

**THE SCHOOL DISTRICT OF PHILADELPHIA  
SCHOOL REFORM COMMISSION  
Office of Capital Programs  
440 North Broad Street, 3<sup>rd</sup> Floor – Suite 371  
Philadelphia, PA 19130**

TELEPHONE: (215) 400-4730

**Addendum No. 001**

**Subject:** Generator Replacement Bid Package  
SDP Contract No. B-055c of 2018/19

**Location:** William Rowen Elementary School  
6801 N. 19<sup>th</sup> St.  
Philadelphia, Pennsylvania 19126

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**This Addendum, dated October 9, 2019, shall modify and become part of the Contract Documents for the work of this project. Any items not mentioned herein, or affected by, shall be performed strictly in accordance with the original documents.**

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**Revise as indicated below or by attachment**

**1 Specifications**

- 1.1 26 24 16 - PANELBOARDS  
DELETE Articles 2.02.H.6 through 2.02.H.09.

**2 Drawings**

- 2.1 Drawing M-401: MODIFY keynote 4 to include a “wall-mounted remote fill box (Morrison 715 Series or equivalent)”.
- 2.2 Drawing M-401: MODIFY keynote 5 to define the whistle cap as “Morrison 922 or equivalent”.
- 2.3 Drawing M-401: MODIFY keynote 6 to define the emergency vent cap as “Morrison 244OM or equivalent”.
- 2.4 Drawing M-401: MODIFY keynote 8 to define the remote level indicator as “weatherproof”.
- 2.5 Drawing M-401: ADD keynote 11 – “Provide overflow prevention valve (Morrison 9095AA or equivalent) to protect fuel oil storage tank.” And ADD keynote 11 hexagon symbol on fill piping adjacent to the generator.
- 2.6 Drawing M-401: Relocate piping, show wall-mounted remote fill box, and show a section view indicator as shown on attached drawings.
- 2.7 Drawing M-501: Re-arrange views and ADD section view as shown on attached drawings.

- 2.8 Drawing E-102: ADD note and path of ingress to southwest boiler room stairwell to indicate "Exterior Access" and "Anticipated path of equipment rigging". See attached drawings.
- 2.9 Drawing E-102: ADD note and leader to northwest area of the boiler room to indicate "Potential limited exterior access via former coal shoot." See attached drawings.

**3 Contractor questions:**

N/A

**END OF ADDENDUM #001**

**Attachments: Revised Drawing Set (8)**



# THE SCHOOL DISTRICT OF PHILADELPHIA

## WILLIAM ROWEN ELEMENTARY SCHOOL 6801 N. 19TH STREET, PHILADELPHIA, PA 19126

# GENERATOR REPLACEMENT

ELECTRICAL: SDP PROJECT NO. B-055(c) OF 2018/19

### 100% DOCUMENTS SUBMISSION: AUGUST 14, 2019

#### GENERAL NOTES:

- THE CONTRACTOR SHALL BECOME FAMILIAR WITH THE EXISTING CONDITIONS AFFECTING THIS PROJECT AND COORDINATE WITH OTHER DISCIPLINES.
- THE WORK IN ACCORDANCE WITH DRAWINGS AND SPECIFICATIONS SHALL CONSIST OF PROVIDING ALL EQUIPMENT, MATERIALS, LABOR, SERVICES AND PERFORMED IN COMPLIANCE WITH THE APPLICABLE CODES AND STANDARDS.
- ALL EQUIPMENT SHALL BE HANDLED, STORED, AND PROTECTED TO PREVENT DAMAGE BEFORE AND DURING INSTALLATION IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.
- ALL EQUIPMENT SHALL BE INSTALLED AND ADEQUATE CLEARANCES BE PROVIDED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS AND CODE.
- ALL NEW EQUIPMENT SHALL BE TESTED IN ACCORDANCE WITH APPLICABLE CODES AND STANDARDS. LEAKS, IF ANY, SHALL BE REPAIRED AND THE PIPING SHALL BE RETESTED TO MEET THE REQUIREMENTS.
- ALL NEW EQUIPMENT IS SHOWN IN APPROXIMATE POSITION. THE CONTRACTOR SHALL FIELD VERIFY THE ROUTING AND TIE-INS OF NEW AND EXISTING PIPING. ALL NEW PIPING SHALL BE INSTALLED AND ADEQUATELY SUPPORTED IN ACCORDANCE WITH APPLICABLE CODES AND STANDARDS.
- THE CONTRACTOR SHALL CHECK AND FIELD VERIFY ALL CONDITIONS AND DIMENSIONS AT THE SITE PRIOR TO SUBMITTING BID AND BEFORE START OF CONSTRUCTION.
- THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING INSTALLATION OF ALL EQUIPMENT SHOWN ON THE DRAWINGS, INCLUDING COORDINATION IF ANY EQUIPMENT OF ALTERNATE MANUFACTURER. THE CONTRACTOR SHALL PROVIDE COMPOSITE DRAWINGS AS REQUIRED FOR THE INSTALLATION OF EQUIPMENT AS SHOWN ON PLAN FOR APPROVAL BY ENGINEER.
- ANY EQUIPMENT, MATERIALS, LABOR OR SERVICES NOT SPECIFICALLY MENTIONED HEREIN WHICH MAY BE NECESSARY TO COMPLETE OR PERFECT ANY PART OF INSTALLATION IN A SUBSTANTIAL MANNER SHALL BE FURNISHED WITHOUT EXTRA COST TO THE OWNER.
- ALL WORK SHALL COMPLY WITH LOCAL AND NATIONAL CODES AND STANDARDS, UNDERWRITERS LABORATORY APPROVAL, AND ALL STATE AND FEDERAL OSHA SAFETY REQUIREMENTS.
- THE CONTRACTOR SHALL PAINT ALL UN-INSULATED METAL PIPING, IRON OR STEEL VALVES, EQUIPMENT FOUNDATIONS, AND ALL SUPPORTS AS INDICATED IN SPECIFICATIONS. CONTRACTOR SHALL PRIME PAINT ALL PIPING AND VALVES PRIOR TO INSULATION APPLICATION.
- ALL NEW FUEL OIL AND FUEL OIL VENT PIPING SHALL BE CARBON STEEL WITH THREADED OR WELDED JOINTS.
- LOCAL CODES SHALL SUPERCEDE INTERNATIONAL BUILDING CODES WHERE CONFLICTS OCCUR.
- PROVIDE DIELECTRIC UNIONS AND PROPERLY ISOLATE CONTACT BETWEEN DISSIMILAR METALS TO INHIBIT GALVANIC CORROSION.
- PROVIDE A FULL TANK OF DIESEL FUEL AT SUBSTANTIAL COMPLETION OF PROJECT AFTER ALL STARTUP AND TESTING ACTIVITIES HAVE BEEN COMPLETED.

- THE CONTRACTOR SHALL OBTAIN AND PROVIDE OWNER'S REPRESENTATIVE WITH AIR MANAGEMENT PERMIT PRIOR TO GENERATOR STARTUP.
- THE SCHOOL DISTRICT OF PHILADELPHIA MAY RESTRICT WORK HOURS DURING THE SCHOOL DAY.
- THE CONTRACTOR IS RESPONSIBLE TO LABEL AND/OR PAINT ALL NEW EQUIPMENT, PIPING, INSTRUMENTS, AND ACCESSORIES.

#### APPLICABLE CODES:

- PHILADELPHIA BUILDING CONSTRUCTION AND OCCUPANCY CODE (2018 ICC)
  - SUBCODE "A": THE PHILADELPHIA ADMINISTRATIVE CODE
  - SUBCODE "B": THE PHILADELPHIA BUILDING CODE
  - SUBCODE "E": THE PHILADELPHIA ELECTRICAL CODE
  - SUBCODE "EB": THE PHILADELPHIA EXISTING BUILDING CODE
  - SUBCODE "EC": THE PHILADELPHIA ENERGY CONSERVATION CODE
  - SUBCODE "F": THE PHILADELPHIA FIRE CODE
  - SUBCODE "G": THE PHILADELPHIA FUEL GAS CODE
  - SUBCODE "M": THE PHILADELPHIA MECHANICAL CODE
  - SUBCODE "P": THE PHILADELPHIA PLUMBING CODE
  - SUBCODE "PC": THE PHILADELPHIA CODE FOR BUILDINGS AND MAINTENANCE
  - SUBCODE "PM": THE PHILADELPHIA PROPERTY MAINTENANCE CODE
- PHILADELPHIA CROSS CONNECTION CODE
- NFPA 2017 NATIONAL ELECTRIC CODE
- PHILADELPHIA GAS WORKS (PGW) PIPING SPECIFICATION AND EQUIPMENT INSTALLATION MANUAL

#### DEMOLITION NOTES:

- THE CONTRACTOR SHALL OBTAIN ALL REQUIRED PERMITS AND TURN OFF ALL IMPACTED UTILITIES BEFORE STARTING WORK.
- ALL DEMOLITION/REMOVAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE STANDARDS AND REGULATIONS.
- DEMOLITION WORK SHALL BE SCHEDULED AND IMPLEMENTED WITH MINIMAL DISRUPTION TO ADJACENT OCCUPIED AREAS.
- REMOVE ALL MATERIALS IN A SAFE WORKMANLIKE MANNER AND DISPOSE OF PER ALL APPLICABLE CODES & SAFETY REQUIREMENTS.
- CONSTRUCTION DEBRIS MUST BE REMOVED FROM OCCUPIED SPACES AT THE END OF EACH WORK SHIFT.

