RED HOOK
CAPITAL PARTNERS

2120 E. Grand Avenue, Suite 135
El Segundo, CA 90245
(323) 217-4828

DATE: **August 30, 2021**

TO: **Prospective Bidders**

FROM: **Hugo Garcia, Project Manager**

SUBJECT: **Addendum No. 9**
RFP, Real Journey Academy – Fontana Charter School

This Addendum modifies and forms a part of the Request for Proposal (RFP) issued July 23, 2021 for the above-referenced project. Bidders shall acknowledge receipt of this Addendum in the cover letter.

This Addendum No. 9 provides response to the following RFI:

The new switchgear plans have some panels without schedules and some schedules for panels that don't appear on SLD: There are no schedules for panels H1S, H1L, H2L or H3L, all of which are shown on SLD. There are panel schedules for panels L1K, L1L, L2L & L3L, all of which do not appear on SLD. Please advise. Also, panel schedules for panels L3M & H3M show 2 and 3 pole breakers in single pole spaces. Please advise if you want single pole breakers or the two/three pole breakers that are shown.

See attached for response.

END OF ADDENDUM NO. 9

RED HOOK CAPITAL PARTNERS

PRE-BID CLARIFICATION FORM

Real Journey Academy - Fontana

PROJECT NAME:	Real Journey Academy – Fontana Charter School		
TO:	Hugo Garcia Xavier Adrian Alex Lucero	EMAIL:	hgarcia@redhookcap.com xavier@ac-6architects.com a.lucero@realjourney.org

DATE:	8/27/2021		
FROM:	Tovey/Shultz Construction, Inc.	EMAIL:	agray@toveyshultz.com
DOCUMENT/DIVISION NUMBER:		DRAWING NUMBER:	

REQUESTED CLARIFICATION:

56. The new switchgear plans have some panels without schedules and some schedules for panels that don't appear on SLD:
There are no schedules for panels H1S, H1L, H2L or H3L, all of which are shown on SLD. There are panel schedules for panels L1K, L1L, L2L & L3L, all of which do not appear on SLD. Please advise. Also, panel schedules for panels L3M & H3M show 2 and 3 pole breakers in single pole spaces. Please advise if you want single pole breakers or the two/three pole breakers that are shown.

RESPONSE TO CLARIFICATION:

Panels did not automatically update.

See attached panel schedules for L1K, H1L, H2L, H3L, H1S, INV1, INV2, and INV3.
These replace L1L, L2L, L3L, INV1, INV2, and INV3.

Panels L3M and H3M are distribution panels because of the quantity of breakers. It is anticipated that these two panels will be of a distribution board style and not a panel board style. The 2-pole and 3-pole breakers are correct.

Attach additional numbered sheets as necessary; however, only one (1) request shall be contained on each submitted form.

PANEL ID:	H1L	NEW
LOCATION:		
MAIN:	LUGS ONLY	
BUS AMPS	225	
MOUNTING:	SURFACE	
AIC RATING	30,000	MINIMUM

FEEDER/SYSTEM	
FED FROM:	LDB
FEEDER OCP	AMPS
SYSTEM:	480 /277V, 3-PH, 4W
MFR:	_ _ _

LOAD TYPES

blank or **NON**: NON-CONTINUOUS
LCL: LONG-CONTINUOUS
REC :DEMANDABLE RECEPT'S
KIT: KITCHEN **PNL**: SUB-FED PNL
UNIT: RESID. UNIT **MTR**: MOTOR

