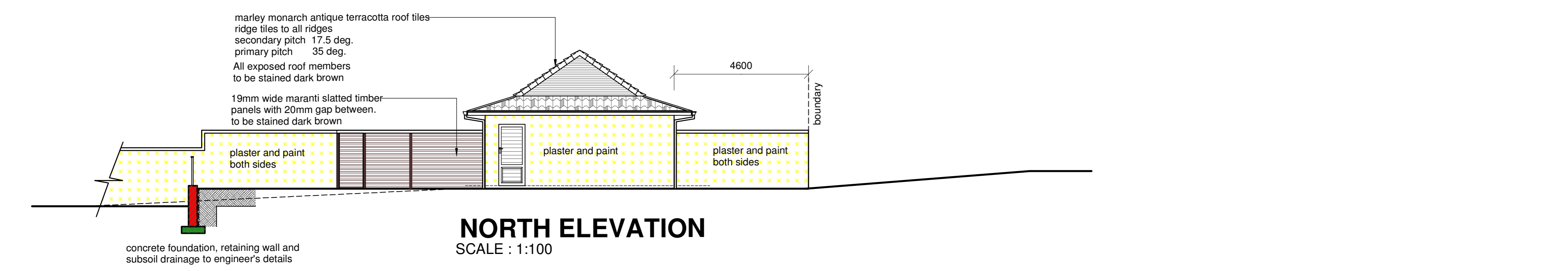
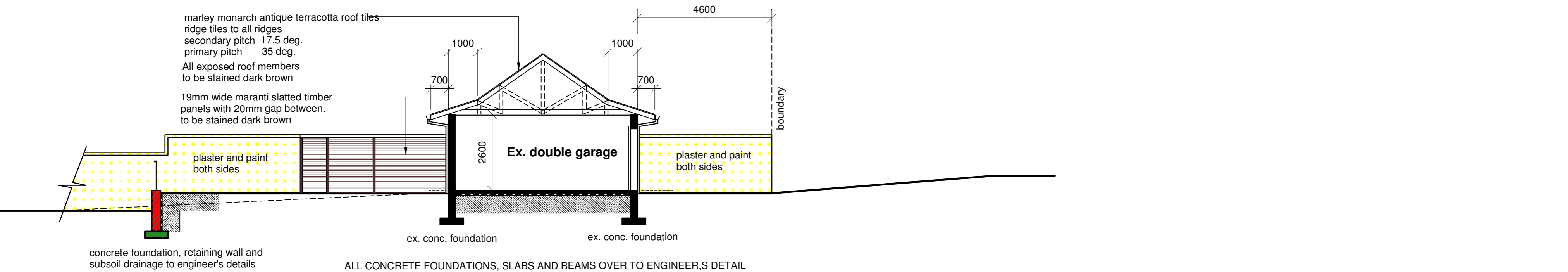


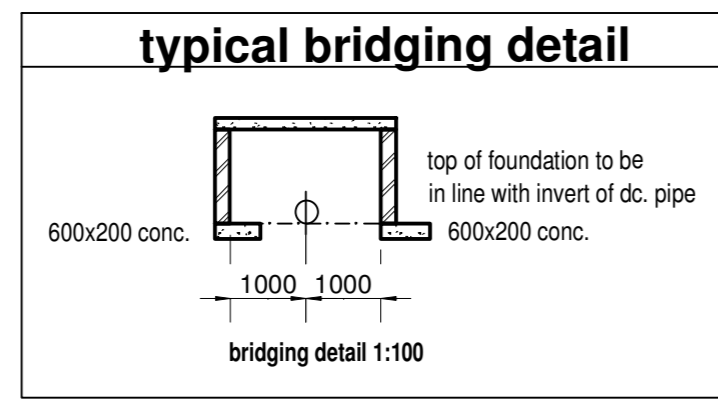
**SOUTH ELEVATION**  
SCALE : 1:100



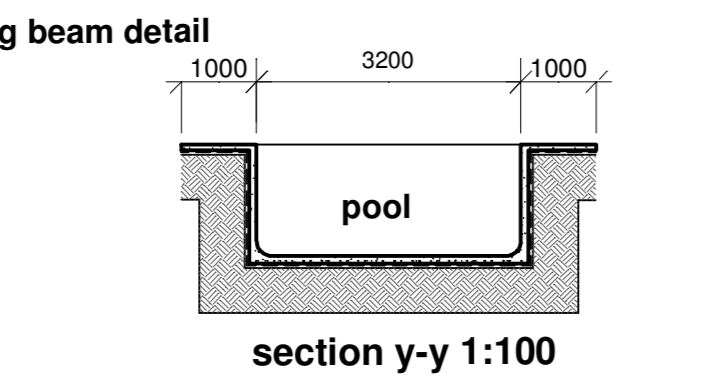
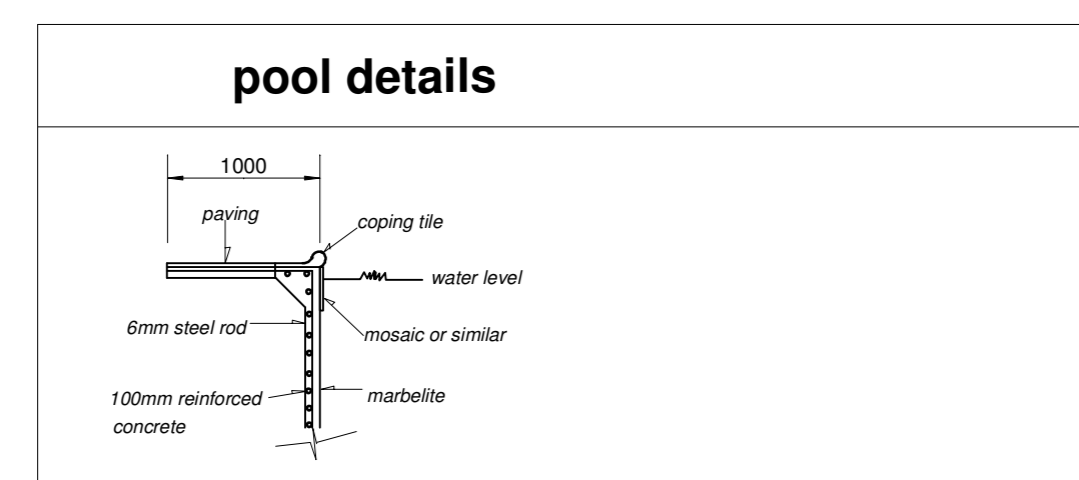
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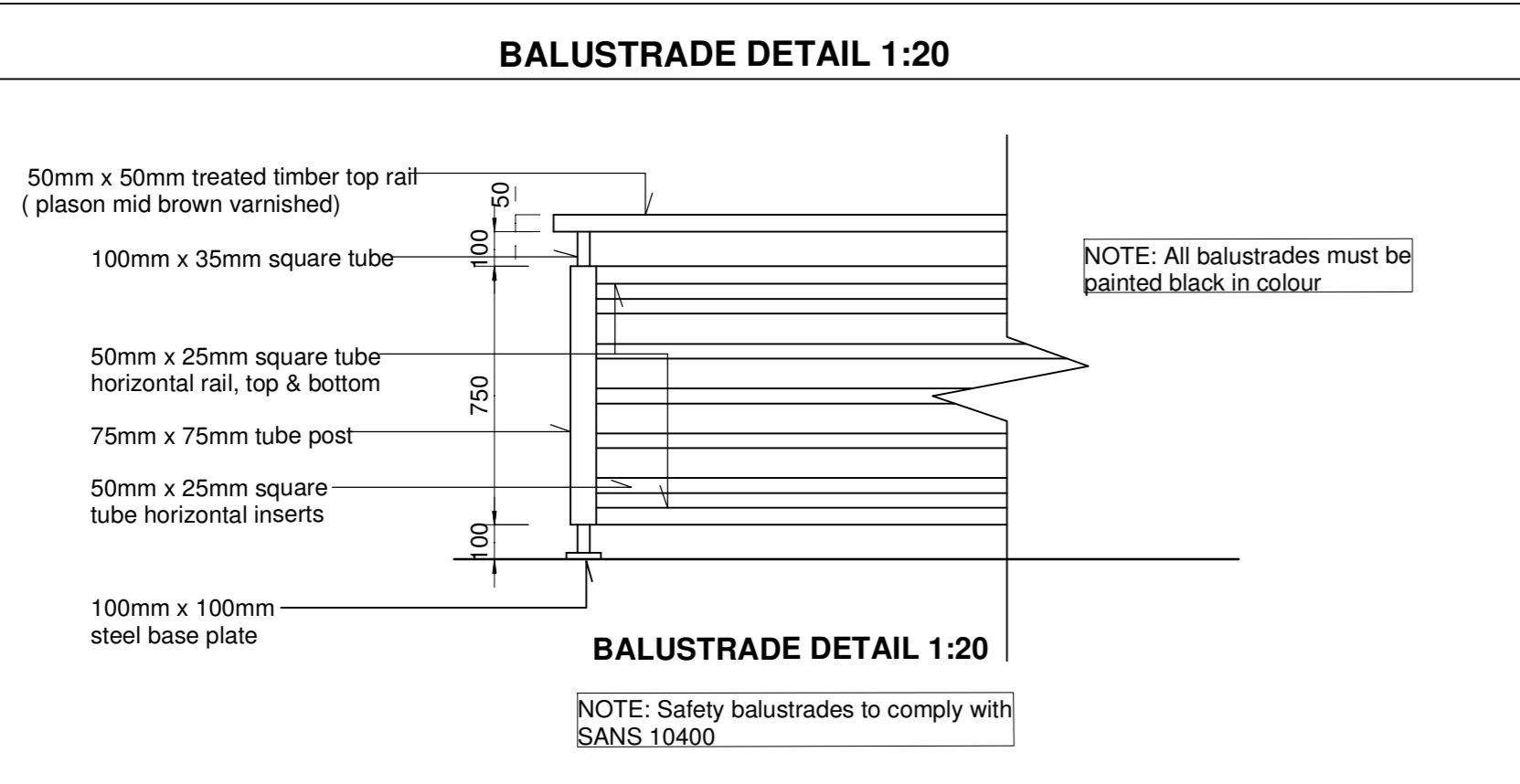
**SECTION C-C**  
SCALE : 1:100



typical bridging detail



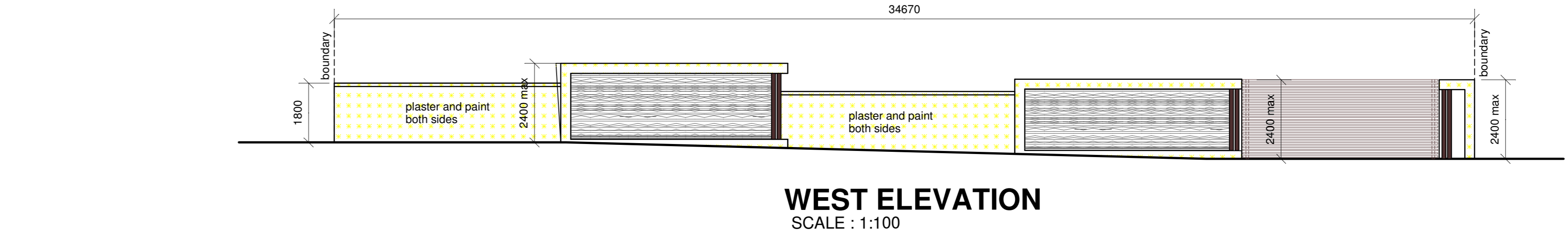
**POOL NOTES**  
Pool to be to engineers detail  
-all electrical goods under ground to be fitted with earth leakage protection  
-self closing / self latching gates at all access points to pool  
-waste water to drain via break pressure tank  
pool to be constructed by specialist  
-min 1.200 m pool fence enclosing pool area  
**NOTE: rim flow to be of black mosaic only no blue to be used**



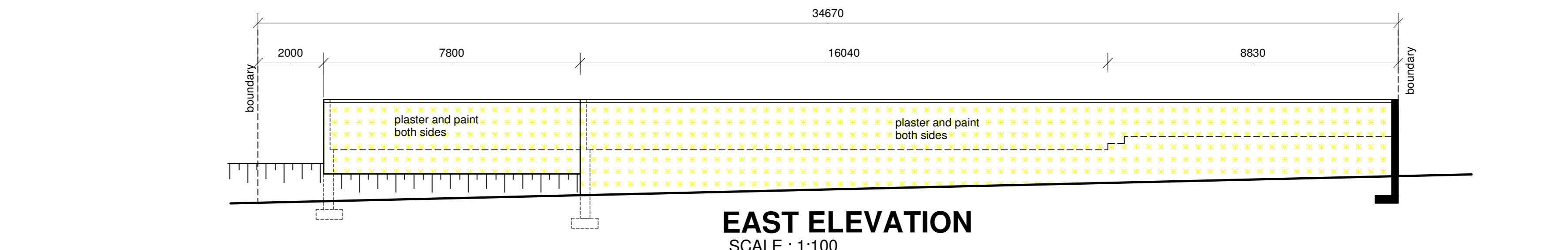
**BALUSTRADE DETAIL 1:20**

ALUMINIUM DOOR SCHEDULE		
40mm HARDWOOD FIRE DOOR	D 1	
HORIZONTAL SLATTED HARDWOOD TIMBER DOOR	QTY 1	TIMBER Hardwood timber (treated) standard sizes as supplied by nulu door timber detail as per manufacturers spec & to be compliant with part n of sans 10400 to be treated with plascon colour varnish ( colour : dark brown )
EXTERNAL DOOR	D 2	
HORIZONTAL SLATTED HARDWOOD TIMBER DOOR	QTY 1	TIMBER Hardwood timber (treated) standard sizes as supplied by nulu door timber detail as per manufacturers spec & to be compliant with part n of sans 10400 to be treated with plascon colour varnish ( colour : dark brown )
INTERNAL DOOR	D 3	
HORIZONTAL SLATTED	QTY 6	TIMBER Internal doors to be flush panel semi solid faced in as supplied by nulu door timber detail as per manufacturers spec & to be compliant with part n of sans 10400 to be treated with plascon colour varnish ( colour : dark brown )
BATHROOM SLIDING DOOR	D 4	
HORIZONTAL SLATTED	QTY 3	TIMBER Internal doors to be flush panel semi solid faced in as supplied by nulu door timber detail as per manufacturers spec & to be compliant with part n of sans 10400 to be treated with plascon colour varnish ( colour : dark brown )
ENTRANCE DOOR ( PIVOT DOOR )	P/D 5	
HORIZONTAL SLATTED	QTY 1	TIMBER Hardwood timber (treated) standard sizes as supplied by nulu door timber detail as per manufacturers spec & to be compliant with part n of sans 10400 to be treated with plascon colour varnish ( colour : dark brown )
STACK AWAY DOOR	SA/D1	
FRAMING: ALUMINIUM (UMBER GREY)	QTY 2	GLAZING: SINGLE LOW E GLAZING all glazing to comply with part N of SANS 10400 4mm glass (less than 1.5 sqm) monolithic annealed glass 5mm glass (between 1.5-2.9sqm) monolithic annealed glass SAFETY GLASS: WINDOWS all glazing between 0.500m of the floor level to be 6.38mm safety glass, Laminate glass

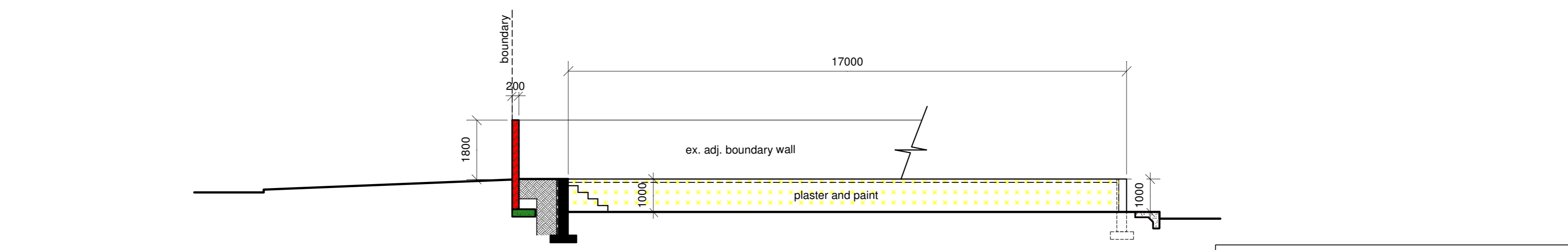
NOTE: all windows and doors to be fitted with doors/draft protection in accordance with SANS 204(4.43)



**WEST ELEVATION**  
SCALE : 1:100



**EAST ELEVATION**  
SCALE : 1:100



**SOUTH ELEVATION**

**COMPLIANCE**  
COMPLIANCE : PART K  
NOTE: WALLS AND LINTELS, SUPPORTS BEAMS TO ENGINEER'S DETAILS  
COMPLIANCE : PART L  
ALL ROOF STRUCTURES, FIXING, SUPPORTS, LOADING AND INSULATION TO ENGINEER'S DETAIL (RATIONAL ASSESSMENT)

WINDOW SCHEDULE		
BATHROOM WINDOW	W 1	
to be frosted glass	QTY 4	FRAMING : ALUMINIUM ( ANODIZED BROWN ) GLAZING: SINGLE LOW E GLAZING all glazing to comply with part N of SANS 10400 4mm glass (less than 1.5 sqm) monolithic annealed glass 5mm glass (between 1.5-2.9sqm) monolithic annealed glass
BATHROOM WINDOW	W 2	
to be frosted glass	QTY 1	SAFETY GLASS- WINDOWS all glazing between 0.500m of the floor level to be 6.38mm safety glass, Laminate glass
BATHROOM WINDOW	W 3	
to be frosted glass	QTY 1	
LOW LEVEL SCULLERY WINDOW	W 4	
4mm glazing 0.54 sqm	QTY 1	
INTERNAL WINDOW	W 5	
6.38mm safety glass, Laminate glass	QTY 4	
INTERNAL WINDOW	W 6	
5mm glazing 1.35 sqm	QTY 3	
INTERNAL WINDOW	W 7	
5mm glazing 1.80 sqm	QTY 1	
CORNER WINDOW	C/W 9	
6.38mm safety glass, Laminate glass	QTY 1	

**General Construction Notes:**  
**RAIN WATER GOODS:**  
-Brown powder coated seamless aluminum Moulded OGEE profile gutters 80x80mm x 0.6mm.  
-Gutters to be fixed to fascias as per manufacturers specifications. Gutters to be laid to min 1:60 falls to rwp's. Gutters to be installed with angles and stop ends.  
-Matching aluminum fascias to be fixed to rafters.  
-100 dia. matching brown powder coated aluminum rwp's connected to gutters & fixed to walls with matching brackets. RWDPs to be connected into PVC pipes in ducts that must be fully waterproofed.  
-RWDPs to be connected into the sw line as per the engineers specifications.  
**STAIRCASES:**  
-Staircases to comply with SANS 10400:2011 Part M.  
-Tie treads to comply with SANS 10400:2011 Part M.5.  
-Balustrades to be provided at 1m high and as per the eng's details and is to comply with SANS 10400:2011 Part M.4.3.  
-Handrails along the walls to be 850mm, to comply with SANS 10400:2011 Part M.4.3.  
**GLAZING:**  
-Glazing to comply with SANS 10400:2012 Part N.  
-Refer to window schedules for specifications.  
**LIGHTING & VENTILATION:**  
-Lighting & ventilation to comply with SANS 10400:2010 Part O.  
-Natural ventilation to be provided to rooms through operable windows or doors at 5% of the floor area.  
-Artificial lighting to be provided at 10% of the floor area.  
-Where rooms are not ventilated directly to open air, they are to be mechanically ventilated with fresh air at a minimum rate of 25 l/s per person, with a velocity not exceeding 0.5 m/s or less than 0.2 m/s.  
-Ventilators WC to be mechanically ventilated as per note above.  
**DRAINAGE NOTES**  
-The new drainage installation to comply with SANS 10400:2010 Part P.  
-All plumbing and drainage work and installation of sanitary fittings to comply with the relevant Local Authority by law, regulations and requirements.  
-Provide access panels to all concealed plumbing ducts to access the sewer pipes.  
-Provide I.E. 3 to all bends and junctions with suitable markers at ground level and to be fully accessible at all times.  
-Minimum 1.80 fall to all drain pipes.  
-Provide approved reset traps to all waste fittings.  
-All soil pipes passing under buildings or footings to be protected against loads and is to be encased in concrete. All under ground pipes to be HDPE.  
-The sinks, urinals & showers to be provided with hot water from a geysers as per the Mechanical engineers specifications.  
-The geysers to be covered with a geysers blanket. The heat pump to be installed on the rc slab and connected to the geysers.  
-The geysers, heat pump, pipes & insulation must comply with SANS204: Part 4.5.2. 50% hot water heating to be as per Mechanical engineers specifications.  
-All new hot water pipes to be insulated with a minimum R-value of 1, as per Mechanical engineers specifications.  
**STORMWATER:**  
-Stormwater disposal to be as per the engineers details.  
**TIMBER DECK:**  
-Timber deck to be installed as per the manufacturers specifications.  
-All timber supports, beams, cross bracing and slats to be Balau.  
-150x22mm Balau slats to be stained limba.  
**SEWERAGE:**  
-The electricity supply cable and water supply pipe is to be in buried pvc sleeves installed within the property.  
-Telephone wires to be in a 20mm buried conduit installed within the property to the nearest distribution point in the verge.  
**GENERAL:**  
-Any changes will require Architect's authorization  
-Compliance with Part XA SANS 10400:2011 XA and SANS 204.  
-Read in conjunction with the energy efficiency document that is attached.  
-The owner and the contractor to comply with the site operations requirements in terms of SANS 10400:2010 Part F.  
-No dimensions to be scaled or scanned from drawings.  
-Figured dimensions are to be used at all times.  
-All dimensions to be checked on site  
-Contractor is responsible for correct setting out of the buildings, all internal and external walls with particular reference to boundaries, building lines etc.  
-Contractor to verify all levels, heights and dimensions on site and to check the same against the drawings before putting any work in hand.  
-Contractor is to locate and identify existing services on the site and to protect these from damage throughout the duration of the works.  
-Any errors, discrepancies or omissions to be reported immediately.  
-Contractor is to build in approved 4 ply P.C. whether or not these are shown on drawings, to all windows, doors, grilles or other openings in external walls.  
-Any queries arising from all the above must be reported and clarified before any work is put in hand.  
-Structural work to professional engineers details.  
-Owner to point out the boundary pegs to the contractor prior to any construction works commencing on site. If boundary pegs cannot be located, a land surveyor is to be appointed to locate the boundary pegs.  
-It is the owners & contractors responsibility to contact the author of the plans to obtain clarity on any information reflected on these drawings or if additional information is required.

**General Construction Notes:**  
-All works to be carried out in accordance with the relevant parts of SANS10400: regulations  
**EXCAVATIONS:**  
-All excavations deeper than 3.0m to be as per the eng's details.  
-Excavations to comply with SANS 10400:2010 Part G. Excavations to be maintained in a safe condition at all times.  
-All boundary balconies are to be flagged by a registered land surveyor and the contractor is to obtain a certificate stating that the work has been correctly set out before proceeding with excavations.  
-Boundary beams to be exposed and checked, prior to the commencement of work.  
**FOUNDATIONS:**  
-The foundation design to comply with SANS10400:2010 Part H, and as per the eng's specifications and details.  
-All retaining wall foundations to engineers details. All foundations to be taken down to virgin soil.  
-For 230mm non-retaining walls, foundations to be 700x230mm or as per the engineers details.  
**FLOOR SLABS:**  
-Suspended floor slabs, to be as per eng's details.  
-Concrete surface beds to comply with SANS10400:2010 Part J, as per the engineers details.  
-Concrete surface bed to be reinforced with welded mesh reinforcement ref. 193 on 250um green damp proofing membrane under floors with turned up taped joints on earth filling compacted to 98% MODASHTO density. Soil poisoning & ant guard by specialist.  
-All penetrations through damp proofing to be taped with a pressure sensitive approved tape.  
-Compaction to comply with engineers details.  
-All slip and movement joints as per engineers specification.  
-Horizontal and vertical damp proof course (dpc) shall be of black polyethylene sheeting having embossed surface 375 microns thick.  
-Saw-cut joints in the surface bed shall be as per the eng's details.  
-Min 30mm screed over floor slab to receive floor finish as shown on the floor plans.  
-Floors for all ablation facilities, kitchens & laundry's to be waterproofed with an approved waterproofing material. Waterproofing to be turned up onto the wall at min. 75mm high.  
**SKIRTINGS:**  
-150 x 19mm Zimball profile timber skirting: drilled, plugged & screwed to wall.  
**BRICKWORK:**  
-All foundation and plinth brickwork to be NFX clay bricks. All non-plastered walls to be NFX clay bricks.  
-Brickforce to be placed in the first six courses of brickwork on strip foundations, thereafter placed in every 4th course in all brick walls.  
-10mm impregnated softboard at all junctions between brickwork & concrete, as well as between old and new brickwork. Joints to be filled with polysulphide sealant.  
-Masonry walls to comply with SANS 10400:2010 Part K.  
-230 walls tied together with metal ties evenly spaced at not more than 600mm apart to every 3rd course. Wall ties to be staggered.  
-110mm brick wall reinforced with 75mm wide reinforcing one row to every 3 courses in height.  
-Provide brick force to every course above windows, doors and openings.  
-Allow for open vertical perpend on cavity external skins, equally spaced.  
-Allow for gap at window head and sill levels.  
-All brick walls to be reinforced with reinforcing one row to every 4th course, to comply with SANS 10400:2010 Part K.  
-As shown on elevations, Internal & External walls to be plastered and painted with SABS approved PVA external quality paints.  
-Vertical and horizontal waterproofing (damp proof) to external walls to be as per SANS 10400:2010 Part K.  
-V joints at junction between brickwork & concrete slabs & beams. Install 10mm softboard joints between brick & concrete and seal with suitable polysulphide.  
-Outer face of inner skin of facebrick or stone clad walls to be bagged and bitumen tarred.  
-All spans & supports over corner windows to be as per eng's details.  
**WINDOWS & DOORS:**  
-Refer to schedules.  
**EXTERNAL WINDOW SILLS:**  
-Plastered brickwork 100mm bands, with 10mm drip below.  
**CEILING:**  
**Gypsum Board:**  
-6.4mm Gypsum ceiling boards to be fixed to 38x38mm timber bracing at max 450mm centres. Joints to be taped flush and skimmed.  
-Ceilings to be prepared to receive one coat primer, one intermediate coat and 2 or more top coats. Ceilings to be painted with SABS approved ceiling paint.  
-125 x 22mm painted timber cornice at junction between walls and ceilings, fixed to bracing or rc soffits.  
**CEILING INSULATION:**  
-Minimum 100mm flexible fibre glass blanket, thermal insulation to be installed in the ceiling void between the bracing over the ceiling boards.  
**SOFFIT CEILING:**  
-RC soffit ceilings to be plastered or skimmed to be smooth and consistent and finished with PVA paint, with cornice.  
**TILED ROOF:**  
-Roof installation to comply with SANS 10400:2010 Part L and SANS 10400:2011 Part T.  
-The roof assembly to comply with SANS204:2011 4.3.6. A minimum R-Value of 2.7m<sup>2</sup> KW is to be achieved. Refer to the Energy Efficiency calculation document, that is attached.  
-Marley monarch antique terracotta concrete roof tiles on SA pine 38 X 38 battens at 17.5 deg. pitch on 38x88mm timber battens at max 345mm centres as per the manufacturers recommendations. All roof tiles at the overhangs to be secured to battens with storm-clips. Install matching roof hip & ridge caps.  
-Battens to be laid on a reflective foil insulations layer. Roof isolation to be installed between battens & rafters as per the manufacturers specifications and as per SANS204:2011 4.3.6.2.  
-Trusses to be installed by an approved roof installer. Roof trusses to be designed and certified by the roof manufacturer's engineer. Roof manufacturer to provide a certificate of structural stability for the completed roof.  
-Contractor is to build in approved 4 ply P.C. whether or not these are shown on drawings, to all windows, doors, grilles or other openings in external walls.  
-30 x 1.2mm Galvanized steel straps to be tied to the roof trusses and taken min 300mm below the tie beams into the brickwork or concrete beams.  
-Cut 220-bricks for beam fill. 110 bricks to seal wall plate.  
-All roof rafters at the overhang to be stained.  
-Eaves to be enclosed with 75x25mm timber slats fixed to rafters onto support frames.  
-Vermis plastering to be installed above the slats. Timber slats to be finished as per the colour schedule.  
-All parapet walls to be waterproofed to match the roof tile colour.  
-Install flashing between roof tiles and Nutek plastic cladding at roof gables.

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**CLIENT**  
V PILLAY & Y S NAIDOO  
authorized by (agency/owner)

**PROPOSAL**  
ADDITIONS AND ALTERATIONS TO DWELLING

**PROPERTY DETAILS**  
34 KELVIN PLACE  
ATHLONE  
DURBAN NORTH  
ERF 39 DURBAN NORTH

**DRAWING TITLE**  
ELEVATIONS  
SECTIONS  
BOUNDARY WALLS  
WINDOW & DOOR SCHEDULE  
DRAWING NUMBER

**DATE**  
2022/03/23  
AUTHOR: T K  
SCALE: AS SHOWN  
CHECKED: S S

D.D. 62-1/2020 REV 000