#### GENERATOR TESTING AND QUALITY CONTROL:

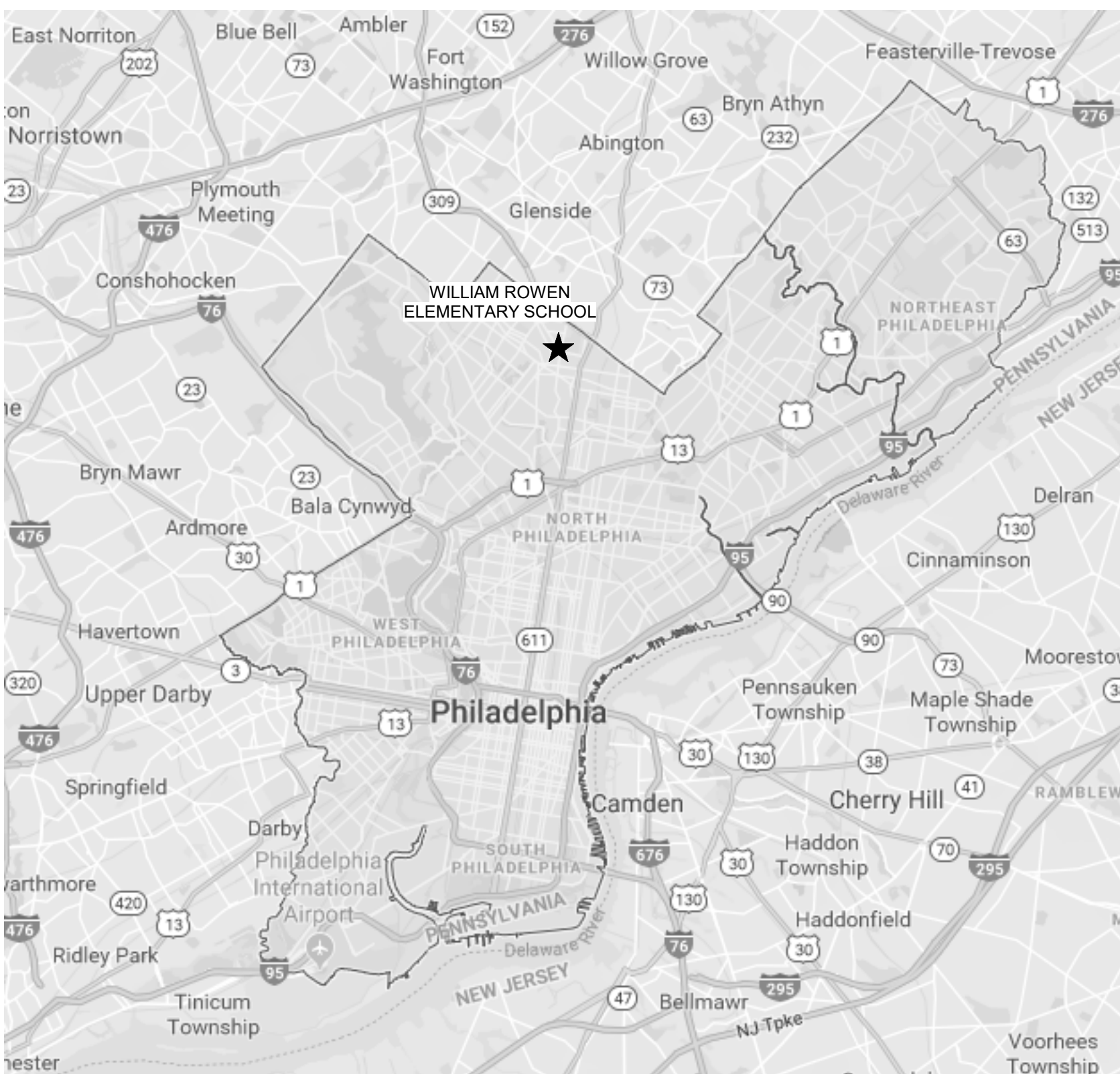
- REPLACEMENTS: MANUFACTURERS MUST HAVE REPLACEMENT PARTS AVAILABLE AND DELIVERED TO SITE WITHIN SEVEN DAYS AFTER NOTIFICATION OF DEFECT.
- LIABILITY: MANUFACTURER IS RESPONSIBLE FOR ALL COST, INCLUDING LABOR, PARTS, AND MATERIALS ASSOCIATED WITH THE REPLACEMENT OF DEFECTIVE COMPONENTS DURING INSTALLATION. LABOR COSTS SHALL BE BASED ON PREVAILING UNION RATES OF THE TRADE PERFORMING THE ORIGINAL INSTALLATION. IF THE MANUFACTURER FAILS TO PROVIDE LABOR AND MATERIAL COST RESPONSIBILITY SHALL FALL TO INSTALLING CONTRACTOR.
- WARRANTY: MANUFACTURER IS RESPONSIBLE FOR ALL COST, INCLUDING LABOR, PARTS, AND MATERIALS ASSOCIATED WITH THE REPLACEMENT OF COMPONENTS FOUND DEFECTIVE DURING THE WARRANTED PERIOD. LABOR COSTS SHALL BE BASED ON PREVAILING UNION RATES OF THE TRADE PERFORMING THE ORIGINAL INSTALLATION.
- FAILURE EVALUATION: MANUFACTURER SHALL BE RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH THE TESTING OF FAILED COMPONENTS THAT HAVE BEEN REFUSED REPLACEMENT AND ARE DEEMED DEFECTIVE THROUGH TESTING.
- CONTRACTORS RESPONSIBILITY: CONTRACTORS WHO PROVIDE MANUFACTURER'S PRODUCTS THAT DO NOT MEET THE INDICATED OR IMPLIED WARRANTY REQUIREMENTS STATED ABOVE AND IN THE CONTRACT DOCUMENTS SHALL ASSUME THE STATED WARRANTY OBLIGATIONS AND PROVIDE MAINTENANCE BONDS AT A VALUE AS DETERMINED BY THE DISTRICT FOR THE SPECIFIC TASKS, ITEMS AND/OR EQUIPMENT IN ORDER TO OBTAIN PROJECT CLOSEOUT.

#### OWNER

SCHOOL DISTRICT OF PHILADELPHIA  
440 N. BROAD ST.  
PHILADELPHIA, PA 19130-4015  
PHONE: 215-400-4740  
FAX: 215-400-4731  
EMAIL: NWARD@PHILASD.ORG  
ATTN: NICOLE WARD, DESIGN MANAGER  
OFFICE OF CAPITAL PROGRAMS  
WWW.PHILASD.ORG

#### ENGINEER OF RECORD

GANNETT FLEMING, INC.  
1010 ADAMS AVENUE  
VALLEY FORGE, PA 19403  
PHONE: 610.650.8156  
FAX: 610.650.8190  
EMAIL: BWEISSER@GFNET.COM  
ATTN: BRIAN M. WEISSER, P.E.



LOCATION MAP

NOT TO SCALE

DRAWING LIST		
SHEET #	DRAWING #	SHEET NAME
1	G-001	PROJECT COVER SHEET
2	M-001	MECHANICAL SYMBOLS AND ABBREVIATIONS
3	M-401	MECHANICAL DEMOLITION & NEW WORK ENLARGED PLAN
4	M-501	MECHANICAL SCHEMATICS
5	E-001	ELECTRICAL SYMBOLS AND ABBREVIATIONS
6	E-101	ELECTRICAL DEMOLITION ENLARGED PLAN
7	E-102	ELECTRICAL ENLARGED PLAN - NEW WORK
8	E-601	ELECTRICAL ONE-LINE DIAGRAMS & SCHEDULES

NO.	DATE	REVISION

SCHOOL & LOCATION  
**WILLIAM ROWEN ELEM. SCHOOL**  
6801 N. 19TH ST.  
PHILADELPHIA, PA 19126

PROJECT TITLE

**GENERATOR REPLACEMENT**

DRAWING SCALE

**PROJECT COVER SHEET**

DRAWING SCALE	LOCATION NO.	FILE NO.

DRAWN BY  
KM

CHECKED BY  
BMW

B-055(c) of 2018/2019

DRAWING NO.  
**G-001**

SHEET 1 OF 8

SEAL:

BRUNIA, WESSER PA PD03837 DATE MM/DD/YY

Main table with columns: ABBREVIATIONS, DUCTWORK, PIPING, FITTINGS, AND VALVES, GENERAL NOTES. Includes various symbols and descriptions for mechanical systems.

ADDENDUM #1 04 OCT 2019

Table with columns: NO, DATE, REVISION. Contains revision history entries.

SCHOOL & LOCATION WILLIAM ROWEN ELEM. SCHOOL 6801 N. 19TH ST. PHILADELPHIA, PA 19126

PROJECT TITLE GENERATOR REPLACEMENT

DRAWING SCALE MECHANICAL SYMBOLS AND ABBREVIATIONS

Table with columns: DRAWING SCALE, LOCATION NO., FILE NO., DRAWN BY, CHECKED BY.

Vertical text on the left edge: Local File: BM... Central File: BM...

