15 July, 2020

Addendum 6

Renovations to 210 Turner Street Carteret County Administration Office Beaufort, NC

The following addendum shall supersede previous information and does hereby become part of the contract documents.

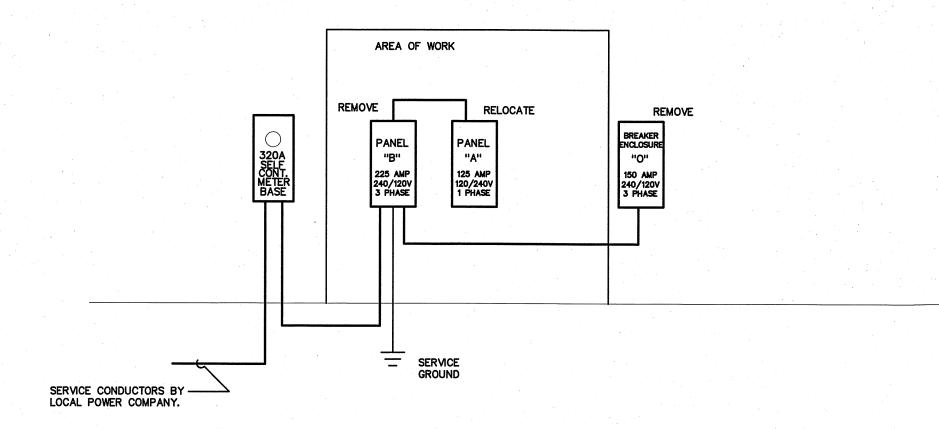
- Clarification: See attached revised sheet clarifying the electrical service riser.
 - E-5 Panels and Risers

End of Addendum 6.

EXISTING PANEL— 'A'	MAKE: TYPE:	SIEMENS S1 PANEL	M	OUNTIN	120/240 1 G: FLUSH AIC: VERIF		<u>3</u> WRE	EQUIPMENT	GROUN	uit Breaker ND BusXYES □NO ATED □□YES ☑NO
LOAD	CKT		R PHASE	CKT	NEUTRAL	CKT	WATTS F	PER PHASE	CKT	LOAD
SERVICE	BRKR	Α	В	NO	A B	NO.	A	В	BRKR	SERVICE
LIGHTS OVER INFOTRAC	20A			1 1		2			30A	STAFF REST ROOM
LIGHTS OVER COUNTER STACKS	20A			3		4			20A	LIGHTS CENTER STACKS
RECEPTS	20A			5		6		:	20A	NC L CASE LIGHTS
FRONT DESK AREA	20A			7	\cap	8			20A	AUDITORIUM LIGHTS
CHILDREN ROOM	20A			9		10			20A	PEEP COMPUTER
READING ROOM	20A			11		12		<u> </u>	20A	FRONT DESK AREA
LIGHTS	20A			13	\cap	.14			20A	PUBLIC OPACS - IN COLUMNS
COPIER MACHINE	20A			15	\cap	16			20A	BOOK THEFT DETECTION
SPARE	20A			17		18			20A	RECEPTACLES
TIME CLOCK CLOSET	20A			19		20			20A	WORK ROOM RECEPTACLES
?	20A			21	\sim	22			20A	RECEPTACLES
WATER COOLER	20A			23	\sim	24			60A	KITCHEN UNIT
SPOT LIGHTS & CLOSET	20A			25	\cap	26			DUA	
WORK ROOM RECEP	20A			27	\cap	28	·		20A	WORK ROOM LIGHTS
AUDITORIUM OUTLETS	20A			29	\cap	30		·	20A	RECEPTS COMPUTERS
SPACE				31	\cap	32	·	<u></u>	20A	EXIT+ER LIGHTS
SPACE				33	\cap	34				SPACE
SPACE				35		36				SPACE
SPACE				37	\sim	38				SPACE
SPACE				39		40				SPACE
SPACE				41		42				SPACE
NOTES SUB-	TOTALS 'B'			\bowtie	A_	BUS			SUB-	TOTALS 'A'
					A	LUGS			SUB-	TOTALS 'B' TOTAL COMMENTED LOAD
						FEED			GRANI	TOTAL CONNECTED LOAD
					VERIFY	SIZE	A	A	AMPS,	/PHASE

