLOOR
- ARCHITECTURAL DRAWINGS**
- AD 100.00 ENLARGED DEMOLITION BATHROOM PLANS
  - AD 101.00 ENLARGED DEMOLITION BATHROOM PLANS
  - A 000.00 PARTITION TYPES
  - A 100.00 ENLARGED BATHROOM PLANS
  - A 101.00 ENLARGED BATHROOM PLANS
  - A 102.00 ENLARGED BATHROOM PLANS
  - A 103.00 ENLARGED BATHROOM PLANS
  - A 500.00 DETAILS
  - A 600.00 DOOR SCHEDULE, DETAILS & FINISH SCHEDULE
- HVAC DRAWINGS**
- M 001.00 MECHANICAL GENERAL LEGENDS AND SCHEDULES
  - MD 100.00 MECHANICAL DEMOLITION PLAN FIRST FLOOR
  - MD 101.00 MECHANICAL DEMOLITION PLAN SECOND FLOOR
  - MD 102.00 MECHANICAL DEMOLITION PLAN THIRD FLOOR
  - M 100.00 MECHANICAL FLOOR PLAN FIRST FLOOR
  - M 101.00 MECHANICAL FLOOR PLAN SECOND FLOOR
  - M 102.00 MECHANICAL FLOOR PLAN THIRD FLOOR
  - M 300.00 MECHANICAL SCHEDULES AND DETAILS
- PLUMBING DRAWINGS**
- P 000.00 GENERAL NOTES, LEGEND, AND ABBREVIATIONS
  - P 100.00 FIRST FLOOR KEY PLAN
  - P 102.00 SECOND FLOOR KEY PLAN
  - P 200.00 PLUMBING DEMOLITION ENLARGEMENT PLANS
  - P 201.00 PLUMBING PROPOSED ENLARGEMENT PLANS
- ELECTRICAL DRAWINGS (CONTRACT E)**
- E 001.00 GENERAL NOTES AND LEGENDS
  - ED 101.00 DEMOLITION PLAN PARTIAL FIRST FLOOR
  - ED 112.00 DEMOLITION PLAN PARTIAL SECOND FLOOR
  - E 101.00 ELECTRICAL PLAN PARTIAL FIRST FLOOR
  - E 102.00 ELECTRICAL PLAN PARTIAL SECOND FLOOR
  - E 500.00 ELECTRICAL DETAILS



- 1 Staging Site Plan**
- SCALE: NTS
- POST SIGNS INDICATING CONSTRUCTION AREA AND CONSTRUCTION EMPLOYEE ENTRANCE. SEE SIGN SCHEDULE BELOW.
  - 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 LEGEND BELOW.
  - 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.
- STAGING NOTES:**
- RENOVATION OF INTERIOR FINISHES 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 LEGEND

	GYMNASIUM		
	SECTION MARK		GYPSUM
	DETAIL SYMBOL		CONCRETE
	ELEVATION KEY		AGGREGATE SUB-BASE
	INTERIOR ELEVATION REFERENCE		EARTH
	ELEVATION LINE		BATT INSULATION
	REVISION		PLYWOOD
	PARTITION TYPE		RIGID INSULATION
			STEEL
			WOOD
			WOOD BLOCKING

### UNIFORM SAFETY STANDARDS - FOR SCHOOL CONSTRUCTION AND MAINTENANCE PROJECTS

- "THE OCCUPIED PORTION OF ANY SCHOOL BUILDING SHALL ALWAYS COMPLY WITH THE MINIMUM REQUIREMENTS NECESSARY TO MAINTAIN A CERTIFICATE OF OCCUPANCY."
- SPECIFIC AREAS HAVE BEEN TESTED AND FOUND TO CONTAIN ASBESTOS AS DESCRIBED IN THE PROJECT MANUAL. THESE AREAS WILL BE ABATED IN ACCORDANCE WITH SPECIFICATION SECTION 02620. A COPY OF THE REPORT CAN BE VIEWED AT THE DISTRICT OFFICE LOCATED AT 5 HOMESIDE LANE, WHITE PLAINS, NY 10605
- "GENERAL SAFETY AND SECURITY STANDARDS FOR CONSTRUCTION PROJECTS:
  - ALL CONSTRUCTION MATERIALS SHALL BE STORED IN A SAFE AND SECURE MANNER.
  - FENCES AROUND CONSTRUCTION SUPPLIES OR DEBRIS SHALL BE MAINTAINED.
  - GATES SHALL ALWAYS BE LOCKED UNLESS A WORKER IS IN ATTENDANCE TO PREVENT UNAUTHORIZED ENTRY.
  - 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.
  - WORKERS SHALL BE REQUIRED TO WEAR PHOTO-IDENTIFICATION BADGES AT ALL TIMES FOR IDENTIFICATION AND SECURITY PURPOSES WHILE WORKING AT OCCUPIED SITES."
- "SEPARATION OF CONSTRUCTION AREAS FROM OCCUPIED SPACES. CONSTRUCTION AREAS WHICH ARE UNDER THE CONTROL OF A CONTRACTOR AND THEREFORE NOT OCCUPIED BY DISTRICT STAFF OR STUDENTS SHALL BE SEPARATED FROM OCCUPIED AREAS. PROVISIONS SHALL BE MADE TO PREVENT THE PASSAGE OF DUST AND CONTAMINANTS INTO OCCUPIED PARTS OF THE BUILDING. PERIODIC INSPECTION AND REPAIRS OF THE CONTAINMENT BARRIERS MUST BE MADE TO PREVENT EXPOSURE TO DUST OR CONTAMINANTS. GYPSUM BOARD MUST BE USED IN EXIT WAYS OR OTHER AREAS THAT REQUIRE FIRE RATED SEPARATION. HEAVY DUTY PLASTIC SHEETING MAY BE USED ONLY FOR A VAPOR, FINE DUST OR AIR INFILTRATION BARRIER, AND SHALL NOT BE USED TO SEPARATE OCCUPIED SPACES FROM CONSTRUCTION AREAS.
  - A SPECIFIC STAIRWELL AND/OR ELEVATOR SHALL BE ASSIGNED OR CONSTRUCTION WORKER USE DURING WORK HOURS. IN GENERAL, WORKERS MAY NOT USE CORRIDORS, STAIRS OR ELEVATORS DESIGNATED FOR STUDENTS OR SCHOOL STAFF. WHERE NO STAIRWELL AND/OR ELEVATOR IS ASSIGNED, WORKERS MUST ENTER THE CONSTRUCTION SPACES DIRECTLY FROM THE BUILDING EXTERIOR.
  - LARGE AMOUNTS OF DEBRIS MUST BE REMOVED BY USING ENCLOSED CHUTES OR A SIMILAR SEALED SYSTEM. THERE SHALL BE NO MOVEMENT OF DEBRIS THROUGH HALLS OF OCCUPIED SPACES OF THE BUILDING. NO MATERIAL SHALL BE DROPPED OR THROWN OUTSIDE THE WALLS OF THE BUILDING.
  - ALL OCCUPIED PARTS OF THE BUILDING AFFECTED BY RENOVATION ACTIVITY SHALL BE CLEANED AT THE CLOSE OF EACH WORKDAY. SCHOOL BUILDINGS OCCUPIED DURING CONSTRUCTION PROJECT SHALL MAINTAIN REQUIRED HEALTH, SAFETY AND EDUCATIONAL CAPABILITIES AT ALL TIMES THAT CLASSES ARE IN SESSION."
- A PLAN DETAILING HOW EXITING REQUIRED BY THE APPLICABLE BUILDING CODE WILL BE MAINTAINED.
- 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.
- A PLAN DETAILING HOW ADEQUATE VENTILATION WILL BE MAINTAINED DURING CONSTRUCTION.
- WORK UNDER THIS PROJECT WILL BE COMPLETED DURING THE SUMMER RECESS WHEN THE BUILDING WILL NOT BE OCCUPIED BY FACULTY, STAFF OR STUDENTS. IF A PORTION OF THE BUILDING IS TO BECOME OCCUPIED DURING THE CONSTRUCTION PROCESS THE CONTRACTOR SHALL CLOSE OFF ALL INTAKES, OPENINGS, AND MECHANICAL VENTILATION SYSTEMS ADJACENT TO THE WORK AREA. THE ARCHITECT SHALL ASSIST THE CONTRACTOR IN DEVELOPING A PLAN TO PROVIDE ALTERNATE MEANS OF FRESH AIR TO ALL OCCUPIED SPACES.
 

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

"THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONTROL OF CHEMICAL FUMES, GASES, AND OTHER CONTAMINANTS 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.
- "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 BE OCCUPIED."
- ALL CONTRACTORS SHALL TAKE EVERY PRECAUTION TO ENSURE THAT 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 APPLIED.
- MINOR ASBESTOS PROJECTS DEFINED BY 12NYCRR66 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 12NYCRR66.
 

SPECIFIC AREAS HAVE BEEN TESTED AND FOUND TO CONTAIN LEAD AS DESCRIBED IN THE PROJECT MANUAL. THESE AREAS WILL BE ABATED IN ACCORDANCE WITH SPECIFICATION SECTION 02600.

X:\wpd\white plains center school district\10591wpd\66-22-00-01-0-009-016\66-22-00-01-0-009-016.dwg - General Notes, Maps, Drawings List and Legend.dwg Last Modified: Nov 02, 2021, 1:23pm Eastern Standard Time

CONSULTANTS:

MARK	DATE	DESCRIPTION
-	11-03-21	FINAL BID SET



DESIGNED BY: CWP	DRAWN BY: MKS	CHECKED BY:	REVIEWED BY:
PROJECT NO: WPSD 2007	DATE: NOVEMBER 2021	SCALE:	AS SHOWN

**White Plains City School District**

**Toilet Room Renovations at the George Washington Elementary School**



100 Orchard Street  
White Plains NY, 10604  
66-22-00-01-0-009-016

**CONTRACT G  
GENERAL CONSTRUCTION**

**STATUS  
FINAL BID DOCUMENT**

**SHEET TITLE  
EXISTING FIRST FLOOR PLAN**

**DRAWING No.  
G100.00**

**NOTE:**  
EXISTING SMOKE DETECTORS TO REMAIN (TYP. FOR ALL).

**LEGEND**

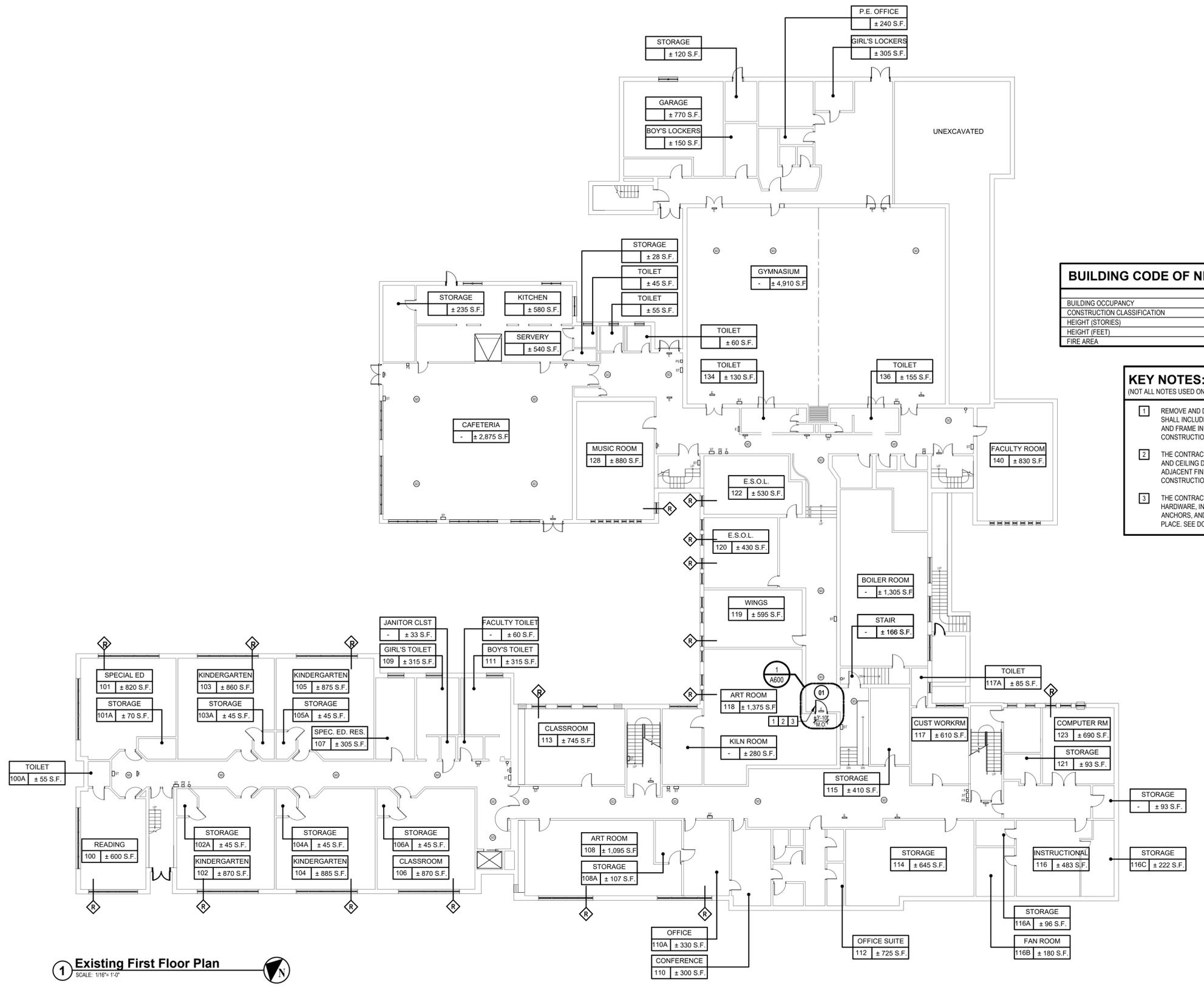
ROOM	ROOM NUMBER	DESIGNATION TAG
000	± S.F.	

- OF EXISTING FIRE EXTINGUISHER
- EXISTING EXIT SIGN
- EXISTING PULL STATION
- EXISTING FIRE ALARM STROBE
- EXISTING SMOKE DETECTOR
- RESCUE WINDOW

**BUILDING CODE OF NEW YORK STATE** (NYS CODE TABLE 903)

	ALLOWED	PROPOSED/EXISTING
BUILDING OCCUPANCY	-	EDUCATIONAL GROUP E
CONSTRUCTION CLASSIFICATION	-	IIB
HEIGHT (STORIES)	3 STORIES	3 STORIES
HEIGHT (FEET)	55 FEET	54 FEET
FIRE AREA	N/A	N/A

- KEY NOTES:**  
(NOT ALL NOTES USED ON EACH PLAN)
- REMOVE AND DISPOSE OF EXISTING DOOR, FRAME, AND HARDWARE. REMOVAL SHALL INCLUDE BUT NOT BE LIMITED TO ALL DEVICES USED TO SECURE DOOR AND FRAME IN PLACE. PREPARE EXISTING OPENING TO RECEIVE NEW CONSTRUCTION.
  - THE CONTRACTOR SHALL PATCH AND REPAIR ALL EXISTING WALLS, FLOORING AND CEILING DAMAGED DUE TO DEMOLITION IN AREA OF WORK TO MATCH ADJACENT FINISHES AND PREPARE OPENING FOR NEW DOOR AND FRAME CONSTRUCTION.
  - THE CONTRACTOR SHALL PROVIDE AND INSTALL NEW DOOR, FRAME, AND HARDWARE, INCLUDING BUT NOT LIMITED TO FRAME, CLOSER, HARDWARE, WALL ANCHORS, AND ALL DEVICES USED TO SECURE THE DOORS AND FRAMES IN PLACE. SEE DOOR SCHEDULE AND DETAILS ON SHEET A600.00.



**1 Existing First Floor Plan**  
SCALE: 1/16" = 1'-0"

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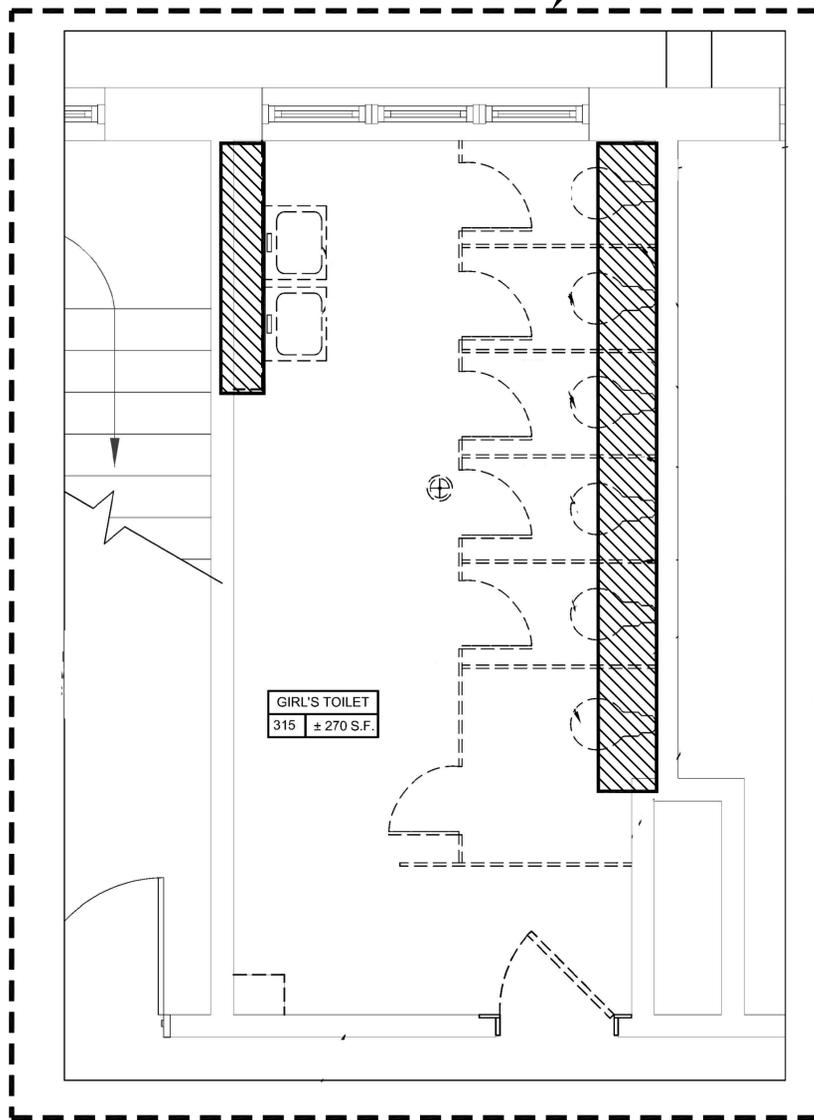




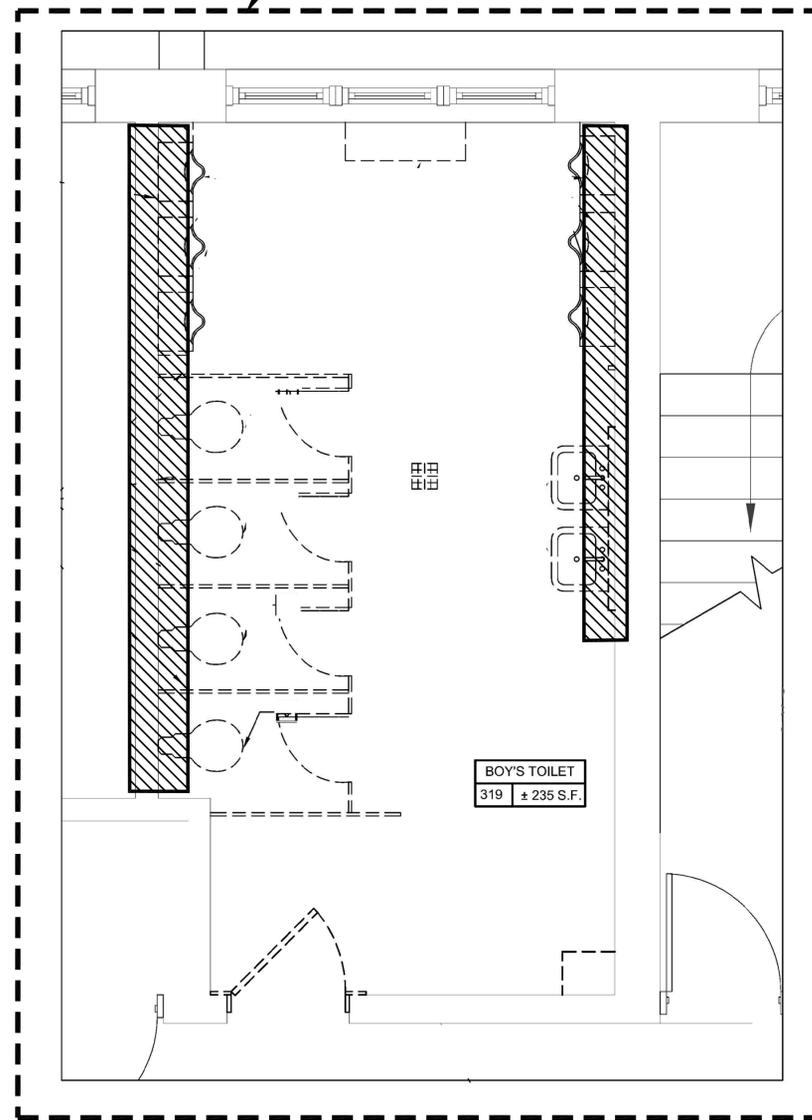




WORK AREA 3



WORK AREA 4



**LEGEND**

LOCATION OF ASBESTOS CONTAINING PIPE INSULATION (CONCEALED INSIDE CHASE)

WORK AREA BOUNDARY

Air Lock

Equipment Room

Shower

Clean Room

Lockable Door

**TYPICAL DECONTAMINATION UNIT**

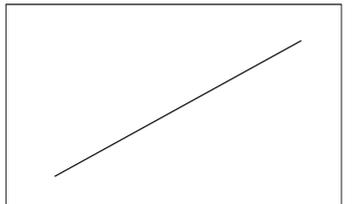
538 Broad Hollow Road, 4th Floor East  
Melville, NY 11747  
631.756.8000 • www.h2m.com

CONSULTANTS: ENVIRONMENTAL CONSULTANT



WSP USA SOLUTIONS  
500 SUMMIT ROAD, SUITE 450  
VALHALLA, NY 10985  
TELEPHONE: 914.742.1120

MARK	DATE	DESCRIPTION



\*ALTERATION OF THIS DOCUMENT EXCEPT BY A LICENSED PROFESSIONAL ENGINEER\*

DESIGNED BY:	DRAWN BY:	CHECKED BY:	REVIEWED BY:
SE	JP	JG	JG

PROJECT NO.:	DATE:	SCALE:
WSPD	MARCH 2021	AS SHOWN

CLIENT  
**White Plains City School District**

Toilet Room Renovations at the George Washington Elementary School



100 Orchard Street  
White Plains, NY 10604

SED No. 66-22-00-01-0-009-016

CONTRACT  
**CONTRACT G  
GENERAL CONSTRUCTION**

STATUS  
**SED - FINAL BID SET**

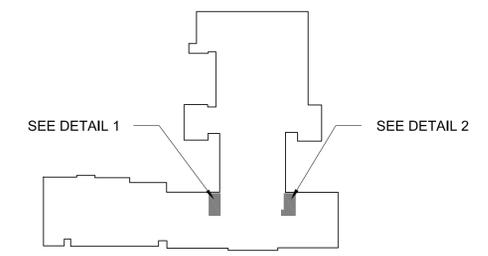
SHEET TITLE  
**ASBESTOS ABATEMENT  
GIRLS AND BOYS TOILETS  
FLOOR PLANS  
3RD FLOOR**

DRAWING NO.  
**H003.00**

**1** 315 GIRLS TOILET PLAN - THIRD FLOOR - DETAIL 1  
H003.00 SCALE: NOT TO SCALE

**2** 321 BOYS TOILET PLAN - THIRD FLOOR - DETAIL 2  
H003.00 SCALE: NOT TO SCALE

WORK AREA	LOCATION	ASBESTOS-CONTAINING MATERIAL	APPROXIMATE QUANTITY	REMOVAL PROCEDURES
3	3RD FLOOR GIRLS TOILET 315	PIPE INSULATION (GREY) - CONCEALED IN CHASE	55 LINEAR FEET	NYS DOL 12 NYCRR PART 56 § 7.11 (ii) TENT PROCEDURES
4	3RD FLOOR BOYS TOILET 321	PIPE INSULATION (GREY) - CONCEALED IN CHASE	57 LINEAR FEET	



**KEY PLAN**  
SCALE: NOT TO SCALE



PROJECT DESIGNER: STEVEN EGET NYS CERT. # 881711

Z:\NYCAD\CAD\TEMP\2021\SCHOOL DISTRICT\146280101 - GEORGE W. WASHINGTON ELEMENTARY SCHOOL\01-HR03.00.dwg Last Modified: Mar 10, 2021 - 2:20pm By: USR02724

CONSULTANTS:

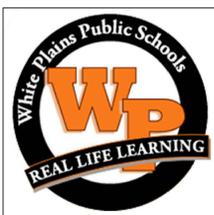
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PROJECT NO.:	DATE:	SCALE:	
WPSD 2007	NOVEMBER 2021	AS SHOWN	

CLIENT  
**White Plains City School District**

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White Plains NY, 10604

66-22-00-01-0-009-016

CONTRACT  
**CONTRACT G  
GENERAL CONSTRUCTION**

STATUS  
**FINAL BID DOCUMENT**

SHEET TITLE  
**ENLARGED DEMOLITION  
BATHROOM PLANS**

DRAWING No.  
**AD 100.00**

**GENERAL DEMOLITION NOTES:**

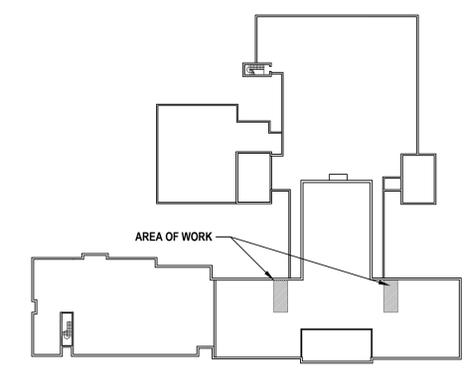
- ALL DEMOLITION WORK SHALL BE IN COMPLIANCE WITH ALL FEDERAL AND NEW YORK STATE APPLICABLE BUILDING AND LIFE AND SAFETY REGULATIONS.
- CONTRACTORS ACCESS SHALL BE AS CALLED OUT ON SHEET G0.0. THE CONTRACTOR SHALL ADEQUATELY PROTECT ALL EXISTING FINISHES SCHEDULED TO REMAIN ALONG THE ACCESS ROUTE AND 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.
- THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL CONSTRUCTION DEBRIS AND UNWANTED MATERIAL OFF SITE IN ACCORDANCE WITH ALL FEDERAL AND NEW YORK STATE APPLICABLE BUILDING AND LIFE AND SAFETY REGULATIONS.

