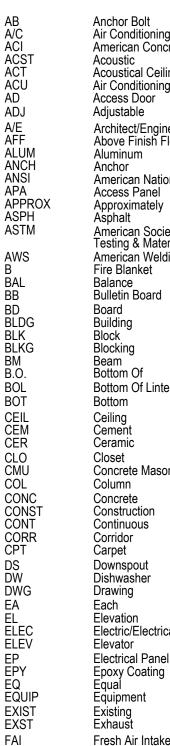
# 100 ORCHARD STREET WHITE PLAINS, NEW YORK 10604

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

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

# **ABBREVIATIONS**



Air Conditioning American Concrete Institute Acoustic Acoustical Ceiling Tile Air Conditioning Uni Access Door Adjustable Architect/Enginee Above Finish Floor Aluminum Anchor American National Standards Institute Access Panel Approximatel Asphalt American Society for Testing & Materiáls American Welding Society Fire Blanket Balance Bulletin Board Board Building Block Blocking Beam Bottom Of Bottom Of Linte Bottom Ceiling Cement Ceramic Close Concrete Masonry Unit Column Concrete Construction Continuous Corridor Carpet Downspout Dishwashe Drawing Each Elevation Electric/Electrical Elevator **Electrical Panel** Epoxy Coating

FR FTG GA GWB GYP GYP. BD HOR HW INSUL INT LT MAX MECH MISC NTS PLYWD PSF RCP RD REINF RM SIM SPEC STL TEMP ter Thk TYP UTIL VB VCT VERT

VTR

WWF

FIN

Finish

Fire Retardant Footing Gauge Gypsum Wall Board Gypsum Gypsum Board Handicapped Hollow Metal Horizontal Hot Water Insulation/Insulating Lavatory Leader Light Maximum Mechanical Miscellaneous Masonry Opening Moisture Resistant Not in Contract Not to Scale On Center **Outside Diameter** Plywood Pounds per Square Fool Pounds per Square Inch Polyvinyl Chloride Radius or Riser Reflected Ceiling Plan Roof Drain Reinforced Room

Rough Opening Specifications Square Stainless Steel Steel Temperature Terrazzo Thick Typical Utility Vapor Barrier Vinyl Composition Tile Vertical

Vent Thru Roof Water Closet Water Heater Welded Wire Fabric ALL WORK SHALL COMPLY WITH THE NEW YORK STATE FIRE PREVENTION BUILDING CODE AS WELL AS THE NEW YORK STATE EDUCATION DEPARTMENT N OF PLANNING STANDARDS.

**GENERAL NOTES** 

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

IT IS THE CONTRACTORS RESPONSIBILITY TO FIELD VERIFY ALL DIMENSIONS, SC FOOTAGES, LOCATIONS AND QUANTITIES OF ALL ITEMS AND/OR SPACES WHE INDICATED IN THE DRAWINGS OR NOT.

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

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

VERIFY EXACT LAYOUT COMPATIBILITY WITH ALL EXISTING CONDITIONS B **BEGINNING WORK.** 

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

EACH CONTRACTOR SHALL COMPLY WITH THE REQUIREMENTS OF ANSI AND PRI 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 A CONFLICT WITH THE CONTRACTORS.

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

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

LOCATION MAPS	SYMBOLS LEGEND	
WHITE PLAINS LOCAL MAP		1. "THE OCCUPIED POR" ALWAYS COMPLY WIT NECESSARY TO MAIN
	GYMNASIUM ROOM DESIGNATION GYPSUM	2. SPECIFIC AREAS HAV CONTAIN ASBESTOS MANUAL. THESE AREA
	CONCRETE SECTION MARK	WITH SPECIFICATION REPORT CAN BE VIEV AT 5 HOMESIDE LANE
E New States	A5.0 AGGREGATE SUB-BASE	3. "GENERAL SAFETY AN
Road Edward G. St	A5.1 DETAIL SYMBOL EARTH	(1) ALL CONSTRUCTION PRO
Area Area Area Area Area Area Area Area	A4.0 ELEVATION KEY BATT INSULATION	(1) ALL CONTROLLAND SAFE AND SECUR (2) FENCES AROUND
Cerrge Washington Hementery Scrool	INTERIOR ELEVATION PLYWOOD	SHALL BE MAINTA
		IS IN ATTENDANCE
	STEEL	(4) DURING EXTERIO PROTECTION SHA OR AREAS IMMED
	5 REVISION	SITE OR SUCH AF PROVIDED WITH V
Orchard St ard P1	3 PARTITION TYPE WOOD BLOCKING	(5) WORKERS SHALL PHOTO-IDENTIFIC IDENTIFICATION A WORKING AT OCC

F.C.

FD

Fire Code

Floor Drain

# White Plains City School District **TOILET ROOM RENOVATIONS AT**

GEORGE WASHINGTON ELEMENTARY SCHOOL

	DRAWING LIST	
ON AND MANUAL PPLY TO SQUARE HETHER NS AND OF THE TO THE JTES AS BEFORE S NOTED DNSIBLE DURING PROVIDE	DRAWING LIST.         STAGING PLAN, EXIT PLAN & LEGENDS         G00.00       GENERAL NOTES, MAPS, DRAWING LIST, STAGING PLAN, EXIT PLAN & LEGENDS         G100.00       EXISTING FIRST FLOOR PLAN         G102.00       EXISTING FIRST FLOOR PLAN         G102.00       EXISTING FIRST FLOOR PLAN         ASBESTOS ABATEMENT DRAWINGS         H01.00       ASBESTOS ABATEMENT GENERAL NOTES         H002.00       ASBESTOS ABATEMENT GIRL'S AND BOY'S TOLETS FLOOR PLANS 2ND FLOOR         H003.00       ASBESTOS ABATEMENT GIRL'S AND BOY'S TOLETS FLOOR PLANS 3ND FLOOR         H003.00       ASBESTOS ABATEMENT GIRL'S AND BOY'S TOLETS FLOOR PLANS 3ND FLOOR         ACHTECTURAL DRAWINGS         ACHTECTURAL DRAWINGS         AD100.00       ENLARGED DEMOLITION BATHROOM PLANS         AD100.00       ENLARGED DEMOLITION BATHROOM PLANS         AD100.00       ENLARGED BATHROOM PLANS         AD100.00       ENLARGED BATHROOM PLANS         AD100.00       ENLARGED BATHROOM PLANS         AD100.00       ENLARGED BATHROOM PLANS <tr< th=""><th>PS OD PS OD PS</th></tr<>	PS OD PS
of all Proved Ion. Hether Chitect	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	
MUST BE	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	Scale: NTS 1. POST SIGNS INDICATING CONSTRUCTION AREA AND CONSTRUCTION EMPLOYEE ENTRANCISION SCHEDULE BELOW.
		<ol> <li>CONSTRUCTION FENCE TO BE 8'-0" HIGH CHAIN LINK FENCE LOCATED A MINIMUM OF 15'-0" I ALL WINDOW OPENINGS. ALL GATES ARE TO BE LOCKED AT ALL TIMES, EXCEPT FOR WHEN WORKER IS IN ATTENDANCE TO PREVENT UNAUTHORIZED ENTRY. SEE LEGEND BELOW.</li> </ol>

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

WITH THE MINIMUM REQUIREMENTS AINTAIN A CERTIFICATE OF OCCUPANCY."

AVE BEEN TESTED AND FOUND TO OS AS DESCRIBED IN THE PROJECT REAS WILL BE ABATED IN ACCORDANCE ON SECTION 028200. A COPY OF THE EWED AT THE DISTRICT OFFICE LOCATED NE, WHITE PLAINS, NY 10605

AND SECURITY STANDARDS FOR OJECTS:

CTION MATERIALS SHALL BE STORED IN A RE MANNER.

ND CONSTRUCTION SUPPLIES OR DEBRIS

WAYS BE LOCKED UNLESS A WORKER ICE TO PREVENT UNAUTHORIZED ENTRY.

IOR RENOVATION WORK, OVERHEAD HALL BE PROVIDED FOR ANY SIDEWALKS EDIATELY BENEATH THE WORK AREAS SHALL BE FENCED OFF AND WARNING SIGNS TO PREVENT ENTRY.

L BE REQUIRED TO WEAR ICATION BADGES AT ALL TIMES FOR AND SECURITY PURPOSES WHILE CCUPIED SITES."

DRTION OF ANY SCHOOL BUILDING SHALL 4. "SEPARATION OF CONSTRUCTION AREAS FROM OCCUPIED SPACES: CONSTRUCTION AREAS WHICH ARE UNDER THE CONTROL OF A CONTRACTOR AND THEREFORE NOT OCCUPIED BY DISTRICT STAFF OR STUDENTS SHALL BE SEPARATED FROM OCCUPIED AREAS. PROVISIONS SHALL BE MADE TO PREVENT THE PASSAGE OF DUST AND CONTAMINANTS INTO OCCUPIED PARTS OF THE BUILDING. PERIODIC INSPECTION AND REPAIRS OF THE CONTAINMENT BARRIERS MUST BE MADE TO PREVENT EXPOSURE TO DUST OR CONTAMINANTS. GYPSUM BOARD MUST BE USED IN EXIT WAYS OR OTHER AREAS THAT REQUIRE FIRE RATED SEPARATION. HEAVY DUTY PLASTIC SHEETING MAY BE USED ONLY FOR A VAPOR, FINE DUST OR AIR INFILTRATION BARRIER, AND SHALL NOT BE USED TO SEPARATE OCCUPIED SPACES FROM CONSTRUCTION AREAS.

- (1) A SPECIFIC STAIRWELL AND/OR ELEVATOR SHALL BE ASSIGNED 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.
- (2) LARGE AMOUNTS OF DEBRIS MUST BE REMOVED BY USING ENCLOSED CHUTES OR A SIMILAR SEALED SYSTEM. THERE SHALL BE NO MOVEMENT OF DEBRIS THROUGH HALLS OF OCCUPIED SPACES OF THE BUILDING. NO MATERIAL SHALL BE DROPPED OR THROWN OUTSIDE THE WALLS OF THE BUILDING.
- (3) ALL OCCUPIED PARTS OF THE BUILDING AFFECTED BY RENOVATION ACTIVITY SHALL BE CLEANED AT THE CLOSE OF EACH WORKDAY, SCHOOL BUILDINGS OCCUPIED DURING A CONSTRUCTION PROJECT SHALL MAINTAIN REQUIRED HEALTH, SAFETY AND EDUCATIONAL CAPABILITIES AT ALL TIMES THAT CLASSES ARE IN SESSION."
- 5. A PLAN DETAILING HOW EXITING REQUIRED BY THE APPLICABLE BUILDING CODE WILL BE MAINTAINED.

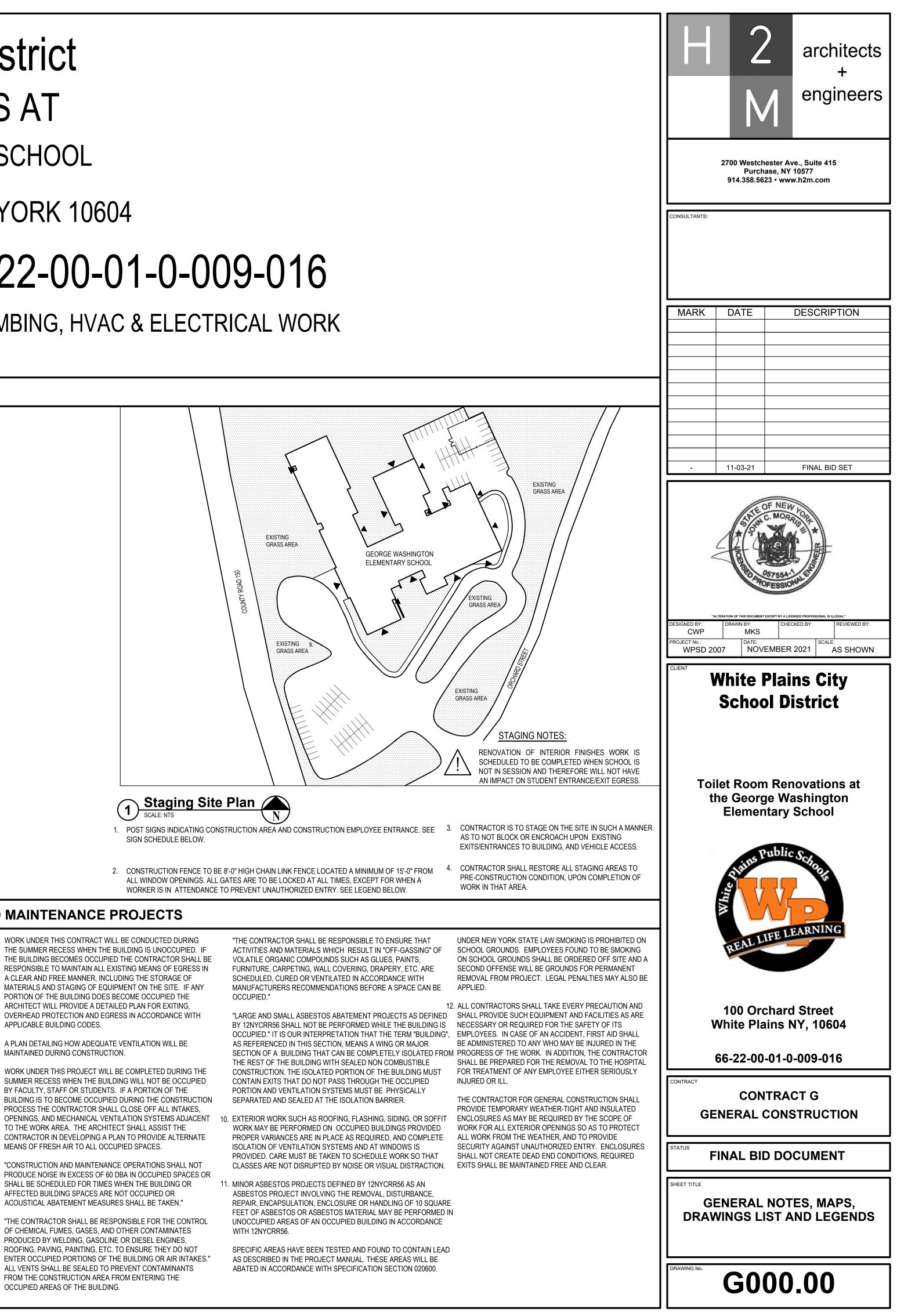
- 6. WORK UNDER THIS CONTRACT WILL BE CONDUCTED DURING THE SUMMER RECESS WHEN THE BUILDING IS UNOCCUPIED. IF THE BUILDING BECOMES OCCUPIED THE CONTRACTOR SHALL BE RESPONSIBLE TO MAINTAIN ALL EXISTING MEANS OF EGRESS IN A CLEAR AND FREE MANNER, INCLUDING THE STORAGE OF MATERIALS AND STAGING OF EQUIPMENT ON THE SITE. IF ANY PORTION OF THE BUILDING DOES BECOME OCCUPIED THE ARCHITECT WILL PROVIDE A DETAILED PLAN FOR EXITING, OVERHEAD PROTECTION AND EGRESS IN ACCORDANCE WITH APPLICABLE BUILDING CODES.
- 7. A PLAN DETAILING HOW ADEQUATE VENTILATION WILL BE MAINTAINED DURING CONSTRUCTION.
- 8. 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, TO THE WORK AREA. THE ARCHITECT SHALL ASSIST THE CONTRACTOR IN DEVELOPING A PLAN TO PROVIDE ALTERNATE MEANS OF FRESH AIR TO ALL OCCUPIED SPACES.

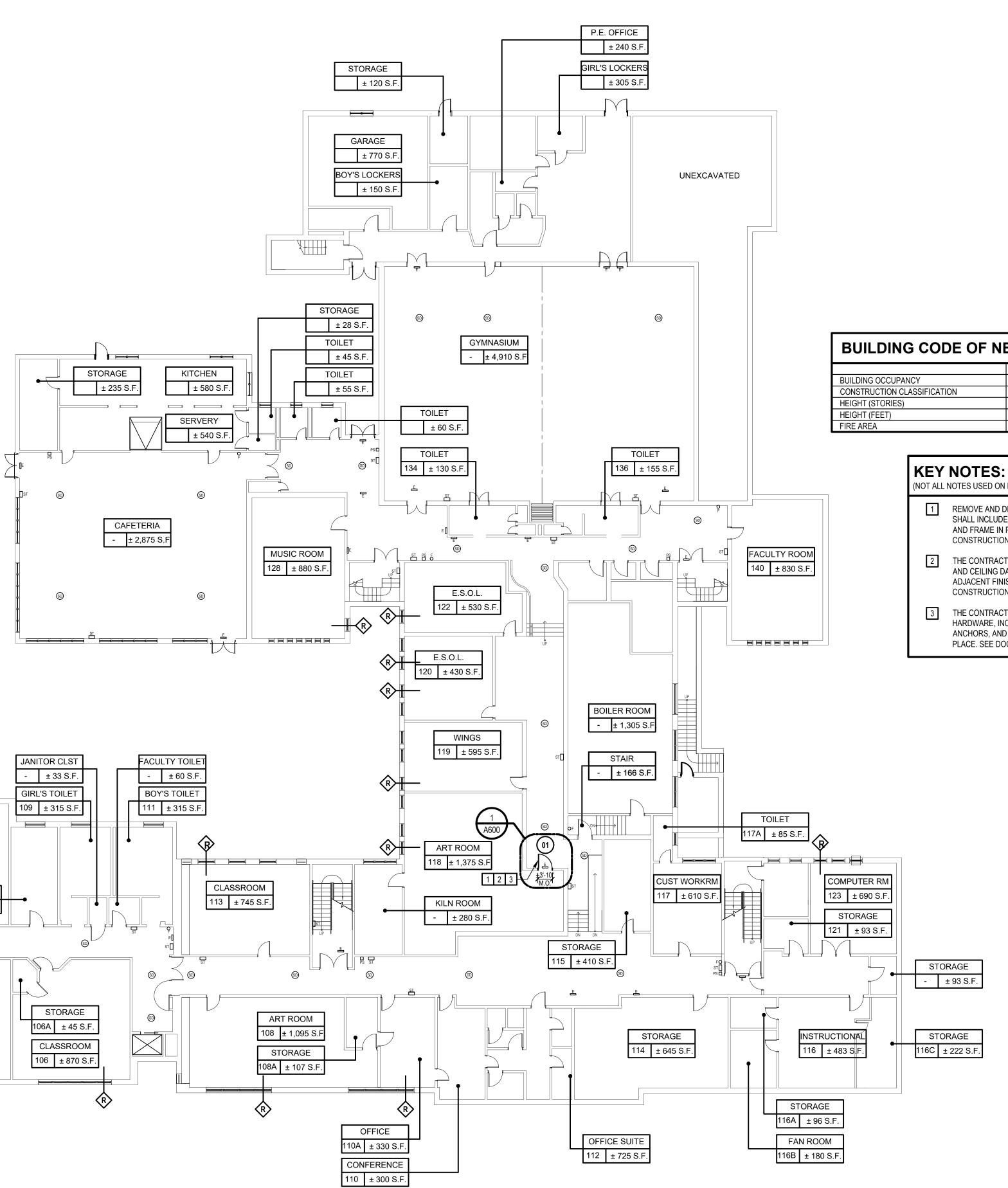
"CONSTRUCTION AND MAINTENANCE OPERATIONS SHALL NOT PRODUCE NOISE IN EXCESS OF 60 DBA IN OCCUPIED SPACES OR SHALL BE SCHEDULED FOR TIMES WHEN THE BUILDING OR AFFECTED BUILDING SPACES ARE NOT OCCUPIED OR ACOUSTICAL ABATEMENT MEASURES SHALL BE TAKEN."

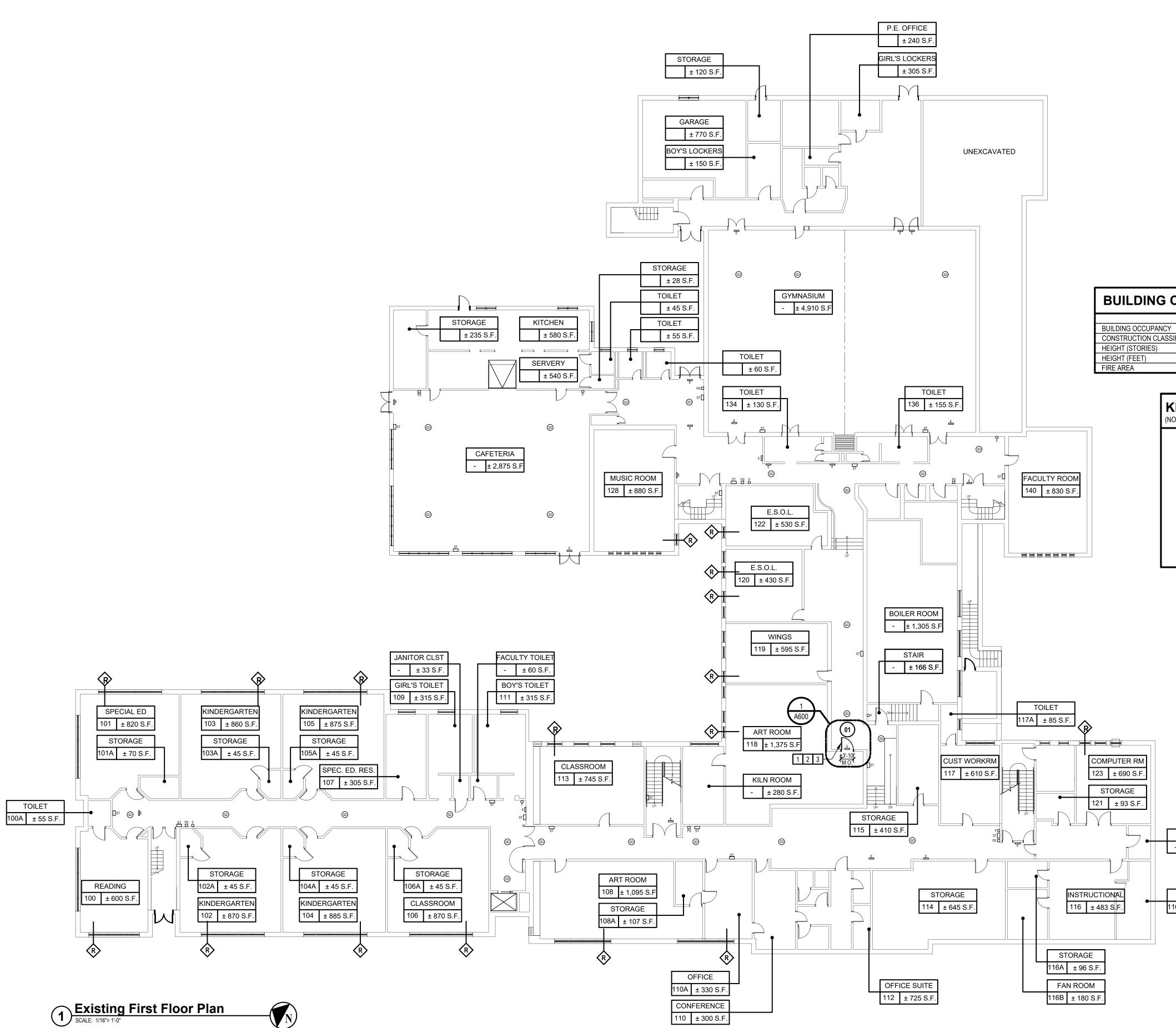
"THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONTROL OF CHEMICAL FUMES, GASES, AND OTHER CONTAMINATES PRODUCED BY WELDING, GASOLINE OR DIESEL ENGINES, ROOFING, PAVING, PAINTING, ETC. TO ENSURE THEY DO NOT ENTER OCCUPIED PORTIONS OF THE BUILDING OR AIR INTAKES." ALL VENTS SHALL BE SEALED TO PREVENT CONTAMINANTS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

OCCUPIED."

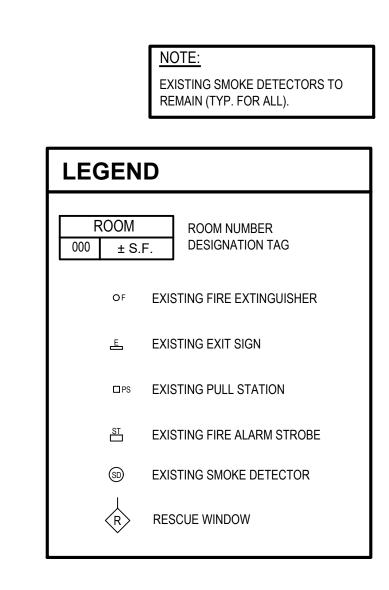
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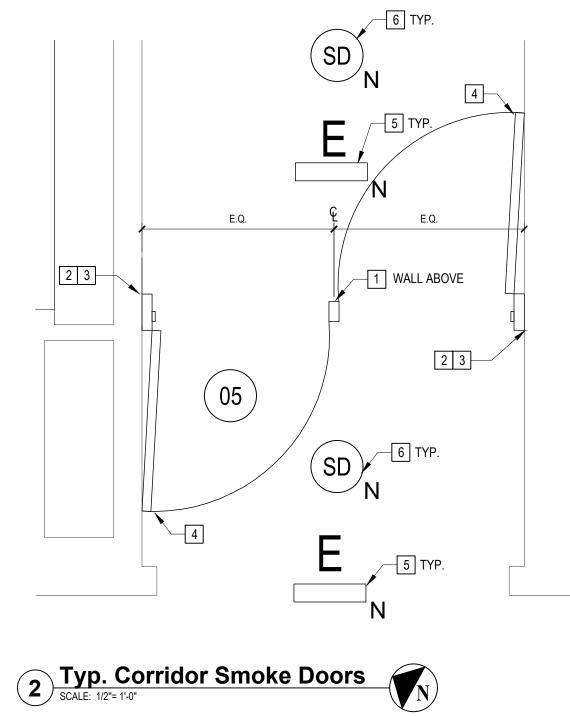


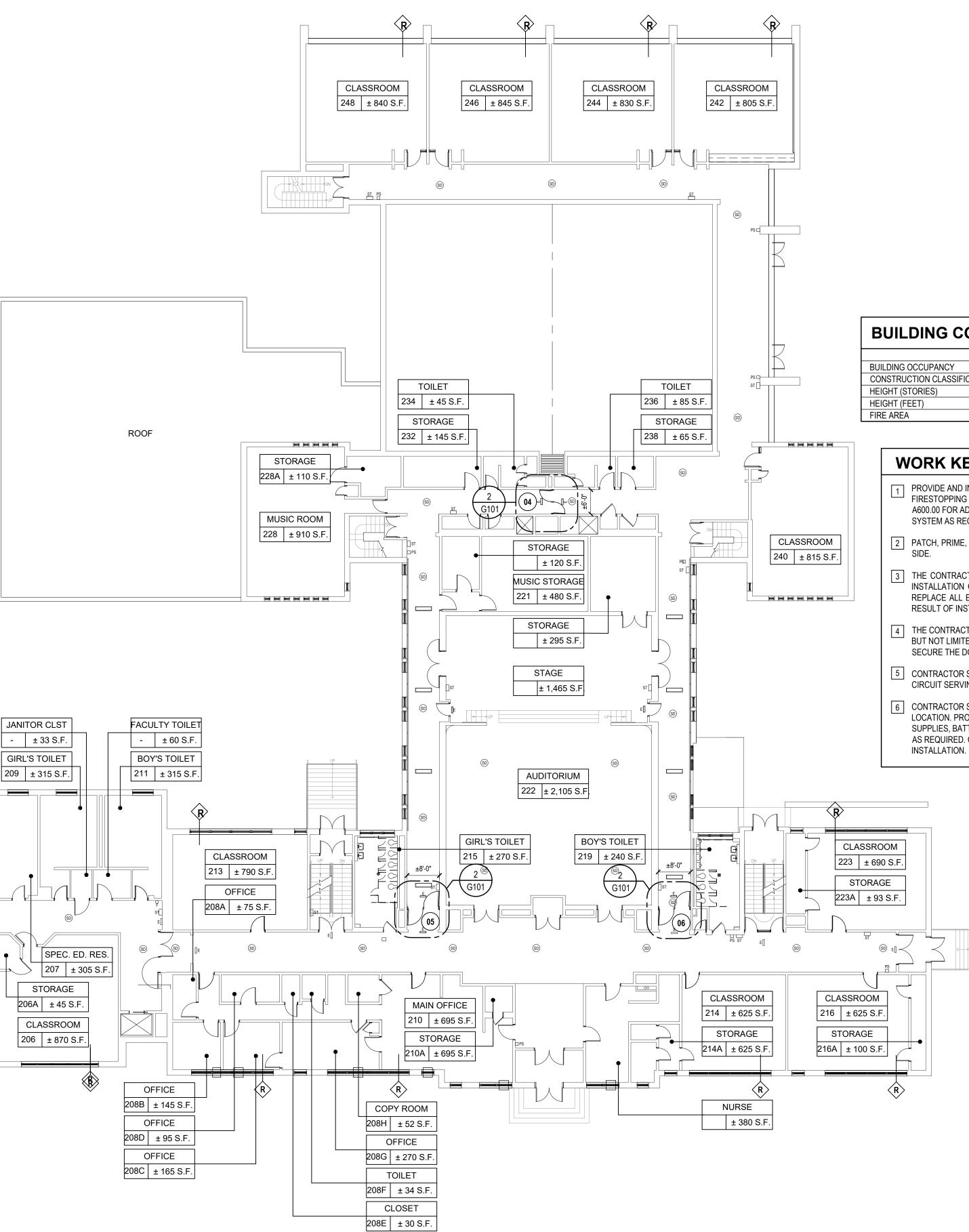
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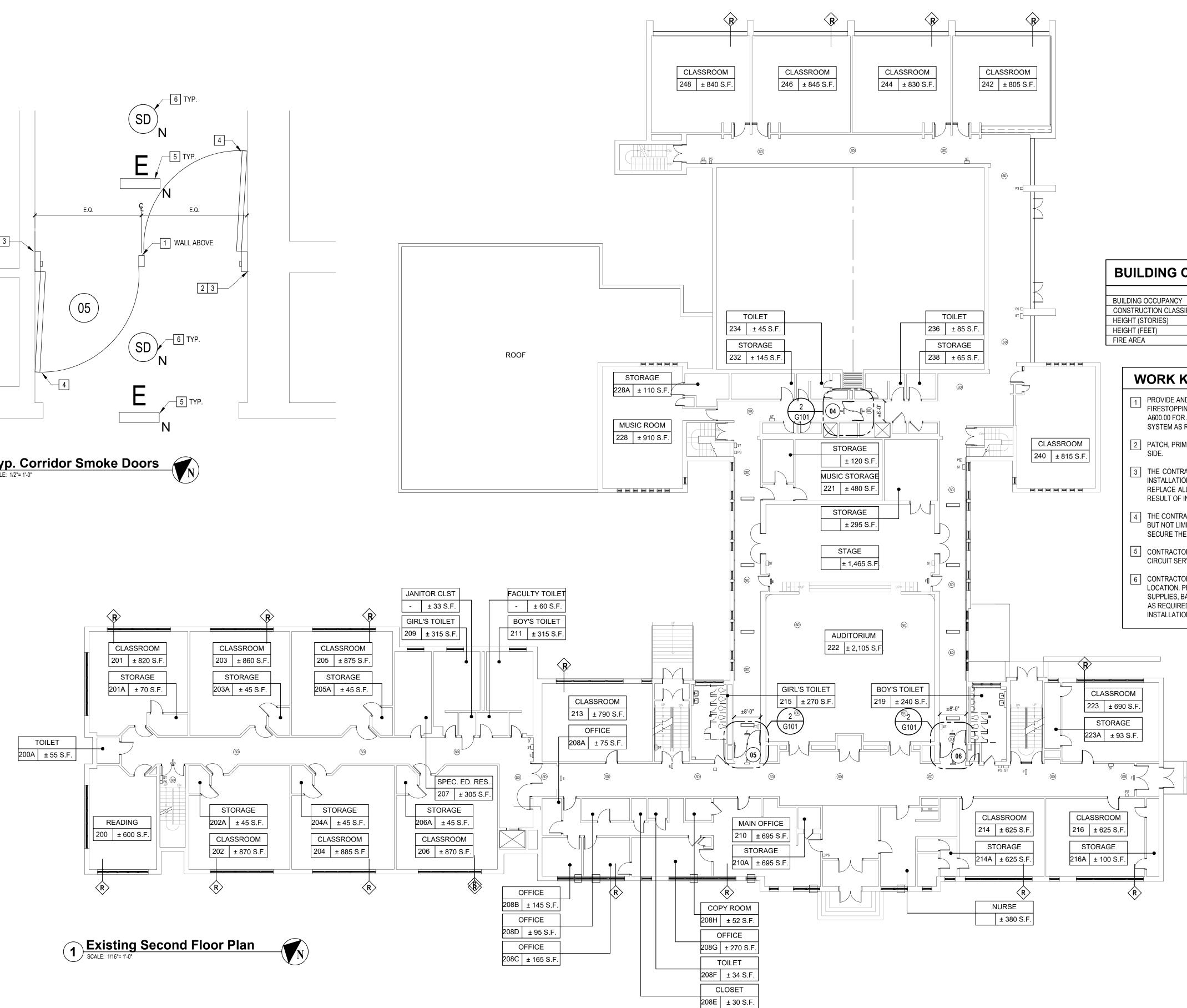
OT ALL	NOTES USED ON EACH PLAN)
1	REMOVE AND DISPOSE OF EXISTING DOOR, FRAME, AND HARDWARE. REMOVAL SHALL INCLUDE BUT NOT BE LIMITED TO ALL DEVICES USED TO SECURE DOOR AND FRAME IN PLACE. PREPARE EXISTING OPENING TO RECEIVE NEW CONSTRUCTION.

- 2 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.
- 3 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.

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		1	engineers
	700 Westche Purcha 914.358.562	ase, NY '	
CONSULTANTS:			
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	NOTE: EXISTING SMOKE DETECTORS TO REMAIN (TYP. FOR ALL).	
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# WORK KEY NOTES

PROVIDE AND INSTALL NEW 2 HR FIRE RATED PARTITION TO UNDERSIDE OF DECK ABOVE. PROVIDE FIRESTOPPING AT ALL PENETRATIONS. FOR WALL TYPES DENOTED AS ----(-), SEE DRAWING A600.00 FOR ADDITIONAL INFORMATION. MODIFY, REPLACE AND RE-SUPPORT EXISTING CEILING SYSTEM AS REQUIRED TO ACCOMMODATE NEW FIRE-RATED PARTITION.

2 PATCH, PRIME, AND PAINT ALL EXISTING PAINTED SURFACES ADJACENT TO NEW PARTITION ON EACH SIDE.

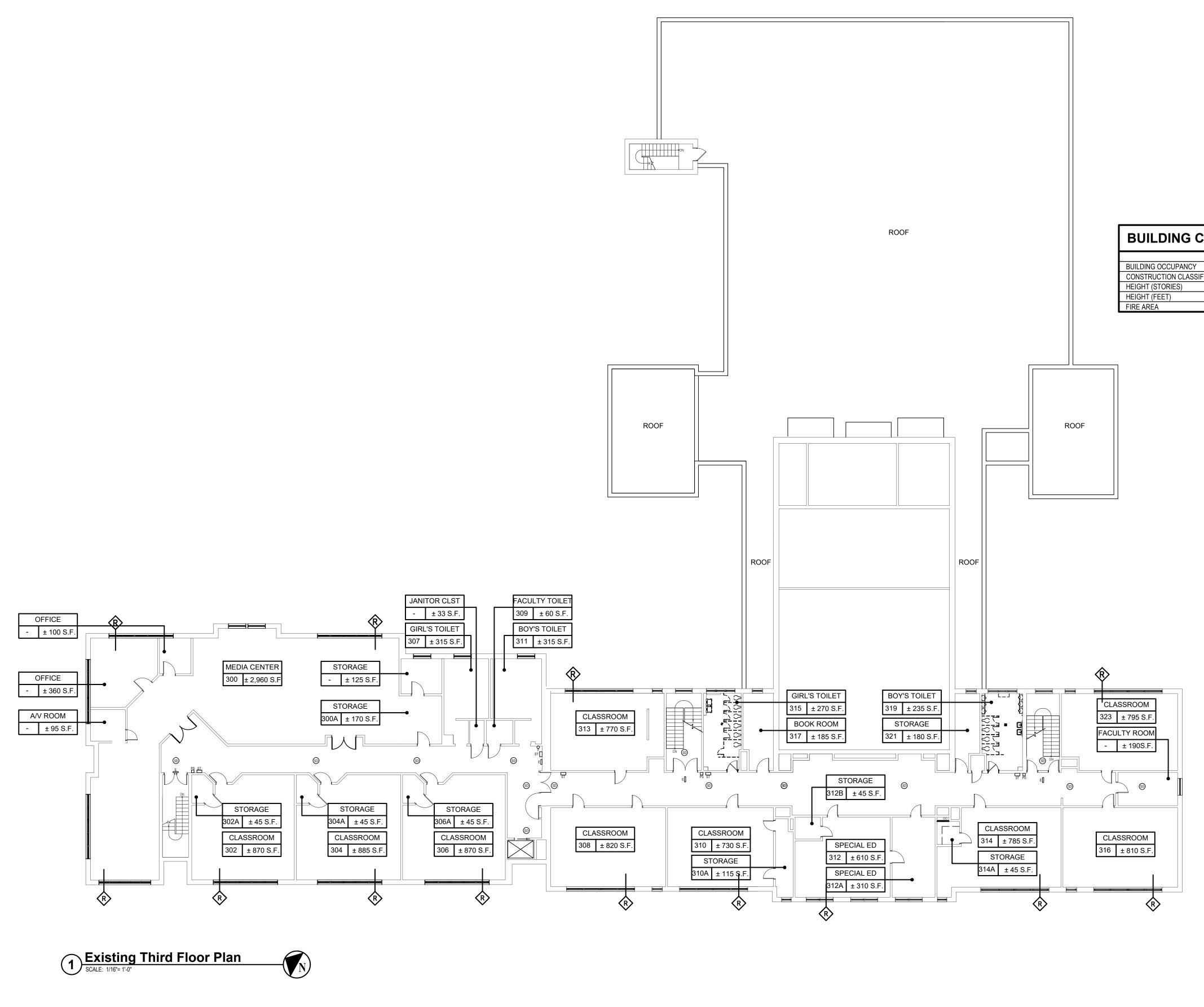
3 THE CONTRACTOR SHALL TAKE CARE NOT TO DAMAGE EXISTING BRICK VENEER AS A RESULT OF INSTALLATION OF NEW PARTITION. THE CONTRACTOR SHALL BE RESPONSIBLE TO REPAIR AND/OR REPLACE ALL EXISTING SURFACES TO MATCH EXISTING ADJACENT CONSTRUCTION DAMAGED AS A RESULT OF INSTALLATION OF NEW WORK.

