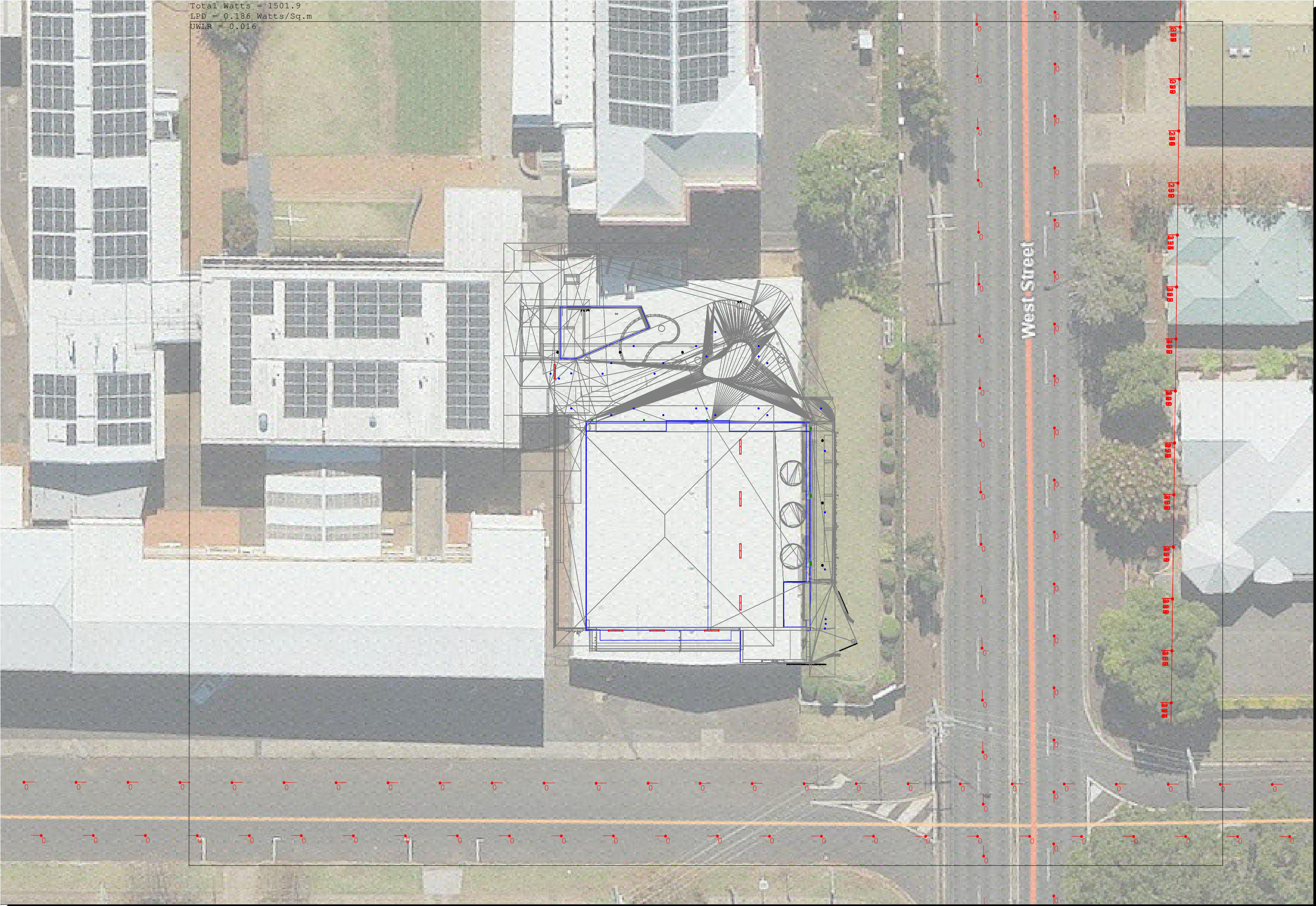




Calculation Summary						
Project: PROJECT						
Label	CalcType	Units	Avg	Max	Min	Max/Avg
ObtrusiveLight_1_Cd_Seg1	Obtrusive - Cd	N.A.	335.00	478	213	N.A.
ObtrusiveLight_1_Ill_Seg1	Obtrusive - Ill	Lux	1.43	2.2	0.4	N.A.
OL_HILL ST 1	Obtrusive - TI	%	0.00	0	0	N.A.
OL_HILL ST 2	Obtrusive - TI	%	0.00	0	0	N.A.
OL_WEST ST 1	Obtrusive - TI	%	0.00	0	0	N.A.
OL_WEST ST 2	Obtrusive - TI	%	0.00	0	0	N.A.