**TOILET ROOM DEMOLITION KEY NOTES:**  
(NOT ALL NOTES USED ON EACH PLAN)

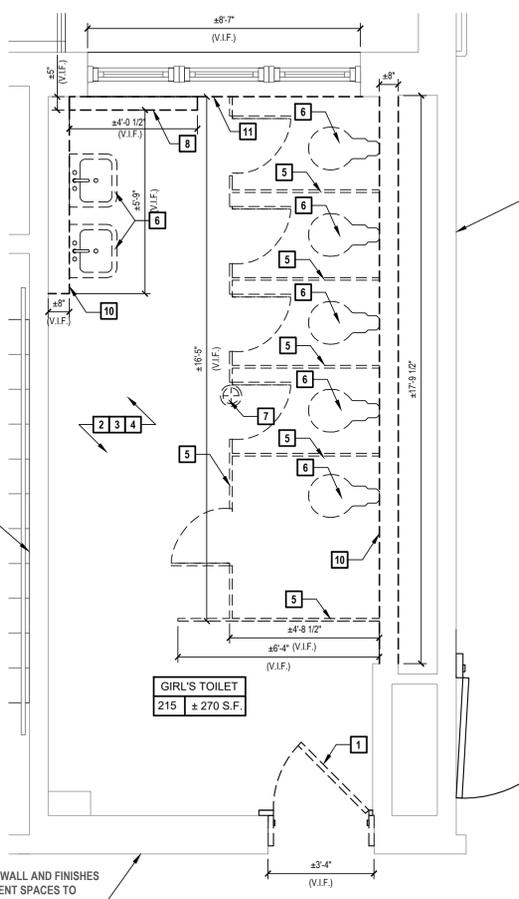
- REMOVE AND DISPOSE OF EXISTING DOOR, FRAME, HARDWARE, TRIM AND SADDLE. REMOVAL SHALL INCLUDE BUT NOT BE LIMITED TO ALL DEVICES USED TO SECURE DOOR AND FRAME IN PLACE. PREPARE EXISTING OPENING TO RECEIVE NEW CONSTRUCTION.
- EXISTING WALL FINISHES SHALL REMAIN IN PLACE U.N.O. PATCH AND PREPARE EXISTING SURFACES FOR NEW CONSTRUCTION AND FINISHES. LAMINATE OR FUR OUT OVER EXISTING SURFACE. REFER TO PLANS AND FINISH SCHEDULE FOR ADDITIONAL INFORMATION.
- EXISTING FLOORING SHALL REMAIN IN PLACE U.N.O. EXISTING WALL BASE SHALL BE REMOVED AND DISPOSED OF. PATCH AND PREPARE EXISTING SURFACES FOR NEW CONSTRUCTION AND FINISHES.
- REMOVE AND DISPOSE OF ALL EXISTING TOILET ACCESSORIES. REMOVAL SHALL INCLUDE BUT NOT BE LIMITED TO MIRRORS, SOAP DISPENSERS, SANITARY NAPKIN DISPOSAL, WALL MOUNTED AIR FRESHER AND HAND DRYERS.
- REMOVE AND DISPOSE OF EXISTING TOILET PARTITIONS. REMOVAL SHALL INCLUDE BUT NOT BE LIMITED TO TOILET PARTITIONS, BRACING, BRACKETS AND ALL DEVICES USED TO SECURE PARTITIONS IN PLACE.
- EXISTING PLUMBING FIXTURES ARE SCHEDULED FOR REMOVAL AND REPLACEMENT, SEE 'P' DRAWINGS FOR ADDITIONAL INFORMATION.
- EXISTING FLOOR DRAIN TO BE REMOVED AND REPLACED, SEE 'P' DRAWINGS FOR ADDITIONAL INFORMATION.
- EXISTING RADIATOR SCHEDULED TO BE REMOVED AND REPLACED, SEE 'H' DRAWINGS FOR ADDITIONAL INFORMATION.
- SAW CUT, REMOVE AND DISPOSE OF EXISTING MASONRY WALL CONSTRUCTION AS REQUIRED FOR REMOVAL OF EXISTING PLUMBING FIXTURES AND INSTALLATION OF NEW PLUMBING FIXTURES. THE CONTRACTOR SHALL TEMPORARILY SUPPORT MASONRY OPENING AS REQUIRED FOR INSTALLATION OF NEW WORK. SEE ABATEMENT DRAWINGS FOR SCOPE OF ABATEMENT REMOVAL.
- SAW CUT, REMOVE, AND DISPOSE OF EXISTING WALL CONSTRUCTION IN ITS ENTIRETY (LEAD ABATEMENT FOR ALL WALLS BEING DEMOLISHED / DISTURBED). EXISTING FLOOR, WALL AND CEILING STRUCTURAL FRAMING AND DECK TO RECEIVE NEW CONSTRUCTION AS SCHEDULED. PATCH EXISTING FLOOR, WALL AND CEILING IN AREAS WHERE WALLS ARE REMOVED WITH MATERIALS AND FINISHED TO MATCH EXISTING ADJACENT CONSTRUCTION. SEE ENVIRONMENTAL REPORT AND ABATEMENT DRAWINGS FOR ADDITIONAL INFORMATION.
- REMOVE AND DISPOSE OF EXISTING WOOD WINDOW STOOL AND APRON.

**LEGEND**

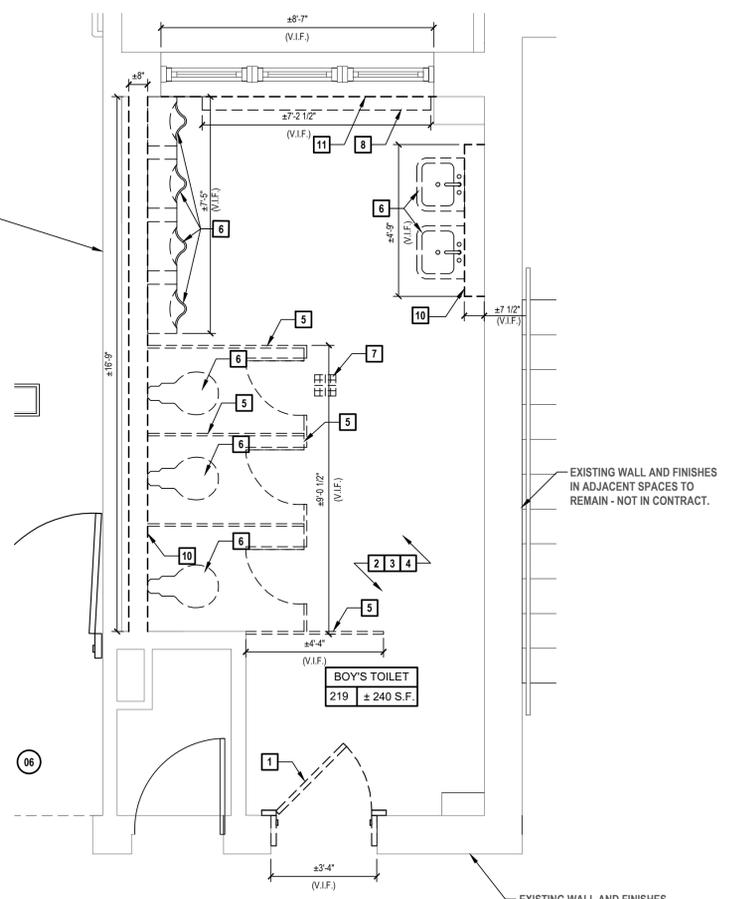
	NAME	ROOM DESIGNATION TAG	EXISTING WALL, PARTITION, FIXTURE OR ACCESSORY TO BE REMOVED
	NO. S.F.		
	CEILING HEIGHT TAG		EXISTING WALL TO REMAIN
	STOREFRONT DOOR TO BE REMOVED		EXISTING WINDOW TO REMAIN
	EXISTING DOOR TO REMAIN		



**Key Plan**  
SCALE: N.T.S.



**1 Girl's Toilet 215 Enlarged Demolition Plan**  
SCALE: 3/8"=1'-0"



**2 Boy's Toilet 219 Enlarged Demolition Floor Plan**  
SCALE: 3/8"=1'-0"

X:\wpd\white plains center school district - 10501\wpd\2007 - george washington k8k9 renovation\102-00-009-016-000\00-009-016-000.dwg, 11/03/2021, 1:27:00 PM, B. H. H. G.

CONSULTANTS:

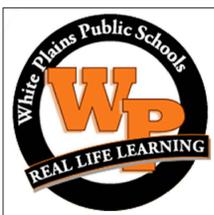
MARK	DATE	DESCRIPTION
-	11-03-21	FINAL BID SET



DESIGNED BY:	DRAWN BY:	CHECKED BY:	REVIEWED BY:
PROJECT NO.:	DATE:	SCALE:	
WPSPD 2007	NOVEMBER 2021	AS SHOWN	

CLIENT: **White Plains City School District**

Toilet Room Renovations at the George Washington Elementary School



100 Orchard Street  
White Plains NY, 10604

66-22-00-01-0-009-016

CONTRACT: **CONTRACT G  
GENERAL CONSTRUCTION**

STATUS: **FINAL BID DOCUMENT**

SHEET TITLE: **ENLARGED DEMOLITION BATHROOM PLANS**

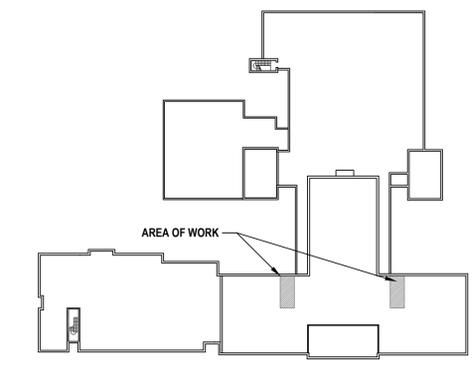
DRAWING No. **AD 101.00**

- GENERAL DEMOLITION NOTES:**
- ALL DEMOLITION WORK SHALL BE IN COMPLIANCE WITH ALL FEDERAL AND NEW YORK STATE APPLICABLE BUILDING AND LIFE AND SAFETY REGULATIONS.
  - CONTRACTORS ACCESS SHALL BE AS CALLED OUT ON SHEET G0.0. 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.
  - THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL CONSTRUCTION DEBRIS AND UNWANTED MATERIAL OFF SITE IN ACCORDANCE WITH ALL FEDERAL AND NEW YORK STATE APPLICABLE BUILDING AND LIFE AND SAFETY REGULATIONS.

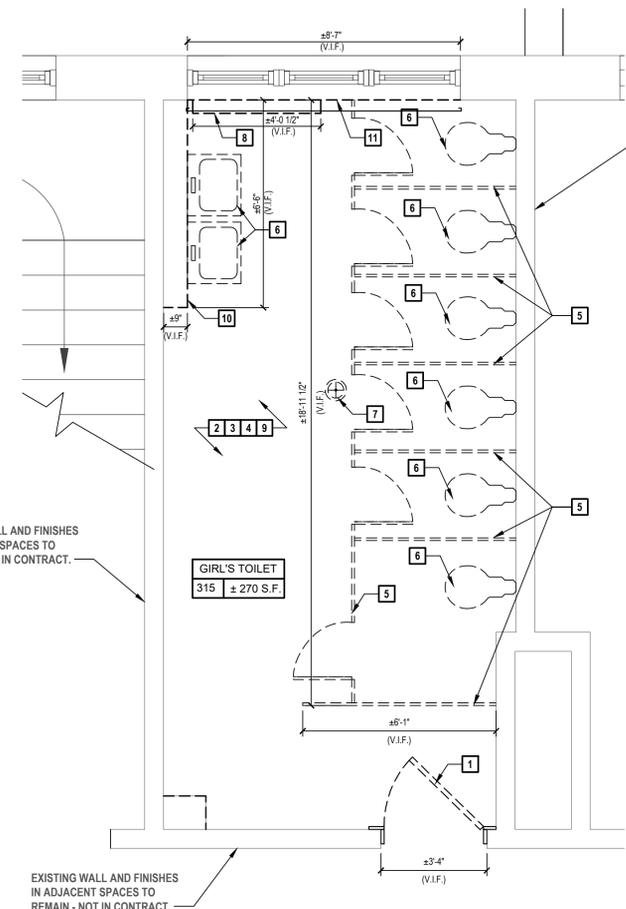
- TOILET ROOM DEMOLITION KEY NOTES:**  
(NOT ALL NOTES USED ON EACH PLAN)
- REMOVE AND DISPOSE OF EXISTING DOOR, FRAME, HARDWARE, TRIM AND SADDLE. REMOVAL SHALL INCLUDE BUT NOT BE LIMITED TO ALL DEVICES USED TO SECURE DOOR AND FRAME IN PLACE. PREPARE EXISTING OPENING TO RECEIVE NEW CONSTRUCTION.
  - EXISTING WALL FINISHES SHALL REMAIN IN PLACE U.N.O. PATCH AND PREPARE EXISTING SURFACES FOR NEW CONSTRUCTION AND FINISHES. LAMINATE OR FUR OUT OVER EXISTING SURFACE, REFER TO PLANS AND FINISH SCHEDULE FOR ADDITIONAL INFORMATION.
  - EXISTING FLOORING SHALL REMAIN IN PLACE U.N.O. EXISTING WALL BASE SHALL BE REMOVED AND DISPOSED OF. PATCH AND PREPARE EXISTING SURFACES FOR NEW CONSTRUCTION AND FINISHES.
  - REMOVE AND DISPOSE OF ALL EXISTING TOILET ACCESSORIES. REMOVAL SHALL INCLUDE BUT NOT BE LIMITED TO MIRRORS, SOAP DISPENSERS, SANITARY NAPKIN DISPOSAL, WALL MOUNTED AIR FRESHER AND HAND DRYERS.
  - REMOVE AND DISPOSE OF EXISTING TOILET PARTITIONS. REMOVAL SHALL INCLUDE BUT NOT BE LIMITED TO TOILET PARTITIONS, BRACING, BRACKETS AND ALL DEVICES USED TO SECURE PARTITIONS IN PLACE.
  - EXISTING PLUMBING FIXTURES ARE SCHEDULED FOR REMOVAL AND REPLACEMENT, SEE 'P' DRAWINGS FOR ADDITIONAL INFORMATION.
  - EXISTING FLOOR DRAIN TO BE REMOVED AND REPLACED, SEE 'P' DRAWINGS FOR ADDITIONAL INFORMATION.
  - EXISTING RADIATOR SCHEDULED TO BE REMOVED AND REPLACED, SEE 'H' DRAWINGS FOR ADDITIONAL INFORMATION.
  - SAW CUT, REMOVE AND DISPOSE OF EXISTING MASONRY WALL CONSTRUCTION AS REQUIRED FOR REMOVAL OF EXISTING PLUMBING FIXTURES AND INSTALLATION OF NEW PLUMBING FIXTURES. THE CONTRACTOR SHALL TEMPORARILY SUPPORT MASONRY OPENING AS REQUIRED FOR INSTALLATION OF NEW WORK. SEE ABATEMENT DRAWINGS FOR SCOPE OF ABATEMENT REMOVAL.
  - SAW CUT, REMOVE, AND DISPOSE OF EXISTING WALL CONSTRUCTION IN ITS ENTIRETY. PREPARE EXISTING FLOOR, WALL AND CEILING STRUCTURAL FRAMING AND DECK TO RECEIVE NEW CONSTRUCTION AS SCHEDULED. PATCH EXISTING FLOOR, WALL AND CEILING IN AREAS WHERE WALLS ARE REMOVED WITH MATERIALS AND FINISHED TO MATCH EXISTING ADJACENT CONSTRUCTION. SEE ABATEMENT DRAWINGS FOR WHICH PLASTER CEILING MUST BE REMOVED UNDER ABATEMENT.
  - REMOVE AND DISPOSE OF EXISTING WOOD WINDOW STOOL AND APRON.

**LEGEND**

NAME NO. S.F.	ROOM DESIGNATION TAG	EXISTING WALL, PARTITION, FIXTURE OR ACCESSORY TO BE REMOVED
8'-3"	CEILING HEIGHT TAG	EXISTING WALL TO REMAIN
[Symbol]	STOREFRONT DOOR TO BE REMOVED	EXISTING WINDOW TO REMAIN
[Symbol]	EXISTING DOOR TO REMAIN	



**Key Plan**  
SCALE: N.T.S.

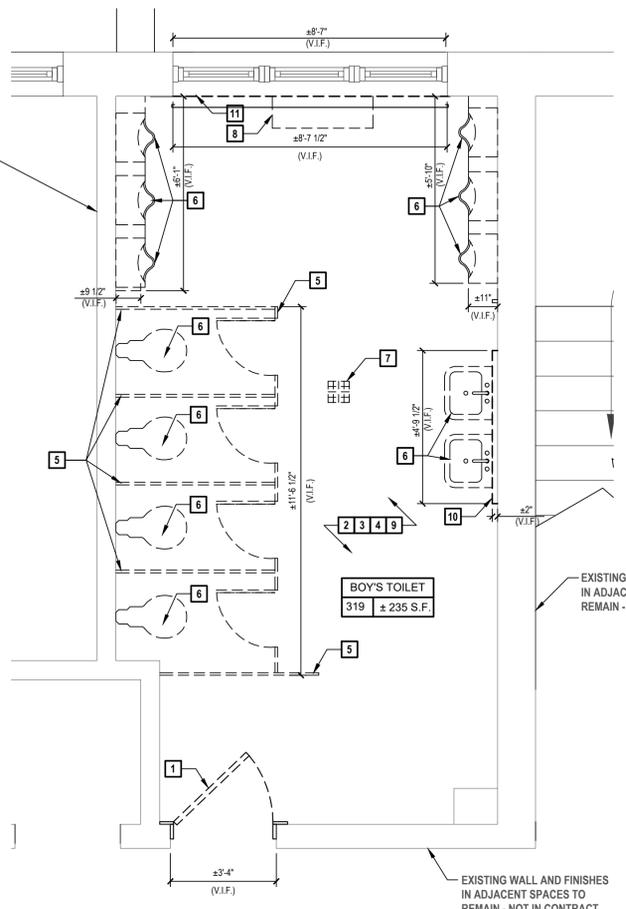


**3 Enlarged Demolition 315 Girl's Toilet**  
SCALE: 3/8"=1'-0"

EXISTING WALL AND FINISHES IN ADJACENT SPACES TO REMAIN - NOT IN CONTRACT.

EXISTING WALL AND FINISHES IN ADJACENT SPACES TO REMAIN - NOT IN CONTRACT.

EXISTING WALL AND FINISHES IN ADJACENT SPACES TO REMAIN - NOT IN CONTRACT.



**4 Enlarged Demolition 321 Boy's Toilet**  
SCALE: 3/8"=1'-0"

EXISTING WALL AND FINISHES IN ADJACENT SPACES TO REMAIN - NOT IN CONTRACT.

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CONSULTANTS:

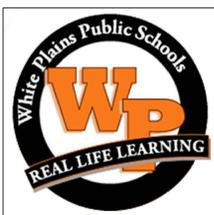
MARK	DATE	DESCRIPTION
-	11-03-21	FINAL BID SET



DESIGNED BY: CWP	DRAWN BY: MKS	CHECKED BY:	REVIEWED BY:
PROJECT NO.: WPSD 2007	DATE: NOVEMBER 2021	SCALE:	AS SHOWN

CLIENT  
**White Plains City School District**

Toilet Room Renovations at the George Washington Elementary School



100 Orchard Street  
White Plains NY, 10604

66-22-00-01-0-009-016

CONTRACT  
**CONTRACT G  
GENERAL CONSTRUCTION**

STATUS  
**FINAL BID DOCUMENT**

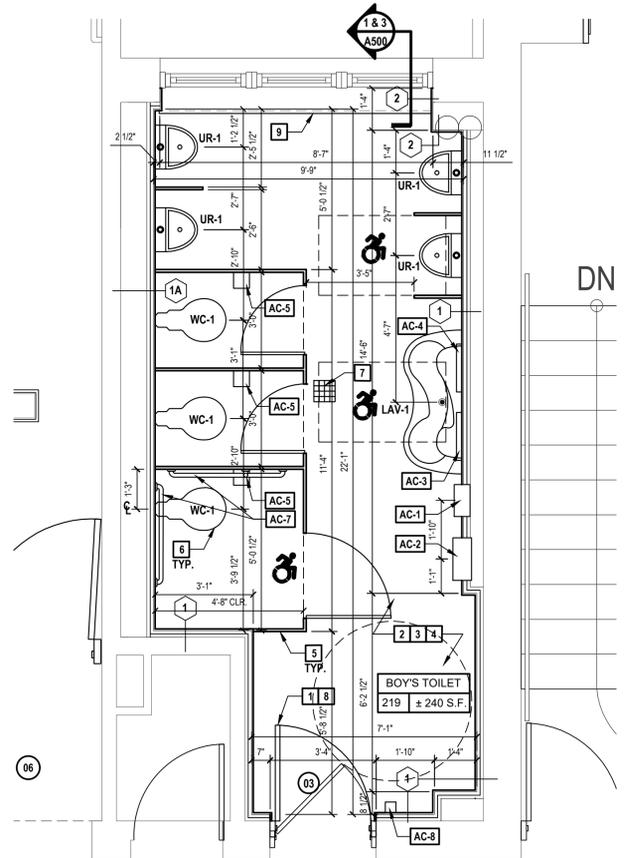
SHEET TITLE  
**ENLARGED BATHROOM  
PLANS**