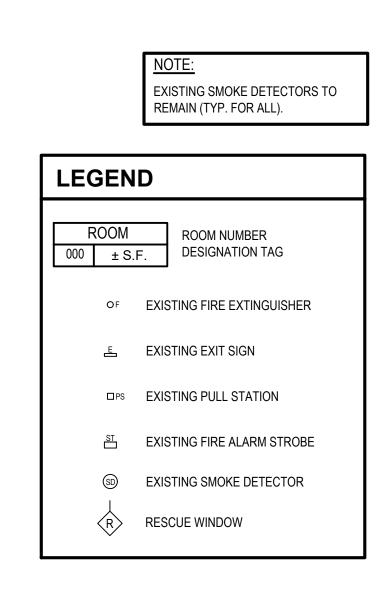
4 THE CONTRACTOR SHALL PROVIDE AND INSTALL NEW DOOR, FRAME, AND HARDWARE, INCLUDING BUT NOT LIMITED TO FRAME, CLOSER, HARDWARE, WALL ANCHORS, AND ALL DEVICES USED TO SECURE THE DOORS AND FRAMES IN PLACE. SEE DOOR SCHEDULE AND DETAILS ON SHEET A600.00.

5 CONTRACTOR SHALL PROVIDE AND INSTALL A POWER FEED FROM THE UNSWITCHED LIGHTING CIRCUIT SERVING THE HALLWAY. WIRE AND CONDUIT SHALL BE SIZED IN ACCORDANCE WITH NEC.

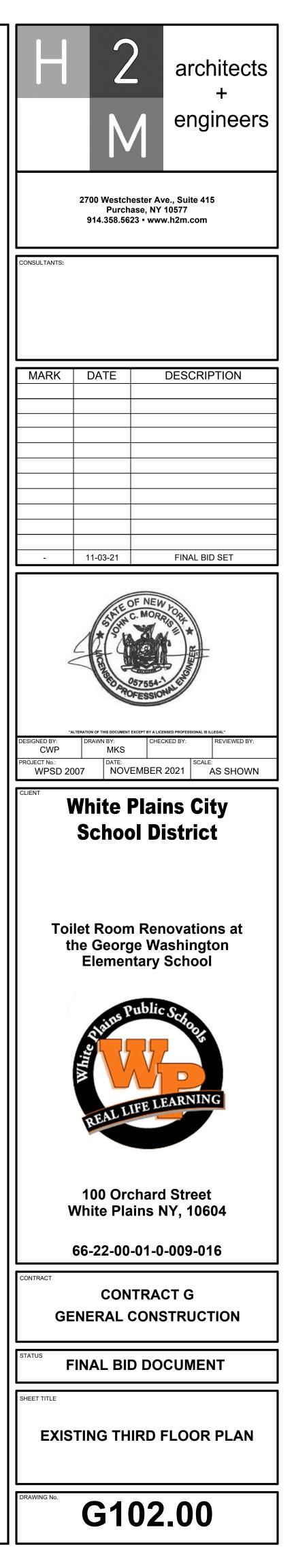
6 CONTRACTOR SHALL PROVIDE AND EXTEND POWER/DATA FEEDS TO NEW FIRE ALARM DEVICE LOCATION. PROVIDE AND INSTALL ALL EXPANSION CARDS, WIRE, CONDUIT, RELAYS, POWER SUPPLIES, BATTERIES, EXTENDERS, PROGRAMMING, MOUNTING HARDWARE, AND JUNCTION BOXES AS REQUIRED. COORDINATE EXACT MOUNTING LOCATION AND HEIGHT WITH ARCHITECT PRIOR TO

	H 2 architects + engineers			
	2700 Westch Purch 914.358.562	ase, NY	10577	
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## GENERAL NOTES:

1. ALL ASBESTOS REMOVAL SHALL BE PERFORMED IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL LAWS, GUIDELINES, REGULATIONS, ORDERS AND DIRECTIVES, INCLUDING WITHOUT LIMITATIONS, THE U.S. ENVIRONMENTAL PROTECTION AGENCY (EPA), AND U.S. DEPARTMENT OF LABOR, OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA), NATIONAL INSTITUTE FOR OCCUPATIONAL SAFETY AND HEALTH (NIOSH), AND NEW YOK STATE DEPARTMENT OF LABOR (NYSDOL).

2. CONTRACTOR SHALL FURNISH ALL LABOR, MATERIAL, EQUIPMENT, SERVICES, ETC., NECESSARY TO PERFORM THE WORK REQUIRED FOR ASBESTOS ABATEMENT IN ACCORDANCE WITH CONTRACT DOCUMENTS AND ALL APPLICABLE FEDERAL STATE AND LOCAL REGULATIONS.

3. CONTRACTOR SHALL DEVELOP AND IMPLEMENT A WRITTEN STANDARD PROCEDURE FOR ABATEMENT WORK TO ENSURE MAXIMUM PROTECTION AND SAFEGUARD FROM ASBESTOS EXPOSURE OF THE WORKERS, VISITORS, EMPLOYEES, GENERAL PUBLIC, AND THE FNVIRONMENT.

4. CONTRACTOR SHALL PROVIDE SIGNS, LABELS, WARNINGS, AND POST INSTRUCTIONS THAT ARE NECESSARY TO PROTECT, INFORM AND WARN PEOPLE OF THE HAZARD FROM ASBESTOS EXPOSURE. POST IN A PROMINENT AND CONVENIENT PLACE FOR THE WORKERS A COPY OF THE LATEST APPLICABLE REGULATIONS FROM OSHA, EPA, NIOSH AND NYSDOL.

5. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE SPECIFICATION.

6. THE CONTRACTOR SHALL RELOCATE ALL FURNITURE, LOCKERS, DESKS AND OTHER MISC. ITEMS IN AND OUT OF THE WORK AREAS TO ACCOMODATE ASBESTOS ACTIVITIES.

7. THE CONTRACTOR SHALL PROVIDE ALL ELECTRICAL, WATER, AND WASTE CONNECTIONS, TIE-INS, EXTENSIONS, CONSTRUCTION MATERIALS, SUPPLIES, ETC. AS REQUIRED TO FACILITATE ASBESTOS REMOVAL.

8. CONTRACTOR SHALL PROVIDE TEMPORARY ELECTRIC AND LIGHT THROUGHOUT THE WORK AREA(S) AS REQUIRED IN ACCORDANCE WITH ALL APPLICABLE REGULATIONS AND CODES.

9. THE CONTRACTOR SHALL ESTABLISH CRITICAL BARRIERS OVER ALL OPENINGS LOCATED INSIDE THE PARTICULAR WORK AREA AS WELL AS INSIDE THE SCHOOL.

10. CONTRACTOR SHALL PROPERLY PROTECT ALL CONTROLS, TUBING, ELECTRICAL PANELS, EQUIPMENT, ETC. WITHIN THE WORK AREA.

11. THE CONTRACTOR SHALL BE REQUIRED TO ISSUE NON-WHITE WORK COVERALLS FOR ALL ABATEMENT WORKERS.

12. CONTRACTOR SHALL EXERCISE EXTREME CARE AND CAUTION DURING ANY AND ALL DEMOLITION AND ABATEMENT OPERATIONS. CONTRACTOR SHALL CONDUCT REMOVAL OF ALL MATERIALS FROM THE SITE WITH MINIMUM DISTURBANCE; PROVIDE PROPER PROTECTION AND REGULAR MAINTENANCE OF ALL BUILDING PREMISES DIRECTLY OR INDIRECTLY ASSOCIATED WITH ABATEMENT OPERATIONS.

13. CONTRACTOR SHALL LOCATE AND SEAL ALL PENETRATIONS THROUGH WALLS BETWEEN THE WORK AREA AND ADJACENT AREAS, INCLUDING, BUT NOT LIMITED TO PIPE, DUCT, CONDUIT, CHASES, AND OPENINGS IN FIRE WALLS OR DECKS BETWEEN FLOORS AS REQUIRED BY THE FIELD CONDITION.

14. THE CONTRACTOR SHALL USE A WATER SPRAYER TO WET ASBESTOS-CONTAINING MATERIALS INSIDE THE WORK AREA.

15. CONTRACTOR SHALL CONSTRUCT A PERSONAL/WASTE DECONTAMINATION ENCLOSURE SYSTEM (P./W.D.E.S.) AS INDICATED. IT SHALL BE OF SUFFICIENT SIZE TO ACCOMMODATE STORAGE OF MATERIALS, EQUIPMENT, ETC.

16. SHOWER AND WASTEWATER MUST BE FILTERED AND DISPOSED OF IN THE BUILDING'S SANITARY SYSTEM. REFER TO CONTRACT SPECIFICATIONS.

17. IF WATER IS NOT AVAILABLE. THE CONTRACTOR SHALL PROVIDE A 55-GALLON WATER TANK FOR THE DECONTAMINATION UNIT.

18. THE CONTRACTOR SHALL UTILIZE GFCI PANEL CONNECTIONS AT THE SOURCE OUTLET WHEN ACCESSING TEMPORARY POWER.

19. CONTRACTOR SHALL SUPPLY ALL NECESSARY CONNECTIONS, FASTENERS, FLEXIBLE DUCTS, MANIFOLDS, SUPPORTS, ETC. ANY AND ALL INSTALLATIONS SHALL COMPLY WITH CONTRACT DOCUMENTS AND MANUFACTURER'S REQUIREMENTS.

20. THE CONTRACTOR SHALL VERIFY THE LOCATION OF THE TEMPORARY WATER AND POWER SOURCES PRIOR TO ABATEMENT ACTIVITIES.

21. DEBRIS RESULTING FROM ANY DEMOLITION AND/OR ASBESTOS ABATEMENT ACTIVITIES SHALL BE DISPOSED OF AS ASBESTOS CONTAMINATED WASTE.

22. NO WASTE SHALL BE STORED ON SITE OR INSIDE THE DECONTAMINATION UNIT BETWEEN SHIFTS. WASTE SHALL BE DOUBLE BAGGED BEFORE PROCEEDING TO THE CONTAINER AND/OR DECON. BAGS WILL BE MOVED FROM WORK AREAS TO THE WASTE DECON AND SUBSEQUENTLY TO THE CONTAINER IN COVERED CARTS. BAGS WILL BE CARRIED BY HAND ONLY WHEN NECESSARY. ALL WASTE SHALL BE CONTAINERIZED AT THE END OF EACH WORK SHIFT BEFORE RELINQUISHING TO WASTE HAULER.

23. CONTRACTOR IS RESPONSIBLE TO COORDINATE AND CONFIRM THE EXACT SCOPE OF WORK FOR EACH PHASE OF ABATEMENT WITH THE GENERAL CONTRACTOR AND OTHER TRADES.

24. CONTRACTOR SHALL PROVIDE ALL EQUIPMENT, TOOLS, TRANSPORTATION AND ANY OTHER EQUIPMENT REQUIRED AND/OR NECESSARY TO COMPLETE ALL WORK DESCRIBED IN THE CONTRACT DOCUMENTS.

25. THE LOCATION OF THE PERSONAL/WASTE DECONTAMINATION UNITS, AIRLOCKS, ETC. IS SHOWN FOR REFERENCE PURPOSES. EXACT LOCATIONS SHALL BE DETERMINED IN THE FIELD.

26. ASBESTOS ABATEMENT INDICATED IN THE DRAWING #H002.00 WILL BE DONE IN ACCORDANCE WITH 12 NYCRR PART 56 AND SHALL BE PERFORMED BY A NYS STATE DEPARTMENT OF LABOR LICENSED ASBESTOS CONTRACTOR.

# **ASBESTOS ABATEMENT GENERAL NOTES**

PRE-ABATEMENT WORK NOTES

1. THE HAZARDOUS MATERIALS, CONFIGURATIONS, AND LOCATIONS SHOWN IN THESE DRAWINGS ARE BASED ON THE HAZARDOUS MATERIALS TESTING REPORT COMPLETED BY WSP, DATED FEBRUARY 19, 2021.

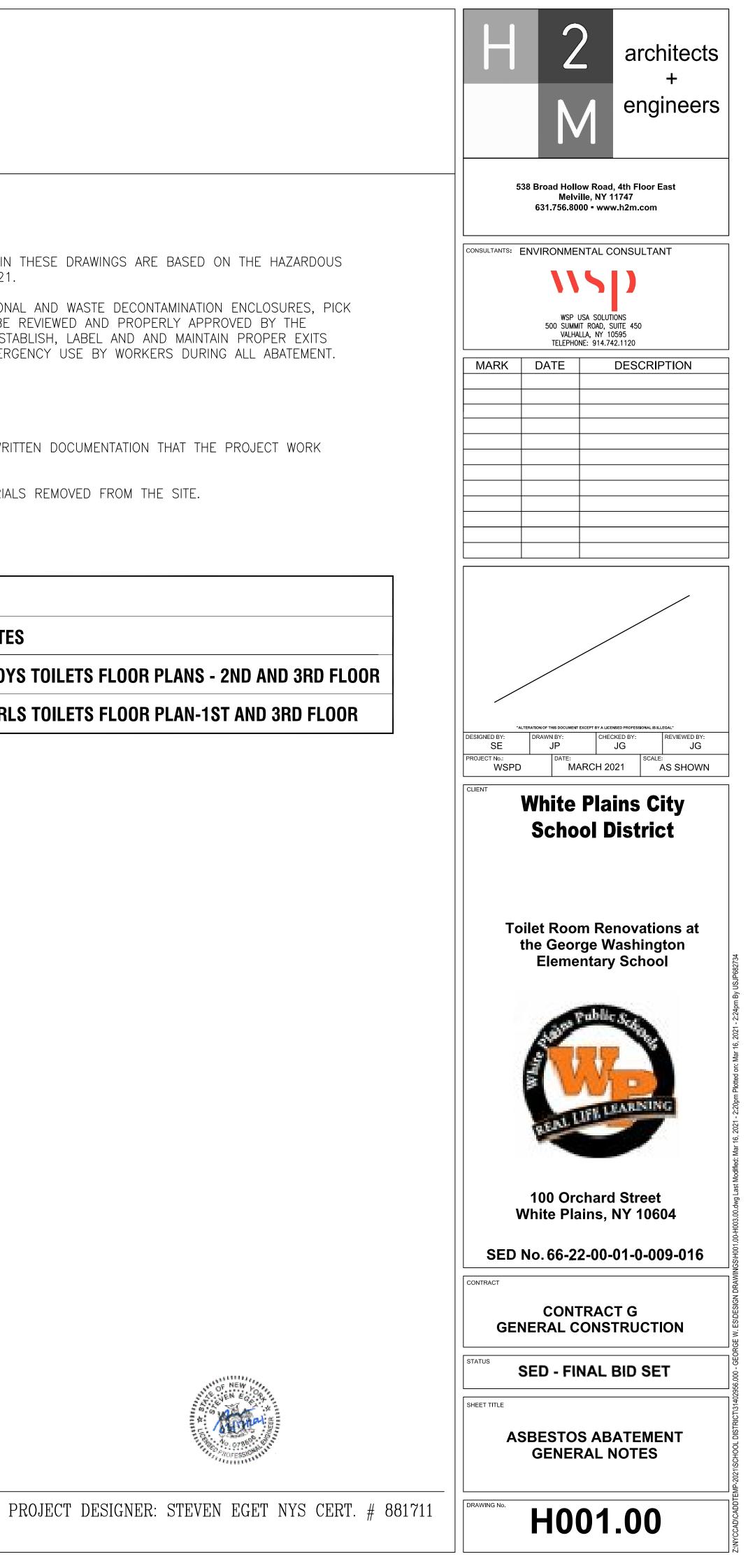
2. THE CONTRACTOR SHALL DETERMINE EXACT FINAL LOCATIONS OF PERSONAL AND WASTE DECONTAMINATION ENCLOSURES, PICK UP AREA FOR REFUSE AND ASBESTOS DEBRIS. THESE LOCATIONS SHALL BE REVIEWED AND PROPERLY APPROVED BY THE DISTRICT PRIOR TO COMMENCEMENT OF WORK. THE CONTRACTOR SHALL ESTABLISH, LABEL AND AND MAINTAIN PROPER EXITS AND WAYS OF DEPARTURE WITHIN EACH WORK AREA FOR NORMAL AND EMERGENCY USE BY WORKERS DURING ALL ABATEMENT.

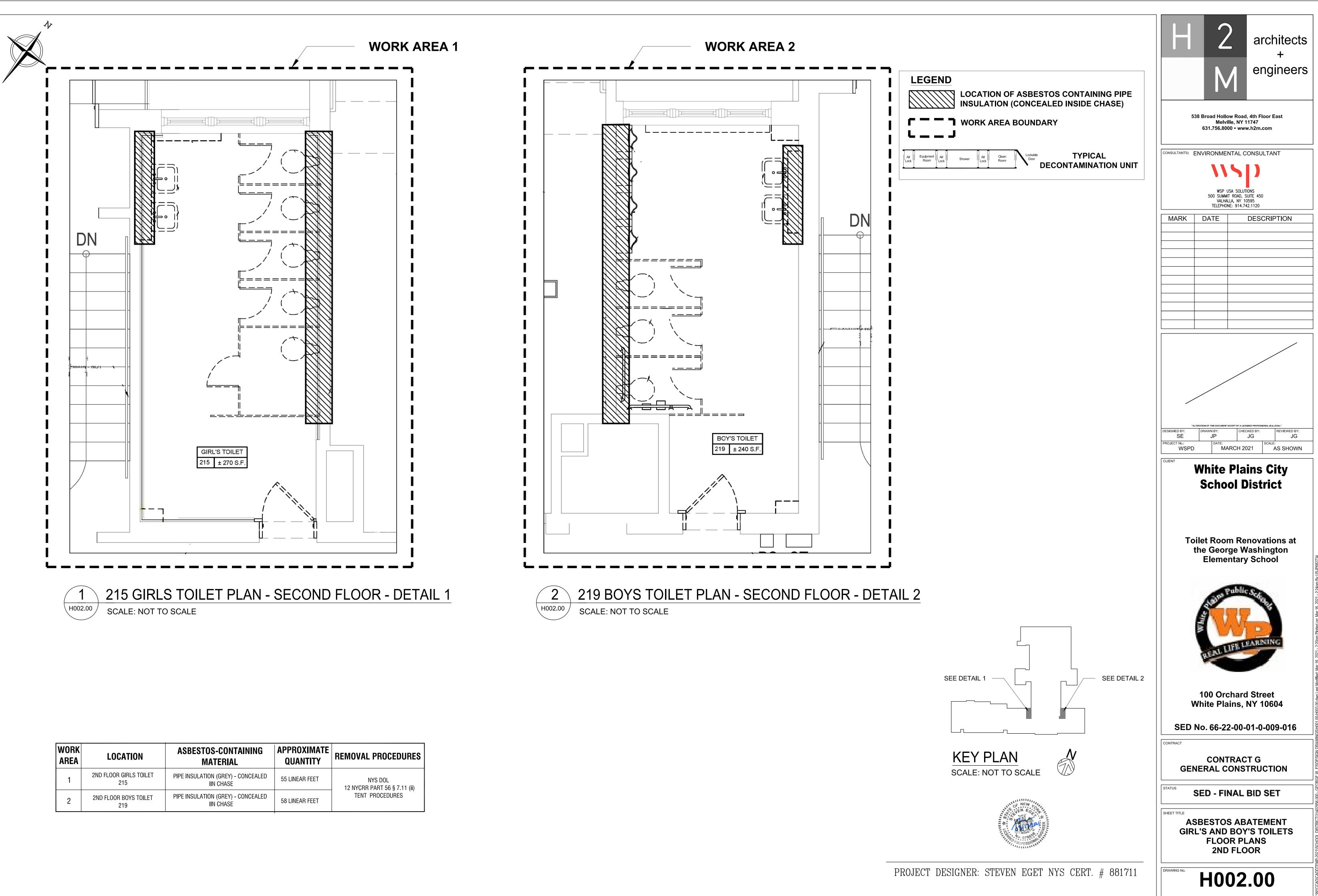
# POST-ABATEMENT WORK NOTES

1. THE CONTRACTOR SHALL, UPON COMPLETION OF REMOVALS, PROVIDE WRITTEN DOCUMENTATION THAT THE PROJECT WORK AREAS ARE COMPLETELY FREE OF ALL HAZARDOUS MATERIALS.

2. THE CONTRACTOR SHALL PROVIDE RECORDS OF ALL HAZARDOUS MATERIALS REMOVED FROM THE SITE.

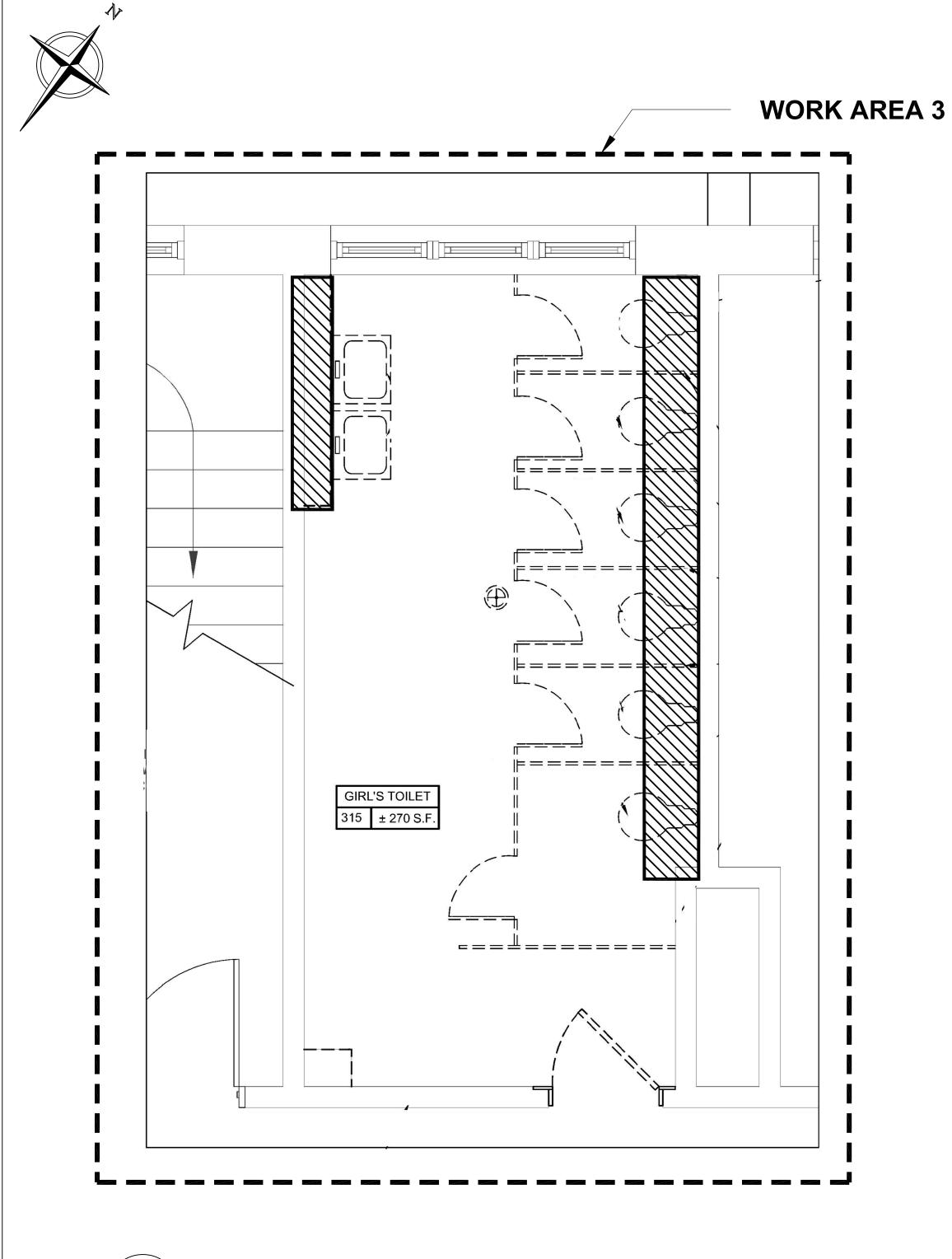
DRAWING NAME
<b>ASBESTOS ABATEMENT LOCATIONS - GENERAL NOTES</b>
ASBESTOS ABATEMENT LOCATIONS - GIRLS AND BOYS T
ASBESTOS ABATEMENT LOCATIONS - BOYS AND GIRLS T







REA	LOCATION	ASBESTOS-CONTAINING MATERIAL	APPROXIMATE QUANTITY	<b>REMOVAL PROCEDURES</b>
1	2ND FLOOR GIRLS TOILET 215	PIPE INSULATION (GREY) - CONCEALED IIN CHASE	55 LINEAR FEET	NYS DOL 12 NYCRR PART 56 § 7.11 (ii)
2	2ND FLOOR BOYS TOILET 219	PIPE INSULATION (GREY) - CONCEALED IIN CHASE	58 LINEAR FEET	TENT PROCEDURES

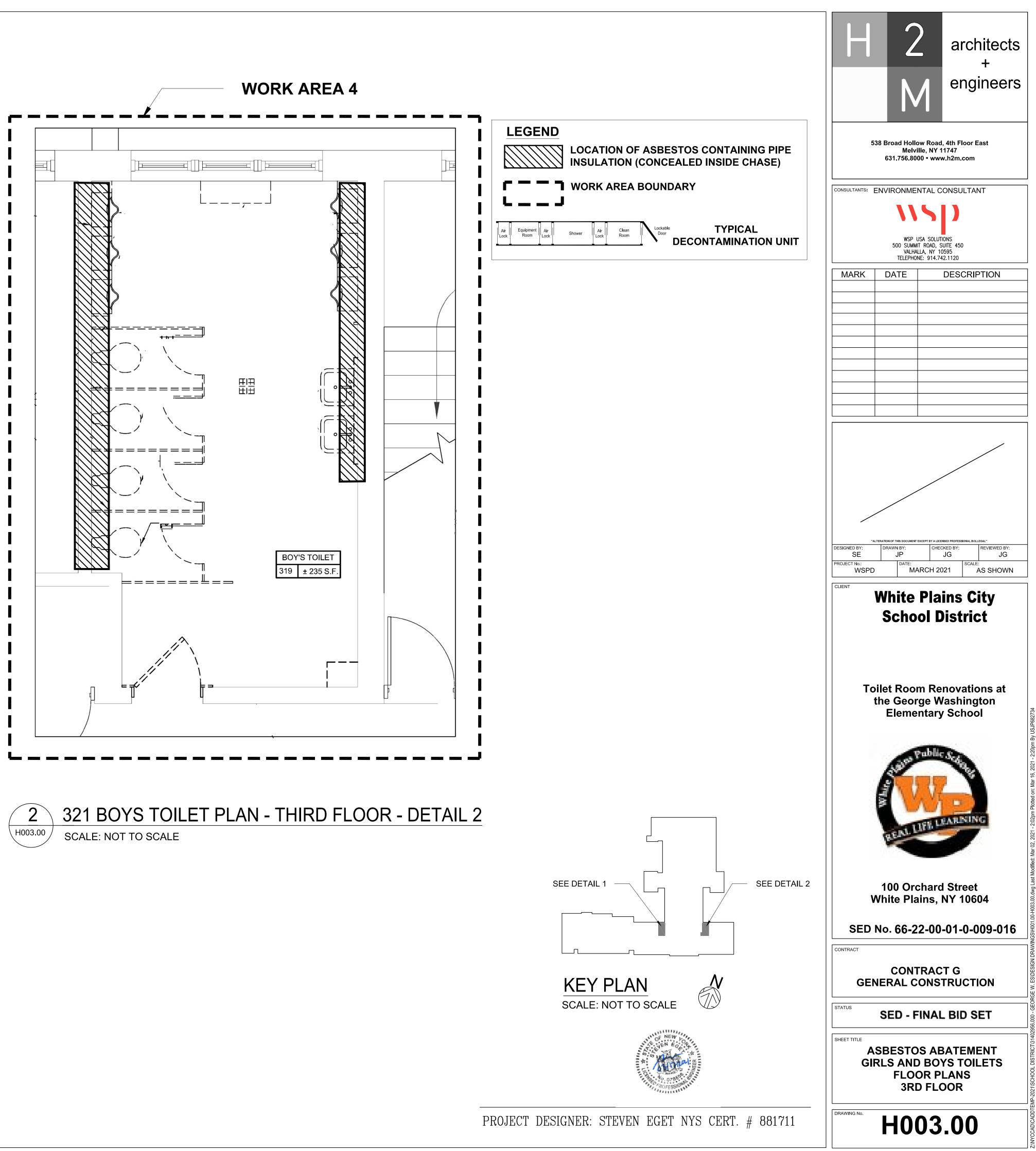


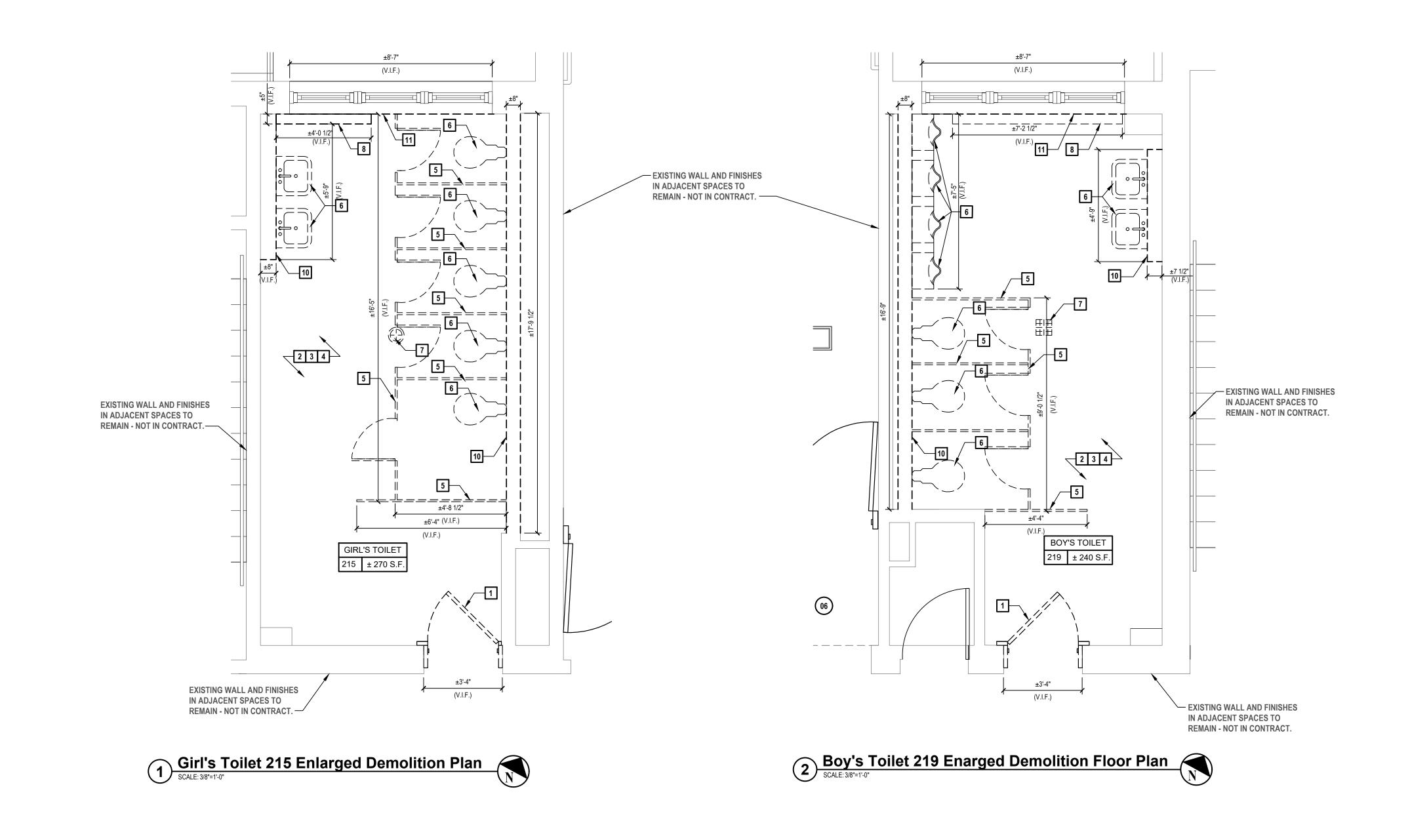
315 GIRLS TOILET PLAN - THIRD FLOOR - DETAIL 1 SCALE: NOT TO SCALE

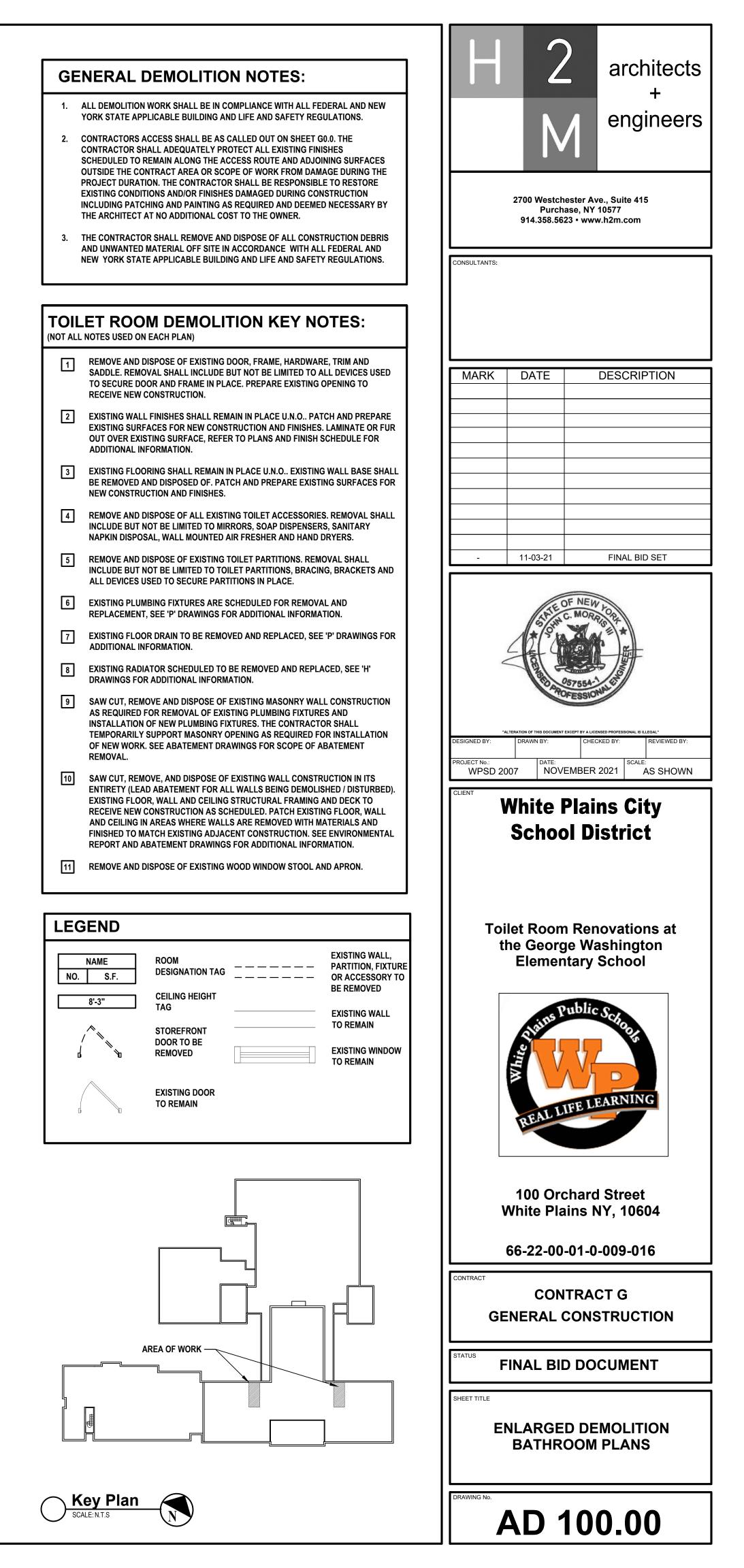
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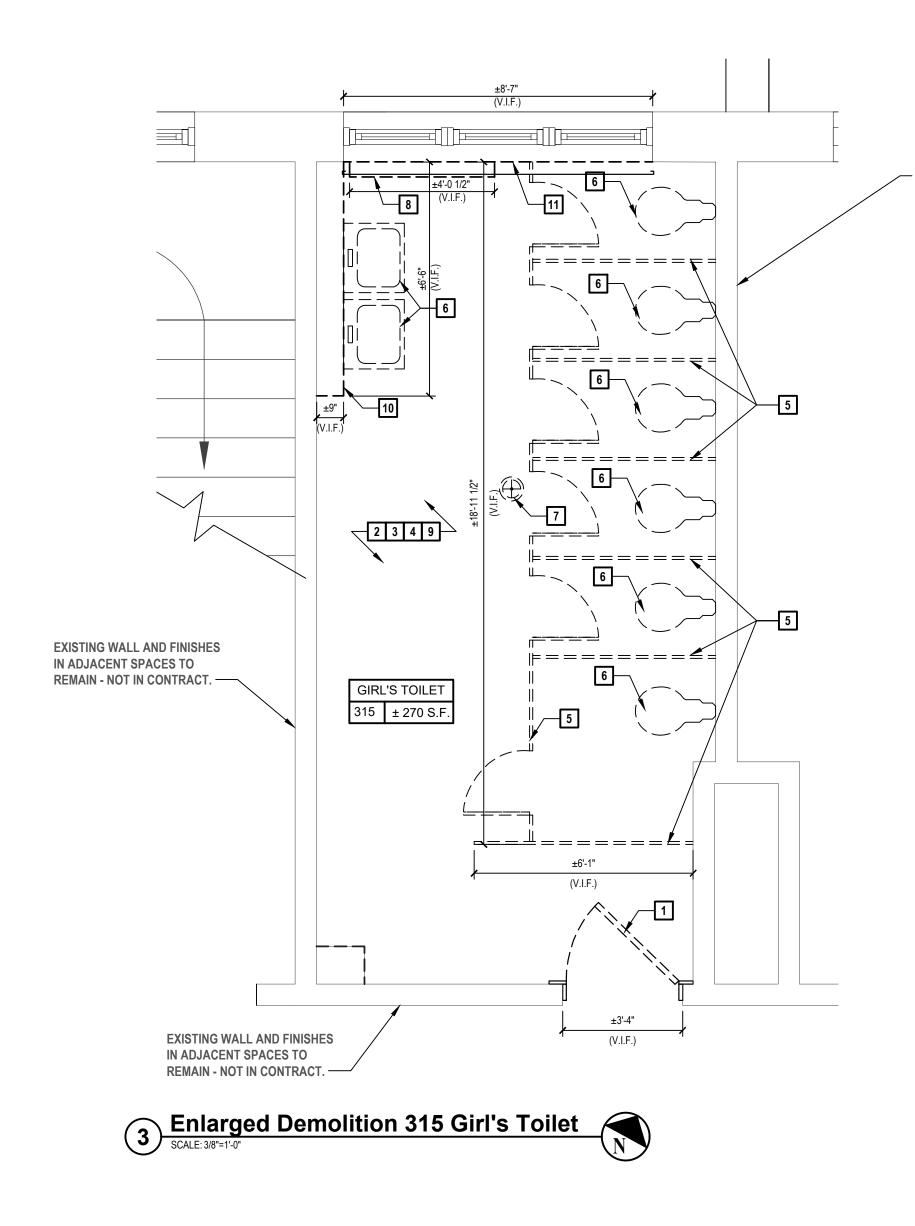
WORK AREA	LOCATION	ASBESTOS-CONTAINING MATERIAL	APPROXIMATE QUANTITY	REMOVAL PROCEDURES
3	3RD FLOOR GIRLS TOILET 315	PIPE INSULATION (GREY) - CONCEALED IIN CHASE	55 LINEAR FEET	NYS DOL 12 NYCRR PART 56 § 7.11 (ii)
4	3RD FLOOR BOYS TOILET 321	PIPE INSULATION (GREY) - CONCEALED IIN CHASE	57 LINEAR FEET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

