

Appendix X: Updated Fire Services Installation Proposal

FIRE SERVICE NOTES :

1. A MODIFIED HOSE REEL SYSTEM WITH A 2,000 L F.S. TANK SHALL BE PROVIDED TO THE SUBJECT BUILDINGS IN ACCORDANCE WITH PARA. 5.14 OF THE CODE OF PRACTICE FOR MINIMUM FIRE SERVICE INSTALLATIONS AND EQUIPMENT 2012. HOSE REEL SHALL BE PROVIDED TO ENSURE THAT EVERY PART OF THE BUILDINGS WHERE CAN BE REACHED BY A LENGTH OF NOT MORE THAN 30M OF HOSE REEL TUBING.

- 1.1 HOSE REEL SHALL BE PROVIDED AT POSITIONS AS INDICATED ON PLANS.
- 1.2 NO FIRE SERVICE INLET TO BE PROVIDED FOR MODIFIED HOSE REEL SYSTEM.
- 1.3 TWO FIXED FIRE PUMPS (DUTY/STANDY) TO BE PROVIDED.

2. FIRE ALARM SYSTEM SHALL BE PROVIDED IN ACCORDANCE WITH BS 5839-1 : 2002 A2 : 2008 AND FSD CIRCULAR LETTERS NO. 1/2009 & 3/2010 & 2/2012. ONE ACTUATING POINT AND ONE AUDIO WARNING DEVICE TO BE LOCATED AT EACH HOSE REEL POINT. VISUAL ALARM SIGNALS TO BE PROVIDED. ACTUATING POINT SHALL INCLUDE FACILITIES FOR FIRE PUMP START AND AUDIO/VISUAL WARNING DEVICE INITIATION.

- 2.1 FIRE ALARM PANEL TO BE PROVIDED AND LOCATED INSIDE F.S. PUMP ROOM.

3. SUFFICIENT EMERGENCY LIGHTING WITH 2 HOURS BACK UP BATTERY TO BE PROVIDED TO THE BUILDINGS IN ACCORDANCE WITH BS 5266 : PART 1 AND BS EN 1838.

4. SUFFICIENT EXIT SIGN / DIRECTIONAL SIGN TO BE PROVIDED IN ACCORDANCE WITH BS 5266 : PART 1 AND FSD CIRCULAR LETTER NO. 5/2008.

5. FIRE EXTINGUISHERS SHALL BE PROVIDED AS INDICATED ON PLANS.

6. WHEN A VENTILATION/AIR CONDITIONING CONTROL SYSTEM TO THE AREAS/BUILDING IS REQUIRED TO BE PROVIDED, IT SHALL STOP MECHANICALLY INDUCED AIR MOVEMENT WITHIN A DESIGNATED FIRE COMPARTMENT.

7. AUTOMATIC SPRINKLER SYSTEM SHALL BE PROVIDED TO THE ENTIRE BUILDING/STRUCTURE IN ACCORDANCE WITH LPC RULES INCORPORATING BS EN12845 : 2015 AND FSD CIRCULAR LETTER 5/2020 EXCEPT E&M PLANT ROOMS. SPRINKLER SHALL NOT BE PROVIDED TO AREAS OF COVERED SHED AS THOSE ARE METAL STRUCTURE WITH 2 SIDES OPENING.

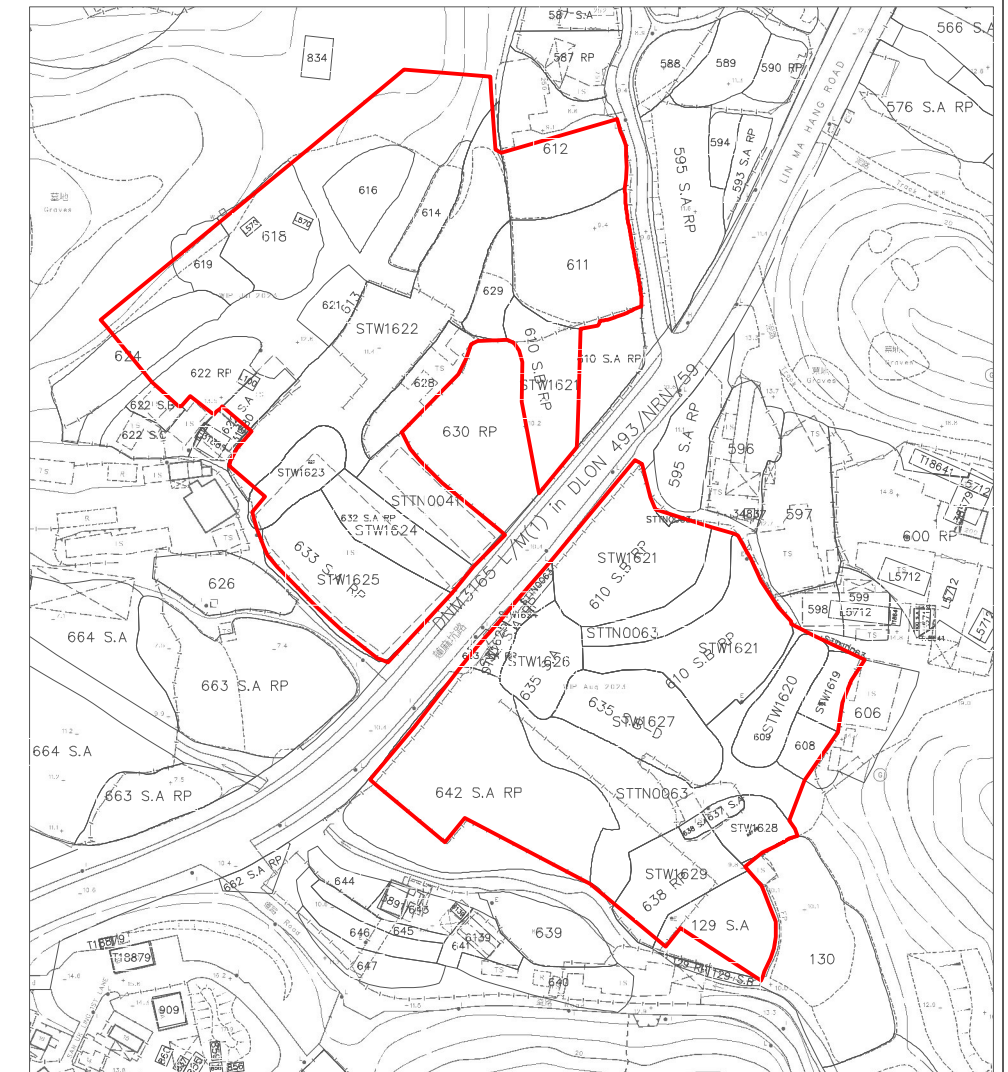
- 7.1 HAZARD CLASSIFICATION : OH3
- 7.2 STORED PRODUCTS AND CATEGORIES : CATEGORY (1)
- 7.3 STORAGE CONFIGURATION : FREE STANDING (ST1) & POST-PALLET STORAGE (ST2)
- 7.4 STORAGE HEIGHT NOT EXCEEDING : 4M & 3.5M
- 7.5 STORAGE SHOULD BE CONFINED TO BLOCKS NOT EXCEEDING 50 SQ M. IN PLAN AREA FOR CATEGORY I.
- 7.6 STORAGE BLOCKS SHOULD BE SEPARATED BY AISLES NO LESS THAN 2.4M WIDE.
- 7.7 ONE NUMBER 135,000 LITRES SPRINKLER WATER TANK TO BE PROVIDED AS INDICATED ON PLANS.
- 7.8 SPRINKLER PUMPS, SPRINKLER CONTROL VALVES AND SPRINKLER INLETS SHALL BE PROVIDED AS INDICATED ON PLANS.

