- 1. ALL WORK, MATERIAL AND EQUIPMENT SHALL COMPLY WITH THE LATEST NATIONAL ELECTRICAL CODE BEING USED BY THE LOCAL JURISDICTION AND SHALL COMPLY WITH ALL LOCAL CODES AND ORDINANCES.
- 2. MATERIALS AND EQUIPMENT SHALL BE NEW EXCEPT WHERE INDICATED OTHERWISE. ALL OTHER WIRING DEVICES, CONDUIT, WIRE, ETC. SHALL BE NEW UNLESS NOTED OTHERWISE.
- 3. ALL MATERIALS AND EQUIPMENT SHALL BEAR U.L. LISTING.
- 4. MAINTAIN GROUNDING CONTINUITY TO ALL DEVICES AND EQUIPMENT IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE.
- 5. WORK NOT SPECIFICALLY SPECIFIED OR INDICATED SHALL CONFORM WITH SPECIFICATIONS.
- 6. ALL CONDUITS SHALL BE RUN CONCEALED IN UNDER FLOOR DUCT.
- 7. ALL WIRE AND CABLE SHALL BE COPPER HAVING 600 VOLTS XHHW-2 OR RHW-2 INSULATIONS. PROVIDE #12 WIRE MINIMUM, UNLESS OTHERWISE NOTED, ALL CABLES SHALL BE LOW SMOKE ZERO HALOGEN CABLE.
- B. THE CONTRACTOR SHALL VISIT THE SITE AND EXAMINE THE CONDITION OF THE PREMISES AND THE CHARACTER AND EXTENT OF WORK REQUIRED PRIOR TO SUBMISSION OF BIDS.
- 9. OBTAIN ALL PERMITS AND PAY ALL FEES NECESSARY FOR INSPECTIONS, TESTS & OTHER SERVICES REQUIRED FOR THE COMPLETION OF THIS WORK.
- 10. ALL WORK SHALL BE DONE AT SUCH TIMES AND IN SUCH A MANNER THAT WILL LEAST INTERFERE WITH THE MAINTENANCE AND OPERATION OF ALL RELATED OR AFFECTED SYSTEMS. COORDINATE ALL POWER OUTAGES WITH WMATA PROJECT MANAGER.
- 11. IT IS THE INTENT OF THESE DRAWINGS AND OTHER RELATED DOCUMENTS TO PRODUCE A COMPLETE AND FUNCTIONING ELECTRICAL SYSTEM. PROVIDE ALL LABOR, MATERIAL AND OTHER SERVICES NECESSARY TO ACHIEVE THIS PRODUCT. NOTIFY THE ENGINEER OF ANY DISCREPANCIES IN THE PLANS & SPECIFICATIONS THAT WILL AFFECT THE WORK, PRIOR TO SUBMISSION OF THE BID PRICE.
- 12. IF, DURING THE COURSE OF THE WORK, THE CONTRACTOR EXPERIENCES A CONFLICT RELATIVE TO THE PLANS AND SPECIFICATIONS, THE NEC OR OTHER APPLICABLE CODES AND GOVERNING DOCUMENTS. HE SHALL NOTIFY THE ENGINEER FOR DIRECTION PRIOR TO EXECUTION OF THIS WORK. ANY WORK INSTALLED IN VIOLATION OF THE CONTRACT DOCUMENT OR APPLICABLE CODES WHICH COULD HAVE BEEN AVOIDED BY CONTACTING THE ENGINEER SHALL BE RECTIFIED AT NO ADDITIONAL COST.
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- 15. INCREASE ALL BRANCH CIRCUIT CONDUCTORS TO THE NEXT LARGER SIZE FROM THE PANEL TO THE FIRST OUTLET WHERE THE LENGTH OF THE HOMERUN EXCEEDS 100FT. ON 120/208V CIRCUITS.
- 16. PROVIDE A PULLWIRE OR FISHTAPE/CORD IN ALL EMPTY CONDUIT RUNS.
- 17. VERIFY WIRE SIZES, CIRCUIT BREAKERS AND FUSES RATINGS FOR ALL EQUIPMENT, AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES AFFECTING THE WORK PRIOR TO PROCEEDING.
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- 21. AT JOB COMPLETION, AND BEFORE FINAL ACCEPTANCE BY WMATA, TEST EACH RECEPTACLE AND PANELBOARD FOR PROPER OPERATION. WIRING SHALL BE TESTED FOR CONTINUITY, SHORTS, ETC ... ALL WORK AREAS, ETC., SHALL BE CLEANED AT THE COMPLETION OF THIS PROJECT.
- 22. FOR DEVICE IDENTIFICATION, THE ELECTRICAL CONTRACTOR SHALL LABEL ALL PANELBOARDS, JUNCTION BOXES, ETC .. TO INDICATE THE NAME, VOLTAGE, SERVING EQUIPMENT AND ITEM SERVED ETC ... LABELS FOR EMERGENCY CIRCUITS SHALL BE IN RED, NORMAL CIRCUITS SHALL BE IN BLACK. ALL DEVICES SHALL BE IDENTIFIED EITHER ON THE FACE OF THE COVERPLATE OR INSIDE PER WMATA PREFERENCE. ALL JUNCTION BOXES SHALL BE LABELED TO INDICATE THE CIRCUITS CONTAINED BY THE JUNCTION BOX.
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- 24. INCLUDE GPR FOR ANY CORE DRILLS OR DRILLED PENETRATIONS IN ANY WALLS.
- 25. SEAL OFF ALL PENETRATIONS THRU WALLS/FLOORS.
- 26. THE CONTRACTOR SHALL BECOME FAMILIAR WITH WMATA DESIGN CRITERIA SECTION 4 AND SECTION 13; WMATA SPECIFICATION SECTION 16120, 16130, AND 16125. ALL INSTALLATION SHALL BE IN COMPLIANCE WITH THE NEC, WMATA DESIGN CRITERIA, AND SPECIFICATIONS.
- 27. THE CONTRACTOR SHALL IDENTIFY SPARE CIRCUIT WITH "RESERVED FOR AFC".
- 28. EXISTING SWITCHBOARDS, PANELBOARDS AND EQUIPMENT SHOWN IS BASED ON RECORD DRAWINGS AND CASUAL FIELD SURVEY. CONTRACTOR SHALL VERIFY ALL ELECTRICAL EQUIPMENT IN FIELD.
- 29. The conduit utilized for this project shall be 1-1/2" min. or larger as indicated. The liquid tight utilized for the kiosk shall be 1-1/2" from the entry to the 8x8 iunction box. then 1" from the junction box to the quads. All boxes used in or on the kiosk shall be NEMA 4x.

#### ABBREVIATIONS

A, AMP	AMPERES	NEC	NATIONAL ELECTRIC CODE
AC	ALTERNATING CURRENT	P	POLE
AF	AMPERE FRAME	PH	PHASE
AFC	AUTOMATED FARE COLLECTION SYSTEM	PNL	PANELBOARD
		PRI	PRIMARY
AFF	ABOVE FINISHED FLOOR	PROP	PROPOSED
AIC	AMPERE INTERRUPTING CAPACITY	RGS	RIGID GALVANIZED STEEL
AT	AMPERE TRIP	SEC	SECONDARY
BKR	BREAKER	SHT	SHEET
С	CONDUIT		
CB	CIRCUIT BREAKER	SW	SWITCH
CCT	CIRCUIT	SWBD	SWITCHBOARD
Ę	CENTER LINE	TYP	TYPICAL
CLG	CEILING	U/G	UNDER GROUND
CONST	CONSTRUCTION	U.L.	UNDERWRITERS LABORATORIES
DISC	DISCONNECT	UON	UNLESS OTHERWISE NOTED
		VOLT	VOLTAGE
E	ELECTRICAL	W	WATT
GND	GROUND	WMATA	WASHINGTON METROPOLITIAN
18	JUNCTION BOX		AREA TRANSIT AUTHORITY
KAIC	THOUSAND AMPERE INTERRUPTING CAPACITY	WP	WEATHERPROOF
KCMIL	THOUSAND CIRCULAR MILL		
KVA	KILOVOLT AMPERE		
MAX	MAXIMUM		
MCA	MINIMUM CIRCUIT AMPERE		
мсв	MAIN CIRCUIT BREAKER		
MEZZ	MEZZANINE		
MIN	мінімим		
MLO	MAIN LUGS ONLY		

						ONTRACT NO
						14-FQ10060-CENI-
		REFERENCE DRAWINGS	i i i i i i i i i i i i i i i i i i i	REVISIONS	WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY NEW ELECTRONIC PAY PRO	OGRAM (NEP
ESIGNED C. NGO	07-14 NUMBER	DESCRIPTION	DATE BY	DESCRIPTION	IN METROPOLITAN AREA TRANSIT AUTHORITY	
AWN C. NGO	07-14 DATE				DEPARTMENT OF TRIMINE ASTRUCTURE	
ECKED <u>8. IDILƏI</u>	07-14 DATE				AND ENGINEERING SERVICES JOINT VENTURE SPECIFICATIONS, BRAVING	
PPROVED N/A	DATE				APPROVED SUBMITTED PROJECT MANAGER SCALE NOT TO SCALE A07-E-001	84

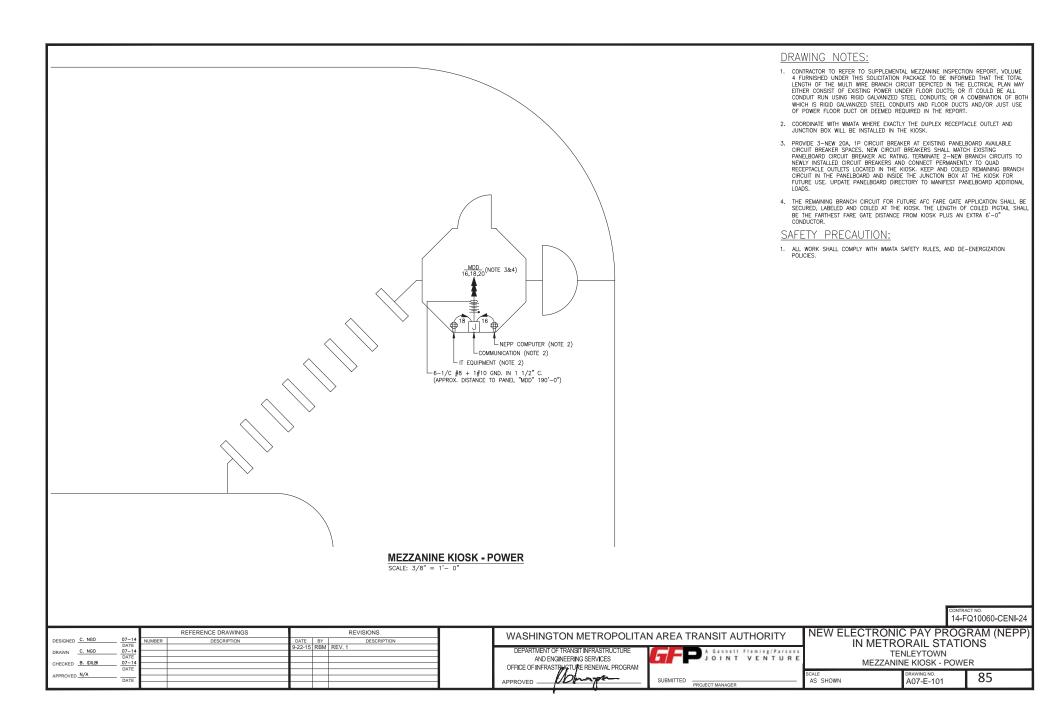
# DRAWING INDEX

A07-E-001 ABBREVIATIONS,	DRAWING INDEX, SPECIFICATIONS & SYMBOL LIST
A07-E-101 TENLEYTOWN -	MEZZANINE KIOSK - POWER
A07-E-102 TENLEYTOWN -	PANEL SCHEDULE
A07-E-301 TENLEYTOWN -	PANELBOARD IMAGE
MM-A-E19 TENLEYTOWN -	AC POWER ONE LINE DIAGRAM

# ELECTRICAL SYMBOL LIST

Ŧ	QUADRUPLEX RECEPTACLE OUTLET- 20A, 125V WALL MOUNTED.
J	JUNCTION BOX - SURFACE MOUNTED ON UNISTRUT CHANNEL
	CONDUIT - CONCEALED IN UNDER FLOOR DUCT U.O.N.
<u>EF</u> 3,5	HOMERUN TO PANEL, NUMBER OF ARROWHEADS INDICATES NUMBER OF CIRCUITS. CROSS HATCHING INDICATES NUMBER OF CONDUCTORS, NUMBER INDICATES SIZE OF CONDUCTOR AND SIZE OF CONDUIT [ - INDICATES GROUNDING WIRE TO GROUNDING BUS AT THE PANELBOARD

- INDICATES CIRCUIT HOME RUN PANELBOARD AND 1.3 CIRCUIT NUMBER IDENTIFICATION

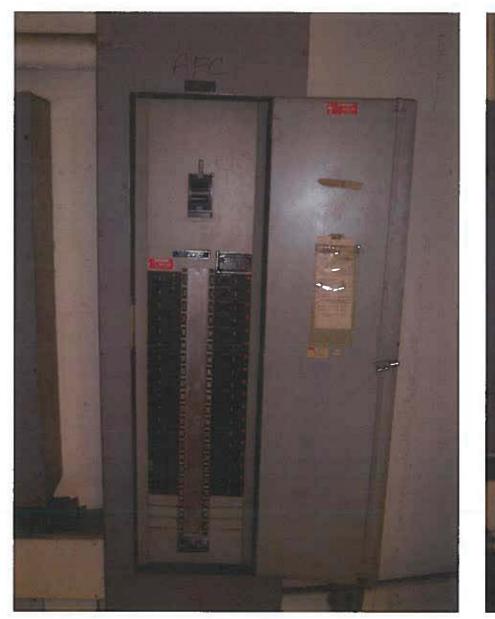


AMPERES: 225	VOLT S:	120/208		MOUN	ITING:	SURFA	ACE			
MAINS: 200A MCB	PHASE: 3			LOCATION: ROOM C206 MECH. EQUIPMENT						
RATING: 10K AIC					ION: 1					·
		CKT	BKRS	CKT.		CKT.	СКТ	BKRS		
LOAD DESCRIPTION	KVA	AMP	POLE	-		NO.	POLE	AMP	KVA	LOAD DESCRIPTION
EXISTING VENDOR	0.8	20	1	1	A	2	1	20	0.8	EXISTING VENDOR
EXISTING VENDOR	0.8	20	1	3	- B -	4	1	20	0.8	EXISTING VENDOR
EXIST ING VENDOR	0.8	20	1	5	C	6	1	20	0.8	EXISTING VENDOR
EXISTING VENDOR	0.8	20	1	7	A	8	1	20	0.8	EXISTING VENDOR
EXISTING VENDOR	0.8	20	1	9	- B -	10	1	20	0.8	EXISTING VENDOR
EXISTING VENDOR	0.8	20	1	11	C	12	1	20	0.8	EXISTING VENDOR
EXISTING VENDOR	0.8	20	1	13	A	14	1	20	0.8	EXISTING VENDOR
EXISTING VENDOR	0.8	20	1	15	- B -	16	1	20	0.8	NEW KIOSK RECEPT. (IT & NEPP
EXISTING VENDOR	0.8	20	1	17	C	18	1	20	0.8	NEW KIOSK RECEPT. (NEPP/SOC
EXISTING VENDOR	0.0	20	1	19	A	20	1	20	0.0	FUTURE AFC FARE GATE
EXISTING VENDOR	0.8	20	1	21	- B -	20	1	20	0.0	SPARE
SPARE	0.0	20	1	23	C	24	1	20	0.0	SPARE
EXISTING VENDOR	0.0	20	1	25	A	24	1	20	0.0	EXISTING VENDOR
SPARE	0.0	20	1	27	- B -	20	1	20	0.8	EXISTING VENDOR
SPARE	0.0	20	1	29	C	30	1	20	0.0	SPARE
EXISTING LOAD CENTER "KES"	2.9	40	3	31	A	30	1	20	0.0	SPARE
EXISTING LOAD GENTER RES	2.9	40	-	33	- B -	34	1	20	0.0	SPARE
	2.5	-	-	35	- B -	34	1	20	0.0	SPARE
SPACE	0.0		· ·	37		38	-	- 20	0.0	SPACE
SPACE	0.0	-	· ·	39	A - B -	40	•		0.0	SPACE
SPACE	0.0		-	39 41	- B -	40			0.0	SPACE
SPAGE	0.0		•	41	C	42	•		0.0	SPACE
					SUN	1MA	RY			
LIGHTS		0.0	) x 125%	6					0.0	) KVA
RECEPTACLES, FIRST 10 KVA		10.0	x 100%	6					10.0	) KVA
RECEPTACLES		8.0	x 50%	4.0 KVA						
MISC. APPLIANCES		0.0	x 100%	6 0.0 KVA						
LARGEST MOTOR		0.0	x 1259	% 0.0 KVA						
MOTORS 0.0 x 100%				6					0.0	) KVA
HEAT 3.0 x 125%										KVA
AC 4.5 x 100%										KVA
WATER HEATING 0.0 x 125%										) KVA
TOTAL CONNECTED LOAD			5 KVA	Ť	тот		IAND K	V۵		KVA
I GIAL SOUNLOILD LOAD		20.0					IAND A			AMPS
					1017		ANDA		01.0	
CONNECTED LOAD PHASE SUM	MART									
PHASE A:	WANT		KVA							
	MART	8.9	KVA KVA KVA							

			CONTRACT NO. 14-FQ10060-CENI-2
DESIGNED C. NGO 07-14	REFERENCE DRAWINGS	REVISIONS DATE BY DESCRIPTION	WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY NEW ELECTRONIC PAY PROGRAM (NEPF
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			APPROVED VOI TO SCALE A07-E-102

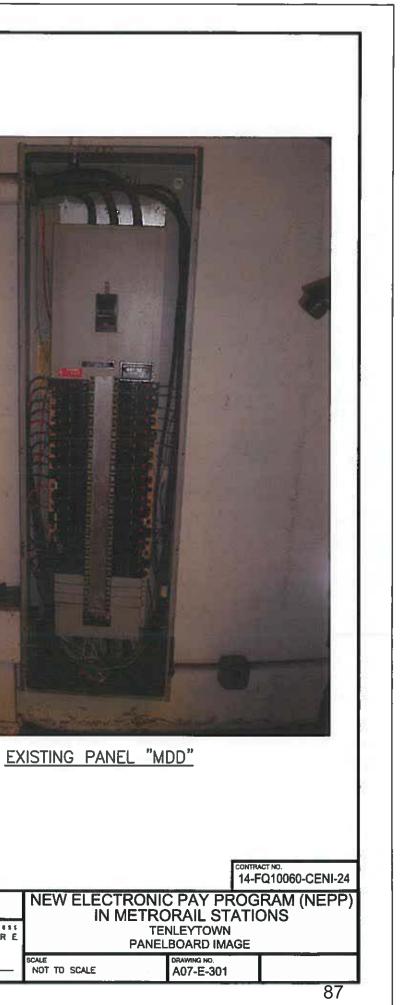


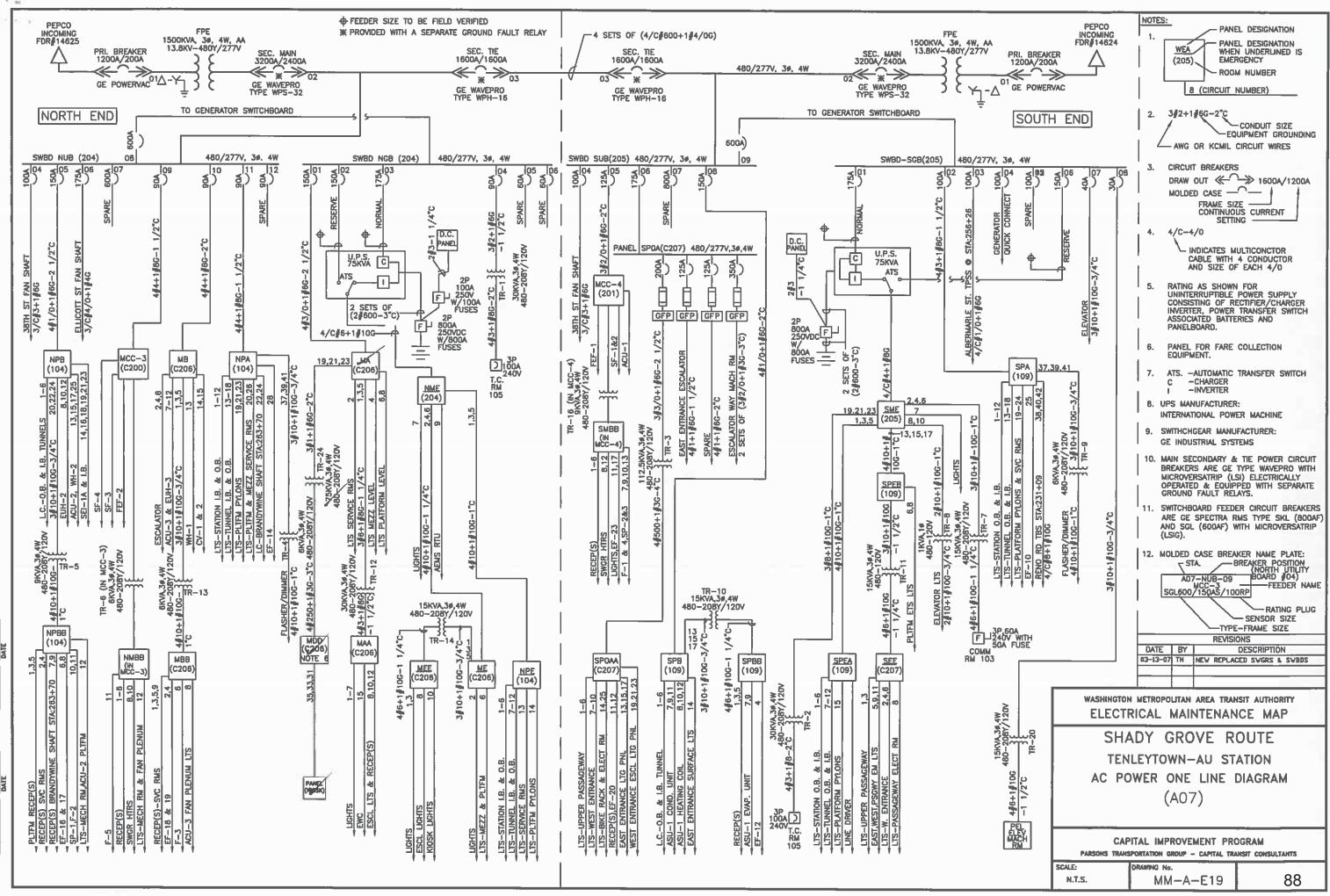
EXISTING PANEL "MDD"



EXISTING PANEL "MDD"

	REFERENCE DRAWINGS	REVISIONS	WASHINGTON METRODOLITAN ADEA TRANSIT AUTHORITY
DESIGNED C. NGO 07-14 DATE	NUMBER DESCRIPTION	DATE BY DESCRIPTION	WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY
DRAWN <u>C. NGO</u> DATE	· · · · · · · · · · · · · · · · · · ·		DEPARTMENT OF TRANSIT INFRASTRUCTURE
CHECKED B. IDILBI 07-14	· · · · · · · · · · · · · · · · · · ·		
APPROVED N/A			OFFICE OF INFRASTRUCTURE RENEWAL PROGRAM
DATE			APPROVED SUBMITTED
			AFFROTED PROJECT MANAGER





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### ABBREVIATIONS

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AT	AMPERE TRIP	RGS	RIGID GALVANIZED STEEL
BKR	BREAKER	SEC	SECONDARY
С	CONDUIT	SHT	SHEET
СВ	CIRCUIT BREAKER	SW	SWITCH
ССТ	CIRCUIT	SWBD	SWITCHBOARD
ç	CENTER LINE	TYP	TYPICAL
CLG	CEILING	U/G	UNDER GROUND
CONST	CONSTRUCTION	U.L.	UNDERWRITERS LABORATORIES
DISC	DISCONNECT	UON	UNLESS OTHERWISE NOTED
E	ELECTRICAL	VOLT	VOLTAGE
GND	GROUND	W	WATT
JB	JUNCTION BOX	WMATA	WASHINGTON METROPOLITIAN AREA TRANSIT AUTHORITY
KAIC	THOUSAND AMPERE INTERRUPTING CAPACITY	WP	WEATHERPROOF
KCMIL	THOUSAND CIRCULAR MILL		
KVA	KILOVOLT AMPERE		
MAX	MAXIMUM		
MCA	MINIMUM CIRCUIT AMPERE		
MCB	MAIN CIRCUIT BREAKER		
MEZZ	MEZZANINE		
MIN	MINIMUM		
MLO	MAIN LUGS ONLY		

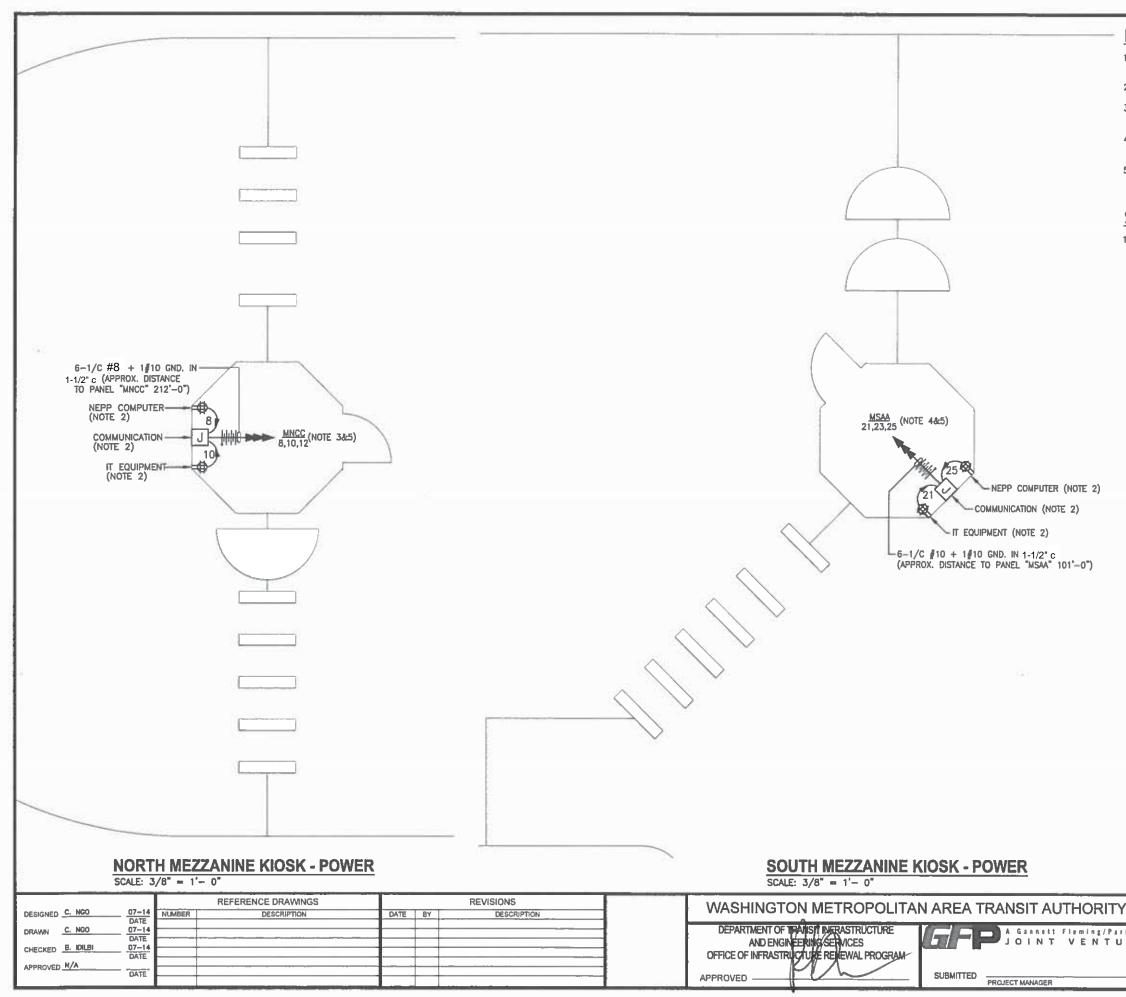
						CONTRACT 14-FQ	10060-CENI-24
DESIGNED C. NGO 07-14	NUMBER	REFERENCE DRAWINGS DESCRIPTION	DATE	BY	REVISIONS DESCRIPTION	WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY NEW ELECTRONIC PAY PROGR	
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APPROVED N/A DATE			-			APPROVED SUBMITTED PROJECT MANAGER SCALE NOT TO SCALE A08-E-001	89
					- 517 New		- 89 -

# DRAWING INDEX

A08-E-001	ABBREVIATIONS, DRAWING INDEX, SPECIFICATIONS & SYMBOL LIST
A08-E-101	FRIENDSHIP HEIGHTS NORTH & SOUTH - MEZZANINE KIOSK - POWER
A08-E-102	FRIENDSHIP HEIGHTS NORTH & SOUTH - PANEL SCHEDULES
A08-E-301	FRIENDSHIP HEIGHTS NORTH & SOUTH - PANELBOARD IMAGE
A08-E-302	FRIENDSHIP HEIGHTS NORTH & SOUTH - PANELBOARD IMAGE
MM-A-E21	FRIENDSHIP HEIGHTS - AC POWER ONE LINE DIAGRAM
MM-A-E22	FRIENDSHIP HEIGHTS - AC POWER ONE LINE DIAGRAM

# ELECTRICAL SYMBOL LIST

Ŧ	QUADRUPLEX RECEPTACLE OUTLET- 20A, 125V WALL MOUNTED.
J	JUNCTION BOX - SURFACE MOUNTED ON UNISTRUT CHANNEL
	CONDUIT - CONCEALED IN UNDER FLOOR DUCT U.O.N.
EF 3,5	HOMERUN TO PANEL, NUMBER OF ARROWHEADS INDICATES NUMBER OF CIRCUITS. CROSS HATCHING INDICATES NUMBER OF CONDUCTORS, NUMBER INDICATES SIZE OF CONDUCTOR AND SIZE OF CONDUIT
	I - INDICATES GROUNDING WIRE TO GROUNDING BUS AT THE PANELBOARD
	EF - INDICATES CIRCUIT HOME RUN PANELBOARD AND CIRCUIT NUMBER IDENTIFICATION



# DRAWING NOTES:

- 1. USE EXISTING UNDER FLOOR DUCT FOR POWER WIRING. ALL OUTSIDE FLOOR DUCT WIRING SHALL BE IN CONDUIT.
- 2. VERIFY WITH WMATA PERSONNEL FOR LOCATION OF RECEPTACLES & JUNCTION BOXES.
- 3. CONNECT CIRCUIT #8 #10 & #12 TO EXISTING 20A, 1P SPARE CIRCUIT BREAKERS IN THE EXISTING PANEL "MNCC", SEE PANEL SCHEDULE ON DWG. A08-E-102.
- 4. CONNECT CIRCUIT #21 #23 & #25 TO EXISTING 20A, 1P SPARE CIRCUIT BREAKERS IN THE EXISTING PANEL "MSAA", SEE PANEL SCHEDULE ON DWG. A08-E-102.
- PROVIDE A ROUGHIN CIRCUIT FOR FUTURE AFC FARE GATE COILED AT THE KIOSK. THE LENGTH OF COILED PIGTAIL SHALL BE THE FARTHEST FARE GATE DISTANCE FROM KIOSK PLUS AN EXTRA 6'-0" CONDUCTOR.

## SAFETY PRECAUTION:

1. ALL WORK SHALL COMPLY WITH WMATA SAFETY RULES, AND DE-ENERGIZATION POLICIES.

		CONTRA 14-F	Q10060-CENI-24
,		C PAY PROG DRAIL STATIO	
RE	FRIENDSHIP HEI		& SOUTH
	SCALE AS SHOWN	DRAWING NO. A08-E-101	90

AMPERES: 400	UNITS:	120/208								
MAINS: 300AMCB	PHASE:			LOCA				IENT RO	ON 202	
RATING: 10K AIC	WIRE:	4			ION: 1		EGOIFI			
NATING. TOTAC	WINCE.		VDC	CKT.			0//7	DKDC		1
	104			1 .		CKT.	<u> </u>	BKRS	10.0	
LOAD DESCRIPTION	KVA	AMP	POLE			NO.	POLE	AMP	KVA	LOAD DESCRIPTION
EXISTING VENDOR	0.8	20	1	1	A · ·	2	1	20	0.8	EXISTING VENDOR
EXISTING VENDOR	8.0	20	1	3	- B -	4	1	20	0.8	EXISTING VENDOR
EXISTING VENDOR	0.8	20	1	5	C	6	1	20	0.8	EXISTING VENDOR
EXISTING VENDOR	8.0	20	1	7	A	8	1	20	0.8	NEW KIOSK RECEPT. (IT & NCS)
SPARE	0.0	20	1	9	- B -	10	1	20	8.0	NEW KIOSK RECEPT. (NEPP/SO)
EXIST ING VENDOR	0.8	20	1	11	C	12	1	20	0.0	FUTURE AFC FARE GATE
SPARE	0.0	20	1	13	A	14	1	20	0.0	SPARE
EXIST ING VENDOR	0.8	20	1	15	- B -	16	1	20	0.8	EXISTING VENDOR
EXIST ING VENDOR	0.8	20	1	17	• • C	18	1	20	0.0	EXISTING VENDOR
SPARE	0.0	20	1	19	A	20	1	20	2.9	SPARE
SPARE	0.0	20	1	21	- 8 -	22	1	20	2.5	EXISTING VENDOR
EXISTING VENDOR	0.8	20	1	23	C	24	1	20	2.5	EXISTING VENDOR
EXISTING VENDOR	0.8	20	1	25	A	26	1	20	0.0	EXISTING VENDOR
EXISTING VENDOR	0.8	20	1	27	- 8 -	28	1	20	0.0	EXISTING VENDOR
EXISTING VENDOR	0.8	20	1	29	C	30	1	20	0.0	EXISTING VENDOR
EXISTING VENDOR	8.0	20	1	31	A	32	1	20	0.0	SPARE
EXISTING VENDOR	0.8	20	1	33	- B -	34	1	20	0.0	SPARE
SPARE	0.0	20	1	35	C	36	1	20	0.0	SPARE
EXISTING LOAD CENTER "KES"	3.3	40	3	37	A	38	1	20	0.0	SPARE
	2.5	-	-	39	- B -	40	1	20	0.0	SPARE
	2.5	-	-	41	C	42	-	-	0.0	SPACE
					SUM					
					3014	IIVI/A.	NI			1.45.46
			x 1259	-						F KVA
RECEPTACLES, FIRST 10 KVA			x 1009	0						KVA
RECEPTACLES			x 50%						2.8	KVA
MISC. APPLIANCES		0.0	x 100%	/ D					0.0	KVA
LARGEST MOTOR		0.0	x 125%	0					0.0	KVA
MOTORS			x 1009	-					0.0	KVA
		6.0	x 125%	6					7.5	i KVA
HEAT		9.0	x 100%	6					9.0	I KVA
HEAT AC									0.0	KVA
			x 125%	D						IN WA
AC		0.0	x 125% KVA		τοτΑ	L DEM		VA		KVA
AC WATER HEATING	MARY	0.0		5			iand Ky Iand Ai		29.3	
AC WATER HEATING Total Connected Load	WARY	0.0 <b>30.6</b>		D					29.3	KVA
AC WATER HEATING Total Connected Load Connected Load Phase Sumi	MARY	0.0 30.6 11.0	KVA	0					29.3	KVA

NOTES: A. EXISTING PANEL "MNCC" IS FED FROM 277/480V, 30, 4W EXISTING SWBD "NGB" LOCATED IN AC SWBD. ROOM E216, CIRCUIT (A08-NGB-01) #1-150/3P VIA 75KVA TRANSFORMER TR-16, PANEL "MNCC" IS ALSO FED FROM ATS #2 (150A). ATS #2 IS SUPPLIED FROM GENERATOR SWITCHBOARD VIA MCB #2 (SEE ATTACHED DWG. MM-B-E07).

B. EXISTING WIRING FED FROM BOTTOM OF PANEL BY:

• 1-6"x 6'0"	WRE	TROUGH	W/3-3	C. T	) PANEL	. (1–31	С. ТО	TRANSFORMER)(2-3"	С.	WIRING	FILL	>40%)
EVICTING WIDING	CED D	DOM TOO	OF DAM	ti ov								

- EXISTING WIRING FED FROM TOP OF PANEL BY: \* 2-3/4" C. (WIRING FILL >40%).

				REFERENCE DRAWINGS			REVISIONS	
DESIGNED	C. NGO	07-14 DATE	NUMBER	DESCRIPTION	DATE	BY	DESCRIPTION	
DRAWN	C. NGO	07-14						
CHECKED	B. IOILBI	DATE 07-14						
APPROVED	N/A	DATE	-				· · · · · · · · · · · · · · · · · · ·	
		DATE						

AMPERES: 400	VOLTS:	120/208		MOUN	IT ING:	SURFA	CE			
MAINS: 300AMCB	PHASE:	3		LOCA	TION:	AC SW	BD ROO	DM 201		
RATING: 10K AIC	WIRE:	4		SECT	ON: 1	OF 1				
		CKT E	KRS	СКТ.		CKT.	СКТ	BKRS		<u> </u>
LOAD DESCRIPTION	KVA	AMP	POLE	NO.		NO.	POLE	AMP	KVA	LOAD DESCRIPTION
SPARE	0.0	20	1	1	A - •	2	1	20	0.0	SPARE
EXIST ING VENDOR	0.8	20	1	3	- B -	4	1	20	8.0	EXISTING VENDOR
EXISTING VENDOR	0.8	20	1	5	- C	6	1	20	0.8	EXISTING VENDOR
EXISTING VENDOR	0.8	20	1	7	A	8	1	20	0.0	SPARE
EXISTING VENDOR	0.8	20	1	9	• B •	10	1	20	0.8	EXISTING VENDOR
EXISTING VENDOR	0.8	20	1	11	C	12	1	20	0.8	EXISTING VENDOR
EXISTING VENDOR	0.8	20	1	13	Α • •	14	1	20	0.0	SPARE
EXISTING VENDOR	0.8	20	1	15	- 8 -	16	1	20	0.8	EXISTING VENDOR
EXISTING VENDOR	0.8	20	1	17	C	18	1	20	0.0	SPARE
EXISTING VENDOR	0.8	20	1	19	A	20	3	40	2.9	EXISTING LOAD CENTER "KES
NEW KIOSK RECEPT. (IT & NCS)	0.8	20	1	21	- 8 -	22	•	-	2.5	
NEW KIOSK RECEPT. (NEPP/SOC)	0.8	20	1	23	C	24	-	•	2.5	
FUTURE AFC FARE GATE	0.0	20	1	25	A	26	1	20	0.0	SPARE
SPARE	0.0	20	1	27	- B -	28	1	20	0.0	SPARE
SPARE	0.0	20	1	29	• • C	30	1	20	0.0	SPARE
SPARE	0.0	20	1	31	A	32	•	-	0.0	SPACE
SPARE	0.0	20	1	33	• B •	34	-	•	0.0	SPACE
SPARE	0.0	20	1	35	C	36	•	-	0.0	SPACE
SPACE	0.0		•	37	A	38	•	-	0.0	SPACE
SPACE	0.0		-	39	- 8 -	40	-	-	0.0	SPACE
SPACE	0.0	-	-	41	C	42	-	•	0.0	SPACE

	LOAI	D SUMMARY
LIGHTS	0.0 x 125%	
RECEPTACLES, FIRST 10 KVA	10.0 x 100%	
RECEPTACLES	2.4 x 50%	
MISC. APPLIANCES	0.0 x 100%	
LARGEST MOTOR	0.0 x 125%	
MOTORS	0.0 x 100%	
HEAT	3.0 x 125%	
AC	4.5 x 100%	
WATER HEATING	0.0 x 125%	
TOTAL CONNECTED LOAD	19.9 KVA	TOTAL DEMAND KVA
		TOTAL DEMAND AMPS
CONNECTED LOAD PHASE SUMMARY		
PHASE A	5.3 KVA	
PHASE B:	8.1 KVA	
PHASE C:	7.3 KVA	

NOTES: A. EXISTING PANEL. "MSAA" IS FED FROM 277/480V, 30, 4W EXISTING SWITCHBOARD "SGB" LOCATED IN AC SWBD. ROOM E203, CIRCUIT (A08-SGB-02) #2-150/3P VIA 75KVA TRANSFORMER (SEE ATTACHED DWG. MM-B-E07)

B. EXISTING WIRING FED FROM BOTTOM OF PANEL BY: • 1-3" C. TO TRANSFORMER (WIRING FILL >40%).

EXISTING WIRING FED FROM TOP OF PANEL BY

• 4-1 1/2° C. (WIRING FILL >40%). • 1-3/4° C. (WIRING FILL >40%). • 1-1/2° C. (WIRING FILL >40%).		CONTRACT NO. 14-FQ10060-CENI-24
WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY DEPARTMENT OF TRANSIT INFRASTRUCTURE AND ENGINEERING SERVICES OFFICE OF INFRASTRUDIUM RENINAL PROGRAM	NEW ELECTRONIC PAY PI IN METRORAIL ST FRIENDSHIP HEIGHTS - NO PANEL SCHEDUI	ATIONS RTH & SOUTH
APPROVED	NOT TO SCALE A08-E-102	91

•	v
C	T.

	0.0	KVA		
	10.0	KVA		
	1.2	KVA		
	0.0	KVA		
	0.0	KVA		
	0.0	KVA		
	3.8	KVA		
	4.5	KVA		
	0.0	KVA		
¥	19.5	KVA		
PS	54.0	AMPS		

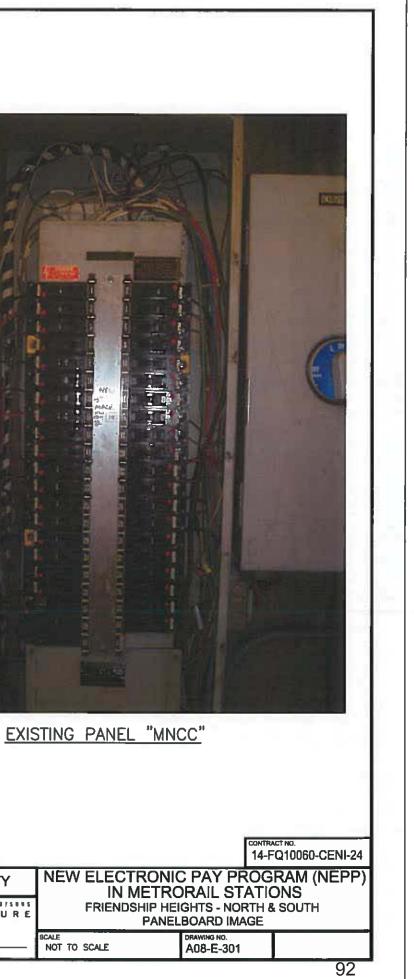


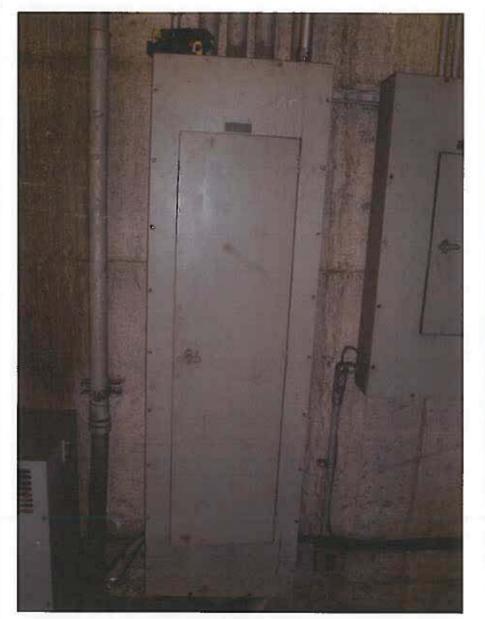
EXISTING PANEL "MNCC"



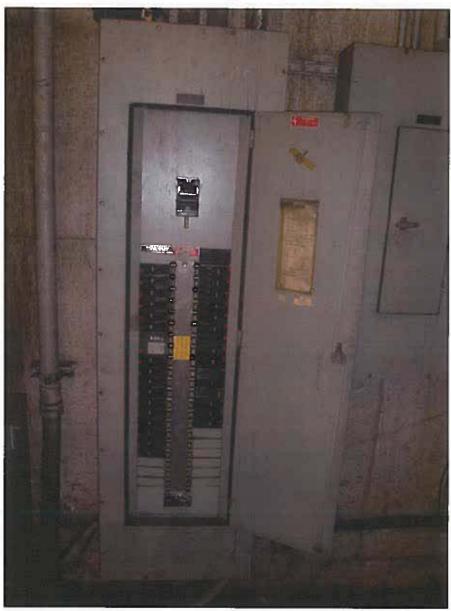
EXISTING PANEL "MNCC"

	REFERENCE DRAWINGS			REVISIONS	WASHINGTON METROPOLITA	
DESIGNED C. NGO 07-14	NUMBER DESCRIPTION	DATE	BY	DESCRIPTION	WASHINGTON METROPOLITA	IN AREA TRANSIT AUTHORITY
DRAWN <u>C. NGO</u> DATE					DEPARTMENT OF TRANSIT INFRASTRUCTURE	A Gannett Flaming/Parsons
CHECKED <u>9. IDILBI</u> 07-14 DATE					AND ENGINEERING SERVICES	JOINT VENTURE
DHIE					APPROVED	SUBMITTED PROJECT MANAGER



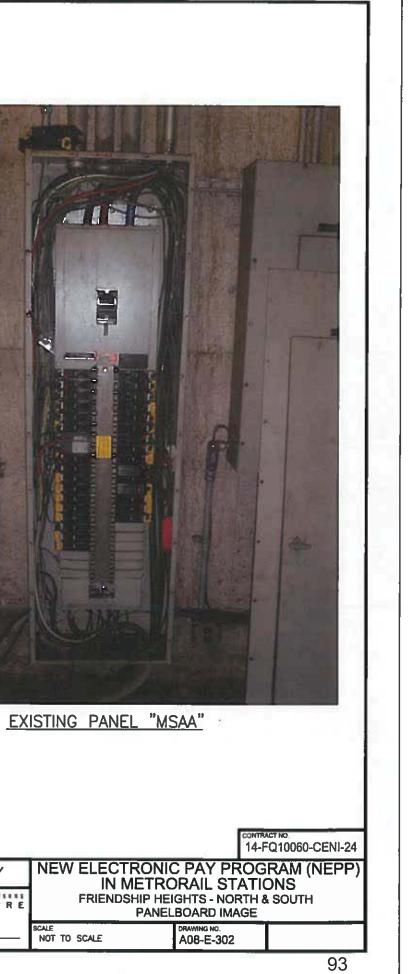


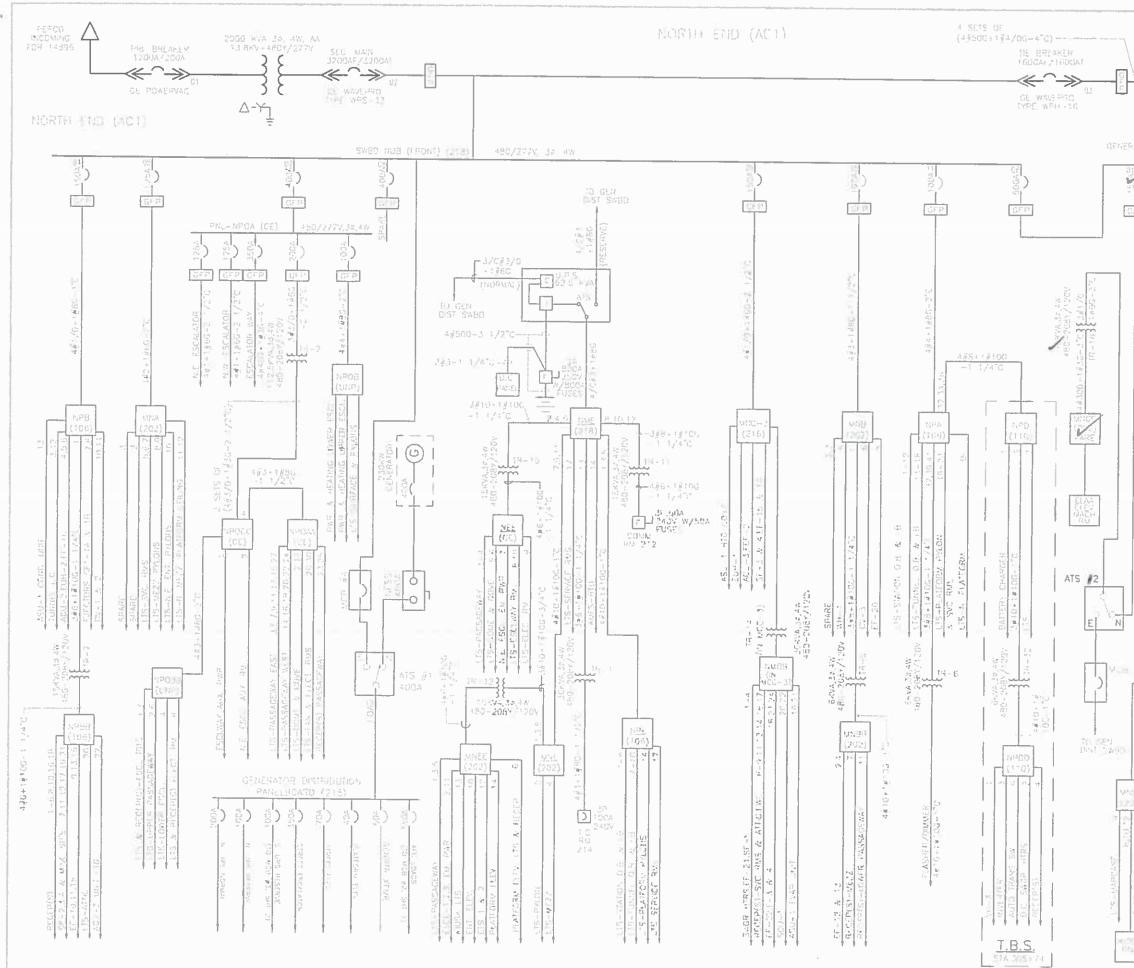
EXISTING PANEL "MSAA"



EXISTING PANEL "MSAA"

REFERENCE DRAWINGS REVISIONS WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY 07-14 DATE 07-14 DATE 07-14 DATE DATE DESCRIPTION DESIGNED DESCRIPTION DATE DEPARTMENT OF TRANSIT INFRASTRUCTURE C. NGO FFPJOINT VENTURE DRAWN AND ENGINEERING SERVICES OFFICE OF INFRASTRUCTURE RENEWAL PROGRAM CHECKED B. IDILBI APPROVED ...... SUBMITTED PROJECT MANAGER DATE APPROVED



