D+P Architects, PLLC
P.O. Box 703
Meridian, MS 39302
www.davispurdyarchitects.com

GS# 209-066 New Softball Tennis Complex
Meridian Community College

ADDENDUM NO. 1

TO: All Bidders on the Above Referenced Product
FROM: Davis Purdy Architects, PLLC
DATE: September 28, 2023
SUBJECT: **ADDENDUM NO. 1**

ACKNOWLEDGEMENT OF RECEIPT OF ADDENDUM IS REQUIRED ON BID FORM.

Clarifications and revisions to Contract Documents for the referenced project are as follows:

1. **CLARIFICATION:** The drawing index on **Title Sheet T-1.0** dated 8/11/23 lists Plumbing drawing P-502 in error. Plumbing drawing P-502 is listed on the drawing is not part of the Contract Documents.
2. **CLARIFICATION:** The following Plumbing Drawing is part of the Contract Documents, but was not listed (in error) on the Drawing Index on Title Sheet T-1.0 dated 8/11/23:
    a. **Plumbing Sheet P-701**
3. **CLARIFICATION:** Pre-Bid Conference details are as follows:
    a. Date & Time: Thursday October 5, 2023 at 10:00 am
    b. Location: Meridian Community College Physical Plant Office
    910 Highway 19 N
    Meridian, MS 39307
4. **ADD:** Add the following Specification section dated 9/28/2023: **13 34 16.53 – Continuous Elevated Angle-Frame Bleachers.** Specification Section 13 34 16.53 is attached.

5. **REPLACE:** Replace the following Electrical Drawings dated 8/11/23 with the same drawings dated 9/22/23:

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a. **Electrical Drawing E-0.3**
b. **Electrical Drawing E-1.0**

6. **CLARIFICATION:** Structural design for Softball field net poles and Grandstand Foundation are to be stamped by a licensed Professional Engineer in the state of Mississippi provided by the contractor.

Submitted By

John L. Purdy, AIA
Davis Purdy Architects, PLLC
September 28, 2023

ACKNOWLEDGEMENT OF RECEIPT OF THIS ADDENDUM IS REQUIRED AND SHALL BE INDICATED ON BID FORM

PANEL HSB

LOCATION: **ELECTRICAL ROOM** — VOLT: **480Y/277V, 3Ø, 4W** — BUS: **225A**
LUG LOCATION: **TOP FEED** — MAIN BUS: **225A MAIN BREAKER** — MOUNTING: **SURFACE**
PANELBOARD AIC RATING (A): **18,000**

CIRCUIT NO.	BREAKER		DESCRIPTION	PHASE LOAD (KVA)						DESCRIPTION	BREAKER		CIRCUIT NO.
	AMPS	POLES		A		B		C			AMPS	POLES	
1	20	2	LTS. - SITE LIGHTING	0.3	4.1					DOAS-1	20	3	2
3	-	-	-			0.0	4.1			-	-	-	4
5			SPACE					0.0	4.1	-	-	-	6
7	80	3	EWH-3	12.0	4.9					ODU-1	30	3	8
9	-	-	-			12.0	4.9			-	-	-	10
11	-	-	-					12.0	4.9	-	-	-	12
13	30	3	SPARE	0.0	0.0					SPARE	30	3	14
15	-	-	-			0.0	0.0			-	-	-	16
17	-	-	-					0.0	0.0	-	-	-	18
19	30	3	SPARE	0.0	0.0					SPARE	30	3	20
21	-	-	-			0.0	0.0			-	-	-	22
23	-	-	-					0.0	0.0	-	-	-	24
25	80	3	SPARE	0.0	0.0					SPARE	30	3	26
27	-	-	-			0.0	0.0			-	-	-	28
29	-	-	-					0.0	0.0	-	-	-	30
31	20	3	SPARE	0.0	0.0					SPARE	70	3	32
33	-	-	-			0.0	0.0			-	-	-	34
35	-	-	-					0.0	0.0	-	-	-	36
37	30	3	SPD TYPE 2A	0.0	15.8					TRANSFORMER 'T1'	70	3	38
39	-	-	-			0.0	12.7			-	-	-	40
41	-	-	-					0.0	15.1	-	-	-	42
TOTAL				36.9		33.6		36.0					

PANEL LSB

LOCATION: **ELECTRICAL ROOM** — VOLT: **208Y/120V, 3Ø, 4W** — BUS: **225A**
LUG LOCATION: **BOTTOM FEED** — MAIN BUS: **175A MAIN BREAKER** — MOUNTING: **SURFACE**
PANELBOARD AIC RATING (A): **10,000**

