

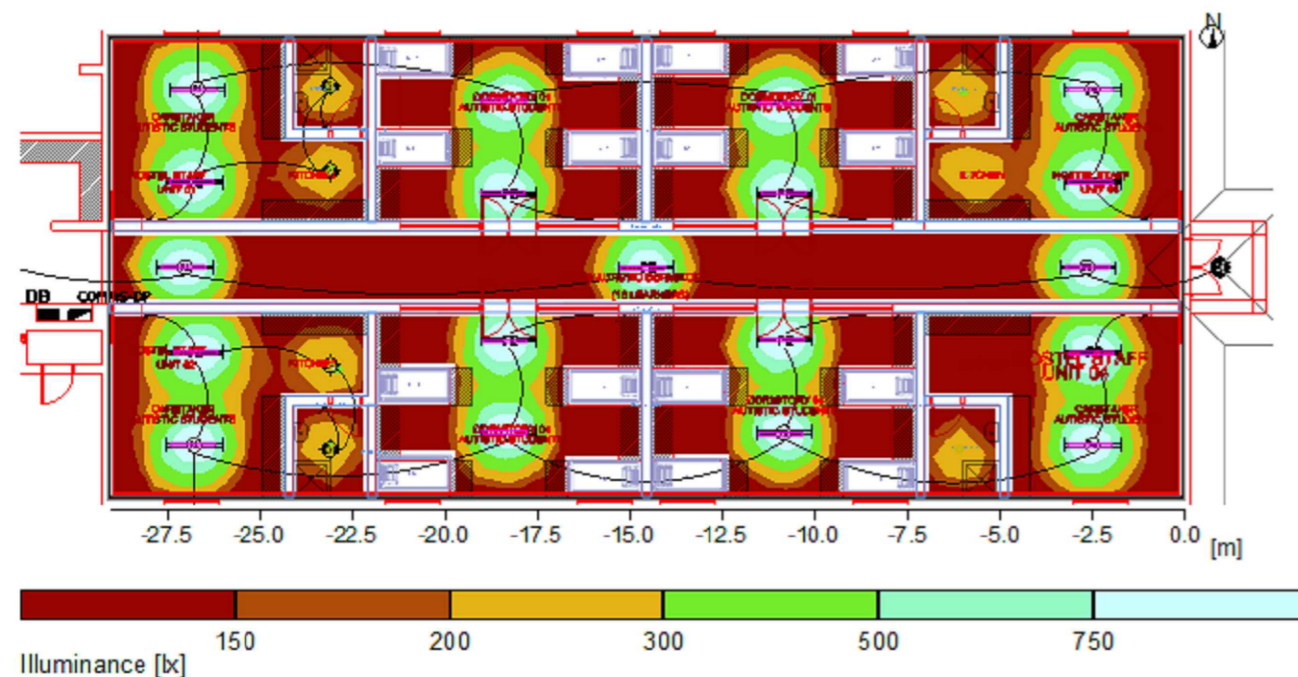
Object : Trompsburg  
 Installation : HOSTEL AUTISTIC DORM  
 Project number : CE0092  
 Date : 20.03.2020



**1 Room 1**

**1.1 Summary, Room 1**

**1.1.1 Result overview, Evaluation area 1**



<b>General</b>	
Calculation algorithm used	Average indirect fraction
Maintenance factor	0.80
Total luminous flux of all lamps	108715.00 lm
Total power	822.4 W
Total power per area (361.71 m <sup>2</sup> )	2.27 W/m <sup>2</sup> (0.90 W/m <sup>2</sup> /100lx)
<b>Evaluation area 1</b>	
Reference plane 1.1	
Horizontal	
Em	253 lx
Emin	11 lx
Emin/Em (U <sub>0</sub> )	0.04
Emin/Emax (U <sub>d</sub> )	0.01
Position	0.75 m

LIGHTING LEGEND	
	ELECTRICAL DISTRIBUTION BOARD
	1230mm 2x 18W LED OPEN CHANNEL BATTEN LUMINAIRE C/W ECG.
	AS ABOVE BUT WITH EMG BATTERY BACKUP (50% FOR 1HR) AND SELF TEST INVERTER.
	1230mm 35W LED BATTEN LUMINAIRE WITH COVER
	AS ABOVE BUT WITH EMG BATTERY BACKUP (50% FOR 1HR) AND SELF TEST INVERTER.
	14W LED DOWNLIGHTER.
	WALL MOUNTED LED BULKHEAD FITTING WITH 24W LED LAMP.
	CEILING / SOFFIT MOUNTED LED BULKHEAD FITTING WITH 24W LED LAMP.
	AS ABOVE BUT WITH EMG BATTERY BACKUP (50% FOR 1HR) AND SELF TEST INVERTER.
	MOTION SENSOR FOR CONTROL OF LOCAL LIGHTING (SET TO 30min).
	LIGHT SWITCH MOUNTED AT 1000mm AFFL TO CENTRE 100mm AWAY FROM DOOR FRAME.

No.	DATE	AMENDMENT	
A	11/5/21	ISSUED FOR TENDER	D.A.

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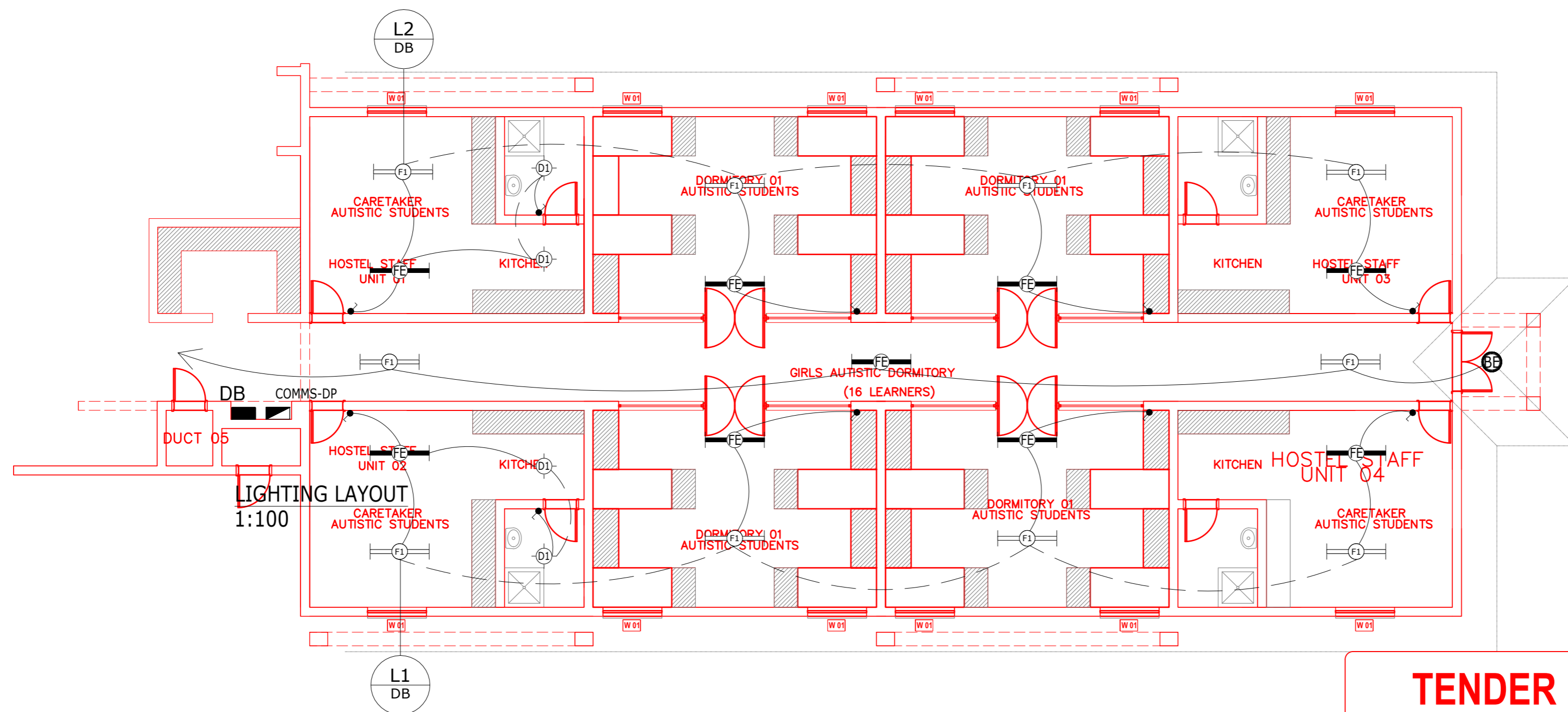
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discipline	<b>ELECTRICAL</b>
service	
	<b>TROMPSBURG SPECIAL NEEDS SCHOOL ELECTRICAL AND ELECTRONIC</b>



**TENDER**

WCS number	EDIT
drawing title	<b>HOSTEL AUTISTIC DORMITORY &amp; AUTISTIC STAFF DORMITORY LIGHTING LAYOUT</b>
ref.no.	EDIT
scale	1:100
date	2018.11.02
DPW drawing number	E6(16)(b)
designed	K.NEL
drawn	D.ALBIN
checked	K.NEL