Trumbull Nelson
19 Plaza Heights
West Lebanon, New Hampshire 03784
P: (603) 643-3658

Project: 424C01 Cornish Library & Community Center
226 NH-120
Cornish Flat, New Hampshire 03746

RFI #19: Additional MDP In Basement

Revision	0	**Status**	Closed on 01/14/26
To	Ingrid Nichols (Banwell Architects) *(Response Required)* Richard Parks (WV Engineering Associates, PA) *(Response Required)* Lisa Eldridge (WV Engineering Associates, PA) *(Response Required)*	**From**	Ian Drennan (Trumbull-Nelson Construction Company Inc.) 19 Plaza Heights Road West Lebanon, New Hampshire 03784
Date Initiated	Jan 7, 2026	**Due Date**	Jan 9, 2026
Location		**Project Stage**	
Cost Impact	No	**Schedule Impact**	TBD
Spec Section		**Cost Code**	
Drawing Number		**Reference**	
Linked Drawings			
Received From	John Brooks (Alliance Group Services, LLC)		
Copies To	Tom Daniels (Banwell Architects), Lisa Eldridge (WV Engineering Associates, PA), Ingrid Nichols (Banwell Architects), Richard Parks (WV Engineering Associates, PA), Spiros Tzilianos (Trumbull-Nelson Construction Company Inc.)		

Activity

Question

Question from Ian Drennan Trumbull-Nelson Construction Company Inc. *on Wednesday, Jan 7, 2026 at 09:34 AM EST*

WV, please review the following RFI and advise. We are requesting an expedited return (by Friday 1/9/26).

Per Alliance Electrical:

We need to add an additional panel (MDP2) next to MDP 1 because the gear that was spec'd and submitted on will not fit within the height constraints of the smaller basement, original gear package included MDP1 with an 76" tub. the proposed new equipment would be two 72"x20" panel tubs to allow us to move the smaller loads from MDP1 over to MDP2 and keep the larger loads in MDP1 allowing us to use smaller tubs and fit the equipment in the proposed space.

Attachments
Additional MDP In Basement.pdf

Awaiting an Official Response

All Replies

Response from Richard Parks WV Engineering Associates, PA *on Monday, Jan 12, 2026 at 08:56 AM EST*

See the submitted response from Lisa Eldridge

Response from Lisa Eldridge WV Engineering Associates, PA *on Friday, Jan 9, 2026 at 02:29 PM EST*

RFI#19 Response

Attachments
23121.Ltr.L03 RFI 19 .pdf

WV ENGINEERING ASSOCIATES, PA

DRIVEN BY DESIGN

January 9, 2026

Ms. Ingrid Moulton Nichols
Banwell Architects
The Carriage House
6 South Park Street
Lebanon, NH 03766

Re: **Cornish Public Library**
Cornish Flat, New Hampshire
RFI #19
WVA Project No. 23121

Dear Ingrid:

In response to RFI regarding the panel clearance space within the basement, we offer the following. We understand that the 76" tall panel MDP is too large to fit within the basement, and it has been proposed replacing the design panel with a 72" double tub panel and reorganizing the circuits within. This proposed solution is acceptable, and we find no issue with this change.

Sincerely,

WV Engineering Associates, PA



Shaun M. Taft

Question

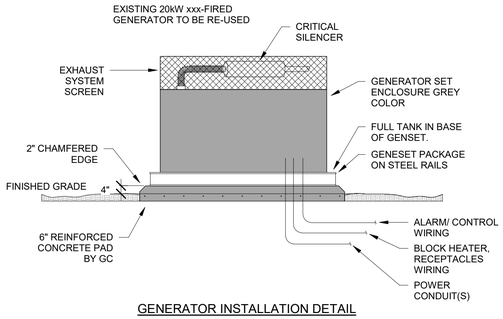
Question from John Brooks Alliance Group Services, LLC *on Wednesday, Jan 7, 2026 at 08:43 AM EST*

we need to add an additional panel (MDP2) next to MDP 1 because the gear that was spec'd and submitted on will not fit within the height constraints of the smaller basement, original gear package included MDP1 with an 76" tub. the proposed new equipment would be two 72"x20" panel tubs to allow us to move the smaller loads from MDP1 over to MDP2 and keep the larger loads in MDP1 allowing us to use smaller tubs and fit the equipment in the proposed space