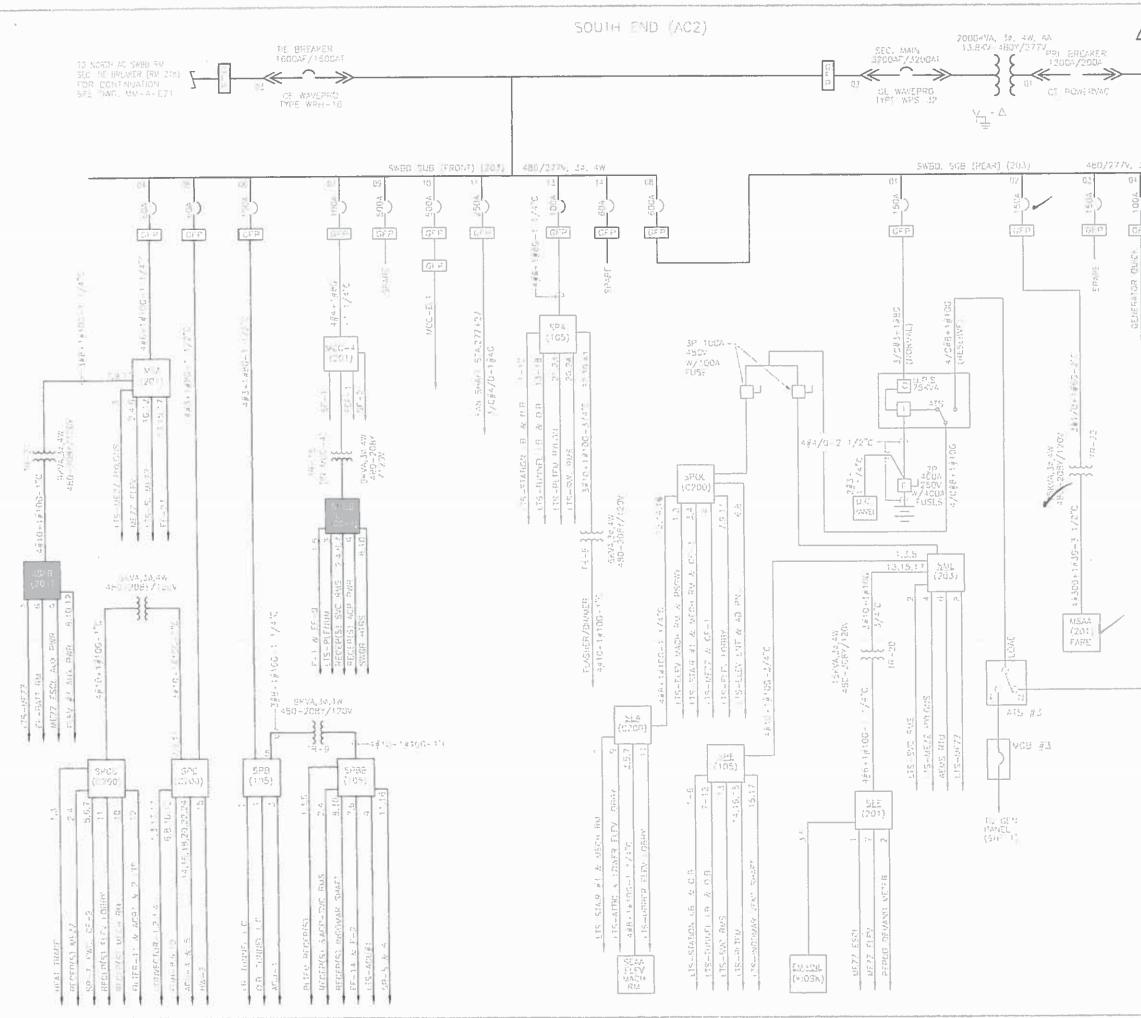


Lawrence

10

L

10         SDUPH AL SYNELHU BUSDUPH AL SYNELHU SEE DWO WALARZEN SEE DWO WALA	SCA	PARSONS TRANSPI	RAMING No. MM-A-E21 94
U SOUH- 42 FAREI MU 7010 SEE DIRG (CONTINUATION SEE DIRG (WH-A-E21)       Image: Continuation of the service of the	FANT VID CAN	SHADY FRIENDSHI AC POWEF SHEET 1	GROVE ROUTE P HEIGHTS STATION (A08) R ONE LINE DIAGRAM OF 2
1       SOUTH AC SHEED HU         1       YEARL DESIGNATION MEED CASE AND MALER IN YOU SEE DRIG CONTINUENT         1       YEARL DESIGNATION MEED CASE AND MALER IN YOU SEE DRIG WALARZEY         2       342 + 1660 - 2° - CONDUCTIVER         2       342 + 1660 - 2° - CONDUCTIVER         4       (CIRCUPTIVER)			
10       SOUTH AC SYSED HU         10       SOUTH AC SYSED HU         11       SEE THE BEAUER (MU 70.3) SEE DING WALAFED         12       SEE DING WALAFED         13       COROUTH ALL SYSED HU ROW SUPPORT         14       ACCONTINUENDS         15       COROUTH SUPER HEARD STATE         14       ACCHART BERAKERS         15       COROUTH SUPER HEARD STATE         16       COROUT SUPPORT         17       COROUTH SUPPORT         18       COROUTH SUPPORT         19       COROUTH SUPPORT         10       COROUTH SUPPORT         11       COROUTH SUPPORT         12       COROUTH SUPPORT         13       COROUTH SUPPORT         14       4/CC-4/D         15       MALTER SUPPORT         16       ATTER SUPPORT         17       SUPPORT         18       COROUTH SUPPORT         19       SUPPORT         19       SUPPORT         10       SUPPORT         11       S			
10       SOUTH AC SMED HU SEE DING WATARD IS SEE DING WATARDING         11       SEE DING WATARDING SEE DING WATARDING         22       SAZETEGO - 27 CONDUCTION SEE DING WATARDING         23       SZETEDING WATARDING         24       SEE DING WATARDING         25       SZETEDING WATARDING         24       SZETEDING WATARDING         25       SZETEDING WATARDING         26       SZETEDING WATARDING         27       SZETEDING WATARDING         28       GIRCUT AUVEUR         29       SZETEDING         20       SZETEDING         21       SZETEDING         22       SZETEDING         23       GIRCUT AUVEUR         24       SZETENIG         25       SZETENIG         26       SZETENIG         27       SZETENIG         28       GIRCUT AUVEUR         29       SZETENIG         20       SZETENIG         20       SZETENIG         20       SZETENIG         20       SZETENIG         20       SZETENIG         20       SZETENIG         21       SZETENIG         22       SZETENIG			DESCRIPTION
10       SOURH AE SNED HU SLC THE BREAFER (BU POL) SEE DWG UMH-A-E201       1       PANEL DESIGNATION FMERRENDG         20       SEE DWG UMH-A-E201       2       3/2 - 1/6G - 212 COLOUID SIZE FMERRENDG         20       SEE DWG UMH-A-E201       2       3/2 - 1/6G - 212 COLOUID SIZE FMERRENDG         20       SEE DWG UMH-A-E201       2       3/2 - 1/6G - 212 COLOUID SIZE FMERRENDG         20       SEE DWG UMH-A-E201       2       3/2 - 1/6G - 212 COLOUID SIZE FMERRENDG         21       SEE DWG UMH-A-E201       2       3/2 - 1/6G - 212 COLOUID SIZE FMERRENDG         23       CIRCUT BREAKERS DFAW DUT GC - 201 FMERRENDG       2       3/2 - 1/6G - 212 COLOUID SIZE FMERRENDG         23       CIRCUT BREAKERS DFAW DUT GC - 201 FMERRENDG       3       CIRCUT BREAKERS DFAW DUT GC - 201 FMERRENDG         3       CIRCUT BREAKERS DFAW DUT GC - 201 FMERRENDG       3       CIRCUT BREAKERS DFAW DUT GC - 201 FMERRENDG         3       CIRCUT BREAKERS DFAW DUT GC - 201 FMERRENDG       1       SCONTAUD SIZE CONTINUED CONTINUES CURPENT SETIONG         4       4/C-4/D       FMERRENDG SIZE CONTINUES CURPENT SETIONG       1       SCONTAUE SIZE CONTINUES CURPENT SETIONG       1         4       4/C-4/D       1       SCONTAUE SIZE CONTINUES CURPENT SETIONG       1       1         4       CIRCUT SIZE CONTINUES CURPENT SETIONG	æ		SCLEOUX ADDAS/ ADDRS
10       SOUTH AL SWELHU SLC THE BEALTER (DW 201) SLC TH	284-211 284-212 1912-1918	ALIX PUR LTS-WAP LTS-W	12. VOLDED DASE PREAKER MANG PLATE STA BREAKTH TIND (NOPTH UNIT NOPTH UNIT
10 SOUTH AC SWED HU SEC THE BREAKER (RM 261) FOR CONTINUATION SEE DWG VMH-A-E22 ATOR SWED THE (REART 127H) 2: 332-1566-2°C 480/2777V.55.47 480/2777V.55.47 10 SOUTH AC SWED THE (REART 127H) 480 OF KOME CIRCUIT SIZE 10 CONTINUATION SEE DWG VMH-A-E22 10 CONTINUATION SEE DWG VMH-A-E22 10 CONTINUE 10 C	ESAM ESAM LESAM		ARE OF SPECTRA RUS TYPE SUB WITH
1       WEA       PANEL DESTRIATION WHEN UNDERLINED IS FOR CONTAUATION SEE DWG MM-A-EDT         2       SEC NE BREART (RM 703) FUR CONTAUATION SEE DWG MM-A-EDT       Image: Control of the set o	(4) 11 - 1		EREAKERS ARE GE THE WAY FRO WITH MICHOVERSATER (ESF TELTICAL Y O CRAILE & EO IPPED WITH S PARATE
SOUTH AC. SWED HU SUC THE BEAMER (RW 203) FUR CONTRIBUTION SEE DWG AMI-A-E21      MEA     SWED	1927		
1       WEA       PANEL DESLEMATION WHEN UNDERDRED IS FRENCEDICS         1       WEA       WEA       DESLEMATION WHEN UNDERDRED IS FRENCEDICS         1       WEA       WEA       FRENCEDICS         1       FOR CONTINUATION SEE DWG MM-A-EDIC       Image: State of the state of		01 - 12 21 - 12	
1     Image: State of the state	UN UN		6 DISTR. TRANSFORMER MANUFACTURER
1     MEA     PANEL DESLIMATION WHEN UNDERDMED IS FOR CONTINUATION SEE DWG NM - A-E2T       1     MEA     FANEL DESLIMATION WHEN UNDERDMED IS FMERGENCY       2     SEE DWG NM - A-E2T       1     EQUIPMENT BEDUTON       2     SEE DWG ON HARDING       1     EQUIPMENT BEDUTON       2     SEE DWG ON HARDING       3     CIRCUT SEE DWG ON HARDING			C -CHARGER
U SOUTH AE, SWED HN     Image: South AE, SWED HN       SEC THE BREAKER (FM 70.5)     Image: South ALMEER       FOR CONTINUATION     FOR CONTINUATION       SEE DWG AM - A-E21     Image: South ALMEER       ATOR SWED THE (REART 1274)     Image: South ALMEER       ATOR SWED THE (REART 1274)     Image: South ALMEER       Image: South ALMEER     Image: South ALMEER	75,424,55, 1980-2989 1982-2853		5 BATWIE AS SHOWN FUR UNINTERRUFTIBLE FUMER SUPPLY CONSISTING OF RECEIVER/OF ARGER WAL TER, FOWER TRANS OR SWITCH ASSOCIATED BATTERES AND
U SOUTH AC SWED HU SEC THE BREAKER (RM 703) FOR CONTINUATION SEE DWG AM - A-E21     MEA (200) FMEMGENCY FMEMGENCY FROM DUNDER B (CIRCUIT NUMBER)       2     332 + 56G-21C - CONDUIT SIZE 480/277V, 50,4W       2     332 + 56G-21C - CONDUIT SIZE 480/277V, 50,4W       3     CIRCUIT SUPERT GFP       0     CFP	-20V	93660 03430	CARGE WITH 4 CONDUCTOR
ATOR SWED IN GEP	() 	NOR CONNEL!	SETTING
ANTOR SWED IN (REART 1274)			DFAW DUT C- >> 1600A/1200A
U SOUTH AC SWED HN SEC THE BREAKER (FM 763) V SEE DWG VM - A-F22: Z. 382+7665-270	and the second se		L- ANG OR KOMI, CIRCUIT WHEN
U SOUTH AC SWSD HM SEC THE BREAKER (FM 703) V SOUTH AC SWSD HM SEC THE BREAKER (FM 703) FOR CONTINUATION SEE DWG MM - AFECC	ATOR SWEE	IN A SPEART 127:	
D SOUTH AL SWEE HU	V AFOR (	CONTRIUNTION	- ROOM BLARER
			PANEL DESERVATION WHEN UNDERUNED IS (202) EMERGENCY
MOTES - PANEL DESIGNATION			



1.6.6.

А ненсо	PANE DES GNATION
A INCOMING	1 PANEL BESIGNATION
FOR 14694	WEA / WHET UNDER INED IS (205) EMERGENCE
	-ROOM HUMEER
	13. ( and the second se
	B (CIRCUIT RUMPER)
	2. 342 - 1498 - 276
	/ SUCIEDUM SIZE
na stan	ANG OR ROME CROUT WRES
0 05	3. CIRCUIT BREAKERS
) 8) 8)	ADESTA ADDEL ST. ST. ADDE ADDE
	MOLEED CASE
म् दिहेस् दिहेस	FRAME SIZE TO THE TRANSPORT
	SEIT NG
Lan A	$\frac{1}{\sqrt{C-A/Q}}$
	S- INDICATE HULLICONCTOR
	CAULE WILL & CONDUCTOR AND 577 F EACH 4 C
2017 A E C	6
5	5. RATING AS SHOWN FOR UNIVERSIDET LE FOWER SUPPLY
	CONSISTING OF RECIFIER/CHARGER NVERTER, POWER PRANSFER SWITCH
	ASSOCIATED BATTERY'S AND
	PANELBOARD
	6. ATS - AUTOMATIC TRANSFER SWITCH C - CHARGER
	- INVERTER
	6 DISTR. TRANSFORMER MANUFACTURER
	FEUERAL PACIFIC
	7. UPS MANUFACTURER
	INTERMATIONAL POWER ISACHINE
	9 SWITHCHOEAR VANUFACTURER: GE INDUSTRIAL SYSTEMS
	10 VARI SE GNUMRI & DE POWER CIRCUIT BREAKING ARE DE TYP, WYEPRO WITH MICROVEPSATRIF (LN° ELECTICA I OPERATED & EQUEPPED WITH SEPAPATE ERGUND FAULT RELAX
	11 SWITCHBOARD FTR JR CAC OF BREAKERS ART GE SPECTRA PMD 1975 SGLE WITH MOCROVERSATPIP (LSIC) D.O.N.
	12 MOLDED CASE BALAKER NAME FLATE STA BPEAPER POSIDION (DOUTH UDICT) AUX-SUB-03 BUARD YOU) PAL-01A FEEDER NAME SULGOU/150AS/50R4
	EADING PLUG
	SUMSOR SHE
	TYT RAME SIZE
	REVISIONS
DATE BY APR	DESCRIPTION
10-5/03 -0-05 TN	PEPLATED SUDPS & SW355
WASHINGTON	METROPOLITAN AREA TRANSIT AUTHORITY
	ICAL MAINTENANCE MAP
FRIENDSH	GROVE ROUTE IP HEIGHTS STATION (A08) R ONE LINE DIAGRAM OF 2
	ITAL IMPROVEMENT PROGRAM PORTATION GROUP - CAPITAL TRANSIT CONSULTANTS
6 A DE MARE TE ANE	
	DRAWING No. MM-A-E22 95

- 1. ALL WORK, MATERIAL AND EQUIPMENT SHALL COMPLY WITH THE LATEST NATIONAL ELECTRICAL CODE BEING USED BY THE LOCAL JURISDICTION AND SHALL COMPLY WITH ALL LOCAL CODES AND ORDINANCES.
- 2. MATERIALS AND EQUIPMENT SHALL BE NEW EXCEPT WHERE INDICATED OTHERWISE. ALL OTHER WIRING DEVICES, CONDUIT, WIRE, ETC. SHALL BE NEW UNLESS NOTED OTHERWISE.
- 3. ALL MATERIALS AND EQUIPMENT SHALL BEAR U.L. LISTING.
- 4. MAINTAIN GROUNDING CONTINUITY TO ALL DEVICES AND EQUIPMENT IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE.
- 5. WORK NOT SPECIFICALLY SPECIFIED OR INDICATED SHALL CONFORM WITH SPECIFICATIONS.
- 6. ALL CONDUITS SHALL BE RUN CONCEALED IN UNDER FLOOR DUCT.
- 7. ALL WIRE AND CABLE SHALL BE COPPER HAVING 600 VOLTS XHHW-2 OR RHW-2 INSULATIONS, PROVIDE #12 WIRE MINIMUM, UNLESS OTHERWISE NOTED. ALL CABLES SHALL BE LOW SMOKE ZERO HALOGEN CABLE.
- 8. THE CONTRACTOR SHALL VISIT THE SITE AND EXAMINE THE CONDITION OF THE PREMISES AND THE CHARACTER AND EXTENT OF WORK REQUIRED PRIOR TO SUBMISSION OF BIDS.
- 9. OBTAIN ALL PERMITS AND PAY ALL FEES NECESSARY FOR INSPECTIONS, TESTS & OTHER SERVICES REQUIRED FOR THE COMPLETION OF THIS WORK.
- 10. ALL WORK SHALL BE DONE AT SUCH TIMES AND IN SUCH A MANNER THAT WILL LEAST INTERFERE WITH THE MAINTENANCE AND OPERATION OF ALL RELATED OR AFFECTED SYSTEMS. COORDINATE ALL POWER OUTAGES WITH WMATA PROJECT MANAGER.
- 11, IT IS THE INTENT OF THESE DRAWINGS AND OTHER RELATED DOCUMENTS TO PRODUCE A COMPLETE AND FUNCTIONING ELECTRICAL SYSTEM PROVIDE ALL LABOR, MATERIAL AND OTHER SERVICES NECESSARY TO ACHIEVE THIS PRODUCT. NOTIFY THE ENGINEER OF ANY DISCREPANCIES IN THE PLANS & SPECIFICATIONS THAT WILL AFFECT THE WORK, PRIOR TO SUBMISSION OF THE BID PRICE.
- 12. IF, DURING THE COURSE OF THE WORK, THE CONTRACTOR EXPERIENCES A CONFLICT RELATIVE TO THE PLANS AND SPECIFICATIONS, THE NEC OR OTHER APPLICABLE CODES AND GOVERNING DOCUMENTS, HE SHALL NOTIFY THE ENGINEER FOR DIRECTION PRIOR TO EXECUTION OF THIS WORK. ANY WORK INSTALLED IN VIOLATION OF THE CONTRACT DOCUMENT OR APPLICABLE CODES WHICH COULD HAVE BEEN AVOIDED BY CONTACTING THE ENGINEER SHALL BE RECTIFIED AT NO ADDITIONAL COST
- 13. ELECTRICAL PLANS ARE DIAGRAMMATIC & INDICATE GENERAL ARRANGEMENT OF SYSTEMS AND WORK. CHECK DRAWINGS OF OTHER TRADES TO VERIFY SPACE CONDITIONS, ETC. MAINTAIN WORKING **CLEARANCES**
- 14. CIRCUIT NUMBERS ARE FOR IDENTIFICATION PURPOSES ONLY. THE CONTRACTOR IS RESPONSIBLE FOR CORRECTLY PHASING THE CIRCUITS IN THE PANEL AND SHALL BALANCE THE LOAD ON THE PHASES UNDER NORMAL OPERATING CONDITIONS. PROVIDE TYPEWRITTEN PANELBOARD DIRECTORIES. BALANCE THE PHASE LOADS TO WITHIN 20 PERCENT OF FACH OTHER.

- 15 INCREASE ALL BRANCH CIRCUIT CONDUCTORS TO THE NEXT LARGER SIZE FROM THE PANEL TO THE FIRST OUTLET WHERE THE LENGTH OF THE HOMERUN EXCEEDS 100FT. ON 120/208V CIRCUITS.
- 16, PROVIDE A PULLWIRE OR FISHTAPE/CORD IN ALL EMPTY CONDUIT RUNS.
- 17, VERIFY WIRE SIZES, CIRCUIT BREAKERS AND FUSES RATINGS FOR ALL EQUIPMENT, AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES AFFECTING THE WORK PRIOR TO PROCEEDING.
- 18. ALL PANELS IMPACTED BY THIS PROJECT SHALL BE PROVIDED WITH NEW, UPDATED TYPEWRITTEN PANEL SCHEDULES (FOR NEW AND EXISTING CIRCUITS) INDICATING THE FINAL ROOM NUMBER AND THE EQUIPMENT OR DEVICES SERVED BY THE CIRCUITS.
- 19. DEMOLITION OF EXISTING WORK SHALL BE PERFORMED AFTER HOURS. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE WMATA PROJECT MANAGER PRIOR TO PERFORMING ALL THE WORK. THE TIME OF DAY OR EVENING SHALL BE DESIGNATED BY THE WMATA PROJECT MANAGER.
- 20. ALL WIRING SHALL BE IN CONDUIT, MINIMUM SIZE 3/4 INCH WITH LARGER SIZES AS INDICATED OR REQUIRED BY NEC. ALL CONDUITS SHALL BE RIGID GALVANIZED STEEL THREADED COUPLING FOR COMPLETE WATER PROOF INSTALLATION.
- 21. AT JOB COMPLETION, AND BEFORE FINAL ACCEPTANCE BY WMATA, TEST EACH RECEPTACLE AND PANELBOARD FOR PROPER OPERATION. WIRING SHALL BE TESTED FOR CONTINUITY, SHORTS, ETC ... ALL WORK AREAS, ETC., SHALL BE CLEANED AT THE COMPLETION OF THIS PROJECT.
- 22. FOR DEVICE IDENTIFICATION, THE ELECTRICAL CONTRACTOR SHALL LABEL ALL PANELBOARDS, JUNCTION BOXES, ETC .. TO INDICATE THE NAME. VOLTAGE, SERVING EQUIPMENT AND ITEM SERVED ETC ... LABELS FOR EMERGENCY CIRCUITS SHALL BE IN RED, NORMAL CIRCUITS SHALL BE IN BLACK. ALL DEVICES SHALL BE IDENTIFIED EITHER ON THE FACE OF THE COVERPLATE OR INSIDE PER WMATA PREFERENCE. ALL JUNCTION BOXES SHALL BE LABELED TO INDICATE THE CIRCUITS CONTAINED BY THE JUNCTION BOX.
- 23 THE CONTRACTOR SHALL UPDATE THE SCHEDULES OF ALL PANELBOARDS AFFECTED BY THIS PROJECT TO REFLECT CHANGES DUE TO THE PROJECT WORK. PANEL SCHEDULE LOAD DESCRIPTIONS ARE TO INCLUDE THE FINAL ROOM OR AREA NUMBERS.
- 24. INCLUDE GPR FOR ANY CORE DRILLS OR DRILLED PENETRATIONS IN ANY WALLS.
- 25. SEAL OFF ALL PENETRATIONS THRU WALLS/FLOORS.
- 26. THE CONTRACTOR SHALL BECOME FAMILIAR WITH WMATA DESIGN CRITERIA SECTION 4 AND SECTION 13; WMATA SPECIFICATION SECTION 16120, 16130, AND 16125. ALL INSTALLATION SHALL BE IN COMPLIANCE WITH THE NEC. WMATA DESIGN CRITERIA, AND SPECIFICATIONS.
- 27. THE CONTRACTOR SHALL IDENTIFY SPARE CIRCUIT WITH "RESERVED FOR AFC"
- 28. EXISTING SWITCHBOARDS, PANELBOARDS AND EQUIPMENT SHOWN IS BASED ON RECORD DRAWINGS AND CASUAL FIELD SURVEY CONTRACTOR SHALL VERIFY ALL ELECTRICAL EQUIPMENT IN FIELD.
- 29. The conduit utilized for this project shall be 1-1/2" min. or larger as indicated. The liquid tight utilized for the kiosk shall be 1-1/2" from the entry to the 8x8 junction box. then 1" from the junction box to the quads. All boxes used in or on the kiosk shall be NEMA 4x

## **ABBREVIATIONS**

A. AMP	AMPERES	NEC	NATIONAL ELECTRIC CODE
AC	ALTERNATING CURRENT	P	POLE
AF	AMPERE FRAME	· PH	PHASE
AFC	AUTOMATED FARE	PNL	
Aro	COLLECTION SYSTEM		PANELBOARD
AFF	ABOVE FINISHED FLOOR	PRI	PRIMARY
AIC	AMPERE INTERRUPTING CAPACITY	PROP	PROPOSED
AT	AMPERE TRIP	RGS	RIGID GALVANIZED STEEL
BKR	BREAKER	SEC	SECONDARY
с	CONDUIT	SHT	SHEET
СВ	CIRCUIT BREAKER	SW	SWITCH
ССТ	CIRCUIT	SWBD	SWITCHBOARD
ç	CENTER LINE	TYP	TYPICAL
CLG	CEILING	U/G	UNDER GROUND
CONST	CONSTRUCTION	U.L.	UNDERWRITERS LABORATORIES
DISC		UON	UNLESS OTHERWISE NOTED
E	DISCONNECT	VOLT	VOLTAGE
_		W	WATT
GND	GROUND	WMATA	WASHINGTON METROPOLITIAN
18	JUNCTION BOX		AREA TRANSIT AUTHORITY
KAIC	THOUSAND AMPERE INTERRUPTING CAPACITY	WP	WEATHERPROOF
KCMIL	THOUSAND CIRCULAR MILL		
KVA	KILOVOLT AMPERE		
мах	MAXIMUM		
МСА	MINIMUM CIRCUIT AMPERE		
МСВ	MAIN CIRCUIT BREAKER		
MEZZ	MEZZANINE		
MIN	MINIMUM		
MLO	MAIN LUGS ONLY		

							CONTR. 14-F	Q10060-CENI-24
			REFERENCE DRAWINGS	4	18.15	REVISIONS	WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY NEW ELECTRONIC PAY PROG	RAM (NEPP)
DESIGNED C. NGO	- 07-14 DATE	NUMBER	DESCRIPTION	DATE	BY	DESCRIPTION	IN METROPOLITAN AREA TRANSIT AUTHORITY	
DRAWN C. NGO	D7-14			-		16.0 (8) 20.00		
CHECKED B. IDILBI	07-14 DATE			-	5	- X X	AND ENCINEERING SERVICES JOINT VENTURE SPECIFICATIONS & SYMBOL	
APPROVED N/A	DATE						APPROVED SUBMITTED PROJECT MANAGER SCALE NOT TO SCALE A12-E-001	96
		a				and the second se		90

# DRAWING INDEX

A12-E-001 ABBR	EVIATIONS, DRAWING	G INDEX, SPECIFICATIONS & SYMBOL LIST
A12-E-101 WHITE	FLINT - KIOSK -	- POWER
A12-E-102 WHITE	FLINT - PANEL S	SCHEDULE
A12-E-301 WHITE	FLINT - PANELBO	DARD IMAGE
MM-A-E31 WHITE	FLINT - AC POW	ER ONE LINE DIAGRAM

# ELECTRICAL SYMBOL LIST

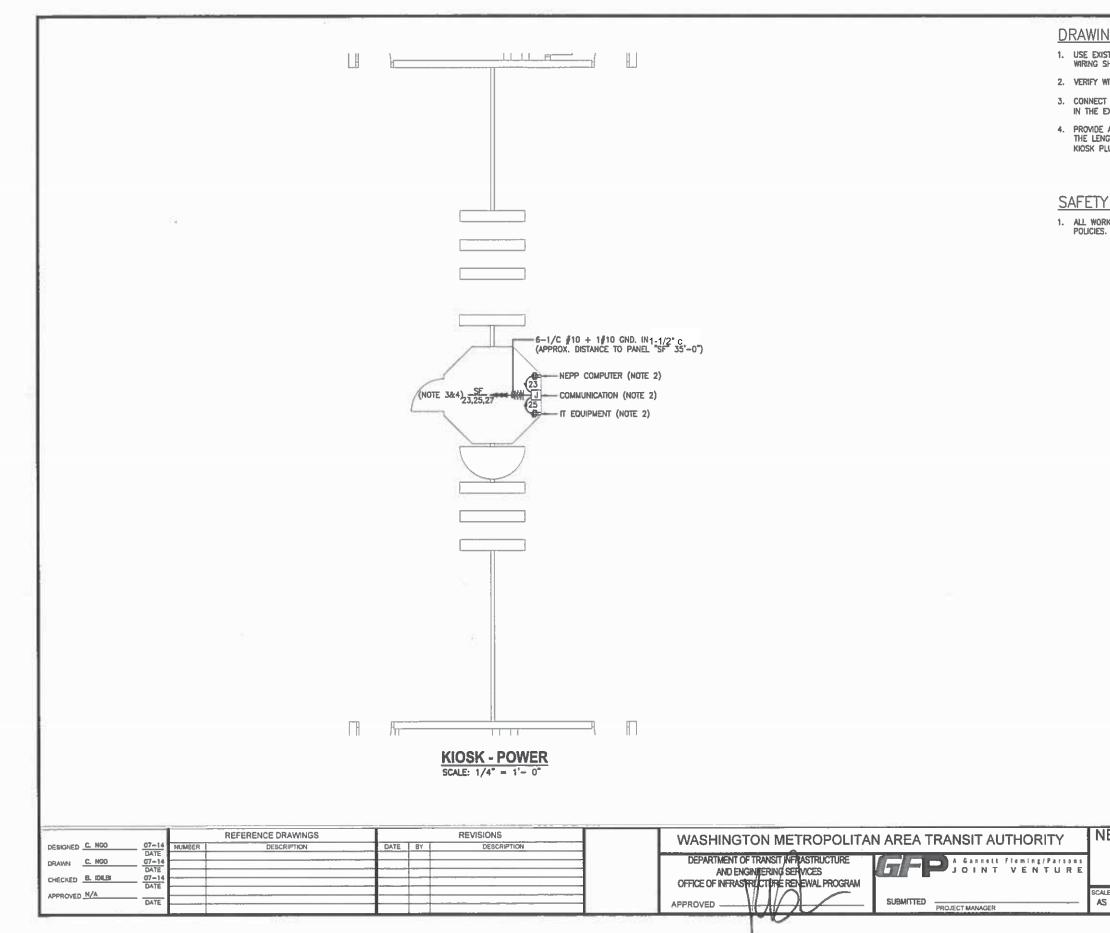
# QUADRUPLEX RECEPTACLE OUTLET- 20A, 125V WALL MOUNTED. J JUNCTION BOX - SURFACE MOUNTED ON UNISTRUT CHANNEL

CONDUIT - CONCEALED IN UNDER FLOOR DUCT U.O.N.



ht #10-3/4 HOMERUN TO PANEL, NUMBER OF ARROWHEADS INDICATES NUMBER OF CIRCUITS. CROSS HATCHING INDICATES NUMBER OF CONDUCTORS, NUMBER INDICATES SIZE OF CONDUCTOR AND SIZE OF CONDUIT

- INDICATES GROUNDING WIRE TO GROUNDING BUS AT THE PANELBOARD
- EF INDICATES CIRCUIT HOME RUN PANELBOARD AND CIRCUIT NUMBER IDENTIFICATION



## DRAWING NOTES:

1. USE EXISTING UNDER FLOOR DUCT FOR POWER WIRING. ALL OUTSIDE FLOOR DUCT WIRING SHALL BE IN CONDUIT.

2. VERIFY WITH WMATA PERSONNEL FOR LOCATION OF RECEPTACLES & JUNCTION BOXES.

3. CONNECT CIRCUIT #23, #25 & #27 TO EXISTING 20A, 1P SPARE CIRCUIT BREAKERS IN THE EXISTING PANEL "SF", SEE PANEL SCHEDULE ON DWG. A12-E-102.

4. PROVIDE A ROUGHIN CIRCUIT FAR FUTURE AFC FARE GATE COILED AT THE KIOSK. THE LENGTH OF COILED PIGTAIL SHALL BE THE FARTHEST FARE GATE DISTANCE FROM KIOSK PLUS AN EXTRA 6'~0" CONDUCTOR.

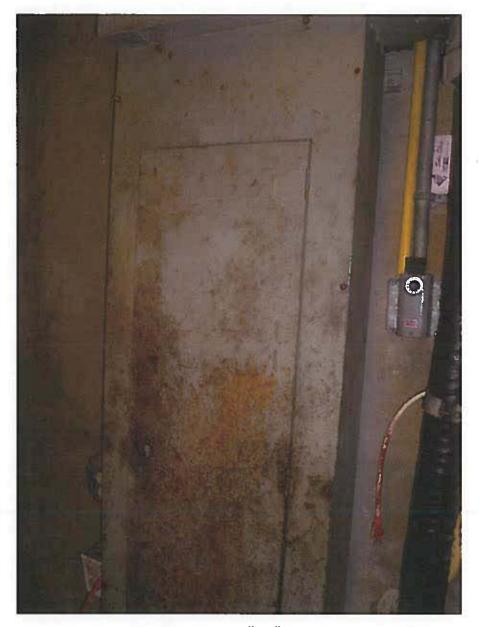
## SAFETY PRECAUTION:

1. ALL WORK SHALL COMPLY WITH WMATA SAFETY RULES, AND DE-ENERGIZATION POLICIES

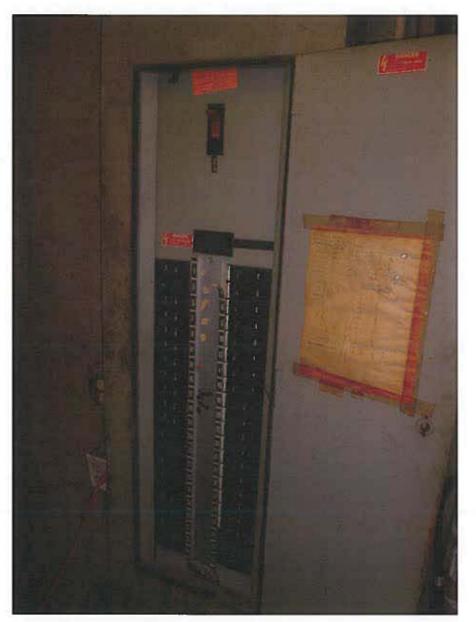
		CONTRACT NO. 14-FQ10060-CENI-24	
IEW ELECTR	ONIC PAY PETRORAIL ST	ROGRAM (NEPP) ATIONS	
	WHITE FLINT KIOSK - POWE		
S SHOWN	DRAWING NO A12-E-101		

		E	XIS	TIN	G PA	NEL	. "SF						
AMPERES: 225	VOLTS:	120/208		MOU	ITING:	SURF/	ACE						
MAINS: 200A	PHASE:	3		LOCA	TION:	ROOM	211				-1		
RATING: 10K AC	WIRE:	4		SECT	ION: 1	OF 1					1		
		CKT E	KRS	CKT.		CKT.	СКТ	BKRS			1		
LOAD DESCRIPTION	KVA	AMP	POLE	NO.		NO.	POLE	AMP	KVA	LOAD DESCRIPTION	7		
EXISTING VENDOR	0.8	20	1	1	A	2	1	20	0.8	EXISTING VENDOR	1		
PARE	0.0	20	1	3	- 8 -	4	1	20	0.8	EXISTING VENDOR	-		
XISTING VENDOR	0.8	20	1	5	C	6	1	20	0.8	EXISTING VENDOR	1		
XISTING VENDOR	0.8	20	1	7	A	8	1	20	0.8	EXIST ING VENDOR	-		
XISTING VENDOR	0.8	20	1	9	- B -	10	1	20	0.8	EXISTING VENDOR	-		
XISTING VENDOR	0.8	20	1	11	C	12	1	20	0.8	EXISTING VENDOR	-1		
XISTING VENDOR	0.8	20	1	13	A	14	1	20	0.8	EXISTING VENDOR	-		
XISTING VENDOR	0.8	20	1	15	• B •	16	1	20	0.8	EXISTING VENDOR	-		
XISTING VENDOR	0.8	20	1	17	C	18	$\left  \frac{1}{1} \right $	20	0.0	SPARE	-		
XISTING VENDOR	0.8	20	1	19	A	20		20	0.0	SPARE	-		
XISTING VENDOR	0.8	20	1	21	- B -	20	$\frac{1}{1}$	20	0.0	SPARE	-		
EW KIOSK RECEPT. (IT & NCS)	0.0	20	1	23	C	24	1	20	0.0	SPARE	-		
EW KIOSK RECEPT. (NEPP/SOC)	0.8	20	1	25	A • •	24	1	20	0.0	ISPARE	-		
UTURE AFC FARE GATE	0.0	20	1	23	- B -	20	1	20	0.0	ISPARE	-		
PARE		20					<u> </u>				-		
	0.0	20	1	29	C	30	1	20	0.0	SPARE	_		
PARE			1	31	A • •	32	1	20	0.0	SPARE	_		
PARE	0.0	20	1	33	• B •	34	1	20	0.0	SPARE	_		
PARE	0.0	20	1	35	C	36	1	20	0.0	SPARE	_		
PARE	0.0	20	1	37	A	38	3	40	2.9	EXIST. KIOSK LOAD CENTER "KES	5		
EXIST ING VENDOR	0.8	20	1	39	- 8 -	40	-	•	2.5		_		
SPARE	0.0	20	1	41	C	42	-	•	2.5		_		
ICUT C					SUN	IMA	RY						
			x 125%	6	SUN	IMA	RY			KVA			
ECEPTACLES, FIRST 10 KVA		10.0	x 1259 x 1009	6	SUN	IMA	RY		10.0	KVA			
RECEPTACLES, FIRST 10 KVA RECEPTACLES		10.0 6.4	x 125% x 100% x 50%	6	SUN	IMA	RY		10.0 3.2	KVA KVA			
RECEPTACLES, FIRST 10 KVA RECEPTACLES AISC, APPLIANCES		10.0 6.4 0.0	x 1259 x 1009 x 50% x 1009	6	SUN	IMA	RY		10.0 3.2 0.0	kva kva kva			
RECEPTACLES, FIRST 10 KVA RECEPTACLES MISC, APPLIANCES ARGEST MOTOR		10.0 6.4 0.0 0.0	x 125% x 100% x 50% x 100% x 125%	6 6	SUN	IMA	RY		10.0 3.2 0.0	KVA KVA			
RECEPTACLES, FIRST 10 KVA RECEPTACLES MISC. APPLIANCES ARGEST MOTOR MOTORS		10.0 6.4 0.0 0.0 0.0	x 1259 x 1009 x 50% x 1009 x 1259 x 1009	6	SUN	IMA	RY		10.0 3.2 0.0 0.0	kva kva kva			
RECEPTACLES, FIRST 10 KVA RECEPTACLES MISC, APPLIANCES ARGEST MOTOR MOTORS IEAT		10.0 6.4 0.0 0.0 0.0 3.0	x 1257 x 1007 x 50% x 1007 x 1257 x 1007 x 1257	6 6 6	SUN	IMA	RY		10.0 3.2 0.0 0.0 0.0	KVA KVA KVA KVA	_		
ECEPTACLES, FIRST 10 KVA ECEPTACLES IISC, APPLIANCES ARGEST MOTOR IOTORS IEAT		10.0 6.4 0.0 0.0 0.0 3.0	x 1259 x 1009 x 50% x 1009 x 1259 x 1009	6 6 6	SUN	<b>IMA</b>	RY		10.0 3.2 0.0 0.0 0.0 3.8	kva kva kva kva kva			
RECEPTACLES, FIRST 10 KVA RECEPTACLES MISC, APPLIANCES ARGEST MOTOR MOTORS IEAT C		10.0 6.4 0.0 0.0 0.0 3.0 4.5	x 1257 x 1007 x 50% x 1007 x 1257 x 1007 x 1257		SUN	IMA	RY		10.0 3.2 0.0 0.0 0.0 3.8 4.5	kva kva kva kva kva kva kva			
ECEPTACLES, FIRST 10 KVA ECEPTACLES IISC, APPLIANCES ARGEST MOTOR IOTORS IEAT C KATER HEATING		10.0 6.4 0.0 0.0 0.0 3.0 4.5 0.0	x 1257 x 1007 x 50% x 1007 x 1259 x 1009 x 1259 x 1009				RY		10.0 3.2 0.0 0.0 0.0 3.8 4.5 0.0	kva kva kva kva kva kva kva			
RECEPTACLES, FIRST 10 KVA RECEPTACLES MISC, APPLIANCES ARGEST MOTOR MOTORS REAT IC VATER HEATING TOTAL CONNECTED LOAD		10.0 6.4 0.0 0.0 0.0 3.0 4.5 0.0	x 1257 x 1007 x 50% x 1007 x 1257 x 1007 x 1257 x 1007 x 1257		TOT				10.0 3.2 0.0 0.0 3.8 4.5 0.0 <b>21.5</b>	KVA KVA KVA KVA KVA KVA KVA			
RECEPTACLES, FIRST 10 KVA RECEPTACLES AISC, APPLIANCES ARGEST MOTOR AOTORS IEAT IC VATER HEATING TOTAL CONNECTED LOAD CONNECTED LOAD PHASE SUMMA		10.0 6.4 0.0 0.0 3.0 4.5 0.0 <b>23.9</b>	x 1257 x 1007 x 50% x 1007 x 1257 x 1007 x 1257 x 1007 x 1257		TOT		IAND K		10.0 3.2 0.0 0.0 3.8 4.5 0.0 <b>21.5</b>	<ul> <li>KVA</li> </ul>			
RECEPTACLES, FIRST 10 KVA RECEPTACLES MISC, APPLIANCES ARGEST MOTOR MOTORS REAT C VATER HEATING TOTAL CONNECTED LOAD RONNECTED LOAD PHASE SUMM/ MASE A:		10.0 6.4 0.0 0.0 0.0 3.0 4.5 0.0 23.9 9.3	x 1257 x 1007 x 50% x 1007 x 1257 x 1007 x 1257 x 1007 x 1257 KVA		TOT		IAND K		10.0 3.2 0.0 0.0 3.8 4.5 0.0 <b>21.5</b>	<ul> <li>KVA</li> </ul>			
RECEPTACLES, FIRST 10 KVA RECEPTACLES MISC, APPLIANCES ARGEST MOTOR MOTORS IEAT C VATER HEATING YATER HEATING YATER HEATING CONNECTED LOAD PHASE SUMM/ PHASE A: HASE B:		10.0 6.4 0.0 0.0 0.0 3.0 4.5 0.0 23.9 9.3 8.1	x 1257 x 1007 x 50% x 1007 x 1257 x 1007 x 1257 x 1007 x 1257 KVA		TOT		IAND K		10.0 3.2 0.0 0.0 3.8 4.5 0.0 <b>21.5</b>	<ul> <li>KVA</li> </ul>			
ECEPTACLES, FIRST 10 KVA ECEPTACLES IISC, APPLIANCES ARGEST MOTOR IOTORS IEAT C WATER HEATING OTAL CONNECTED LOAD CONNECTED LOAD PHASE SUMM/ HASE A: HASE B: HASE C: NOTES: A. EXISTING PANEL "SF"	' IS FED	10.0 6.4 0.0 0.0 3.0 4.5 0.0 23.9 9.3 8.1 7.3 FROM 2	x 1257 x 1009 x 50% x 1009 x 1259 x 1009 x 1259 x 1009 x 1259 KVA KVA KVA KVA	6 6 6 6 6 6 6 6 6 6 6 6 6 6	TOT/ TOT/	AL DEM	IAND KI	MPS	10.0 3.2 0.0 0.0 3.8 4.5 0.0 21.5 59.6	kVA kVA kVA kVA kVA kVA kVA kVA <b>kVA</b> <b>kVA</b>	#6-		
ECEPTACLES, FIRST 10 KVA ECEPTACLES ISC. APPLIANCES ARGEST MOTOR OTORS EAT C (ATER HEATING OTAL CONNECTED LOAD ONNECTED LOAD PHASE SUMM/ HASE A: HASE B: HASE C: YOTES: A. EXISTING PANEL "SF" 125/3P VIA 75KVA T B. EXISTING WIRING FED	' is fed Transfor	10.0 6.4 0.0 0.0 3.0 4.5 0.0 23.9 9.3 8.1 7.3 FROM 22 MER ST- OTTOM 0	x 1259 x 1009 x 50% x 1259 x 1259 x 1259 x 1259 x 1259 x 1259 KVA KVA KVA KVA KVA F PAN	5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	TOT/ TOT/ , 4W "S CONNEC	AL DEM	IAND KI IAND AI D ESSEI CH SF-	MPS NTIAL" LC -PANEL-I	10.0 3.2 0.0 0.0 3.8 4.5 0.0 21.5 59.6	KVA KVA KVA KVA KVA KVA KVA KVA	#6-		
ECEPTACLES, FIRST 10 KVA ECEPTACLES IISC. APPLIANCES ARGEST MOTOR IOTORS IEAT C WATER HEATING OTAL CONNECTED LOAD CONNECTED LOAD PHASE SUMM/ HASE A: HASE B: HASE B: HASE C: NOTES: A. EXISTING PANEL "SF" 125/3P VIA 75KVA T B. EXISTING WIRING FED • 2-6 1/2"x 1 EXISTING WIRING FED • 1-6"x 24" WIR	IS FED TRANSFOR FROM B 1/2" FLO FROM TO E TROUGE	10.0 6.4 0.0 0.0 0.0 3.0 4.5 0.0 23.9 9.3 8.1 7.3 FROM 2: MER ST- OTTOM 0 OOR DUC: OP OF P H TO TR	x 1257 x 1007 x 50% x 1009 x 1257 x 1007 x 1257 x 1007 x 1257 x 1007 x 1257 KVA KVA KVA KVA KVA KVA KVA KVA KVA	27, 30 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 7 7 8 9 7 8 9 7 8 9 7 8 9 7 8 9 7 8 9 8 9	TOT/ TOT/ TOT/ ; ; FILL >2 (WIRING	AL DEM AL DEM . SWB1 T SWT	IAND KI IAND AI D ESSE CH SF-	MPS NTIAL" LC -PANEL-I	10.0 3.2 0.0 0.0 3.8 4.5 0.0 21.5 59.6	KVA KVA KVA KVA KVA KVA KVA KVA	#6-		
ECEPTACLES, FIRST 10 KVA ECEPTACLES IISC, APPLIANCES ARGEST MOTOR IOTORS EAT C (ATER HEATING OTAL CONNECTED LOAD ONNECTED LOAD PHASE SUMM/ HASE A: HASE B: HASE B: HASE C: NOTES: A. EXISTING PANEL "SF" 125/3P VIA 75KVA TO B. EXISTING WIRING FED 1 - 6"x 24" WIR EXISTING WIRING FED	IS FED TRANSFOR FROM B 1/2" FLO FROM TO E TROUGH FROM LE	10.0 6.4 0.0 0.0 0.0 3.0 4.5 0.0 23.9 9.3 8.1 7.3 FROM 2: WER ST- OTTOM O OOR DUC: OP OF P H TO TR EFT SIDE	x 1257 x 1007 x 50% x 1009 x 1257 x 1007 x 1257 x 1007 x 1257 x 1007 x 1257 KVA KVA KVA KVA KVA KVA KVA KVA KVA	27, 30 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	TOT/ TOT/ TOT/ ; ; FILL >2 (WIRING	AL DEM AL DEM . SWB1 T SWT	IAND KI IAND AI D ESSE CH SF-	MPS NTIAL" LC -PANEL-I	10.0 3.2 0.0 0.0 3.8 4.5 0.0 21.5 59.6	KVA KVA KVA KVA KVA KVA KVA KVA		CT NO.	
ECEPTACLES, FIRST 10 KVA ECEPTACLES IISC. APPLIANCES ARGEST MOTOR IOTORS EAT C /ATER HEATING OTAL CONNECTED LOAD ONNECTED LOAD PHASE SUMM/ HASE A: HASE B: HASE C: NOTES: A. EXISTING PANEL "SF" 125/3P VIA 75KVA T B. EXISTING WIRING FED • 2-6 1/2"x 1 EXISTING WIRING FED • 1-6"x 24" WIR	IS FED TRANSFOR FROM B 1/2" FLO FROM TO E TROUGH FROM LE	10.0 6.4 0.0 0.0 0.0 3.0 4.5 0.0 23.9 9.3 8.1 7.3 FROM 2: WER ST- OTTOM O OOR DUC: OP OF P H TO TR EFT SIDE	x 1257 x 1007 x 50% x 1009 x 1257 x 1007 x 1257 x 1007 x 1257 x 1007 x 1257 KVA KVA KVA KVA KVA KVA KVA KVA KVA	27, 30 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	TOT/ TOT/ TOT/ ; ; FILL >2 (WIRING	AL DEM AL DEM . SWB1 T SWT	IAND KY IAND AI D ESSEI CH SF- -WIRING >30%).	NTIAL" LO -PANEL-I 3 FILL>4	10.0 3.2 0.0 0.0 3.8 4.5 0.0 21.5 59.6 S9.6	KVA KVA KVA KVA KVA KVA KVA KVA AMPS	CONTRA 14-F	Q10060-CE	-
RECEPTACLES, FIRST 10 KVA RECEPTACLES MISC. APPLIANCES ARGEST MOTOR MOTORS IEAT C VATER HEATING OTAL CONNECTED LOAD CONNECTED LOAD PHASE SUMM/ PHASE A: HASE B: HASE C: NOTES: A. EXISTING PANEL "SF" 125/3P VIA 75KVA T B. EXISTING WIRING FED • 2-6 1/2"×1 EXISTING WIRING FED • 1-6"× 24" WIR EXISTING WIRING FED • 1-3/4" C. (WI	" IS FED TRANSFOR 1 FROM BI 1/2" FLO FROM TO RE TROUGI FROM LE RING FILL	10.0 6.4 0.0 0.0 3.0 4.5 0.0 23.9 9.3 8.1 7.3 FROM 2 3.9 9.3 8.1 7.3 FROM 2 SMER ST- OTTOM OD OOR DUC OP OF P H TO TR EFT SIDE - >40%).	x 1259 x 1009 x 50% x 1259 x 1259 x 1259 x 1259 x 1259 x 1259 x 1259 KVA KVA KVA KVA KVA KVA KVA KVA KVA COF P	277, 36 6 6 6 6 6 6 6 6 6 6 6 7 7 7 8 9 7 10 10 10 10 10 10 10 10 10 10 10 10 10	TOT/ TOT/ , 4W "S CONNEC : FILL >2 (WIRING BY:	AL DEM AL DEM T SWIT 20%)(1: FILL >	IAND KY IAND AI D ESSEI CH SF- -WIRING >30%).	NTIAL" LO -PANEL-I 3 FILL>4	10.0 3.2 0.0 0.0 3.8 4.5 0.0 21.5 59.6 VEZZ (S		CONTRU 14-F PROG	Q10060-CE RAM (N	14.5
RECEPTACLES, FIRST 10 KVA RECEPTACLES MISC. APPLIANCES ARGEST MOTOR MOTORS HEAT AC VATER HEATING OTAL CONNECTED LOAD CONNECTED LOAD PHASE SUMM/ PHASE A: PHASE A: PHASE C: NOTES: A. EXISTING PANEL "SF" 125/3P V/A 75KVA T B. EXISTING WIRING FED 0 1-6"x 24" WIR EXISTING WIRING FED 0 1-6"x 24" WIR EXISTING WIRING FED 0 1-3/4" C. (WI	" IS FED TRANSFOR 1 FROM BI 1/2" FLO FROM TO RE TROUGI FROM LE RING FILL	10.0 6.4 0.0 0.0 0.0 3.0 4.5 0.0 23.9 9.3 8.1 7.3 FROM 2: MER ST- 00 00 P OF P H TO TR STO 00 P OF P H TO TR EFT SIDE ->40%).	x 1259 x 1009 x 50% x 1009 x 1259 x 1009 x 1259 x 1009 x 1259 x 1009 x 1259 x 1009 x 1259 KVA KVA KVA KVA KVA KVA KVA KVA SF01 OF P SIT A	277, 30 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	TOT/ TOT/ , 4W "S CONNEC : FILL >2 (WIRING BY:	AL DEM AL DEM T SWR 20%)(1- FILL > ITY	AND KY AND AI D ESSE CH SF- -WIRING >30%).	NTIAL" LO -PANEL-I 3 FILL>4	10.0 3.2 0.0 0.0 3.8 4.5 0.0 21.5 59.6 VEZZ (S	KVA KVA KVA KVA KVA KVA KVA KVA AMPS	room 14-F PROG TATIO	Q10060-CE RAM (N	-
B. EXISTING WIRING FED • 2-6 1/2"x 1 EXISTING WIRING FED • 1-6"x 24" WIR EXISTING WIRING FED • 1-3/4" C. (WI METROPOLITAN AR INFRASTRUCTURE SCRIVICES FRENEVAL PROGRAM	" IS FED TRANSFOR 1 FROM BI 1/2" FLO FROM TO RE TROUGI FROM LE RING FILL	10.0 6.4 0.0 0.0 0.0 3.0 4.5 0.0 23.9 9.3 8.1 7.3 FROM 2: MER ST- 00 00 P OF P H TO TR STO 00 P OF P H TO TR EFT SIDE ->40%).	x 1259 x 1009 x 50% x 1009 x 1259 x 1009 x 1259 x 1009 x 1259 x 1009 x 1259 x 1009 x 1259 KVA KVA KVA KVA KVA KVA KVA KVA SF01 OF P SIT A	277, 30 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	TOT/ TOT/ TOT/ FILL >2 (WRING BY:	AL DEM AL DEM T SWR 20%)(1- FILL > ITY	AND K AND A D ESSE CH SF- 	NTIAL" LO -PANEL-I 3 FILL>4	10.0 3.2 0.0 0.0 3.8 4.5 0.0 21.5 59.6 0 21.5 59.6	KVA KVA KVA KVA KVA KVA KVA KVA	TATIC ULE	Q10060-CE RAM (N	-