Luminaire Schedule								
Symbol	Qty	Arrangement	Tag	LLF	Luminaire Lumens	Luminaire Watts	Total Watts	Description
☉	6	Single	BL1	1.000	656	24	144	Athena Sky Shield 360 250mm Bollard, Textured Black, PC Amber (1800K)
➔	8	Single	B1	1.000	4787	40.7	325.6	BWP ECO WEATHERPROOF BATTEN GEN2
⊕	31	Single	D1	1.000	2243	18.3	567.3	COMO M
⊗	6	Single	S1	1.000	2072	25	150	EMSP0025 TB30_M
⊗	9	Single	W1	1.000	3742	35	315	JE-30391-VW-8030

Obtrusive Light - Compliance Report

AS/NZS 4282 2023, A3 - Medium District Brightness, Non-Curfew L1
Filename: DE260517 EXTERNAL LIGHTING 260721
22/07/2026 10:53:01 AM

ILLUMINANCE

Maximum Allowable Value: 10 Lux

Calculations Tested (1):

Calculation Label	Test Results	Max. Illum.
ObtrusiveLight_1_Ill_Seg1	PASS	2.4

LUMINOUS INTENSITY (Cd) AT VERTICAL PLANES

Maximum Allowable Value: 12500 Cd

Calculations Tested (1):

Calculation Label	Test Results
ObtrusiveLight_1_Cd_Seg1	PASS

THRESHOLD INCREMENT (TI)

Maximum Allowable Value: 20 %

Calculations Tested (4):

Calculation Label	Adaptation Test	Luminance Results
OL_HILL ST 1	10	PASS
OL_HILL ST 2	10	PASS
OL_WEST ST 1	10	PASS
OL_WEST ST 2	10	PASS

UPWARD WASTE LIGHT RATIO (UWLR)

Maximum Allowable Value: 2.0 %

Calculated UWLR: 1.6 %
Test Results: PASS

LIGHTING NOTES

- 1.THIS DRAWING IS INTENDED TO CONVEY THE DESIGN CONCEPT ONLY.
- 2.THE LIGHT LOSS FACTOR(LLF) APPLIED TO THIS SCHEME WAS 1. A TYPICAL MAINTENANCE PROGRAM THAT SUITS THIS VALUE WOULD BE:
- ALL LIGHT FITTINGS CLEANED AND INSPECTED ON A 1 YEAR CYCLE.
- ALL LED UNITS ARE NOT EXPECTED TO REQUIRE REPLACEMENT FOR 50,000 HOURS OF ACCUMULATED USE OR 10 YEARS WHICHEVER IS THE SOONER.
SINCE THIS IS AN EXTENDED PERIOD IN WHICH DETERIORATION CAN OCCUR IT IS RECOMMENDED THAT ILLUMINATION LEVELS ARE CHECKED PERIODICALLY THROUGH THE SCHEME LIFE, PARTICULARLY AS IT APPROACHES THE TIME LIMIT NOMINATED. IF ILLUMINATION VALUES FAIL TO MEET REQUIREMENTS RESTORATIVE ACTION SHOULD BE TAKEN.
- ANY SPONTANEOUS FAILURE BEFORE THIS TIME IS TO BE ASSESSED FOR IMPACT UPON THE ILLUMINATION AND IF DEEMED NECESSARY REPLACED.
- 3.LIGHTING CALCULATIONS ARE SUBJECT TO THE ACCURACIES & TOLERANCES IN ACCORDANCE WITH AS/NZS 3827.1:1998 & AS/NZS 3827.2:1998. THESE ACCURACIES & TOLERANCES INCLUDE VARIANCES IN THE BUILDING DIMENSIONS & OBSTRUCTIONS, SURFACE FINISHES, LUMINAIRE POSITIONING & AIMING, AMBIENT TEMPERATURE, ATMOSPHERIC CONDITIONS, LUMINAIRE PHOTOMETRY, LAMP OUTPUT, LIGHTING DESIGN SOFTWARE, ELECTRICAL SUPPLY & INSTRUMENT CALIBRATION.



