Addendum No. 2 October 31, 2024
Page 1

Notice to Prospective Bidders

MANCHESTER-BY-THE-SEA PUBLIC LIBRARY - GENERATOR PROJECT 15 UNION STREET MANCHESTER-BY-THE-SEA, MA 01944

The attention of bidders submitting bids for the above subject project is called to the following addendum to the specifications and drawings. The items set forth herein, whether of omission, addition, substitution, or clarifications are all to be included in and form a part of the bid submitted.

SECTION 1: GENERAL

1.01 REMINDER: Sealed bids for the General Contract will now be received at Manchester-by-the-Sea Town Hall, DPW Office – Room 6, 3RD Floor, 10 Central Street, Manchester-by-the-Sea, MA 01944, prior to 11:00 AM on November 13, 2024 after which time all bids will be opened and read aloud.

SECTION 2: QUESTIONS AND CLARIFCATIONS

- 2.01 Clarification: Plumbing Drawings that were notated on the Title Sheet of the Drawings were not included as part of the Bid Set. They are included as part of this addendum.
- 2.02 Clarification: Electrical Drawings have been updated to include the following:
 - A. The panel schedules have been updated to reflect single-phase service.
 - B. The ATS has been updated to reflect single-phase service.
 - C. We have updated the location of RGAP and the emergency power off button to more accurately reflect space in electrical room.

Please note that the full set of drawings can also be downloaded from our ShareFile Site at https://blwengineers.sharefile.com/d-s7a9a2b5f34e14adba5e6d35fcdc17ca5

MANCHESTER-BY-THE-SEA PUBLIC LIBRARY GENERATOR PROJECT

Town of Manchester-by-the-Sea 10 Central Street Manchester-by-the-Sea, MA 01944



DRAWING INDEX:

TS - TITLE SHEET

E-0.1 - LEGEND, SPECIFICATION, RISERS, PANEL SCHEDULES

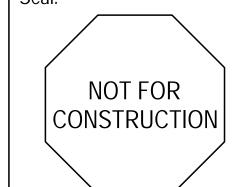
E-0.2 - DETAILS

E-1.0 - SITE PLAN/BASEMENT

P-0.1 - PLUMBING LEGEND, SPECIFICATION, AND DETAILS

P-1.0 - PLUMBING FLOOR PLAN

Sea





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BID DOCS

ADDENDUM #2 - Dwg Revs 10/30/24

Revision:

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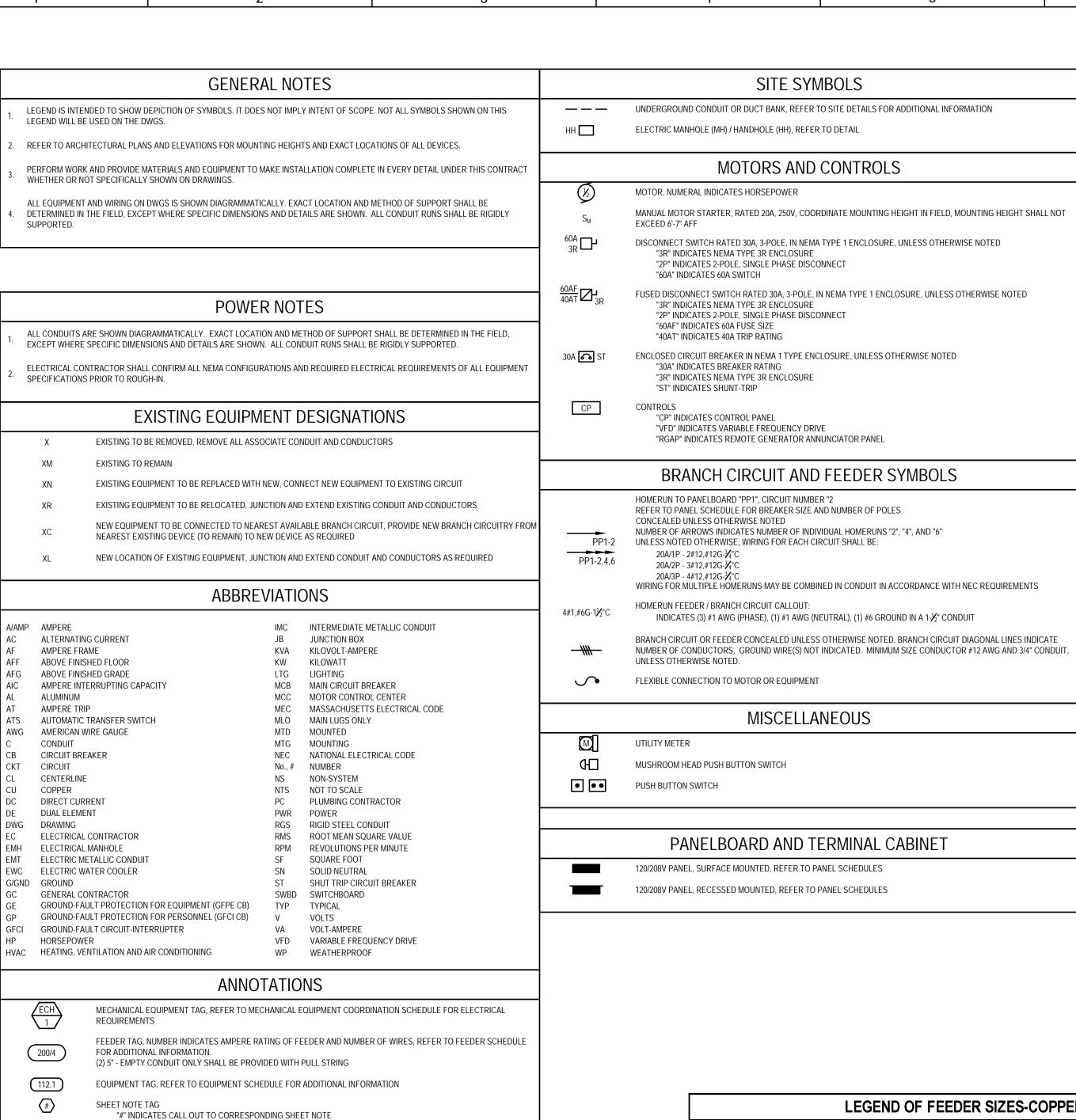
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Title:

TITLE SHEET

Drawing No.:

TS



REVISION TAG

DETAIL CALLOUT

"#" INDICATES THE DETAIL REFERENCE NUMBER

SECTION "A-A", REFER TO DUCTBANK OR CONDUIT SECTION DETAIL

"E101" INDICATES THE DRAWING ON WHICH THE DETAIL CAN BE FOUND

FEEDER SYMBOL	CONDUCTORS (1Ф OR 3Ф, 3W) WITH GROUND	RACEWAY SIZE	CONDUCTORS (3Φ, 4W) WITH GROUND	RACEWAY SIZE	NOMINAL AMPERE RATING	
60/3	3#6 & 1#10 GND	3/4"C			60	
60/4			4#6 & 1#10 GND 1"C			
100/3	3#3 & 1#8 GND	11/4"C		100		
100/4			4#3 & 1#8 GND 11/4"C		100	
125/3	3#1 & 1#6 GND	1¼"C		4#1 & 1#6 GND 1½"C		
125/4			4#1 & 1#6 GND			
150/3	3#1/0 & 1#6 GND	2"C			150	
150/4			4#1/0 & 1#6 GND	2"C		
200/3	3#3/0 & 1#6 GND	2"C			200	
200/4			4#3/0 & 1#6 GND	2"C		
225/3	3#4/0 & 1#4 GND	2"C	225		225	
225/4			4#4/0 & 1#4 GND	2½"C		
250/3	3-250kCMIL & 1#4 GND	2½"C	250		250	
250/4			4-250kCMIL & 1#4 GND	2½"C	7 250	
300/3	3-350kCMIL & 1#4 GND	3"C			300	
300/4			4-350kCMIL & 1#4 GND 3"C		300	
400/3	3-600kCMIL & 1#3 GND	3½"C			400	
400/4			4-600kCMIL & 1#3 GND 4"C		700	
500/3	6-250kCMIL & 2#2 GND	(2) 2½"C			500	
500/4			8-250kCMIL & 2#2 GND	(2) 2½"C		
600/3	6-350kCMIL & 2#1 GND	(2) 3"C	8-350kCMIL & 2#1 GND (2) 3"C		600	
600/4						
800/3	6-600kCMIL & 2#1/0 GND	(2) 4"C			800	
800/4			8-600kCMIL & 2#1/0 GND	(2) 4"C		
1000/3	9-400kCMIL & 3#2/0 GND	(3) 3"C	1000		1000	
1000/4			12-400kCMIL & 3#2/0 GND	(3) 3"C		
1200/3	9-600kCMIL & 3#3/0 GND	(3) 4"C	1200		1200	
1200/4			12-600kCMIL & 3#3/0 GND	(3) 4"C	1200	
1600/3	12-600kCMIL & 4#4/0 GND	(4) 4"C			1600	
1600/4			16-600kCMIL & 4#4/0 GND	16-600kCMIL & 4#4/0 GND (4) 4"C		
2000/3	15-600kCMIL & 5-250kCMIL GND	(5) 4"C			2000	
2000/4			20-600kCMIL & 5-250kCMIL GND (5) 4"C		2000	
2500/3	18-600kCMIL & 6-350kCMIL GND	(6) 4"C			2500	
2500/4			24-600kCMIL & 6-350kCMIL GND	(6) 4"C		
3000/3	24-600kCMIL & 8-400kCMIL GND	(8) 4"C			3000	
3000/4			32-600kCMIL & 8-400kCMIL GND	(8) 4"C		
3500/3	24-700kCMIL & 8-500kCMIL GND	(8) 4"C			3500	
3500/4			32-700kCMIL & 8-500kCMIL GND	(8) 4"C		
4000/3	24-750kCMIL & 8-500kCMIL GND			4000 (NOTE 3)		
4000/4			32-750kCMIL & 8-500kCMIL GND	(8) 4"C	1 -000 (11012 0)	