CKT	DESCRIPTION	LOAD TYPE	BKR	LOAD (VA) PH. A	LOAD (VA) PH.B	LOAD (VA) PH.C	BKR	LOAD TYPE	DESCRIPTION	CKT
1	LIGHTING CLASSRM, CORR, OFFICES	LCL	20/1	1300	1678		20/1	LCL	LTG LITCHEN, BTHRMS, CORRIDOR	2
3	LIGHTING MAKER, CULINARY	LCL	20/1		1370	3115	20/1	LCL	LTG OFFICES, TEACHERS, CONF RM	4
5	LIGHTING SPORTS 134	LCL	20/1			1600	20/1	LCL	LOBBY LED TAPE LIGHT	6
7	SPARE		20/1				20/1		SPARE	8
9	SPARE		20/1				20/1		SPARE	10
11	SPARE		20/1				20/1		SPARE	12
13	SPARE		20/1				20/1		SPARE	14
15	SPARE		20/1				20/1		SPARE	16
17	SPARE		20/1				20/1		SPARE	18
19	LIGHTING INVERTER INV1	PNL	50/	1473			20/1		SPARE	20
21	- - -	PNL	/		1338		20/1		SPARE	22
23	- - -	PNL	/3			1262	20/1		SPARE	24
25	PANEL H2L	PNL	40/	3402	4480		40/	PNL	PANEL H3L	26
27	- - -	PNL	/		1860	2034	/	PNL	- - -	28
29	- - -	PNL	/3			2507	/3	PNL	- - -	30

	CONNECTED VA	DEMAND VA	PH A	PH B	PH C	
GEN'L LOAD:	0	0	12333	9717	7473	CONNECTED LOAD PER PHASE
LONG CONTIN.:	29523	36904	29523			TOTAL CONNECTED LOAD (VA)
GEN'L RECEPT:	0	0		36		AMPS OF TOTAL CONNECTED LOAD
MOTOR LOAD:	0	+25% OF LARGEST	36904			TOTAL DEMAND VA (BALANCED)
KITCHEN LOAD:	0	0		56		HIGH PHASE AMPS/LCL

PHASE BALANCE

	PH. A-B	PH.B-C	PH.C-A
CONNECTED	21.2%	23.1%	39.4%
DEMAND	21.2%	23.1%	39.4%

PANEL NOTES:

PANEL ID:	H1S	NEW
LOCATION:		
MAIN:	LUGS ONLY	
BUS AMPS	100	
MOUNTING:	SURFACE	
AIC RATING	30,000	MINIMUM

FEEDER/SYSTEM	
FED FROM:	LDB
FEEDER OCP	100 AMPS
SYSTEM:	480 /277V, 3-PH, 4W
MFR:	_ _ _

LOAD TYPES

blank or **NON**: NON-CONTINUOUS
LCL: LONG-CONTINUOUS
REC :DEMANDABLE RECEPT'S
KIT: KITCHEN **PNL**: SUB-FED PNL
UNIT: RESID. UNIT **MTR**: MOTOR

CKT	DESCRIPTION	LOAD TYPE	BKR	LOAD (VA) PH. A	LOAD (VA) PH.B	LOAD (VA) PH.C	BKR	LOAD TYPE	DESCRIPTION	CKT
1	SITE POLE LIGHTS	LCL	20/1	1050	450		20/1	LCL	SITE WALL LIGHTS	2
3	SPARE		20/1				20/1		SPARE	4
5	SPARE		20/1				20/1		SPARE	6
7	SPARE		20/1				20/1		SPARE	8
9	SPARE		20/1				20/1		SPARE	10
11	SPARE		20/1				20/1		SPARE	12
13	SPARE		20/1				20/1		SPARE	14
15	SPARE		20/1				20/1		SPARE	16
17	SPARE		20/1				20/1		SPARE	18
19	BUSSED SPACE								BUSSED SPACE	20
21	BUSSED SPACE								BUSSED SPACE	22
23	BUSSED SPACE								BUSSED SPACE	24
25	BUSSED SPACE								BUSSED SPACE	26
27	BUSSED SPACE								BUSSED SPACE	28
29	BUSSED SPACE								BUSSED SPACE	30

	CONNECTED VA	DEMAND VA
GEN'L LOAD:	0	0
LONG CONTIN.:	1500	1875
GEN'L RECEPT:	0	0
MOTOR LOAD:	0	+25% OF LARGEST
KITCHEN LOAD:	0	0