8. SECONDARY SOURCE OF POWER SUPPLY FOR FIRE SERVICE INSTALLATIONS TO BE PROVIDED BY CONNECTION BEFORE THE MAIN SWITCH WITH AUTOMATIC CHANGE-OVER DEVICE AND SATISFACTION OF THE DIRECTOR OF FIRE SERVICES.

9. SMOKE EXTRACTION SYSTEM SHALL NOT BE PROVIDED WHEREAS THE AGGREGATE AREA OF OPENABLE WINDOWS OF THE COMPARTMENT EXCEEDS 6.25% OF THE FLOOR AREA OF THAT COMPARTMENT IN WAREHOUSES.



SITE LOCATION PLAN
SCALE 1:2000



LAND STATUS PLAN
SCALE 1:2000

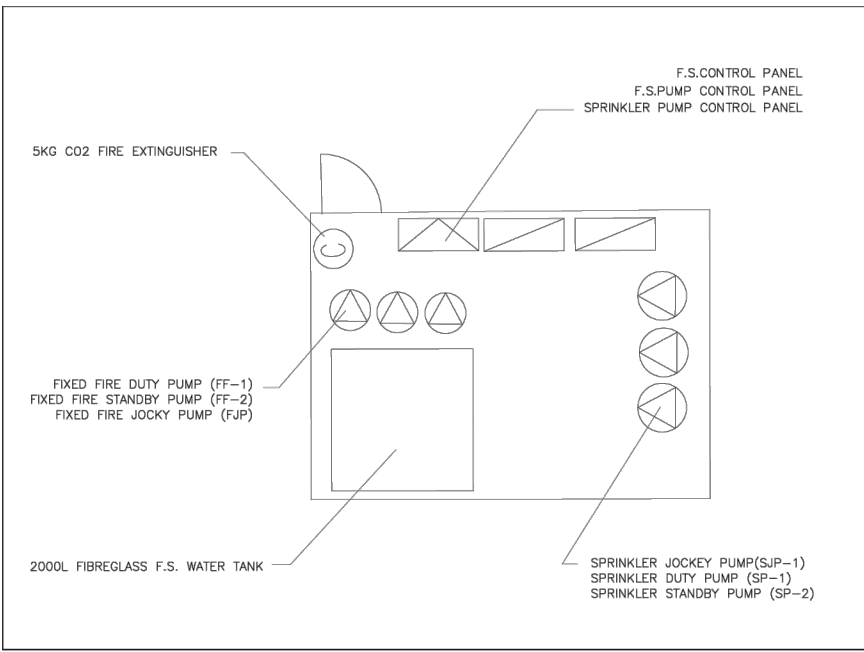
LEGEND	
	COVERED SHED
	METAL GATE
	FIRE ALARM BELL
	VISUAL FIRE ALARM
	MANUAL FIRE ALARM CALL POINT (BREAK GLASS TYPE)
	EXIT SIGN
	SLIDING DOOR
	HOSE REEL SET
	FIXED FIRE PUMP
	SPRINKLER CONTROL VALVE
	F.S.CHECK METER POSITION
	SPRINKLER INLET
	SMC CO2 FIRE EXTINGUISHER
	9L W/ CO2 FIRE EXTINGUISHER
	F.S.CONTROL PANEL
	F.S.PUMP STARTER CONTROL PANEL
	PEDESTAL HYDRANT (FRESH)
	FOLDING DOOR
	SAND BUCKET



