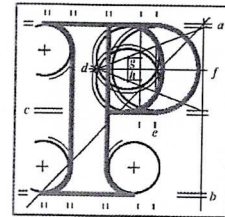


Our Case Number: ABP-314724-22

Planning Authority Reference Number:

Your Reference: Irish Life Assurance plc.



**An
Bord
Pleanála**

Waterman Moylan
Engineering Consultants
Block S
EastPoint Business Park
Alfie Byrne Road
Dublin 3
D03H3F4

Date: 20 January 2023

Re: Railway (Metrolink - Estuary to Charlemont via Dublin Airport) Order [2022]
Metrolink. Estuary through Swords, Dublin Airport, Ballymun, Glasnevin and City Centre to Charlemont, Co. Dublin

Dear Sir / Madam,

An Bord Pleanála has received your recent submission (including your fee of €50) in relation to the above-mentioned proposed Railway Order and will take it into consideration in its determination of the matter.

The Board will revert to you in due course with regard to the matter.

Please be advised, there is no fee for an affected landowner, listed on the schedule, to make an observation on this case, therefore, a refund of €50 will be made to the credit/debit card used to make the online observation.

Please be advised that copies of all submissions/observations received in relation to the application will be made available for public inspection at the offices of the relevant County Council(s) and at the offices of An Bord Pleanála when they have been processed by the Board.

More detailed information in relation to strategic infrastructure development can be viewed on the Board's website: www.pleanala.ie.

If you have any queries in the meantime, please contact the undersigned. Please quote the above mentioned An Bord Pleanála reference number in any correspondence or telephone contact with the Board.

Teil
Glao Áitiúil
Facs
Láithreán Gréasáin
Ríomhphost

Tel (01) 858 8100
LoCall 1890 275 175
Fax (01) 872 2684
Website www.pleanala.ie
Email bord@pleanala.ie

64 Sráid Maoilbhríde
Baile Átha Cliath 1
D01 V902

64 Marlborough Street
Dublin 1
D01 V902

Yours faithfully,



Niamh Thornton
Executive Officer
Direct Line: 01-8737247

Teil
Glao Áitiúil
Facs
Láithreán Gréasáin
Ríomhphost

Tel
LoCall
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Email

(01) 858 8100
1890 275 175
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www.pleanala.ie
bord@pleanala.ie

64 Sráid Maoilbhríde
Baile Átha Cliath 1
D01 V902

64 Marlborough Street
Dublin 1
D01 V902

Our Ref : 18-020.049.docx
Your Ref :
E-mail : r.osborne@waterman-moylan.ie
Date : 16 January 2023

An Bord Pleanála,
64 Marlborough Street,
Dublin 1,
D01 V902.

**Re : Railway (Metrolink–Estuary to Charlemont via Dublin Airport) Order 2022
4 Earlsfort Terrace Dublin 2 (Formerly known as Dolman House)**

Dear Sirs,

This submission has been prepared by Waterman Moylan on behalf of Irish Life Assurance plc. who are the owners of the existing commercial building located at 4 Earlsfort Terrace Dublin 2 (Formerly known as Dolman House)

The property is located in the City Centre between MetroLink Chainage 18+800 and Chainage 18+900.

Submission 1:

The route selection, including horizontal alignment, vertical alignment and depth of MetroLink below ground in the area between Chainage 18+800 and Chainage 18+900, should be reviewed by NTA / TII to satisfy themselves and to ensure that

- (a) MetroLink does not cause structural damage to the foundation system supporting our client's building.
- (b) MetroLink does not cause structural damage to our client's building at the basement level, any damage would result in the ingress of water into the basement.
- (c) MetroLink does not cause damage to the cladding; glazing and fragile finishes of our client's building.
- (d) MetroLink provides the necessary vertical and/or horizontal clearance between the existing basements and the tunnels.