PH A	PH B	PH C	
1500	0	0	CONNECTED LOAD PER PHASE
1500			TOTAL CONNECTED LOAD (VA)
	2		AMPS OF TOTAL CONNECTED LOAD
1875			TOTAL DEMAND VA (BALANCED)
	7		HIGH PHASE AMPS/LCL

PHASE BALANCE

	PH. A-B	PH.B-C	PH.C-A
CONNECTED	100.0%	0.0%	100.0%
DEMAND	100.0%	0.0%	100.0%

PANEL NOTES:

PANEL ID:	H2L	NEW
LOCATION:		
MAIN:	LUGS ONLY	
BUS AMPS	100	
MOUNTING:	SURFACE	
AIC RATING	14,000	MINIMUM

FEEDER/SYSTEM	
FED FROM:	L1L
FEEDER OCP	40 AMPS
SYSTEM:	480 /277V, 3-PH, 4W
MFR:	_ _ _

LOAD TYPES

blank or **NON**: NON-CONTINUOUS
LCL: LONG-CONTINUOUS
REC :DEMANDABLE RECEPT'S
KIT: KITCHEN **PNL**: SUB-FED PNL
UNIT: RESID. UNIT **MTR**: MOTOR

CKT	DESCRIPTION	LOAD TYPE	BKR	LOAD (VA) PH. A	LOAD (VA) PH.B	LOAD (VA) PH.C	BKR	LOAD TYPE	DESCRIPTION	CKT
1	LTG CLASS 213,215	LCL	20/1	1020	1218		20/1	LCL	LTG CLASS 207, CORR	2
3	LITG CLASS 209,211	LCL	20/1		840	1020	20/1	LCL	LTG CLASS 202,203	4
5	LTG CLASS 212,214	LCL	20/1			1020	1487	20/1	LCL	LTG MAKER 201, BTHRMS	6
7	LTG CLASS 208,210	LCL	20/1	1020	144		20/1	LCL	LTG UPPER ATRIUM 122	8
9	SPARE		20/1				20/1		SPARE	10
11	SPARE		20/1				20/1		SPARE	12
13	SPARE		20/1				20/1		SPARE	14
15	SPARE		20/1				20/1		SPARE	16
17	SPARE		20/1				20/1		SPARE	18
19	SPARE		20/1				20/1		SPARE	20
21	SPARE		20/1				20/1		SPARE	22
23	SPARE		20/1				20/1		SPARE	24
25	SPARE		20/1				20/1		SPARE	26
27	SPARE		20/1				20/1		SPARE	28
29	SPARE		20/1				20/1		SPARE	30

	CONNECTED VA	DEMAND VA
GEN'L LOAD:	0	0
LONG CONTIN.:	7769	9711
GEN'L RECEPT:	0	0
MOTOR LOAD:	0	+25% OF LARGEST
KITCHEN LOAD:	0	0

PH A	PH B	PH C	
3402	1860	2507	CONNECTED LOAD PER PHASE
7769			TOTAL CONNECTED LOAD (VA)
	9		AMPS OF TOTAL CONNECTED LOAD
9711			TOTAL DEMAND VA (BALANCED)
	15		HIGH PHASE AMPS/LCL

PHASE BALANCE

	PH. A-B	PH.B-C	PH.C-A
CONNECTED	45.3%	25.8%	26.3%
DEMAND	45.3%	25.8%	26.3%

PANEL NOTES:

PANEL ID:	H3L	NEW
LOCATION:		
MAIN:	LUGS ONLY	
BUS AMPS	100	
MOUNTING:	SURFACE	
AIC RATING	14,000	MINIMUM

FEEDER/SYSTEM	
FED FROM:	H1L
FEEDER OCP	40 AMPS
SYSTEM:	480 /277V, 3-PH, 4W
MFR:	_ _ _

LOAD TYPES

blank or **NON**: NON-CONTINUOUS
LCL: LONG-CONTINUOUS
REC :DEMANDABLE RECEPT'S
KIT: KITCHEN **PNL**: SUB-FED PNL
UNIT: RESID. UNIT **MTR**: MOTOR

