

ANNEX 1
BILL OF QUANTITIES
CONSTRUCTION OF LAUNDRY TOILET IN AEH
S. HITHADHOO

Item	Description	Unit	Quantity	Rate/ Unit		Total Unit Rate	Amount
				Material	Labour	Rates per Units	
<u>MASONRY AND PLASTERING</u>							
2.0	<u>General</u> Rates shall include for: cleaning out cavities, forming rebated reveals and pointing and cleaning down to reveals where necessary; fractional size blocks, all necessary machine cutting, cutting or forming chases or edges of floor slabs, cutting or leaving holes and openings as recesses for and building in pipes, conduits, sleeves and similar as required for all trades; leaving surfaces rough or raking out joints for plastering and flashings, bedding frames or plates, building in joists, bearers or similar, temporary supports to openings, templates, reinforcement in walls and for all necessary making good. Bedding mortar (mixing ratio 1:4 i.e. cement: local sand)) shall be of Ordinary Portland Cement & fine aggregate shall be imported river sand shall be approved in grading & clean from any harmful substance. Masonry work shall be done with approved cement blocks (300X150X150) with no defects. Lay in line and length as per approved working drawing floor slabs, cutting or leaving holes and openings as recesses for and building in pipes, conduits, sleeves and similar as required for all trades; leaving surfaces rough or raking out joints for plastering and flashings, bedding Rates shall include for: 25mm groove lines on external surfaces as shown on the drawing.						
2.1	<u>Cement block work</u>						
(1)	150mm Thick Hollow block Masonry wall	ft ²	428.00				
2.2	<u>Plastering</u>						
GENERAL: Interior : Plaster All masonry wall have smooth finishing of 20 mm thick cement plastering with mix ratio 1:4 (i.e. cement: River Sand), plastering material shall be of Ordinary Portland Cement & fine aggregate shall be imported river sand shall be approved in grading & clean from any harmful substance. Plastic net should be provided wherever concrete surface and masonry meets, and cracks are unacceptable. Regular curing up to 7 days must be done							
(1)	Interior and Exterior plaster 18mm thick	ft ²	623.00				

<u>DOOR</u>							
4.0	<u>General</u> Aluminum Door, Fabricate and fix in position the aluminum doors and frame - aluminum door (white powder coated, 60-80 micron, 1.5mm profile thickness) using recommended material with specified fixtures as shown in approved working drawings and installation should be as per technical specifications. Rates shall include for locks, latches, closures, pull handles, bolts, hinges, screws, washer and all door and window hardware and these materials should be of ss steel according to drawing and of superior quality. (a) All door and window frames and panels shall be as specified in the drawing						
4.1	<u>Door</u>						
(1)	D1, Aluminum 60-80 Micron, white powder coated door 2200 x 1500 mm with panels as per drawings	no	1.00				
(2)	Aluminum 60-80 Micron, white powder coated door 2100 x 800 mm with panels as per drawings	no	2.00				
<u>TILING</u>							
5.0	<u>General</u> Prepare surface for approved bedding tiles with reach bedding materials as per the technical specifications & approved working drawings, fix tiles with ct grout in a precise manner to maintain correct alignment, applying tile grout and wiping any excess grout to ensure the required standards of finished works. Rates shall include for: fixing, bedding, grouting, and pointing materials; making good around pipes, sanitary fixtures, and similar; cleaning down and polishing any other similar works to ensure the required finish. All tiles shall be homogeneous or equivalent.						
5.1	<u>Floor finish</u>						
(1)	300x300 skid resistant homogeneous floor tiles, Toilet area.						
(2)	Ground Floor, Toilet	m ²	4.71				
5.2	<u>Wall finish</u>						
(1)	300x300 mm glazed white ceramic wall tiles,						
(2)	Toilet, 2.8Meter height.	m ²	21.07				
<u>PAINTING</u>							
7.0	<u>General</u>						

	<p>Interior wall shall be of 2 coats of SIGMA PAINT- SIMACRYL FLATCODE-S0505-Y10R over 1 coat of water based sealer (Vinilex 5101 white) or equivalent. Erection of scaffolding, preparing working platforms, applying sealer and two coats of paint as specified in the working drawings. Removal of scaffolding if any after completion of work. Rates shall include for: the provision, erection and removal of scaffolding, preparation, rubbing down between coats and similar work, the protection and/or masking floors, fittings and similar work,</p> <p>All painting work shall be carried in accordance with the Specifications</p> <p>7.1 Wall painting</p> <p>(1) Internal Plaster surface of walls</p>	ft ²	623.60				
	<p style="text-align: center;">HYDRAULICS & DRAINAGE</p> <p>8.0 Hydraulics</p> <p>8.1 General</p> <p>(a) Rates shall include for excavation, laying pipes and backfilling trenches, maintaining faces of drainpipe trenches and pits, backfilling, disposal of surplus soil, bends, junctions, reducers, expansion joints brackets, joints, straps, hangers, screws, nails and fixing complete, and all joints and other incidental material, All Pipes and fittings area high pressure uPVC pipes</p> <p>fixing complete, including cutting and forming holes; excavating, laying pipes and backfilling trenches.</p> <p>(b) All pipe work shall be PPR</p> <p>8.2 Cold water supply pipe work</p> <p>(1) Completion of pipe works to Toilet Connect cold water supply pipe work to existing system.</p> <p>8.3 Sanitary fixtures & accessories</p> <p>Sanitary fixtures & Accessories: Sanitary fixtures complete including brackets, flush pipes, valves, overflows, plugs and washers, as specified.</p> <p>(1) WC with Flush tank (Cotto), height is 395mm</p> <p>(2) Wash basin with pedestal, (Cotto), height is 780mm</p> <p>(3) Taps for wash basins (Cotto), for toilet</p> <p>(4) Towel bar</p> <p>(5) Mirror set</p> <p>(6) Floor drain with gully & water trap.</p> <p>(7) Bidet Shower with angle valve (cotto)</p> <p>(8) Hand shower (cotto)</p> <p>8.4 Drainage</p> <p>8.5 General</p>	no	1.00				

(a) Rates shall include for: excavation, maintaining faces of drain pipe trenches and pits, backfilling, disposal of surplus spoil; bends, junctions, reducers, expansion joints and all joints and other incidental materials.
 (b) All pipe work shall be UPVC

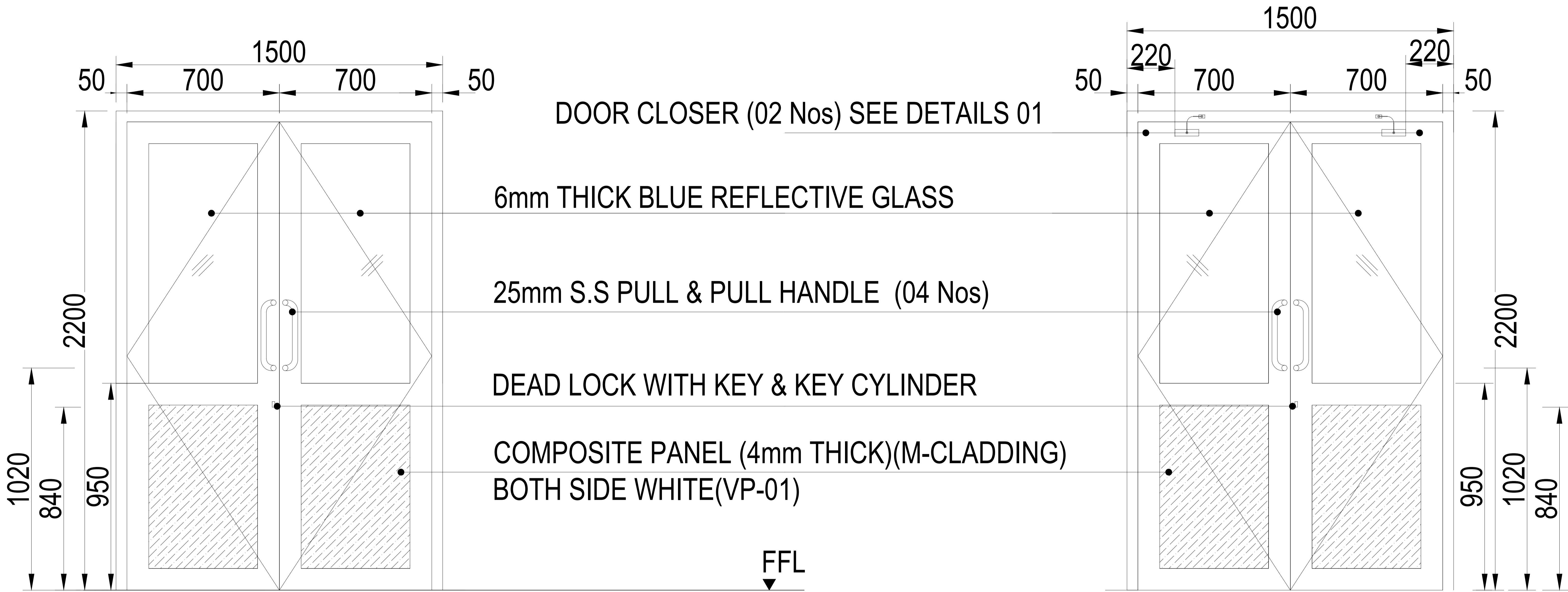
8.6 Pipe work

- (1) Completion of pipe works and Connect Sewer pipe to existing system 100mm dia UPVC to existing system.
- (2) Completion of pipe works and Connect Waste disposal pipe 75mm dia UPVC to existing system. (toilet)

8.7 Inspection Chambers

- (1) Inspection chambers in reinforced concrete complete including all pipe connections and similar from building and to septic tanks

Item	1.00				
Item	1.00				
no	2.00				



ELEVATION-BUIDING OUT SIDE

ELEVATION-BUIDING IN SIDE

PLAN

