

GENERAL NOTES

APPROVAL

1.0 GENERAL

1.1 ALL DIMENSIONS ARE IN MILLIMETERS AND LEVELS IN METERS UNLESS OTHERWISE SPECIFIED.

1.2 WORK TO FIGURED DIMENSIONS. DO NOT SCALE THE DRAWINGS.

1.3 ALL STRUCTURAL DRAWINGS SHALL BE READ IN CONJUNCTION WITH RELEVANT ARCHITECTURAL, MEP, SERVICES AND LANDSCAPE DRAWINGS & SPECIFICATIONS.

1.4 REFER TO ARCHITECTURAL, MECHANICAL AND ELECTRICAL DRAWINGS FOR LOCATIONS OF PITS BASES, SUMPS, TRENCHES, DEPRESSIONS, GROOVES, CURBS, CHAMFERS AND SLOPES NOT SHOWN ON STRUCTURAL DRAWINGS.

1.5 ANY DISCREPANCY NOTED SHALL BE BROUGHT TO THE NOTICE OF THE ENGINEER BEFORE COMMENCING THE WORK. THE CONTRACTOR IS FULLY RESPONSIBLE FOR DEVELOPING CONSTRUCTION METHOD AND MEANS.

1.6 PRECAUTION SHOULD BE TAKEN TO PREVENT WATERPROOFING FROM DAMAGE DURING SUB-STRUCTURE CONCRETE WORKS

1.8 ALL SPECIFIED LOADS ARE SERVICE (UNFACTORED) LOADS UNLESS OTHERWISE NOTED. LIVE (IMPOSED) LOADS FOR EACH PORTION OF THE STRUCTURE ARE SHOWN AND ARE NOT TO BE EXCEEDED DURING CONSTRUCTION.

1.9 NO OPENINGS OR SLEEVES OTHER THAN THOSE SHOWN ON THE STRUCTURAL DRAWINGS SHALL BE MADE THROUGH SLABS, BEAMS OR BEARING WALLS UNLESS PRIOR APPROVAL IS OBTAINED FROM THE ENGINEER.

1.10 THE CONTRACTOR SHALL PRODUCE SHOP DRAWINGS AND SCHEDULES AS NECESSARY FOR COMPLETION OF THE WORKS AND RECORD DRAWINGS OF THE AS BUILT WORKS, ALL FOR THE ENGINEER'S APPROVAL.

2.0 DESIGN CRITERIA

2.1 STANDARDS AND LOADS

2.1.1 THE CONCRETE DESIGN IS BASED ON ACI-318-05 AND ALL OTHER RELEVANT ACI CODES.

2.1.2 LIVE LOADS ARE BASED ON UNIFORM BUILDING CODE USC (1997) OR EMPLOYER REQUIREMENTS AND ARE AS FOLLOWS:

PARKING & CIRCULATION AREA 500 KG/M2

LOADING AREA1500 KG/M2

COMMERCIAL AREA 500 KG/M2

TECHNICAL AREA 500 KG/M2

OFFICE AREA 250 KG/M2

STAIRS 500 KG/M2

2.1.3 SUPERIMPOSED DEAD LOADS ADOPTED WHERE NOT ACCURATELY COMPUTED:

PARTITION (light weight) 100 KG/M2

TILING 250 KG/M2

FALSE CEILING, E/M INSTALLATIONS 100 KG/M2

2.1.4 WIND LOADS (ASCE 7-07) :

SPEED 160 Km/Hr

EXPOSURE B

3.0 CONCRETE

3.1 MODERATE SULPHATE RESISTING CEMENT ASTM TYPE II, SHALL BE USED FOR ALL CONCRETE WORK IN THE SUBSTRUCTURE INCLUDING GROUND SLAB ACCORDING TO THE SPECIFICATION.

MAXIMUM SIZE OF AGGREGATE SHALL BE 20mm

3.2 ORDINARY PORTLAND CEMENT AND IN SPECIFIED QUANTITIES SHALL BE USED FOR ALL SUPERSTRUCTURE CONCRETE.

3.3 LIGHT WEIGHT CONCRETE SHALL HAVE A MAXIMUM DENSITY OF 600 KG/M3 UNLESS OTHERWISE NOTED.

3.4 UNLESS OTHERWISE NOTED, THE MINIMUM CHARACTERISTIC 28 DAYS CYLINDER CRUSHING STRENGTH OF CONCRETE SHALL BE AS FOLLOWS :