DRAWING No.  
**A 101.00**

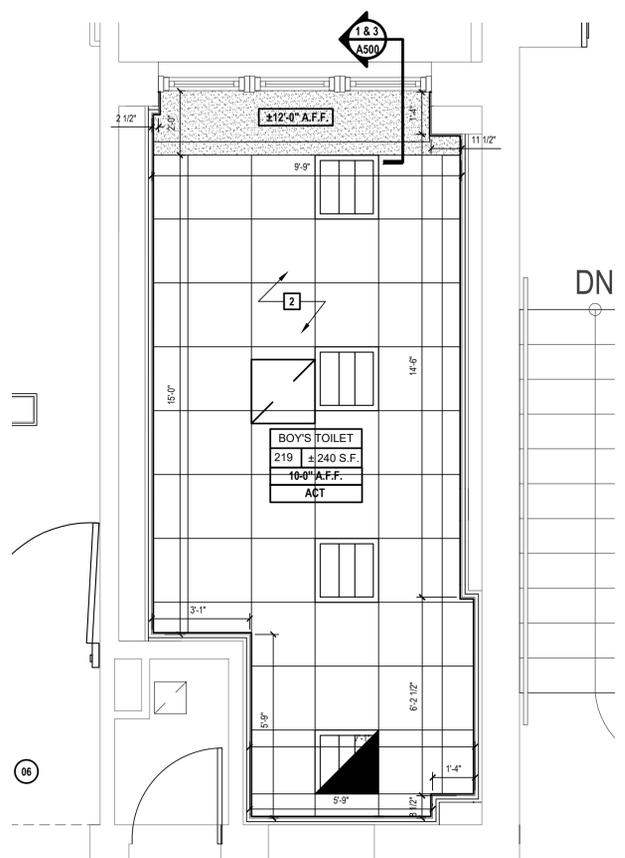
- NEW TOILET ROOM KEY NOTES:**  
(NOT ALL NOTES USED ON EACH PLAN)
- THE CONTRACTOR SHALL PROVIDE AND INSTALL NEW DOOR(S), FRAMES, HARDWARE TRIM AND SADDLE AS INDICATED, INCLUDING BUT NOT LIMITED TO FRAME, CLOSER, HARDWARE, WALL ANCHORS, AND ALL DEVICES USED TO SECURE THE DOORS AND FRAMES IN PLACE. SEE DOOR SCHEDULE AND DETAILS ON SHEET A6.0.
  - THE CONTRACTOR SHALL PROVIDE AND INSTALL NEW ACOUSTICAL CEILING SYSTEM AS INDICATED ON THE DRAWINGS, INCLUDING BUT NOT LIMITED TO CEILING TILES, GRID, RUNNERS, CROSS TEES, FURRING STRIPS, WALL ANGLES TRIM, HANGER WIRE, TIES AND ALL DEVICES USED TO SECURE THE CEILING IN PLACE. COORDINATE WITH 'H' AND 'E' CONTRACTORS REGARDING INSTALLATION OF CEILING MOUNTED ITEMS.
  - THE CONTRACTOR SHALL PROVIDE AND INSTALL NEW CERAMIC FLOOR TILE THROUGHOUT, INCLUDING BUILD UP OF NEW UNDERLAYMENT AS REQUIRED FOR ALIGNMENT OF NEW AND EXISTING ADJACENT FLOORS, INCLUDING BUT NOT LIMITED TO TILE, THIN SET, GROUT, BULLNOSE TILES, TRIM AND ALL DEVICES/MATERIAL 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.
  - THE CONTRACTOR SHALL PROVIDE AND INSTALL NEW CERAMIC WALL TILE OVER NEW 5/8" CEMENT BOARD ON NEW 2 1/2" GALV. METAL STUDS PER S/A4.2, INCLUDING BUT NOT LIMITED TO TILE, THINSET, GROUT, BULLNOSE TILES, TRIM AND ALL DEVICES/MATERIAL USED TO SECURE THE TILE FINISH IN PLACE. THE CONTRACTOR SHALL ALIGN AND PREPARE NEW AND EXISTING WALL TO PLUMB AS REQUIRED FOR COMPLETE AND PROPER INSTALLATION OF NEW TILE AND FINISHES.
  - THE CONTRACTOR SHALL PROVIDE AND INSTALL NEW WALL/FLOOR MOUNTED TOILET PARTITIONS AND ACCESSORIES, INCLUDING BUT NOT LIMITED TO TOILET PARTITIONS/DOORS, PRIVACY SCREENS, DISPENSERS, MIRRORS AND GRAB BARS, INCLUDING ALL RELATED FLANGES AND FITTINGS USED TO SECURE THESE ITEMS IN PLACE. REFER TO TOILET ACCESSORY SCHEDULE ON A4.2 FOR ADDITIONAL INFORMATION.
  - PLUMBING FIXTURES TO BE PROVIDED AND INSTALLED UNDER CONTRACT 'P'. COORDINATE W/ PLUMBING DRAWINGS.
  - NEW FLOOR DRAIN - COORDINATE WITH 'P' CONTRACT.
  - THE CONTRACTOR SHALL PATCH AND REPAIR ALL EXISTING WALLS, FLOORING AND CEILING DAMAGED DUE TO DEMOLITION IN AREA OF WORK TO MATCH ADJACENT FINISHES AND PREPARE OPENING FOR NEW DOOR AND FRAME CONSTRUCTION.
  - THE CONTRACTOR SHALL PROVIDE AND INSTALL NEW SOLID SURFACE WINDOW STOOL.
- NOTES:  
'G' CONTRACTOR SHALL COORDINATE WITH 'H', 'P' AND 'E' CONTRACTORS REGARDING INSTALLATION OF NEW ITEMS THROUGHOUT SPACE.  
'G' CONTRACTOR SHALL PATCH AND PREPARE SLAB/FLOORING AS NECESSARY FOR ALL NEW FIXTURES, EQUIPMENT AND FINISHES.  
'G' CONTRACTOR SHALL COORDINATE LAYOUT OF NEW EQUIPMENT AND ACCESSORIES WITH ALL WALL-MOUNTED ITEMS AND FINISHED SURFACES.

**LEGEND**

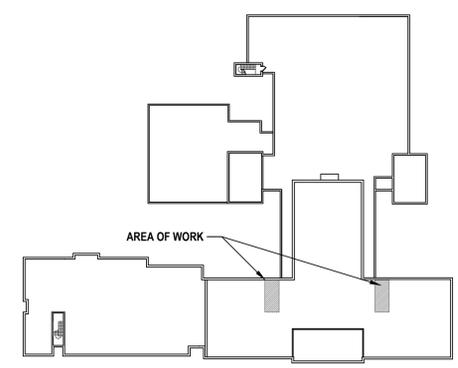
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NAME					
NO. S.F.					
	CEILING HEIGHT TAG		INDICATES AREA OF GYPSUM WALL BOARD (PAINT)		
	WALL TYPE - SEE PARTITION SCHEDULE ON SHEET A0.0		LIGHTING FIXTURES, COORDINATE WITH 'E' DRAWINGS		
	EXISTING WALL TO REMAIN		EMERGENCY LIGHTING FIXTURES COORDINATE WITH 'E' DRAWINGS		
	EXISTING WINDOW TO REMAIN		HVAC REGISTER COORDINATE WITH 'H' DRAWINGS		
	NEW DOOR AND FRAME WITH DESIGNATION TAG - REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.				



**1 Enlarged 219 Boy's Toilet Plan**  
SCALE: 3/8"=1'-0"

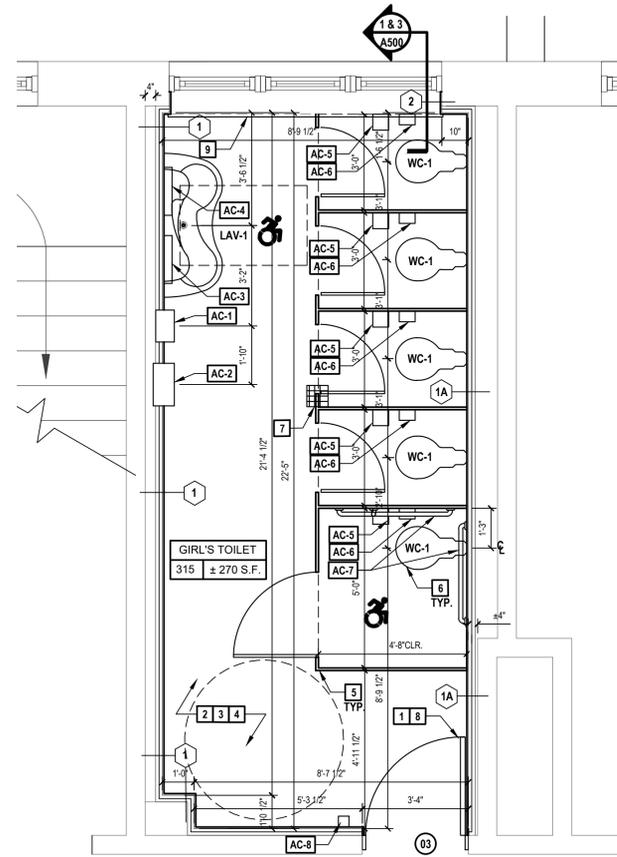


**2 Enlarged 219 Boy's Toilet Reflected Ceiling Plan**  
SCALE: 3/8"=1'-0"

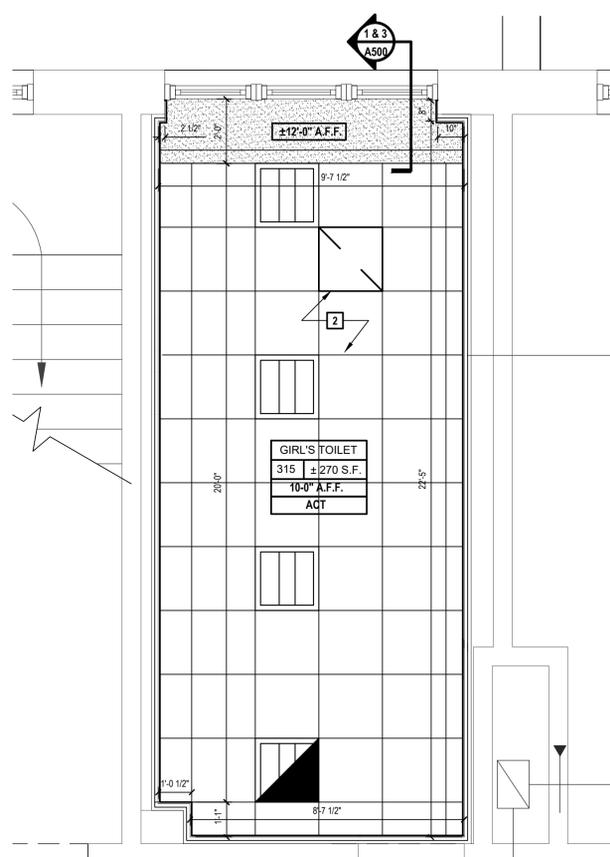


**Key Plan**  
SCALE: N.T.S.

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1 Enlarged 315 Girl's Toilet Plan  
SCALE: 3/8"=1'-0"



2 Enlarged 315 Girl's Toilet Reflected Ceiling Plan  
SCALE: 3/8"=1'-0"

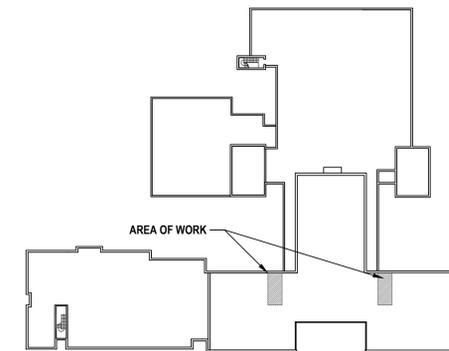
**NEW TOILET ROOM KEY NOTES:**

(NOT ALL NOTES USED ON EACH PLAN)

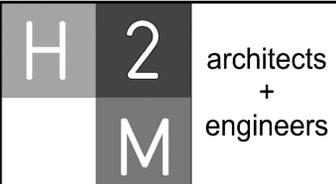
- 1 THE CONTRACTOR SHALL PROVIDE AND INSTALL NEW DOOR(S), FRAMES, HARDWARE TRIM AND SADDLE AS INDICATED, INCLUDING BUT NOT LIMITED TO FRAME, CLOSER, HARDWARE, WALL ANCHORS, AND ALL DEVICES USED TO SECURE THE DOORS AND FRAMES IN PLACE. SEE DOOR SCHEDULE AND DETAILS ON SHEET A6.0.
  - 2 THE CONTRACTOR SHALL PROVIDE AND INSTALL NEW ACOUSTICAL CEILING SYSTEM AS INDICATED ON THE DRAWINGS, INCLUDING BUT NOT LIMITED TO CEILING TILES, GRID, RUNNERS, CROSS TEES, FURRING STRIPS, WALL ANGLES TRIM, HANGER WIRE, TIES AND ALL DEVICES USED TO SECURE THE CEILING IN PLACE. COORDINATE WITH 'H' AND 'E' CONTRACTORS REGARDING INSTALLATION OF CEILING MOUNTED ITEMS.
  - 3 THE CONTRACTOR SHALL PROVIDE AND INSTALL NEW CERAMIC FLOOR TILE THROUGHOUT, INCLUDING BUILD UP OF NEW UNDERLAYMENT AS REQUIRED FOR ALIGNMENT OF NEW AND EXISTING ADJACENT FLOORS, INCLUDING BUT NOT LIMITED TO TILE, THIN SET, GROUT, BULLNOSE TILES, TRIM 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.
  - 4 THE CONTRACTOR SHALL PROVIDE AND INSTALL NEW CERAMIC WALL TILE OVER NEW 5/8" CEMENT BOARD ON NEW 2 1/2" GALV. METAL STUDS PER S/A4.2, INCLUDING BUT NOT LIMITED TO TILE, THINSET, GROUT, BULLNOSE TILES, TRIM AND ALL DEVICES/MATERIAL USED TO SECURE THE TILE FINISH IN PLACE. THE CONTRACTOR SHALL ALIGN AND PREPARE NEW AND EXISTING WALL TO PLUMB AS REQUIRED FOR COMPLETE AND PROPER INSTALLATION OF NEW TILE AND FINISHES.
  - 5 THE CONTRACTOR SHALL PROVIDE AND INSTALL NEW WALL/FLOOR MOUNTED TOILET PARTITIONS AND ACCESSORIES, INCLUDING BUT NOT LIMITED TO TOILET PARTITIONS/DOORS, PRIVACY SCREENS, DISPENSERS, MIRRORS AND GRAB BARS, INCLUDING ALL RELATED FLANGES AND FITTINGS USED TO SECURE THESE ITEMS IN PLACE. REFER TO TOILET ACCESSORY SCHEDULE ON A4.2 FOR ADDITIONAL INFORMATION.
  - 6 PLUMBING FIXTURES TO BE PROVIDED AND INSTALLED UNDER CONTRACT 'P'. COORDINATE W/ PLUMBING DRAWINGS.
  - 7 NEW FLOOR DRAIN - COORDINATE WITH 'P' CONTRACT.
  - 8 THE CONTRACTOR SHALL PATCH AND REPAIR ALL EXISTING WALLS, FLOORING AND CEILING DAMAGED DUE TO DEMOLITION IN AREA OF WORK TO MATCH ADJACENT FINISHES AND PREPARE OPENING FOR NEW DOOR AND FRAME CONSTRUCTION.
  - 9 THE CONTRACTOR SHALL PROVIDE AND INSTALL NEW SOLID SURFACE WINDOW STOOL.
- NOTES:  
 'G' CONTRACTOR SHALL COORDINATE WITH 'H', 'P' AND 'E' CONTRACTORS REGARDING INSTALLATION OF NEW ITEMS THROUGHOUT SPACE.  
 'G' CONTRACTOR SHALL PATCH AND PREPARE SLAB/FLOORING AS NECESSARY FOR ALL NEW FIXTURES, EQUIPMENT AND FINISHES.  
 'G' CONTRACTOR SHALL COORDINATE LAYOUT OF NEW EQUIPMENT AND ACCESSORIES WITH ALL WALL-MOUNTED ITEMS AND FINISHED SURFACES.

**LEGEND**

	SECTION / ELEVATION INDICATOR		INDICATES ACCESSORY DESIGNATION TAG
	ROOM DESIGNATION TAG		INDICATES AREA OF 2X2 ACOUSTICAL CEILING TILE SYSTEM
	CEILING HEIGHT TAG		INDICATES AREA OF GYPSUM WALL BOARD (PAINT)
	WALL TYPE - SEE PARTITION SCHEDULE ON SHEET A0.0		LIGHTING FIXTURES, COORDINATE WITH 'E' DRAWINGS
	EXISTING WALL TO REMAIN		EMERGENCY LIGHTING FIXTURES COORDINATE WITH 'E' DRAWINGS
	EXISTING WINDOW TO REMAIN		HVAC REGISTER COORDINATE WITH 'H' DRAWINGS
	NEW DOOR AND FRAME WITH DESIGNATION TAG - REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.		



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



2700 Westchester Ave., Suite 415  
Purchase, NY 10577  
914.358.5623 • www.h2m.com

CONSULTANTS:

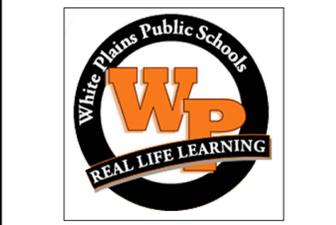
MARK	DATE	DESCRIPTION
-	11-03-21	FINAL BID SET



DESIGNED BY: CWP	DRAWN BY: MKS	CHECKED BY:	REVIEWED BY:
PROJECT NO.: WPSD 2007	DATE: NOVEMBER 2021	SCALE:	AS SHOWN

CLIENT  
**White Plains City School District**

Toilet Room Renovations at the George Washington Elementary School



100 Orchard Street  
White Plains NY, 10604  
66-22-00-01-0-009-016

CONTRACT  
**CONTRACT G  
GENERAL CONSTRUCTION**

STATUS  
**FINAL BID DOCUMENT**

SHEET TITLE  
**ENLARGED BATHROOM PLANS**

DRAWING No.  
**A 102.00**

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**DOOR SCHEDULE**

DOOR NO.	LOCATION	DOOR OPENING SIZE	DOOR TYPE	DOOR MATERIAL	FRAME TYPE	DETAILS			FIRE RATING	HARDWARE SET	REMARKS
						HEAD	JAMB	SADDLE			
<b>FIRST FLOOR</b>											
01	ART ROOM	3'-6" X 7'-0"	C	WD	HM	2H / A600.00	2J / A600.00	-	45 MIN.	03	
<b>SECOND FLOOR</b>											
02	GIRLS BATHROOM 215	3'-0" X 7'-0"	A	WD	HM	1H / A600.00	1J / A600.00	S1 / A600.00	45 MIN.	01	
03	BOYS BATHROOM 219	3'-0" X 7'-0"	A	WD	HM	1H / A600.00	1J / A600.00	S1 / A600.00	45 MIN.	01	
04	CORRIDOR	(2) 2'-10" X 7'-0"	B	WD	HM	2H / A600.00	2J / A600.00	-	45 MIN.	02	CENTER DOOR IN OPENING. CONTRACTOR SHALL PROVIDE MAGNETIC HOLD OPENS AND ALL ELECTRICAL REQUIRED AS NECESSARY TO BE PROVIDED AND TIED INTO EXISTING DISTRICT ALARM SYSTEM
05	CORRIDOR	(2) 3'-9" X 7'-0"	B	WD	HM	2H / A600.00	2J / A600.00	-	45 MIN.	02	CENTER DOOR IN OPENING. CONTRACTOR SHALL PROVIDE MAGNETIC HOLD OPENS AND ALL ELECTRICAL REQUIRED AS NECESSARY TO BE PROVIDED AND TIED INTO EXISTING DISTRICT ALARM SYSTEM
06	CORRIDOR	(2) 3'-9" X 7'-0"	B	WD	HM	2H / A600.00	2J / A600.00	-	45 MIN.	02	CENTER DOOR IN OPENING. CONTRACTOR SHALL PROVIDE MAGNETIC HOLD OPENS AND ALL ELECTRICAL REQUIRED AS NECESSARY TO BE PROVIDED AND TIED INTO EXISTING DISTRICT ALARM SYSTEM
<b>THIRD FLOOR</b>											
07	GIRLS BATHROOM 315	3'-0" X 7'-0"	A	WD	HM	1A / A600.00	1B / A600.00	S1 / A600.00	45 MIN.	01	
08	BOYS BATHROOM 319	3'-0" X 7'-0"	A	WD	HM	1A / A600.00	1B / A600.00	S1 / A600.00	45 MIN.	01	

**GENERAL DOOR NOTES:**

- THE CONTRACTOR IS RESPONSIBLE TO REPLACE ALL DOOR FRAMES AND DOORS AS NOTED ON THE DOOR SCHEDULE. THE CONTRACTOR IS RESPONSIBLE TO FIELD VERIFY ALL DOOR FRAME SIZES ADJACENT WALL CONSTRUCTION AND ALL DOOR SIZES PRIOR TO THE SUBMISSION OF SHOP DRAWINGS. NOTIFY THE ARCHITECT IN WRITING OF ANY DISCREPANCIES PRIOR TO THE SUBMISSION OF SHOP DRAWINGS.
- ALL INTERIOR DOORS SHALL HAVE A 1/2" UNDERCUT. UNDERCUT SHALL BE MEASURED FROM TOP OF SADDLE.

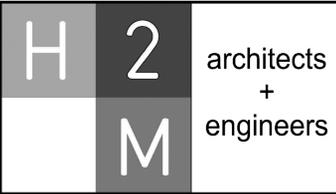
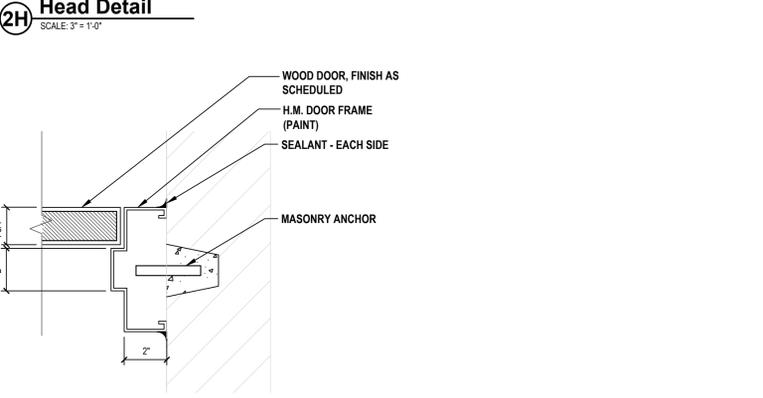
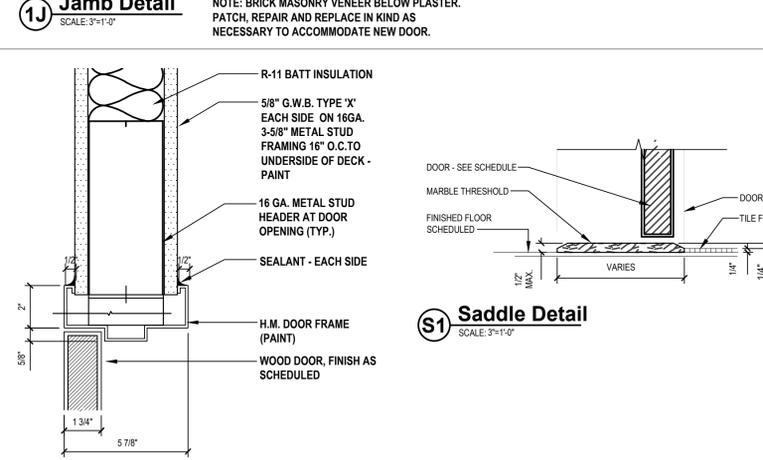
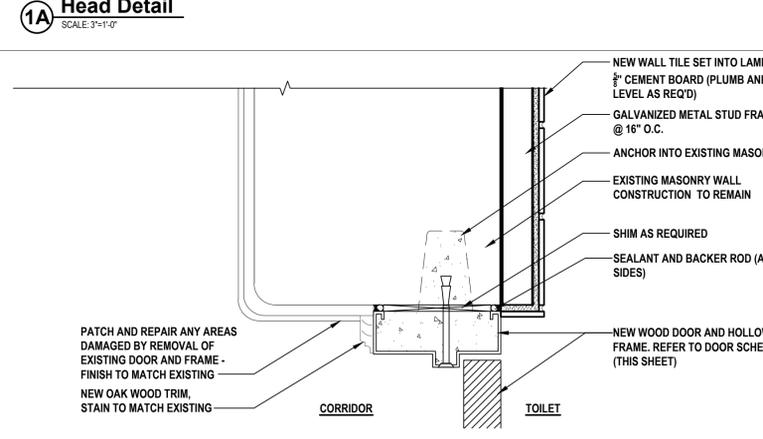
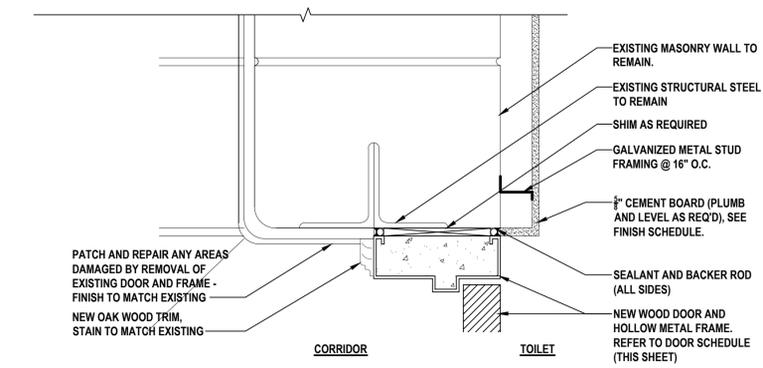
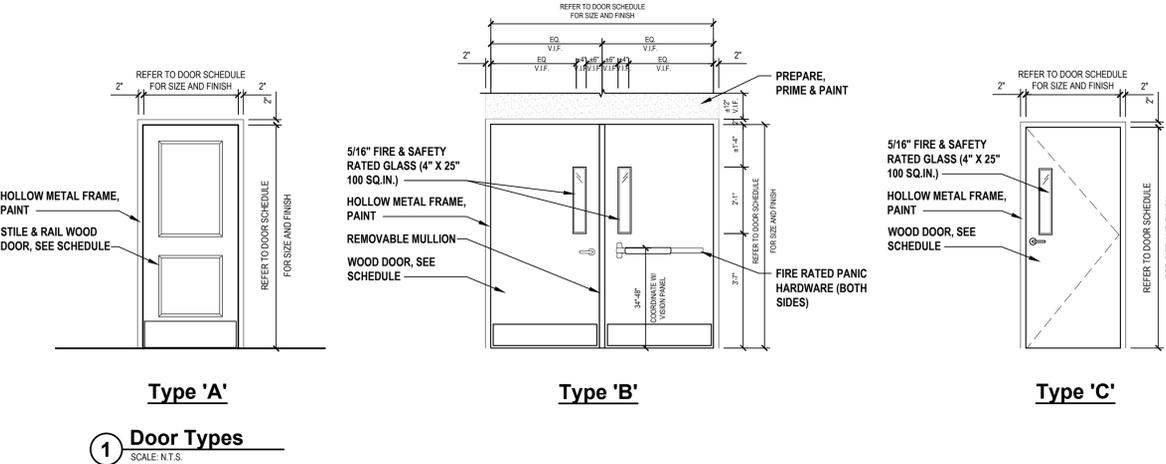
FIRE DOOR CLASSIFIED OPENINGS	
RATING	GLASS SIZE PERMITTED
3 Hrs.	NONE
1[1/2] Hrs.	100 sq.in. / DOOR LEAF
[3/4] Hr.	1296 sq.in. / DOOR LEAF
1[1/2] Hrs.	NONE
[3/4] Hr.	1296 sq.in.