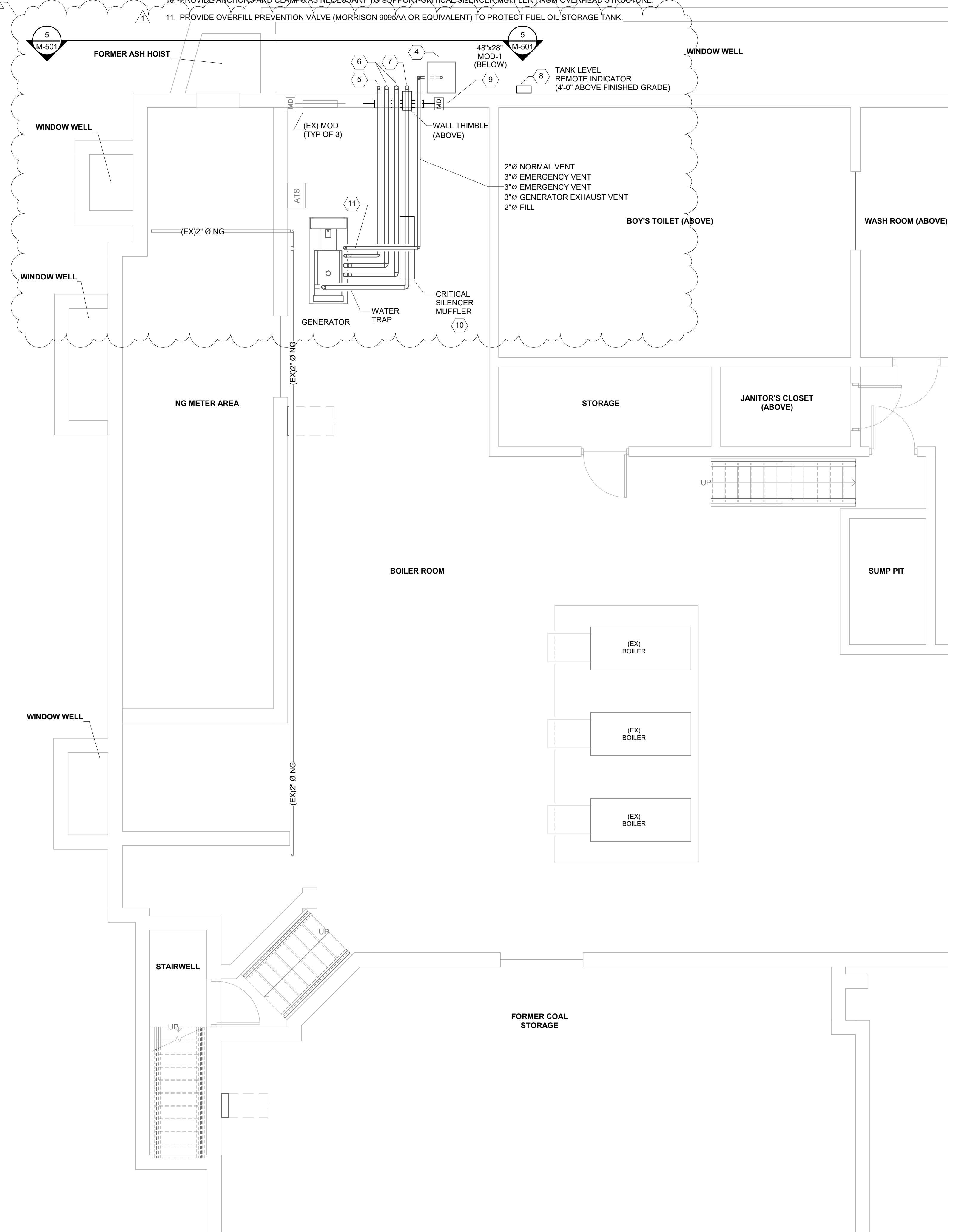
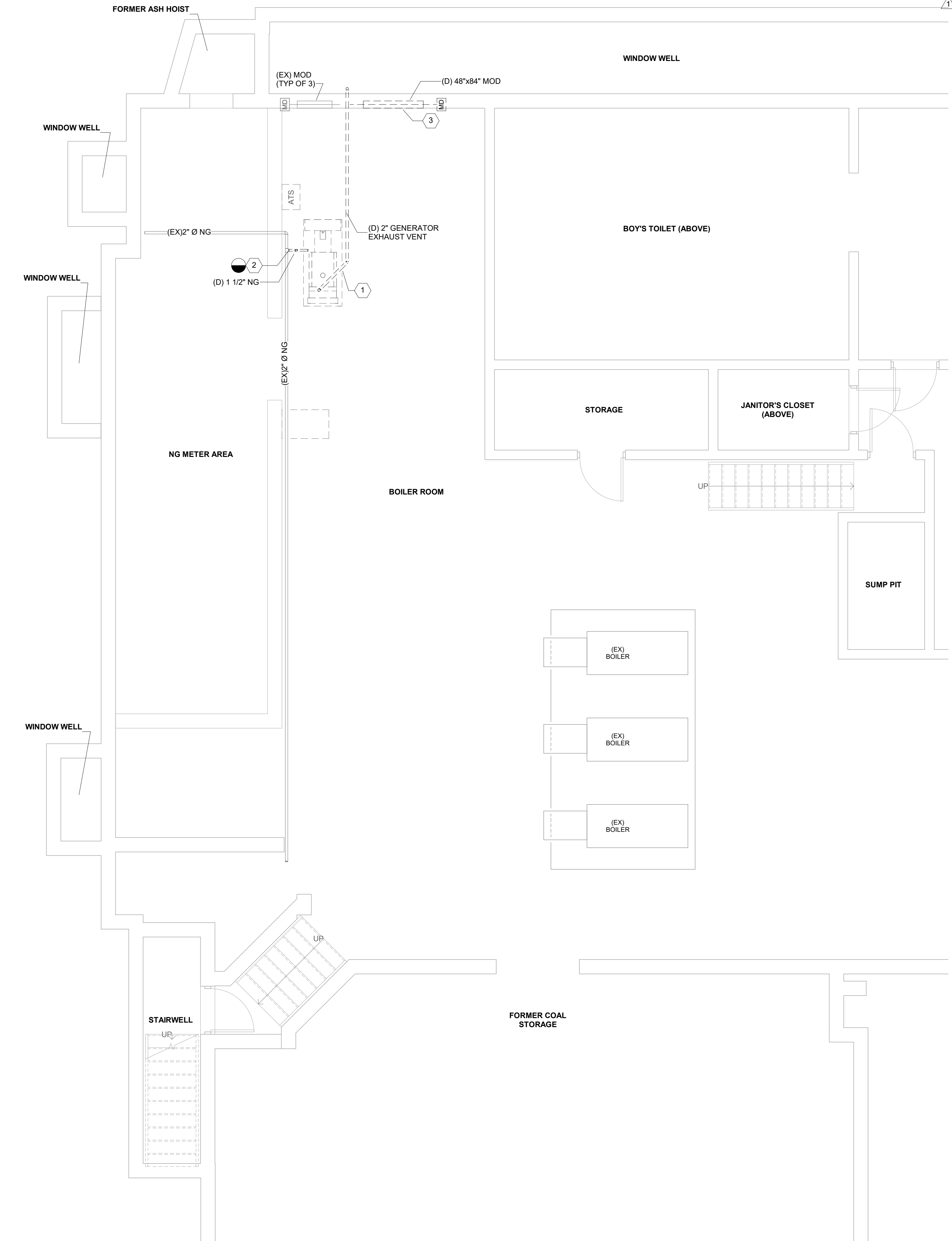
COMBUSTION AIR SCHEDULE							
COMBUSTION SOURCE	INPUT (BTUH)	2018 IFGC REQUIREMENT FOR SINGLE OPENING (SQ IN / 3000 BTUH)	REQUIRED OPENING (SQ IN)	ASSOCIATED MODS	EACH MOD DIMENSIONS (INxIN)	FREE AREA (%)	TOTAL FREE AREA (SQ IN)
GENERATOR	1,695,800	1	565	MOD-1	40 x 28	51	571