a) BLINDING, CONCRETE FOR CAVITY FILLING PURPOSES, CONCRETE ENCASEMENT OR BEDDING OF PIPES 14 MPa

b) NORMAL WEIGHT SCREEDS AND TOPPING 25 MPa

c) COLUMNS & SHEAR,RETAINING WALLS 30 MPa

d) BEAMS, & ORDINARY SLABS 25 MPa

e) POST TENSIONED SLABS 25 MPa

f) RAFT FOUNDATION 25 MPa

g) ALL OTHER CONCRETE 25 MPa

3.5 ALL CONCRETE MUST BE DEPOSITED,VIBRATED AND CURED IN ACCORDANCE WITH ACI STANDARD

3.6 USE WATERPROOFING ADMIXTURES IN THE MIX DESIGN OF THE FOUNDATIONS CONCRETE. SUBMIT MIX DESIGN ACCORDINGLY.

3.7 CONCRETE MIXES SHALL COMPLY WITH ACI 201.2 FOR DURABILITY REQUIREMENTS.

4.0 FORMWORK

4.1 FORMS SHALL RESULT IN A FINAL STRUCTURE THAT CONFORMS TO SHAPES , LINES, AND DIMENSIONS OF THE MEMBERS AS REQUIRED BY THE DESIGN DRAWINGS AND SPECIFICATIONS

4.2 FORMS SHALL BE SUBSTANTIAL AND SUFFICIENTLY TIGHT TO PREVENT LEAKAGE OF MORTAR

4.3 FORMS SHALL BE PROPERLY BRACED OR TIED TOGETHER TO MAINTAIN POSITION AND SHAPE

4.4 FORMS AND THEIR SUPPORTS SHALL BE DESIGNED SO AS NOT TO DAMAGE PREVIOUSLY PLACED STRUCTURE

4.5 FORMWORK SHALL COMPLY WITH THE REQUIREMENTS OF "GUIDE TO FORMWORK OF CONCRETE" ACI 347.

4.5 NO CONSTRUCTION LOADS SHALL BE SUPPORTED ON , NOR ANY SHORING REMOVED FROM , ANY PART OF THE STRUCTURE UNDER CONSTRUCTION EXCEPT WHEN THAT PORTION OF THE STRUCTURE IN COMBINATION WITH THE REMAINING FORMING AND SHORING SYSTEM HAS SUFFICIENT STRENGTH TO SUPPORT SAFELY ITS WEIGHT AND LOADS PLACED THEREON

4.6 EXCEPT STATED OTHERWISE AND DEPENDING ON THE CURING METHOD AND THE NATURE OF THE ELEMENT, FORMWORK SHALL BE REMOVED:

1-FOUNDATIONS	1 DAY
2-COLUMNS & WALLS	2 DAYS
3-BEAMS & GIRDERS	21 DAYS
4-SLABS	14 DAYS

5.0 REINFORCING STEEL

5.1 ALL REINFORCING STEEL SHALL CONFORM TO ASTM 615M HAVING A MINIMUM YIELD STRENGTH OF 420MPa
ALL MILD STEEL REINFORCEMENT SHALL CONFORM TO ASTM A 615 (Fy=240 MPa)

5.2 ALL WELDED WIRE FABRIC SHALL CONFORM TO ASTM A497 HAVING A MINIMUM YIELD STRENGTH OF 420 MPa.

5.3 ALL BAR SIZES ARE IN MILLIMETERS.

5.4 BARS INDICATED BY DOTTED LINE SHALL BE AT TOP OF SLAB.

5.5 REINFORCEMENT DETAILS SHOWN ARE INDICATIVE FOR THE PREPARATION OF THE CONTRACTOR'S WORKING DRAWINGS.

5.6 ALL REINFORCING STEEL SHALL BE SECURELY WIRED IN PLACE BEFORE CONCRETE IS PLACED ACCORDING TO "CRSI" REQUIREMENTS.

5.7 STEEL SHALL BE CLEAN AND FREE FROM MILL SCALE, RUST, PAINT, GREASE AND ANY HARMFUL SUBSTANCES.

5.8 DEVELOPMENT & SPLICE LENGTHS IN TENSION FOR REINFORCING BARS IN SLAB & COLUMNS AND WALLS SHALL BE AS PER ACI-318 , REFER TO TABLES BELOW:

TABLE -1

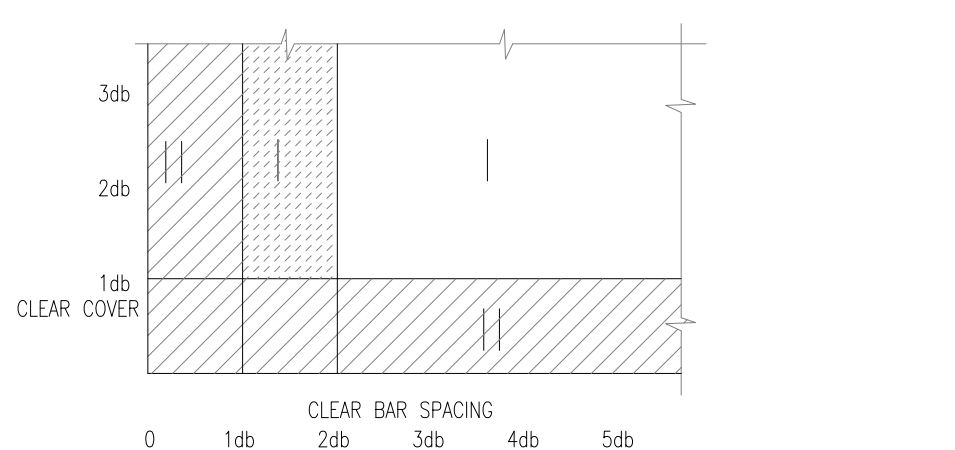
DEVELOPMENT LENGTH RATIO (ld/db) IN TENSION									
BAR DIA	fcu	26Mpa		35Mpa		45Mpa		55Mpa	
		OTHER BAR	TOP BAR	OTHER BAR	TOP BAR	OTHER BAR	TOP BAR	OTHER BAR	TOP BAR
		CATEGORY							
10mm TO 18mm	I	44	57	38	49	34	44	31	40
	II	66	86	57	74	51	66	46	60
20mm TO 32mm	I	55	72	47	61	42	55	39	51
	II	82	107	71	92	64	83	58	75

TABLE -2

SPLICE LENGTH RATIO (SPLICE/db) IN TENSION									
BAR DIA	fcu	26Mpa		35Mpa		45Mpa		55Mpa	
		OTHER BAR	TOP BAR	OTHER BAR	TOP BAR	OTHER BAR	TOP BAR	OTHER BAR	TOP BAR
		CATEGORY							
10mm TO 18mm	I	57	74	49	64	44	57	40	52
	II	86	112	74	96	66	86	60	78
20mm TO 32mm	I	72	93	61	79	55	72	51	66
	II	107	139	92	120	83	108	75	98

NOTES : 1. SEE CATEGORY CHART FOR CATEGORY I & II.

2. ld IS THE DEVELOPMENT LENGTH
db IS THE DIAMETER OF BAR.
SPLICE IS THE SPLICE LENGTH.



CATEGORY CHART

CATEGORY I

CLEAR SPACING ≥db

CLEAR COVER ≥db

OR

CODE MINIMUM STIRRUPS OR TIES THROUGHOUT ld

OR

CLEAR SPACING ≥2db

CLEAR COVER ≥db

CATEGORY II

ALL OTHER CASES.

* TOP BARS ARE THOSE WHICH HAVE 300MM OR MORE OF CONCRETE UNDER THEM. REST ARE OTHER BARS.

* WHEN BARS ARE BUNDLED, INCREASE THE LAP BY 20% FOR 3 BAR BUNDLE, 33% FOR 4 BAR BUNDLE.

* MINIMUM DEVELOPMENT SHALL BE 300MM.

* MINIMUM SPLICE FOR WELDED FABRIC SHALL BE 200MM.

TABLE - 3				
DEVELOPMENT LENGTH RATIO (l_d/db) IN COMPRESSION				
BAR DIA \ f_{cu}	26	35	45	55
8mm → 32mm	23	20	18	17

DEVELOPMENT LENGTH IN COMPRESSION SHALL BE $\geq 200mm$

MINIMUM TENSION EMBEDMENT LENGTH L_{dh} ,
FOR STANDARD END HOOKS

TABLE-3					
STANDARD HOOK LENGTH RATIO (l_{dh}/db) IN TENSION					
BAR DIA \ f_{cu}	26Mpa	35Mpa	45Mpa	55Mpa	
8mm TO 32mm	22	19	17	16	