**FINISH SCHEDULE**

ROOM NAME / NO.	FLOOR FINISH	BASE	NORTH WALL		EAST WALL		SOUTH WALL		WEST WALL		CEILING			REMARKS	
			MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	FINISH	HEIGHT		
<b>SECOND FLOOR</b>															
215	GIRLS BATHROOM	PC	PC	CB	CT / PC / PT	ACT / GYP	PT	10'-0"	SOFFIT - PREPARE, PRIME & PAINT						
219	BOYS BATHROOM	PC	PC	CB	CT / PC / PT	ACT / GYP	PT	10'-0"	SOFFIT - PREPARE, PRIME & PAINT						
<b>THIRD FLOOR</b>															
215	GIRLS BATHROOM	PC	PC	CB	CT / PC / PT	ACT / GYP	PT	10'-0"	SOFFIT - PREPARE, PRIME & PAINT						
219	BOYS BATHROOM	PC	PC	CB	CT / PC / PT	ACT / GYP	PT	10'-0"	SOFFIT - PREPARE, PRIME & PAINT						

**FINISH ABBREVIATIONS:**

ACT = ACOUSTICAL CEILING TILE	GYP = GYPSUM BOARD
BR = BRICK	MR = MOISTURE RESISTANT GYPSUM BOARD
CB = CEMENT BACKER BOARD	PC = PORCELAIN TILE
CMU = CONCRETE MASONRY UNIT	PLAS = VENEER PLASTER FINISH
CONC = CONCRETE	PT = PAINT
CT = CERAMIC TILE	TERR = TERRAZZO
(E) = EXISTING	WD = WOOD



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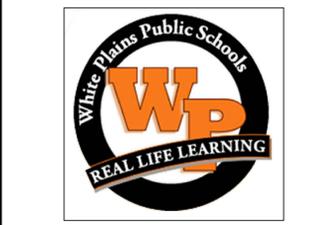
MARK	DATE	DESCRIPTION
-	11-03-21	FINAL BID SET



DESIGNED BY: CWP  
DRAWN BY: MKS  
CHECKED BY:  
REVIEWED BY:  
PROJECT NO.: WPSD 2007  
DATE: NOVEMBER 2021  
SCALE: AS SHOWN

**White Plains City School District**

**Toilet Room Renovations at the George Washington Elementary School**



100 Orchard Street  
White Plains NY, 10604  
66-22-00-01-0-009-016

CONTRACT  
**CONTRACT G  
GENERAL CONSTRUCTION**

STATUS  
**FINAL BID DOCUMENT**

SHEET TITLE  
**DOOR SCHEDULE,  
DETAILS & FINISH  
SCHEDULE**

DRAWING No.  
**A 600.00**

X:\wpd\white plains center school\edit\10501\wpd\2007 - george washington toilet room renovations\102\wpd\cadd\door schedule.dwg Last Modified: Nov 02, 2021 - 1:23pm By: bkg

**ABBREVIATIONS**

AFF	ABOVE FINISHED FLOOR
BCU	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	FULL LOAD AMPS
FT. H2O	FEET OF WATER
'G'	GENERAL CONSTRUCTION CONTRACTOR
GPM	GALLONS PER MINUTE
GPH	GALLONS PER HOUR
H	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
LWB	LEAVING WET BULB TEMPERATURE
LWT	LEAVING WATER TEMPERATURE
M	METER
MAX	MAXIMUM
MBH	1,000 BTU PER HOUR
MCA	MINIMUM CIRCUIT AMPACITY
MIN	MINIMUM
MANF	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
PD	PRESSURE DROP
PSIG	LBS / SQUARE INCH (GAUGE PRESSURE)
RD	ROOF DRAIN
RPM	REVOLUTIONS PER MINUTE
RPZ	REDUCED PRESSURE ZONE
SAT	SUPPLY AIR TEMPERATURE
SEER	SEASONAL ENERGY EFFICIENCY RATING
TEMP	TEMPERATURE
TG	TRANSFER GRILLE
TYP	TYPICAL
VFD	VARIABLE FREQUENCY DRIVE
W	WIDTH
WB	WET BULB
WMS	WIRE MESH SCREEN

**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
	SEE AIR DEVICE SCHEDULE	BOTTOM RETURN OR EXHAUST GRILLE/REGISTER
	FC	FLEXIBLE CONNECTION
		TURNING VANES
		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	DUCT SMOKE DETECTOR
	MD	MOTORIZED DAMPER WITH ACTUATOR
	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	ABBREV	DESCRIPTION
	C	CARBON MONOXIDE SENSOR
	T	THERMOSTAT
	S	DIGITAL TEMPERATURE SENSOR
	H	HUMIDITY SENSOR
	CO2	CARBON DIOXIDE SENSOR
	P	PRESSURE SENSOR

**PIPING LEGEND**

SYMBOL	ABBREV	DESCRIPTION
		NEW WORK
		PIPING DOWN/ PIPING UP
		BALL VALVE WITH HOSE END CONNECTION
	TH	THERMOMETER
	U	UNION
	FPC	FLEXIBLE PIPE CONNECTION
		DIRECTION OF FLOW
	PSR	PRESSURE SAFETY AND RELIEF VALVE
	PRV	PRESSURE REDUCING VALVE
	BV	BALL VALVE
	BA	BALANCING VALVE
	BFV	BUTTERFLY VALVE
		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
	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
		AIR SEPARATOR
	F&T	STEAM TRAPS (INDICATE TYPE)
	CH	CHECK VALVE
	PG	PRESSURE GAUGE WITH GAUGE COCK
	RED	REDUCER
	CO	CLEANOUT END CAP
		PIPE GUIDE
		PIPE ANCHOR
		CAPPED PIPE
		PUMP
		WORK TO BE REMOVED
		POINT OF DISCONNECTION FROM EXISTING
		POINT OF CONNECTION TO EXISTING
	TDV	TRIPLE DUTY VALVE

**GENERAL NOTES**

- 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 2020 MECHANICAL CODE OF NEW YORK STATE.
- 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.
- 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.
- COMPLY WITH THE NATIONAL ELECTRIC CODE AND THE REQUIREMENTS OF DIVISION 26 FOR ALL ELECTRICAL INSTALLATIONS.
- 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.
- 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. CONTRACTORS 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 EQUIPMENT.
- MAINTAIN MAXIMUM HEADROOM AND SPACE CONDITIONS AT ALL POINTS, WHERE HEADROOM AND SPACE CONDITIONS APPEAR INADEQUATE. NOTIFY THE ARCHITECT/ENGINEER PRIOR TO PROCEEDING WITH INSTALLATION. MAINTAIN A MINIMUM OF 6'-8" CLEARANCE FROM FINISHED FLOOR TO UNDERSIDE OF PIPES, DUCTS, CONDUITS, SUSPENDED EQUIPMENT, ETC., THROUGHOUT ACCESS ROUTES IN MECHANICAL ROOMS.
- 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.
- 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.
- 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.
- COORDINATE ALL EQUIPMENT CONNECTIONS WITH MANUFACTURER'S CERTIFIED DRAWINGS. COORDINATE AND PROVIDE ALL PIPING AND DUCT TRANSITIONS REQUIRED FOR FINAL CONNECTIONS TO EQUIPMENT.
- COORDINATE LOCATIONS AND SIZES OF ALL FLOOR, WALL, AND ROOF OPENINGS WITH ALL OTHER TRADES. COORDINATE ALL PIPING AND EQUIPMENT SUPPORTED FROM STRUCTURE WITH GENERAL CONSTRUCTION WORK.
- COORDINATE INSTALLATION OF SUPPLY AND RETURN GRILLES WITH INSTALLATION OF FINISHED CEILINGS.
- COMPLETE ALL PRESSURE TESTS BEFORE ANY MECHANICAL EQUIPMENT, DUCTWORK, OR PIPING INSULATION IS APPLIED.
- 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.
- 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.
- PROVIDE CONCRETE PADS A MINIMUM OF 6 INCHES HIGH FOR ALL FLOOR MOUNTED EQUIPMENT. EXTEND PAD 4 INCHES BEYOND THE EQUIPMENT ON ALL SIDES.
- INTERNALLY LINE ALL SUPPLY AND RETURN DUCTWORK WITHIN 20 FEET UPSTREAM AND DOWNSTREAM OF FANS WITH 1" THICK INSULATION. INTERNALLY LINED DUCTWORK MEETING THIS REQUIREMENT SHALL ALSO BE PROVIDED WITH EXTERNALLY APPLIED INSULATION AS REQUIRED BY THE SPECIFICATIONS. SEE SPECIFICATION SECTION 230719 FOR ADDITIONAL REQUIREMENTS.
- 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.
- INSTALL PIPING, DUCTWORK, AND CONDUIT CONCEALED IN AREAS HAVING HUNG CEILINGS AND/OR FURRED SPACES UNLESS OTHERWISE INDICATED ON THE DRAWINGS.

**WORK IN EXISTING AREAS**

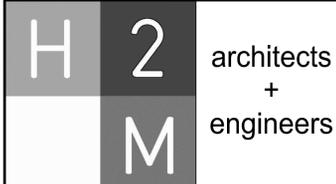
- EXISTING CONDITIONS, INCLUDING EQUIPMENT, DUCT AND PIPE SIZES AND LOCATIONS, INDICATED ON THE DRAWINGS ARE DIAGRAMMATIC. CONFIRM ALL EXISTING CONDITIONS PRIOR TO PROCEEDING WITH THE WORK.
- CUT AND ROUGH PATCH EXISTING CONSTRUCTION AS REQUIRED FOR THE PERFORMANCE OF THE WORK. FINISH PATCHING AND FLASHING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

**CONTRACT 'H' SCOPE NOTES (HVAC OR MECHANICAL)**

- ALL REFERENCES TO OTHER CONTRACTS AND DIVISIONS INCLUDING BUT NOT LIMITED TO, 'G', 'P', 'E', AND DIVISION 26, ARE ALL TO BE BID AS PART OF THE 'H' SCOPE AND BID FOR THIS PROJECT.
- PROVIDE ALL LOUVERS FOR INSTALLATION BY CONTRACT 'G'. SUBMIT LOUVER COLOR AND CONFIGURATION TO THE ARCHITECT/ENGINEER FOR APPROVAL.
- INSTALL SMOKE DETECTORS IN DUCTWORK FOR AIR HANDLING UNITS RATED AT 2,000 CFM OR GREATER. SMOKE DETECTOR SUPPLY AND WIRING IS PART OF CONTRACT 'E'.
- FURNISH AND INSTALL ALL NECESSARY CONTROL WIRING, CONDUIT, AND ACCESSORIES AS REQUIRED TO PROVIDE FULLY FUNCTIONING SYSTEMS AND SEQUENCES OF OPERATION.
- FURNISH ALL LINTELS FOR DUCT AND PIPE PENETRATIONS IN INTERIOR MASONRY WALLS FOR INSTALLATION BY CONTRACT 'G'.
- FURNISH ALL SLEEVES FOR PIPE AND CONDUIT FLOOR, WALL, PARTITION, AND ROOF PENETRATIONS FOR INSTALLATION BY CONTRACT 'G'.
- FURNISH ALL CURBS FOR ALL ROOF MOUNTED EQUIPMENT AND DUCT PENETRATIONS FOR INSTALLATION BY CONTRACT 'G'.
- REMOVE CHASE ENCLOSURE COVER WHEN PERFORMING WORK IN ANY CHASE, AND REINSTALL THE CHASE ENCLOSURE COVER WHEN WORK IS COMPLETE.
- PERFORM ALL CUTTING AND ROUGH PATCHING AS REQUIRED IN THE EXECUTION OF THE WORK. FINISH PATCHING AND FLASHING IS PART OF CONTRACT 'G'.

**LEGENDS/ABBREVIATIONS NOTES**

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



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MARK	DATE	DESCRIPTION
-	11-03-21	FINAL BID SET

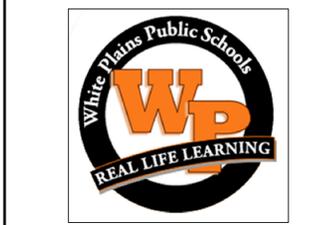
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DESIGNED BY: JSK	DRAWN BY: JSK	CHECKED BY:	REVIEWED BY:
PROJECT NO.: WPSD 2007	DATE: NOVEMBER 2021	SCALE: AS SHOWN	

**White Plains City School District**

**Toilet Room Renovations at the George Washington Elementary School**



100 Orchard Street  
White Plains NY, 10604

66-22-00-01-0-009-016

**CONTRACT G  
GENERAL CONSTRUCTION**

**STATUS  
FINAL BID DOCUMENT**

**SHEET TITLE  
MECHANICAL  
LEGENDS AND SCHEDULES**

**DRAWING No.  
M 001.00**

CONSULTANTS:

MARK	DATE	DESCRIPTION
	11-03-21	FINAL BID SET



DESIGNED BY: JSK	DRAWN BY: JSK	CHECKED BY:	REVIEWED BY:
PROJECT NO.: WPSD 2007	DATE: NOVEMBER 2021	SCALE: AS SHOWN	

CLIENT  
**White Plains City School District**

Toilet Room Renovations at the George Washington Elementary School



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White Plains NY, 10604

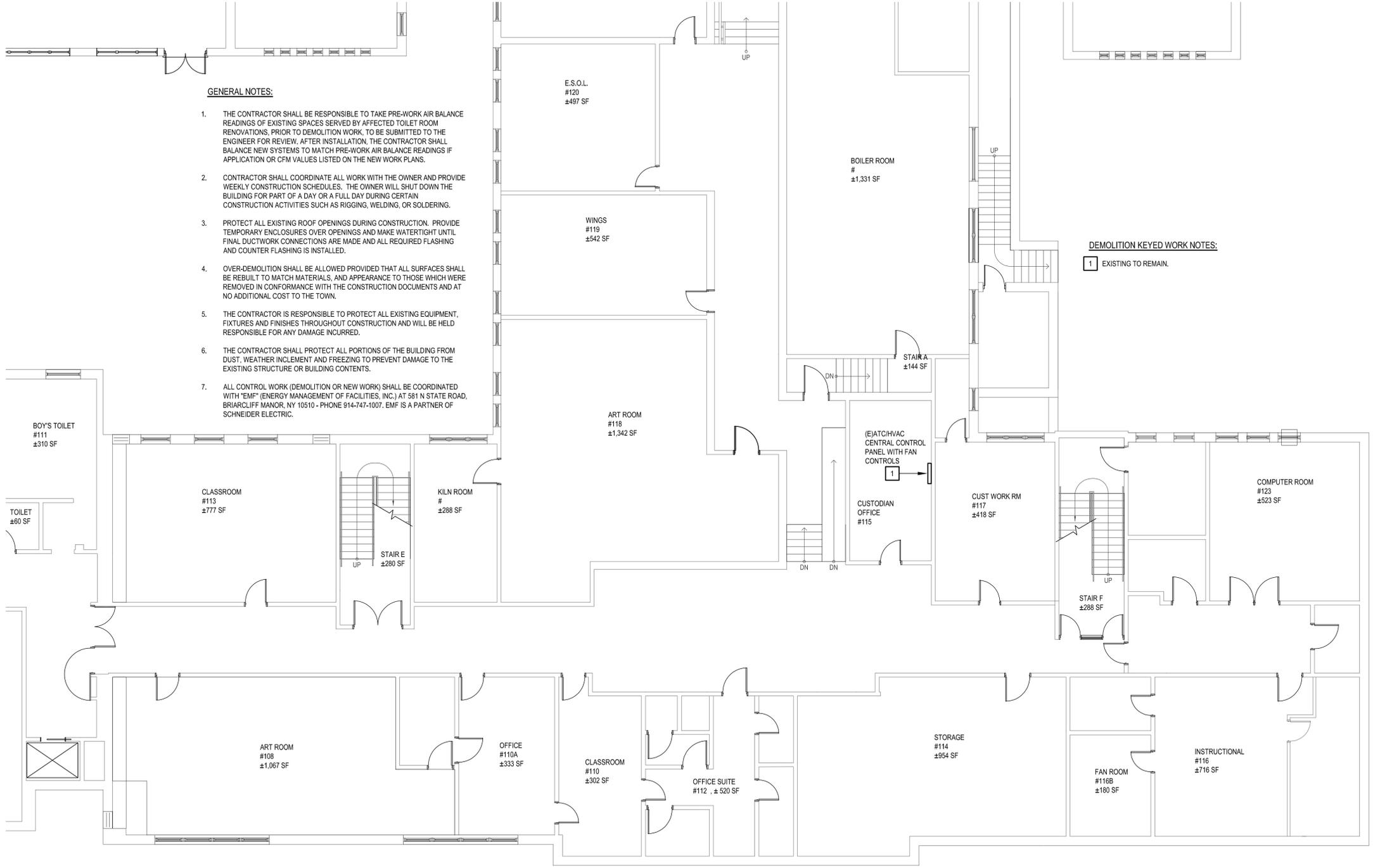
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CONTRACT  
**CONTRACT G  
GENERAL CONSTRUCTION**

STATUS  
**FINAL BID DOCUMENT**

SHEET TITLE  
**MECHANICAL  
DEMOLITION PLAN  
FIRST FLOOR**

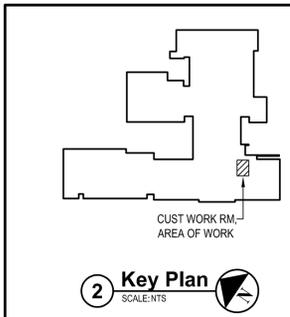
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**MD 100.00**



- GENERAL NOTES:**
1. THE CONTRACTOR SHALL BE RESPONSIBLE TO TAKE PRE-WORK AIR BALANCE READINGS OF EXISTING SPACES SERVED BY AFFECTED TOILET ROOM RENOVATIONS, PRIOR TO DEMOLITION WORK, TO BE SUBMITTED TO THE ENGINEER FOR REVIEW. AFTER INSTALLATION, THE CONTRACTOR SHALL BALANCE NEW SYSTEMS TO MATCH PRE-WORK AIR BALANCE READINGS IF APPLICATION OR CFM VALUES LISTED ON THE NEW WORK PLANS.
  2. CONTRACTOR SHALL COORDINATE ALL WORK WITH THE OWNER AND PROVIDE WEEKLY CONSTRUCTION SCHEDULES. THE OWNER WILL SHUT DOWN THE BUILDING FOR PART OF A DAY OR A FULL DAY DURING CERTAIN CONSTRUCTION ACTIVITIES SUCH AS RIGGING, WELDING, OR SOLDERING.
  3. PROTECT ALL EXISTING ROOF OPENINGS DURING CONSTRUCTION. PROVIDE TEMPORARY ENCLOSURES OVER OPENINGS AND MAKE WATERTIGHT UNTIL FINAL DUCTWORK CONNECTIONS ARE MADE AND ALL REQUIRED FLASHING AND COUNTER FLASHING IS INSTALLED.
  4. OVER-DEMOLITION SHALL BE ALLOWED PROVIDED THAT ALL SURFACES SHALL BE REBUILT TO MATCH MATERIALS, AND APPEARANCE TO THOSE WHICH WERE REMOVED IN CONFORMANCE WITH THE CONSTRUCTION DOCUMENTS AND AT NO ADDITIONAL COST TO THE TOWN.
  5. THE CONTRACTOR IS RESPONSIBLE TO PROTECT ALL EXISTING EQUIPMENT, FIXTURES AND FINISHES THROUGHOUT CONSTRUCTION AND WILL BE HELD RESPONSIBLE FOR ANY DAMAGE INCURRED.
  6. THE CONTRACTOR SHALL PROTECT ALL PORTIONS OF THE BUILDING FROM DUST, WEATHER INCREMENT AND FREEZING TO PREVENT DAMAGE TO THE EXISTING STRUCTURE OR BUILDING CONTENTS.
  7. ALL CONTROL WORK (DEMOLITION OR NEW WORK) SHALL BE COORDINATED WITH "EMF" (ENERGY MANAGEMENT OF FACILITIES, INC.) AT 581 N STATE ROAD, BRIARCLIFF MANOR, NY 10510 - PHONE 914-747-1007. EMF IS A PARTNER OF SCHNEIDER ELECTRIC.

**DEMOLITION KEYED WORK NOTES:**  
1 EXISTING TO REMAIN.

**1 Mechanical First Floor Demolition Plan**  
SCALE: 1/8"=1'-0"



**2 Key Plan**  
SCALE: NTS

X:\WPSD (White Plains Central School District) - 19891\WPSD 2007 - George Washington Toilet Room Renovations\02-30\K2\02-30-2021-11-14am By: hmanan

CONSULTANTS:

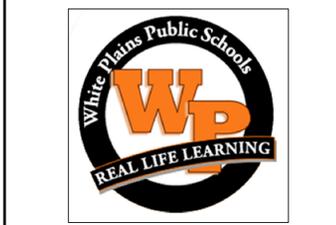
MARK	DATE	DESCRIPTION
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DESIGNED BY: JSK	DRAWN BY: JSK	CHECKED BY:	REVIEWED BY:
PROJECT NO.: WPSD 2007	DATE: NOVEMBER 2021	SCALE: AS SHOWN	

CLIENT  
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66-22-00-01-0-009-016

CONTRACT  
**CONTRACT G  
GENERAL CONSTRUCTION**

STATUS  
**FINAL BID DOCUMENT**

SHEET TITLE  
**MECHANICAL  
DEMOLITION PLAN  
SECOND FLOOR**

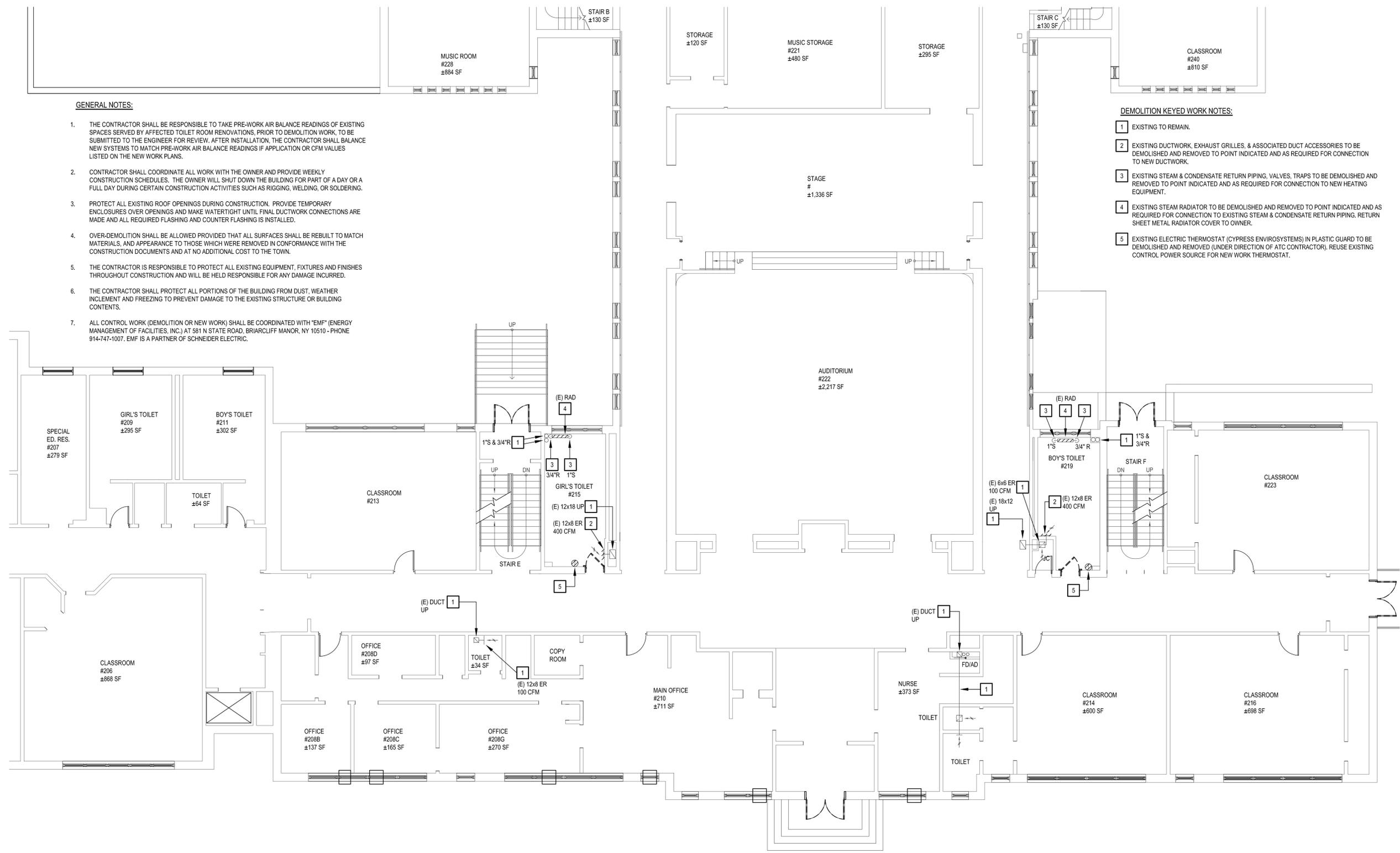
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**MD 101.00**

**GENERAL NOTES:**

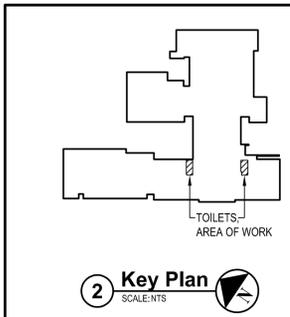
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3. PROTECT ALL EXISTING ROOF OPENINGS DURING CONSTRUCTION. PROVIDE TEMPORARY ENCLOSURES OVER OPENINGS AND MAKE WATERTIGHT UNTIL FINAL DUCTWORK CONNECTIONS ARE MADE AND ALL REQUIRED FLASHING AND COUNTER FLASHING IS INSTALLED.
4. OVER-DEMOLITION SHALL BE ALLOWED PROVIDED THAT ALL SURFACES SHALL BE REBUILT TO MATCH MATERIALS, AND APPEARANCE TO THOSE WHICH WERE REMOVED IN CONFORMANCE WITH THE CONSTRUCTION DOCUMENTS AND AT NO ADDITIONAL COST TO THE TOWN.
5. THE CONTRACTOR IS RESPONSIBLE TO PROTECT ALL EXISTING EQUIPMENT, FIXTURES AND FINISHES THROUGHOUT CONSTRUCTION AND WILL BE HELD RESPONSIBLE FOR ANY DAMAGE INCURRED.
6. THE CONTRACTOR SHALL PROTECT ALL PORTIONS OF THE BUILDING FROM DUST, WEATHER INCREMENT AND FREEZING TO PREVENT DAMAGE TO THE EXISTING STRUCTURE OR BUILDING CONTENTS.
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**DEMOLITION KEYED WORK NOTES:**

- 1 EXISTING TO REMAIN.
- 2 EXISTING DUCTWORK, EXHAUST GRILLES, & ASSOCIATED DUCT ACCESSORIES TO BE DEMOLISHED AND REMOVED TO POINT INDICATED AND AS REQUIRED FOR CONNECTION TO NEW DUCTWORK.
- 3 EXISTING STEAM & CONDENSATE RETURN PIPING, VALVES, TRAPS TO BE DEMOLISHED AND REMOVED TO POINT INDICATED AND AS REQUIRED FOR CONNECTION TO NEW HEATING EQUIPMENT.
- 4 EXISTING STEAM RADIATOR TO BE DEMOLISHED AND REMOVED TO POINT INDICATED AND AS REQUIRED FOR CONNECTION TO EXISTING STEAM & CONDENSATE RETURN PIPING. RETURN SHEET METAL RADIATOR COVER TO OWNER.
- 5 EXISTING ELECTRIC THERMOSTAT (CYPRESS ENVIROSYSTEMS) IN PLASTIC GUARD TO BE DEMOLISHED AND REMOVED (UNDER DIRECTION OF ATC CONTRACTOR). REUSE EXISTING CONTROL POWER SOURCE FOR NEW WORK THERMOSTAT.