		REFERENCE DRAWINGS			REVISIONS	WASHINGTON METROPOLITAN AREA TRANSIT AUTHORIT
DESIGNED C. NGO 07-14 DATE	NUMBER	DESCRIPTION	DATE	BY	DESCRIPTION	
DRAWN C. NGO 07-14 DATE						DEPARTMENT OF TRANSIT INFRASTRUCTURE
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APPROVED N/A DATE						
DAIL						APPROVED SUBMITTED PROJECT MANAGER

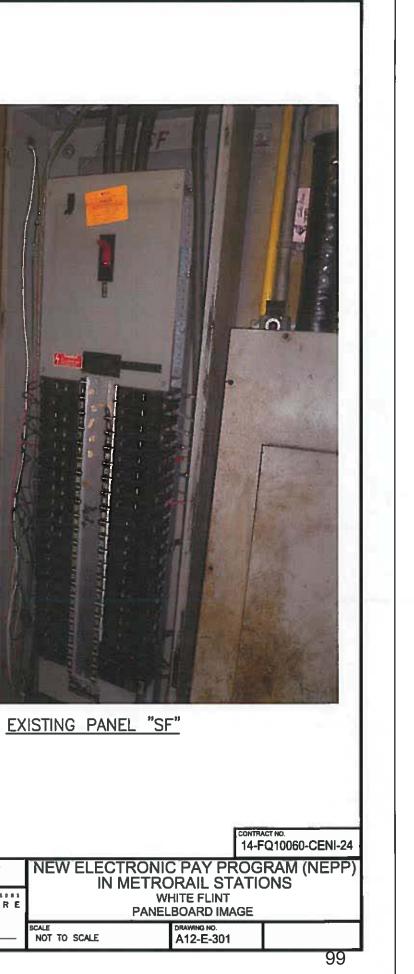


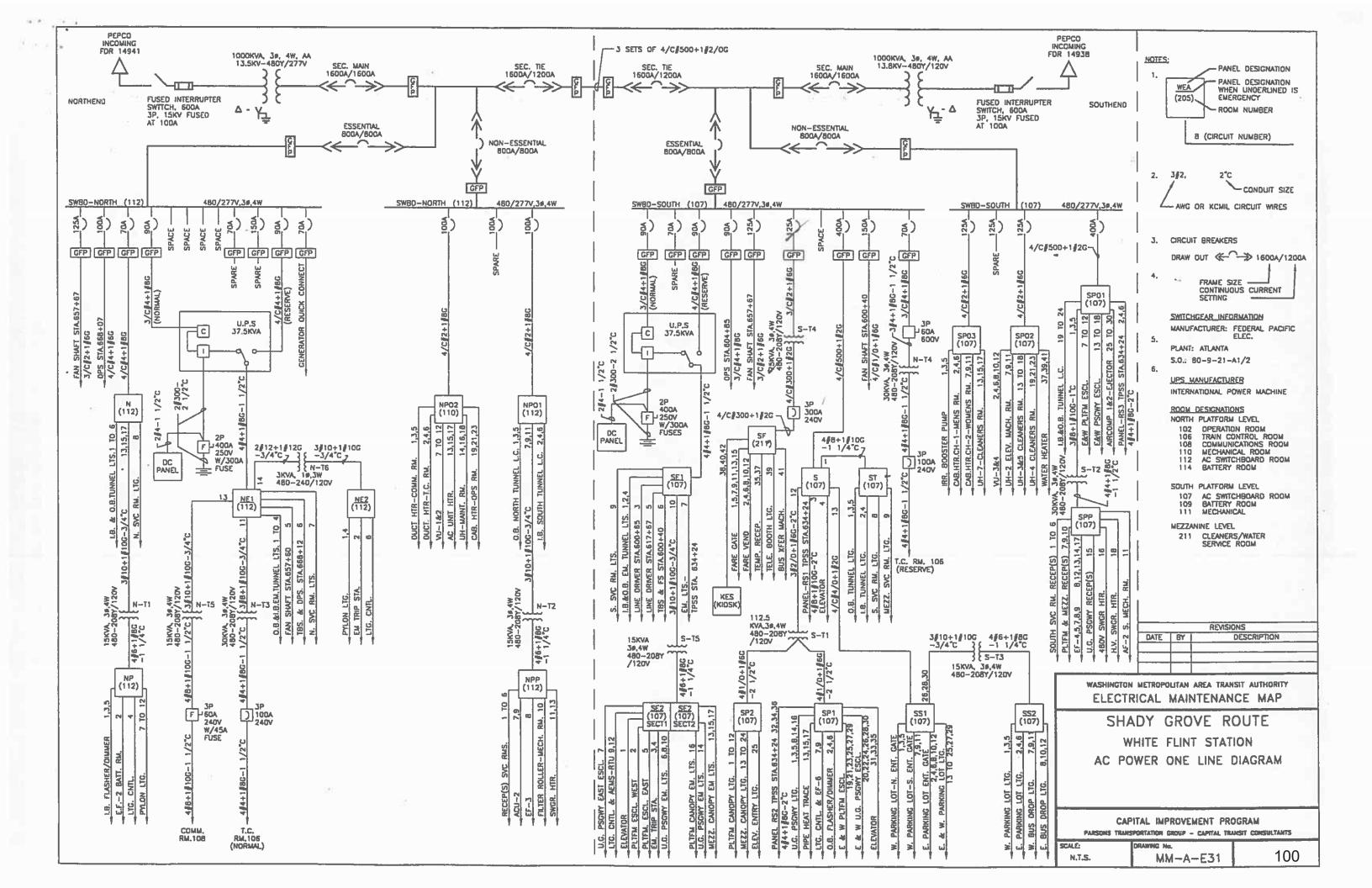
EXISTING PANEL "SF"



EXISTING PANEL "SF"

	REFERENCE DRAWINGS	REVISIONS	
DESIGNED C. NGO 07-14	NUMBER DESCRIPTION	DATE BY DESCRIPTION	WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY
DESIGNED	NUMBER DESCRIPTION	DATE BY DESCRIPTION	
DRAWN <u>C. NGO</u> 07-14			DEPARTMENT OF TRANSIT INFRASTRUCTURE AND ENGINEERING SERVICES
CHECKED B. IDILBI 07-14			AND ENGINEERING SERVICES DINT VENTUR
CHECKED DATE			OFFICE OF INFRASTRUCTURE RENEWAL PROGRAM
APPROVED N/A			
DATE			APPROVED SUBMITTED





- ALL WORK, MATERIAL AND EQUIPMENT SHALL COMPLY WITH THE LATEST NATIONAL ELECTRICAL CODE BEING USED BY THE LOCAL JURISDICTION AND SHALL COMPLY WITH ALL LOCAL CODES AND ORDINANCES.
- 2. MATERIALS AND EQUIPMENT SHALL BE NEW EXCEPT WHERE INDICATED OTHERWISE. ALL OTHER WIRING DEVICES, CONDUIT, WIRE, ETC. SHALL BE NEW UNLESS NOTED OTHERWISE.
- 3. ALL MATERIALS AND EQUIPMENT SHALL BEAR U.L. LISTING.
- 4. MAINTAIN GROUNDING CONTINUITY TO ALL DEVICES AND EQUIPMENT IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE.
- 5. WORK NOT SPECIFICALLY SPECIFIED OR INDICATED SHALL CONFORM WITH SPECIFICATIONS.
- 6. ALL CONDUITS SHALL BE RUN CONCEALED IN UNDER FLOOR DUCT.
- ALL WIRE AND CABLE SHALL BE COPPER HAVING 600 VOLTS XHHW-2 OR RHW-2 INSULATIONS. PROVIDE #12 WIRE MINIMUM, UNLESS OTHERWISE NOTED. ALL CABLES SHALL BE LOW SMOKE ZERO HALOGEN CABLE.
- 8. THE CONTRACTOR SHALL VISIT THE SITE AND EXAMINE THE CONDITION OF THE PREMISES AND THE CHARACTER AND EXTENT OF WORK REQUIRED PRIOR TO SUBMISSION OF BIDS.
- OBTAIN ALL PERMITS AND PAY ALL FEES NECESSARY FOR INSPECTIONS, TESTS & OTHER SERVICES REQUIRED FOR THE COMPLETION OF THIS WORK.
- 10. ALL WORK SHALL BE DONE AT SUCH TIMES AND IN SUCH A MANNER THAT WILL LEAST INTERFERE WITH THE MAINTENANCE AND OPERATION OF ALL RELATED OR AFFECTED SYSTEMS. COORDINATE ALL POWER OUTAGES WITH WMATA PROJECT MANAGER.
- 11. IT IS THE INTENT OF THESE DRAWINGS AND OTHER RELATED DOCUMENTS TO PRODUCE A COMPLETE AND FUNCTIONING ELECTRICAL SYSTEM. PROVIDE ALL LABOR, MATERIAL AND OTHER SERVICES NECESSARY TO ACHIEVE THIS PRODUCT. NOTIFY THE ENGINEER OF ANY DISCREPANCIES IN THE PLANS & SPECIFICATIONS THAT WILL AFFECT THE WORK, PRIOR TO SUBMISSION OF THE BID PRICE.
- 12. IF, DURING THE COURSE OF THE WORK, THE CONTRACTOR EXPERIENCES A CONFLICT RELATIVE TO THE PLANS AND SPECIFICATIONS, THE NEC OR OTHER APPLICABLE CODES AND GOVERNING DOCUMENTS, HE SHALL NOTIFY THE ENGINEER FOR DIRECTION PRIOR TO EXECUTION OF THIS WORK. ANY WORK INSTALLED IN VIOLATION OF THE CONTRACT DOCUMENT OR APPLICABLE CODES WHICH COULD HAVE BEEN AVOIDED BY CONTACTING THE ENGINEER SHALL BE RECTIFIED AT NO ADDITIONAL COST.
- ELECTRICAL PLANS ARE DIAGRAMMATIC & INDICATE GENERAL ARRANGEMENT OF SYSTEMS AND WORK. CHECK DRAWINGS OF OTHER TRADES TO VERIFY SPACE CONDITIONS, ETC. MAINTAIN WORKING CLEARANCES.
- 14. CIRCUIT NUMBERS ARE FOR IDENTIFICATION PURPOSES ONLY. THE CONTRACTOR IS RESPONSIBLE FOR CORRECTLY PHASING THE CIRCUITS IN THE PANEL AND SHALL BALANCE THE LOAD ON THE PHASES UNDER NORMAL OPERATING CONDITIONS. PROVIDE TYPEWRITTEN PANELBOARD DIRECTORIES. BALANCE THE PHASE LOADS TO WITHIN 20 PERCENT OF EACH OTHER.

- 15. INCREASE ALL BRANCH CIRCUIT CONDUCTORS TO THE NEXT LARGER SIZE FROM THE PANEL TO THE FIRST OUTLET WHERE THE LENGTH OF THE HOMERUN EXCEEDS 100FT. ON 120/208V CIRCUITS.
- 16. PROVIDE A PULLWIRE OR FISHTAPE/CORD IN ALL EMPTY CONDUCT RUNS.
- 17, VERIFY WIRE SIZES, CIRCUIT BREAKERS AND FUSES RATINGS FOR ALL EQUIPMENT, AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES AFFECTING THE WORK PRIOR TO PROCEEDING.
- 18. ALL PANELS IMPACTED BY THIS PROJECT SHALL BE PROVIDED WITH NEW, UPDATED TYPEWRITTEN PANEL SCHEDULES (FOR NEW AND EXISTING CIRCUITS) INDICATING THE FINAL ROOM NUMBER AND THE EQUIPMENT OR DEVICES SERVED BY THE CIRCUITS.
- 19. DEMOLITION OF EXISTING WORK SHALL BE PERFORMED AFTER HOURS. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE WMATA PROJECT MANAGER PRIOR TO PERFORMING ALL THE WORK. THE TIME OF DAY OR EVENING SHALL BE DESIGNATED BY THE WMATA PROJECT MANAGER.
- 20. ALL WIRING SHALL BE IN CONDUIT, MINIMUM SIZE 3/4 INCH WITH LARGER SIZES AS INDICATED OR REQUIRED BY NEC. ALL CONDUITS SHALL BE RIGID GALVANIZED STEEL THREADED COUPLING FOR COMPLETE WATER PROOF INSTALLATION.
- 21. AT JOB COMPLETION, AND BEFORE FINAL ACCEPTANCE BY WMATA, TEST EACH RECEPTACLE AND PANELBOARD FOR PROPER OPERATION. WIRING SHALL BE TESTED FOR CONTINUITY, SHORTS, ETC... ALL WORK AREAS, ETC... SHALL BE CLEANED AT THE COMPLETION OF THIS PROJECT.
- 22. FOR DEVICE IDENTIFICATION, THE ELECTRICAL CONTRACTOR SHALL LABEL ALL PANELBOARDS, JUNCTION BOXES, ETC...TO INDICATE THE NAME, VOLTAGE, SERVING EQUIPMENT AND ITEM SERVED ETC... LABELS FOR EMERGENCY CIRCUITS SHALL BE IN RED, NORMAL CIRCUITS SHALL BE IN BLACK. ALL DEVICES SHALL BE IDENTIFIED EITHER ON THE FACE OF THE COVERPLATE OR INSIDE PER WMATA PREFERENCE. ALL JUNCTION BOXES SHALL BE LABELED TO INDICATE THE CIRCUITS CONTAINED BY THE JUNCTION BOX.
- 23. THE CONTRACTOR SHALL UPDATE THE SCHEDULES OF ALL PANELBOARDS AFFECTED BY THIS PROJECT TO REFLECT CHANGES DUE TO THE PROJECT WORK. PANEL SCHEDULE LOAD DESCRIPTIONS ARE TO INCLUDE THE FINAL ROOM OR AREA NUMBERS.
- 24. INCLUDE GPR FOR ANY CORE DRILLS OR DRILLED PENETRATIONS IN ANY WALLS.
- 25. SEAL OFF ALL PENETRATIONS THRU WALLS/FLOORS.
- 26. THE CONTRACTOR SHALL BECOME FAMILIAR WITH WMATA DESIGN CRITERIA SECTION 4 AND SECTION 13; WMATA SPECIFICATION SECTION 16120, 16130, AND 16125. ALL INSTALLATION SHALL BE IN COMPLIANCE WITH THE NEC, WMATA DESIGN CRITERIA, AND SPECIFICATIONS.
- 27. THE CONTRACTOR SHALL IDENTIFY SPARE CIRCUIT WITH "RESERVED FOR AFC".
- 28. EXISTING SWITCHBOARDS, PANELBOARDS AND EQUIPMENT SHOWN IS BASED ON RECORD DRAWINGS AND CASUAL FIELD SURVEY, CONTRACTOR SHALL VERIFY ALL ELECTRICAL EQUIPMENT IN FIELD.
- 29. The conduit utilized for this project shall be 1-1/2" min. or larger as indicated. The liquid tight utilized for the kiosk shall be 1-1/2" from the entry to the 8x8 junction box, then 1" from the junction box to the quads. All boxes used in or on the kiosk shall be NEMA 4x.

#### ABBREVIATIONS

A, AMP	AMPERES	NEC	NATIONAL ELECTRIC CODE
AC	ALTERNATING CURRENT	Ρ	POLE
AF	AMPERE FRAME	PH	PHASE
AFC	AUTOMATED FARE COLLECTION SYSTEM	PNL	PANELBOARD
AFF	ABOVE FINISHED FLOOR	PRI	PRIMARY
AIC	AMPERE INTERRUPTING CAPACITY	PROP	PROPOSED
AT	AMPERE TRIP	RGS	RIGID GALVANIZED STEEL
BKR	BREAKER	SEC	SECONDARY
С	CONDUIT	SHT	SHEET
СВ	CIRCUIT BREAKER	SW	SWITCH
сст	CIRCUIT	SWBD	SWITCHBOARD
¢	CENTER LINE	TYP	TYPICAL
CLG	CEILING	U/G	UNDER GROUND
CONST	CONSTRUCTION	U.L.	UNDERWRITERS LABORATORIES
DISC	DISCONNECT	UON	UNLESS OTHERWISE NOTED
E	ELECTRICAL	VOLT	VOLTAGE
GND	GROUND	W	WATT
JB	JUNCTION BOX	WMATA	WASHINGTON METROPOLITIAN AREA TRANSIT AUTHORITY
KAIC	THOUSAND AMPERE INTERRUPTING CAPACITY	WP	WEATHERPROOF
KCMIL	THOUSAND CIRCULAR MILL		
KVA	KILOVOLT AMPERE		
МАХ	MAXIMUM		
MCA	MINIMUM CIRCUIT AMPERE		
мсв	MAIN CIRCUIT BREAKER		
MEZZ	MEZZANINE		
MIN	MINIMUM		
MLO	MAIN LUGS ONLY		

DESIGNED C. NOD 07-14 NUMBER DESCRIPTION DATE BY DESCRIPTION DATE BY DESCRIPTION	ODITY
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DRAWN C. NGO 07-14 DEPARTMENT OF TRANSIT INFRASTRUCTURE	ENTUR
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#### DRAWING INDEX

801-E-001	ABBREVIATIONS, DRAWING INDEX, SPECIFICATIONS & SYMBOL LIST
B01-E-101	GALLERY PLACE EAST - KIOSK - POWER
B01-E-102	GALLERY PLACE EAST - PANEL SCHEDULE
B01-E-301	GALLERY PLACE EAST - PANELBOARD IMAGE
MM-8-E07	GALLERY PLACE - AC POWER ONE LINE DIAGRAM

## ELECTRICAL SYMBOL LIST

	ICAL STWDUL LIST
Ŧ	QUADRUPLEX RECEPTACLE OUTLET- 20A, 125V WALL MOUNTED.
J	JUNCTION BOX - SURFACE MOUNTED ON UNISTRUT CHANNEL
	CONDUIT - CONCEALED IN UNDER FLOOR DUCT U.O.N.
<u><u><u></u></u><u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u></u></u>	HOMERUN TO PANEL, NUMBER OF ARROWHEADS INDICATES NUMBER OF CIRCUITS. CROSS HATCHING INDICATES NUMBER OF CONDUCTORS, NUMBER INDICATES SIZE OF CONDUCTOR AND SIZE OF CONDUIT 1 - INDICATES GROUNDING WIRE TO GROUNDING BUS AT THE PANELBOARD
	EE – INDICATES CIRCUIT HOME RUN PANELBOARD AND 1,3 CIRCUIT NUMBER IDENTIFICATION
	CONTRACT NO
	14-FQ10060-CENI-24
NEW	ELECTRONIC PAY PROGRAM (NEPP)
	IN METRORAIL STATIONS ABBREVIATIONS, DRAWING INDEX,
E	SPECIFICATIONS & SYMBOL LIST
- NOT TO S	CALE B01-E-001

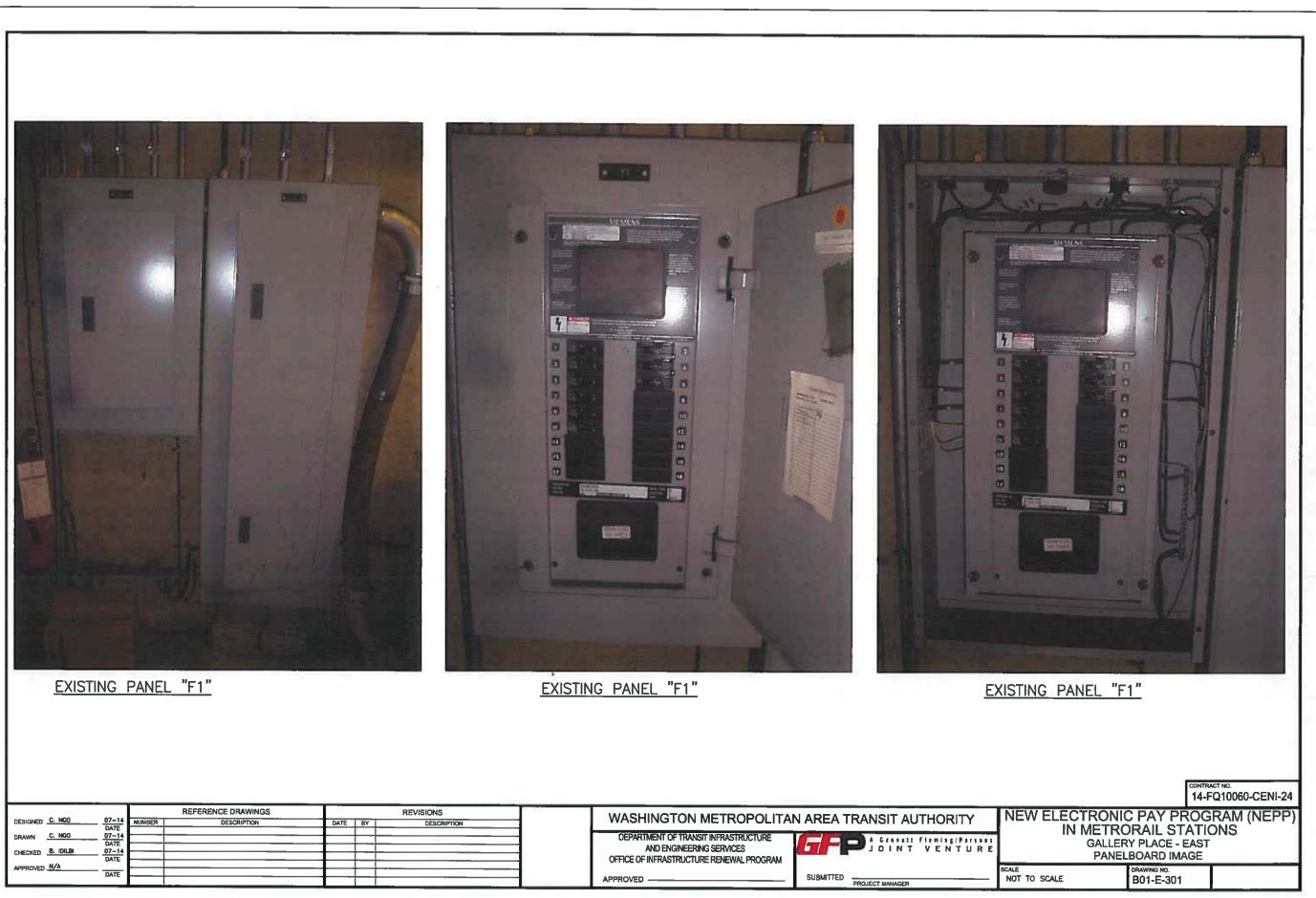
			300 STL 1.5	
8-1/C #10 + 1#10 GND. IN 1-1/2" c           (APPROX. DISTANCE TO PANEL 1-1/2" c           F1" 110'-0")           NEPP COMPUTER (NOTE 2)           (NOTE 3&4) 2,4,6,8           2           TT EQUIPMENT (NOTE 2)		1. US W 2. V 3. CC IN 4. PF LE KI SAF 1. AL	AWING NOTES: SE EXISTING UNDER FLOOR DUCT FOR POWER WIRING. ALL OUT TRING SHALL BE IN CONDUIT. ERIFY WITH WMATA PERSONNEL FOR LOCATION OF RECEPTACLES ONNECT CIRCUIT #2, #4, #6 & #8 TO EXISTING 20A, 1P SPARE 1 THE EXISTING PANEL "F1", SEE PANEL SCHEDULE ON DWG. B ROVIDE A ROUGHIN CIRCUIT FOR FUTURE AFC FARE GATE COILE INGTH OF COLLED PICTAIL SHALL BE THE FARTHEST FARE GATE IOSK PLUS AN EXTRA 6'-0" CONDUCTOR. FETY PRECAUTION: LL WORK SHALL COMPLY WITH WMATA SAFETY RULES, AND DE- DUCIES.	& JUNCTION BOXES. E CIRCUIT BREAKERS 01-E-102. D AT THE KIOSK. THE DISTANCE FROM
KIOSK - POWER SCALE: 1/4" = 1'- 0"				
DESIGNED     C. NGO     07-14     REFERENCE DRAWINGS     REVISIONS       DRAWN     C. NGO     07-14     DATE     DATE     DESCRIPTION     DATE       CHECKED     8. DILBI     07-14     DATE     DATE     DATE	WASHINGTON METROPOLIT DEPARTMENT OF TRANSIT INFRASTRUCTURE AND ENGINEERING SERVICES OFFICE OF INFRASTRUCTVIRE RENEWAL PROGRAM	AN AREA TRANSIT AUTHORITY	NEW ELECTRONIC PAY PROGE IN METRORAIL STATIC GALLERY PLACE - EAST KIOSK - POWER	210060-CENI-24
APPROVED N/A DATE DATE	APPROVED	SUBMITTED PROJECT MANAGER	SCALE DRAWING NO. AS SHOWN B01-E-101	
	U			102