Submission 2:

The construction information provided by MetroLink has been reviewed. We refer to the following points:

- a) Metrolink has assessed the "*Groundborne Noise from Tunnel Boring Machine*" and presents its findings on drawing no. ML1-JAI-EIA-ROUT-XX-DR-Y-14009 (a copy is attached to this submission). This drawing indicates MetroLink will generate an additional 45db directly under the location of our client's building which is unacceptable.

Block S, EastPoint Business Park, Alfie Byrne Road, Dublin D03 H3F4
t. 00 353 1 664 8900 f. 00 353 1 661 3618 e. info@waterman-moylan.ie w. www.waterman-moylan.ie

Directors: J. Gibbons, P. O'Connell, R. Osborne, C. Beresford (British), A. Steele (British)
Consultants: J. Caffrey, B. McCann, J. Moylan, P. Opdebeeck
Registered as Waterman Moylan Consulting Engineers Limited
Registered in Ireland 98095 **Registered Office:** Block S, EastPoint Business Park, Alfie Byrne Road, Dublin D03 H3F4
Offices: Australia, India, Ireland, United Kingdom





Submission 3:

The operational information provided by MetroLink has been reviewed. We refer to the following point:

- a) Metrolink has assessed the "*Groundborne Noise from Operation*" and presented its findings on drawing no. ML1-JAI-EIA-ROUT-XX-DR-Y-14041 (a copy is attached to this submission). This drawing indicates MetroLink will be generating an additional 25db directly under the location of our Clients building which is unacceptable.

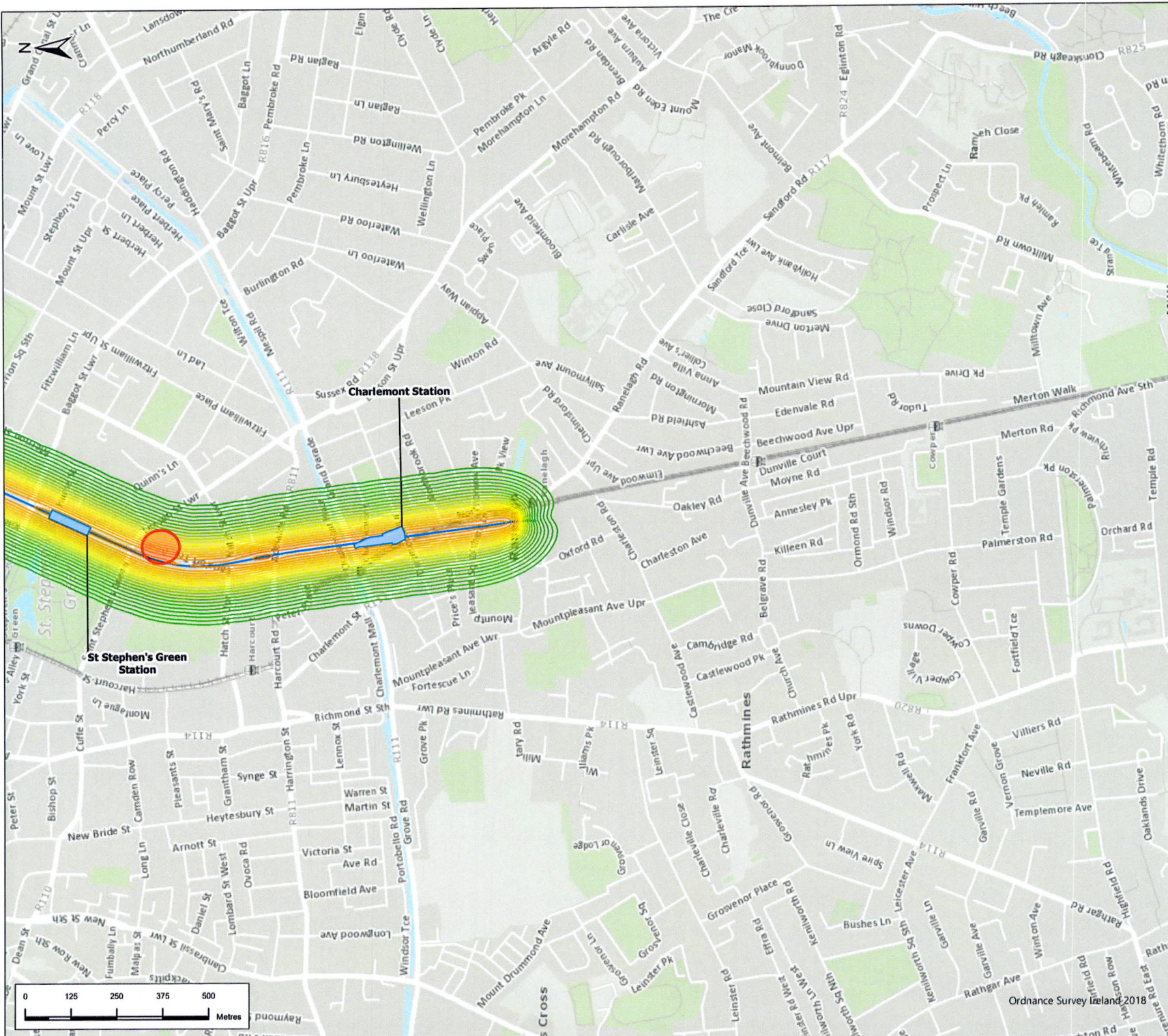
In summary, our client requests that the route of the proposed MetroLink tunnels are diverted away from their current proposed location to either below the public carriageway or buildings that will not be damaged or compromised by the presence of the tunnels located under.