ES:

- 1. ALL FEEDERS GREATER THAN 150 FEET IN LENGTH SHALL INCREASE TO THE NEXT AVAILABLE FEEDER TO ACCOMMODATE FOR VOLTAGE DROP.
- 2. SERVICE FEEDERS FROM UTILTIY TRANSFORMER TO SERVICE ENTRANCE EQUIPMENT SHALL NOT REQUIRE GROUND CONDUCTOR 3. 4000A SERVICE FEEDERS FROM UTILTIY TRANSFORMER TO SERVICE ENTRANCE EQUIPMENT SHALL BE 90 DEGREE RATED.

240V. 1Ø ATS NEMA 3R RATED NEW NATURAL GAS GENERATOR HEATER 4 E-0.2 FIRST FLOOF EXISTING UTILITY FEED TO REMAIN **EXISTING** SECONDARY BREAKER ELECTRICAL ELECTRICAL PANEL PANEL WIREWAY BASEMENT

CONNECTED TO THE NORMAL-FEEDER LUGS.

NEW WORK POWER RISER DIAGRAM

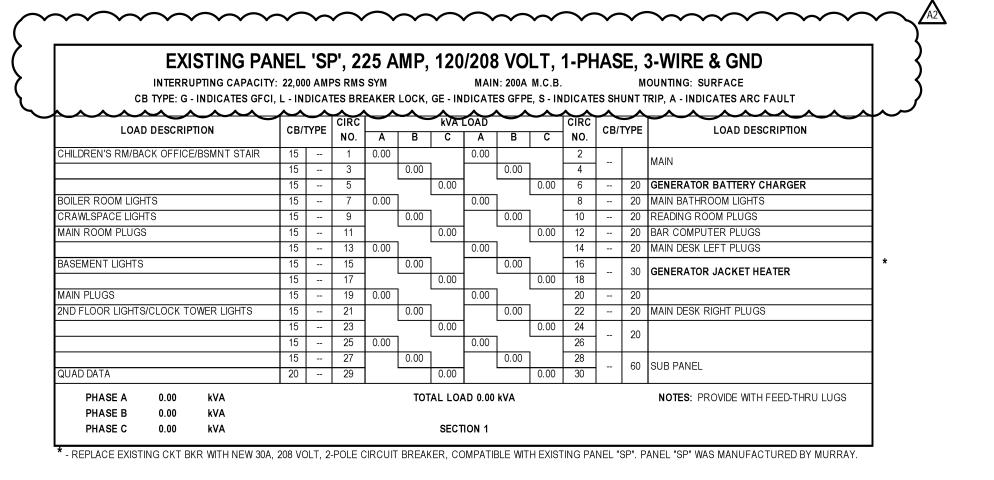
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- * CONTRACTOR SHALL COORDINATE ALL NECESSARY SHUTDOWNS WITH OWNER AND IF NECESSARY, WITH UTILITY COMPANY
- 1. PROVIDE APPROPRIATE WIRING PER GENERATOR MANUFACTURER'S RECOMMENDATION AND CIRCUIT TO AVAILABLE BREAKER OR
- NEW CIRCUIT BREAKER IN SECONDARY ELECTRICAL PANEL FOR GENERATOR JACKET HEATER AND BATTERY CHARGER.

