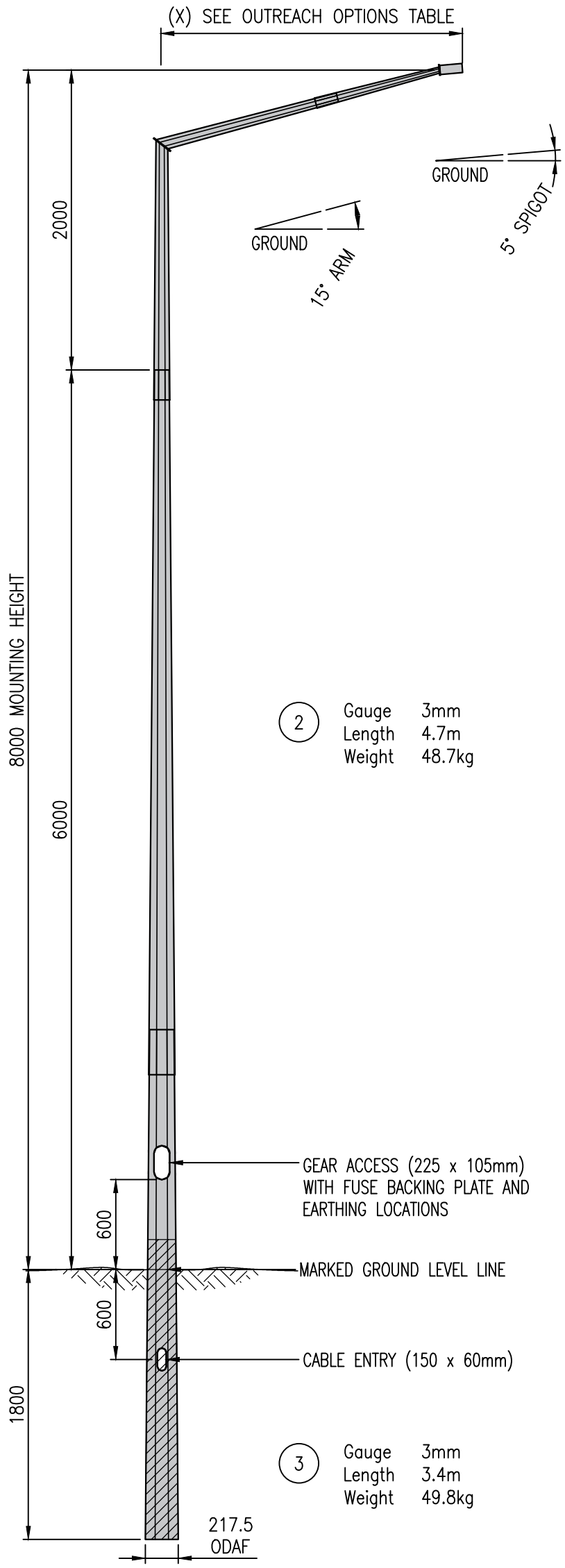
THIS POLE IS RATED FOR A COMBINED LOADING OF 20kg WITH UP TO A 0.12m² EFFECTIVE PROJECTED AREA (SEE DESIGN PARAMETERS BELOW)

IF YOU REQUIRE A GREATER LOADING OR ARE OUTSIDE OF THE DESIGN PARAMETERS PLEASE CONTACT SPUNLITE POLES TO CHECK CALCULATIONS – THIS WILL INCUR AN ADDITIONAL COST



