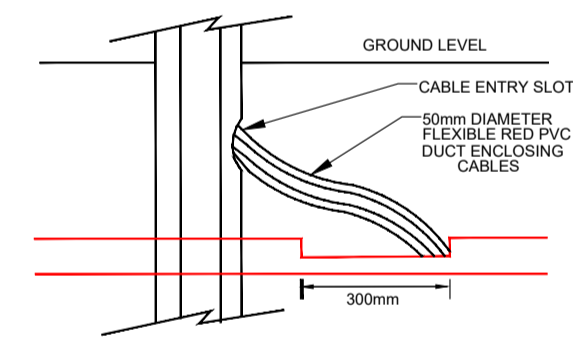
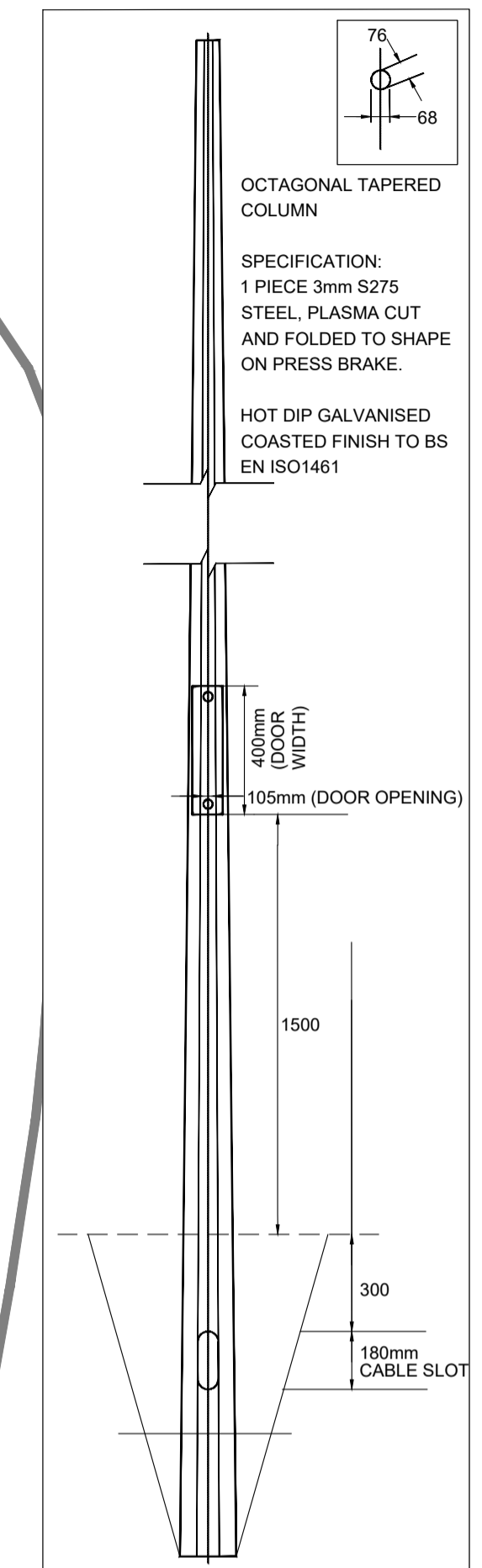


