

PANELBOARD "RF1"										LOCATION: FIBER STUDIO 7320										225 A MAIN BUS RATING									
VOLTAGE : 208 Y/120V 3PH 4W										MOUNTING: SURFACE										175 A MAIN CIRCUIT BREAKER									
BRANCH CIRCUIT					BRANCH CIRCUIT					BRANCH CIRCUIT					BRANCH CIRCUIT					BRANCH CIRCUIT									
CMT	LOAD DESCRIPTION	LOAD (KVA)				WIRE SIZE	C (IN)	BRKR	TRIP/POLE	PHASE	BRKR	TRIP/POLE	WIRE SIZE	C (IN)	LOAD (KVA)				LOAD DESCRIPTION	CMT									
		LTO	REC	MTR	HVC										OTH	LTO	REC	MTR			HVC	OTH	LTO	REC	MTR	HVC	OTH		
1	REC-PROJECTION WALL 7320	0.72				2#12,1#120	3/4	201	A	201	2#12,1#120	3/4	0.52					PROJECTOR 7320	2										
3	REC-FIBER STUDIO 7320	0.72				2#12,1#120	3/4	201	A	201	2#12,1#120	3/4	0.52					SEWING MACHINE 72	4										
5	REC-FIBER STUDIO 7320	0.72				2#12,1#120	3/4	201	A	201	2#12,1#120	3/4	0.52					SEWING MACHINE 72	6										
7	REC-FIBER STUDIO 7320	0.54				2#12,1#120	3/4	201	A	201	2#12,1#120	3/4	0.52					SEWING MACHINE 72	8										
9	REC-FIBER STUDIO 7320	0.36				2#12,1#120	3/4	201	A	201	2#12,1#120	3/4	0.52					SEWING MACHINE 72	10										
11	CORD REEL 7320	0.36				2#12,1#120	3/4	201	A	201	2#12,1#120	3/4	0.52					SEWING MACHINE 72	12										
13	CORD REEL 7320	0.36				2#12,1#120	3/4	201	A	201	2#12,1#120	3/4	0.52					SEWING MACHINE 72	14										
15	REC-FIBER STUDIO 7320	0.36				2#12,1#120	3/4	201	A	201	2#12,1#120	3/4	0.52					SEWING MACHINE 72	16										
17	PROJECTOR 7320	0.18		0.60		2#12,1#120	3/4	201	A	201	2#12,1#120	3/4	0.52					SEWING MACHINE 72	18										
19	REC-MARKER BOARD	0.36				2#12,1#120	3/4	201	A	201	2#12,1#120	3/4	0.52					SEWING MACHINE 72	20										
21	REC-COM. ED. WEAHNG	0.36				2#12,1#120	3/4	201	A	201	2#12,1#120	3/4	0.52					SEWING MACHINE 72	22										
23	REC-COM. ED. WEAHNG	0.72				2#12,1#120	3/4	201	A	201	2#12,1#120	3/4	0.52					SEWING MACHINE 72	24										
25		0.00	0.00	0.00	0.00								0.00	1.20	0.00	0.00	0.40	0.00											
27	PANEL RF 2	0.00	0.36	0.00	0.00	0.00		100/3		100/3	SEE POWER RSR		0.00	1.20	0.00	0.00	1.20	0.00	PANEL RF 2	28									
29		0.00	0.72	0.00	0.00	0.00					SEE POWER RSR		0.00	0.00	0.00	0.00	1.20	0.00		30									
31	REC-PROJECTION WALL 7321	0.72				2#12,1#120	3/4	201	A	201	60/3	SEE POWER RSR							SURGE PROTECTION DEVICE	32									
33	SPARE																			34									
35	SPARE																			36									
37	SPARE																			38									
39	SPARE																			40									
41	SPARE																			42									

