Supply from Public Lighting DMX Wireless Signal

Proposed Trench for DMX Control Cable

F08 locations to confirm with museum extension project

Terrace Level

F08 locations on terrace to confirm with testing on site

Installed at third party roof level
Exact location to confirm on site

Pole location to confirm on site with feast requirements

Pole location to confirm on site with feast requirements

Upper Bell

Top Bell

Factory Pre-Wired

Typical Layout for F09 Linear LED Profile with One Driver for multiple Profiles. Tender to offer the most practical & cost effective solution for the F09 LED Profiles

- EXISTING LIGHTING SOURCE (not Used)
- EXISTING LIGHTING SOURCE
- NEW LIGHTING DISTRIBUTION SOURCE
- WIRELESS DMX TRANSMITTER
- WIRELESS DMX RECEIVER

TENDER DRAWINGS

Tenderers are to review drawings
in conjunction with the Lighting Design Drawings

0 1 2 3 4 5 6 7 8 9 10m

LIGHTING DESIGN:

FRANCK FRANJOU Lighting Designers
4, Sappers Street, Valletta VLT1320, Malta
7, Rue du Pont Rouge, 77140 Nemours, France
Tel: +33 6 88 23 86 52 / +356 99 86 34 64

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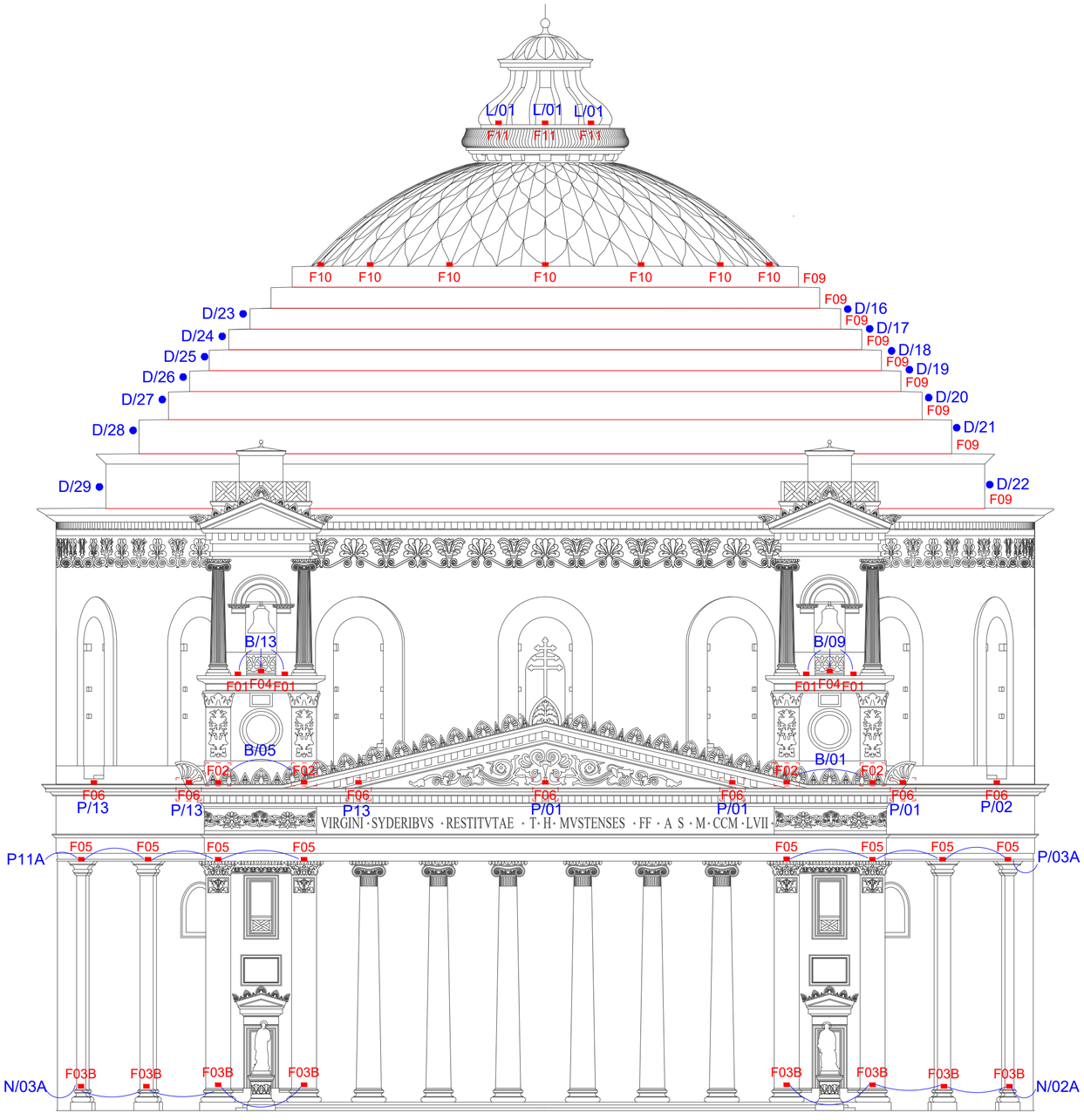
Level 4, Keimar Buildings, Giovanni Mamo Street, Birkirkara, BKR 2961, Malta.
www.emengineering.com.mt