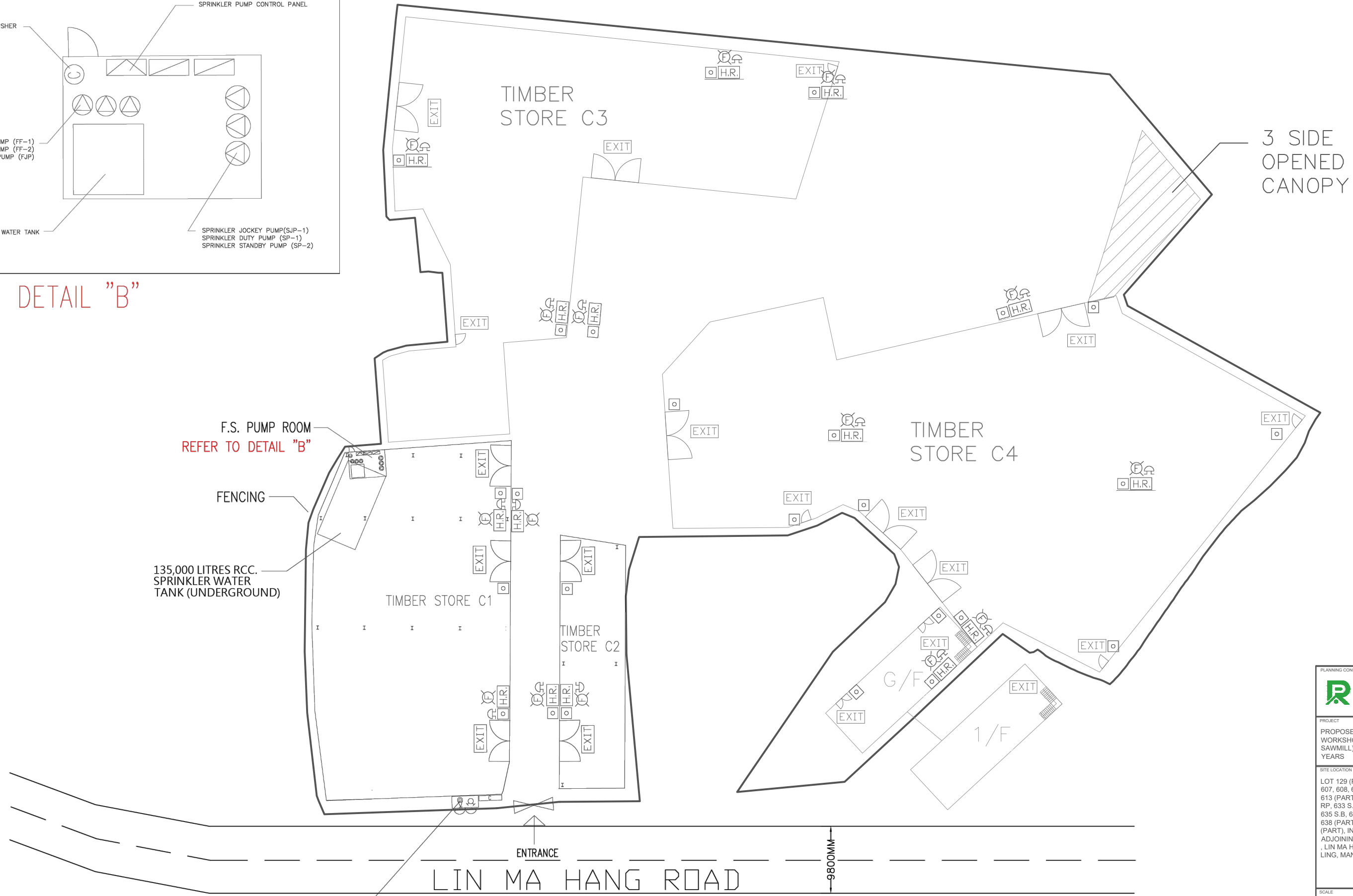
PROPOSED TEMPORARY RURAL WORKSHOP (TIMBER YARD AND SAWMILL) FOR A PERIOD 3 YEARS

SITE LOCATION
LOT 129 (PART) IN D.D. 86, LOTS 607, 608, 609, 610 S.B RP (PART), 613 (PART), 627 (PART), 632 S.A RP, 633 S.A RP (PART), 635 S.A, 635 S.B, 635 S.C, 635 S.D, 637, 638 (PART), AND 642 S.A RP (PART), IN D.D. 90 AND ADJOINING GOVERNMENT LAND, LIN MA HANG ROAD, SAN UK LING, MAN KAM TO

SCALE	
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OL	11.03.2024
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DETAIL "B"



SPRINKLER CONTROL VALVE
 SPRINKLER INLET
 F.S.CHECK METER POSITION

PLANNING CONSULTANT	
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SCALE	
1 : 550 @ A3	
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LIN MA HANG ROAD

9800MM

ENTRANCE

PH(F)8173

FENCING

TIMBER STORE B1

SPRINKLER CONTROL VALVE
SPRINKLER INLET
F.S.CHECK METER POSITION

135,000 LITRES RCC.
SPRINKLER WATER
TANK (UNDERGROUND)

F.S. PUMP ROOM
REFER TO DETAIL "A"

TIMBER STORE B2

TIMBER STORE A

F.S.CONTROL PANEL
F.S.PUMP CONTROL PANEL
SPRINKLER PUMP CONTROL PANEL

5KG CO2 FIRE EXTINGUISHER

FIXED FIRE DUTY PUMP (FF-1)
FIXED FIRE STANDBY PUMP (FF-2)
FIXED FIRE JOCKY PUMP (FJP)