CIRCUIT NO.	BREAKER		DESCRIPTION	PHASE LOAD (KVA)						DESCRIPTION	BREAKER		CIRCUIT NO.
	AMPS	POLES		A		B		C			AMPS	POLES	
1	20	1	LTS. - INTERIOR AND EXTERIOR	1.4	0.4					REC. - TENNIS COURTS	20	1	2
3	20	1	REC. - OUTSIDE ENTRANCES			0.4	0.4			REC. - TENNIS COURTS	20	1	4
5	20	1	REC. - LOUNGE, CORRIDOR					0.9	0.7	REC. - COACH OFFICE 1	20	1	6
7	20	1	REC. - SOFTBALL LOCKER ROOM	0.7	0.7					REC. - COACH OFFICE 2	20	1	8
9	20	1	REC. - TRAINING ROOM			0.7	0.5			REC. - DRINKING FOUNTAIN	*20	1	10
11	*20	1	REC. - DRINKING FOUNTAIN					0.5	1.1	REC. - CORRIDOR, VESTIBULE, RESTROOM, LAUNDRY ROOM, SHOWER	20	1	12
13	20	1	REC. - COACH ADA RESTROOM, MECH., ELEC., CORRIDOR, JANITOR	0.9	0.1					LTS. - EXTERIOR	20	1	14
15	20	1	SPARE			0.0	0.4			REC. - TDBB-3	20	1	16
17	20	1	REC. - TDBB-3					0.4	0.3	BS-1-1	20	2	18
19	15	1	EF-1	0.2	0.3					-	-	-	20
21	20	1	BUILDING AUTOMATION SYSTEM			0.2	0.1			IU-1.01-04	15	2	22
23	20	1	HEAT RECOVERY SYSTEM					0.2	0.1	-	-	-	24
25	*20	1	REC. - ICE MACHINE	0.8	0.1					IU-1.01-05,.08,09,.11	15	2	26
27	20	2	WASHING MACHINE			0.5	0.1			-	-	-	28
29	-	-	-					0.5	0.1	IU-1.06,07,10	15	2	30
31	20	1	POWER FOR SIGNAGE LIGHT	0.5	0.1					-	-	-	32
33	20	1	SPARE			0.0	0.3			RP-1	20	1	34
35	20	1	SPARE					0.0	0.0	SPARE	20	1	36
37	20	1	SPARE	0.0	0.0					SPARE	20	1	38
39	20	1	SPARE			0.0	0.0			SPARE	20	1	40
41	20	1	SPARE					0.0	0.0	SPARE	20	1	42
43	20	1	SPARE	0.0	6.7					DRYER	80	3	44
45	20	1	SPARE			0.0	6.7			-	-	-	46
47	20	1	LIGHTING CONTROL PANEL					0.0	6.7	-	-	-	48
49	60	3	PANEL 'BGP'	2.9	0.0					SPARE	20	1	50
51	-	-	-			2.6	0.0			SPARE	20	1	52
53	-	-	-					3.7	0.0	SPARE	20	1	54
TOTAL				15.8		12.7		15.1		* GFCI BREAKER			

PANEL BGP

LOCATION: **ELECTRICAL ROOM** — VOLT: **208Y/120V, 3Ø, 4W** — BUS: **60A**
LUG LOCATION: **BOTTOM FEED** — MAIN BUS: **60A MAIN BREAKER** — MOUNTING: **SURFACE**
PANELBOARD AIC RATING (A): **10,000**

CIRCUIT NO.	BREAKER		DESCRIPTION	PHASE LOAD (KVA)						DESCRIPTION	BREAKER		CIRCUIT NO.
	AMPS	POLES		A		B		C			AMPS	POLES	
1	20	1	LTS. - BATTING CAGE	0.7	0.5					REC. - BATTING CAGES	20	1	2
3	20	1	REC. - BATTING CAGES			0.4	0.5			REC. - BATTING CAGES	20	1	4
5	20	1	REC. - EQUIPMENT STORAGE					0.4	1.7	EUH-1	20	2	6
7	20	1	SPARE	0.0	1.7					-	-	-	8
9	20	1	SPARE			0.0	1.7			EUH-2	20	2	10
11	*20	1	SPARE					0.0	1.7	-	-	-	12
TOTAL				2.9		2.6		3.7		* GFCI BREAKER			

PANEL HPB

LOCATION: **ELECTRICAL ROOM** — VOLT: **480Y/277V, 3Ø, 4W** — BUS: **225A**
LUG LOCATION: **BOTTOM FEED** — MAIN BUS: **225A MAIN BREAKER** — MOUNTING: **SURFACE**
PANELBOARD AIC RATING (A): **18,000**

CIRCUIT NO.	BREAKER		DESCRIPTION	PHASE LOAD (KVA)						DESCRIPTION	BREAKER		CIRCUIT NO.
	AMPS	POLES		A		B		C			AMPS	POLES	
1	20	3	POLE 'A1'	2.2	2.2					POLE 'A2'	20	3	2
3	-	-	-			2.2	2.2			-	-	-	4
5	-	-	-					2.2	2.2	-	-	-	6
7	30	3	POLE 'B1'	5.2	5.2					POLE 'B2'	30	3	8
9	-	-	-			5.2	5.2			-	-	-	10
11	-	-	-					5.2	5.2	-	-	-	12
13	20	2	LTS. - SITE LIGHTING	0.3	1.2					POLE 'A1,A2'B1'B2'-RGB-U LIGHTING	20	3	14
15	-	-	-			0.3	1.2			-	-	-	16
17			SPACE					0.0	1.2	-	-	-	18
19	20	3	SPARE	0.0	0.0					SPARE	20	3	20
21	-	-	-			0.0	0.0			-	-	-	22
23	-	-	-					0.0	0.0	-	-	-	24
25	30	3	SPARE	0.0	11.5					TRANSFORMER 'T2'	70	3	26
27	-	-	-			0.0	10.1			-	-	-	28
29	-	-	-					0.0	8.0	-	-	-	30
31	30	3	SPD TYPE 2A	0.0	0.0					SPARE	70	3	32
33	-	-	-			0.0	0.0			-	-	-	34
35	-	-	-					0.0	0.0	-	-	-	36
37	30	3	SPARE	0.0	0.0					SPARE	30	3	38
39	-	-	-			0.0	0.0			-	-	-	40
41	-	-	-					0.0	0.0	-	-	-	42
TOTAL				27.8		26.4		24.0					

1

PANEL LPB

LOCATION: **ELECTRICAL ROOM** — VOLT: **208Y/120V, 3Ø, 4W** — BUS: **225A**
LUG LOCATION: **BOTTOM FEED** — MAIN BUS: **175A MAIN BREAKER** — MOUNTING: **SURFACE**
PANELBOARD AIC RATING (A): **10,000**