PANELBOARD "RP"										LOCATION: STORAGE ROOM 7308										100 A MAIN BUS RATING									
VOLTAGE : 208 Y/120V 3PH 4W										MOUNTING: SURFACE										60 A MAIN CIRCUIT BREAKER									
BRANCH CIRCUIT					BRANCH CIRCUIT					BRANCH CIRCUIT					BRANCH CIRCUIT					BRANCH CIRCUIT									
CMT	LOAD DESCRIPTION	LOAD (KVA)				WIRE SIZE	C (IN)	BRKR	TRIP/POLE	PHASE	BRKR	TRIP/POLE	WIRE SIZE	C (IN)	LOAD (KVA)				LOAD DESCRIPTION	CMT									
		LTO	REC	MTR	HVC										OTH	LTO	REC	MTR			HVC	OTH	LTO	REC	MTR	HVC	OTH		
1	REC-ARTS PHOTO 7308	0.90				2#12,1#120	3/4	201	A	201	60/3	SEE POWER RSR								SURGE PROTECTION DEVICE	2								
3	REC-ARTS PHOTO 7308	0.54				2#12,1#120	3/4	201	A	201											4								
5	REC-ARTS PHOTO 7308	0.54				2#12,1#120	3/4	201	A	201											6								
7	PROJECTOR 7308	0.18		0.60		2#12,1#120	3/4	201	A	201											8								
9	REC-PROJECTION WALL 7308	0.72				2#12,1#120	3/4	201	A	201											10								
11	REC-ARTS PHOTO 7308	0.18				2#12,1#120	3/4	201	A	201											12								
13	REC-ARTS PHOTO 7308	0.18				2#12,1#120	3/4	201	A	201											14								
15	REC-ARTS PHOTO 7308	0.18				2#12,1#120	3/4	201	A	201											16								
17	REC-ARTS PHOTO 7308	0.18				2#12,1#120	3/4	201	A	201											18								
19	REC-220V ARTS PHOTO 7308	0.18				2#12,1#120	3/4	201	A	201											20								
21		0.18				2#12,1#120	3/4	201	A	201											22								
23	POWER SHADING	1.20				2#12,1#120	3/4	201	A	201											24								
25	SPARE																				26								
27	SPARE																				28								
29	SPARE																				30								
31	SPARE																				32								
33	SPARE																				34								
35	SPARE																				36								
37	SPARE																				38								
39	SPARE																				40								
41	SPARE																				42								

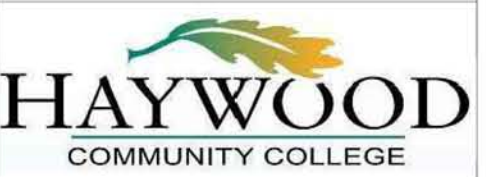
PANELBOARD "RU1"										LOCATION: STOR. 7303A										100 A MAIN BUS RATING									
VOLTAGE : 208 Y/120V 3PH 4W										MOUNTING: SURFACE										70 A MAIN CIRCUIT BREAKER									
BRANCH CIRCUIT					BRANCH CIRCUIT					BRANCH CIRCUIT					BRANCH CIRCUIT					BRANCH CIRCUIT									
CMT	LOAD DESCRIPTION	LOAD (KVA)				WIRE SIZE	C (IN)	BRKR	TRIP/POLE	PHASE	BRKR	TRIP/POLE	WIRE SIZE	C (IN)	LOAD (KVA)				LOAD DESCRIPTION	CMT									
		LTO	REC	MTR	HVC										OTH	LTO	REC	MTR			HVC	OTH	LTO	REC	MTR	HVC	OTH		
1	REC-PROJECTION WALL 7302	0.72				2#12,1#120	3/4	201	A	201											2								
3	PROJECTOR 7302	0.18		0.60		2#12,1#120	3/4	201	A	201											4								
5	REC-EDUCLECTURE 7302	0.72				2#12,1#120	3/4	201	A	201											6								
7	REC-EDUCLECTURE 7302	0.72				2#12,1#120	3/4	201	A	201											8								
9	REC-EDUCLECTURE 7302	0.72				2#12,1#120	3/4	201	A	201											10								
11	REC-WORKSTATIONS 7302	1.08				2#12,1#120	3/4	201	A	201											12								
13	REC-WORKSTATIONS 7302	1.08				2#12,1#120	3/4	201	A	201											14								
15	REC-WORKSTATIONS 7302	1.08				2#12,1#120	3/4	201	A	201											16								
17	REC-WORKSTATIONS 7302	1.08				2#12,1#120	3/4	201	A	201											18								
19	REC-WORKSTATIONS 7302	0.72				2#12,1#120	3/4	201	A	201											20								
21	REC-WORKSTATIONS 7302	0.72				2#12,1#120	3/4	201	A	201											22								
23	REC-WORKSTATIONS 7302	0.72				2#12,1#120	3/4	201	A	201											24								
25	REC-WORKSTATIONS 7302	0.72				2#12,1#120	3/4	201	A	201											26								
27	SPARE																				28								
29	SPARE																				30								
31	SPARE																				32								
33	SPARE																				34								
35	SPARE																				36								
37	SPARE																				38								
39	SPARE																				40								
41	SPARE																				42								