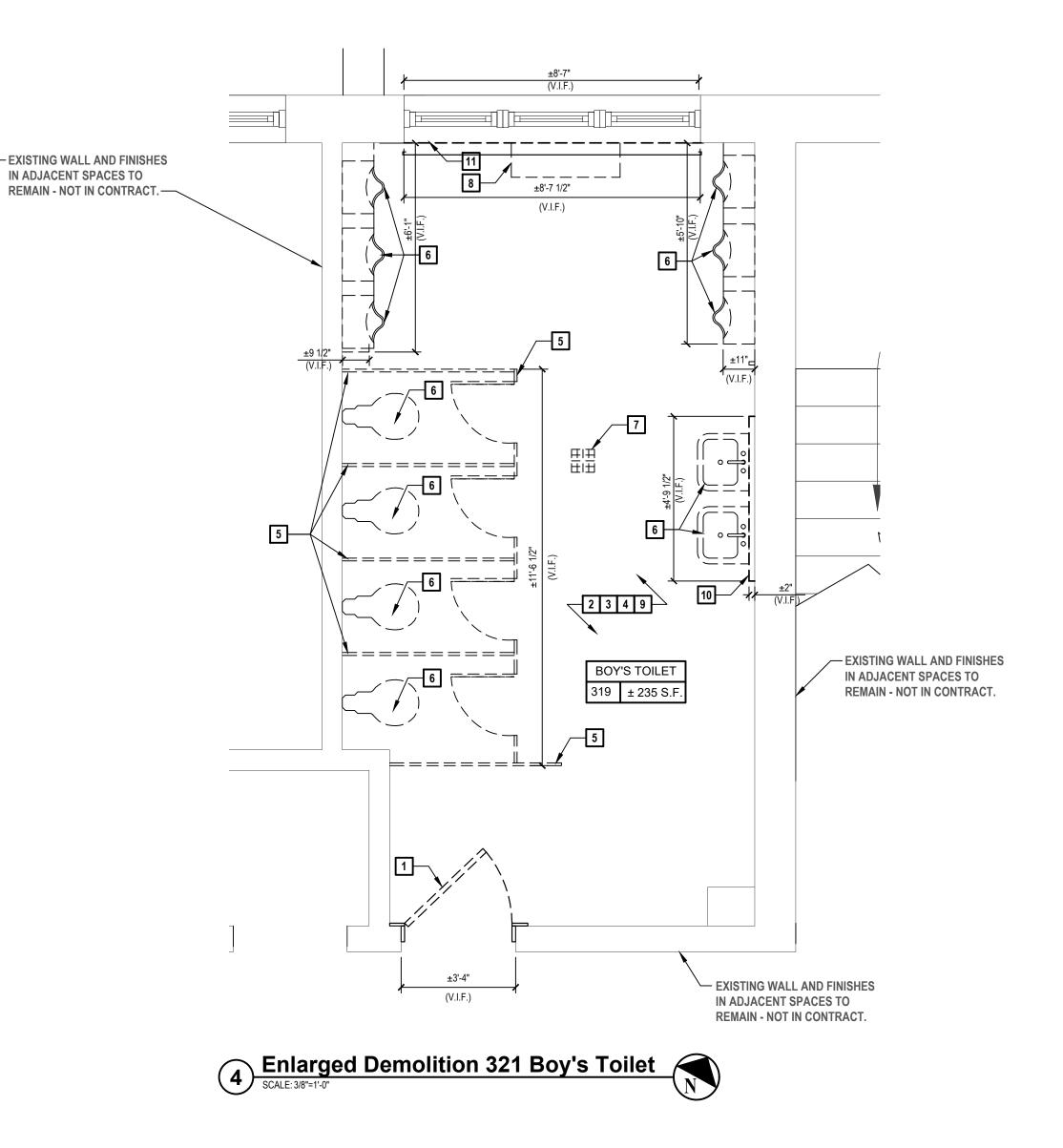


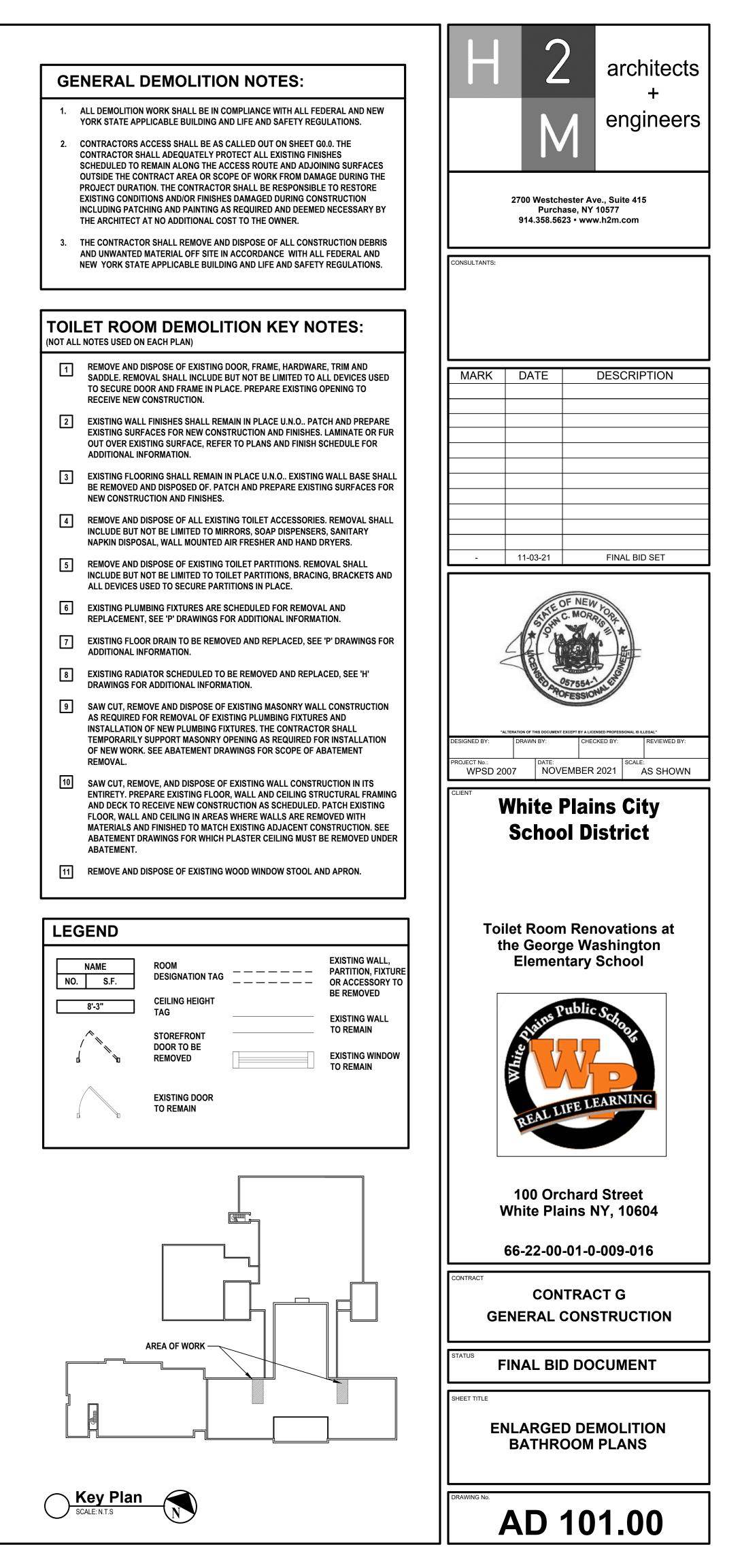






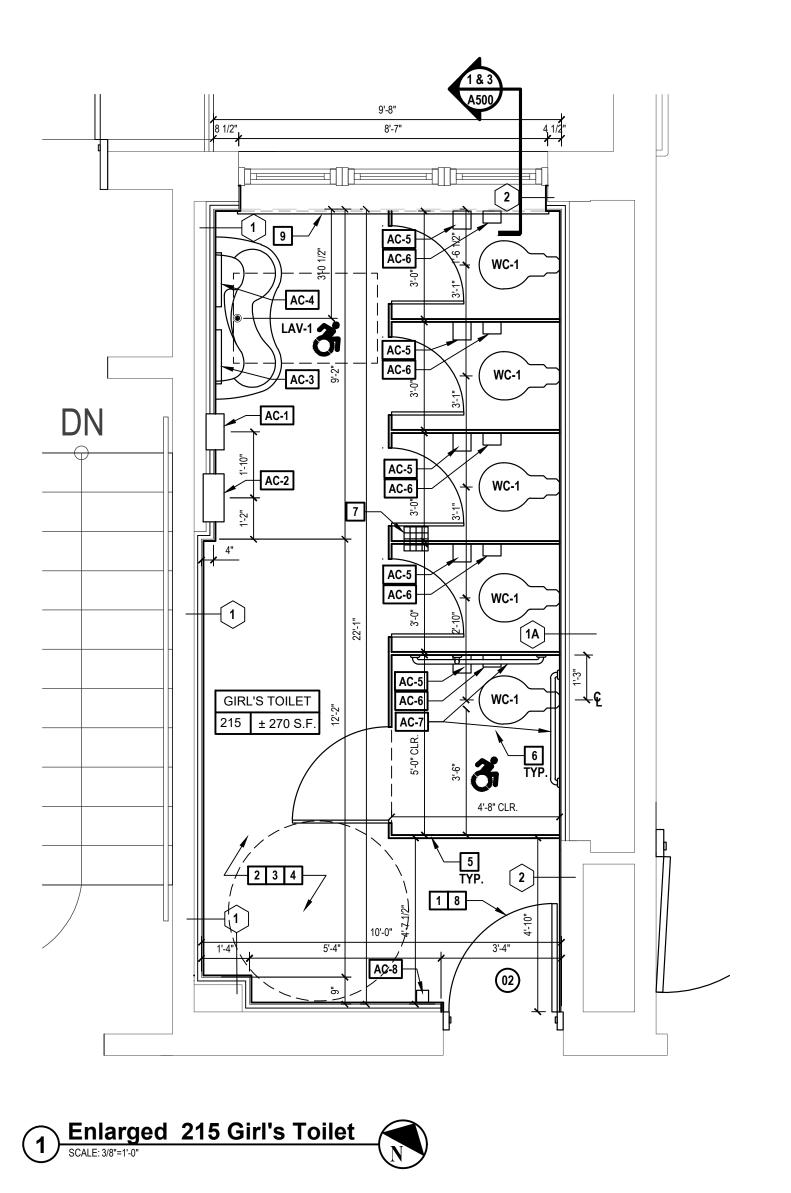


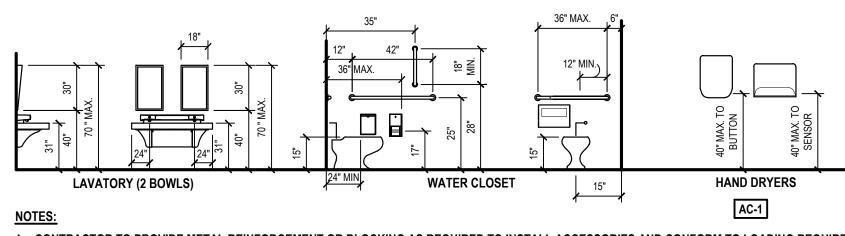




GALV-METAL STUDS @ 16" O.C. 5/8" CEMENT BOARD, FINISH AS SCHEDULED									······································		- h , ( ' - V	EXITING MASONRY WALL CONSTRUCTION TO REMAIN, PREPARE SURFACE FOR NEW CONSTRUCTION AS REQUIRED FOR A PLUMB LEVEL SURFACE. 5/8" CEMENT BOARD ADHERED OR MECHANICA FASTENED TO SUBSTRATE FINISH AS SCHEDULED	
WALL	OVERALL DIMENSIONS	STUD	FIRE	UL No.	STC RATING	COMMENTS		OVERALL	etup			STC	
WALL TYPE	OVERALL DIMENSIONS 3 1/8"	STUD SIZE 2 1/2"	FIRE RATING	UL No.	STC RATING	COMMENTS	WALL TYPE	OVERALL DIMENSIONS	STUD SIZE	FIRE RATING	UL No.	STC RATING	COMMENTS
TYPE	DIMENSIONS	SIZE	RATING		RATING	COMMENTS					UL No.		COMMENTS PROVIDE HAT CHANNELS WHERE REQUIRED

Η	2	)	architects +			
	N		engineers			
	2700 Westchester Ave., Suite 415 Purchase, NY 10577 914.358.5623 ▪ www.h2m.com					
CONSULTANTS:						
MARK	DATE		DESCRIPTION			
<u> </u>	11-03-21		FINAL BID SET			
Z DESIGNED BY:	LTERATION OF THIS DOCUMENT DRAWN BY:	_	ENSED PROFESSIONAL IS ILLEGAL* CKED BY: REVIEWED BY:			
PROJECT No.: WPSD 20	DO7 DATE: NOV	EMBER	2021 AS SHOWN			
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GE			CT G STRUCTION			
STATUS	INAL BI	D DO	CUMENT			
	SHEET TITLE WALL PARTITION TYPES					
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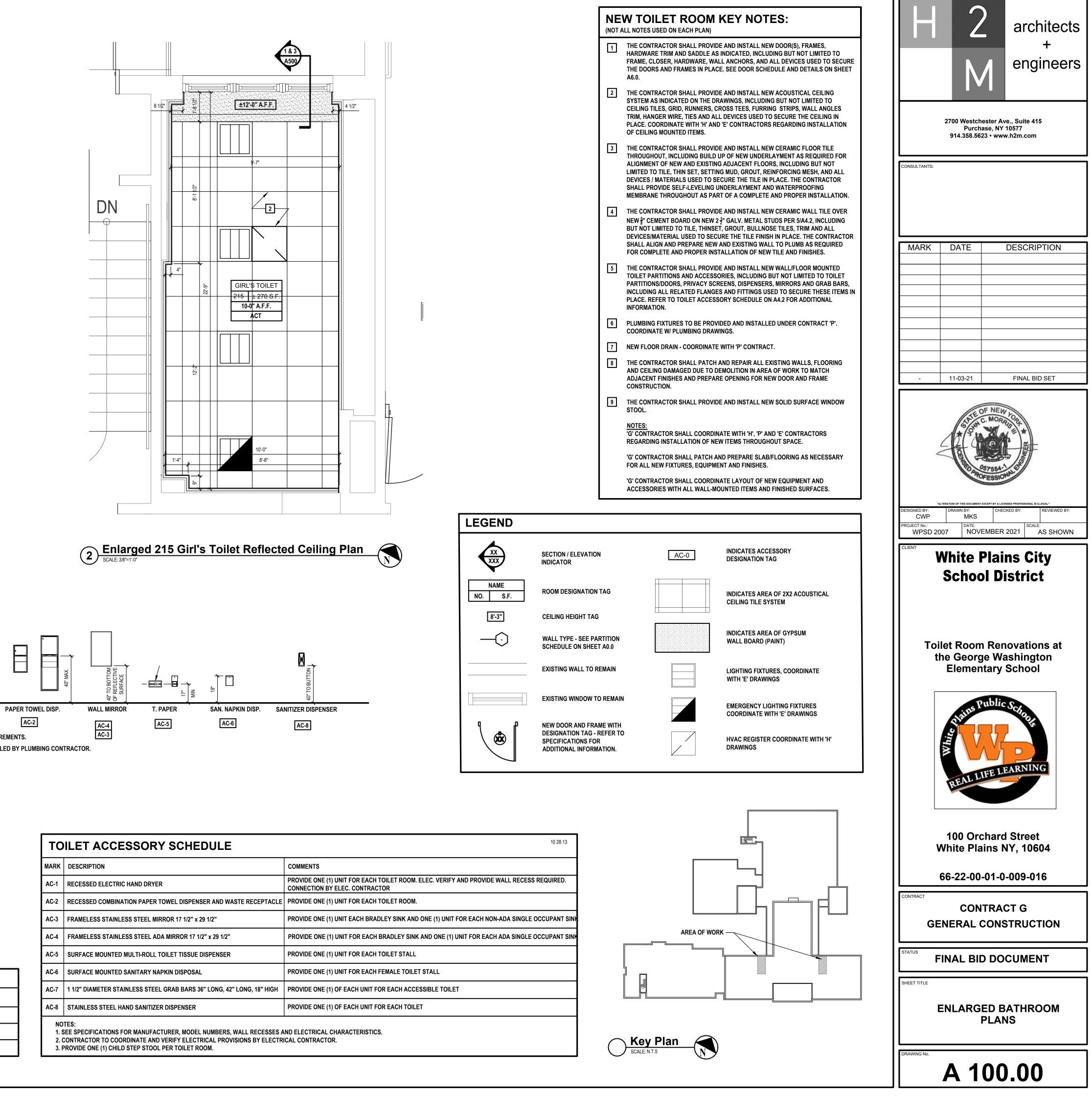




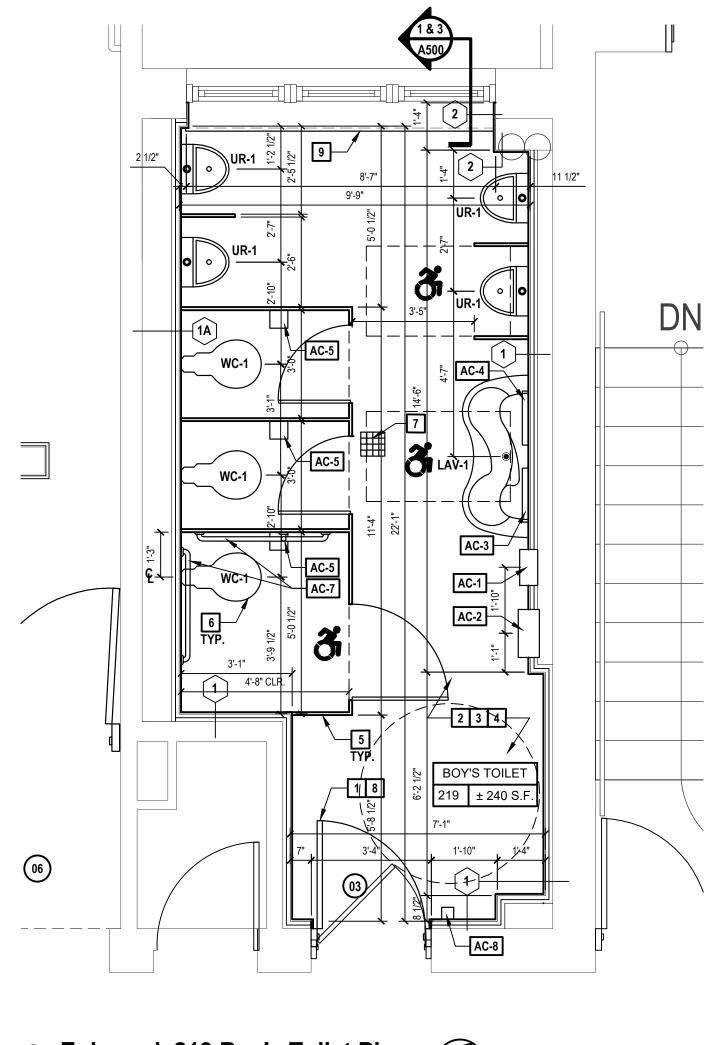
1. CONTRACTOR TO PROVIDE METAL REINFORCEMENT OR BLOCKING AS REQUIRED TO INSTALL ACCESSORIES AND CONFORM TO LOADING REQUIREMENTS. 2. INSULATE DRAINAGE AND SUPPLY PIPES BELOW ALL SINKS (TYP.) MATERIALS PROVIDED BY GENERAL CONSTRUCTION CONTRACTOR, INSTALLED BY PLUMBING CONTRACTOR.

PLUMBING FIXTURE SCHEDULE				
FIXTURE No.	DESCRIPTION			
LAV-1	GROUP LAVATORY (HC/ADA FIXTURE)			
WC-1	WATER CLOSET (HC/ADA FIXTURE)			
UR-1	URINAL (HC/ADA FIXTURE)			

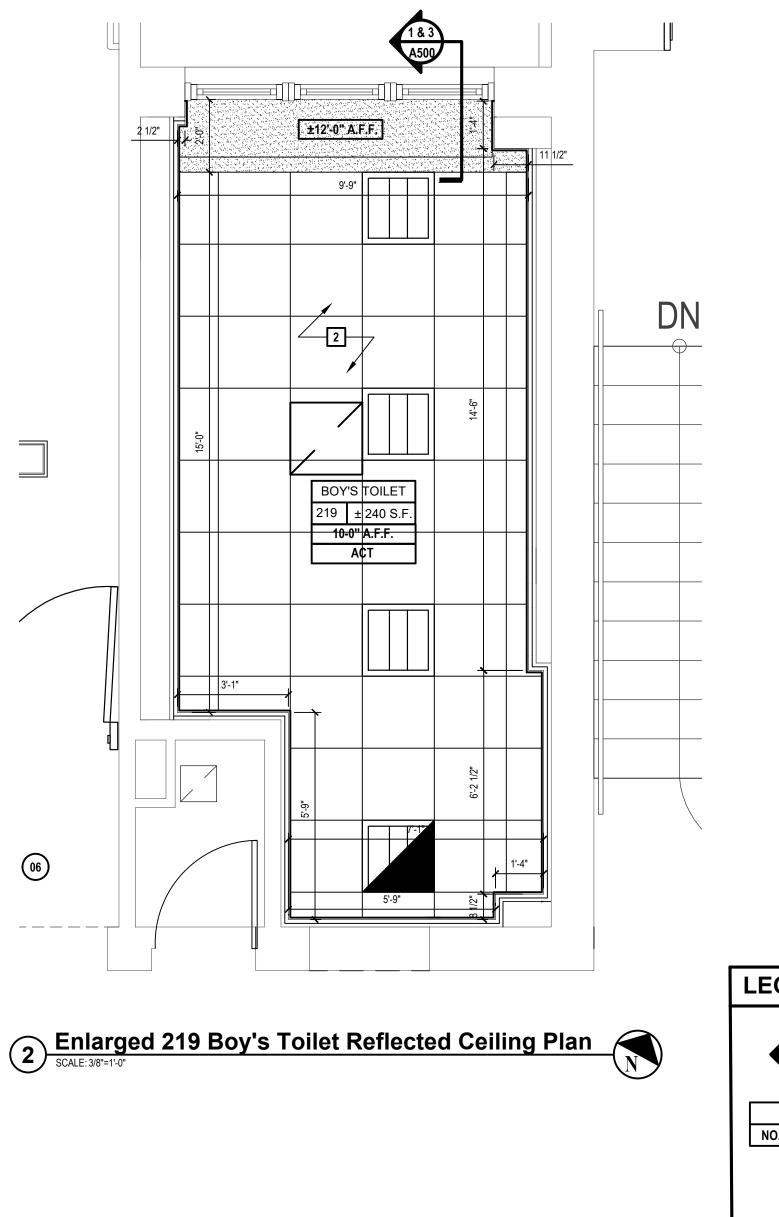
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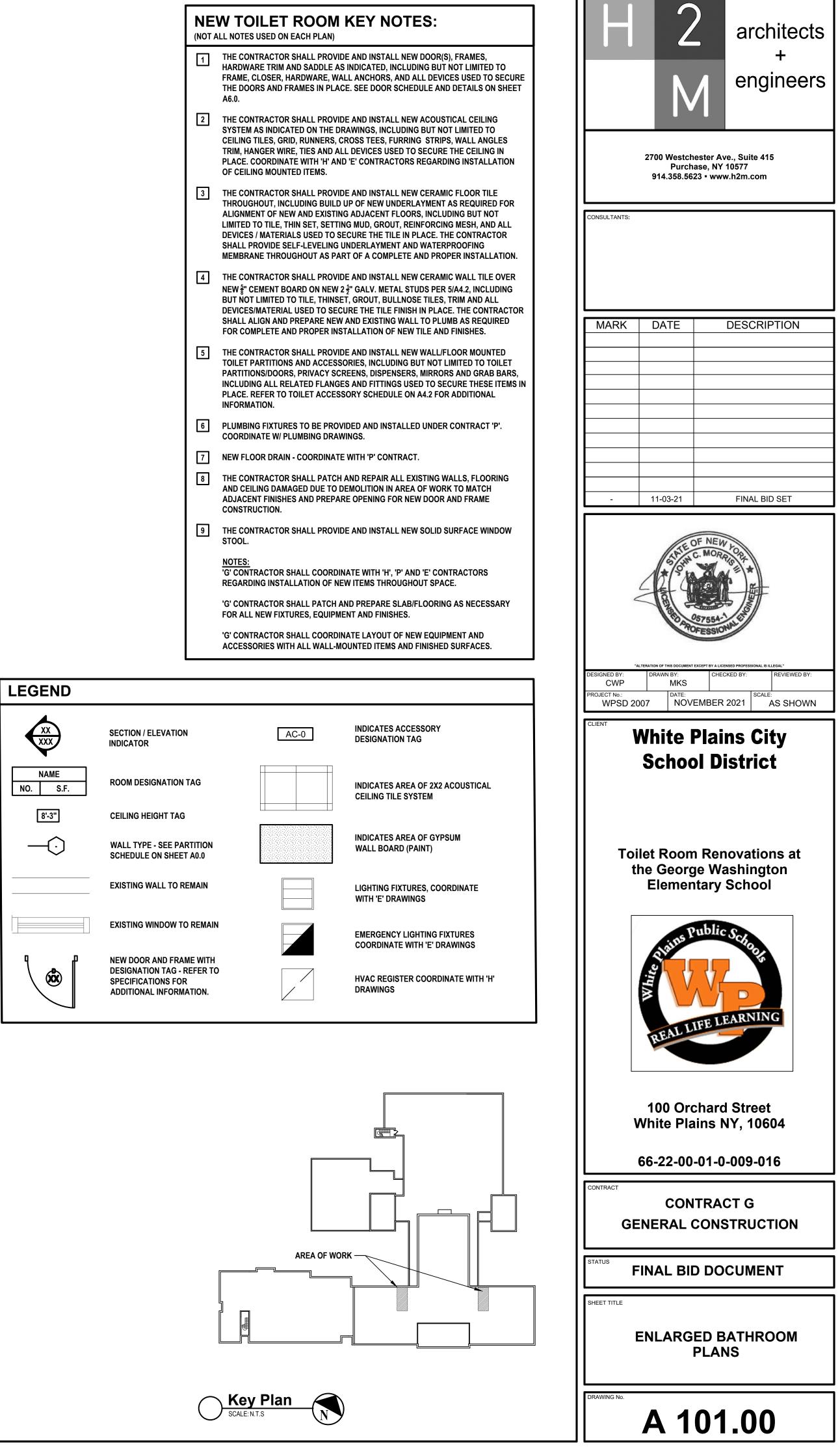