CIRCUIT NO.	BREAKER		DESCRIPTION	PHASE LOAD (KVA)						DESCRIPTION	BREAKER		CIRCUIT NO.
	AMPS	POLES		A		B		C			AMPS	POLES	
1	20	1	LTS. - PRESSBOX	0.2	0.4					REC. - TDBB-2	20	1	2
3	20	1	REC. - TDBB-2			0.4	0.7			REC. - PRESSBOX	20	1	4
5	20	1	REC. - PRESSBOX					0.7	0.5	REC. - HOME DUGOUT	20	1	6
7	20	1	REC. - VISITOR DUGOUT	0.5	0.2					REC. - MOUND	20	1	8
9	20	1	REC. - CHANGING ROOM			0.2	1.5			EUH-1	20	1	10
11	20	1	LTS. - DUGOUT					0.3	0.5	RCP-1	15	1	12
13	35	1	EWH-1	3.5	1.5					EUH-2	20	1	14
15	35	1	EWH-2			3.5	0.5			RCP-2	15	1	16
17	20	1	LTS. - DUGOUT					0.4	2.5	PTHP-1	30	2	18
19	20	1	REC. - PRESSBOX	0.7	2.5					-	-	-	20
21	20	1	REC. - PRESSBOX			0.4	2.5			PTHP-2	30	2	22
23	20	1	POWER FOR SCOREBOARD					0.5	2.5	-	-	-	24
25	20	1	POWER FOR SIGNAGE	0.5	1.5					EUH-1	20	1	26
27	20	1	SPARE			0.0	0.5			POWER FOR GATE OPERATOR	20	1	28
29	20	1	SPARE					0.0	0.0	SPARE	20	1	30
31	20	1	SPARE	0.0	0.0					SPARE	20	1	32
33	20	1	SPARE			0.0	0.0			SPARE	20	1	34
35	20	1	SPARE					0.0	0.0	SPARE	20	1	36
37	20	1	SPARE	0.0	0.0					SPARE	20	1	38
39	20	1	SPARE			0.0	0.0			SPARE	20	1	40
41	20	1	SPARE					0.0	0.0	SPARE	20	1	42
43	20	1	SPARE	0.0	0.0					SPARE	20	1	44
45	20	1	SPARE			0.0	0.0			SPARE	20	1	46
47	20	1	SPARE					0.0	0.0	SPARE	20	1	48
49	20	1	SPARE	0.0	0.0					SPARE	20	1	50
51	20	1	SPARE			0.0	0.0			SPARE	20	1	52
53	20	1	LIGHTING CONTROL PANEL					0.0	0.0	SPARE	20	1	54
TOTAL				11.5		10.1		8.0					

PANEL HTP

LOCATION: **ELECTRICAL ROOM** — VOLT: **480Y/277V, 3Ø, 4W** — BUS: **225A**
LUG LOCATION: **BOTTOM FEED** — MAIN BUS: **225A MAIN BREAKER** — MOUNTING: **SURFACE**
PANELBOARD AIC RATING (A): **18,000**

CIRCUIT NO.	BREAKER		DESCRIPTION	PHASE LOAD (KVA)						DESCRIPTION	BREAKER		CIRCUIT NO.
	AMPS	POLES		A		B		C			AMPS	POLES	
1	20	3	POLE 'T1'	1.3	1.3					POLE 'T2'	20	3	2
3	-	-	-			1.3	1.3			-	-	-	4
5	-	-	-					1.3	1.3	-	-	-	6
7	20	3	POLE 'T3'	1.3	1.3					POLE 'T4'	20	3	8
9	-	-	-			1.3	1.3			-	-	-	10
11	-	-	-					1.3	1.3	-	-	-	12
13	20	3	POLE 'T5'	1.3	1.3					POLE 'T6'	20	3	14
15	-	-	-			1.3	1.3			-	-	-	16
17	-	-	-					1.3	1.3	-	-	-	18
19	20	3	POLE 'T7'	1.3	1.3					POLE 'T8'	20	3	20
21	-	-	-			1.3	1.3			-	-	-	22
23	-	-	-					1.3	1.3	-	-	-	24
25	20	3	POLE 'T9'	1.3	1.3					POLE 'T10'	20	3	26
27	-	-	-			1.3	1.3			-	-	-	28
29	-	-	-					1.3	1.3	-	-	-	30
31	20	3	POLE 'T11'	1.3	1.3					POLE 'T12'	20	3	32
33	-	-	-			1.3	1.3			-	-	-	34
35	-	-	-					1.3	1.3	-	-	-	36
37	20	3	POLE 'T13'	1.3	1.3					POLE 'T14'	20	3	38
39	-	-	-			1.3	1.3			-	-	-	40
41	-	-	-					1.3	1.3	-	-	-	42
43	20	2	LTS. - SITE LIGHTING	0.2	3.3					ODU-1	20	3	44
45	-	-	-			0.2	3.3			-	-	-	46
47			SPACE					0.0	3.3	-	-	-	48
49	20	3	SPARE	0.0	9.8					TRANSFORMER 'T3'	70	3	50
51	-	-	-			0.0	9.4			-	-	-	52
53	-	-	-					0.0	8.5	-	-	-	54
TOTAL				31.2		30.7		29.7					

PANEL LTP - SEC. 1

LOCATION: **ELECTRICAL ROOM** — VOLT: **208Y/120V, 3Ø, 4W** — BUS: **225A**
LUG LOCATION: **BOTTOM FEED** — MAIN BUS: **175A MAIN BREAKER W/FEED THRU LUGS** — MOUNTING: **RECESSED**
PANELBOARD AIC RATING (A): **10,000**