Job	Mosta Basilica
Location	Mosta
Drawing No.	EM-00
Scale	A1 - 1:200
Date	23/08/2021
Description	Site Plan Lighting Layout
Client	MOSTA PARISH



- EXISTING LIGHTING SOURCE (not Used)
- EXISTING LIGHTING SOURCE
- NEW LIGHTING DISTRIBUTION SOURCE
- WIRELESS DMX TRANSMITTER
- WIRELESS DMX RECEIVER

TENDER DRAWINGS

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in conjunction with the Lighting Design Drawings

Indicates that the fitting's true positioning is concealed in elevation due to architectural elements

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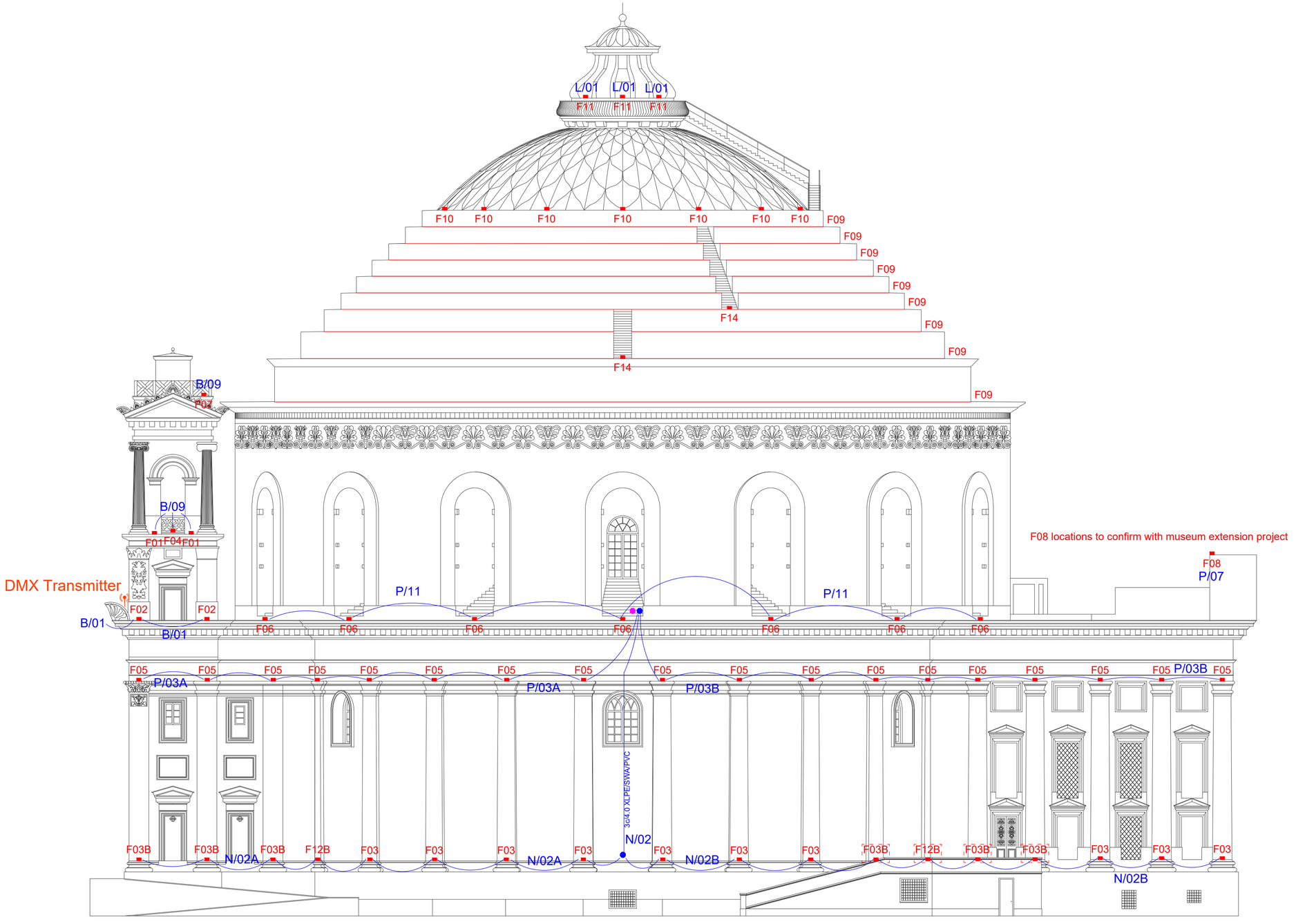
Job	Mosta Basilica	
Location	Mosta	
Drawing No. EM-01	Scale A2 - 1:200	Date 23/08/2021
Description	Front Elevation Lighting Layout	
Client	MOSTA PARISH	