# SHEET KEYNOTES

- REMOVE FULL LENGTH OF GENERATOR EXHAUST PIPING, INSULATION, CRITICAL SILENCER, SUPPORTS, AND ACCESSORIES. REPAIR MASONRY WALL PENETRATION TO MATCH EXISTING.
- REMOVE NATURAL GAS BRANCH DOWN TO GENERATOR. CAP PIPING AT BRANCH FROM MAIN.
- REMOVE MOTOR OPERATED DAMPER, CLEAN DEBRIS FROM LOUVER AND SCREENING. PREPARE MASONRY OPENING FOR REUSE.
- PROVIDE FREE-STANDING FILL PORT WITH SCREENED, WEATHER-RESISTANT CAP IN A WEATHERPROOF, WALL-MOUNTED, REMOTE FILL BOX (MORRISON 715 SERIES OR EQUIVALENT) AT LEAST 24 INCHES FROM ANY BUILDING OPENINGS AT THE SAME OR LOWER ELEVATION AS THE FILL PORT. PROVIDE SIGNAGE INDICATING "EMERGENCY GENERATOR FILL, DIESEL FUEL ONLY". PROVIDE FUEL OIL FILL PIPING AND PITCH AT 1/8" PER LINEAR FOOT DOWN TO OVERFILL PREVENTION VALVE ON STORAGE TANK.
- PROVIDE NORMAL VENT PIPING WITH WEATHERPROOF WHISTLE CAP (MORRISON 922 OR EQUIVALENT) UP TO ROOF LINE AND 5'-0" FROM ANY BUILDING OPENINGS AND 15'-0" FROM ANY MECHANICAL AIR INTAKES. PITCH PIPING AT 1/8" PER LINEAR FOOT TOWARDS STORAGE TANK.
- PROVIDE EMERGENCY VENT PIPING WITH WEATHERPROOF CAP (MORRISON 3440M OR EQUIVALENT) UP TO ROOF LINE AND 5'-0" FROM ANY BUILDING OPENINGS AND 15'-0" FROM ANY MECHANICAL AIR INTAKES. PITCH PIPING AT 1/8" PER LINEAR FOOT TOWARDS STORAGE TANK.
- PROVIDE INSULATED GENERATOR EXHAUST PIPING WITH 1.5 RADIUS SWEEPING ELBOWS, WALL THIMBLE, AND WATER TRAP WITH DRAIN AT VERTICAL ELBOW NEAREST GENERATOR. PIPE WATER TRAP TO NEAREST FLOOR DRAIN. PITCH EXHAUST PIPING AT 1/8" PER LINEAR FOOT TOWARDS WATER TRAP. PROVIDE GENERATOR MANUFACTURER FURNISHED FLEXIBLE BELLOWS CONNECTION TO GENERATOR AND OVERHEAD CRITICAL SILENCER MUFFLER WITH DRAIN VALVE. TERMINATE PIPING AT ROOF LINE NO LESS THAN 3 HORIZONTAL FEET FROM TANK VENT PIPING WITH HORIZONTAL FITTING POINTING AWAY FROM STRUCTURE WITH FLAP CAP. PROVIDE 304 STAINLESS STEEL INSULATION JACKET FOR THE LENGTH OF THE GENERATOR EXHAUST PIPING. SUPPORT ALL PIPING TO PERMIT EXPANSION AWAY FROM THE GENERATOR.
- PROVIDE WEATHERPROOF STORAGE TANK LEVEL REMOTE INDICATOR, VANDAL GUARD, CONDUIT, AND WIRING.
- PROVIDE INSULATED MOTOR OPERATED DAMPER, FIXED-MOUNTED DAMPER SWITCH, CONTROLS, CONDUIT, WIRING, AND ACCESSORIES. PROVIDE INSULATED ALUMINUM BLANK-OFF PANEL TO FILL THE ANNULAR SPACE OF MASONRY OPENING. SEAL AROUND EDGES OF PENETRATION.
- PROVIDE ANCHORS AND CLAMPS AS NECESSARY TO SUPPORT CRITICAL SILENCER MUFFLER FROM OVERHEAD STRUCTURE.
- PROVIDE OVERFILL PREVENTION VALVE (MORRISON 9055AA OR EQUIVALENT) TO PROTECT FUEL OIL STORAGE TANK.

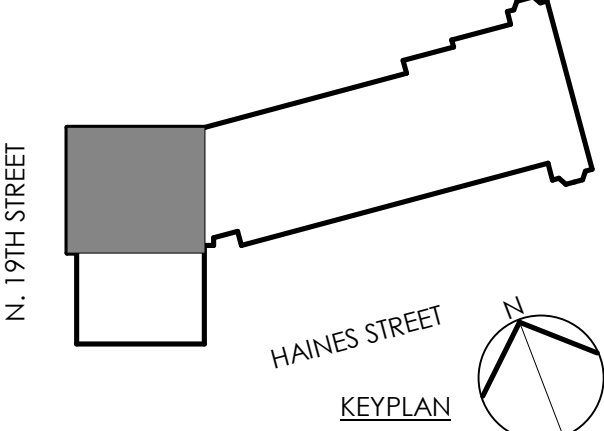
GENERAL NOTES

- REPAIR ANY DAMAGE CAUSED TO EXISTING UTILITIES OR STRUCTURES AT NO ADDITIONAL COST TO OWNER.
- SLEEVE AND SEAL ALL WALL PENETRATIONS WEATHERTIGHT.
- PRIME COAT AND FINISH COAT ALL FUEL OIL VENT AND FILL PIPING.
- CLEARLY LABEL AND IDENTIFY ALL PIPING AND EQUIPMENT.
- SUPPORT ALL PIPING AND EQUIPMENT FROM STRUCTURE IN ACCORDANCE WITH MSS SP-60 TO PROTECT AGAINST PHYSICAL DAMAGE AND EXCESSIVE STRESSES.
- LEAK TEST ALL FUEL OIL PIPING IN ACCORDANCE WITH NFPA 31 AND ASME B31 BEFORE COVERING, ENCLOSING, OR PLACING THE PIPING INTO USE.
- MODIFY WINDOW WELL GRATING AS NECESSARY TO ACCOMMODATE NEW PIPING.
- ENSURE THAT CRITICAL SILENCER MUFFLER IS APPROVED FOR USE WITH GENERATOR BY MANUFACTURER AND THAT THE EXHAUST SYSTEM DOES NOT EXCEED ACCEPTABLE BACKPRESSURE.



1 MECHANICAL DEMOLITION ENLARGED PLAN  
SCALE: 1/4" = 1'-0"

2 MECHANICAL NEW WORK ENLARGED PLAN  
SCALE: 1/4" = 1'-0"



ADDENDUM #1  
04 OCT 2019

NO.	DATE	REVISION
1	04 OCT 2019	ADDENDUM #1

SCHOOL & LOCATION  
**WILLIAM ROWEN ELEM. SCHOOL**  
6801 N. 19TH ST.  
PHILADELPHIA, PA 19126

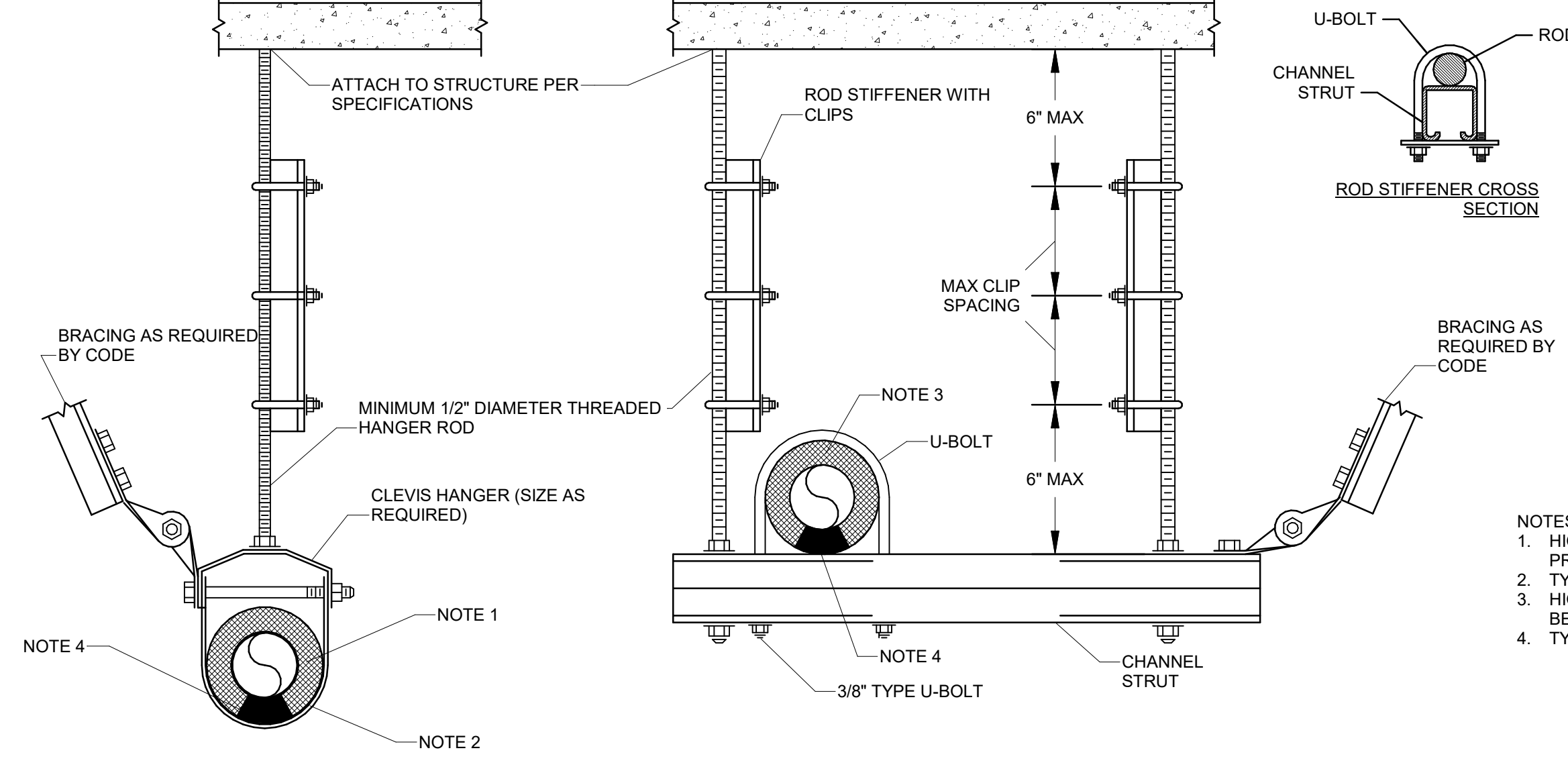
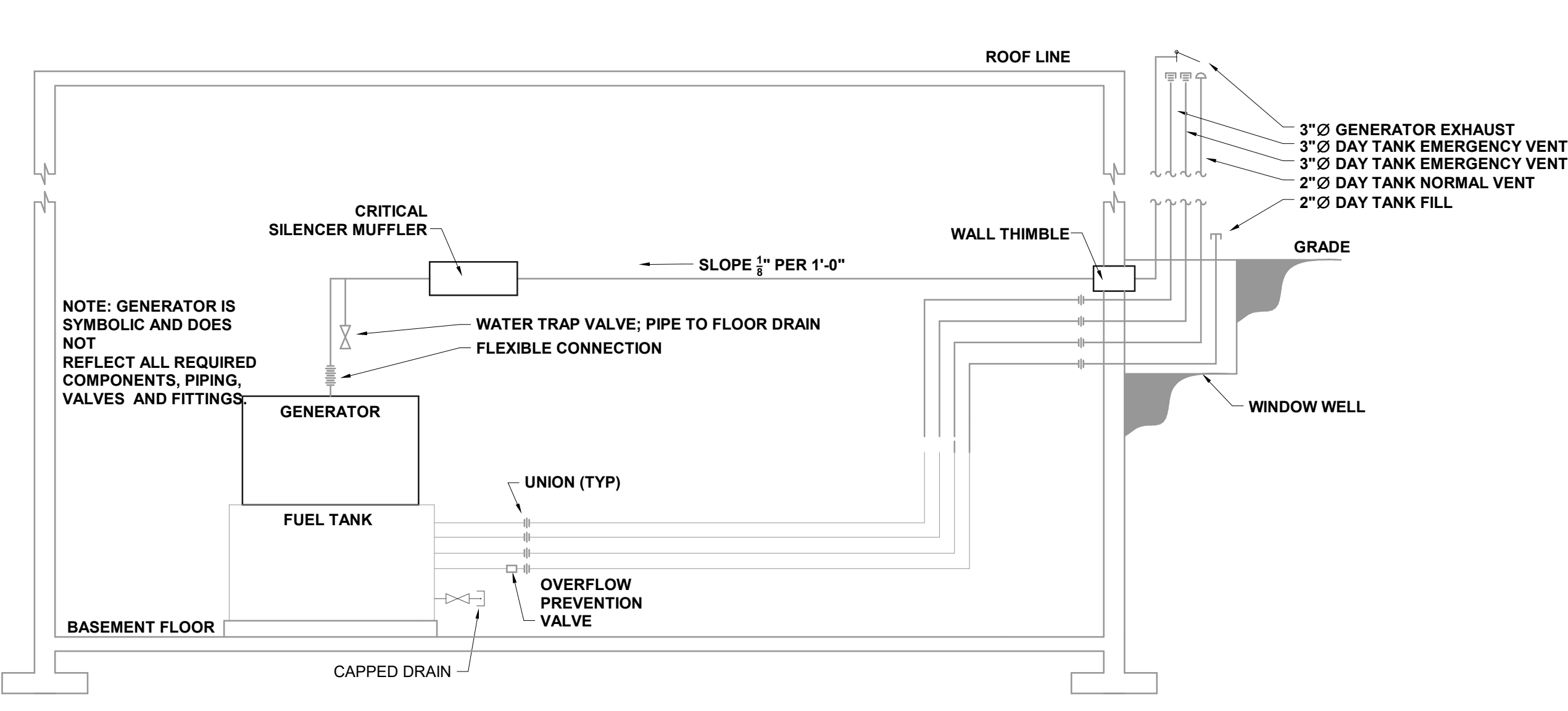
PROJECT TITLE  
**GENERATOR REPLACEMENT**