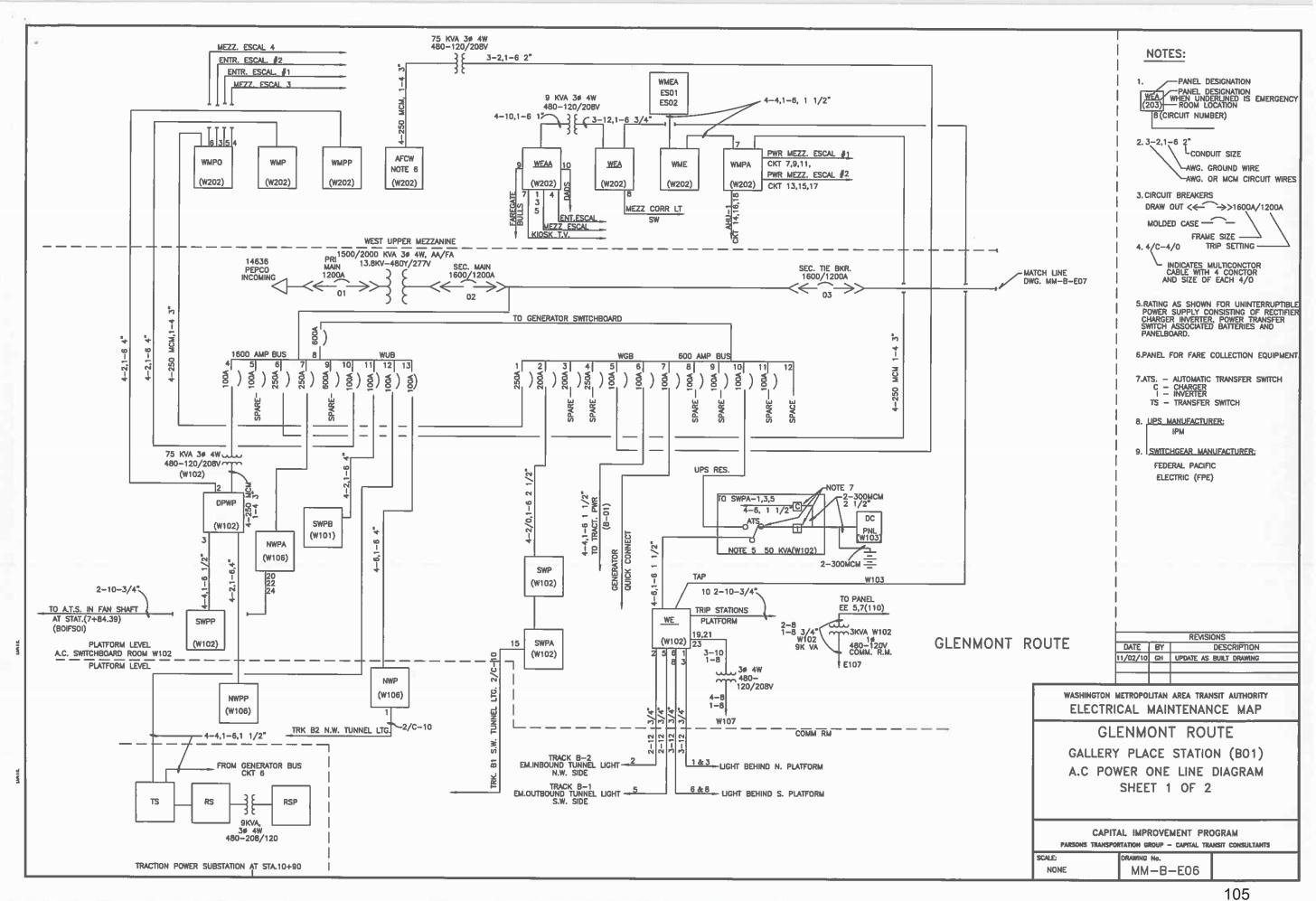


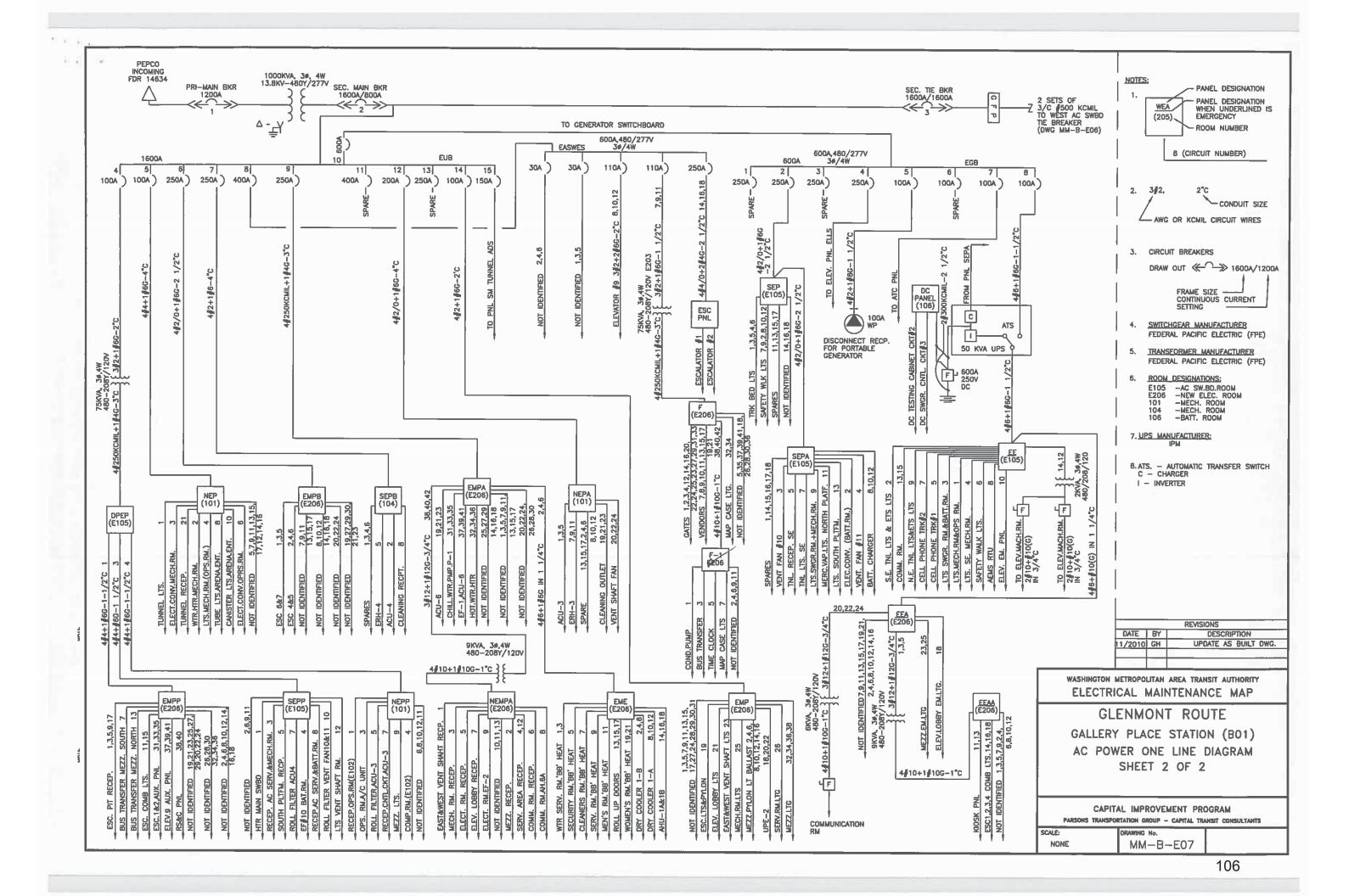
MANS:         SRA MCB         PHASE:         3         LOCATION:         ELECTRICAL, ROOM E206           LATING:         10K AC         WIRE:         4         SECTION:         1 OF 1           LOAD DESCRIPTION         KVA         AMP         FOLE         NO.         POLE         KMRS           LOAD DESCRIPTION         KVA         AMP         FOLE         NO.         POLE         KMRS         LOAD DESCRIPTION           SISTING VENDOR         1.0         20         1         3         -         1         20         0.8         NEW KIOSK RECEPT, (IT & NCS)           SISTING VENDOR         1.0         20         1         3         -         6         1         20         0.8         NEW KIOSK RECEPT, (IT & NCS)           SISTING VENDOR         1.0         20         1         7         -         6         1         20         0.8         FRACE           SISTING VENDOR         1.0         20         1         1         -         C         1.2         -         0.0         SPACE           SISTING VENDOR         1.0         20         1         1         -         C         1.0         SC         SPACE           SISTING VENDOR	NAMS         SBA MCB         PHASE:         I_OCATION:         ELECTRICAL ROOM E206           TATING:         10K A/C         WRE:         4         SECTION:         1 OF 1           I_OAD DESCRIPTION         KVA         AMP         FOLE         NO.         NO.           NIST NO VENDOR         10         20         1         1         A         2         1         20         0.8         NEW KIOSK RECEPT. (INEPPSOC)           XIST NO VENDOR         10         20         1         3         - B         4         1         20         0.8         NEW KIOSK RECEPT. (INEPPSOC)           XIST NO VENDOR         10         20         1         7         A         8         1         20         0.8         NEW KIOSK RECEPT. (INEPPSOC)           XIST NO VENDOR         10         20         1         7         A         8         1         20         0.8         FARE KIOSK)           XIST NO VENDOR         10         20         1         1         -         0.0         SPACE           XIST NO VENDOR         10         20         1         11         -         C         0.0         SPACE           XIST NO VENDOR         10.0	NAME         PHASE         DOCATION:         ELECTRICAL ROOM E206           ATING         WRE         4         SECTION:         1 OF 1           CKT BYRS         CKT.         OKT.         OKT.         OKT.         OKT.           LOAD DESCRIPTION         KVA         AMP         POLE         NO.         POLE         AMP         LOAD DESCRIPTION           XIST MG VENDOR         10         20         1         1         A         2         1         20         0.8         NEW KIOSK RECEPT, (NT & KOS)           XIST MG VENDOR         10         20         1         5         -         C         6         1         20         0.8         NEW KIOSK RECEPT, (NT & KOS)           XIST MG VENDOR         10         20         1         5         -         C         6         1         20         0.8         FARE (KOSK)           XIST MG VENDOR         10         20         1         11         -         C         10         5         SERVE	MANKS         SHA MCB         MARKE         CONTON'         ELECTRICAL ROOM EDG           MARKS         SHA MCB         MARKE         SECTION:         1 OF 1           LOAD DESCRIPTION         KKA         AMP         FOLE         AVE         KKA           LOAD DESCRIPTION         KKA         AMP         FOLE         AVE         KKA         LOAD DESCRIPTION           LOAD DESCRIPTION         KKA         AMP         FOLE         AVE         KKA         LOAD DESCRIPTION           STATION         LOAD DESCRIPTION         KKA         AVE         NO.         FOLE         AVE         KKA         LOAD DESCRIPTION           STATION SMIDOR         13         20         1         3         8         4         1         20         0         SRAZE           STATION SMIDOR         10         20         1         3         8         4         1         20         0         SRAZE           STATION SMIDOR         10         20         1         1         1         20         0         SRAZE           STATION SMIDOR         10         20         1         1         -         0         SRAZE           SPACE         00         1.0			EXIS	5 E IN	IG P	ANE	<u> </u>	1" (l	East)					
NATING:         10K ALC         WRE:         4         SECTION:         1 OF 1           CKT BKKS         CKT         KKB         NO.         POLE         MAP         KVA         LOAD DESCRIPTION         KVA         AMP         POLE         NO.         POLE         MAP         KVA         LOAD DESCRIPTION         KVA         AMP         POLE         MAP         KVA         LOAD DESCRIPTION         KVA         AMP         POLE         MAP         KVA         LOAD DESCRIPTION         KVA         MAP         POLE         MAP         KVA         LOAD DESCRIPTION         KVA         MAP         POLE         MAP         KVA         LOAD DESCRIPTION         KVA         MAP         POLE         AMP         KVA         MAP         RECEPT, (NEPPSOC)         XVA         MAP         NO.         POLE         AMP         NO.         POLE         AMP         NO.         POLE         AMP         NO.         POLE         AMP         NO.         POLE         NO.         POLE         NO.         SVA         NO.         POLE         NO.         SVA         POLE         NO.         SVA         NO.         SVA         NO.         NO.         NO.         NO.         NO.         NO.         NO.	ATTING:         10K AIC         WRE         4         SECTION:         1 OF 1           LOAD DESCRIPTION         KVA         AMP         POLE         NO.         POLE         AVX         LOAD DESCRIPTION         KVA         LOAD DESCRIPTION         KVA         AVP         POLE         NO.         POLE         AVX         LOAD DESCRIPTION         KVA         LOAD DESCRIPTION         KVA         AVX         LOAD DESCRIPTION         KVA         LOAD DESCRIPTION         KVA	ATTING:         10K AIC         WRE         4         SECTION:         1 OF 1           LOAD DESCRIPTION         KVA         AMP         POLE         NO.         POLE         AVX         LOAD DESCRIPTION         KVA         LOAD DESCRIPTION         KVA         AVP         POLE         NO.         POLE         AVX         LOAD DESCRIPTION         KVA         LOAD DESCRIPTION         KVA         AVX         LOAD DESCRIPTION         KVA         LOAD DESCRIPTION         KVA	DATING:         10K AC         WREE         4         SECTION:         1 OF 1           LOAD DESCRIPTION         KKA         CKT BKRS         CKT.         CKT BKRS         KKA         LOAD DESCRIPTION           SERTING VENDOR         11         20         1         3         8         4         120         6.8         NEW VOIDS REET, MERPROCI           SERTING VENDOR         10         20         1         3         8         4         120         6.8         NEW VOIDS REET, MERPROCI           SERTING VENDOR         10         20         1         7         -         6         120         0.0         PROCE         SERTING VENDOR         10         20         1         7         -         6         120         0.0         SPACE         SERTING VENDOR         10         20         1         7         -         6         120         0.0         SPACE	AMPERES: 60	VOLTS:	120/208		MOUN	ITING:	SURF/	CE						
LOAD DESCRIPTION         KVA         AMP         POLE         NO.         POLE         AMP         KVA         LOAD DESCRIPTION           XUST ING VENDOR         10         20         1         1         A         2         1         20         0.8         NEW KIOSK RECEPT, (IFT & NCS)           SXIST ING VENDOR         10         20         1         3         8         4         1         20         0.8         NEW KIOSK RECEPT, (IFT & NCS)           SXIST ING VENDOR         10         20         1         7         A         8         1         20         0.8         NEW KIOSK RECEPT, (IEPTSOC)           SXIST ING VENDOR         10         20         1         7         A         8         1         20         0.0         FUTURE AFC FARE GATE           SXIST ING VENDOR         10         20         1         11         -         C         12         -         0.0         SPACE           SXIST ING VENDOR         10         20         1         11         -         C         10.0         SPACE           SXIST ING VENDOR         10.0         20         1         11         -         C         10.0         SPACE <t< td=""><td>LOAD DESCRIPTION         KVA         AMP         POLE         NO.         CVT.         CKT.         CKT.</td><td>LOAD DESCRIPTION         KVA         AMP         POLE         NO.         CVT.         CKT.         CKT.</td><td>LOAD DESCRIPTION         KM         APP         POLE         NO         POLE         AVB         EVENTS           EXESTING VENDOR         10         20         1         1         A         -         2         0         A         NO         POLE         AVB         EVENTS         EVENTS</td><td>MAINS: 50A MCB</td><td>PHASE:</td><td>3</td><td></td><td></td><td></td><td></td><td>RICAL</td><td>ROOM E2</td><td>06</td><td></td><td></td><td></td><td></td></t<>	LOAD DESCRIPTION         KVA         AMP         POLE         NO.         CVT.         CKT.	LOAD DESCRIPTION         KVA         AMP         POLE         NO.         CVT.         CKT.	LOAD DESCRIPTION         KM         APP         POLE         NO         POLE         AVB         EVENTS           EXESTING VENDOR         10         20         1         1         A         -         2         0         A         NO         POLE         AVB         EVENTS	MAINS: 50A MCB	PHASE:	3					RICAL	ROOM E2	06				
LOAD DESCRIPTION         KVA         AMP         POLE         NO.         POLE         AUP         KVA         LOAD DESCRIPTION           XISTING VENDOR         1.0         20         1         1         A         2         1         20         0.8         NEW KIOSK RECEPT, (IT & NCS)           XISTING VENDOR         1.0         20         1         3         - B         4         1         20         0.8         NEW KIOSK RECEPT, (IT & NCS)           XISTING VENDOR         1.0         20         1         7         A         8         1         20         0.8         NEW KIOSK RECEPT, (IT & NCS)           XISTING VENDOR         1.0         20         1         7         A         8         1         20         0.8         SPARE (KIOSK)           XISTING VENDOR         1.0         20         1         1         -         C         0.0         SPARE           XISTING VENDOR         1.0         20         1         1         -         C         0.0         SPARE           VISTING VENDOR         1.0         20         1         11         -         C         0.0         SPARE           VISTING VENDOR         1.0         20	LOAD DESCRIPTION         KVA         AMP         POLE         NO.         POLE         AMP         KVA         LOAD DESCRIPTION           XIST MG VENDOR         1.0         20         1         1         A         2         1         20         0.8         NEW KIGSK RECEPT, (IT & NOS)           XIST MG VENDOR         1.0         20         1         3         -         2         1         20         0.8         NEW KIGSK RECEPT, (IT & NOS)           XIST MG VENDOR         1.0         20         1         7         A         8         1         20         0.8         NEW KIGSK RECEPT, (IT & NOS)           XIST MG VENDOR         1.0         20         1         7         A         8         1         20         0.0         SPACE           XIST MG VENDOR         1.0         20         1         11         -         1         1         -         0.0         SPACE           XIST MG VENDOR         1.0         20         1         1         -         1         0.0         SPACE           PACE         0.0         -         15         -         1         6         -         0.0         SPACE           PACE	LOAD DESCRIPTION         KVA         AMP         POLE         NO.         POLE         AMP         KVA         LOAD DESCRIPTION           XIST MG VENDOR         1.0         20         1         1         A         2         1         20         0.8         NEW KIGSK RECEPT, (IT & NOS)           XIST MG VENDOR         1.0         20         1         3         -         2         1         20         0.8         NEW KIGSK RECEPT, (IT & NOS)           XIST MG VENDOR         1.0         20         1         7         A         8         1         20         0.8         NEW KIGSK RECEPT, (IT & NOS)           XIST MG VENDOR         1.0         20         1         7         A         8         1         20         0.0         SPACE           XIST MG VENDOR         1.0         20         1         11         -         1         1         -         0.0         SPACE           XIST MG VENDOR         1.0         20         1         1         -         1         0.0         SPACE           PACE         0.0         -         15         -         1         6         -         0.0         SPACE           PACE	LOAD DESCRIPTION         HA         APP         POLE         NO         POLE         AVE         LOAD DESCRIPTION           EXERTING VENDOR         10         20         1         1         A         2         1         20         A         New Kidds RECEPT, (IT & Kidd)           EXERTING VENDOR         10         20         1         5         -         C         6         1         20         0.8         NEW Kidds RECEPT, (IT & Kidd)           EXERTING VENDOR         10         20         1         5         -         C         6         1         20         0.8         NEW Kidds RECEPT, (INEPRSO)           EXERTING VENDOR         10         20         1         9         8         10         -         0.0         SPACE           EXERTING VENDOR         10         20         1         9         16         -         0.0         SPACE           EXERTING VENDOR         10         20         1         1         -         10         0.0         SPACE           EXERTING VENDOR         0.0         -         17         -         C         10         0.0         SPACE           EXERTING VENDOR         0.0         2.0         17 </td <td>RATING: 10K AIC</td> <td>WIRE:</td> <td>4</td> <td></td> <td>SECT</td> <td>ION: 1</td> <td>OF 1</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>1</td> <td></td>	RATING: 10K AIC	WIRE:	4		SECT	ION: 1	OF 1						1	
EXISTING VENDOR         1.0         20         1         1         A         -         2         1         20         0.8         NEW KIDSK RECEPT, (IT & KCS)           XISTING VENDOR         1.0         20         1         3         -         -         1         20         0.8         NEW KIDSK RECEPT, (NEPP/SOC)           XISTING VENDOR         1.0         20         1         5         -         C         6         1         20         0.8         NEW KIDSK RECEPT, (NEPP/SOC)           XISTING VENDOR         1.0         20         1         7         -         C         6         1         20         0.8         SPARE (KIOSK)           XISTING VENDOR         1.0         20         1         1         -         C         12         -         0.0         SPARE           XISTING VENDOR         1.0         20         1         14         -         -         0.0         SPARE           XISTING VENDOR         1.0         20         1         14         -         -         0.0         SPARE           XISTING VENDOR         0.0         -         13         A         -         14         -         -         0.0 <t< td=""><td>XIST ING VENDOR       10       20       1       1       A       -       2       1       20       0.8       NEW KUOSK RECEPT. (IT &amp; NCS)         XIST MG VENDOR       10       20       1       3       B       4       1       20       0.8       NEW KUOSK RECEPT. (INEPPISOC)         XIST MG VENDOR       10       20       1       5       -       C       6       1       20       0.8       NEW KUOSK RECEPT. (INEPPISOC)         XIST MG VENDOR       10       20       1       7       A       -       8       1       20       0.0       SPACE         XIST MG VENDOR       10       20       1       11       -       C       12       -       0.0       SPACE         XIST MG VENDOR       10       20       1       11       -       C       12       -       0.0       SPACE         PACE       0.0       -       -       15       -       16       -       0.0       SPACE         PACE       0.0       -       -       17       -       C       18       -       0.0       SPACE         PACE       0.0       -       0.0       X10%       0.0</td></t<> <td>XIST ING VENDOR       10       20       1       1       A       -       2       1       20       0.8       NEW KUOSK RECEPT. (IT &amp; NCS)         XIST MG VENDOR       10       20       1       3       B       4       1       20       0.8       NEW KUOSK RECEPT. (INEPPISOC)         XIST MG VENDOR       10       20       1       5       -       C       6       1       20       0.8       NEW KUOSK RECEPT. (INEPPISOC)         XIST MG VENDOR       10       20       1       7       A       -       8       1       20       0.0       SPACE         XIST MG VENDOR       10       20       1       11       -       C       12       -       0.0       SPACE         XIST MG VENDOR       10       20       1       11       -       C       12       -       0.0       SPACE         PACE       0.0       -       -       15       -       16       -       0.0       SPACE         PACE       0.0       -       -       17       -       C       18       -       0.0       SPACE         PACE       0.0       -       0.0       X10%       0.0<td>EXERT IN VEHOOR         10         20         1         1         -         2         1         20         0.0         <th0.0< th="">         0.0         <th0.0< th=""></th0.0<></th0.0<></td><td></td><td></td><td>CKTE</td><td>KRS</td><td>CKT.</td><td></td><td>CKT.</td><td>СКТ</td><td>BKRS</td><td></td><td></td><td></td><td></td><td></td></td>	XIST ING VENDOR       10       20       1       1       A       -       2       1       20       0.8       NEW KUOSK RECEPT. (IT & NCS)         XIST MG VENDOR       10       20       1       3       B       4       1       20       0.8       NEW KUOSK RECEPT. (INEPPISOC)         XIST MG VENDOR       10       20       1       5       -       C       6       1       20       0.8       NEW KUOSK RECEPT. (INEPPISOC)         XIST MG VENDOR       10       20       1       7       A       -       8       1       20       0.0       SPACE         XIST MG VENDOR       10       20       1       11       -       C       12       -       0.0       SPACE         XIST MG VENDOR       10       20       1       11       -       C       12       -       0.0       SPACE         PACE       0.0       -       -       15       -       16       -       0.0       SPACE         PACE       0.0       -       -       17       -       C       18       -       0.0       SPACE         PACE       0.0       -       0.0       X10%       0.0	XIST ING VENDOR       10       20       1       1       A       -       2       1       20       0.8       NEW KUOSK RECEPT. (IT & NCS)         XIST MG VENDOR       10       20       1       3       B       4       1       20       0.8       NEW KUOSK RECEPT. (INEPPISOC)         XIST MG VENDOR       10       20       1       5       -       C       6       1       20       0.8       NEW KUOSK RECEPT. (INEPPISOC)         XIST MG VENDOR       10       20       1       7       A       -       8       1       20       0.0       SPACE         XIST MG VENDOR       10       20       1       11       -       C       12       -       0.0       SPACE         XIST MG VENDOR       10       20       1       11       -       C       12       -       0.0       SPACE         PACE       0.0       -       -       15       -       16       -       0.0       SPACE         PACE       0.0       -       -       17       -       C       18       -       0.0       SPACE         PACE       0.0       -       0.0       X10%       0.0 <td>EXERT IN VEHOOR         10         20         1         1         -         2         1         20         0.0         <th0.0< th="">         0.0         <th0.0< th=""></th0.0<></th0.0<></td> <td></td> <td></td> <td>CKTE</td> <td>KRS</td> <td>CKT.</td> <td></td> <td>CKT.</td> <td>СКТ</td> <td>BKRS</td> <td></td> <td></td> <td></td> <td></td> <td></td>	EXERT IN VEHOOR         10         20         1         1         -         2         1         20         0.0 <th0.0< th="">         0.0         <th0.0< th=""></th0.0<></th0.0<>			CKTE	KRS	CKT.		CKT.	СКТ	BKRS					
EXIST ING VENDOR       10       20       1       3       - B       4       1       20       0.8       NEW KIOSK RECEPT, (MEPPSOC)         EXIST ING VENDOR       10       20       1       5       - C       6       1       20       0.8       NEW KIOSK RECEPT, (MEPPSOC)         EXIST ING VENDOR       10       20       1       7       A       C       6       1       20       0.0       SPARE (KIOSK)         EXIST ING VENDOR       10       20       1       1       - C       12       -       0.0       SPARE         EXIST ING VENDOR       10       20       1       11       - C       12       -       0.0       SPACE         EXIST ING VENDOR       10       20       1       11       - C       12       -       0.0       SPACE         EXIST ING VENDOR       10       20       1       17       - C       18       -       0.0       SPACE         EXIST ING VENDOR       10.0       20       1       17       - C       18       -       0.0       SPACE         ISPACE       0.0       -       17       - C       18       -       0.0       SPACE <td>XIST ING VENDOR         10         20         1         3         B         4         1         20         0.8         NEW KIOSK RECEPT. (NEPPROC) XIST ING VENDOR           XIST ING VENDOR         10         20         1         5         -         C         6         1         20         0.0         FUTURE AFC FARE GATE           XIST ING VENDOR         10         20         1         7         A         -         8         1         20         0.0         FUTURE AFC FARE GATE           XIST ING VENDOR         10         20         1         11         -         C         1         20         0.0         SPACE           XIST ING VENDOR         10         20         1         11         -         C         12         -         0.0         SPACE           PACE         0.0         -         13         A         -         14         -         0.0         SPACE           PACE         0.0         -         13         A         -         14         -         0.0         SPACE           PACE         0.0         -         13         A         -         14         -         0.0         SPACE</td> <td>XIST ING VENDOR         10         20         1         3         B         4         1         20         0.8         NEW KIOSK RECEPT. (NEPPROC) XIST ING VENDOR           XIST ING VENDOR         10         20         1         5         -         C         6         1         20         0.0         FUTURE AFC FARE GATE           XIST ING VENDOR         10         20         1         7         A         -         8         1         20         0.0         FUTURE AFC FARE GATE           XIST ING VENDOR         10         20         1         11         -         C         1         20         0.0         SPACE           XIST ING VENDOR         10         20         1         11         -         C         12         -         0.0         SPACE           PACE         0.0         -         13         A         -         14         -         0.0         SPACE           PACE         0.0         -         13         A         -         14         -         0.0         SPACE           PACE         0.0         -         13         A         -         14         -         0.0         SPACE</td> <td>EXERT NO VENDOR         10         20         1         3         0         4         1         20         0.0         NEW KIDSK RESEPT, INEPPROC           EXET NO VENDOR         10         20         1         5         - C         6         1         20         0.0         FUTURE ATC PARE DATE           EXET NO VENDOR         10         20         1         9         6         10         -         0.0         SPACE           EXET NO VENDOR         10         20         1         9         6         10         -         0.0         SPACE           EXET NO VENDOR         10         20         1         9         6         10         -         0.0         SPACE           SERT NO VENDOR         100         20         1         1         -         10.0         SPACE         -         0.0         SPACE           SPACE         0.0         -         17         -         0         16         -         0.0         SPACE           SPACE         0.0         -         0.0         10.0         SPACE         0.0         NA           SPACE         0.0         0.0         10.0         0.0         NA</td> <td>LOAD DESCRIPTION</td> <td>KVA</td> <td>AMP</td> <td>POLE</td> <td>NO.</td> <td></td> <td>NO.</td> <td>POLE</td> <td>AMP</td> <td>KVA</td> <td>LOAD DES</td> <td>CRIPTION</td> <td>1</td> <td></td>	XIST ING VENDOR         10         20         1         3         B         4         1         20         0.8         NEW KIOSK RECEPT. (NEPPROC) XIST ING VENDOR           XIST ING VENDOR         10         20         1         5         -         C         6         1         20         0.0         FUTURE AFC FARE GATE           XIST ING VENDOR         10         20         1         7         A         -         8         1         20         0.0         FUTURE AFC FARE GATE           XIST ING VENDOR         10         20         1         11         -         C         1         20         0.0         SPACE           XIST ING VENDOR         10         20         1         11         -         C         12         -         0.0         SPACE           PACE         0.0         -         13         A         -         14         -         0.0         SPACE           PACE         0.0         -         13         A         -         14         -         0.0         SPACE           PACE         0.0         -         13         A         -         14         -         0.0         SPACE	XIST ING VENDOR         10         20         1         3         B         4         1         20         0.8         NEW KIOSK RECEPT. (NEPPROC) XIST ING VENDOR           XIST ING VENDOR         10         20         1         5         -         C         6         1         20         0.0         FUTURE AFC FARE GATE           XIST ING VENDOR         10         20         1         7         A         -         8         1         20         0.0         FUTURE AFC FARE GATE           XIST ING VENDOR         10         20         1         11         -         C         1         20         0.0         SPACE           XIST ING VENDOR         10         20         1         11         -         C         12         -         0.0         SPACE           PACE         0.0         -         13         A         -         14         -         0.0         SPACE           PACE         0.0         -         13         A         -         14         -         0.0         SPACE           PACE         0.0         -         13         A         -         14         -         0.0         SPACE	EXERT NO VENDOR         10         20         1         3         0         4         1         20         0.0         NEW KIDSK RESEPT, INEPPROC           EXET NO VENDOR         10         20         1         5         - C         6         1         20         0.0         FUTURE ATC PARE DATE           EXET NO VENDOR         10         20         1         9         6         10         -         0.0         SPACE           EXET NO VENDOR         10         20         1         9         6         10         -         0.0         SPACE           EXET NO VENDOR         10         20         1         9         6         10         -         0.0         SPACE           SERT NO VENDOR         100         20         1         1         -         10.0         SPACE         -         0.0         SPACE           SPACE         0.0         -         17         -         0         16         -         0.0         SPACE           SPACE         0.0         -         0.0         10.0         SPACE         0.0         NA           SPACE         0.0         0.0         10.0         0.0         NA	LOAD DESCRIPTION	KVA	AMP	POLE	NO.		NO.	POLE	AMP	KVA	LOAD DES	CRIPTION	1	
EXIST ING VENDOR         1.0         20         1         5         -         C         6         1         20         0.0         FUTURE AFC FARE (ATE           EXIST ING VENDOR         1.0         20         1         7         A         -         8         1         20         0.0         FUTURE AFC FARE (ATE           EXIST ING VENDOR         1.0         20         1         7         A         -         8         1         20         0.0         SPACE           EXIST ING VENDOR         1.0         20         1         1         -         C         0.0         SPACE           EXIST ING VENDOR         1.0         20         1         1         -         C         1         -         0.0         SPACE           IPACE         0.0         -         -         13         A         -         14         -         -         0.0         SPACE           IPACE         0.0         -         -         17         -         C         18         -         0.0         SPACE           IPACE         0.0         -         -         17         -         C         18         -         0.0         SPACE <td>XIST ING VENDOR         1.0         20         1         5         -         C         6         1         20         0.0         FUTURE AFC FARE GATE           XIST ING VENDOR         1.0         20         1         9         -         8         1         20         0.0         FUTURE AFC FARE GATE           XIST ING VENDOR         1.0         20         1         9         -         8         1         20         0.0         SPACE           XIST ING VENDOR         1.0         20         1         1         -         C         0.0         SPACE           XIST ING VENDOR         1.0         20         1         1         -         C         0.0         SPACE           PACE         0.0         -         -         13         A         -         14         -         0.0         SPACE           PACE         0.0         -         17         -         C         18         -         0.0         SPACE           IGHT S         0.0 x 125%         0.0 kVA         6.8 kVA         ECEPTACLES, FIRST 10 kVA         6.8 kVA         SB kVA           IGC. APPLIANCES         0.0 x 125%         0.0 kVA         0.0 kVA         SB kVA</td> <td>XIST ING VENDOR         1.0         20         1         5         -         C         6         1         20         0.0         FUTURE AFC FARE GATE           XIST ING VENDOR         1.0         20         1         9         -         8         1         20         0.0         FUTURE AFC FARE GATE           XIST ING VENDOR         1.0         20         1         9         -         8         1         20         0.0         SPACE           XIST ING VENDOR         1.0         20         1         1         -         C         0.0         SPACE           XIST ING VENDOR         1.0         20         1         1         -         C         0.0         SPACE           PACE         0.0         -         -         13         A         -         14         -         0.0         SPACE           PACE         0.0         -         17         -         C         18         -         0.0         SPACE           IGHT S         0.0 x 125%         0.0 kVA         6.8 kVA         ECEPTACLES, FIRST 10 kVA         6.8 kVA         SB kVA           IGC. APPLIANCES         0.0 x 125%         0.0 kVA         0.0 kVA         SB kVA</td> <td>EXERTING VENDOR         10         20         1         5         -         C         6         1         20         00         FUTURE ARC FARE GATE           EXENTING VENDOR         10         20         1         7         A         8         1         1         20         0         FARE (ROSK)           EXENTING VENDOR         10         20         1         1         -         1         1         -         0.0         SPACE           EXENTING VENDOR         10         20         1         1         -         1         1         -         0.0         SPACE           SPACE         0.0         -         13         A         1         -         0.0         SPACE         0.0         SPACE           SPACE         0.0         -         17         -         C         18         -         0.0         SPACE           SPACE         0.0         -         17         -         C         18         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A</td> <td>EXIST ING VENDOR</td> <td>1.0</td> <td>20</td> <td>1</td> <td>1</td> <td>A</td> <td>2</td> <td>1</td> <td>20</td> <td>0.8</td> <td>NEW KIOSK RECE</td> <td>PT. (IT &amp; NCS)</td> <td></td> <td></td>	XIST ING VENDOR         1.0         20         1         5         -         C         6         1         20         0.0         FUTURE AFC FARE GATE           XIST ING VENDOR         1.0         20         1         9         -         8         1         20         0.0         FUTURE AFC FARE GATE           XIST ING VENDOR         1.0         20         1         9         -         8         1         20         0.0         SPACE           XIST ING VENDOR         1.0         20         1         1         -         C         0.0         SPACE           XIST ING VENDOR         1.0         20         1         1         -         C         0.0         SPACE           PACE         0.0         -         -         13         A         -         14         -         0.0         SPACE           PACE         0.0         -         17         -         C         18         -         0.0         SPACE           IGHT S         0.0 x 125%         0.0 kVA         6.8 kVA         ECEPTACLES, FIRST 10 kVA         6.8 kVA         SB kVA           IGC. APPLIANCES         0.0 x 125%         0.0 kVA         0.0 kVA         SB kVA	XIST ING VENDOR         1.0         20         1         5         -         C         6         1         20         0.0         FUTURE AFC FARE GATE           XIST ING VENDOR         1.0         20         1         9         -         8         1         20         0.0         FUTURE AFC FARE GATE           XIST ING VENDOR         1.0         20         1         9         -         8         1         20         0.0         SPACE           XIST ING VENDOR         1.0         20         1         1         -         C         0.0         SPACE           XIST ING VENDOR         1.0         20         1         1         -         C         0.0         SPACE           PACE         0.0         -         -         13         A         -         14         -         0.0         SPACE           PACE         0.0         -         17         -         C         18         -         0.0         SPACE           IGHT S         0.0 x 125%         0.0 kVA         6.8 kVA         ECEPTACLES, FIRST 10 kVA         6.8 kVA         SB kVA           IGC. APPLIANCES         0.0 x 125%         0.0 kVA         0.0 kVA         SB kVA	EXERTING VENDOR         10         20         1         5         -         C         6         1         20         00         FUTURE ARC FARE GATE           EXENTING VENDOR         10         20         1         7         A         8         1         1         20         0         FARE (ROSK)           EXENTING VENDOR         10         20         1         1         -         1         1         -         0.0         SPACE           EXENTING VENDOR         10         20         1         1         -         1         1         -         0.0         SPACE           SPACE         0.0         -         13         A         1         -         0.0         SPACE         0.0         SPACE           SPACE         0.0         -         17         -         C         18         -         0.0         SPACE           SPACE         0.0         -         17         -         C         18         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A	EXIST ING VENDOR	1.0	20	1	1	A	2	1	20	0.8	NEW KIOSK RECE	PT. (IT & NCS)		
Distribution         1.0         20         1         7         A         -         8         1         20         0.0         SPARE (KIOSK)           DXISTING VENDOR         1.0         20         1         9         -         8         1         20         0.0         SPARE (KIOSK)           DXISTING VENDOR         1.0         20         1         11         -         C         10         SPACE           DXISTING VENDOR         1.0         20         1         11         -         C         12         -         0.0         SPACE           DIA         -         13         A         -         14         -         0.0         SPACE           SPACE         0.0         -         -         17         -         C         18         -         0.0         SPACE           SPACE         0.0         -         17         -         C         18         -         0.0         SPACE           SPACE         0.0         -         17         -         C         18         -         0.0         SPACE           SPACE         0.0         -         17         -         C         18	XIST ING VENDOR         1.0         20         1         7         A         -         8         1         20         0.0         SPARE (NOSK)           XIST ING VENDOR         1.0         20         1         9         -         0.1         20         0.0         SPARE (NOSK)           XIST ING VENDOR         1.0         20         1         11         -         C         12         -         0.0         SPACE           XIST ING VENDOR         1.0         20         1         11         -         C         12         -         0.0         SPACE           PACE         0.0         -         13         -         14         -         0.0         SPACE           PACE         0.0         -         -         17         -         C         18         -         0.0         SPACE           PACE         0.0         -         -         17         -         C         18         -         0.0         SPACE           PACE         0.0         -         17         -         C         18         -         0.0         SPACE           IGHTS         0.0         125%         0.0         KVA	XIST ING VENDOR         1.0         20         1         7         A         -         8         1         20         0.0         SPARE (NOSK)           XIST ING VENDOR         1.0         20         1         9         -         0.1         20         0.0         SPARE (NOSK)           XIST ING VENDOR         1.0         20         1         11         -         C         12         -         0.0         SPACE           XIST ING VENDOR         1.0         20         1         11         -         C         12         -         0.0         SPACE           PACE         0.0         -         13         -         14         -         0.0         SPACE           PACE         0.0         -         -         17         -         C         18         -         0.0         SPACE           PACE         0.0         -         -         17         -         C         18         -         0.0         SPACE           PACE         0.0         -         17         -         C         18         -         0.0         SPACE           IGHTS         0.0         125%         0.0         KVA	EXET THE VENDOR         10         20         1         2         4         4         1         20         0.0         SPACE FUNCTION           EXESTING VENDOR         10         10         20         1         9         8         10         -         0.0         SPACE FUNCTION         SPACE FUNCTION F	EXIST ING VENDOR	1.0	20	1	3	- B -	4	1	20	0.8	NEW KIOSK RECE	PT. (NEPP/SOC)	)	
EXISTING VENDOR         1.0         20         1         9         - B         10         -         0.0         SPACE           SIRACE         0.0         -         -         11         1         -         C         10         SPACE           SIRACE         0.0         -         -         13         A         -         14         -         0.0         SPACE           SIRACE         0.0         -         -         15         B         16         -         0.0         SPACE           SPACE         0.0         -         -         17         -         C         18         -         0.0         SPACE           SPACE         0.0         -         -         17         -         C         18         -         0.0         SPACE           SPACE         0.0         -         -         17         -         C         18         -         0.0         SPACE           SPACE         0.0         -         -         17         -         C         0.0         SPACE           SPACE         0.0         ×         125%         0.0         SVA         SPACE         SPACE         <	XIST ING VENDOR         10         20         1         9         -         B         10         -         0.0         SPACE           VIST ING VENDOR         10         20         1         11         -         C         12         -         0.0         SPACE           PACE         0.0         -         -         13         A         -         14         -         0.0         SPACE           PACE         0.0         -         -         17         -         C         18         -         0.0         SPACE           PACE         0.0         -         -         17         -         C         18         -         0.0         SPACE           PACE         0.0         -         -         17         -         C         18         -         0.0         SPACE           PACE         0.0         -         0.0         X125%         0.0         KVA           ECEPT ACLES         0.0         x100%         0.0         KVA           ISC. APPLIANCES         0.0         x100%         0.0         KVA           ARGEST MOTOR         0.0         x105%         0.0         KVA	XIST ING VENDOR         10         20         1         9         -         B         10         -         0.0         SPACE           VIST ING VENDOR         10         20         1         11         -         C         12         -         0.0         SPACE           PACE         0.0         -         -         13         A         -         14         -         0.0         SPACE           PACE         0.0         -         -         17         -         C         18         -         0.0         SPACE           PACE         0.0         -         -         17         -         C         18         -         0.0         SPACE           PACE         0.0         -         -         17         -         C         18         -         0.0         SPACE           PACE         0.0         -         0.0         X125%         0.0         KVA           ECEPT ACLES         0.0         x100%         0.0         KVA           ISC. APPLIANCES         0.0         x100%         0.0         KVA           ARGEST MOTOR         0.0         x105%         0.0         KVA	EXESTING VENDOR         10         20         1         0         1         1         0         0         1         0         0         1         0         0         1         0         0         1         0         0         1         0         0         1         0         0         1         0         0         1         0         0         1 <th1< th="">         1         1</th1<>	EXIST ING VENDOR	1.0	20	1	5	C	6	1	20	0.0	FUTURE AFC FAR	EGATE		
Display         10         20         1         11         -         C         12         -         0.0         SPACE           SPACE         0.0         -         -         13         A         -         14         -         0.0         SPACE           SPACE         0.0         -         -         13         A         -         14         -         0.0         SPACE           SPACE         0.0         -         -         15         B         16         -         0.0         SPACE           SPACE         0.0         -         -         17         -         C         18         -         0.0         SPACE           SPACE         0.0         -         -         17         -         C         18         -         0.0         SPACE	XISTING VENDOR         10         20         1         1         -         C         12         -         0.0         SPACE           PACE         0.0         -         13         A         -         14         -         0.0         SPACE           PACE         0.0         -         15         -         16         -         0.0         SPACE           PACE         0.0         -         17         -         C         18         -         0.0         SPACE           PACE         0.0         -         17         -         C         18         -         0.0         SPACE           PACE         0.0         -         17         -         C         18         -         0.0         SPACE           PACE         0.0         -         17         -         C         18         -         0.0         SPACE           PACE         0.0         -         0.0         125%         0.0         KVA           ECEPT ACLES         0.0         x125%         0.0         KVA           ISC. APLUANCES         0.0         x125%         0.0         KVA           ISC. APLUANCES	XISTING VENDOR         10         20         1         1         -         C         12         -         0.0         SPACE           PACE         0.0         -         13         A         -         14         -         0.0         SPACE           PACE         0.0         -         15         -         16         -         0.0         SPACE           PACE         0.0         -         17         -         C         18         -         0.0         SPACE           PACE         0.0         -         17         -         C         18         -         0.0         SPACE           PACE         0.0         -         17         -         C         18         -         0.0         SPACE           PACE         0.0         -         17         -         C         18         -         0.0         SPACE           PACE         0.0         -         0.0         125%         0.0         KVA           ECEPT ACLES         0.0         x125%         0.0         KVA           ISC. APLUANCES         0.0         x125%         0.0         KVA           ISC. APLUANCES	EXETTING VENDOR         10         20         1         11         -         C         12         -         0.0         SPACE           SPACE         0.0         -         115         A         14         -         0.0         SPACE           SPACE         0.0         -         117         -         C         18         -         0.0         SPACE           SPACE         0.0         -         117         -         C         18         -         0.0         SPACE           SPACE         0.0         -         117         -         C         18         -         0.0         SPACE           SPACE         0.0         -         117         -         C         18         -         0.0         SPACE           SPACE         0.0         -         117         -         C         18         -         0.0         SPACE           SPACE         0.0         -         0.0         125%         0.0         NA           SPACE         0.0         125%         0.0         NA         0.0         NA           AGEST MOTOR         0.0         125%         0.0         NA	EXIST ING VENDOR	1.0	20	1	7	Α	8	1	20	0.0	SPARE (KIOSK)		_	
SPACE         0.0         -         13         A         -         14         -         0.0         SPACE           SPACE         0.0         -         15         -         8         16         -         0.0         SPACE           SPACE         0.0         -         17         -         C         18         -         0.0         SPACE           SPACE         0.0         -         17         -         C         18         -         0.0         SPACE           SPACE         0.0         -         17         -         C         18         -         0.0         SPACE           JGHT S         0.0         x125%         0.0         KVA         6.8         KVA           RECEPT ACLES         0.0         x125%         0.0         KVA         ARGEST MOTOR         0.0         KVA           ARGEST MOTOR         0.0         x125%         0.0         KVA         KA           GOT X 100%         0.0         KVA         KVA         KA         KA           C         0.0         x125%         0.0         KVA         KA           GOTAL CONNECTED LOAD         6.3         KVA         T	PACE         0.0         -         13         A         14         -         0.0         SPACE           PACE         0.0         -         15         B         16         -         0.0         SPACE           PACE         0.0         -         17         -         C         18         -         0.0         SPACE           PACE         0.0         -         17         -         C         18         -         0.0         SPACE           PACE         0.0         -         17         -         C         18         -         0.0         SPACE           PACE         0.0         -         17         -         C         18         -         0.0         SPACE           PACE         0.0         -         17         -         C         18         -         0.0         SPACE           PACE         0.0         × 125%         0.0         KVA         ECEPTACLES         0.0         × 100%         0.0         KVA           ISC. APPLIANCES         0.0         x 100%         0.0         KVA         ECEPTACLES         0.0         KVA           ISC. APPLANCES         0.0         x	PACE         0.0         -         13         A         14         -         0.0         SPACE           PACE         0.0         -         15         B         16         -         0.0         SPACE           PACE         0.0         -         17         -         C         18         -         0.0         SPACE           PACE         0.0         -         17         -         C         18         -         0.0         SPACE           PACE         0.0         -         17         -         C         18         -         0.0         SPACE           PACE         0.0         -         17         -         C         18         -         0.0         SPACE           PACE         0.0         -         17         -         C         18         -         0.0         SPACE           PACE         0.0         × 125%         0.0         KVA         ECEPTACLES         0.0         × 100%         0.0         KVA           ISC. APPLIANCES         0.0         x 100%         0.0         KVA         ECEPTACLES         0.0         KVA           ISC. APPLANCES         0.0         x	BRACE         0.0         -         113         A         14         -         0.0         BRACE           SPACE         0.0         -         15         -         0.0         SPACE         0.0         SPACE           SPACE         0.0         -         17         -         0         SPACE         0.0         SPACE           SPACE         0.0         -         17         -         0         SPACE         0.0         SPACE           SPACE         0.0         -         17         -         0         18         -         0.0         SPACE           SPACE         0.0         -         17         -         0         18         -         0.0         SPACE           SPACE         0.0         -         17         -         0.0         SPACE         0.0         SPACE           SPACE         0.0         -         0.0         SPACE         0.0         SPACE         0.0         SPACE           LIGHT         -         0.0         SPACE         0.0         KVA         0.0         KVA           MICLES PRST 10 KVA         -         0.0         XVA         0.0         KVA <t< td=""><td>EXISTING VENDOR</td><td>1.0</td><td>20</td><td>1</td><td>9</td><td>- B -</td><td>10</td><td>•</td><td>-</td><td>0.0</td><td>SPACE</td><td></td><td>1</td><td></td></t<>	EXISTING VENDOR	1.0	20	1	9	- B -	10	•	-	0.0	SPACE		1	
SPACE         0.0         -         15         -         16         -         -         0.0         SPACE           SPACE         0.0         -         17         -         C         18         -         0.0         SPACE           SPACE         0.0         -         17         -         C         18         -         0.0         SPACE           SPACE         0.0         -         17         -         C         18         -         0.0         SPACE           IGHTS         0.0         x125%         0.0         KVA         6.8         KVA           RECEPTACLES         0.0         x50%         0.0         KVA         A         A           ARGEST MOTOR         0.0         x125%         0.0         KVA         A         A           AGOTSS         0.0         x125%         0.0         KVA         A         A         A           C         0.0         x125%         0.0         KVA         A         A         A           CONNECTED LOAD         6.8         KVA         TOTAL DEMAND AMPS         18.9         AMPS           CONNECTED LOAD PHASE SUMMARY         2.8         KVA	PACE         0.0         -         15         B         16         -         0.0         SPACE           PACE         0.0         -         17         -         C         18         -         0.0         SPACE           PACE         0.0         -         17         -         C         18         -         0.0         SPACE           PACE         0.0         -         177         -         C         18         -         0.0         SPACE           IGHTS         0.0         -         177         -         C         18         -         0.0         SPACE           IGHTS         0.0         x125%         0.0         KVA         6.8         KVA           ECEPTACLES, FIRST 10 KVA         6.8         x100%         0.0         KVA         ECEPTACLES         0.0         KVA           ISC. APPLIANCES         0.0         x100%         0.0         KVA         ECEPTACLES         0.0         KVA           IOTORS         0.0         x100%         0.0         KVA         EAT         0.0         x125%         0.0         KVA           C         0.0         x100%         0.0         KVA	PACE         0.0         -         15         B         16         -         0.0         SPACE           PACE         0.0         -         17         -         C         18         -         0.0         SPACE           PACE         0.0         -         17         -         C         18         -         0.0         SPACE           PACE         0.0         -         177         -         C         18         -         0.0         SPACE           IGHTS         0.0         -         177         -         C         18         -         0.0         SPACE           IGHTS         0.0         x125%         0.0         KVA         6.8         KVA           ECEPTACLES, FIRST 10 KVA         6.8         x100%         0.0         KVA         ECEPTACLES         0.0         KVA           ISC. APPLIANCES         0.0         x100%         0.0         KVA         ECEPTACLES         0.0         KVA           IOTORS         0.0         x100%         0.0         KVA         EAT         0.0         x125%         0.0         KVA           C         0.0         x100%         0.0         KVA	BPACE         0.0         -         18         16         -         0.0         SPACE           BPACE         0.0         -         17         -         C         18         -         0.0         SPACE           BPACE         0.0         -         17         -         C         18         -         0.0         SPACE           BPACE         0.0         -         17         -         C         18         -         0.0         SPACE           BPACE         0.0         -         17         -         C         18         -         0.0         SPACE           LIGHTS         0.0         -         17         -         C         18         -         0.0         SPACE           LIGHTS         0.0         X100%         0.0         KMA         -         0.0         KMA           RECEPTACLES         D0 x100%         0.0         KMA         -         0.0         KMA           ARGEST MOTOR         0.0         X125%         0.0         KMA         0.0         KMA           ACC HALTING         0.0         X125%         0.0         KMA         8.8         KMA           SO		1.0	20	1	11	Ċ	12	•	-	0.0	SPACE			
SPACE         0.0         -         17         -         C         18         -         0.0         SPACE           LOAD SUMMARY           IGHTS         0.0 × 125%         0.0 KVA           RECEPTACLES, FIRST 10 KVA         6.8 × 100%         6.8 KVA           RECEPTACLES         0.0 × 50%         0.0 KVA           ISC. APPLIANCES         0.0 × 125%         0.0 KVA           ARGEST MOTOR         0.0 × 125%         0.0 KVA           ARGEST MOTOR         0.0 × 125%         0.0 KVA           AOTORS         0.0 × 125%         0.0 KVA           AGTORS         0.0 × 125%         0.0 KVA           C         0.0 × 125%         0.0 KVA           C         0.0 × 125%         0.0 KVA           VATER HEATING         0.0 × 125%         0.0 KVA           YATER HEATING         0.0 × 125%         0.0 KVA           YOTAL CONNECTED LOAD         6.8 KVA         TOTAL DEMAND AMPS           YHASE A:         2.8 KVA         18.9 AMPS           YHASE B:         2.8 KVA         HASE C:         2.0 KVA	PACE         0.0         -         17         -         0.0         SPACE           LOAD SUMMARY           IGHTS         0.0 × 125%         0.0 KVA           COL 0.0 × 125%         0.0 KVA           ECEPTACLES, FIRST 10 KVA         6.8 × 100%         6.8 KVA           ECEPTACLES         0.0 × 50%         0.0 KVA           COL 0.0 × 125%         0.0 KVA           REGEST MOTOR         O.0 × 125%         O.0 KVA           IOT 0.0 × 125%         O.0 KVA           IOT × 125%         O.0 KVA           OT × 125%         O.0 KVA           OT × 125%         O.0 KVA           OT × 100%         O.0 KVA           OT × 125%         O.0 KVA           OT × 125%         O.0 KVA           OT × 125%         O.0 KVA           OT × 126%         O.0 KVA	PACE         0.0         -         17         -         0.0         SPACE           LOAD SUMMARY           IGHTS         0.0 × 125%         0.0 KVA           COL 0.0 × 125%         0.0 KVA           ECEPTACLES, FIRST 10 KVA         6.8 × 100%         6.8 KVA           ECEPTACLES         0.0 × 50%         0.0 KVA           COL 0.0 × 125%         0.0 KVA           REGEST MOTOR         O.0 × 125%         O.0 KVA           IOT 0.0 × 125%         O.0 KVA           IOT × 125%         O.0 KVA           OT × 125%         O.0 KVA           OT × 125%         O.0 KVA           OT × 100%         O.0 KVA           OT × 125%         O.0 KVA           OT × 125%         O.0 KVA           OT × 125%         O.0 KVA           OT × 126%         O.0 KVA	BPACE         0.0         -         17         -         0.0         BPACE           LOAD SUMMARY           LIGHTS           LOAD SUMMARY           LIGHTS           LOAD SUMMARY           LIGHTS           LOAD SUMMARY           LIGHTS           LOAD SUMMARY           Microsoft Colspan="2">Colspan="2"           LICAD SUMMARY           Microsoft Colspan="2">Colspan="2"           LIGHT Colspan="2"           Colspan="2"           Colspan="2"           Colspan="2"           Colspan= 2"           Colspan= 2"           LIGHT Colspan="2"           Colspan= 2" <tr< td=""><td></td><td></td><td>•</td><td>•</td><td></td><td></td><td>14</td><td>-</td><td>-</td><td>0.0</td><td>SPACE</td><td></td><td></td><td></td></tr<>			•	•			14	-	-	0.0	SPACE			
LOAD SUMMARY           JGHTS         0.0 × 125%         0.0 KVA           RECEPTACLES, FIRST 10 KVA         6.8 × 100%         6.8 KVA           RECEPTACLES         0.0 × 125%         0.0 KVA           ARGEST MOTOR         0.0 × 125%         0.0 KVA           ARGEST MOTOR         0.0 × 125%         0.0 KVA           ARGEST MOTOR         0.0 × 125%         0.0 KVA           AGUTORS         0.0 × 100%         0.0 KVA           C         0.0 × 125%         0.0 KVA           C         0.0 × 125%         0.0 KVA           VATER HEATING         0.0 × 125%         0.0 KVA           C         0.0 × 125%         0.0 KVA           YATER HEATING         0.0 × 125%         0.0 KVA           YATER HEATING         0.0 × 125%         0.0 KVA           YOTAL CONNECTED LOAD         6.8 KVA         TOTAL DEMAND AMPS           YHASE A:         2.8 KVA         TOTAL DEMAND AMPS           YHASE B:         2.8 KVA         YA           YHASE B:         2.8 KVA         YA	LOAD SUMMARY           IGHTS         0.0 x 125%         0.0 KVA           ECEPT ACLES, FIRST 10 KVA         6.8 x 100%         6.8 KVA           ECEPT ACLES         0.0 x 10%         0.0 KVA           IISC. APPLIANCES         0.0 x 100%         0.0 KVA           ARGEST MOTOR         0.0 x 125%         0.0 KVA           IOTORS         0.0 x 100%         0.0 KVA           ARGEST MOTOR         0.0 x 125%         0.0 KVA           IOTORS         0.0 x 125%         0.0 KVA           C         0.0 x 125%         0.0 KVA           OTAL CONNECTED LOAD         6.8 KVA         TOTAL DEMAND KVA           ATER HEATING         0.0 x 125%         0.0 KVA           ONNECTED LOAD         6.8 KVA         TOTAL DEMAND AMPS           NOTES:         A THE EDESTING PRANET         2.8 KVA           HASE A:         2.8 KVA         2.8 KVA           HASE B:         2.8 KVA         EDESTING PAREL           MOTES:         A THE EDESTING PRANET, ALSO REPLACE DESTING SAM MCD/GEP AND EDESTING PEDER MINUMENT PEDER MEDESTING PROMET, ALSO REPLACE DESTING SAM CARCHEST AND	LOAD SUMMARY           IGHTS         0.0 x 125%         0.0 KVA           ECEPT ACLES, FIRST 10 KVA         6.8 x 100%         6.8 KVA           ECEPT ACLES         0.0 x 10%         0.0 KVA           IISC. APPLIANCES         0.0 x 100%         0.0 KVA           ARGEST MOTOR         0.0 x 125%         0.0 KVA           IOTORS         0.0 x 100%         0.0 KVA           ARGEST MOTOR         0.0 x 125%         0.0 KVA           IOTORS         0.0 x 125%         0.0 KVA           C         0.0 x 125%         0.0 KVA           OTAL CONNECTED LOAD         6.8 KVA         TOTAL DEMAND KVA           ATER HEATING         0.0 x 125%         0.0 KVA           ONNECTED LOAD         6.8 KVA         TOTAL DEMAND AMPS           NOTES:         A THE EDESTING PRANET         2.8 KVA           HASE A:         2.8 KVA         2.8 KVA           HASE B:         2.8 KVA         EDESTING PAREL           MOTES:         A THE EDESTING PRANET, ALSO REPLACE DESTING SAM MCD/GEP AND EDESTING PEDER MINUMENT PEDER MEDESTING PROMET, ALSO REPLACE DESTING SAM CARCHEST AND	Light S         0.0         1.0         1.0         1.0         1.0         1.0         1.0         1.0         1.0         1.0         1.0         1.0         1.0         1.0         1.0         1.0 <th1.0< th="">         1.0         <th1.0< th=""> <th1.0< t<="" td=""><td></td><td></td><td>-</td><td>-</td><td></td><td>- B -</td><td>16</td><td>-</td><td>-</td><td>0.0</td><td>SPACE</td><td></td><td></td><td></td></th1.0<></th1.0<></th1.0<>			-	-		- B -	16	-	-	0.0	SPACE			
IGHT S       0.0 x 125%       0.0 KVA         RECEPT ACLES, FIRST 10 KVA       6.8 x 100%       6.8 KVA         RECEPT ACLES       0.0 x 50%       0.0 KVA         AISC. APPLIANCES       0.0 x 100%       0.0 KVA         ARGEST MOTOR       0.0 x 125%       0.0 KVA         AOTORS       0.0 x 125%       0.0 KVA         AOTORS       0.0 x 125%       0.0 KVA         C       0.0 x 125%       0.0 KVA         VATER HEATING       0.0 x 125%       0.0 KVA         YOTAL CONNECTED LOAD       6.8 KVA       TOTAL DEMAND KVA         CONNECTED LOAD PHASE SUMMARY       2.8 KVA         PHASE A:       2.8 KVA         YHASE C:       2.0 KVA	IGHTS         0.0 x 125%         0.0 kVA           ECEPT ACLES, FIRST 10 kVA         6.8 x 100%         6.8 kVA           ECEPT ACLES         0.0 x 50%         0.0 kVA           ECEPT ACLES         0.0 x 50%         0.0 kVA           ECEPT ACLES         0.0 x 100%         0.0 kVA           ISC. APPLIANCES         0.0 x 100%         0.0 kVA           ARGEST MOTOR         0.0 x 125%         0.0 kVA           IOTORS         0.0 x 100%         0.0 kVA           EAT         0.0 x 125%         0.0 kVA           C         0.0 x 100%         0.0 kVA           C         0.0 x 125%         0.0 kVA           OTAL CONNECTED LOAD         6.8 kVA         TOTAL DEMAND KVA           ATER HEATING         0.0 x 125%         0.0 kVA           OTAL CONNECTED LOAD         6.8 kVA         TOTAL DEMAND AMPS           MASE A:         2.8 kVA         2.8 kVA           HASE C:         2.0 kVA         2.0 kVA           MOTES: A. THE EDSTING CRETH FORM 120/200W, 34, 4W	IGHTS         0.0 x 125%         0.0 kVA           ECEPT ACLES, FIRST 10 kVA         6.8 x 100%         6.8 kVA           ECEPT ACLES         0.0 x 50%         0.0 kVA           ECEPT ACLES         0.0 x 50%         0.0 kVA           ECEPT ACLES         0.0 x 100%         0.0 kVA           ISC. APPLIANCES         0.0 x 100%         0.0 kVA           ARGEST MOTOR         0.0 x 125%         0.0 kVA           IOTORS         0.0 x 100%         0.0 kVA           EAT         0.0 x 125%         0.0 kVA           C         0.0 x 100%         0.0 kVA           C         0.0 x 125%         0.0 kVA           OTAL CONNECTED LOAD         6.8 kVA         TOTAL DEMAND KVA           ATER HEATING         0.0 x 125%         0.0 kVA           OTAL CONNECTED LOAD         6.8 kVA         TOTAL DEMAND AMPS           MASE A:         2.8 kVA         2.8 kVA           HASE C:         2.0 kVA         2.0 kVA           MOTES: A. THE EDSTING CRETH FORM 120/200W, 34, 4W	LIGHTS         0.0 x 125%         0.0 kVA           RECEPTACLES, FIRST 10 kVA         6.8 x 100%         6.8 kVA           RECEPTACLES, FIRST 10 kVA         6.8 x 100%         0.0 kVA           MBC.APPLIARCES         0.0 x 100%         0.0 kVA           MATCH         0.0 x 125%         0.0 kVA           MOTORS         0.0 x 125%         0.0 kVA           MOTORS         0.0 x 125%         0.0 kVA           AC         0.0 x 125%         0.0 kVA           AC         0.0 x 125%         0.0 kVA           AC         0.0 x 125%         0.0 kVA           MATER HEATING         0.0 x 125%         0.0 kVA           TOTAL CONNECTED LOAD         6.8 kVA         TOTAL DEMAND KVA           MATER HEATING         0.0 x 125%         0.0 kVA           TOTAL CONNECTED LOAD FLASE SUMMARY         PHASE 1         2.8 kVA           PHASE 1:         2.8 kVA         2.8 kVA           PHASE 2:         2.8 kVA         2.9 kVA           Schward Report 1.400 construct extra 100 construct extra	SPACE	0.0	-	•	17	C	18	-	٠	0.0	SPACE			
RECEPTACLES         0.0 x 50%         0.0 KVA           AISC. APPLIANCES         0.0 x 100%         0.0 KVA           ARGEST MOTOR         0.0 x 125%         0.0 KVA           AOTORS         0.0 x 100%         0.0 KVA           HEAT         0.0 x 125%         0.0 KVA           IC         0.0 x 100%         0.0 KVA           IC         0.0 x 100%         0.0 KVA           VATER HEAT ING         0.0 x 125%         0.0 KVA           IC         0.0 x 100%         0.0 KVA           VATER HEATING         0.0 x 125%         0.0 KVA           IC         0.0 x 125%         0.0 KVA           IOTAL CONNECTED LOAD         6.8 KVA         TOTAL DEMAND KVA           IOTAL DEMAND AMPS         18.9 AMPS           INSCONNECTED LOAD PHASE SUMMARY         TOTAL DEMAND AMPS           IMASE A:         2.8 KVA           IMASE A:         2.8 KVA           IMASE C:         2.0 KVA	ECEPTACLES         0.0 x50%         0.0 KVA           IISC. APPLIANCES         0.0 x100%         0.0 KVA           ARGEST MOTOR         0.0 x125%         0.0 KVA           IOTORS         0.0 x125%         0.0 KVA           IOTORS         0.0 x125%         0.0 KVA           C         0.0 x125%         0.0 KVA           OTAL CONNECTED LOAD         6.8 KVA         TOTAL DEMAND KVA           ATER HEATING         0.0 x125%         0.0 KVA           OTAL CONNECTED LOAD         6.8 KVA         TOTAL DEMAND AMPS           NOTES:         A THE EXISTING PANEL "T1" IS FED FROM 120/200W, 3e, 4W EXISTING PANEL "T" LOCATED IN ELECTRICAL ROOM E208, CRCUT #38-30/3P W/NEW 50/3P AND EXISTING PANEL ROOM E208, CRCUT #38-30/3P W/NEW 50/3P AND EXISTING PANEL ROOM E208, CRCUT #38-30/3P W/NEW 50/3P AND EXISTING REDER 3/10 W/NEW FEDER 3/10 W/NEW FEDED	ECEPTACLES         0.0 x50%         0.0 KVA           IISC. APPLIANCES         0.0 x100%         0.0 KVA           ARGEST MOTOR         0.0 x125%         0.0 KVA           IOTORS         0.0 x125%         0.0 KVA           IOTORS         0.0 x125%         0.0 KVA           C         0.0 x125%         0.0 KVA           OTAL CONNECTED LOAD         6.8 KVA         TOTAL DEMAND KVA           ATER HEATING         0.0 x125%         0.0 KVA           OTAL CONNECTED LOAD         6.8 KVA         TOTAL DEMAND AMPS           NOTES:         A THE EXISTING PANEL "T1" IS FED FROM 120/200W, 3e, 4W EXISTING PANEL "T" LOCATED IN ELECTRICAL ROOM E208, CRCUT #38-30/3P W/NEW 50/3P AND EXISTING PANEL ROOM E208, CRCUT #38-30/3P W/NEW 50/3P AND EXISTING PANEL ROOM E208, CRCUT #38-30/3P W/NEW 50/3P AND EXISTING REDER 3/10 W/NEW FEDER 3/10 W/NEW FEDED	NECEPTACLES       00 x50%       00 KVA         MSC. APPLIANCES       00 x10%       00 KVA         ARGEST MOTOR       00 x125%       00 KVA         MOTORS       00 x125%       00 KVA         MECEPTACLES       00 x125%       00 KVA         MOTORS       00 x125%       00 KVA         C       00 x125%       00 KVA         CONNECTED LOAD PHASE SUMMARY       TOTAL DEMAND AMPS       183 AMPS         MASE B:       2.8 KVA       10 KVA         MASE B:       2.8 KVA       2.9 KVA         MOTES:       A THE EDSTING PAREL TI'' BY MEN SO/2P MY MEN SO/3P MY ME				x 125%	6	001				0.0	0 KVA		-	
RECEPTACLES, FIRST 10 KVA       6.8 x 100%       6.8 KVA         RECEPTACLES       0.0 x 50%       0.0 kVA         AISC. APPLIANCES       0.0 x 100%       0.0 kVA         ARGEST MOTOR       0.0 x 125%       0.0 kVA         AOTORS       0.0 x 100%       0.0 kVA         KEAT       0.0 x 100%       0.0 kVA         AC       0.0 x 125%       0.0 kVA         AC       0.0 x 125%       0.0 kVA         AC       0.0 x 125%       0.0 kVA         AT OTAL DEMAND KVA       6.8 kVA         TOTAL DEMAND AMPS       18.9 AMPS         CONNECTED LOAD PHASE SUMMARY       2.8 kVA         PHASE B:       2.8 kVA         PHASE C:       2.0 kVA	ECEPTACLES, FIRST 10 KVA         6.8         KVA           ECEPTACLES         0.0         x50%         0.0           ECEPTACLES         0.0         x50%         0.0           IISC. APPLIANCES         0.0         x100%         0.0           ARGEST MOTOR         0.0         x125%         0.0         KVA           IOTORS         0.0         x125%         0.0         KVA           IOTORS         0.0         x125%         0.0         KVA           C         0.0         x125%         0.0         KVA           OTAL CONNECTED LOAD         6.8         KVA         KVA         KVA           MASE A:         2.8         KVA         TOTAL DEMAND AMPS         18.9         AMPS           ONNECTED LOAD PHASE SUMMARY         HASE B:         2.8         KVA         EXECTIVA         EXECTIVA           MASE C:         2.0         KVA         EXECTIVA <td>ECEPTACLES, FIRST 10 KVA         6.8         KVA           ECEPTACLES         0.0         x50%         0.0           ECEPTACLES         0.0         x50%         0.0           IISC. APPLIANCES         0.0         x100%         0.0           ARGEST MOTOR         0.0         x125%         0.0         KVA           IOTORS         0.0         x125%         0.0         KVA           IOTORS         0.0         x125%         0.0         KVA           C         0.0         x125%         0.0         KVA           OTAL CONNECTED LOAD         6.8         KVA         KVA         KVA           MASE A:         2.8         KVA         TOTAL DEMAND AMPS         18.9         AMPS           ONNECTED LOAD PHASE SUMMARY         HASE B:         2.8         KVA         EXECTIVA         EXECTIVA           MASE C:         2.0         KVA         EXECTIVA<td>RECEPTACLES, FIRST 10 KVA         68 x 100%         68 kVA           RECEPTACLES         07 x 50%         0.0 kVA           VISC, APPLIANCES         00 x 100%         0.0 kVA           ARGEST MOTOR         00 x 125%         0.0 kVA           VARGEST         0.0 x 125%         0.0 kVA           VARGEST         0.0 x 125%         0.0 kVA           VAC         5.8 kVA         10 x 125%           CONNECTED LOAD         5.8 kVA         10 x 125%           SCONNECTED LOAD PHASE SUMMARY         2.8 kVA           VASE C:         2.0 kVA<td></td><td></td><td></td><td>LC</td><td>)AD</td><td>SUN</td><td>IMA</td><td>RY</td><td></td><td></td><td></td><td></td><td></td><td></td></td></td>	ECEPTACLES, FIRST 10 KVA         6.8         KVA           ECEPTACLES         0.0         x50%         0.0           ECEPTACLES         0.0         x50%         0.0           IISC. APPLIANCES         0.0         x100%         0.0           ARGEST MOTOR         0.0         x125%         0.0         KVA           IOTORS         0.0         x125%         0.0         KVA           IOTORS         0.0         x125%         0.0         KVA           C         0.0         x125%         0.0         KVA           OTAL CONNECTED LOAD         6.8         KVA         KVA         KVA           MASE A:         2.8         KVA         TOTAL DEMAND AMPS         18.9         AMPS           ONNECTED LOAD PHASE SUMMARY         HASE B:         2.8         KVA         EXECTIVA         EXECTIVA           MASE C:         2.0         KVA         EXECTIVA <td>RECEPTACLES, FIRST 10 KVA         68 x 100%         68 kVA           RECEPTACLES         07 x 50%         0.0 kVA           VISC, APPLIANCES         00 x 100%         0.0 kVA           ARGEST MOTOR         00 x 125%         0.0 kVA           VARGEST         0.0 x 125%         0.0 kVA           VARGEST         0.0 x 125%         0.0 kVA           VAC         5.8 kVA         10 x 125%           CONNECTED LOAD         5.8 kVA         10 x 125%           SCONNECTED LOAD PHASE SUMMARY         2.8 kVA           VASE C:         2.0 kVA<td></td><td></td><td></td><td>LC</td><td>)AD</td><td>SUN</td><td>IMA</td><td>RY</td><td></td><td></td><td></td><td></td><td></td><td></td></td>	RECEPTACLES, FIRST 10 KVA         68 x 100%         68 kVA           RECEPTACLES         07 x 50%         0.0 kVA           VISC, APPLIANCES         00 x 100%         0.0 kVA           ARGEST MOTOR         00 x 125%         0.0 kVA           VARGEST         0.0 x 125%         0.0 kVA           VARGEST         0.0 x 125%         0.0 kVA           VAC         5.8 kVA         10 x 125%           CONNECTED LOAD         5.8 kVA         10 x 125%           SCONNECTED LOAD PHASE SUMMARY         2.8 kVA           VASE C:         2.0 kVA <td></td> <td></td> <td></td> <td>LC</td> <td>)AD</td> <td>SUN</td> <td>IMA</td> <td>RY</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>				LC	)AD	SUN	IMA	RY						
RECEPTACLES         0.0 x 50%         0.0 KVA           AISC. APPLIANCES         0.0 x 100%         0.0 KVA           ARGEST MOTOR         0.0 x 125%         0.0 KVA           AOTORS         0.0 x 100%         0.0 KVA           HEAT         0.0 x 125%         0.0 KVA           IC         0.0 x 100%         0.0 KVA           IC         0.0 x 100%         0.0 KVA           VATER HEAT ING         0.0 x 125%         0.0 KVA           IC         0.0 x 100%         0.0 KVA           VATER HEATING         0.0 x 125%         0.0 KVA           IC         0.0 x 125%         0.0 KVA           IOTAL CONNECTED LOAD         6.8 KVA         TOTAL DEMAND KVA           IOTAL DEMAND AMPS         18.9 AMPS           INSCONNECTED LOAD PHASE SUMMARY         TOTAL DEMAND AMPS           IMASE A:         2.8 KVA           IMASE A:         2.8 KVA           IMASE C:         2.0 KVA	ECEPTACLES         0.0 x50%         0.0 KVA           IISC. APPLIANCES         0.0 x100%         0.0 KVA           ARGEST MOTOR         0.0 x125%         0.0 KVA           IOTORS         0.0 x125%         0.0 KVA           IOTORS         0.0 x125%         0.0 KVA           C         0.0 x125%         0.0 KVA           OTAL CONNECTED LOAD         6.8 KVA         TOTAL DEMAND KVA           ATER HEATING         0.0 x125%         0.0 KVA           OTAL CONNECTED LOAD         6.8 KVA         TOTAL DEMAND AMPS           NOTES:         A THE EXISTING PANEL "T1" IS FED FROM 120/200W, 3e, 4W EXISTING PANEL "T" LOCATED IN ELECTRICAL ROOM E208, CRCUT #38-30/3P W/NEW 50/3P AND EXISTING PANEL ROOM E208, CRCUT #38-30/3P W/NEW 50/3P AND EXISTING PANEL ROOM E208, CRCUT #38-30/3P W/NEW 50/3P AND EXISTING REDER 3/10 W/NEW FEDER 3/10 W/NEW FEDED	ECEPTACLES         0.0 x50%         0.0 KVA           IISC. APPLIANCES         0.0 x100%         0.0 KVA           ARGEST MOTOR         0.0 x125%         0.0 KVA           IOTORS         0.0 x125%         0.0 KVA           IOTORS         0.0 x125%         0.0 KVA           C         0.0 x125%         0.0 KVA           OTAL CONNECTED LOAD         6.8 KVA         TOTAL DEMAND KVA           ATER HEATING         0.0 x125%         0.0 KVA           OTAL CONNECTED LOAD         6.8 KVA         TOTAL DEMAND AMPS           NOTES:         A THE EXISTING PANEL "T1" IS FED FROM 120/200W, 3e, 4W EXISTING PANEL "T" LOCATED IN ELECTRICAL ROOM E208, CRCUT #38-30/3P W/NEW 50/3P AND EXISTING PANEL ROOM E208, CRCUT #38-30/3P W/NEW 50/3P AND EXISTING PANEL ROOM E208, CRCUT #38-30/3P W/NEW 50/3P AND EXISTING REDER 3/10 W/NEW FEDER 3/10 W/NEW FEDED	RECEPTACLES         00 x 50%         0.0 KVA           MISC. APPLIANCES         00 x 100%         0.0 KVA           ARGEST MOTOR         00 x 125%         0.0 KVA           MOTORS         00 x 125%         0.0 KVA           MOTORS         00 x 125%         0.0 KVA           MATER HEATING         00 x 125%         0.0 KVA           VATER HEATING         00 x 125%         0.0 KVA           CONNECTED LOAD         6.8 KVA         TOTAL COMMECTED LOAD           PMASE A         2.8 KVA         2.8 KVA           SCONNECTED LOAD PHASE SUMMARY         "YAKEN SO/2P WHEN SO/2P WH														
AISC. APPLIANCES       0.0 x 100%       0.0 KVA         ARGEST MOTOR       0.0 x 125%       0.0 KVA         AOTORS       0.0 x 100%       0.0 KVA         HEAT       0.0 x 125%       0.0 KVA         IC       0.0 x 100%       0.0 KVA         VATER HEATING       0.0 x 125%       0.0 KVA         YATER HEATING       0.0 x 125%       0.0 KVA         YOTAL CONNECTED LOAD       6.8 KVA       TOTAL DEMAND KVA         TOTAL DEMAND AMPS       18.9 AMPS         SONNECTED LOAD PHASE SUMMARY       2.8 KVA         'HASE A:       2.8 KVA         'HASE B:       2.8 KVA         'HASE C:       2.0 KVA	INSC. APPLIANCES 0.0 x 100% 0.0 KVA ARGEST MOTOR 0.0 x 125% 0.0 KVA IOTORS 0.0 x 100% 0.0 KVA EAT 0.0 x 125% 0.0 KVA C 0.0 x 100% 0.0 KVA C 0.0 kVA	INSC. APPLIANCES 0.0 x 100% 0.0 KVA ARGEST MOTOR 0.0 x 125% 0.0 KVA IOTORS 0.0 x 100% 0.0 KVA EAT 0.0 x 125% 0.0 KVA C 0.0 x 100% 0.0 KVA C 0.0 kVA	MISC. APPLIANCES       00 x 100%       0.0 KVA         ARGEST MOTOR       00 x 125%       0.0 KVA         MOTORS       00 x 100%       0.0 KVA         MOTORS       00 x 100%       0.0 KVA         VATER HEATING       0.0 x 125%       0.0 KVA         VATER HEATING       0.0 x 125%       0.0 KVA         VATER HEATING       0.0 x 125%       0.0 KVA         SOUNECTED LOAD       6.8 KVA       0.0 KVA         MATER HEATING       0.0 x 125%       0.0 KVA         SOUNECTED LOAD       6.8 KVA       0.0 KVA         MATER HEATING       0.0 x 125%       0.0 KVA         SOUNECTED LOAD PHASE SUMMARY       TOTAL DEMAND AMPS       18.9 AMPS         SOUNECTED LOAD PHASE SUMMARY       2.8 KVA       2.8 KVA         MASE C:       2.0 KVA       2.8 KVA         SAGE C:       2.0 KVA       2.4 KVA         MASE C:       2.0 KVA       2.4 KVA         SAGE MEDOMECT, ALSO REPLACE DESTING SAME #PAREL #C CONTROL #C MURE #PARE	<b>;</b>				-									
ARGEST MOTOR       0.0 x 125%       0.0 KVA         AOTORS       0.0 x 100%       0.0 KVA         HEAT       0.0 x 125%       0.0 KVA         C       0.0 x 100%       0.0 KVA         VATER HEATING       0.0 x 125%       0.0 KVA         YATER HEATING       0.0 x 125%       0.0 KVA         YOTAL CONNECTED LOAD       6.8 KVA       TOTAL DEMAND KVA         TOTAL DEMAND AMPS       18.9 AMPS         CONNECTED LOAD PHASE SUMMARY       2.8 KVA         'HASE A:       2.8 KVA         'HASE B:       2.8 KVA         'HASE C:       2.0 KVA	ARGEST MOTOR 0.0 x 125% 0.0 KVA IOTORS 0.0 x 100% 0.0 KVA EAT 0.0 x 125% 0.0 KVA C 0.0 x 100% 0.0 KVA C 0.0 x 100% 0.0 KVA ATER HEATING 0.0 x 125% 0.0 KVA OTAL CONNECTED LOAD 6.8 KVA TOTAL DEMAND KVA 6.8 KVA TOTAL DEMAND AMPS 18.9 AMPS ONNECTED LOAD PHASE SUMMARY HASE A: 2.8 KVA HASE B: 2.8 KVA HASE C: 2.0 KVA MOTES: A THE EXISTING PANEL "71" IS FED FROM 120/2004V, 34, 4W EXISTING PANEL "7" LOCATED IN ELECTRICAL ROOM E206, CIRCUIT #30-30/39 (REPLACE EXISTING CARCUIT #38-30/39 W/NEW 50/39 AND EXISTING FEDER 3410 W/NEW FEEDER 346 AND RECOMMECT, ALSO REPLACE EXISTING CARCUIT #38-30/39 W/NEW 50/39 AND EXISTING WRING FEEDER 3410 W/NEW FEEDER 346 AND RECOMMECT, ALSO REPLACE EXISTING VALUE T1" W/NEW 50A MC9)(SEE ATTACHED DWG, IMM-B-ED7). B. EXISTING WRING FED FROM TOP OF PANEL BY: • 3-3/4" C. (WRING FED FROM TOP OF PANEL BY:	ARGEST MOTOR 0.0 x 125% 0.0 KVA IOTORS 0.0 x 100% 0.0 KVA EAT 0.0 x 125% 0.0 KVA C 0.0 x 100% 0.0 KVA C 0.0 x 100% 0.0 KVA ATER HEATING 0.0 x 125% 0.0 KVA OTAL CONNECTED LOAD 6.8 KVA TOTAL DEMAND KVA 6.8 KVA TOTAL DEMAND AMPS 18.9 AMPS ONNECTED LOAD PHASE SUMMARY HASE A: 2.8 KVA HASE B: 2.8 KVA HASE C: 2.0 KVA MOTES: A THE EXISTING PANEL "71" IS FED FROM 120/2004V, 34, 4W EXISTING PANEL "7" LOCATED IN ELECTRICAL ROOM E206, CIRCUIT #30-30/39 (REPLACE EXISTING CARCUIT #38-30/39 W/NEW 50/39 AND EXISTING FEDER 3410 W/NEW FEEDER 346 AND RECOMMECT, ALSO REPLACE EXISTING CARCUIT #38-30/39 W/NEW 50/39 AND EXISTING WRING FEEDER 3410 W/NEW FEEDER 346 AND RECOMMECT, ALSO REPLACE EXISTING VALUE T1" W/NEW 50A MC9)(SEE ATTACHED DWG, IMM-B-ED7). B. EXISTING WRING FED FROM TOP OF PANEL BY: • 3-3/4" C. (WRING FED FROM TOP OF PANEL BY:	ARGEST MOTOR         00 x 125%         00 k KA           MOTORS         00 x 125%         00 k KA           VARGEST MOTOR         00 x 125%         00 k KA           VATER HEATING         00 x 125%         00 k KA           TOTAL CONNECTED LOAD         6.8 kVA         TOTAL DEMAND KVA           VATER HEATING         00 x 125%         00 k KA           SONNECTED LOAD         6.8 kVA         TOTAL DEMAND KVA           VARSE R:         2.8 kVA         2.8 kVA           VARSE REPLACE DOTING REALCE DOTING SCAR					6									
MOTORS         0.0 x 100%         0.0 KVA           iEAT         0.0 x 125%         0.0 KVA           iC         0.0 x 100%         0.0 KVA           VATER HEATING         0.0 x 125%         0.0 KVA           YOTAL CONNECTED LOAD         6.8 KVA         TOTAL DEMAND KVA         6.8 KVA           TOTAL DEMAND AMPS         18.9 AMPS         TOTAL DEMAND AMPS         18.9 AMPS           CONNECTED LOAD PHASE SUMMARY         2.8 KVA         TOTAL DEMAND AMPS         18.9 AMPS           WHASE B:         2.8 KVA         2.8 KVA         TOTAL DEMAND AMPS         18.9 AMPS	INDES:       A THE EXISTING PANEL "T1" IS FED FROM 120/206W, 34, 4W EXISTING PANEL "T" W/NEW 50A MCB)(SEE ATTACHED DWG, MM-B-ED7).         INDES:       A THE EXISTING CHARLE BT: 3-3/4" C, (WHENG FED FROM TOP OF PANEL BT: 9-3/4" C, (WHENG FED FROM TOP OF PANEL BT: 9-3/4" C, (WHENG FEL >400).	INDES:       A THE EXISTING PANEL "T1" IS FED FROM 120/206W, 34, 4W EXISTING PANEL "T" W/NEW 50A MCB)(SEE ATTACHED DWG, MM-B-ED7).         INDES:       A THE EXISTING CHARLE BT: 3-3/4" C, (WHENG FED FROM TOP OF PANEL BT: 9-3/4" C, (WHENG FED FROM TOP OF PANEL BT: 9-3/4" C, (WHENG FEL >400).	AUTORS 00 x 100% 00 K KA HEAT 00 x 100% 00 K KA GC 00 x 100% 00 K KA WATER HEATING 00 x 125% 00 K KA TOTAL CONNECTED LOAD 6.8 KVA TOTAL DEMAND AMPS 18.9 AMPS SONNECTED LOAD 6.8 KVA TOTAL DEMAND AMPS 18.9 AMPS SONNECTED LOAD PHASE SUMMARY MASE A: 2.8 KVA PHASE C: 2.0 KVA MOTES: A THE DOSTING PAREL 71" IS FED FROM 120/2004V, 39, 4W DOSTING FROM FACAL ROOM E206, GRUIT 633–307 (PEPLACE DOSTING 34, MCB 60 PAREL 71" W/NEW 50A MCB)(SEE ATTACHED DWG, MM-B-ED7). B. DOSTING WIRING FILL 34000). CONTRACTING * 3-3/4" C. (WIRING FILL 34000). TON METROPOLITAN AREA TRANSIT AUTHORITY TRANSIT INFRASTRUCTURE FTRANSIT INFRAST														
IEAT     0.0 x 125%     0.0 KVA       IC     0.0 x 100%     0.0 KVA       VATER HEATING     0.0 x 125%     0.0 KVA       YOTAL CONNECTED LOAD     6.8 KVA     TOTAL DEMAND KVA     6.8 KVA       TOTAL DEMAND AMPS     18.9 AMPS       CONNECTED LOAD PHASE SUMMARY     2.8 KVA       PHASE A:     2.8 KVA       YHASE B:     2.8 KVA       YHASE C:     2.0 KVA	EAT       0.0       x 125%       0.0       KVA         C       0.0       x 100%       0.0       KVA         IAT ER HEATING       0.0       x 125%       0.0       KVA         OTAL CONNECTED LOAD       6.8       KVA       TOTAL DEMAND KVA       6.8       KVA         ONNECTED LOAD       6.8       KVA       TOTAL DEMAND KVA       6.8       KVA         ONNECTED LOAD PHASE SUMMARY       TOTAL DEMAND AMPS       18.9       AMPS         ONNECTED LOAD PHASE SUMMARY       2.8       KVA       TOTAL DEMAND AMPS       18.9       AMPS         INDIES:       A THE EXISTING PANEL "T1" IS FED FROM 120/208VV, 34, 4W EXISTING PANEL "F" LOCATED IN ELECTRICAL ROOM E206, CIRCUIT #38-30/3P W/NEW 50/3P AND EXISTING FEDER 3#10 W/NEW FEDER	EAT       0.0       x 125%       0.0       KVA         C       0.0       x 100%       0.0       KVA         IAT ER HEATING       0.0       x 125%       0.0       KVA         OTAL CONNECTED LOAD       6.8       KVA       TOTAL DEMAND KVA       6.8       KVA         ONNECTED LOAD       6.8       KVA       TOTAL DEMAND KVA       6.8       KVA         ONNECTED LOAD PHASE SUMMARY       TOTAL DEMAND AMPS       18.9       AMPS         ONNECTED LOAD PHASE SUMMARY       2.8       KVA       TOTAL DEMAND AMPS       18.9       AMPS         INDIES:       A THE EXISTING PANEL "T1" IS FED FROM 120/208VV, 34, 4W EXISTING PANEL "F" LOCATED IN ELECTRICAL ROOM E206, CIRCUIT #38-30/3P W/NEW 50/3P AND EXISTING FEDER 3#10 W/NEW FEDER	HEAT       0.0 x 125%       0.0 kVA         NO       0.0 x 125%       0.0 kVA         NO FOR LEATING       0.0 x 125%       0.0 kVA         TOTAL DEMAND KWA       0.0 kVA         TOTAL DEMAND AMPS       18.9 AMPS         CONNECTED LOAD       6.8 kVA         TOTAL DEMAND AMPS       18.9 AMPS         CONNECTED LOAD       7.0 ZA KVA         PHASE A:       2.8 kVA         PHASE C:       2.0 kVA         MOTES: A THE EXISTING PANEL 71" IS FED FROM 120/2004, 34, 4W EXISTING PANEL 7" LOANED IN ELECTROL ROOM E206, GROUT 530-3059 (RPLACE DESTING CANE) WHEN SO A MCD STRIK FEDERI 34/10 WINW PEDER 34/10 WIN														
Image: Construction     0.0 x 100%     0.0 KVA       VATER HEATING     0.0 x 125%     0.0 KVA       VOTAL CONNECTED LOAD     6.8 KVA     TOTAL DEMAND KVA     6.8 KVA       TOTAL DEMAND AMPS     18.9 AMPS       CONNECTED LOAD PHASE SUMMARY     2.8 KVA       PHASE A:     2.8 KVA       YHASE B:     2.8 KVA       YHASE C:     2.0 KVA	C     0.0 x 100%     0.0 kVA       /ATER HEATING     0.0 x 125%     0.0 kVA       OTAL CONNECTED LOAD     6.8 kVA     TOTAL DEMAND KVA       OTAL CONNECTED LOAD     6.8 kVA     TOTAL DEMAND KVA       ONNECTED LOAD PHASE SUMMARY     TOTAL DEMAND AMPS     18.9 AMPS       ONNECTED LOAD PHASE SUMMARY	C     0.0 x 100%     0.0 kVA       /ATER HEATING     0.0 x 125%     0.0 kVA       OTAL CONNECTED LOAD     6.8 kVA     TOTAL DEMAND KVA       OTAL CONNECTED LOAD     6.8 kVA     TOTAL DEMAND KVA       ONNECTED LOAD PHASE SUMMARY     TOTAL DEMAND AMPS     18.9 AMPS       ONNECTED LOAD PHASE SUMMARY	NC       00 x 100%       0.0 KVA         WATER HEATING       00 x 125%       0.0 KVA         TOTAL CONNECTED LOAD       6.8 KVA       TOTAL DEMAND KVA         SONNECTED LOAD       6.8 KVA       TOTAL DEMAND KVA         SONNECTED LOAD       6.8 KVA       TOTAL DEMAND KVA         SONNECTED LOAD       6.8 KVA       TOTAL DEMAND AMPS         SONNECTED LOAD PHASE SUMMARY       TOTAL DEMAND AMPS       18.9 AMPS         SONNECTED LOAD PHASE SUMMARY       2.8 KVA       TOTAL DEMAND AMPS         PHASE A:       2.8 KVA       2.8 KVA         PHASE B:       2.8 KVA       2.8 KVA         PHASE B:       2.8 KVA       50/50 KVA         SMOTES: A THE EXISTING FAMEL *1" SO TRUE DESTING CARDING CARDING CARDING PANEL *1" SOLON PROCEMENT, ALSO BERLACE DESTING CARDING CARDING FEDERAL *4000.         BE DESTING WINN FED FROM COP OF PANEL BY:       • 3-3/4" C. (WIRING FILL >4000).         • 2 -1" C. (WIRING FILL >4000).       • 2 -1" C. (WIRING FILL >4000).         TON METROPOLITAN AREA TRANSIT AUTHORITY       NEW ELECTRONIC PAY PROGRAM (NEI IN METRORAIL STATIONS GALLERY PLACE - EAST         TRANSIT MERASTRUCTURE       CONTINUE FILL *100.1 N T V E N T U REI       CONTINUE FILL *4000.														
VATER HEATING 0.0 x 125% 0.0 KVA TOTAL CONNECTED LOAD 6.8 KVA TOTAL DEMAND KVA 6.8 KVA TOTAL DEMAND AMPS 18.9 AMPS CONNECTED LOAD PHASE SUMMARY PHASE A: 2.8 KVA PHASE B: 2.8 KVA PHASE C: 2.0 KVA	AFER HEATING       0.0 x 125%       0.0 kVA         OTAL CONNECTED LOAD       6.8 kVA       TOTAL DEMAND KVA       6.8 kVA         TOTAL DEMAND AMPS       18.9 AMPS         ONNECTED LOAD PHASE SUMMARY       18.9 AMPS         HASE A:       2.8 kVA         HASE B:       2.8 kVA         MASE C:       2.0 kVA         NOTES: A THE EXISTING PANEL "F1" IS FED FROM 120/208W, 30, 4W EXISTING PANEL "F" LOCATED IN ELECTRICAL ROOM E206, CIRCUIT (138–30/3P W/NEW 50/3P AND EXISTING FEEDER 3(10 W/NEW FEEDER 3(1	AFER HEATING       0.0 x 125%       0.0 kVA         OTAL CONNECTED LOAD       6.8 kVA       TOTAL DEMAND KVA       6.8 kVA         TOTAL DEMAND AMPS       18.9 AMPS         ONNECTED LOAD PHASE SUMMARY       18.9 AMPS         HASE A:       2.8 kVA         HASE B:       2.8 kVA         MASE C:       2.0 kVA         NOTES: A THE EXISTING PANEL "F1" IS FED FROM 120/208W, 30, 4W EXISTING PANEL "F" LOCATED IN ELECTRICAL ROOM E206, CIRCUIT (138–30/3P W/NEW 50/3P AND EXISTING FEEDER 3(10 W/NEW FEEDER 3(1	NATER HEATING 0.0 x 125% 0.0 KVA TOTAL CONNECTED LOAD 6.8 KVA TOTAL DEMAND KVA 6.8 KVA TOTAL DEMAND AMPS 18.9 AMPS DONNECTED LOAD PHASE SUMMARY PHASE A: 2.8 KVA PHASE B: 2.8 KVA PHASE B: 2.9 KVA PHASE B: 2.9 KVA PHASE C. 2.0 KVA PHASE C.														
TOTAL CONNECTED LOAD     6.8 KVA     TOTAL DEMAND KVA     6.8 KVA       TOTAL DEMAND AMPS     18.9 AMPS       CONNECTED LOAD PHASE SUMMARY     2.8 KVA       *HASE A:     2.8 KVA       *HASE B:     2.8 KVA       *HASE C:     2.0 KVA	OTAL CONNECTED LOAD 6.8 KVA TOTAL DEMAND KVA 6.8 KVA TOTAL DEMAND AMPS 18.9 AMPS ONNECTED LOAD PHASE SUMMARY HASE A: 2.8 KVA HASE B: 2.8 KVA HASE C: 2.0 KVA MOTES: A THE EXISTING PANEL "F1" is FED FROM 120/208W, 30, 4W EXISTING PANEL "F" LOCATED IN ELECTRICAL ROOM E206, CIRCUIT (138–30/3P (REPLACE EXISTING CIRCUIT (138–30/3P W/NEW 50/3P AND EXISTING FEEDER 3(10 W/NEW FEEDER 3/6 AND RECONNECT, ALSO REPLACE EXISTING SCIRUIT (138–30/3P W/NEW 50A MCB)(SEE ATTACHED DWG, MM-B-ED7). B. EXISTING WIGING FED FROM TOP OF PANEL BY: • 3-3/4" C. (WIRING FEL FICM TOP OF PANEL BY:	OTAL CONNECTED LOAD 6.8 KVA TOTAL DEMAND KVA 6.8 KVA TOTAL DEMAND AMPS 18.9 AMPS ONNECTED LOAD PHASE SUMMARY HASE A: 2.8 KVA HASE B: 2.8 KVA HASE C: 2.0 KVA MOTES: A THE EXISTING PANEL "F1" is FED FROM 120/208W, 30, 4W EXISTING PANEL "F" LOCATED IN ELECTRICAL ROOM E206, CIRCUIT (138–30/3P (REPLACE EXISTING CIRCUIT (138–30/3P W/NEW 50/3P AND EXISTING FEEDER 3(10 W/NEW FEEDER 3/6 AND RECONNECT, ALSO REPLACE EXISTING SCIRUIT (138–30/3P W/NEW 50A MCB)(SEE ATTACHED DWG, MM-B-ED7). B. EXISTING WIGING FED FROM TOP OF PANEL BY: • 3-3/4" C. (WIRING FEL FICM TOP OF PANEL BY:	TOTAL CONNECTED LOAD 6.3 KVA TOTAL DEMAND KVA 6.3 KVA TOTAL DEMAND AMPS 18.9 AMPS CONNECTED LOAD PHASE SUMMARY PHASE A: 2.8 KVA PHASE B: 2.8 KVA PHASE C: 2.0 KVA NOTES: A THE DOSTING PANEL 71" IS FED FROM 120/205W, 34, 4W DOSTING PANEL 7" LOCATED IN ELECTRICAL ROOM E206, CRECUIT AND-30/2P (REFLACE DOSTING CRECUIT ASB-30/2P WHEN 50/2P AND EXSTING FEDER 3410 W/NEW FEDER 36 AND RECOMMENT, ALSO REFLACE DOSTING CRECUIT ASB-30/2P WHEN 50/2P AND EXSTING FEDER 3410 W/NEW FEDER 36 AND RECOMMENT, ALSO REFLACE DOSTING CRECUIT ASB-30/2P WHEN 50/2P AND EXSTING FEDER 3410 W/NEW FEDER 36 AND RECOMMENT, ALSO REFLACE DOSTING CRECUIT ASB-30/2P WHEN 50/2P AND EXSTING FEDER 3410 W/NEW FEDER 36 AND RECOMMENT, ALSO REFLACE DOSTING CRECUIT ASB-30/2P WHEN 50/2P AND EXSTING FEDER 3410 W/NEW FEDER 36 AND RECOMMENT, ALSO REFLACE DOSTING CRECUIT ASB-30/2P WHEN 50/2P AND EXSTING FEDER 3410 W/NEW FEDER 36 AND RECOMMENT, ALSO REFLACE DOSTING CRECUIT ASB-30/2P WHEN 50/2P AND EXSTING FEDER 3410 W/NEW FEDER 36 AND RECOMMENT, ALSO REFLACE DOSTING CRECUIT ASB-30/2P W/NEW 50/2P AND EXSTING FEDER 3410 W/NEW FEDER 36 AND RECOMMENT, ALSO REFLACE DOSTING CRECUIT ASB-30/2P W/NEW 50/2P AND EXSTING FEDER 3410 W/NEW FEDER 36 AND RECOMMENT, ALSO REFLACE DOSTING CRECUIT ASB-30/2P W/NEW 50/2P AND EXSTING FEDER 3410 W/NEW FEDER 36 AND RECOMMENT, ALSO REFLACE DOSTING CRECUIT ASB-30/2P W/NEW 50/2P AND EXSTING FEDER 3410 W/NEW FEDER 36 AND RECOMMENT, ALSO REFLACE DOSTING CRECUIT ASB-30/2P W/NEW 50/2P AND EXSTING FEDER 3410 W/NEW FEDER 36 AND RECOMMENT, ALSO REFLACE DOSTING CRECUIT ASB-30/2P W/NEW 50/2P AND EXSTING FEDER 3410 W/NEW FEDER 37 AND RECOMMENT, ALSO REFLACE DOSTING CRECUIT ASB-30/2P W/NEW 50/2P AND EXSTING FEDER 3410 W/NEW FEDER 34 DOSTING FEDER 34 D														
TOTAL DEMAND AMPS         18.9 AMPS           CONNECTED LOAD PHASE SUMMARY         ************************************	TOTAL DEMAND AMPS 18.9 AMPS ONNECTED LOAD PHASE SUMMARY HASE A: 2.8 KVA HASE B: 2.8 KVA HASE C: 2.0 KVA NOTES: A THE EXISTING PANEL "F1" IS FED FROM 120/208V/, 3/, 4W EXISTING PANEL "F" LOCATED IN ELECTRICAL ROOM E206, CIRCUIT #38-30/3P (REPLACE EXISTING CIRCUIT #38-30/3P W/NEW 50/3P AND EXISTING FEEDER 3/10 W/NEW FEEDER 3/6 AND RECONNECT, ALSO REPLACE EXISTING 30A MC8 @ PANEL "F1" W/NEW 50A MC8)(SEE ATTACHED DWG, MM-B-ED7). B. EXISTING WIRING FED FROM TOP OF PANEL BY:	TOTAL DEMAND AMPS 18.9 AMPS ONNECTED LOAD PHASE SUMMARY HASE A: 2.8 KVA HASE B: 2.8 KVA HASE C: 2.0 KVA NOTES: A THE EXISTING PANEL "F1" IS FED FROM 120/208V/, 3/, 4W EXISTING PANEL "F" LOCATED IN ELECTRICAL ROOM E206, CIRCUIT #38-30/3P (REPLACE EXISTING CIRCUIT #38-30/3P W/NEW 50/3P AND EXISTING FEEDER 3/10 W/NEW FEEDER 3/6 AND RECONNECT, ALSO REPLACE EXISTING 30A MC8 @ PANEL "F1" W/NEW 50A MC8)(SEE ATTACHED DWG, MM-B-ED7). B. EXISTING WIRING FED FROM TOP OF PANEL BY:	TOTAL DEMAND AMPS 18.9 AMPS CONNECTED LOAD PHASE SUMMARY PHASE A: 2.8 KVA PHASE B: 2.8 KVA PHASE C: 2.0 KVA  MOTES: A THE DOSTING PANEL *T1* S FED FROM 120/2009A, 34, AW EXISTING PANEL *T* LOCATED IN ELECTRICAL ROOM EZOR, CRECIT #38-30/39 (REPLACE EXISTING CRECUT #38-30/39 W/NEW 50/3P AND EXISTING FEDERS 3#10 W/NEW FEEDER 3#0 REDOWNEDT, ALSO REPLACE EXISTING CRECUT #38-30/39 W/NEW 50/3P AND EXISTING FEDERS 3#10 W/NEW FEEDER 3#0 REDOWNEDT, ALSO REPLACE EXISTING CRECUT #38-30/39 W/NEW 50/3P AND EXISTING FEDERS 3#10 W/NEW FEEDER 3#0 REDOWNEDT, ALSO REPLACE EXISTING CRECUT #38-30/39 W/NEW 50/3P AND EXISTING FEDERAL TO W/NEW FEEDER 3#0 AND REDOWNEDT, ALSO REPLACE EXISTING SAL MC8 © PANEL TT* W/NEW 50A MC8)(SEE ATTACHED DWG. MM-B-ED7). E. DOSTING WRING FED FROM TOP OF PANEL BY:  * 3-3/4* C. (WRING FILL >4032). * 2-1* C. (WRING FILL >4032).					0	TOTA								
CONNECTED LOAD PHASE SUMMARY           PHASE A:         2.8 KVA           PHASE B:         2.8 KVA           PHASE C:         2.0 KVA	ONNECTED LOAD PHASE SUMMARY HASE A: 2.8 KVA HASE B: 2.8 KVA HASE C: 2.0 KVA NOTES: A. THE EXISTING PANEL "F1" IS FED FROM 120/208W, 30, 4W EXISTING PANEL "F" LOCATED IN ELECTRICAL ROOM E206, CIRCUIT #38-30/3P (REPLACE EXISTING CIRCUIT #38-30/3P W/NEW 50/3P AND EXISTING FEEDER 3#10 W/NEW FEEDER 3#6 AND RECONNECT, ALSO REPLACE EXISTING 30A MC8 @ PANEL "F1" W/NEW 50A MC8)(SEE ATTACHED DWG, MM-B-ED7). B. EXISTING WRING FED FROM TOP OF PANEL BY: • 3-3/4" C. (WRING FEL 5405).	ONNECTED LOAD PHASE SUMMARY HASE A: 2.8 KVA HASE B: 2.8 KVA HASE C: 2.0 KVA NOTES: A. THE EXISTING PANEL "F1" IS FED FROM 120/208W, 30, 4W EXISTING PANEL "F" LOCATED IN ELECTRICAL ROOM E206, CIRCUIT #38-30/3P (REPLACE EXISTING CIRCUIT #38-30/3P W/NEW 50/3P AND EXISTING FEEDER 3#10 W/NEW FEEDER 3#6 AND RECONNECT, ALSO REPLACE EXISTING 30A MC8 @ PANEL "F1" W/NEW 50A MC8)(SEE ATTACHED DWG, MM-B-ED7). B. EXISTING WRING FED FROM TOP OF PANEL BY: • 3-3/4" C. (WRING FEL 5405).	CONTRACT NO. PHASE A: 2.8 KVA PHASE B: 2.8 KVA PHASE C: 2.0 KVA MOTES: A THE DUSTING PAREL "TI" IS FED FROM 120/200W, 36, 4W DOSTING PAREL "T" LOCATED IN ELECTRICAL ROOM E206, CRICUT #38-30/30 (REPLACE DUSTING CRICUIT #38-30/39 W/NEW 50/39 AND DOSTING TEDDER 3/10 W/NEW FEDER 3/8 AND RECOMBECT, ALSO REPLACE DUSTING CRICUIT #38-30/39 W/NEW 50/39 AND DOSTING TEDDER 3/10 W/NEW FEDER 3/8 AND RECOMBECT, ALSO REPLACE DUSTING CRICUIT #38-30/39 W/NEW 50/39 AND DOSTING TEDDER 3/10 W/NEW FEDER 3/8 AND RECOMBECT, ALSO REPLACE DUSTING CRICUIT #38-30/39 W/NEW 50/39 AND DOSTING TEDDER 3/10 W/NEW FEDER 3/8 AND RECOMBECT, ALSO REPLACE DUSTING CRICUIT #38-30/39 W/NEW 50/39 AND DOSTING TEDDER 3/10 W/NEW FEDER 3/8 AND RECOMBECT, ALSO REPLACE DUSTING CRICUIT #38-30/39 W/NEW 50/39 AND DOSTING TEDDER 3/10 W/NEW FEDER 3/8 AND RECOMBECT, ALSO REPLACE DUSTING CRICUIT #38-30/39 W/NEW 50/39 AND DOSTING TEDDER 3/10 W/NEW FEDER 3/8 AND RECOMBECT, ALSO REPLACE DUSTING CRICUIT #38-30/39 W/NEW 50/39 AND DOSTING TEDDER 3/10 W/NEW FEDER 3/8 AND RECOMBECT, ALSO REPLACE DUSTING CRICUIT #38-30/39 W/NEW 50/39 AND DOSTING TEDDER 3/10 W/NEW FEDER 3/8 AND RECOMBECT, ALSO REPLACE DUSTING CRICUIT #38-30/39 W/NEW 50/39 AND DOSTING TEDDER 3/10 W/NEW FEDER 3/8 AND RECOMBECT, ALSO REPLACE DUSTING CRICUIT #38-30/39 W/NEW 50/39 AND DOSTING TEDDER 3/10 W/NEW FEDER 0	TOTAL CONNECTED LOAD		0.0	RVA										
HASE A:     2.8 KVA       'HASE B:     2.8 KVA       'HASE C:     2.0 KVA	HASE A: HASE B: HASE B: 2.8 KVA HASE B: 2.8 KVA ASE C: 2.0 KVA NOTES: A. THE EXISTING PANEL "F1" IS FED FROM 120/208W, 30, 4W EXISTING PANEL "F" LOCATED IN ELECTRICAL ROOM E206, CIRCUIT #38-30/3P (REPLACE EXISTING CIRCUIT #38-30/3P W/NEW 50/3P AND EXISTING FEEDER 3#10 W/NEW FEEDER 3#6 AND RECONNECT, ALSO REPLACE EXISTING 30A MC8 @ PANEL "F1" W/NEW 50A MC8)(SEE ATTACHED DWG. MM-B-EDT). B. EXISTING WRING FED FROM TOP OF PANEL BY: • 3-3/4" C. (WRING FIL >4005).	HASE A: HASE B: HASE B: 2.8 KVA HASE B: 2.8 KVA ASE C: 2.0 KVA NOTES: A. THE EXISTING PANEL "F1" IS FED FROM 120/208W, 30, 4W EXISTING PANEL "F" LOCATED IN ELECTRICAL ROOM E206, CIRCUIT #38-30/3P (REPLACE EXISTING CIRCUIT #38-30/3P W/NEW 50/3P AND EXISTING FEEDER 3#10 W/NEW FEEDER 3#6 AND RECONNECT, ALSO REPLACE EXISTING 30A MC8 @ PANEL "F1" W/NEW 50A MC8)(SEE ATTACHED DWG. MM-B-EDT). B. EXISTING WRING FED FROM TOP OF PANEL BY: • 3-3/4" C. (WRING FIL >4005).	PHASE A:       2.8 KVA         PHASE B:       2.8 KVA         PHASE C:       2.0 KVA         NOTES: A THE EXISTING PAREL. TH'S IS FED FROM 120/2019/V, 34, 4W EXISTING PAREL. T'S LOCATED IN ELECTRICAL ROOM E206, CROUT (38-30/39 (REPLACE DUSTING CROUT (38-30/39	CONNECTED I OAD PHASE SUMI	MARY				1012		ANDA	mrj	10.3	J AMF3			
HASE B:         2.8 KVA           'HASE C:         2.0 KVA	HASE B: HASE B: HASE C: 2.0 KVA NOTES: A. THE EXISTING PANEL "F1" IS FED FROM 120/208W, 30, 4W EXISTING PANEL "F" LOCATED IN ELECTRICAL ROOM E206, CIRCUIT #38-30/3P (REPLACE EXISTING CIRCUIT #38-30/3P W/NEW 50/3P AND EXISTING FEEDER 3#10 W/NEW FEEDER 3#6 AND RECONNECT, ALSO REPLACE EXISTING 30A MC8 @ PANEL "F1" W/NEW 50A MC8)(SEE ATTACHED DWG, MM-B-ED7). B. EXISTING WRING FED FROM TOP OF PANEL BY: • 3-3/4" C. (WRING FIL >403).	HASE B: HASE B: HASE C: 2.0 KVA NOTES: A. THE EXISTING PANEL "F1" IS FED FROM 120/208W, 30, 4W EXISTING PANEL "F" LOCATED IN ELECTRICAL ROOM E206, CIRCUIT #38-30/3P (REPLACE EXISTING CIRCUIT #38-30/3P W/NEW 50/3P AND EXISTING FEEDER 3#10 W/NEW FEEDER 3#6 AND RECONNECT, ALSO REPLACE EXISTING 30A MC8 @ PANEL "F1" W/NEW 50A MC8)(SEE ATTACHED DWG, MM-B-ED7). B. EXISTING WRING FED FROM TOP OF PANEL BY: • 3-3/4" C. (WRING FIL >403).	PHASE B: 2.8 KVA PHASE C: 2.0 KVA MODES: A THE EXCENTING PANEL "TI" IS FED FROM 120/206W, 34, 4W EXSTING PANEL "P" LOCATED IN ELECTROCAL ROOM E206, CRICUIT 639-30/30 (REPLACE DOSTING CRICUIT 339-30/30 W/NEW 50/30 AND DOSTING FEDER 3410 W/NEW FEDER 3/6 AND RECOMMENT, Also REPLACE DOSTING CRICUIT 339-30/30 W/NEW 50A MCB/(SEE ATTACHED DWG, MM-B-EDD7), B. EXECUTIVE 1.30 REPLACE DOSTING CRICUIT 439-30/30 W/NEW 50A MCB/(SEE ATTACHED DWG, MM-B-ED7), B. EXECUTIVE 1.30 REPLACE DOSTING CRICUIT 439-30/30 W/NEW 50A MCB/(SEE ATTACHED DWG, MM-B-ED7), B. EXECUTIVE 1.30 REPLACE DOSTING CRICUIT 439-30/30 W/NEW 50A MCB/(SEE ATTACHED DWG, MM-B-ED7), B. EXECUTIVE 1.30 REPLACE DOSTING CRICUIT 439-30/30 W/NEW 50A MCB/(SEE ATTACHED DWG, MM-B-ED7), B. EXECUTIVE 1.30 REPLACE DOSTING CRICUIT 439-300/30 W/NEW 50A MCB/(SEE ATTACHED DWG, MM-B-ED7), B. EXECUTIVE 1.30 REPLACE DOSTING CRICUIT 450-300/30 W/NEW 50A MCB/(SEE ATTACHED DWG, MM-B-ED7), B. EXECUTIVE 1.30 REPLACE TRANSIT AUTHORITY D'TRANSTRUCTURE 1.30 REPLACE TRANSIT AUTHORITY 1.50 METRORAIL STATIONS GALLERY PLACE - EAST		10111	28	KVA										
HASE C: 2.0 KVA	HASE C: 2.0 KVA NOTES: A THE EXISTING PANEL "F1" IS FED FROM 120/208W, 30, 4W EXISTING PANEL "F" LOCATED IN ELECTRICAL ROOM E206, CIRCUIT #38-30/3P (REPLACE EXISTING CIRCUIT #38-30/3P W/NEW 50/3P AND EXISTING FEEDER 3#10 W/NEW FEEDER 3#6 AND RECONNECT, ALSO REPLACE EXISTING 30A MC8 @ PANEL "F1" W/NEW 50A MC8)(SEE ATTACHED DWG, MM-B-ED7), B. EXISTING WIRING FED FROM TOP OF PANEL BY: • 3-3/4" C. (WIRING FIL >403),	HASE C: 2.0 KVA NOTES: A THE EXISTING PANEL "F1" IS FED FROM 120/208W, 30, 4W EXISTING PANEL "F" LOCATED IN ELECTRICAL ROOM E206, CIRCUIT #38-30/3P (REPLACE EXISTING CIRCUIT #38-30/3P W/NEW 50/3P AND EXISTING FEEDER 3#10 W/NEW FEEDER 3#6 AND RECONNECT, ALSO REPLACE EXISTING 30A MC8 @ PANEL "F1" W/NEW 50A MC8)(SEE ATTACHED DWG, MM-B-ED7), B. EXISTING WIRING FED FROM TOP OF PANEL BY: • 3-3/4" C. (WIRING FIL >403),	PHASE C:       2.0 KVA         NOTES: A THE DOSTING PAREL "TI" IS FED FROM 120/2009/V, 34, 4W EXISTING PAREL "T" UCATED IN ELECTRICAL ROOM E208, CRICUIT #38-30/3P (REPLACE EXISTING SAM MG @ PAREL "TI" W/NEW 50/3P AND EXISTING FEEDER 3410 W/NEW FEEDER 346 AM RECONNECT, ALSO REPLACE EXISTING SAM MG @ PAREL "TI" W/NEW 50A MCD)(SEE ATTACHED DWG. MM-B-ED7), B. EXISTING WIRING FEL >4005).         B 2-1" C. (WIRING FIL >4005).         * 2-1" C. (WIRING FIL >4005).														
	NOTES: A THE EXISTING PANEL "F1" IS FED FROM 120/208W, 30, 4W EXISTING PANEL "F" LOCATED IN ELECTRICAL ROOM E206, CREVIT #38-30/3P (REPLACE EXISTING CREVIT #38-30/3P W/NEW 50/3P AND EXISTING FEEDER 3#10 W/NEW FEEDER 3#8 AND RECONNECT, ALSO REPLACE EXISTING 30A MCB @ PANEL "F1" W/NEW 50A MCB)(SEE ATTACHED DWG. MM-B-ED7). B. EXISTING WIRING FED FROM TOP OF PANEL BY: • 3-3/4" C. (WIRING FIL >403).	NOTES: A THE EXISTING PANEL "F1" IS FED FROM 120/208W, 30, 4W EXISTING PANEL "F" LOCATED IN ELECTRICAL ROOM E206, CREVIT #38-30/3P (REPLACE EXISTING CREVIT #38-30/3P W/NEW 50/3P AND EXISTING FEEDER 3#10 W/NEW FEEDER 3#8 AND RECONNECT, ALSO REPLACE EXISTING 30A MCB @ PANEL "F1" W/NEW 50A MCB)(SEE ATTACHED DWG. MM-B-ED7). B. EXISTING WIRING FED FROM TOP OF PANEL BY: • 3-3/4" C. (WIRING FIL >403).	NOTES: A THE EXISTING PANEL "TI" IS FED FROM 120/200W, 34, 4W EXISTING PANEL "F" LOCATED IN ELECTRICAL ROOM E206, CRECUT [338-30/3P (REPLACE EXISTING CIRCUIT [38-30/3P W/NEW 50/3P AND EXISTING FEDER 3/10 W/NEW FEDER 3/80 AND REDOMNECT, ALSO REPLACE EXISTING CALUIT [38-30/3P W/NEW 50/3P AND EXISTING FEDER 3/10 W/NEW FEDER 3.3/4" C. (WRING FED FROM TOP OF PANEL BY: • 3-3/4" C. (WRING FIL >400). • 2-1" C. (WRING FIL >400).														
NULES: A THE EXISTING PANEL "F1" IS FED FROM 120/208W, 30, 4W EXISTING PANEL "F" LOCATED IN ELECTRICAL ROOM E208.	3/F6 AND RECONNECT, ALSO REPLACE DOSTING 30A MC8 @ PANEL "F1" W/NEW 50A MC8)(SEE ATTACHED DWG, MM-B-ED7). B. EOSTING WRING FED FROM TOP OF PANEL BY: • 3-3/4" C. (WRING FILL >40%).	3/F6 AND RECONNECT, ALSO REPLACE DOSTING 30A MC8 @ PANEL "F1" W/NEW 50A MC8)(SEE ATTACHED DWG, MM-B-ED7). B. EOSTING WRING FED FROM TOP OF PANEL BY: • 3-3/4" C. (WRING FILL >40%).	SHE AND RECONNECT, ALSO REPLACE EXISTING SOA MCB @ PANEL TI" W/NEW SOA MCB)(SEE ATTACHED DWG. MM-B-ED7). B. EDSTING WIRING FEL >4005). * 2-1" C. (WIRING FIL >4005). * 2-1" C. (WIRING					4									
3/16 AND RECONNECT, ALSO REPLACE EXISTING 30A MCB & PANEL "F1" W/NEW 50A MCB)(SEE ATTACHED DWG. MM—B—ED7). B. EXISTING WIRING FED FROM TOP OF PANEL BY: • 3—3/4" C. (WIRING FILL >40%).			14-FQ10060-CEN TON METROPOLITAN AREA TRANSIT AUTHORITY DE TRANSIT INFRASTRUCTURE IN METRORAIL STATIONS GALLERY PLACE - EAST GALLERY PLACE - EAST	PHASE A: PHASE B: PHASE C: NOTES: A. THE EXISTING PAP CIRCUIT #38-30/ 3/8 AND RECOM B. EXISTING WIRING I • 3-3/4° C.	NEL "F1" IS 73P (REPLAC NECT, ALSO FED FROM 1 (WIRING FIL	2.8 2.0 FED FRO XE EXISTIN REPLACE TOP OF P L >40%).	KVA KVA IG CIRI EXISTII	NG 30A	, <b>36</b> , 4%	P W/M	NG PA	iei, "f" l 3p and e	OCATED	IN ELECTRICAL ROOM	I E206, W FEEDER MM-B-ED7).		
			14-FQ10060-CEN TON METROPOLITAN AREA TRANSIT AUTHORITY FTRANSIT INFRASTRUCTURE GINERATIG SERVICES IN METRORAIL STATIONS GALLERY PLACE - EAST IN METRORAIL STATIONS GALLERY PLACE - EAST														
			TON METROPOLITAN AREA TRANSIT AUTHORITY FTRANSIT INFRASTRUCTURE GINERAL GENERAL GUINT VENTURE GINERAL STATIONS GALLERY PLACE - EAST														
			GNEERIG SERVICES GALLERY PLACE - EAST														
14-FQ10060-CEM	14-FQ10060-CEN	14-FQ10060-CEN	GNEERIG SERVICES GALLERY PLACE - EAST											EATRALIC		14-F	Q10060-CE
14-FQ10060-CEM	14-FQ10060-CEN	14-FQ10060-CEN	GNEERING SERVICES JOINT VENTURE GALLERT PLACE - EAST	TON METROPOLITA	N ARE	A TRA	NS		JTHC	RIT	Y	NE	N EL			14-F	Q10060-CE
14-FQ10060-CENT TON METROPOLITAN AREA TRANSIT AUTHORITY IN METRORAIL STATIONS	14-FQ10060-CEN TON METROPOLITAN AREA TRANSIT AUTHORITY TRANSIT NERASTRUCTURE	14-FQ10060-CEN TON METROPOLITAN AREA TRANSIT AUTHORITY TRANSIT NERASTRUCTURE		F TRANSIT INFRASTRUCTURE		A TR/						NE	N EL		PAY PF	14-F ROG	Q10060-CE RAM (NE DNS
14-FQ10060-CEN TON METROPOLITAN AREA TRANSIT AUTHORITY FTRANSIT INFRASTRUCTURE GINERATIG SERVICES IN METROPOLITAN AREA TRANSIT AUTHORITY GINERATIG SERVICES GALLERY PLACE - EAST GALLERY PLACE - EAST	14-FQ10060-CEN TON METROPOLITAN AREA TRANSIT AUTHORITY FTRANSIT INFRASTRUCTURE SWEEDING SERVICES TRANSIT INFRASTRUCTURE SWEEDING SERVICES TRANSIT INFRASTRUCTURE SWEEDING SERVICES TRANSIT METROPOLITAN AREA TRANSIT AUTHORITY JOINT VENTURE JOINT VENTURE PANEL SCHEDULE	14-FQ10060-CEN TON METROPOLITAN AREA TRANSIT AUTHORITY FTRANSIT INFRASTRUCTURE SWEEDING SERVICES TRANSIT INFRASTRUCTURE SWEEDING SERVICES TRANSIT INFRASTRUCTURE SWEEDING SERVICES TRANSIT METROPOLITAN AREA TRANSIT AUTHORITY JOINT VENTURE JOINT VENTURE PANEL SCHEDULE		OF TRANSIT INFRASTRUCTURE			A Ga	s n e 1 t	Flemi	ng/Pa			N EL	GALLER	Y PLACE - I L SCHEDU	14-F ROG ATIC EAST	Q10060-CE RAM (NE DNS