5.8 TEMPERATURE REINFORCEMENT FOR CONCRETE SLABS

- UNLESS OTHERWISE NOTED PROVIDE TEMPERATURE REINFORCEMENT IN CONCRETE SLABS, COVER SLABS & TOPPINGS AS SHOWN IN THE TABLE.
- UNLESS OTHERWISE NOTED, PLACE TEMPERATURE REINFORCEMENT PERPENDICULAR TO MAIN REINFORCEMENT IN ONE WAY SLABS. WHERE MAIN REINFORCEMENT CONSISTS OF TOP AND BOTTOM BARS, PLACE TEMPERATURE REINFORCEMENT ALTERNATIVELY AT TOP AND BOTTOM.
- UNLESS OTHERWISE NOTED, PROVIDE WELDED WIRE FABRIC IN FLAT SHEETS.
- UNLESS OTHERWISE NOTED, PLACE WELDED WIRE FABRIC WITH 25 MM TOP COVER, LAP RE-BARS WITH TENSION LAP SPLICE, LAP ENDS OF WELDED WIRE FABRIC SUCH THAT THE OVERLAP MEASURED BETWEEN OUTERMOST CROSS WIRES OF EACH FABRIC SHEET SHALL NOT BE LESS THAN ONE SPACING OF CROSS WIRE PLUS 50 MM.
- UNLESS OTHERWISE NOTED, PROVIDE MINIMUM REINFORCEMENT IN SLABS
 $A_s = 0.0020 A_g$

5.9 FOR ALL SILLS AND LINTELS BETWEEN COLUMNS AND NOT SUPPORTED BY A WALL , PROVIDE DOWELS IN THE COLUMN OF SAME SIZE AND NUMBER AS THE REINFORCEMENT OF THE LINTEL OR SILL. THESE DOWELS SHALL EXTEND 50 BAR DIA. FROM THE FACE OF THE COLUMN AND SHALL BE EMBEDDED 50 BAR DIA. IN THE COLUMN

SCHEDULE OF LINTELS REINFORCEMENT (MASONRY WALLS)								
LINTEL WIDTH wb	b=10cm.		b=15cm.		b=20cm. TO 25cm.		b=25cm TO 30cm.	
CLEAR SPAN	TOP REINF.	BOTTOM REINF.	TOP REINF.	BOTTOM REINF.	TOP REINF.	BOTTOM REINF.	TOP REINF.	BOTTOM REINF.
< 200	1T10	1T14	2T10	2T12	2T10	2T12	3T10	3T12
200–300	1T10	1T16	2T10	2T14	2T10	2T16	3T10	3T16
301–400	1T10	1T20	2T10	2T16	2T10	2T20	3T10	3T20
401–500	1T10	1T20	2T10	2T16	2T10	2T20	3T10	3T20
501–600	1T10	1T20	2T10	2T16	2T10	2T20	3T10	3T20
601–700	1T10	1T20	2T10	2T16	2T10	2T20	3T10	3T20

LINTEL WIDTH wb	b=10cm.		b=15cm.		b=20cm. TO 25cm.		b=25cm TO 30cm.		DEPTH=d
CLEAR SPAN	TOP REINF.	BOTTOM REINF.	TOP REINF.	BOTTOM REINF.	TOP REINF.	BOTTOM REINF.	TOP REINF.	BOTTOM REINF.	
< 200	1T10	1T14	2T10	2T12	2T10	2T12	3T10	3T12	20
200–300	1T10	1T16	2T10	2T14	2T10	2T16	3T10	3T16	25
301–400	1T10	1T20	2T10	2T16	2T10	2T20	3T10	3T20	30
401–500	1T10	1T20	2T10	2T16	2T10	2T20	3T10	3T20	40
501–600	1T10	1T20	2T10	2T16	2T10	2T20	3T10	3T20	50
601–700	1T10	1T20	2T10	2T16	2T10	2T20	3T10	3T20	50

5.0 CONCRETE COVER TO REINFORCEMENT

5.1 CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH. 7.5 cm

5.2 CONCRETE EXPOSED TO WEATHER 5.0 cm

5.3 UNEXPOSED CONCRETE FOR BEAMS & COLUMNS 4.0 cm

5.4 UNEXPOSED CONCRETE FOR SLABS, WALLS 3.0 cm

6.0 SOIL DATA AND WATER TABLE

6.1 AT THE DATE OF ELABORATION OF THIS REPORT NO SOIL INVESTIGATION REPORT WAS AVAILABLE.

6.2 IN CASE, IN ANY LOCATION AT THE FOUNDATION LEVEL, VERY WEAK SHELLY OR FRACTURED LOCAL AREAS ARE ENCOUNTERED, THEY SHOULD BE TOTALLY EXCAVATED, REMOVED AND REPLACED WITH PLAIN CONCRETE.