- EXISTING LIGHTING SOURCE (not Used)
- EXISTING LIGHTING SOURCE
- NEW LIGHTING DISTRIBUTION SOURCE
- WIRELESS DMX TRANSMITTER
- WIRELESS DMX RECEIVER

TENDER DRAWINGS

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Indicates that the fitting's true positioning is concealed in elevation due to architectural elements

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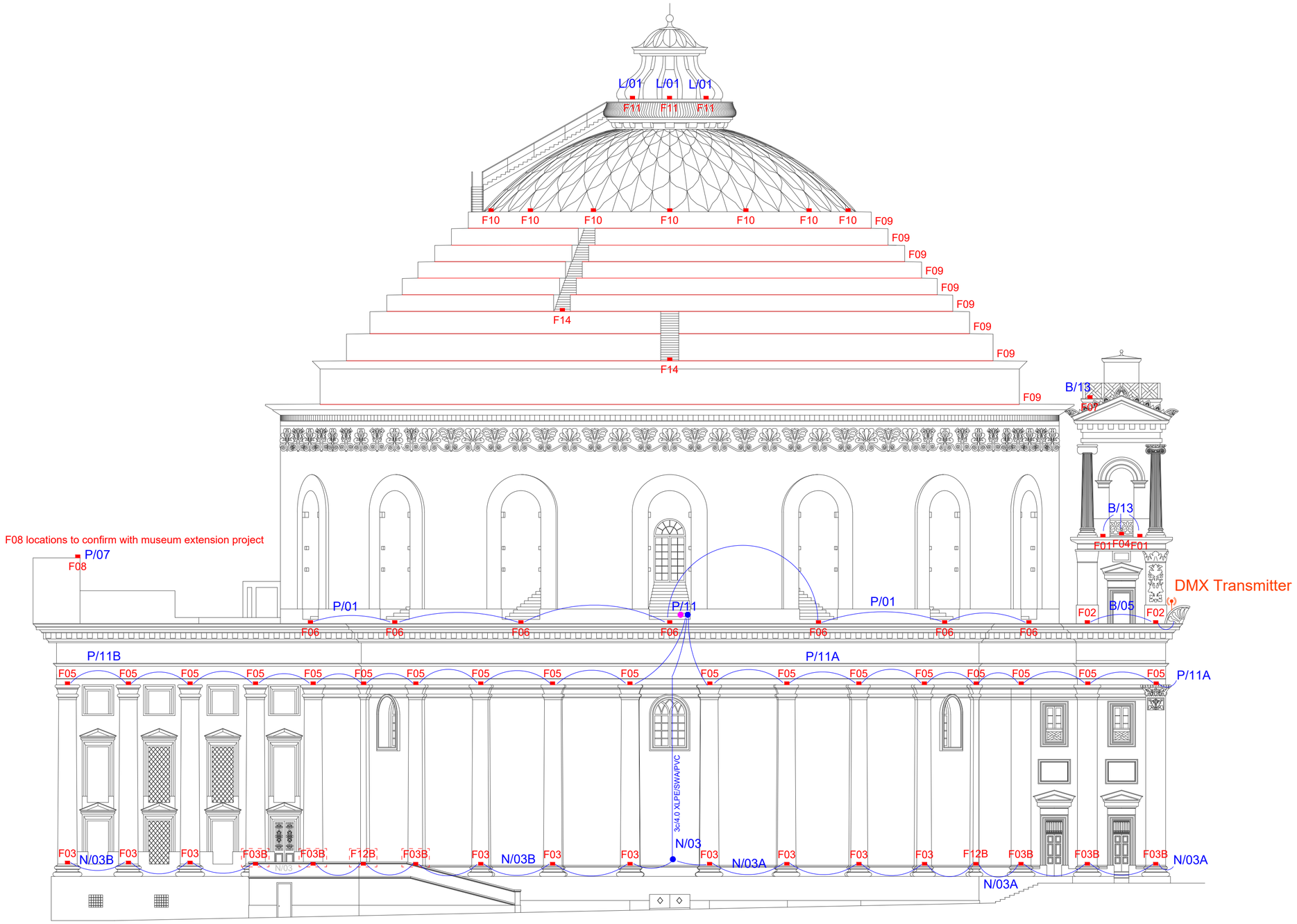
Birkirkara, BKR 2961,
Malta.
www.emengineering.com.mt

