

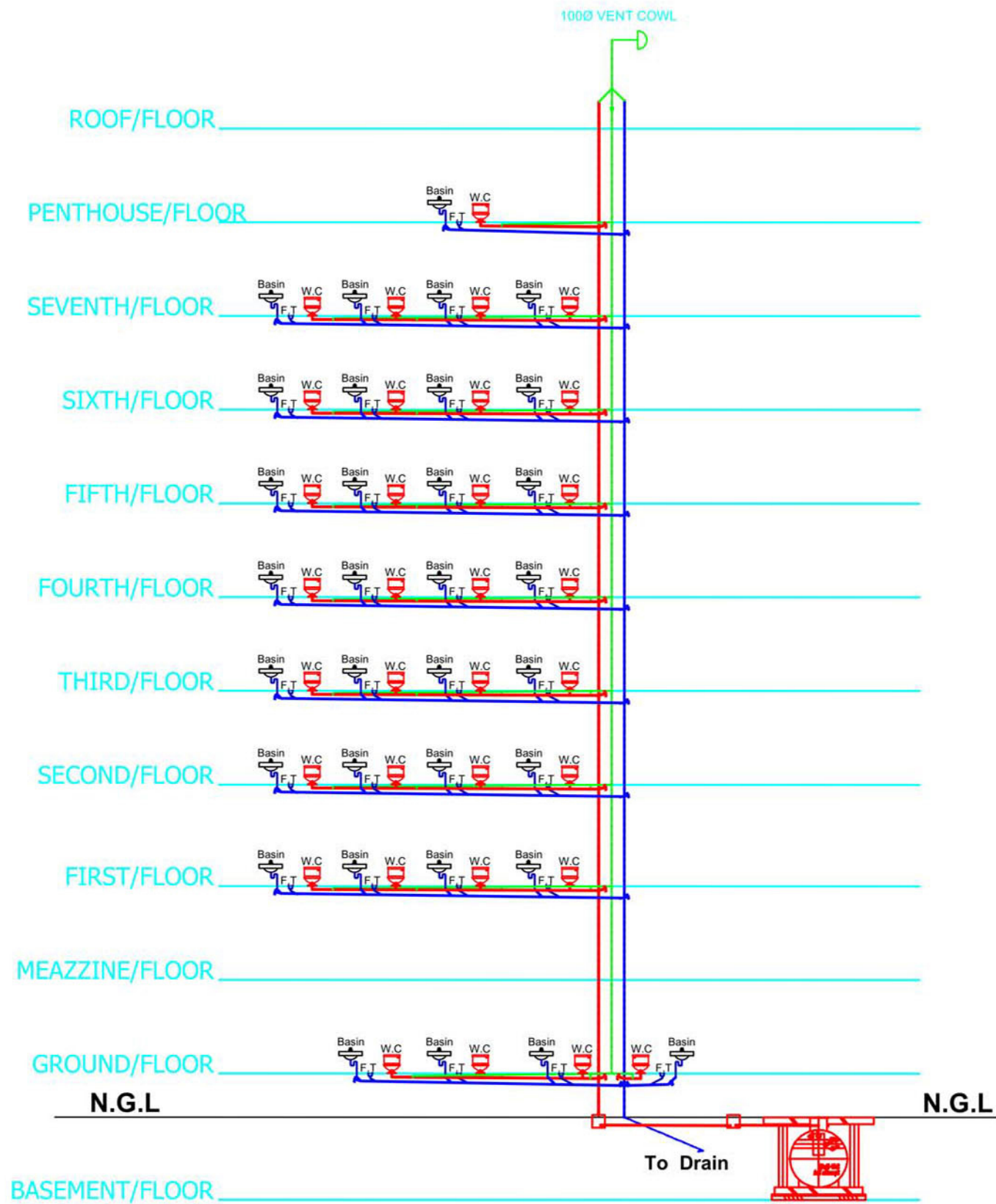


SITE LOCATION PLAN

(Not to scale)

PROPOSED NOTES

- (1) NO SEPTIC TANK FOR 8m³/day
- (33) NOS EWC
- (1) LINE 4" Ø SOIL PIPE (EACH RISER)
- (1) LINE 2" Ø VENT PIPE (EACH RISER)
- (1) LINE 3" Ø WASTE PIPE (EACH RISER)