NOTES

- ALL EXTERIOR LIGHTING SHALL COMPLY WITH CODE OF PRACTICE FOR THE DESIGN OF ROAD LIGHTING BS5489-1:2013, EN13201-2015, DUBLIN SOUTH COUNTY COUNCIL PUBLIC LIGHTING INSTALLATION IN RESIDENTIAL AND INDUSTRIAL AREAS, NATIONAL RULES FOR ELECTRICAL INSTALLATION ET101:2008, PART 1 GENERAL REQUIREMENTS & PART 2.3 PARTICULAR REQUIREMENTS FOR PUBLIC LIGHTING INSTALLATIONS.
- THE EXTERNAL LIGHTING LAYOUT HAS BEEN DESIGNED IN ACCORDANCE WITH IS EN 13201-2015 & CIBSE GUIDE LG-06 GUIDELINES.
- DUCTING SHALL COMPLY WITH BSEN 50086-1-2-3-4 LATEST EDITION & SHALL BE SINGLE WALL, COLORED RED & MANUFACTURED FROM HIGH DENSITY POLYPROPYLENE. THE NOMINAL EXTERNAL DIAMETER OF THE DUCT SHALL BE 107mm WITH A MINIMAL WALL THICKNESS OF 5mm. EACH LENGTH OF DUCT SHALL BE STAMPED WITH THE WORDS "PUBLIC LIGHTING" OR ALTERNATIVELY "STREET LIGHTING" IN 18mm BLACK LETTERING AT 0 DEGREES, AT ONE METRE INTERVALS. DUCT SHALL BE LAID WITH THIS LEGEND FACING UPWARDS. DUCT SHALL BE LAID IN A STRAIGHT LINE CLOSE TO THE LINE OF THE COLUMN LOCATIONS & SHALL CONTAIN A CONTINUOUS DRAW WIRE OF 8KN STRENGTH. ALL DUCTS SHALL BE PROVEN WITH BRUSH AND MANDRILL. POLYPROPYLENE ROPED AND PLUGGED AND COMPLIANT WITH ET101 REQUIREMENTS RED DUCT DUCT SHALL BE USED FOR EXTERIORS LIGHTING CABLES.
- A MINIMUM DEPTH OF 600mm COVER IS REQUIRED IN URBAN PATHWAYS & A MINIMUM OF 800mm COVER IS REQUIRED FOR GRASS MARGINS, PEDESTRIAN WAYS, LANEWAYS & GATEWAY ENTRANCES & A MINIMUM DEPTH OF 750mm IS REQUIRED AT ROAD CROSSINGS OR IN CARRIAGEWAYS.
- ALL CABLE DRAW INSPECTION PITS SHALL BE OF DUCTILE IRON GALVANISED STEEL FRAME WITH FRAME OPENING OF 615mm x 615mm TO CONFORM TO EN1248125 MARKED "PUBLIC LIGHTING" OR TRAFFIC WITH M16 STAINLESS STEEL LOCKING BOLT. ALL CABLE DRAW INSPECTION PITS FOR USE ON CARRIAGEWAYS SHALL BE OF THE SAME DIMENSION AS ABOVE WITH HIGH STRENGTH ENGINEERING OR SITU CONCRETE. COVERS AND FRAMES SHALL BE APPROVED BY LICENSED BODY NSAI OR BRITISH STANDARDS INSTITUTE OF QUALITY ASSURANCE SERVICES.
- ALL EQUIPMENT TO BE SUITABLY IP & IK RATED FOR THE ENVIRONMENT THEY ARE BEING INSTALLED.
- LIGHT COLUMN SETBACK SHALL BE 0.8M FROM KERB IN ACCORDANCE WITH BS5489-1 TABLE 2 & WICKLOW COUNTY COUNCIL PUBLIC LIGHTING SPECIFICATION.
- SITE LIGHTING CABLING TO TERMINATE IN SITE MINI PILLARS AS INDICATED.
- PUBLIC LIGHTING COLUMNS TO BE CONSTRUCTED OF GALVANISED STEEL AND COMPLY WITH DUBLIN SOUTH COUNTY COUNCIL PUBLIC LIGHTING SPECIFICATION REQUIREMENTS & EN40 STANDARDS.
- EXISTING SITE LIGHTING TO BE DISCONNECTED, STRIPPED BACK AND REUSED TO FORM PART OF THE NEW SITE LIGHTING LAYOUT.

PUBLIC LIGHTING COLUMN DETAIL SCHEDULE			
COLUMN MOUNTING HEIGHT:	10M	8M	6M
ROOT DEPTH:	1.5M	1.2M	1.0M
CABLE ENTRY DEPTH:	0.3M	0.3M	0.3M
ROOTING CONCRETE DEPTH:	0.8M	0.7M	0.5M
HEIGHT OF COLUMN DOOR:	1.5M	1.5M	1.5M



SCHEDULE OF SYMBOLS

- LANTERN ORIENTATION
- COLUMN BASE
- NEW LIGHT FITTING (TRAFFIC R LED) TO BE INSTALLED ON EXISTING 8M LIGHT POLE
 - TRAFFIC R LED LIGHTING FITTING MOUNTED ON NEW 8M POLE
 - BOLLARD LIGHT FITTING
 - MIDI PILLAR
 - RECESSED IP65 LED DOWNLIGHT
 - SURFACE MOUNTED LINEAR LIGHT
 - SURFACE MOUNTED CIRCULAR - IP RATED
 - SURFACE MOUNTED EMERGENCY LED.
 - WALL MOUNTED LED EXIT SIGN
 - 1x100mm PL DUCT - SITE LIGHTING CABLE LAYOUT (INDICATIVE)

REV	DESCRIPTION	DRN	ENG	APP	DATE
T1	TENDER ISSUE	FB	FB	NP	08/07/22
P2	PRELIM ISSUE - UPDATED ARCH	FB	FB	NP	04/03/22
P1	PRELIM DESIGN ISSUE	FB	FB	NP	29/11/21

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Penston MEP Consulting

NSAI
ISO 9001:2015
QUALITY

NSAI
OHSAS 18001:2007
HEALTH & SAFETY

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PROJECT: DRIVE THRU COFFEE SHOP LUCAN RETAIL PARK

CLIENT: NEW IRELAND ASSURANCE COMPANY PLC

ARCHITECT: JOSEPH DOYLE ARCHITECTS

DRAWING TITLE: ELECTRICAL SERVICES INSTALLATION SITE LIGHTING LAYOUT

SCALE	SHEET SIZE	DRAWING No.	REV.
A1 1:300	A1	T024-PMEP-00-00-DR-E-01	T1
A3 1:600			

