

COMcheck Software Version 4.0.2.3 Interior Lighting Compliance Certificate

Project Information

Energy Code: 2012 IECC
 Project Title: MICA ANNEX BLDG
 Project Type: Alteration

Construction Site: 116 - 118 W. Lanvale Street, Third Floor, Baltimore, MD 21217
 Owner/Agent:
 Designer/Contractor: Arjum AE, LLC, 5527 Twin Knolls Road, Suite 435, Columbia, MD 21045, (410) 730-2300, info@arjumae.com

Allowed Interior Lighting Power

Area Category	B Floor Area (ft ²)			C Allowed Watts / ft ²			D Allowed Watts (B X C)		
	A	B	C	D	E	F	G	H	I
1-Open Office (Common Space Types: Office - Open plan)		956	1	956					
Total Allowed Watts = 956									

Proposed Interior Lighting Power

Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Floor Area (ft ²)			C Allowed Watts / ft ²			D Allowed Watts (B X C)		
	A	B	C	D	E	F	G	H	I
Open Office (Common Space Types: Office - Open plan 956 sq. ft.)		1	11	59	653				
LED 1: Other:									
Total Proposed Watts = 653									

Interior Lighting PASSES

Interior Lighting Compliance Statement

Compliance Statement: The proposed interior lighting alteration project represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed interior lighting systems have been designed to meet the 2012 IECC requirements in COMcheck Version 4.0.2.3 and to comply with the mandatory requirements listed in the Inspection Checklist.

Name: _____ Title: _____ Signature: _____ Date: _____

Project Title: MICA ANNEX BLDG
 Data filename: L:\MILV-116 & 118 W Lanvale St, Baltimore MD\MILV 3F16\MILV 3F16 - CD\Current
 Drawing:\MILV3F16\CD\MILV 3F16.ccd
 Report date: 05/05/16
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EX. PANEL B

LOAD DESCRIPTION	LOAD-WATTS			CIRCUIT BREAKER			PHASING			CIRCUIT BREAKER			LOAD-WATTS			LOAD DESCRIPTION	
	#A	#B	#C	AMP	POLE	NO	3P	NO	POLE	AMP	#A	#B	#C	#A	#B		#C
EX. AC ROOF TOP	3500			70	3	1	A	2	3	50	2500			EX. AC ROOF TOP			
		3500				5	C	6			2500			EX. AC ROOF TOP			
			2500			7	A	8			2000			EX. AC ROOF TOP			
				50	3	9	B	10	3	40	2000			EX. AC ROOF TOP			
						11	C	12			2000			EX. AC ROOF TOP			
EX. COPIER	900			20	1	13	A	14	2	20	1500			EX. AC UNIT COM RM			
EX. 3RD FLOOR HEAT	2000			15	1	15	B	16			1500			EX. AC UNIT COM RM			
EX. MECH & 307 LOADS			720	20	1	17	C	18	1	20	1000			EX. HALL LIGHTING			
EX. LTG & REC	1000			20	1	19	A	20	1	20	1000			EX. LTG & REC			
EX. LTG & REC		1000		20	1	21	B	22	1	20	1000			EX. LTG & REC			
EX. LTG & REC			1000	20	1	23	C	24	1	20	1000			EX. LTG & REC			
EX. REC	540			20	1	25	A	26	1	20	1000			EX. LTG & REC			
EX. LTG & REC		1000		30	1	27	B	28	1	20	1000			EX. LTG & REC			
EX. LTG & REC			1000	20	1	29	C	30	1	20	1000			EX. LTG & REC			
EX. LTG & REC	1000			20	1	31	A	32	1	20	1000			EX. LTG & REC			
EX. 2ND FLOOR LIGHTING	1000			20	1	33	B	34	1	20	360			EX. REC - ROOF			
EX. 3RD FLOOR HEATER			2000	20	1	35	C	36	1	15				SPARE			
	1500					37	A	38			3620			NEW PANEL C			
		1500		30	3	39	B	40	3	50	2900			NEW PANEL C			
						41	C	42			1280			NEW PANEL C			

LOAD SUMMARY	CONNECTED LOAD			DEMAND LOAD			PANEL SPECIFICATIONS	
	#A	#B	#C	#A	#B	#C	LOCATION:	3RD FL ELEC RM
LIGHTING	5000	5000	5000	5000	5000	5000	PANEL: B (EX)	
RECEPTACLES	1440	360	720	1440	360	720	VOLTAGE: 208Y/120V, 3PH, 4W	
MOTORS & MISC	13500	15500	14000	12150	13950	12600	BUSS SIZE: 400A	MAIN BREAKER: MLO
SUBTOTAL	19940	20860	19720	18590	19310	18320	LUGS: 400A	A.I.C.: 10,000
NEW PANEL C	3620	2900	1260	3620	2900	1260	FEEDER SIZE: EX. (4) 250 KCMIL & #4 GROUND IN 3" C	FED FROM: EX. 250A, 3P CB AT EX. PANEL A
TOTAL	23560	23760	20980	22210	22210	19580	NOTES: -	

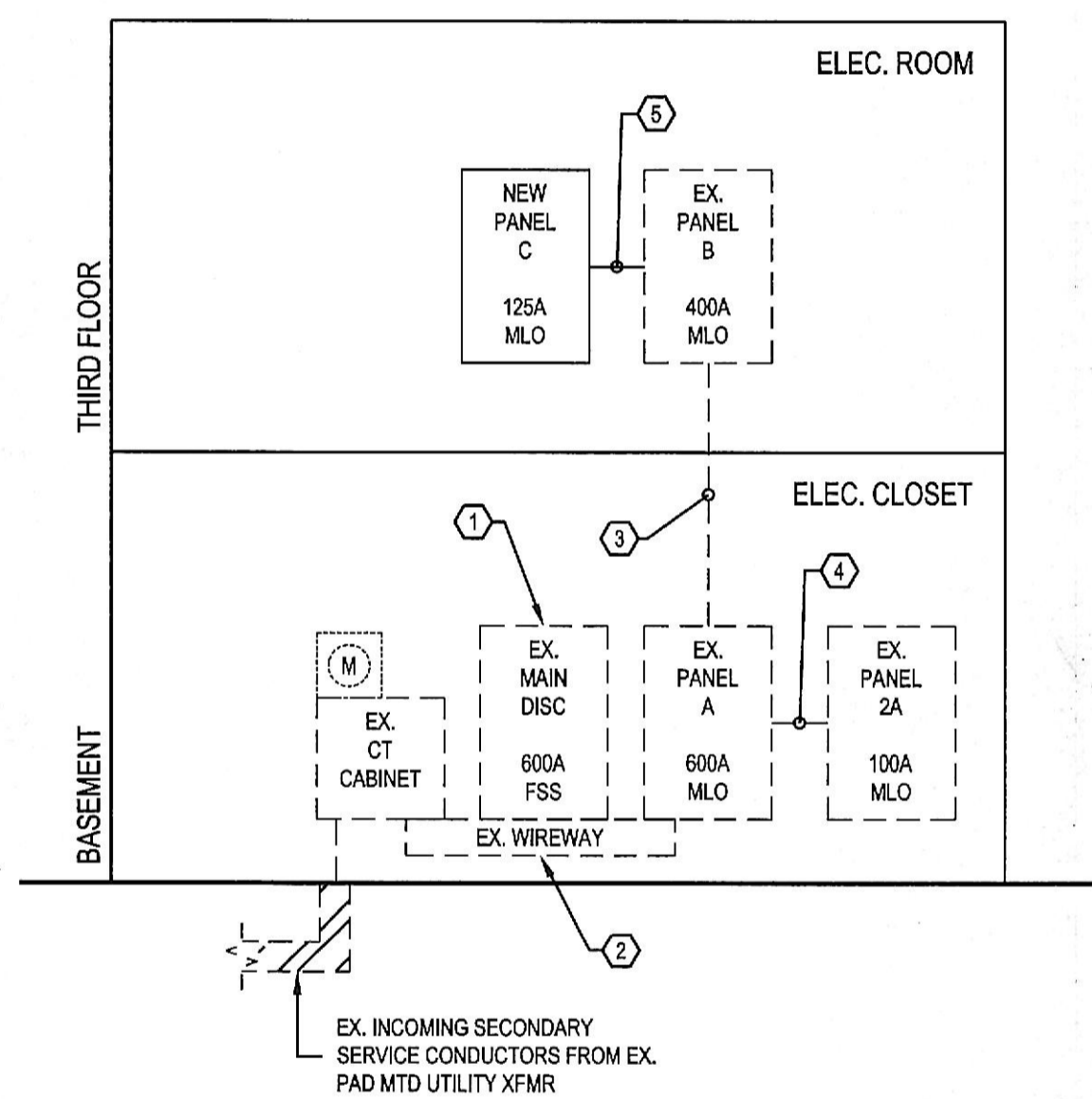
TOTAL NEW CONNECTED AMPS = 189.6A TOTAL NEW DEMAND AMPS = 177.6A

NEW PANEL C

LOAD DESCRIPTION	LOAD-WATTS			CIRCUIT BREAKER			PHASING			CIRCUIT BREAKER			LOAD-WATTS			LOAD DESCRIPTION	
	#A	#B	#C	AMP	POLE	NO	3P	NO	POLE	AMP	#A	#B	#C	#A	#B		#C
REC - OPEN OFF 301	360			20	1	1	A	2	1	20	360			REC - OPEN OFF 301			
REC - OPEN OFF 301		360		20	1	3	B	4	1	20	540			REC - OPEN OFF 301			
REC - OPEN OFF 301			360	20	1	5	C	6	1	20	900			COPIER - COPY/STOR 301			
EX. AS40 COMPUTER				30	2	7	A	8	1	15	900			EX. XEROX			
SPACE						9	B	10	-	-				SPACE			
SPACE						11	C	12	-	-				SPACE			

LOAD SUMMARY	CONNECTED LOAD			DEMAND LOAD			PANEL SPECIFICATIONS	
	#A	#B	#C	#A	#B	#C	LOCATION:	3RD FL ELEC RM
LIGHTING	-	-	-	-	-	-	PANEL: C (NEW)	
RECEPTACLES	3620	2900	1260	3620	2900	1260	VOLTAGE: 208Y/120V, 3PH, 4W	
MOTORS & MISC	-	-	-	-	-	-	BUSS SIZE: 125A	MAIN BREAKER: MLO
SUBTOTAL	3620	2900	1260	3620	2900	1260	LUGS: 125A	A.I.C.: 10,000
SPARE							FEEDER SIZE: (4) #6 & #10 GROUND IN 1 1/4" C	FED FROM: NEW 50A, 3P CB AT EX. PANEL B
TOTAL	3620	2900	1260	3620	2900	1260	NOTES: -	

TOTAL NEW CONNECTED AMPS = 21.6A TOTAL NEW DEMAND AMPS = 21.6A



PARTIAL POWER RISER DIAGRAM - NEW WORK
NOT TO SCALE

- LIGHTING FIXTURE SCHEDULE NOTES:**
- MANUFACTURER AND MODEL NUMBERS ARE LISTED FOR REFERENCE ONLY AND ARE PROVIDED AS A BASIS OF DESIGN. CONTRACTOR SHALL COMPETITELY BID ALL LIGHTING FIXTURES PER THE REQUIREMENTS SPECIFIED IN THE LIGHTING FIXTURE SCHEDULE. ALL LED FIXTURES SHALL BE PROVIDED AND BID WITH 0-10V LED DIMMING DRIVERS ONLY, NOT FIXED OUTPUT OR STEPPED DIMMING.
 - MODEL NUMBERS LISTED ARE FOR REFERENCE ONLY. CONTRACTOR SHALL VERIFY CORRECT MODEL NUMBER WITH MANUFACTURER AND/OR DISTRIBUTOR PRIOR TO ORDERING.
 - CONTRACTOR SHALL CONFIRM VOLTAGE, LAMPING, BALLAST CHARACTERISTICS, FIXTURE DETAILS, INSTALLATION TYPE, FINISHES, ETC. WITH SPECIFICATIONS DEFINED IN LIGHTING FIXTURE SCHEDULE PRIOR TO ORDERING AND INSTALLATION. CONTRACTOR SHALL EXAMINE EXISTING CONDITIONS PRIOR TO ORDERING OF LIGHTING FIXTURES TO ENSURE THAT SPECIFIED LIGHTING FIXTURES ARE FULLY COMPLIANT WITH EXISTING CONDITIONS. IF ANY MODIFICATIONS TO SPECIFICATIONS ARE REQUIRED, CONTRACTOR SHALL NOTIFY ENGINEER OF EXISTING CONDITIONS AND SUBMIT MODIFIED LIGHTING FIXTURE SELECTION THAT SHALL MEET OR EXCEED REQUIREMENTS.
 - WHERE LIGHTING FIXTURE SCHEDULE INDICATES FOR CONTRACTOR TO MATCH BUILDING STANDARD, CONTRACTOR SHALL MATCH BUILDING STANDARD AS LONG AS EXISTING FIXTURES ARE LIKE-TYPE FIXTURES.
 - PROVIDE ADEQUATE AMOUNT OF LIGHTING FIXTURES AS REQUIRED TO SPAN ENTIRE LENGTH OF COVE. CONTRACTOR SHALL CONFIRM LENGTH OF COVE AND LENGTH OF COVE LIGHTING FIXTURES IN FIELD PRIOR TO ORDERING.
 - FOR EXACT LOCATIONS AND DIMENSIONS FOR INSTALLATION OF LIGHTING FIXTURES, REFER TO ARCHITECTURAL REFLECTED CEILING PLAN, FLOOR PLANS AND ELEVATIONS.
 - PROVIDE ACCESS PANELS AS NEEDED FOR MAINTENANCE OF RECESSED LIGHTING FIXTURES WHERE ALL COMPONENTS ARE NOT ACCESSIBLE FROM BELOW.

SYM.	MFG.	CATALOG NO.	CKT. VOLTS	LAMPS			MOUNTING	REMARKS
				NO.	TYPE	WATTS		
A	PINNACLE ARCHITECTURAL LIGHTING	EX3-A-N-35H0-6-MAC-UNV-1D-S	120	-	LED	9.9 W / FT	PENDANT CEILING	LED DIRECT LINEAR; SATINE LENS; 3500K COLOR TEMPERATURE; CRI > 82; 695 LUMENS / FT (9.9 WATTS / FT); 6-FOOT LENGTH; 0-10V DIMMING STANDARD; METALLIC SILVER FINISH; ALUMINUM HOUSING; MOVEABLE AIRCRAFT CABLE; MOUNTED AT 6'-6" ABOVE FINISHED FLOOR (AFF) TO BOTTOM OF FIXTURE.
↔	LSI INDUSTRIES INC.	LTEM WH	120	-	LED	-	SURFACE WALL	SURFACE MTD EMERGENCY LIGHTING UNIT WITH INTEGRAL BATTERY PACK; WHITE FINISH; CONTRACTOR SHALL MATCH BUILDING STANDARD.
⊙	LSI INDUSTRIES INC.	EX G U WB WH	120	-	LED	-	SURFACE WALL/CEILING	LED EXIT SIGN; GREEN LETTERING WITH WHITE THERMOPLASTIC HOUSING; INTEGRAL NICKEL CADMIUM BATTERY; CONTRACTOR SHALL MATCH BUILDING STANDARD.

ARJUM | AE

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 2520 NORTH CHARLES STREET
 BALTIMORE, MARYLAND 21218
 TEL: 410-388-9384

TITLE: ELECTRICAL RISER DIAGRAM & SCHEDULES
 PROJECT FILE NAME: MILV-3F16
 LATEST REVISION: 5.20.16
 DATE: 5/5/16
 DRAWN BY: CW
 CHECKED BY: CW
 IN CHARGE: NT

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