SCHEMATIC DIAGRAM FOR SANITATION SYSTEM

OWNER / APPLICANT

DAW HLA
NO.1, A ROAD, AA WARD
AAA TOWNSHIP

PROJECT PROPOSED

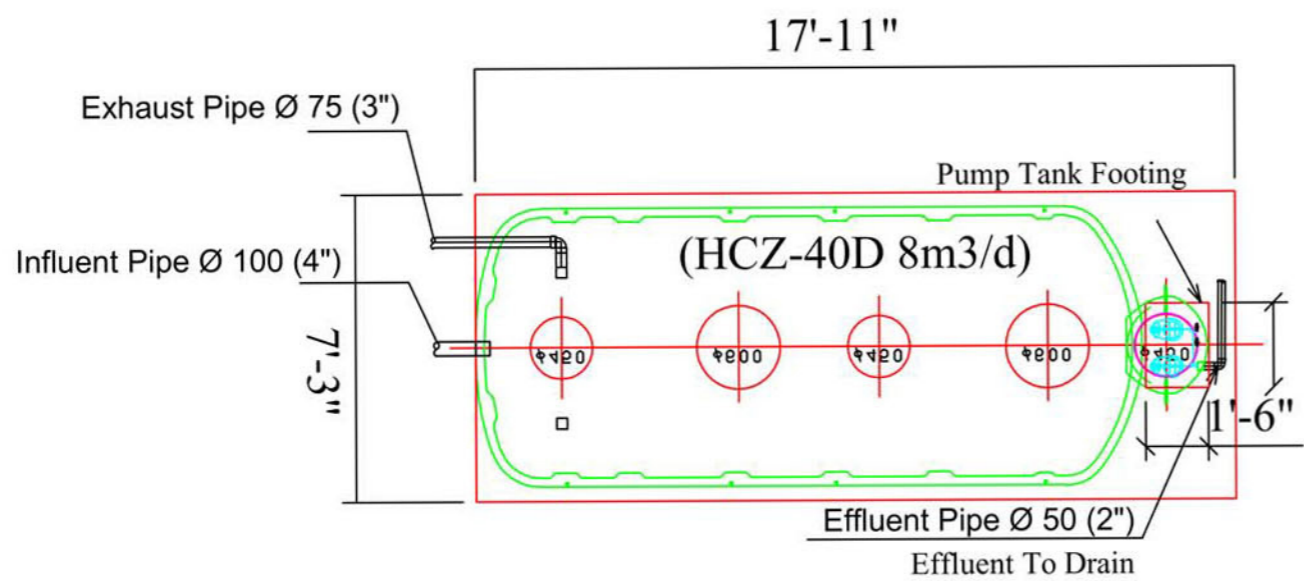
() PE FOR _m³/day (Kubota/
Daiki Axis/ Fuji Clean) AND
SANITARY INSTALLATION.

BLOCK NO

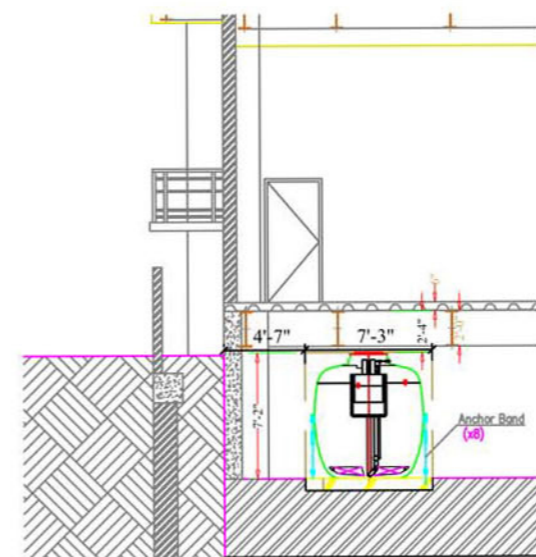
LOT NO

SCALE

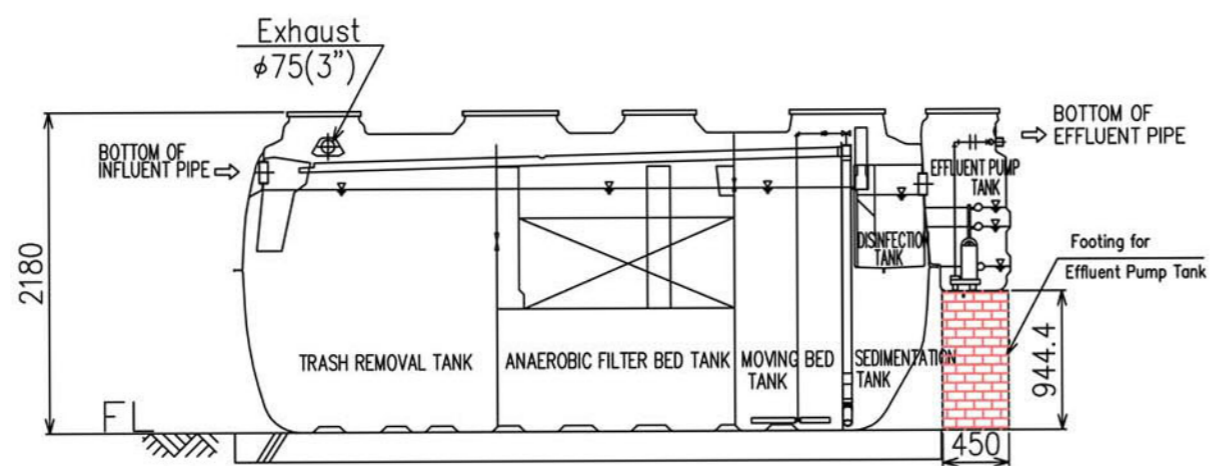
1" = 8'.00"



PLAN VIEW



CROSS SECTION



Side View

OWNER / APPLICANT

DAW HLA
 NO.1,A ROAD, AA WARD,
 AAA TOWNSHIP

PROJECT

PROPOSED

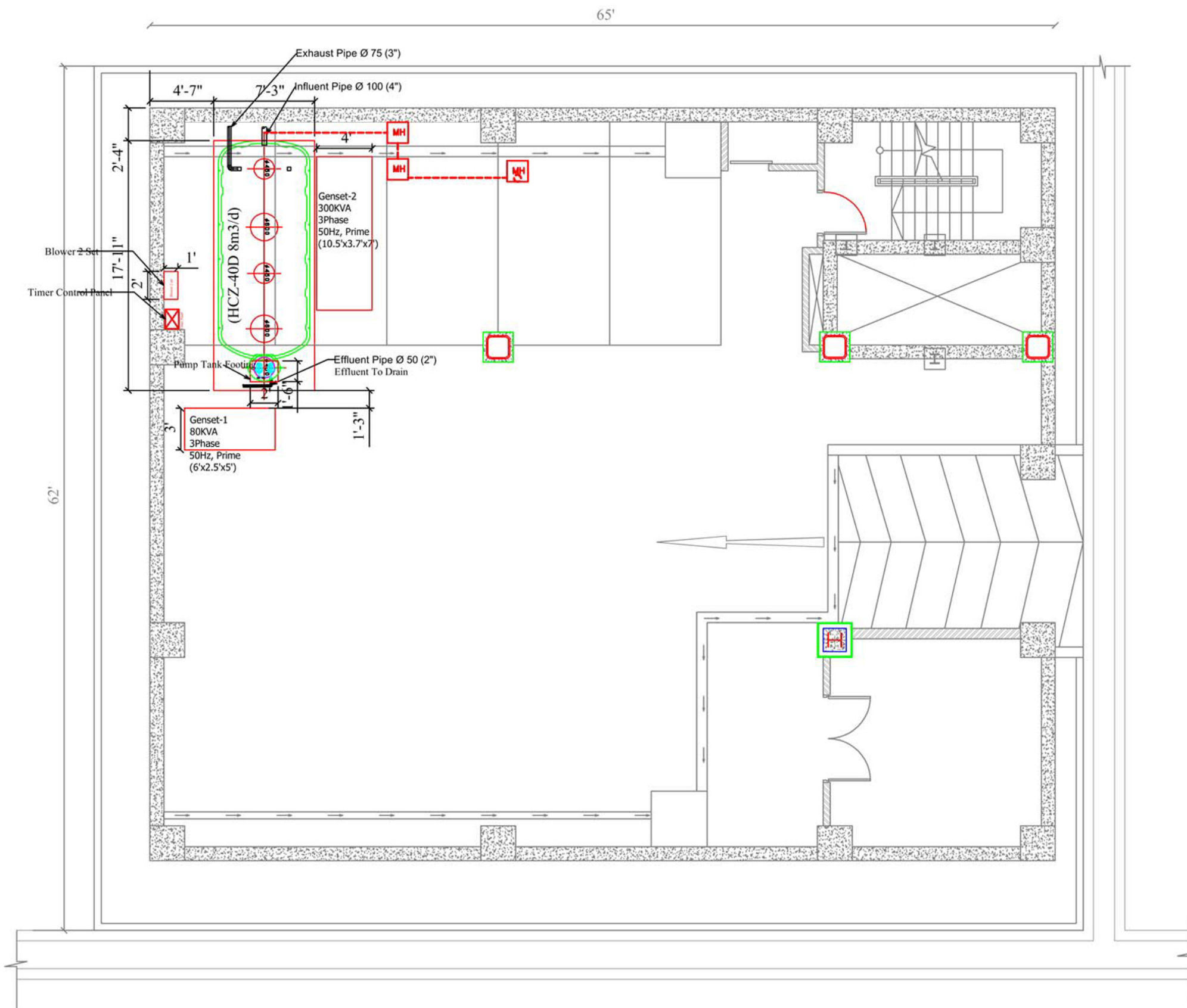
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BLOCK NO

LOT NO

SCALE

1" = 8'.00"