B1 - PIERLITE ECO BWP BATTEN



BL1 - UNIOS ATHENA SKY SHIELD BOLLARD



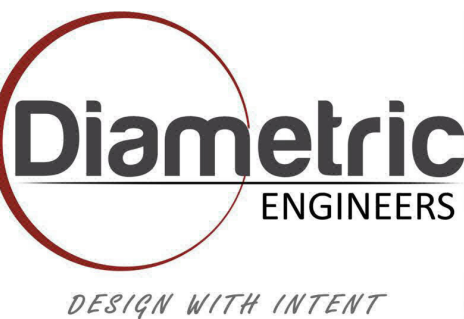
D1 - VERSALUX COMO



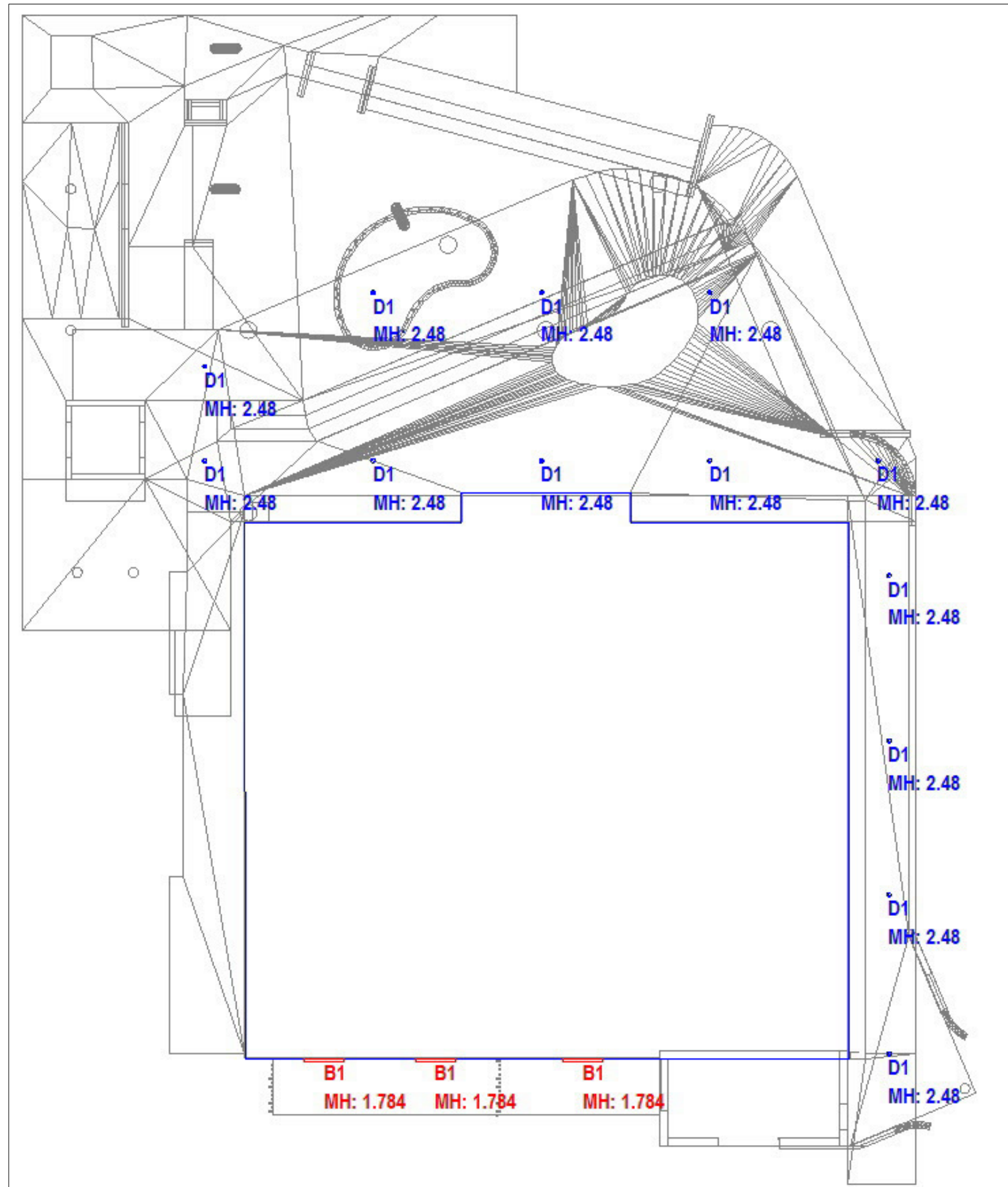
S1 - UNIOS EMERALD SPOTLIGHT



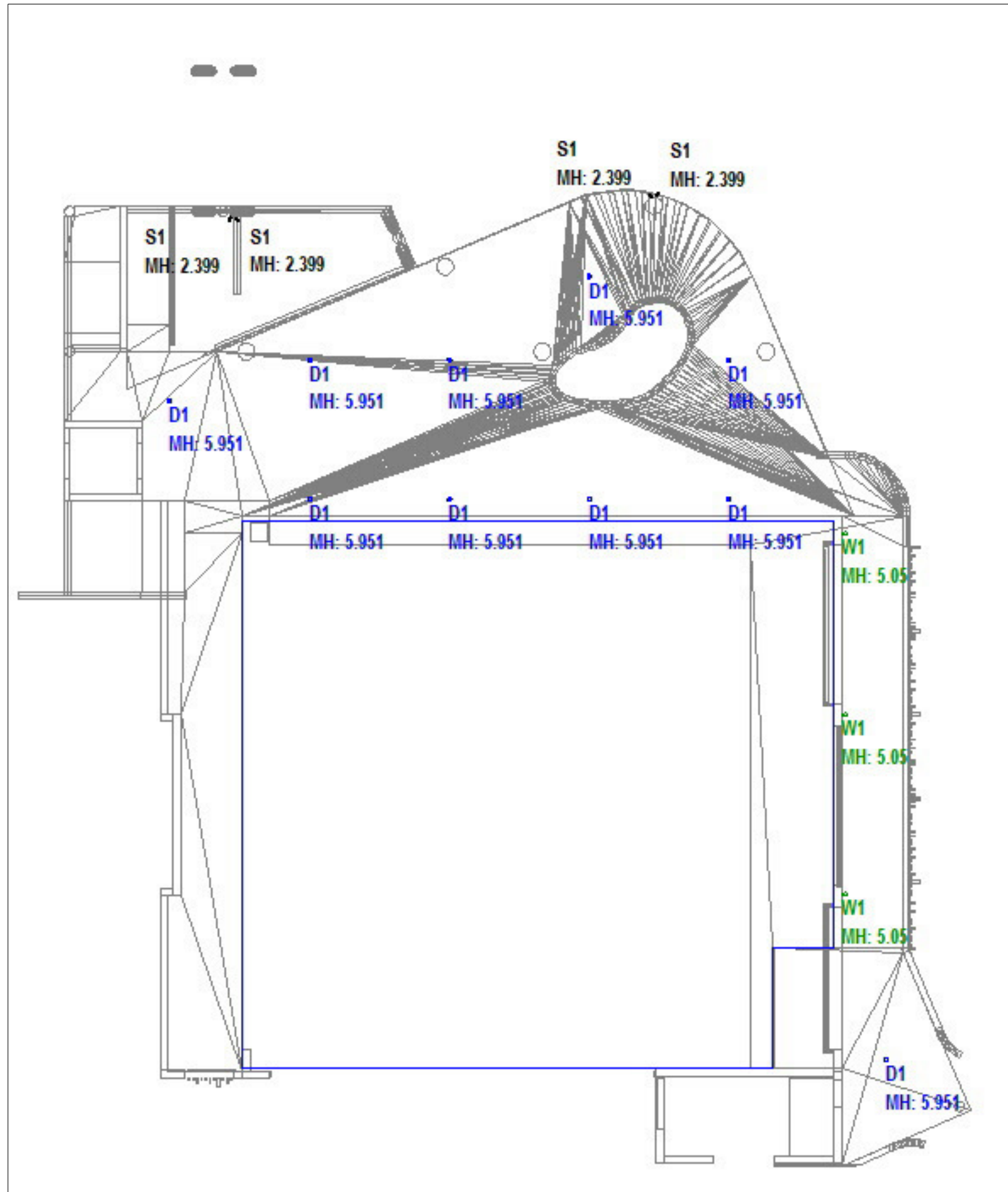
W1 - LIGMAN AUSTRALIA JET