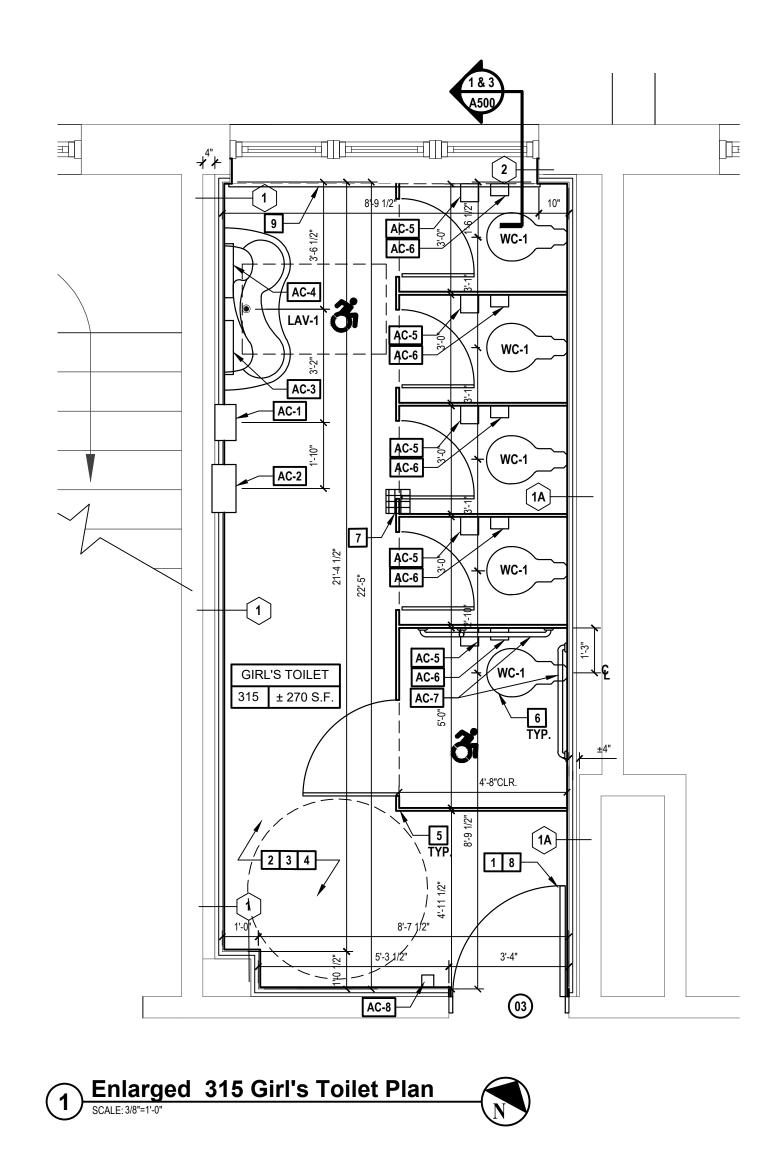
REQUIRED.
DCCUPANT SI
OCCUPANT SI

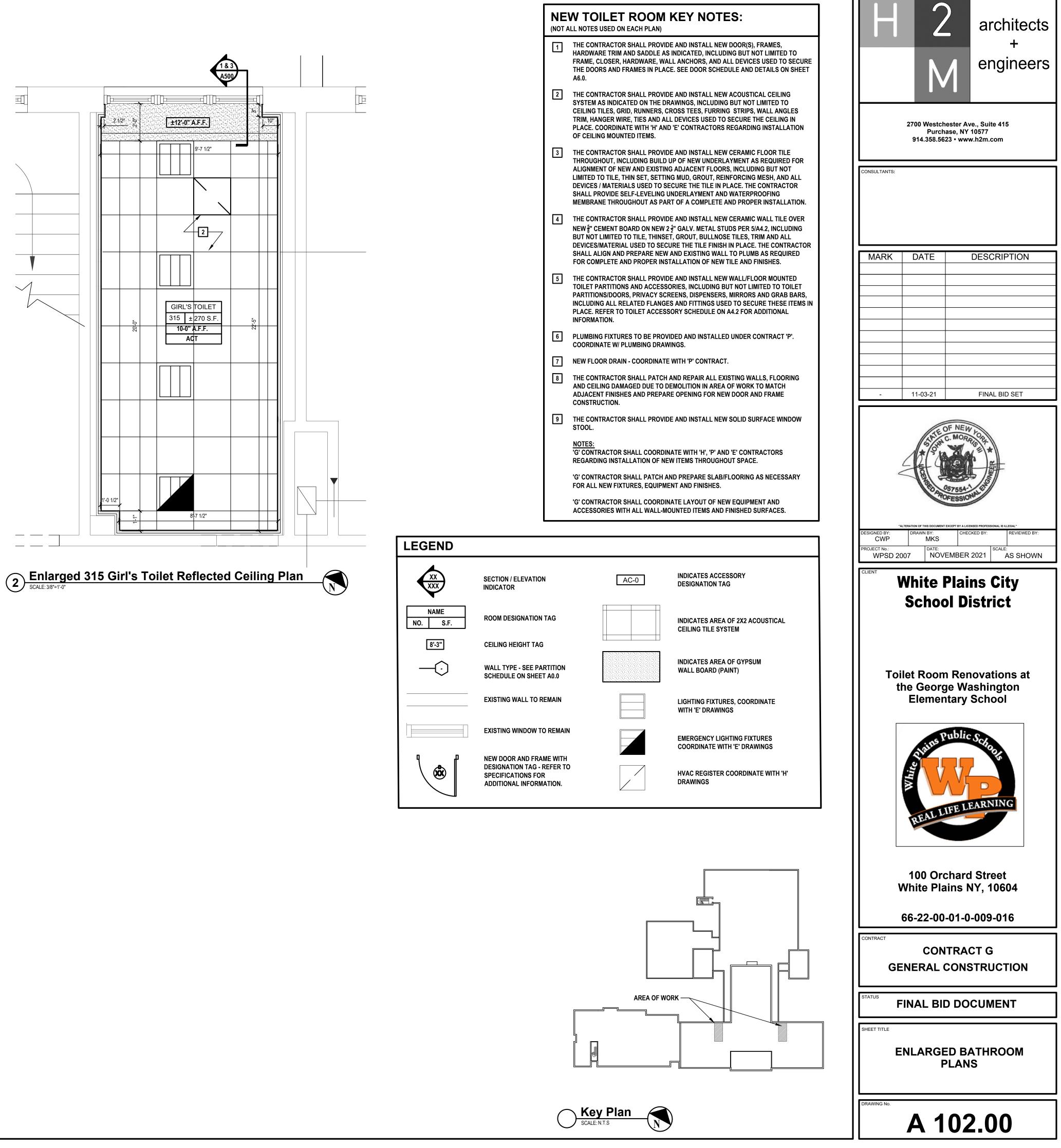


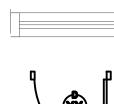


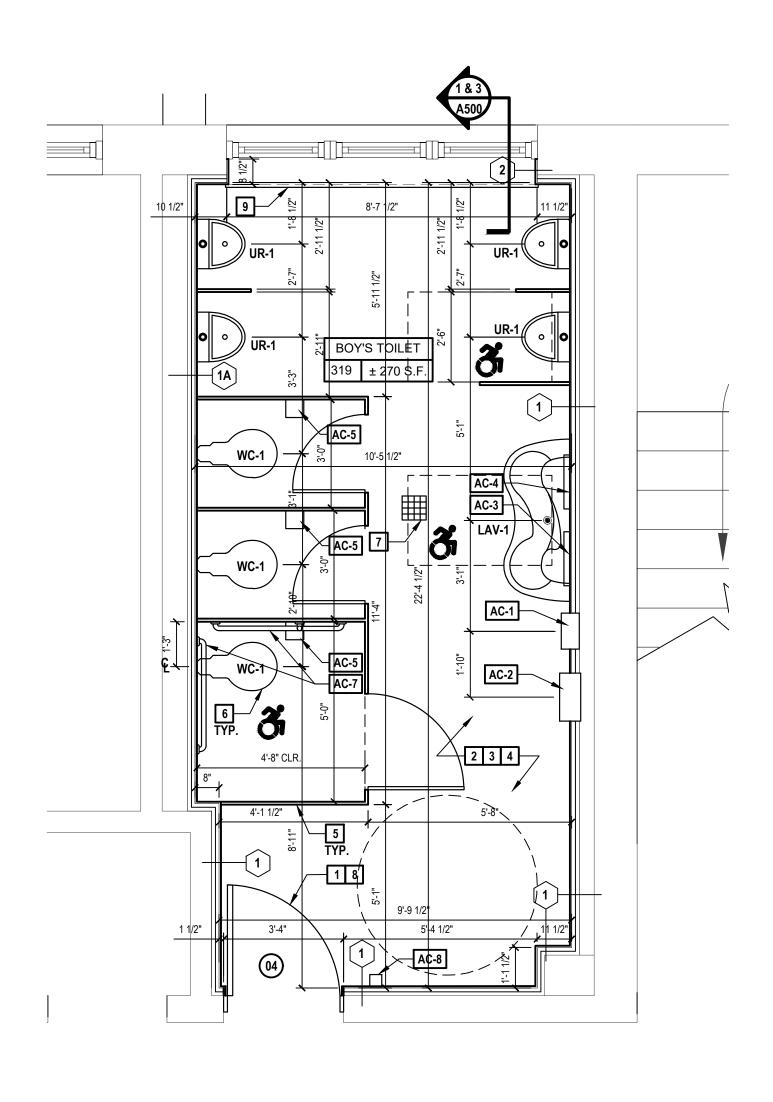




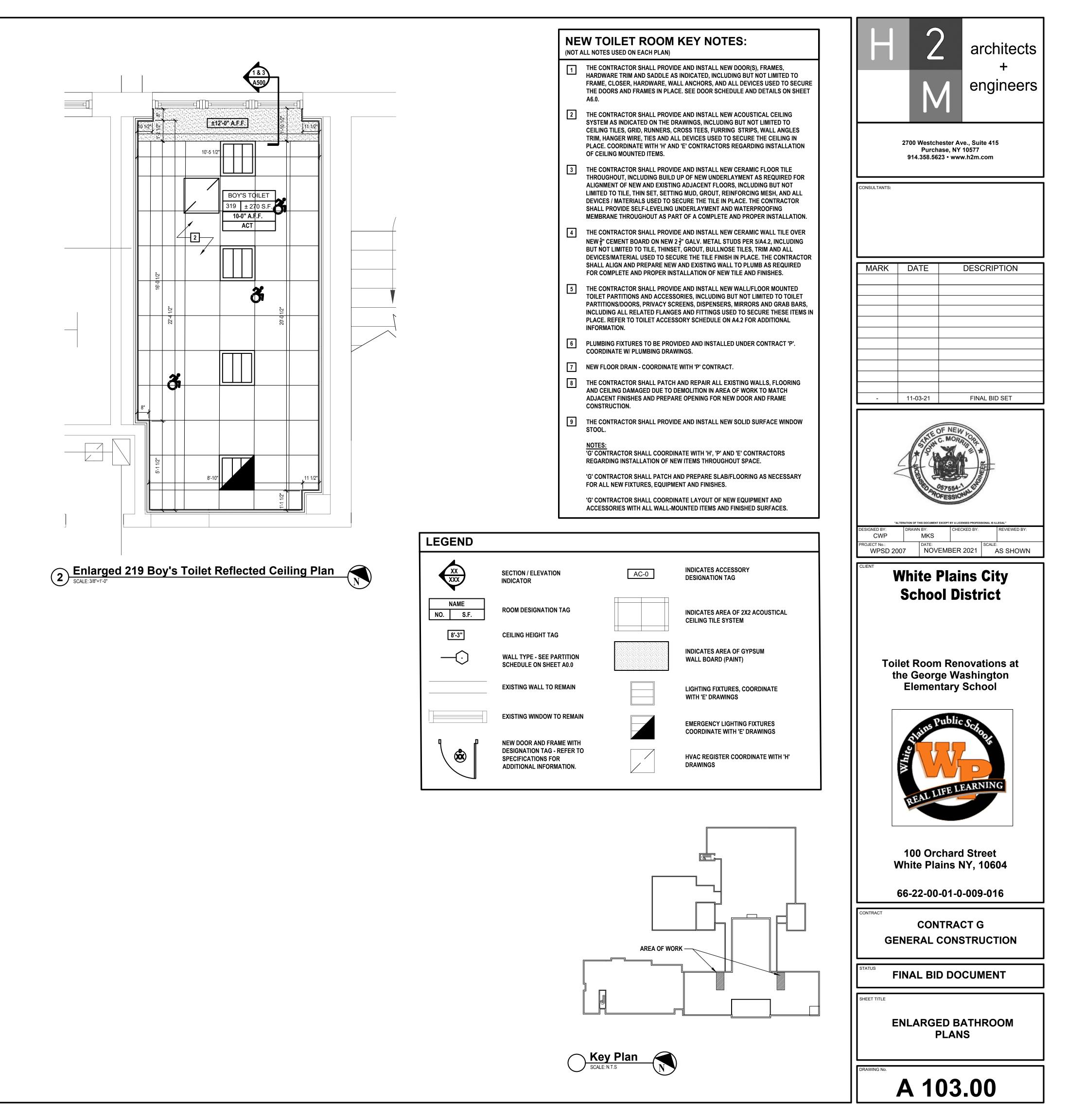


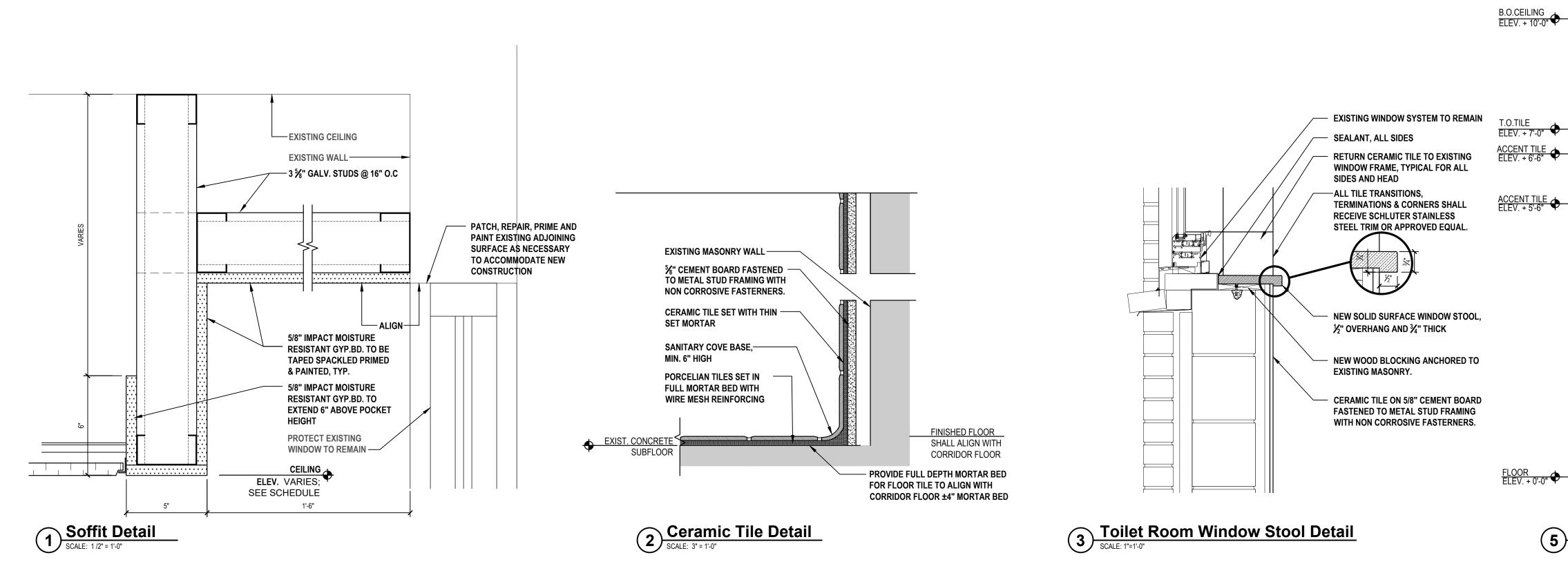


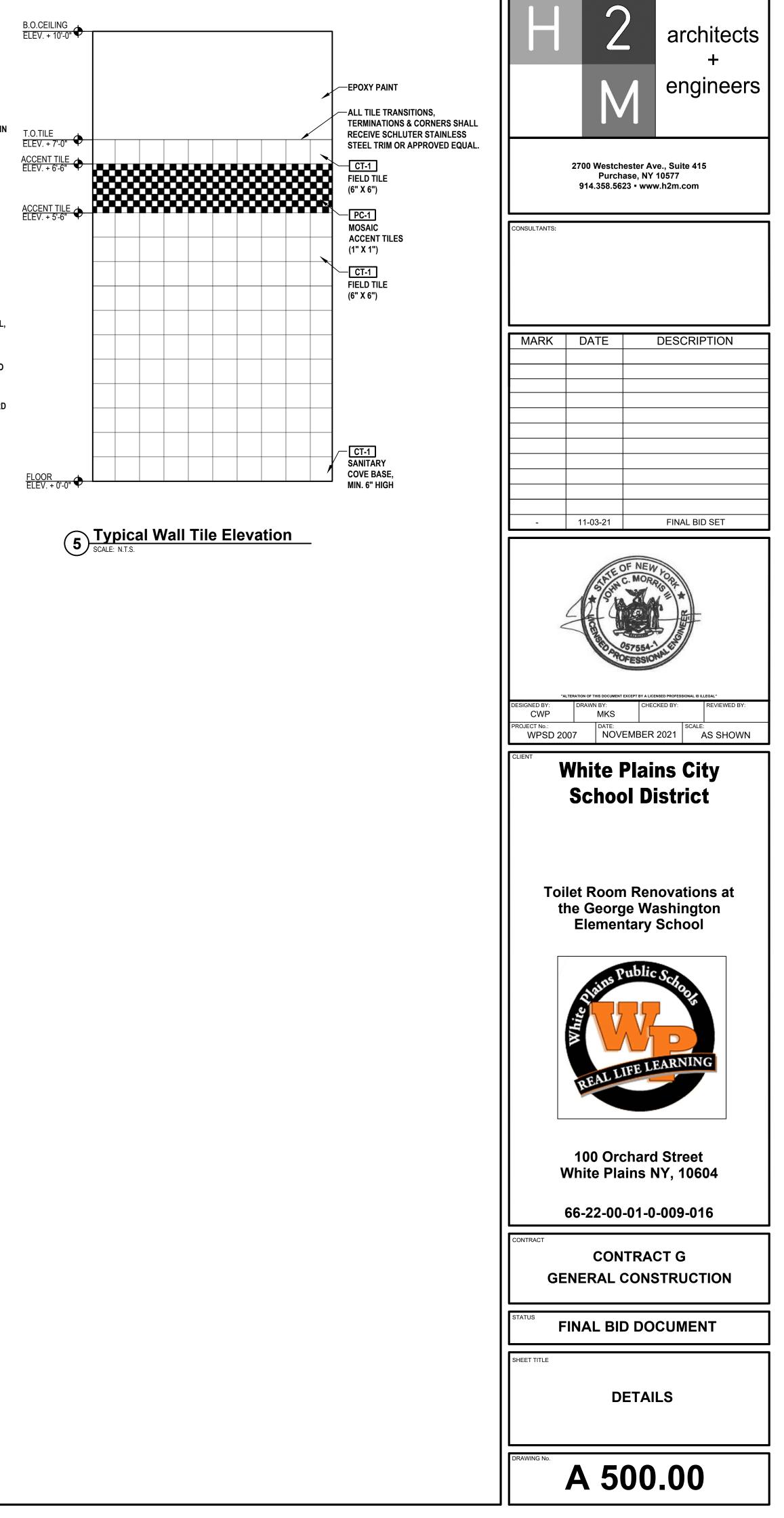










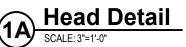


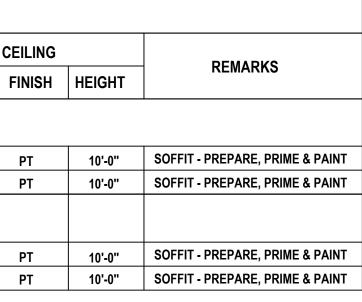
DC	OR SCHEDU	LE											
DOOR NO.	LOCATION	DOO	R OPENING SIZE	DOOR TYPE.	DOOR MATERIAL	FRAME TYPE	HEAD	DETAILS JAMB	SADDLE	FIRE RATII			
FIRST 01	FLOOR ART ROOM	3'	'-6" X 7'-0"	C	WD	HM	2H / A600.	00 2J / A600.00		45 MIN.	0;	3	
SECON 02	ID FLOOR GIRLS BATHROOM 21	5 3'	'-0" X 7'-0"	A	WD	НМ	1H / A600.	00   1J / A600.00	S1 / A600.00	45 MIN.	0,	1	
03	BOYS BATHROOM 219		'-0" X 7'-0"	A	WD	НМ	1H / A600.		S1 / A600.00	45 MIN.	0,	CEN	ITE
04	CORRIDOR		2'-10" X 7'-0"	B	WD	HM	2H / A600. 2H / A600.			45 MIN. 45 MIN.	02		
05 06	CORRIDOR		) 3'-9" X 7'-0" ) 3'-9" X 7'-0"	В	WD	HM	2H / A600.		•	45 MIN. 45 MIN.	02		ITE
THIRE 07 08	FLOOR GIRLS BATHROOM 313 BOYS BATHROOM 315	-	'-0" X 7'-0" '-0" X 7'-0"	A	WD WD	HM	1A / A600. 1A / A600.		S1 / A600.00 S1 / A600.00	45 MIN. 45 MIN.	0		
JENER	AL DOOR NOTES:							SIFIED OPENIN	IGS				
	CONTRACTOR IS RESPONS					RATIN		GLASS SIZE P		-			
VERI	OTED ON THE DOOR SCHE FY ALL DOOR FRAME SIZE	S ADJACENT V	WALL CONSTRU	UCTION AN	D ALL DOOR	3 Hrs		NON					
	S PRIOR TO THE SUBMISSI ING OF ANY DISCREPANCI					1[1 2] H [3 4] H		100 sq.in. / DC 1296 sq.in. / D		-			
	NTERIOR DOORS SHALL H SURED FROM TOP OF SADI		DERCUT. UNDE	RCUT SHA	LL BE	1[1 2] H		NON					
						[3 4] H	ir.	1296 sc	.in.				
F	NISH SCHEDU			NOF		EAST	WALL	SOUTH		WEST	WALL		
R	Dom Name / No.	FLOOR FINISH	BASE	MATERIA		MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	FINISH	MATERIA	L
SE	COND FLOOR												
215	GIRLS BATHROOM	PC	PC	СВ	CT / PC / PT	СВ	CT / PC / P	т св	CT / PC / PT	СВ	CT / PC / PT	ACT / GYP	Τ
219 TI		PC	PC	СВ	CT / PC / PT	СВ	CT / PC / P	т св	CT / PC / PT	СВ	CT / PC / PT	ACT / GYP	-
		1	1 1					_					_
215 219	GIRLS BATHROOM BOYS BATHROOM	PC PC	PC PC	CB CB	CT / PC / PT	CB CB	CT / PC / P CT / PC / P		CT / PC / PT CT / PC / PT	CB CB	CT / PC / PT CT / PC / PT	ACT / GYP ACT / GYP	+
CMU CONC CT			PC PLAS PT TERR WD	= VE = PA = TE	RCELAIN TILE NEER PLASTER F INT RRAZZO DOD	INISH							
NT LE & RA	ETAL FRAME, IL WOOD SCHEDULE	DOOR SCHEDULE AND FINISH	REFER TO DOOR SCHEDULE 2" 2" 22 2° 2° 2° 2° 2° 2° 2° 2° 2° 2° 2° 2°	RATE 100 S HOLL PAIN REMO WOO	FIRE & SAFETY ED GLASS (4" X 25 GQ.IN.)	ΛE,		D DOOR SCHEDULE SIZE AND FINISH		PREPAL PRIME C FOR SIZE AND FINISH FOR SIZE AND FINISH	RE, & PAINT ATED PANIC /ARE (BOTH	5/16" FIRE 8 RATED GLA 100 SQ.IN.) - HOLLOW MI PAINT — WOOD DOO SCHEDULE	ETA
	SCALE: N.T.S												

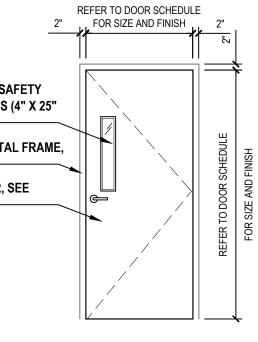
## REMARKS

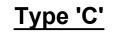
R DOOR IN OPENING. CONTRACTOR SHALL PROVIDE MAGNETIC HOLD OPENS AND ALL ELECTRICAL REQUIRED AS NECESSARY TO BE DED AND TIED INTO EXISTING DISTRICT ALARM SYSTEM R DOOR IN OPENING. CONTRACTOR SHALL PROVIDE MAGNETIC HOLD OPENS AND ALL ELECTRICAL REQUIRED AS NECESSARY TO BE DED AND TIED INTO EXISTING DISTRICT ALARM SYSTEM R DOOR IN OPENING. CONTRACTOR SHALL PROVIDE MAGNETIC HOLD OPENS AND ALL ELECTRICAL REQUIRED AS NECESSARY TO BE DED AND TIED INTO EXISTING DISTRICT ALARM SYSTEM

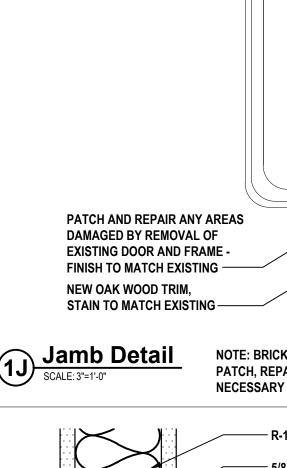
PATCH AND REPAIR ANY AREAS DAMAGED BY REMOVAL OF EXISTING DOOR AND FRAME -
FINISH TO MATCH EXISTING ——
NEW OAK WOOD TRIM, STAIN TO MATCH EXISTING
STAIN TO MATCH EXISTING

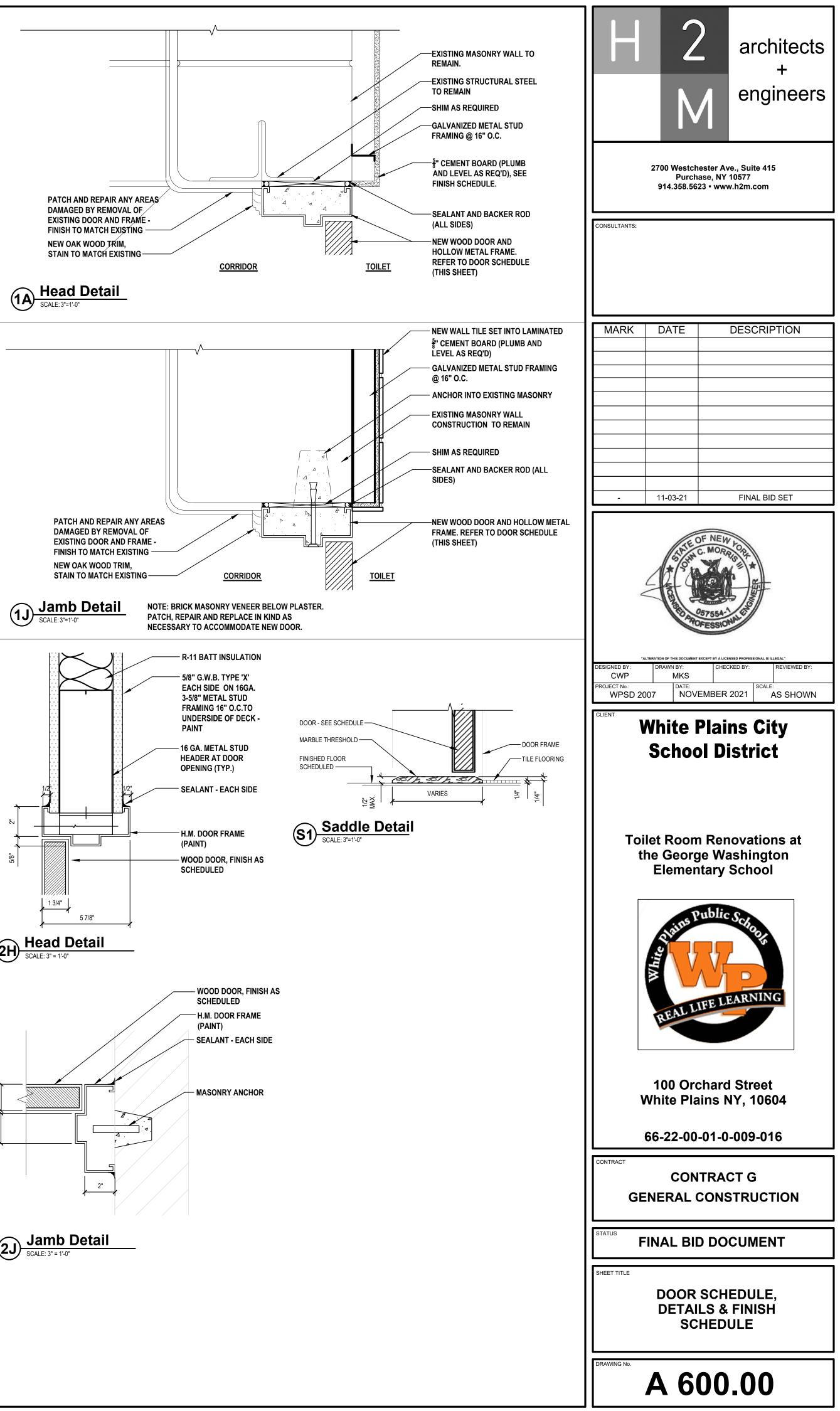


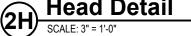


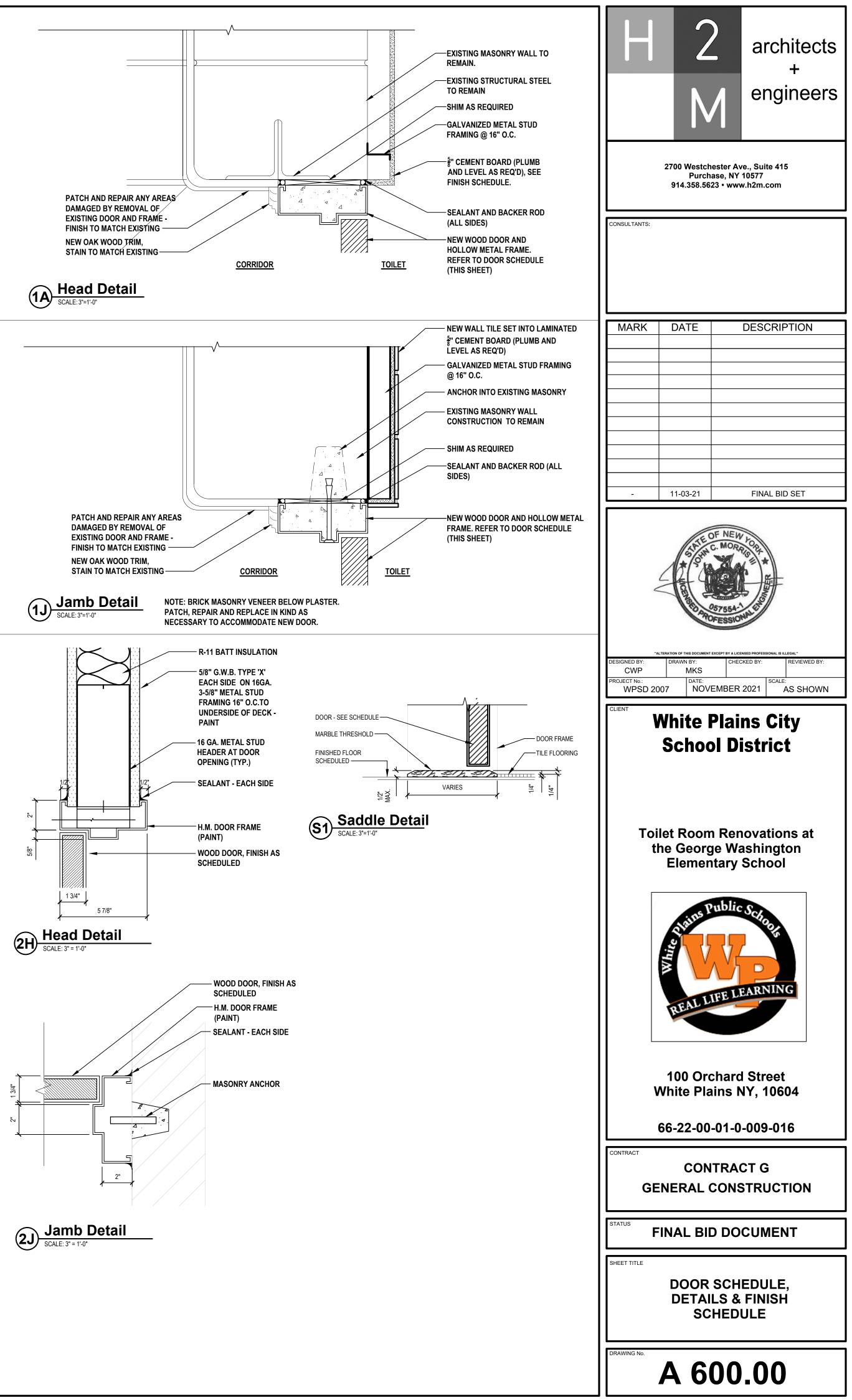












	/IATIONS
AFF	ABOVE FINISHED FLOOR
BCU BTU	BUILDING CONTROL UNIT
CFH	
CFM	
CLG	CEILING
COMM.	COMMUNICATION
CV	CONTROL VALVE
(D)	DEMOLISH
DB	DRY BULB
DCV	DEMAND CONTROLLED VENTILATION
DEG. F	DEGREES FAHRENHEIT
DIA	DIAMETER
DX	
'E'	
(E) EA	EXISTING
EAT	
EER	
ESP	EXTERNAL STATIC PRESSURE
FAI	FRESH AIR INTAKE
FD	FLOOR DRAIN
FLA	FULL LOAD AMPS
FT. H20	FEET OF WATER
'G'	GENERAL CONSTRUCTION CONTRACTOR
GPM	GALLONS PER MINUTE
GPH	GALLONS PER HOUR
Н	HEIGHT
'H'	HVAC CONTRACTOR
HP	HORSEPOWER
IN. W.C. (W.G.) KW	INCHES WATER COLUMN (WATER GAUGE) KILOWATTS
L	LENGTH
LAT	
LBS	POUNDS
LCD	LIQUID CRYSTAL DISPLAY
LDB	LEAVING DRY BULB TEMPERATURE
LWB	LEAVING WET BULB TEMPERATURE
LWT	LEAVING WATER TEMPERATURE
М	METER
MAX	
MBH	
MCA	
MIN	MINIMUM
N.C.	NORMALLY CLOSED
N.O.	NORMALLY OPEN
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NPT	NATIONAL PIPE THREAD
L	
NTS	NOT TO SCALE
NTS OAI	NOT TO SCALE OUTDOOR AIR INTAKE
NTS OAI OD	NOT TO SCALE OUTDOOR AIR INTAKE OUTER DIAMETER
NTS OAI OD OED	NOT TO SCALE OUTDOOR AIR INTAKE OUTER DIAMETER OPEN ENDED DUCT
NTS OAI OD OED 'P'	NOT TO SCALE OUTDOOR AIR INTAKE OUTER DIAMETER OPEN ENDED DUCT PLUMBING CONTRACTOR
NTS OAI OD OED 'P' PD	NOT TO SCALE OUTDOOR AIR INTAKE OUTER DIAMETER OPEN ENDED DUCT PLUMBING CONTRACTOR PRESSURE DROP
NTS OAI OD OED 'P' PD PSIG	NOT TO SCALE OUTDOOR AIR INTAKE OUTER DIAMETER OPEN ENDED DUCT PLUMBING CONTRACTOR PRESSURE DROP LBS / SQUARE INCH (GAUGE PRESSURE)
NTS OAI OD OED 'P' PD	NOT TO SCALE OUTDOOR AIR INTAKE OUTER DIAMETER OPEN ENDED DUCT PLUMBING CONTRACTOR PRESSURE DROP
NTS OAI OD OED 'P' PD PSIG RD	NOT TO SCALE OUTDOOR AIR INTAKE OUTER DIAMETER OPEN ENDED DUCT PLUMBING CONTRACTOR PRESSURE DROP LBS / SQUARE INCH (GAUGE PRESSURE) ROOF DRAIN
NTS OAI OD OED 'P' PD PSIG RD RPM	NOT TO SCALE OUTDOOR AIR INTAKE OUTER DIAMETER OPEN ENDED DUCT PLUMBING CONTRACTOR PRESSURE DROP LBS / SQUARE INCH (GAUGE PRESSURE) ROOF DRAIN REVOLUTIONS PER MINUTE
NTS OAI OD OED 'P' PD PSIG RD RPM RPZ	NOT TO SCALE OUTDOOR AIR INTAKE OUTER DIAMETER OPEN ENDED DUCT PLUMBING CONTRACTOR PRESSURE DROP LBS / SQUARE INCH (GAUGE PRESSURE) ROOF DRAIN REVOLUTIONS PER MINUTE REDUCED PRESSURE ZONE
NTS OAI OD OED 'P' PD PSIG RD RPM RPZ SAT	NOT TO SCALE OUTDOOR AIR INTAKE OUTER DIAMETER OPEN ENDED DUCT PLUMBING CONTRACTOR PRESSURE DROP LBS / SQUARE INCH (GAUGE PRESSURE) ROOF DRAIN REVOLUTIONS PER MINUTE REDUCED PRESSURE ZONE SUPPLY AIR TEMPERATURE
NTS OAI OD OED 'P' PD PSIG RD RPM RPZ SAT SEER	NOT TO SCALE OUTDOOR AIR INTAKE OUTER DIAMETER OPEN ENDED DUCT PLUMBING CONTRACTOR PRESSURE DROP LBS / SQUARE INCH (GAUGE PRESSURE) ROOF DRAIN REVOLUTIONS PER MINUTE REDUCED PRESSURE ZONE SUPPLY AIR TEMPERATURE SEASONAL ENERGY EFFICIENCY RATING
NTS OAI OD OED 'P' PD PSIG RD RPM RPZ SAT SEER TEMP	NOT TO SCALEOUTDOOR AIR INTAKEOUTER DIAMETEROPEN ENDED DUCTPLUMBING CONTRACTORPRESSURE DROPLBS / SQUARE INCH (GAUGE PRESSURE)ROOF DRAINREVOLUTIONS PER MINUTEREDUCED PRESSURE ZONESUPPLY AIR TEMPERATURESEASONAL ENERGY EFFICIENCY RATINGTEMPERATURE
NTS OAI OD OED 'P' PD PSIG RD RPM RPZ SAT SEER SAT SEER TEMP TG	NOT TO SCALEOUTDOOR AIR INTAKEOUTER DIAMETEROPEN ENDED DUCTPLUMBING CONTRACTORPRESSURE DROPLBS / SQUARE INCH (GAUGE PRESSURE)ROOF DRAINREVOLUTIONS PER MINUTEREDUCED PRESSURE ZONESUPPLY AIR TEMPERATURESEASONAL ENERGY EFFICIENCY RATINGTEMPERATURETRANSFER GRILLE
NTS OAI OD OED 'P' PD PSIG RD PSIG RD RPM RPZ SAT SEER TEMP TG TYP VFD VFD W	NOT TO SCALEOUTDOOR AIR INTAKEOUTER DIAMETEROPEN ENDED DUCTPLUMBING CONTRACTORPRESSURE DROPLBS / SQUARE INCH (GAUGE PRESSURE)ROOF DRAINREVOLUTIONS PER MINUTEREDUCED PRESSURE ZONESUPPLY AIR TEMPERATURESEASONAL ENERGY EFFICIENCY RATINGTEMPERATURETRANSFER GRILLETYPICALVARIABLE FREQUENCY DRIVEWIDTH
NTS OAI OD OED 'P' PD PSIG RD RPM RPZ SAT SEER TEMP TG TYP VFD	NOT TO SCALEOUTDOOR AIR INTAKEOUTER DIAMETEROPEN ENDED DUCTPLUMBING CONTRACTORPRESSURE DROPLBS / SQUARE INCH (GAUGE PRESSURE)ROOF DRAINREVOLUTIONS PER MINUTEREDUCED PRESSURE ZONESUPPLY AIR TEMPERATURESEASONAL ENERGY EFFICIENCY RATINGTEMPERATURETRANSFER GRILLETYPICALVARIABLE FREQUENCY DRIVE

DUCTWORK LEGEND	I		PIPING LEGEND		
SYMBOL	ABBREV	DESCRIPTION	SYMBOL	ABBREV	DESCRIPTION
		DUCTWORK BRANCH CONNECTION			NEW WORK
	VD	VOLUME DAMPER	<u> </u>		PIPING DOWN/ PIPING UP
			]−●		BALL VALVE WITH HOSE END CONNECTION
	CD	ROUND FACE SUPPLY DIFFUSER	Q	TH	THERMOMETER
	SEE AIR DEVICE SCHEDULE	SIDEWALL SUPPLY, RETURN OR EXHAUST GRILLE/REGISTER			
	SEE AIR DEVICE SCHEDULE	SQUARE FACE SUPPLY DIFFUSER			FLEXIBLE PIPE CONNECTION DIRECTION OF FLOW
	SEE AIR DEVICE SCHEDULE	BOTTOM RETURN OR EXHAUST GRILLE/REGISTER	—这 — 这	PSR	PRESSURE SAFETY AND RELIEF VALVE
	FC	FLEXIBLE CONNECTION		PRV	PRESSURE REDUCING VALVE
			-5	BV	BALL VALVE
		TURNING VANES	ēj k>	BA	BALANCING VALVE
		RECTANGULAR TO ROUND TRANSITION	l	BFV	BUTTERFLY VALVE
 	AL	ACOUSTICAL LINING	ÎF		TEMPERATURE SENSOR WITH THERMOWELL
				GA	GATE VALVE
		END CAP	→XX→	GB	GLOBE VALVE
	SEE AIR DEVICE SCHEDULE	SUPPLY DIFFUSER WITH DIRECTIONAL FLOW (SOLID HATCH INDICATES BLANK OFF PANEL)	<u> </u>	AV	AUTOMATIC AIR VENT
		SUPPLY DUCT DROP (TURN DOWN)		CV	2-WAY ELECTRONIC CONTROL VALVE
				CV	3-WAY ELECTRONIC CONTROL VALVE
		RETURN/EXHAUST DUCT DROP (TURN DOWN)		CV	2-WAY PNEUMATIC CONTROL VALVE
		SUPPLY DUCT RISE		CV	3-WAY PNEUMATIC CONTROL VALVE
		RETURN/EXHAUST DUCT RISE		STR	STRAINER WITH BLOW OFF VALVE WITH HOSE END CONNECTION
				FD	FLOOR DRAIN
DSD	DSD	DUCT SMOKE DETECTOR	S		AIR SEPARATOR
M	MD	MOTORIZED DAMPER WITH ACTUATOR	——————————————————————————————————————		STEAM TRAPS (INDICATE TYPE)
	AD	ACCESS DOOR		СН	CHECK VALVE
	FD/AD	FIRE DAMPER WITH ACCESS DOOR	Ŷ	PG	PRESSURE GAUGE WITH GAUGE COCK
•				RED	REDUCER
	FSD/AD	FIRE SMOKE DAMPER WITH ACCESS DOOR		CO	CLEANOUT END CAP
		FAN			PIPE GUIDE
· <u>/////</u> .		WORK TO BE REMOVED			
•		POINT OF DISCONNECTION FROM EXISTING			
•		POINT OF CONNECTION TO EXISTING			
CONTROLS LEGEND					
SYMBOL	ABBREV	DESCRIPTION			POINT OF CONNECTION TO EXISTING
C		CARBON MONOXIDE SENSOR	┸┤╱┝┸	TDV	TRIPLE DUTY VALVE

CONTROLS LEGEND							
SYMBOL	ABBREV	DESCRIPTION					
©		CARBON MONOXIDE SENSOR					
T		THERMOSTAT					
3		DIGITAL TEMPERATURE SENSOR					
H		HUMIDITY SENSOR					
<b>C</b> 2		CARBON DIOXIDE SENSOR					
P		PRESSURE SENSOR					

3.	PEF COI THE
4.	CO INS
5.	FIR Dai Du(
6.	DO SCO CAL CO MA <sup>T</sup> REO COI SH/ ARO EQU
7.	MAI COI INS DU(
8.	Fiei Mo Pro
9.	PR( EQI
10.	INS COI PIP
11.	LOC STF ENS
12.	CO PR(
13.	
14.	CO
15.	CO APF
16.	TES (AA BAL
17.	MAI MEI
18.	PR( INC
19.	INT WIT PRO SEC
20.	PRO EXF UNI APF
21.	INS SP/
WO	RK
1.	EXI DR/
2.	CU
	PA1 CU

# **GENERAL NOTES**

1. PROVIDE ALL MATERIALS AND EQUIPMENT AND PERFORM ALL LABOR REQUIRED TO INSTALL COMPLETE AND OPERABLE MECHANICAL SYSTEMS AS INDICATED ON THE DRAWINGS, AS SPECIFIED AND AS REQUIRED BY 2020 MECHANICAL CODE OF NEW YORK STATE.

2. THE CONTRACTOR, BY PRESENTING THEIR BID FOR THE WORK, REPRESENTS THAT HE/SHE HAS INSPECTED THE SITE AND IS COMPLETELY FAMILIAR WITH THE SCOPE OF WORK AND ALL FIELD CONDITIONS RELATED TO, AND AFFECTING THE WORK AND ITS PERFORMANCE. EXCEPTIONS AFFECTING THE WORK AND ITS PERFORMANCE, OR CONFLICTS BETWEEN FIELD CONDITIONS, SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT PRIOR TO THE SUBMISSION OF BIDS.

RFORM ALL WORK IN ACCORDANCE WITH THE PLUMBING CODE, FIRE CODE, MECHANICAL CODE, ENERGY DNSERVATION CONSTRUCTION CODE, AND FUEL GAS CODE OF NEW YORK STATE AND THE REQUIREMENTS OF E LOCAL AUTHORITIES HAVING JURISDICTION.

DMPLY WITH THE NATIONAL ELECTRIC CODE AND THE REQUIREMENTS OF DIVISION 26 FOR ALL ELECTRICAL STALLATIONS.

RE STOP ALL OPENINGS IN FIRE RATED CONSTRUCTION FOR PIPING, DUCTWORK, CONDUIT, ETC. PROVIDE FIRE MPERS AND ACCESS DOORS IN ALL OPENINGS IN FIRE RATED FLOORS, PARTITIONS, AND WALLS FOR JCTWORK AS PER THE MECHANICAL CODE OF NEW YORK STATE.

) NOT SCALE DRAWINGS. DRAWINGS FOR HVAC WORK ARE DIAGRAMMATIC AND ARE INTENDED TO CONVEY COPE AND GENERAL ARRANGEMENT ONLY. THE LOCATIONS OF ALL ITEMS SHOWN ON THE DRAWINGS OR ALLED FOR IN THE SPECIFICATIONS THAT ARE NOT DEFINITELY FIXED BY DIMENSIONS ARE APPROXIMATE. OORDINATE CONTRACT DOCUMENTS, PROJECT REQUIREMENTS, WORK OF OTHERS, AND EQUIPMENT AND ATERIALS PURCHASED WITH FIELD DIMENSIONS. INSTALL ALL EQUIPMENT AS PER MANUFACTURER'S QUIREMENTS TO PROVIDE PROPER CLEARANCE FOR INSTALLATION, OPERATION, AND MAINTENANCE. DNTRACTOR'S INTENDED MEANS AND METHODS OF INSTALLATION AND CONTRACTOR'S FABRICATED ITEMS IALL ENSURE A PROPER "FIT" AND INSTALLATION. BRING ANY CONFLICTS TO THE ATTENTION OF THE RCHITECT/ENGINEER DURING THE SUBMITTAL PHASE FOR RESOLUTION PRIOR TO PURCHASING ANY QUIPMENT.