**1 Mechanical Second Floor Demolition Plan**  
SCALE: 1/8"=1'-0"



X:\WPSD (White Plains Central School District) - 109811\WPSD 2007 - (George Washington Toilet Room Renovations)\02-00-001-009-016-001-009-016.dwg - 11/03/21 11:15am By: jframan

CONSULTANTS:

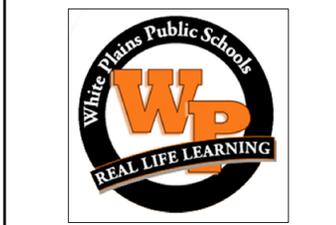
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-	11-03-21	FINAL BID SET



DESIGNED BY: JSK	DRAWN BY: JSK	CHECKED BY:	REVIEWED BY:
PROJECT NO.: WPSD 2007	DATE: NOVEMBER 2021	SCALE: AS SHOWN	

**White Plains City School District**

**Toilet Room Renovations at the George Washington Elementary School**



100 Orchard Street  
White Plains NY, 10604  
66-22-00-01-0-009-016

CONTRACT  
**CONTRACT G  
GENERAL CONSTRUCTION**

STATUS  
**FINAL BID DOCUMENT**

SHEET TITLE  
**MECHANICAL  
DEMOLITION PLAN  
THIRD FLOOR**

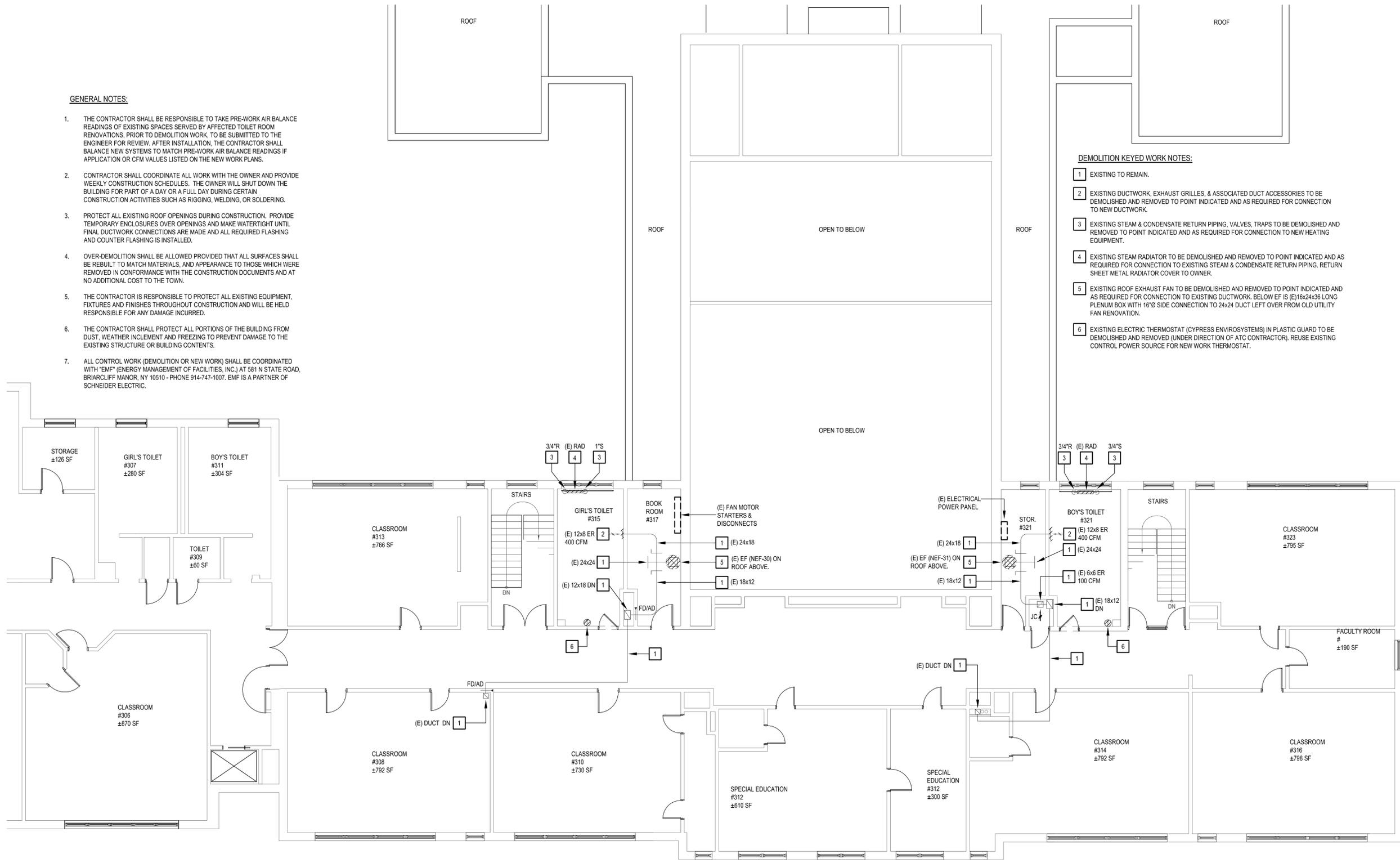
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**MD 102.00**

**GENERAL NOTES:**

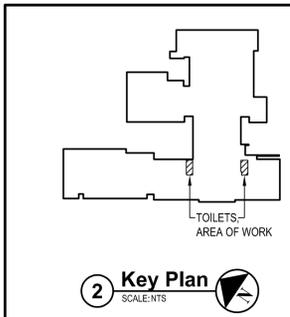
- THE CONTRACTOR SHALL BE RESPONSIBLE TO TAKE PRE-WORK AIR BALANCE READINGS OF EXISTING SPACES SERVED BY AFFECTED TOILET ROOM RENOVATIONS. PRIOR TO DEMOLITION WORK, TO BE SUBMITTED TO THE ENGINEER FOR REVIEW. AFTER INSTALLATION, THE CONTRACTOR SHALL BALANCE NEW SYSTEMS TO MATCH PRE-WORK AIR BALANCE READINGS IF APPLICATION OR CFM VALUES LISTED ON THE NEW WORK PLANS.
- CONTRACTOR SHALL COORDINATE ALL WORK WITH THE OWNER AND PROVIDE WEEKLY CONSTRUCTION SCHEDULES. THE OWNER WILL SHUT DOWN THE BUILDING FOR PART OF A DAY OR A FULL DAY DURING CERTAIN CONSTRUCTION ACTIVITIES SUCH AS RIGGING, WELDING, OR SOLDERING.
- PROTECT ALL EXISTING ROOF OPENINGS DURING CONSTRUCTION. PROVIDE TEMPORARY ENCLOSURES OVER OPENINGS AND MAKE WATERTIGHT UNTIL FINAL DUCTWORK CONNECTIONS ARE MADE AND ALL REQUIRED FLASHING AND COUNTER FLASHING IS INSTALLED.
- OVER-DEMOLITION SHALL BE ALLOWED PROVIDED THAT ALL SURFACES SHALL BE REBUILT TO MATCH MATERIALS, AND APPEARANCE TO THOSE WHICH WERE REMOVED IN CONFORMANCE WITH THE CONSTRUCTION DOCUMENTS AND AT NO ADDITIONAL COST TO THE TOWN.
- THE CONTRACTOR IS RESPONSIBLE TO PROTECT ALL EXISTING EQUIPMENT, FIXTURES AND FINISHES THROUGHOUT CONSTRUCTION AND WILL BE HELD RESPONSIBLE FOR ANY DAMAGE INCURRED.
- THE CONTRACTOR SHALL PROTECT ALL PORTIONS OF THE BUILDING FROM DUST, WEATHER INCLEMENT AND FREEZING TO PREVENT DAMAGE TO THE EXISTING STRUCTURE OR BUILDING CONTENTS.
- ALL CONTROL WORK (DEMOLITION OR NEW WORK) SHALL BE COORDINATED WITH "EMF" (ENERGY MANAGEMENT OF FACILITIES, INC.) AT 581 N STATE ROAD, BRIARCLIFF MANOR, NY 10510 - PHONE 914-747-1007. EMF IS A PARTNER OF SCHNEIDER ELECTRIC.

**DEMOLITION KEYED WORK NOTES:**

- EXISTING TO REMAIN.
- EXISTING DUCTWORK, EXHAUST GRILLES, & ASSOCIATED DUCT ACCESSORIES TO BE DEMOLISHED AND REMOVED TO POINT INDICATED AND AS REQUIRED FOR CONNECTION TO NEW DUCTWORK.
- EXISTING STEAM & CONDENSATE RETURN PIPING, VALVES, TRAPS TO BE DEMOLISHED AND REMOVED TO POINT INDICATED AND AS REQUIRED FOR CONNECTION TO NEW HEATING EQUIPMENT.
- EXISTING STEAM RADIATOR TO BE DEMOLISHED AND REMOVED TO POINT INDICATED AND AS REQUIRED FOR CONNECTION TO EXISTING STEAM & CONDENSATE RETURN PIPING. RETURN SHEET METAL RADIATOR COVER TO OWNER.
- EXISTING ROOF EXHAUST FAN TO BE DEMOLISHED AND REMOVED TO POINT INDICATED AND AS REQUIRED FOR CONNECTION TO EXISTING DUCTWORK. BELOW EF IS (E) 16x24x36 LONG PLENUM BOX WITH 16"Ø SIDE CONNECTION TO 24x24 DUCT LEFT OVER FROM OLD UTILITY FAN RENOVATION.
- EXISTING ELECTRIC THERMOSTAT (CYPRESS ENVIROSYSTEMS) IN PLASTIC GUARD TO BE DEMOLISHED AND REMOVED (UNDER DIRECTION OF ATC CONTRACTOR). REUSE EXISTING CONTROL POWER SOURCE FOR NEW WORK THERMOSTAT.



**1 Mechanical Third Floor Demolition Plan**  
SCALE: 1/8"=1'-0"



**2 Key Plan**  
SCALE: NTS

X:\WPSD\White Plains Central School District\109811\WPSD 2007 - George Washington Toilet Room Renovations\102-00-01-Floor Plan\DWG\102-00-01-Floor Plan.dwg Last Modified: 01/07/2021 10:35am Plotted on: 11/02/2021 11:18am By: rframan

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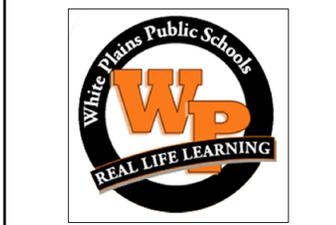
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DESIGNED BY: JSK	DRAWN BY: JSK	CHECKED BY:	REVIEWED BY:
PROJECT NO.: WPSD 2007	DATE: NOVEMBER 2021	SCALE: AS SHOWN	

CLIENT  
**White Plains City School District**

Toilet Room Renovations at the George Washington Elementary School



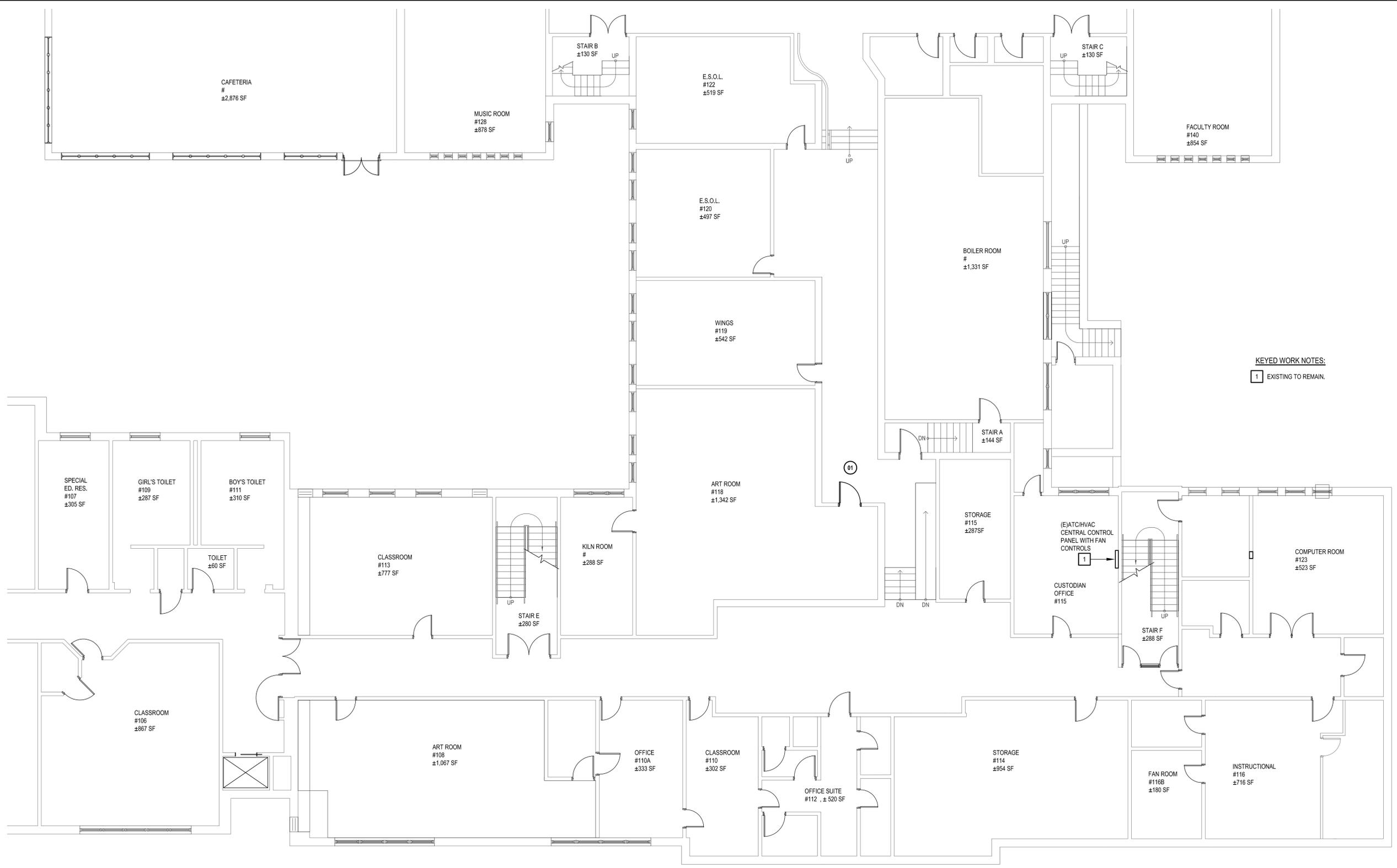
100 Orchard Street  
White Plains NY, 10604  
66-22-00-01-0-009-016

CONTRACT  
**CONTRACT G  
GENERAL CONSTRUCTION**

STATUS  
**FINAL BID DOCUMENT**

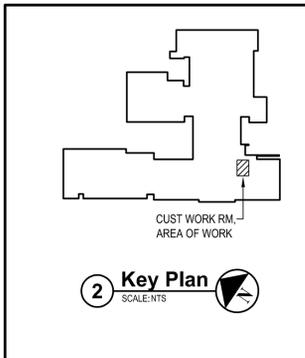
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**MECHANICAL FLOOR PLAN FIRST FLOOR**

DRAWING No.  
**M 100.00**



KEYED WORK NOTES:  
1 EXISTING TO REMAIN.

**1 Mechanical First Floor Plan**  
SCALE: 1/8"=1'-0"



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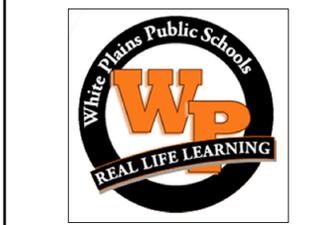
MARK	DATE	DESCRIPTION
-	11-03-21	FINAL BID SET



DESIGNED BY: JSK	DRAWN BY: JSK	CHECKED BY:	REVIEWED BY:
PROJECT NO.: WPSD 2007	DATE: NOVEMBER 2021	SCALE: AS SHOWN	

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**White Plains City School District**

Toilet Room Renovations at the George Washington Elementary School



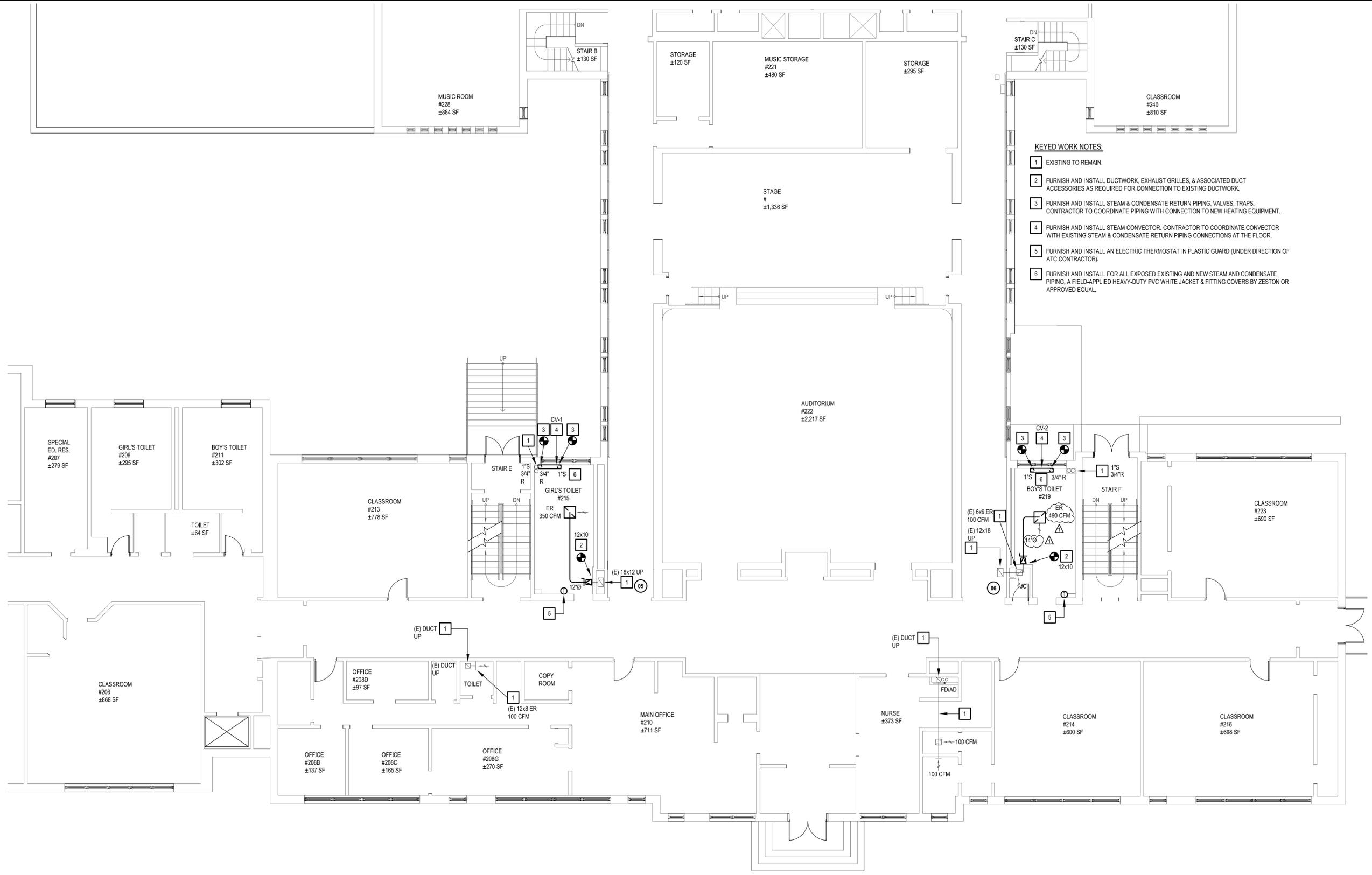
100 Orchard Street  
White Plains NY, 10604  
66-22-00-01-0-009-016

CONTRACT  
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GENERAL CONSTRUCTION**

STATUS  
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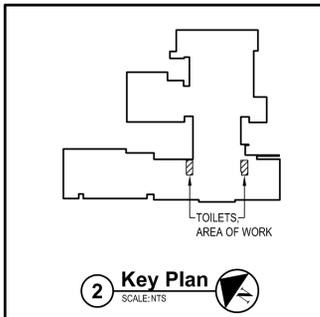
SHEET TITLE  
**MECHANICAL  
FLOOR PLAN  
SECOND FLOOR**

DRAWING No.  
**M 101.00**



- KEYED WORK NOTES:**
- EXISTING TO REMAIN.
  - FURNISH AND INSTALL DUCTWORK, EXHAUST GRILLES, & ASSOCIATED DUCT ACCESSORIES AS REQUIRED FOR CONNECTION TO EXISTING DUCTWORK.
  - FURNISH AND INSTALL STEAM & CONDENSATE RETURN PIPING, VALVES, TRAPS. CONTRACTOR TO COORDINATE PIPING WITH CONNECTION TO NEW HEATING EQUIPMENT.
  - FURNISH AND INSTALL STEAM CONVECTOR. CONTRACTOR TO COORDINATE CONVECTOR WITH EXISTING STEAM & CONDENSATE RETURN PIPING CONNECTIONS AT THE FLOOR.
  - FURNISH AND INSTALL AN ELECTRIC THERMOSTAT IN PLASTIC GUARD (UNDER DIRECTION OF ATC CONTRACTOR).
  - FURNISH AND INSTALL FOR ALL EXPOSED EXISTING AND NEW STEAM AND CONDENSATE PIPING. A FIELD-APPLIED HEAVY-DUTY PVC WHITE JACKET & FITTING COVERS BY ZESTON OR APPROVED EQUAL.