210 Turner St E5	MAKE: _	SIEMENS	F	RATING:_	120/240	1 PHASE	E <u>3</u> WRE	MLO MA	N CIRC	UIT BREAKE	R	
REVISED PANEL- 'A'	TYPE: _	S1 PANEL		MOUNTING: <u>Flush</u>					EQUIPMENT GROUND BUS XYES INO			
				MUMININ	AIC: VERIE	Υ		SERVICE ENTRY R			YES	⊠(NO
LOAD	СКТ	WATTS P	ER PHASE	СКТ	NEUTRAL	СКТ	WATTS F	PER PHASE	CKT		LOAD	
SERVICE	BRKR	Α	В	NO	A B	NO	Α	В	BRKR		SERVICE	
EWH-1	20A	1650		1		2	540		20A	REC: NEW	RECEPTION	(102)
LTS	20A		902	3		4		720	20A	REC: NEW	WAITING (10	03)
LTS		1800		5		6	180		20A	REC: NEW	H.C. TOILET	(104)
SPACE		·		7		8		180	20A	REC: NEW	H.C. TOILET	(105)
SPACE				9		10	720		20A	REC: CONF	ERENCE (10	06)
SPACE				11		12		360	20A	REC: CONF	ERENCE -	CEILING (1
SPACE				13		14	180		20A	REC: NEW	H.C. TOILET	(107)
SPACE				15		16		1800	20A	REC: BREA	K ROOM -	REF. (108)
SPACE				17		18	360		20A		K ROOM -	
SPACE				19		20		360	20A	1	K ROOM -	
SPACE				21		22	360		20A	REC: BREA		
SPACE				23		24	·	1000		REC: BREA		
SPACE				25		26	1080		20A		RIDORS (127	
SPACE				27		28		540		REC: FINAN		
SPACE	·			29		30	540			REC: FINAN		
PANEL 'A1'			9044	31		32		540		REC: FINAN		
	100A	7360		33		34	540			REC: FINAN		
REC: FINANCE (140)	20A		540	35		36		540		REC: FINAN		
REC: FINANCE (141)	20A	540		37		38	540			REC: FINAN		
REC: FINANCE (142)	20A		540	39		40	1	540		REC: FINAN		
REC: FINANCE DIRECTOR (110)	20A	1080		41		42	540	1		REC: FINAN		
NOTES SUB-T	OTALS 'B'	11890	11026		125A	BUS	5580	6580		TOTALS 'A'		٠.
					125A	LUGS	11890	11026		TOTALS 'B'		
					125A	FEED	17470	17606		TOTAL	TOTAL CO	NNECTED I
					VERIFY	SIZE	146A	147A		/PHASE		
NEC ALLOWABLE DEMAND	FACTO	RS	DIVERS	SIFIED	LOAD SUM	MARY						-
1) DEMAND FACTORS PER NEC	220		LOAI	D TYPE		EMAND	A	В	TOTAL	DIVERSIFIE	D LOAD	
2 LARGEST OF: NEC TABLE 2	20.12 OR		GENERAL LIGHTING ② 125%				3350	2383		5733		
CONNECTED LOAD			TRACK LIC			125%						
③ NEC TABLE 220.56			GENERAL		<u> </u>	KVA@100%	5000 4070	5000 4300	10000			
4 NEC 220.51		RECEPTACLES >10KVA@50% MOTORS AND LARGEST 125%				2250	8370 2250					
5 NEC 220.43A, 200 VA/LINE	EQUIPMEN	- ⊢		100%		===						
6 NON-COINCIDENT LOADS, LA	WATER HE			25%	2063			2063				
OF THE TWO LOADS IS COU	FIX. ELEC.			100%								
			SHOW WIN			25%						
			SIGN			25%						
			MISC			00%	14493	300		29716		
					FINAL (10)	TOTAL	14483	14233	VAN	28716 LT AMPS	= 120A	TOTAL
						121A	119A					