AINTAIN MAXIMUM HEADROOM AND SPACE CONDITIONS AT ALL POINTS. WHERE HEADROOM AND SPACE DNDITIONS APPEAR INADEQUATE, NOTIFY THE ARCHITECT/ENGINEER PRIOR TO PROCEEDING WITH STALLATION. MAINTAIN A MINIMUM OF 6'-8" CLEARANCE FROM FINISHED FLOOR TO UNDERSIDE OF PIPES, UCTS, CONDUITS, SUSPENDED EQUIPMENT, ETC., THROUGHOUT ACCESS ROUTES IN MECHANICAL ROOMS.

ELD VERIFY AND COORDINATE ALL DUCT AND PIPING DIMENSIONS BEFORE FABRICATION. MAKE DDIFICATIONS IN THE LAYOUT AS NEEDED TO PREVENT CONFLICT WITH WORK OF OTHER TRADES OR FOR ROPER EXECUTION OF THE WORK. OBTAIN THE APPROVAL OF THE ARCHITECT/ENGINEER FOR MODIFICATIONS.

ROVIDE PRODUCTS OF ONE MANUFACTURER WHERE TWO OR MORE ITEMS OF THE SAME TYPE OF MATERIAL OR QUIPMENT IS REQUIRED.

STALL ALL EQUIPMENT AND APPURTENANCES IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS, DNTRACT DOCUMENTS, AND APPLICABLE CODES AND REGULATIONS. REFER TO DETAILS FOR ADDITIONAL PING AND EQUIPMENT INSTALLATION REQUIREMENTS.

CATE ALL TEMPERATURE, PRESSURE, AND FLOW MEASURING DEVICES IN ACCESSIBLE LOCATIONS WITH RAIGHT SECTION OF PIPE OR DUCT UP- AND DOWNSTREAM AS RECOMMENDED BY THE MANUFACTURER TO ISURE MANUFACTURER CERTIFIED ACCURACY.

DORDINATE ALL EQUIPMENT CONNECTIONS WITH MANUFACTURER'S CERTIFIED DRAWINGS. COORDINATE AND ROVIDE ALL PIPING AND DUCT TRANSITIONS REQUIRED FOR FINAL CONNECTIONS TO EQUIPMENT.

OORDINATE LOCATIONS AND SIZES OF ALL FLOOR, WALL, AND ROOF OPENINGS WITH ALL OTHER TRADES. OORDINATE ALL PIPING AND EQUIPMENT SUPPORTED FROM STRUCTURE WITH GENERAL CONSTRUCTION

OORDINATE INSTALLATION OF SUPPLY AND RETURN GRILLES WITH INSTALLATION OF FINISHED CEILINGS.

DMPLETE ALL PRESSURE TESTS BEFORE ANY MECHANICAL EQUIPMENT, DUCTWORK, OR PIPING INSULATION IS PLIED.

STING, ADJUSTING, AND BALANCING AGENCY SHALL BE A MEMBER OF THE ASSOCIATED AIR BALANCE COUNCIL ABC) OR THE NATIONAL ENVIRONMENTAL BALANCING BUREAU (NEBB). PERFORM ALL TESTING, ADJUSTING, AND LANCING IN ACCORDANCE WITH THE SPECIFICATIONS.

AKE ALL ATTACHMENTS TO JOISTS, TRUSSES, OR JOIST GIRDERS AT PANEL POINTS. PROVIDE BEAM CLAMPS EETING MSS STANDARDS. THE USE OF C-CLAMPS IS NOT PERMITTED.

ROVIDE CONCRETE PADS A MINIMUM OF 6 INCHES HIGH FOR ALL FLOOR MOUNTED EQUIPMENT. EXTEND PAD 4 CHES BEYOND THE EQUIPMENT ON ALL SIDES.

TERNALLY LINE ALL SUPPLY AND RETURN DUCTWORK WITHIN 20 FEET UPSTREAM AND DOWNSTREAM OF FANS ITH 1" THICK INSULATION. INTERNALLY LINED DUCTWORK MEETING THIS REQUIREMENT SHALL ALSO BE ROVIDED WITH EXTERNALLY APPLIED INSULATION AS REQUIRED BY THE SPECIFICATIONS. SEE SPECIFICATION ECTION 230719 FOR ADDITIONAL REQUIREMENTS.

ROVIDE TRAPPED DRAIN PIPING FROM DRAIN PANS OF ALL COOLING COILS, FANS, AND OTHER ACTIVE DRAINS POSED TO SYSTEM AIR STREAM. PROVIDE TRAP AT CONNECTION, WATER SEAL DEPTH 1 INCH GREATER THAN NIT OPERATING PRESSURE. DIRECT DRAINS TO NEAREST FLOOR DRAIN, MOP SINK, OR OTHER LOCATION PROVED BY THE ARCHITECT/ENGINEER.

STALL PIPING, DUCTWORK, AND CONDUIT CONCEALED IN AREAS HAVING HUNG CEILINGS AND/OR FURRED ACES UNLESS OTHERWISE INDICATED ON THE DRAWINGS.

### IN EXISTING AREAS

ISTING CONDITIONS, INCLUDING EQUIPMENT, DUCT AND PIPE SIZES AND LOCATIONS, INDICATED ON THE RAWINGS ARE DIAGRAMMATIC. CONFIRM ALL EXISTING CONDITIONS PRIOR TO PROCEEDING WITH THE WORK.

UT AND ROUGH PATCH EXISTING CONSTRUCTION AS REQUIRED FOR THE PERFORMANCE OF THE WORK. FINISH ATCHING AND FLASHING REQUIREMENTS ARE SHOWN ON THE ARCHITECTURAL DRAWINGS. PERFORM ALL CUTTING AND PATCHING WORK IN A MANNER SUCH THAT ANY EXISTING WARRANTEES/GUARANTEES ARE NOT VOIDED. USE QUALIFIED PERSONNEL IN PERFORMANCE OF THE WORK.

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

1. 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.

2. PROVIDE ALL LOUVERS FOR INSTALLATION BY CONTRACT 'G'. SUBMIT LOUVER COLOR AND CONFIGURATION TO THE ARCHITECT/ENGINEER FOR APPROVAL.

3. 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'.

4. FURNISH AND INSTALL ALL NECESSARY CONTROL WIRING, CONDUIT, AND ACCESSORIES AS REQUIRED TO PROVIDE FULLY FUNCTIONING SYSTEMS AND SEQUENCES OF OPERATION.

5. FURNISH ALL LINTELS FOR DUCT AND PIPE PENETRATIONS IN INTERIOR MASONRY WALLS FOR INSTALLATION BY CONTRACT 'G'.

6. FURNISH ALL SLEEVES FOR PIPE AND CONDUIT FLOOR, WALL, PARTITION, AND ROOF PENETRATIONS FOR INSTALLATION BY CONTRACT 'G'.

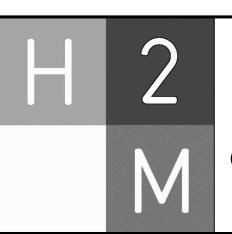
7. FURNISH ALL CURBS FOR ALL ROOF MOUNTED EQUIPMENT AND DUCT PENETRATIONS FOR INSTALLATION BY CONTRACT 'G'.

8. REMOVE CHASE ENCLOSURE COVER WHEN PERFORMING WORK IN ANY CHASE, AND REINSTALL THE CHASE ENCLOSURE COVER WHEN WORK IS COMPLETE.

9. 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

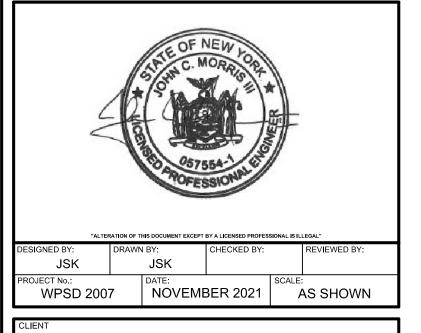
1. ABBREVIATIONS AND SYMBOLS ON THIS SHEET DO NOT DEFINE THE SCOPE OF WORK.



architects engineers

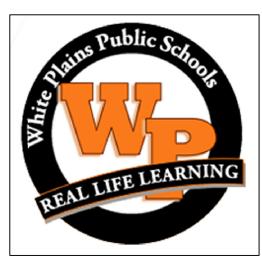
2700 Westchester Ave., Suite 415 Purchase, NY 10577 914.358.5623 - www.h2m.com

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



# 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

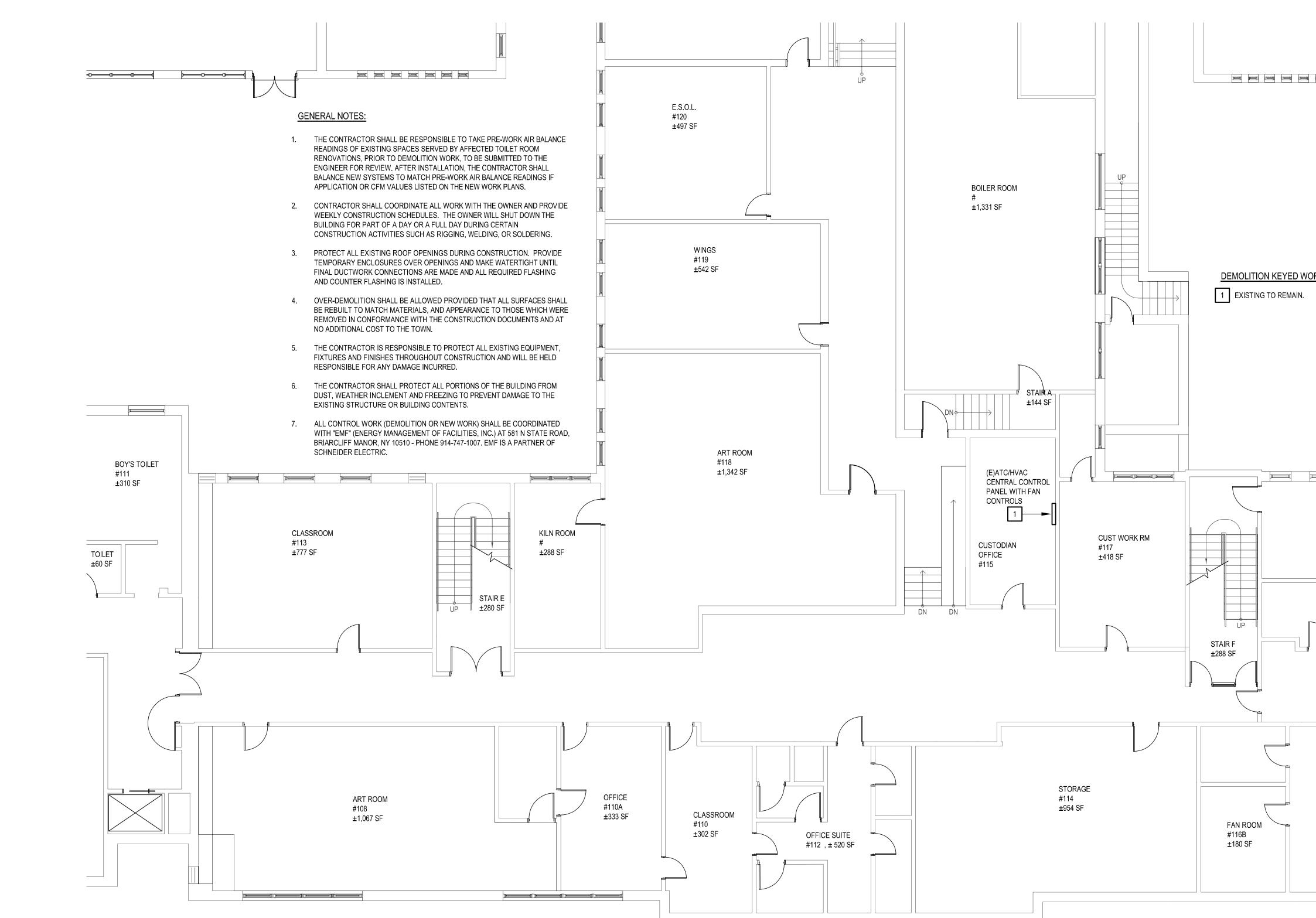
**CONTRACT G** GENERAL CONSTRUCTION

FINAL BID DOCUMENT

SHEET TITLE

MECHANICAL LEGENDS AND SCHEDULES

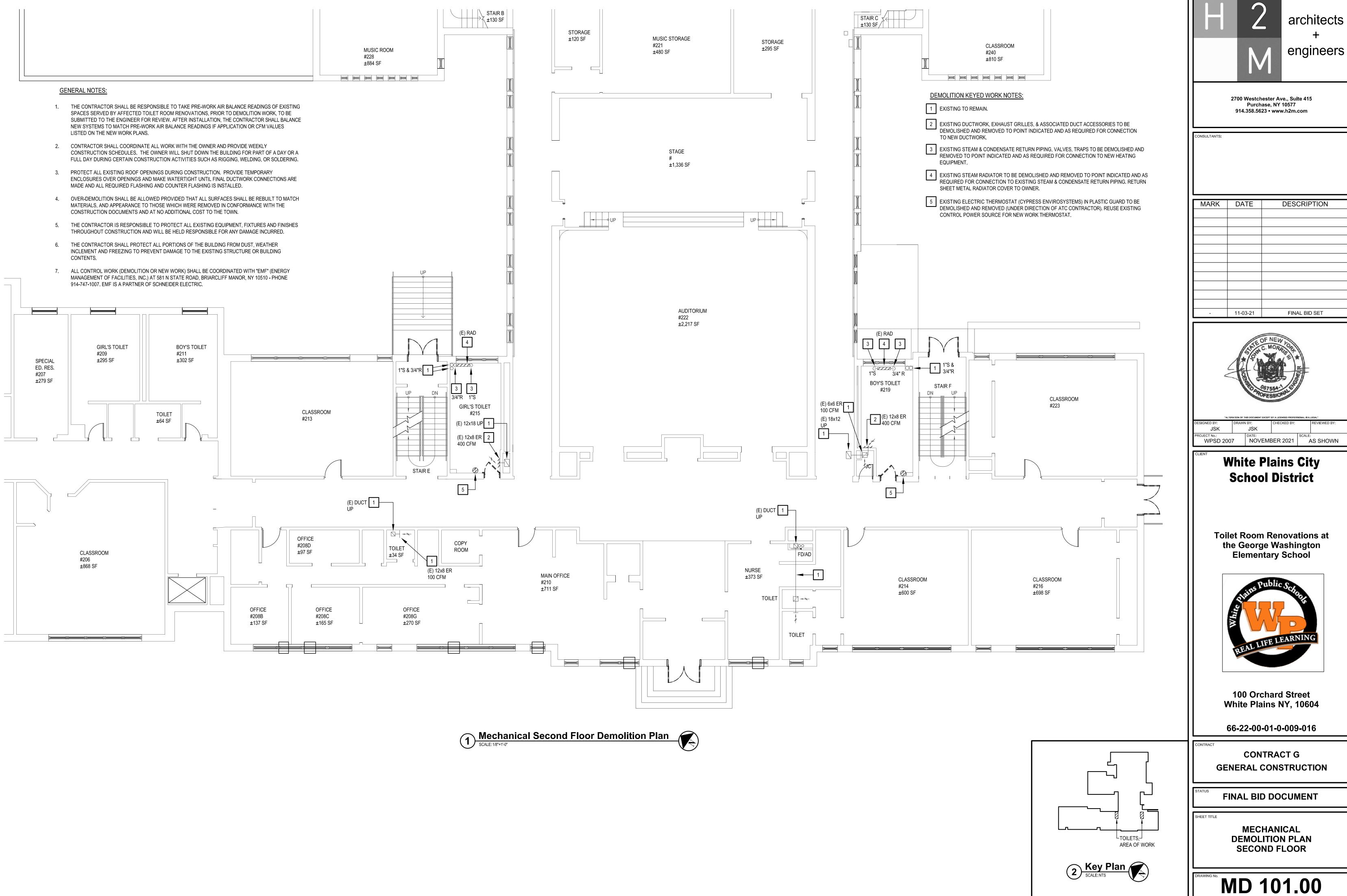
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1 Mechanical First Floor Demolition Plan

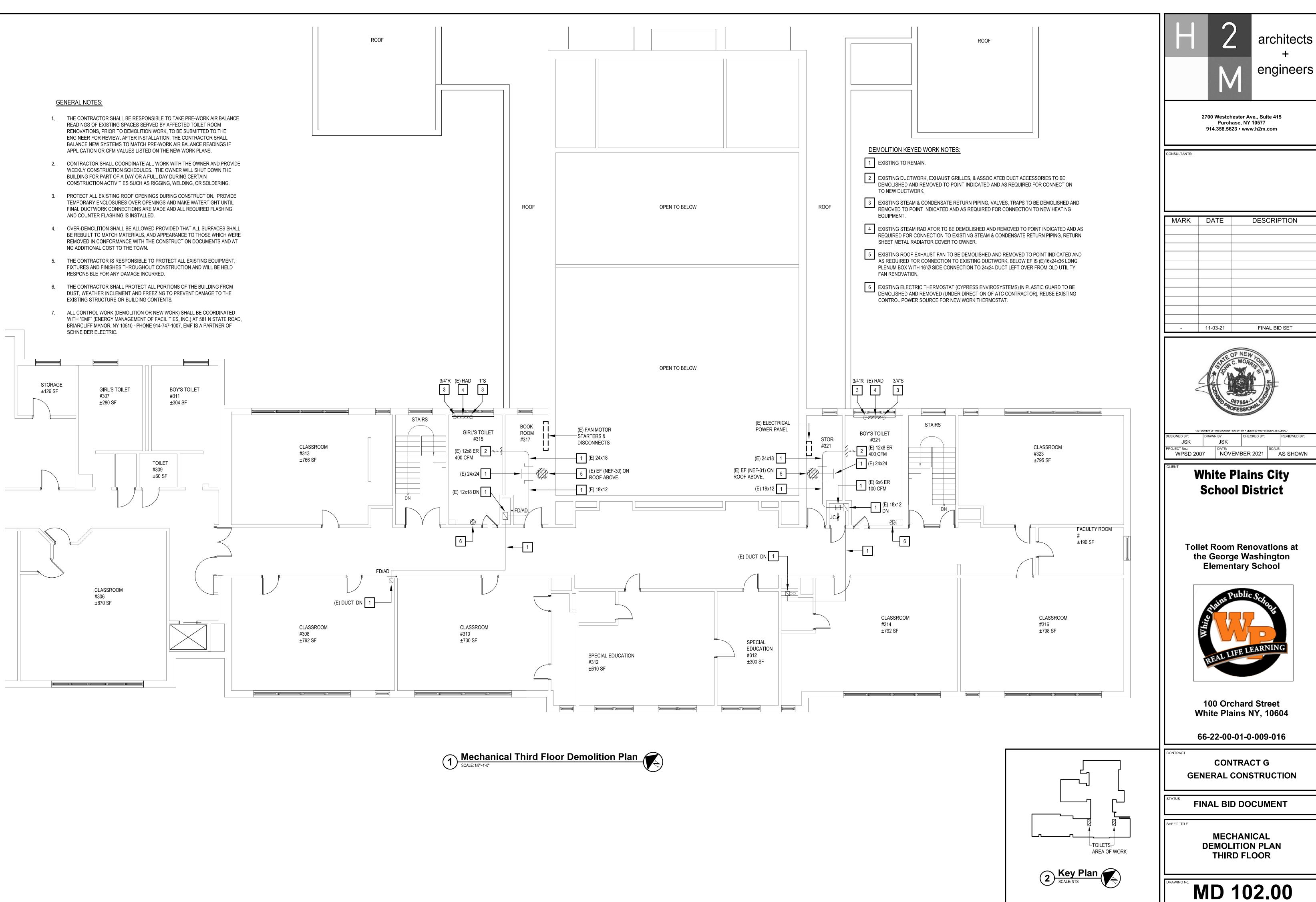


	Η	2 M	architects + engineers
		/00 Westchester Av Purchase, NY 914.358.5623 ▪ wwv	10577
<u>RK NOTES:</u>	CONSULTANTS:		
	MARK I	DATE	DESCRIPTION
		11-03-21	FINAL BID SET
COMPUTER ROOM #123 ±523 SF		CON OF THIS DOCUMENT EXCEPT BY A LCC	
	DESIGNED BY: DI JSK PROJECT No.: WPSD 2007	RAWN BY: CHEC JSK DATE: NOVEMBER	2021 REVIEWED BY: SCALE: AS SHOWN
INSTRUCTIONAL #116 ±716 SF	S Toilet the E	George Wa Elementary	istrict
	66 CONTRACT	-22-00-01-0	-009-016
		CONTRA ERAL CONS	CT G STRUCTION
	STATUS FIN	AL BID DO	CUMENT
CUST WORK RM, AREA OF WORK <b>Key Plan</b>		MECHAN DEMOLITIO FIRST FL	N PLAN
SCALE: NTS		D 10	0.00



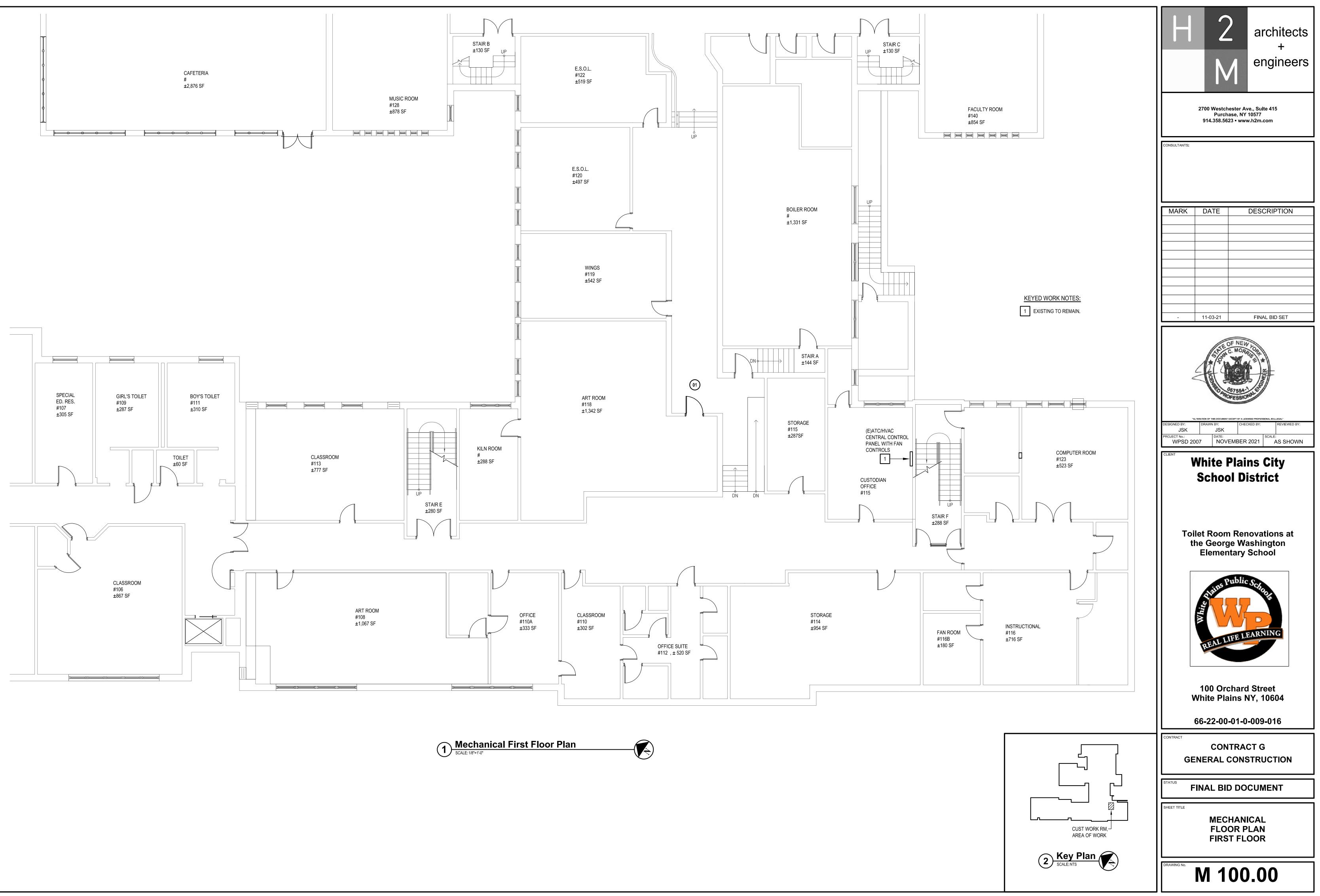
CLASSROOM	
#240	
+810 SE	

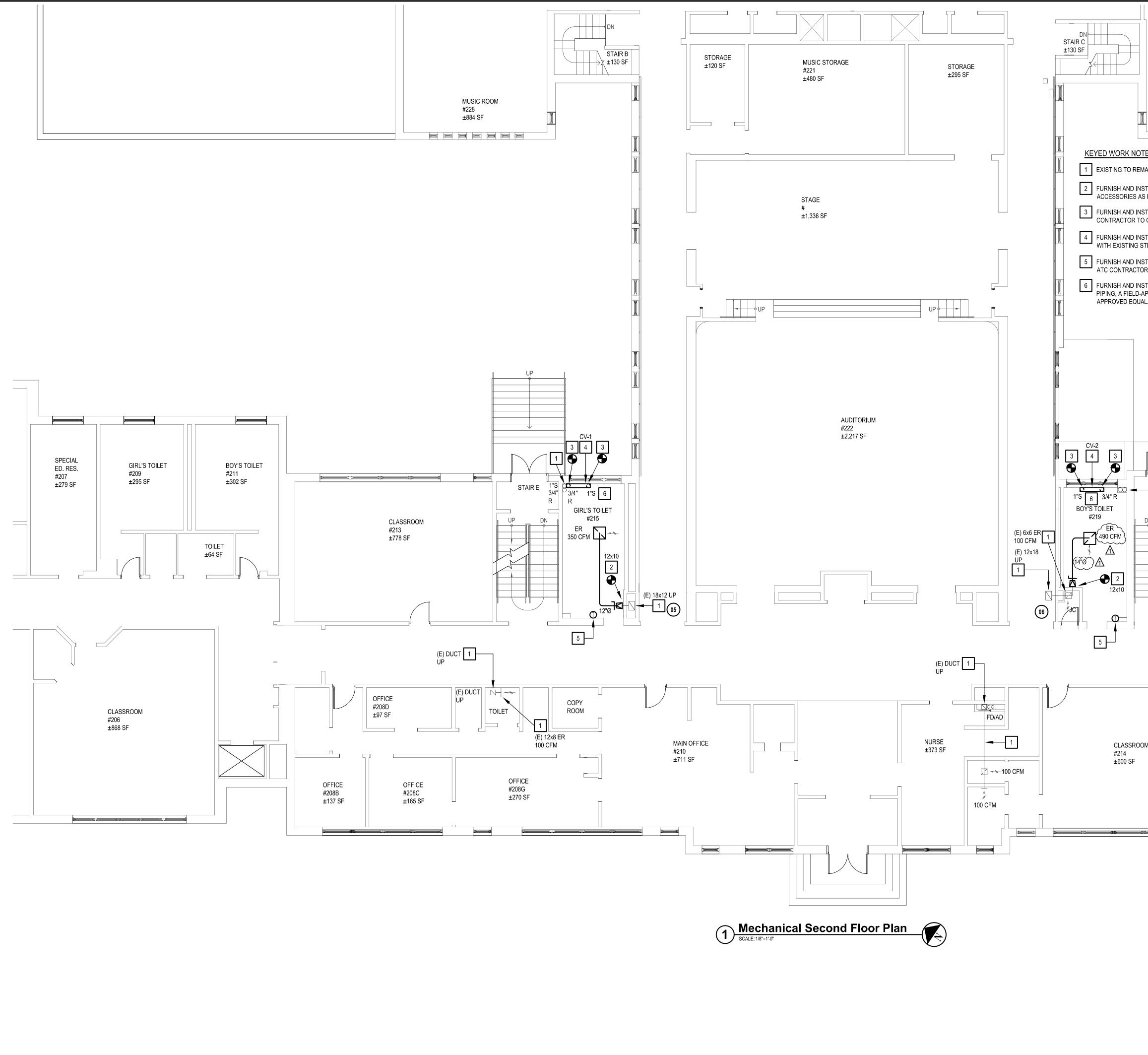
- READINGS OF EXISTING SPACES SERVED BY AFFECTED TOILET ROOM RENOVATIONS, PRIOR TO DEMOLITION WORK, TO BE SUBMITTED TO THE ENGINEER FOR REVIEW. AFTER INSTALLATION, THE CONTRACTOR SHALL BALANCE NEW SYSTEMS TO MATCH PRE-WORK AIR BALANCE READINGS IF APPLICATION OR CFM VALUES LISTED ON THE NEW WORK PLANS.
- WEEKLY CONSTRUCTION SCHEDULES. THE OWNER WILL SHUT DOWN THE BUILDING FOR PART OF A DAY OR A FULL DAY DURING CERTAIN
- TEMPORARY ENCLOSURES OVER OPENINGS AND MAKE WATERTIGHT UNTIL FINAL DUCTWORK CONNECTIONS ARE MADE AND ALL REQUIRED FLASHING AND COUNTER FLASHING IS INSTALLED.
- REMOVED IN CONFORMANCE WITH THE CONSTRUCTION DOCUMENTS AND AT
- RESPONSIBLE FOR ANY DAMAGE INCURRED.
- DUST, WEATHER INCLEMENT AND FREEZING TO PREVENT DAMAGE TO THE EXISTING STRUCTURE OR BUILDING CONTENTS.
- BRIARCLIFF MANOR, NY 10510 PHONE 914-747-1007. EMF IS A PARTNER OF





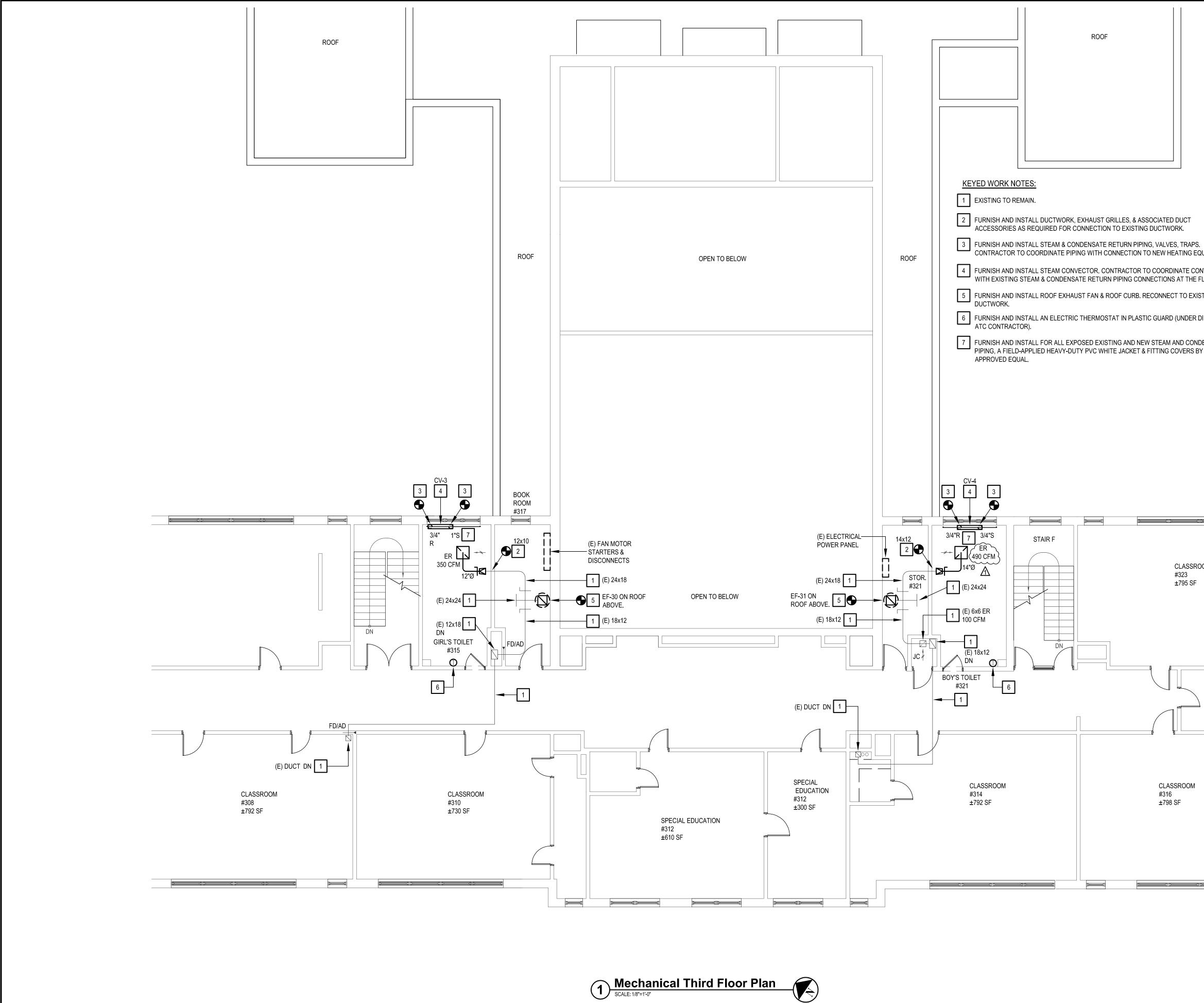
]		ROOF	





X:WPSD (White Plains Central School District) - 10991/WPSD 2007 - (George Washington Toilet Room Renovations)/02-BIM-CADD/Con-docs/hvac/M 101.00 - 2nd Floor Mech Plan.dwg Last Modified: Nov 02, 2021 - 11:20am Plotted on: Nov 02, 2021 - 11:21am

	H 2 architects +
CLASSROOM	M engineers
#240 ±810 SF	2700 Westchester Ave., Suite 415 Purchase, NY 10577 914.358.5623 - www.h2m.com
T <u>ES:</u> /AIN.	CONSULTANTS:
STALL DUCTWORK, EXHAUST GRILLES, & ASSOCIATED DUCT S REQUIRED FOR CONNECTION TO EXISTING DUCTWORK. STALL STEAM & CONDENSATE RETURN PIPING, VALVES, TRAPS. D COORDINATE PIPING WITH CONNECTION TO NEW HEATING EQUIPMENT.	
STALL STEAM CONVECTOR. CONTRACTOR TO COORDINATE CONVECTOR STEAM & CONDENSATE RETURN PIPING CONNECTIONS AT THE FLOOR. STALL AN ELECTRIC THERMOSTAT IN PLASTIC GUARD (UNDER DIRECTION OF	MARK DATE DESCRIPTION
OR). STALL FOR ALL EXPOSED EXISTING AND NEW STEAM AND CONDENSATE APPLIED HEAVY-DUTY PVC WHITE JACKET & FITTING COVERS BY ZESTON OR	
AL.	
	- 11-03-21 FINAL BID SET
1 1"S 3/4"R STAIR F	STATE OF NEW LOPPL STATE OF NEW LOPPL AND C. MORRODEL AND C. M
DN UP CLASSROOM #223 ±690 SF	"ALTERATION OF THIS DOCUMENT EXCEPT BY A LICENSED PROFESSIONAL IS ILLEGAL"         DESIGNED BY:       DRAWN BY:       CHECKED BY:       REVIEWED BY:         JSK       JSK       SCALE:
	CLIENT White Plains City School District
	Toilet Room Renovations at the George Washington Elementary School
DM CLASSROOM #216 ±698 SF	REAL LIFE LEARNING
	100 Orchard Street White Plains NY, 10604
	66-22-00-01-0-009-016
	CONTRACT G GENERAL CONSTRUCTION
	STATUS FINAL BID DOCUMENT
TOILETS, AREA OF WORK	SHEET TITLE MECHANICAL FLOOR PLAN SECOND FLOOR
2 SCALE:NTS	DRAWING NO. <b>M 101.00</b>





			00 Westchester At Purchase, NY 214.358.5623 • www	10577
S. QUIPMENT. DNVECTOR FLOOR. STING DIRECTION OF DENSATE BY ZESTON OR		MARK [	DATE	DESCRIPTION
		-ALTERATIO	1-03-21	CKED BY: REVIEWED BY: SCALE:
FACULTY ROOM # ±190 SF		So Toilet the	Room Rer George Wa Iementary	istrict novations at ashington School
		1 Wh	00 Orchard ite Plains N -22-00-01-0	l Street NY, 10604
	Contraction of the second seco	GENE	CONTRAGERAL CONS AL BID DO MECHAN FLOOR P THIRD FL	
	2 Key Plan SCALE:NTS		102	

ROOM	ROOM	EQUIPMENT			ROOM	DATA			OUTSIE	DE AIR CFM	REQUIRED	(VRP)	EXHAUS	T AIR CFM R	EQUIRED	DESIGN A	NR FLOWS	NOTES
NO.	NAME	TAG	TYPE	DISTR EFFECT	AREA SQ FT	HGT	NO. OF FIXTURES	NO. OF PEOPLE	PER PERSON	PER SQ FT	BRTH ZONE	OA	PER FIXTURE	PER SQ FT	TOTAL REQ'D	MIN OA	EA	
				(Ez)	(Az)			(Pz)	(Rp)	(Ra)	(Vbz)	REQ'D	(CODE)	(CODE)	(CODE)	(CFM)	(CFM)	
215	GIRL'S TOILET ROOM	EF-30	PUBLIC TOILET	0.8	274	10.5	5						70				350	1
219	BOY'S TOILET ROOM	EF-31	PUBLIC TOILET	0.8	240	10.5		A					70		{ 490 }	A	{ 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	A					70		<u>(490</u> )	A	<u>(490</u> )	<u>A</u> 1
NOTES:																		

							EXHA	UST FAN	SCHEDUI	E									
UNIT	SERVICE	LOCATION	MFG	MODEL	TYPE	DRIVE	AIRFLOW	ESP	SPEED	SOUND	L N	IOTOR DAT	Ā			PHYSICAL E	DATA		NOTES
										POWER	V/P/H	HP	SPEED	DUCT	CONN.	ROOF	DPENING	WGT	1
														L	W	L	W	1	
							(CFM)	(IN WG)	(RPM)	SONES			(RPM)	(IN)	(IN)	(IN)	(IN)	(LBS)	
EF-30	TOILETS	ROOF	GREENHECK	G-123-VG	CENTRIFUGAL DOME	DIRECT	1500	0.6	1503	13.2	208/1/60	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	208/1/60	1/2	1725	12	12	14.5	14.5	79	1,2,3,4,5,6
3	. FANS SHALL ING . FANS SHALL ING	CLUDE: HIGH-W LL BE UL 705 LI	IND-RATED ROOF STED, AMCA CER1	CURB (12 INCH	OVERLOAD PROTECTION HIGH), HINGED CURB CAI								⊔ N (86% FREE <i>A</i>	IAREA).	1		1	<u> </u>	<u> </u>

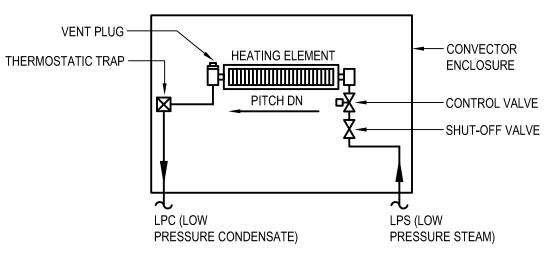
- 4. JUNCTION BOX MOUNTED AND WIRED.
- 5. ONE YEAR STANDARD WARRANTY. 6. INTERLOCK EXHAUST FAN WITH AUTOMATIC TEMPERATURE CONTROL SYSTEM.