**1 Mechanical Second Floor Plan**  
SCALE: 1/8"=1'-0"



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CONSULTANTS:

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-	11-03-21	FINAL BID SET



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PROJECT NO.: WPSD 2007	DATE: NOVEMBER 2021	SCALE: AS SHOWN	

CLIENT  
**White Plains City School District**

Toilet Room Renovations at the George Washington Elementary School



100 Orchard Street  
White Plains NY, 10604

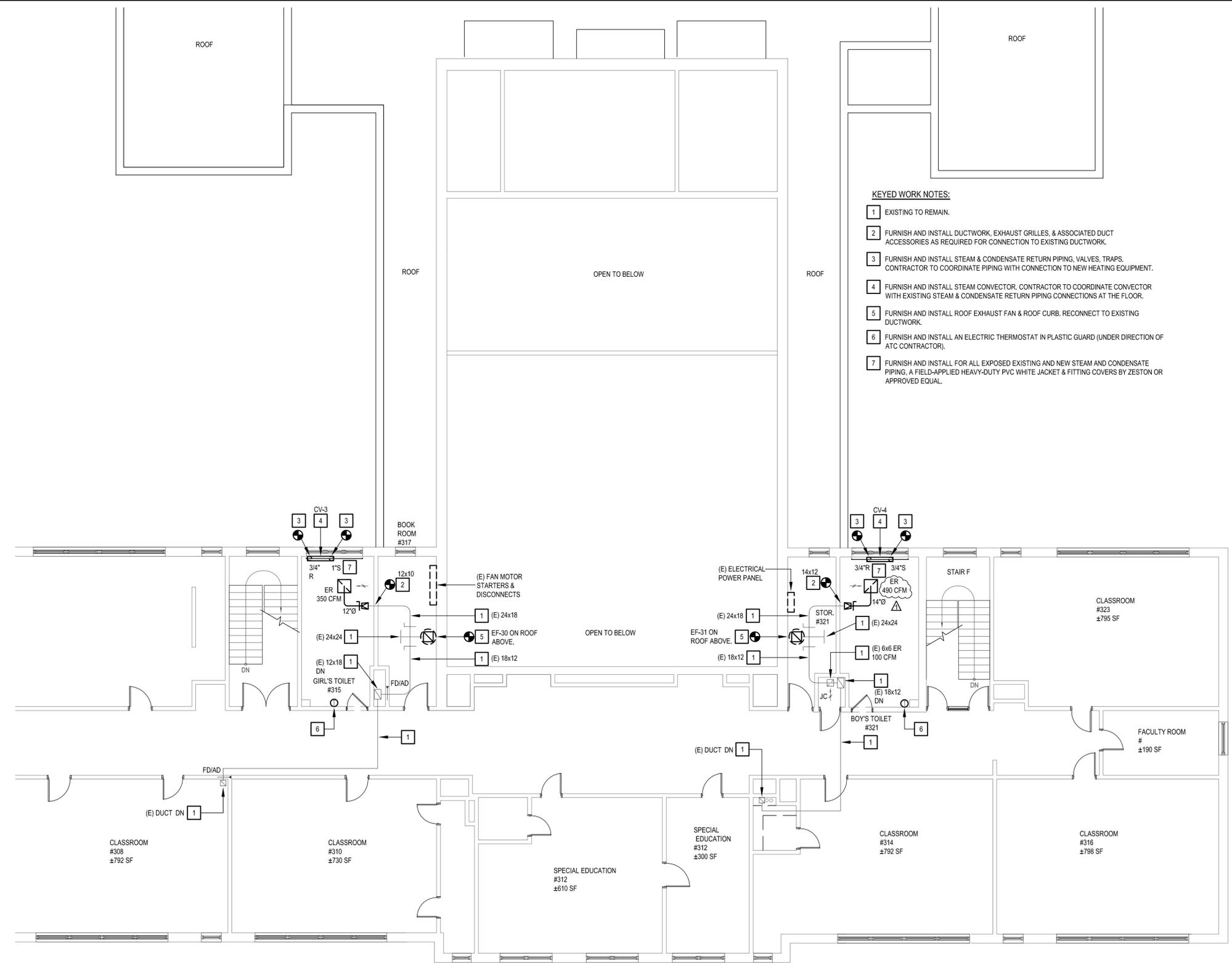
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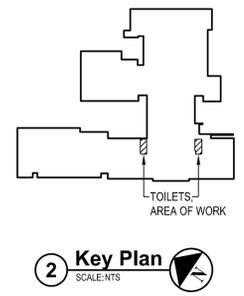
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**MECHANICAL  
FLOOR PLAN  
THIRD FLOOR**

DRAWING No.  
**M 102.00**



- KEYED WORK NOTES:**
- EXISTING TO REMAIN.
  - FURNISH AND INSTALL DUCTWORK, EXHAUST GRILLES, & ASSOCIATED DUCT ACCESSORIES AS REQUIRED FOR CONNECTION TO EXISTING DUCTWORK.
  - FURNISH AND INSTALL STEAM & CONDENSATE RETURN PIPING, VALVES, TRAPS. CONTRACTOR TO COORDINATE PIPING WITH CONNECTION TO NEW HEATING EQUIPMENT.
  - FURNISH AND INSTALL STEAM CONVECTOR. CONTRACTOR TO COORDINATE CONVECTOR WITH EXISTING STEAM & CONDENSATE RETURN PIPING CONNECTIONS AT THE FLOOR.
  - FURNISH AND INSTALL ROOF EXHAUST FAN & ROOF CURB. RECONNECT TO EXISTING DUCTWORK.
  - FURNISH AND INSTALL AN ELECTRIC THERMOSTAT IN PLASTIC GUARD (UNDER DIRECTION OF ATC CONTRACTOR).
  - FURNISH AND INSTALL FOR ALL EXPOSED EXISTING AND NEW STEAM AND CONDENSATE PIPING. A FIELD-APPLIED HEAVY-DUTY PVC WHITE JACKET & FITTING COVERS BY ZESTON OR APPROVED EQUAL.

**1 Mechanical Third Floor Plan**  
SCALE: 1/8"=1'-0"



**2 Key Plan**  
SCALE: NTS

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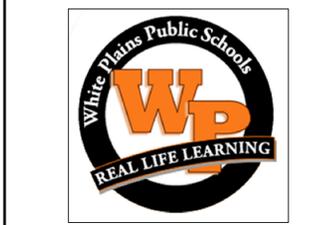
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PROJECT NO.: WPSD 2007	DATE: NOVEMBER 2021	SCALE: AS SHOWN	

**White Plains City School District**

**Toilet Room Renovations at the George Washington Elementary School**



100 Orchard Street  
White Plains NY, 10604  
66-22-00-01-0-009-016

**CONTRACT G**  
**GENERAL CONSTRUCTION**

**FINAL BID DOCUMENT**

**MECHANICAL SCHEDULES AND DETAILS**

**M 300.00**

**VENTILATION SCHEDULE - GEORGE WASHINGTON ELEMENTARY SCHOOL**

ROOM NO.	ROOM NAME	EQUIPMENT TAG	ROOM DATA				OUTSIDE AIR CFM REQUIRED (VRP)				EXHAUST AIR CFM REQUIRED			DESIGN AIR FLOWS		NOTES		
			TYPE	DISTR EFFECT (Ez)	AREA SQ FT (Az)	HGT	NO. OF FIXTURES	NO. OF PEOPLE (Pz)	PER PERSON (Rp)	PER SQ FT (Ra)	BRTH ZONE (Vbz)	OA REQ'D	PER FIXTURE (CODE)	PER SQ FT (CODE)	TOTAL REQ'D (CODE)		MIN OA (CFM)	EA (CFM)
215	GIRL'S TOILET ROOM	EF-30	PUBLIC TOILET	0.8	274	10.5	5							70		350	350	1
219	BOY'S TOILET ROOM	EF-31	PUBLIC TOILET	0.8	240	10.5	7							70		490	490	1
315	GIRL'S TOILET ROOM	EF-30	PUBLIC TOILET	0.8	266	10.5	5							70		350	350	1
321	BOY'S TOILET ROOM	EF-31	PUBLIC TOILET	0.8	240	10.5	7							70		490	490	1

NOTES:  
1. ALL ROOM AIR FLOWS ARE BASED ON TABLE 403.3 FROM THE 2020 MECHANICAL CODE OF NYS AND/OR LATEST ASHRAE 62.1, WHICHEVER IS GREATER.

**EXHAUST FAN SCHEDULE**

UNIT	SERVICE	LOCATION	MFG	MODEL	TYPE	DRIVE	AIRFLOW (CFM)	ESP (IN WG)	SPEED (RPM)	SOUND POWER (SONES)	MOTOR DATA			PHYSICAL DATA				NOTES	
											V/PH	HP	SPEED (RPM)	DUCT CONN.		ROOF OPENING			WGT (LBS)
														L (IN)	W (IN)	L (IN)	W (IN)		
EF-30	TOILETS	ROOF	GREENHECK	G-123-VG	CENTRIFUGAL DOME	DIRECT	1500	0.6	1503	13.2	208/160	1/2	1725	12	12	14.5	14.5	79	1,2,3,4,5,6
EF-31	TOILETS	ROOF	GREENHECK	G-123-VG	CENTRIFUGAL DOME	DIRECT	1500	0.6	1503	13.2	208/160	1/2	1725	12	12	14.5	14.5	79	1,2,3,4,5,6

NOTES:  
1. FANS SHALL INCLUDE NEMA-1 DISCONNECT SWITCH, THERMAL OVERLOAD PROTECTION, VARI-GREEN ELECTRONICALLY COMMUTATED (EC) MOTORS WITH DIAL ON MOTOR CONTROL.  
2. FANS SHALL INCLUDE: HIGH-WIND-RATED ROOF CURB (12 INCH HIGH), HINGED CURB CAP KIT WITH CABLES, FOAMED CURB SEAL, GRAVITY BACKDRAFT DAMPER, ALUMINUM BIRDSCREEN (86% FREE AREA).  
3. FAN SHALL BE UL 705 LISTED, AMCA CERTIFIED.  
4. JUNCTION BOX MOUNTED AND WIRED.  
5. ONE YEAR STANDARD WARRANTY.  
6. INTERLOCK EXHAUST FAN WITH AUTOMATIC TEMPERATURE CONTROL SYSTEM.

**CONVECTOR SCHEDULE**

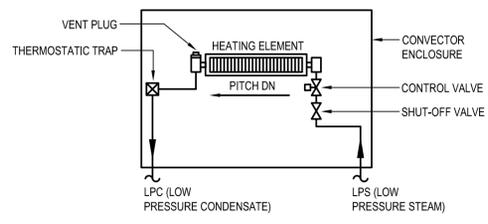
UNIT	MFG	MODEL	MOUNTING TYPE	OUTLET GRILLE TYPE	INLET GRILLE TYPE	STEAM TEMPERATURE (DEGREES F)	STEAM HEATING CAPACITY (BTUH)	PHYSICAL DATA				NOTES
								D (INCH)	L (INCH)	H (INCH)	RECESS DEPTH (INCH)	
CV-1	STERLING	SFG-A	FREE STANDING CABINET	SLOPING TOP	FRONT	215	19,610	8	48	32	N/A	1,2,3,4
CV-2	STERLING	SFG-A	FREE STANDING CABINET	SLOPING TOP	FRONT	215	19,610	8	48	32	N/A	1,2,3,4
CV-3	STERLING	SFG-A	FREE STANDING CABINET	SLOPING TOP	FRONT	215	19,610	8	48	32	N/A	1,2,3,4
CV-4	STERLING	SFG-A	FREE STANDING CABINET	SLOPING TOP	FRONT	215	19,610	8	48	32	N/A	1,2,3,4

NOTES:  
1. FREE STANDING EXPOSED CABINET ENCLOSURE FITTED FLUSH AGAINST WALL WITH SLOPED TOP INTEGRAL OUTLET GRILLE AND LOW INTEGRAL INLET GRILLE IN FRONT PANEL.  
2. PROVIDE 14 GAUGE HEAVY-DUTY ENCLOSURE.  
3. CUSTOM COLOR SELECTION BY ARCHITECT.  
4. CONTRACTOR SHALL FIELD VERIFY DIMENSIONS WITH PIPING CONNECTIONS PRIOR TO ORDERING.

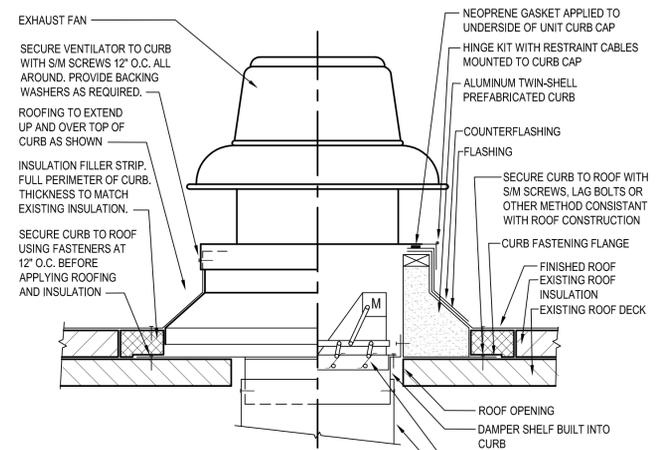
**GRILLE SCHEDULE**

TAG	TYPE	MFG	MODEL	MOUNT TYPE	MODULE SIZE (IN)	NECK SIZE (IN)	AIRFLOW RANGE (CFM)	NC RATING	PRESS LOSS (IN WG)	NOTES
EG	EXHAUST GRILLE	TITUS	PAR	LAY-IN	24x24	6" DIA.	0-120	13	0.1	1, 2, 3, 4
EG	EXHAUST GRILLE	TITUS	PAR	LAY-IN	24x24	8" DIA.	121-210	19	0.1	1, 2, 3, 4
EG	EXHAUST GRILLE	TITUS	PAR	LAY-IN	24x24	10" DIA.	211-325	24	0.1	1, 2, 3, 4
EG	EXHAUST GRILLE	TITUS	PAR	LAY-IN	24x24	12" DIA.	326-475	28	0.1	1, 2, 3, 4
EG	EXHAUST GRILLE	TITUS	PAR	LAY-IN	24x24	14" DIA.	476-640	28	0.1	1, 2, 3, 4

NOTES:  
1. COLOR AND MOUNTING STYLE SELECTION BY ARCHITECT. PROVIDE COLOR SAMPLE, OTHERWISE STANDARD FINISH IS #26 WHITE.  
2. GRILLES SHALL BE OF STEEL CONSTRUCTION WITH FLUSH PERFORATED FACE.  
3. PROVIDE VOLUME DAMPER IN BRANCH DUCT.  
4. CONTRACTOR TO VERIFY CEILING TYPE, GRID MODULE, AND LAY-IN FRAME TYPES.

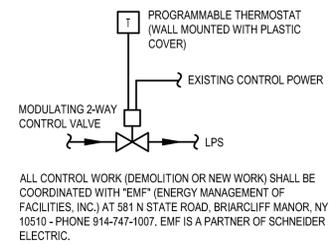


**1 Steam Convector - Piping Detail**  
SCALE: NTS

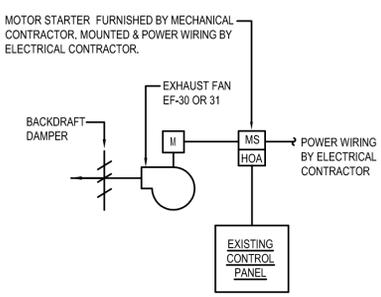


NOTES:  
1. CURBS AND FANS SHALL BE FROM THE SAME MANUFACTURER.  
2. ROOF OPENING IN ACCORDANCE WITH MANUFACTURER'S APPROVED SHOP DRAWINGS.  
3. CURB HEIGHT SHALL BE 12" ABOVE FINISHED ROOF.  
4. ALL FLASHING AND ROOF WORK BY CONTRACTOR.

**# Roof Exhaust Fan & Curb**  
SCALE: NTS



**3 Steam Convector - Control Schematic**  
SCALE: NTS



ALL CONTROL WORK (DEMOLITION OR NEW WORK) SHALL BE COORDINATED WITH 'EMF' (ENERGY MANAGEMENT OF FACILITIES, INC.) AT 581 N STATE ROAD, BRIARCLIFF MANOR, NY 10510 - PHONE 914-747-1007. EMF IS A PARTNER OF SCHNEIDER ELECTRIC.

**4 Exhaust Fan - Control Schematic**  
SCALE: NTS

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-	11-03-21	FINAL BID SET



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PROJECT NO: WPSD 2007	DATE: NOVEMBER 2021	SCALE:	AS SHOWN

**White Plains City School District**

**Toilet Room Renovations at the George Washington Elementary School**

100 Orchard Street  
White Plains NY, 10604

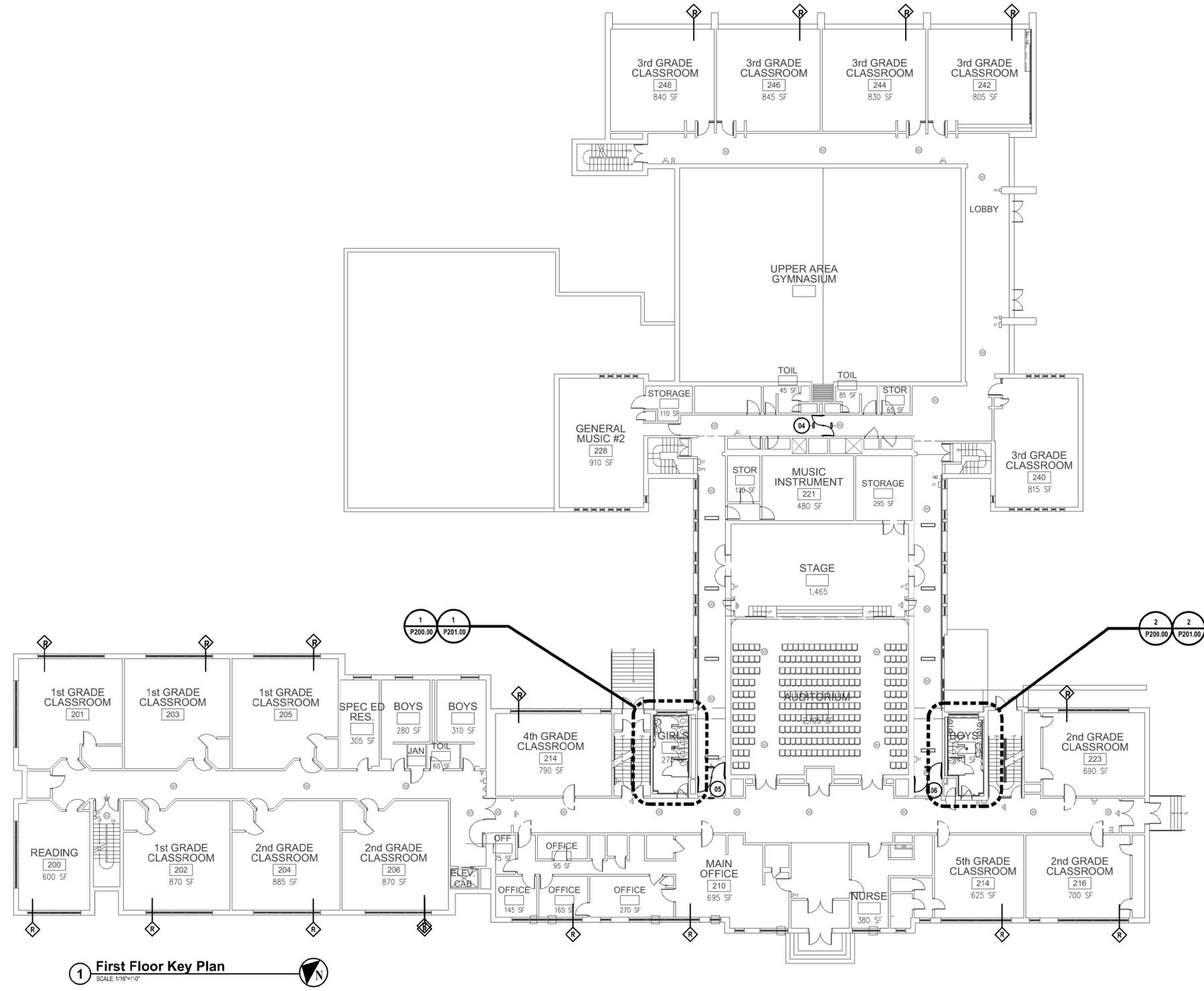
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CONTRACT  
**CONTRACT G  
GENERAL CONSTRUCTION**

STATUS  
**FINAL BID DOCUMENT**

SHEET TITLE  
**FIRST FLOOR KEY PLAN**

DRAWING No.  
**P100.00**



**1 First Floor Key Plan**  
SCALE: 1/16"=1'-0"

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-	11-03-21	FINAL BID SET



DESIGNED BY: JRM	DRAWN BY: CJM	CHECKED BY:	REVIEWED BY:
PROJECT NO: WFSD 2007	DATE: NOVEMBER 2021	SCALE: AS SHOWN	

**White Plains City School District**

Toilet Room Renovations at the George Washington Elementary School

100 Orchard Street  
White Plains NY, 10604

66-22-00-01-0-009-016

CONTRACT  
**CONTRACT G  
GENERAL CONSTRUCTION**

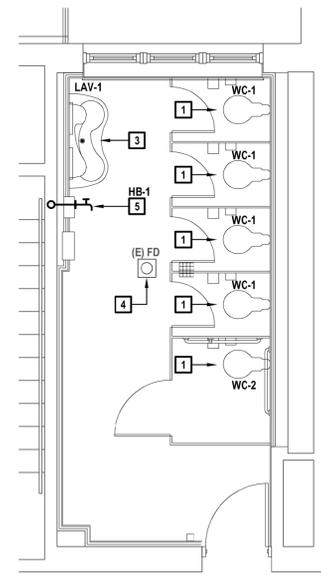
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SHEET TITLE  
**PLUMBING PROPOSED ENLARGEMENT PLANS**

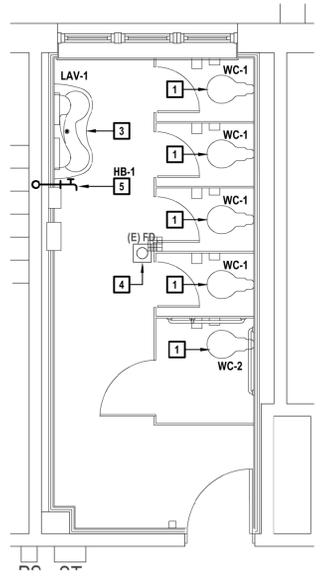
DRAWING No.  
**P201.00**

- PLUMBING 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 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.
  - INSTALL NEW SHUT OFF VALVES OR REPLACE EXISTING VALVES ON ALL COLD WATER AND HOT WATER BRANCH PIPING ENTERING TOILETS.
  - FURNISH AND INSTALL NEW CLEANOUT DECK PLATE, ZURN MODEL Z1400 OR APPROVED EQUAL AS REQUIRED IN EACH BATHROOM.
  - CONTRACTOR IS RESPONSIBLE TO INSTALL ALL NEW DOMESTIC AND SANITARY PIPING IN BATHROOM AND CONNECT TO EXISTING PIPING IN CORRIDORS/CHASE.
  - VERIFY THE EXACT LOCATION OF THE EXISTING PIPING AND COORDINATE THE EXACT CONNECTION POINTS TO THE EXISTING PIPING IN THE FIELD.

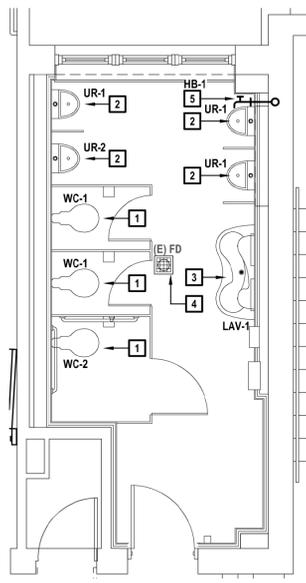
- KEYED PLUMBING NOTES**
- INSTALL NEW WALL MOUNTED WATER CLOSET AND FLUSH VALVE OR APPROVED EQUAL. INSTALL NEW COLD WATER STOP VALVE. CONNECT NEW 1" CW PIPING FROM EXISTING COLD WATER PIPING. CONNECT NEW 4" SANITARY PIPING FROM EXISTING SANITARY PIPING. CONNECT 2" VENT TO EXISTING VENT HEADER. MODIFY PIPING AS REQUIRED.
  - INSTALL NEW URINAL WITH CARRIER SUPPORT, ZURN MODEL Z1218, OR APPROVED EQUAL. CONNECT NEW 3/4" COLD WATER PIPING FROM EXISTING URINAL. CONNECT NEW 2" SANITARY PIPING TO EXISTING SANITARY IN ADJACENT PLUMBING CHASE. CONNECT 1-1/2" VENT TO EXISTING VENT HEADER. MODIFY PIPING AS REQUIRED.
  - INSTALL NEW LAVATORY. CONNECT NEW 1/2" COLD AND HOT WATER PIPING FROM HOT AND COLD WATER PIPING. INSTALL NEW STOP VALVE. CONNECT NEW 1-1/2" SANITARY PIPING TO EXISTING SANITARY/WASTE IN PLUMBING WALL. CONNECT 1-1/2" VENT TO EXISTING VENT HEADER. MODIFY PIPING AS REQUIRED.
  - PROVIDE NEW STRAINER AND DRAIN BODY AT SAME LOCATION AS EXISTING FLOOR DRAIN TO BE FLUSH WITH FINISHED FLOOR.
  - INSTALL NEW INTERIOR HOSE BIB WITH REMOVABLE KEYED LOCK MOUNTED A MINIMUM OF 12" FROM THE FLOOR. CONNECT NEW 1/2" COLD WATER TO EXISTING COLD WATER IN ADJACENT PLUMBING CHASE.