CKT	DESCRIPTION	LOAD TYPE	BKR	LOAD (VA) PH. A	LOAD (VA) PH.B	LOAD (VA) PH.C	BKR	LOAD TYPE	DESCRIPTION	CKT
1	LTG CLASS 322,324	LCL	20/1	1020	1020		20/1	LCL	LTG CLASS 302,304	2
3	LTG CLASS 318,320	LCL	20/1		1194	840	20/1	LCL	LTG CLASS 301,303	4
5	LTG CLASS 321,323	LCL	20/1			1020	20/1	LCL	LTG CLASS 308, CORRIDOR, BTHRMS	6
7	LTG CLASS 317,319	LCL	20/1	1020	1420		20/1	LCL	LTG OFFICES, TEACHERS AREA	8
9	SPARE		20/1				20/1		SPARE	10
11	SPARE		20/1				20/1		SPARE	12
13	SPARE		20/1				20/1		SPARE	14
15	SPARE		20/1				20/1		SPARE	16
17	SPARE		20/1				20/1		SPARE	18
19	SPARE		20/1				20/1		SPARE	20
21	SPARE		20/1				20/1		SPARE	22
23	SPARE		20/1				20/1		SPARE	24
25	SPARE		20/1				20/1		SPARE	26
27	SPARE		20/1				20/1		SPARE	28
29	SPARE		20/1				20/1		SPARE	30

	CONNECTED VA	DEMAND VA
GEN'L LOAD:	0	0
LONG CONTIN.:	8618	10773
GEN'L RECEPT:	0	0
MOTOR LOAD:	0	+25% OF LARGEST
KITCHEN LOAD:	0	0

PH A	PH B	PH C	
4480	2034	2104	CONNECTED LOAD PER PHASE
8618			TOTAL CONNECTED LOAD (VA)
	10		AMPS OF TOTAL CONNECTED LOAD
10773			TOTAL DEMAND VA (BALANCED)
	20		HIGH PHASE AMPS/LCL

PHASE BALANCE

	PH. A-B	PH.B-C	PH.C-A
CONNECTED	54.6%	3.3%	53.0%
DEMAND	54.6%	3.3%	53.0%

PANEL NOTES:

PANEL ID:	INV1	NEW
LOCATION:	ELECT/IT 1ST FLOOR	
MAIN:	LUGS ONLY	
BUS AMPS	225	
MOUNTING:	SURFACE	
AIC RATING	22,000	MINIMUM

FEEDER/SYSTEM

FED FROM:
FEEDER OCP 50 AMPS
SYSTEM: 480 /277V, 3-PH, 4W
MFR: _ _ _

LOAD TYPES

blank or **NON**: NON-CONTINUOUS
LCL: LONG-CONTINUOUS
REC :DEMANDABLE RECEPT'S
KIT: KITCHEN **PNL**: SUB-FED PNL
UNIT: RESID. UNIT **MTR**: MOTOR

CKT	DESCRIPTION	LOAD TYPE	BKR	LOAD (VA) PH. A	LOAD (VA) PH.B	LOAD (VA) PH.C	BKR	LOAD TYPE	DESCRIPTION	CKT
1	EMERG LTG 1ST FLOOR	LCL	20/1	1473	0		20/	PNL	PANEL INV3	2
3	EMERG LTG 1ST FLOOR	LCL	20/1		0		/	PNL	- - -	4
5	EMERG LTG 1ST FLOOR	LCL	20/1			1262	/3	PNL	- - -	6
7	PANEL INV2	PNL	20/	0					BUSSED SPACE	8
9	- - -	PNL	/		1338				BUSSED SPACE	10
11	- - -	PNL	/3			0			BUSSED SPACE	12

	CONNECTED VA	DEMAND VA
GEN'L LOAD:	0	0
LONG CONTIN.:	4073	5091
GEN'L RECEPT:	0	0
MOTOR LOAD:	0	+25% OF LARGEST
KITCHEN LOAD:	0	0

