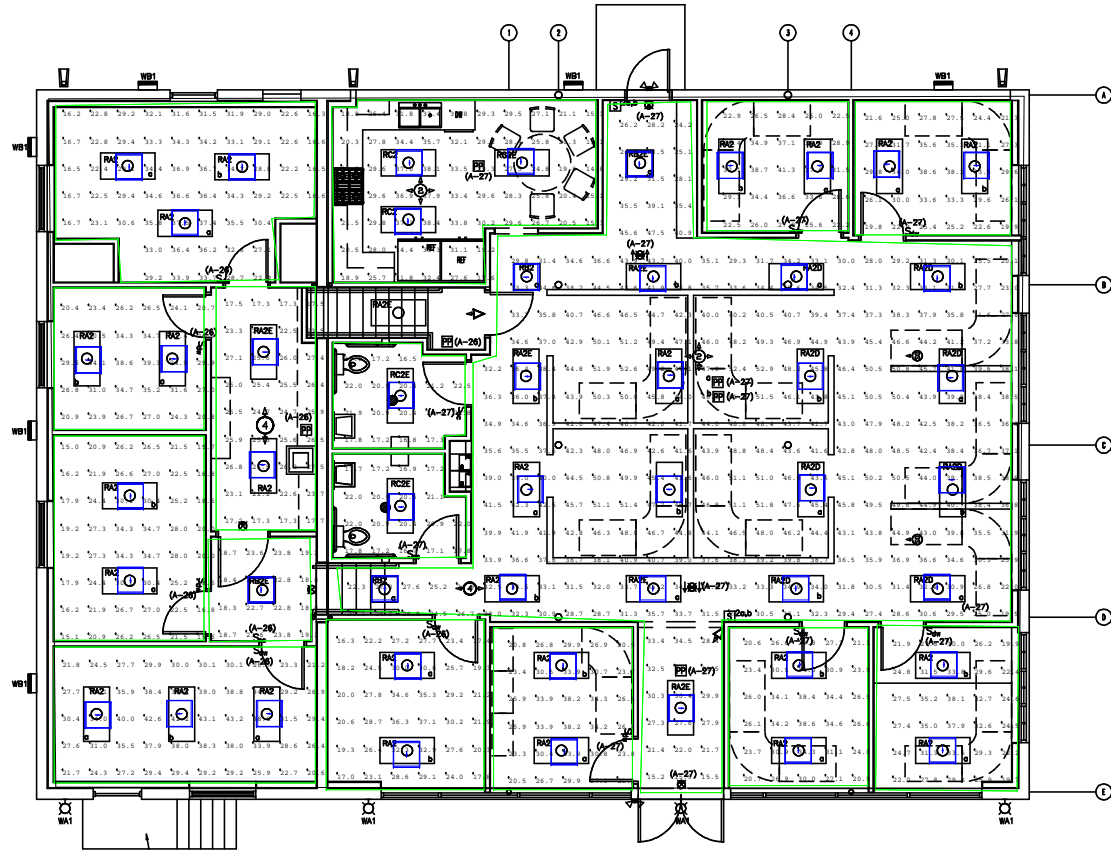


SCALE: 1/4"=1'-0"



LPDArea  
 Area = 3616 Sq.ft  
 Total Watts = 2401  
 Lighting Power Density = 0.664 Watts/Sq.ft

SCALE: 1/4"=1'-0"

**Luminaire Schedule**

Symbol	Qty	Label	Arrangement	Total Lamp Lumens	LLF	Description
	49	2 BY 2 led Transom	SINGLE	N.A.	0.900	Fluxwerx Cat # TR122A35DM

**Calculation Summary**

Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
Room_1_Workplane	Illuminance	Fc	23.62	34.7	15.0	1.57	2.31
Room_10_Workplane	Illuminance	Fc	28.48	38.6	19.8	1.44	1.95
Room_11_Workplane	Illuminance	Fc	30.33	41.3	22.2	1.37	1.86
Room_12_Workplane	Illuminance	Fc	19.24	22.0	16.7	1.15	1.32
Room_13_Workplane	Illuminance	Fc	19.69	22.8	16.5	1.19	1.38
Room_14_Workplane	Illuminance	Fc	28.49	37.5	16.2	1.76	2.31
Room_15_Workplane	Illuminance	Fc	27.28	38.4	14.8	1.84	2.59
Room_2_Workplane	Illuminance	Fc	28.72	39.3	20.4	1.41	1.93
Room_3_Workplane	Illuminance	Fc	25.66	37.1	16.3	1.57	2.28
Room_4_Workplane	Illuminance	Fc	20.99	23.8	18.3	1.15	1.30
Room_5_Workplane	Illuminance	Fc	23.38	27.5	17.2	1.36	1.60
Room_6_Workplane	Illuminance	Fc	28.41	38.2	20.5	1.39	1.86
Room_7_Workplane	Illuminance	Fc	28.57	38.6	20.6	1.39	1.87
Room_8_Workplane	Illuminance	Fc	28.32	38.1	19.7	1.44	1.93
Room_9_Workplane	Illuminance	Fc	38.31	52.9	15.2	2.52	3.48
Room_Workplane	Illuminance	Fc	31.49	43.2	20.6	1.53	2.10



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Professional Certification. I  
 hereby certify that these  
 documents were prepared or  
 approved by me, and that I  
 am a duly licensed  
 professional engineer under  
 the laws of the State of  
 Maryland. License No. 19454  
 Expiration Date 12/31/2014

RENOVATIONS TO  
**10 SOUTH BENITZ STREET**  
 FOR CAS ENGINEERING  
 10 SOUTH BENITZ STREET  
 FREDERICK, MD. 21701

NO.	ISSUE

PROJECT NO.: 11121  
 DATE: 11-07-13  
 BASEMENT & FIRST FLOOR PLAN  
 - LIGHTING