6.3 FOUNDATION ON BACKFILL IS NOT ALLOWED. BACKFILL AND FILL NEXT TO FOOTINGS, FOUNDATIONS, UNDER SUBFLOORS ETC. SHALL BE AS APPROVED BY THE ENGINEER AND SHALL BE LAID IN LAYERS NOT EXCEEDING 20 cm THICK AND COMPACTED BY MECHANICAL TAMPERS OR AS SPECIFIED BY THE ENGINEER.

7.0 CONSTRUCTION JOINTS (IF SHOWN ON DRAWINGS)

7.1 FOR THE PURPOSE OF REDUCING SHRINKAGE AND TEMPERATURE STRESSES AND CRACKS, THE FOLLOWING THREE TYPES OF JOINTS ARE RECOMMENDED:

a- SHRINKAGE STRIPS 90 cm WIDE ACROSS THE ENTIRE RAFT & SLABS AND CAST THREE TO FOUR MONTHS LATER

b- CONTROL JOINTS : INDUCE CRACKING AT PRESELECTED LOCATIONS IN WALLS AND SLABS

c- CONSTRUCTION JOINTS : AS PER POURING REQUIREMENTS DURING CONSTRUCTION LOCATIONS AND RELEVANT DETAILS SHALL BE SUBMITTED FOR APPROVAL BY THE CONTRACTOR

7.2 IN NO CASE SHALL HORIZONTAL CONSTRUCTION JOINTS IN CONCRETE WALLS BE LOCATED ANYWHERE OTHER THAN AT SUPPORTS UNLESS SHOWN ON DRAWINGS.

7.3 HORIZONTAL CONSTRUCTION JOINTS SHALL NOT BE MADE IN BEAMS, UNLESS SHOWN OR REVIEWED BY THE ENGINEER.

7.4 VERTICAL CONSTRUCTION JOINTS MAY BE MADE ONLY WITHIN MIDDLE THIRD SPAN OF BEAMS OR SLABS UNLESS OTHERWISE SHOWN OR DIRECTED AND THEIR LOCATION SHALL BE REVIEWED BY THE ENGINEER.

7.5 ALL THE PARAPET AND BASEMENT RETAINING WALLS SHALL HAVE CONTROL JOINT NOT EXCEEDING 6.0m UNLESS OTHERWISE SPECIFIED

8.0 MASONRY CONSTRUCTION

8.1 MASONRY CONSTRUCTION SHALL CONFORM TO ACI 530, CURRENT EDITION. MORTAR FOR MASONRY WALLS TO BE TYPE "S".

8.2 ALL CONCRETE BLOCKS SUPPLIED TO SITE SHALL COMPLY WITH ASTM C90.

8.3 MASONRY CONTRACTOR IS RESPONSIBLE FOR PROVIDING NECESSARY SHORING AND BRACING TO MAINTAIN WALL IN SHAPE, LINE AND DIMENSION IN CONFORMANCE WITH DRAWINGS, AGAINST WIND AND CONSTRUCTION LOADS.

8.4 WHERE NO CONTROL JOINTS ARE SHOWN, SUBMIT PROPOSED LOCATIONS PER ACI 530 FOR APPROVAL BY ARCHITECT AND/OR ENGINEER.

8.5 PROVIDE BOND BEAM 400MM DEEP W/ 4T10 CONTINUOUS & STIRRUPS #8 @ 25 CM FOR WALLS HIGHER THAN 3.0M.

8.6 BLOCKS TO HAVE MINIMUM CRUSHING STRENGTH OF 7.5 MPa AND MAXIMUM UNIT WEIGHT OF 1400 KG/m2.

8.7 ALL JOINTS BETWEEN COLUMN AND BLOCK WORK TO BE PROVIDED WITH G.I. ANCHORS AT 400MM C/C (EVERY ALTERNATIVE LAYER)

8.8 MORTAR 1:1:6 CEMENT/LIM/SAND. MAXIMUM CUBE STRENGTH 5 MPa.

8.9 ALL CONCRETE AND BLOCK JOINTS TO HAVE 300mm WIDE EXPANDED METAL SECURED ON BOTH SIDES FOR PLASTERING.

8.10 CONCRETE FILLED HOLLOW BLOCKS TO HAVE CONCRETE OF MINIMUM STRENGTH OF 21 MPa AND MAXIMUM SIZE OF AGGREGATES TO BE 10mm HEIGHT OF POURS SHOULD NOT EXCEED 1200mm.