	REFERENCE DRAWINGS	REVISIONS	WASHINGTON METROPOLITAN AREA TRANSIT AUTHORIT
DATE	NUMBER DESCRIPTION	DATE BY DESCRIPTION	
DRAWN <u>C. NGD</u> <u>07-14</u> DATE			DEPARTMENT OF TRANSIT INFRASTRUCTURE AND ENGINEERING SERVICES
CHECKED LIDILI 07-14 DATE			OFFICE OF INFRASTRUCTURE RENEWAL PROGRAM
APPROVED N/A DATE			
			PROJECT MANAGER

103	,
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2.4.1

- 1. ALL WORK, MATERIAL AND EQUIPMENT SHALL COMPLY WITH THE LATEST NATIONAL ELECTRICAL CODE BEING USED BY THE LOCAL JURISDICTION AND SHALL COMPLY WITH ALL LOCAL CODES AND ORDINANCES
- 2. MATERIALS AND EQUIPMENT SHALL BE NEW EXCEPT WHERE INDICATED OTHERWISE. ALL OTHER WIRING DEVICES, CONDUIT, WIRE, ETC. SHALL, BE NEW UNLESS NOTED OTHERWISE.
- 3. ALL MATERIALS AND EQUIPMENT SHALL BEAR U.L. LISTING.
- 4. MAINTAIN GROUNDING CONTINUITY TO ALL DEVICES AND EQUIPMENT IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE.
- 5. WORK NOT SPECIFICALLY SPECIFIED OR INDICATED SHALL CONFORM WITH SPECIFICATIONS.
- 6. ALL CONDUITS SHALL BE RUN CONCEALED IN UNDER FLOOR DUCT.
- 7. ALL WIRE AND CABLE SHALL BE COPPER HAVING 600 VOLTS XHHW-2 OR RHW-2 INSULATIONS. PROVIDE #12 WIRE MINIMUM, UNLESS OTHERWISE NOTED. ALL CABLES SHALL BE LOW SMOKE ZERO HALOGEN CABLE.
- 8. THE CONTRACTOR SHALL VISIT THE SITE AND EXAMINE THE CONDITION OF THE PREMISES AND THE CHARACTER AND EXTENT OF WORK REQUIRED PRIOR TO SUBMISSION OF BIDS.
- 9. ORTAIN ALL PERMITS AND PAY ALL FEES NECESSARY FOR INSPECTIONS. TESTS & OTHER SERVICES REQUIRED FOR THE COMPLETION OF THIS WORK
- 10. ALL WORK SHALL BE DONE AT SUCH TIMES AND IN SUCH A MANNER THAT WILL LEAST INTERFERE WITH THE MAINTENANCE AND OPERATION OF ALL RELATED OR AFFECTED SYSTEMS. COORDINATE ALL POWER OUTAGES WITH WMATA PROJECT MANAGER
- 11. IT IS THE INTENT OF THESE DRAWINGS AND OTHER RELATED DOCUMENTS TO PRODUCE A COMPLETE AND FUNCTIONING ELECTRICAL SYSTEM. PROVIDE ALL LABOR, MATERIAL AND OTHER SERVICES NECESSARY TO ACHIEVE THIS PRODUCT. NOTIFY THE ENGINEER OF ANY DISCREPANCIES IN THE PLANS & SPECIFICATIONS THAT WILL AFFECT THE WORK, PRIOR TO SUBMISSION OF THE BID PRICE.
- 12. IF, DURING THE COURSE OF THE WORK, THE CONTRACTOR EXPERIENCES A CONFLICT RELATIVE TO THE PLANS AND SPECIFICATIONS, THE NEC OR OTHER APPLICABLE CODES AND GOVERNING DOCUMENTS, HE SHALL NOTIFY THE ENGINEER FOR DIRECTION PRIOR TO EXECUTION OF THIS WORK. ANY WORK INSTALLED IN VIOLATION OF THE CONTRACT DOCUMENT OR APPLICABLE CODES WHICH COULD HAVE BEEN AVOIDED BY CONTACTING THE ENGINEER SHALL BE RECTIFIED AT NO ADDITIONAL COST
- 13. ELECTRICAL PLANS ARE DIAGRAMMATIC & INDICATE GENERAL ARRANGEMENT OF SYSTEMS AND WORK. CHECK DRAWINGS OF OTHER TRADES TO VERIFY SPACE CONDITIONS, ETC. MAINTAIN WORKING CLEARANCES.
- 14. CIRCUIT NUMBERS ARE FOR IDENTIFICATION PURPOSES ONLY. THE CONTRACTOR IS RESPONSIBLE FOR CORRECTLY PHASING THE CIRCUITS IN THE PANEL AND SHALL BALANCE THE LOAD ON THE PHASES UNDER NORMAL OPERATING CONDITIONS. PROVIDE TYPEWRITTEN PANELBOARD DIRECTORIES. BALANCE THE PHASE LOADS TO WITHIN 20 PERCENT OF EACH OTHER.