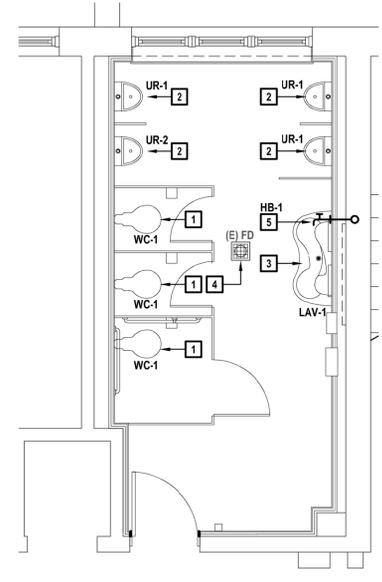
**1 First Floor Girl's Bathroom Construction Plan**  
SCALE: 1/4"=1'-0"



**3 Second Floor Girl's Bathroom Construction Plan**  
SCALE: 1/4"=1'-0"



**2 First Floor Boy's Bathroom Construction Plan**  
SCALE: 1/4"=1'-0"



**4 Second Floor Boy's Bathroom Construction Plan**  
SCALE: 1/4"=1'-0"

**ELECTRICAL GENERAL NOTES:**

- DRAWINGS ARE DIAGRAMMATIC AND DEFINE THE INTENT OF THE WORK. LOCATIONS OF EQUIPMENT, FIXTURES, DEVICES, PANELBOARDS, DUCTS, PIPING, DIFFUSERS, PARTITIONS, OPENINGS, ETC. ARE APPROXIMATE AND ARE SUBJECT TO MODIFICATIONS CAUSED BY STRUCTURAL CONDITIONS AND EQUIPMENT PROVIDED BY OTHER CONTRACTORS, SUBCONTRACTORS OR THE OWNER. COORDINATE ALL WORK WITH THE WORK OF OTHER TRADES. DETERMINE ROUGHING LOCATIONS FROM APPROVED SHOP DRAWINGS. MINOR MODIFICATIONS OF LOCATIONS REQUIRED TO EFFECT SUCH COORDINATION SHALL BE MADE AT NO COST TO THE OWNER.
- SPECIFICATIONS MAY REQUIRE WORK, EQUIPMENT, SYSTEMS, METHODS, ETC. THAT IS NOT INDICATED ON THE DRAWINGS.
- DRAWINGS AND SPECIFICATIONS ARE INTENDED TO BE COMPLEMENTARY TO EACH OTHER. WHERE DISCREPANCIES OR CONFLICTS OCCUR, THE CONTRACTOR SHALL INCLUDE THE MORE COSTLY METHOD IN THEIR PROPOSAL UNLESS CLARIFIED BY BULLETIN OR ADDENDUM ACKNOWLEDGED PRIOR TO RECEIPT OF BIDS.
- DRAWINGS SHALL NOT BE SCALED. DRAWINGS ARE ESSENTIALLY DIAGRAMMATIC AND INDICATE THE GENERAL ARRANGEMENT OF SYSTEMS AND REQUIREMENTS OF THE WORK. ALTHOUGH SIZE AND LOCATION OF EQUIPMENT IS DRAWN TO SCALE WHEREVER POSSIBLE, CONTRACTOR SHALL MAKE USE OF ALL DATA IN ALL OF THE CONTRACT DOCUMENTS AND VERIFY INFORMATION AT THE PROJECT SITE.
- EXISTING PROJECT CONDITIONS INDICATED ARE BASED ON FIELD OBSERVATION, EXISTING DESIGN / CONSTRUCTION DOCUMENTS AND EXISTING RECORD DOCUMENTS AND ARE INTENDED TO INDICATE THE SCOPE OF THE WORK AFFECTED BY THIS PROJECT.
- THE TERM "OTHERS" SHALL BE UNDERSTOOD TO MEAN CONTRACTORS, SUBCONTRACTORS OR TRADESMEN ON THE PROJECT PERFORMING WORK ON THIS PROJECT UNDER SECTIONS OR DIVISIONS OTHER THAN DIVISION 26 - ELECTRICAL WORK.
- VERIFY THAT FIELD MEASUREMENTS AND CIRCUITING ARRANGEMENTS ARE AS INDICATED.
- PRIOR TO BIDDING VISIT THE PROJECT SITE TO DETERMINE THE CONDITIONS UNDER WHICH THE WORK IS TO BE DONE. SCHEDULE SITE VISIT WITH OWNER.
- PROVIDE ALL LABOR, MATERIALS AND EQUIPMENT REQUIRED FOR THE INSTALLATION, RELOCATION AND CONNECTION OF THE ELECTRICAL WORK.
- ALL MATERIAL SHALL BE UNDERWRITERS' LABORATORIES LISTED FOR ITS APPLICATION WHERE SUCH LISTING IS APPLICABLE.
- ALL EQUIPMENT SHALL BE AS INDICATED OR AS APPROVED BY THE ENGINEER.
- SUBMIT SHOP DRAWINGS, PRODUCT DATA SHEETS AND WIRING DIAGRAMS FOR ALL ELECTRICAL CONSTRUCTION MATERIALS, DEVICES, EQUIPMENT, APPLIANCES AND SYSTEMS.
- SUBMIT IN QUANTITY TO ALLOW DISTRIBUTION TO ARCHITECT (1), OWNER (2), ENGINEER (1), PRIME CONTRACTORS (1 EACH), AND CONTRACTOR'S OWN USE AS REQUIRED.
- UNLESS SPECIFICALLY INDICATED OR REQUESTED OTHERWISE, BIND ALL RELATED PRODUCT DATA TOGETHER PROPERLY INDEXED AND IDENTIFIED AND WITH ALL PERTINENT CATALOG NUMBERS, OPTIONS, ETC. HIGHLIGHTED OR TARGETED. LOOSE SHEETS OR BINDING SYSTEMS RELYING ON PAPER CLIPS OR SLIP ON SPLINES WILL BE DISCARDED AND THE TRANSMITTAL RETURNED TO THE CONTRACTOR.
- OBTAIN SHOP DRAWINGS AND WIRING DIAGRAMS FROM OWNER AND OTHER CONTRACTORS FOR THE PROPER INSTALLATION OF RELATED ELECTRICAL WORK AND, UNLESS OTHERWISE NOTED, WIRE ALL CONTROL DEVICES, VALVES, THERMOSTATS, ETC. REQUIRED FOR THE PROPER OPERATION OF THEIR SYSTEMS.
- ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE CURRENT EDITION IN EFFECT OF THE NATIONAL ELECTRICAL CODE (NEC), NATIONAL ELECTRICAL SAFETY CODE (NESC), AMERICAN ELECTRICIANS' HANDBOOK, 2020 FIRE CODE OF NYS, 2020 BUILDING CODE OF NEW YORK STATE, 2020 EXISTING BUILDING CODE OF NYS, ACCESSIBLE & USABLE BUILDINGS & FACILITIES (ICC/ANSI A117.1) AND NATIONAL ELECTRICAL CONTRACTORS ASSOCIATION (NECA) STANDARD OF INSTALLATION.
- OBTAIN ALL PERMITS REQUIRED, HAVE THE WORK INSPECTED FOR CODE COMPLIANCE AND PAY ALL FEES FOR INSPECTION AND CERTIFICATION.
- MAKE THE NECESSARY ARRANGEMENTS, AND PAY ALL COSTS, FOR TEMPORARY AND/OR PERMANENT ELECTRIC SERVICE FOR THE PROJECT.
- PROVIDE ADEQUATE TEMPORARY ELECTRICAL LIGHT AND POWER FOR THE PROJECT WORK OF ALL TRADES.
- EXACT LOCATION OF EQUIPMENT SHALL BE COORDINATED IN THE FIELD.
- REFER TO APPROVED REFLECTED CEILING PLANS FOR EXACT LIGHTING LAYOUTS.
- REFER TO DRAWINGS AND SPECIFICATIONS OF OTHER TRADES FOR EQUIPMENT LOCATIONS AND CONTROLS.
- GROUNDING AND BONDING SHALL MEET NEC AND EQUIPMENT / SYSTEM MANUFACTURER'S REQUIREMENTS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF DEBRIS GENERATED BY THEIR WORK AND WORKERS AT THE END OF EACH WORKING DAY AND FOR GENERAL GOOD HOUSEKEEPING BY THEIR WORKERS. CONTRACTOR SHALL PROVIDE REQUIRED REFUSE CONTAINERS.
- DISCONNECT AND REMOVE FROM THE PREMISES, OR STORE ON THE PREMISES IF REQUESTED BY THE OWNER, ALL EQUIPMENT FIXTURES, DEVICES, RACEWAY, WIRING, CABLE, SUPPORTING DEVICES, ETC. REMOVED OR ABANDONED AS A RESULT OF THIS WORK. MAKE SAFE ALL WIRING AND CABLE WHICH MUST REMAIN IN SERVICE.
- REMOVE AND REINSTALL CEILING SYSTEM AS REQUIRED FOR THE INSTALLATION OF ELECTRICAL WORK AND REPLACE IN KIND ANY COMPONENTS DAMAGED BY PERSONNEL OR EQUIPMENT DURING PERFORMANCE OF THE WORK. COORDINATE WITH ARCHITECT.
- PERFORM ALL CUTTING AND PATCHING REQUIRED FOR THE INSTALLATION OF THE WORK. CUT NO STRUCTURAL MEMBER WITHOUT WRITTEN PERMISSION FROM THE ENGINEER. FINISH AND PAINT ALL PATCHED SURFACES WITH TWO COATS OF PAINT TO MATCH EXISTING SURFACES AS CLOSELY AS POSSIBLE. SEAL OPENINGS VERMIN AND WATER PROOF AND MAINTAIN FIRE RATING. USE SPECIFIED TECHNOLOGIES, INC. "SPECSSEAL" SERIES LCI FOR SLEEVED PENETRATIONS (U. L. SYSTEM #C-AJ-1028; F = 3, T = 0) AND "SPECSSEAL" PENSIL 300 SEALANT FOR CUT OR CORED PENETRATIONS (U. L. SYSTEM #C-AJ-1030; F = 3, T = 0). SLEEVES AND ACCESSORIES SHALL BE PER ASTM E 814.
- ALL PENETRATIONS IN FOUNDATION WALLS AND FLOORS INCLUDING SLAB PENETRATIONS SHALL BE SUBSTANTIALLY SEALED BY UTILIZING A NON-CRACKING POLYURETHANE OR SIMILAR CAULK OR EQUIVALENT TO CLOSE OFF THE SOIL GAS ENTRY ROUTES AS REQUIRED BY THE NY STATE BUILDING CODE. ALL CONDUITS IN THE SPACE BELOW THE FOUNDATION FLOOR WHICH PENETRATE THESE BARRIERS SHALL HAVE THREADED OR SOLVENTED FITTINGS.
- ALL NEW RACEWAY, WIRING AND CABLE IN NEW AND EXISTING FINISHED SPACES SHALL BE RUN CONCEALED IN NEW AND EXISTING CONSTRUCTION UNLESS OTHERWISE INDICATED; CUT AND PATCH AS REQUIRED. PROVIDE PULLBOXES, SIZE AND TYPE AS REQUIRED.
- EXPOSED RACEWAY, IF PERMITTED, SHALL BE RUN TRUE, PLUMB AND PARALLEL OR PERPENDICULAR TO BUILDING LINES. EMT WITH RAIN-TIGHT STEEL FITTINGS, 3/4 INCH MINIMUM, SHALL BE USED OUTDOORS; ELECTRICAL METALLIC TUBING, 3/4 INCH MINIMUM, SHALL BE USED IN INDOOR UNFINISHED SPACES; SURFACE METAL RACEWAY (WIREMOLD) SHALL BE USED IN INDOOR FINISHED SPACES.
- ALL WIRING SHALL BE COPPER CONDUCTOR WITH 600 VOLTS INSULATION IN METAL RACEWAY WITH APPROVED FITTINGS UNLESS OTHERWISE INDICATED.
- FEEDERS AND BRANCH CIRCUITS UNDERGROUND IN RACEWAY: TYPE THHN-THWN 90 DEGREE C
- INTERIOR FEEDERS AND BRANCH CIRCUITS IN RACEWAY: TYPE THHN 90 DEGREE C.
- UNDERGROUND DIRECT BURIAL BRANCH CIRCUITS BEYOND BUILDING: TYPE UF, 75 DEGREE C.
- BRANCH CIRCUIT HOMERUNS TO FIRST OUTLET: TYPE THHN IN RACEWAY. AFTER THE FIRST OUTLET BOX, APPROVED CABLE MAY BE USED.
- FEEDERS SHALL BE MINIMUM #8 AWG; BRANCH CIRCUIT WIRING MINIMUM #12 AWG; CONTROL WIRING MINIMUM #14 AWG; UNLESS OTHERWISE INDICATED. FEEDER AND BRANCH CIRCUIT WIRING LARGER THAN #10 AWG SHALL BE STRANDED CONDUCTOR; #10 AWG AND SMALLER, STRANDED CONDUCTOR OR SOLID CONDUCTOR; CONTROL WIRING, STRANDED CONDUCTOR.
- METAL CLAD CABLE TYPE MC WITH 600 VOLT THHN INSULATION AND INSULATED GROUND CONDUCTOR FOR BRANCH CIRCUITS RUN IN HOLLOW SPACES. FISHER ABOVE EXISTING HUNG CEILING, FIXTURE CONNECTIONS AND ELSEWHERE AS PERMITTED BY THE NEC AND THE ENGINEER.

- FIRE ALARM WIRING SHALL BE APPROVED FOR ITS APPLICATION; #14 AWG IN RACEWAY OR #14 AWG METAL CLAD CABLE FOR 120 VOLT CIRCUITS; #16 AWG FPLP OR FPLP FOR LOW VOLTAGE CIRCUITS IN NON AIR-HANDLING SPACES; AND #14 AWG FPLP FOR LOW VOLTAGE CIRCUITS IN AIR-HANDLING APPLICATIONS.
- DO NOT INSTALL CONDUCTORS, WIRES OR CABLES OF ANY OTHER SYSTEM IN THE SAME RACEWAY OR CABLE WITH FIRE ALARM POWER SUPPLY CIRCUITS, NON-POWER LIMITED FIRE ALARM CIRCUITS OR POWER LIMITED FIRE ALARM CIRCUITS.
- MAKE FLEXIBLE CONDUIT CONNECTIONS TO MOTORS AND OTHER ROTATING / VIBRATING EQUIPMENT FOR INDOOR PUMP MOTORS AND ALL OUTDOOR LOCATIONS FLEXIBLE LIQUID-TIGHT CONDUIT CONNECTIONS SHALL BE MADE.
- TAPS AND SPLICES FOR BRANCH CIRCUITS AND FEEDERS LARGER THAN #10 AWG SHALL BE MADE WITH BURNDY "INSUL-TAP" TYPE BIPC, OR APPROVED EQUAL, INSULATION PIERCING CONNECTORS OR BURNDY "HYLUG", OR APPROVED EQUAL, COMPRESSION SPLICES.
- TAPS AND SPLICES FOR BRANCH CIRCUITS AND FEEDERS #10 AWG AND SMALLER SHALL BE MADE WITH IDEAL MODELS 410, 411 AND 412 CRIMP CONNECTORS, OR APPROVED EQUAL, WITH MODELS 415 OR 417 INSULATED CAPS.
- BRANCH CIRCUIT AND FEEDER TAPS SHALL BE FULL CIRCUIT SIZE UP TO THEIR OVERCURRENT PROTECTION DEVICE.
- CONNECTIONS TO FIXTURE AND MOTOR LEADS #10 AWG AND SMALLER SHALL BE MADE WITH 3M "SCOTCHLOK" PRE-INSULATED SPRING PRESSURE CONNECTORS TYPES Y, R OR G OR APPROVED EQUAL.
- STRANDED WIRING CONDUCTORS SHALL BE MADE UP TO SCREW TERMINALS WITH 3M, T&B OR PANDUIT LOCKING FORK CRIMP TERMINALS WITH NYLON INSULATED GRIPS.
- WIRE EXIT SIGNS AND EMERGENCY LIGHTING FIXTURES (UNIT EQUIPMENT) TO LOCAL AREA LIGHTING CIRCUIT SERVING THE RESPECTIVE AREA AHEAD OF SWITCH / DIMMER CONTROL.
- CONTRACTOR SHALL COORDINATE ALL CONSTRUCTION AND INSTALLATION DETAILS AND VERIFY ALL MANUFACTURER'S REQUESTS PRIOR TO ANY SUBMISSION FOR CONSIDERATION BY THE ARCHITECT, ENGINEER OR OWNER.
- WIRING RUNS INDICATED ON THE DRAWINGS EXPRESS THE INTENT OF CIRCUIT ASSIGNMENT AND SWITCH CONTROL. ACTUAL WIRING METHODS USED SHALL BE SUITED FOR THE CONSTRUCTION OF THE BUILDING. REFER TO DRAWINGS OF OTHER TRADES AND EXISTING CONDITIONS. SEE ARCHITECTURAL DRAWINGS FOR DETAILS. NUMBER OF CONDUCTORS IS NOT ALWAYS INDICATED
- PROVIDE DISCONNECT SWITCHES OF REQUIRED TYPE AND RATINGS FOR ALL APPLIANCES, EQUIPMENT, MOTORS AND CONTROLLERS WHERE NOT FURNISHED WITH EQUIPMENT. WHERE DISCONNECT SWITCHES ARE FURNISHED AND INSTALLED WITH EQUIPMENT, INSTALL AND PROVIDE CONDUIT AND WIRING FOR SWITCHES. FOR FRACTIONAL HORSEPOWER MOTORS, PROVIDE MOTOR RATED TOGGLE TYPE DISCONNECT SWITCHES.
- INSTALL MOTOR STARTERS, CONTROLLERS OR COMBINATION STARTERS FURNISHED FOR EACH MOTOR OR EQUIPMENT BY OTHERS. LOCATE AS DIRECTED IN THE FIELD.
- PROVIDE UN-SWITCHED 125 VOLT 20 AMP RECEPTACLE OUTLETS LOCATED ON THE SAME LEVEL AND WITHIN 25 FEET OF ALL HEATING, AIR-CONDITIONING AND REFRIGERATION EQUIPMENT UNLESS OTHERWISE NOTED.
- ROUTE RACEWAYS THROUGH ROOF USING DEDICATED ROOF JACKS OR PITCH POCKETS. RUN RACEWAY ON ROOF ON DEDICATED ROOF SUPPORTS EIGHT INCHES HIGH MINIMUM.
- PROVIDE SEISMIC RESTRAINTS AND ANCHORS FOR ENGINE-DRIVEN GENERATORS, LIGHTING FIXTURES, MOTOR CONTROL CENTERS, FLOOR MOUNTED SWITCHBOARDS, SWITCHGEAR, TRANSFORMERS, WIREWAYS AND CONDUITS LARGER THAN 2-1/2" INCHES TRADE DIAMETER. PROVIDE SWAY BRACES FOR CONDUIT AND EQUIPMENT SUSPENDED FROM THE OVERHEAD. PROVIDE ANCHOR BOLTS FOR FLOOR AND WALL MOUNTED EQUIPMENT. COMPLY WITH INTERNATIONAL BUILDING CODE CHAPTER 16 - STRUCTURAL DESIGN AND CHAPTER 17 - STRUCTURAL TESTING AND INSPECTIONS.
- ALL 125 VOLT, SINGLE PHASE, 15- AND 20-AMPERE SINGLE AND DUPLEX RECEPTACLES WHICH DO NOT SERVE A DEDICATED APPLIANCE AND ARE WITHIN A 6 FOOT RADIUS OF A SINK, ARE INSTALLED IN WET LOCATIONS, ARE INSTALLED IN BATHROOMS, ON ROOFS, OR OUTDOORS WITH DIRECT GRADE ACCESS, SHALL BE GROUND FAULT CIRCUIT INTERRUPTING TYPE WHERE AVAILABLE OR SHALL BE PROTECTED BY GROUND FAULT CIRCUIT INTERRUPTING CIRCUIT BREAKERS.
- DO NOT INSTALL EXPOSED WIRING, OR CABLE NOT U. L. LISTED FOR THE PURPOSE, WOOD SUPPORTS OR ANCHORAGES; NONMETALLIC CONDUIT, BOXES OR FITTINGS; OR VINYL, PLASTIC, NYLON, OR OTHER COMBUSTIBLE OR SMOKE PRODUCING IDENTIFICATION OR CONSTRUCTION MATERIALS IN THE SPACE ABOVE HUNG CEILING USED AS A PLENUM FOR THE RETURN OF ENVIRONMENTAL AIR.
- DEMONSTRATE PRODUCT CAPABILITY AND COMPLIANCE WITH REQUIREMENTS OF ALL ELECTRICAL DEVICES, EQUIPMENT AND SYSTEMS.
- PERFORM MANUFACTURER'S RECOMMENDED TESTS AND SUBMIT RESULTS.
- VERIFY PROPER ROTATION OF ALL ROTATING ELECTRICAL MACHINERY.
- TEST SWITCHBOARDS, PANELBOARDS, TRANSFORMERS, CABLES, BUS DUCTS, SWITCHES, CIRCUIT BREAKERS, GROUNDING SYSTEM, GROUND FAULT PROTECTION SYSTEM, SURGE ARRESTORS AND TVSS DEVICES, GENERATORS, AND TRANSFER SWITCHES IN ACCORDANCE WITH APPLICABLE SECTIONS OF INTERNATIONAL ELECTRICAL TESTING ASSOCIATION ACCEPTANCE TESTING SPECIFICATIONS FOR ELECTRIC POWER DISTRIBUTION EQUIPMENT AND SYSTEMS NETA ATS-1999. PERFORM EACH VISUAL AND MECHANICAL INSPECTION AND ELECTRICAL TEST LISTED.
- PROVIDE TWO SETS OF OPERATION AND MAINTENANCE MANUALS, BOUND AND INDEXED, WITH INSTRUCTIONS FOR ALL ELECTRICAL DEVICES, EQUIPMENT, APPLIANCES AND SYSTEMS.
- PROVIDE ONE SET OF REPRODUCIBLE CONTRACT DRAWINGS, OR DIGITAL DATA FILES USING SAME SOFTWARE PROGRAM, VERSION, AND OPERATING SYSTEM AS CONTRACT DOCUMENTS, THAT HAVE BEEN REVISED AND ANNOTATED TO REFLECT THE AS-BUILT CONDITIONS OF THE PROJECT.
- DELIVER CERTIFICATES OF ELECTRICAL AND OTHER INSPECTIONS, OR COPIES THEREOF, TO THE OWNER AT THE COMPLETION OF THE PROJECT WITH COPIES TO THE ENGINEER.
- GUARANTEE ALL WORK IN WRITING TO THE OWNER AGAINST ANY AND ALL DEFECTS IN MATERIAL AND WORKMANSHIP FOR A PERIOD OF ONE YEAR FROM DATE OF ACCEPTANCE AND PERFORM ALL CORRECTIVE WORK AT NO COST TO THE OWNER.
- A CONTRACTOR MAKING A BID FOR WORK ON THIS PROJECT IS MADE AWARE BY THIS NOTE THAT IT IS THE INTENT OF THE OWNER TO HAVE A COMPLETELY INSTALLED JOB. THE CONTRACTOR MAKING A BID FOR THIS WORK WARRANTS THAT THEY WILL COMPLETE AND WIRE, PROVIDING ALL NECESSARY ELECTRICAL WORK FOR EQUIPMENT SHOWN AND / OR DETAILED ON ANY PROJECT DRAWINGS OR SPECIFICATIONS AND NOT JUST THOSE COMMONLY REFERRED TO AS A SINGLE TRADE DRAWING UNLESS SPECIFICALLY IDENTIFIED ELSEWHERE AS WORK OF OTHER TRADES. WHERE EQUIPMENT REQUIRING WIRING IS SPECIFIED OR SHOWN ON DRAWINGS OTHER THAN ELECTRICAL DRAWINGS, OR INDICATED, OR IMPLIED, SUCH AS ON SHOP DRAWINGS SUBMITTED LATER, THE CONTRACTOR CAN AND SHALL REQUEST DIRECTION REGARDING CIRCUIT SIZING PROTECTION AND ROUTING WHERE NECESSARY BUT SHALL UNDERSTAND ALL NECESSARY WORK TO COMPLETE THE INSTALLATION SHALL BE PERFORMED AT NO ADDITIONAL COST TO THE OWNER OR PROJECT.