 2. SAME CONDUIT MAY BE USED TO CARRY CONDUCTORS FOR GENERATOR JACKET HEATER AND BATTERY CHARGER AS WELL AS EMERGENCY POWER OFF BUTTON AND REMOTE GENERATOR ANNUNCIATOR PANEL. APPROPRIATE CONDUCTORS SHALL BE USED AS SPECIFIED BY EQUIPMENT MANUFACTURERS. ALL CONDUCTOR INSULATION SHALL BE RATED FOR THE HIGHEST VOLTAGE OF THE VARIOUS CIRCUITS.
- 3. ELECTRICAL CONTRACTOR TO COORDINATE LOCATION OF GENERATOR REMOTE ANNUNCIATOR WITH OWNER'S REPRESENTATIVE AND ENGINEER PRIOR TO ROUGHING IN BRANCH CIRCUITRY
- 4. GENERATOR REMOTE EMERGENCY POWER OFF (EPO) PUSH BUTTON. COORDINATE EXACT LOCATION NEAR EXISTING SWITCHGEAR WITH OWNER'S REPRESENTATIVE. PROVIDE CLEAR LABELING TO INDICATE USE
- 5. ELECTRICAL CONTRACTOR SHALL CONFIRM EXISTING BRANCH CIRCUITRY, IN FIELD, AND MATCH WIRE SIZE ACCORDINGLY
- 50 KW / 63KVA, 120/240 VOLT NATURAL GAS GENERATOR WITH WEATHERPROOF, LEVEL 2 SOUND ATTENUATED ENCLOSURE BY GENERAC, MODEL NO. SG050NA, ALTERNATOR MODEL NO. A0060044N21 OR EQUAL.
- GENERAC, MODEL NO. SG050NA, ALTERNATOR MODEL NO. A0060044N21 OR EQUAL.

 7. THE EXISTING 200AMP SERVICE FEEDER SHALL BE TAPPED AND NEW CONDUCTORS PROVIDED TO THE PROPOSED ATS AND

EXISTING PANEL 'MP', 225 AMP, 120/208 VOLT, 1-PHASE, 3-WIRE & GND INTERRUPTING CAPACITY: 22,000 AMPS RMS SYM MAIN: 200A M.C.B. MOUNTING: SURFACE CB TYPE: G - INDICATES GFCI, L - INDICATES BREAKER LOCK, GE - INDICATES GFPE, S - INDICATES SHUNT TRIP, A - INDICATES ARC FAULT CIRC WA LOAD CIRC CB/TYPE NO. A B C A B C NO. CB/TYPE LOAD DESCRIPTION 0.00 0.00 4 - 150 ???? AIR HANDLER - ATTIC 7 0.00 0.00 8 - 20 ??? 0.00 ATTIC EXHAUST FAN 0.00 | 10 | -- | 20 | PIRE ALARMI 0.00 | 12 | -- | 20 | NEW DUPLEX REC IN LOUNGE 0.00 | 14 | -- | 20 | NEW DUPLEX REC IN LOUNGE CLOCK IN REF ROOM - WALL SCONCES ATTIC GFI PLUG 0.00 16 - 20 COMPUTER DESK OUTLETS BOILER LEAD 0.00 18 - 20 FLOOR OUTLETS BOILER 2 0.00 20 -- 20 FLOOR OUTLETS SYSTEM PUMPS 0.00 0.00 22 -- 15 STACK LIGHTS AIR COMPRESSOR - TRANE YARD AIR COMPRESSOR - #1 YARD 0.00 28 -- 15 LIGHT CONTROL - CHANDALIER 0.00 30 -- 15 LIGHT CONTROL - PADDLE FANS AIR COMPRESSOR - #2 YARD 0.00 | 32 | -- | 15 | LIGHT CONTROL 0.00 34 -- 15 OUTDOOR FRONT AND DOOR 0.00 AIR COMPRESSOR - ROOF/CHILDREN'S ROOM 0.00 36 -- 15 SIGN AND BACK DOOR LIGHT 35 AIR COMPRESSOR - ROOF 0.00 40 -- 15 STACK OUTLETS PHASE A 0.00 kVA TOTAL LOAD 0.00 kVA NOTES: PROVIDE WITH FEED-THRU LUGS PHASE B 0.00 kVA SECTION 1 PHASE C 0.00 kVA