SPRINKLER JOCKY PUMP(SJP-1)
SPRINKLER DUTY PUMP (SP-1)
SPRINKLER STANDBY PUMP (SP-2)

2000L FIBREGLASS F.S. WATER TANK

CANOPY

TURNAROUND AND
WAITING AREA

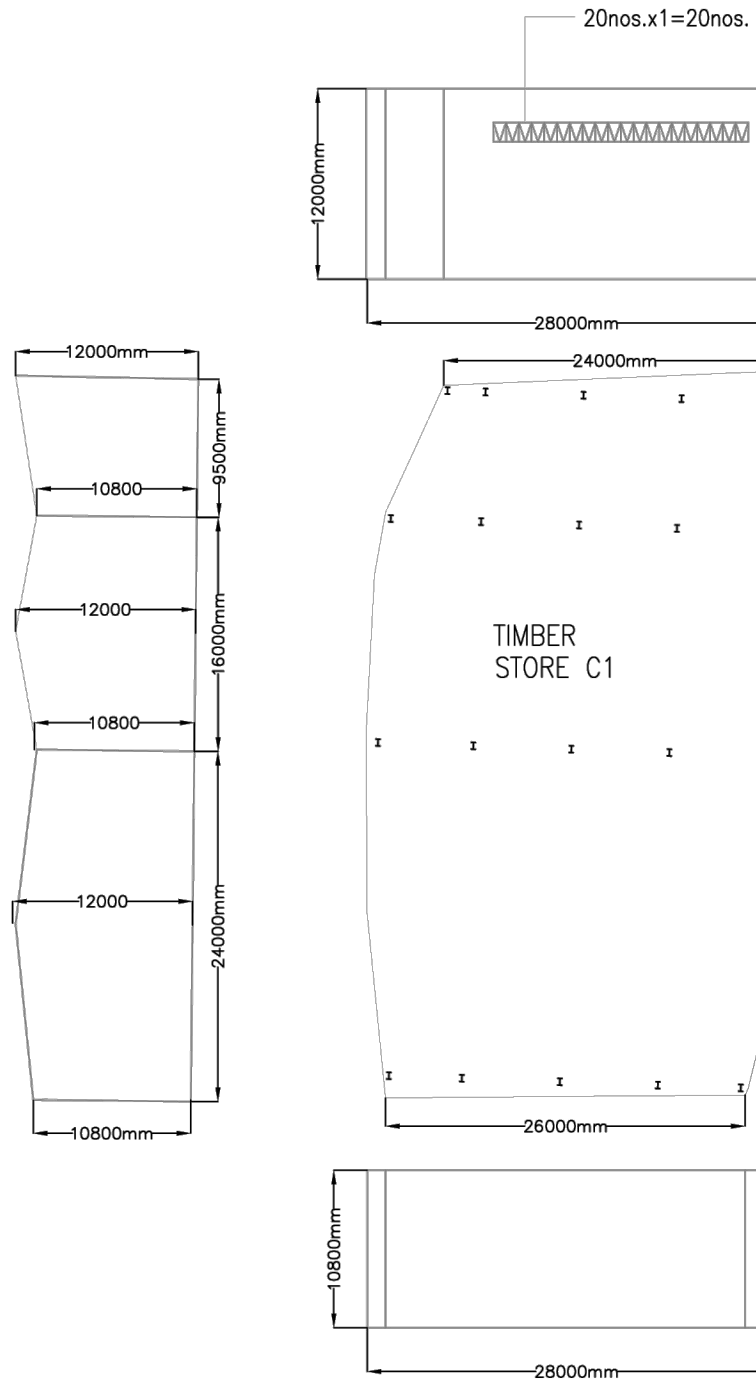
TIMBER STORE B3

CAR PARK AREA

TIMBER STORE B4

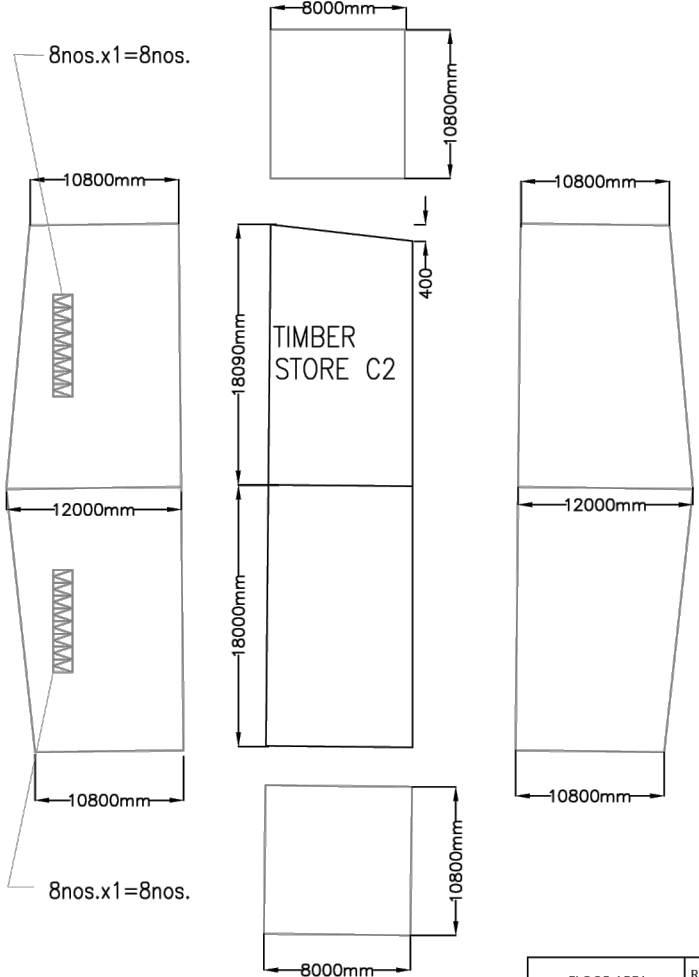
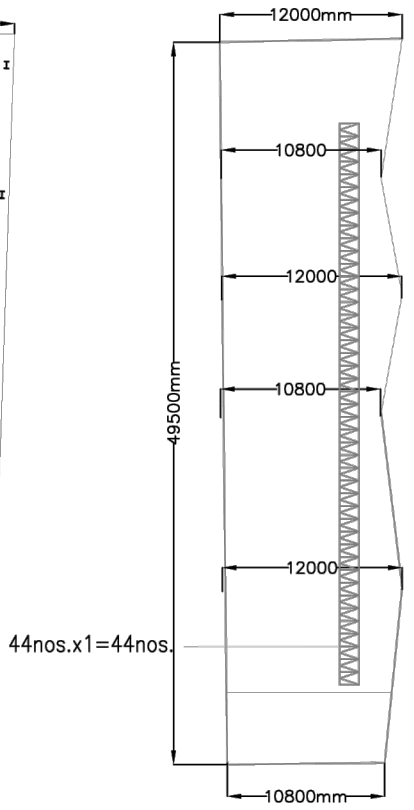
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FLOOR AREA	REQUIRED OPENABLE WINDOWS
STORE-C1	1,386M ² X 6.25% = 86.63 M ²
TOTAL :	1,386M² X 6.25% = 86.63 M²

PROVIDED OPENABLE WINDOWS
1M X 1.5M = 1.5 M ² X 64 = 96M ²
TOTAL :
96 M²



FLOOR AREA	REQUIRED OPENABLE WINDOWS
STORE-C2	288.8 M ² X 6.25% = 18.05 M ²
TOTAL :	288.8 M² X 6.25% = 18.05 M²

PROVIDED OPENABLE WINDOWS
1M X 1.5M = 1.5 M ² X 16 = 24M ²
TOTAL :
24 M²

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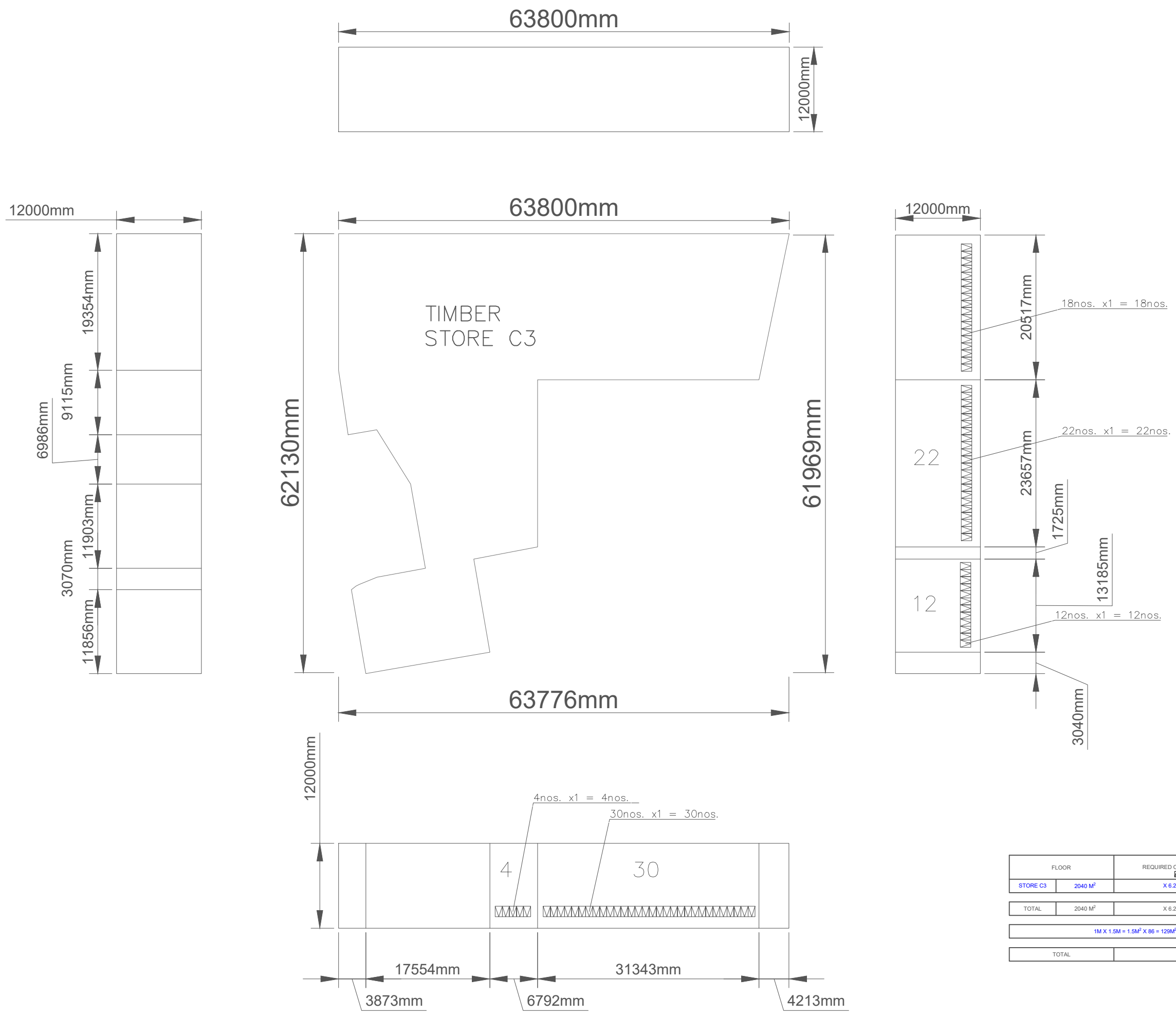
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FLOOR	REQUIRED OPENABLE WINDOWS
STORE C3	2040 M ² X 6.25% = 127.5 M ²
TOTAL	2040 M ² X 6.25% = 127.5 M ²
1M X 1.5M = 1.5M ² X 86 = 129M ²	
TOTAL	129 M ²