SINGLE LINE DIAGRAM LEGEND		
SYMBOL	DESCRIPTION	COMMENTS
	LINE VOLTAGE THERMOSTAT, 120V, 10A.	
	CIRCUIT BREAKER WITH TRIP AND POLES AS NOTED; 100 AMP FRAME, 100 AMP TRIP.	
	TRANSFER SWITCH 'TS1'; SEE TRANSFER SWITCH SCHEDULE.	
	DISTRIBUTION PANEL P1 WITH 30A, 2 POLE M.C.B.; SEE DISTRIBUTION PANEL SCHEDULE.	
	UNFUSED DISCONNECT SWITCH DS1, 100 AMP; SEE DISCONNECT SWITCH SCHEDULE.	
	FUSED DISCONNECT SWITCH 'DS1', FUSED AT 100 AMP SIZE, 100 AMP FUSED, 3 POLES; SEE DISCONNECT SWITCH SCHEDULE.	
	GENERATOR SET 'G'	
	ELECTRIC METER AND METER PAN AS PER PSEG REQUIREMENTS.	
	MOTOR, NUMBER INDICATES HORSEPOWER.	
	CURRENT TRANSFORMERS.	
	VOLTAGE TRANSFORMERS.	
	UNINTERRUPTIBLE POWER SUPPLY	
	TRANSFORMER T2' WITH SIZE, PRIMARY AND SECONDARY VOLTAGES AS NOTED.	
	CONTROL CIRCUIT; MIN 2 #12 AWG IN 3/4" E.C.	

ELECTRICAL LEGENDS		
SYMBOL	DESCRIPTION	COMMENTS
	SINGLE POLE TOGGLE SWITCH: 120V, 20A	46" AFF TO CL UON
	THREE - WAY SWITCH: 120V, 20A	46" AFF TO CL UON
	SINGLE POLE DIMMER SWITCH	46" AFF TO CL UON
	SINGLE POLE KEY SWITCH: 120V, 20A	46" AFF TO CL UON
	LIGHTING CONTROLS TOUCHPAD	46" AFF TO CL UON
	OCCUPANCY SENSOR - DUAL TECHNOLOGY - CEILING MOUNTED	
	2 #12 AWG + #12 AWG GND IN 3/4" E.C. CONCEALED IN WALL OR CEILING	
	3 #12 AWG + #12 AWG GND IN 3/4" E.C. CONCEALED IN OR BELOW SLAB	
	LIGHTING CONTROL RELAY POWER PACK	
	DUPLEX RECEPTACLE: 120V, 20A.	FLUSH
	DUPLEX RECEPTACLE: 120V, 20A. MOUNTED 6" ABOVE COUNTER	FLUSH
	QUAD RECEPTACLE: 120V, 20A.	FLUSH
	FIRE ALARM MANUAL PULL STATION	46" AFF
	FIRE ALARM SMOKE DETECTOR	
	FIRE ALARM HEAT DETECTOR	
	FIRE ALARM HEAT DETECTOR - MOUNTED ABOVE CEILING	
	FIRE ALARM HORN / STROBE	80" - 96" AFF
	FIRE ALARM STROBE	80" - 96" AFF
	GFCI RECEPTACLE: 120V, 20A.	
	HAND DRYER	
	ELECTRICAL PANEL, RECESSED; SEE PANEL SCHEDULE.	
	ELECTRICAL PANEL, SURFACE MOUNT; SEE PANEL SCHEDULE.	
	CONDUIT GOING UP.	
	CONDUIT GOING DOWN.	
	LIGHT FIXTURE	
	LIGHT FIXTURE WITH EMERGENCY BATTERY PACK	
	"HALO" SMART SENSOR DETECTOR	
	SECONDARY SERVER RACK	

LIGHTING FIXTURE SCHEDULE								
SYMBOL	TYPE	MANUFACTURER	CATALOG NUMBER	DESCRIPTION	MOUNTING	LAMPS	VOLTAGE	FIXTURE WATTAGE
		COLUMBIA	LCAT22-35MLG-EU EMERGENCY LCAT22-35MLG-EU-ELL14ST	2' X 2' AMBIENT LED TROFFER, CURVED LENS, 3380 LM, 80 CRI 3500K. EMERGENCY 1400 LUMEN EMERGENCY BATTERY PACK	RECESSED	LED	120	29
<b>NOTES:</b>					<b>EMERGENCY TYPE LEGEND:</b>			
1. VERIFY CEILING TYPE AND OPERATING VOLTAGE BEFORE ORDERING LIGHTING FIXTURES. COORDINATE COMPATIBILITY OF FIXTURES WITH BUILDING CONSTRUCTION FOR AVAILABLE SPACE, CLEARANCE, ACCESSIBILITY, ETC.					FIXTURES HALF SHADED SHALL INCLUDE AN INTEGRAL OR REMOTE EMERGENCY BATTERY PACK TO PROVIDE A MINIMUM OF 90 MINUTES OF EMERGENCY LIGHTING.			
2. THE LIGHTING MANUFACTURERS AND CATALOG NUMBERS INDICATED IN THE ABOVE LIGHTING FIXTURE SCHEDULE REPRESENT THE BASIS OF DESIGN SELECTIONS FOR THIS PROJECT AND COMPLY WITH THE 10TH EDITION OF THE I.E.S. LIGHTING HANDBOOK ILLUMINATION LEVEL REQUIREMENTS AND ASHRAE STANDARD 90.1 - 2013 ENERGY STANDARD REQUIREMENTS. THE REQUIREMENTS OF SECTION 260500.10 "SPECIAL REQUIREMENTS FOR ELECTRICAL WORK" OF THE CONTRACT SPECIFICATIONS MUST BE FOLLOWED SHOULD THE CONTRACTOR ELECT TO SUBSTITUTE AN ALTERNATE MANUFACTURER FOR ANY OF THE LIGHT FIXTURE TYPES. PERFORMANCE OF THE FIXTURE IS CRITICAL AND PROVIDING PHOTOMETRIC DATA IS AN ALTERNATE REQUIREMENTS IN DETERMINING WHETHER THE SUBMITTED LIGHT FIXTURE CAN PROVIDE THE REQUIRED NORMAL AND EMERGENCY LIGHTING ILLUMINATION LEVELS BASED ON THE QUANTITY AND LOCATIONS OF THE LIGHT FIXTURES INDICATED ON THE CONTRACT LIGHTING PLAN DRAWINGS.								

LIST OF DRAWINGS	
E 001.00	GENERAL NOTES AND LEGENDS
ED 101.00	DEMOLITION PLAN PART. FIRST FLOOR
ED 102.00	DEMOLITION PLAN PART. SECOND FLOOR
E 101.00	ELECTRICAL PLANS PART. FIRST FLOOR
E 102.00	ELECTRICAL PLANS PART. SECOND FLOOR
E 500.00	ELECTRICAL DETAILS

SITE PLAN LEGEND	
	CURB
	UTILITY POWER/TELEPHONE POLE
	EXISTING NATURAL GAS SERVICE
	EXISTING SEWER SERVICE
	EXISTING WATER SERVICE
	EXISTING TELEPHONE SERVICE
	NEW TELEPHONE SERVICE
	EXISTING ELECTRICAL LINES
	NEW ELECTRICAL LINES
	EXISTING PRIMARY ELECTRIC SERVICE
	NEW PRIMARY ELECTRIC SERVICE
	EXISTING OVERHEAD ELECTRIC LINES
	EXISTING FENCE
	ELECTRIC PULL BOX
	HANDHOLE
	TRANSFORMER

SYMBOLS LEGEND	
	ROOM DESIGNATION
	BUILDING SECTION CUT
	WALL SECTION CUT
	DETAIL KEY
	ELEVATION KEY
	COLUMN GRID
	ELEVATION LINE
	DRAWING TITLE
	INTERIOR ELEVATION REFERENCE
	SEE NOTE # ON DWG

ABBREVIATIONS		
ABBREVIATION	DESCRIPTION	COMMENTS
AFF	ABOVE FINISHED FLOOR	
AFC	ABOVE FINISHED CEILING	
AFCI	ARC FAULT CIRCUIT INTERRUPTER	
AFG	ABOVE FINISHED GRADE	
AHJ	AUTHORITY HAVING JURISDICTION	
AMP, A	AMPERE	
ATS	AUTOMATIC TRANSFER SWITCH; SEE TRANSFER SWITCH SCHEDULE	
AWG	AMERICAN WIRE GAUGE	
BFC	BELOW FINISHED CEILING	
CL	CENTERLINE	
CT	COUNTER TOP	
EC	ELECTRICAL CONDUIT	
GFCI	GROUND FAULT CIRCUIT INTERRUPTER	
GFI	GROUND FAULT INDICATOR	
GND	GROUND	
PSEG	PUBLIC SERVICE ELECTRIC AND GAS COMPANY (LOCAL ELECTRIC UTILITY)	
MCB	MAIN CIRCUIT BREAKER	
MLO	MAIN LUGS ONLY	
NTS	NOT TO SCALE	
TYP	TYPICAL	
UON	UNLESS OTHERWISE NOTED	
UC	UNDER COUNTER	
V	VOLT	
VAC	VOLTS ALTERNATING CURRENT	
VDC	VOLTS DIRECT CURRENT	
X-FMR	TRANSFORMER	
WP	WEATHERPROOF	

2700 Westchester Ave., Suite 415  
Purchase, NY 10577  
914.358.5623 • www.h2m.com

CONSULTANTS:		
MARK	DATE	DESCRIPTION
	11-03-21	FINAL BID SET



DESIGNED BY: SRF	DRAWN BY: SRF	CHECKED BY:	REVIEWED BY:
PROJECT NO.: WPSD 2007	DATE: NOVEMBER 2021	SCALE:	AS SHOWN

**White Plains City School District**

**Toilet Room Renovations at the George Washington Elementary School**

100 Orchard Street  
White Plains NY, 10604

66-22-00-01-0-009-016

CONTRACT	<b>CONTRACT G GENERAL CONSTRUCTION</b>
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STATUS	<b>FINAL BID DOCUMENT</b>
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SHEET TITLE	<b>GENERAL NOTES AND LEGENDS</b>
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DRAWING NO. E 001.00

X:\WPSD\White Plains Central School District - 10991\WPSD 2007 - George Washington Toilet Room Renovations\02-BIM\CADD\Concocted\02-E 001.00 - General Notes and Legends.dwg Last Modified: Nov-02-2021 11:03am By: JRemmen









**COPPER BRANCH CIRCUIT WIRE SIZING TABLES - 208V - 3% VOLTAGE DROP**

C/B TRIP		208V, 3P, 3W 120/208V, 3P, 4W				208V, 2P, 2W 120/208V, 2P, 3W				120V, 1P, 2W			
		15	20	30	40	15	20	30	40	15	20	30	40
15	DISTANCE IN FEET	177	273	429	153	236	371	578	88	136	214	333	500
	MINIMUM WIRE SIZE	12	10	8	12	10	8	6	12	10	8	6	4
20	DISTANCE IN FEET	132	205	322	115	177	279	433	66	102	161	250	375
	MINIMUM WIRE SIZE	12	10	8	12	10	8	6	12	10	8	6	4
30	DISTANCE IN FEET	136	214	334	118	186	289	433	68	107	167	250	313
	MINIMUM WIRE SIZE	10	8	6	10	8	6	4	10	8	6	4	3
40	DISTANCE IN FEET	161	250	375	139	217	325	406	80	125	188	234	281
	MINIMUM WIRE SIZE	8	6	4	8	6	4	3	8	6	4	3	2
50	DISTANCE IN FEET	129	200	300	111	173	260	325	64	100	150	188	225
	MINIMUM WIRE SIZE	8	6	4	8	6	4	3	8	6	4	3	2
60	DISTANCE IN FEET	167	250	313	144	217	271	325	83	125	156	188	234
	MINIMUM WIRE SIZE	6	4	3	6	4	3	2	6	4	3	2	1
70	DISTANCE IN FEET	214	268	322	186	232	279	348	107	134	161	201	
	MINIMUM WIRE SIZE	4	3	2	4	3	2	1	4	3	2	1	
80	DISTANCE IN FEET	188	235	281	163	203	244	305	94	117	141	176	
	MINIMUM WIRE SIZE	4	3	2	4	3	2	1	4	3	2	1	
90	DISTANCE IN FEET	208	250	313	181	217	271		104	125	156		
	MINIMUM WIRE SIZE	3	2	1	3	2	1		3	2	1		
100	DISTANCE IN FEET	188	225	281	163	195	244		94	113	141		
	MINIMUM WIRE SIZE	3	2	1	3	2	1		3	2	1		

**NOTES:**

- READ ACROSS TO THE RIGHT FROM C/B TRIP TO DESIRED VOLTAGE CHARACTERISTICS AND NEXT GREATER DISTANCE THAN CIRCUIT IN QUESTION.
- READ DOWN TO MINIMUM WIRE SIZE.
- DISTANCES ARE TO THE CENTER OF CONCENTRATED LOAD SUCH AS CLASSROOM LIGHTING OR THE MIDPOINT OF DISTRIBUTED LOAD SUCH AS CORRIDOR LIGHTING.
- EQUIPMENT GROUNDING CONDUCTORS SHALL BE INCREASED IN SIZE PROPORTIONATELY PER N.E.C.

**NOTES TO PANELBOARD SCHEDULES AND BRANCH CIRCUIT WIRE SIZING TABLES**

**WIRE SIZING**

UNLESS OTHERWISE INDICATED, MINIMUM WIRE AMPACITY SHALL BE GREATER THAN OR EQUAL TO THE BRANCH CIRCUIT TRIP BASED ON COPPER CONDUCTOR WITH 90-DEGREE C THHN INSULATION APPLIED AT ITS 75-DEGREE C AMPACITY.

REFER TO THE BRANCH CIRCUIT WIRE SIZING TABLES FOR DISTANCE LIMITATIONS FOR THE MINIMUM WIRE SIZE AND FOR SELECTING THE PROPER WIRE SIZE FOR THE DISTANCE AND VOLTAGE DROP INVOLVED.

**NUMBER OF CONDUCTORS**

UNLESS OTHERWISE INDICATED, QUANTITIES OF WIRES SHALL BE BASED ON AN INDIVIDUAL HOMERUN FOR EACH CIRCUIT AS FOLLOWS.

PHASE CONDUCTOR	FULL CIRCUIT SIZE NEUTRAL CONDUCTOR	FULL CIRCUIT SIZE EQUIPMENT GROUNDING CONDUCTOR	FULL CIRCUIT SIZE ISOLATED GROUND CONDUCTOR
1 POLE CIRCUIT	1	1	0
1 POLE DATA/ COMPUTER CIRCUIT	1	1	1
2 POLE CIRCUIT	2	1	0
3 POLE CIRCUIT	3	1	0
3 POLE MOTOR CIRCUIT DELTA	3	0	1
3 POLE MOTOR CIRCUIT WYE	3	1	0

CONSECUTIVE INDIVIDUAL 20 AMP LINE TO NEUTRAL BRANCH CIRCUITS MAY NOT BE COMBINED INTO MULTIWIRE BRANCH CIRCUITS HAVING HOMERUNS WITH A COMMON NEUTRAL CONDUCTOR.

SINGLE PHASE, TWO POLE, TWO WIRE, LINE TO LINE, BRANCH CIRCUITS AND SINGLE PHASE, TWO POLE, THREE WIRE, LINE TO LINE PLUS NEUTRAL, BRANCH CIRCUITS SHALL HAVE INDIVIDUAL UNCOMBINED HOMERUNS.

COMBINED TWO AND THREE CIRCUIT HOMERUNS SHALL HAVE SEPARATE NEUTRALS FOR EACH CIRCUIT BUT A COMMON EQUIPMENT GROUNDING CONDUCTOR AND A COMMON ISOLATED GROUNDING CONDUCTOR MAY BE USED.

PHASE CONDUCTOR	FULL CIRCUIT SIZE NEUTRAL CONDUCTOR	FULL CIRCUIT SIZE EQUIPMENT GROUNDING CONDUCTOR	FULL CIRCUIT SIZE ISOLATED GROUND CONDUCTOR
TWO 1 POLE HOMERUNS	2	1	0
TWO 1 POLE DATA/COMP. CIRCUIT HOMERUNS	2	1	1
THREE 1 POLE HOMERUNS	3	1	0
THREE 1 POLE DATA/COMP. CIRCUIT HOMERUNS	3	1	1

**WIRE DERATING**

COMBINED HOMERUNS SHALL HAVE THE MINIMUM BRANCH CIRCUIT WIRE SIZE INCREASED IN ACCORDANCE WITH CURRENT NATIONAL ELECTRICAL ADJUSTMENT FACTORS FOR NUMBER OF CURRENT CARRYING CONDUCTORS IN A RACEWAY.

NEUTRAL CONDUCTORS FOR FLUORESCENT AND HIGH INTENSITY DISCHARGE LIGHTING CIRCUITS ARE CURRENT CARRYING CONDUCTORS.

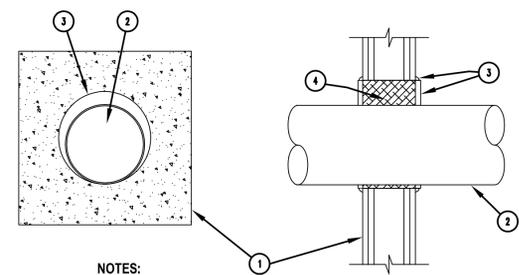
INDIVIDUAL NEUTRAL CONDUCTOR FOR COMBINED HOMERUNS FOR DATA / COMPUTER OUTLETS ARE CURRENT CARRYING CONDUCTORS.

NEUTRAL CONDUCTORS FOR DIMMING CIRCUITS ARE CURRENT CARRYING CONDUCTORS.

**RACEWAY SIZING**

ALL RACEWAYS SHALL BE SIZED IN ACCORDANCE WITH THE CURRENT NATIONAL ELECTRICAL CODE IN EFFECT AS A MINIMUM SIZE. THE MORE COMMON SIZES ARE INCLUDED HERE FOR THE CONTRACTOR'S CONVENIENCE.

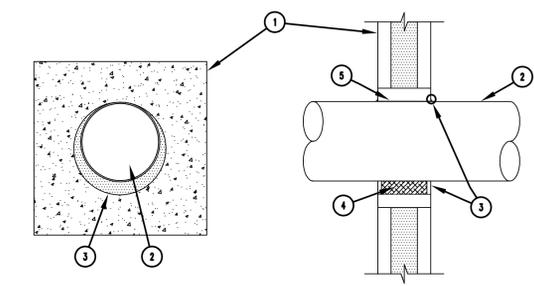
WIRE SIZE	NO. OF CONDUCTORS	MINIMUM CONDUIT SIZE	WIRE SIZE	NO. OF CONDUCTORS	MINIMUM CONDUIT SIZE
12	3	3/4"	8	3	3/4"
12	4	3/4"	8	4	3/4"
12	5	3/4"	8	5	3/4"
12	6	3/4"	8	6	1"
12	7	3/4"	8	7	1"
12	8	3/4"	8	8	1"
10	3	3/4"	6	3	3/4"
10	4	3/4"	6	4	3/4"
10	5	3/4"	6	5	1"
10	6	3/4"	6	6	1"
10	7	3/4"	6	7	1-1/4"
10	8	3/4"	6	8	1-1/4"



- NOTES:**
- RATED GYPSUM WALL BOARD ASSEMBLY.
  - MAXIMUM 10" TRADE SIZE STEEL CONDUIT OR EMT.
  - STI SPECSEAL SERIES 100 SEALANT INSTALLED TO A 1/2" DEPTH FLUSH TO THE END OF THE SLEEVE WITH AN ADDITIONAL 1/4" CROWN APPLIED AROUND THE SLEEVE / WALL INTERFACE. ANNULUS RANGING FROM 1/8" MINIMUM TO 2 1/4" MAXIMUM.
  - STEEL SLEEVE PACKED WITH MINERAL WOOL BATT, TO FULL THICKNESS RECESSED FROM BOTH SIDES TO ACCOMMODATE FILL MATERIAL.

**1 OR 2 HOUR RATED FIRESTOP FOR METALLIC CONDUIT THRU GYPSUM BOARD WALLS**

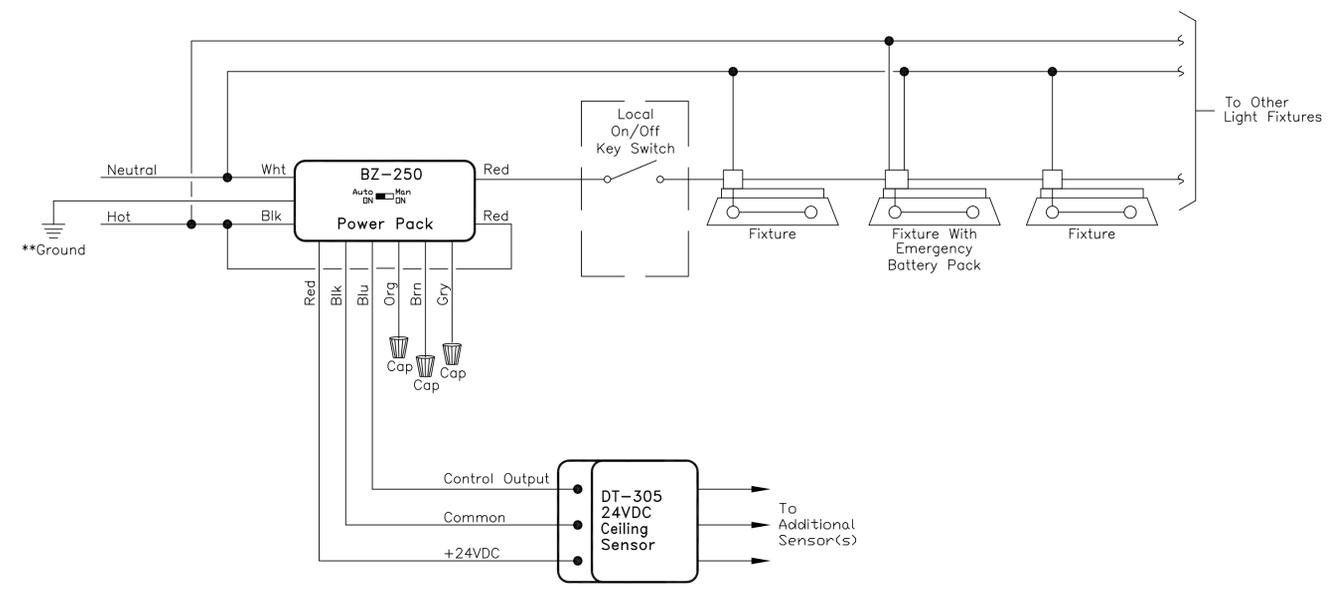
SCALE: NONE U.L. SYSTEM NUMBER WL-1054



- NOTES:**
- CONCRETE SLAB OR CONCRETE OVER STEEL DECK.
  - MAXIMUM 8" TRADE SIZE STEEL CONDUIT, ANNULUS RANGING FROM POINT CONTACT TO 1.4" MAXIMUM.
  - STI SPECSEAL SERIES 100 SEALANT INSTALLED TO A 1/2" DEPTH.
  - MINERAL WOOL BATT, NOMINAL 4PCF, TO FULL THICKNESS RECESSED FROM BOTH SIDES TO ACCOMMODATE FILL MATERIAL.
  - STEEL SLEEVE.
- \*NOTE: A MINIMUM ANNULAR SPACE OF 1/4" AND A 28 GAUGE STEEL COVER PLATE ARE REQUIRED FOR A 4 HOUR RATING.
- \*\*NOTE: AT POINT CONTACT APPLY A 3/8" COVE BEAD OF SEALANT BETWEEN PIPE AND BOTH SURFACES OF WALL.

**3 HOUR RATED FIRESTOP FOR METALLIC CONDUIT THRU NEW MASONRY WALLS**

SCALE: NONE U.L. SYSTEM NUMBER C-AJ-1150



**1 Lighting Control Detail**

SCALE: N.T.S.

- NOTES:**
- LIGHTING CONTROL DETAIL IS BASED ON EQUIPMENT FROM LEGRAND WATTSTOPPER.
  - WIRING OF THE LIGHTING CONTROL SYSTEM SHALL BE ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS.
  - OCCUPANCY SENSOR LAYOUT / SPACING COVERAGE SHALL HAVE A 20% OVERLAP.

2700 Westchester Ave., Suite 415  
Purchase, NY 10577  
914.358.5623 • www.h2m.com

CONSULTANTS:

MARK	DATE	DESCRIPTION
	11-03-21	FINAL BID SET



DESIGNED BY: SRF DRAWN BY: SRF CHECKED BY: AS SHOWN REVIEWED BY:

PROJECT NO: WPSD 2007 DATE: NOVEMBER 2021 SCALE: AS SHOWN

**White Plains City School District**

**Toilet Room Renovations at the George Washington Elementary School**

100 Orchard Street  
White Plains NY, 10604

66-22-00-01-0-009-016

CONTRACT **CONTRACT G**  
**GENERAL CONSTRUCTION**

STATUS **FINAL BID DOCUMENT**

SHEET TITLE **ELECTRICAL DETAILS**

DRAWING No. **E 500.00**