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10/4/24

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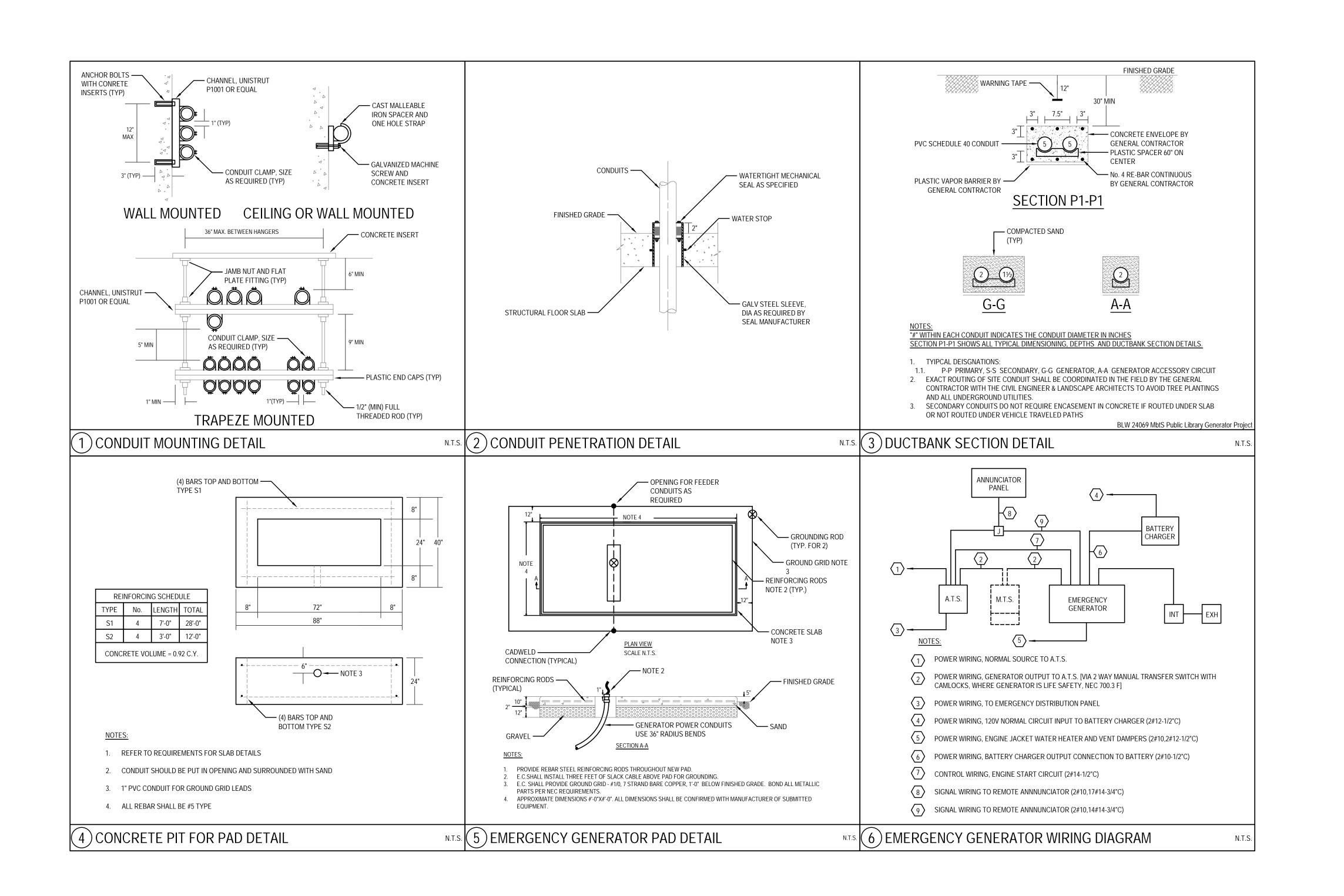
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SPECIFICATION, RISERS, PANEL SCHEDULES

