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**0124 SELECTIONS**

**0211 DEMOLITION**

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DEMOLITION ITEMS FOR REUSE

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DEMOLITION ITEMS FOR RETURN TO THE OWNER

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**0221 PREPARATION AND GROUND WORK**

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FILL

Type: ~

BACKFILL TO RETAINING WALLS

Type: ~

**0231 FOUNDATIONS**

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PILES

Type/size: ~

0311 CONCRETE

DAMP PROOF MEMBRANE

Type/thickness: ~

INSULATION - UNDERSLAB

Type/thickness: ~ mm

REINFORCEMENT

Type: ~

CONCRETE

Location: ~

Strength: ~ MPa

Surface finish: ~

**0331 CONCRETE MASONRY**

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CONCRETE MASONRY

Type: ~

Bond: ~

Pointing: ~

**0341 STRUCTURAL STEELWORK**

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There is no work section specification relating to the following selections

STEELWORK

Item: ~

Finish: ~

**0126 GENERAL REQUIREMENTS**

- 1.1 THE WORKS  
The works are as described in this specification and shown on the drawings.
- 1.2 PERSONNEL  
Owner: The person defined as "owner" in the New Zealand Building Code.  
Contractor: The person contracted by the owner to carry out the contract.
- 1.3 THE SITE  
The site of the works, the site address and the legal description are listed under PROJECT INFORMATION. Confine access and work to the area of site indicated on the drawings.
- 1.4 SPECIFICATION SECTIONS  
Sections are for reference and convenience only and do not constitute individual trade sections or work elements. Read all sections together and read GENERAL REQUIREMENTS with all other sections.
- 1.5 INTERPRETATIONS  
Required: Required by the documents, or by a statutory authority.  
Proprietary: Identifiable by naming the manufacturer, supplier, installer, trade name, brand name, catalogue or reference number.  
Approval: Approval in writing.  
Direction: Direction in writing.  
Notified: Notified in writing.
- 1.6 INCONSISTENCIES  
If there are any inconsistencies, errors or omissions in or between documents, the contractor must seek direction in resolving it. Figured dimensions take precedence over scaled dimensions; drawings to a larger scale take precedence over drawings to a smaller scale and drawings take precedence over specification.
- 1.7 SUBSTITUTIONS  
A substitution may be proposed where specified products are not available, or if substitute products are brought to the attention of and are considered by the owner as equivalent or superior to those specified. Except where a specified product is not available, the owner is not bound to accept any substitutions.  
Notify proposed substitution of specified products. Include sufficient information to allow the owner to confirm that the substitution is equivalent or superior to that specified. Advise the owner whether an amendment will or may be required to the Building Consent and the expected costs of such amendment.
- 1.8 THE WORDS "PROVIDE" OR "FIX"  
The words "provide" (or "supply") or "fix" if used separately mean "provide and fix" unless explicitly stated otherwise.
- 1.9 MANUFACTURERS AND SUPPLIERS  
Manufacturers and suppliers requirements, instructions, specifications or details are those issued by them for their particular material, product or component and are the latest edition.

**0331 CONCRETE MASONRY**

Refer to SELECTIONS/drawings for specific product, material, accessories and finish selections.

**1.1 QUALIFICATIONS**

Carry out masonry work with people competent and experienced, under the supervision of a registered mason.

**1.2 INSPECTION**

Call for inspection of the work at critical stages including set out, reinforcing, and the time prior to and during grouting. All as set out in NZS 4210, section 3.3.2.

**1.3 TESTS AND RECORDS**

Carry out required tests in accordance with NZS 4210, appendix 2A. Keep accurate records relating to strength and quality of materials used in the construction, and make the information available to the Building Consent Authority inspector on request.

**1.4 ACCESSORIES**

Reinforcement: To AS/NZS 4671.  
Mortar: Sand to NZS 3103. Chloride levels not exceeding 0.04% by dry weight of sand. Mortar to NZS 4210, section 2.2. Compressive strength of not less than 12.5 MPa.  
Grout: To NZS 4210, section 2.3. Spread value 450 - 530 mm.  
Water: From local authority supply.

**1.5 STORAGE**

Store masonry clear of the ground, under cover and well ventilated until placed in the work. Ensure masonry units are air dry prior to laying.

**1.6 CHECK BASE CONCRETE**

Ensure the base concrete is true to line and level, requiring a base mortar bed of 10 mm (minimum) to 20 mm (maximum).

**1.7 STARTER POSITIONS**

Before commencing masonry laying check the location of starter reinforcement by measure or by a dry trial lay up of the first course. Do not correct misplacement by cranking bars; obtain direction.

**1.8 INSTALL REINFORCEMENT**

Detailed, bent and placed in accordance with NZS 4210. Refer to drawings for details of reinforcement and extent of grout filling. Minimum cover as required for reinforced concrete, with grout and masonry work treated as a homogeneous material. Maintain reinforcing bars for retaining walls a minimum of 15 mm and for other blockwork a minimum of 6 mm, from the blockwork face, with the space filled with grout.

**1.9 TOLERANCES**

Construct within the tolerances set out in NZS 4210, clauses 2.6.5 and 2.7.1. Lay masonry units with bedding of consistent thickness throughout.

**1.10 LAY MASONRY UNITS**

Execution generally to NZS 4210 and NZS 4229. Ensure consistent, fully filled and tooled joints. Where walls are reinforced, prevent mortar droppings from entering the cells being grouted. Provide clean out holes at base of wall, unless "low lift" (NZS 4210) grouting is used. Ensure reinforcement is accurately placed and tied. Lay in regular running bond with all necessary special units and sill units. Cut masonry, if necessary, true and square without chipping.