DRAWING SCALE  
**MECHANICAL DEMOLITION & NEW WORK ENLARGED PLAN**

DRAWING SCALE As indicated	FILE NO. N/A
LOCATION NO. 7530	CHECKED BY BMW
DRAWN BY KM	B-055(c) of 2018/2019

DRAWING NO.  
**M-401**  
SHEET 3 OF 8

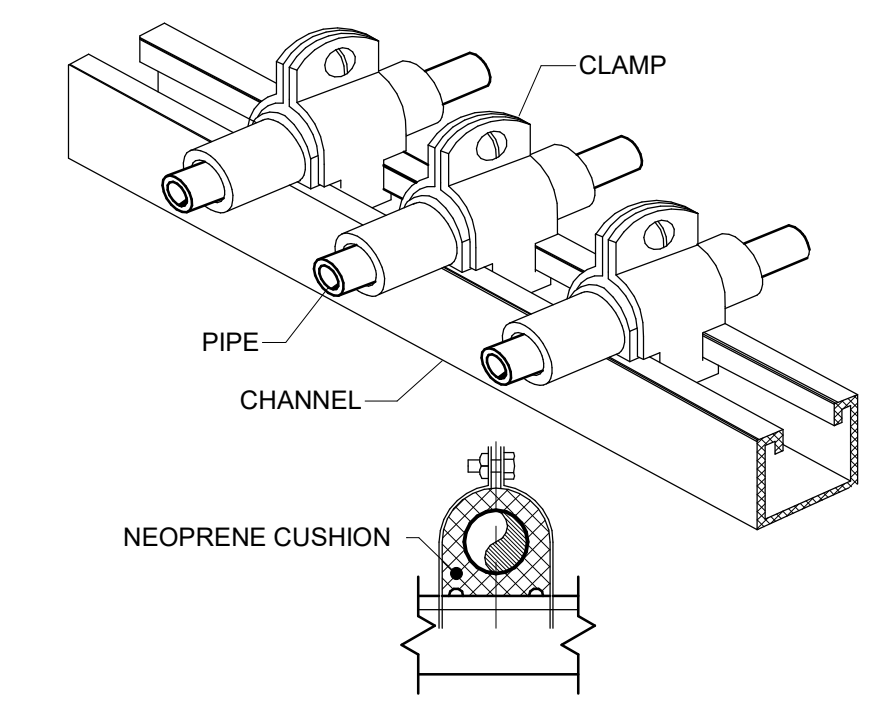
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Central File: BM\360\_DM\063694\_M\_Central\_R19\_BM360.rvt  
Project Number: N/A  
10/4/2019 8:30:20 PM



ROD SIZE	MAXIMUM SPACING BETWEEN STIFFENER CLIPS		MAXIMUM LENGTH FOR THREAD ROD	
	IN.	MM	IN.	MM
3/8	9.53	19	483	1'-7"
1/2	12.70	25	635	2'-1"
5/8	15.88	31	787	2'-7"
3/4	19.05	37	940	3'-1"
7/8	22.23	43	1092	3'-7"
1	25.40	50	1270	4'-2"

- ROD STIFFENER ASSEMBLY IS NOT REQUIRED IF ROD LENGTH IS LESS THAN THE MAXIMUM LENGTH SPECIFIED FOR THREADED ROD.
- A MINIMUM OF 2 CLIPS IS REQUIRED PER ASSEMBLY.
- STIFFENERS ARE REQUIRED ONLY ON HANGER RODS AT BRACE LOCATIONS.

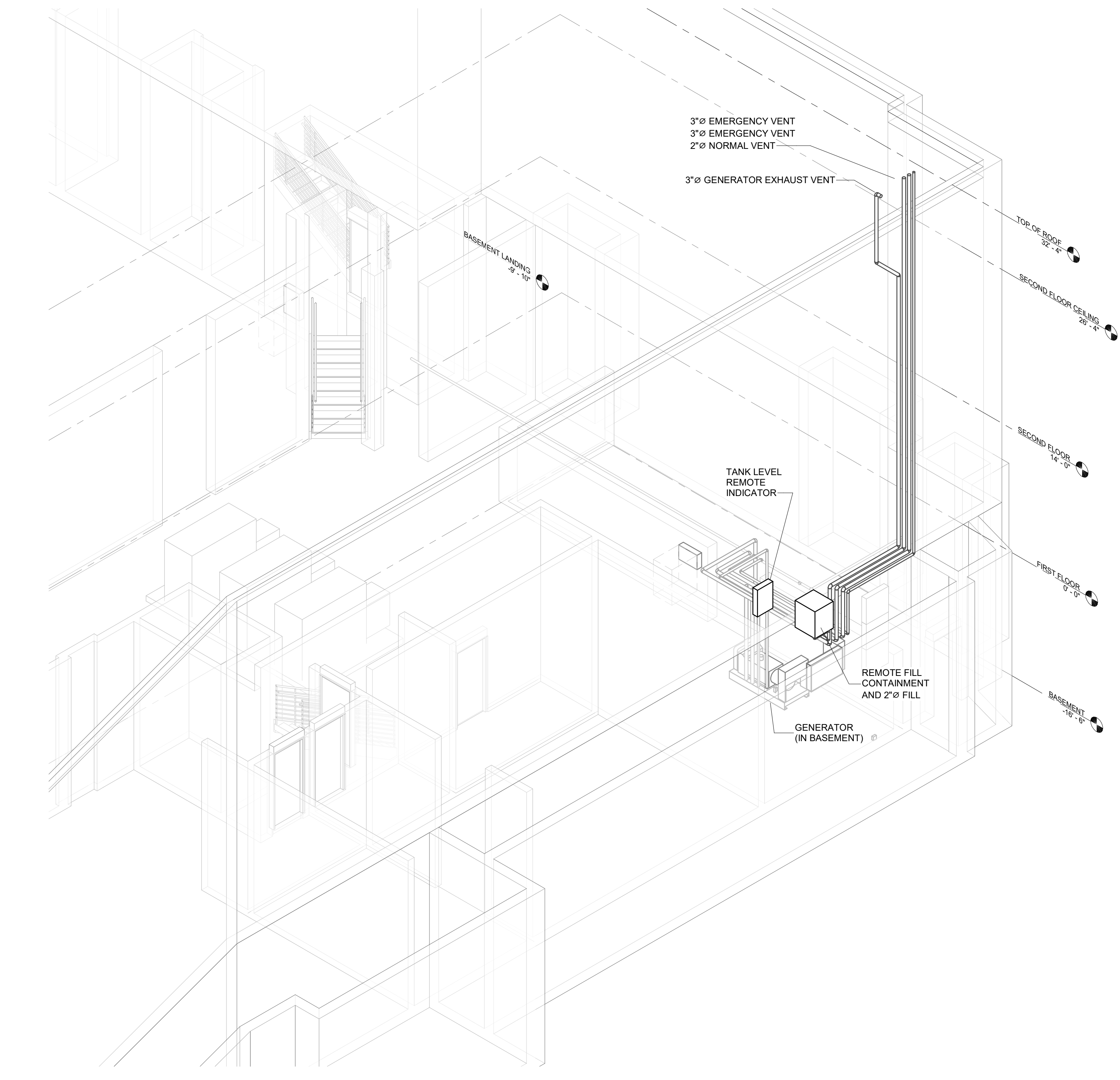
- HIGH DENSITY INSULATION INSERT LOWER HALF OF PIPE. EXTEND 2" BEYOND PROTECTION SHIELD EACH WAY.
- TYPE 40 PROTECTION SHIELD AT BOTTOM AT EACH HANGER.
- HIGH DENSITY INSULATION INSERT UPPER AND LOWER HALF OF PIPE. EXTEND 2" BEYOND PROTECTION SHIELD EACH WAY.
- TYPE 40 PROTECTION SHIELD TOP AND BOTTOM, WITH SUPPORT BLOCK.