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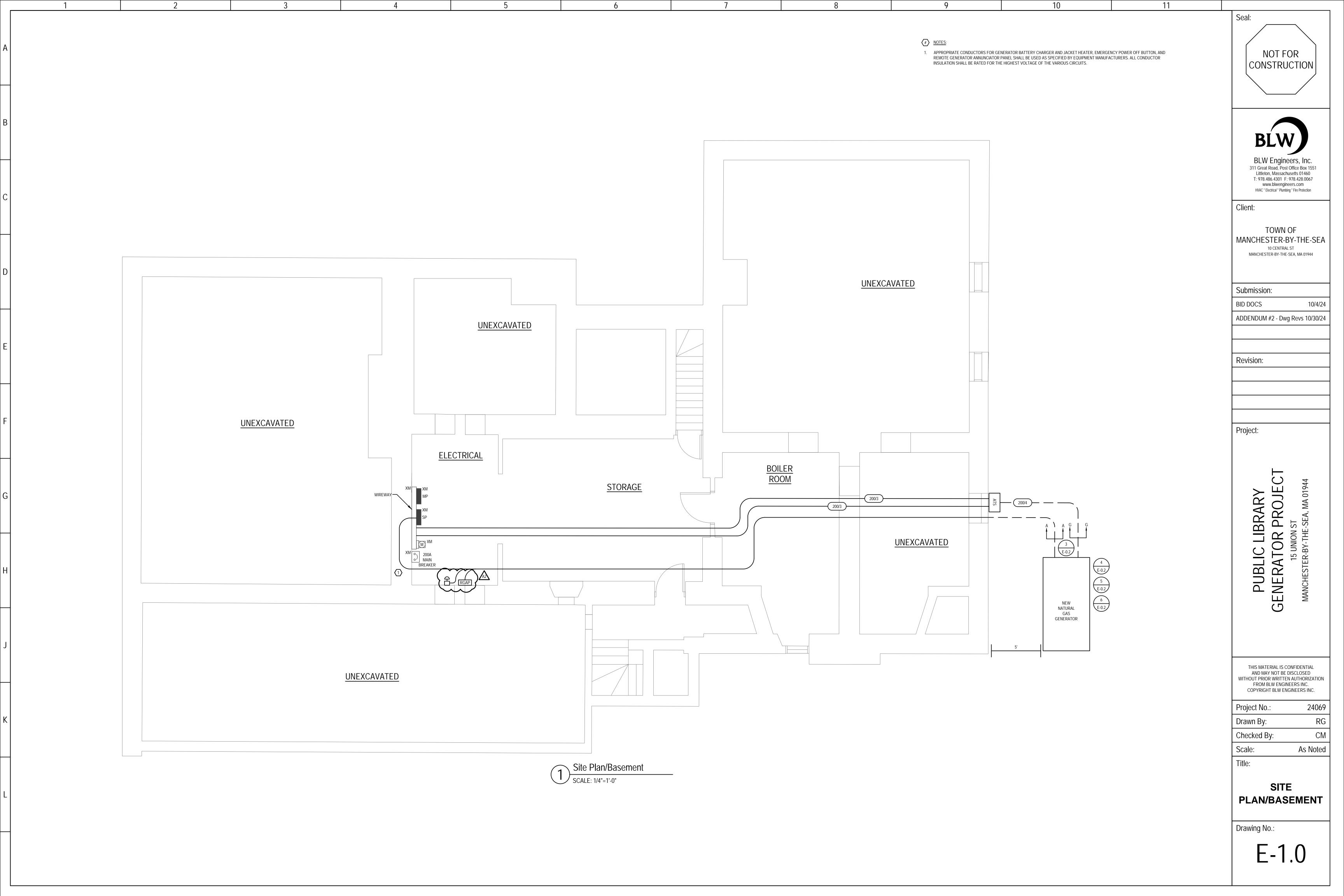
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