8.11 GALVANISED FLAT BARS, WALL TIES AND HORIZONTAL WALL REINFORCEMENT TO BE BEDDED CENTRALLY IN MORTAR COURSES.

8.12 THE CONTRACTOR SHALL BE FULLY RESPONSIBLE OF THE DETAILING AND PROVISION OF ALL STIFFENERS, MOVEMENT JOINTS ETC. FOR THE MASONRY WALLS IN ACCORDANCE WITH STANDARDS AND TO THE ENGINEERS APPROVAL. AS A GENERAL GUIDE STIFFENERS SHALL BE PROVIDED FOR EVERY 20 m2 OF BLOCK WORK MAXIMUM.

9.0 WATERPROOFING

9.1 RAFT FOUNDATION AND BASEMENT WALLS SHALL BE WATERPROOFED WITH A SPECIFIED WATERPROOFING SYSTEM AS DETAILED AND SPECIFIED BY THE NOMINATED SUPPLIER/SUBCONTRACTOR.

9.2 WATERSTOPS OF APPROVED MANUFACTURER AND SIZE SHALL BE INSTALLED AS DETAILED AND SPECIFIED BY THE NOMINATED SUPPLIER/SUBCONTRACTOR.

STEEL MATERIALS SPECIFICATIONS

1-HOT ROLLED SECTIONS ARE USED Fy=24.5 KN/cm2.

2-WELDING HAS BEEN APPLIED IN ACCORDANCE WITH AWS D1.1:96 AMERICAN WELDING SOCIETY STRUCTURAL WELDING CODE-STEEL MANUAL.

3-WELD ELECTRODE ARE USED E70.

4-MINIMUM SIZE OF WELD S=6MM.

5-BOLTS ARE USED GRADE A325-8.8 OTHERWISE NOTED. (High Strength Bolts ASTM A325M type 1 Hot Dip Galvanized ft=303 KN/mm2 ~ fu=72-83 KN/mm2.

6- THE STEEL GRADE OF PIPES AND PURLINS ST 37 (DIN 17100)

7- CORROSION PROTECTION (PIPES) :

8- HOT DIP GALVANIZING 80 MICRON (DIN 50976)

9- ELECTROSTATIC POWDER COAT PAINTING 80 MICRON (DIN 55928)

10- ALL DIMENSIONS ARE IN (mm)

11- THE DIMENSIONS AND LEVELS GIVEN ON THE DRAWINGS SHALL BE CHECKED BY THE CLIENT/CONSULTANT/CONTRACTOR TO SEE WHETHER THESE ARE THE SAME AS THE " SITE AS-BUILT" MEASUREMENTS. THE DIMENSIONS WHICH ARE NOT CORRECTED DURING APPROVAL WILL BE CONSIDERED AS DEFINITE DIMENSIONS AND LEVELS BASIC FOR FABRICATION.

SYMBOLS & ABBREVIATIONS		
1	BAR DIAMETER	db/Db
2	FOOTING	F
3	COLUMN	C
4	TYPICAL	TYP
5	MINIMUM	MIN
6	MAXIMUM	MAX
7	BEAM	B
8	RIB	R
9	@	AT
10	DEFORMED BAR DIAMETER IN mm	T
11	PLAIN STEEL BAR	Ø
12	NOT TO SCALE	NTS
13	THICKNESS	TH
14	SOLID SLAB	SS
15	DRAWING	DWG
16	REINFORCEMENT	REINF
17	STIRRUP	STIR
18	NATURAL GROUND /GRADE LEVEL	NGL
19	CONTINUOUS	CONT
20	STANDARD	STD
21	OPENING	OPNG
22	CONCRETE LEVEL	C.L.
23	TOP STEEL IN SOLID SLAB	-----
24	BOTTOM STEEL IN SOLID SLAB	-----
25	LEVEL	+
26	WALL FOOTING	WF
27	TIE-BEAM	TB
28	COUNTERFORT	CF
29	TANK WALL	WT
30	EXCAVATION LEVEL	E.L.
31	BOTTOM REINF	B
32	TOP REINF	T
33	2nd LAYER OF EXTRA BOTTFM REINF	B1
34	2nd LAYER OF EXTRA TOP REINF	T1
35	3rd LAYER OF EXTRA BOTTOM REINF	B2
36	3rd LAYER OF EXTRA TOP REINF	T2