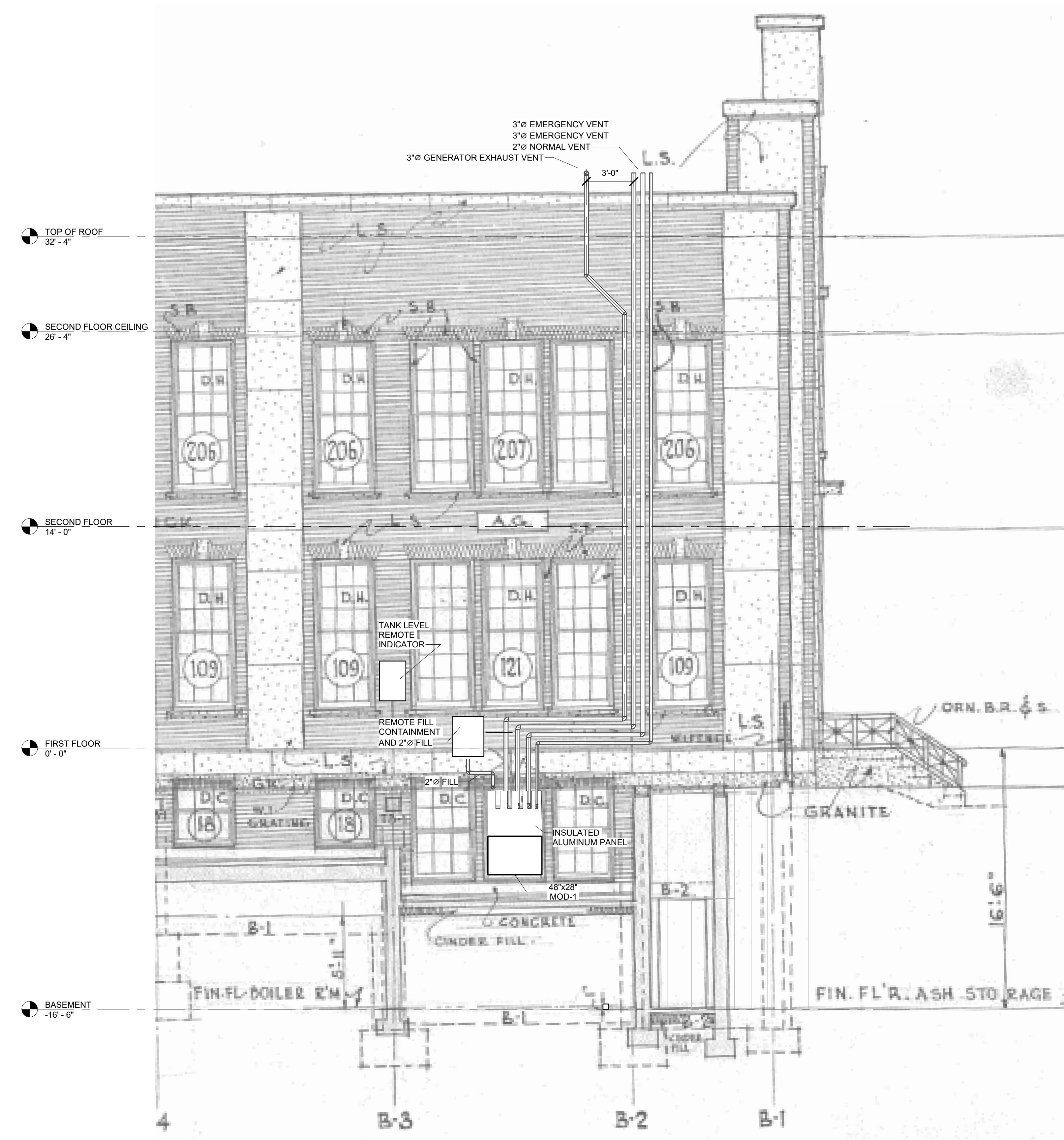
2 FUEL OIL PIPING SCHEMATIC  
SCALE: NTS

3 PIPE HANGER DETAIL

4 PIPING CHANNEL SUPPORT DETAIL



1 MECHANICAL NEW WORK ISOMETRIC VIEW  
SCALE: NTS



5 MECHANICAL NEW WORK PARTIAL ELEVATION  
SCALE: 1/4" = 1'-0"

ADDENDUM #1  
04 OCT 2019

NO.	DATE	REVISION
1	04 OCT 2019	ADDENDUM #1

SCHOOL & LOCATION  
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PHILADELPHIA, PA 19126

PROJECT TITLE  
**GENERATOR REPLACEMENT**

DRAWING SCALE  
N/A

DRAWING NO.	FILE NO.
N/A	7530
DRAWN BY	CHECKED BY
KM	BMW

DRAWING NO.  
**M-501**  
SHEET 4 OF 8



KEYED DEMOLITION NOTES

- ① COMPLETELY REMOVE THE EXISTING GENERATOR, TRANSFER SWITCH, EMERGENCY PANELBOARD, DISCONNECT, AND ALL ASSOCIATED ELECTRICAL EQUIPMENT.
- ② CLEAN EXISTING HOUSEKEEPING PAD AND EXTEND AS REQUIRED TO MATCH NEW GENERATOR FOOTPRINT.
- ③ DISCONNECT ALL EXISTING BRANCH CIRCUITS FROM THE PANELBOARD, TAG EACH BRANCH CIRCUIT PRIOR TO DEMOLITION.
- ④ DEMOLISH THE EXISTING FEEDER FROM THE AT'S TO THE JUNCTION BOX LOCATED ABOVE AT'S.

ADDENDUM #1  
04 OCT 2019

NO.	DATE	REVISION

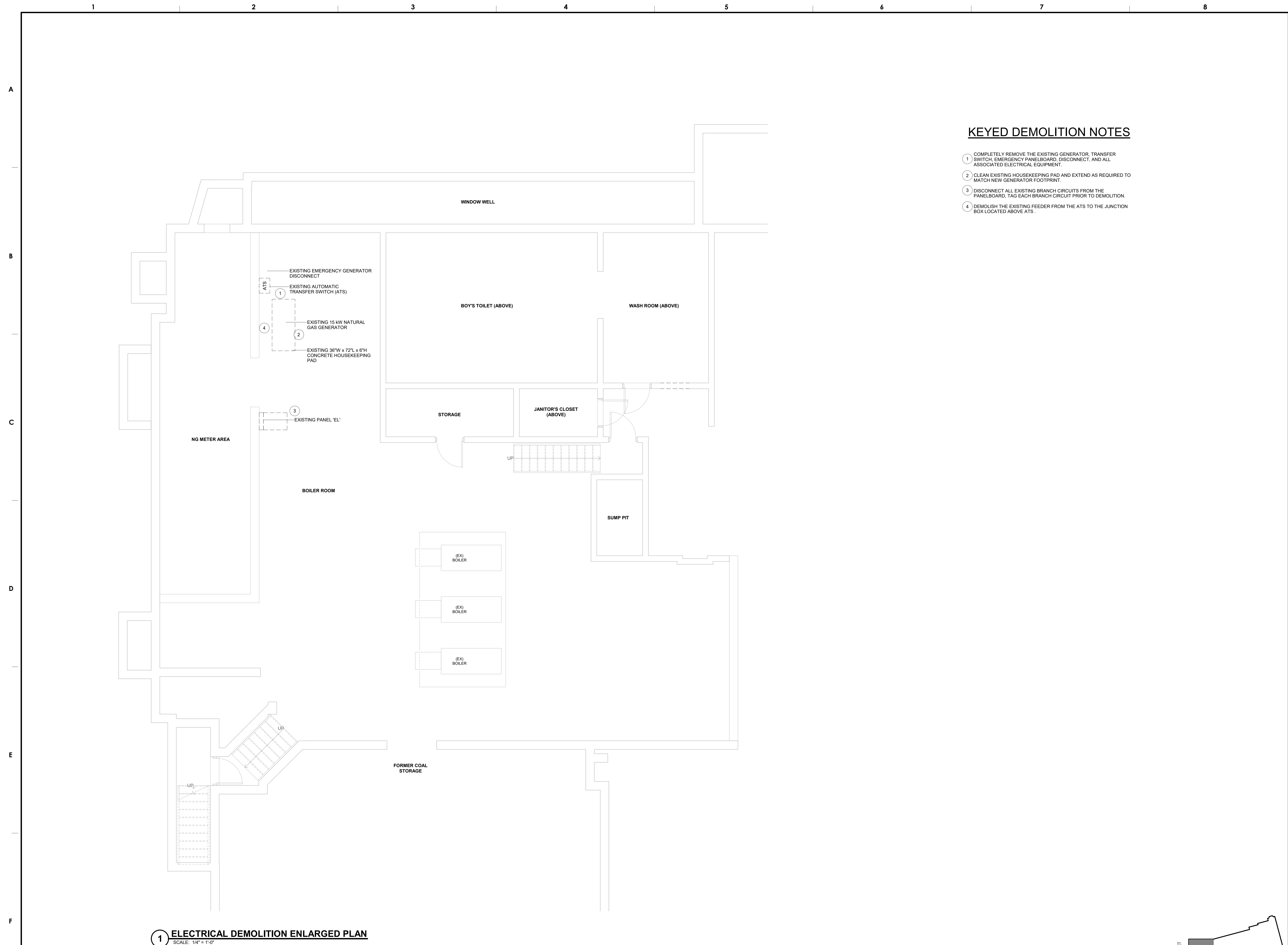
SCHOOL & LOCATION  
**WILLIAM ROWEN ELEM. SCHOOL**  
6801 N. 19TH ST.  
PHILADELPHIA, PA 19126