CIRCUIT NO.	BREAKER		DESCRIPTION	PHASE LOAD (KVA)						DESCRIPTION	BREAKER		CIRCUIT NO.
	AMPS	POLES		A		B		C			AMPS	POLES	
1	20	1	LTS. - INTERIOR	1.1	0.4					REC. - TENNIS COURTS	20	1	2
3	20	1	REC. - OUTSIDE CONCESSIONS, OUTSIDE CORRIDOR			0.4	0.4			REC. - TENNIS COURTS	20	1	4
5	20	1	REC. - TENNIS COACH OFFICE					0.7	0.4	REC. - TENNIS COURTS	20	1	6
7	20	1	REC. - DRINKING FOUNTAIN	0.5	0.4					REC. - TENNIS COURTS	20	1	8
9	20	1	DH-1			0.3	0.4			REC. - TENNIS COURTS	20	1	10
11	20	1	REC. - WOMENS LOCKER ROOM					0.5	0.4	REC. - TENNIS COURTS	20	1	12
13	20	1	REC. - CONCESSIONS	0.2	0.4					REC. - TENNIS COURTS	20	1	14
15	20	1	REC. - CONCESSIONS			0.2	0.4			REC. - TENNIS COURTS	20	1	16
17	20	1	REC. - CONCESSIONS					0.2	0.4	REC. - TENNIS COURTS	20	1	18
19	20	1	REC. - STRINGING ROOM, CORRIDOR,COACH RESTROOM, JANITOR	0.5	0.8					REC. - ICE MAKER	*20	1	20
21	20	1	REC. - DRINKING FOUNTAIN			0.5	0.0			SPARE	20	1	22
23	20	1	RP-2					0.1	0.2	REC. - CONCESSIONS	20	1	24
25	20	1	REC. - EQUIPMENT, ELECTRICAL,STORAGE, MECH., BREEZEWAY	1.3	1.0					REC. - TDBB-1	20	1	26
27	20	1	REC. - CONCESSIONS			0.2	1.0			REC. - TDBB-1	20	1	28
29	20	1	REC. - CONCESSIONS					0.2	0.2	LTS. - EXTERIOR	20	1	30
31	20	1	REC. - CONCESSIONS	0.2	0.1					BS-1	20	1	32
33	20	1	REC. - CONCESSIONS			0.2	0.1			-	20	1	34
35	20	1	REC. - CONCESSIONS					0.2	0.1	IU-1.01-05	20	1	36
37	20	1	REC. - CONCESSIONS	0.2	0.1					-	20	1	38
39	20	1	POWER FOR GATE OPERATOR			0.5	0.5			RCP-1&EF-3	20	1	40
41	20	1	EF-6,7,8,9,10					0.3	1.0	RCP-2&3	20	1	42
TOTAL				7.1		4.9		4.8		* GFCI BREAKER			

PANEL LTP - SEC. 2

LOCATION: **ELECTRICAL ROOM** — VOLT: **208Y/120V, 3Ø, 4W** — BUS: **225A**
LUG LOCATION: **TOP FEED** — MAIN: **MAIN LUGS ONLY** — MOUNTING: **RECESSED**
PANELBOARD AIC RATING (A): **10,000**

CIRCUIT NO.	BREAKER		DESCRIPTION	PHASE LOAD (KVA)						DESCRIPTION	BREAKER		CIRCUIT NO.
	AMPS	POLES		A		B		C			AMPS	POLES	
43	20	1	HEAT RECOVERY SYSTEM	0.3	1.0					RCP-4&5	20	1	44
45	20	1	BUILDING AUTOMATION SYSTEM			0.3	1.0			RCP-6&7	20	1	46
47	20	1	SPARE					0.0	1.5	EWH-4	20	2	48
49	20	1	SPARE	0.0	1.5					-	-	-	50
51	20	1	RCP-8&9			1.0	2.3			EWH-5	30	2	52
53	20	1	LIGHTING CONTROL PANEL					0.0	2.3	-	-	-	54
55	20	1	SPARE	0.0	0.0					SPARE	20	1	56
57	20	1	SPARE			0.0	0.0			SPARE	20	1	58
59	20	1	SPARE					0.0	0.0	SPARE	20	1	60
61	20	1	SPARE	0.0	0.0					SPARE	20	1	62
63	20	1	SPARE			0.0	0.0			SPARE	20	1	64
65	20	1	SPARE					0.0	0.0	SPARE	20	1	66
67	20	1	SPARE	0.0	0.0					SPARE	20	1	68
69	20	1	SPARE			0.0	0.0			SPARE	20	1	70
71	20	1	SPARE					0.0	0.0	SPARE	20	1	72
73	20	1	SPARE	0.0	0.0					SPARE	20	1	74
75	20	1	SPARE			0.0	0.0			SPARE	20	1	76
77	20	1	SPARE					0.0	0.0	SPARE	20	1	78
79	20	1	SPARE	0.0	0.0					SPARE	20	1	80
81	20	1	SPARE			0.0	0.0			SPARE	20	1	82
83	20	1	SPARE					0.0	0.0	SPARE	20	1	84
TOTAL				2.8		4.5		3.8		* GFCI BREAKER			

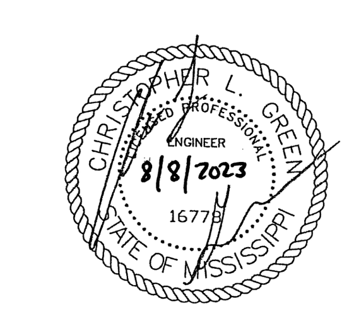
DAVIS PURDY ARCHITECTS, PLLC
2306 6th Street
Meridian, Mississippi 39301
t: 601.282.1655
e: info@davispurdyarchitects.com
w: www.davispurdyarchitects.com