LEGEND	
	R.C. Column or Wall
	R.C. Column or Wall stopped at below level
	implanted R.C. Column or Wall

Note :
- all dimensions in (cm)
- all levels in meter (m)

PROJECT TITLE:
YORKVILLE HOTEL & APARTMENTS LIMITED

CLIENT:
DELOMIS

DESIGNED	
DRAWN	
CHECKED	
SCALE	
DATE	17 JAN. 2022

DRAWING TITLE:
GENERAL NOTES

CONSULTANT OFFICE
Java Design Concepts LTD



SIZE: A1 DRAWING no: **S-200**

GENERAL DETAILS-1-

DETAILS FOR OPENINGS AND SLEEVES IN SLAB
(N.T.S)

NOTES

1. UNLESS OTHERWISE NOTED ON STRUCTURAL DRAWINGS :

A) REINFORCEMENT AROUND OPENINGS AND SLEEVES SHALL BE AS PER DETAILED BELOW

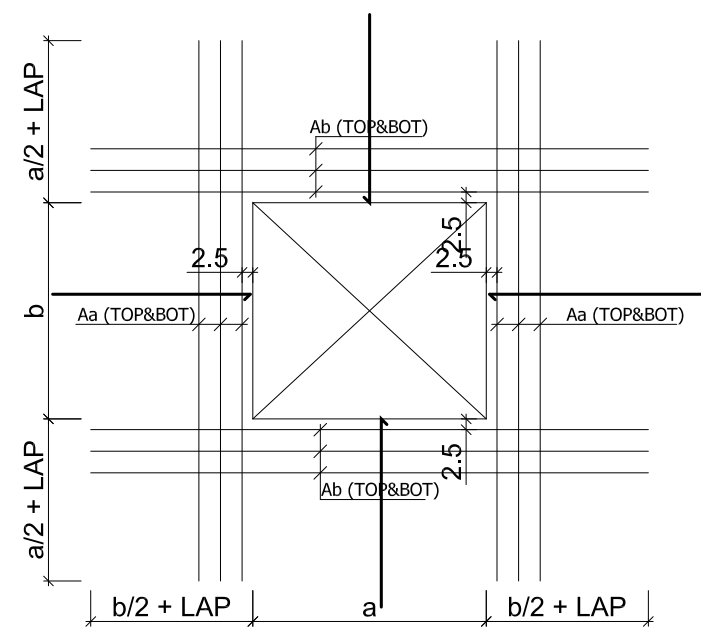
B) DO NOT MAKE OPENINGS OR SLEEVES LARGER THAN THE MAXIMUM DIMENSIONS NOTED BELOW AND DO NOT LOCATE OPENINGS OR SLEEVES OTHER THAN WHERE INDICATED ON PLAN WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

2. OPENINGS, SLEEVE SIZES AND LOCATIONS TO BE RESTRICTED TO THE FOLLOWING :

- A) ONE WAY AND TWO WAY SLABS:
- (1) MAXIMUM OPENING SIZE 75 CM. SQUARE.
 - (2) MAXIMUM SLEEVE SIZE 25 CM. Ø 4 IN A GROUP.
 - (3) NO RESTRICTION ON LOCATION.

B) FLAT SLABS :

- (1) DO NOT MAKE OPENINGS OR PLACE SLEEVES WITH IN TWICE THE SLAB DEPTH FROM THE FACE OF A COLUMN OR EDGE OF A CAPITAL.
- (2) MAXIMUM WIDTH OF STRIP INTERRUPTED BY OPENINGS OR SLEEVES.
- IN AREAS COLUMN TO 2 COLUMN STRIPS NOT GREATER THAN 1/8 OF COLUMN STRIP WITH IN EITHER SPAN.
- IN AREAS COLUMN TO 1 COLUMN STRIP AND 1 MIDDLE STRIP NOT GREATER THAN 1/4 OF STRIP WIDTH IN EITHER DIRECTION.
- IN AREAS COLUMN TO 2 MIDDLE STRIPS, NOT GREATER THAN 1/2 OF STRIP.