PROJECT TITLE  
**GENERATOR REPLACEMENT**

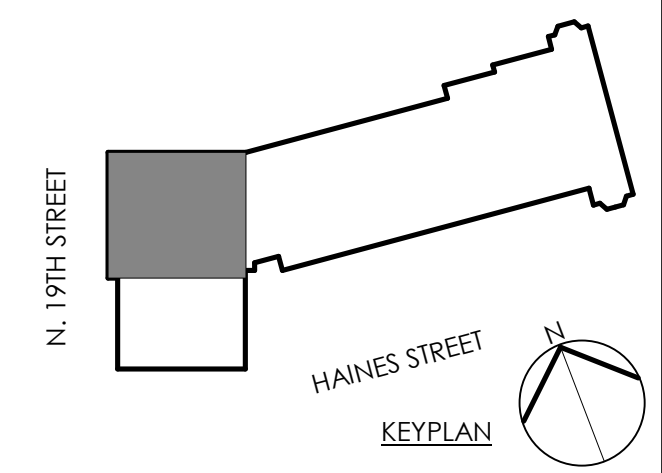
DRAWING SCALE  
**ELECTRICAL DEMOLITION ENLARGED PLAN**

DRAWING SCALE 1/4" = 1'-0"	
LOCATION NO. 7530	FILE NO. N/A
DRAWN BY FJR	CHECKED BY MPM
B-055(c) of 2018/2019	

DRAWING NO.  
**E-101**  
**SHEET 6 OF 8**



**1 ELECTRICAL DEMOLITION ENLARGED PLAN**  
SCALE: 1/4" = 1'-0"



Local File: BIM\_360/063694\_009 - SDP - Rowen Elementary School/063694\_M\_Central\_R19\_BIM360.rvt  
Central File: BIM360\_DW/063694\_M\_Central\_R19\_BIM360.rvt  
Project Number: N/A  
10/4/2019 8:30:14 PM



**KEYED NEW WORK NOTES**

- 1 EXTEND ALL EXISTING NORMAL-EMERGENCY, AND EMERGENCY ONLY BRANCH CIRCUITS TO NEW PANELBOARD 'EL'. WIRE SIZE TO MATCH EXISTING. MINIMUM SIZE IS 2 #12 AWG, 1 #12 AWG GROUND IN 3/4" EMT CONDUIT.
- 2 CLEAN EXISTING HOUSEKEEPING PAD AND EXTEND AS REQUIRED TO MATCH NEW GENERATOR FOOTPRINT.
- 3 NEW DUPLEX NEMA 5-20R SERVICE RECEPTACLE

**ADDENDUM #1**  
04 OCT 2019

NO.	DATE	REVISION
1	04 OCT 2019	ADDENDUM #1

NO.	DATE	REVISION
1	04 OCT 2019	ADDENDUM #1

SCHOOL & LOCATION  
**WILLIAM ROWEN ELEM. SCHOOL**  
6801 N. 19TH ST.  
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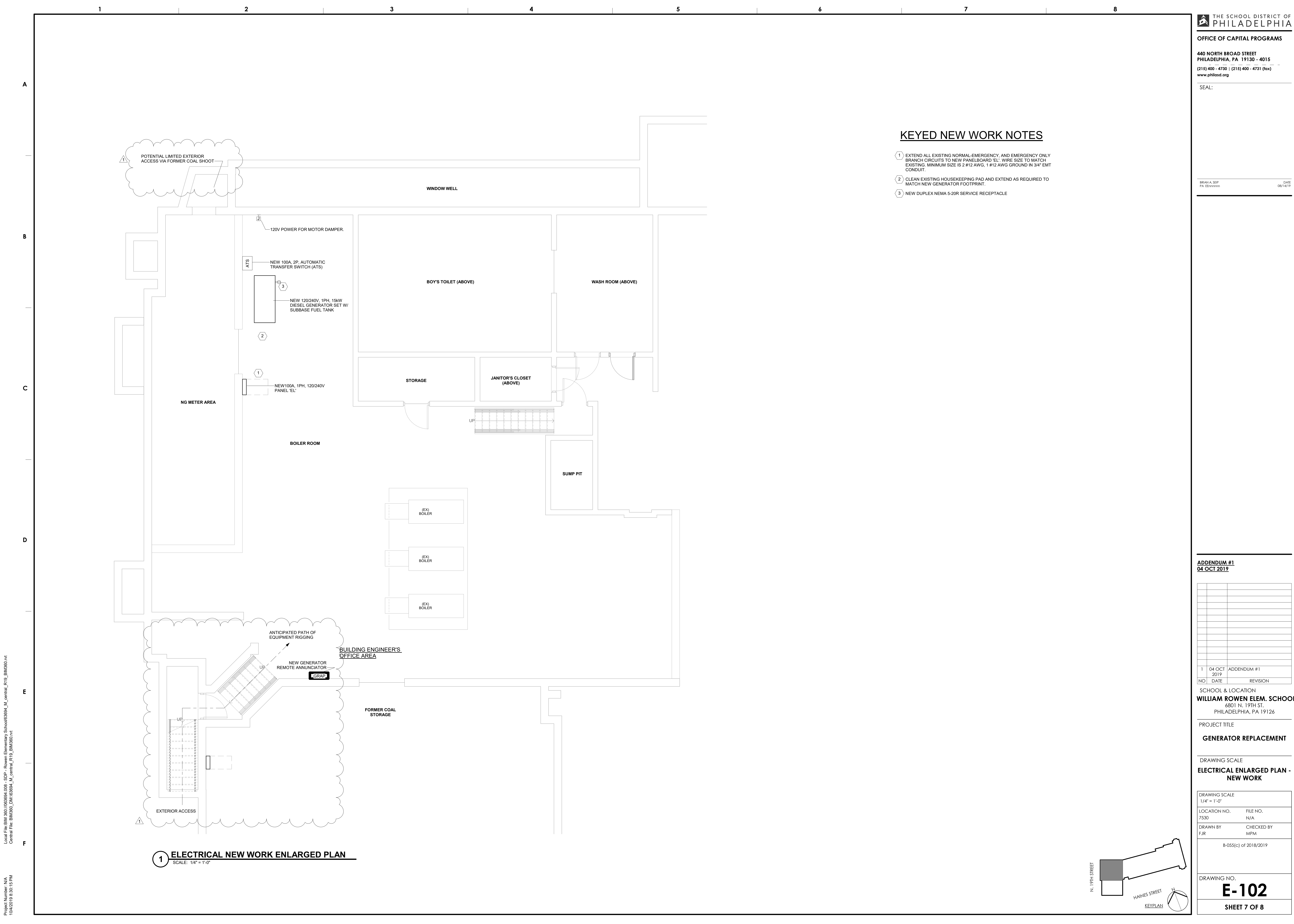
PROJECT TITLE

