ELECTRICAL LEGEND

GENERAL NOTES

1. THE WORK TO BE DONE SHALL INCLUDE THE FURNISHING OF ALL LABOR, MATERIALS, APPLIANCES, EQUIPMENT, TOOLS, TRANSPORTATION, SUPERINTENDENTS AND SERVICES REQUIRED TO CONSTRUCT, INSTALL AND TO MODIFY THE ELECTRICAL SYSTEMS AS HEREIN SPECIFIED AND SHOWN ON THESE DRAWINGS FOR A COMPLETE OPERATIONAL SYSTEM. COORDINATE WORK TO BE PERFORMED OR INSTALLED BY OTHERS AFFECTING THE ELECTRICAL WORK AND PROVIDE AND INSTALL ALL NECESSARY ANCHORS, SLEEVES, HANGERS, ETC. FOR ATTACHING OR CONNECTING ELECTRICAL WORK TO RELATED WORK OF OTHER TRADES.

2. ALL ELECTRICAL WORK SHALL BE PERFORMED IN STRICT ACCORDANCE WITH THE LATEST ADOPTED NATIONAL ELECTRICAL CODE AND ALL OTHER LOCAL CODES AND AUTHORITIES HAVING JURISDICTION.

3. THE DRAWINGS, WHICH CONSTITUTE A PART OF THIS CONTRACT, INDICATE THE GENERAL ARRANGEMENT OF CIRCUITS AND LOCATIONS OF OUTLETS, SWITCHES, PANELBOARDS, CONDUIT AND OTHER WORK. ALL ITEMS NOT SPECIFICALLY MENTIONED HEREIN, WHICH ARE ACCESSORY TO MAKE A COMPLETE WORKING INSTALLATION, SHALL BE INCLUDED AT NO EXTRA COST.

4. IT SHALL BE THE RESPONSIBILITY OF THIS CONTRACTOR TO EXAMINE AND TO COORDINATE WITH THE ARCHITECTURAL, STRUCTURAL, MECHANICAL, PLUMBING AND FIRE PROTECTION DRAWINGS AND THE DRAWINGS OF ALL OTHER TRADES IN ORDER TO BECOME FAMILIAR WITH ALL ASPECTS OF THE DESIGN AFFECTING THE ELECTRICAL WORK.

5. CONTRACTOR SHALL COORDINATE MOUNTING HEIGHTS AND LOCATIONS OF ALL NEW ELECTRICAL DEVICES WITH ARCHITECTURAL ELEVATIONS AND DRAWINGS PRIOR TO COMMENCEMENT OF WORK. DEVICES INCLUDE BUT ARE NOT LIMITED TO RECEPTACLES, SWITCHES, FIXTURES AND TELE/DATA OUTLETS.

6. ALL ELECTRICAL MATERIALS SHALL BE NEW EXCEPT WHERE SPECIFICALLY NOTED AS EXISTING TO BE REUSED. ALL MATERIAL SHALL BE LISTED BY THE UNDERWRITERS LABORATORIES, INC. (UL). DEFECTIVE EQUIPMENT AND/OR EQUIPMENT DAMAGED DURING INSTALLATION AND/OR TESTING SHALL BE REPLACED OR REPAIRED IN A MANNER MEETING THE APPROVAL OF THE ARCHITECT AND THE ENGINEER. WHERE APPLICABLE, ALL EQUIPMENT SHALL BE IN ACCORDANCE WITH NEMA STANDARDS.

7. ALL WORK SHALL BE SUBJECT TO THE APPROVAL OF THE OWNER OR OWNER'S AUTHORIZED REPRESENTATIVE.

8. ALL WORK SHALL BE INSTALLED IN A NEAT AND WORKMANLIKE MANNER.

9. INSTALL A FIRE STOP OF ROCKWOOL FIBER OR SILICON FOAM SEALANT TO PROVIDE AN EFFECTIVE BARRIER AGAINST THE SPREAD OF FIRE AND SMOKE WHERE CONDUITS, WIREWAYS, AND OTHER ELECTRICAL RACEWAYS PASS THROUGH FIRE RATED PARTITIONS AND/OR SLABS.

10. ALL CERTIFICATES OF APPROVAL SHALL BE IN TRIPLICATE, DELIVERED TO THE ENGINEER, AND BECOME THE PROPERTY OF THE OWNER.

11. CONTRACTOR SHALL VERIFY ALL EQUIPMENT REQUIREMENTS BEFORE INSTALLING CONDUIT OR CONDUCTORS FROM POWER SOURCE TO EQUIPMENT TERMINATION.

12. THE CONTRACTOR SHALL X-RAY SLAB IN AREA OF PENETRATION PRIOR TO CORE DRILLING AND COORDINATE WITH EQUIPMENT IN CEILING SPACE BELOW TO CHECK FOR OBSTRUCTIONS.

13. CONDUCTOR INSTALLATION: HOMERUNS TO THE PANELBOARD MAY BE RUN TOGETHER IN ONE CONDUIT.

14. PROVIDED ALL CONNECTIONS ARE IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE AND LOCAL ELECTRICAL CODE REQUIREMENTS, AND THE MAXIMUM UNBALANCED CURRENT IN NEUTRAL DOES NOT EXCEED THE CAPACITY OF THE WIRE, NO MORE THAN 3 SINGLE PHASE CIRCUIT SHALL BE INSTALLED IN ONE RACEWAY. ELIMINATE SPLICES WHEREVER POSSIBLE, AND WHERE NECESSARY, SPLICE IN READILY ACCESSIBLE PULL, JUNCTION OR OUTLET BOX.

15. MODIFICATIONS TO EXISTING PANELBOARDS: THE ELECTRICAL CONTRACTOR SHALL PROVIDE NEW CIRCUIT BREAKERS AND/OR FUSED SWITCHES AS REQUIRED. NEW EQUIPMENT SHALL MATCH EXISTING INSTALLED EQUIPMENT AND SHALL BE OF THE SAME MANUFACTURER AND TYPE AS SIMILAR EXISTING EQUIPMENT. INTERRUPT RATING OF EQUIPMENT SHALL BE THE SAME AS OF THE EXISTING EQUIPMENT.

16. INTERRUPTION OF ELECTRICAL POWER: THE ELECTRICAL CONTRACTOR SHALL COORDINATE ALL WORK REQUIRING INTERRUPTION OF ELECTRICAL POWER WITH THE BUILDING OWNER AND SHALL OBTAIN WRITTEN PERMISSION FROM THE BUILDING OWNER PRIOR TO SHUTTING DOWN POWER TO ANY SWITCHBOARD. THE CONTRACTOR SHALL ALSO PROVIDE NOTICE TO ALL OTHER TRADES OF ALL SCHEDULED INTERRUPTIONS OF POWER.

17. SITE VISIT: PRIOR TO SUBMITTING HIS BID, THE ELECTRICAL CONTRACTOR SHALL VISIT THE SITE AND FAMILIARIZE HIMSELF WITH ALL EXISTING CONDITIONS. THE ELECTRICAL CONTRACTOR SHALL NOTIFY THE ARCHITECT AND/OR ENGINEER IN ADVANCE OF ANY CONDITIONS THAT EXIST THAT WOULD PREVENT THE WORK HEREIN SPECIFIED OR SHOWN ON THE DRAWINGS FROM BEING PERFORMED. FAILURE TO SURVEY THE SITE PRIOR TO BID AND START OF CONSTRUCTION WILL NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY TO INSTALL DESIGN WITHIN THE CONFINES OF THE EXISTING CONDITIONS.

ELECTRICAL LEGEND

GENERAL NOTES

18. GUARANTEE: THE ELECTRICAL CONTRACTOR SHALL LEAVE THE ENTIRE ELECTRICAL SYSTEM INSTALLED UNDER THIS CONTRACT IN PROPER WORKING ORDER AND SHALL, WITHOUT CHARGE, REPLACE ANY WORK OR MATERIALS WHICH DEVELOP DEFECTS, EXCEPT FROM ORDINARY WEAR AND TEAR, WITHIN ONE YEAR FROM THE DATE OF FINAL ACCEPTANCE. BENEFICIAL USE SHALL NOT BE CONSTRUED AS FINAL ACCEPTANCE. THE ELECTRICAL CONTRACTOR SHALL, DURING THE ONE YEAR GUARANTEE PERIOD, BE RESPONSIBLE FOR THE PROPER REPAIR AND ADJUSTMENTS OF ALL ELECTRICAL SYSTEMS AND EQUIPMENT, APPARATUS, DEVICES, ETC, INSTALLED BY HIM, AND DO ALL WORK NECESSARY TO ENSURE EFFICIENT AND PROPER FUNCTIONING. PRIOR TO THE EXPIRATION OF THE GUARANTEE PERIOD, APPROXIMATELY 11 MONTHS AFTER FINAL ACCEPTANCE OF THIS PROJECT, A POST CONSTRUCTION REVIEW OF THE PROJECT WILL BE MADE.

19. THE CONTRACTOR SHALL FURNISH PERSONNEL TO ASSIST THE OWNER IN THIS REVIEW. ANY ADJUSTMENTS, REPAIRS OR REPLACEMENTS FOUND NECESSARY DURING REVIEW SHALL BE DONE BY THE CONTRACTOR, AT NO ADDITIONAL COST TO THE OWNER.

20. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR, AND SHALL INCUR FINANCIAL RESPONSIBILITY FOR ANY DAMAGES CAUSED BY, OR RESULTING FROM, DEFECTS IN HIS WORK.

21. THE ELECTRICAL CONTRACTOR SHALL MAINTAIN AT THE SITE, FOR THE OWNER, ONE COPY OF ALL DRAWINGS, ADDENDA, APPROVED SHOP DRAWINGS, REVISIONS AND OTHER MODIFICATIONS, IN GOOD ORDER AND MARKED TO RECORD ALL CHANGES MADE DURING CONSTRUCTION. THE SET OF DRAWINGS AND OTHER INFORMATION SHALL BE DELIVERED TO THE OWNER AND ONE COPY GIVEN TO THE ENGINEER UPON COMPLETION OF WORK.

22. ALL CONDUCTORS SHALL BE COPPER, CONFORMING TO THE LATEST REQUIREMENTS OF THE NATIONAL ELECTRICAL CODE, STRANDED FOR NO. 8 AWG AND LARGER, SOLID FOR NO. 10 AWG AND SMALLER.

23. ALL WIRING SHALL BE INSTALLED IN CONDUIT (EMT WITH STEEL COMPRESSION FITTINGS OR TYPE MC CABLE WHERE ALLOWED BY CODE). MINIMUM CONDUIT SIZE SHALL BE 3/4". ALL CONDUIT AND WIRING SHALL BE CONCEALED IN CEILINGS AND/OR WALLS UNLESS SPECIFICALLY NOTED OTHERWISE. CHANNEL EXISTING WALLS WHERE REQUIRED. WHERE WIRING RUNS ARE EXPOSED DUE TO THE LACK OF A NEW FINISHED CEILING, EMT SHALL BE USED. INSTALL ALL CONDUITS IN RUNS WHICH ARE PARALLEL AND PERPENDICULAR WITH BUILDING LINES.

ELECTRICAL LEGEND

POWER

NOTES: REFER TO ARCHITECTURAL DRAWINGS AND ELEVATIONS FOR EXACT LOCATION AND MOUNTING HEIGHTS.

WP:	WEATHER PROOF (NEMA 3R)
IG:	ISOLATED GROUND.
GFI:	GROUND FAULT INTERRUPTER.
	WALL MOUNTED 20A DUPLEX RECEPTACLE. (18" AFF UON).
	WALL 20A QUADRUPLEX RECEPTACLE. (18" AFF UON).
	WALL MTD. SPECIAL RECEPTACLE. NEMA TYPE PER PLANS.
	FLOOR MOUNTED 20A QUADRUPLEX RECEPTACLE.
J	CEILING MOUNTED JUNCTION BOX.
J	WALL MOUNTED JUNCTION BOX.
	DISCONNECT SWITCH - NON-FUSED.
	FUSED DISCONNECT SWITCH. FUSE SIZE PER PLANS.
	COMBINATION STARTER/DISCONNECT SWITCH.
M	MOTOR. REFER TO MECHANICAL PLANS FOR HORSEPOWER.
	SURFACE MOUNTED PANEL.
CB	ENCLOSED CIRCUIT BREAKER.

GENERAL

#	INDICATES PLAN NOTE.
#	INDICATES REVISION. CLOUDED AREA CONTAINS THE REVISION.
#	INDICATES ROOM NUMBER.
	BRANCH CIRCUIT HOMERUN
	GROUND

ELECTRICAL LEGEND

ABBREVIATIONS

A, AMP	AMPERES	G, GND	GROUND
AB	ABOVE	GC	GENERAL CONTRACTOR
AC	ALTERNATE CURRENT	GFI	GROUND FAULT INRERRUPTER
AFF	ABOVE FINISHED FLOOR	IG	ISOLATED GROUND
ARCH	ARCHITECTURAL, ARCHITECT	INCAND	INCANDESCENT
BEL	BELOW	KAIC	KILOAMP INTERRUPTING CURRENT
BKR	BREAKER	KVA	KILOVOLT AMPERES
C	CONDUIT	KW	KILOWATTS
CEIL	CEILING	LT(S)	LIGHT(S)
CKT	CIRCUIT	M	METER
CM	CENTIMETER	MCS	ENCLOSED MOLDED CASE SWITCH
DC	DIRECT CURRENT	MECH	MECHANICAL
D/S	DISCONNECT SWITCH	MH	MOUNTING HEIGHT
DISC	DISCONNECT SWITCH	MLO	MAIN LUGS ONLY
DWG	DRAWING	MM	MILLIMETER
EC	ELECTRICAL CONTRACTOR	MTD	MOUNTED
EF	EXHAUST FAN	NEC	NATIONAL ELECTRICAL CODE
ELEC	ELECTRICAL	NO.,#	NUMBER
EM	EMERGENCY	NTS	NOT TO SCALE
EQUIP	EQUIPMENT	P	POLE
EXIST	EXISTING	PH, Ø	PHASE
FA	FIRE ALARM	PNL	PANEL
FACP	FIRE ALARM CONTROL PANEL	RECEP	RECEPTACLE
FAAP	FIRE ALARM ANNUNCIATOR PANEL	RM	ROOM
FIXT	FIXTURE	TELE	TELEPHONE
FLA	FULL LOAD AMPERES	TYP	TYPICAL
FLUOR	FLUORESCENT	UON	UNLESS OTHERWISE NOTED
		V	VOLTS
		W	WATTS
		W/	WITH
		WP	WEATHERPROOF

LIGHTING

NOTE: REFER TO LIGHTING FIXTURE SCHEDULE FOR FIXTURE TYPES.

A:	CAPITAL LETTER ADJACENT TO FIXTURE INDICATES TYPE.
a:	LOWER CASE LETTER INDICATES SWITCHING.
NL:	INDICATES NIGHT LIGHTING - UNSWITCHED FIXTURE.
●	SHADED CIRCLE INDICATES FIXTURE ON EMERGENCY CIRCUIT.
	WALL MOUNTED FIXTURE.
	POLE MOUNTED FIXTURE - SINGLE HEAD.
	EMERGENCY BATTERY PACK LIGHT FIXTURE.
	CEILING/WALL MOUNTED EXIT SIGN - SINGLE FACE. PROVIDE DIRECTIONAL ARROWS PER PLANS.
	CEILING/WALL MOUNTED EXIT SIGN - DOUBLE FACE. PROVIDE DIRECTIONAL ARROWS PER PLANS.
S	20A, 1P, 120V TOGGLE TYPE LIGHT SWITCH.
S_K	20A, 1P, 120V KEY OPERATED LIGHT SWITCH.
S_{LV}	LOW VOLTAGE LIGHT SWITCH.
S_M	TOGGLE TYPE MOTOR STARTER WITH THERMAL OVERLOAD PROTECTION.
OS	WALL MOUNTED OCCUPANCY SENSOR. WATTSTOPPER DW-100 OR APPROVED EQUAL.
OS^2	DUAL RELAY WALL MOUNTED OCCUPANCY SENSOR. WATTSTOPPER DW-200 OR APPROVED EQUAL.
OS	CEILING MOUNTED OCCUPANCY SENSOR. WATTSTOPPER DT-355 OR APPROVED EQUAL.
DS	CEILING MOUNTED DAYLIGHT SENSOR.
HBS	HIGH BAY LINE VOLTAGE PASSIVE INFRARED OCCUPANCY SENSOR WITH PROTECTIVE CAGE. WATTSTOPPER HB340B-L3 WITH PROTECTIVE CAGE OR APPROVED EQUAL.

LIGHTING FIXTURE SCHEDULE

TYPE	SYMBOL	DESCRIPTION	MANUFACTURER AND CATALOG NUMBER	LAMP DATA			VOLTS	NOTES
				NO.	WATTS	TYPE		
C	○	IN-GROUND LED FLOOD LIGHT	SOLERA LIGHTING SMSL-E-TP-XX		10	LED	24	NOTE 1,3,4
D	⊢○	VERTICALLY MOUNTED LED STRIP.	CALI ALS450T-NA-LED-3.5K-120D-9W-WET-96"		9W/FT	LED	277	NOTE 1, 2

GENERAL NOTES:

A. EQUAL LIGHTING FIXTURE MANUFACTURERS WILL BE CONSIDERED.
B. SEE ARCHITECTURAL DRAWINGS FOR EXACT LOCATION OF FIXTURES.

SPECIFIC NOTES:

1. FINAL SELECTION OF LIGHT FIXTURE ARE TO BE PROVIDED BY THE ARCHITECT.THESE FIXTURES ARE SUGGESTED LIGHT FIXTURE FOR THE APPLICATION INTENDED.
2. FIXTURE AND TRANSFORMER SHALL BE SUITABLE FOR OUTDOOR USE.
3. COORDINATE FINISH WITH ARCHITECT.
4. LED 277V REMOTE MOUNTED TRANSFORMER SHALL BE OUTDOOR RATED.

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DISTRICT OF COLUMBIA
EDDY FUENTES FRAYNA
No. 8723
ELECTRICAL
PROFESSIONAL ENGINEER

SUBMISSION SCHEDULE		DATE
1	PERMIT SET	07-17-2015

REVISION SCHEDULE		DATE
NO	DESCRIPTION	

PROJECT:

DYRS COURTYARD **RENOVATION**

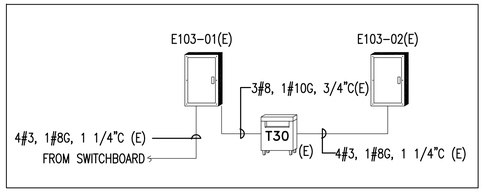
1000 MOUNT OLIVET ROAD, NE
WASHINGTON, DC 20002

SHEET TITLE:

ELECTRICAL COVER SHEET

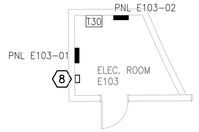
PROJECT NO: 1310
JULY 17, 2015
SCALE:
SHEET NO:

E001



3 EXISTING PARTIAL RISER DIAGRAM

SCALE: NO SCALE



PANELBOARD NAME: E103-01 (EXISTING) ○ NEW ◉ EXISTING ◉ 1 SEC ○ 2 SEC

VOLTAGE: **480Y/277V** BUS RATING: **100A** POLES: **30** MINIMUM A.I.C. RATING (A): **EXISTING**

PHASE/WIRE: **3 PHASE, 4 WIRE + GROUND** MAIN: **MLO** MOUNTING: **SURFACE** SERVICE: **NORMAL**

CKT NO.	LOAD TYPE	LOAD DESCRIPTION	BKR P	BKR TRIP	LOAD (VA)	PHASE LOAD (VA) A	B	C	LOAD (VA)	BKR P	BKR TRIP	LOAD DESCRIPTION	LOAD TYPE	CKT NO.
1		SPARE	3	20						1	20	SPARE		2
3				--						1	20	SPARE		4
5				--						1	20	SPARE		6
7		SPARE	3	20		8100			8,100	3	45	XFMR	N	8
9				--			5600		5,600		--			10
11				--				10100	10,100		--			12
13	C	LIGHTS	1	20	3600	7200			3600	1	20	LIGHTS	C	14
15	C	LIGHTS	1	20	3600		7230		3600	1	20	LIGHTS	C	16
17	C	LIGHTS	1	20	3600			7200	3600	1	20	LIGHTS	C	18
19	C	LIGHTS	1	20	3000	6000			3000	1	20	LIGHTS	C	20
21		SPARE	1	20						1	20	SPARE		22
23		SPARE	1	20						1	20	SPARE		24
25	C	**COURTYARD LIGHTS**	**1**	**20**	**700**	700						SPACE		26
27	C	**COURTYARD LIGHTS**	**1**	**20**	**100**		100					SPACE		28
29		SPACE										SPACE		30
		TOTAL CONNECTED LOAD (A):			62.8	26.5	15.5	20.8	(AMPS/PHASE)					
		TOTAL CONNECTED LOAD (VA):			52,200	22,000	12,900	17,300	(VA/PHASE)					

***BOLD INDICATES NEW**

PROVIDE ITEMS MARKED BELOW :
- ☐ DOOR-IN-DOOR CONSTRUCTION
- ☐ SHUNT-TRIP ON MAIN DEVICE
- ☐ FEED-THRU LUGS
- ☐ SERVICE NEUTRAL (S/N)
- ☐ ISOLATED GROUND BUS
- ☐ 200% NEUTRAL
- ☐ NEMA 3R
- ☐ OTHER : _____

LOAD TYPE		CONNECTED VA	CONNECTED AMPS	DEMAND VA	DEMAND AMPS
CONTINUOUS LOADS AND LIGHTING (@125%)	C	28,400	34	35,500	43
RECEPTACLES (1st 10kVA @100% + REST @ 50%)	R				
MECH. LOADS (LARGEST @ 125% + REST @ 100%)	M				
KITCHEN EQUIPMENT (PER NEC TABLE 220.56)	K				
NON-CONTINUOUS LOADS (@100%)	N	23,800	29	23,800	29
STANDBY LOADS	S				
TOTAL CONNECTED & DEMAND LOAD :		**52.20 (kVA)**		**59.30 (kVA)**	
TOTAL CONNECTED & DEMAND LOAD :		**62.79 (A)**		**71.33 (A)**	

PANELBOARD NAME: E103-02 (EXISTING) ○ NEW ◉ EXISTING ○ 1 SEC ○ 2 SEC

VOLTAGE: **208Y/120V** BUS RATING: **100A** POLES: **42** MINIMUM A.I.C. RATING (A): **EXISTING**

PHASE/WIRE: **3 PHASE, 4 WIRE + GROUND** MAIN: **100A MCB** MOUNTING: **SURFACE** SERVICE: **NORMAL**

CKT NO.	LOAD TYPE	LOAD DESCRIPTION	BKR P	BKR TRIP	LOAD (VA)	PHASE LOAD (VA) A	B	C	LOAD (VA)	BKR P	BKR TRIP	LOAD DESCRIPTION	LOAD TYPE	CKT NO.
1	R	REC. DAYROOM B100	1	20	600	800			200	1	20	GFC E114	R	2
3	R	GFCI OUTDOOR	1	20	400		400			1	20	SPARE		4
5	R	REC. DAYROOM A100	1	20	600			1500	900	1	20	RECEITACLE B112,E110,B106	R	6
7	R	204	1	20	600	2000			1400	1	20	REC. E109,E104,E199	R	8
9		SPARE	1	20						1	20	SPARE		10
11	R	RECEPTACLE E105,E111,E1	1	20	1800			2200	400	1	20	REC. OUTDOOR D114,C114	R	12
13		SPARE	1	20		600			600	1	20	REC.DAYROOM D150	R	14
15	R	REC. E103,E106,E107	1	20	1400		2000		600	1	20	REC. DAYROOM C190	R	16
17	R	REC. CORRIDOR E101	1	20	1200			2700	1500	1	20	A10C WATER F	M	18
19	R	HOUSE POWER 1705	1	20	200	1700			1500	1	20	A10C WATER F	M	20
21	R	HOUSE POWER 1705	1	20	200		1700		1500	1	20	B100	M	22
23	R	HOUSE POWER 1705	1	20	200			1700	1500	1	20	B100	M	24
25		SPARE	1	20		1500			1500	1	20	D100	M	26
27		SPARE	1	20			1500		1500	1	20	D100	M	28
29		SPARE	1	20				1500	1500	1	20	C109 WF	M	30
31		SPARE	1	20		1500			1500	1	20	C109 WF	M	32
33		SPARE	1	20						1	20	SPARE		34
35		SPACE	--					500	**500**	**1**	**20**	**COURTYARD EXT. RECPT**	**R**	36
37	N	MAIN	3	100		500			**500**	**1**	**20**	**COURTYARD TV RECEPT**	**R**	38
39			--							--		SPACE		40
41			--							--		SPACE		42
		TOTAL CONNECTED LOAD (A):			67.5	23.9	15.5	28.0	(AMPS/PHASE)					
		TOTAL CONNECTED LOAD (VA):			24,300	8,600	5,600	10,100	(VA/PHASE)					

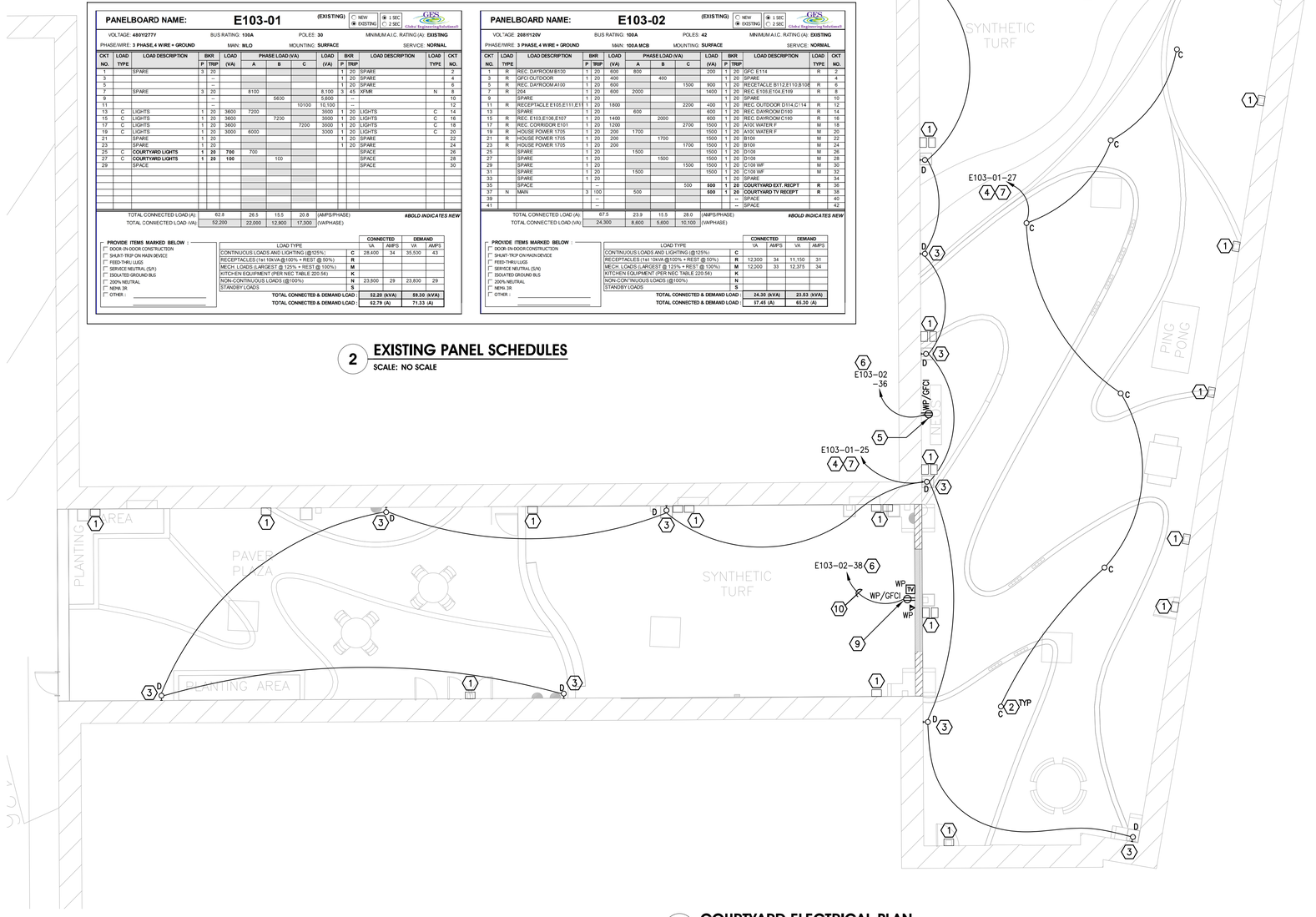
***BOLD INDICATES NEW**

PROVIDE ITEMS MARKED BELOW :
- ☐ DOOR-IN-DOOR CONSTRUCTION
- ☐ SHUNT-TRIP ON MAIN DEVICE
- ☐ FEED-THRU LUGS
- ☐ SERVICE NEUTRAL (S/N)
- ☐ ISOLATED GROUND BUS
- ☐ 200% NEUTRAL
- ☐ NEMA 3R
- ☐ OTHER : _____

LOAD TYPE		CONNECTED VA	CONNECTED AMPS	DEMAND VA	DEMAND AMPS
CONTINUOUS LOADS AND LIGHTING (@125%)	C				
RECEPTACLES (1st 10kVA @100% + REST @ 50%)	R	12,300	34	11,150	31
MECH. LOADS (LARGEST @ 125% + REST @ 100%)	M	12,000	33	12,375	34
KITCHEN EQUIPMENT (PER NEC TABLE 220.56)	K				
NON-CONTINUOUS LOADS (@100%)	N				
STANDBY LOADS	S				
TOTAL CONNECTED & DEMAND LOAD :		**24.30 (kVA)**		**23.53 (kVA)**	
TOTAL CONNECTED & DEMAND LOAD :		**67.45 (A)**		**65.30 (A)**	

2 EXISTING PANEL SCHEDULES

SCALE: NO SCALE



1 COURTYARD ELECTRICAL PLAN

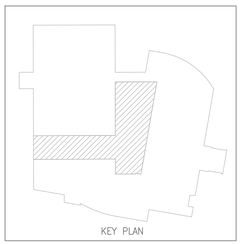
SCALE: 1/8" = 1'-0"

GENERAL NOTES

1. REFER TO E001 FOR GENERAL NOTES, SYMBOL LEGEND AND LIST OF ABBREVATIONS.

(#) SPECIFIC NOTES

1. EXISTING EXTERIOR SECURITY LIGHT FIXTURES TO REMAIN. CONTRACTOR SHALL CLEAN AND RE-LAMP ALL FIXTURES AND SHALL MAKE CERTAIN THAT ALL THE LIGHT FIXTURES ARE IN WORKING ORDER.
2. FLOOR MOUNTED LED UP-LIGHTING. SEE LIGHTING FIXTURE SCHEDULE FOR TYPE. ALL THESE TYPE FIXTURES SHALL BE CONTROLLED VIA TIME CLOCK. SEE NOTE 4 BELOW.
3. LED LIGHT FIXTURE MOUNTED VERTICALLY INSIDE THE PERFORATED ENCLOSURE. SEE ARCHITECTURAL DRAWINGS FOR FINAL QUANTITY, LOCATIONS AND DETAILS. SEE LIGHTING FIXTURE SCHEDULE FOR TYPE. ALL THESE TYPE FIXTURES SHALL BE CONTROLLED VIA TIME CLOCK. SEE NOTE 4 BELOW.
4. CONNECT CIRCUIT TO EXISTING PANEL AND ROUTE VIA NEW TWO CIRCUIT TIME CLOCK. TIME CLOCK SHALL BE INTERMATIC ET2800 SERIES OR APPROVED EQUAL. TIME CLOCK SHALL BE LOCATED INSIDE THE BUILDING. COORDINATE FINAL LOCATION WITH OWNER. FIXTURE TYPES "C" AND "D" SHALL BE CONTROLLED SEPARATELY.
5. PROVIDE NEW CIRCUIT FOR NEOS GAME AND CONNECT TO EXISTING BUILDING PANEL. COORDINATE FINAL LOCATION WITH ARCHITECT PRIOR TO ROUGH-IN AND INSTALLATION.
6. PROVIDE NEW 20A/1P CIRCUIT BREAKER IN THE SPACE OF PANEL E103-02 IN ELECTRICAL ROOM E103. CIRCUIT BREAKER SHALL MATCH EXISTING.
7. PROVIDE NEW 20A/1P CIRCUIT BREAKER IN THE SPACE OF PANEL E103-01 IN ELECTRICAL ROOM E103. CIRCUIT BREAKER SHALL MATCH EXISTING.
8. NEW TIME CLOCK. SEE NOTE 4 ABOVE.
9. GFCI RECEPTACLE, DATA AND TV OUTLET FOR OUTDOOR TV SCREEN. COORDINATE FINAL LOCATION WITH ARCHITECT PRIOR TO ROUGH-IN AND INSTALLATION.
10. 2#10, 1#10G IN 3/4"C



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SUBMISSION SCHEDULE		DATE
1	PERMIT SET	07-17-2015

REVISION SCHEDULE		DATE
NO	DESCRIPTION	

PROJECT:

DYRS COURTYARD **RENOVATION**

1000 MOUNT OLIVET ROAD, NE
WASHINGTON, DC 20002

SHEET TITLE:

COURTYARD ELECTRICAL PLAN

PROJECT NO: 1310
JULY 17, 2015
SCALE:
SHEET NO:

E101