PH A	PH B	PH C	
1473	1338	1262	CONNECTED LOAD PER PHASE
4073			TOTAL CONNECTED LOAD (VA)
	5		AMPS OF TOTAL CONNECTED LOAD
5091			TOTAL DEMAND VA (BALANCED)
	7		HIGH PHASE AMPS/LCL

PHASE BALANCE

	PH. A-B	PH.B-C	PH.C-A
CONNECTED	9.2%	5.7%	14.3%
DEMAND	9.2%	5.7%	14.3%

PANEL NOTES:

PANEL ID:	INV2	NEW
LOCATION:	ELECT/IT 1ST FLOOR	
MAIN:	LUGS ONLY	
BUS AMPS	225	
MOUNTING:	SURFACE	
AIC RATING	10,000	MINIMUM

FEEDER/SYSTEM	
FED FROM:	INV1
FEEDER OCP	20 AMPS
SYSTEM:	480 /277V, 3-PH, 4W
MFR:	_ _ _

LOAD TYPES

blank or **NON**: NON-CONTINUOUS
LCL: LONG-CONTINUOUS
REC :DEMANDABLE RECEPT'S
KIT: KITCHEN **PNL**: SUB-FED PNL
UNIT: RESID. UNIT **MTR**: MOTOR

CKT	DESCRIPTION	LOAD TYPE	BKR	LOAD (VA) PH. A	LOAD (VA) PH.B	LOAD (VA) PH.C	BKR	LOAD TYPE	DESCRIPTION	CKT
1	EMERG LTG 2ND FLOOR	LCL	20/1						BUSSED SPACE	2
3	EMERG LTG 2ND FLOOR	LCL	20/1		1338				BUSSED SPACE	4
5	EMERG LTG 2ND FLOOR	LCL	20/1						BUSSED SPACE	6
7	BUSSED SPACE								BUSSED SPACE	8
9	BUSSED SPACE								BUSSED SPACE	10
11	BUSSED SPACE								BUSSED SPACE	12

	CONNECTED VA	DEMAND VA	PH A	PH B	PH C	
GEN'L LOAD:	0	0	0	1338	0	CONNECTED LOAD PER PHASE
LONG CONTIN.:	1338	1673		1338		TOTAL CONNECTED LOAD (VA)
GEN'L RECEPT:	0	0		2		AMPS OF TOTAL CONNECTED LOAD
MOTOR LOAD:	0	+25% OF LARGEST		1673		TOTAL DEMAND VA (BALANCED)
KITCHEN LOAD:	0	0		6		HIGH PHASE AMPS/LCL

PHASE BALANCE

	PH. A-B	PH.B-C	PH.C-A
CONNECTED	100.0%	100.0%	0.0%
DEMAND	100.0%	100.0%	0.0%

PANEL NOTES:

PANEL ID:	INV3	NEW
LOCATION:	ELECT/IT 1ST FLOOR	
MAIN:	LUGS ONLY	
BUS AMPS	225	
MOUNTING:	SURFACE	
AIC RATING	10,000	MINIMUM

FEEDER/SYSTEM	
FED FROM:	INV1
FEEDER OCP	20 AMPS
SYSTEM:	480 /277V, 3-PH, 4W
MFR:	_ _ _

LOAD TYPES

blank or **NON**: NON-CONTINUOUS
LCL: LONG-CONTINUOUS
REC :DEMANDABLE RECEPT'S
KIT: KITCHEN **PNL**: SUB-FED PNL
UNIT: RESID. UNIT **MTR**: MOTOR

CKT	DESCRIPTION	LOAD TYPE	BKR	LOAD (VA) PH. A	LOAD (VA) PH.B	LOAD (VA) PH.C	BKR	LOAD TYPE	DESCRIPTION	CKT
1	EMERG LTG 3RD FLOOR	LCL	20/1						BUSSED SPACE	2
3	EMERG LTG 3RD FLOOR	LCL	20/1						BUSSED SPACE	4
5	EMERG LTG 3RD FLOOR	LCL	20/1			1262			BUSSED SPACE	6
7	BUSSED SPACE								BUSSED SPACE	8
9	BUSSED SPACE								BUSSED SPACE	10
11	BUSSED SPACE								BUSSED SPACE	12