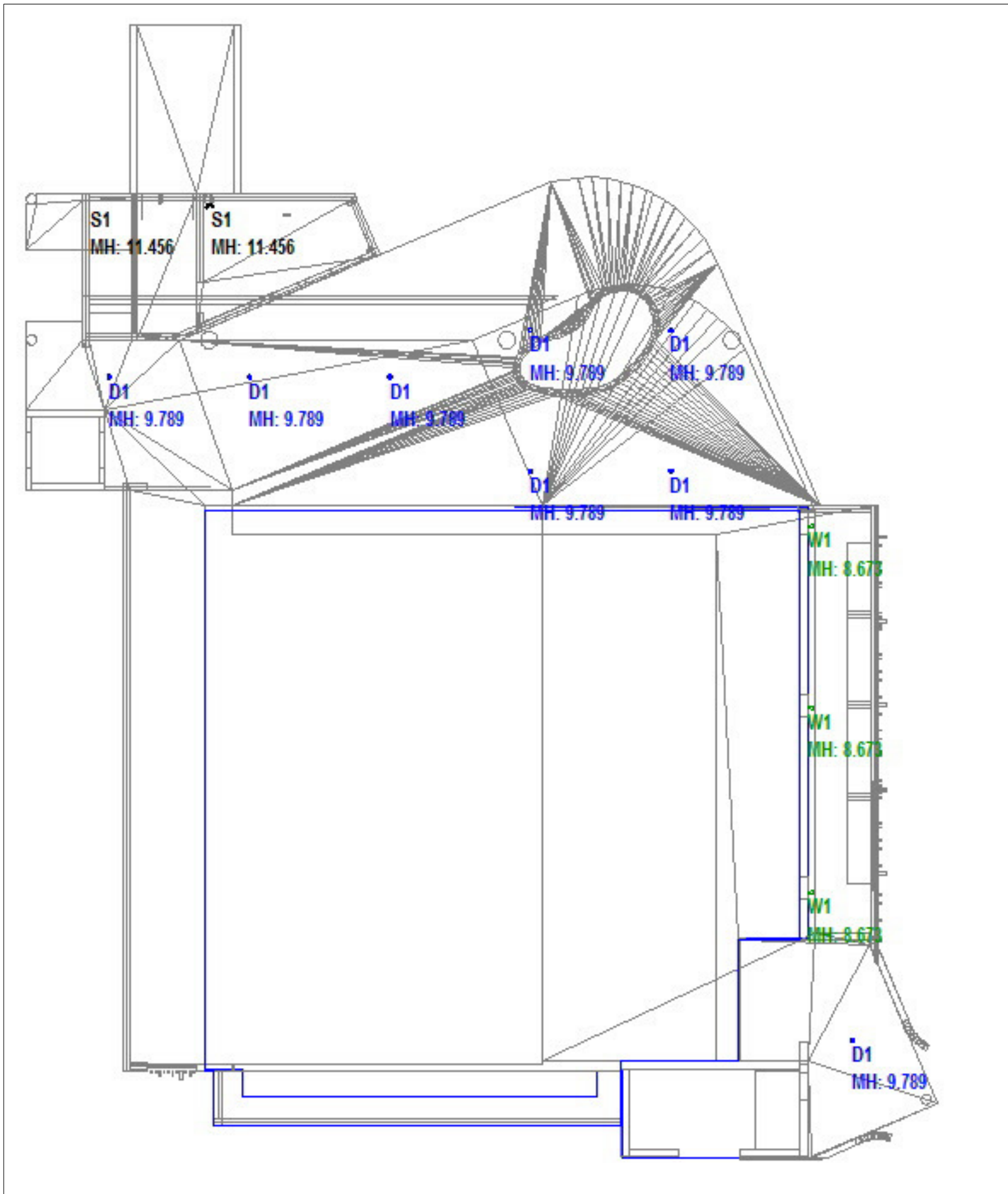
PROJECT NUMBER: DE260517
PROJECT NAME: SMC LEARNING CENTRE
CREATED BY: A.CHOW
DATE: 22/07/2026
REVISION: 2