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R-Riches
Property Consultants Ltd.

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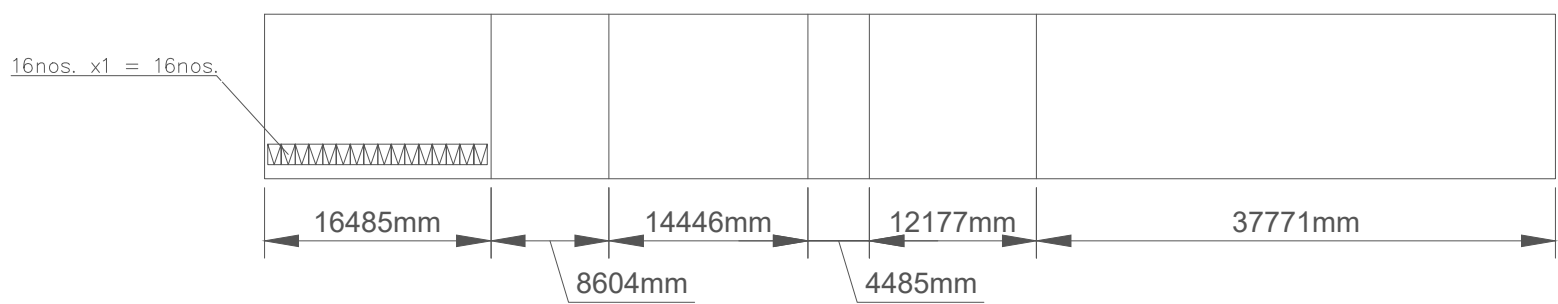
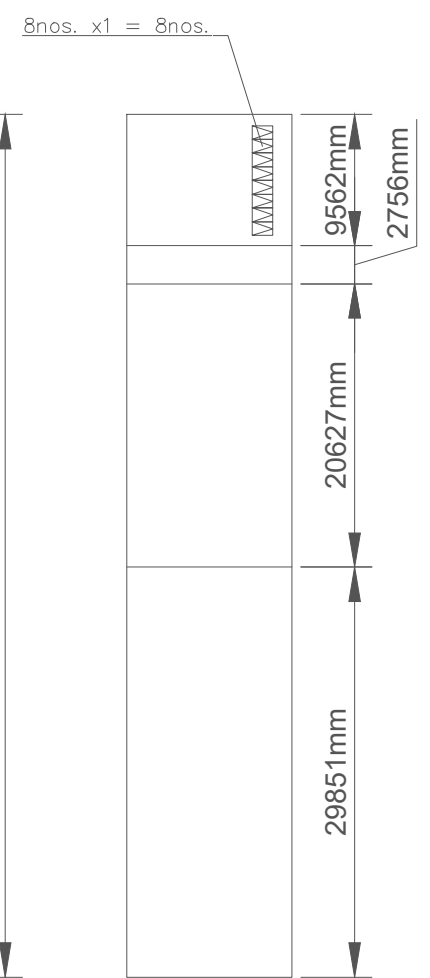
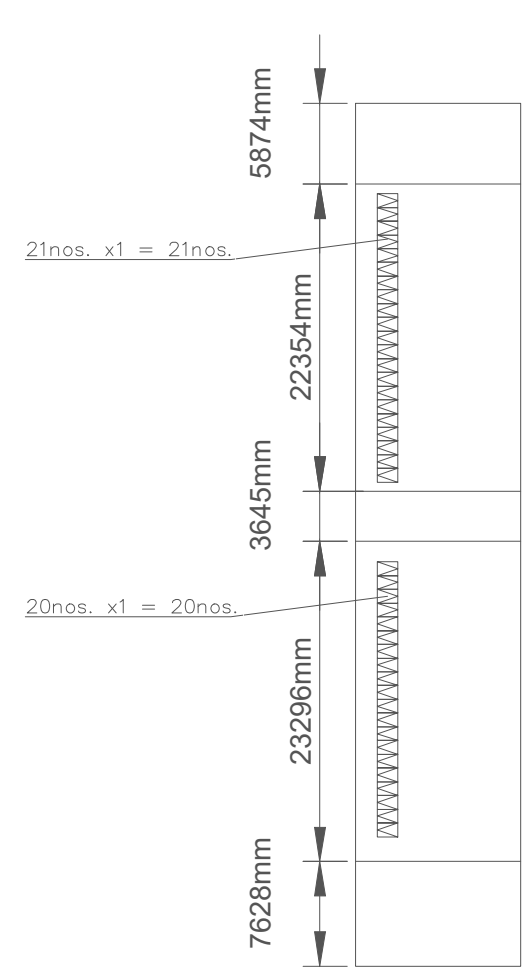
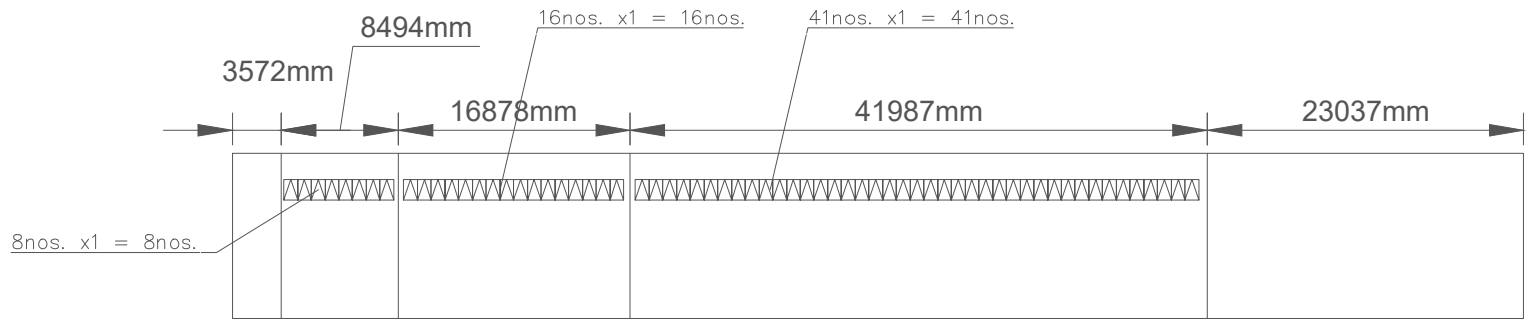
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FLOOR	REQUIRED OPENABLE WINDOWS	
STORE C4	3101 M ²	X 6.25% = 193.8 M ²
TOTAL	3101 M ²	X 6.25% = 193.8 M ²
1M X 1.5M = 1.5M ² X 130 = 195 M ²		
TOTAL	195 M ²	