- 15. INCREASE ALL BRANCH CIRCUIT CONDUCTORS TO THE NEXT LARGER SIZE FROM THE PANEL TO THE FIRST OUTLET WHERE THE LENGTH OF THE HOMERUN EXCEEDS 100FT. ON 120/208V CIRCUITS.
- 15. PROVIDE A PULLWIRE OR FISHTAPE/CORD IN ALL EMPTY CONDUIT RUNS.
- 17. VERIFY WIRE SIZES, CIRCUIT BREAKERS AND FUSES RATINGS FOR ALL EQUIPMENT, AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES AFFECTING THE WORK PRIOR TO PROCEEDING.
- ALL PANELS IMPACTED BY THIS PROJECT SHALL BE PROVIDED WITH NEW, UPDATED TYPEWRITTEN PANEL SCHEDULES (FOR NEW AND EXISTING INDICATING THE FINAL ROOM NUMBER AND THE EQUIPMENT OR DEVICES SERVED BY THE CIRCUITS.
- 19. DEMOLITION OF EXISTING WORK SHALL BE PERFORMED AFTER HOURS. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE WMATA PROJECT MANAGER PRIOR TO PERFORMING ALL THE WORK. THE TIME OF DAY OR EVENING SHALL BE DESIGNATED BY THE WMATA PROJECT MANAGER.
- 20. ALL WIRING SHALL BE IN CONDUIT, MINIMUM SIZE 3/4 INCH WITH LARGER SIZES AS INDICATED OR REQUIRED BY NEC. ALL CONDUITS SHALL BE RIGID GALVANIZED STEEL THREADED COUPLING FOR COMPLETE WATER PROOF INSTALLATION.
- 21. AT JOB COMPLETION, AND BEFORE FINAL ACCEPTANCE BY WMATA, TEST EACH RECEPTACLE AND PANELBOARD FOR PROPER OPERATION. WIRING SHALL BE TESTED FOR CONTINUITY, SHORTS, ETC ... ALL WORK AREAS, ETC., SHALL BE CLEANED AT THE COMPLETION OF THIS PROJECT.
- 22. FOR DEVICE IDENTIFICATION, THE ELECTRICAL CONTRACTOR SHALL LABEL ALL PANELBOARDS, JUNCTION BOXES, ETC., TO INDICATE THE NAME. VOLTAGE, SERVING EQUIPMENT AND ITEM SERVED ETC ... LABELS FOR EMERGENCY CIRCUITS SHALL BE IN RED, NORMAL CIRCUITS SHALL BE IN BLACK. ALL DEVICES SHALL BE IDENTIFIED EITHER ON THE FACE OF THE COVERPLATE OR INSIDE PER WMATA PREFERENCE. ALL JUNCTION BOXES SHALL BE LABELED TO INDICATE THE CIRCUITS CONTAINED BY THE JUNCTION BOX.
- 23. THE CONTRACTOR SHALL UPDATE THE SCHEDULES OF ALL PANELBOARDS AFFECTED BY THIS PROJECT TO REFLECT CHANGES DUE TO THE PROJECT WORK. PANEL SCHEDULE LOAD DESCRIPTIONS ARE TO INCLUDE THE FINAL ROOM OR AREA NUMBERS.
- 24. INCLUDE GPR FOR ANY CORE DRILLS OR DRILLED PENETRATIONS IN ANY WALLS.
- 25. SEAL OFF ALL PENETRATIONS THRU WALLS/FLOORS.
- 26. THE CONTRACTOR SHALL BECOME FAMILIAR WITH WMATA DESIGN CRITERIA SECTION 4 AND SECTION 13; WMATA SPECIFICATION SECTION 16120. 16130, AND 16125. ALL INSTALLATION SHALL BE IN COMPLIANCE WITH THE NEC, WMATA DESIGN CRITERIA, AND SPECIFICATIONS.
- 27. THE CONTRACTOR SHALL IDENTIFY SPARE CIRCUIT WITH "RESERVED FOR AFC".
- 28. EXISTING SWITCHBOARDS, PANELBOARDS AND EQUIPMENT SHOWN IS BASED ON RECORD DRAWINGS AND CASUAL FIELD SURVEY. CONTRACTOR SHALL VERIFY ALL ELECTRICAL EQUIPMENT IN FIELD.
- 29. The conduit utilized for this project shall be 1-1/2" min, or larger as indicated. The liquid tight utilized for the kiosk shall be 1-1/2" from the entry to the 8x8 junction box, then 1" from the junction box to the quads. All boxes used in or on the kiosk shall be NEMA 4x

#### **ABBREVIATIONS**

A, AMP	AMPERES	NEC	NATIONAL ELECTRIC CODE
AC	ALTERNATING CURRENT	Р	POLE
AF	AMPERE FRAME	PH	PHASE
AFC	AUTOMATED FARE COLLECTION SYSTEM	PNL	PANELBOARD
AFF	ABOVE FINISHED FLOOR	PRI	PRIMARY
AIC	AMPERE INTERRUPTING CAPACITY	PROP	PROPOSED
AT	AMPERE TRIP	RGS	RIGID GALVANIZED STEEL
BKR	BREAKER	SEC	SECONDARY
с	CONDUIT	SHT	SHEET
CB	CIRCUIT BREAKER	SW	SWITCH
ССТ	CIRCUIT	SWBD	SWITCHBOARD
ç	CENTER LINE	TYP	TYPICAL
CLG	CEILING	U/G	UNDER GROUND
CONST	CONSTRUCTION	U.L.	UNDERWRITERS LABORATORIES
DISC	DISCONNECT	UON	UNLESS OTHERWISE NOTED
E	ELECTRICAL	VOLT	VOLTAGE
-		W	WATT
GND JB	GROUND JUNCTION BOX	WMATA	WASHINGTON METROPOLITIAN AREA TRANSIT AUTHORITY
KAIC	THOUSAND AMPERE INTERRUPTING CAPACITY	WP	WEATHERPROOF
KCMIL	THOUSAND CIRCULAR MILL		
KVA	KILOVOLT AMPERE		
MAX	MAXIMUM		
MCA	MINIMUM CIRCUIT AMPERE		
мсв	MAIN CIRCUIT BREAKER		
MEZZ	MEZZANINE		
MIN	MINIMUM		
MLO	MAIN LUGS ONLY		

	REFERENCE DRAWINGS	REVISIONS	WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY
DESIGNED C. NGO 07-14 DATE	NUMBER DESCRIPTION	DATE BY DESCRIPTION	WASHINGTON METROPOLITAN AREA TRANSIT AUTHORIT
DRAWN C. NGO 07-14 DATE			DEPARTMENT OF TAANSIT NFRASTRUCTURE
CHECKED B. IDILBI 07-14			AND ENGINEE ANG SERVICES
APPROVED N/A			OFFICE OF INFRASTRUCTURE RENEWAL PROGRAM
DATE			APPROVED SUBMITTED
DATE			APPROVED SUBMITTED

### DRAWING INDEX

B02-E-001	ABBREVIATIONS, DRAWING INDEX, SPECIFICATIONS & SYMBOL LIST
B02-E-101	JUDICIARY SQUARE EAST & WEST - MEZZANINE KIOSK - POWER
B02-E-102	JUDICIARY SQUARE EAST & WEST - PANEL SCHEDULES
802-E-301	JUDICIARY SQUARE EAST & WEST - PANELBOARD IMAGE
B02-E-302	JUDICIARY SQUARE EAST & WEST - PANELBOARD IMAGE
MM-8-E08	JUDICIARY SQUARE - AC POWER ONE LINE DIAGRAM

## ELECTRICAL SYMBOL LIST

<del>क</del> ी जि	QUADRUPLEX RECEPTACLE OUTLET- 20A, 125V WALL MOUNTED, JUNCTION BOX ~ SURFACE MOUNTED ON UNISTRUT CHANNEL
	CONDUIT - CONCEALED IN UNDER FLOOR DUCT U.O.N.
10-3/4 EF 3,5	$\begin{array}{llllllllllllllllllllllllllllllllllll$

14-FQ10060-CENI-24 NEW ELECTRONIC PAY PROGRAM (NEPP) IN METRORAIL STATIONS n s ABBREVIATIONS, DRAWING INDEX, SPECIFICATIONS & SYMBOL LIST SCALE NOT TO SCALE B02-E-001

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<ol> <li>VERIFY WITH WAATA PERSONNEL FOR LOCATION OF RECEPTACLES &amp; JUNCTION BOXES.</li> <li>AT AVAILABLE CIRCUIT BREAKER SPACE FOR CIRCUIT #33, #35 &amp; #37, NEW CB SHALL MATCH EXISTING CB IN EXISTING PARLE "FT", CONNECT NEW CIRCUITS BREAKERS. SEE PANEL SCHEDULE ON DWG. A01-E-102.</li> <li>CONNECT CIRCUIT #25, #27 &amp; #29 TO EXISTING 20A, 1P SPARE CIRCUIT BREAKERS IN THE EXISTING PANEL "WFT", SEE PANEL SCHEDULE ON DWG. A01-E-102.</li> <li>CONNECT CIRCUIT #25, #27 &amp; #29 TO EXISTING 20A, 1P SPARE CIRCUIT BREAKERS IN THE EXISTING PANEL "WFT", SEE PANEL SCHEDULE ON DWG. A01-E-102.</li> <li>PROVIDE A ROUGH-IN CIRCUIT FOR FUTURE AFC FARE GATE COLED AT THE KIOSK. THE LENGTH OF COLED PIGTAL SHALL BE THE FARTHEST FARE GATE DISTANCE FROM KIOSK PLUS AN EXTRA 6'0" CONDUCTOR.</li> <li>SAFETY PRECAUTION:</li> <li>ALL WORK SHALL COMPLY WITH WMATA SAFETY RULES, AND DE-ENERGIZATION POLICIES.</li> </ol>		
<ul> <li>4. CONNECT CIRCUIT #25, #27 &amp; #29 TO EXISTING 20A, 1P SPARE CIRCUIT BREAKERS IN THE EXISTING PAREL "WFF", SEE PANEL SCHEDULE ON DWG. A01-E-102.</li> <li>5. PROVIDE A ROUGH-IN CIRCUIT FOR FUTURE AFC FARE GATE COLED AT THE KIOSK. THE LENGTH OF COLED PICTAIL SHALL BE THE FARTHEST FARE GATE DISTANCE FROM KIOSK PLUS AN EXTRA 6'0" CONDUCTOR.</li> <li><u>SAFETY PRECAUTION:</u></li> <li>1. ALL WORK SHALL COMPLY WITH WMATA SAFETY RULES, AND DE-ENERGIZATION POLICIES.</li> </ul>		
THE LENGTH OF COLLED PIGTAIL SHALL BE THE FARTHEST FARE GATE DISTANCE FROM KIOSK PLUS AN EXTRA 6'0" CONDUCTOR.  SAFETY PRECAUTION:  ALL WORK SHALL COMPLY WITH WMATA SAFETY RULES, AND DE-ENERGIZATION POLICIES.		
1. ALL WORK SHALL COMPLY WITH WMATA SAFETY RULES, AND DE-ENERGIZATION POLICIES.		
	6-1/C #10 + 1#10 GND. IN 1-1/2" c (APPROX. DISTANCE TO PANEL "AFCE" 85"-0")	/C #10 + 1#10 GND. IN 1-1/2" C
	(NOTE 3&5) <u>AFCE</u> (NOTE 3&5) <u>33,36,37</u> (NOTE 2) (NOTE 2) (NOTE 2)	NEPP COMPUTER (NOTE 2)
	T EQUIPMENT (NOTE 2)	IT EQUIPMENT (NOTE 2)
	7	
	A	
CONTRACT NO. 14-FQ10060-CENI-24	EAST MEZZANINE KIOSK - POWER SCALE: 1/4" = 1'- 0"	WEST MEZZANINE KIOSK - POWER SCALE: 1/4" = 1'- 0"

	EXISTING PANEL "AFCW"													E	XIST	ING	PAN	IEL "/	\FCI		
AMPERES 225		VOLTS	120/208		MOUI	ITING	SURFA	ACE .					AMPERES: 225	VOLTS:	120/208		MOUN	TING	SURFAC	E	•
MAINS: 225A h	-	PHASE				TION		EQUIP	MENT RO	OM 205			MAINS: 225A MLO	PHASE			LOCA		MECHA	IICAL E	C
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			СКТ В		CKT		CKT	·	T BKRS							BKRS	CKT		СКТ	CKT	-
LOAD DES		KVA		POLE	NO;		NO:	POLE		KVA	LOAD DESCRIPTION		LOAD DESCRIPTION	KVA	AMP	POLE	NO		NO	POLE	
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SPARE		0.0	20	1	5	- C		1	20	0.8	EXISTING VENDOR		SPACE	0.0	-	-	5	(	1	-	
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RECEPTACLES, F RECEPTACLES MISC. APPLIANCES LARGEST MOTOF MOTORS HEAT AC WATER HEATING TOTAL CONNECT	S R		10.0 5.6 0.0 0.0 0.0 3.0 4.5 0.0 <b>23.1</b>	x 1259 x 1009 x 50% x 1009 x 1259 x 1009 x 1259 x 1009 x 1259 KVA		тот	AL DEN	IAND K		10.0 2.8 0.0 0.0 3.8 4.5 0.0 21.1	KVA KVA KVA KVA KVA KVA KVA KVA KVA		LIGHTS RECEPTACLES, FIRST 10 KVA RECEPTACLES MISC, APPLIANCES LARGEST MOTOR MOTORS HEAT AC WATER HEATING TOTAL CONNECTED LOAD CONNECTED LOAD PHASE SUMMA		0.0 100 84 0.0 0.0 0.0 0.0 0.0 18.4	0 x 1259 x 1009 x 50% 0 x 1009 0 x 1259 0 x 1259 0 x 1259 0 x 1259 0 x 1259 1 x 1009 1 x 1259 1 x 1259 1 x 1009 1 x 1009	<b>DAD</b> 6 6 6 6	) SUI	'AL DEMA	ND KV/	
RECEPTACLES, F RECEPTACLES MISC APPLIANCES LARGEST MOTOF MOTORS HEAT AC WATER HEATING TOTAL CONNECT CONNECTED LOA PHASE A:	S R TED LOAD		10.0 5.6 0.0 0.0 0.0 3.0 4.5 0.0 <b>23.1</b> 8.5	x 1259 x 1009 x 1009 x 1009 x 1259 x 1009 x 1259 x 1009 x 1259 x 1009 x 1259 x 1009 x 1259 x 1009 x 1259 x 1009		тот	AL DEN	IAND K		10.0 2.8 0.0 0.0 3.8 4.5 0.0 21.1	KVA KVA KVA KVA KVA KVA KVA KVA KVA		LIGHTS RECEPTACLES, FIRST 10 KVA RECEPTACLES MISC, APPLIANCES LARGEST MOTOR MOTORS HEAT AC WATER HEATING TOTAL CONNECTED LOAD CONNECTED LOAD PHASE SUMMA PHASE A		0.0 100 84 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.	0 x 1259 x 1009 4 x 50% 0 x 1009 0 x 1259 0 x 1259 0 x 1259 0 x 1259 0 x 1259 1 x 1009 1 x 1259 1 x 1259	<b>DAD</b> 6 6 6 6	) SUI	'AL DEMA	ND KV/	
RECEPTACLES, F RECEPTACLES MISC APPLANCE: LARGEST MOTOR MOTORS HEAT AC WATER HEATING TOTAL CONNECT CONNECTED LOA PHASE A: PHASE B:	S R TED LOAD	- - - - - - - - - - - - - - - - - - -	10.0 5.6 0.0 0.0 3.0 4.5 0.0 23.1 8.5 8.1	x 1259 x 1009 x 1009 x 1259 x 1009 x 1259 x 1009 x 1259 x 1009 x 1259 kVA kVA		тот	AL DEN	IAND K		10.0 2.8 0.0 0.0 3.8 4.5 0.0 21.1	KVA KVA KVA KVA KVA KVA KVA KVA KVA		LIGHTS RECEPTACLES, FIRST 10 KVA RECEPTACLES MISC APPLIANCES LARGEST MOTOR MOTORS HEAT AC WATER HEATING TOTAL CONNECTED LOAD CONNECTED LOAD PHASE SUMMA PHASE A PHASE B:		0.0 100 84 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.	0 x 1259 x 1009 4 x 50% 0 x 1009 0 x 1259 0 x 1259 0 x 1259 0 x 1259 0 x 1259 1 x 1009 0 x 1259 1 x 1009 1 x 1259 1 x 1259	<b>DAD</b> 6 6 6 6	) SUI	'AL DEMA	ND KV/	
RECEPTACLES, F RECEPTACLES MISC APPLIANCE LARGEST MOTOF MOTORS HEAT AC WATER HEATING TOTAL CONNECT CONNECTED LOA PHASE A: PHASE B: PHASE C	s R Ted Load Ad Phase Summa		10.0 5.6 0.0 0.0 3.0 4.5 0.0 23.1 8.5 8.1 7.3	x 1259 x 1009 x 1009 x 1259 x 1009 x 1009 x 1259 x 1009 x 1000 x 1000 x 1000 x 1000 x 1000 x 1000 x 1000 x 1000 x 1000 x	6 6 6 6 6	TOT TOT	AL DEN AL DEN	IAND K	MPS	10.0 2.8 0.0 0.0 3.8 4.5 0.0 21.1 58.5	KVA KVA KVA KVA KVA KVA KVA KVA KVA		LIGHTS RECEPTACLES, FIRST 10 KVA RECEPTACLES MISC, APPLIANCES LARGEST MOTOR MOTORS HEAT AC WATER HEATING TOTAL CONNECTED LOAD CONNECTED LOAD PHASE SUMMA PHASE A PHASE B: PHASE C:	ARY	0.0 100 84 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.	0 × 1259 0 × 1009 4 × 50% 0 × 1009 0 × 1259 0 × 1009 0 × 1259 0 × 1009 0 × 1259 1 × 1009 0 × 1259 1 × 1009 0 × 1259 1 × 1009 0 × 1259 1 × 1009 1 × 1259 1 × 1009 1 × 1259 1 × 1009 1 × 1259 1 × 104 1 × 10	0AD 6 6 6 6 6 6 6	) SUI	TAL DEMA	ND KVA	
RECEPTACLES, F RECEPTACLES MISC APPLANCE: LARGEST MOTOF MOTORS HEAT AC WATER HEATING TOTAL CONNECT CONNECTED LOA PHASE A: PHASE B: PHASE C NOTES; A. E	S R TED LOAD AD PHASE SUMMA XISTING PANEL "AF	FOW" IS F	10.0 5.6 0.0 0.0 3.0 4.5 0.0 23.1 8.5 8.1 7.3 *ED FROM	x 1259 x 1009 x 50% x 1259 x 1009 x 1259 x 1259 x 1270 x 1	б б б б б б б б б б б б б б б б б б б	тот тот 3ø, 4₩	AL DEM AL DEM	IAND K IAND A	imps :Hboard '	10.0 2.8 0.0 0.0 3.8 4.5 0.0 21.1 58.5	KVA KVA KVA KVA KVA KVA KVA KVA KVA		LIGHTS RECEPTACLES, FIRST 10 KVA RECEPTACLES MISC. APPLIANCES LARGEST MOTOR MOTORS HEAT AC WATER HEATING TOTAL CONNECTED LOAD CONNECTED LOAD PHASE SUMMA PHASE A. PHASE B: PHASE C: NOTES: A. EXISTING PANEL "AFI	ARY CET IS FE	0.0 100 0.0 0.0 0.0 0.0 18.4 5.0 7.2 D FROM	2 × 1259 × 1009 × 50% × 50% × 1009 × 1259 × 707 ×	0AC 6 6 6 6 6 6	TO' TO'	AL DEMA	ND KV	
RECEPTACLES, F RECEPTACLES MISC. APPLIANCE LARGEST MOTOF MOTORS HEAT AC WATER HEATING TOTAL CONNECT CONNECTED LOA PHASE A: PHASE B: PHASE C: NOTES; A. E (1)	S R TED LOAD AD PHASE SUMMA XISTING PANEL "AF B02-WB-04) #4	FCW" IS F 100A/3P	10.0 5.6 0.0 0.0 3.0 23.1 8.5 8.1 7.3 ED FROM VIA 75K0	x 125% x 100% x 50% x 125% x 100% x 1	6 6 6 6 6 6 6 6 6 6 8 8 8 8 8 8 8 8 8 8	тот тот 3ø, 4₩	AL DEM AL DEM	IAND K IAND A	imps :Hboard '	10.0 2.8 0.0 0.0 3.8 4.5 0.0 21.1 58.5	KVA KVA KVA KVA KVA KVA KVA KVA KVA		LIGHTS RECEPTACLES, FIRST 10 KVA RECEPTACLES MISC. APPLIANCES LARGEST MOTOR MOTORS HEAT AC WATER HEATING TOTAL CONNECTED LOAD CONNECTED LOAD PHASE SUMM/ PHASE A: PHASE B: PHASE C: NOTES: A. EXISTING PANEL "AFI (B02-EB-04) #4-1	ARY CET IS FE	0.0 10.0 0.0 0.0 0.0 0.0 0.0 0.0	2 × 1259 2 × 1009 4 × 50% 2 × 1009 2 × 1259 2 × 1009 2 × 1259 2 × 1009 2 × 1259 3 × 1009 2 × 1259 4 × 50% 5 × 1009 2 × 1259 5 × 1009 2 × 1259 5 × 1009 2 × 1259 5 × 1009 2 × 1259 5 × 1009 2 × 1009 2 × 1259 5 × 1009 2 × 1259 5 × 1009 2 × 1259 5 × 1009 2 × 1259 5 × 1009 5 × 100	0AD 6 6 6 6 6 6 6 6 6 6 6 6 6 6 7 7 8 7 8 7	TO' TO'	AL DEMA	ND KV	F
RECEPTACLES, F RECEPTACLES MISC. APPLIANCES LARGEST MOTOF MOTORS HEAT AC WAT ER HEAT ING TOTAL CONNECT CONNECTED LOA PHASE A: PHASE B: PHASE C: NOTES; A. E (1)	S R TED LOAD AD PHASE SUMMA B02-WB-04) #4	FCW" IS F 100A/3P 10 From 1 Viring Fil	10.0 5.6 0.0 0.0 0.0 3.0 4.5 0.0 23.1 8.5 8.1 7.3 ED FROM VA 75K/ TOP OF I L >40%)	x 125% x 100% x 100% x 125% x 100% x	6 6 6 6 6 6 6 6 6 6 8 8 8 8 8 8 8 8 8 8	тот тот 3ø, 4₩	AL DEM AL DEM	IAND K IAND A	imps :Hboard '	10.0 2.8 0.0 0.0 3.8 4.5 0.0 21.1 58.5	KVA KVA KVA KVA KVA KVA KVA KVA KVA		LIGHTS RECEPTACLES, FIRST 10 KVA RECEPTACLES MISC. APPLIANCES LARGEST MOTOR MOTORS HEAT AC WATER HEATING TOTAL CONNECTED LOAD CONNECTED LOAD PHASE SUMMA PHASE A. PHASE B: PHASE C: NOTES: A. EXISTING PANEL "AFI	ARY CE" IS FE 004/3P \ ) FROM T	0.0 100 0.0 0.0 0.0 0.0 0.0 0.0	2 × 1259 2 × 1009 4 × 50% 2 × 1009 2 × 1259 2 × 1009 2 × 1259 2 × 1009 2 × 1259 3 × 1009 2 × 1259 4 × 50% 5 × 1009 2 × 1259 5 × 1009 2 × 1259 5 × 1009 2 × 1259 5 × 1009 2 × 1259 5 × 1009 2 × 1009 2 × 1259 5 × 1009 2 × 1259 5 × 1009 2 × 1259 5 × 1009 2 × 1259 5 × 1009 5 × 100	0AD 6 6 6 6 6 6 6 6 6 6 6 6 6 6 7 7 8 7 8 7	TO' TO'	AL DEMA	ND KV	F
RECEPTACLES, F RECEPTACLES MISC. APPLANCE LARGEST MOTOF MOTORS HEAT AC WATER HEATING TOTAL CONNECT CONNECTED LOA PHASE A: PHASE B: PHASE B: PHASE C: NOTES; A. E (( B. E)	S R TED LOAD AD PHASE SUMMA XISTING PANEL "AF B02-WB-04) #4 XISTING WIRING FE 0 1-1/2" C. (W 0 1-3/4" C. (W)	FCW" IS F 100a/3p 10 From 1 Viring Fill Viring Fill	10.0 56 0.0 0.0 3.0 4.5 0.0 23.1 8.5 8.1 7.3 ED FROM VIA 75K TOP OF 1 L >407 L >407	x 1255 x 1005 x 1007 x 1257 x 1007 x 1257 x 1007 x 1255 x 1007 x 1255 x 1007 x 1255 x 1007 x 1255 x 1007 x 1255 x 1007 x 1257 x 107 x 1257 x 1257 x 107 x 1257 x 1257 x 107 x 1257 x 1257	% % % % % % % % % % % % % % % % % % %	TOT TOT 30, 4W MER (SEI	AL DEM AL DEM	IAND K IAND A	imps :Hboard '	10.0 2.8 0.0 0.0 3.8 4.5 0.0 21.1 58.5	KVA KVA KVA KVA KVA KVA KVA KVA KVA		LIGHTS RECEPTACLES, FIRST 10 KVA RECEPTACLES MISC, APPLANCES LARGEST MOTOR MOTORS HEAT AC WATER HEATING TOTAL CONNECTED LOAD CONNECTED LOAD PHASE SUMM/ PHASE A: PHASE B: PHASE C: NOTES: A. EXISTING PANEL "AFI (B02-E9-04) #4-11 B. EXISTING WIRING FED • 3-1/2" C. (M EXISTING WIRING FED	ARY CE" IS FE 00A/3P V ) FROM FL ) FROM E	0.0 100 84 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.	) × 1259 ) × 1259 ) × 1009 4 × 50% ) × 1009 ) × 1259 ) × 1009 ) × 10	0AD 6 6 6 6 6 6 6 6 6 6 6 6 7 7 7 1 1 8 7 1 1 8 7 1 1 1 1 1 1 1 1 1	) SU TO TO TO R (SEE	TAL DEMA TAL DEMA ISTING SW ATTACHED	ND KVA ND AM TTCHBO DWG. 1	
RECEPTACLES, F RECEPTACLES MISC APPLIANCE LARGEST MOTOF MOTORS HEAT AC WATER HEATING TOTAL CONNECT CONNECTED LOA PHASE A: PHASE B: PHASE C: NOTES; A. E (( B. E)	S R TED LOAD AD PHASE SUMMA XISTING PANEL "AF B02-WB-04} #4 XISTING WIRING FE • 1-1/2" C. (W • 1-3/4" C. (W XISTING FRING FE	FCW" IS F 100A/3P 10 FROM 1 VIRING FRU VIRING FRU 10 FROM 1	10.0 5.6 0.0 0.0 3.0 4.5 0.0 23.1 8.5 8.1 7.3 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5	x 125% x 100% x 100% x 125% x 100% x 100% x 125% x 100% x	% % % % % 480V, % % 8 % 8 7: 8 7: 8 8 7:	TOT TOT 3ø, 4₩ MER (SEI	AL DEM AL DEM	IAND K IAND A	imps :Hboard '	10.0 2.8 0.0 0.0 3.8 4.5 0.0 21.1 58.5	KVA KVA KVA KVA KVA KVA KVA KVA KVA		LIGHTS RECEPTACLES, FIRST 10 KVA RECEPTACLES MISC. APPLIANCES LARGEST MOTOR MOTORS HEAT AC WATER HEATING TOTAL CONNECTED LOAD CONNECTED LOAD PHASE SUMM/ PHASE A. PHASE B: PHASE B: PHASE C: NOTES: A. EXISTING WIRING FED • 3-1/2" C. (WI EXISTING WIRING FED • 1-5"x 12" WIR	ARY CE" IS FE DOA/3P \ I FROM T RING FILL I FROM E E TROUG	0.0 100 0.0 0.0 0.0 0.0 0.0 0.0	) x 1259 1 x 1259 1 x 1009 1 x 50% 1 x 1009 1 x 1259 1 x 125	0AC 6 6 6 6 6 6 6 6 6 7 7 7 1 8 7 8 7 8 7 8 7 8 7 8 8 7 8 7 8	TO' TO' TO'	TAL DEMA TAL DEMA ISTING SW ATTACHED	ND KVA ND AM TTCHBO DWG. 1	
RECEPTACLES, F RECEPTACLES MISC APPLIANCES LARGEST MOTOR MOTORS HEAT AC WATER HEATING TOTAL CONNECT CONNECTED LOA PHASE A: PHASE B: PHASE D: PHASE C: NOTES; A. E (( B. E)	S R TED LOAD AD PHASE SUMMA XISTING PANEL "AF B02-WB-04) #4 XISTING WIRING FE 0 1-1/2" C. (W 0 1-3/4" C. (W)	FCW <sup>®</sup> IS F 100A/3P 10 FROM <sup>1</sup> VIRING FIL VIRING FIL 10 FROM I FRANSFORM	10.0 5.6 0.0 0.0 3.0 4.5 0.0 23.1 8.5 8.1 7.3 ED FROM VIA 75K0 TOP OF I L >403) L >403) L >403	x 125 x 100 x 50% x 100 x 125 x 125	% % % % % 480V, % NSFORI BY: EL BY:	101 101 3#, 4W WER (SEI 12).	AL DEM AL DEM	IAND K IAND A	imps :Hboard '	10.0 2.8 0.0 0.0 3.8 4.5 0.0 21.1 58.5	KVA KVA KVA KVA KVA KVA KVA KVA KVA		LIGHTS RECEPTACLES, FIRST 10 KVA RECEPTACLES MISC, APPLANCES LARGEST MOTOR MOTORS HEAT AC WATER HEATING TOTAL CONNECTED LOAD CONNECTED LOAD PHASE SUMM/ PHASE A: PHASE B: PHASE C: NOTES: A. EXISTING PANEL "AFI (B02-E9-04) #4-11 B. EXISTING WIRING FED • 3-1/2" C. (M EXISTING WIRING FED	ARY CE" IS FE 004/3P \ FROM T RING FLL FROM E TROUG FROM R	0.0 100 0.0 0.0 0.0 0.0 0.0 0.0	) x 1259 4 x 1259 4 x 1009 5 x 1009 5 x 1259 5 x 12	0AC 6 6 6 6 6 6 6 6 6 7 7 7 1 8 7 8 7 8 7 8 7 8 7 8 8 7 8 7 8	TO' TO' TO'	TAL DEMA TAL DEMA ISTING SW ATTACHED	ND KVA ND AM TTCHBO DWG. 1	V
RECEPTACLES, F RECEPTACLES MISC APPLIANCES LARGEST MOTOR MOTORS HEAT AC WATER HEATING TOTAL CONNECT CONNECTED LOA PHASE A: PHASE B: PHASE C: NOTES; A. E (( B. E)	S R TED LOAD AD PHASE SUMMA XISTING PANEL "AF B02-WB-04) #4 XISTING WIRING FE • 1-1/2" C. (W XISTING WIRING FE • 1-4" C. TO T	FCW® IS F 100a/3p 10 From 1 Viring Fill Viring Fill 10 From 1 From 1 10 From 1	10.0 5.6 0.0 0.0 3.0 4.5 0.0 23.1 8.5 8.1 7.3 ED FROM VIA 75K TOP OF 1 L >40%) L >40% SID FOM M MER (WRER (SII	x 125( x 100) x 50% x 100) x 125( x 1	% % % % % 480V, % NSFORI BY: EL BY:	101 101 3#, 4W WER (SEI 12).	AL DEM AL DEM	IAND K IAND A	imps :Hboard '	10.0 2.8 0.0 0.0 3.8 4.5 0.0 21.1 58.5	KVA KVA KVA KVA KVA KVA KVA KVA KVA		LIGHTS RECEPTACLES, FIRST 10 KVA RECEPTACLES MISC, APPLIANCES LARGEST MOTOR MOTORS HEAT AC WATER HEATING TOTAL CONNECTED LOAD CONNECTED LOAD PHASE SUMM/ PHASE A: PHASE B: PHASE C: NOTES: A. EXISTING PANEL "AFI (B02-EB-04) #4-11 B. EXISTING WIRING FED • 3-1/2" C. (MI EXISTING WIRING FED • 1-6"x 12" WIR	ARY CE" IS FE 004/3P \ FROM T RING FLL FROM E TROUG FROM R	0.0 100 0.0 0.0 0.0 0.0 0.0 0.0	) x 1259 4 x 1259 4 x 1009 5 x 1009 5 x 1259 5 x 12	0AC 6 6 6 6 6 6 6 6 6 7 7 7 1 8 7 8 7 8 7 8 7 8 7 8 8 7 8 7 8	TO' TO' TO'	TAL DEMA TAL DEMA ISTING SW ATTACHED	ND KVA ND AM TTCHBO DWG. 1	
RECEPTACLES, FI RECEPTACLES MISC. APPLIANCES LARGEST MOTOR MOTORS HEAT AC WATER HEATING TOTAL CONNECT CONNECTED LOA PHASE A: PHASE B: PHASE B: PHASE C: NOTES; A. E (( B. E)	S R TED LOAD AD PHASE SUMMA XISTING PANEL "AF B02-WB-04) #4 XISTING WIRING FE • 1-1/2" C. (W XISTING WIRING FE • 1-4" C. TO T XISTING WIRING FE • 2-1 3/2" C.	FCW® IS F 100a/3p 10 From 1 Viring Fill Viring Fill 10 From 1 From 1 10 From 1	10.0 5.6 0.0 0.0 3.0 4.5 0.0 23.1 8.5 8.1 7.3 ED FROM VIA 75KV TOP OF I L >403) L >403 MER (WR RIGHT SII FILL >40	x 125 x 100 x 50% x 100 x 125 x 100 x 105 x 105 x 100 x 105 x 105	% % % % % 480V, % NSFORI BY: EL BY:	101 101 3#, 4W WER (SEI 12).	AL DEM AL DEM	IAND K IAND A	imps :Hboard '	10.0 2.8 0.0 3.8 4.5 21.1 58.5 **********************************	KVA KVA KVA KVA KVA KVA KVA KVA KVA		LIGHTS RECEPTACLES, FIRST 10 KVA RECEPTACLES MISC, APPLIANCES LARGEST MOTOR MOTORS HEAT AC WATER HEATING TOTAL CONNECTED LOAD CONNECTED LOAD PHASE SUMM/ PHASE A PHASE B: PHASE C: NOTES: A. EXISTING PANEL "AFI (B02-EB-04)	ARY CE" IS FE 004/3P \ FROM T RING FILL FROM R E TROUG FROM R (WIRING F	0.0 10.0 0.0 0.0 0.0 0.0 0.0 0.0	) x 1259 3 x 1009 4 x 50% 3 x 1009 3 x 1259 3 x 1009 3 x 1259 3 x 1259 4 KVA 8 KVA 8 KVA 2 KVA 2 77/48 4 KVA 1 RANEL B 1 F PANEL B 1 F PA	0AC 6 6 6 6 6 6 6 6 6 6 6 6 6 7 7 7 7 7 7	TO' TO' R (SEE	TAL DEMA TAL DEMA KISTING SW ATTACHED WIRING FIL	ND KV/ ND AM TTCHBO, DWG, N L >40?	
RECEPTACLES, F RECEPTACLES MISC. APPLANCE LARGEST MOTOR MOTORS HEAT AC WATER HEATING TOTAL CONNECT CONNECTED LOA PHASE A: PHASE B: PHASE B: PHASE C NOTES; A. E (( B. E	S R TED LOAD AD PHASE SUMMA XISTING PANEL "AF B02-WB-04) #4 XISTING WIRING FE • 1-1/2" C. (W XISTING WIRING FE • 1-4" C. TO T XISTING WIRING FE • 2-1 3/2" C.	FCW" IS F 100A/3P 10 FROM 1 VIRING FIL VIRING FIL D FROM I (WIRING I (WIRING I RENCE D	10.0 5.6 0.0 0.0 3.0 4.5 0.0 23.1 8.5 8.1 7.3 ED FROM VIA 75KV TOP OF I L >403) L >403 MER (WR RIGHT SII FILL >40	x 125 x 100 x 50% x 100 x 125 x 100 x 105 x 105 x 100 x 105 x 105	% % % % % 480V, % NSFORI BY: EL BY:	тот тот 3#, 4₩ MER (SEI 12), Вү:	AL DEM AL DEM	IAND K IAND A S SWITC HED DY	HBOARD '	10.0 2.8 0.0 3.8 4.5 21.1 58.5 **********************************	KVA KVA KVA KVA KVA KVA KVA AMPS	WASHINGTO	LIGHTS RECEPTACLES, FIRST 10 KVA RECEPTACLES MISC APPLANCES LARGEST MOTOR MOTORS HEAT AC WATER HEATING TOTAL CONNECTED LOAD CONNECTED LOAD PHASE SUMM/ PHASE A PHASE B: PHASE C: NOTES: A. EXISTING PANEL "AFF (B02-EB-04) #4-1 B. EXISTING WIRING FED • 3-1/2" C. (WI EXISTING WIRING FED • 2-1 1/2" C. (CONNECTED CONNECTED CONNECTED CONNECTED CONTENT PLASE A PHASE C: NOTES: A. EXISTING PANEL "AFF (B02-EB-04) #4-1 B. EXISTING WIRING FED • 1-6"x 12" WIR EXISTING WIRING FED • 2-1 1/2" C. (CONNECTED CONTENT PLASE A CONNECTED CONTENT • 2-1 1/2" C. (CONNECTED C	ARY CE" IS FE 004/3P \ FROM T RING FILL FROM R E TROUG FROM R (WIRING F	0.0 10.0 0.0 0.0 0.0 0.0 0.0 0.0	) x 1259 3 x 1009 4 x 50% 3 x 1009 3 x 1259 3 x 1009 3 x 1259 3 x 1259 4 KVA 8 KVA 8 KVA 2 KVA 2 77/48 4 KVA 1 RANEL B 1 F PANEL B 1 F PA	0AC 6 6 6 6 6 6 6 6 6 6 6 6 6 7 7 7 7 7 7	TO' TO' R (SEE	TAL DEMA TAL DEMA KISTING SW ATTACHED WIRING FIL	ND KVA ND AM TTCHBO DWG. 1	
RECEPTACLES, F RECEPTACLES MISC. APPLANCE LARGEST MOTOF MOTORS HEAT AC WATER HEAT ING TOTAL CONNECT CONNECTED LOA PHASE A: PHASE B: PHASE B: PHASE C NOTES; A. E (( B. E E E	S R TED LOAD AD PHASE SUMMA XISTING PANEL "AF B02-WB-04) #4 XISTING WIRING FE 0 1-1/2" C. (W XISTING WIRING FE 0 1-4" C. TO T XISTING WIRING FE 0 2-1 1/2" C. REFE	FCW" IS F 100A/3P 10 FROM 1 VIRING FIL VIRING FIL D FROM I (WIRING I (WIRING I RENCE D	10.0 5.6 0.0 0.0 3.0 4.5 0.0 23.1 8.5 8.1 7.3 ED FROM VIA 75K TOP OF 1 L >40%) L >40% VIA 75K TOP OF 1 L >40% RIGHT SII FILL >40 RAVVING	x 125 x 100 x 50% x 100 x 125 x 100 x 105 x 105 x 100 x 105 x 105	% % % % % 480V, % NSFORI BY: EL BY:	тот тот 3#, 4₩ MER (SEI 12), Вү:	AL DEM AL DEM Existing 2 Attaci	IAND K IAND A S SWITC HED DY	HBOARD '	10.0 2.8 0.0 0.0 3.8 4.5 0.0 21.1 58.5 WB" LOC -EOB).	KVA KVA KVA KVA KVA KVA KVA AMPS	WASHINGT( DEPARTMENT OF T	LIGHTS RECEPTACLES, FIRST 10 KVA RECEPTACLES MISC APPLIANCES LARGEST MOTOR MOTORS HEAT AC WATER HEATING TOTAL CONNECTED LOAD CONNECTED LOAD PHASE SUMMA PHASE A: PHASE B: PHASE C: NOTES: A. EXISTING PANEL "AFF (B02-EB-04) #4-11 B. EXISTING WIRING FED • 3-1/2" C. (M EXISTING WIRING FED • 1-6"x 12" WIR EXISTING WIRING FED • 2-1 1/2" C.	ARY CE" IS FE 004/3P \ FROM T RING FILL FROM R E TROUG FROM R (WIRING F	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	) × 1259 ) × 1259 ) × 1009 4 × 50% ) × 1009 ) × 1259 ) × 1009 ) × 1009 ) × 1059 ) × 105	0AD 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	TO' TO' TO' TO' TO' TO' TO' TO' TO' TO'	TAL DEMA TAL DEMA ATTACHED WIRING FIL	ND KVA ND AM TTCHBO DWG. N L >409	
RECEPTACLES, F RECEPTACLES MISC. APPLANCE LARGEST MOTOF MOTORS HEAT AC WATER HEATING TOTAL CONNECT CONNECTED LOA PHASE A: PHASE B: PHASE B: PHASE C NOTES; A. E (I B. E E E E	S R TED LOAD AD PHASE SUMMA XISTING PANEL "AF B02-WB-04) #4 XISTING WIRING FE 0 1-1/2" C. (W XISTING WIRING FE 0 1-4" C. TO T XISTING WIRING FE 0 2-1 1/2" C. REFE	FCW" IS F 100A/3P 10 FROM 1 VIRING FIL VIRING FIL D FROM I (WIRING I (WIRING I RENCE D	10.0 5.6 0.0 0.0 3.0 4.5 0.0 23.1 8.5 8.1 7.3 ED FROM VIA 75K TOP OF 1 L >40%) L >40% VIA 75K TOP OF 1 L >40% RIGHT SII FILL >40 RAVVING	x 125 x 100 x 50% x 100 x 125 x 100 x 105 x 105 x 100 x 105 x 105	% % % % % 480V, % NSFORI BY: EL BY	тот тот 3#, 4₩ MER (SEI 12), Вү:	AL DEM AL DEM Existing 2 Attaci	IAND K IAND A S SWITC HED DY	HBOARD '	10.0 2.8 0.0 0.0 3.8 4.5 0.0 21.1 58.5 WB" LOC -EOB).	KVA KVA KVA KVA KVA KVA KVA AMPS	WASHINGTO DEPARTMENT OF T AND ENGIN	LIGHTS RECEPTACLES, FIRST 10 KVA RECEPTACLES MISC, APPLIANCES LARGEST MOTOR MOTORS HEAT AC WATER HEATING TOTAL CONNECTED LOAD CONNECTED LOAD PHASE SUMM/ PHASE A PHASE B: PHASE C: NOTES: A. EXISTING PANEL "AFI (B02-EB-04) #4-11 B. EXISTING WIRING FEL • 3-1/2" C. (III) EXISTING WIRING FEL • 1-6"x 12" WIR EXISTING WIRING FEL • 2-1 1/2" C. (III) ON METROPOLITAN A RANST INFRASTRUCTURE EFFING SERVICES	ARY CE" IS FE 004/3P \ FROM T RING FILL FROM R E TROUG FROM R (WIRING F	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	) × 1259 ) × 1259 ) × 1009 4 × 50% ) × 1009 ) × 1259 ) × 1009 ) × 1009 ) × 1059 ) × 105	0AD 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	TO' TO' TO' TO' TO' TO' TO' TO' TO' TO'	TAL DEMA TAL DEMA ATTACHED WIRING FIL	ND KVA ND AM TTCHBO DWG. N L >409	
RECEPTACLES, F RECEPTACLES MISC APPLIANCES LARGEST MOTOR MOTORS HEAT AC WATER HEATING TOTAL CONNECT CONNECTED LOA PHASE A: PHASE B: PHASE B: PHASE C NOTES; A. E (( B. E) E E E E E E E E E E E E E E E E E E	S R TED LOAD AD PHASE SUMMA XISTING PANEL "AF B02-WB-04) #4 XISTING WIRING FE 0 1-1/2" C. (W XISTING WIRING FE 0 1-4" C. TO T XISTING WIRING FE 0 2-1 1/2" C. REFE	FCW" IS F 100A/3P 10 FROM 1 VIRING FIL VIRING FIL D FROM I (WIRING I (WIRING I RENCE D	10.0 5.6 0.0 0.0 3.0 4.5 0.0 23.1 8.5 8.1 7.3 ED FROM VIA 75K TOP OF 1 L >40%) L >40% VIA 75K TOP OF 1 L >40% RIGHT SII FILL >40 RAVVING	x 125 x 100 x 50% x 100 x 125 x 100 x 105 x 105 x 100 x 105 x 105	% % % % % 480V, % NSFORI BY: EL BY	тот тот 3#, 4₩ MER (SEI 12), Вү:	AL DEM AL DEM Existing 2 Attaci	IAND K IAND A S SWITC HED DY	HBOARD '	10.0 2.8 0.0 0.0 3.8 4.5 0.0 21.1 58.5 WB" LOC -EOB).	KVA KVA KVA KVA KVA KVA KVA AMPS	WASHINGTO DEPARTMENT OF T AND ENGIN	LIGHTS RECEPTACLES, FIRST 10 KVA RECEPTACLES MISC APPLANCES LARGEST MOTOR MOTORS HEAT AC WATER HEATING TOTAL CONNECTED LOAD CONNECTED LOAD PHASE SUMM/ PHASE A PHASE B: PHASE C: NOTES: A. EXISTING PANEL "AFF (B02–EB–04) 14–1 B. EXISTING WIRING FED • 3–1/2" C. (W EXISTING WIRING FED • 2–1 1/2" C. ( ON METROPOLITAN A RANST INFRASTRUCTURE ESTING SERVICES	ARY CE" IS FE 004/3P \ FROM T RING FILL FROM R E TROUG FROM R (WIRING F	0.0 100 100 0.0 0.0 0.0 0.0 0.0	) × 1259 ) × 1259 ) × 1009 4 × 50% ) × 1009 ) × 1259 ) × 1009 ) × 1009 ) × 1059 ) × 105	0AD 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	TO' TO' TO' TO' TO' TO' TO' TO' TO' TO'	TAL DEMA TAL DEMA ATTACHED WIRING FIL	ND KVA ND AM TTCHBO DWG. N L >409	

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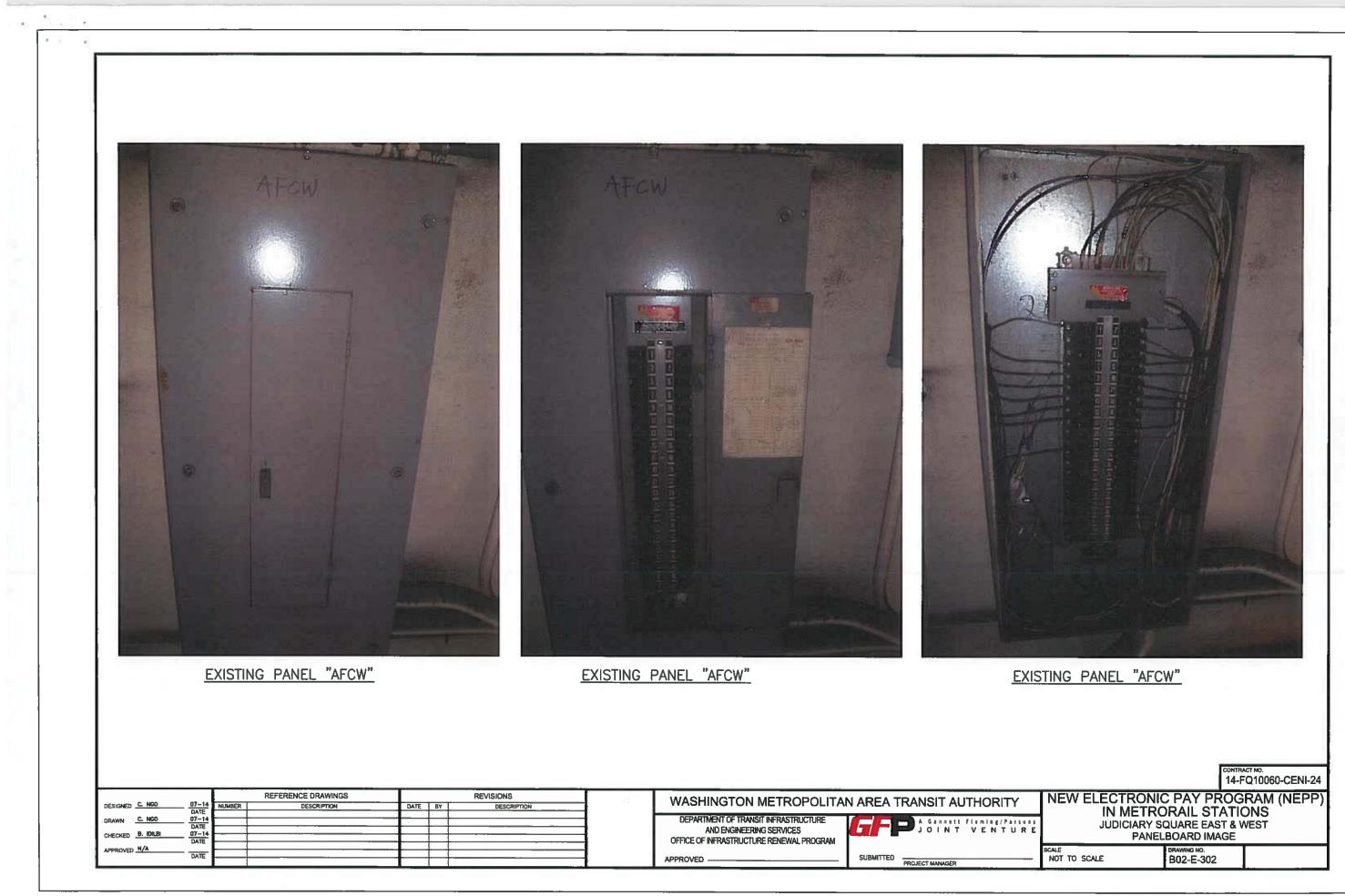
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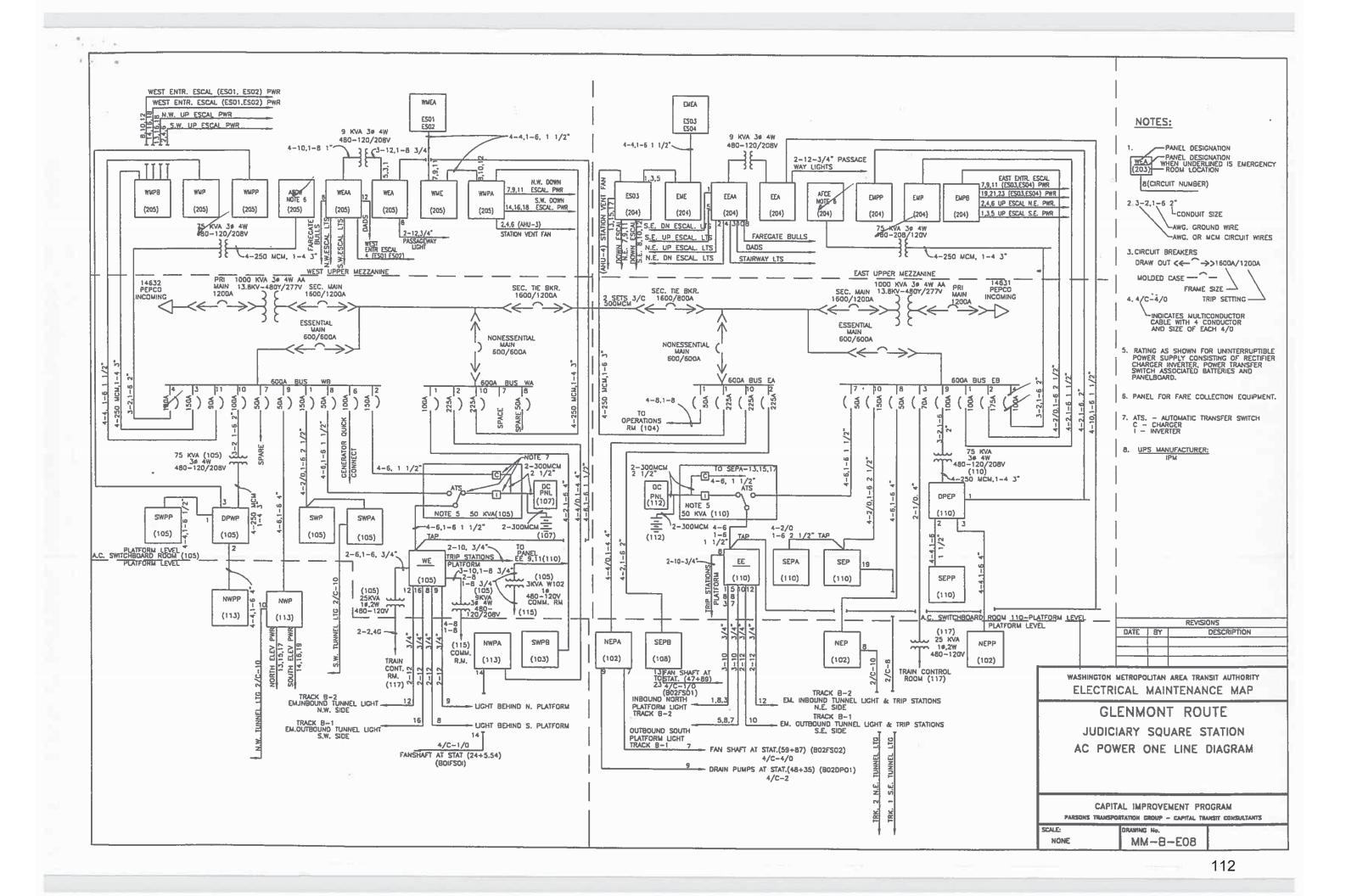
C	E"			_	
VL E		NT ROO	M 204		
-	BKRS				
LE	AMP 20	KVA 0.8	LOAD DESCRIPTION		
-	20	0.0	SPARE	-	
	•	0.0	SPACE		
	20	0.8	EXISTING VENDOR		
_	20	0.8	EXISTING VENDOR EXISTING VENDOR		
	20	0.8	EXISTING VENDOR		
	20	0.8	EXISTING VENDOR		
	20	0.8	EXISTING VENDOR		
	20	0.0	SPARE		
+	20	0.0	SPARE EXISTING VENDOR		
	20	0.0	SPARE		
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	•	0.0	SPACE		
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KV.			2 KVA		
180	NRD "EB MM-B-E	" LOCATI	ED IN AC SWBD RM. 110, CIRCU	τ	
•40	<b>%</b> ).			ONTRACT NO. 14-FQ10060-CENI-24	
N	EW	IN	TRONIC PAY PRO METRORAIL STA DICIARY SQUARE EAST PANEL SCHEDULE	TIONS & WEST	
ICAL NO	.e )t to s	CALE	DRAWING NO. B02-E-102		
-	_				

109



E	KISTING PANEL "	AFCE"	
≅s E	JUDICIARY	14-F	ONS





- 1. ALL WORK, MATERIAL AND EQUIPMENT SHALL COMPLY WITH THE LATEST NATIONAL ELECTRICAL CODE BEING USED BY THE LOCAL JURISDICTION AND SHALL COMPLY WITH ALL LOCAL CODES AND ORDINANCES.
- 2. MATERIALS AND EQUIPMENT SHALL BE NEW EXCEPT WHERE INDICATED OTHERWISE. ALL OTHER WIRING DEVICES, CONDUIT, WIRE, ETC. SHALL BE NEW UNLESS NOTED OTHERWISE.
- 3. ALL MATERIALS AND EQUIPMENT SHALL BEAR U.L. LISTING.
- 4. MAINTAIN GROUNDING CONTINUITY TO ALL DEVICES AND EQUIPMENT IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE.
- 5. WORK NOT SPECIFICALLY SPECIFIED OR INDICATED SHALL CONFORM WITH SPECIFICATIONS.
- 6. ALL CONDUITS SHALL BE RUN CONCEALED IN UNDER FLOOR DUCT.
- 7. ALL WIRE AND CABLE SHALL BE COPPER HAVING 600 VOLTS XHHW-2. OR RHM-2 INSULATIONS. PROVIDE #12 WIRE MINIMUM, UNLESS OTHERWISE NOTED. ALL CABLES SHALL BE LOW SMOKE ZERO HALOGEN CABLE.
- 8. THE CONTRACTOR SHALL VISIT THE SITE AND EXAMINE THE CONDITION OF THE PREMISES AND THE CHARACTER AND EXTENT OF WORK REQUIRED PRIOR TO SUBMISSION OF BIDS.
- 9. OBTAIN ALL PERMITS AND PAY ALL FEES NECESSARY FOR INSPECTIONS, TESTS & OTHER SERVICES REQUIRED FOR THE COMPLETION OF THIS WORK.
- 10. ALL WORK SHALL BE DONE AT SUCH TIMES AND IN SUCH A MANNER THAT WILL LEAST INTERFERE WITH THE MAINTENANCE AND OPERATION OF ALL RELATED OR AFFECTED SYSTEMS. COORDINATE ALL POWER OUTAGES WITH WMATA PROJECT MANAGER.
- 11. IT IS THE INTENT OF THESE DRAWINGS AND OTHER RELATED TI IN THE INTERN OF THESE DOWINGS AND OFINER RELETERICAL BOCUMENTS TO PRODUCE A COMPLETE AND FUNCTIONING ELECTRICAL SYSTEM. PROVIDE ALL LABOR, MATERIAL AND OTHER SERVICES NECESSARY TO ACHIEVE THIS PRODUCT. NOTIFY THE ENGINEER OF ANY DISCREPANCIES IN THE PLANS & SPECIFICATIONS THAT WILL AFFECT THE WORK, PRIOR TO SUBMISSION OF THE BID PRICE.
- 12. IF, DURING THE COURSE OF THE WORK, THE CONTRACTOR EXPERIENCES A CONFLICT RELATIVE TO THE PLANS AND SPECIFICATIONS, THE NEC OR A CONFLICT RELATIVE CODES AND SPECIFICATIONS, THE NECT OTHER APPLICABLE CODES AND GOVERNING DOCUMENTS, HE SHALL NOTIFY THE ENGINEER FOR DIRECTION PRIOR TO EXECUTION OF THIS WORK, ANY WORK INSTALLED IN VIOLATION OF THE CONTRACT DOCUMENT OR APPLICABLE CODES WHICH COULD HAVE BEEN AVOIDED BY CONTACTING THE ENGINEER SHALL BE RECTIFIED AT NO ADDITIONAL.
- 13. ELECTRICAL PLANS ARE DIAGRAMMATIC & INDICATE GENERAL ARRANGEMENT OF SYSTEMS AND WORK. CHECK DRAWINGS OF OTHER TRADES TO VERIFY SPACE CONDITIONS, ETC. MAINTAIN WORKING CLEARANCES.
- 14. CIRCUIT NUMBERS ARE FOR IDENTIFICATION PURPOSES ONLY. THE CONTRACTOR IS RESPONSIBLE FOR CORRECTLY PHASING THE CIRCUITS IN THE PANEL AND SHALL BALANCE THE LOAD ON THE PHASES UNDER NORMAL OPERATING CONDITIONS. PROVIDE TYPEWRITEN PANELBOARD DIRECTORIES. BALANCE THE PHASE LOADS TO WITHIN 20 PERCENT OF EACH OTHER

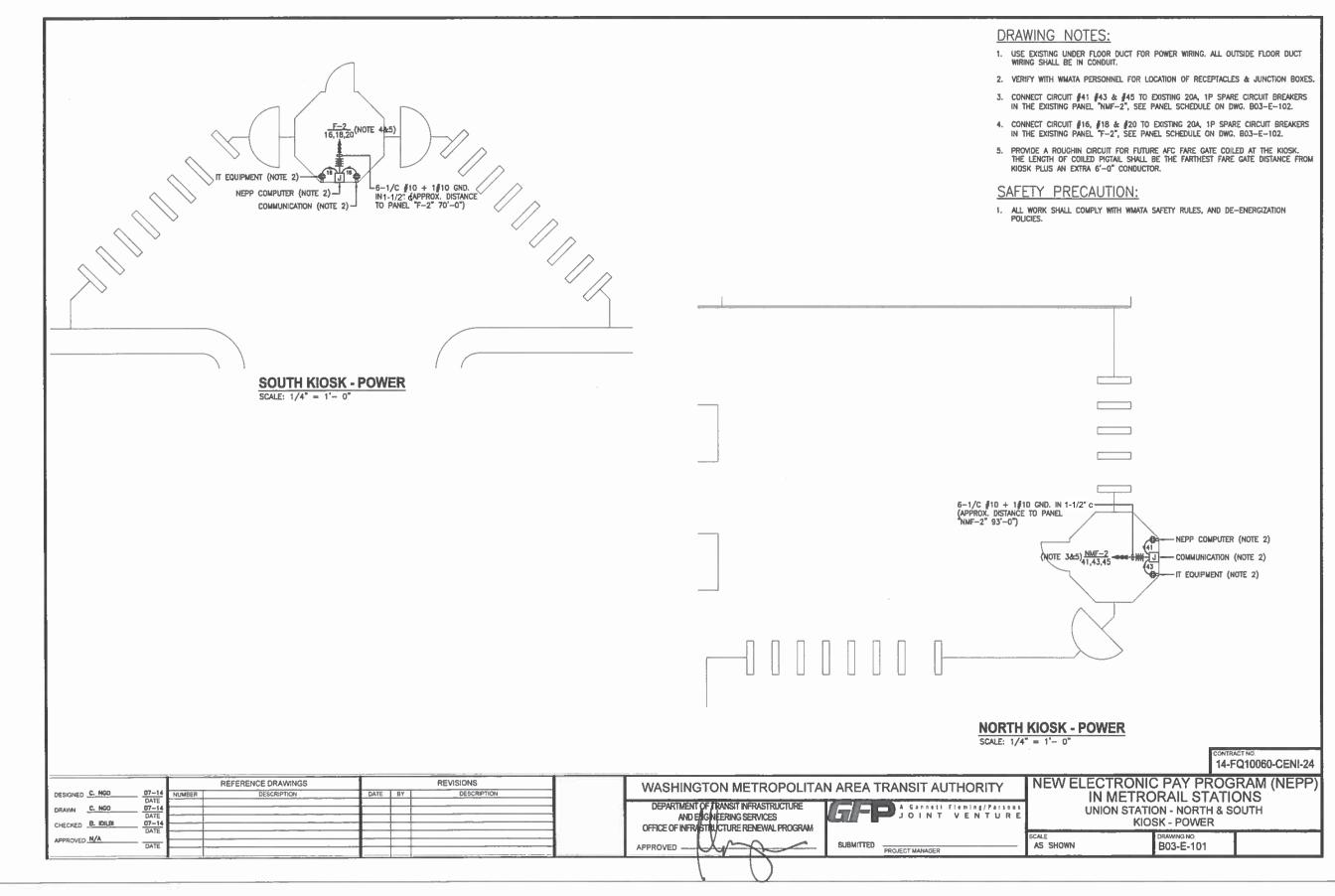
15. INCREASE ALL BRANCH CIRCUIT CONDUCTORS TO THE NEXT LARGER SIZE FROM THE PANEL TO THE FIRST OUTLET WHERE THE LENGTH OF THE HOMERUN EXCEEDS 100FT. ON 120/208V CIRCUITS.