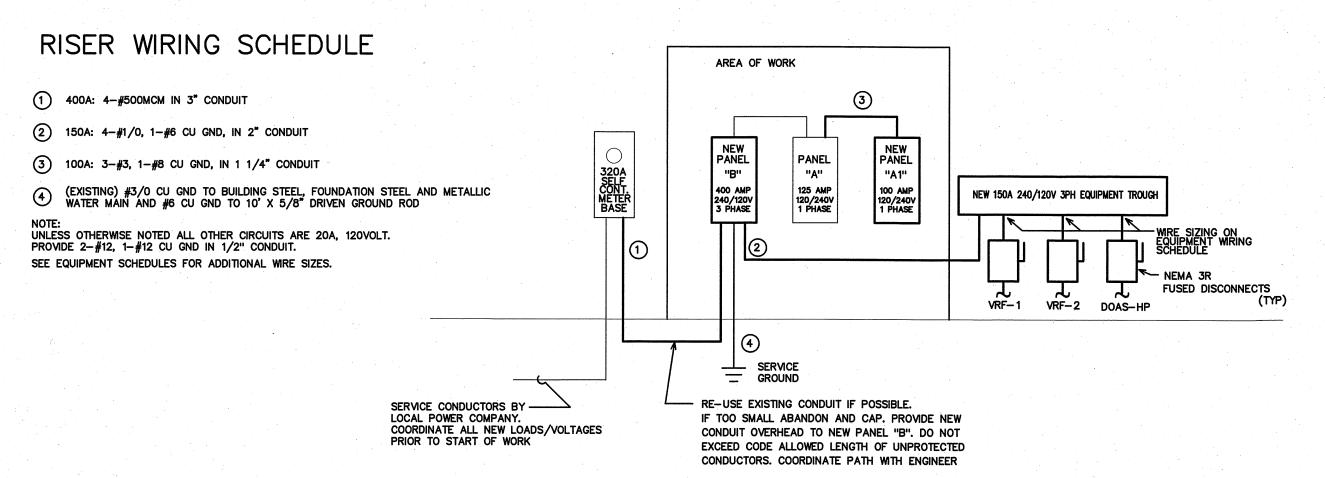
NEW PANEL— 'B'	TYPE: _			M(NITAUC	240/120\ G: <u>SURFA</u> AIC: <u>VE</u> F	CE	SE <u>4</u> Wir	_ EQ		GROUN	UIT BREAKE ID BUS ATED		
LOAD SERVICE	CKT BRKR	WATTS	PER F	PHASE C	CKT NO	NEUTRA A B C	L CKT	WATT	S PER B	PHASE C	CKT BRKR		LOAD SERVICE	
NEW EQUIPMENT TROUGH	4504	8504			1		<u></u>					SPACE		
•	150A		8504	8504	5		$\begin{array}{c c} $	 		948		HIGH LEG FC-X		
DOAS-1		7440			7	\cap	∩ 8	948			20A			
•	70A		7440	7440	9		$\begin{array}{c c} \cap & 10 \\ \hline \hline \hline & 12 \\ \hline \end{array}$	·		856		HIGH LEG	***************************************	
SPACE				7440	13		$\begin{array}{c c} \hline & 12 \\ \hline & 14 \\ \hline \end{array}$	856		030	20A	FC-X		
HIGH LEG					15	\bigcirc	$ \begin{array}{c c} & 16 \\ \hline & 16 \end{array} $					HIGH LEG		
PANEL - 'A'	125A	17606		17470	17		$\begin{array}{c c} \hline 18 \\ \hline \hline 20 \\ \hline \end{array}$	 		 		SPACE SPACE		
: HIGH LEG		17000			21		\bigcirc 22			 		HIGH LEG		
SPACE					23	$\cap \Box$	○ 24					SPACE		
NOTES	SUB-TOTALS 'B'	33550	15944	33414	$\otimes\!\!\!\otimes\!\!\!\!\otimes$	_400A	BUS	1804	0	1804		TOTALS 'A'		
PHASE 'B' IS 240V HIGH LI	EG					400A 400A	LUGS FEED	33550 35354	15944 15944	33414 35218		TOTALS 'B' TOTAL	TOTAL CONNECTE	D LOA
						VERIFY	SIZE	295A	133A	294A		/PHASE		,
NEC ALLOWABLE DE	EMAND FACTO	RS	DI	VERSI	FIED	LOAD SU	JMMARY	•						
1 DEMAND FACTORS P				LOAD	TYPI		DEMAND FACTOR(A	В	С	TOTAL	. DIVERSIFIE	D LOAD	
(2) LARGEST OF: NEC T CONNECTED LOAD	IABLE 220.12 OR			IERAL L		2	125% 125%	2383		3350		3350		
3 NEC TABLE 220.56				IERAL U			≤10KVA@1009	1		5000		10000		
(4) NEC 220.51				EPTACL			>10KVA@50%	4300		4070		8370		
(5) NEC 220.43A, 200 \	VA/LINEAR FT			TORS AN		rgest L others	125% 100%	9300	9300 8504	9300		27900 30920		<u> </u>
6 NON-COINCIDENT LO	•			TER HEA		L UINERS	125%			2063		2063		
OF THE TWO LOADS			KITCHEN EQUIPMEN											
				ELEC.										
			SIG		OH LIG	HTS (§)	125%							-
			MIS				100%	300				300		
						PHASE (TOTAL VA	33391	17804	34091	1	85286		
							TOTAL AMPS	278A	148A	284A	VOL 7	NT AMPS IS X 1.732	= 237A TOTAL	