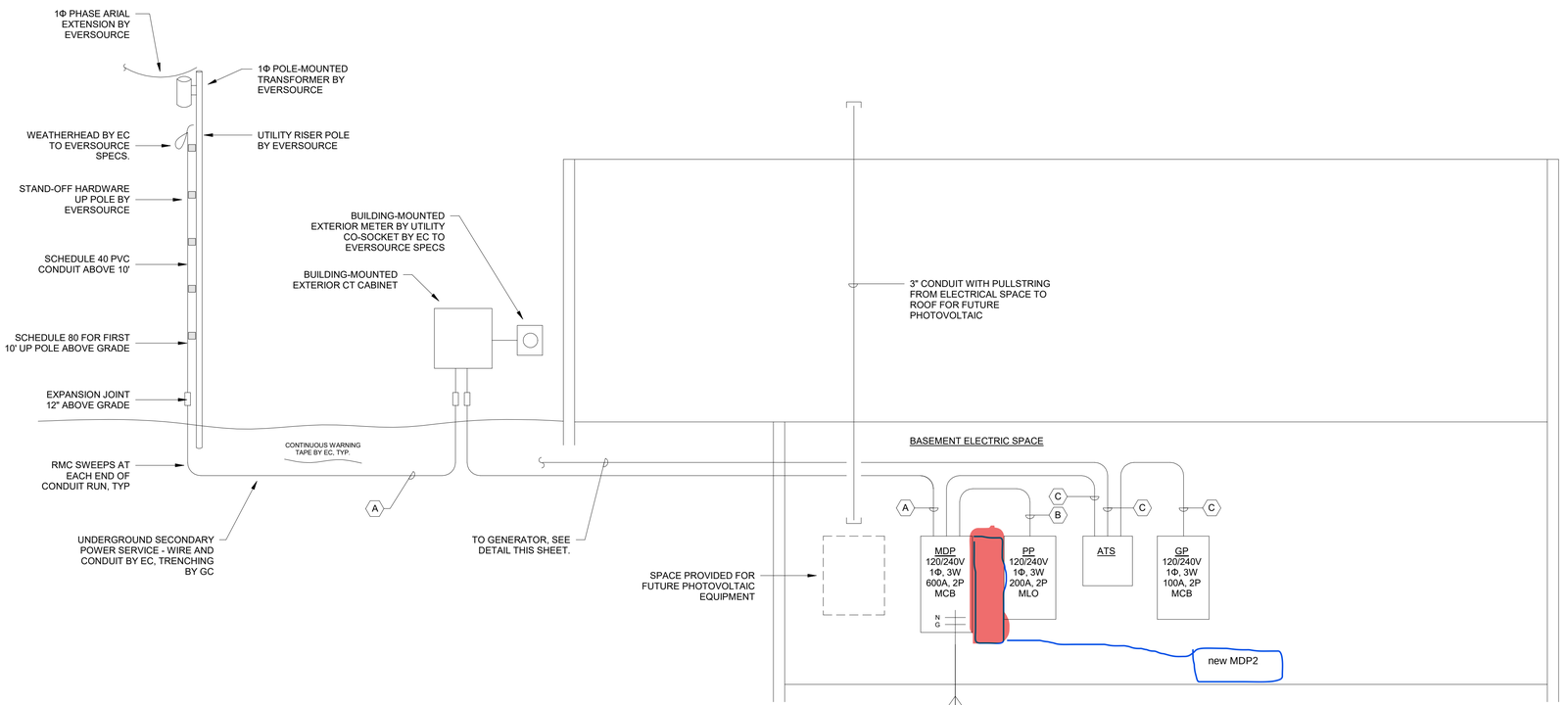
Refer to markup on following page.

FEEDER SCHEDULE

A	600A	COPPER:	(2) PARALLEL SETS OF (4) 350 MCM, EACH IN 3" C
		ALUMINUM:	(2) PARALLEL SETS OF (4) 500 MCM, EACH IN 4" C
B	200A	COPPER:	(4) 3/0, (1) #6 G, 2" C
		ALUMINUM:	(4) 250 MCM, (1) #4 G, 3" C
C	100A	COPPER:	(4) #1, (1) #8 G, 1-1/2" C



GENERATOR INSTALLATION DETAIL
NOT TO SCALE



ELECTRICAL POWER RISER DIAGRAM
NOT TO SCALE

NOTE:
GC TO STUB OUT REBAR AT LOCATION OF SERVICE ENTRANCE QUIPMENT FOR GROUNDING CONNECTION BY EC

PANEL: MDP VOLTAGE: 120/240V PHASE: 1 MAIN: 600 A MLO: ☐ MCB: X

TYPE: PANELBOARD: X LOADCENTER: ☐ PLUG IN: ☐ BOLT ON: X FAULT RATING:

LOCATION: BASEMENT 001 MOUNTING: Surface

DIRECTORY	TRIP	CKT	A		B		CKT	TRIP	DIRECTORY
PP	200 A/2	1	12975	10100			2	125 A/2	MUA-1
--	--	3			13459	10100	4	--	--
GP	200 A/2	5	30134	4000			6	50 A/2	(ST) 112 KITCHEN RANGE
--	--	7			27665	4000	8	--	--
HUMIDIFIER H-1	40 A/2	9	3750	4000			10	50 A/2	(ST) 112 KITCHEN RANGE
--	--	11			3750	4000	12	--	--
HUMIDIFIER H-2	20 A/2	13	1850	4750			14	50 A/2	109 JAN. CL. DWH-1
--	--	15			1850	4750	16	--	--
HUMIDIFIER H-3	20 A/2	17	1850	4750			18	50 A/2	112 KITCH. DWH-2
--	--	19			1850	4750	20	--	--
ERV-1	20 A/2	21	320	4750			22	50 A/2	112 KITCHEN DWH-3
--	--	23			320	4750	24	--	--
ERV-2	20 A/2	25	750	1750			26	20 A/2	107 LAV. DWH-A
--	--	27			750	1750	28	--	--
(BL) FIRE ALARM CONTROL PANEL	20 A/1	29	500	1750			30	20 A/2	108 LAV. DWH-A
SPARE	20 A/1	31			0	1750	32	--	--
SPARE	20 A/1	33	0	1750			34	20 A/2	111 MEETING DWH-A
SPARE	20 A/1	35			0	1750	36	--	--
SPARE	20 A/1	37	0	0			38	20 A/1	SPARE
SPARE	20 A/1	39			0	0	40	20 A/1	SPARE
SPARE	20 A/1	41	0	0			42	20 A/1	SPARE

CONNECTED LOAD		74519 VA	72017 VA
DEMAND LOAD	70%	52163 VA	50412 VA
TOTAL DEMAND LOAD		94431 VA	

NOTES:
(ST) SHUNT TRIP BREAKER
(BL) BREAKER LOCK KIT
(GF) GROUND FAULT CIRCUIT INTERUPT BREAKER

PANEL: PP VOLTAGE: 120/240V PHASE: 1 MAIN: 200 A MLO: X MCB: ☐

TYPE: PANELBOARD: X LOADCENTER: ☐ PLUG IN: ☐ BOLT ON: X FAULT RATING:

LOCATION: BASEMENT 001 MOUNTING: Surface

DIRECTORY	TRIP	CKT	A		B		CKT	TRIP	DIRECTORY
103 ART RECEPTACLES	20 A/1	1	900	500			2	20 A/1	DEHUMIDIFIER DH-1
101 ENTRY & 102 CHILD RECEPTACLES	20 A/1	3			1440	500	4	20 A/1	DEHUMIDIFIER DH-2
104 CIRCULATION RECEPTACLES	20 A/1	5	540	500			6	20 A/1	DEHUMIDIFIER DH-3
104 CIRCULATION COFFEE RECEPTACLES	20 A/1	7			360	1080	8	20 A/1	001 BSMT RECEPTACLES
104 CIRCULATION REFRIGERATOR	20 A/1	9	1000	1080			10	20 A/1	002 BSMT RECEPTACLES
105 STACKS RECEPTACLES	20 A/1	11			720	360	12	20 A/1	201 MEZZ. RECEPTACLES
105 COMPUTER RECEPTACLES	20 A/1	13	720	180			14	20 A/1	ATTIC RECEPTACLE
105 LIBRARY RECEPTACLES	20 A/1	15			1080	180	16	20 A/1	EXTERIOR RECEPTACLE
106 OFFICE RECEPTACLES	20 A/1	17	540	1500			18	20 A/1	GENERATOR BLOCK HEATER
107/108 LAV. & 109 JAN. RECEPTACLES	20 A/1	19			1360	180	20	20 A/1	GENERATOR RECEPTACLE
111 MEETING RECEPTACLES	20 A/1	21	900	756			22	20 A/1	BASEMENT LIGHTING
111 MEETING RECEPTACLES	20 A/1	23			900	1299	24	20 A/1	STACKS LIGHTING
111 MEETING FLOOR RECEPTACLES	20 A/1	25	720	1323			26	20 A/1	KITCH / MP RM LIGHTING
111 MEETING CTR RECEPTACLES	20 A/1	27			720	1080	28	20 A/1	CHANDELIER LIGHTING "a"
112 KITCHEN CTR RECEPTACLES	20 A/1	29	900	0			30	20 A/1	MEZZ. / CLOUD RECESSED CAN LIGHTING "b"
112 KITCHEN CTR RECEPTACLES	20 A/1	31			720	200	32	20 A/1	CEILING FANS "c"
112 MICROWAVE	20 A/1	33	180	336			34	20 A/1	ATTIC LIGHTING
115 HALL DRINKING FOUNTAIN	20 A/1	35			1000	280	36	20 A/1	EXT. BLDG. MTD. LIGHTING
BLANK	/1	37	--	500			38	20 A/1	FUTURE SITE LIGHTING
BLANK	/1	39			--	0	40	20 A/1	SPARE
BLANK	/1	41	--	0			42	20 A/1	SPARE