	CONNECTED VA	DEMAND VA	PH A	PH B	PH C	
GEN'L LOAD:	0	0	0	0	1262	CONNECTED LOAD PER PHASE
LONG CONTIN.:	1262	1578		1262		TOTAL CONNECTED LOAD (VA)
GEN'L RECEPT:	0	0		2		AMPS OF TOTAL CONNECTED LOAD
MOTOR LOAD:	0	+25% OF LARGEST		1578		TOTAL DEMAND VA (BALANCED)
KITCHEN LOAD:	0	0		6		HIGH PHASE AMPS/LCL

PHASE BALANCE

	PH. A-B	PH.B-C	PH.C-A
CONNECTED	0.0%	100.0%	100.0%
DEMAND	0.0%	100.0%	100.0%

PANEL NOTES:

PANEL ID:	L1K	NEW
LOCATION:	KITCHEN	
MAIN:	200A/3P M.C.B.	
BUS AMPS	225	
MOUNTING:	RECESSED	
AIC RATING	10,000	MINIMUM

FEEDER/SYSTEM	
FED FROM:	XFMR L1K
FEEDER OCP	200 AMPS
SYSTEM:	208 /120V, 3-PH, 4W
MFR:	_ _ _

LOAD TYPES

blank or **NON**: NON-CONTINUOUS
LCL: LONG-CONTINUOUS
REC :DEMANDABLE RECEPT'S
KIT: KITCHEN **PNL**: SUB-FED PNL
UNIT: RESID. UNIT **MTR**: MOTOR

CKT	DESCRIPTION	LOAD TYPE	BKR	LOAD (VA) PH. A	LOAD (VA) PH.B	LOAD (VA) PH.C	BKR	LOAD TYPE	DESCRIPTION	CKT
1	BUSSED SPACE								BUSSED SPACE	2
3	BUSSED SPACE								BUSSED SPACE	4
5	BUSSED SPACE								BUSSED SPACE	6
7	BUSSED SPACE								BUSSED SPACE	8
9	BUSSED SPACE								BUSSED SPACE	10
11	BUSSED SPACE								BUSSED SPACE	12
13	BUSSED SPACE								BUSSED SPACE	14
15	BUSSED SPACE								BUSSED SPACE	16
17	BUSSED SPACE								BUSSED SPACE	18
19	BUSSED SPACE								BUSSED SPACE	20
21	BUSSED SPACE								BUSSED SPACE	22
23	BUSSED SPACE								BUSSED SPACE	24
25	BUSSED SPACE								BUSSED SPACE	26
27	BUSSED SPACE								BUSSED SPACE	28
29	BUSSED SPACE								BUSSED SPACE	30
31	BUSSED SPACE								BUSSED SPACE	32
33	BUSSED SPACE								BUSSED SPACE	34
35	BUSSED SPACE								BUSSED SPACE	36
37	BUSSED SPACE								BUSSED SPACE	38
39	BUSSED SPACE								BUSSED SPACE	40
41	BUSSED SPACE								BUSSED SPACE	42

	CONNECTED VA	DEMAND VA
GEN'L LOAD:	0	0
LONG CONTIN.:	0	0
GEN'L RECEPT:	0	0
MOTOR LOAD:	0	+25% OF LARGEST
KITCHEN LOAD:	0	0

PH A	PH B	PH C	
0	0	0	CONNECTED LOAD PER PHASE
0			TOTAL CONNECTED LOAD (VA)
	0		AMPS OF TOTAL CONNECTED LOAD
0			TOTAL DEMAND VA (BALANCED)
	0		HIGH PHASE AMPS/LCL

PHASE BALANCE

	PH. A-B	PH.B-C	PH.C-A
CONNECTED	0.0%	0.0%	0.0%
DEMAND	0.0%	0.0%	0.0%

PANEL NOTES: