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Government of Gibraltar
Technical Services Department
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Method Statement

Proposed Demolition of Party Wall at Cruise Liner Terminal

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CONTENTS

	Page
1. Description	
1.1 Purpose	2
1.2 Materials and Equipment	2
1.3 Preliminary Works	3
1.4 Detailed Construction Sequence	
1.4.1 Demolition / Removal of existing party wall	4
2. RESPONSIBILITIES	
2.1 Supervising Chartered Engineer	4
2.2 Supervising Site Engineer	4
2.3 Contract Manager	5
2.4 General Foreman	6
3. HEALTH & SAFETY	6
4. QUALITY ASSURANCE	6
5. REFERENCES	7
6. ATTACHMENTS	7

1. Description

1.1 Purpose

The purpose of this Method Statement is to give general information and procedure about the proposed demolition works as part of the proposed extension to be carried out at the Cruise Liner Terminal.

The document includes the following items of demolition work required:

1. Demolition of existing party wall.

This document to be read in conjunction with demolition drawing 50/347/JP15/D01 attached.

NOTE: DEMOLITION WORKS MAY AFFECT THE STRUCTURAL INTEGRITY OF THE BUILDING. THE CONTRACTOR OR BUILDER MUST REPORT IMMEDIATELY IF, DURING THE DEMOLITION, THE STRUCTURE BEING DEMOLISHED OR OTHER ADJACENT STRUCTURES OR BUILDINGS, SHOW SIGN OF STRUCTURAL DAMAGE OR FAILURE.

DEMOLITION WORKS MUST COMPLY WITH BS6187:2011

1.2 Materials and Equipment

Heras fencing.
Netting & dust screens.
Telescopic crane.
Scissor lifts.
Sherry picker.
Safe working and access platforms.
Steel angle grinders.
Steel cutting burning gear.
Breakers.
Hand held tools
Handling equipment.
Small excavator.
Shovels.
Wheel barrows.
Personal protective equipment.
Safety signs.

1.3 Preliminary Works

- 1.3.1 Establish with building custodian and port authority site vehicular access and egress routes so as not to interfere with cruise liner terminal and port operations and users.
- 1.3.2 Establish and maintain safe access routes and ensure these are free from obstruction and tripping hazards and well lit at all times.
- 1.3.3 Establish safe exclusion zones.
- 1.3.4 Establish pedestrian diversions with appropriate signage.
- 1.3.5 Erect fencing with proper signage.
- 1.3.6 Provide all the required dust suppression systems and dust sheets to prevent the spread of dust.
- 1.3.7 De-energize all existing services and obtain isolation certificates from all relevant utilities.
- 1.3.8 Seek approval from Supervising Chartered Engineer before proceeding.

1.4 Detailed Construction Sequence

1.4.1 Demolition / removal of existing party wall.

- 1.4.1.1 With the use of proper safety working access equipment, scissor lifts and/or cherry pickers remove the wall cladding panels one at a time and lower down to ground and set aside for re-use.
Proceed to remove all cladding panels. See Dwg 50/347/JB15/D01.
- 1.4.1.2 With the appropriate safe working access equipment remove all sheeting rails and set aside for re-use. See Dwg Dwg 50/347/JB15/D01.
- 1.4.1.3 Use appropriate safe working access equipment to cut out using grinders or burning gear restraints to existing steel posts.
Use telescopic crane with slings to hold steel posts (See Dwg Dwg 50/347/JB15/D01) whilst base plate fixings are cut and removed.
- 1.4.1.4 With the use of angle grinder cut of steel fixing to release the steel posts base plates.
- 1.4.1.5 Lower down the steel posts safely with the crane and store in a safe place for re-use.

- 1.4.1.6 Repeat 1.4.1.2 to 1.4.1.5 for the removal of all steel posts.
- 1.4.1.7 Erect safe working platform for the demolition of the existing block wall.
- 1.4.1.8 Use breakers and appropriate tools to demolish the existing block wall progressively from top to bottom.
All wall panels between piers to be demolished simultaneously.
NOTE: Do not remove any one panel at a time.
- 1.4.1.9 Clean and clear area of trip hazards and protect disturbed areas.