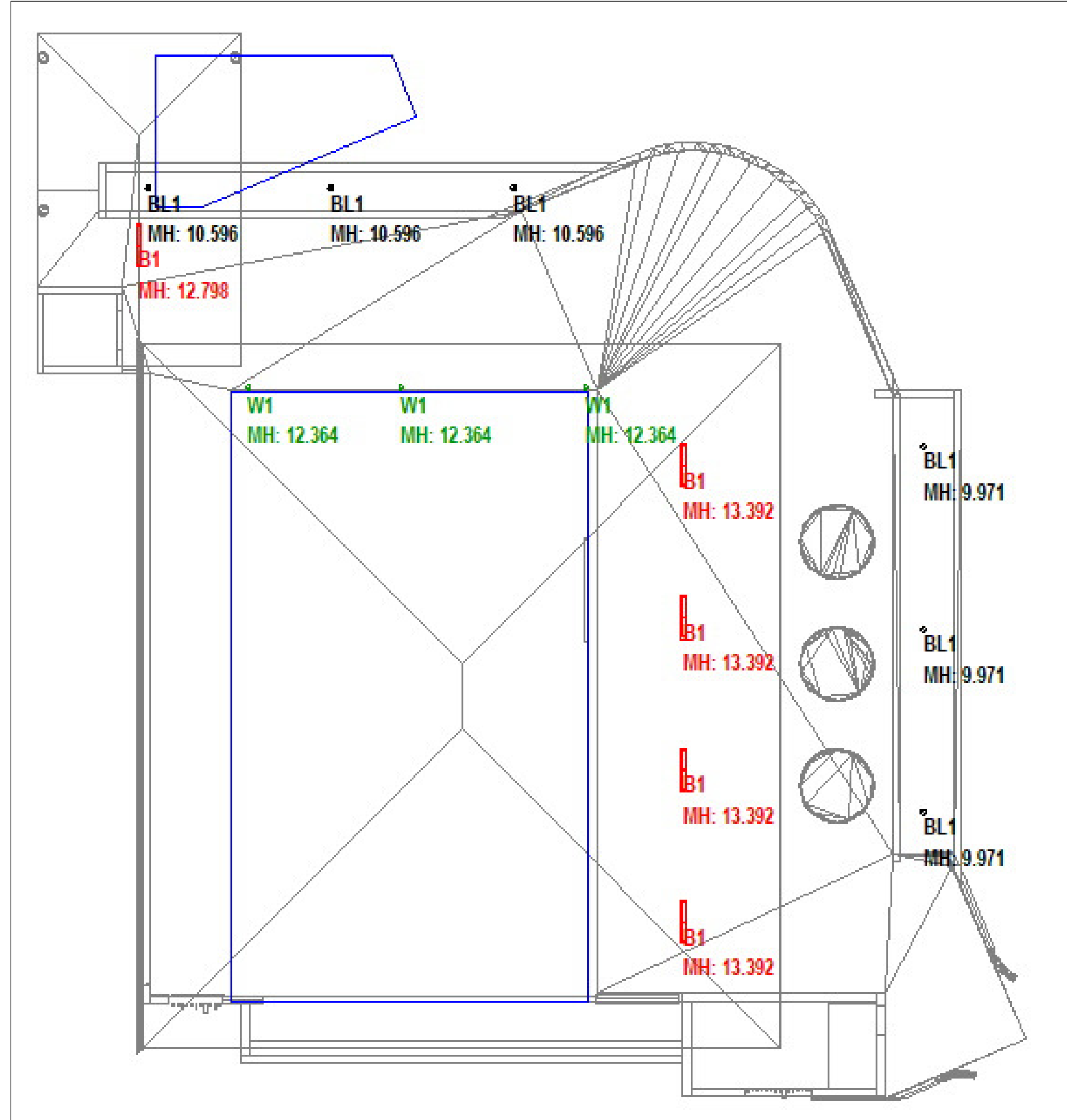
GROUND FLOOR (NTS)