UNIT	MFG	MODEL	MOUNTING	OUTLET	INLET	STEAM	STEAM		PHYSIC	AL DATA		NOTES
			TYPE	GRILLE	GRILLE	TEMPERATURE	HEATING	D	L	H	RECESS	
				TYPE	TYPE		CAPACITY				DEPTH	
						(DEGREES F)	BTUH	(INCH)	(INCH)	(INCH)	(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

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.



1 Steam Convector - Piping Detail

EXHAUST FAN	
SECURE VENTILATOR TO CURB WITH S/M SCREWS 12" O.C. ALL AROUND. PROVIDE BACKING WASHERS AS REQUIRED.	 
ROOFING TO EXTEND UP AND OVER TOP OF CURB AS SHOWN	
INSULATION FILLER STRIP. FULL PERIMETER OF CURB. THICKNESS TO MATCH EXISTING INSULATION.	 <del> </del> 
SECURE CURB TO ROOF USING FASTENERS AT 12" O.C. BEFORE APPLYING ROOFING AND INSULATION	   
NOTES:	I

- 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.

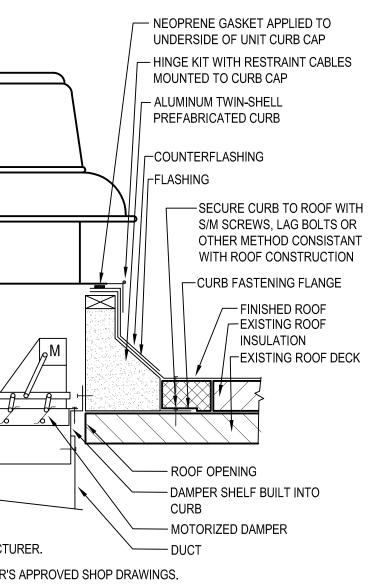


	GRILLE SCHEDULE									
TAG	TYPE	MFG	MODEL	MOUNT	MODULE	NECK	AIRFLOW	NC	PRESS	NOTES
				TYPE	SIZE	SIZE	RANGE	RATING	LOSS	
					(IN)	(IN)	(CFM)		(IN WG)	
EG	EXHAUST GRILLE	TITUS	PAR	LAY-IN	24x24	6" DIA.	0-120	13	0.1	1, 2, 3, 4
EG	EXHAUST GRILLE	TITUS	PAR	LAY-IN	24x24	8" DIA.	121-210	19	0.1	1, 2, 3, 4
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 SAME 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.



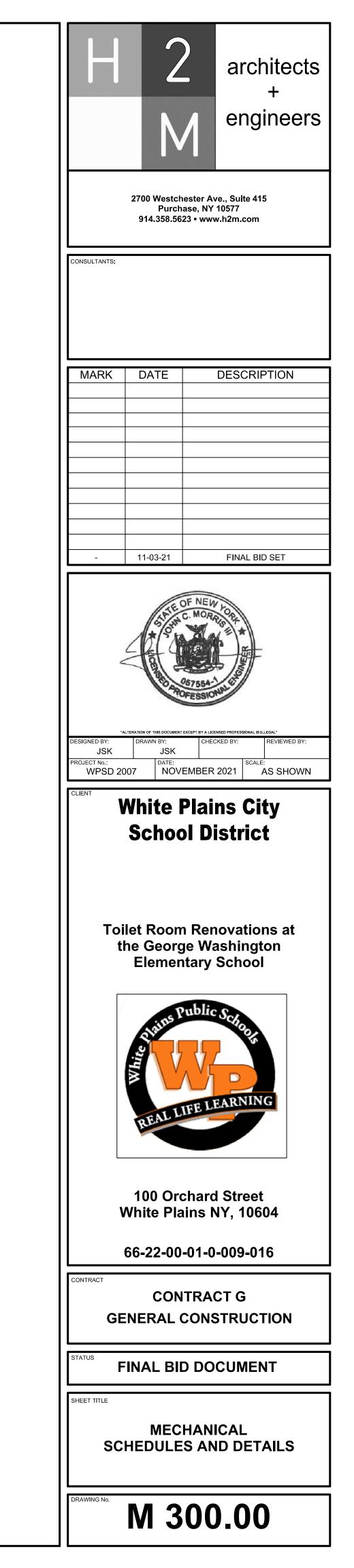
COVER) EXISTING CONTROL POWER MODULATING 2-WAY

PROGRAMMABLE THERMOSTAT (WALL MOUNTED WITH PLASTIC

CONTROL VALVE 

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.

3 Steam Convector - Control Schematic



1PLE,	OTHERWISE	STANDARD	<b>FINISH IS</b>	#26 WHITE.

MOTOR STARTER FURNISHED BY MECHANICAL

EXHAUST FAN

EF-30 OR 31

MS \_\_\_\_

HOA

EXISTING CONTROL PANEL

- POWER WIRING

BY ELECTRICAL CONTRACTOR

М

ALL CONTROL WORK (DEMOLITION OR NEW WORK) SHALL BE

FACILITIES, INC.) AT 581 N STATE ROAD, BRIARCLIFF MANOR, NY

10510 - PHONE 914-747-1007. EMF IS A PARTNER OF SCHNEIDER

COORDINATED WITH "EMF" (ENERGY MANAGEMENT OF

4 Exhaust Fan - Control Schematic SCALE: NTS

CONTRACTOR. MOUNTED & POWER WIRING BY

ELECTRICAL CONTRACTOR.

BACKDRAFT

DAMPER

ELECTRIC.

	GEND	
SYMBOL	DESCRIPTION	AFF
<u> </u>	PIPING UP	BTU
	PIPING DOWN	ВТՍН
C	PIPING RISE OR DROP	CLG
U	BRANCH-TOP CONNECTION	со
$-\frac{1}{2}$	BRANCH-BOTTOM CONNECTION	CODP
	REDUCER	COWP
	CLEANOUT	cw
$\odot$	FLOOR CLEANOUT	(D)
]	CAPPED PIPE	DCV
M	METER	DEG. F
0	FLOOR DRAIN	DIA
$\diamond$	AQUASTAT	DN
	PUMP	(E)
	STRAINER	EA
<u> </u>	UNION	FAI
꼬	THERMOSTATIC MIXING VALVE	FD
凶		G
		'GC'
		GPM
	CHECK VALVE (CV)	GPH
	GAS COCK, GAS STOP	'H'
ιδι	BALL VALVE (BV)	НР
ι <u></u> ιφι	BUTTERFLY VALVE (BFV)	HW
\$	SOLENOID VALVE	HWR
¥	PRESSURE-REDUCING VALVE (PRV)	IN.
	GATE VALVE (GV)	IN. W.C.
— <del>\\</del>	PRESSURE-RELIEF VALVE (RV)	(W.G.) KW
	BACKFLOW PREVENTER	LBS
*†	FROST FREE HOSE BIBB	M
t	HOSE BIBB	MAX
<b>⋩</b>	RECESSED-BOX HOSE BIBB OR WALL HYDRANT	MIN
E	EXPANSION JOINT	
	WATER HAMMER ARRESTER	NTS
HDO	VALVE IN RISER	OD
	WALL CLEANOUT (WCO)	(P)
	PITCH DOWN OR UP IN DIRECTION	'P'
	OF ARROW FLOW IN DIRECTION OF ARROW	PD
	COLD WATER (CW)	RD
	TEMPERED WATER (TW)	RPM
		RPZ
		SAN / S
		ST
		TEMP
	WASTE PIPING (W,S,OW)	ТҮР
	BELOW SLAB WASTE PIPING	TW
	VENT PIPING (V)	TWR
	GAS PIPING (G)	v
	PIPING / EQUIPMENT TO BE REMOVED	VTR
	POINT OF CONNECTION	w
	POINT OF DISCONNECTION	

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

- OF BIDS.
- REQUIREMENTS OF THE LOCAL AUTHORITIES HAVING JURISDICTION.
- INSTALLATIONS.

- ANY EQUIPMENT.
- EQUIPMENT, ETC., THROUGHOUT ACCESS ROUTES IN MECHANICAL ROOMS.
- EQUIPMENT IS REQUIRED.
- AND EQUIPMENT INSTALLATION REQUIREMENTS.
- MANUFACTURER CERTIFIED ACCURACY.

- MEETING MSS STANDARDS. THE USE OF C-CLAMPS IS NOT PERMITTED.
- INCHES BEYOND THE EQUIPMENT ON ALL SIDES.
- OTHERWISE INDICATED ON THE DRAWINGS.
- FIXTURES IN ACCORDANCE WITH THE REQUIREMENTS OF THE AUTHORITY HAVING JURISDICTION.
- ARRESTERS, ETC. READILY ACCESSIBLE.
- JURISDICTION.
- 24. CORE DRILL ALL PENETRATIONS THROUGH CONCRETE FLOORS, WALLS, AND FOOTINGS.
- FOOTING PENETRATIONS.
- THE NEW YORK STATE PLUMBING CODE ON ALL INCOMING DOMESTIC WATER SYSTEMS IN EXCESS OF 80 P.S.I.G.
- 28. COVER ALL COPPER PIPING BELOW SLAB WITH "ARMAFLEX" TYPE INSULATION.
- LOCAL AUTHORITIES HAVING JURISDICTION AND OBTAIN THEIR APPROVAL.
- FOR LOW LEAD.
- PROVISIONS.

# LEAD NOTE:

- HEALTH LEAD IN WATER REGULATION (10 NYCRR 67-4).

THE OTHER ONE TO THE OWNER.

# **GENERAL PLUMBING NOTES**

PROVIDE ALL MATERIALS AND EQUIPMENT AND PERFORM ALL LABOR REQUIRED TO INSTALL COMPLETE AND OPERABLE PLUMBING SYSTEMS AS INDICATED ON THE DRAWINGS, AS SPECIFIED AND AS REQUIRED BY CODE.

THE CONTRACTOR, BY PRESENTING THEIR BID FOR THE WORK, REPRESENTS THAT HE/SHE HAS INSPECTED THE SITE AND IS COMPLETELY FAMILIAR WITH THE SCOPE OF WORK AND ALL FIELD CONDITIONS RELATED TO, AND AFFECTING THE WORK AND ITS PERFORMANCE. EXCEPTIONS AFFECTING THE WORK AND ITS PERFORMANCE, OR CONFLICTS BETWEEN FIELD CONDITIONS, SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT PRIOR TO THE SUBMISSION

PERFORM ALL WORK IN ACCORDANCE WITH THE 2020 NEW YORK STATE PLUMBING (NYSPC), FIRE (NYSFC), MECHANICAL (NYSMC), ENERGY CONSERVATION CONSTRUCTION (NYSECC), AND FUEL GAS (NYSFGC) CODE AND THE

. COMPLY WITH THE NATIONAL ELECTRIC CODE AND THE REQUIREMENTS OF DIVISION 26 FOR ALL ELECTRICAL

5. APPLY FOR AND SECURE ALL REQUIRED PERMITS AND INSPECTIONS AND PAY ALL COSTS FOR THE SAME.

6. FIRE STOP ALL OPENINGS IN FIRE RATED CONSTRUCTION FOR PIPING, CONDUIT, ETC.

DO NOT SCALE DRAWINGS. DRAWINGS FOR PLUMBING WORK ARE DIAGRAMMATIC AND ARE INTENDED TO CONVEY SCOPE AND GENERAL ARRANGEMENT ONLY. THE LOCATIONS OF ALL ITEMS SHOWN ON THE DRAWINGS OR CALLED FOR IN THE SPECIFICATIONS THAT ARE NOT DEFINITELY FIXED BY DIMENSIONS ARE APPROXIMATE.

COORDINATE CONTRACT DOCUMENTS PROJECT REQUIREMENTS, WORK OF OTHERS, AND EQUIPMENT AND MATERIALS PURCHASED WITH FIELD DIMENSIONS, MANUFACTURERS REQUIREMENTS FOR INSTALLATION, OPERATION, AND MAINTENANCE, CONTRACTORS INTENDED MEANS AND METHODS OF INSTALLATION AND CONTRACTORS FABRICATED ITEMS TO ENSURE A PROPER "FIT" AND INSTALLATION. BRING ANY CONFLICTS TO THE ATTENTION OF THE ARCHITECT/ENGINEER DURING THE SUBMITTAL PHASE FOR RESOLUTION PRIOR TO PURCHASING

MAINTAIN MAXIMUM HEADROOM AND SPACE CONDITIONS AT ALL POINTS. WHERE HEADROOM AND SPACE CONDITIONS APPEAR INADEQUATE, NOTIFY THE ARCHITECT/ENGINEER PRIOR TO PROCEEDING WITH INSTALLATION. MAINTAIN A MINIMUM OF 6'-8" CLEARANCE FROM FINISHED FLOOR TO UNDERSIDE OF PIPES, CONDUITS, SUSPENDED

10. FIELD VERIFY AND COORDINATE ALL PIPING DIMENSIONS BEFORE FABRICATION. MAKE MODIFICATIONS IN THE LAYOUT AS NEEDED TO PREVENT CONFLICT WITH WORK OF OTHER TRADES OR FOR PROPER EXECUTION OF THE WORK. OBTAIN THE APPROVAL OF THE ARCHITECT/ENGINEER FOR MODIFICATIONS.

11. PROVIDE PRODUCTS OF ONE MANUFACTURER WHERE TWO OR MORE ITEMS OF THE SAME TYPE OF MATERIAL OR

12. INSTALL ALL EQUIPMENT AND APPURTENANCES IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS, CONTRACT DOCUMENTS, AND APPLICABLE CODES AND REGULATIONS. REFER TO DETAILS FOR ADDITIONAL PIPING

13. LOCATE ALL TEMPERATURE, PRESSURE, AND FLOW MEASURING DEVICES IN ACCESSIBLE LOCATIONS WITH STRAIGHT SECTION OF PIPE UP- AND DOWNSTREAM AS RECOMMENDED BY THE MANUFACTURER TO ENSURE

14. COORDINATE ALL EQUIPMENT CONNECTIONS WITH MANUFACTURER'S CERTIFIED DRAWINGS. COORDINATE AND PROVIDE ALL PIPING TRANSITIONS REQUIRED FOR FINAL CONNECTIONS TO EQUIPMENT.

15. COORDINATE LOCATIONS AND SIZES OF ALL FLOOR, WALL, AND ROOF OPENINGS WITH ALL OTHER TRADES. COORDINATE ALL PIPING AND EQUIPMENT SUPPORTED FROM STRUCTURE WITH GENERAL CONSTRUCTION WORK.

16. COMPLETE ALL PRESSURE TESTS BEFORE ANY PLUMBING EQUIPMENT, OR PIPING INSULATION IS APPLIED. 17. MAKE ALL ATTACHMENTS TO JOISTS, TRUSSES, OR JOIST GIRDERS AT PANEL POINTS. PROVIDE BEAM CLAMPS

18. PROVIDE CONCRETE PADS A MINIMUM OF 4 INCHES HIGH FOR ALL FLOOR MOUNTED EQUIPMENT. EXTEND PAD 4

19. INSTALL PIPING, AND CONDUIT CONCEALED IN AREAS HAVING HUNG CEILINGS AND/OR FURRED SPACES UNLESS

20. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION OF ALL ACCESSIBLE FIXTURES. MOUNT ALL SUCH

21. PROVIDE ACCESS DOORS IN WALLS, PARTITIONS, AND CEILINGS AS REQUIRED TO MAKE VALVES, WATER HAMMER

22. ARRANGE FOR, COORDINATE, AND MAKE CONNECTION TO ALL SERVICES PROVIDED BY OTHERS. CONFORM TO ALL REQUIREMENTS APPLICABLE TO CONNECTIONS IMPOSED BY UTILITY COMPANIES AND AUTHORITIES HAVING

23. INSTALL FIXTURES AND EQUIPMENT WITH VALVES, UNIONS, ETC. TO ALLOW FOR EASE OF SERVICE AND/OR REMOVAL.

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

26. PROVIDE A CLEANOUT AT THE BASE OF WASTE AND VENT STACKS WITH FINISHED WALL PLATE IN FINISHED WALLS.

27. FURNISH AND INSTALL WATER PRESSURE REDUCING VALVE AND PRESSURE RELIEF VALVE IN ACCORDANCE WITH

29. SLOPE ALL VENT PIPING TO DRAIN BACK TO THE DRAINAGE SYSTEM.

30. FLUSH AND DISINFECT ALL DOMESTIC POTABLE WATER PIPING AND TEST THE WATER IN ACCORDANCE WITH THE INTERNATIONAL PLUMBING CODE. PROVIDE CERTIFICATE OF PERFORMANCE AND LABORATORY TEST REPORT TO

31. PROVIDE WATER HAMMER ARRESTORS AT ALL QUICK CLOSING FIXTURE VALVE LOCATIONS.

32. ALL PIPING, VALVES AND FITTINGS USED FOR POTABLE WATER SHALL BE NSF 61/372 COMPLIANT AND BE TESTED

33. ANY PENETRATIONS THROUGH AIR BARRIER SHALL BE SEALED AS PER 2020 NYSECC RESIDENTIAL AND COMMERCIAL

34. ALL PIPING IN PLENUM SPACES SHALL BE CAST IRON FOR SANITARY, STORM, VENT SYSTEMS, AND COPPER PIPING FOR DOMESTIC SYSTEMS, AND STEEL PIPING FOR GAS SYSTEMS. NO PLASTIC PIPING ALLOWED.

ALL FAUCETS, FITTINGS, AND VALVES MUST COMPLY WITH NSF 61 AND ASTM 372 FOR LOW LEAD PERCENTAGE

CONTRACTOR SHALL BE RESPONSIBLE TO DEMONSTRATE COMPLIANCE WITH THE NYS DEPARTMENT OF

AT THE CONCLUSION OF NEW PLUMBING WORK, THE CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE THE SERVICES OF A THIRD PARTY NYS LICENSED ENVIRONMENTAL TESTING LABORATORY TO PROVIDE LEAD TESTING AT ALL NEW LAVATORIES, SINKS, SHOWERS, DRINKING FOUNTAINS AND ALL OTHER FIXTURES WHERE WATER MAY BE CONSUMED FOR DRINKING. TWO COPIES OF THE REPORT MUST BE SUBMITTED, ONE COPY TO THE ENGINEER AND

PLUMBING FIXTURES										
		MINIMUM CONNECTION SIZES (IN)								
FIXTURE NO.	DESCRIPTION	COLD	VATER	HOT W	/ATER	DRAIN		v		
		SIZE			FU	SIZE	DFU	v		
LAV-1	LAVATORY - WALL MOUNT	1/2	1.5	1/2	1.5	1 1/2	1	1 1/2		
LAV-2	LAVATORY 2 BAY WASH STATION - WALL MOUNT - ADA	1/2	1.5	1/2	1.5	1 1/2	1	1 1/2		
WC-1	WATER CLOSET - WALL MOUNT - FLUSHOMETER		10	-	-	4	4	2		
WC-2	WATER CLOSET - WALL MOUNT - FLUSHOMETER - ADA		10	-	-	4	4	2		
FD-1	FLOOR DRAIN - SEE NOTE 4	1/2	-	-	-	3	2	2		
UR-1	URINAL - WALL MOUNT - FLUSHOMETER	3/4	5	-	-	3	4	2		
UR-2	URINAL - WALL MOUNT - FLUSHOMETER - ADA	3/4	5	-	-	3	4	2		
HB-1	HOSE BIBB	3/4"	-	-	-	-	-	-		

NOTES:

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

2. SEE SPECIFICATIONS FOR MANUFACTURER AND MODEL NUMBERS

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

4. ALL FLOOR DRAINS SHALL HAVE TRAP SEAL.

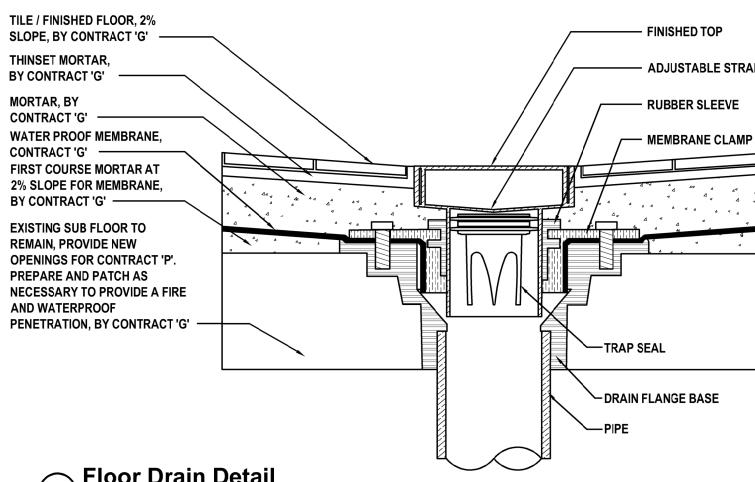
# **DEMOLITION NOTES**

### <u>GENERAL</u>

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

### SCOPE OF WORK

- DEMOLITION WORK SHALL INCLUDE ALL MATERIALS, LABOR, EXTENSIONS, CONNECTIONS, CUTTING, REPAIRING, ADAPTING AND OTHER PLUMBING WORK REQUIRED TO MAINTAIN SERVICE PENDING THE COMPLETION OF THE PERMANENT WORK. COORDINATE THE EXTENT OF DEMOLITION WORK WITH THE ARCHITECT AND BUILDING MANAGEMENT.
- THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL CONSTRUCTION DEBRIS AND UNWANTED MATERIAL OFF
- SITE IN ACCORDANCE WITH CONTRACT SPECIFICATIONS. THE CONTRACTOR SHALL TAKE CARE NOT TO DAMAGE ADJOINING SURFACES OUTSIDE THE CONTRACT AREA OR SCOPE OF WORK. THE CONTRACTOR SHALL BE RESPONSIBLE TO RESTORE TO EXISTING CONDITIONS SURFACE DAMAGED DURING CONSTRUCTION INCLUDING PATCHING AND PAINTING AS REQUIRED AND DEEMED NECESSARY BY
- THE ARCHITECT. ALL EXISTING WORK REQUIRED TO REMAIN BUT INTERFERING WITH PROPOSED NEW PLUMBING (AS WELL AS ELECTRICAL, MECHANICAL AND GENERAL CONSTRUCTION WORK) SHALL BE RELOCATED AND RECONNECTED USING
- MATERIALS CONFORMING TO STANDARDS OF THIS CONTRACT. REMOVE ALL FIXTURES AS NOTED ON THE ARCHITECTURAL PLANS. PROVIDE TEMPORARY CAPS FOR HOT, COLD AND SANITARY CONNECTIONS DURING NEW CONSTRUCTION.
- 6. REMOVE BASE BUILDING PIPING AS INDICATED BELOW:
- 6.1. REMOVE ALL ABANDONED BASE BUILDING PIPING BACK TO THE EXISTING WET COLUMNS OR SHAFTS, OR AS NOTED ON DRAWINGS. CONTRACTOR TO CONTACT BUILDING MANAGEMENT AND TENANT REGARDING REMOVAL SCOPE OF WORK TO 6.2. MAINTAIN CONTINUITY OF ALL SERVICES TO ALL TENANTS WHO ARE TO REMAIN OPERATIONAL AND NOT BE
- AFFECTED BY DEMOLITION WORK. 6.3. ALL EXISTING BUILDING VALVES FOR DOMESTIC WATER MAINS AT SHAFTS ARE TO REMAIN.
- 7. PROVIDE ADDITIONAL SUPPORT FOR ALL EXISTING PIPING TO REMAIN WHICH ARE AFFECTED BY DEMOLITION OF
- **EXISTING CEILING AND PARTITIONS.** 8. COORDINATE WITH OWNER TO DETERMINE WHETHER REMOVED EQUIPMENT IS TO BE TURNED OVER TO THE OWNER.



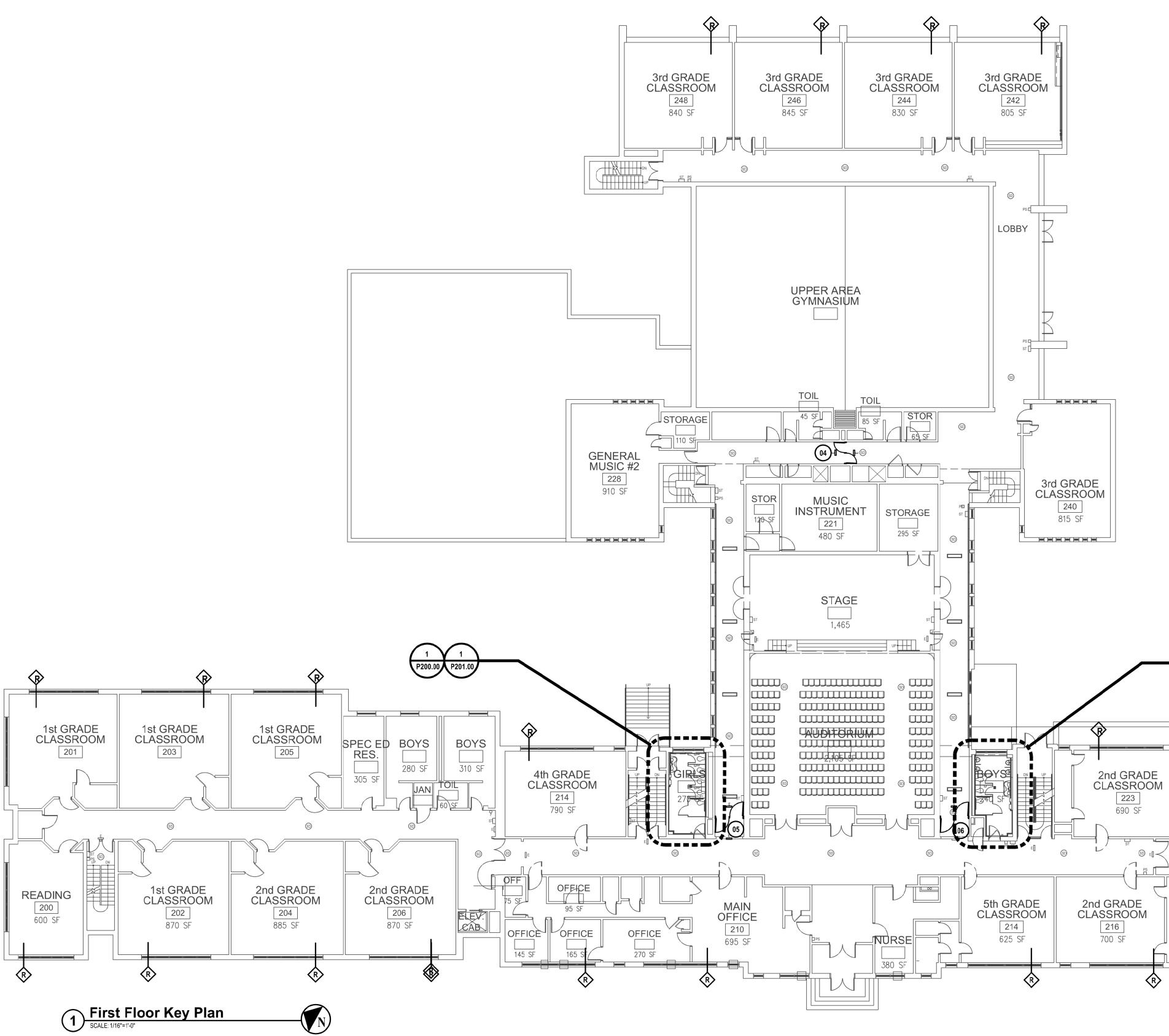
1 Floor Drain Detail



- ADJUSTABLE STRAINER

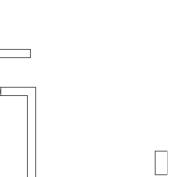
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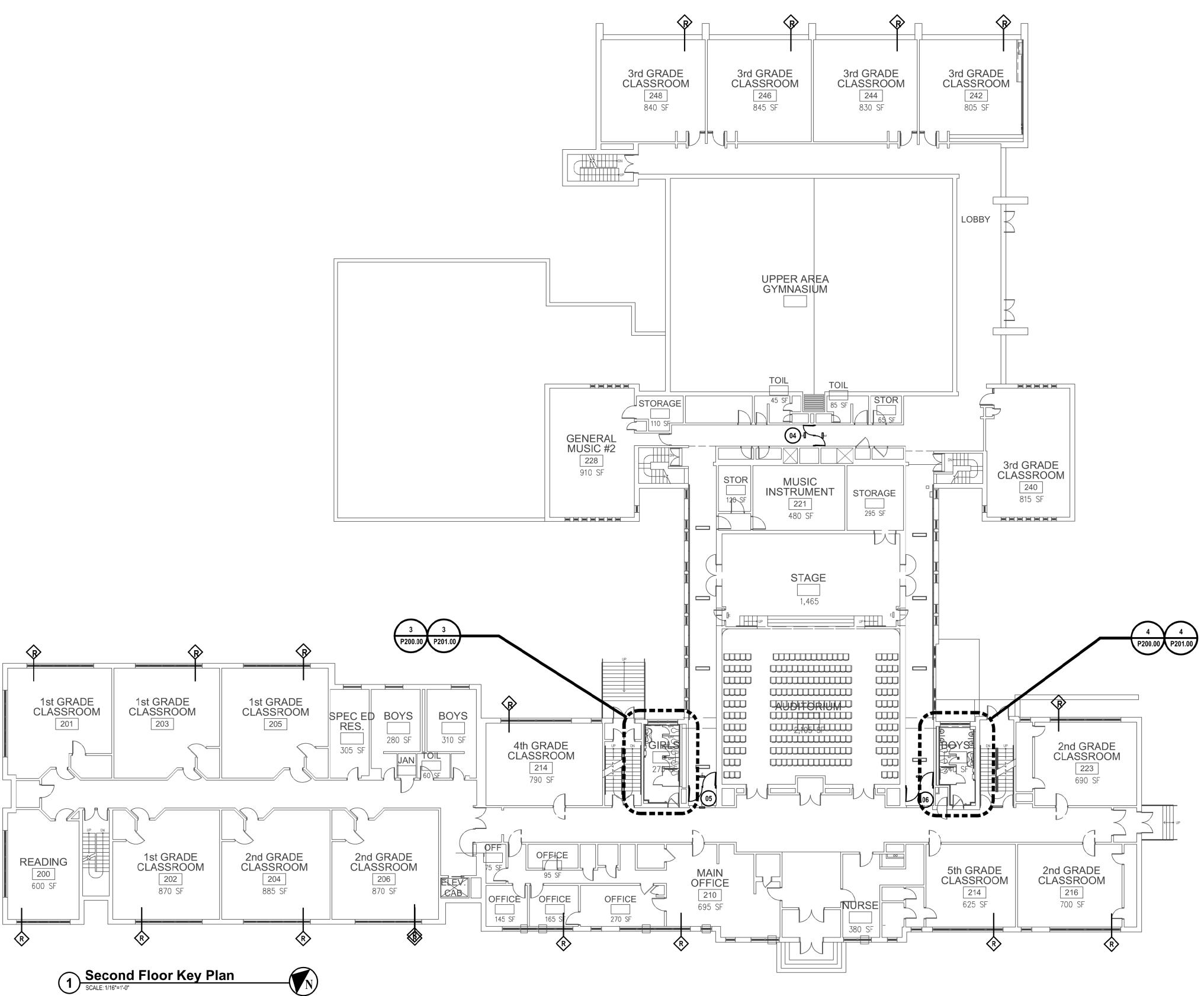


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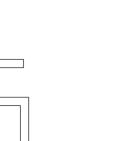


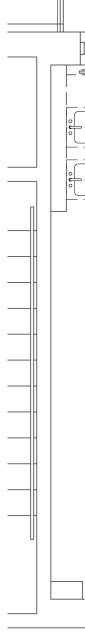
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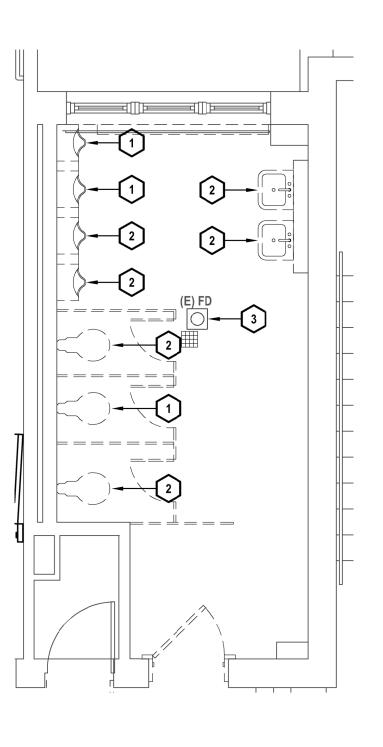




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# **PLUMBING DEMOLITION NOTES**

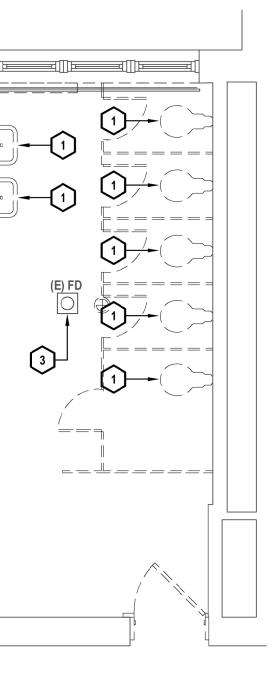
- 1. ALL DEMOLITION WORK SHALL BE IN COMPLIANCE WITH ALL FEDERAL AND NEW YORK STATE APPLICABLE BUILDING AND LIFE AND SAFETY REGULATIONS.
- 2. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL CONSTRUCTION DEBRIS AND UNWANTED MATERIAL OFF SITE IN ACCORDANCE WITH CONTRACT SPECIFICATIONS.
- THE CONTRACTOR SHALL TAKE CARE NOT TO DAMAGE ADJOINING SURFACES OUTSIDE THE CONTRACT AREA OR SCOPE OF WORK. THE CONTRACTOR SHALL BE RESPONSIBLE TO RESTORE TO EXISTING CONDITIONS SURFACE DAMAGED DURING CONSTRUCTION INCLUDING PATCHING AND PAINTING AS REQUIRED AND DEEMED NECESSARY BY THE ARCHITECT.
- CONTRACTORS SITE ACCESS SHALL BE AS CALLED OUT ON SHEET A0.0. THE CONTRACTOR SHALL ADEQUATELY PROTECT THE WALLS, FLOOR, AND FINISHES WITHIN STAIRWELLS AND SERVICE ELEVATOR FROM DAMAGE DURING THE PROJECT DURATION. THE CONTRACTOR SHALL BE RESPONSIBLE TO PATCH AND RESTORE ALL SURFACES THAT ARE DAMAGED TO THE SATISFACTION OF THE ARCHITECT.
- 5. THE CONTRACTOR SHALL TAKE CARE AS TO ADEQUATELY PROTECT ALL ADJOINING CLASSROOMS, CLOSETS, CORRIDORS, CRITICAL BARRIERS (DUCTS, VENTS, ETC.), AND OTHER SPACES FROM DUST AND DEBRIS DURING THE DEMOLITION AND INSTALLATION OF THE FLOORING, CEILINGS, LOCKERS, AND PAINTING. THE CONTRACTOR SHALL BE RESPONSIBLE TO WIPE DOWN AND CLEAN ALL AFFECTED ROOMS UPON COMPLETION OF THE PROJECT.
- 6. ALL EQUIPMENT SHALL BE EXISTING TO REMAIN UNLESS OTHER WISE NOTED AND THUS BE PROTECTED THROUGH THE PROJECT DURATION. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT OF ANY DEFECTIVE OR NON-WORKING EQUIPMENT PRIOR TO WORK STARTING AND FOLLOWING INSTALLATION OF NEW FINISHES, SHALL VERIFY THAT ALL OF THE ITEMS ARE IN PROPER WORKING ORDER UPON COMPLETION.