THE POWER SOURCE PLLC
305 HIGHWAY 51
RIDGELAND, MS 39157
VOICE (601) 605-4820
FAX (601) 605-4875
TPS PROJ. # 20172

KEY PLAN

NORTH

Seal



No.	Description	Date
1	SCHEMATIC DESIGN	11/11/22
2	DESIGN DEVELOPMENT	01/27/23
3	99% CD'S	06/29/23
4	CONSTRUCTION DOCUMENTS	08/8/23
1	ADD. #1	09/22/23

MERIDIAN COMMUNITY COLLEGE

SOFTBALL & TENNIS COMPLEX

910 Highway 19N,
Meridian, MS 39307

Sheet Title

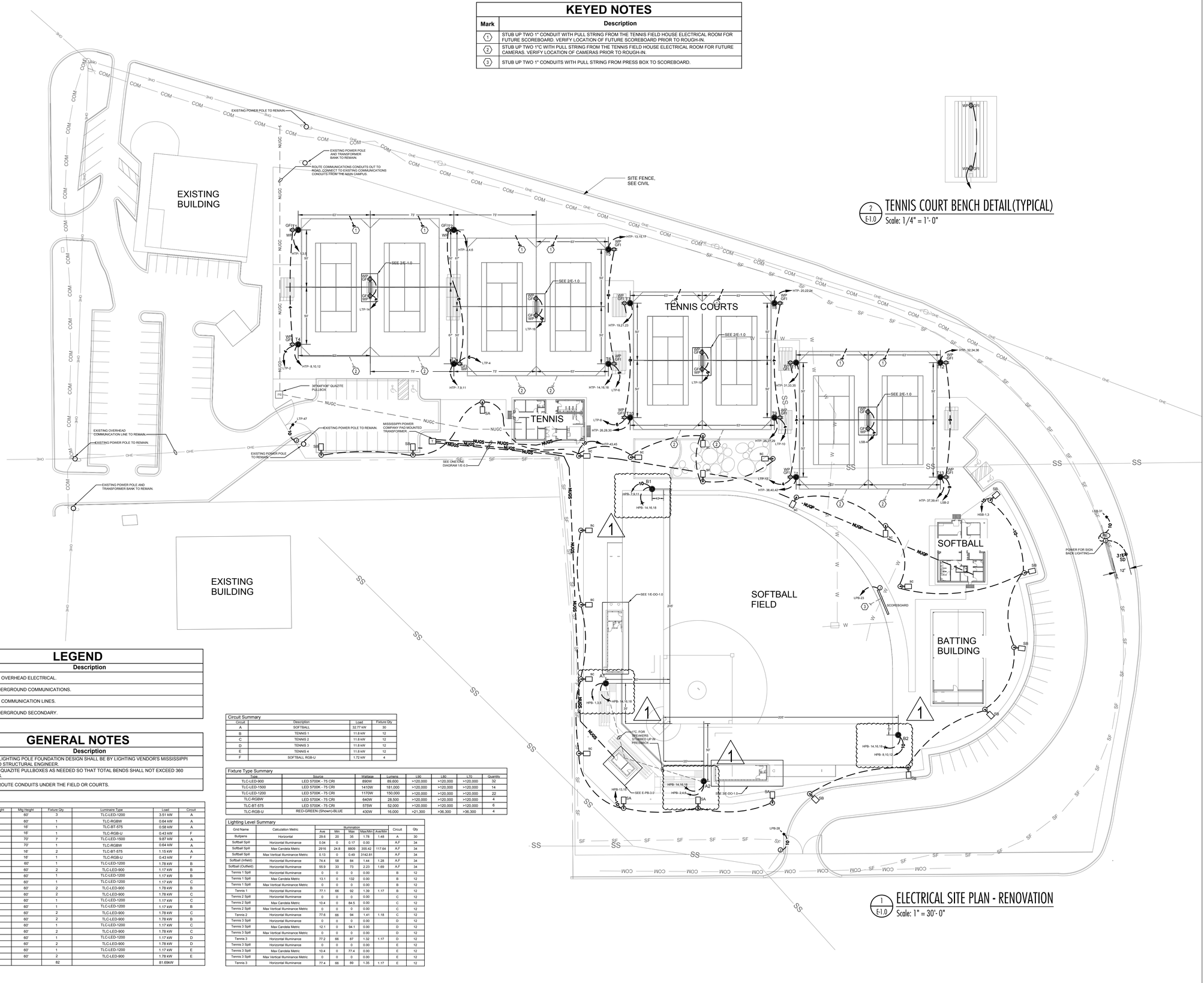
PANEL SCHEDULES

Project No. 20_017 — Date 06/29/23

E-0.3

KEYED NOTES

Mark	Description
1	STUB UP TWO 1" CONDUIT WITH PULL STRING FROM THE TENNIS FIELD HOUSE ELECTRICAL ROOM FOR FUTURE SCOREBOARD. VERIFY LOCATION OF FUTURE SCOREBOARD PRIOR TO ROUGH-IN.
2	STUB UP TWO 1"C WITH PULL STRING FROM THE TENNIS FIELD HOUSE ELECTRICAL ROOM FOR FUTURE CAMERAS. VERIFY LOCATION OF CAMERAS PRIOR TO ROUGH-IN.
3	STUB UP TWO 1" CONDUITS WITH PULL STRING FROM PRESS BOX TO SCOREBOARD.