Job	Mosta Basilica
Location	Mosta
Drawing No.	EM-02
Scale	A2 - 1:200
Date	23/08/2021
Description	East Elevation Lighting Layout
Client	MOSTA PARISH



●	EXISTING LIGHTING SOURCE (not Used)
●	EXISTING LIGHTING SOURCE
●	NEW LIGHTING DISTRIBUTION SOURCE
	WIRELESS DMX TRANSMITTER
	WIRELESS DMX RECEIVER

TENDER DRAWINGS

Tenderers are to review drawings
in conjunction with the Lighting Design Drawings

Indicates that the fitting's true positioning is concealed in elevation due to architectural elements

0 1 2 3 4 5 6 7 8 9 10m

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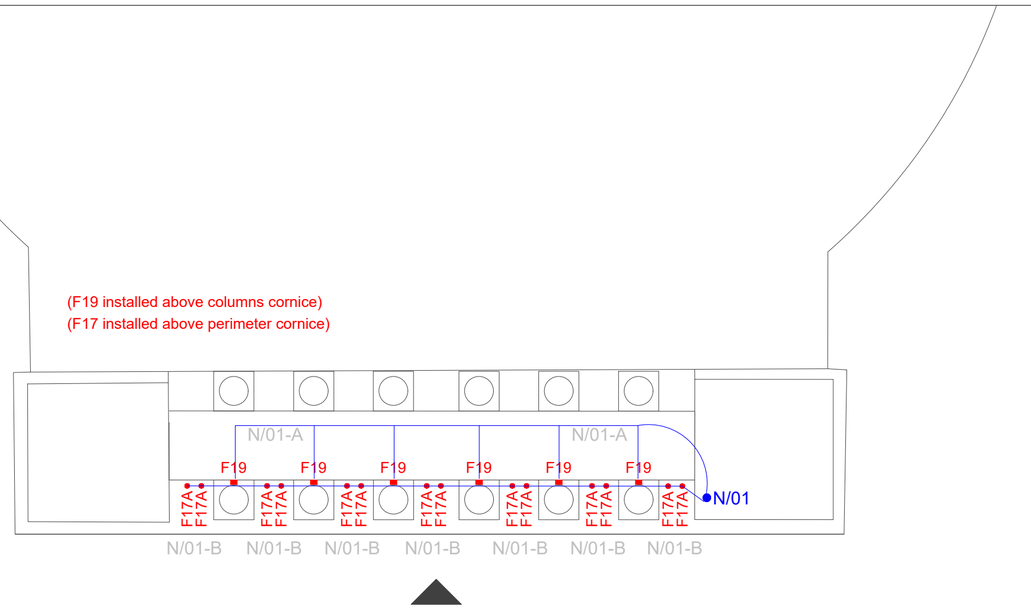
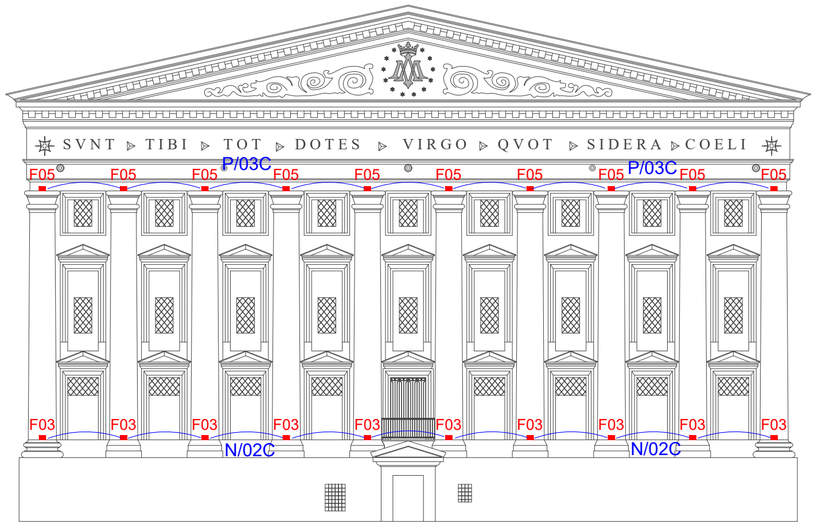
Job	Mosta Basilica	
Location	Mosta	
Drawing No. EM-03	Scale A2 - 1:200	Date 23/08/2021
Description	West Elevation Lighting Layout	
Client	MOSTA PARISH	