BASEMENT FLOOR PLAN

OWNER / APPLICANT

DAW HLA
 NO.1, A ROAD, AA WARD
 AAA TOWNSHIP

PROJECT PROPOSED

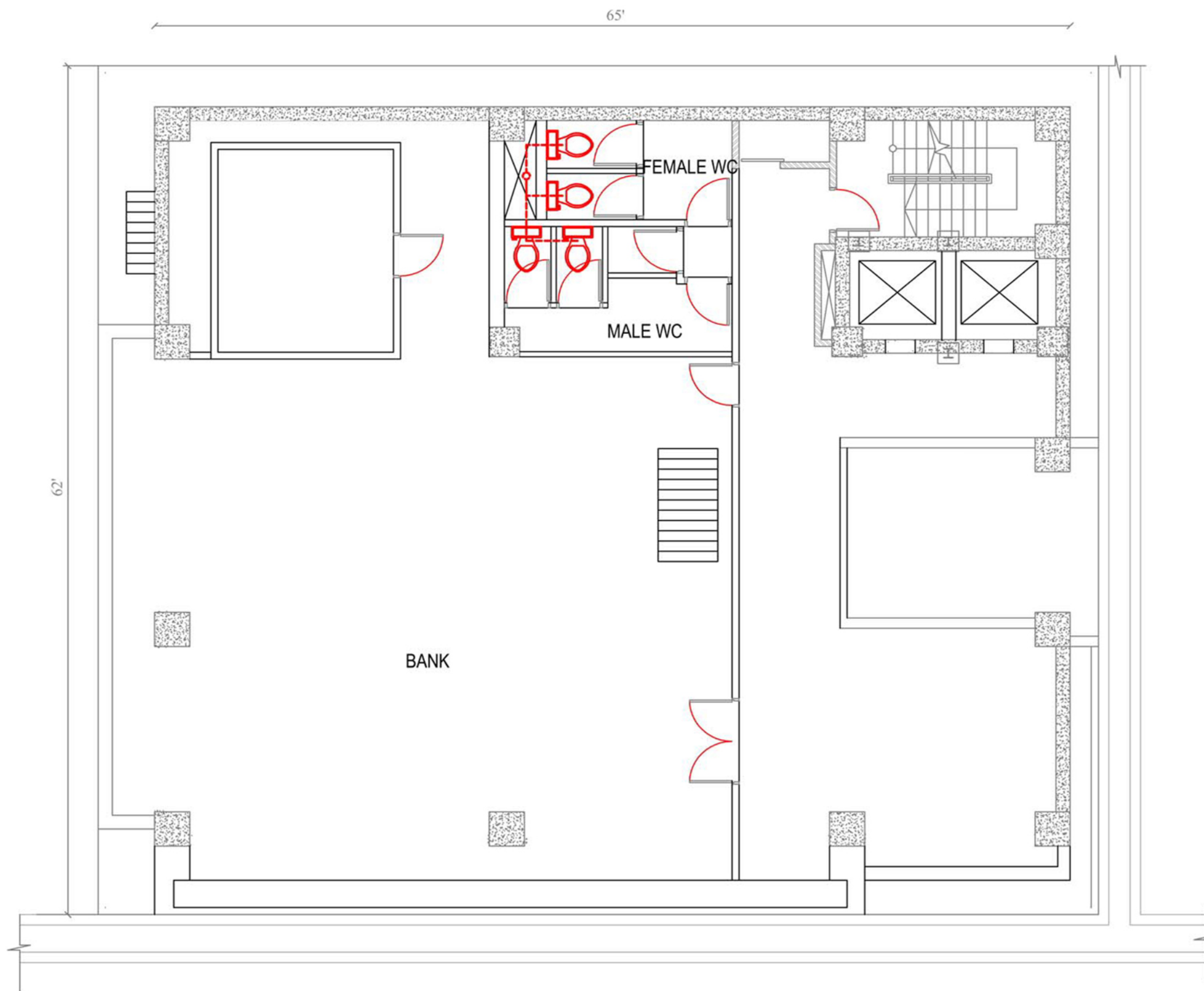
() PE FOR $_m^3/day$ (Kubota/
 Daiki Axis/ Fuji Clean) AND
 SANITARY INSTALLATION.

BLOCK NO

LOT NO

SCALE 1" = 8'.00"

L



GROUND FLOOR PLAN

OWNER / APPLICANT

DAW HLA
 NO.1, A ROAD, AA WARD
 AAA TOWNSHIP

PROJECT PROPOSED

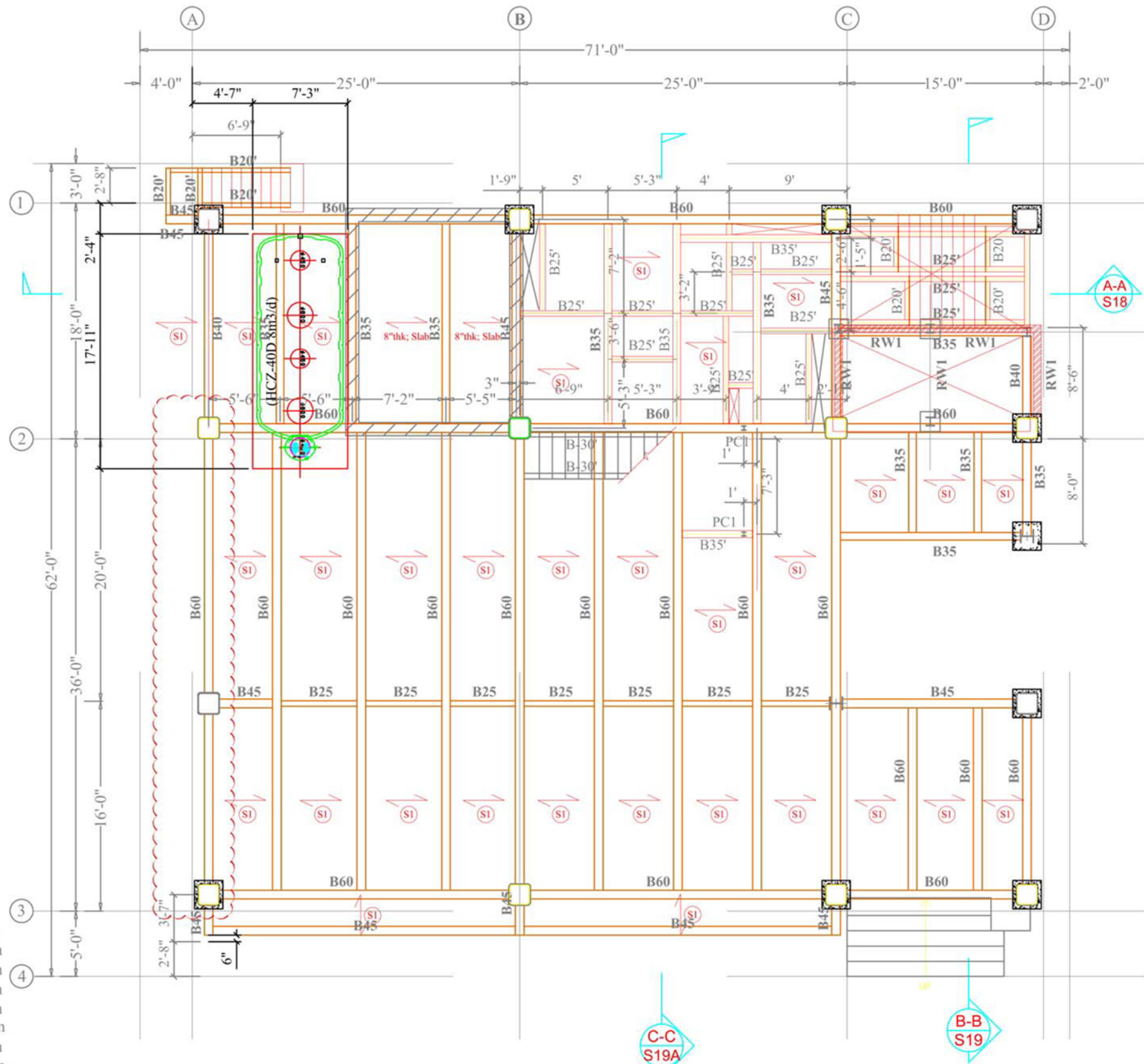
() PE FOR m^3/day (Kubota/
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 SANITARY INSTALLATION.