EXISTING SERVICE RISER

E-4 SCALE: NTS

VERIFY AVAILABLE FAULT CURRENT AT SERVICE LOCATION WITH LOCAL POWER COMPANY. PROVIDE INFORMATION TO ENGINEER TO CALCULATE MINIMUM PANEL AIC RATING PRIOR TO RELEASING GEAR. AIC RATING ON PANELS ARE FOR PERMIT REVIEW AND PRICING ONLY. EC SHALL PROVIDE LABELING INDICATING FAULT CURRENT AT SERVICE ENTRY AND ON ALL PANELS PRIOR TO ENERGIZING.



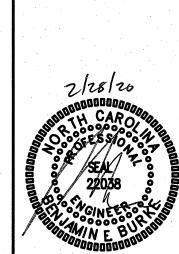
2 REVISED SERVICE RISER
E-4 SCALE: NTS

NEW PANEL— 'A1'		SIEMENS S1 PANEL	N	OUITAUON	20/240 G: FLUSH AIC: <u>VERI</u>		<u>3</u> WRE	MLO MAI EQUIPMENT SERVICE EN	GROUN	ID BUS	`⊠(YES □	_
LOAD SERVICE	CKT BRKR	WATTS P	ER PHASE I B	CKT NO	NEUTRAL A B	CKT NO	WATTS F	PER PHASE B	CKT BRKR		LOAD SERVICE	· • • • • • • • • • • • • • • • • • • •
LIGHTS	20A	1004		1 1		2	900		<u> </u>	BEC: COBE	RIDOR (132-136	3)
LIGHTS	20A		880	3		4		720	 		DIRECTOR (111)	•
REC: I.T. (125)	20/1	360		5		6	540	720		REC: H.R.		<u>'</u>
REC: I.T. (125)			360	17		8	<u> </u>	540		REC: H.R.		
SPACE				9		10	1080	0.0		REC: ADMI		
SPACE				11		12	1000	720		REC: ADMI	······································	
SPACE				13		14	900	120		REC: ALC.N		
SPACE				15		16	300	1080		REC: C. M		
SPACE				17		18	1080	1000	 			
SPACE				19		20	1000	720	 	REC: CLER	FERENCE ROOM	(110)
SPACE	·			21		22	720	120			RAGE (120,121)	(119)
SPACE				23		24	720	540				
SPACE			 	25		26	540	340		REC: H.R.		
SPACE				27		28	340	540		REC: I.T. (·	
SPACE				29		30	540	540		REC: I.T. (
SPACE			<u> </u>	31		32	340	720	 	REC: I.T. (
SPACE				33		34	E40	/20	·	REC: I.T. (
SPACE				35		36	540	540		REC: GIS	· · · · · · · · · · · · · · · · · · ·	
				37		38	E40	540		REC: GIS	· · · · · · · · · · · · · · · · · · ·	
SPACE				39		40	540			REC: GIS ((150)	
SPACE			 				700			SPARE		
SPACE	CUD TOTAL C 'D'			41 XXXX	/ \	42	300				DERS & CAMER.	<u> </u>
NOTES	SUB-TOTALS 'B'	1364	1240	\bowtie	_100A	BUS	7680 1364	6120		TOTALS 'A'	4	
					100A			1240		TOTALS 'B'	$\frac{B'}{B}$ total connected L	
					_100A	FEED	9044	7360		TOTAL	1	
					VERIFY	SIZE	75A	61A	AMPS,	/PHASE		
NEC ALLOWABLE DE	MAND FACTO	रड	DIVERS	IFIED I	OAD SUN							
① DEMAND FACTORS F			LOA) TYPE	· i	DEMAND FACTOR(1)	Α	В	TOTAL DIVERSIFIED LOAD			
(2) LARGEST OF: NEC 1	TABLE 220.12 OR		GENERAL			125%	1255	1100		2355		
CONNECTED LOAD			TRACK LIG			125%						
3 NEC TABLE 220.56		a. *	GENERAL RECEPTAC		· -	OKVA@100%	5000 1370	5000 740		10000 2110		-
(4) NEC 220.51		MOTORS A			125%							
5 NEC 220.43A, 200	EQUIPMEN		l others	100%						•		
(0) 11011 00111012111 201121, 211110201			WATER HE			125% 100%					· · · · · · · · · · · · · · · · · · ·	
OF THE TWO LOADS	IS COUNTED	ŀ	FIX. ELEC.			100%		 				
,			SHOW WIN			125%						
		. [SIGN			125%						
			MISC			100%	300	6490	-	300		
		L		•	PHASE (TO	TOTAL	7030	6480	VAN	13510 T AMPS	w	OTAL
· · · · · · · · · · · · · · · · · · ·						AMPS	59A	54A		VOLTS		MPS