- 15. PROVIDE A PULLWIRE OR FISHTAPE/CORD IN ALL EMPTY CONDUIT RUNS.
- 17, VERIFY WIRE SIZES, CIRCUIT BREAKERS AND FUSES RATINGS FOR ALL EQUIPMENT, AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES AFFECTING THE WORK PRIOR TO PROCEEDING.
- 18. ALL PANELS IMPACTED BY THIS PROJECT SHALL BE PROVIDED WITH NEW, UPDATED TYPEWRITTEN PANEL SCHEDULES (FOR NEW AND EXISTING CIRCUITS) INDICATING THE FINAL ROOM NUMBER AND THE EQUIPMENT OR DEVICES SERVED BY THE CIRCUITS.
- 19. DEMOLITION OF EXISTING WORK SHALL BE PERFORMED AFTER HOURS. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE WHATA PROJECT MANAGER PRIOR TO PERFORMING ALL THE WORK. THE TIME OF DAY OR EVENING SHALL BE DESIGNATED BY THE WHATA PROJECT MANAGER.
- 20. ALL WIRING SHALL BE IN CONDUIT, MINIMUM SIZE 3/4 INCH WITH LARGER SIZES AS INDICATED OR REQUIRED BY NEC. ALL CONDUITS SHALL BE RIGID GALVANIZED STEEL THREADED COUPLING FOR COMPLETE WATER PROOF INSTALLATION.
- 21. AT JOB COMPLETION, AND BEFORE FINAL ACCEPTANCE BY WHATA, TEST EACH RECEPTACLE AND PANELBOARD FOR PROPER OPERATION. WIRING SHALL BE TESTED FOR CONTINUITY, SHORTS, ETC... ALL WORK AREAS, ETC.. SHALL BE CLEANED AT THE COMPLETION OF THIS PROJECT.
- 22. FOR DEVICE IDENTIFICATION, THE ELECTRICAL CONTRACTOR SHALL LABEL ALL PANELBOARDS, JUNCTION BOXES, ETC..TO INDICATE THE NAME, VOLTAGE, SERVING EQUIPMENT AND THEM SERVED ETC... LABELS FOR EMERGENCY CIRCUITS SHALL BE IN RED, NORMAL CIRCUITS SHALL BE IN BLACK, ALL DEVICES SHALL BE IDENTIFIED EITHER ON THE FACE OF THE DEVICES SHALL BE IDENTIFIED EITHER ON THE FACE OF THE COVERPLATE OR INSIDE PER WMATA PREFERENCE, ALL JUNCTION BOXES SHALL BE LABELED TO INDICATE THE CIRCUITS CONTAINED BY THE JUNCTION BOX.
- 23. THE CONTRACTOR SHALL UPDATE THE SCHEDULES OF ALL PANELBOARDS AFFECTED BY THIS PROJECT TO REFLECT CHANGES DUE TO THE PROJECT WORK. PANEL SCHEDULE LOAD DESCRIPTIONS ARE TO INCLUDE THE FINAL ROOM OR AREA NUMBERS.
- 24, INCLUDE GPR FOR ANY CORE DRILLS OR DRILLED PENETRATIONS IN ANY WALLS.
- 25. SEAL OFF ALL PENETRATIONS THRU WALLS/FLOORS.
- 26. THE CONTRACTOR SHALL BECOME FAMILIAR WITH WMATA DESIGN CRITERIA SECTION 4 AND SECTION 13; WMATA SPECIFICATION SECTION 16120, 16130, AND 16125, ALL INSTALLATION SHALL BE IN COMPLIANCE WITH THE NEC, WMATA DESIGN CRITERIA, AND SPECIFICATIONS.
- 27. THE CONTRACTOR SHALL IDENTIFY SPARE CIRCUIT WITH "RESERVED FOR AFC".
- 28. EXISTING SWITCHBOARDS, PANELBOARDS AND EQUIPMENT SHOWN IS BASED ON RECORD DRAWINGS AND CASUAL FIELD SURVEY. CONTRACTOR SHALL VERIFY ALL ELECTRICAL EQUIPMENT IN FIELD.
- 29. The conduit utilized for this project shall be 1-1/2" min. or larger as indicated. The liquid tight utilized for the kiosk shall be 1-1/2" from the entry to the 8x8 junction box, then 1" from the junction box to the quads. All boxes used in or on the kiosk shall be NEMA 4x.

ABB	REVIATIONS			DRAWING INDEX
A, AMP	AMPERES	NEC	NATIONAL ELECTRIC CODE	803-E-001 ABBREVIATIONS, DRAWING INDEX, SPECIFICATIONS & SYMBOL LIST
AC	ALTERNATING CURRENT	P	POLE	B03-E-101 UNION STATION NORTH & SOUTH - KIOSK - POWER
AF	AMPERE FRAME	PH	PHASE	B03-E-102 UNION STATION NORTH & SOUTH - PANEL SCHEDULES
AFC	AUTOMATED FARE COLLECTION SYSTEM	PNL	PANELBOARD	B03-E-301 UNION STATION NORTH & SOUTH - PANELBOARDS IMAGE
AFF	ABOVE FINISHED FLOOR	PRI	PRIMARY	B03-E-302 UNION STATION NORTH & SOUTH - PANELBOARDS IMAGE
AIC		PROP	PROPOSED	MM-B-E10 UNION STATION - AC POWER ONE LINE DIAGRAM
AT	AMPERE TRIP	RGS	RIGID GALVANIZED STEEL	
		SEC	SECONDARY	
BKR	BREAKER	SHT	SHEET	
C	CONDUIT	SW	SWITCH	
CB	CIRCUIT BREAKER	SWBD	SWITCHBOARD	
CCT	CIRCUIT CENTER LINE	TYP	TYPICAL	
ନ୍ CLG	CEILING	U/G	UNDER GROUND	ELECTRICAL SYMBOL LIST
CONST	CONSTRUCTION	U.L.	UNDERWRITERS LABORATORIES	QUADRUPLEX RECEPTACLE OUTLET- 20A, 125V WALL MOUNTED.
		UON	UNLESS OTHERWISE NOTED	JUNCTION BOX - SURFACE MOUNTED ON UNISTRUT CHANNEL
DISC	DISCONNECT	VOLT	VOLTAGE	CONDUIT - CONCEALED IN UNDER FLOOR DUCT U.O.N.
E	ELECTRICAL	W	WATT	
GND	GROUND	WMATA	WASHINGTON METROPOLITIAN	HI 10-3/4 HOMERUN TO PANEL, NUMBER OF ARROWHEADS INDICATES
JB	JUNCTION BOX		AREA TRANSIT AUTHORITY	EE OF CONDUCTORS, NUMBER INDICATES SIZE OF CONDUCTOR 3,5 AND SIZE OF CONDUIT
KAIC	THOUSAND AMPERE INTERRUPTING CAPACITY	WP	WEATHERPROOF	Indicates grounding wire to grounding bus at THE PANELBOARD
KCMIL	THOUSAND CIRCULAR MILL			EE - INDICATES CIRCUIT HOME RUN PANELBOARD AND
KVA	KILOVOLT AMPERE			1,-3 CIRCUIT NUMBER IDENTIFICATION
MAX	MAXIMUM			
MCA	MINIMUM CIRCUIT AMPERE			
MCB	MAIN CIRCUIT BREAKER			
MEZZ	MEZZANINE			
MIN	MINIMUM			
MLO	MAIN LUGS ONLY			

		FERENCE DRAWINGS			REVISIONS	WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY
DESIGNED         C. NGO         D7-14           DRAWN         C. NGO         D7-14           DRAWN         C. NGO         D7-14           DATE         DATE           DATE         DATE	NUMBER	DESCRIPTION	CATE	ВҮ	DESCRIPTION	DEPARTMENT OF TRANSIT INFRASTRUCTURE AND ENGINEERING SERVICES OFFICE OF INFRASTRUCTURE RENEWAL PROGRAM
APPROVED N/A DATE						APPROVED SUBMITTED PROJECT MANAGER

Ŧ	QUADRUPLEX RECEPTACLE OUTLET- 20A, 125V WALL MOUNTED.	
J	JUNCTION BOX - SURFACE MOUNTED ON UNISTRUT CHANNEL	
	CONDUIT - CONCEALED IN UNDER FLOOR DUCT U.O.N.	
10-3/4 EF 3,5	4 HOMERUN TO PANEL, NUMBER OF ARROWHEADS INDICATES NUMBER OF CIRCUITS. CROSS HATCHING INDICATES NUMBER OF CONDUCTORS, NUMBER INDICATES SIZE OF CONDUCTOR AND SIZE OF CONDUIT $\downarrow$ – INDICATES GROUNDING WIRE TO GROUNDING BUS AT THE PANELBOARD $\stackrel{EF}{1,3}$ – INDICATES CIRCUIT HOME RUN PANELBOARD AND CIRCUIT NUMBER IDENTIFICATION	
	0.	
	2	
	CONTRACT NO	
	14-FQ10060-CENI-24	
NEW	ELECTRONIC PAY PROGRAM (NEPP) IN METRORAIL STATIONS	
	ABBREVIATIONS, DRAWING INDEX,	
	SPECIFICATIONS & SYMBOL LIST	
NOT TO S	SCALE B03-E-001	-
	1	



AMPERES: 100	VOLTS:	120/208				_				
MAINS: 70A	PHASE:	3		LOCA	TION:	C200 F	REEQ	UIPMENT	CABINE	T
RATING: 10K AC	WRE:	4		SECT	ON: 1	OF 1				
	1	CKT	SKRS	СКТ.	-	CKT.	СКТ	BKRS		
LOAD DESCRIPTION	KVA	AMP	POLE	NO.		NO	POLE	AMP	KVA	LOAD DESCRIPTION
EXISTING VENDOR	0.0	60	2	1	A	2	3	100	2.9	MAN
	0.0		1.	3	- B -	4	-	-	2.5	
EXISTING VENDOR	0.0	20	1	5	C	6	-	-	2.5	
EXISTING VENDOR	0.8	20	1	7	Α	8	1	20	0.8	EXISTING VENDOR
EXISTING VENDOR	0.6	20	1	9	- B -	10	1	20	0.6	EXISTING VENDOR
EXISTING VENDOR	0.6	20	1	11	C	12	1	20	0.6	EXISTING VENDOR
EXIST ING VENDOR	0.6	20	1	13	A	14	1	20	0.8	EXISTING VENDOR
EXISTING VENDOR	0.8	20	1	15	- B -	16	1	20	0.8	NEW KIOSK RECEPT. (IT & NCS)
EXISTING VENDOR	0.8	20	1	17	C	18	1	20	0.8	NEW KIOSK RECEPT. (NEPP/SOC
SPARE	0.0	20	1	19	A	20	1	20	0.0	FUTURE AFC FARE GATE
SPARE	0.0	20	1	21	- B -	22	1	20	0.0	SPARE
SPACE	0.0	20	1	23	• • C	24	1	20	0.0	SPARE
SPACE	0.0	20	1	25	A	26	1	20	0.0	SPARE
SPACE	0.0	20	1	27	• 8 •	28	1	20	0.0	SPARE
SPACE	0.0	20	1	29	C	30		•	0.0	SPACE
			L	DAD	SUN	IMA	RY			
LIGHTS			x 1259	%	SUN	IMA	RY		0.0	) KVA
RECEPTACLES, FIRST 10 KVA		9.2	x 1259	% %	SUN	IMA	RY		9.2	! KVA
RECEPTACLES, FIRST 10 KVA RECEPTACLES		9.2	x 1259 x 1009 x 50%	%	SUN	IMA	RY		9.2 0.0	e KVA D KVA
RECEPTACLES, FIRST 10 KVA RECEPTACLES		9.2 0.0 0.0	x 1259 x 1009 x 50% x 1009	% %	SUN	IMA	RY		9.2 0.0	! KVA
RECEPTACLES, FIRST 10 KVA RECEPTACLES MISC APPLIANCES LARGEST MOTOR		92 0.0 0.0 0.0	x 1259 x 1009 x 50% x 1009 x 1259	% % %	SUN	IMA	RY		9.2 0.0 0.0 0.0	e KVA D KVA D KVA D KVA
RECEPTACLES, FIRST 10 KVA RECEPTACLES MISC APPLIANCES LARGEST MOTOR MOTORS		92 0.0 0.0 0.0	x 1259 x 1009 x 50% x 1009 x 1259 x 1259 x 1009	Хо Хо Ха Ха Ха	SUN	<u>IMA</u>	RY		9.2 0.0 0.0 0.0 0.0	2 KVA 0 KVA 0 KVA 0 KVA 0 KVA
RECEPTACLES, FIRST 10 KVA RECEPTACLES MISC APPLIANCES LARGEST MOTOR MOTORS HEAT		92 0.0 0.0 0.0 0.0 0.0 3.0	x 1259 x 1009 x 50% x 1009 x 1259 x 1259 x 1009 x 1259	ха Ха Ха Ха	SUN	IMA	RY		9.2 0.0 0.0 0.0 0.0	e KVA D KVA D KVA D KVA
RECEPTACLES, FIRST 10 KVA RECEPTACLES MISC APPLIANCES LARGEST MOTOR MOTORS HEAT AC		92 0.0 0.0 0.0 0.0 0.0 3.0 4.2	x 1259 x 1009 x 1009 x 1009 x 1259 x 1009 x 1259 x 1009 x 1259 x 1009	ж ж ж ж ж	SUN	<u>IMA</u>	RY		92 0.0 0.0 0.0 0.0 3.8 4.5	2 KVA 0 KVA 0 KVA 0 KVA 0 KVA 0 KVA 5 KVA
RECEPTACLES, FIRST 10 KVA RECEPTACLES MISC APPLIANCES LARGEST MOTOR MOTORS HEAT AC		92 0.0 0.0 0.0 0.0 0.0 3.0 4.2	x 1259 x 1009 x 50% x 1009 x 1259 x 1259 x 1259 x 1259	ж ж ж ж ж	SUN	<u>IMA</u>	RY		92 0.0 0.0 0.0 0.0 3.8 4.5	2 KVA 2 KVA 2 KVA 2 KVA 3 KVA 3 KVA
RECEPTACLES, FIRST 10 KVA RECEPTACLES MISC APPLIANCES LARGEST MOTOR MOTORS HEAT AC WATER HEAT ING		92 00 00 00 00 30 30 45 00	x 1259 x 1009 x 1009 x 1009 x 1259 x 1009 x 1259 x 1009 x 1259 x 1009	ж ж ж ж ж	TOT	AL DEM	IAND K		9.2 0.0 0.0 0.0 3.8 4.5 0.0	2 KVA 0 KVA 0 KVA 0 KVA 0 KVA 3 KVA 5 KVA 0 KVA 5 KVA
RECEPTACLES, FIRST 10 KVA RECEPTACLES MISC APPLIANCES LARGEST MOTOR MOTORS HEAT AC WATER HEAT ING TOTAL CONNECTED LOAD		92 00 00 00 00 30 30 45 00	x 1259 x 1009 x 50% x 1009 x 1259 x 1259 x 1009 x 1259 x 1009 x 1259 x 1009	ж ж ж ж ж	TOT	AL DEM			9.2 0.0 0.0 0.0 3.8 4.5 0.0	2 KVA 0 KVA 0 KVA 0 KVA 0 KVA 0 KVA 5 KVA 0 KVA
RECEPTACLES, FIRST 10 KVA RECEPTACLES MISC APPLIANCES LARGEST MOTOR MOTORS HEAT AC WATER HEAT ING TOTAL CONNECTED LOAD CONNECTED LOAD PHASE SUM	IMARY	92 0.0 0.0 0.0 3.0 4.5 0.0 16.3	x 1259 x 1009 x 50% x 1009 x 1259 x 1009 x 1259 x 1009 x 1259 x 1009 x 1259 x 1009 x 1259 x 1009 x 1259 x 1009	ж ж ж ж ж	TOT	AL DEM	IAND K		9.2 0.0 0.0 0.0 3.8 4.5 0.0	2 KVA 0 KVA 0 KVA 0 KVA 0 KVA 3 KVA 5 KVA 0 KVA 5 KVA
RECEPTACLES, FIRST 10 KVA RECEPTACLES MISC APPLIANCES LARGEST MOTOR MOTORS HEAT AC WATER HEATING TOTAL CONNECTED LOAD CONNECTED LOAD PHASE SUM PHASE A:	IMARY	92 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 16.7 6.1	x 1259 x 1009 x 50% x 1009 x 1259 x 1009 x 1259 x 1009 x 1259 x 1009 x 1259 x 1009 x 1259 x 1009 x 1259 x 1009	ж ж ж ж ж	TOT	AL DEM	IAND K		9.2 0.0 0.0 0.0 3.8 4.5 0.0	2 KVA 0 KVA 0 KVA 0 KVA 0 KVA 3 KVA 5 KVA 0 KVA 5 KVA
RECEPTACLES, FIRST 10 KVA RECEPTACLES MISC APPLIANCES LARGEST MOTOR MOTORS HEAT AC WATER HEATING TOTAL CONNECTED LOAD CONNECTED LOAD PHASE SUM PHASE A: PHASE B:	IMARY	92 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.	x 1259 x 1009 x 1009 x 1009 x 1259 x 1009 x 1000 x 1000 x 1000 x 1000 x 1000 x 1000 x 1000 x 1000 x 1000 x	ж ж ж ж ж	TOT	AL DEM	IAND K		9.2 0.0 0.0 0.0 3.8 4.5 0.0	2 KVA 0 KVA 0 KVA 0 KVA 0 KVA 3 KVA 5 KVA 0 KVA 5 KVA
MOTORS HEAT AC WATER HEATING TOTAL CONNECTED LOAD	"F-2" IS I	92 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.	x 1259 x 1009 x 50% x 1009 x 1259 x 1009 x 1009 x 1259 x 1009 x 1000 x 10000 x 10000 x 10000 x 1000 x 1000 x 1000 x 1000	/ 480v/	TOT. TOT.	AL DEW AL DEW	IAND K IAND A	MPS /BD. "SG	92 0.0 0.0 0.0 3.8 4.5 0.0 17.5 48.5	2 KVA 2 KVA 2 KVA 2 KVA 3 KVA 1 KVA 3 KVA 1

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NEW KIOSK RECEPT, (IT & NCS)	0.8	20	1	41	A	+	+	46	
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NEW KIOSK RECEPT. (NEPP/SOC)	0.8	20	1	43	- I	U	~		
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NEW KIOSK RECEPT. (NEPPISOC) FUTURE AFC FARE GATE			1	45	-	•	-		R
FUTURE AFC FARE GATE		20	1	45 )AD	-	•	-	50	R
FUTURE AFC FARE GATE		20	LC	45 )AD	-	•	-	50	R
FUTURE AFC FARE GATE LIGHTS RECEPTACLES, FIRST 10 KVA		0.0	1 LC	45 )AD	-	•	-	50	R
FUTURE AFC FARE GATE LIGHTS RECEPTACLES, FIRST 10 KVA RECEPTACLES		0.0 0.0 10.0 4.0	1 LC 1 x 1259 5 x 1009	45 DAD	-	•	-	50	R
		20 20 10.0 4.0 0.0	1 LC ) x 1259 ) x 1009 ) x 50%	45 DAD	-	•	-	50	R
FUTURE AFC FARE GATE LIGHTS RECEPTACLES, FIRST 10 KVA RECEPTACLES MISC APPLIANCES LARGEST MOTOR		20 20 0.0 10.0 4.0 0.0 0.0	1 LC 1 x 1259 1 x 1009 1 x 50% 1 x 1009	45 DAD	-	•	-	50	R
FUTURE AFC FARE GATE LIGHTS RECEPTACLES, FIRST 10 KVA RECEPTACLES MISC APPLIANCES		20 20 10.0 0.0 0.0 0.0	LC x 1259 x 1009 x 50% x 1009 x 1259	45 DAD	-	•	-	50	R
FUTURE AFC FARE GATE LIGHTS RECEPTACLES, FIRST 10 KVA RECEPTACLES MISC APPLIANCES LARGEST MOTOR MOTORS HEAT		20 20 10.0 4.0 0.0 0.0 3.0	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	45 DAD	-	•	-	50	R
FUTURE AFC FARE GATE LIGHTS RECEPTACLES, FIRST 10 KVA RECEPTACLES MISC APPLIANCES LARGEST MOTOR MOTORS		20 20 10.0 0.0 0.0 0.0 3.0 4.5	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	45 DAD	-	•	-	50	R

21.5 KVA	TOTAL DEM TOTAL DEM
8.1 KVA	
7.7 KVA	
6.5 KVA	
	8.1 KVA 7.7 KVA

 NOTES:
 A. THE EXISTING PANEL "NMF-2" IS FED FROM 277/480V, 3¢, 4W EXICICUTI (803-NG8-03) ∦3-100/3P VIA 50 KVA TRANSFORMER (SE

 B. EXISTING WIRING FED FROM BOTTOM OF PANEL BY:
 • 1-8"x 36" WIRE TROUGH (WIRING FILL >40%).

 • 2-4" C. (WIRING FILL >40%).

 EXISTING WIRING FED FROM TOP OF PANEL BY:

 • 1-2" C. TO TRANSFORMER (WIRING FILL >40%).

 • 1-3/4" C. (WIRING FILL >40%).

	R	REFERENCE DRAWINGS	1		REVISIONS		ICT	ON METROP					ĒŇ
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EXISTING PANEL "NMF-2"



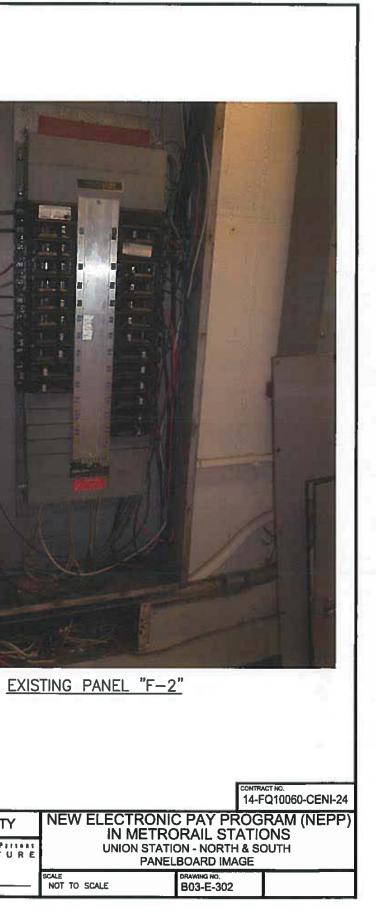
EXISTING PANEL "NMF-2"

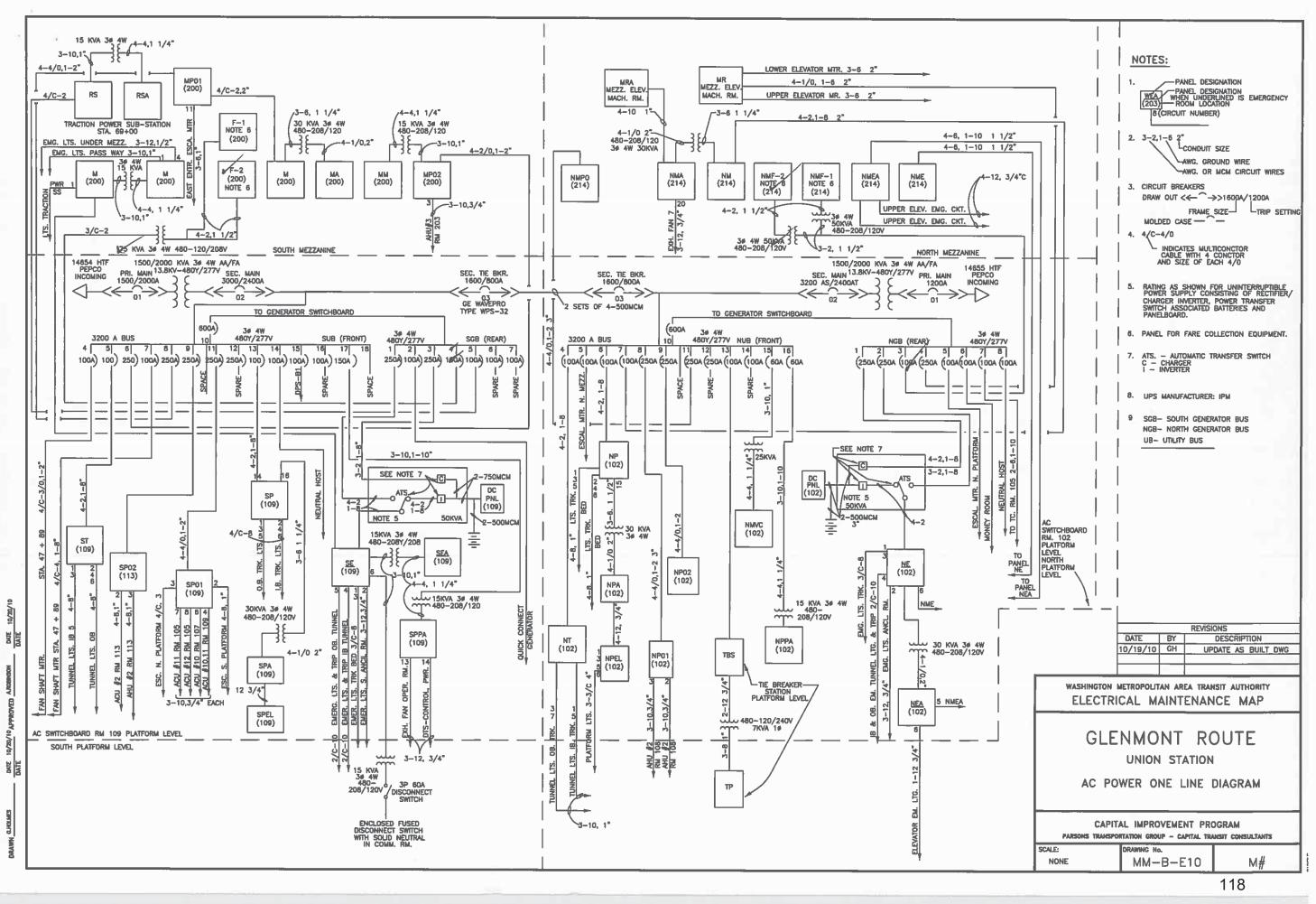
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	REFERENCE DRAWINGS	REVISIONS	WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY
DESIGNED C. NGO 07-14 DATE	NUMBER DESCRIPTION	DATE BY DESCRIPTION	WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY
DRAWN C. NGO 07-14			DEPARTMENT OF TRANSIT INFRASTRUCTURE
CHECKED B. IDILBI 07-14 DATE			AND ENGINEERING SERVICES
APPROVED N/A			OFFICE OF INPRASING OVER RENEWAL PROGRAM
DATE			APPROVED SUBMITTED





- 1. ALL WORK, MATERIAL AND EQUIPMENT SHALL COMPLY WITH THE LATEST NATIONAL ELECTRICAL CODE BEING USED BY THE LOCAL JURISDICTION AND SHALL COMPLY WITH ALL LOCAL CODES AND ORDINANCES.
- 2. MATERIALS AND EQUIPMENT SHALL BE NEW EXCEPT WHERE INDICATED OTHERWISE. ALL OTHER WIRING DEVICES, CONDUIT, WIRE, ETC. SHALL BE NEW UNLESS NOTED OTHERWISE.
- 3. ALL MATERIALS AND EQUIPMENT SHALL BEAR U.L. LISTING.
- 4. MAINTAIN GROUNDING CONTINUITY TO ALL DEVICES AND EQUIPMENT IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE.
- 5. WORK NOT SPECIFICALLY SPECIFIED OR INDICATED SHALL CONFORM WITH SPECIFICATIONS.
- 6. ALL CONDUITS SHALL BE RUN CONCEALED IN UNDER FLOOR DUCT.
- 7 ALL WIRE AND CARLE SHALL BE COPPER HAVING 600 VOLTS XHHW-2 OR RHW-2 INSULATIONS. PROVIDE #12 WIRE MINIMUM. UNLESS OTHERWISE NOTED. ALL CABLES SHALL BE LOW SMOKE ZERO HALOGEN CABLE.
- 8. THE CONTRACTOR SHALL VISIT THE SITE AND EXAMINE THE CONDITION OF THE PREMISES AND THE CHARACTER AND EXTENT OF WORK REQUIRED PRIOR TO SUBMISSION OF BIDS
- 9. OBTAIN ALL PERMITS AND PAY ALL FEES NECESSARY FOR INSPECTIONS, TESTS & OTHER SERVICES REQUIRED FOR THE COMPLETION OF THIS WORK.
- 1D. ALL WORK SHALL BE DONE AT SUCH TIMES AND IN SUCH A MANNER THAT WILL LEAST INTERFERE WITH THE MAINTENANCE AND OPERATION OF ALL RELATED OR AFFECTED SYSTEMS. COORDINATE ALL POWER OUTAGES WITH WMATA PROJECT MANAGER.
- 11. IT IS THE INTENT OF THESE DRAWINGS AND OTHER RELATED DOCUMENTS TO PRODUCE A COMPLETE AND FUNCTIONING ELECTRICAL SYSTEM. PROVIDE ALL LABOR, MATERIAL AND OTHER SERVICES NECESSARY TO ACHIEVE THIS PRODUCT. NOTIFY THE ENGINEER OF ANY DISCREPANCIES IN THE PLANS & SPECIFICATIONS THAT WILL AFFECT THE WORK, PRIOR TO SUBMISSION OF THE BID PRICE.
- 12. IF, DURING THE COURSE OF THE WORK, THE CONTRACTOR EXPERIENCES A CONFLICT RELATIVE TO THE PLANS AND SPECIFICATIONS, THE NEC OR OTHER APPLICABLE CODES AND GOVERNING DOCUMENTS, HE SHALL NOTIFY THE ENGINEER FOR DIRECTION PRIOR TO EXECUTION OF THIS WORK. ANY WORK INSTALLED IN VIOLATION OF THE CONTRACT DOCUMENT OR APPLICABLE CODES WHICH COULD HAVE BEEN AVOIDED BY CONTACTING THE ENGINEER SHALL BE RECTIFIED AT NO ADDITIONAL
- 13. ELECTRICAL PLANS ARE DIAGRAMMATIC & INDICATE GENERAL ARRANGEMENT OF SYSTEMS AND WORK. CHECK DRAWINGS OF OTHER TRADES TO VERIFY SPACE CONDITIONS, ETC. MAINTAIN WORKING CLEARANCES.
- 14. CIRCUIT NUMBERS ARE FOR IDENTIFICATION PURPOSES ONLY. THE CONTRACTOR IS RESPONSIBLE FOR CORRECTLY PHASING THE CIRCUITS IN THE PANEL AND SHALL BALANCE THE LOAD ON THE PHASES UNDER NORMAL OPERATING CONDITIONS. PROVIDE TYPEWRITTEN PANELBOARD DIRECTORIES. BALANCE THE PHASE LOADS TO WITHIN 20 PERCENT OF EACH OTHER.

- 15. INCREASE ALL BRANCH CIRCUIT CONDUCTORS TO THE NEXT LARGER SIZE FROM THE PANEL TO THE FIRST OUTLET WHERE THE LENGTH OF THE HOMERUN EXCEEDS 100FT. ON 120/208V CIRCUITS.
- 16. PROVIDE A PULLWIRE OR FISHTAPE/CORD IN ALL EMPTY CONDUIT RUNS.
- 17. VERIFY WIRE SIZES, CIRCUIT BREAKERS AND FUSES RATINGS FOR ALL EQUIPMENT, AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES AFFECTING THE WORK PRIOR TO PROCEEDING.
- 18. ALL PANELS IMPACTED BY THIS PROJECT SHALL BE PROVIDED WITH NEW, UPDATED TYPEWRITTEN PANEL SCHEDULES (FOR NEW AND EXISTING CIRCUITS) INDICATING THE FINAL ROOM NUMBER AND THE EQUIPMENT OR DEVICES SERVED BY THE CIRCUITS.
- 19. DEMOLITION OF EXISTING WORK SHALL BE PERFORMED AFTER HOURS. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE WMATA PROJECT MANAGER PRIOR TO PERFORMING ALL THE WORK. THE TIME OF DAY OR EVENING SHALL BE DESIGNATED BY THE WMATA PROJECT MANAGER
- 20. ALL WIRING SHALL BE IN CONDUIT, MINIMUM SIZE 3/4 INCH WITH LARGER SIZES AS INDICATED OR REQUIRED BY NEC. ALL CONDUITS SHALL BE RIGID GALVANIZED STEEL THREADED COUPLING FOR COMPLETE WATER PROOF INSTALLATION.
- 21. AT JOB COMPLETION, AND BEFORE FINAL ACCEPTANCE BY WMATA, TEST EACH RECEPTACLE AND PANELBOARD FOR PROPER OPERATION. WIRING SHALL BE TESTED FOR CONTINUITY, SHORTS, ETC ... ALL WORK AREAS, ETC., SHALL BE CLEANED AT THE COMPLETION OF THIS PROJECT.
- 22. FOR DEVICE IDENTIFICATION, THE ELECTRICAL CONTRACTOR SHALL LABEL ALL PANELBOARDS, JUNCTION BOXES, ETC.. TO INDICATE THE NAME, VOLTAGE, SERVING EQUIPMENT AND ITEM SERVED ETC... LABELS FOR EMERGENCY CIRCUITS SHALL BE IN RED. NORMAL CIRCUITS SHALL BE IN BLACK ALL DEVICES SHALL BE IDENTIFIED ETHER ON THE FACE OF THE COVERPLATE OR INSIDE PER WMATA PREFERENCE. ALL JUNCTION BOXES SHALL BE LABELED TO INDICATE THE CIRCUITS CONTAINED BY THE JUNCTION BOX.
- 23. THE CONTRACTOR SHALL UPDATE THE SCHEDULES OF ALL PANELBOARDS AFFECTED BY THIS PROJECT TO REFLECT CHANGES DUE TO THE PROJECT WORK. PANEL SCHEDULE LOAD DESCRIPTIONS ARE TO INCLUDE THE FINAL ROOM OR AREA NUMBERS.
- 24. INCLUDE GPR FOR ANY CORE DRILLS OR DRILLED PENETRATIONS IN ANY WALLS.
- 25. SEAL OFF ALL PENETRATIONS THRU WALLS/FLOORS.
- 26. THE CONTRACTOR SHALL BECOME FAMILIAR WITH WMATA DESIGN CRITERIA SECTION 4 AND SECTION 13; WMATA SPECIFICATION SECTION 16120, 16130, AND 16125. ALL INSTALLATION SHALL BE IN COMPLIANCE WITH THE NEC, WMATA DESIGN CRITERIA, AND SPECIFICATIONS.
- 27. THE CONTRACTOR SHALL IDENTIFY SPARE CIRCUIT WITH "RESERVED FOR AFC
- 28. EXISTING SWITCHBOARDS, PANELBOARDS AND EQUIPMENT SHOWN IS BASED ON RECORD DRAWINGS AND CASUAL FIELD SURVEY. CONTRACTOR SHALL VERIFY ALL ELECTRICAL EQUIPMENT IN FIELD.
- 29. The conduit utilized for this project shall be 1-1/2" min. or larger as indicated. The liquid tight utilized for the kiosk shall be 1-1/2" from the entry to the 8x8 junction box. then 1" from the junction box to the quads. All boxes used in or on the kiosk shall be NFMA 4x

### **ABBREVIATIONS**

AMDEDEC	NEG	
		NATIONAL ELECTRIC CODE
	·	POLE
AMPERE FRAME	PH	PHASE
AUTOMATED FARE COLLECTION SYSTEM	PNL	PANELBOARD
ABOVE FINISHED FLOOR	PRI	PRIMARY
AMPERE INTERRUPTING CAPACITY	PROP	PROPOSED
AMPERE TRIP	RGS	RIGID GALVANIZED STEEL
BRFAKER	SEC	SECONDARY
	SHT	SHEET
	SW	SWITCH
	SWBD	SWITCHBOARD
	TYP	TYPICAL
	U/G	UNDER GROUND
	U.L.	UNDERWRITERS LABORATORIES
CONSTRUCTION	UON	UNLESS OTHERWISE NOTED
DISCONNECT		VOLTAGE
ELECTRICAL		WATT
GROUND		WASHINGTON METROPOLITIAN
JUNCTION BOX	TIMALA	AREA TRANSIT AUTHORITY
THOUSAND AMPERE INTERRUPTING CAPACITY	WP	WEATHERPROOF
THOUSAND CIRCULAR MILL		
KILOVOLT AMPERE		
MAXIMUM		
MINIMUM CIRCUIT AMPERE		
MAIN CIRCUIT BREAKER		
MEZZANINE		
MINIMUM		
MAIN LUGS ONLY		
	COLLECTION SYSTEM ABOVE FINISHED FLOOR AMPERE INTERRUPTING CAPACITY AMPERE TRIP BREAKER CONDUIT CIRCUIT BREAKER CIRCUIT CENTER LINE CEILING CONSTRUCTION DISCONNECT ELECTRICAL GROUND JUNCTION BOX THOUSAND AMPERE INTERRUPTING CAPACITY THOUSAND CIRCULAR MILL KILOVOLT AMPERE MAXIMUM MINIMUM CIRCUIT AMPERE MAIN CIRCUIT BREAKER MEZZANINE MINIMUM	ALTERNATING CURRENT P AMPERE FRAME PH AUTOMATED FARE COLLECTION SYSTEM PRI ABOVE FINISHED FLOOR PRI AMPERE INTERRUPTING CAPACITY RGS BREAKER SEC BREAKER SEC CONDUIT CIRCUIT BREAKER SW CIRCUIT BREAKER SW CIRCUIT BREAKER U/G CONSTRUCTION U.L. DISCONNECT U/G CONSTRUCTION U.L. DISCONNECT VOLT ELECTRICAL W GROUND WMATA JUNCTION BOX THOUSAND AMPERE INTERRUPTING CAPACITY THOUSAND CIRCULAR MILL KILOVOLT AMPERE MAXIMUM MINIMUM CIRCUIT AMPERE MAIN CIRCUIT BREAKER MEZZANINE MINIMUM

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APPROVED N/A DATE							APPROVED	SUBMITTED
				1			AFFROVED	PROJECT MANAGER

## DRAWING INDEX

807-E-001	ABBREVIATIONS, DRAWING INDEX, SPECIFICATIONS & SYMBOL LIST
B07-E-101	TAKOMA - KIOSK - POWER
807-E-102	TAKOMA - PANEL SCHEDULE
807-E-301	TAKOMA - PANELBOARD IMAGE
MM-B-E20	TAKOMA - AC POWER ONE LINE DIAGRAM

## ELECTRICAL SYMBOL LIST

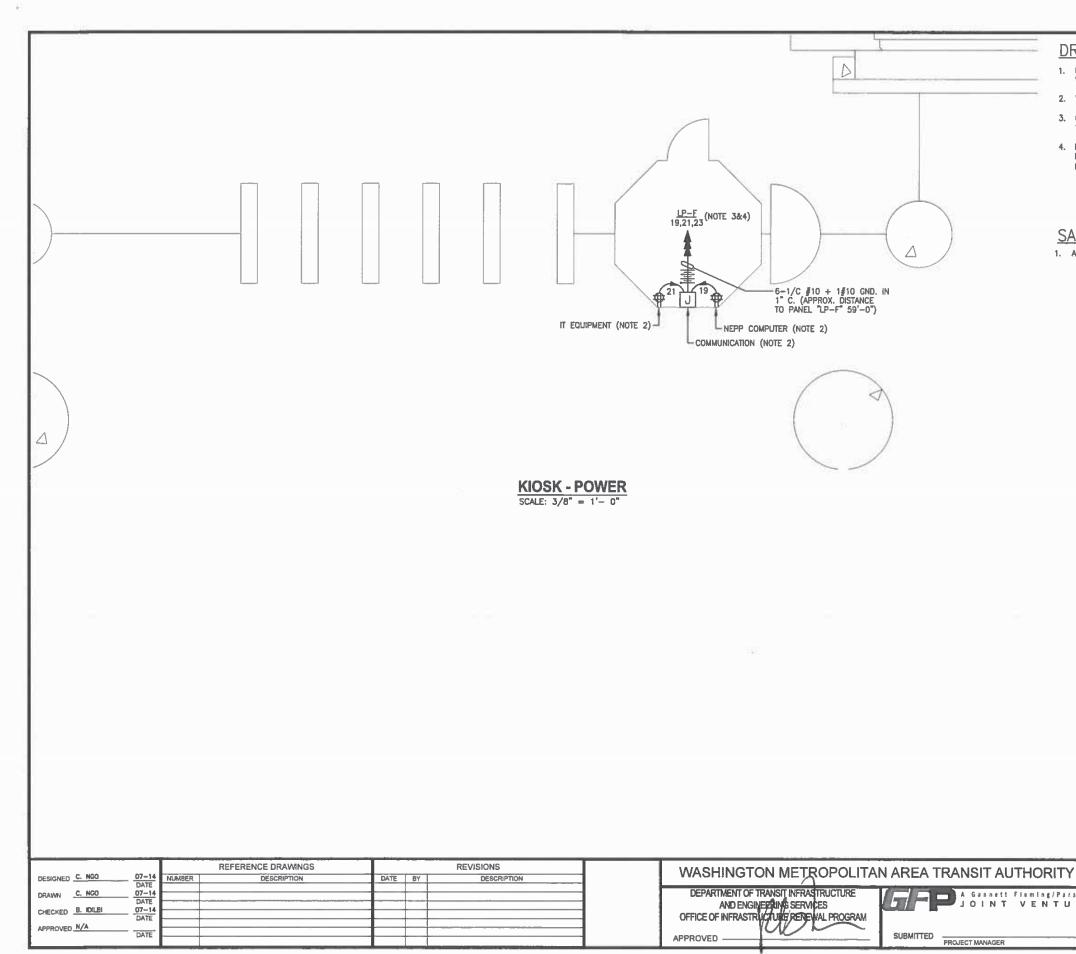
#	QUADRUPLEX RECEPTACLE OUTLET- 20A, 125V WALL MOUNTED.
J	JUNCTION BOX - SURFACE MOUNTED ON UNISTRUT CHANNEL
$\frown$	CONDUIT - CONCEALED IN UNDER FLOOR DUCT U.O.N.

EF 3,5

11 #10-3/4 HOMERUN TO PANEL, NUMBER OF ARROWHEADS INDICATES NUMBER OF CIRCUITS. CROSS HATCHING INDICATES NUMBER OF CONDUCTORS, NUMBER INDICATES SIZE OF CONDUCTOR AND SIZE OF CONDUIT

- INDICATES GROUNDING WIRE TO GROUNDING BUS AT THE PANELBOARD
- $\frac{\text{EF}}{1,3}$  indicates circuit home run panelboard and circuit number identification

		-		
			CONTRACT NO.	0-CENI-24
( 0 m 1 R E	NEW ELECTRONIC IN METRO ABBREVIATIO SPECIFICATI	NRAIL STA	ATIONS NG INDEX,	(NEPP)
—	SCALE NOT TO SCALE	DRAWING NO. B07-E-001		
—	NOT TO SCALE	B07-E-001		



# DRAWING NOTES:

1. USE EXISTING UNDER FLOOR DUCT FOR POWER WIRING. ALL OUTSIDE FLOOR DUCT WIRING SHALL BE IN CONDUIT.

2. VERIFY WITH WMATA PERSONNEL FOR LOCATION OF RECEPTACLES & JUNCTION BOXES.

3. CONNECT CIRCUIT #19 #21 & #23 TO EXISTING 20A, 1P SPARE CIRCUIT BREAKERS IN THE EXISTING PANEL "LP-F", SEE PANEL SCHEDULE ON DWG. B07-E-102.

4. PROVIDE A ROUGHIN CIRCUIT FOR FUTURE AFC FARE GATE COLLED AT THE KIOSK. THE LENGTH OF COLLED PIGTAIL SHALL BE THE FARTHEST FARE GATE DISTANCE FROM KIOSK PLUS AN EXTRA 6'0" CONDUCTOR.