BLOCK NO

LOT NO

SCALE

1" = 8'.00"



LEGEND

- B60=H-600x200x106kg/m
- B45=H-450x200x76.0kg/m
- B40=H-400x200x65.4kg/m
- B35=H-350x175x49.4kg/m
- B25=H-250x250x71.8kg/m
- B25'=H-250x125x29.0kg/m
- B20=H-200x200x49.9kg/m
- B20'=H-200x100x20.9kg/m
- B10=H-100x100x16.9kg/m

RW1 = 8" thk; R.C Wall (5/8" @ 6" c/c Both Ways, Two Layers)

Level-1 Beam Plan

OWNER / APPLICANT

DAW HLA
 NO.1, A ROAD, AA WARD
 AAA TOWNSHIP

PROJECT

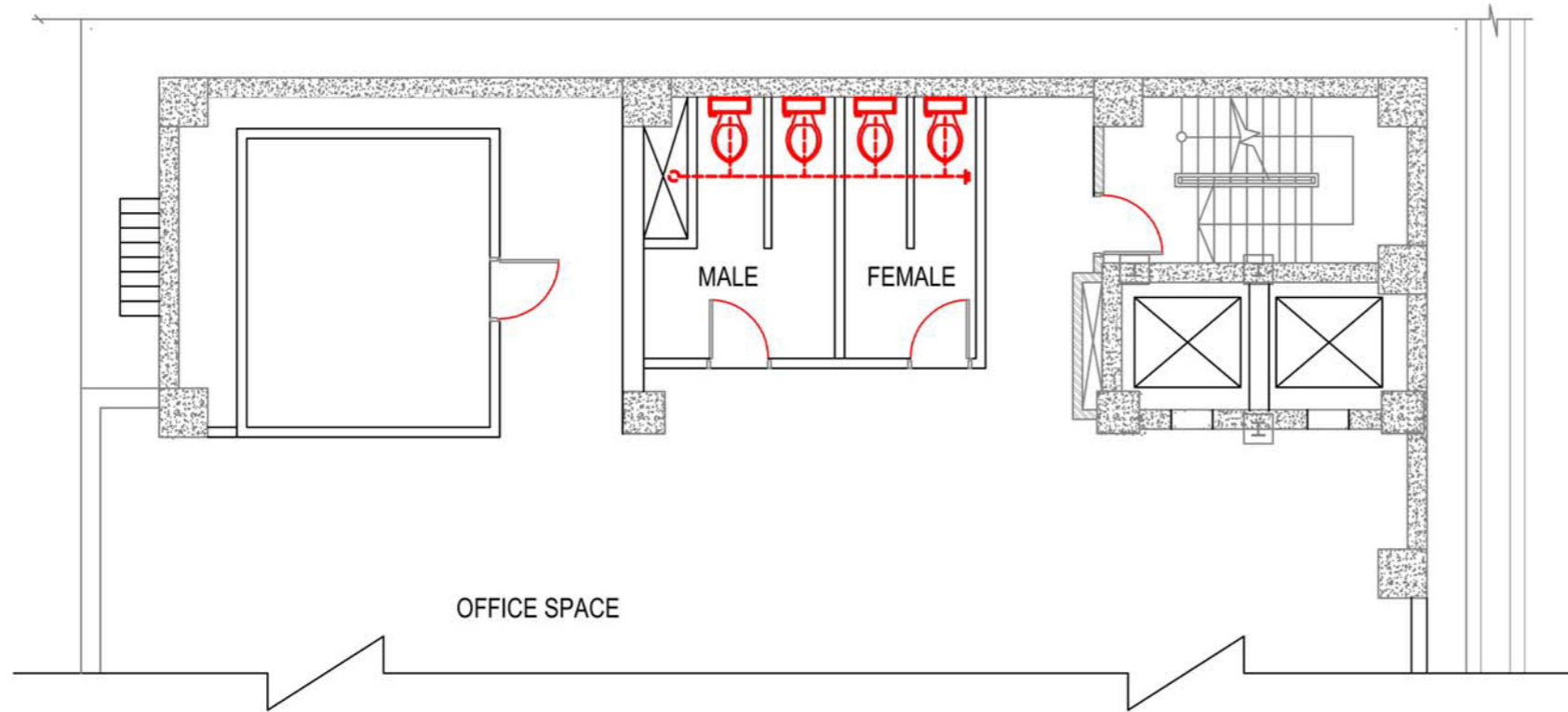
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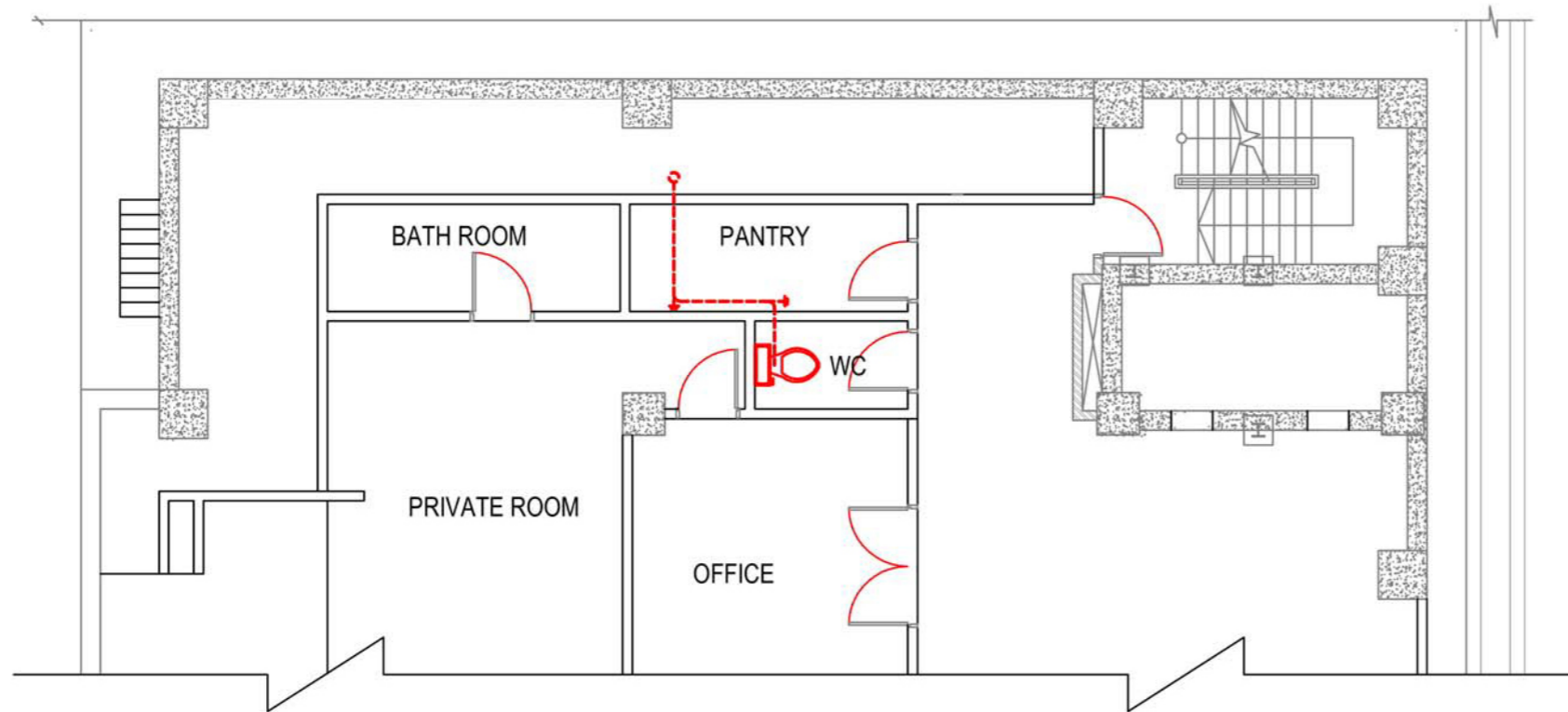
LOT NO

SCALE

1" = 8'.00"



PART OF FIRST to SEVENTH FLOOR PLAN



PART OF PENTH HOUSE FLOOR PLAN

OWNER / APPLICANT

DAW HLA
 NO.1, A ROAD, AA WARD,
 AAA TOWNSHIP

PROJECT

PROPOSED
 ()PE FOR m^3/day (Kubota/
 Daiki Axis/ Fuji Clean) AND
 SANITARY INSTALLATION.

BLOCK NO

LOT NO

SCALE

1" = 8'.00"



46th Street, AYA Bank Project

Date: 28.6.18

Design Data - Staff - 25 PE

- Guest - 90 PE

1 PE = 68 Lit/day (Toilet)

Influent BOD = 200 mg/L

Influent COD = 250 mg/L, Influent SS = 160 mg/L

Installed STP Capacity = 8m³/day (HCZ-40(D))

Calculation of wastewater capacity = 115 PE x 68 Lit/day = 7.82m³/day

(1) BOD Loading

BOD Load = 7.82 x 200 mg/L = 1.564 Kg/day

Actual Influent BOD = 1.564/8 = 195.5 mg/L

Kubota Johkasou Treatment - Reduce 90% of Influent BOD

Calculated value of Effluent BOD = 19.5 mg/L

(2) COD Loading

COD Load = 7.82 x 250 mg/L = 1.955 kg/day

Actual Influent COD = 1.955/8 = 244.375 mg/L

Kubota Johkasou Treatment - Reduce 80% of Influent COD

Calculated value of Effluent COD = 48.875 mg/L

(3) SS Loading

SS Load = 7.82 x 160 mg/L = 1.251 kg/day

Actual Influent SS = 1.251/8 = 156.375 mg/L

Kubota Johkasou Treatment - Reduce 87% of Influent SS

Calculated value of Effluent SS = 20.328 mg/L

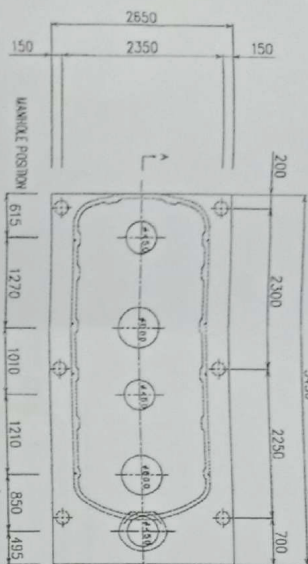
WM KUBOTA
Engineering

"a Wa Minn company"

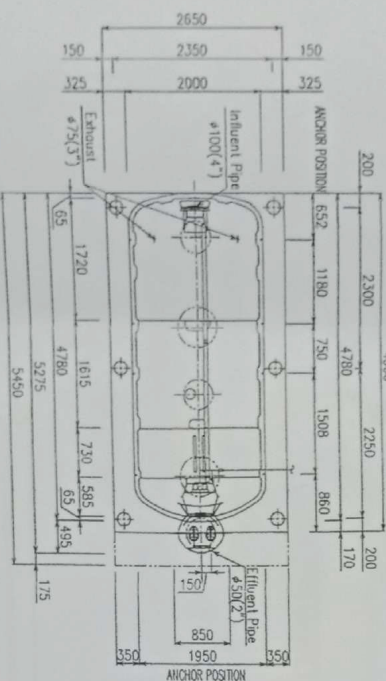
116 Thamine Station Road, 2 Quarter, Mayangone Township, Yangon, Myanmar.

Tel : (+959) 9660772, 9660412, 9661139 Fax : (951) 9660412, 9660772

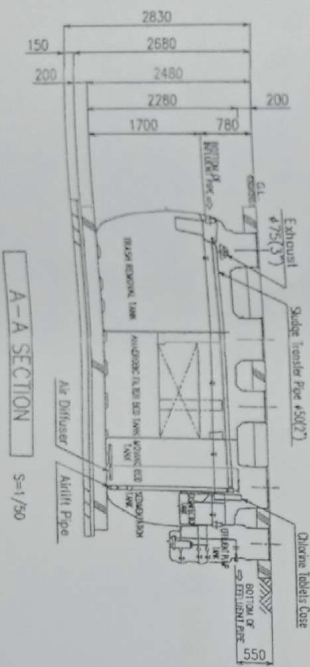
Email : admin@waminn.com



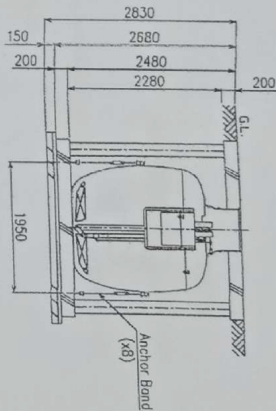
SLAB PLAN S=1/50



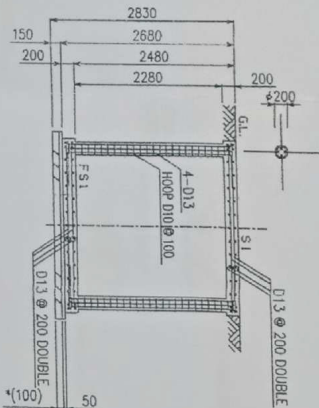
PLAN S=1/50



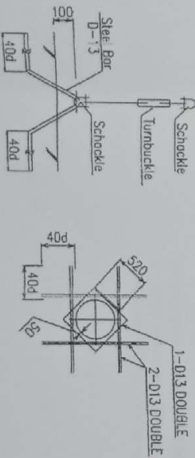
A-A SECTION S=1/50



B-B SECTION S=1/50



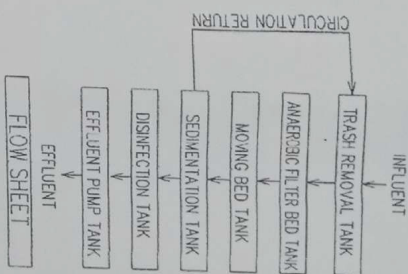
B-B RE-BAR SECTION S=1/50



ANCHOR DETAIL

RE-BAR ARRANGEMENT

* Anchor shall be included in Civil Work.
 (x8)

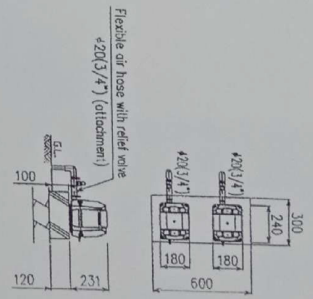
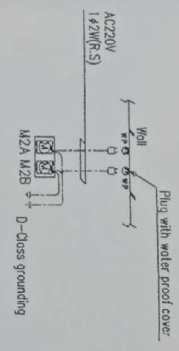
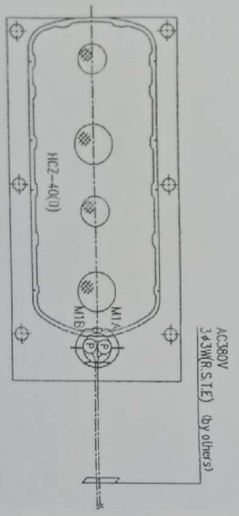
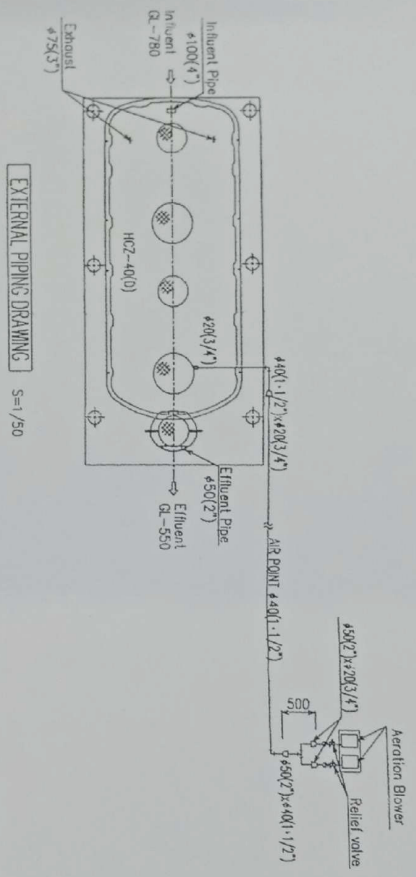


FLOW SHEET

MODEL	HC2-400		
TREATMENT METHOD	Horizontal Bed Moving Bed, Circulation Method		
DESIGN CAPACITY	8 m ³ /day		
BOD CONC.	200 mg/lit	20 mg/lit	90 %
COD CONC.	100 mg/lit	30 mg/lit	70 %
T-N CONC.	45 mg/lit	20 mg/lit	56 %
SS CONC.	160 mg/lit	15 mg/lit	91 %
EFFLUENT CAPACITY	(m ³)		
TRASH REMOVAL TANK	4.503		
MAAGREIC FILTER BED TANK	4.509		
MOVING BED TANK	2.054		
SEDIMENTATION TANK	1.046		
DISINFECTION TANK	0.105		
EFFLUENT PUMP TANK	0.151		
SPECIFICATION OF ELECTRICAL EQUIPMENT			
AERATION BLOWER	150W/1min. (0.02MPa) 110W	ZSET	2&2(MAG200)
EFFLUENT PUMP	150W/1min x 6.5m x 0.4kW	ZSET	3&3(MAG300)

SPECIAL REQUIREMENT	RE-BAR	CONCRETE
MATERIAL	CONCRETE	CONCRETE
RE-BAR	DIV. NUMBER DIM. ALL 400	FC-21-(R15)-20(25) HOMOGENEOUS LEAN CONCRETE, SMOOR CONCRETE WILL BE EC-3(BV/1mm ²) SHALL BE FOLLOWED BY CLASS. IF NOT SPECIFIED
* CONDITION OF GRAVEL THICKNESS	(100mm GRAVEL IN THIS DRAWING)	
SOIL	BRONKHOODINE	PEDES SAND
FOUNDATION KIND	N > 10	N < 10
FOUNDATION KIND	BRONKHOODINE	PEDES SAND
FOUNDATION KIND	GRAND SERVICE	GRAVEL
FOUNDATION KIND	1.00	1.00
FOUNDATION KIND	1.00	1.00
FOUNDATION KIND	1.00	1.00
FOUNDATION KIND	1.00	1.00
FOUNDATION KIND	1.00	1.00
FOUNDATION KIND	1.00	1.00

OTHERS
 - BEFORE START CONSTRUCTION, SOIL UNDERGROUND WATER LEVEL AND SOIL BEARING CAPACITY SHALL BE INVESTIGATED.
 - RAINING MATERIAL (E.A.V.) 300mm
 - T-6 TYPE



Symbol	Equipment Name	Power	V/V	Cable	Conduit Pipe	Pull Box
M1A	No.1 Effluent Pump	0.4 kW	1	CV2 ^ø -4"	22x1	☑
M1B	No.2 Effluent Pump	0.4 kW	1	CV2 ^ø -4"	22x1	
M2A	No.1 Aeration Blower	110W	1	CV2 ^ø -3"	22x1	
M2B	No.2 Aeration Blower	110W	1	CV2 ^ø -3"	22x1	

* Conduit pipe in central panel shall be coulted
 to prevent entering gas (Chlorine gas etc) into central panel.
 * The grounding (C type) shall be constructed properly.