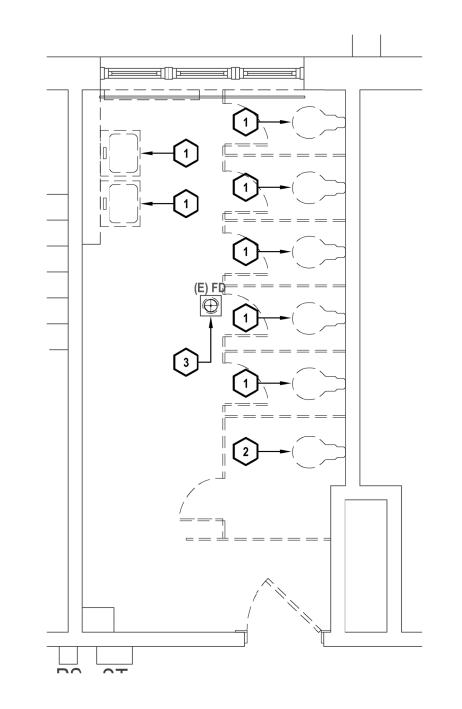
# **KEYED DEMOLITION NOTES**

- COMPLETELY REMOVE AND DISPOSE OF ALL PLUMBING FIXTURES INCLUDING WATER CLOSETS, LAVATORIES, URINALS, FAUCETS, FLOOR DRAINS, CLEAN OUT DECK PLATES, STOP VALVES AND ALL DEVICES USED TO SECURE THESE FIXTURES IN PLACE. WORK SHALL INCLUDE THE REMOVAL OF EXISTING SUPPORT CARRIERS AND TO CUT AND CAP ALL PLUMBING PIPING. THE CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE ADEQUATE ACCESS INTO WALLS, CHASES, AND SOFFITS TO ENSURE REMOVAL. UPON INSTALLATION OF NEW FIXTURES, CARRIERS, AND PIPING, THE CONTRACTOR SHALL PATCH ALL ACCESS AREAS AND PREPARE SURFACES FOR NEW FINISHES.
- 1.1 REMOVE AND DISPOSE OF ALL WALL/FLOOR CARRIERS, AND BRANCH PIPING AS NEEDED TO ACCOMMODATE NEW FIXTURE LAYOUTS. SEE SHEET A1.0. FOR NEW FIXTURE LAYOUT.
- 1.2. PRIOR TO THE REMOVALS OF FIXTURES, THE CONTRACTOR SHALL MAKE ALL NECESSARY DISCONNECTS. WORK SHALL INCLUDE SANITARY, HW, CW, HWR AND VENT PIPING. THE CONTRACTORS SHALL SHUT WATER OFF TO THE FIXTURES AND REPLACE ANY DAMAGED VALVES.
- 1.3. REMOVE AND DISPOSE OF ALL PIPING DEEMED OBSOLETE, INCLUDING WATER DISTRIBUTION, SANITARY, VENT, HANGERS, SUPPORTS, STRAPS, FITTINGS, VALVES AND ALL DEVICES USED TO SECURE THEIR PIPING/FITTINGS IN PLACE.
- 1.4. SEAL ALL PIPING PENETRATIONS AND INSTALL FIRE-STOPPING IN ALL RATED WALLS, FLOORS, SOFFITS ETC. OPENING LARGER THAN 1.5x THE DIAMETER OF THE PIPING PASSING THROUGH SHALL BE SEALED WITH NON-SHRINK EPOXY GROUT.
- 1.5. FLUSH AND SNAKE ALL SANITARY/WASTE LINES INCLUDING FLOOR DRAINS AND CLEANOUTS BACK TO THEIR ASSOCIATED RISERS PRIOR TO THE START OF THE WORK.
- 2. ALL WORK ASSOCIATED WITH KEY NOTE 1 EXCEPT THE PREPARATION OF INSTALLING NEW FIXTURES. CUT AND CAP ALL PIPING AT FLOOR, WALL, AND/OR CEILING LEVEL.

EXISTING FLOOR DRAIN TO REMAIN. 3.



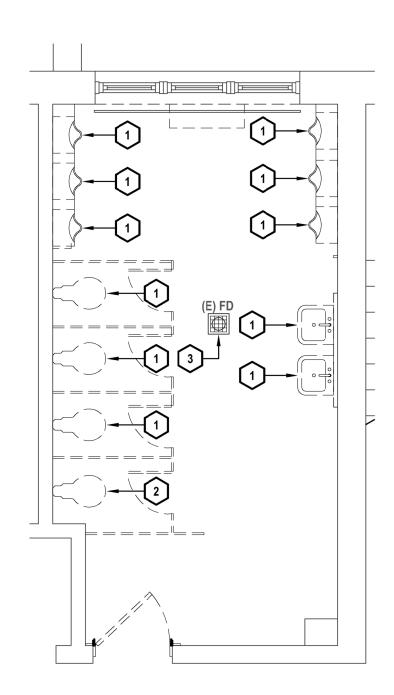




**First Floor Girl's Bathroom Demolition Plan** 

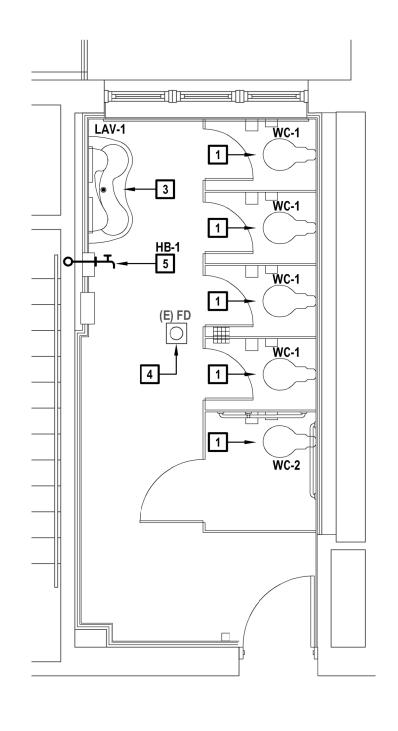








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# KEYED PLUMBING NOTES

PLUMBING NOTES

WHERE INSULATION IS DAMAGED.

SANITARY PIPING TO BE SLOPED A MINIMUM OF 1/4"/FT.

WATER AND HOT WATER BRANCH PIPING ENTERING TOILETS.

APPROVED EQUAL AS REQUIRED IN EACH BATHROOM.

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.

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

ALL 3" & 4" SANITARY PIPING TO BE SLOPED A MINIMUM OF 1/8"/FT. ALL 1-1/2" & 2"

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

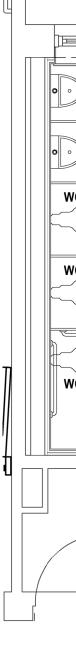
FURNISH AND INSTALL NEW CLEANOUT DECK PLATE, ZURN MODEL Z1400 OR

CONTRACTOR IS RESPONSIBLE TO INSTALL ALL NEW DOMESTIC AND SANITARY PIPING IN BATHROOM AND CONNECT TO EXISTING PIPING IN CORRIDORS/CHASE.

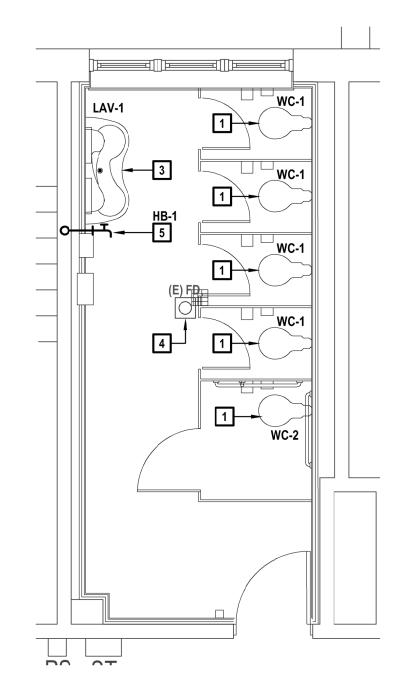
VERIFY THE EXACT LOCATION OF THE EXISTING PIPING AND COORDINATE THE

EXACT CONNECTION POINTS TO THE EXISTING PIPING IN THE FIELD.

- 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.

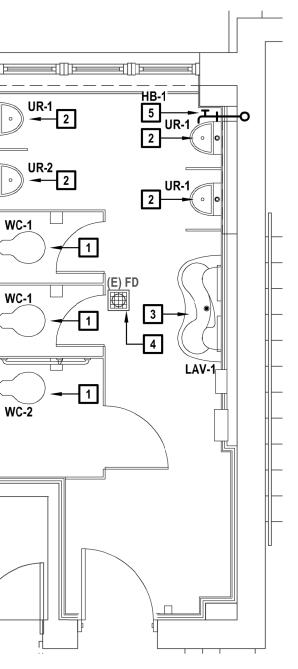




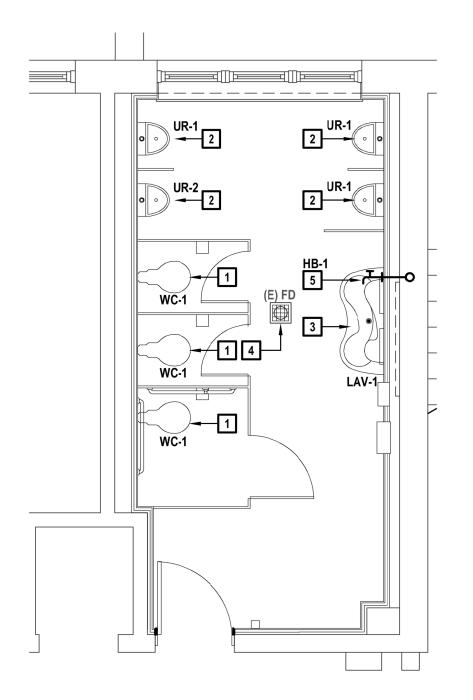


1 First Floor Girl's Bathroom Construction Plan





2 First Floor Boy's Bathroom Construction Plan





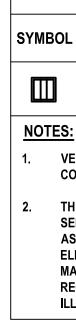
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CONSULTANTS:				
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### **ELECTRICAL GENERAL NOTES:**

- 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.
- 10. ALL MATERIAL SHALL BE UNDERWRITERS' LABORATORIES LISTED FOR ITS APPLICATION WHERE SUCH LISTING IS APPLICABLE.
- 11. ALL EQUIPMENT SHALL BE AS INDICATED OR AS APPROVED BY THE ENGINEER.
- 12. SUBMIT SHOP DRAWINGS, PRODUCT DATA SHEETS AND WIRING DIAGRAMS FOR ALL ELECTRICAL CONSTRUCTION MATERIALS, DEVICES, EQUIPMENT, APPLIANCES AND SYSTEMS.
- 13. SUBMIT IN QUANTITY TO ALLOW DISTRIBUTION TO ARCHITECT (1), OWNER (2), ENGINEER (1), PRIME CONTRACTORS (1 EACH), AND CONTRACTOR'S OWN USE AS REQUIRED.
- 14. 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.
- 15. 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.
- 16. 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.
- 17. OBTAIN ALL PERMITS REQUIRED, HAVE THE WORK INSPECTED FOR CODE COMPLIANCE AND PAY ALL FEES FOR INSPECTION AND CERTIFICATION.
- 18. MAKE THE NECESSARY ARRANGEMENTS, AND PAY ALL COSTS, FOR TEMPORARY AND/OR PERMANENT ELECTRIC SERVICE FOR THE PROJECT.
- 19. PROVIDE ADEQUATE TEMPORARY ELECTRICAL LIGHT AND POWER FOR THE PROJECT WORK OF ALL TRADES.
- 20. EXACT LOCATION OF EQUIPMENT SHALL BE COORDINATED IN THE FIELD.
- 21. REFER TO APPROVED REFLECTED CEILING PLANS FOR EXACT LIGHTING LAYOUTS.
- 22. REFER TO DRAWINGS AND SPECIFICATIONS OF OTHER TRADES FOR EQUIPMENT LOCATIONS AND CONTROLS.
- 23. GROUNDING AND BONDING SHALL MEET NEC AND EQUIPMENT / SYSTEM MANUFACTURER'S REQUIREMENTS.
- 24. 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. "SPECSEAL" SERIES LCI FOR SLEEVED PENETRATIONS (U. L. SYSTEM #C-AJ-1028; F = 3, T = 0) AND "SPECSEAL" 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.
- 29. 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.
- 0. EXPOSED RACEWAY, IF PERMITTED, SHALL BE RUN TRUE, PLUMB AND PARALLEL OR PERPENDICULAR TO BUILDING LINES. EMT WITH RAINTIGHT 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.
- 32. FEEDERS AND BRANCH CIRCUITS UNDERGROUND IN RACEWAY: TYPE THHN-THWN 90 DEGREE C
- 33. INTERIOR FEEDERS AND BRANCH CIRCUITS IN RACEWAY: TYPE THHN 90 DEGREE C.
- 34. UNDERGROUND DIRECT BURIAL BRANCH CIRCUITS BEYOND BUILDING: TYPE UF, 75 DEGREE C.
- 35. 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, FISHED ABOVE EXISTING HUNG CEILINGS, FIXTURE CONNECTIONS AND ELSEWHERE AS PERMITTED BY THE NEC AND THE ENGINEER.

- 38. 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 FPLR OR FPLP FOR LOW VOLTAGE CIRCUITS IN NON AIR-HANDLING SPACES; AND #14 AWG FPLP FOR LOW VOLTAGE CIRCUITS IN AIR-HANDLING APPLICATIONS.
- 39. 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.
- 40. 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.
- 41. 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.
- MODELS 410, 411 AND 412 CRIMP CONNECTORS, OR APPROVED EQUAL, WITH MODELS 415 OR 417 INSULATED CAPS.
- 43. BRANCH CIRCUIT AND FEEDER TAPS SHALL BE FULL CIRCUIT SIZE UP TO THEIR OVERCURRENT PROTECTION DEVICE.
- 44. 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.
- FORK CRIMP TERMINALS WITH NYLON INSULATED GRIPS.
- 46. WIRE EXIT SIGNS AND EMERGENCY LIGHTING FIXTURES (UNIT EQUIPMENT) TO LOCAL AREA LIGHTING CIRCUIT SERVING THE RESPECTIVE AREA AHEAD OF SWITCH / DIMMER CONTROL.
- 47. 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.
- 48. 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
- 49. 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.
- 50. INSTALL MOTOR STARTERS, CONTROLLERS OR COMBINATION STARTERS FURNISHED FOR EACH MOTOR OR EQUIPMENT BY OTHERS. LOCATE AS DIRECTED IN THE FIELD.
- 51. 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.
- 52. ROUTE RACEWAYS THROUGH ROOF USING DEDICATED ROOF JACKS OR PITCH POCKETS. RUN RACEWAY ON ROOF ON DEDICATED ROOF SUPPORTS EIGHT INCHES HIGH MINIMUM.
- 53. 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.
- 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.
- 55. 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 CEILINGS USED AS A PLENUM FOR THE RETURN OF ENVIRONMENTAL AIR.
- 56. DEMONSTRATE PRODUCT CAPABILITY AND COMPLIANCE WITH REQUIREMENTS OF ALL ELECTRICAL DEVICES, EQUIPMENT AND SYSTEMS.
- 57. PERFORM MANUFACTURER'S RECOMMENDED TESTS AND SUBMIT RESULTS.
- 58. VERIFY PROPER ROTATION OF ALL ROTATING ELECTRICAL MACHINERY.
- 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.
- ALL ELECTRICAL DEVICES, EQUIPMENT, APPLIANCES AND SYSTEMS.
- PROGRAM, VERSION, AND OPERATING SYSTEM AS CONTRACT DOCUMENTS, THAT HAVE BEEN REVISED AND ANNOTATED TO REFLECT THE AS-BUILT CONDITIONS OF THE PROJECT.
- 62. DELIVER CERTIFICATES OF ELECTRICAL AND OTHER INSPECTIONS, OR COPIES THEREOF, TO THE OWNER AT THE COMPLETION OF THE PROJECT WITH COPIES TO THE ENGINEER.
- 63. 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.
- 64. 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.



42. TAPS AND SPLICES FOR BRANCH CIRCUITS AND FEEDERS #10 AWG AND SMALLER SHALL BE MADE WITH IDEAL

45. STRANDED WIRING CONDUCTORS SHALL BE MADE UP TO SCREW TERMINALS WITH 3M, T&B OR PANDUIT LOCKING

54. ALL 125 VOLT. SINGLE PHASE, 15- AND 20-AMPERE SINGLE AND DUPLEX RECEPTACLES WHICH DO NOT SERVE A

59. TEST SWITCHBOARDS, PANELBOARDS, TRANSFORMERS, CABLES, BUS DUCTS, SWITCHES, CIRCUIT BREAKERS,

60. PROVIDE TWO SETS OF OPERATION AND MAINTENANCE MANUALS, BOUND AND INDEXED, WITH INSTRUCTIONS FOR

61. PROVIDE ONE SET OF REPRODUCIBLE CONTRACT DRAWINGS, OR DIGITAL DATA FILES USING SAME SOFTWARE

	SINGLE LINE DIAGRAM	I LEGEND			LIST OF	DRAWINGS		architects
SYMBOL T 100AF	DESCRIPTION LINE VOLTAGE THERMOSTAT, 120V, 10A.		COMMENTS	E 001.00 ED 101.00 ED 102.00 E 101.00	ED 101.00DEMOLITION PLAN PART. FIRST FLOORED 102.00DEMOLITION PLAN PART. SECOND FLOOR		+ engineers	
•)	CIRCUIT BREAKER WITH TRIP AND POLES AS NOTED; 100 AMP FR/	AME, 100 AMP TRIP.		E 102.00 E 500.00	ELECTRICAL PLANS PA	RT. SECOND FLOOR		
ATS1	TRANSFER SWITCH 'TS1'; SEE TRANSFER SWITCH SCHEDULE.							2700 Westchester Ave., Suite 415 Purchase, NY 10577 914.358.5623 - www.h2m.com
M.C.B 30A/2P PANEL "P1"	DISTRIBUTION PANEL P1 WITH 30A, 2 POLE M.C.B.; SEE DISTRIBUT	TION PANEL SCHEDULE.						CONSULTANTS:
100AS	UNFUSED DISCONNECT SWITCH DS1, 100 AMP; SEE DISCONNECT	SWITCH SCHEDULE.			ل	UTILITY POWER/TELEPHONE PO	DLE	
DS1 100AS 100AF	FUSED DISCONNECT SWITCH 'DSI', FUSED AT 100 AMP SIZE, 100 A DISCONNECT SWITCH SCHEDULE.	MP FUSED, 3 POLES; SEE			G s	EXISTING NATURAL GAS SERVI EXISTING SEWER SERVICE EXISTING WATER SERVICE	CE	
G	GENERATOR SET 'G'				T	EXISTING TELEPHONE SERVICE		MARK DATE DESCRIPTION
M	ELECTRIC METER AND METER PAN AS PER PSEG REQUIREMENTS.				E	NEW TELEPHONE SERVICE EXISTING ELECTRICAL LINES		
(5HP)	MOTOR, NUMBER INDICATES HORSEPOWER.				—— E ————	NEW ELECTRICAL LINES		
Стѕ	CURRENT TRANSFORMERS.				PE	EXISTING PRIMARY ELECTRIC S		
	VOLTAGE TRANSFORMERS.				OH/E	EXISTING OVERHEAD ELECTRIC		
UPS	UNINTERRUPTIBLE POWER SUPPLY					EXISTING FENCE		
	TRANSFORMER 'T2' WITH SIZE, PRIMARY AND SECONDARY VOLTA	AGES AS NOTED.				ELECTRIC PULL BOX		- 11-03-21 FINAL BID SET
277/480	······································				 	TRANSFORMER		
	CONTROL CIRCUIT; MIN 2 #12 AWG IN ⅔" E.C.							ATE OF NEW YOR
					SYMBO	LS LEGEND		* Stin A SE
	ELECTRICAL LEGE	ENDS			100	ROOM DESIGNATION		
SYMBOL S	DESCRIPTIC SINGLE POLE TOGGLE SWITCH: 120V, 20A	DN	COMMENTS 46" AFF TO CL UON		5 A2.2	BUILDING SECTION CUT		POFESSIONAL ET
S <sub>3</sub>	THREE - WAY SWITCH: 120V, 20A		46" AFF TO CL UON		5 A22	WALL SECTION CUT		
S <sub>D</sub> S <sub>K</sub>	SINGLE POLE DIMMER SWITCH SINGLE POLE KEY SWITCH: 120V, 20A		46" AFF TO CL UON 46" AFF TO CL UON		5 A2.2	DETAIL KEY		"ALTERATION OF THIS DOCUMENT EXCEPT BY A LICENSED PROFESSIONAL IS ILLEGAL" DESIGNED BY: DRAWN BY: CHECKED BY: REVIEWED BY: SRF SRF
	LIGHTING CONTROLS TOUCHPAD		46" AFF TO CL UON		5 A2.2	ELEVATION KEY		PROJECT No.: DATE: SCALE: WPSD 2007 NOVEMBER 2021 AS SHOWN
<u>()</u>	OCCUPANCY SENSOR - DUAL TECHNOLOGY - CEILING MOUNTED			_	(H)	COLUMN GRID		
	2 #12 AWG + #12 AWG GND IN 3/4" E.C. CONCEALED IN WALL OR CE 3 #12 AWG + #12 AWG GND IN 3/4" E.C. CONCEALED IN OR BELOW S					ELEVATION LINE		White Plains City
PP	LIGHTING CONTROL RELAY POWER PACK				tle	DRAWING TITLE		School District
÷	DUPLEX RECEPTACLE: 120V, 20A.		FLUSH	SCA	LE: 4			
<del>¢</del>	DUPLEX RECEPTACLE: 120V, 20A. MOUNTED 6" ABOVE COUNTER		FLUSH		$3 \overbrace{A2.2}{5} 1$	INTERIOR ELEVATION REFEREN	ICE	
	QUAD RECEPTACLE: 120V, 20A.		FLUSH		#_	SEE NOTE #	ON DWG	Toilet Room Renovations at
F SD	FIRE ALARM MANUAL PULL STATION		46" AFF		#	#		the George Washington
H	FIRE ALARM HEAT DETECTOR							Elementary School
HAC	FIRE ALARM HEAT DETECTOR - MOUNTED ABOVE CEILING				ABBRI	EVIATIONS		Public S
ĒA	FIRE ALARM HORN / STROBE		80" - 96" AFF	ABBREVIATION		ESCRIPTION	COMMENTS	Thains I conceres
ΗÊ	FIRE ALARM STROBE		80" - 96" AFF	AFF	ABOVE FINISHED FLOOR ABOVE FINISHED CEILING			
<b>●</b> =	GFCI RECEPTACLE: 120V, 20A. HAND DRYER			AFCI		RRUPTER		
	ELECTRICAL PANEL , RECESSED; SEE PANEL SCHEDULE.			AFG AHJ	ABOVE FINISHED GRADE	DICTION		REAL LIFE LEARNING
·	ELECTRICAL PANEL, SURFACE MOUNT; SEE PANEL SCHEDULE.			AMP, A ATS		NITCH; SEE TRANSFER SWITCH		Reco
				AIS	SCHEDULE AMERICAN WIRE GAUGE			
	CONDUIT GOING DOWN.			BFC	BELOW FINISHED CEILING			100 Orchard Street
	LIGHT FIXTURE WITH EMERGENCY BATTERY PACK			CL CT	CENTERLINE COUNTER TOP			White Plains NY, 10604
H	"HALO" SMART SENSOR DETECTOR			EC GFCI	ELECTRICAL CONDUIT GROUND FAULT CIRCUIT I	NTERRUPTER		66-22-00-01-0-009-016
SR	SECONDARY SERVER RACK			GFI	GROUND FAULT INDICATO			00-22-00-01-0-009-010
	XTURE SCHEDULE			GND PSEG	GROUND PUBLIC SERVICE ELECTRI ELECTRIC UTILITY)	C AND GAS COMPANY (LOCAL		CONTRACT G
				МСВ	MAIN CIRCUIT BREAKER			GENERAL CONSTRUCTION
र	DESCRIPTION	MOUNTING LAMPS	VOLTAGE WATTAGE	MLO NTS	MAIN LUGS ONLY NOT TO SCALE			STATUS
	AMBIENT LED TROFFER, CURVED LENS, 3380 LM, 80 CRI EMERGENCY 1400 LUMEN EMERGENCY BATTERY PACK	RECESSED LED	120 29	ТҮР	TYPICAL			FINAL BID DOCUMENT
I		EMERGENCY TYPE LE	GEND:	UON UC	UNLESS OTHERWISE NOTI UNDER COUNTER	ש <u></u>		SHEET TITLE
ING LIGHTING FIXTURES. COORDINATE COMPATIBILITY OF FIXTURES WITH BUILDING ILITY, ETC. ATED IN THE ABOVE LIGHTING FIXTURE SCHEDULE REPRESENT THE BASIS OF DESIGN ITION OF THE I.E.S. LIGHTING HANDBOOK ILLUMINATION LEVEL REQUIREMENTS AND			V VAC	VOLT VOLTS ALTERNATING CUP	RENT		GENERAL NOTES AND	
		O PROVIDE A MINIMUM OF	VDC	VOLTS DIRECT CURRENT			LEGENDS	
IS. THE REQUIREMENT	S OF SECTION 260500.10 "SPECIAL REQUIREMENTS FOR THE CONTRACTOR ELECT TO SUBSTITUTE AN ALTERNATE			X-FMR WP	TRANSFORMER WEATHERPROOF			
FIXTURE CAN PROVID	RE IS CRITICAL AND PROVIDING PHOTOMETRIC DATA IS AMONG DE THE REQUIRED NORMAL AND EMERGENCY LIGHTING			L				DRAWING NO. <b>E 001.00</b>
JF THE LIGHT FIXTURE	ES INDICATED ON THE CONTRACT LIGHTING PLAN DRAWINGS.							

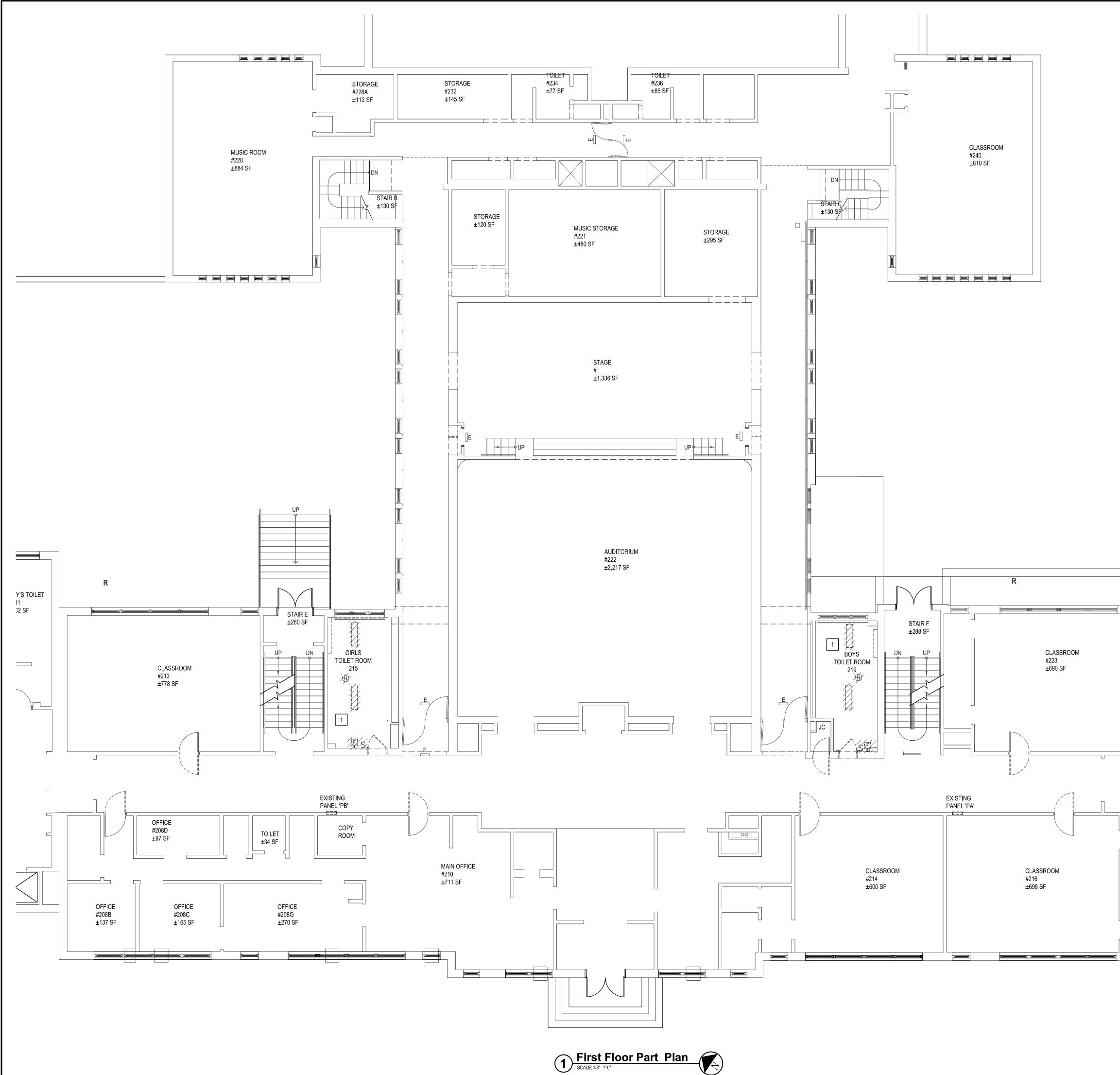
	SINGLE LINE DIAGRAM	<b>I LEGEND</b>		LIST OF I	DRAWINGS	architects
SYMBOL T <u>100AF</u>	DESCRIPTION LINE VOLTAGE THERMOSTAT, 120V, 10A. CIRCUIT BREAKER WITH TRIP AND POLES AS NOTED; 100 AMP FF	RAME, 100 AMP TRIP.	COMMENTS	E 001.00GENERAL NOTES AND LEGENDSED 101.00DEMOLITION PLAN PART. FIRST FLOORED 102.00DEMOLITION PLAN PART. SECOND FLOORE 101.00ELECTRICAL PLANS PART. FIRST FLOORE 102.00ELECTRICAL PLANS PART. SECOND FLOOR		+ engineers
	TRANSFER SWITCH 'TS1'; SEE TRANSFER SWITCH SCHEDULE.			E 500.00 ELECTRICAL DETAILS		2700 Westchester Ave., Suite 415
ATS1				SITE PLA		Purchase, NY 10577 914.358.5623 - www.h2m.com
PANEL "P1" 100AS	DISTRIBUTION PANEL P1 WITH 30A, 2 POLE M.C.B.; SEE DISTRIBU				CURB	CONSULTANTS:
DS1 100AS 100AF	UNFUSED DISCONNECT SWITCH DS1, 100 AMP; SEE DISCONNECT FUSED DISCONNECT SWITCH 'DSI', FUSED AT 100 AMP SIZE, 100 A DISCONNECT SWITCH SCHEDULE.			G 	UTILITY POWER/TELEPHONE POLE EXISTING NATURAL GAS SERVICE EXISTING SEWER SERVICE EXISTING WATER SERVICE	
G	GENERATOR SET 'G'			T T	EXISTING TELEPHONE SERVICE	MARK DATE DESCRIPTION
(5HP)	ELECTRIC METER AND METER PAN AS PER PSEG REQUIREMENTS MOTOR, NUMBER INDICATES HORSEPOWER.	S		EE	EXISTING ELECTRICAL LINES	
	CURRENT TRANSFORMERS. VOLTAGE TRANSFORMERS.			PE	EXISTING PRIMARY ELECTRIC SERVICE         NEW PRIMARY ELECTRIC SERVICE	
	UNINTERRUPTIBLE POWER SUPPLY			OH/E	EXISTING OVERHEAD ELECTRIC LINES EXISTING FENCE	
120/208V T2 277/480	TRANSFORMER 'T2' WITH SIZE, PRIMARY AND SECONDARY VOLT	AGES AS NOTED.			ELECTRIC PULL BOX HANDHOLE TRANSFORMED	- 11-03-21 FINAL BID SET
	CONTROL CIRCUIT; MIN 2 #12 AWG IN ⅔" E.C.				TRANSFORMER	STE OF NEW YOU
<b></b>				SYMBOL	S LEGEND	
SYMBOL	ELECTRICAL LEG		COMMENTS	100	ROOM DESIGNATION BUILDING SECTION CUT	A REAL OF THE REAL
S S <sub>3</sub>	SINGLE POLE TOGGLE SWITCH: 120V, 20A THREE - WAY SWITCH: 120V, 20A		46" AFF TO CL UON 46" AFF TO CL UON	5 A22 5 A22	WALL SECTION CUT	POFESSIONAL
S	SINGLE POLE DIMMER SWITCH		46" AFF TO CL UON	5 A2.2	DETAIL KEY	"ALTERATION OF THIS DOCUMENT EXCEPT BY A LICENSED PROFESSIONAL IS ILLEGAL" DESIGNED BY: DRAWN BY: CHECKED BY: REVIEWED BY:
S <sub>K</sub> TP	SINGLE POLE KEY SWITCH: 120V, 20A LIGHTING CONTROLS TOUCHPAD		46" AFF TO CL UON 46" AFF TO CL UON	5 A22	ELEVATION KEY	SRF     SRF       PROJECT No.:     DATE:       WPSD 2007     NOVEMBER 2021
OS	OCCUPANCY SENSOR - DUAL TECHNOLOGY - CEILING MOUNTED			———( <b>H</b> )	COLUMN GRID	CLIENT
	2 #12 AWG + #12 AWG GND IN 3/4" E.C. CONCEALED IN WALL OR C					White Plains City
PP	3 #12 AWG + #12 AWG GND IN 3/4" E.C. CONCEALED IN OR BELOW	Title DRAWING TITLE			School District	
	DUPLEX RECEPTACLE: 120V, 20A.		FLUSH	SCALE:		
<del>¢</del>	DUPLEX RECEPTACLE: 120V, 20A. MOUNTED 6" ABOVE COUNTER		FLUSH	3 5 1 A2.2 1	INTERIOR ELEVATION REFERENCE	
	QUAD RECEPTACLE: 120V, 20A.		FLUSH	#	SEE NOTE # ON DWG	Toilet Room Renovations at
E SD	FIRE ALARM MANUAL PULL STATION		46" AFF	#	#	the George Washington
H	FIRE ALARM HEAT DETECTOR					Elementary School
HAC	FIRE ALARM HEAT DETECTOR - MOUNTED ABOVE CEILING			ABBRE	VIATIONS	Publics
Ē⊲	FIRE ALARM HORN / STROBE		80" - 96" AFF		SCRIPTION COMMENTS	plains choos
ΗŨ	FIRE ALARM STROBE		80" - 96" AFF	AFF     ABOVE FINISHED FLOOR       AFC     ABOVE FINISHED CEILING		
<b>●</b> =	GFCI RECEPTACLE: 120V, 20A. HAND DRYER			AFCI ARC FAULT CIRCUIT INTERR AFG ABOVE FINISHED GRADE	UPTER	
	ELECTRICAL PANEL , RECESSED; SEE PANEL SCHEDULE.			AHJ AUTHORITY HAVING JURISDI	ICTION	REAL LIFE LEARNING
•	ELECTRICAL PANEL, SURFACE MOUNT; SEE PANEL SCHEDULE.			AMP, A AMPERE ATS AUTOMATIC TRANSFER SWIT	TCH; SEE TRANSFER SWITCH	
<u>(</u>				ANG AMERICAN WIRE GAUGE		
	CONDUIT GOING DOWN. LIGHT FIXTURE			BFC BELOW FINISHED CEILING CL CENTERLINE		100 Orchard Street
	LIGHT FIXTURE WITH EMERGENCY BATTERY PACK			CT COUNTER TOP		White Plains NY, 10604
H	"HALO" SMART SENSOR DETECTOR			EC     ELECTRICAL CONDUIT       GFCI     GROUND FAULT CIRCUIT INTERRUPTER		66-22-00-01-0-009-016
SR	SECONDARY SERVER RACK			GFI GROUND FAULT INDICATOR		CONTRACT
	XTURE SCHEDULE			PSEG     PUBLIC SERVICE ELECTRIC A       MCB     MAIN CIRCUIT BREAKER	AND GAS COMPANY (LOCAL	CONTRACT G GENERAL CONSTRUCTION
R	DESCRIPTION AMBIENT LED TROFFER, CURVED LENS, 3380 LM, 80 CRI	MOUNTING LAMP	S VOLTAGE FIXTURE WATTAGE	MLO MAIN LUGS ONLY NTS NOT TO SCALE		
	AMBIENT LED TROFFER, CURVED LENS, 3380 LM, 80 CRI EMERGENCY 1400 LUMEN EMERGENCY BATTERY PACK	RECESSED LED	120 29	TYP     TYPICAL       UON     UNLESS OTHERWISE NOTED		FINAL BID DOCUMENT
EMERGENCY TYPE LEGEND:			UC UNDER COUNTER V VOLT			
LITY, ETC. TED IN THE ABOVE LIGHTING EXTURE SCHEDULE DEPRESENT THE BASIS OF DESIGN		F SHADDED SHALL INCLUDE OR REMOTE EMERGENCY K TO PROVIDE A MINIMUM OF EMERGENCY LIGHTING.	V     VOLT       VAC     VOLTS ALTERNATING CURREN       VDC     VOLTS DIRECT CURRENT       X-FMR     TRANSFORMER       WP     WEATHERPROOF	ENT	GENERAL NOTES AND LEGENDS	
T FIXTURE CAN PROVID	RE IS CRITICAL AND PROVIDING PHOTOMETRIC DATA IS AMONG DE THE REQUIRED NORMAL AND EMERGENCY LIGHTING ES INDICATED ON THE CONTRACT LIGHTING PLAN DRAWINGS.					<b>E 001.00</b>

# LIG

DL	TYPE	MANUFACTURER	CATALOG NUMBER	DESCRIPTION	MOUNTING	LAMPS	VOLTAGE	FIXTURE WATTAGE
	A	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
<u>:S:</u>			EMERGENC	Y TYPE LE	GEND:			

VERIFY CEILING TYPE AND OPERATING VOLTAGE BEFORE ORDERING CONSTRUCTION FOR AVAILABLE SPACE, CLEARANCE, ACCESSIBILITY

THE LIGHTING MANUFACTURERS AND CATALOG NUMBERS INDICATE SELECTIONS FOR THIS PROJECT AND COMPLY WITH THE 10TH EDITIO ASHRAE STANDARD 90.1 - 2013 ENERGY STANDARD REQUIREMENTS. ELECTRICAL WORK" OF THE CONTRACT SPECIFICATIONS MUST BE FO MANUFACTURER FOR ANY OF THE LIGHT FIXTURE TYPES. PERFORMA **REQUIREMENTS IN DETERMINING WHETHER THE SUBMITTED LIGHT FI** ILLUMINATION LEVELS BASED ON THE QUANTITY AND LOCATIONS OF



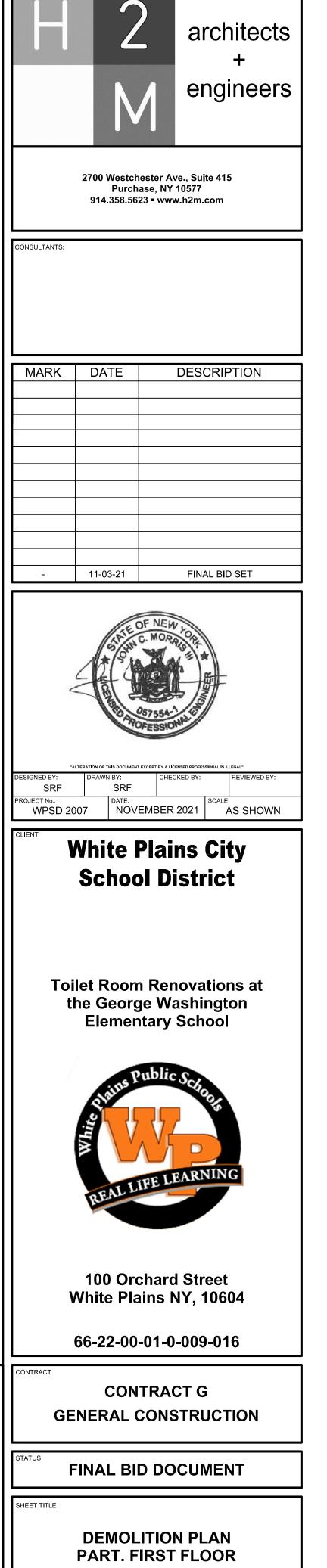
SD (White Plains Central School District) - 10991(WPSD 2007 - (George Washington Toilet Room Renovations)/02-BIM-CADD\Con-docs/elec/ED 101.00 Demolition Plan Part. First Floor.dwg Last Modified: Nov 02, 2021 - 10:56am Plotted on: Nov 02, 2021 - 11:07

# DEMOLITION GENERAL NOTES:

- G1. REMOVE AND DISPOSE OF INCLUDES REMOVAL OF ITEM IDENTIFIED INCLUDING ALL CONDUITS, WIRES, AND CABLES, BACK TO SOURCE UNLESS OTHERWISE NOTED.
- G2. CONTRACTOR SHALL BE REQUIRED TO MAINTAIN CIRCUIT CONTINUITY FOR ALL EXISTING DEVICES ON A CIRCUIT WHEN THE DRAWINGS CALL FOR REMOVAL AND/OR DISPOSAL OF A DEVICE ON THAT CIRCUIT.
- G3. ALL CONDUITS SPECIFIED TO BE REMOVED SHALL BE CUT FLUSH WITH THE SURFACE AND SURFACE SHALL BE PATCHED UNLESS OTHERWISE NOTED. SURFACE SHALL BE PRIMED AND PAINTED TO MATCH EXISTING.
- G4. EQUIPMENT AND DEVICES SHOWN DASHED ARE EXISTING TO REMAIN.G5. EQUIPMENT AND DEVICES SHOWN DASHED AND CROSSHATCHED ARE EXISTING TO
- BE REMOVED, UNLESS OTHERWISE NOTED.
  G6. ALL EXISTING, CONDUITS, SURFACE METAL RACEWAY, JUNCTION BOXES, ETC. AND WIRING THAT INTERFERES WITH THE BATHROOM RENOVATIONS SHALL BE REMOVED/RELOCATED OR RUN NEW ABOVE DROP CEILING AND SUPPORTED FROM STRUCTURE ABOVE.
- G7. REFER TO DRAWING E 001.00 FOR ELECTRICAL NOTES, SYMBOLS AND ABBREVIATIONS.