- EXISTING LIGHTING SOURCE (not Used)
- EXISTING LIGHTING SOURCE
- NEW LIGHTING DISTRIBUTION SOURCE
- WIRELESS DMX TRANSMITTER
- WIRELESS DMX RECEIVER

TENDER DRAWINGS

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in conjunction with the Lighting Design Drawings

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Job	Mosta Basilica		
Location	Mosta		
Drawing No.	EM-04	Scale	A2 - 1:200
Date	23/08/2021		
Description	Back Elevation & Portico RCP Lighting Layout		
Client	MOSTA PARISH		

DB Reference	D/01 (Dome)
DB Type	IP65 Plexo Box with Transparent cover & Omega Rail
Position	Dome
Fault Level	6KA
Incomer	2P-40A Isolator

Way	Reference	Protective Device	Cable	Circuit
1	D/01	2P-10A RCBO- A Type-100mA	3cr1.5 PVC/SC/PVC	20 No F09 Fittings
2	Blank			
3	Blank			

DB Reference	D/02 (Dome)
DB Type	IP65 Plexo Box with Transparent cover & Omega Rail
Position	Dome
Fault Level	6KA
Incomer	2P-40A Isolator

Way	Reference	Protective Device	Cable	Circuit
1	D/02	2P-10A RCBO- A Type-100mA	3cr1.5 PVC/SC/PVC	22 No F09 Fittings
2	Blank			
3	Blank			

DB Reference	D/03 (Dome)
DB Type	IP65 Plexo Box with Transparent cover & Omega Rail
Position	Dome
Fault Level	6KA
Incomer	2P-40A Isolator

Way	Reference	Protective Device	Cable	Circuit
1	D/03	2P-10A RCBO- A Type-100mA	3cr1.5 PVC/SC/PVC	7 No F10 Fittings
2	Blank			
3	Blank			

DB Reference	D/08 (Dome)
DB Type	IP65 Plexo Box with Transparent cover & Omega Rail
Position	Dome
Fault Level	6KA
Incomer	2P-40A Isolator

Way	Reference	Protective Device	Cable	Circuit
1	D/08	2P-10A RCBO- A Type-100mA	3cr1.5 PVC/SC/PVC	17 No. F09 Fittings
2	Blank			
3	Blank			

DB Reference	D/09 (Dome)
DB Type	IP65 Plexo Box with Transparent cover & Omega Rail
Position	Dome
Fault Level	6KA
Incomer	2P-40A Isolator