NEC ALLOWABLE DEMAND FACTORS	DIVERSIFIE	D LOAD S	UMMARY				
① DEMAND FACTORS PER NEC 220	LOAD T	YPE	DEMAND FACTOR(1)	Α	В	С	TOTAL DIVERSIFIED LOAD
(2) LARGEST OF: NEC TABLE 220.12 OR CONNECTED LOAD	GENERAL LIGHT	125%					
	TRACK LIGHTIN	125%					
3 NEC TABLE 220.56	GENERAL USE						
(4) NEC 220.51	RECEPTACLES	>10KVA@50%					
\sim	MOTORS AND	LARGEST	125%	3150	3150	3150	9450
(5) NEC 220.43A, 200 VA/LINEAR FT	EQUIPMENT	ALL OTHERS	100%	5984	5984	5984	17952
6 NON-COINCIDENT LOADS, LARGEST	WATER HEATER		125%				
OF THE TWO LOADS IS COUNTED	KITCHEN EQUIP	100%					
	FIX. ELEC. SPA	CE HEAT. 4	100%				
	SHOW WINDOW	LIGHTS 6	125%				
	SIGN		125%				
	MISC		100%				
		PHASE	TOTAL VA)	9134	9134	9134	27402

210 Turner St E5 EQUIF	PME	V TV	VIRIN	IG	SCHEDULE
EQUIPMENT	МСА	МОСР	VOLTS	PH	WIRE SIZE
DOAS-1	62.0A	70A	240V	3	4-#4, 1-#8 GND IN 1 1/4" CONDUIT
DOAS-HP	28A	45A	240V	3	4-#8, 1-#10 GND IN 1" CONDUIT
VRF-1	33A	50A	240V	3	3-#8, 1-#10 GND IN 3/4" CONDUIT
VRF-2	24A	30A	240V	3	3-#8, 1-#10 GND IN 3/4" CONDUIT
FC-X	_	15A	240V	1	3-#12, 1-#12 GND IN 1/2" CONDUIT

NOTE: THE ELECTRICAL CONTRACTOR SHALL VERIFY ALL EQUIPMENT ELECTRICAL REQUIREMENTS PRIOR TO ROUGH—IN AND RELEASING GEAR. ADJUST BREAKER, WIRE SIZES, ETC. AS REQUIRED.



Coastal

 Architectural Design

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RENOVATIONS TO

PANELS & RISER

190)29
ISSUED:	1/22/20
DWG BY:	RM
CKD BY:	BEB
REVISIONS	

1/27/2020
2/28/2020
SIGN GROUP

BURICE DESIGN GROUP

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ENGINEER

SHEET NO.