Should you have any queries or wish to discuss any aspect of this submission, please contact me.

Yours sincerely,

Richard Osborne
Director
Waterman Moylan

Enc (2)



Legend

Alignment

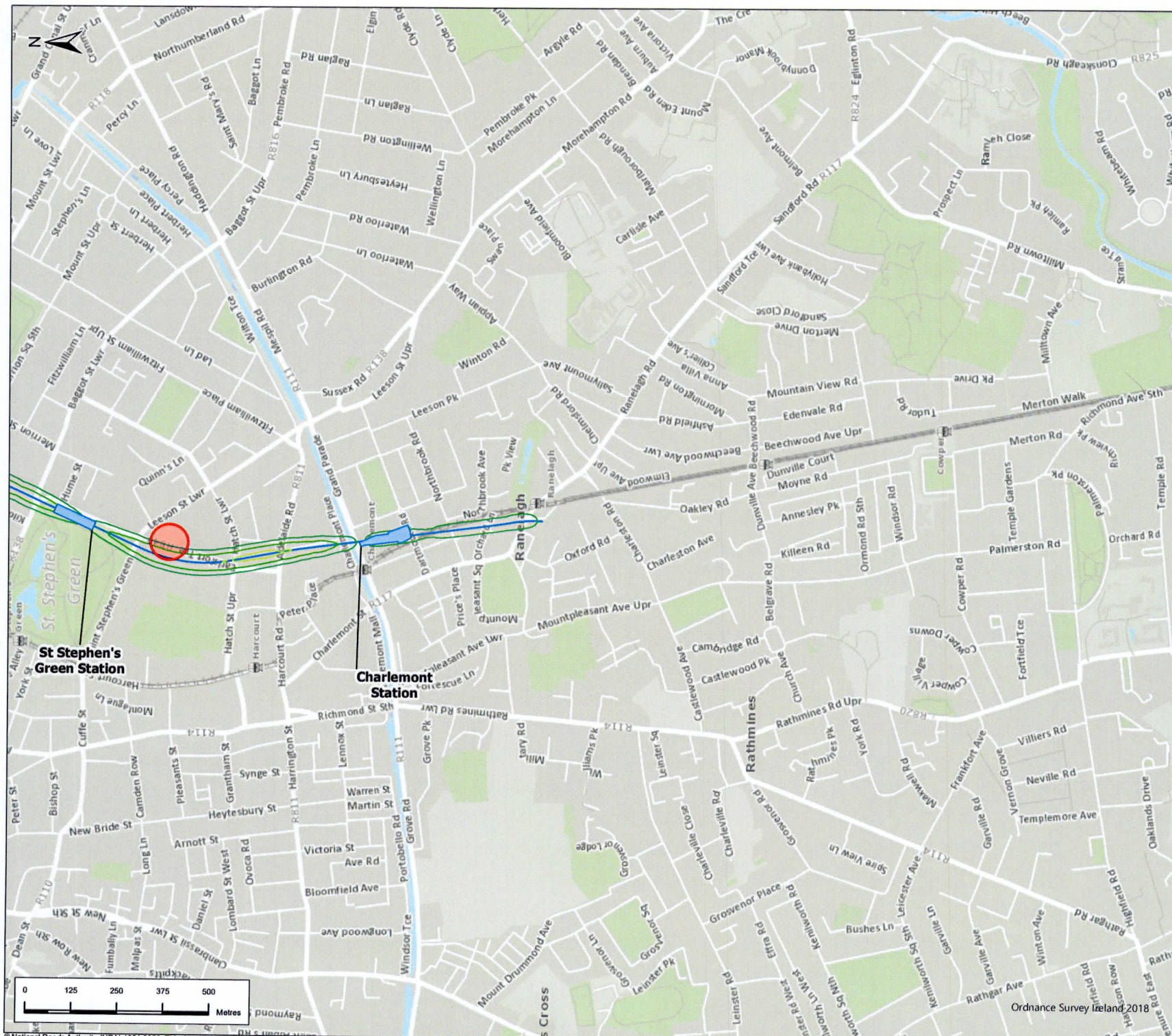
- Cut & Cover
- Incline
- Retained Cut
- Surface
- Tunnel
- Viaduct
- Station Locations