Way	Reference	Protective Device	Cable	Circuit
1	D/09	2P-10A RCBO- A Type-100mA	3cr1.5 PVC/SC/PVC	16 No F09 + 1 No F14
2	Blank			
3	Blank			

DB Reference	D/10 (Dome)
DB Type	IP65 Plexo Box with Transparent cover & Omega Rail
Position	Dome
Fault Level	6KA
Incomer	4P-40A Isolator

Way	Reference	Protective Device	Cable	Circuit
1	D/10	2P-10A RCBO- A Type-100mA	3cr1.5 PVC/SC/PVC	8 No. F10 Fittings
2	Blank			
3	Blank			

DB Reference	D/11 (Dome)
DB Type	IP65 Plexo Box with Transparent cover & Omega Rail
Position	Dome
Fault Level	6KA
Incomer	2P-40A Isolator

Way	Reference	Protective Device	Cable	Circuit
1	D/11	2P-10A RCBO- A Type-100mA	3cr1.5 PVC/SC/PVC	16 No. F09 Fittings
2	Blank			
3	Blank			

DB Reference	D/12 (Dome)
DB Type	IP65 Plexo Box with Transparent cover & Omega Rail
Position	Dome
Fault Level	6KA
Incomer	2P-40A Isolator

Way	Reference	Protective Device	Cable	Circuit
1	D/12	2P-10A RCBO- A Type-100mA	3cr1.5 PVC/SC/PVC	15 No. F09 Fittings
2	Blank			
3	Blank			

DB Reference	D/14 (Dome)
DB Type	IP65 Plexo Box with Transparent cover & Omega Rail
Position	Dome
Fault Level	6KA
Incomer	2P-40A Isolator

Way	Reference	Protective Device	Cable	Circuit
1	D/14	2P-10A RCBO- A Type-100mA	3cr1.5 PVC/SC/PVC	16 No F09 + 1 No F14
2	Blank			
3	Blank			

DB Reference	D/15 (Dome)
DB Type	IP65 Plexo Box with Transparent cover & Omega Rail
Position	Dome
Fault Level	6KA
Incomer	2P-40A Isolator

Way	Reference	Protective Device	Cable	Circuit
1	D/15	2P-10A RCBO- A Type-100mA	3cr1.5 PVC/SC/PVC	23 No. F09 Fittings
2	Blank			
3	Blank			

DB Reference	B/01 (Bell)
DB Type	IP65 Plexo Box with Transparent cover & Omega Rail
Position	Bell
Fault Level	6KA
Incomer	2P-40A Isolator

Way	Reference	Protective Device	Cable	Circuit
1	B01	2P-10A RCBO- A Type-100mA	3cr1.5 PVC/SC/PVC	4 No. F02 - 1 No. F08 - 2 No. F07
2	Blank			
3	Blank			

DB Reference	B/05 (Bell)
DB Type	IP65 Plexo Box with Transparent cover & Omega Rail
Position	Upper Bell
Fault Level	6KA
Incomer	2P-40A Isolator

Way	Reference	Protective Device	Cable	Circuit
1	B05	2P-10A RCBO- A Type-100mA	3cr1.5 PVC/SC/PVC	4 No. F02 - 1 No. F08 - 2 No. F07
2	Blank			
3	Blank			

DB Reference	B/09 (Bell)
DB Type	IP65 Plexo Box with Transparent cover & Omega Rail
Position	Upper Bell
Fault Level	6KA
Incomer	2P-40A Isolator

Way	Reference	Protective Device	Cable	Circuit
1	B09	2P-10A RCBO- A Type-100mA	3cr1.5 PVC/SC/PVC	4 No. F01 - 2 No. F04 - 1 No. F07
2	Blank			
3	Blank			

DB Reference	B/13 (Bell)
DB Type	IP65 Plexo Box with Transparent cover & Omega Rail
Position	Lower Bell
Fault Level	6KA
Incomer	2P-40A Isolator

Way	Reference	Protective Device	Cable	Circuit
1	B13	2P-10A RCBO- A Type-100mA	3cr1.5 PVC/SC/PVC	4 No. F01 - 2 No. F04 - 1 No. F07
2	Blank			
3	Blank			

DB Reference	P/01 (Portico)
DB Type	IP65 Plexo Box with Transparent cover & Omega Rail
Position	Portico
Fault Level	6KA
Incomer	2P-40A Isolator

