



FRONT ELEVATION



SIDE ELEVATION

Specification:

External re-plastering

At areas of elevations outlined in red dashed line, existing sand and cement is to be removed. Air powered kango hammers must not be used as excessive vibration could cause damage to the existing structure. The use of hand tools is preferable however, low vibration 110 volt electric power tools or low vibration battery powered tools may be permitted at the structural engineers discretion.

Repairs and re-plastering to be carried out in the following stages:

Crack and Head repairs

Stitch unstable cracks and areas that need reinforcing with 'Helix' crutch stitching system. The crack/repair itself should be pointed with a 1:1 mortar, 1 part NHL 3.5 to 2 parts washed sharp sand. The sand size should facilitate the placing of mortar into the crack (eg. 1mm sand for 2mm wide crack). If the crack is through the wall and only the face of the crack has been filled with mortar then it would be beneficial to back fill with a liquid Lime Grout 'Seal Grout' from Stoneware Studios or similar and approved, which will flow deep into the wall and fill the narrow space. Window and Door Heads to be replaced or repaired as per the Structural Engineers guidelines.

Dubbing out, pointing and Brick repairs

Brick and brick slips can be used to rebuild deeply recessed hollows. Very deep hollows should be plastered in two, or even three, separate applications to allow for the managed curing of the mortar. Use NHL 3.5 lime plaster with 5mm down washed sharp sand or Secl RB premixed lime render and machine apply. Sand:Lime Ratio of 2.5:1. Fibreglass mesh to be added to the dubbing out mortar in the quantity of c. 200g per 25kg bag of lime. Fibreglass mesh can also be used to reinforce the plaster, and where the brick is particularly unstable, a combination of lime plaster with fibres, fibreglass mesh and some mechanical fixings should be used to lock the plaster into place.

Scud Coat

Use NHL 3.5 or Secl CS pre-mixed lime scud with gritty sand and fibres added. A small amount of pebble can be added to improve key for next coat. Sand:Lime Ratio of 1.5:1.

Scratch Coats

Use NHL 3.5 or Secl CS pre-mixed lime scud with washed sharp sand and fibres added. Man made fibres or animal hair to be added for extra tensile strength and reduced shrinkage. One or more scratch coats may be required to prepare the wall for the finish coat. Coats to be 10 to 12mm thick. Sand:Lime Ratio of 2.5:1.

Finish Coat

Use NHL 3.5 or Secl CS pre-mixed lime scud with washed sharp sand, no fibres to be added. Choose a 3mm down washed sharp sand and coat thickness of 7-8mm. Sand:Lime Ratio of 3:1. Coursing lines to be replicated in finish coat to match existing plaster finish and quoins, with exception panels at the side elevation which do not require lining.

All plastering work to be carried out by plastering contractor with adequate experience with lime plastering and conservation work. Evidence of experience will be required by architect (min 3 projects).

Removal of existing sand and cement plaster to be carried out in stages so that the stone work beneath is not left exposed to the weather unnecessarily. Re-plastering to be carried out in complete panels or panels to be feathered together so that stop lines are not evident on completion. Scaffolding to be provided at all areas to be re-plastered. All new lime plaster to be protected between coats with adequate heshing or coats to be wetted down as required, depending on weather conditions.

Existing pipework

Provide new cast aluminium down pipes to match existing in place of all existing down pipes. Provide new cast aluminium 100mm diameter waste pipes in place of existing.

Window Heads / Lintols

At areas to be re-plastered, all existing lintols to be exposed and lintols to be removed and replaced with pre-cast concrete lintols.

School to remain operational during renovation works - adequate site fencing to be provided around contractors work area - see also Preliminary Health and Safety Plan.

Ventilation

New 100mm diameter sleeved room vents shall be provided at external walls as shown on plan and elevation. Room vents shall be passive humidity sensing vents '99Hub Humidity Vents' by Icon Building Products or similar and approved. Externally, provide galvanneal insulated vents and paint in lime wash to match new plaster finish.

- indicates new room vent on elevation
- ==== indicates new room vent on plan

VOLUME 'A' WORKS REQUIREMENT

Revisions:	
A.	
B.	
C.	
D.	
E.	



Project: RE-PLASTERING WORKS AT ST. JOSEPH'S BUILDING, ST. ANGELA'S SECONDARY SCHOOL, BALLYTRUCKLE, WATERFORD.

Title: TENDER DRAWING - ELEVATIONS

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Scale: 1:100 @ A1

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