CONNECTED LOAD		12975 VA	13459 VA
DEMAND LOAD	70%	9083 VA	9421 VA
TOTAL DEMAND LOAD		15848 VA	

(ST) SHUNT TRIP BREAKER
(BL) BREAKER LOCK KIT
(GF) GROUND FAULT CIRCUIT INTERUPT BREAKER

PANEL: GP VOLTAGE: 120/240V PHASE: 1 MAIN: 100 A MLO: ☐ MCB: X

TYPE: PANELBOARD: X LOADCENTER: ☐ PLUG IN: ☐ BOLT ON: X FAULT RATING:

LOCATION: BASEMENT 001 MOUNTING: Surface

DIRECTORY	TRIP	CKT	A		B		CKT	TRIP	DIRECTORY
ASHP-1 MODULE #1	50 A/2	1	4512	1500			2	20 A/2	001 BSMT UH-A
--	--	3			4512	1500	4	--	--
ASHP-2 MODULE #2	50 A/2	5	4512	1500			6	20 A/2	001 BSMT UH-A
--	--	7			4512	1500	8	--	--
ASHP-3	40 A/2	9	3535	1500			10	20 A/2	002 BSMT UH-A
--	--	11			3535	1500	12	--	--
HEATING COIL HC-1	20 A/2	13	1000	1500			14	20 A/2	002 BSMT UH-A
--	--	15			1000	1500	16	--	--
HEATING COIL HC-2	40 A/2	17	4000	1500			18	20 A/1	101 ENTRY CUH-1
--	--	19			4000	500	20	20 A/1	114 STAIR CUH-A
BRANCH BOX AND EVAPORATORS	30 A/2	21	1600	500			22	20 A/1	STAIR CUH-A
--	--	23			1600	1000	24	20 A/1	(GF) 112 KITCHEN REFRIGERATOR
EX. WELL PUMP	20 A/2	25	500	360			26	20 A/1	TELE / DATA BACKBOARD RECEPTACLE
--	--	27			500	360	28	20 A/1	TELE / DATA BACKBOARD RECEPTACLE
EX. SEPTIC TANK PUMP	30 A/1	29	2500	0			30	20 A/1	SPARE
SUMP PUMP SP-1	20 A/1	31			500	0	32	20 A/1	SPARE
SUMP PUMP SP-2	20 A/1	33	500	0			34	20 A/1	SPARE
SUMP PUMP SP-3	20 A/1	35			500	0	36	20 A/1	SPARE
SPARE	20 A/1	37	0	0			38	20 A/1	SPARE
SPARE	20 A/1	39			0	0	40	20 A/1	SPARE
SPARE	20 A/1	41	0	0			42	20 A/1	SPARE

CONNECTED LOAD		30134 VA	27665 VA
DEMAND LOAD	70%	21093 VA	19366 VA
TOTAL DEMAND LOAD		40458 VA	

(ST) SHUNT TRIP BREAKER
(BL) BREAKER LOCK KIT
(GF) GROUND FAULT CIRCUIT INTERUPT BREAKER

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VITAL INFORMATION REQUIRED FOR THE SUCCESSFUL COMPLETION OF THE WORK IS CONTAINED IN THE PROJECT MANUAL PREPARED FOR THIS PROJECT.

STATE OF NEW HAMPSHIRE
RICHARD A. WATTERS
LICENSED PROFESSIONAL ENGINEER

REVISION	DATE	COMMENTS

KEY PLAN & NORTH ARROW:

PROJECT:
CORNISH LIBRARY & COMMUNITY CENTER
226 NH-120
CORNISH FLAT, NH 03746

ISSUED:
CONSTRUCTION DOCUMENTS

DRAWING TITLE:
ELECTRICAL POWER RISER & PANEL SCHEDULES

PROJECT NO: 23121 DATE: 6/24/24

SHEET NUMBER:
E-12

6/18/2025 2:04:00 PM C:\Users\jparks\Documents\23121 MEP_rparkxNSZ3D.rvt