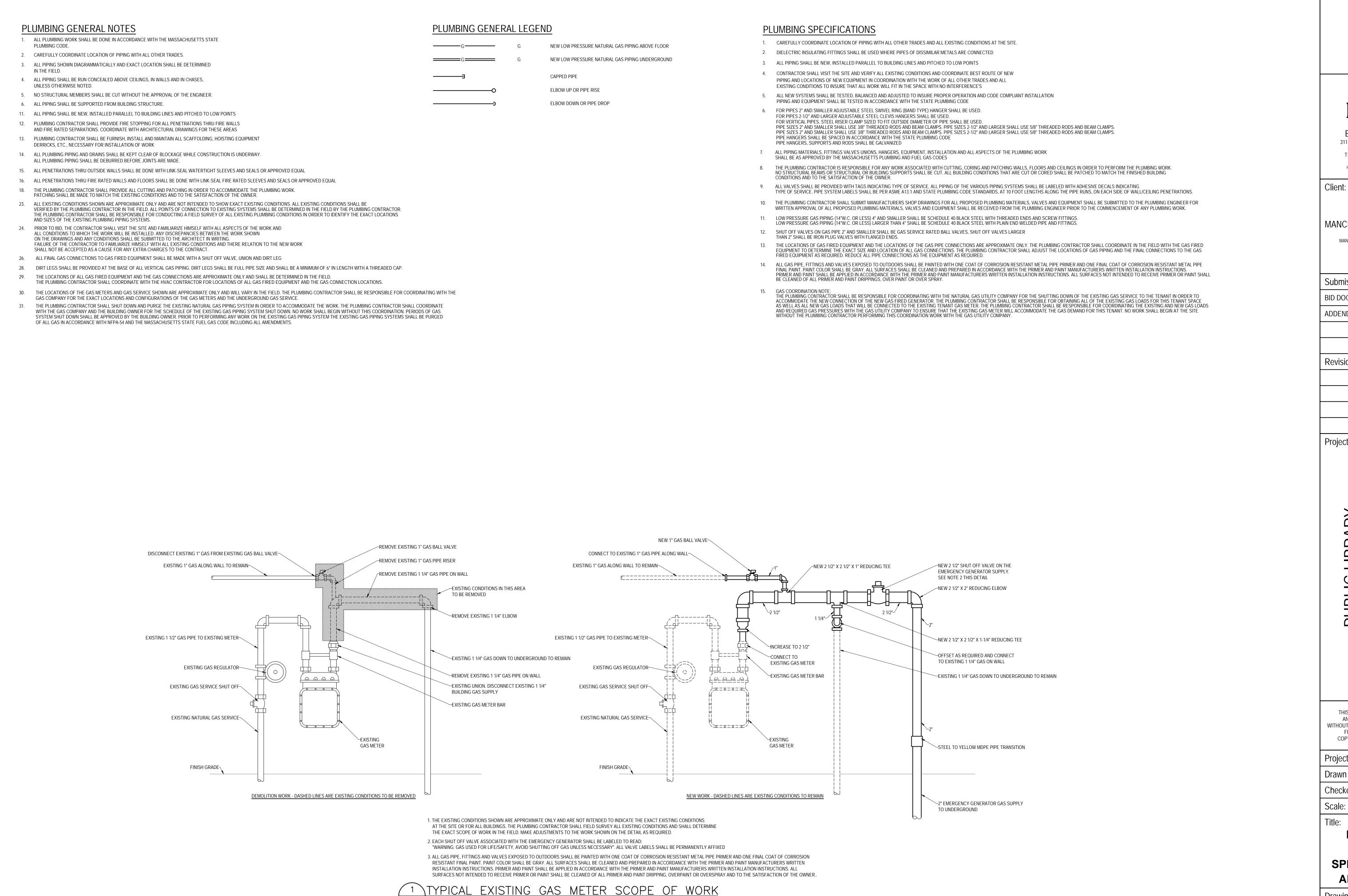
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> **PLUMBING** LEGEND, **SPECIFICATION AND DETAILS**

Drawing No.:

