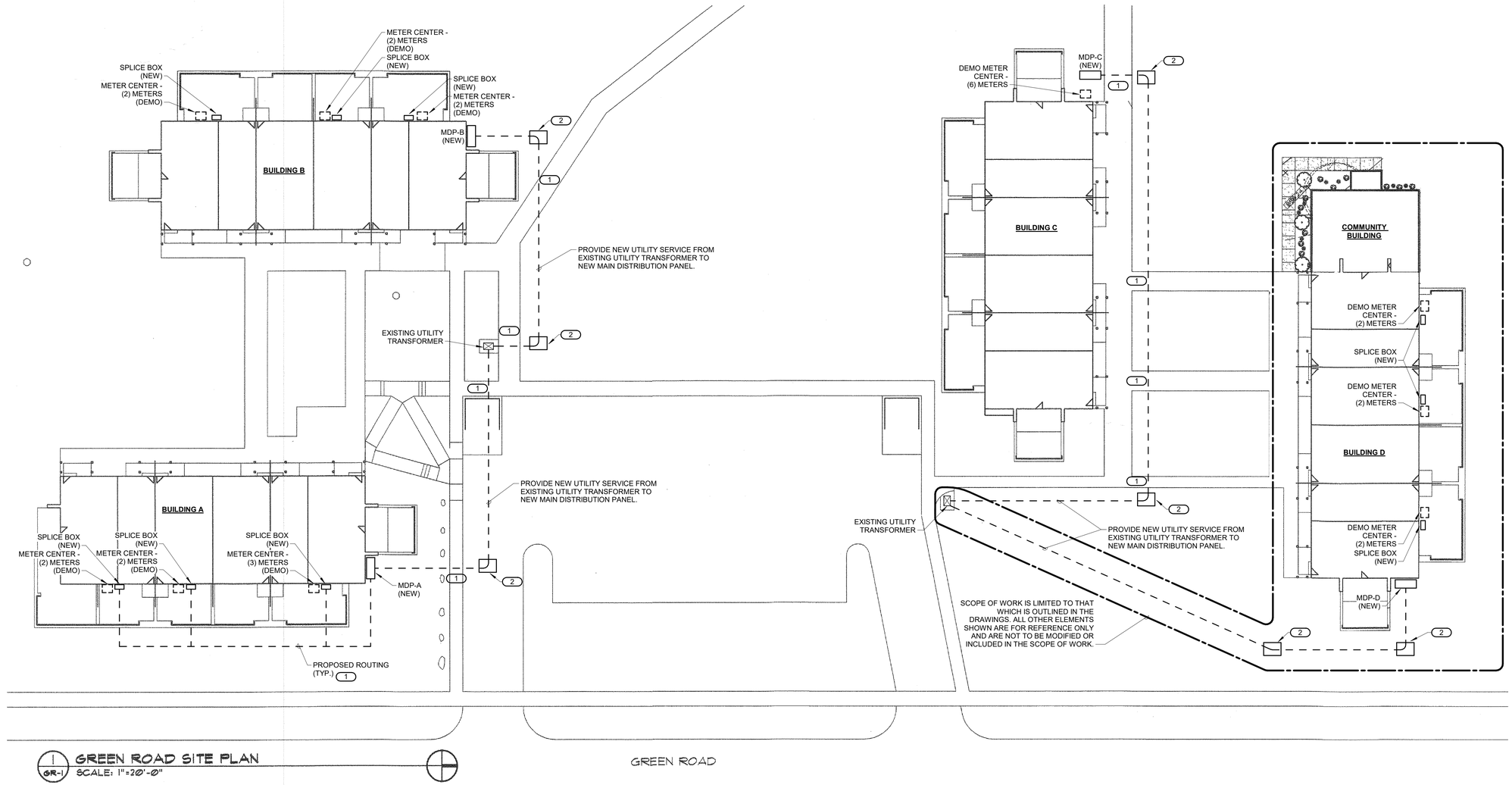
ELECTRICAL KEY NOTES: (#)

1. CONTRACTOR RESPONSIBLE FOR ANY DAMAGE TO SIDEWALK CONCRETE AND SHALL REPAIR ANY DAMAGE WHEN ROUTING CONDUIT.
2. NEW ELECTRICAL QUAZITE BOX APPROXIMATE SIZE IS 24"L X 24"W X 24"D



1 GR-1 GREEN ROAD SITE PLAN
SCALE: 1"=20'-0"

23004726.00 8/15/2025 10:32:33 AM Green Baxter

CITY OF ANN ARBOR MICHIGAN

Ann Arbor Housing Green Baxter

AACH CPF 501-03 Green Road
Ann Arbor, MI

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PROFESSIONAL SEAL

STATE OF MICHIGAN
ANDREW J DZIENNY
License No. 6201309704
LICENSED PROFESSIONAL ENGINEER

CONSULTANT

KEY PLAN

AGENCY APPROVAL

DISCLAIMER

0 1 2 3
REF. SCALE IN INCHES PROJECT #23004726.00

REVISIONS

No.	Date	Revision / Issue
1	4/18/2025	PROGRESS SET

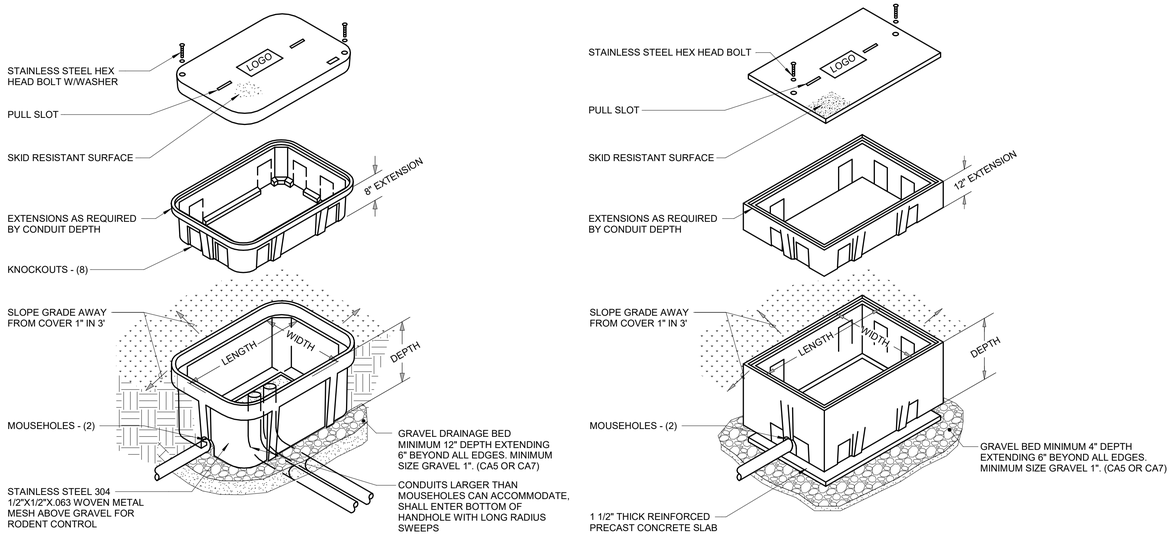
SHEET INFORMATION

Issue	Permit Set
Date	8/15/25
Project #	23004726.00
Drawn	GavHam
Checked	AndDzi
Approved	AndDzi

SHEET TITLE
LEVEL 01 PLAN - POWER

SCALE
Scale:

SHEET NUMBER
E201



NOTES:

1. ALL DIMENSIONS ARE NOMINAL INSIDE CLEARANCES.
2. ANY SPLICES OR DEVICES IN HANDHOLE SHALL BE SUBMERGIBLE.
3. [SEAL ALL CONDUIT ENDS WITH DUCTSEAL]

1 EXTERIOR HANDHOLE DETAIL

NO SCALE

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Date	**8/15/25**
Project #	**23004726.00**
Drawn	**Author**
Checked	**Checker**
Approved	**Approver**

SHEET TITLE

ELECTRICAL DETAILS

SCALE

Scale: **12" = 1'-0"**

SHEET NUMBER

E400

23004726.00 8/15/2025 10:32:33 AM Green Baxter

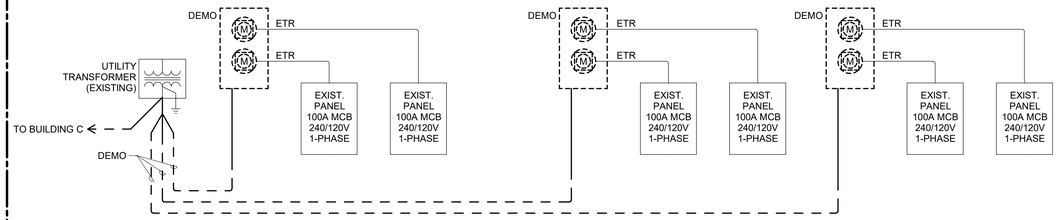
ELECTRICAL GENERAL NOTES:

1. THE EXISTING RESIDENTIAL UNITS ARE CURRENTLY METERED SEPARATELY.
2. A NEW SINGLE METER, PER BUILDING, WILL BE PROVIDED. A NEW SERVICE WILL BE FED FROM THE EXISTING UITILTY TRANSFORMER TO THE NEW METER BASE.
3. A NEW MAIN DISTRIBUTION PANEL (MDP) SHALL BE PROVIDED AND SHALL BE USED TO REFEED THE EXISTING RESIDENTIAL UNITS.
4. NEW INDIVIDUAL FEEDERS SHALL BE PROVIDED FROM THE MDP TO A SPLICE BOX TO INTERCEPT THE EXISTING RESIDENTAL PANEL FEEDERS.

ELECTRICAL KEY NOTES: (#)

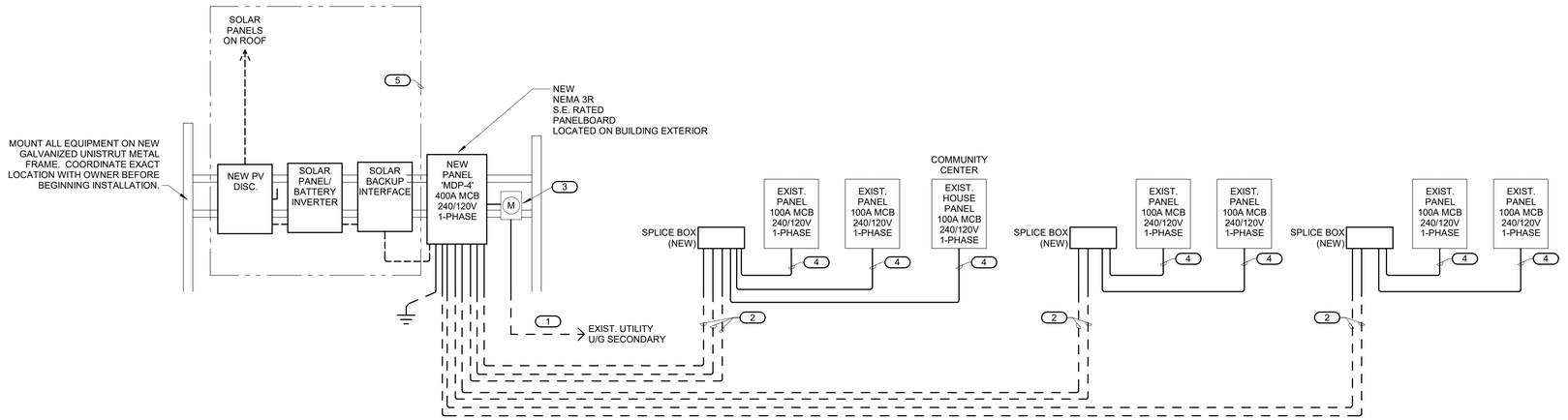
1. PROVIDE NEW 3 #600 KCMIL, #3 EGC, 4"C UTILITY SERVICE FROM EXISTING UTILITY TRANSFORMER TO NEW MAIN DISTRIBUTION PANEL.
2. PROVIDE NEW FEEDER CONDUCTORS TO NEW EXTERIOR MOUNTED SPLICE BOX. SPLICE TO EXISTING TENANT FEEDERS. REFER TO KEYNOTE 4 FOR ADDITIONAL INFORMATION.
3. PROVIDE NEW 400A METER BASE. COORDINATE METER TYPE WITH ELECTRIC UTILITY COMPANY.
4. REUSE EXISTING FEEDER CONDUCTOR ASSEMBLY TO TENANT PANEL. CONTRACTOR SHALL VERIFY THAT EXISTING FEEDERS MEET CURRENT AND LOCAL BUILDING CODES.
5. SOLAR EQUIPMENT DESIGN, AND INSTALLATION PROVIDED UNDER SEPERATE CONTRACT. SOLAR EQUIPMENT WILL BE INSTALLED ON STRUCTURE PROVIDED UNDER THIS CONTRACT.

SCOPE OF WORK IS LIMITED TO THAT WHICH IS OUTLINED IN THE DRAWINGS. ALL OTHER ELEMENTS SHOWN ARE FOR REFERENCE ONLY AND ARE NOT TO BE MODIFIED OR INCLUDED IN THE SCOPE OF WORK.



1 DEMO WORK RISER DIAGRAM - BUILDING D

NO SCALE



2 NEW WORK RISER DIAGRAM - BUILDING D

NO SCALE

CITY OF ANN ARBOR MICHIGAN

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Drawn	**GavHam**
Checked	**AndDzi**
Approved	**AndDzi**

SHEET TITLE

ELECTRICAL DIAGRAMS - BUILDING D

SCALE

Scale: **12" = 1'-0"**

SHEET NUMBER

E503

PANEL MDP-A

MOUNTING: SURFACE
ENCLOSURE: NEMA 3R

SINGLE TUB
SOLID NEUTRAL
GROUND BUS

MAIN: 400 MCB
VOLTS: 120/240 Single
PHASE: 1
WIRE: 3
SCCR: 40 kA

NOTES: NEW MAIN DISTRIBUTION PANEL FOR BUILDING A

KEY	CKT NO.	LOAD DESCRIPTION	OCPD AMPS	P	WIRE SIZE H	N	G	A		B		WIRE SIZE G	N	H	P	OCPD AMPS	LOAD DESCRIPTION	CKT NO.	KEY
	1	BUILDING A - UNIT 1701	100	2	1	--	8	4.2	4.2			8	--	1	2	100	BUILDING A - UNIT 1703	2	
--	3	--	--	--	--	--	--			4.2	4.2	--	--	--	--	--	--	4	--
	5	BUILDING A - UNIT 1705	100	2	1	--	8	4.2	4.2			8	--	1	2	100	BUILDING A - UNIT 1707	6	
--	7	--	--	--	--	--	--			4.2	4.2	--	--	--	--	--	--	8	--
	9	BUILDING A - UNIT 1709	100	2	1	--	8	4.2	4.2			8	--	1	2	100	BUILDING A - UNIT 1711	10	
--	11	--	--	--	--	--	--			4.2	4.2	--	--	--	--	--	--	12	--
--	13	BUILDING A - FUTURE SOLAR ARRAY	150	2	--	--	--	0	4.2			8	--	1	2	100	BUILDING A AND B HOUSE PNL.	14	
--	15	--	--	--	--	--	--			0	4.2	--	--	--	--	--	--	16	--
	17																	18	
	19																	20	
	21																	22	
	23																	24	
	25																	26	
	27																	28	
	29																	30	
								Total Load:	29.40 kVA	29.40 kVA									
								Total Amps:	245.00	245.00									

LOAD SUMMARY

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND
Power	58.8 kVA	100.00%	58.8 kVA

TOTALS*	
TOTAL CONNECTED LOAD:	58.80 kVA
TOTAL ESTIMATED DEMAND LOAD:	58.8 kVA
TOTAL CONNECTED AMPS:	245.00 A
TOTAL ESTIMATED DEMAND AMPS:	245

*TOTAL DEMAND CALCS SUBTRACT ANY REDUNDANT LOAD AND THE SMALLER OF ANY NONCOINCIDENT HVAC LOADS. THIS CALC IS DONE AT EACH PANEL.

CIRCUIT KEY NOTES:

PANEL MDP-B

MOUNTING: SURFACE
ENCLOSURE: NEMA 3R

SINGLE TUB
SOLID NEUTRAL
GROUND BUS

MAIN: 400 MCB
VOLTS: 120/240 Single
PHASE: 1
WIRE: 3
SCCR: 40 kA

NOTES: NEW MAIN DISTRIBUTION PANEL FOR BUILDING B

KEY	CKT NO.	LOAD DESCRIPTION	OCPD AMPS	P	WIRE SIZE H	N	G	A		B		WIRE SIZE G	N	H	P	OCPD AMPS	LOAD DESCRIPTION	CKT NO.	KEY
	1	BUILDING B - UNIT 1713	100	2	1	--	8	4.2	4.2			8	--	1	2	100	BUILDING B - UNIT 1715	2	
--	3	--	--	--	--	--	--			4.2	4.2	--	--	--	--	--	--	4	--
	5	BUILDING B - UNIT 1717	100	2	1	--	8	4.2	4.2			8	--	1	2	100	BUILDING B - UNIT 1719	6	
--	7	--	--	--	--	--	--			4.2	4.2	--	--	--	--	--	--	8	--
	9	BUILDING B - UNIT 1721	100	2	1	--	8	4.2	4.2			8	--	1	2	100	BUILDING B - UNIT 1723	10	
--	11	--	--	--	--	--	--			4.2	4.2	--	--	--	--	--	--	12	--
--	13	BUILDING B - FUTURE SOLAR ARRAY	150	2	--	--	--	0										14	
--	15	--	--	--	--	--	--			0								16	
	17																	18	
	19																	20	
	21																	22	
	23																	24	
	25																	26	
	27																	28	
	29																	30	
								Total Load:	25.20 kVA	25.20 kVA									
								Total Amps:	210.00	210.00									

LOAD SUMMARY

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND
Power	50.4 kVA	100.00%	50.4 kVA

TOTALS*	
TOTAL CONNECTED LOAD:	50.40 kVA
TOTAL ESTIMATED DEMAND LOAD:	50.4 kVA
TOTAL CONNECTED AMPS:	210.00 A
TOTAL ESTIMATED DEMAND AMPS:	210

*TOTAL DEMAND CALCS SUBTRACT ANY REDUNDANT LOAD AND THE SMALLER OF ANY NONCOINCIDENT HVAC LOADS. THIS CALC IS DONE AT EACH PANEL.

CIRCUIT KEY NOTES:

PANEL MDP-C

MOUNTING: SURFACE
ENCLOSURE: NEMA 3R

SINGLE TUB
SOLID NEUTRAL
GROUND BUS

MAIN: 400 MCB
VOLTS: 120/240 Single
PHASE: 1
WIRE: 3
SCCR: 40 kA

NOTES: NEW MAIN DISTRIBUTION PANEL FOR BUILDING C

KEY	CKT NO.	LOAD DESCRIPTION	OCPD AMPS	P	WIRE SIZE H	N	G	A		B		WIRE SIZE G	N	H	P	OCPD AMPS	LOAD DESCRIPTION	CKT NO.	KEY
	1	BUILDING C - UNIT 1725	100	2	1	--	8	4.2	4.2			8	--	1	2	100	BUILDING C - UNIT 1727	2	
--	3	--	--	--	--	--	--			4.2	4.2	--	--	--	--	--	--	4	--
	5	BUILDING C - UNIT 1729	100	2	1	--	8	4.2	4.2			8	--	1	2	100	BUILDING C - UNIT 1731	6	
--	7	--	--	--	--	--	--			4.2	4.2	--	--	--	--	--	--	8	--
	9	BUILDING C - UNIT 1733	100	2	1	--	8	4.2	4.2			8	--	1	2	100	BUILDING C - UNIT 1735	10	
--	11	--	--	--	--	--	--			4.2	4.2	--	--	--	--	--	--	12	--
--	13	BUILDING C - FUTURE SOLAR ARRAY	150	2	--	--	--	0										14	
--	15	--	--	--	--	--	--			0								16	
	17																	18	
	19																	20	
	21																	22	
	23																	24	
	25																	26	
	27																	28	
	29																	30	
								Total Load:	25.20 kVA	25.20 kVA									
								Total Amps:	210.00	210.00									

LOAD SUMMARY

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND
Power	50.4 kVA	100.00%	50.4 kVA

TOTALS*	
TOTAL CONNECTED LOAD:	50.40 kVA
TOTAL ESTIMATED DEMAND LOAD:	50.4 kVA
TOTAL CONNECTED AMPS:	210.00 A
TOTAL ESTIMATED DEMAND AMPS:	210

*TOTAL DEMAND CALCS SUBTRACT ANY REDUNDANT LOAD AND THE SMALLER OF ANY NONCOINCIDENT HVAC LOADS. THIS CALC IS DONE AT EACH PANEL.

CIRCUIT KEY NOTES:

PANEL MDP-D

MOUNTING: SURFACE
ENCLOSURE: NEMA 3R

SINGLE TUB
SOLID NEUTRAL
GROUND BUS

MAIN: 400 MCB
VOLTS: 120/240 Single
PHASE: 1
WIRE: 3
SCCR: 40 kA

NOTES: NEW MAIN DISTRIBUTION PANEL FOR BUILDING D

KEY	CKT NO.	LOAD DESCRIPTION	OCPD AMPS	P	WIRE SIZE H	N	G	A		B		WIRE SIZE G	N	H	P	OCPD AMPS	LOAD DESCRIPTION	CKT NO.	KEY
	1	BUILDING D - UNIT 1737	100	2	1	--	8	4.2	4.2			8	--	1	2	100	BUILDING D - UNIT 1739	2	
--	3	--	--	--	--	--	--			4.2	4.2	--	--	--	--	--	--	4	--
	5	BUILDING D - UNIT 1741	100	2	1	--	8	4.2	4.2			8	--	1	2	100	BUILDING D - UNIT 1743	6	
--	7	--	--	--	--	--	--			4.2	4.2	--	--	--	--	--	--	8	--
	9	BUILDING D - UNIT 1745	100	2	1	--	8	4.2	4.2			8	--	1	2	100	BUILDING D - UNIT 1747	10	
--	11	--	--	--	--	--	--			4.2	4.2	--	--	--	--	--	--	12	--
--	13	BUILDING D - FUTURE SOLAR ARRAY	150	2	--	--	--	0	4.2			8	--	1	2	100	BUILDING D - COMMUNITY CENTER	14	
--	15	--	--	--	--	--	--			0	4.2	--	--	--	--	--	--	16	--
	17																	18	
	19																	20	
	21																	22	
	23																	24	
	25																	26	
	27																	28	
	29																	30	
								Total Load:	29.40 kVA	29.40 kVA									
								Total Amps:	245.00	245.00									

LOAD SUMMARY

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND
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TOTAL CONNECTED AMPS:	245.00 A
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CIRCUIT KEY NOTES:

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AGENCY APPROVAL

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Drawn	**GavHam**
Checked	**AndDzi**
Approved	**AndDzi**

SHEET TITLE

ELECTRICAL PANEL SCHEDULES

SCALE

Scale:

SHEET NUMBER

E700