2. RESPONSIBILITIES

2.1 Supervising Chartered Engineer.

- 2.1.1 The Supervising Chartered Engineer is responsible to ensure that all the required documentation is in place prior to start of demolition works.
- 2.1.2 The Supervising Chartered Engineer must advise when further documentation is required and ensure that this is produced and approved.
NOTE: Demolition works to commence only when Supervising Chartered Engineer is satisfied with the documentation, proposed systems and methods of demolition and all documentation approved and a Demolition Permit issued by Building Control.

2.2 Supervising Site Engineer.

- 2.2.1 The Supervising Site Engineer is to ensure that all safe systems are in place, all demolition work is carried out as detailed above.
- 2.2.2 To advise the contractor on proposed demolition systems and methods.
- 2.2.3 To inspect and approve temporary support and safe systems prior to start of each demolition activity.
- 2.2.4 To inform the Supervising Chartered Engineer and Building Control Department of any proposed changes or variations in demolition systems or methods and ensure that these are supported by the required documentation approved by the Supervising Chartered Engineer and Building Control Department.

- 2.2.5 To supervise all demolition work and ensure this follows the correct methods and sequence as described above or approved.
- 2.2.6 To ensure that all operations are carried out in a safe manner and using the correct tools, equipment and personal safety equipment.
- 2.2.7 To inform the Supervising Chartered Engineer of progress.
- 2.2.8 To inform the Supervising Chartered Engineer of any structural damage or failure.
- 2.2.9 The Supervising Site Engineer to confirm completion of each demolition activity.

2.3 Contract Manager.

- 2.3.1 To ensure that all safe systems are in place, all demolition work is carried out as detailed above.
- 2.3.2 To notify the Supervising Site Engineer when all safe and temporary work are in place and ready for start of each demolition activity.
- 2.3.3 To ensure each demolition activity is not started until safe and temporary support systems have been inspected and approved by Supervising Site Engineer.
- 2.3.4 To inform the Supervising Site Engineer on any changes to the proposed demolition system as described above.
- 2.3.5 Only to allow demolition systems and methods approved and authorized by Supervising Chartered Engineer, Supervising Site Engineer and Building Control Department.
- 2.3.6 To ensure that the Site Foreman and other involved in the operation are qualified, experienced and competent.
- 2.3.7 To ensure that all operatives involved are instructed and clear of the work to be carried out, their responsibilities and emergency procedures.
- 2.3.8 To supervise all demolition work and ensure this follows the correct methods and sequence as described above or approved.
- 2.3.9 To ensure that all operations are carried out in a safe manner and using the correct tools, equipment and personal safety equipment.

2.4 General Foreman.

- 2.4.1 To ensure that all safe systems are in place, all demolition work is carried out as detailed above.
- 2.4.2 To notify the Supervising Site Engineer when all safe and temporary work are in place and ready for start of each demolition activity.
- 2.4.3 To ensure each demolition activity is not started until safe and temporary support systems have been inspected and approved by Supervising Site Engineer.
- 2.4.4 To inform the Supervising Site Engineer on any changes to the proposed demolition system as described above.
Only to allow demolition systems and methods approved and authorized by Supervising Chartered Engineer, Supervising Site Engineer and Building Control Department.
- 2.4.5 To ensure that all operatives involved in the operation are qualified, experienced and competent.
- 2.4.6 To ensure that all operatives involved are instructed and clear of the work to be carried out, their responsibilities and emergency procedures.
- 2.4.7 To supervise all demolition work and ensure this follows the correct methods and sequence as described above or approved.
- 2.4.8 To ensure that all operations are carried out in a safe manner and using the correct tools, equipment and personal safety equipment.

3. HEALTH & SAFETY

See attached H & S Method Statement, Risk Assessment and Risk Assessment Summary Sheet.

4. QUALITY ASSURANCE

See attached Inspection Programme.

5. REFERENCES

Demolition Drawings 50/347/JB15/D01

6. ATTACHMENTS

- 6.1 Appendix A – Demolition Drawings**
- 6.2 Appendix B – Health & Safety Method Statement
Risk Assessment**
- 6.3 Appendix C – Inspection Programme**

APPENDIX A

Demolition Drawings