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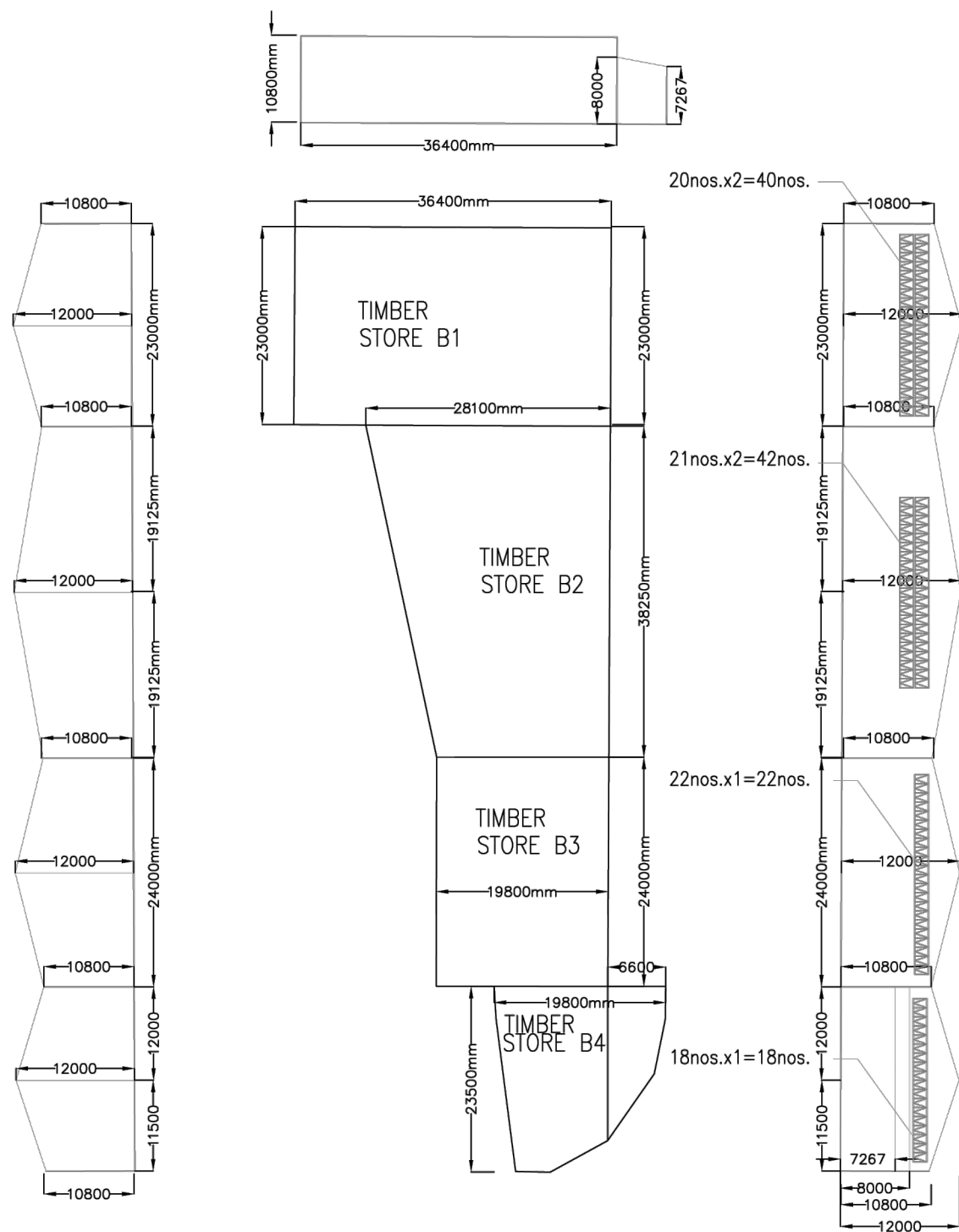
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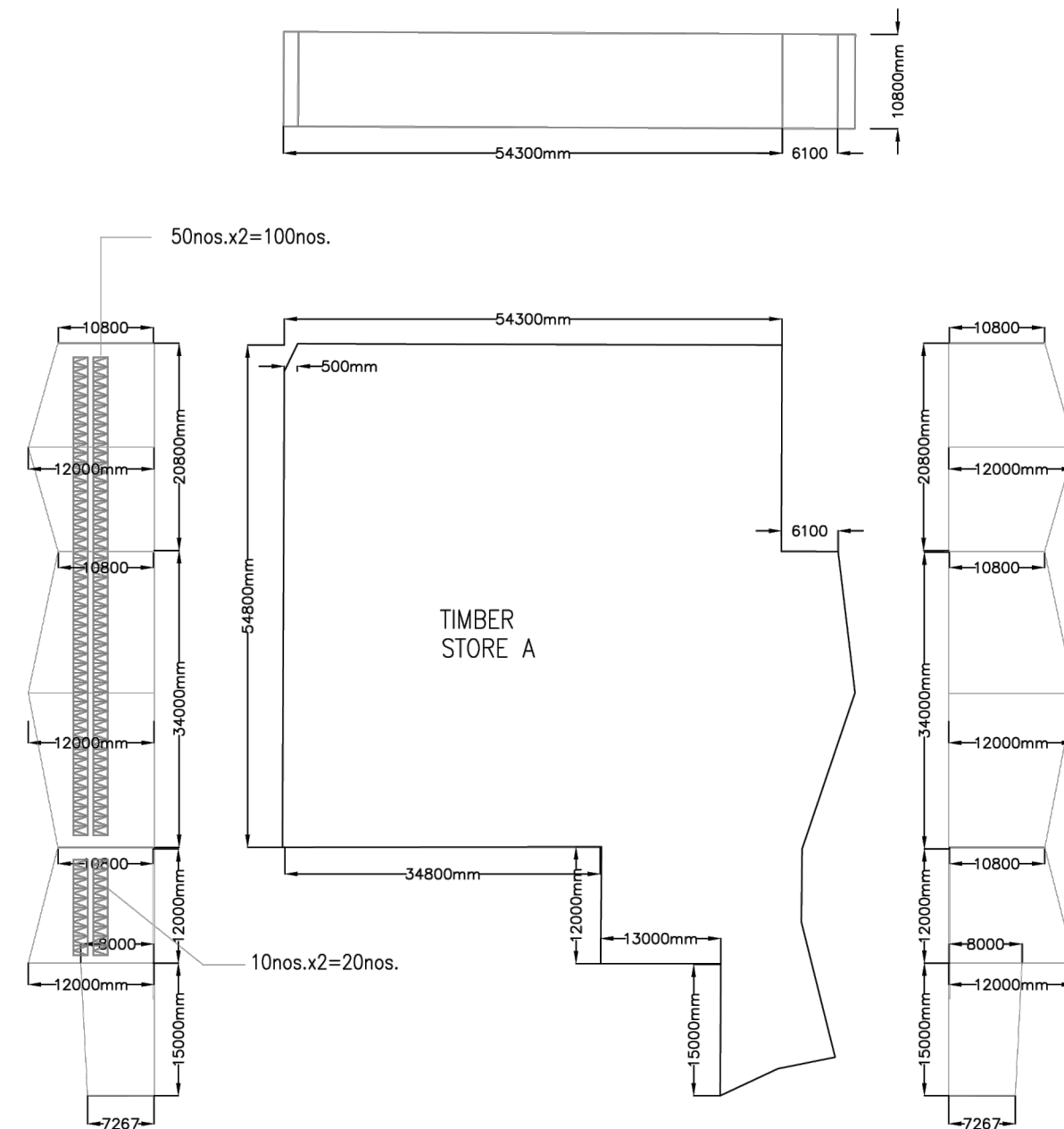


FLOOR AREA	REQUIRED OPENABLE WINDOWS
STORE-B1 837.2 M ²	X 6.25% = 52.33 M ²
STORE-B2 914.2 M ²	X 6.25% = 57.14 M ²
STORE-B3 475.2 M ²	X 6.25% = 29.7 M ²
STORE-B4 387.8 M ²	X 6.25% = 24.3 M ²

TOTAL:	2,614.4 M ²	X 6.25% = 163.47 M ²
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PROVIDED OPENABLE WINDOWS
1M X 1.5M = 1.5 M ² X 40 = 60M ²
1M X 1.5M = 1.5 M ² X 42 = 63M ²
1M X 1.5M = 1.5 M ² X 22 = 33M ²
1M X 1.5M = 1.5 M ² X 18 = 27M ²

TOTAL:	183 M ²
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FLOOR AREA	REQUIRED OPENABLE WINDOWS
STORE - A 3,679.3M ²	X 6.25% = 229.96 M ²

TOTAL:	3,679.3M ²	X 6.25% = 229.96 M ²
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PROVIDED OPENABLE WINDOWS
1M X 1.5M = 1.5 M ² X 176 = 264M ²

TOTAL:	264 M ²
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