**GENERATOR REPLACEMENT**

DRAWING SCALE  
**ELECTRICAL ENLARGED PLAN - NEW WORK**

DRAWING SCALE 1/4" = 1'-0"	FILE NO. N/A
LOCATION NO. 7530	CHECKED BY MPM
DRAWN BY FJR	B-055(c) of 2018/2019

DRAWING NO.  
**E-102**  
SHEET 7 OF 8

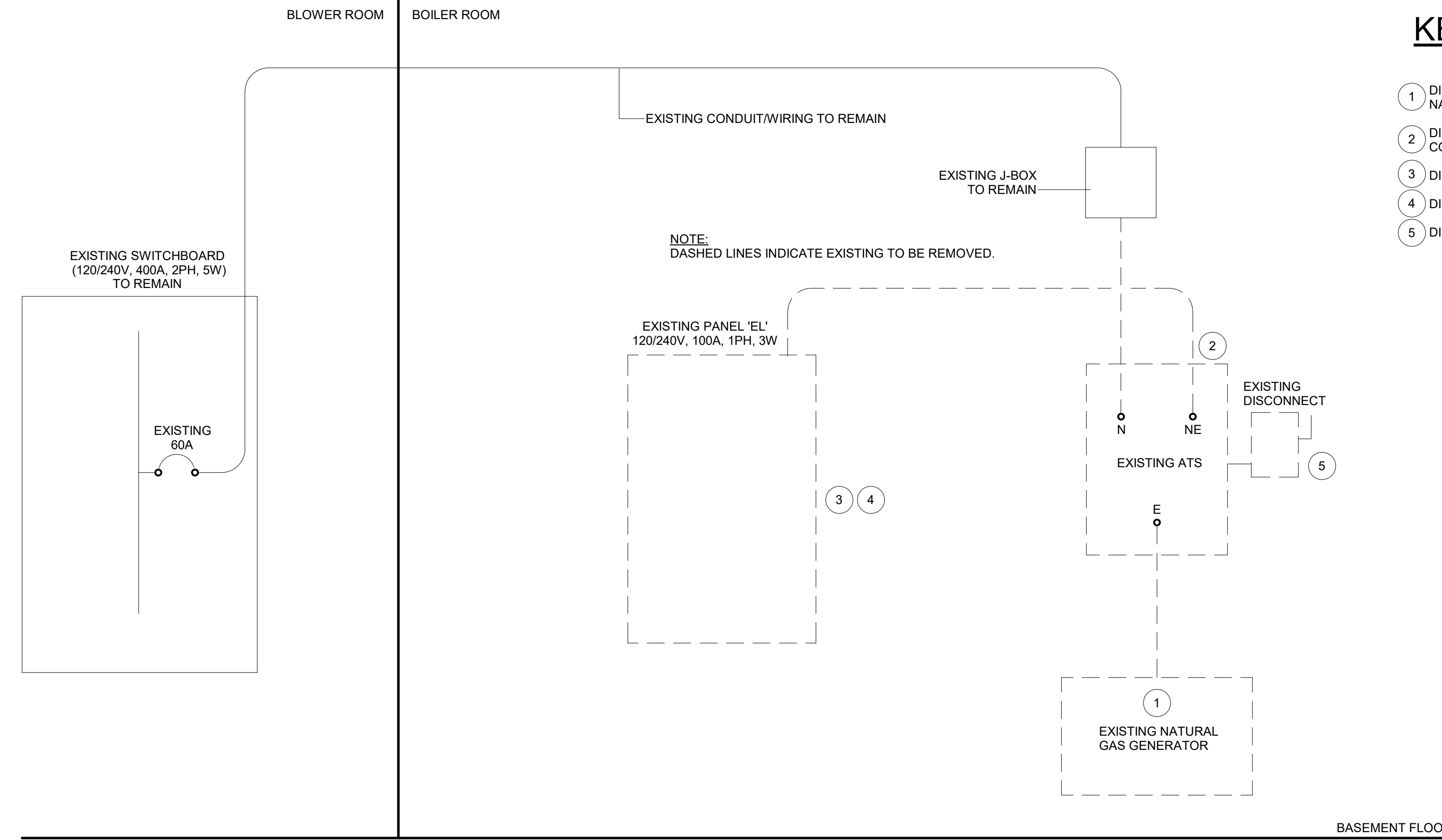


**1 ELECTRICAL NEW WORK ENLARGED PLAN**  
SCALE: 1/4" = 1'-0"

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 Central File: BM\360\_DM\063694\_M\_Central\_R19\_BM360.rvt  
 Project Number: N/A  
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KEYED DEMOLITION NOTES

- 1 DISCONNECT AND REMOVE EXISTING GENERATOR INCLUDING ALL NATURAL GAS PIPING, EXHAUST PIPING, WIRING AND CONDUIT.
2 DISCONNECT AND REMOVE EXISTING TRANSFER SWITCH AND ALL CONDUIT/WIRING.
3 DISCONNECT ALL EXISTING BRANCH CIRCUITS.
4 DISCONNECT AND REMOVE EXISTING PANEL 'EL'.
5 DISCONNECT AND REMOVE EXISTING DISCONNECT SWITCH.

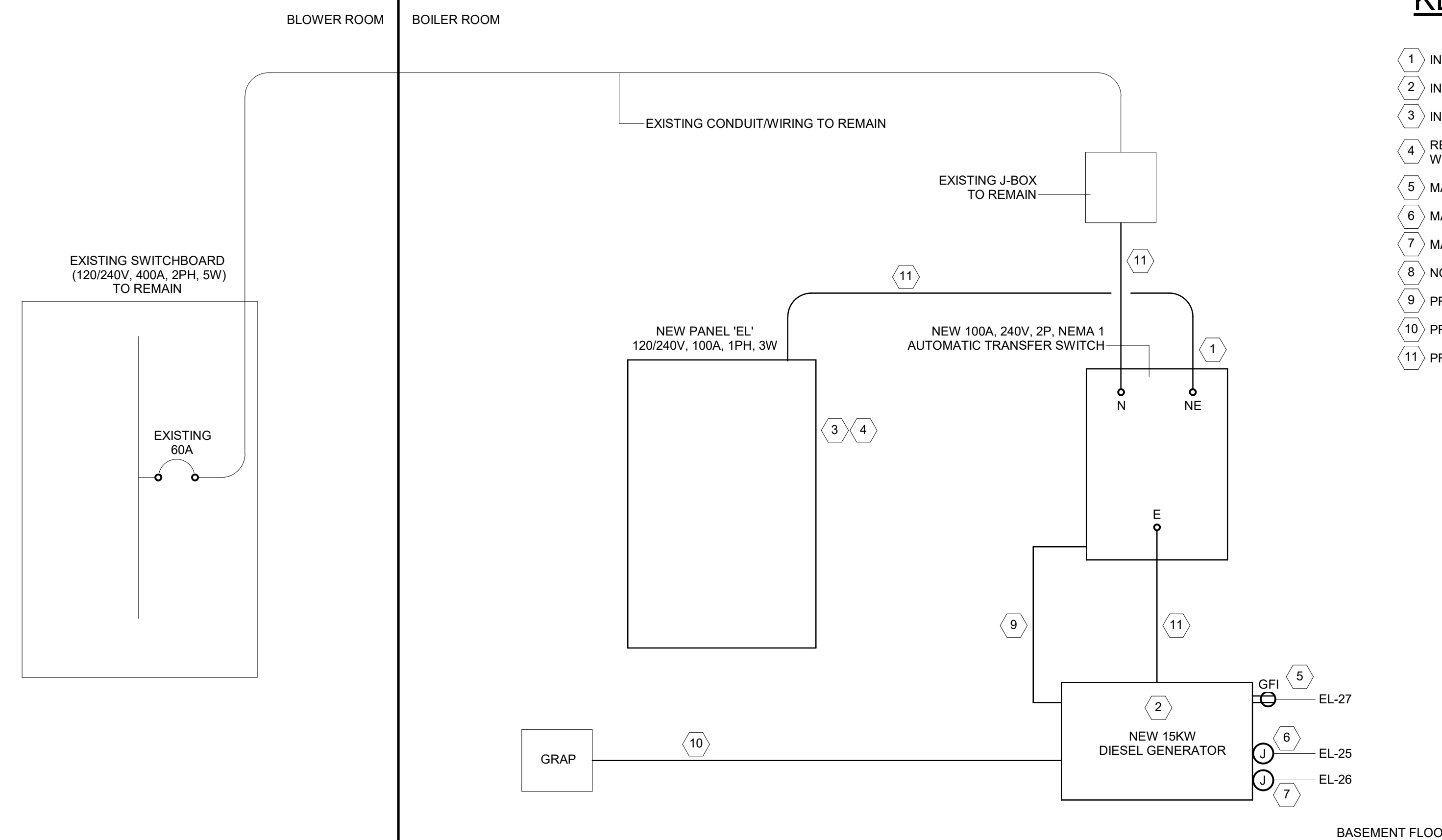


PARTIAL ONE-LINE DIAGRAM - DEMOLITION

SCALE: NTS

KEYED NEW WORK NOTES

- 1 INSTALL NEW 100A DIESEL GENERATOR.
2 INSTALL NEW 15KW DIESEL GENERATOR.
3 INSTALL NEW 100A SPLIT BUS PANELBOARD.
4 RECONNECT ALL EXISTING BRANCH CIRCUITS, EXTEND CONDUIT AND WIRING. PROVIDE 2 #12, 1 #12 AWG G IN 3/4" CONDUIT.
5 MAKE CONNECTION TO NEMA 5-20R RECEPTACLE.
6 MAKE CONNECTION TO BLOCK HEATER.
7 MAKE CONNECTION TO BATTERY CHARGER.
8 NOT USED.
9 PROVIDE & INSTALL 3/4" CONDUIT FOR COMMUNICATIONS CABLING.
10 PROVIDE & INSTALL 3/4" CONDUIT TO REMOTE ANNUNCIATOR.
11 PROVIDE 3 #3 AWG, 1 #8 AWG GROUND IN 1" CONDUIT.



PARTIAL ONE-LINE DIAGRAM - NEW WORK

SCALE: NTS

Table with columns: CIR. No., CIR. BKR., DESCRIPTION, WIRE, GROUND, CONDUIT, LOAD - KVA (FA, FB), and various notes regarding panel specifications and load details.

ADDENDUM #1 04 OCT 2019

Table with columns: NO., DATE, REVISION, detailing project changes.

SCHOOL & LOCATION WILLIAM ROWEN ELEM. SCHOOL 6801 N. 19TH ST. PHILADELPHIA, PA 19126

PROJECT TITLE GENERATOR REPLACEMENT

DRAWING SCALE ELECTRICAL ONE-LINE DIAGRAMS & SCHEDULES

DRAWING SCALE 12" = 1'-0" LOCATION NO. 7530 FILE NO. N/A DRAWN BY FJR CHECKED BY MFM

B-055(c) of 2018/2019

DRAWING NO. E-601 SHEET 8 OF 8