2 E-1.0 TENNIS COURT BENCH DETAIL(TYPICAL)

Scale: 1/4" = 1'-0"

1 E-1.0 ELECTRICAL SITE PLAN - RENOVATION

Scale: 1" = 30'-0"

LEGEND

Mark	Description
-OHE-	EXISTING OVERHEAD ELECTRICAL.
-NUGC-	NEW UNDERGROUND COMMUNICATIONS.
-COM-	EXISTING COMMUNICATION LINES.
-NUGS-	NEW UNDERGROUND SECONDARY.

GENERAL NOTES

Mark	Description
1.	SPORTS LIGHTING POLE FOUNDATION DESIGN SHALL BE BY LIGHTING VENDOR'S MISSISSIPPI LICENSED STRUCTURAL ENGINEER.
2.	PROVIDE QUAZITE PULLBOXES AS NEEDED SO THAT TOTAL BENDS SHALL NOT EXCEED 360 DEGREES.
3.	DO NOT ROUTE CONDUITS UNDER THE FIELD OR COURTS.

Pole / Fixture Summary

Pole ID	Pole Height	Mtg Height	Fixture Qty	Luminaire Type	Load	Circuit
A1-A2	60'	60'	3	TLC-LED-1200	3.51 kW	A
		60'	1	TLC-RGBW	0.64 kW	A
		16'	1	TLC-BT-575	0.58 kW	A
		16'	1	TLC-RGB-U	0.43 kW	F
B1-B2	70'	70'	7	TLC-LED-1500	9.87 kW	A
		70'	1	TLC-RGBW	0.64 kW	A
		16'	2	TLC-BT-575	1.15 kW	A
		16'	1	TLC-RGB-U	0.43 kW	F
T1,T4	60'	60'	1	TLC-LED-1200	1.78 kW	B
		60'	2	TLC-LED-900	1.17 kW	B
T2	60'	60'	1	TLC-LED-1200	1.17 kW	B
		60'	1	TLC-LED-1200	1.17 kW	C
		60'	2	TLC-LED-900	1.78 kW	B
		60'	2	TLC-LED-900	1.78 kW	C
T3	60'	60'	1	TLC-LED-1200	1.17 kW	C
		60'	1	TLC-LED-1200	1.17 kW	B
		60'	2	TLC-LED-900	1.78 kW	C
		60'	2	TLC-LED-900	1.78 kW	B
T5-T6	60'	60'	1	TLC-LED-1200	1.17 kW	C
		60'	2	TLC-LED-900	1.78 kW	C
T7-T10	60'	60'	1	TLC-LED-1200	1.17 kW	D
		60'	2	TLC-LED-900	1.78 kW	D
T11-T14	60'	60'	1	TLC-LED-1200	1.17 kW	E
		60'	2	TLC-LED-900	1.78 kW	E
18			82		81.69kW	

Circuit Summary

Circuit	Description	Load	Fixture Qty
A	SOFTBALL	32.77 kW	30
B	TENNIS 1	11.8 kW	12
C	TENNIS 2	11.8 kW	12
D	TENNIS 3	11.8 kW	12
E	TENNIS 4	11.8 kW	12
F	SOFTBALL RGB-U	1.72 kW	4

Fixture Type Summary

Type	Source	Wattage	Lumens	L90	L80	L70	Quantity
TLC-LED-900	LED 5700K - 75 CRI	890W	89,600	>120,000	>120,000	>120,000	32
TLC-LED-1500	LED 5700K - 75 CRI	1410W	181,000	>120,000	>120,000	>120,000	14
TLC-LED-1200	LED 5700K - 75 CRI	1170W	150,000	>120,000	>120,000	>120,000	22
TLC-RGBW	LED 5700K - 75 CRI	640W	28,500	>120,000	>120,000	>120,000	4
TLC-BT-575	LED 5700K - 75 CRI	575W	52,000	>120,000	>120,000	>120,000	6
TLC-RGB-U	RED-GREEN (Shown)-BLUE	430W	16,000	>21,300	>36,300	>36,300	4

Lighting Level Summary

Grid Name	Calculation Metric	Illumination					Circuit	Qty
		Ave	Min	Max	Max/Min	Ave/Min		
Bullpens	Horizontal	29.6	20	35	1.78	1.48	A	30
Softball Spill	Horizontal Illuminance	0.04	0	0.17	0.00		A,F	34
Softball Spill	Max Candela Metric	2916	24.8	8809	355.42	117.64	A,F	34
Softball Spill	Max Vertical Illuminance Metric	0.13	0	0.49	3142.81		A,F	34
Softball (Infield)	Horizontal Illuminance	74.4	58	84	1.44	1.28	A,F	34
Softball (Outfield)	Horizontal Illuminance	55.9	33	73	2.23	1.69	A,F	34
Tennis 1 Spill	Horizontal Illuminance	0	0	0	0.00		B	12
Tennis 1 Spill	Max Candela Metric	13.1	0	132	0.00		B	12
Tennis 1 Spill	Max Vertical Illuminance Metric	0	0	0	0.00		B	12
Tennis 1	Horizontal Illuminance	77.1	66	92	1.39	1.17	B	12
Tennis 2 Spill	Horizontal Illuminance	0	0	0	0.00		C	12
Tennis 2 Spill	Max Candela Metric	10.4	0	84.5	0.00		C	12
Tennis 2 Spill	Max Vertical Illuminance Metric	0	0	0	0.00		C	12
Tennis 2	Horizontal Illuminance	77.6	66	94	1.41	1.18	C	12
Tennis 3 Spill	Horizontal Illuminance	0	0	0	0.00		D	12
Tennis 3 Spill	Max Candela Metric	12.1	0	94.1	0.00		D	12
Tennis 3 Spill	Max Vertical Illuminance Metric	0	0	0	0.00		D	12
Tennis 3	Horizontal Illuminance	77.2	66	87	1.32	1.17	D	12
Tennis 3 Spill	Horizontal Illuminance	0	0	0	0.00		E	12
Tennis 3 Spill	Max Candela Metric	10.4	0	77.4	0.00		E	12
Tennis 3 Spill	Max Vertical Illuminance Metric	0	0	0	0.00		E	12
Tennis 3	Horizontal Illuminance	77.4	66	89	1.35	1.17	E	12