Way	Reference	Protective Device	Cable	Circuit
1	P01	2P-10A RCBO- A Type-100mA	3cr1.5 PVC/SC/PVC	6 No. F06 Fittings
2	Blank			
3	Blank			

DB Reference	P/03 (Portico)
DB Type	IP65 Plexo Box with Transparent cover & Omega Rail
Position	Portico
Fault Level	6KA
Incomer	2P-40A Isolator

Way	Reference	Protective Device	Cable	Circuit
1	P03A	2P-10A RCBO- A Type-100mA	3cr1.5 PVC/SC/PVC	10 No. F04 Fittings
2	P03B	2P-10A RCBO- A Type-100mA	3cr1.5 PVC/SC/PVC	10 No. F05 Fittings
3	P03C	2P-10A RCBO- A Type-100mA	3cr1.5 PVC/SC/PVC	10 No. F05 Fittings

DB Reference	P/06 (Portico)
DB Type	IP65 Plexo Box with Transparent cover & Omega Rail
Position	Portico
Fault Level	6KA
Incomer	2P-40A Isolator

Way	Reference	Protective Device	Cable	Circuit
1	P06	2P-10A RCBO- A Type-100mA	3cr1.5 PVC/SC/PVC	3 No. F06 + 3 No. F08
2	Blank			
3	Blank			

DB Reference	P/08 (Portico)
DB Type	IP65 Plexo Box with Transparent cover & Omega Rail
Position	Portico
Fault Level	6KA
Incomer	2P-40A Isolator

Way	Reference	Protective Device	Cable	Circuit
1	P08	2P-10A RCBO- A Type-100mA	3cr1.5 PVC/SC/PVC	5 No. F06 Fittings
2	Blank			
3	Blank			

DB Reference	P/11 (Portico)
DB Type	IP65 Plexo Box with Transparent cover & Omega Rail
Position	Portico
Fault Level	6KA
Incomer	2P-40A Isolator

Way	Reference	Protective Device	Cable	Circuit
1	P11A	2P-10A RCBO- A Type-100mA	3cr1.5 PVC/SC/PVC	10 No F05 Fittings
2	P11B	2P-10A RCBO- A Type-100mA	3cr1.5 PVC/SC/PVC	10 No F05 Fittings
3	Blank			

DB Reference	P/13 (Portico)
DB Type	IP65 Plexo Box with Transparent cover & Omega Rail
Position	Portico
Fault Level	6KA
Incomer	2P-40A Isolator

Way	Reference	Protective Device	Cable	Circuit
1	P13	2P-10A RCBO- A Type-100mA	3cr1.5 PVC/SC/PVC	3 No. F06 Fittings
2	Blank			
3	Blank			

DB Reference	L/01 (Top Dome Lantern)
DB Type	IP65 Plexo Box with Transparent cover & Omega Rail
Position	Top Dome Lantern
Fault Level	6KA
Incomer	2P-40A Isolator

Way	Reference	Protective Device	Cable	Circuit
1	L01	2P-10A RCBO- A Type-100mA	3cr1.5 PVC/SC/PVC	8 No F11 Fittings
2	Blank			
3	Blank			

Refrance	N/01 (High Level Lights above Main Entrance)
DB Type	IP65 Plexo Box with Transparent cover & Omega Rail
Position	East Bell Tower
Fault Level	6KA
Incomer	2P-40A Isolator

Way	Reference	Protective Device	Cable	Circuit
1	N01A	2P-10A RCBO- A Type-100mA	3cr1.5 PVC/SC/PVC	6 No. F19 Light Fittings
2	N01B	2P-10A RCBO- A Type-100mA	3cr1.5 PVC/SC/PVC	14 No. F17A Light Fittings
3	Blank			

Refrance	N/02 (Low Level Lights)
DB Type	IP65 Plexo Box with Transparent cover & Omega Rail
Position	Low Level Lights
Fault Level	6KA
Incomer	2P-40A Isolator

Way	Reference	Protective Device	Cable	Circuit
1	N02A	2P-10A RCBO- A Type-100mA	3cr1.5 PVC/SC/PVC	9 No. F03B + F12B + F03
2	N02B	2P-10A RCBO- A Type-100mA	3cr1.5 PVC/SC/PVC	6 No. F02 + 4 No. F03B
3	N22C	2P-10A RCBO- A Type-100mA	3cr1.5 PVC/SC/PVC	10 No. F03 Fittings