COMPLETE ASSEMBLED VIEW
SCALE 1:35

GENERAL NOTES

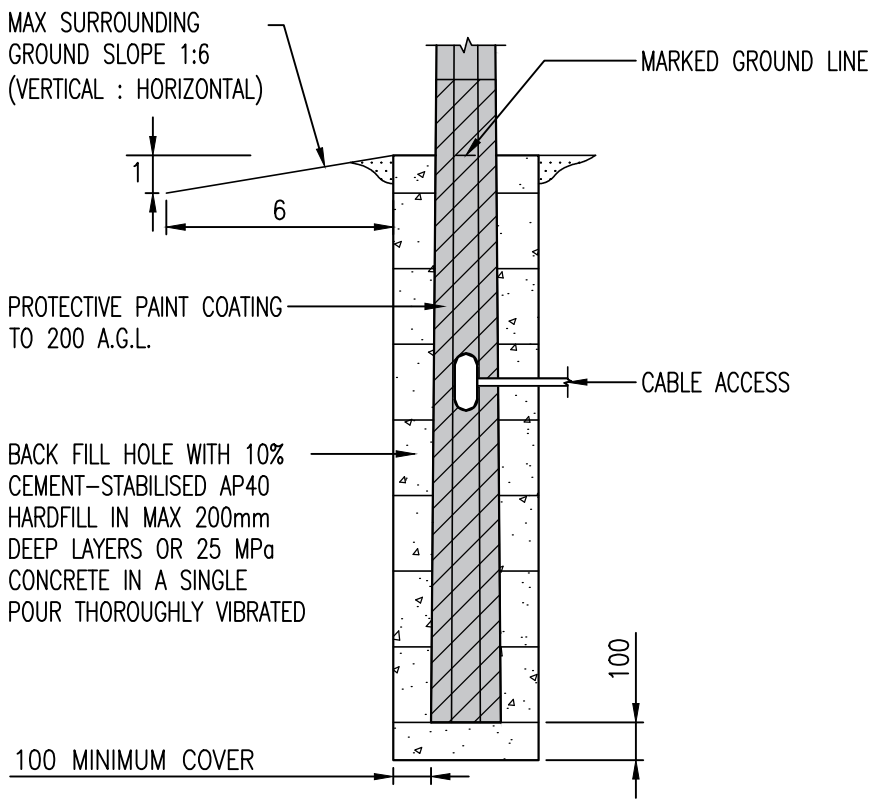
- All work shall comply with the relevant clauses of the N.Z. Building Code.
- If a PS1 is required, the client shall provide location and orientation information.
- The pole design complies with AS/NZS 4676:2000, AS/NZS 4600:2018, NZS 3404 Parts 1 & 2:1997, NZTA M26:2012, AS/NZS 1170.2:2021 (Refer to Design Parameters below).
- All welding complies with AS/NZS 1554.1 and 1554.5.
- Hot dip galvanising complies with AS/NZS 4680:2006.
- All pole sections and door reinforcing are Grade S355JR steel. All outreach arm sections are Grade S275JR and/or S355JR steel.
- Minimum section overlap is to be 1.5 times the outside diameter across flats (ODAF) of the female section.
- All units are in millimeters unless specified.

FOUNDATION DESIGN NOTES

The foundation design below assumes the following:

- The overlaps shown must be achieved on site in order to ensure compliance with this design.
- The ground planted depth is the minimum depth that must be achieved.
- This pole is rated for a maximum combined mass of 20.0kg and a maximum Effective Projected Area (EPA) of 0.12m².
- Soil Properties: A minimum available Ultimate Bearing Capacity (UBC) of 100kPa and a minimum available Ultimate Shear Strength Capacity (USSC) of 40kPa in natural soils.
- The foundation dimensions shown are a minimum only. Should soft soils, organic soils, organic peat, non-engineered filled ground or buried services other than electrical supply closer to the pole foundation than 1.5m be encountered on the site, further investigation is required before installation of the pole to ensure the foundation design is sufficient.
- On provision of a site-specific geotechnical report, Spunlite can provide an alternative foundation design which may include an increased excavation diameter, or utilisation of concrete fill. This service will incur an additional cost.
- The suitability of the site soil conditions for the foundation design parameters is to be verified on site by a suitably qualified person (A Chartered Professional Civil/Geotechnical Engineer is advisable).
- A maximum ground slope of 1:6 (Vertical : Horizontal) within 8m of the pole.
- The excavation is to be backfilled with either 10% cement stabilised AP40 hardfill in maximum of 200mm deep layers or concrete with a minimum compressive strength of 25MPa at 28 days. The foundation hardfill or concrete backfill is to be placed against the soil face.
- All concrete shall be constructed in accordance with the requirements of NZS 3109:1997.
- All concrete is to be poured in a single pour and shall be thoroughly vibrated with mechanical vibrators when placed.

MITRED OUTREACH OPTIONS			
PRODUCT CODE	OUTREACH LENGTH (X)	OUTREACH WEIGHT	SPIGOT
ISR0008	1m	19.4kg	ø60.3 x 150mm
ISR0009	2m	22.5kg	ø60.3 x 150mm
ISR0010	3m	25.1kg	ø60.3 x 150mm
ISR0011	4m	27.7kg	ø60.3 x 150mm



GROUND-PLANTED FOUNDATION DETAILS
SCALE 1:20

POLE ONLY WEIGHT = 98.5kg

Rev	Amendment Description	By	Chk	Date
1	PRODUCTION ISSUE	BW	PM	06.10.25
2	NOTES AMENDED	BW	PM	21.10.25

DESIGN PARAMETERS:
Design Working Life: 25 Years
Importance Level: 2
Wind Region: NZ1, NZ2, NZ3, NZ4
Terrain Category: TC2.0
Topographical Multiplier: 1.0

SPUNLITE LIMITED
www.spunlite.co.nz

PRODUCT: 8.0m GROUND PLANT OCTAGONAL STREETLIGHT POLE WITH CURVED OUTREACH

TITLE: M26 STANDARD RANGE

PRODUCT NUMBER	SHEET	DRG.SIZE	SCALE	REVISION
ISR0006	C1 SHT 01/01	A3	AS SHOWN	2

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