DAVIS PURDY ARCHITECTS, PLLC
2306 6th Street
Meridian, Mississippi 39301
t: 601.282.1655
e: info@davispurdyarchitects.com
w: www.davispurdyarchitects.com

The POWER SOURCE PLLC
305 Highway 51
Ridgeland, MS 39157
Voice (601) 605-4820
Fax (601) 605-4875
TPS Proj. # 20172

KEY PLAN

NORTH

Seal

CHRISTOPHER L. GREEN
LICENSED
PROFESSIONAL
ENGINEER
9/8/2023
16771
STATE OF MISSISSIPPI

No.	Description	Date
1	SCHEMATIC DESIGN	11/11/22
2	DESIGN DEVELOPMENT	01/27/23
3	99% CD'S	06/29/23
4	CONSTRUCTION DOCUMENTS	08/8/23
1	ADD. #1	09/22/23

MERIDIAN COMMUNITY COLLEGE

SOFTBALL & TENNIS COMPLEX

910 Highway 19N,
Meridian, MS 39307

Sheet Title

ELECTRICAL SITE RENO. PLAN

Project No. 20_017

Date 06/29/23

E-1.0

SECTION 13 34 16.53 CONTINUOUS ELEVATED ANGLE-FRAME BLEACHERS

PART 1 - GENERAL

1.1 SECTION INCLUDES

A. Continuous, elevated, angle-frame bleachers.

1.2 RELATED REQUIREMENTS

A. Section 03 30 00 – Cast-in-Place Concrete: Concrete foundations.

1.3 REFERENCE STANDARDS

A. AAMA 2603 – Voluntary Specification, Performance Requirements and Test Procedures for Pigmented Organic Coatings on Aluminum Extrusions and Panels.

B. AISC Steel Construction Manual.

C. Aluminum Association (AA) Aluminum Design Manual.

D. ASTM A 36 / A 36M – Standard Specification for Carbon Structural Steel.

E. ASTM A 123 / A 123M – Standard Specification for Zinc (Hot-Dip Galvanized) Coatings on Iron and Steel Products.

F. ASTM A 307 – Standard Specification for Carbon Steel Bolts, Studs, and Threaded Rod 60 000 PSI Tensile Strength.

G. ASTM A 572 / A 572M – Standard Specification for High-Strength Low-Alloy Columbium-Vanadium Structural Steel.

H. ASTM A 992 / A 992M – Standard Specification for Structural Steel Shapes.

I. AWS D1.1 / D1.1M – Structural Welding Code – Steel.

1.4 SUBMITTALS

A. Comply with Section 01 33 00 – Submittal Procedures.

B. Product Data: Submit manufacturer’s product data

C. Shop Drawings:

1. Submit manufacturer's shop drawings, including plans, elevations, sections, and details, indicating location, size, details, and quantity of steel and aluminum components and accessories.
2. Indicate locations of exit stairs, ramps, seat locations, decking configurations, and overall general materials to be supplied.
3. Shop drawings shall be signed and sealed by a qualified, registered professional engineer, registered in state of Mississippi

D. Samples: Submit manufacturer's color samples for selection (If applicable)

E. Design Data:
1. Submit manufacturer's design data, including an analysis to indicate that the structural members shall have sufficient strength to support required loads and ability to resist loads subjected, without exceeding allowable stresses of the materials.
2. Design data shall be signed and sealed by a qualified, registered professional engineer, registered in state of the Mississippi.

F. Warranty Documentation: Submit manufacturer's standard warranty with closeout documents (One year standard warranty from "date of substantial completion")

1.5 QUALITY ASSURANCE

A. Manufacturer's Qualifications:
1. Manufacturer regularly engaged, for past 10 years, in design and manufacture of continuous, elevated, angle-frame bleachers of similar type to that specified.
2. Fabricate structural steel in an AISC-certified plant; certified "STD" at time of the bid.
3. Manufacturer listed by AISC as a certified fabricator.
4. Certification and inspections in accordance with IBC Chapter 17.

B. Installer's Qualifications:
1. Installer regularly engaged, for past 5 years, in installation of continuous, elevated, angle-frame bleachers of similar type to that specified.
2. Employ persons trained and experienced for installation of continuous, elevated, angle-frame bleachers.

C. Welder's Qualifications: [AWS] certified within past 12 months for each type of weld required.

1.6 DELIVERY, STORAGE, AND HANDLING

A. Delivery Requirements: Deliver materials to site in manufacturer's original, unopened containers and packaging, with labels clearly identifying product name and manufacturer.

B. Storage and Handling Requirements:
1. Store and handle materials in accordance with manufacturer's instructions.
2. Keep materials in manufacturer's original, unopened containers and packaging until installation.
3. Do not store materials directly on ground.
4. Protect materials and finish during storage, handling, and installation to prevent damage.

SECTION 13 34 16.53
CONTINUOUS ELEVATED ANGLE-FRAME BLEACHERS

PART 2 PRODUCTS

2.1 MANUFACTURER

A. Acceptable Manufacturers: Sturdisteel, PO Box 2655, Waco, Texas 76702. Or equal

B. Substitutions: Prior approval needed

2.2 DESIGN REQUIREMENTS

A. Design: Conform to AISC Steel Construction Manual and AA Aluminum Design Manual.

B. Applicable Codes: Design and workmanship shall be in accordance with IBC 2012 and ICC 300 Bleachers, Folding and Telescopic Seating, and Grandstands.

