

Proposed VIP Gents Latrine Blocks

ITEM	DESCRIPTION	QTY	UNIT	RATE (Ksh)	AMOUNT (Ksh)
	<u>SUBSTRUCTURE WORKS (ALL PROVISIONAL)</u>				
	<u>Excavations</u>				
A	Clearing site of all bushes, shrubs, undergrowth and the like; small trees not exceeding 600mm girth; disposing arisings	26	SM		
B	Excavation to reduced level commencing from ground level 300mm deep and not exceeding 1500mm	20	SM		
C	Latrine pit excavation measuring 4.9m*2.6m*4m deep commencing from reduced level	51	CM		
D	Excavate for strip foundations not exceeding 1500 mm deep commencing from reduced level	6	CM		
E	Extra over all excavations and earthworks for breaking up rock where encountered	1	CM		
F	Plank and strut to uphold sides of excavations: keep excavations free from all fallen material	1	Item		
G	Keep excavations free from ground and surface water	1	Item		
H	Load and cart away surplus excavated material from site	60	CM		
I	Return, fill and ram excavated material around	8	CM		
	TOTAL PAGE 1 CARRIED TO COLLECTION				

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	<u>Insitu reinforced concrete class 20/20: vibrated: in</u>				
A	Strip foundation	3	CM		
	<u>Approved Natural Stonework; roughly squared; bedded in cement and sand mortar (1:4); 25mm wide x 20 Gauge hoop iron strapping every alternate courses</u>				
B	200mm thick walls around the latrine pit	68	SM		
	<u>200mmx300mm ring beam with 4Y12 reinforcement bars at mid-height on pit wall. Insitu reinforced concrete class 20/20 vibrated as described in:</u>				
C	200mm*300mm RC beams (mid-wall)	1	CM		
D	150mm thick floor slab	17	SM		
E	200mm*400mm RC beams (at ground slab)	1	CM		
	<u>Sawn formwork to:-</u>				
F	Sides: strip foundation	8	SM		
G	Sides and soffittes of beams	12	SM		
H	Soffittes of slab	12	SM		
I	Edges: slabs over 75 but not exceeding 150 mm girth	17	LM		
	<u>High tensile square twisted steel bars to B.S. 4441</u>				
J	8mm dia bars	99	Kgs		
K	10mm dia bars	179	Kgs		
L	12mm dia bars	131	Kgs		
M	16mm dia bars	80	Kgs		
N	Mesh fabric reinforcement to B.S 4483 and setting in concrete with 300mm side and end laps (measured nett-allow for laps. Fabric ref. A142 weighing 2.22kg/sq. metre in surface bed	17	SM		
	<u>Approved Natural Stonework; roughly squared; bedded in cement and sand mortar (1:4); 25mm wide x 20 Gauge hoop iron strapping every alternate courses</u>				
O	100mm thick walls (superstructure)	36	SM		
TOTAL PAGE 2 CARRIED TO COLLECTION					

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A	<u>Render to plinth Finishes</u> 12mm thick cement/ sand render	5	SM		
B	<u>Paintwork</u> Prepare and apply three coats of black bituminous paint to plinth render	5	SM		
<u>REINFORCED CONCRETE (R.C) WORKS</u>					
<u>Insitu reinforced concrete class 20/20: vibrated: in</u>					
C	Ring beams	1	CM		
<u>High tensile, square twisted bar reinforcement to BS 4461</u>					
D	8mm dia bars	25	Kgs		
E	12mm dia bars	72	Kgs		
<u>Sawn formwork as described to:-</u>					
F	Sides of ring beam	12	SM		
<u>Damp proof course</u>					
G	150mm wide "Pluvex" or other equal and approved dumproof course laid and bedded in and including cement and sand mortar (1:4)	10	LM		
<u>ROOF STRUCTURE</u>					
<u>All in sawn cypress: second grade: clean: treated with approved wood preservative: including jointing and connections as necessary</u>					
<u>The following in Roof Support</u>					
H	100 x 50mm rafters	18	LM		
I	150 x 25mm fascia board	14	LM		
J	75 x 50mm Ditto; Wall plate: fixed to concrete or masonry with approved bolts at 1000 mm centres	10	LM		
K	G28 IT5 roofing sheets fixed to timber purlins with approved nails	12	SM		
TOTAL PAGE 3 CARRIED TO COLLECTION					

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<u>WINDOWS</u>					
<u>Casements</u>					
<u>Steel casement windows purpose made primed steel complete in opening and fixed lights complete with fasteners and stays; steel lugs built into stone work to client's approval</u>					
N	Window size 600 x 600 mm high	4	No.		
<u>Glazing</u>					
O	4 mm thick clear sheet glass and glazing to metal with metallic putty in different panes	2	SM		
TOTAL PAGE 4 CARRIED TO COLLECTION					

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	<u>Painting</u>				
A	Prepare and apply three coats of gloss oil paint to metal surfaces of windows; internally	2	SM		
B	Ditto; externally	2	SM		
	<u>DOORS</u>				
	<u>Metal Door:</u>				
	<u>Supply and fix mild steel door complete with frames, stiles, rails and hinges; Locking accessories; one coat of red oxide primer before fixing:-</u>				
C	50mm thick single leaf door size 800 x 2100 mm high	4	No.		
	<u>Ironmongery</u>				
D	38mm rubber door stops as described	4	No.		
	<u>Painting</u>				
E	Prepare and apply three coats of gloss oil to metal surfaces	13	SM		
	<u>WALL FINISHES</u>				
	<u>EXTERNAL</u>				
	<u>Key pointing</u>				
F	Extra over walling for horizontal recessed and flush vertical key pointed joints in cement and sand (1:4) mortar.	26	SM		
	<u>19mm thick render as described to:</u>				
G	Ring beam masonry work	4	SM		
	<u>Paintwork</u>				
H	Prepare and apply three coats external plastic emulsion paint to ring beam	4	SM		
	<u>INTERNAL</u>				
	<u>Gauged plaster 1:1:9 as described to:</u>				
I	Walls and concrete surfaces internally (walls and ring beam)	55	SM		
	<u>Paintwork</u>				
J	Prepare and apply three coats plastic emulsion paint to plastered surfaces.	55	SM		
K	Supply and fix 100mm diam vent pipe	3	M		
TOTAL PAGE 5 CARRIED TO COLLECTION					

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	<u>FLOOR FINISHES: Internal Finishes</u>				
	<u>Steel trowelled cement and sand screed (1:4) in:</u>				
A	32mm thick Coloured screed smooth finish	13	SM		
B	Connection of urinal unit including complete drainage	1	Unit		
	TOTAL PAGE 6 CARRIED TO COLLECTION				
	SUMMARY OF BUILDERS WORK				
1	PAGE 1 COLLECTION				
2	PAGE 2 COLLECTION				
3	PAGE 3 COLLECTION				
4	PAGE 4 COLLECTION				
5	PAGE 5 COLLECTION				
6	PAGE 6 COLLECTION FROM ABOVE				
	TOTAL COST ESTIMATE FOR ONE LATRINE				

EVALUATION CRITERIA: CONSTRUCTION OF TWO VIP LATRINES AT NYAMWARO & DISSI PRIMARY SCHOOL

Stage 1: Preliminary Bid Responsiveness Assessment

These are mandatory documents to be attached to the tender document. Absence of any of these documents will lead to the bidder being disqualified and will not be considered proceed to the next stage of evaluation.

Item	Requirement	Yes / No
1.	Certificate of Registration/Incorporation.	
2.	Updated copy of certified CR12 Form	
3.	Current Single Business Permit	
4.	Valid KRA Tax Compliance Certificate	
5.	Valid Registration Certificate from National Construction Authority (NCA 6 or higher) as water works Contractor and Building works	
6.	Valid Certificate of registration with the MWS&I as water development contractor.	
7.	NCA Practicing licence for water works/building works	
8.	Priced Bill of Quantities.	
9.	Bank Statement (January – December 2024)	

Stage 2: Technical Evaluation Stage

The technical evaluation is weighted out of 100 points with a pass mark of 70 points. Any bidder scoring 70 points and above in the technical evaluation will be considered for financial evaluation stage. Any bidder scoring below 70 Points in the Technical Evaluation will be disqualified from further evaluation.

	Particulars/Items	Max Points
1.	Experience in handling the same magnitude of works i.e. construction of VIP latrines. Attach contracts and Completion certificates for at least five different firms. 5 points will be awarded for each evidence attached. <ul style="list-style-type: none"> i. Similar works, similar magnitude -30 points ii. Similar works, lesser magnitude- 10 Points 	30 points

	iii. No similar works.- 0 point	
2.	<p>Technical skills in terms of human resource capacity. Attach updated CVs and certified copies of academic and professional certificates detailing qualifications of at least two (2) key personnel who shall be involved in this assignment as Site Project Manager or/and Foreman.</p> <p>The persons must be working with the organization by the time of submitting this proposal or sign certificate of commitment to work with the applying organization.</p> <p>Each of the 2 personnel will be evaluated as follows:</p> <p>Project manager</p> <p>At least Degree in Civil engineering or related field (Attach university certificate, Registration certificate with ERBK and CV) – 5 points</p> <p>Relevant Experience & Knowledge</p> <p>Good understanding on reading of production technical drawings</p> <p>Having worked in at 2 projects of Construction works preferably VIP Latrines and WASH;</p> <ul style="list-style-type: none"> - 8 years’ experience – 5 points - 5 - 7 years’ experience – 2.5 points - Less than 5 years’ experience – 1.5 points - No experience – 0 points <p>Foreman Civil /Water Works</p> <p>At least Diploma in Civil engineering or related field (Attach reputable college/university certificate and CV) – 5 points</p> <p>Relevant Experience & Knowledge</p> <p>Good understanding on reading of production technical drawings</p> <p>5 years of general experience in construction works</p> <p>Having worked in at least 2 WASH projects</p> <ul style="list-style-type: none"> - 5 years’ experience – 5 points - 2 - 4 years’ experience – 2.5 points - Less than 2 years – 1 point - No experience – 0 points 	20points

3.	<p>Work plan/Schedule and method statement. Provide a relevant work plan detailing how the assignment will be undertaken and how the overall goals will be achieved as per the schedule which must be within agreeable timeline as follows:</p> <ul style="list-style-type: none"> • Listing of relevant activities for the assignment Indication of responsibilities for respective activities and timelines (20 points) • Construction methodology (10 points) 	30 points
4.	<p>Equipment and plant owned by the company to be directly assigned to the project during the contract period. Provide a list of relevant equipment and accessories showing the status of ownership. Lease agreements will be accepted for those who do not own and may want to lease.</p> <ol style="list-style-type: none"> i. Evidence of the above ownership/lease of the essential equipment. – 20 points ii. Insufficient evidence of the above – 5 points iii. Complete lack of evidence of the above- 0 points <p>Essential equipment for Construction of VIP Latrines (2 Points for each equipment)</p> <ul style="list-style-type: none"> • Transport truck • Concrete mixer • Concrete Poker Vibrator • Concrete hoist • Wheelbarrow • 	20 points
	Total	100 points

3) Financial Evaluation Criteria

The bidders who pass the technical evaluation will be subjected to a tender price comparison. HFHK will award the Contract to the tenderer whose tender is determined to be substantially responsive to the tender documents and who has offered the lowest evaluated tender price.

NOTES:

GENERAL

- 1.All dimensions are in mm unless otherwise specified.
- 2.Dimensions to be read, not scaled.Only figured dimensions to be used.
- 3.Contractor to check and verify all dimensions on site before commencement of any works.

CONSTRUCTION

- 1.All slabs at ground level to be poured over 1000 gauge polythene sheeting on 50 mm thick murrum bliding layer which on 300 hardcore fill.
- 2.All soil under slabs and all around external foundations to be treated against termites.

STRUCTURAL

- 1.All black cotton soil to be removed from below all building and paved surfaces.
- 2.All soil under slabs and all around external foundations to be treated against termites.
- 3.For all R.C works, refer to structural drawings.
- 4.Depth of foundation to be determined on the site to structural Engineers Approval.

MECHANICAL

- 1.All plumbing and drainage to comply with local authority regulations.
- 2.All service ducts to be accessible from all floors .
- 3.SVP denotes soil vent pipe to be provided at the head of the drainage.
- 4.P.V permanent ventilation, to be provided on

- all doors and windows except bathroom and water closet doors.
- 5.All underground foul and waste drain pipes shall be upvc to comply with Bs 5255.
- 6.All inspection chamber covers and framing shall be cast iron to comply with Bs 497 table 2 grade A.
- 7.The storm drain pipe to comply with Bs 556 minimum slope in the drain pipes in 1%.
- 8.All testing of pipes must be done before plastering.

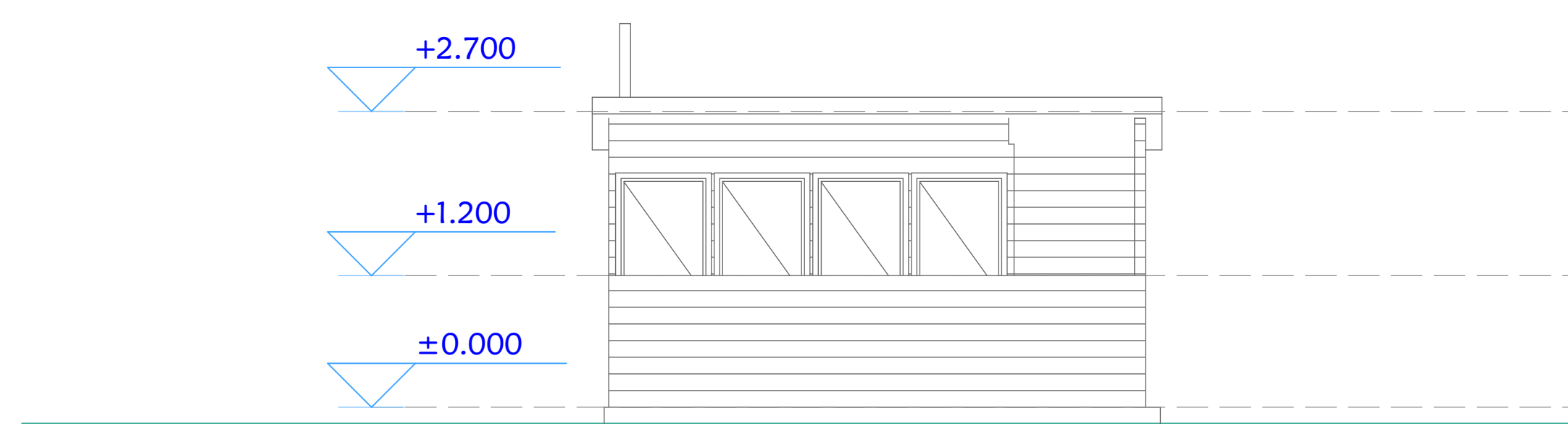
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DEVELOPING PARTNERS:
HFBK /BMZ/KISUMU COUNTY GOVERNMENT

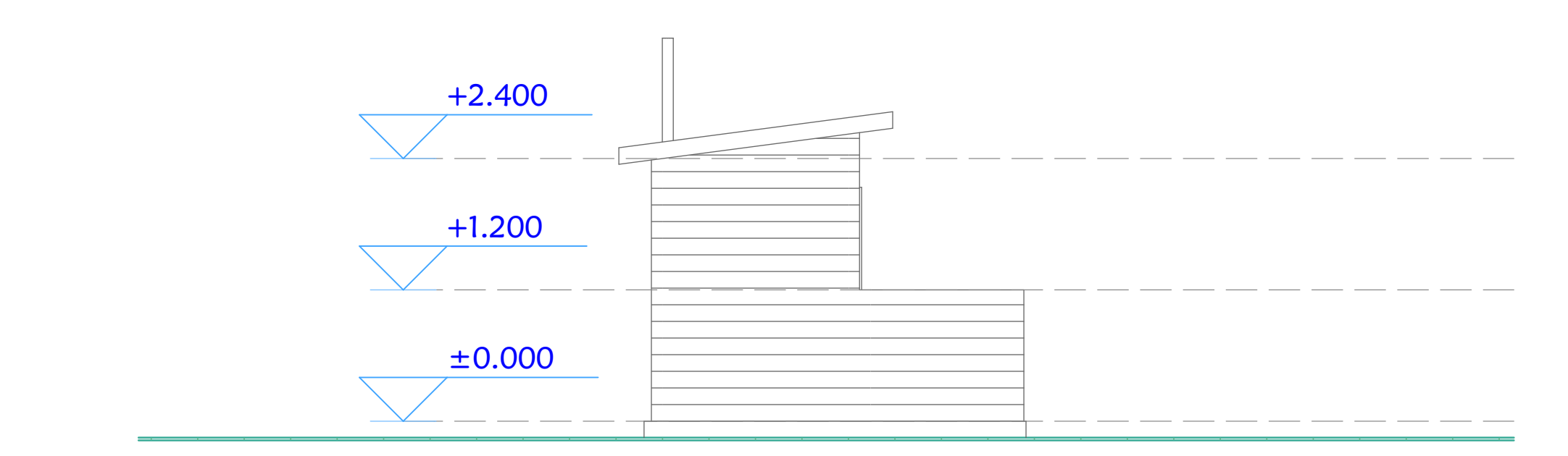
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PROPOSED VIP LATRINE BLOCKS AT DISH AND NYOMWARO IMARY SCHOOL, KOCHOGO SOUTH, KISUMU COUNTY

DRAWING TITLE:
WORKING DRAWINGS

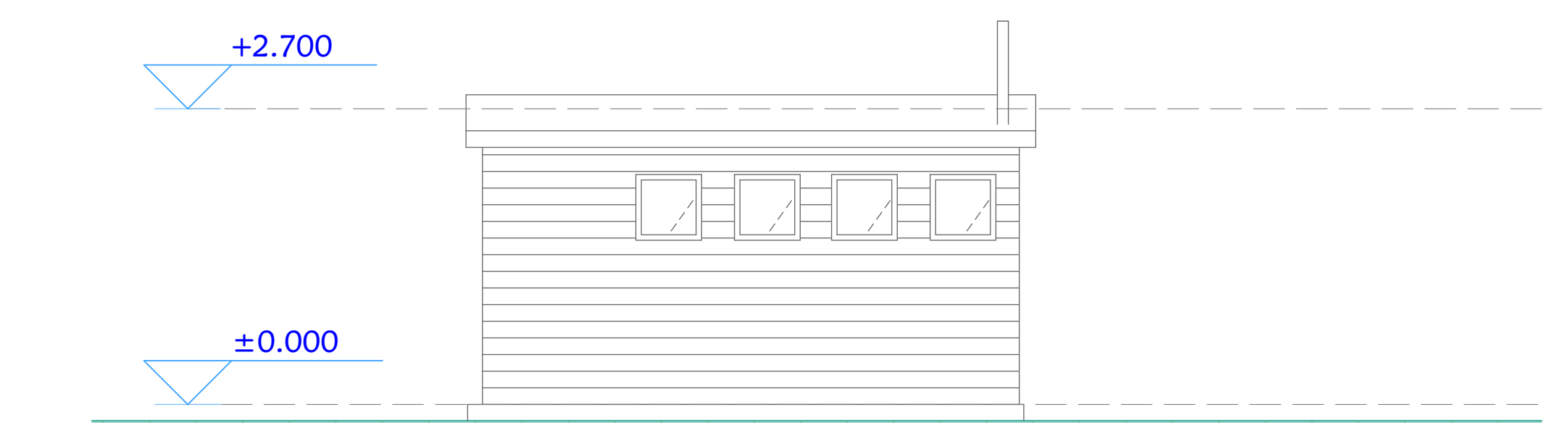
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 Designed by: C.M. Drawn by: C.M.



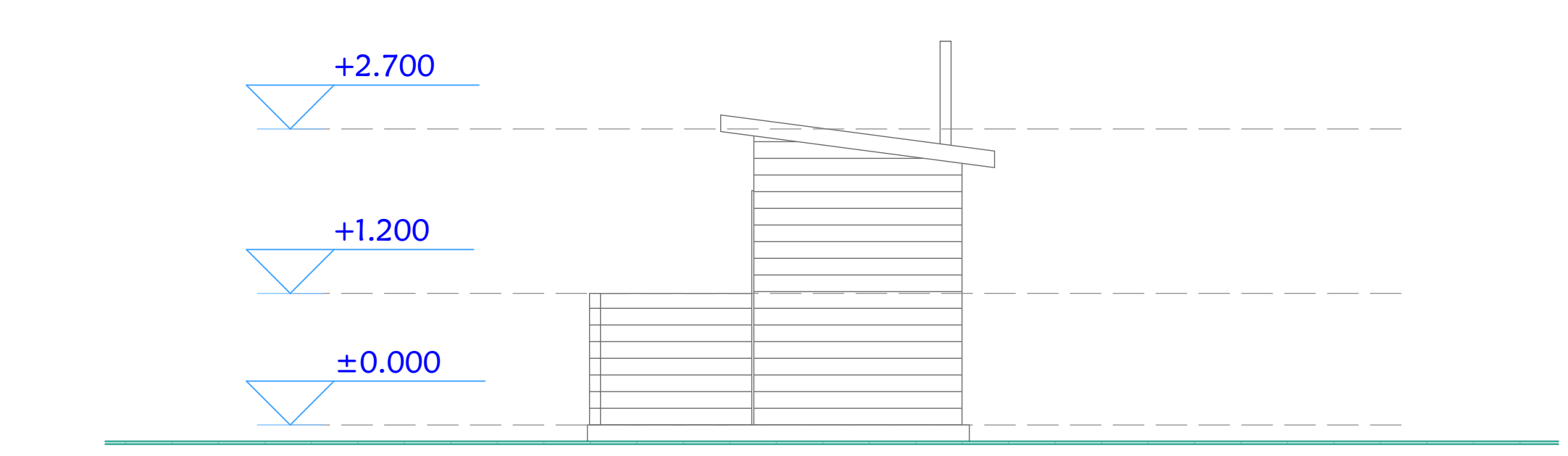
1:50 FRONT ELEVATION



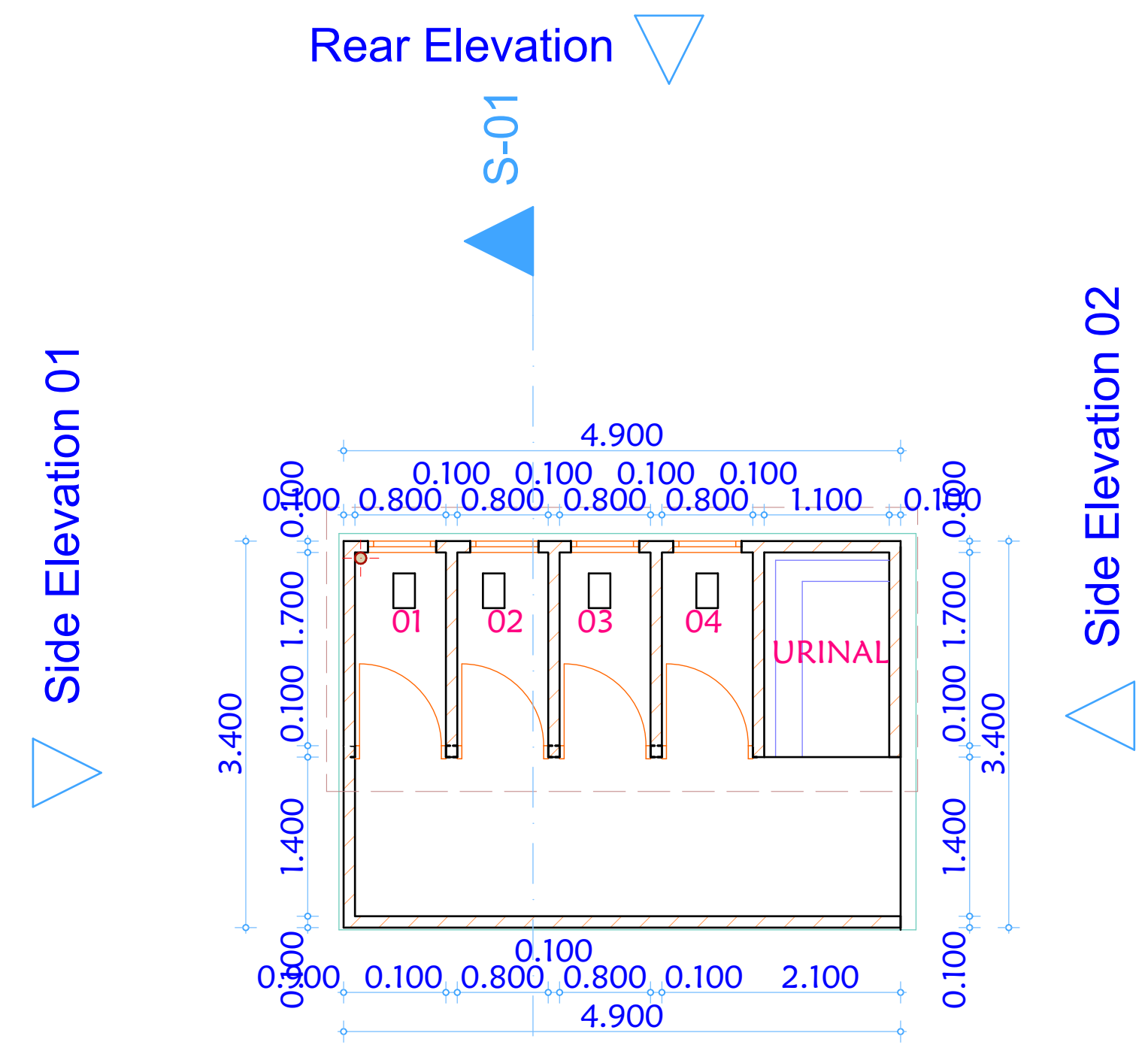
1:50 SIDE ELEVATION 01 1



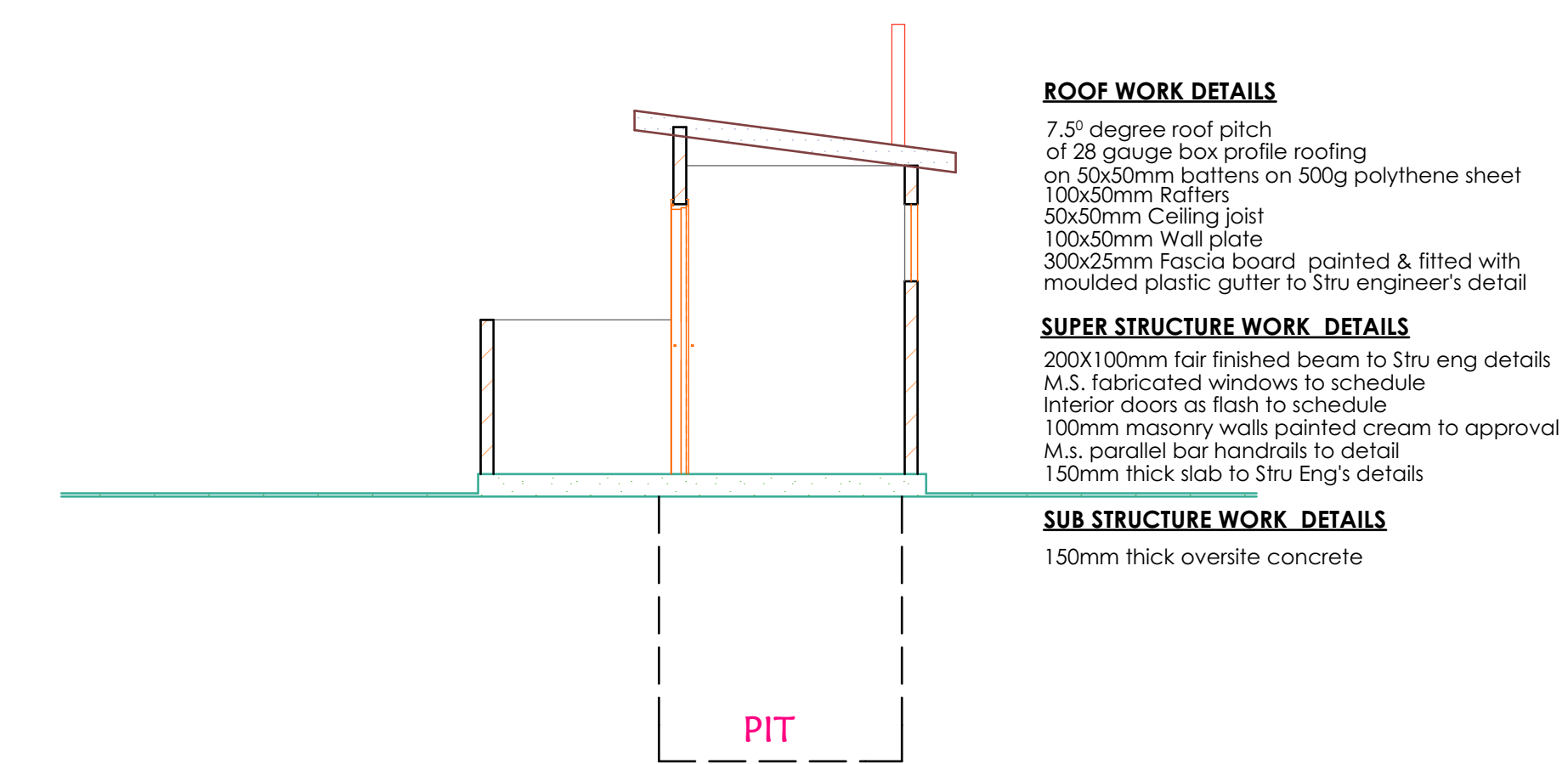
1:50 REAR ELEVATION



1:50 SIDE ELEVATION 02



1:50 FLOOR PLAN LAYOUT 0.