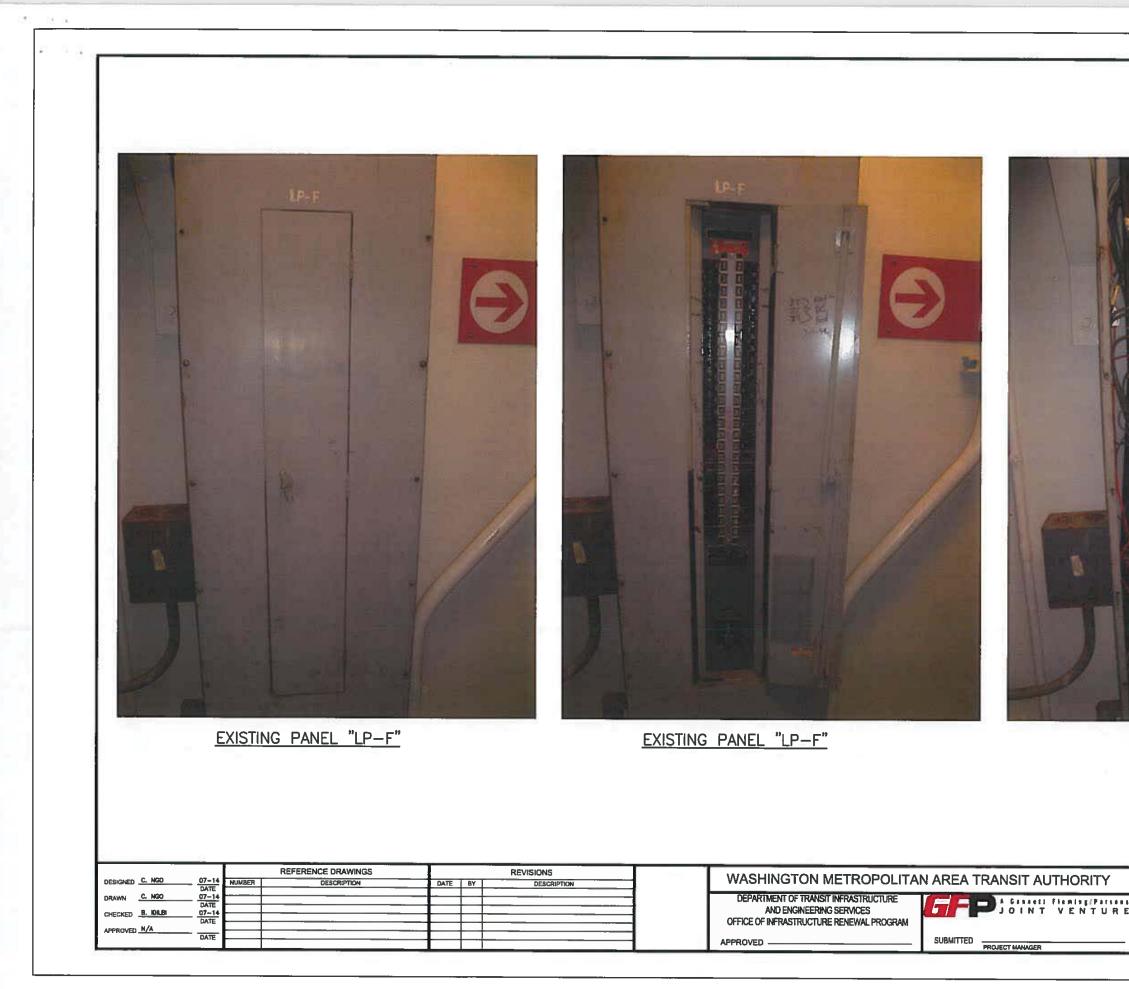
# SAFETY PRECAUTION:

1. ALL WORK SHALL COMPLY WITH WMATA SAFETY RULES AND DE-ENERGIZATION POLICIES.

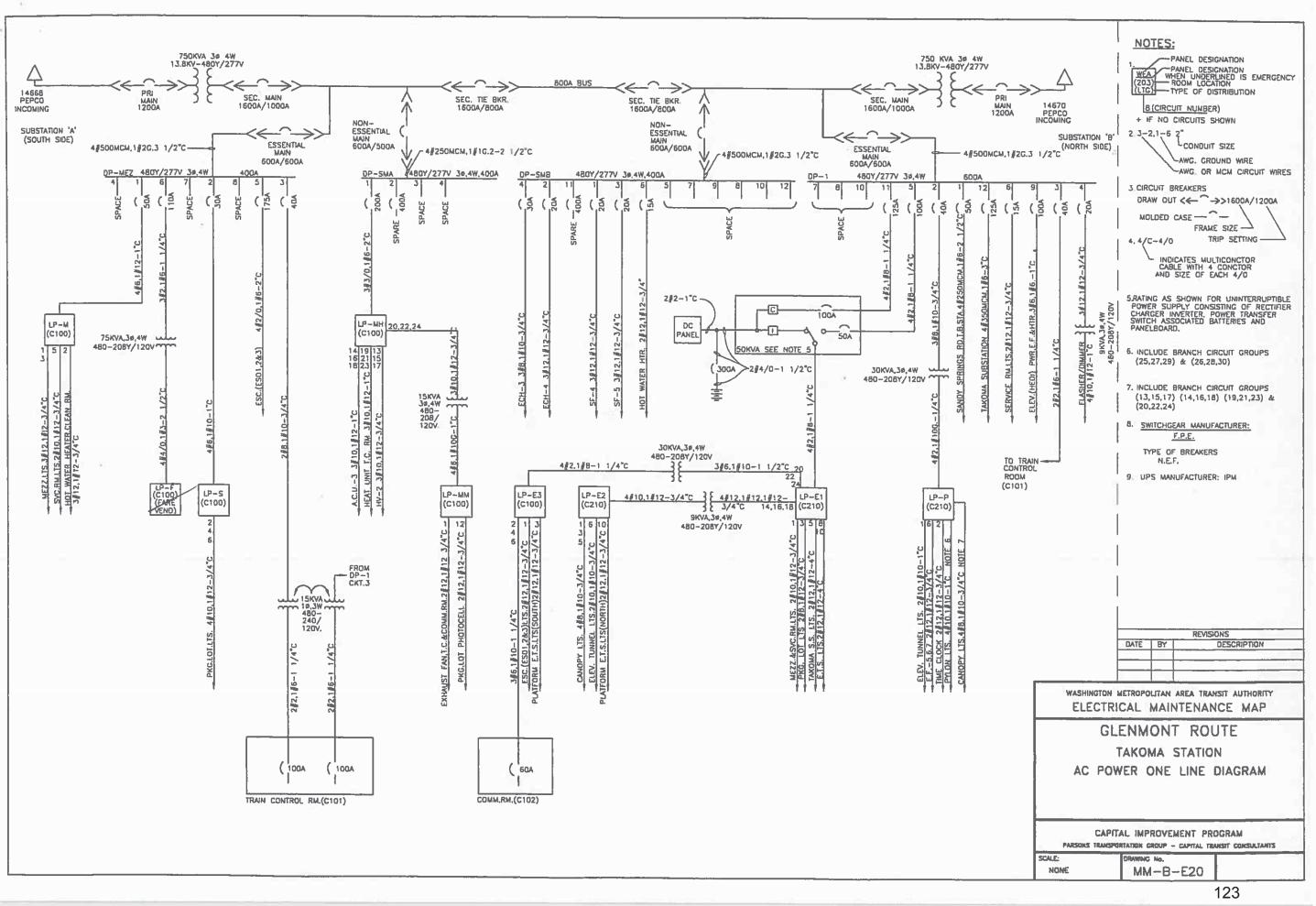
			CONTRACT NO. 14-FQ10060-CENI-24
R E			ATIONS
	SCALE AS SHOWN	DRAWING NO. B07-E-101	

			EXIST	ING PA	NEL '	"  P.F			
	AMPERES: 225	VOLTS: 120/2		and the second se			_	_	
	MAINS: 225AMCB	PHASE: 3		MOUNTING LOCATION:			IPMENT	CARINE	÷T
	RATING: 10KAC	WIRE: 4		SECTION:		112 240	n H(E(A)	OPDINE	
		1	T BKRS			СКТЕ	SKRS T		
	LOAD DESCRIPTION		P POLE			POLE		KVA	LOAD DESCRIPTION
	SPARE	0.8 20		1 A -			20		EXISTING VENDOR
	EXISTING VENDOR	0.8 20		3 - 8	_		20		EXISTING VENDOR
	EXISTING VENDOR	0.8 20	1	5	C 6	1	20	0.0	SPARE
	SPARE	0.6 20	) 1	7 A -	- 8	1	20	0.8	EXISTING VENDOR
	EXISTING VENDOR	0.8 20	1	9 - B	- 10	1	20	0.8	EXIST ING VENDOR
	EXISTING VENDOR	0.8 20	) 1	11	C 12	1	20	0.8	EXISTING VENDOR
	EXISTING VENDOR	0.8 20	) 1	13 A -	- 14	1	20	0.8	EXISTING VENDOR
	EXISTING VENDOR	0.8 20		15 - B	-	1	20		EXISTING VENDOR
	EXISTING VENDOR	0.8 20		17		1	20		SPARE
	NEW KIOSK RECEPT. (IT & NCS)	0.8 20		15 A -		1	20		SPARE
	NEW KIOSK RECEPT. (NEPP/SOC)	+		21 - B	1	1	20		SPARE
	FUTURE AFC FARE GATE	0.0 20		23			20		EXISTING VENDOR
	SPARE	0.0 20		25 A -			20		SPARE
	SPARE	0.0 20		27 - B 29	_		20		SPARE EXISTING VENDOR
	SPARE	0.0 20		29 31 A -	-		20		SPARE
	SPACE	0.0 20		31 A - 33 - B					SPACE
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	EXISTING VENDOR	0.0 20		37 A -	- 38		50		EXIST. KIOSK LOAD CENTER
	SPARE	0.0 20		39 · B		-	-	2.5	and the second s
	EXISTING VENDOR	0.0 20		41	-	-		2.5	
	EXIST ING CONDESING UNIT	1.5 30		43 A -	-	+	20	_	SPARE
		1.5 -	-	45 - B			-		SPACE
		1.5 -	-	47	C 48		- 1	0.0	SPACE
		_			мма	DV			
	LIGHTS			AD SU	MMAI	RY			
	LIGHTS RECEPTACLES FIRST 10 KVA		0.0 x 125%		MMAI	RY			0 KVA
	RECEPTACLES, FIRST 10 KVA	1	0.0 x 125%		MMAI	RY		10.0	0 KVA
	RECEPTACLES, FIRST 10 KVA RECEPTACLES	1	0.0 x 125% 0.0 x 100% 5.6 x 50%		MMAI	RY		10.0 2.8	d KVA B KVA
	RECEPTACLES, FIRST 10 KVA		0.0 x 125% 0.0 x 100% 5.6 x 50% 0.0 x 100%		MMAI	RY		10.0 2.8 0.0	d KVA 8 KVA 0 KVA
	RECEPTACLES, FIRST 10 KVA RECEPTACLES MISC. APPLIANCES		0.0 x 125% 0.0 x 100% 5.6 x 50%		MMAI	RY		10.0 2.8 0.0 0.0	d KVA B KVA
	RECEPTACLES, FIRST 10 KVA RECEPTACLES MISC. APPLIANCES LARGEST MOTOR		0.0 x 125% 0.0 x 100% 5.6 x 50% 0.0 x 100% 0.0 x 125%		MMAI	RY		10.0 2.8 0.0 0.0	0 KVA 8 KVA 0 KVA 0 KVA
	RECEPTACLES, FIRST 10 KVA RECEPTACLES MISC. APPLIANCES LARGEST MOTOR MOTORS		0.0 x 125% 0.0 x 100% 5.6 x 50% 0.0 x 100% 0.0 x 125% 0.0 x 100%		MMAI	RY		10.0 2.8 0.0 0.0 0.0 3.8	0 KVA 8 KVA 0 KVA 0 KVA 0 KVA
	RECEPT ACLES, FIRST 10 KVA RECEPT ACLES MISC. APPLIANCES LARGEST MOTOR MOTORS HEAT AC WATER HEATING		0.0 x 125% 0.0 x 100% 5.6 x 50% 0.0 x 100% 0.0 x 125% 0.0 x 125% 9.0 x 100% 0.0 x 125% 9.0 x 100% 0.0 x 125%		MMAI	RY		10.0 2.8 0.0 0.0 0.0 3.8 9.0	0 KVA 8 KVA 0 KVA 0 KVA 0 KVA 8 KVA
	RECEPTACLES, FIRST 10 KVA RECEPTACLES MISC. APPLIANCES LARGEST MOTOR MOTORS HEAT AC		0.0 x 125% 0.0 x 100% 5.6 x 50% 0.0 x 100% 0.0 x 125% 0.0 x 100% 3.0 x 125% 9.0 x 100%	та	TAL DEM	IAND KV		10.0 2.8 0.0 0.0 3.8 9.0 0.0 <b>25.6</b>	D KVA 8 KVA 0 KVA 0 KVA 9 KVA 9 KVA 0 KVA 0 KVA 6 KVA
	RECEPTACLES, FIRST 10 KVA RECEPTACLES MISC. APPLIANCES LARGEST MOTOR MOTORS HEAT AC WATER HEATING TOTAL CONNECTED LOAD		0.0 x 125% 0.0 x 100% 5.6 x 50% 0.0 x 100% 0.0 x 125% 0.0 x 125% 9.0 x 100% 0.0 x 125% 9.0 x 100% 0.0 x 125%	та		IAND KV		10.0 2.8 0.0 0.0 3.8 9.0 0.0 <b>25.6</b>	0 KVA 8 KVA 0 KVA 0 KVA 9 KVA 9 KVA 0 KVA
·	RECEPTACLES, FIRST 10 KVA RECEPTACLES MISC. APPLIANCES LARGEST MOTOR MOTORS HEAT AC WATER HEATING TOTAL CONNECTED LOAD CONNECTED LOAD PHASE SUMMA		0.0 x 125% 0.0 x 100% 5.6 x 50% 0.0 x 100% 0.0 x 125% 0.0 x 100% 3.0 x 125% 9.0 x 100% 3.0 x 125% 9.0 x 100% 1.25% 1.00% 1.25% 1.25% 1.25% 1.25% 1.25% 1.25% 1.00% 1.25% 1.	та	TAL DEM	IAND KV		10.0 2.8 0.0 0.0 3.8 9.0 0.0 <b>25.6</b>	D KVA 8 KVA 0 KVA 0 KVA 9 KVA 9 KVA 0 KVA 0 KVA 6 KVA
	RECEPTACLES, FIRST 10 KVA RECEPTACLES MISC. APPLIANCES LARGEST MOTOR MOTORS HEAT AC WATER HEAT ING TOTAL CONNECTED LOAD CONNECTED LOAD PHASE SUMMA PHASE A:		0.0 x 125% 0.0 x 125% 0.0 x 100% 5.6 x 50% 0.0 x 100% 0.0 x 125% 0.0 x 100% 3.0 x 125% 9.0 x 100% 7.1 KVA	та	TAL DEM	IAND KV		10.0 2.8 0.0 0.0 3.8 9.0 0.0 <b>25.6</b>	D KVA 8 KVA 0 KVA 0 KVA 9 KVA 9 KVA 0 KVA 0 KVA 6 KVA
	RECEPTACLES, FIRST 10 KVA RECEPTACLES MISC. APPLIANCES LARGEST MOTOR MOTORS HEAT AC WATER HEAT ING TOTAL CONNECTED LOAD CONNECTED LOAD PHASE SUMMA PHASE A: PHASE B:		0.0 x 125% 0.0 x 125% 0.0 x 100% 5.6 x 50% 0.0 x 100% 0.0 x 125% 0.0 x 100% 3.0 x 125% 9.0 x 100% 7.1 KVA 7.1 KVA	та	TAL DEM	IAND KV		10.0 2.8 0.0 0.0 3.8 9.0 0.0 <b>25.6</b>	D KVA 8 KVA 0 KVA 0 KVA 9 KVA 9 KVA 0 KVA 0 KVA 6 KVA
	RECEPTACLES, FIRST 10 KVA RECEPTACLES MISC. APPLIANCES LARGEST MOTOR MOTORS HEAT AC WATER HEATING TOTAL CONNECTED LOAD CONNECTED LOAD PHASE SUMMA PHASE A: PHASE B: PHASE C:		0.0 x 125% 0.0 x 125% 0.0 x 100% 5.6 x 50% 0.0 x 100% 0.0 x 125% 0.0 x 100% 3.0 x 125% 9.0 x 100% 0.0 x 125% 7.1 KVA 7.1 KVA 6.3 KVA	то	TAL DEM	IAND KV	PS	10.0 2.8 0.0 0.0 3.8 9.0 0.0 <b>25.6</b> <b>71.0</b>	0 KVA 8 KVA 0 KVA 0 KVA 8 KVA 8 KVA 0 KVA 6 KVA 0 AMPS
	RECEPTACLES, FIRST 10 KVA RECEPTACLES MISC. APPLIANCES LARGEST MOTOR MOTORS HEAT AC WATER HEAT ING TOTAL CONNECTED LOAD CONNECTED LOAD PHASE SUMMA PHASE A: PHASE B:		0.0 x 125% 0.0 x 125% 0.0 x 100% 5.6 x 50% 0.0 x 100% 0.0 x 125% 0.0 x 100% 3.0 x 125% 9.0 x 100% 0.0 x 125% 7.6 KVA 7.1 KVA 6.3 KVA M 277/48	TC TC 807, 3#, 4W	TAL DEM	IAND KV/	PS "DP-M	10.0 2.8 0.0 0.0 3.8 9.0 0.0 25.6 71.0	0 KVA 8 KVA 0 KVA 0 KVA 0 KVA 8 KVA 0 KVA 0 KVA 0 KVA 0 AMPS
·	RECEPTACLES, FIRST 10 KVA RECEPTACLES MISC. APPLIANCES LARGEST MOTOR MOTORS HEAT AC WATER HEATING TOTAL CONNECTED LOAD CONNECTED LOAD PHASE SUMMA PHASE A: PHASE B: PHASE D: PHASE C: NOTES: A. EXISTING PANEL "LP- CABINET RM. C100, C B. EXISTING WIRING FED	ARY F" IS FED FRO CIRCUIT #6-110 FROM BOTTOM	0.0 x 125% 0.0 x 125% 0.0 x 100% 5.6 x 50% 0.0 x 100% 0.0 x 125% 0.0 x 100% 3.0 x 125% 9.0 x 100% 0.0 x 125% 7.6 KVA 7.1 KVA 7.1 KVA 6.3 KVA DM 277/44 0A/3P VIA I OF PANEL	TC TC ЮV, 3ø, 4W 75KVA TRA BY:	TAL DEM	IAND KV/	PS "DP-M	10.0 2.8 0.0 0.0 3.8 9.0 0.0 25.6 71.0	0 KVA 8 KVA 0 KVA 0 KVA 0 KVA 8 KVA 0 KVA 0 KVA 6 KVA 0 AMPS
	RECEPT ACLES, FIRST 10 KVA RECEPT ACLES MISC. APPLIANCES LARGEST MOTOR MOTORS HEAT AC WATER HEATING TOTAL CONNECTED LOAD CONNECTED LOAD PHASE SUMMA PHASE A: PHASE A: PHASE B: PHASE C: NOTES: A. EXISTING PANEL "LP- CABINET RM. C100, C B. EXISTING WIRING FED • 2-6"x 1 1/2"	ARY	0.0 x 125% 0.0 x 125% 0.0 x 100% 5.6 x 50% 0.0 x 100% 0.0 x 125% 0.0 x 100% 0.0 x 125% 7.1 KVA 7.1 KVA 7.1 KVA 7.1 KVA 7.1 KVA 1.1 KVA	TC TC KOV, 3ø, 4W 75KVA TKVA L BY: LL >40%).	TAL DEM	IAND KV/	PS "DP-M	10.0 2.8 0.0 0.0 3.8 9.0 0.0 25.6 71.0	0 KVA 8 KVA 0 KVA 0 KVA 0 KVA 8 KVA 0 KVA 0 KVA 6 KVA 0 AMPS
	RECEPT ACLES, FIRST 10 KVA RECEPT ACLES MISC. APPLIANCES LARGEST MOTOR MOTORS HEAT AC WATER HEATING TOTAL CONNECTED LOAD CONNECTED LOAD PHASE SUMMA PHASE A: PHASE A: PHASE B: PHASE C: NOTES: A. EXISTING PANEL "LP- CABINET RM. C100, C B. EXISTING WIRING FED • 2-6"x 1 1/2"	ARY	0.0 x 125% 0.0 x 125% 0.0 x 100% 5.6 x 50% 0.0 x 100% 0.0 x 125% 0.0 x 100% 3.0 x 125% 9.0 x 100% 0.0 x 125% 7.1 KVA 7.1 KVA 7.1 KVA 7.1 KVA 7.1 KVA 0.1 OF PANEL (WIRING FIL WIRING FIL	TC TC KOV, 3#, 4W 75KVA TRA L BY: LL >40%).	TAL DEM	IAND KV/	PS "DP-M	10.0 2.8 0.0 0.0 3.8 9.0 0.0 25.6 71.0	0 KVA 8 KVA 0 KVA 0 KVA 0 KVA 8 KVA 0 KVA 0 KVA 6 KVA 0 AMPS
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	RECEPTACLES, FIRST 10 KVA RECEPTACLES MISC. APPLIANCES LARGEST MOTOR MOTORS HEAT AC WATER HEATING TOTAL CONNECTED LOAD CONNECTED LOAD PHASE SUMMA PHASE A: PHASE B: PHASE D: PHASE C: NOTES: A. EXISTING PANEL "LP- CABINET RM. C100, C B. EXISTING WIRING FED • 2-6"x 1 1/2" I • 1-4"x 1 1/2" I EXISTING WIRING FED • 2-3'/4" C. (WIR EXISTING WIRING FED	ARY	0.0 x 125% 0.0 x 125% 0.0 x 100% 5.6 x 50% 0.0 x 100% 0.0 x 125% 0.0 x 100% 3.0 x 125% 7.1 KVA 7.1 KVA 7.1 KVA 7.1 KVA 6.3 KVA 0.0 x 125% 7.6 KVA 0.0 x 125% 7.1 KVA 6.3 KVA 0.0 F PANEL (WIRING FILL (). 1 CF PANEL B 1 RING FILL ().	TC TC KOV, 3#, 4W 75KVA TRA L BY: LL >40%). C : >40%).	TAL DEM	IAND KV/	PS "DP-M	10.0 2.8 0.0 0.0 3.8 9.0 0.0 25.6 71.0	0 KVA 8 KVA 0 KVA 0 KVA 9 KVA 0 KVA 0 KVA 0 AMPS CATED IN FIRE EQUIPMENT 5. MM-B-E20).
	RECEPT ACLES, FIRST 10 KVA RECEPT ACLES MISC. APPLIANCES LARGEST MOTOR MOTORS HEAT AC WATER HEATING TOTAL CONNECTED LOAD CONNECTED LOAD PHASE SUMMA PHASE A: PHASE B: PHASE C: NOTES: A. EXISTING PANEL "LP- CABINET RM. C100, C B. EXISTING WIRING FED • 2-6"x 1 1/2" I • 1-4"x 1 1/2" I EXISTING WIRING FED • 1-3" C. TO TRA • 2-3/4" C. (WIR	II II II II II II II II II III IIIII III III III IIII IIII IIII IIII IIII IIII IIII IIIII IIII IIII IIII IIII IIII IIII IIII IIII IIII IIII IIII IIIII IIII IIII IIII IIII IIII IIII IIII IIII IIII IIII IIII IIII IIII IIII IIII IIII IIIII IIII IIIII IIIIII	0.0 x 125% 0.0 x 125% 0.0 x 100% 5.6 x 50% 0.0 x 100% 0.0 x 125% 0.0 x 100% 3.0 x 125% 9.0 x 100% 3.0 x 125% 7.6 KVA 7.1 KVA 7.1 KVA 6.3 KVA 0.0 x 125% 7.6 KVA 0.0 x 125% 7.6 KVA 0.0 x 125% 7.7 KVA 0.0 x 125% 7.6 KVA 0.0 x 125% 7.1 KVA 6.3 KVA 0.0 PANEL (WIRING FILL RING FILL 6.) DE OF PAK	TC TC KOV, 3#, 4W 75KVA TRA L BY: LL >40%). L >40%). (: >40%). NEL BY:	TAL DEM TAL DEM EXISTING	iand KV/ Iand Am G. Panel R. (See	*DP-MI ATTACHE	10.0 2.8 0.0 0.0 3.8 9.0 0.0 25.6 71.0	0 KVA 8 KVA 0 KVA 0 KVA 9 KVA 9 KVA 0 KVA 0 KVA 0 AMPS CATED IN FIRE EQUIPMENT . MM-B-E20).
	RECEPTACLES, FIRST 10 KVA RECEPTACLES MISC. APPLIANCES LARGEST MOTOR MOTORS HEAT AC WATER HEATING TOTAL CONNECTED LOAD CONNECTED LOAD PHASE SUMM/ PHASE A: PHASE B: PHASE C: NOTES: A. EXISTING PANEL "LP- CABINET RM. C100, C B. EXISTING WIRING FED 0 2-6"x 1 1/2" EXISTING WIRING FED 0 1-3" C. TO TRA 0 2-3/4" C. (WIR EXISTING WIRING FED 0 2-3/4" C. (WIR	II II II II II II II II II III IIIII III III III IIII IIII IIII IIII IIII IIII IIII IIIII IIII IIII IIII IIII IIII IIII IIII IIII IIII IIII IIII IIIII IIII IIII IIII IIII IIII IIII IIII IIII IIII IIII IIII IIII IIII IIII IIII IIII IIIII IIII IIIII IIIIII	0.0 x 125% 0.0 x 125% 0.0 x 100% 5.6 x 50% 0.0 x 100% 0.0 x 125% 0.0 x 100% 3.0 x 125% 9.0 x 100% 3.0 x 125% 7.6 KVA 7.1 KVA 7.1 KVA 6.3 KVA 0.0 x 125% 7.6 KVA 0.0 x 125% 7.6 KVA 0.0 x 125% 7.7 KVA 0.0 x 125% 7.6 KVA 0.0 x 125% 7.1 KVA 6.3 KVA 0.0 PANEL (WIRING FILL RING FILL 6.) DE OF PAK	TC TC KOV, 3#, 4W 75KVA TRA L BY: LL >40%). L >40%). (: >40%). NEL BY:	TAL DEM TAL DEM EXISTING	iand KV/ Iand Am G. Panel R. (See	*DP-MI ATTACHE	10.0 2.8 0.0 0.0 3.8 9.0 0.0 25.6 71.0 FEZ** LOI ED DWG.	0 KVA 8 KVA 0 KVA 0 KVA 9 KVA 9 KVA 9 KVA 0 KVA 0 AMPS CATED IN FIRE EQUIPMENT . MM-B-E20). CONIC PAY PRO
BER DESCRIPTION DATE BY DESCRIPTION DESCRIPTION DEPARTMENT OF TRANSIT	RECEPTACLES, FIRST 10 KVA RECEPTACLES MISC. APPLIANCES LARGEST MOTOR MOTORS HEAT AC WATER HEATING TOTAL CONNECTED LOAD CONNECTED LOAD PHASE SUMMA PHASE A: PHASE B: PHASE C: NOTES: A EXISTING PANEL "LP- CABINET RM. C100, C B. EXISTING WIRING FED • 2-6"x 1 1/2" I EXISTING WIRING FED • 1-3" C. TO TRA • 2-3/4" C. (WIR EXISTING WIRING FED • 2-3/4" C. (WIR EXISTING WIRING FED • 2-3/4" C. (WIR	TET IS FED FRO CIRCUIT #6-110 FROM BOTTOM FLOOR DUCTS ( FLOOR DUCT (V FROM TOP OF ANSFORMER (WI RING FILL >40% FROM LEFT SIL RANSIT A	0.0 x 125% 0.0 x 125% 0.0 x 100% 5.6 x 50% 0.0 x 100% 0.0 x 125% 0.0 x 100% 3.0 x 125% 9.0 x 100% 0.0 x 125% 9.0 x 100% 0.0 x 125% 7.1 KVA 7.1 KVA 7.1 KVA 7.1 KVA 6.3 KVA DM 277/4R 0.4 JP VAN 1 OF PANEL WIRING FILL PANEL B' IRING FILL 5). DE OF PANE ().	TC TC KOV, 3#, 4W 75KVA TRA L BY: LL >40%). (: >40%). (: >40%). NEL BY: NEL BY:	TAL DEM TAL DEM EXISTING	iand KV/ Iand Am G. Panel R. (See	*DP-MI ATTACHE	10.0 2.8 0.0 0.0 3.8 9.0 0.0 25.6 71.0 FEZ** LOI ED DWG.	0 KVA 8 KVA 0 KVA 0 KVA 0 KVA 9 KVA 0 KVA 0 KVA 0 AMPS CATED IN FIRE EQUIPMENT CATED IN FIRE EQUIPMENT 1 MM-B-EZO).
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	RECEPTACLES, FIRST 10 KVA RECEPTACLES MISC. APPLIANCES LARGEST MOTOR MOTORS HEAT AC WATER HEATING TOTAL CONNECTED LOAD CONNECTED LOAD PHASE SUMMA PHASE A: PHASE B: PHASE C: NOTES: A EXISTING PANEL "LP- CABINET RM. C100, C B. EXISTING WIRING FED • 2-6"x 1 1/2" I EXISTING WIRING FED • 1-3" C. TO TRA • 2-3/4" C. (WIR EXISTING WIRING FED • 2-3/4" C. (WIR EXISTING WIRING FED • 2-3/4" C. (WIR	TET IS FED FRO CIRCUIT #6-110 FROM BOTTOM FLOOR DUCTS ( FLOOR DUCT (V FROM TOP OF ANSFORMER (WI RING FILL >40% FROM LEFT SIL RANSIT A	0.0 x 125% 0.0 x 125% 0.0 x 100% 5.6 x 50% 0.0 x 100% 0.0 x 125% 0.0 x 100% 3.0 x 125% 9.0 x 100% 0.0 x 125% 9.0 x 100% 0.0 x 125% 7.1 KVA 7.1 KVA 7.1 KVA 7.1 KVA 6.3 KVA DM 277/4R 0.4 JP VAN 1 OF PANEL WIRING FILL PANEL B' IRING FILL 5). DE OF PANE ().	TC TC KOV, 3#, 4W 75KVA TRA L BY: LL >40%). (: >40%). (: >40%). NEL BY: NEL BY:		IAND KV/ IAND AM G PANEL R (SEE	PS *DP-MI ATTACHE	10.0 2.8 0.0 0.0 3.8 9.0 0.0 25.6 71.0 FEZ** LOI ED DWG.	0 KVA 8 KVA 0 KVA 0 KVA 0 KVA 9 KVA 0 KVA 0 KVA 0 AMPS CATED IN FIRE EQUIPMENT CATED IN FIRE EQUIPMENT 1 MM-B-EZO).





EXISTING PANEL "	<u>'LP-F"</u>	
	14-6	ACT NO. FQ10060-CENI-24
	TAKOMA BOARD IMAGE	GRAM (NEPP) ONS
- NOT TO SCALE	DRAWING NO. B07-E-301	



- 1. ALL WORK, MATERIAL AND EQUIPMENT SHALL COMPLY WITH THE LATEST NATIONAL ELECTRICAL CODE BEING USED BY THE LOCAL JURISDICTION AND SHALL COMPLY WITH ALL LOCAL CODES AND ORDINANCES.
- 2. MATERIALS AND EQUIPMENT SHALL BE NEW EXCEPT WHERE INDICATED OTHERWISE. ALL OTHER WIRING DEVICES, CONDUIT, WIRE, ETC. SHALL BE NEW UNLESS NOTED OTHERWISE.
- 3. ALL MATERIALS AND EQUIPMENT SHALL BEAR U.L. LISTING.
- MAINTAIN GROUNDING CONTINUITY TO ALL DEVICES AND EQUIPMENT IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE.
- 5. WORK NOT SPECIFICALLY SPECIFIED OR INDICATED SHALL CONFORM WITH SPECIFICATIONS.
- 6. ALL CONDUITS SHALL BE RUN CONCEALED IN UNDER FLOOR DUCT.
- 7. ALL WIRE AND CABLE SHALL BE COPPER HAVING 600 VOLTS XHHW-2 OR RHW-2 INSULATIONS. PROVIDE #12 WIRE MINIMUM, UNLESS OTHERWISE NOTED. ALL CABLES SHALL BE LOW SMOKE ZERO HALOGEN
- 8. THE CONTRACTOR SHALL VISIT THE SITE AND EXAMINE THE CONDITION OF THE PREMISES AND THE CHARACTER AND EXTENT OF WORK REQUIRED PRIOR TO SUBMISSION OF BIDS.
- 9. OBTAIN ALL PERMITS AND PAY ALL FEES NECESSARY FOR INSPECTIONS, TESTS & OTHER SERVICES REQUIRED FOR THE COMPLETION OF THIS WORK
- 10. ALL WORK SHALL BE DONE AT SUCH TIMES AND IN SUCH A MANNER THAT WILL LEAST INTERFERE WITH THE MAINTENANCE AND OPERATION OF ALL RELATED OR AFFECTED SYSTEMS. COORDINATE ALL POWER OUTAGES WITH WMATA PROJECT MANAGER.
- 11. IT IS THE INTENT OF THESE DRAWINGS AND OTHER RELATED DOCUMENTS TO PRODUCE A COMPLETE AND FUNCTIONING ELECTRICAL SYSTEM. PROVIDE ALL LABOR, MATERIAL AND OTHER SERVICES NECESSARY TO ACHIEVE THIS PRODUCT. NOTIFY THE ENGINEER OF ANY DISCREPANCIES IN THE PLANS & SPECIFICATIONS THAT WILL AFFECT THE WORK, PRIOR TO SUBMISSION OF THE BID PRICE.
- 12. IF, DURING THE COURSE OF THE WORK, THE CONTRACTOR EXPERIENCES A CONFLICT RELATIVE TO THE PLANS AND SPECIFICATIONS, THE NEC OR OTHER APPLICABLE CODES AND GOVERNING DOCUMENTS. HE SHALL NOTIFY THE ENGINEER FOR DIRECTION PRIOR TO EXECUTION OF THIS WORK. ANY WORK INSTALLED IN VIOLATION OF THE CONTRACT DOCUMENT OR APPLICABLE CODES WHICH COULD HAVE BEEN AVOIDED BY CONTACTING THE ENGINEER SHALL BE RECTIFIED AT NO ADDITIONAL COST
- 13. ELECTRICAL PLANS ARE DIAGRAMMATIC & INDICATE GENERAL ARRANGEMENT OF SYSTEMS AND WORK. CHECK DRAWINGS OF OTHER TRADES TO VERIFY SPACE CONDITIONS, ETC. MAINTAIN WORKING CLEARANCES.
- 14. CIRCUIT NUMBERS ARE FOR IDENTIFICATION PURPOSES ONLY. THE CONTRACTOR IS RESPONSIBLE FOR CORRECTLY PHASING THE CIRCUITS IN THE PANEL AND SHALL BALANCE THE LOAD ON THE PHASES UNDER NORMAL OPERATING CONDITIONS. PROVIDE TYPEWRITTEN PANELBOARD DIRECTORIES. BALANCE THE PHASE LOADS TO WITHIN 20 PERCENT OF EACH OTHER.

- 15. INCREASE ALL BRANCH CIRCUIT CONDUCTORS TO THE NEXT LARGER SIZE FROM THE PANEL TO THE FIRST OUTLET WHERE THE LENGTH OF THE HOMERUN EXCEEDS 100FT. ON 120/208V CIRCUITS.
- 16. PROVIDE A PULLWIRE OR FISHTAPE/CORD IN ALL EMPTY CONDUIT RUNS.
- 17. VERIFY WIRE SIZES, CIRCUIT BREAKERS AND FUSES RATINGS FOR ALL EQUIPMENT, AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES AFFECTING THE WORK PRIOR TO PROCEEDING.
- 18. ALL PANELS IMPACTED BY THIS PROJECT SHALL BE PROVIDED WITH NEW, UPDATED TYPEWRITTEN PANEL SCHEDULES (FOR NEW AND EXISTING CIRCUITS) INDICATING THE FINAL ROOM NUMBER AND THE EQUIPMENT OR DEVICES SERVED BY THE CIRCUITS.
- 19. DEMOLITION OF EXISTING WORK SHALL BE PERFORMED AFTER HOURS. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE WMATA PROJECT MANAGER PRIOR TO PERFORMING ALL THE WORK, THE TIME OF DAY OR EVENING SHALL BE DESIGNATED BY THE WMATA PROJECT MANAGER.
- 20. ALL WIRING SHALL BE IN CONDUIT, MINIMUM SIZE 3/4 INCH WITH LARGER SIZES AS INDICATED OR REQUIRED BY NEC. ALL CONDUITS SHALL BE RIGID GALVANIZED STEEL THREADED COUPLING FOR COMPLETE WATER PROOF INSTALLATION.
- 21. AT JOB COMPLETION, AND BEFORE FINAL ACCEPTANCE BY WMATA, TEST EACH RECEPTACLE AND PANELBOARD FOR PROPER OPERATION. WIRING SHALL BE TESTED FOR CONTINUITY, SHORTS, ETC ... ALL WORK AREAS, ETC.. SHALL BE CLEANED AT THE COMPLETION OF THIS PROJECT.
- 22. FOR DEVICE IDENTIFICATION, THE ELECTRICAL CONTRACTOR SHALL LABEL ALL PANELBOARDS, JUNCTION BOXES, ETC..TO INDICATE THE NAME, VOLTAGE, SERVING EQUIPMENT AND ITEM SERVED ETC ... LABELS FOR EMERGENCY CIRCUITS SHALL BE IN RED, NORMAL CIRCUITS SHALL BE IN BLACK. ALL DEVICES SHALL BE IDENTIFIED EITHER ON THE FACE OF THE COVERPLATE OR INSIDE PER WMATA PREFERENCE. ALL JUNCTION BOXES SHALL BE LABELED TO INDICATE THE CIRCUITS CONTAINED BY THE JUNCTION BOX.
- 23. THE CONTRACTOR SHALL UPDATE THE SCHEDULES OF ALL PANELBOARDS AFFECTED BY THIS PROJECT TO REFLECT CHANGES DUE TO THE PROJECT WORK. PANEL SCHEDULE LOAD DESCRIPTIONS ARE TO INCLUDE THE FINAL ROOM OR AREA NUMBERS.
- 24, INCLUDE GPR FOR ANY CORE DRILLS OR DRILLED PENETRATIONS IN ANY WALLS.
- 25. SEAL OFF ALL PENETRATIONS THRU WALLS/FLOORS.
- 26. THE CONTRACTOR SHALL BECOME FAMILIAR WITH WMATA DESIGN CRITERIA SECTION 4 AND SECTION 13; WMATA SPECIFICATION SECTION 16120, 16130, AND 16125. ALL INSTALLATION SHALL BE IN COMPLIANCE WITH THE NEC, WMATA DESIGN CRITERIA, AND SPECIFICATIONS.
- 27. THE CONTRACTOR SHALL IDENTIFY SPARE CIRCUIT WITH "RESERVED FOR AFC".
- 28. EXISTING SWITCHBOARDS, PANELBOARDS AND EQUIPMENT SHOWN IS BASED ON RECORD DRAWINGS AND CASUAL FIELD SURVEY. CONTRACTOR SHALL VERIFY ALL ELECTRICAL EQUIPMENT IN FIELD.
- 29. The conduit utilized for this project shall be 1-1/2" min. or larger as indicated. The liquid tight utilized for the kiosk shall be 1-1/2" from the entry to the 8x8 junction box, then 1" from the junction box to the quads. All boxes used in or on the kiosk shall be NEMA 4x.

# **ABBREVIATIONS**

A, AMP	AMPERES	NEC	NATIONAL ELECTRIC CODE
AC	ALTERNATING CURRENT	Р	POLE
AF	AMPERE FRAME	PH	PHASE
AFC	AUTOMATED FARE COLLECTION SYSTEM	PNL	PANELBOARD
AFF	ABOVE FINISHED FLOOR	PRI	PRIMARY
AIC		PROP	PROPOSED
AT	AMPERE TRIP	RGS	RIGID GALVANIZED STEEL
BKR	BREAKER	SEC	SECONDARY
С	CONDUIT	SHT	SHEET
СВ	CIRCUIT BREAKER	SW	SWITCH
сст	CIRCUIT	SWBD	SWITCHBOARD
ç	CENTER LINE	TYP	TYPICAL
CLG	CEILING	U/G	UNDER GROUND
CONST	CONSTRUCTION	Ų.L.	UNDERWRITERS LABORATORIES
DISC	DISCONNECT	UON	UNLESS OTHERWISE NOTED
E	ELECTRICAL	VOLT	VOLTAGE
GND	GROUND	W	WATT
JB	JUNCTION BOX	WMATA	WASHINGTON METROPOLITIAN AREA TRANSIT AUTHORITY
KAIC	THOUSAND AMPERE INTERRUPTING CAPACITY	WP	WEATHERPROOF
KCMIL	THOUSAND CIRCULAR MILL		
KVA	KILOVOLT AMPERE		
MAX	MAXIMUM		
MCA	MINIMUM CIRCUIT AMPERE		
мсв	MAIN CIRCUIT BREAKER		
MEZZ	MEZZANINE		
MIN	MINIMUM		
MLO	MAIN LUGS ONLY		

		REFERENCE DRAWINGS			REVISIONS	WASHINGTON METROPOLITAN AREA TRANSIT AUTHORIT
DESIGNED C. NGO D7-	14 NUMB	ER DESCRIPTION	DATE	BY	DESCRIPTION	
DRAWN C. NGO 07-	-14		1	+		DEPARTMENT OF TRANSIT INFRASTRUCTURE
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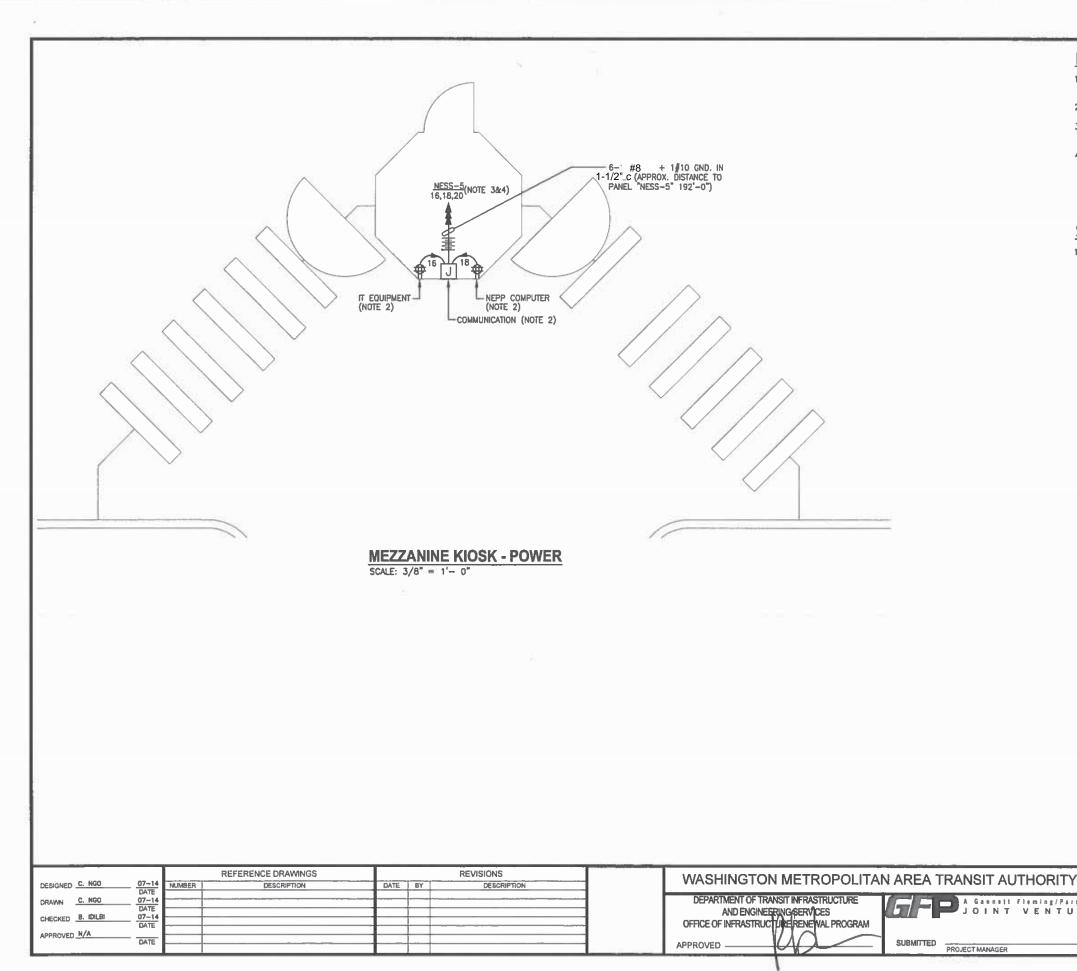
### DRAWING INDEX

B11-E-001	ABBREVIATIONS, DRAWING INDEX, SPECIFICATIONS & SYMBOL LIST
B11-E-101	GLENMONT - MEZZANINE KIOSK - POWER
B11-E-102	GLENMONT - PANEL SCHEDULE
B11-E-301	GLENMONT - PANELBOARD IMAGE
MM-B-E29	GLENMONT - AC POWER ONE LINE DIAGRAM

## ELECTRICAL SYMBOL LIST

Ŧ	QUADRUPLEX RECEPTACLE OUTLET- 20A, 125V WALL MOUNTED.
J	JUNCTION BOX - SURFACE MOUNTED ON UNISTRUT CHANNEL
$\frown$	CONDUIT - CONCEALED IN UNDER FLOOR DUCT U.O.N.
EF 3,5	HOMERUN TO PANEL, NUMBER OF ARROWHEADS INDICATES NUMBER OF CIRCUITS. CROSS HATCHING INDICATES NUMBER OF CONDUCTORS, NUMBER INDICATES SIZE OF CONDUCTOR AND SIZE OF CONDUIT
	CONTRACT NO. 14-FQ10060-CENI-24
NEW	ELECTRONIC PAY PROGRAM (NEPP)
1.0.5	IN METRORAIL STATIONS
E	ABBREVIATIONS, DRAWING INDEX, SPECIFICATIONS & SYMBOL LIST
- NOT TO S	DRAWING NO.
	SCALE B11-E-001

<sup>124</sup> 



## DRAWING NOTES:

- 1. USE EXISTING UNDER FLOOR DUCT FOR POWER WIRING. ALL OUTSIDE FLOOR DUCT WIRING SHALL BE IN CONDUIT.
- 2. VERIFY WITH WMATA PERSONNEL FOR LOCATION OF RECEPTACLES & JUNCTION BOXES.
- 3. CONNECT CIRCUIT #16 #18 & #20 TO EXISTING 20A, 1P SPARE CIRCUIT BREAKERS IN THE EXISTING PANEL "NESS-5", SEE PANEL SCHEDULE ON DWG. B11-E-102.
- 4. PROVIDE A ROUGHIN CIRCUIT FOR FUTURE AFC FARE GATE COILED AT THE KIOSK. THE LENGTH OF COILED PIGTAIL SHALL BE THE FARTHEST FARE GATE DISTANCE FROM KIOSK PLUS AN EXTRA 6'0" CONDUCTOR.

## SAFETY PRECAUTION:

1. ALL WORK SHALL COMPLY WITH WMATA SAFETY RULES, AND DE-ENERGIZATION POLICIES.

		100	NTRACT NO.
			4-FQ10060-CENI-24
RE	(	C PAY PRC ORAIL STA GLENMONT NE KIOSK - PO	FIONS (
	SCALE AS SHOWN	DRAWING NO. B11-E-101	
			125

							EXISTI	NG F	PANEL	"NES	S-5"			
					AMPERES: 400	VOLTS:	120/208	MOUN	TING: SUF	FACE				
					MAINS: 250AMCB	PHASE:	3	LOCAT	TION: ELE	C. EQUIP	MENT RO	DOM C10	3	
					RATING: 10K AC	WIRE:	4	SECTI	ON: 1 OF	1				
							CKT BKRS	CKT.	СК	T. CK	t BKRS			
					LOAD DESCRIPTION	KVA	AMP POLI	E NO.	N	). POLE	AMP	KVA	LOAD DE	CRIPTION
					EXIST. KIOSK LOAD CENTER *KES	2.9	40 3		A • • 2		20			
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						2.5	• •		C 6		20		+	
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					EXISTING VENDOR	0.8	20 1		C 1	_	20		EXISTING VENDO	
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					EXISTING VENDOR	0.8	20 1	15			20		NEW KIOSK REC	
					EXISTING VENDOR	0.8	20 1		C 1	_	20		NEW KIOSK REC	
					EXISTING VENDOR	0.8	20 1		A 2	_	20		FUTURE AFC FA	
					EXISTING VENDOR	0.8	20 1		- B - 2		20		EXISTING VENDO	
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					RECEPTACLES, FIRST 10 KVA RECEPTACLES	-	0.0 x 125 10.0 x 100 14.4 x 50%	% % 6	SUMM	ARY		10. 7.1	0 KVA 2 KVA	
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					RECEPTACLES, FIRST 10 KVA RECEPTACLES MISC. APPLIANCES LARGEST MOTOR	-	0.0 x 125 10.0 x 100 14.4 x 509 0.0 x 100 0.0 x 125	% % %	SUMM	ARY		10. 7.3 0.1 0.1	d KVA 2 KVA 0 KVA 0 KVA	
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					RECEPTACLES, FIRST 10 KVA RECEPTACLES MISC. APPLIANCES LARGEST MOTOR MOTORS HEAT	-	0.0 x 125 10.0 x 100 14.4 x 509 0.0 x 100 0.0 x 125 0.0 x 100 3.0 x 125	% % % % %	SUMM	ARY		10. 7.1 0.1 0.1 0.1	d KVA 2 KVA 0 KVA 0 KVA	
					RECEPTACLES, FIRST 10 KVA RECEPTACLES MISC. APPLIANCES LARGEST MOTOR MOTORS HEAT AC		0.0 x 125 10.0 x 100 14.4 x 509 0.0 x 100 0.0 x 125 0.0 x 100 3.0 x 125 4.5 x 100	% % % % % %	SUMM	ARY		10. 7. 0. 0. 0. 3.	0 KVA 2 KVA 0 KVA 0 KVA 0 KVA	
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					RECEPTACLES, FIRST 10 KVA RECEPTACLES MISC. APPLIANCES LARGEST MOTOR MOTORS HEAT AC WATER HEATING TOTAL CONNECTED LOAD CONNECTED LOAD PHASE SUMM	-	0.0 x 125 10.0 x 100 14.4 x 509 0.0 x 100 0.0 x 125 0.0 x 100 3.0 x 125 4.5 x 100 0.0 x 125 4.5 x 100 0.0 x 125 31.9 KVA	% % % % % %	TOTAL D	EMAND		10. 7.3 0. 0. 0. 3. 3. 4. 4. 0. 25.	0 KVA 2 KVA 0 KVA 0 KVA 8 KVA 8 KVA 5 KVA 0 KVA 5 KVA	
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NUMBER DESCRIPTION DATE BY DESCRIPTION	DATE BY DESCRIPTION	NVA VVA			RECEPTACLES, FIRST 10 KVA RECEPTACLES MISC. APPLIANCES LARGEST MOTOR MOTORS HEAT AC WATER HEATING TOTAL CONNECTED LOAD CONNECTED LOAD PHASE SUMM PHASE A: PHASE B: PHASE B: PHASE C: NOTES: A. EXISTING PANEL "NI RM. 105, CIRCUIT ( B. EXISTING WIRING FE • 1–12"x 10"0" EXISTING WIRING FE • 2–3/4" C. TO EXISTING WIRING FE • 1–3/4" C. TO EXISTING WIRING FE	IARY ESS-5" IS I7-125A/3 2D FROM B WIRE TRO 2D FROM TRO IN FROM C TRANSFORM 2D FROM L 2D (WIRING D 4 WIRING D 4 TRA	0.0 x 125 10.0 x 100 14.4 x 509 0.0 x 125 0.0 x 100 3.0 x 125 4.5 x 100 0.0 x 125 3.0 x 125 3.0 x 125 3.1 x KVA 10.1 KVA 11.3 KVA 11.3 KVA 11.3 KVA 11.3 KVA FED FROM : 3P VIA 75KVA 100TOM OF P VIA 75KVA 100TOM OF P VIA 75KVA 11.3 KVA FED FROM : 3P VIA 75KVA 11.3 KVA FED FROM : 3P VIA 75KVA INCLESSION OF P INCLESSION	% % % % % % % % % % % % % % % % % % %	TOTAL D TOTAL D TOTAL D DV, 3ø, 4W FORMER (S FORMER (S F): DRITY DRITY	EMAND A EMAND A EXISTING EE ATTAC >40%).	AMPS 3 PANEL CHED DW	10.1 7.3 0.1 0.1 3.3 4.4 0.1 25.2 70.7 *ЕМЕКС УС. ММ-	0 KVA 2 KVA 0 KVA 0 KVA 8 KVA 5 KVA 5 KVA 5 KVA 7 AMPS EENCY <sup>®</sup> LOCATED 8-E29).	PAY PR
NUMBER DESCRIPTION DATE BY DESCRIPTION				DEPARTMENT OF TRANSIT I	RECEPTACLES, FIRST 10 KVA RECEPTACLES MISC. APPLIANCES LARGEST MOTOR MOTORS HEAT AC WATER HEATING TOTAL CONNECTED LOAD CONNECTED LOAD PHASE SUMM PHASE A: PHASE B: PHASE D: PHASE C: NOTES: A. EXISTING PANEL "NI RM. 105, CIRCUIT & B. EXISTING WIRING FE • 112"x 10" EXISTING WIRING FE • 2-3/4" C. TO EXISTING WIRING FE • 13/4" C. TO ETROPOLITAN AREA	IARY ESS-5" IS I7-125A/3 DD FROM B WIRE TRO ED FROM TR WIRING FIL ED FROM R TRANSFORM ID FROM LD O (WIRING I A TRA	0.0 x 125 10.0 x 100 14.4 x 509 0.0 x 100 0.0 x 125 0.0 x 100 3.0 x 125 4.5 x 100 0.0 x 125 3.19 KVA 10.1 KVA 11.3 KVA 11.3 KVA 11.3 KVA FED FROM : 50P VIA 75KVA 10TTOM OF P. UGH W/3-2' 0P OF PANEL > 40%). INCHT SIDE OF FILL >40%). NSIT AU A Gase et 1	% % % % % % % % % % % % % % % % % % %	TOTAL D TOTAL D TOTAL D DV, 3#, 4W FORMER (S f:: RING FILL BY: DRITY DRITY	EMAND H EMAND A EXISTING EE ATTAC >40%).	AMPS 3 PANEL CHED DW	10.1 7.3 0.1 0.1 3.3 4.4 0.1 25.2 70.7 *ЕМЕКС УС. ММ-	0 KVA 2 KVA 0 KVA 0 KVA 8 KVA 5 KVA 5 KVA 7 AMPS ENCY <sup>®</sup> LOCATED 8-E29).	PAY PR
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	NEW ELECTRONIC PAY PROGRAM (NEPP) IN METRORAIL STATIONS		
RE	GLENMONT PANEL SCHEDULE		
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