PANELBOARD "RU2"										LOCATION: MUSIC STORAGE 7313										100 A MAIN BUS RATING									
VOLTAGE : 208 Y/120V 3PH 4W										MOUNTING: SURFACE										70 A MAIN CIRCUIT BREAKER									
BRANCH CIRCUIT					BRANCH CIRCUIT					BRANCH CIRCUIT					BRANCH CIRCUIT					BRANCH CIRCUIT									
CMT	LOAD DESCRIPTION	LOAD (KVA)				WIRE SIZE	C (IN)	BRKR	TRIP/POLE	PHASE	BRKR	TRIP/POLE	WIRE SIZE	C (IN)	LOAD (KVA)				LOAD DESCRIPTION	CMT									
		LTO	REC	MTR	HVC										OTH	LTO	REC	MTR			HVC	OTH	LTO	REC	MTR	HVC	OTH		
1	REC-MULTI MEDIA 7316	0.36				2#12,1#120	3/4	201	A	201											2								
3	REC-MULTI MEDIA 7316	0.36				2#12,1#120	3/4	201	A	201											4								
5	REC-MULTI MEDIA 7316	0.36				2#12,1#120	3/4	201	A	201											6								
7	REC-PROJECTION WALL 7316	0.72				2#12,1#120	3/4	201	A	201											8								
9	PROJECTOR 7316	0.18		0.60		2#12,1#120	3/4	201	A	201											10								
11	JAY CABINET	0.36				2#12,1#120	3/4	201	A	201											12								
13	REC-MULTI MEDIA 7316	0.36				2#12,1#120	3/4	201	A	201											14								
15	REC-MULTI MEDIA 7316	0.36				2#12,1#120	3/4	201	A	201											16								
17	REC-MULTI MEDIA 7316	0.36				2#12,1#120	3/4	201	A	201											18								
19	REC-MULTI MEDIA 7316	0.36				2#12,1#120	3/4	201	A	201											20								
21	POWER SHADING	1.20				2#12,1#120	3/4	201	A	201											22								
23	SPARE																				24								
25	SPARE																				26								
27	SPARE																				28								
29	SPARE																				30								
31	SPARE		</																										



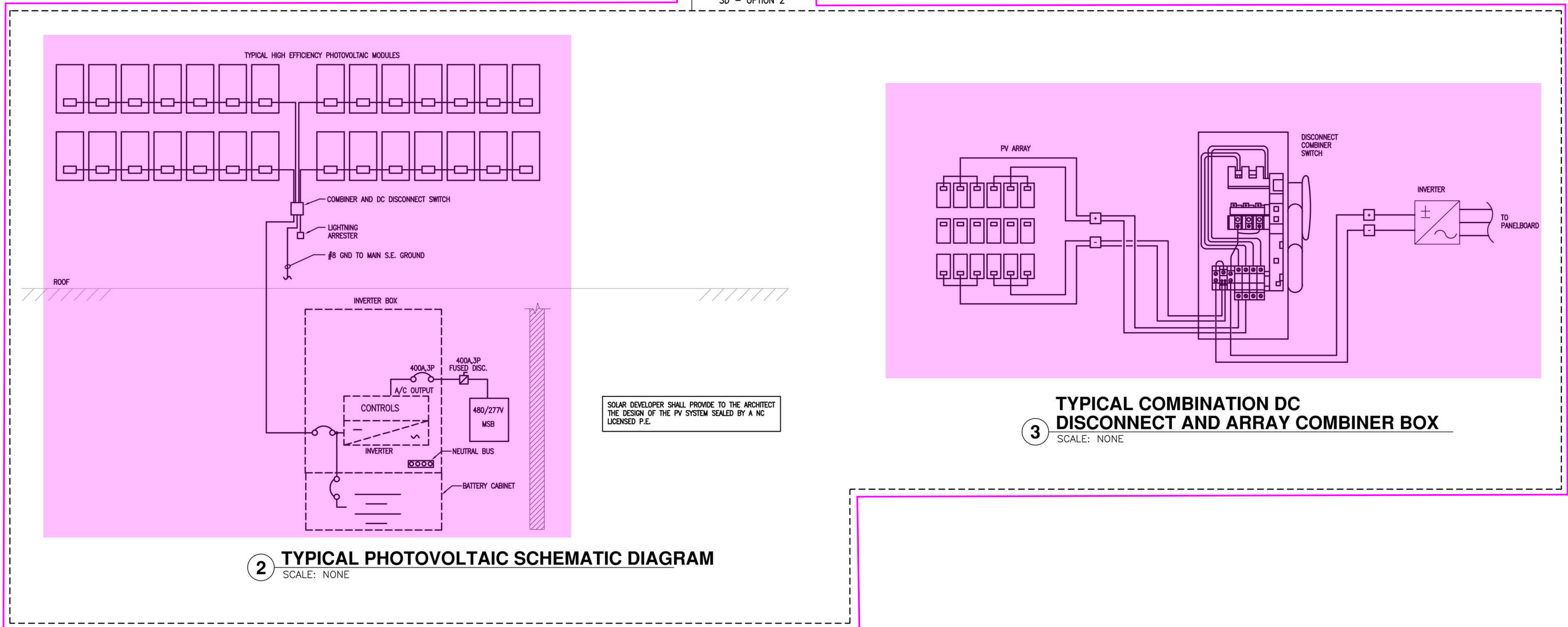
SEAL:

SEAL:



Solar Development Package
Creative Arts Building
Haywood Community College
Freedlander Dr. Clyde, NC 28721

SCOPE OF:
GC - NOT IN SCOPE
SD - OPTION 2

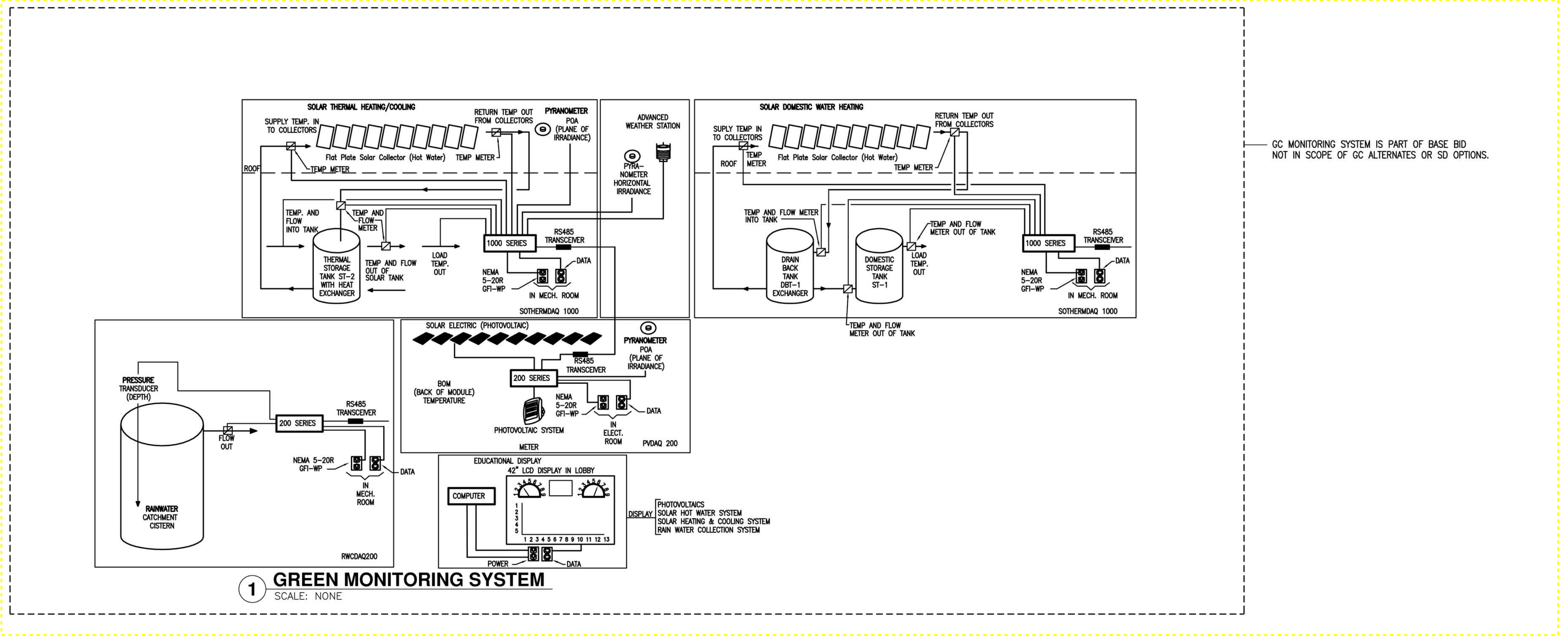


2 TYPICAL PHOTOVOLTAIC SCHEMATIC DIAGRAM
SCALE: NONE

3 TYPICAL COMBINATION DC DISCONNECT AND ARRAY COMBINER BOX
SCALE: NONE

SOLAR DEVELOPER SHALL PROVIDE TO THE ARCHITECT THE DESIGN OF THE PV SYSTEM SEALED BY A NC LICENSED P.E.

GC MONITORING SYSTEM IS PART OF BASE BID
NOT IN SCOPE OF GC ALTERNATES OR SD OPTIONS.



1 GREEN MONITORING SYSTEM
SCALE: NONE

1	Bid Set	4/08/10
NO.	SUBMISSION	DATE
CHECKED BY:		RJM
DRAWN BY:		JSJ
PROJECT NUMBER:		208064.00
SHEET NAME:		ELECTRICAL DETAILS
SHEET NUMBER:		