1:50 SECTIONAL ELEVATION S1 S-01

ROOF WORK DETAILS
 7.5° degree roof pitch
 of 28 gauge box profile roofing
 on 50x50mm battens on 500g polythene sheet
 100x50mm Rafter
 50x50mm Ceiling joist
 100x50mm Wall plate
 300x25mm Fascia board painted & fitted with
 moulded plastic gutter to Stru engineer's detail

SUPER STRUCTURE WORK DETAILS
 200X100mm fair finished beam to Stru eng details
 M.S. fabricated windows to schedule
 Interior doors as flash to schedule
 100mm masonry walls painted cream to approval
 M.s. parallel bar handrails to detail
 150mm thick slab to Stru Eng's details

SUB STRUCTURE WORK DETAILS
 150mm thick oversite concrete

PIT

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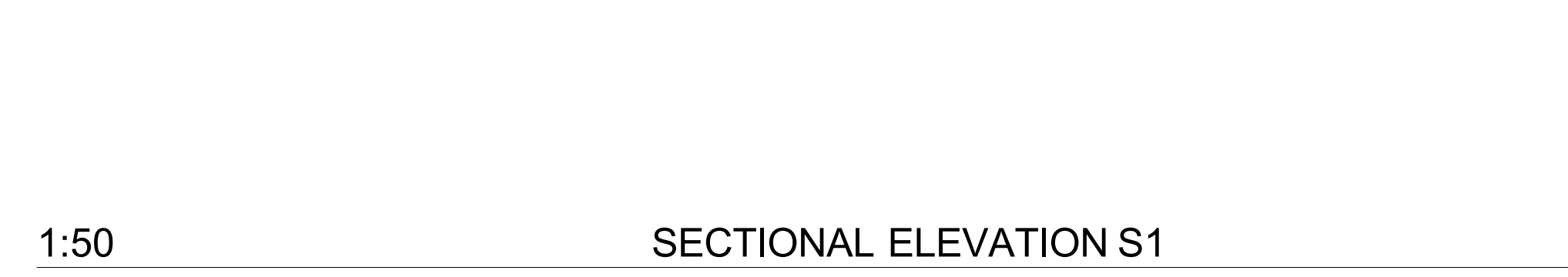
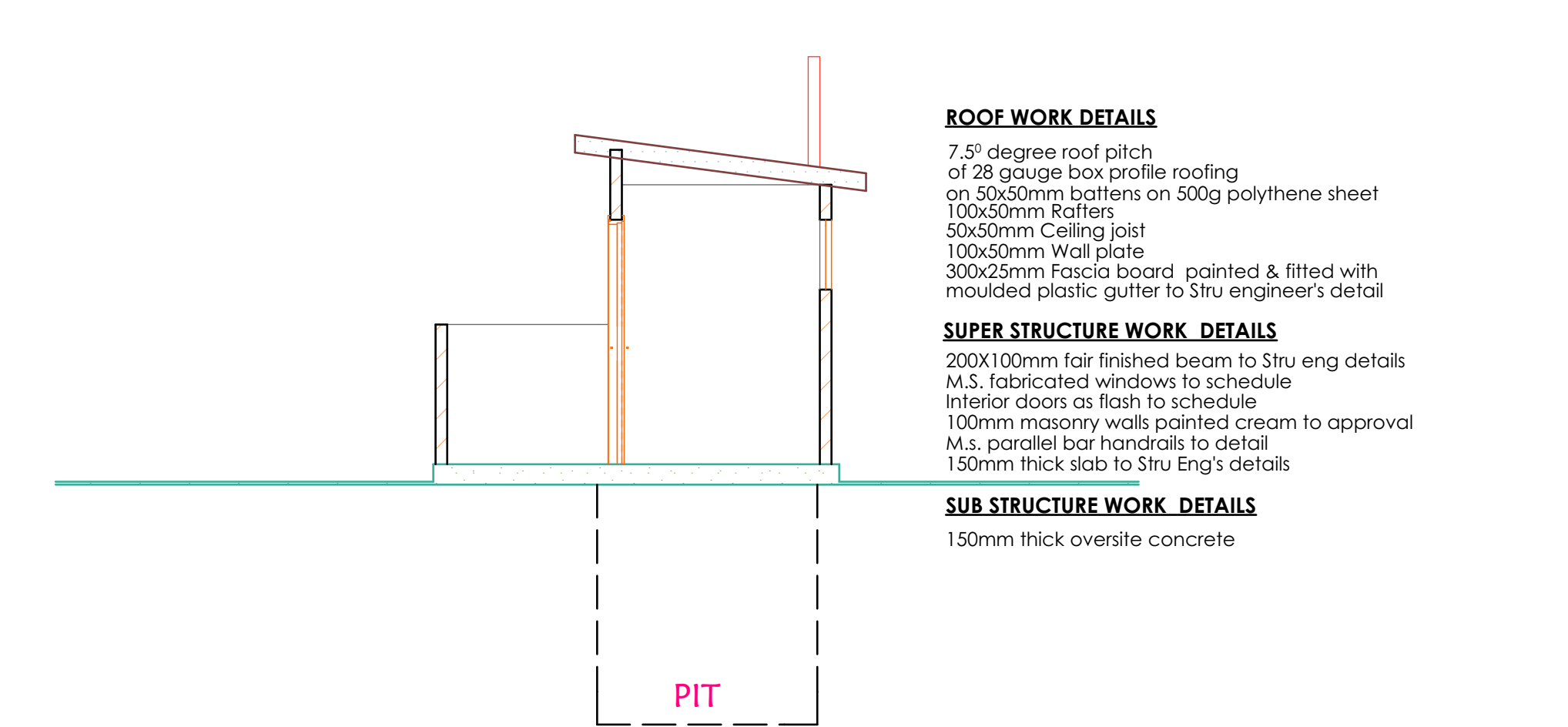
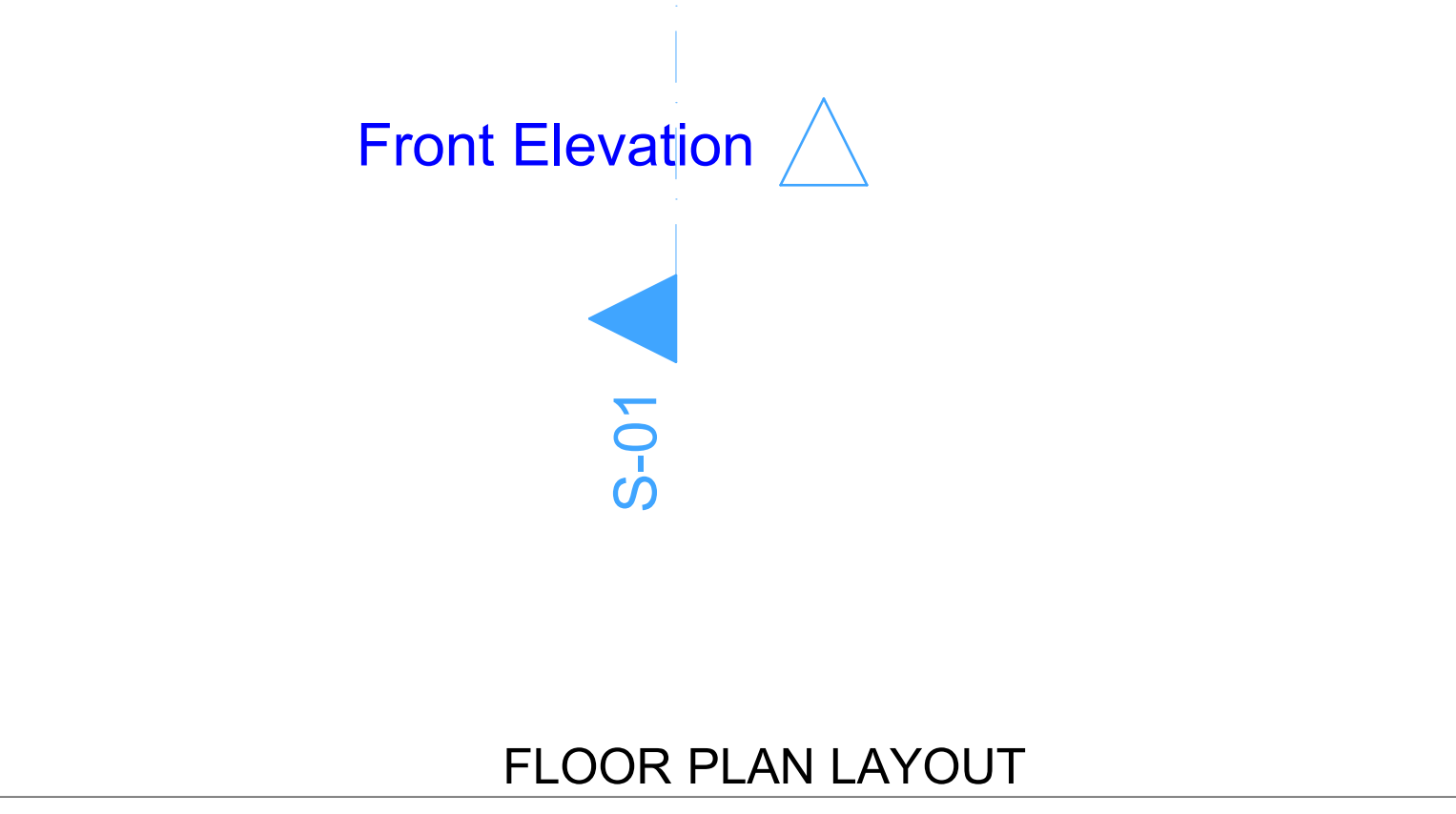
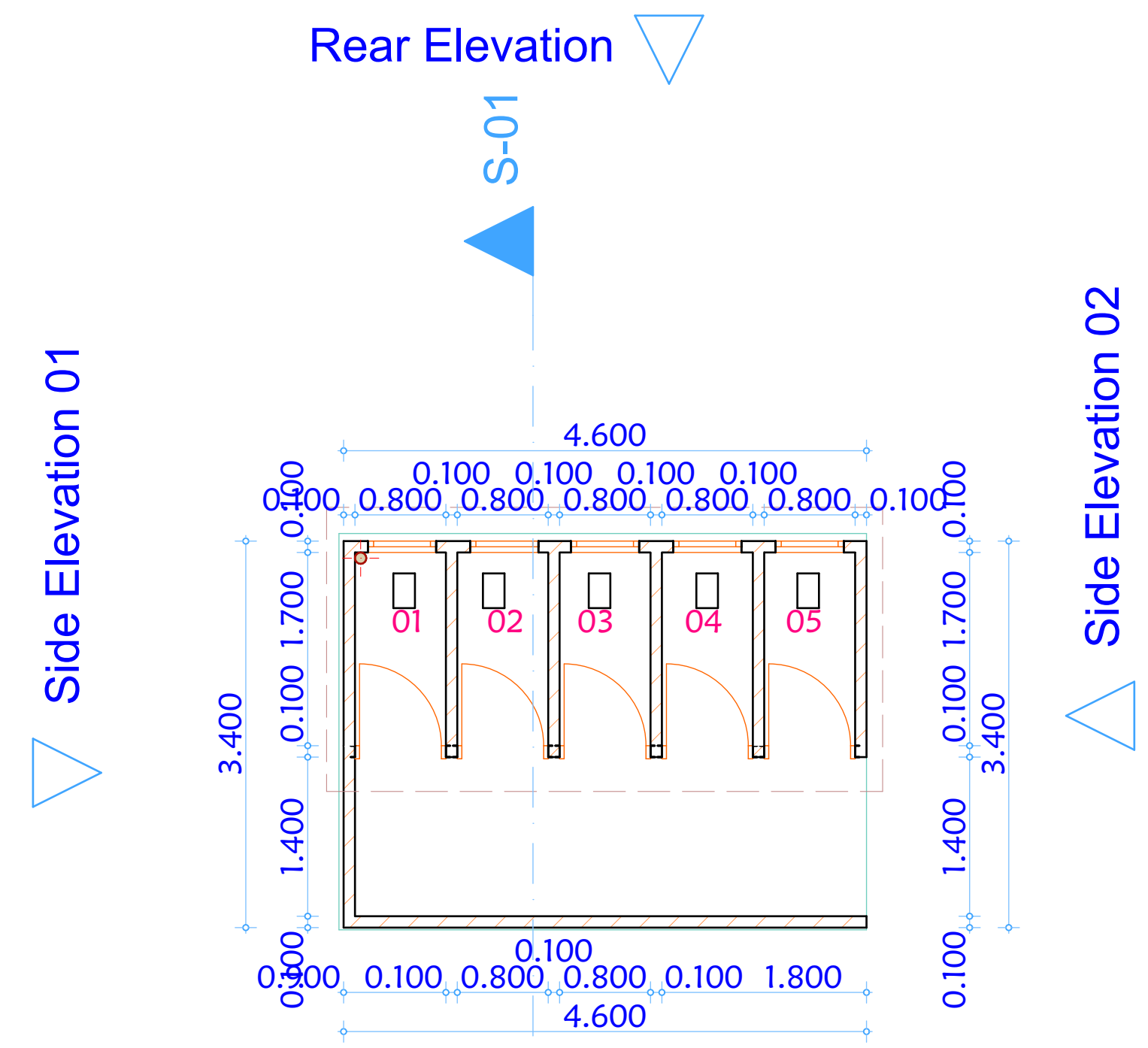
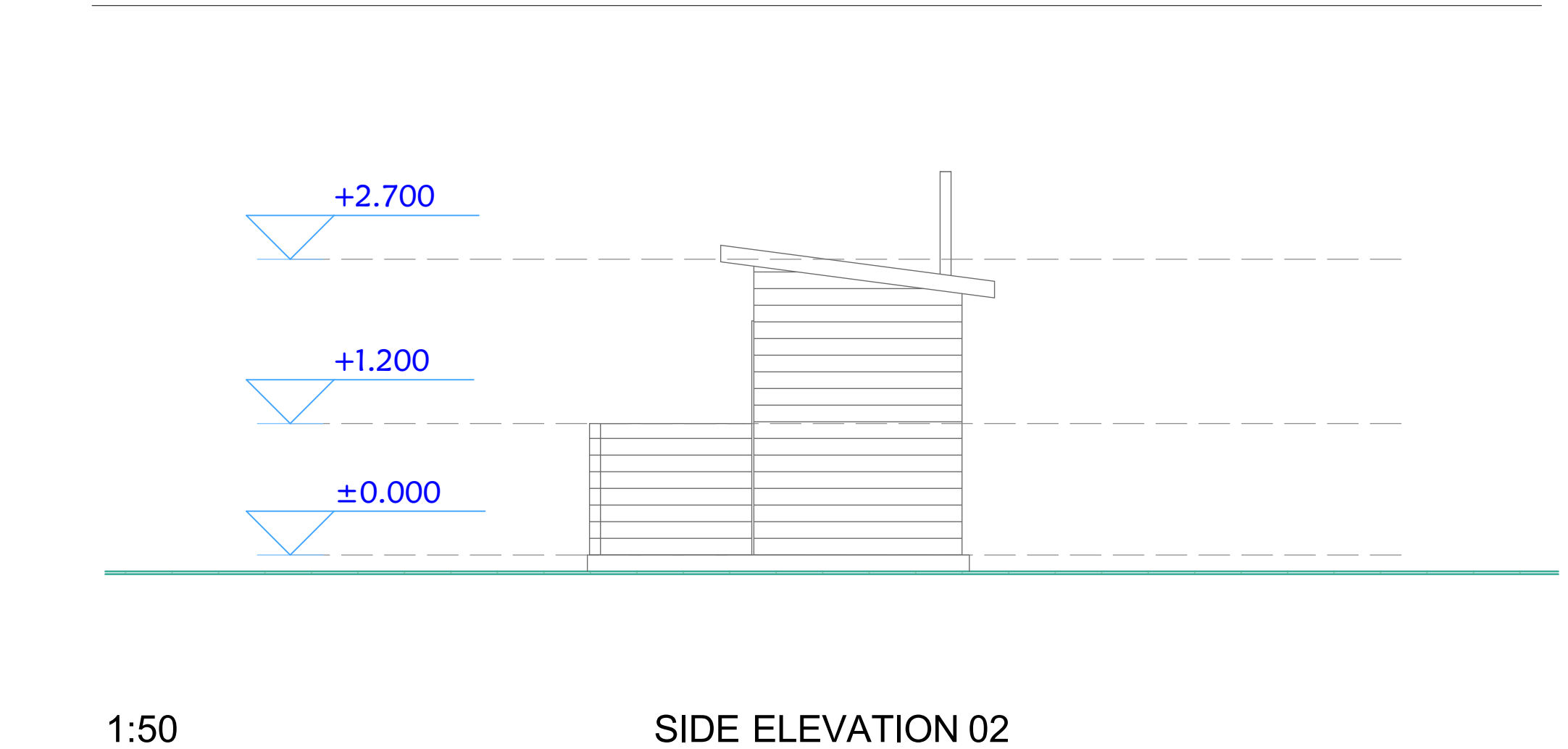
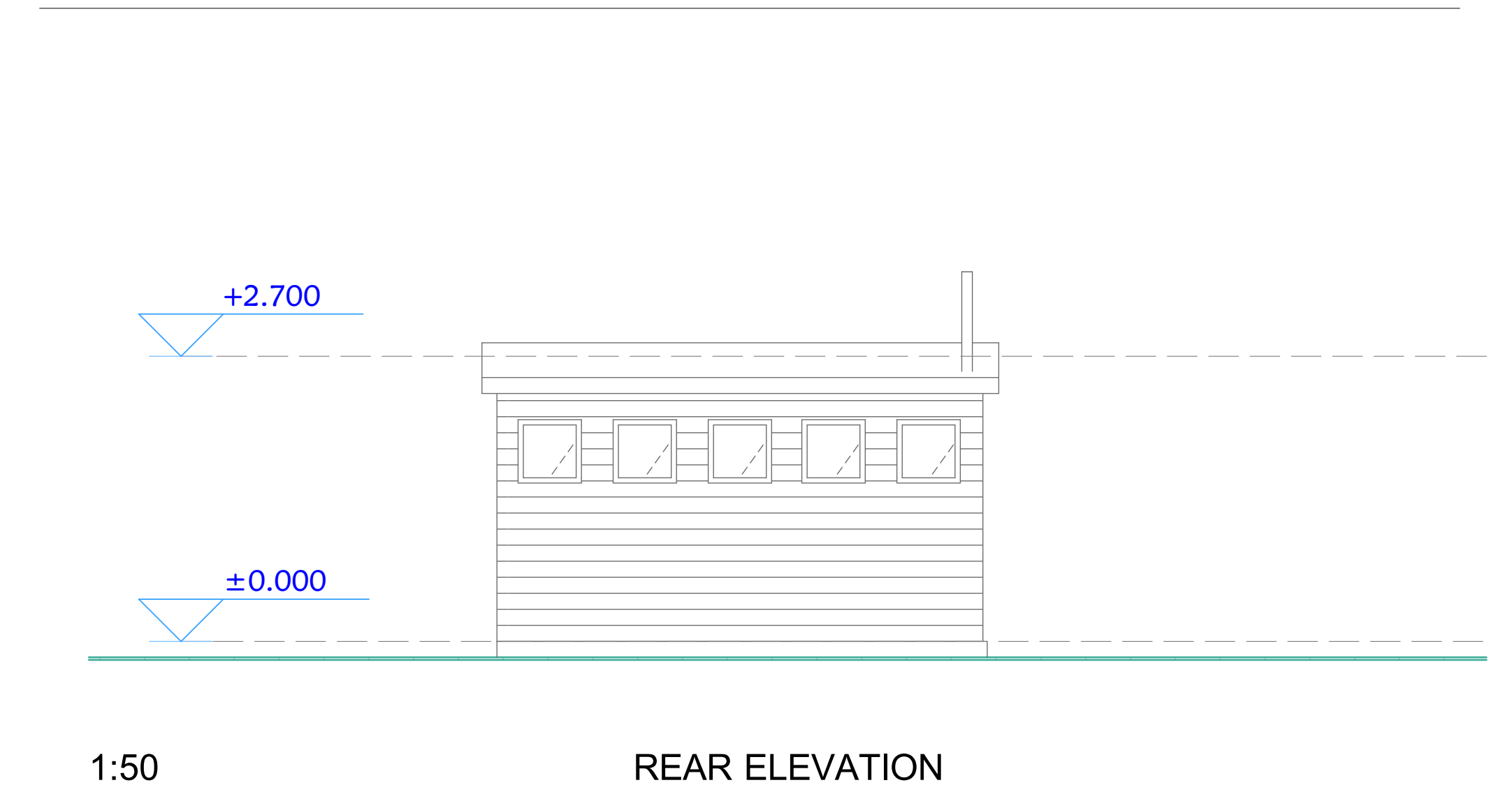
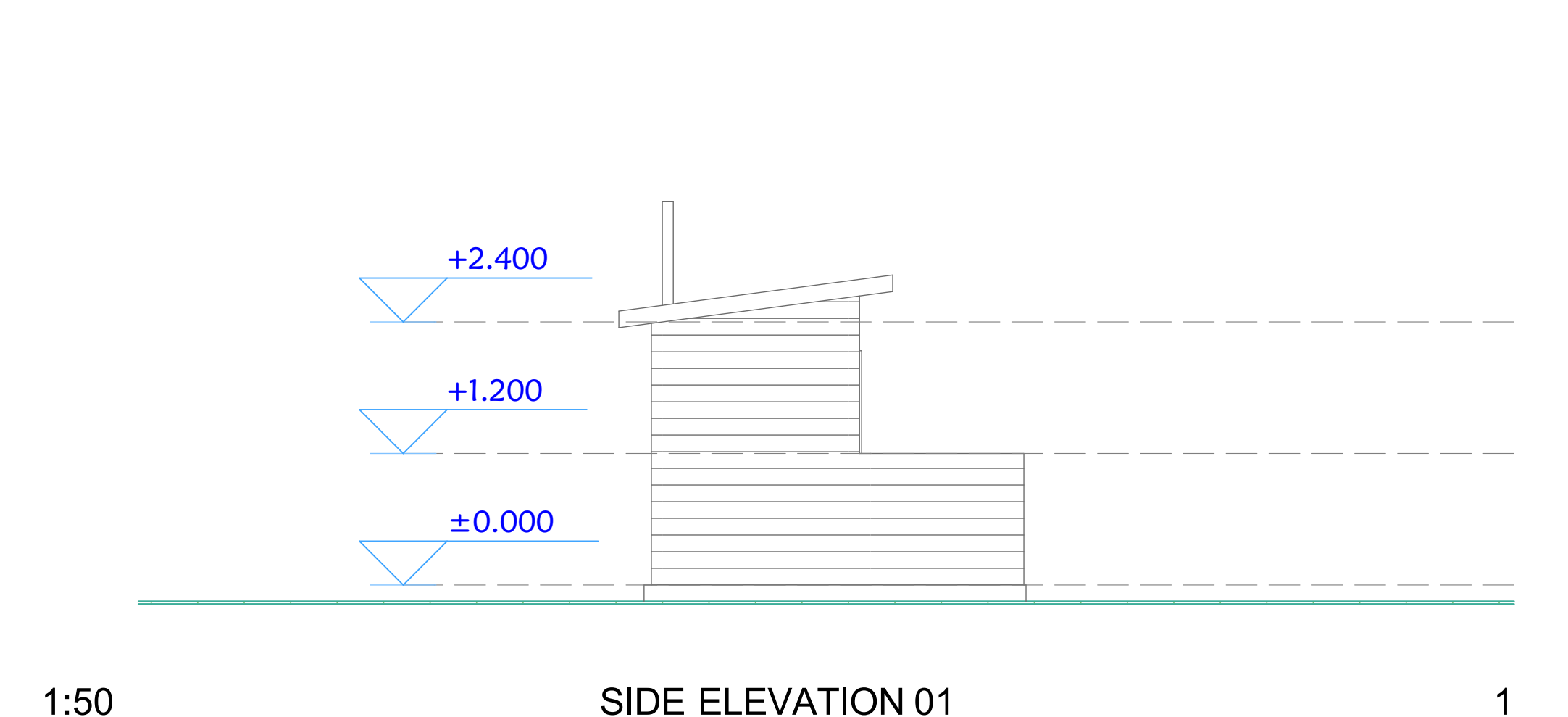
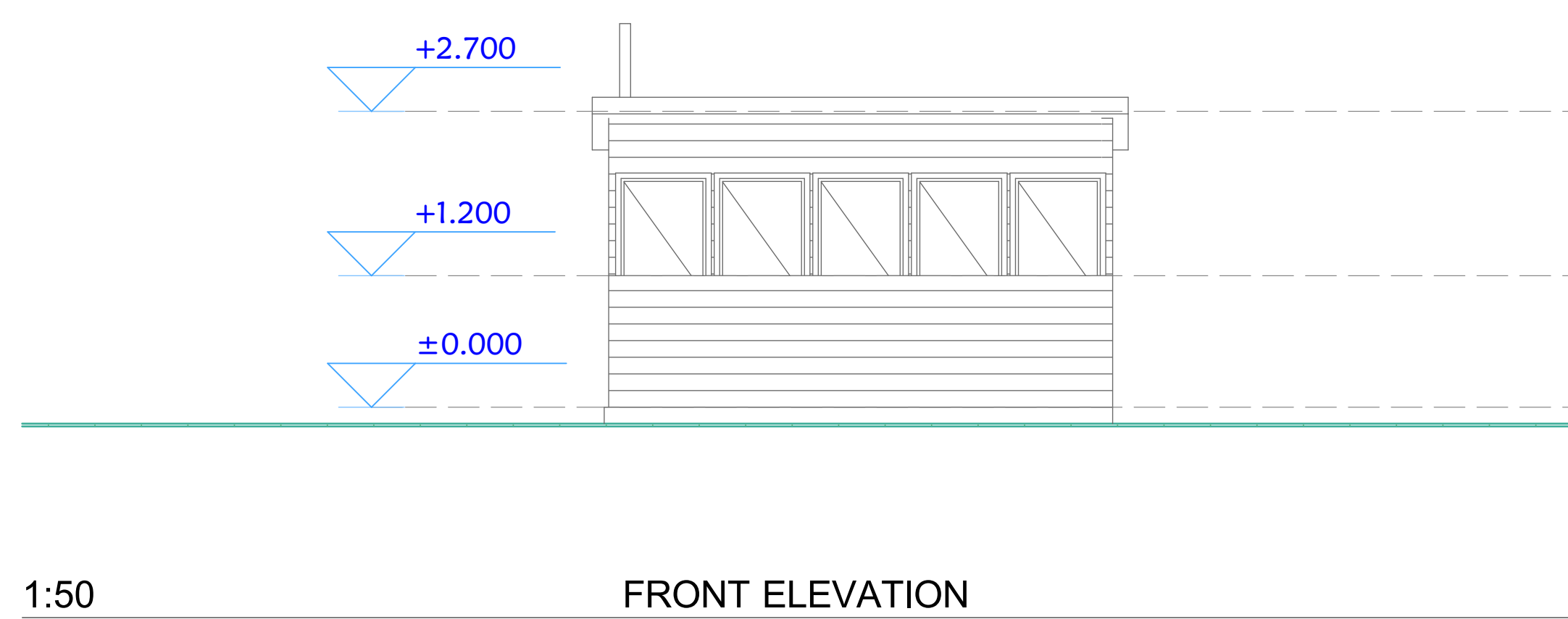
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DRAWING TITLE:
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7.5° degree roof pitch of 28 gauge box profile roofing on 50x50mm battens on 500g polythene sheet 100x50mm Rafter 50x50mm Ceiling joist 100x50mm Wall plate 300x25mm Fascia board painted & fitted with moulded plastic gutter to Stru engineer's detail

SUPER STRUCTURE WORK DETAILS
200X100mm fair finished beam to Stru eng details M.S. fabricated windows to schedule Interior doors as flash to schedule 100mm masonry walls painted cream to approval M.s. parallel bar handrails to detail 150mm thick slab to Stru Eng's details

SUB STRUCTURE WORK DETAILS
150mm thick oversite concrete

PIT

S-01