Refrance	N/03 (Low Level Lights)
DB Type	IP65 Plexo Box with Transparent cover & Omega Rail
Position	Low Level Lights
Fault Level	6KA
Incomer	2P-40A Isolator

Way	Reference	Protective Device	Cable	Circuit
1	N03A	2P-10A RCBO- A Type-100mA	3cr1.5 PVC/SC/PVC	8 No. F03 + 4 No. F03B
2	N03B	2P-10A RCBO- A Type-100mA	3cr1.5 PVC/SC/PVC	4 No. F03 + 7 No. F03B + F12B
3	Blank			

DB Reference	DB/WL(West Bell Tower)
DB Type	Modular 63A TPN Metal Clad Surface, with Transparent Cover
Position	West Bell Tower
Fault Level	6KA
Incomer	4P-63A MCB (Existing supply from Main Panel)

Way	Reference	Protective Device	Cable	Circuit
1	Spare	2P-16A RCBO- A Type-100mA		
	Spare	2P-16A RCBO- A Type-100mA		
	Blank			
2	WL1	3P-25A MCB	5c/4.0 XLPE/SWA/PVC	Existing circuit
3	WL2	3P-25A MCB	5c/4.0 XLPE/SWA/PVC	Existing circuit
4	WL3	3P-25A MCB	5c/4.0 XLPE/SWA/PVC	Existing circuit
5	WL4	3P-25A MCB	5c/4.0 XLPE/SWA/PVC	Existing circuit
6	EL/DE	3P-25A MCB	5c/6.0 XLPE/SWA/PVC	New Circuit to D-25 to D-29
7	Blank			
8	Blank			
9	Blank			
10	SA	4P-25A RCBO	5x4.0	Surge arrestor 25kA (Type 1 & 2) combined)

DB Reference	DB/EL(East Bell Tower)
DB Type	Modular 63A TPN Metal Clad Surface, with Transparent Cover
Position	East Bell Tower
Fault Level	6KA
Incomer	4P-63A MCB (Existing supply from Main Panel)

Way	Reference	Protective Device	Cable	Circuit
1	N/01	2P-10A RCBO- A Type-100mA	3cr1.5 PVC/SC/PVC	High Level Main Entrance Lights
	Spare	2P-16A RCBO- A Type-100mA		
	Blank			
2	EL1	3P-25A MCB	5c/4.0 XLPE/SWA/PVC	Existing circuit
3	EL2	3P-25A MCB	5c/4.0 XLPE/SWA/PVC	Existing circuit
4	EL3	3P-25A MCB	5c/4.0 XLPE/SWA/PVC	Existing circuit
5	EL4	3P-25A MCB	5c/4.0 XLPE/SWA/PVC	Existing circuit
6	EL/DE	3P-25A MCB	5c/6.0 XLPE/SWA/PVC	New Circuit to D-16 to D-22
7	DB/WL(West Bell Tower)	3P-32A MCB	5c/6.0 XLPE/SWA/PVC	Existing circuit
8	Blank			
9	Blank			
10	SA	4P-25A RCBO-100mA		Surge arrestor 25kA (Type 1 & 2) combined)

Reference	D/13-D/13-D/20-D/21-D/22(East Dome) & D/25-D/26-D/27-D/28-D/29(West Dome)
DB Type	IP65 Plexo Box with Transparent cover & Omega Rail
Position	Low Level Lights
Fault Level	6KA
Incomer	4P-40A Isolator

Way	Reference	Protective Device	Cable	Circuit
1	DxxA	2P-10A RCBO- A Type-100mA	3cr1.5 PVC/SC/PVC	F09 Light Fittings + F14
2	DxxB	2P-10A RCBO- A Type-100mA	3cr1.5 PVC/SC/PVC	F09 Light Fittings + F14
3	Blank			

D29
D28
D27
D26
D25

D22
D21
D20
D19
D18

LIGHTING DESIGN:
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Job	Mosta Basilica
Location	Mosta
Drawing No.	EM-Sch
Scale	A2 - NTS
Date	23/08/2021
Description	Electrical Schematic Layout
Client	MOSTA PARISH