Groundborne Noise Contours

- 30dB
- 31dB
- 32dB
- 33dB
- 34dB
- 35dB
- 36dB
- 37dB
- 38dB
- 39dB
- 40dB
- 41dB
- 42dB
- 43dB
- 44dB
- 45dB
- 46dB
- 47dB
- 48dB
- 49dB
- 50dB



P02	1/7/22	Final Issue	FND	RH	RH	NC
Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	App'd
JACOBS IDOM						
Client TII Transport Infrastructure Ireland Transport Infrastructure Ireland						
Project METROLINK						
Drawing Title Figure 14.2 Groundborne Noise from Tunnel Boring Machine Sheet 7 of 7						
Drawing Status FINAL						
Scale @ A3		1:10,000		DO NOT SCALE		
Jacobs No.		32108600				
Client No.						
Drawing No.		ML1-JAI-EIA-ROUT_XX-DR-Y-14009				Rev P02
This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.						



Legend

Alignment

— Tunnel

■ Station Locations

Operational Groundborne Noise Contours

— 25dB

— 30dB

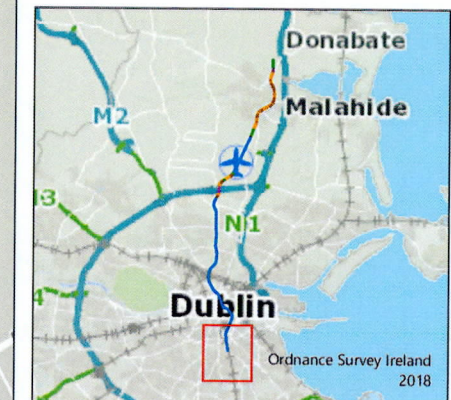
— 35dB

— 40dB

— 45dB

— 50dB

— 55dB



PO2	1/2/22	Final Issue	FND	RH	RH	NC
Rev	Date	Purpose of revision	Drawn	Check'd	Rev'd	App'd

JACOBS
IDOM

Client
TII
Transport Infrastructure Ireland

Project
METROLINK

Drawing Title
Figure 14.6 Groundborne Noise from Operation
Sheet 7 of 7

Drawing Status
FINAL

Scale @ A3
1:10,000
DO NOT SCALE

Jacobs No.
32108000

Client No.
ML1-JAI-EIA-ROUT_XX-DR-Y-14041

Drawing No.
Rev
P02

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.