# DEMOLITION KEY NOTES:

1 REMOVE AND DISPOSE OF EXISTING WIRING DEVICES INCLUDING BUT NOT LIMITED TO LIGHT FIXTURES, SPEAKERS, FIRE ALARM DEVICES, SWITCHES, SENSORS, RECEPTACLES, AND FACEPLATES. EXISTING CIRCUIT(S) TO REMAIN AND BE RE-USED.

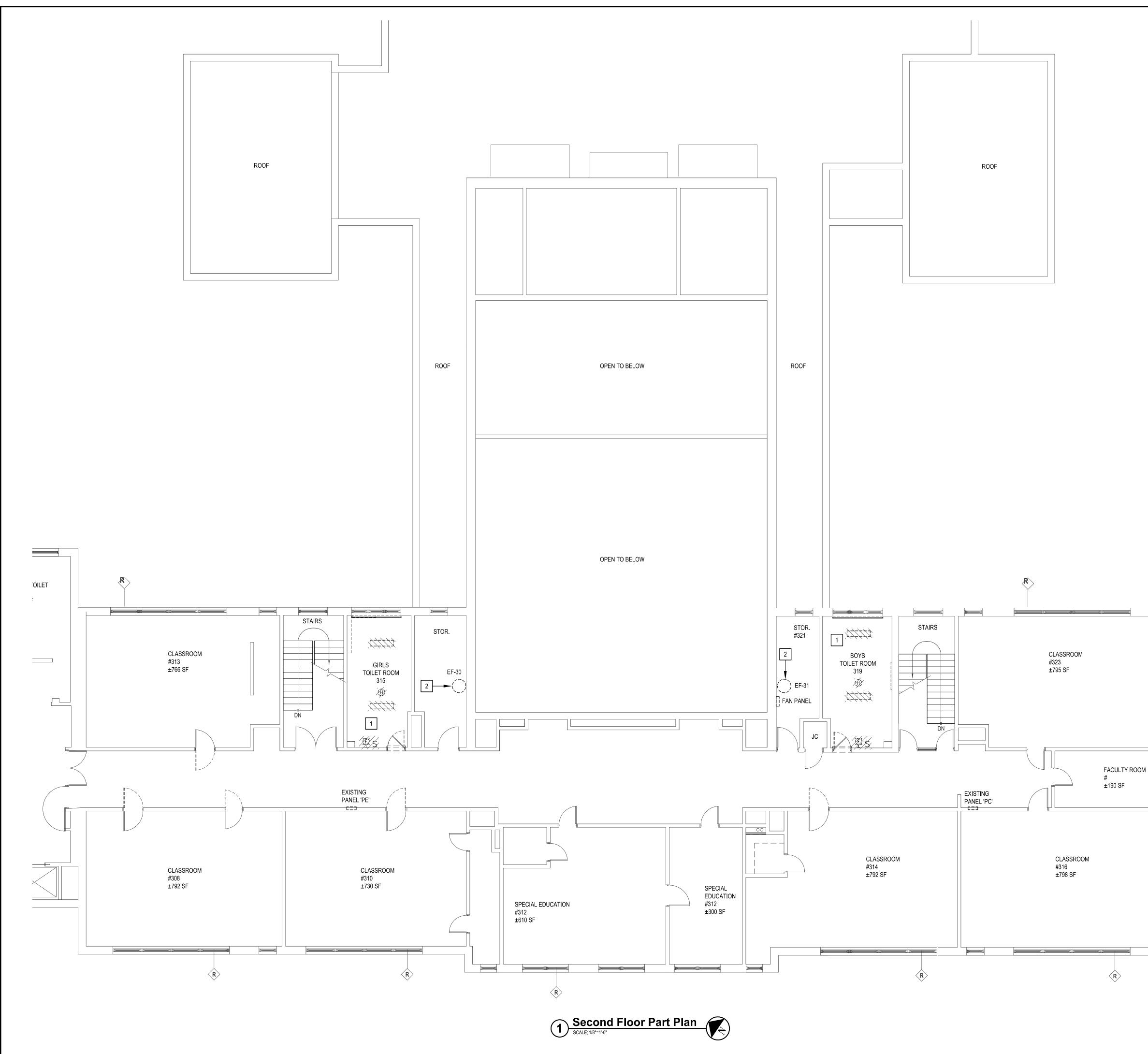


ED 101.00

	-TOILETS,- AREA OF WORK
2 Key Pla SCALE: NTS	in 💽

REMOVE & DISPOSE OF

LEGENDS



# DEMOLITION GENERAL NOTES

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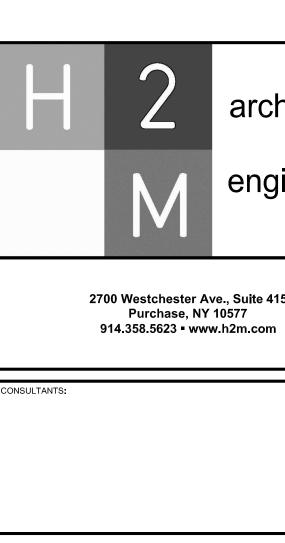
2 DISCONNECT EXISTING POWER FEED TO ROOF FAN.

LEGENDS

REMOVE & DISPOSE OF

L<sub>TOILETS,</sub>J AREA OF WORK

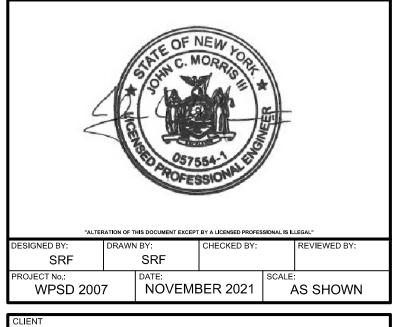
2 Key Plan



architects engineers

2700 Westchester Ave., Suite 415

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



# 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

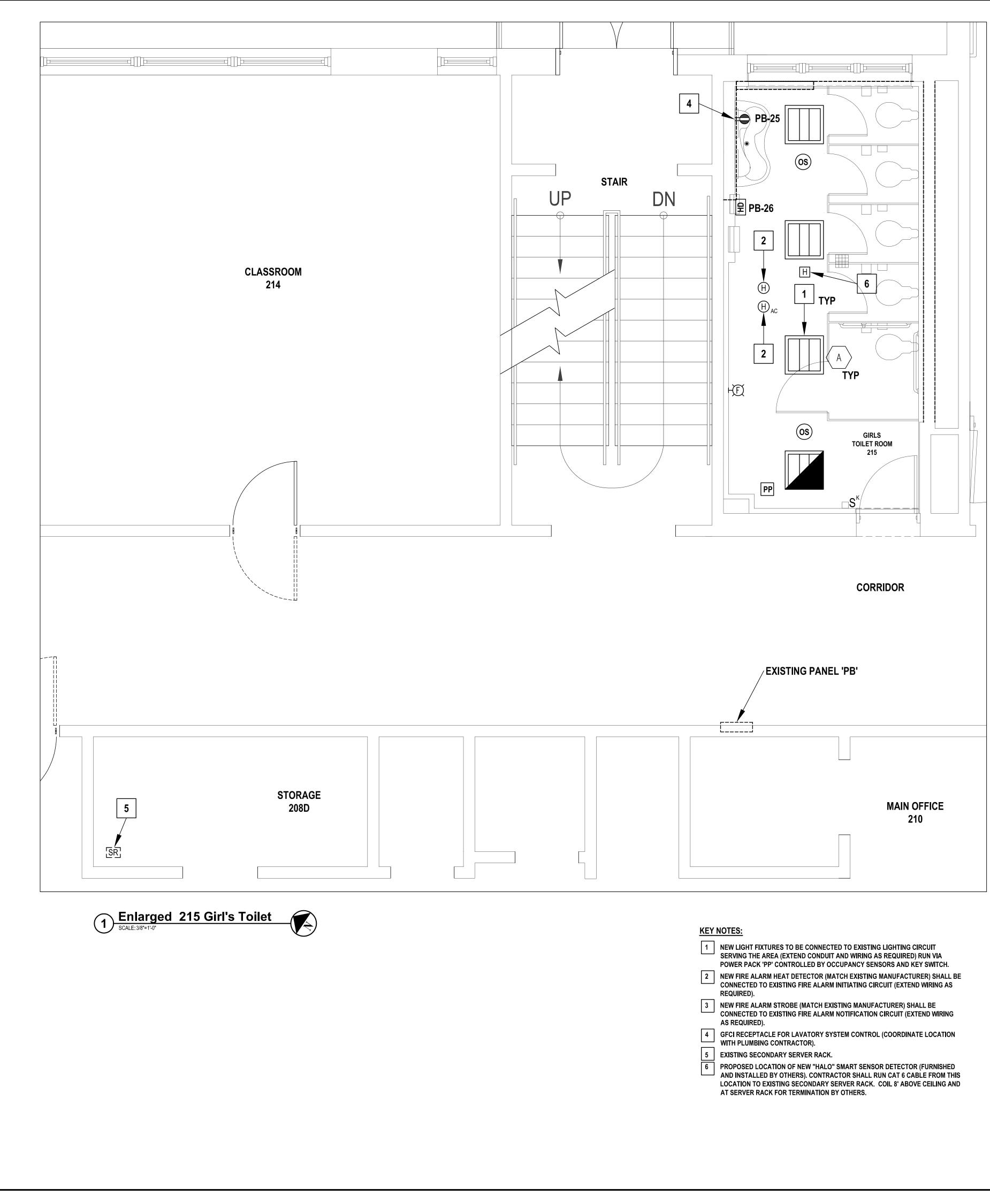
CONTRACT CONTRACT G **GENERAL CONSTRUCTION** 

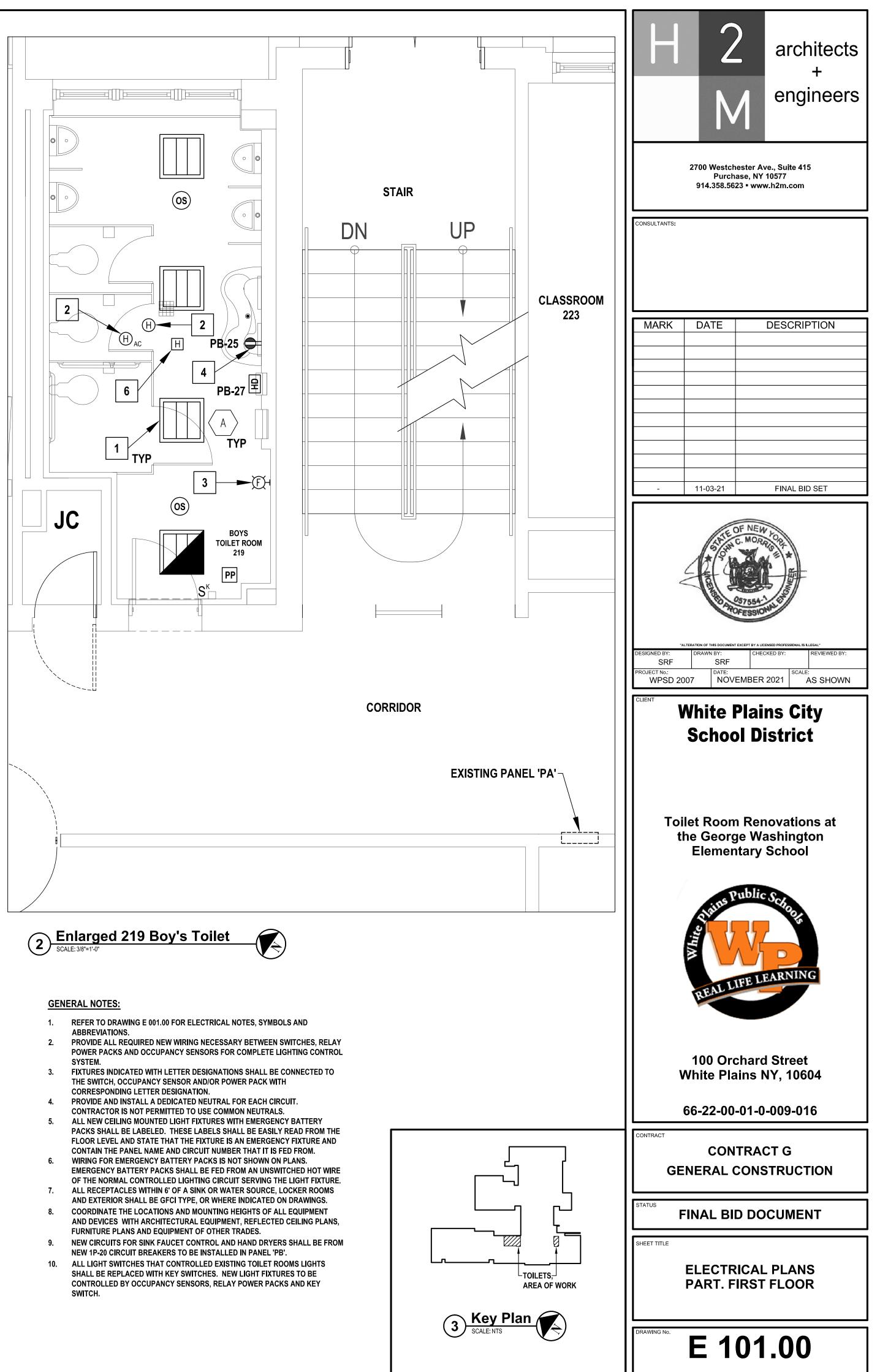
FINAL BID DOCUMENT

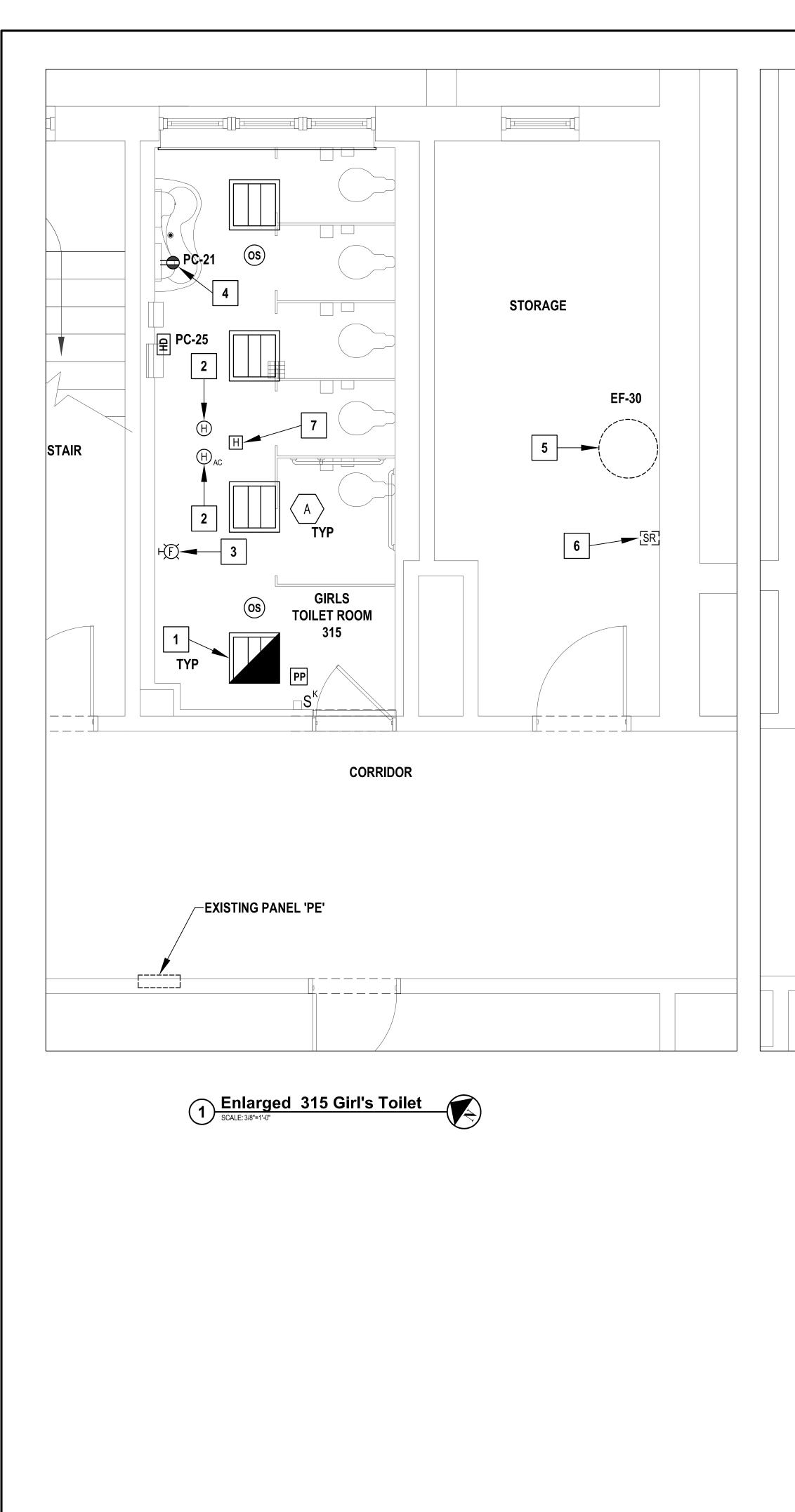
SHEET TITLE

DEMOLITION PLAN PART. SECOND FLOOR

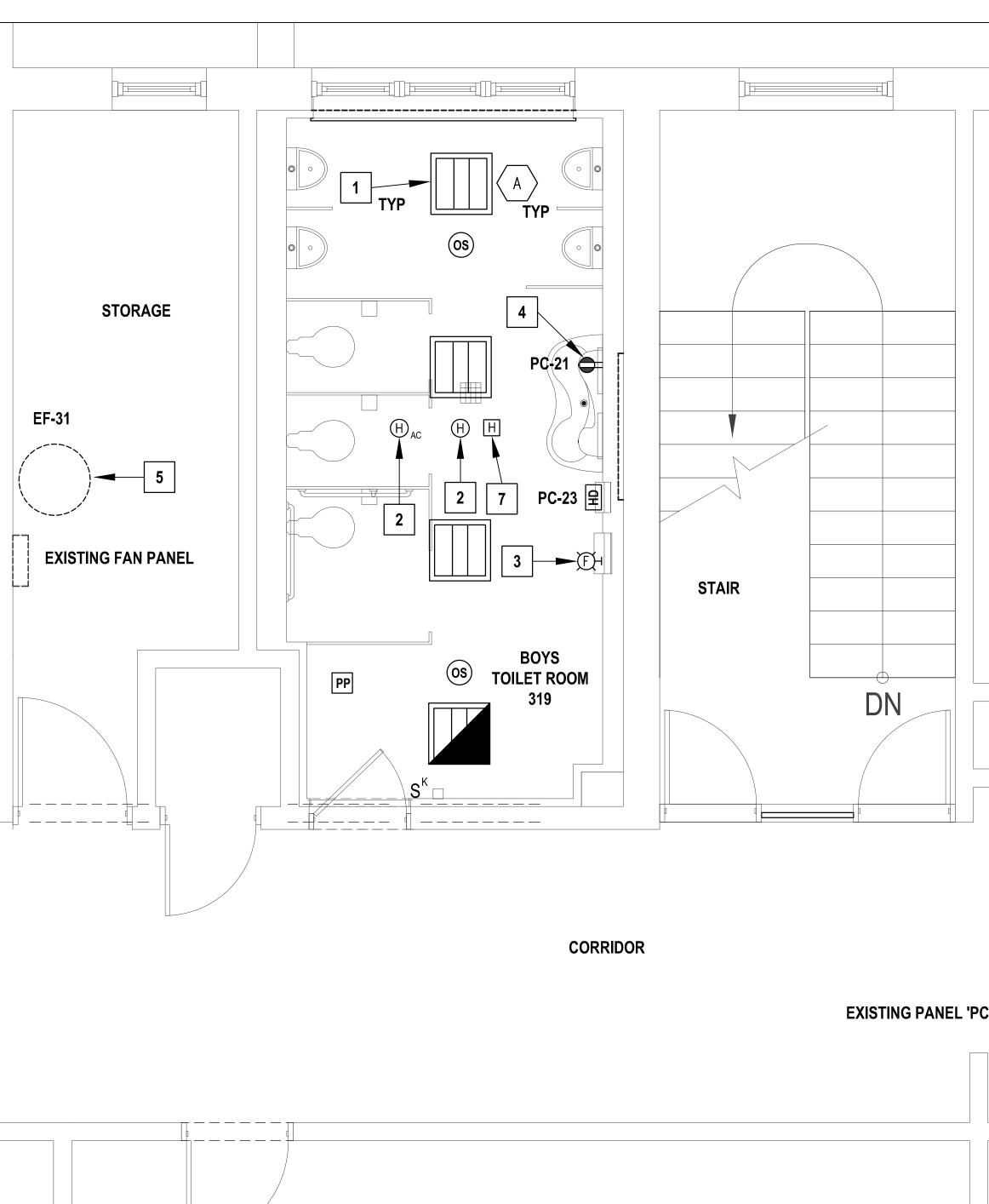
ED 102.00







PSD (White Plains Central School District) - 10991/WPSD 2007 - (George Washington Toilet Room Renovations)/02-BIM-CADD/Con-docs/elec/E102.00 Electrical Plan Part. Second Floor.dwg Last Modified: Nov 02, 2021 - 10:56am Plotted on: Nov 02, 2021 - 11:02am By



## **GENERAL NOTES:**

- 1. REFER TO DRAWING E 001.00 FOR ELECTRICAL NOTES, SYMBOLS AND ABBREVIATIONS.
- 2. PROVIDE ALL REQUIRED NEW WIRING NECESSARY BETWEEN SWITCHES, RELAY POWER PACKS AND OCCUPANCY SENSORS FOR COMPLETE LIGHTING CONTROL SYSTEM.

2 Enlarged 319 Boy's Toilet SCALE: 3/8"=1'-0"

- 3. FIXTURES INDICATED WITH LETTER DESIGNATIONS SHALL BE CONNECTED TO THE SWITCH, OCCUPANCY SENSOR AND/OR POWER PACK WITH CORRESPONDING LETTER DESIGNATION.
- 4. PROVIDE AND INSTALL A DEDICATED NEUTRAL FOR EACH CIRCUIT.
- CONTRACTOR IS NOT PERMITTED TO USE COMMON NEUTRALS.
- ALL NEW CEILING MOUNTED LIGHT FIXTURES WITH EMERGENCY BATTERY PACKS SHALL BE LABELED. THESE LABELS SHALL BE EASILY READ FROM THE FLOOR LEVEL AND STATE THAT THE FIXTURE IS AN EMERGENCY FIXTURE AND CONTAIN THE PANEL NAME AND CIRCUIT NUMBER THAT IT IS FED FROM.
   WIRING FOR EMERGENCY BATTERY PACKS IS NOT SHOWN ON PLANS.
- EMERGENCY BATTERY PACKS SHALL BE FED FROM AN UNSWITCHED HOT WIRE OF THE NORMAL CONTROLLED LIGHTING CIRCUIT SERVING THE LIGHT FIXTURE. 7. ALL RECEPTACLES WITHIN 6' OF A SINK OR WATER SOURCE, LOCKER ROOMS
- AND EXTERIOR SHALL BE GFCI TYPE, OR WHERE INDICATED ON DRAWINGS.8. COORDINATE THE LOCATIONS AND MOUNTING HEIGHTS OF ALL EQUIPMENT
- AND DEVICES WITH ARCHITECTURAL EQUIPMENT, REFLECTED CEILING PLANS, FURNITURE PLANS AND EQUIPMENT OF OTHER TRADES.
- 9. NEW CIRCUITS FOR SINK FAUCET CONTROL AND HAND DRYERS SHALL BE FROM NEW 1P-20 CIRCUIT BREAKERS TO BE INSTALLED IN PANEL 'PC'.
- 10. ALL LIGHT SWITCHES THAT CONTROLLED EXISTING TOILET ROOMS LIGHTS SHALL BE REPLACED WITH KEY SWITCHES. NEW LIGHT FIXTURES TO BE CONTROLLED BY OCCUPANCY SENSORS, RELAY POWER PACKS AND KEY SWITCH.

# KEY NOTES:

- 1 NEW LIGHT FIXTURES TO BE CONNECTED TO EXIST SERVING THE AREA (EXTEND CONDUIT AND WIRING POWER PACK 'PP' CONTROLLED BY OCCUPANCY SE
- 2 NEW FIRE ALARM HEAT DETECTOR (MATCH EXISTIN CONNECTED TO EXISTING FIRE ALARM INITIATING C REQUIRED).
- 3 NEW FIRE ALARM STROBE (MATCH EXISTING MANUF, CONNECTED TO EXISTING FIRE ALARM NOTIFICATION AS REQUIRED).
- 4 GFCI RECEPTACLE FOR LAVATORY SYSTEM CONTR
- WITH PLUMBING CONTRACTOR).
- 5 CONNECT NEW ROOF FAN TO EXISTING POWER FEE WIRING AS REQUIRED (MATCH EXISTING SIZES).
- 6 EXISTING SECONDARY SERVER RACK.
- 7 PROPOSED LOCATION OF NEW "HALO" SMART SENS AND INSTALLED BY OTHERS). CONTRACTOR SHALL LOCATION TO EXISTING SECONDARY SERVER RACK AT SERVER RACK FOR TERMINATION BY OTHERS.

		H 2 N	architects + engineers
		Purchase	ter Ave., Suite 415 e, NY 10577 • www.h2m.com
		CONSULTANTS:	
		MARK DATE	DESCRIPTION
		- 11-03-21	FINAL BID SET
		STATE OF	TE VALICENSED PROFESSIONAL IS ILLEGAL"
		CLIENT	CHECKED BY:     REVIEWED BY:       BER 2021     SCALE:       AS SHOWN
		School Toilet Room I the George Elementa	District Renovations at Washington ary School
TING LIGHTING CIRCUIT G AS REQUIRED) RUN VIA ENSORS AND KEY SWITCH. NG MANUFACTURER) SHALL BE CIRCUIT (EXTEND WIRING AS JFACTURER) SHALL BE		100 Orch	ard Street ns NY, 10604
ON CIRCUIT (EXTEND WIRING		66-22-00-0	1-0-009-016
ED. EXTEND CONDUIT AND NSOR DETECTOR (FURNISHED L RUN CAT 6 CABLE FROM THIS			RACT G ONSTRUCTION
K. COIL 8' ABOVE CEILING AND		FINAL BID	DOCUMENT
	TOILETS, AREA OF WORK		CAL PLANS OND FLOOR
	3 Key Plan SCALE: NTS	DRAWING NO. E10	2.00

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

CONDUCTORS. CONDUCTORS.

NEUTRAL CONDUCTORS FOR DIMMING CIRCUITS ARE CURRENT CARRYING CONDUCTORS.

# RACEWAY SIZING

WIRE DERATING

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:

1. READ ACROSS TO THE RIGHT FROM C/B TRIP TO DESIRED VOLTAGE CHARACTERISTICS AND NEXT GREATER DISTANCE THAN CIRCUIT IN QUESTION.

2. READ DOWN TO MINIMUM WIRE SIZE.

3. DISTANCES ARE TO THE CENTER OF CONCENTRATED LOAD SUCH AS CLASSROOM LIGHTING OR THE MIDPOINT OF DISTRIBUTED LOAD SUCH AS CORRIDOR LIGHTING.

4. 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	1	0
1 POLE DATA/ COMPUTER CIRCUIT	1	1	1	1
2 POLE CIRCUIT	2	1	1	0
3 POLE CIRCUIT	3	1	1	0
3 POLE MOTOR CIRCUIT DELTA	3	0	1	0
3 POLE MOTOR CIRCUIT WYE	3	1	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.

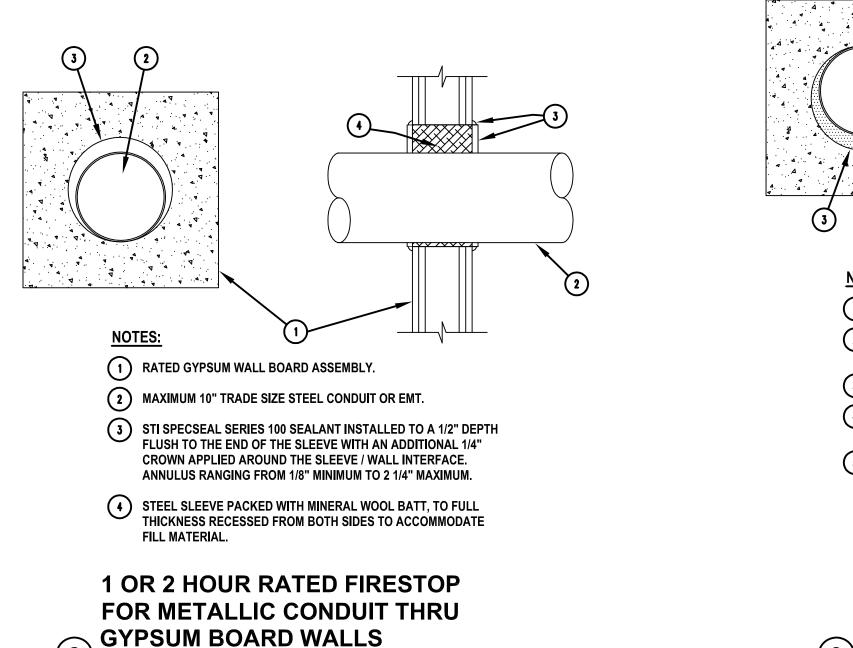
	DUACE	FULL CIRCUIT	FULL CIRCUIT	FULL CIRCUIT
	PHASE	SIZE NEUTRAL		SIZE ISOLATED
	CONDUCTOR		SIZE EQUIPMENT	
		CONDUCTOR	GROUNDING	GROUND
			CONDUCTOR	CONDUCTOR
TWO 1 POLE HOMERUNS	2	2	1	0
TWO 1 POLE DATA/COMP. CIRCUIT HOMERUNS	2	2	1	1
THREE 1 POLE HOMERUNS	3	3	1	0
THREE 1 POLE DATA/COMP. CIRCUIT HOMERUNS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

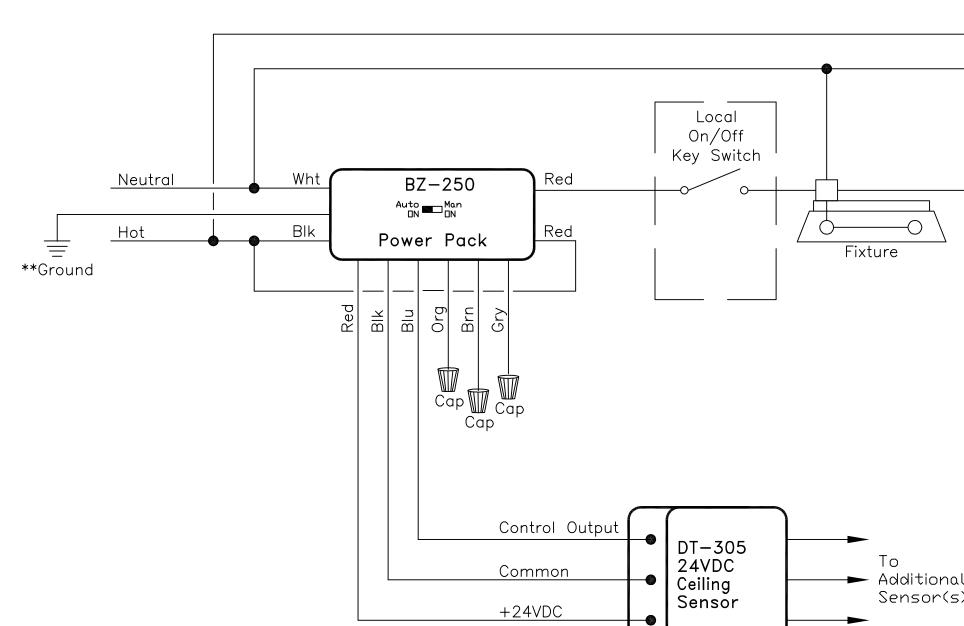
COMBINED HOMERUNS SHALL HAVE THE MINIMUM BRANCH CIRCUIT WIRE SIZE INCREASED IN ACCORDANCE WITH CURRENT NATIONAL ELECTRICAL ADJUSTMENT FACTORS FOR NUMBER OF CURRENT CARRYING CONDUCTORS IN A RACEWAY.

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

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

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.





2 SCALE: NONE

U.L. SYSTEM NUMBER W-L-1054

# 1) Lighting Control Detail SCALE: N.T.S.

# NOTES:

- 1. LIGHTING CONTROL DETAIL IS BASED ON EQUIPMENT FROM LEGRA WATTSTOPPER.
- 2. WIRING OF THE LIGHTING CONTROL SYSTEM SHALL BE ACCORDIN MANUFACTURES RECOMMENDATIONS.
- 3. OCCUPANCY SENSOR LAYOUT / SPACING COVERAGE SHALL HAVE OVERLAP.

	H 2 architects + engineers
	2700 Westchester Ave., Suite 415 Purchase, NY 10577 914.358.5623 - www.h2m.com
	CONSULTANTS:
	MARK DATE DESCRIPTION
Image: Notes:	
ONCRETE SLAB OR CONCRETE OVER STEEL DECK.	
<ul> <li>2 MAXIMUM 8" TRADE SIZE STEEL CONDUIT. ANNULUS RANGING FROM POINT CONTACT* TO 1.4" MAXIMUM.</li> <li>3 STI SPECSEAL SERIES 100 SEALANT INSTALLED TO A 1/2" DEPTH. **</li> </ul>	- 11-03-21 FINAL BID SET
MINERAL WOOL BATT, NOMINAL 4PCF. TO FULL THICKNESS RECESSED FROM BOTH SIDES TO ACCOMMODATE FILL MATERIAL.	OF NEW .
<ul> <li>5) STEEL SLEEVE.</li> <li>*NOTE: A MINIMUM ANNULAR SPACE OF 1/4" AND A 28 GAUGE STEEL COVER PLATE ARE REQUIRED FOR A 4 HOUR RATING.</li> <li>**NOTE: AT POINT CONTACT APPLY A 3/8" COVE BEAD OF SEALANT BETWEEN PIPE AND BOTH SURFACES OF WALL.</li> <li>2 HOUD DATED EIDESTOD</li> </ul>	STATE C. MORADOR
3 HOUR RATED FIRESTOP FOR METALLIC CONDUIT THRU NEW MASONRY WALLS	"ALTERATION OF THIS DOCUMENT EXCEPT BY A LICENSED PROFESSIONAL IS ILLEGAL"
3 SCALE: NONE U.L. SYSTEM NUMBER C-AJ-1150	DESIGNED BY:     DRAWN BY:     CHECKED BY:     REVIEWED BY:       SRF     SRF     CHECKED BY:     SCALE:       PROJECT No.:     DATE:     SCALE:       WPSD 2007     NOVEMBER 2021     AS SHOWN
	White Plains City School District
To Other Light Fixtures	Toilet Room Renovations at the George Washington Elementary School
Emergency Battery Pack	REAL LIFE LEARNING
onal or(s)	100 Orchard Street White Plains NY, 10604
	66-22-00-01-0-009-016
	CONTRACT G GENERAL CONSTRUCTION
LEGRAND	FINAL BID DOCUMENT
ORDING TO THE _ HAVE A 20%	SHEET TITLE ELECTRICAL DETAILS
	<b>E 500.00</b>