C. Design Loads:
   1. Live Loads:
      a. Uniform Loading, Structure: 100 psf.
      b. Uniform Loading, Seats: 120 plf.
   2. Sway Loads:
      a. Perpendicular to Seats: 10 plf.
      b. Parallel to Seats: 24 plf.
   3. Wind Loads: Local building code.
   4. Snow Loads: Local building code.
   5. Seismic Loads: Local building code.
   6. Handrail and Guardrail: 200 lbs. concentrated in any direction.

D. Shop Connections: Welded and capable of carrying stress put upon them.

E. Welding: [AWS D1.1]

2.3 CONTINUOUS ELEVATED ANGLE-FRAME BLEACHERS

A. Size of Bleacher: Reference architectural drawings

B. Framework: Space prefabricated angle bleacher frames at 6-foot intervals and connect by crossbraces.

C. Rise and Depth Dimensions:
   1. Vertical Rise per Row: 8 inches.
   2. Horizontal Depth per Row: 24 inches.
   3. Seat Above its Respective Tread: 17 inches.

D. Risers:
   1. 1/2-inch by 6-1/4-inch anodized aluminum board.
   2. At Top Row: 1/2-inch by 11-1/2-inch anodized aluminum board.

E. Seats: 1-1/2-inch by 9-1/2-inch anodized aluminum board with end caps.

F. Treads: Two 1-1/2-inch by 9-1/2-inch mill finish aluminum boards with end caps
   1. Decking system : Standard “semi-closed” decking system

G. Guardrail:
   1. Sides and back of bleachers, entry stairs, walkways, ramps, portals, and landings where 30 inches or more above adjacent area or grade.
   2. Material: Anodized aluminum pipe with end plugs at ends of straight runs or elbows at corners.
   3. Secure to angle posts with galvanized fasteners.
   4. Top Rail: 42 inches minimum above walkways, entrances, and any adjacent seat.
   5. Chain Link Fencing: 9-gauge galvanized steel, fastened in place with galvanized fittings and aluminum ties.

H. Front Walkway:
   1. Width: 68 inches.
   2. Elevated:
      a. On Slabs: 38-1/2 inches high above grade
   3. Deck: 1-1/2-inch by 9-1/2-inch mill finish aluminum boards.

I. Steps:
   1. Frames: Galvanized steel.
   2. 1-3/4-inch by 11-1/2-inch mill finish aluminum boards with 2-inch by 2-inch dark bronze contrasting nosing.

J. Entry Stairs:
   1. Entry Stairs, Guardrails, and Handrails: In accordance with local code requirements.
   2. Rise: 7 inches maximum.
   3. Tread: 11 inches minimum.

K. Aisle Width:
   1. Middle Aisle Width: 48 inches minimum.
   2. End Aisle Width: 36 inches minimum (If applicable)

L. Accessibility: Incorporate wheelchair spaces within bleachers to conform to applicable code and ADA.

2.4 MATERIALS

A. Framework:
   1. Galvanized Steel:
      a. ASTM A 36, ASTM A 572 Grade 50, and ASTM A 992.
      b. Hot-dipped galvanized after fabrication in accordance with ASTM A 123.

B. Seat Boards: Extruded aluminum alloy 6063-T6, clear anodized 204R1, AA-M10C22A31, Class II.

C. Riser Boards: Extruded aluminum alloy 6063-T6; clear anodized 204R1, AA-M10C22A31, Class II

D. Tread Boards: Extruded aluminum alloy 6063-T6, mill finish.

E. Guardrail: Aluminum anodized pipe, 1-5/8-inch OD.

F. Accessories:
1. Steel Bolts and Nuts: ASTM A 307, galvanized.
2. Structural Connections: Snug tight to conform to RCSC Specification for Structural Joints Using High-Strength Bolts.
3. Hold-Down Clip Assembly: Aluminum alloy 6063-T6.
4. Form-Fitted End Caps: Aluminum alloy 2024, clear anodized 204R1, AA-M10C22A31, Class II.
5. Channel End Caps: Aluminum alloy 6063-T6, clear anodized 204R1, AA-M10C22A31, Class II.

G. Concrete Foundations: Angle frame foundations must be flat and level with a max option of 1% slope from the front of the stand to the back of the stand. Sloping in multiple directions is NOT permitted. Please coordinate with concrete subcontractor prior to pour to maintain this requirement

PART 3 EXECUTION

3.1 EXAMINATION

A. Examine areas to receive continuous, elevated, angle-frame bleachers.

B. Notify Architect of conditions that would adversely affect installation or subsequent use.

C. Do not begin surface preparation or installation until unacceptable conditions are corrected.

3.2 PREPARATION

A. Install concrete foundations for continuous, elevated, angle-frame bleachers as specified in Section 03 30 00 and indicated on the Drawings.

3.3 INSTALLATION

A. Install continuous, elevated, angle-frame bleachers in accordance with manufacturer’s instructions at locations indicated on the Drawings.

B. Anchor bleachers securely in place to concrete foundations.

3.4 ADJUSTING

A. Inspect completed continuous, elevated, angle-frame bleachers and make necessary adjustments to ensure proper installation.

B. Repair minor damages to finish in accordance with manufacturer's instructions and as approved by Architect.

C. Remove and replace with new material, damaged components that cannot be successfully re-paired

3.5 PROTECTION

A. Protect completed continuous, elevated, angle-frame bleachers to ensure that, except for normal weathering, bleachers will be without damage or deterioration at time of Substantial Completion.

END OF SECTION