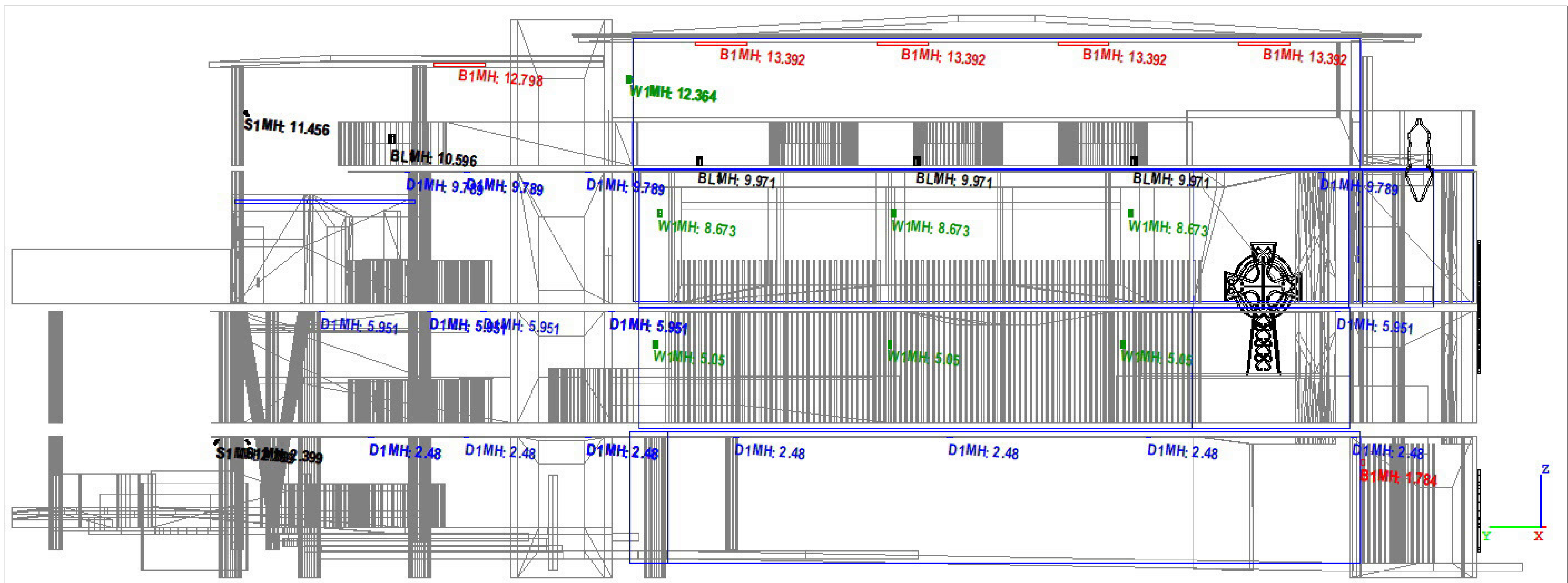
LEVEL 1 (NTS)



LEVEL 2 (NTS)



LEVEL 3 (NTS)



ELEVATION (NTS)