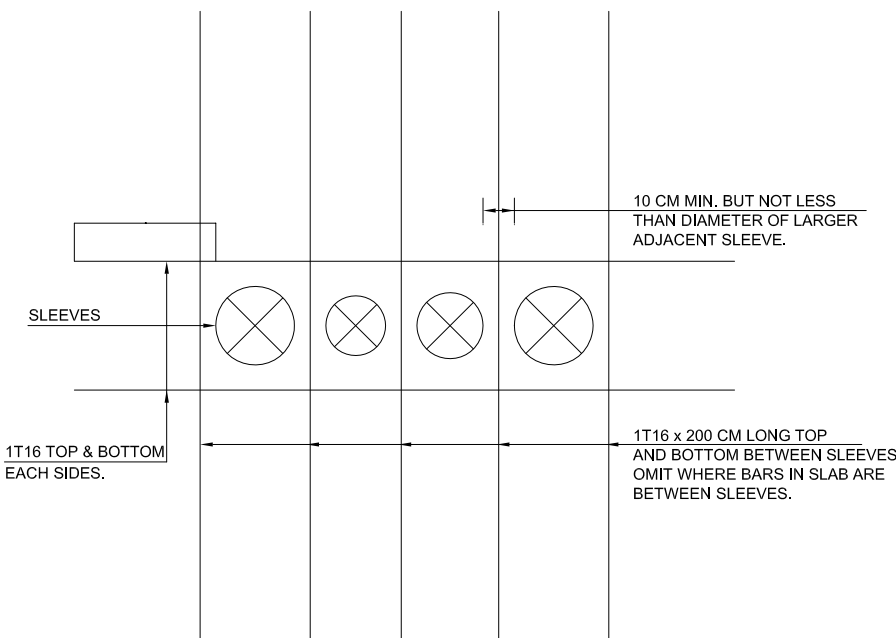


PROVIDE HOOK AT END OF TRANSVERSE BARS AT OPENINGS FOR ANCHORAGE

ADD. REINF. TO BE PROVIDED AT TOP & BOTTOM LAYERS.

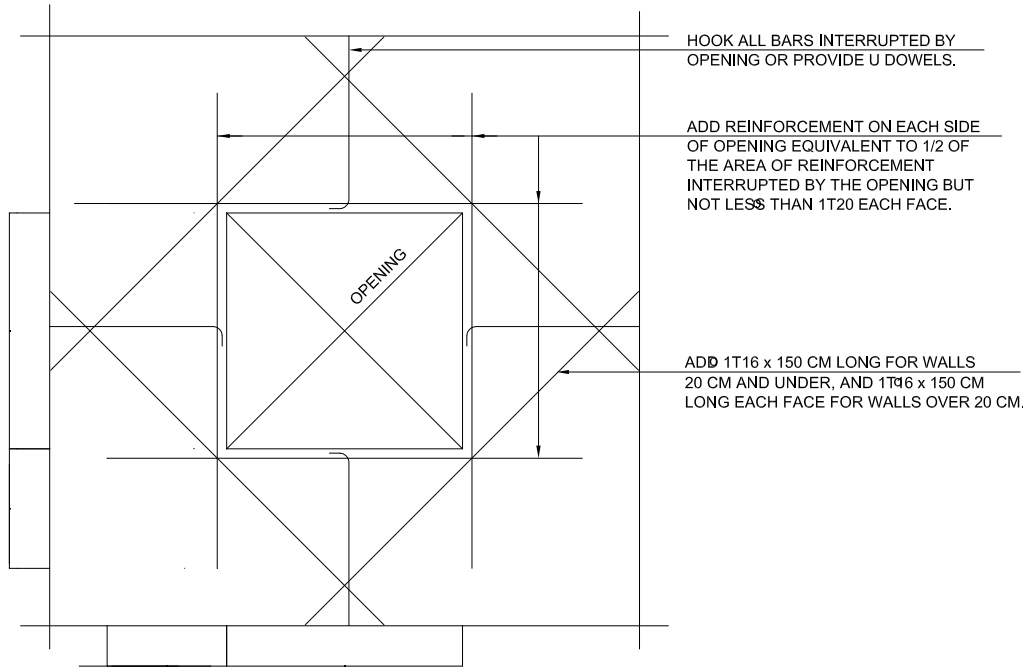
a	Aa (TOP & BOT.)	b	Ab (TOP & BOT.)
a ≤ 400	2T16	b ≤ 400	2T16
400 < a < 1000	3T16	400 < b < 1000	3T16
1000 < a < 1500	5T16	1000 < b < 1500	5T16
a ≥ 1500	7T16	b ≥ 1500	7T16

*MAY PROVIDE EQUIVALENT AREA OF CUT STEEL ON BOTH SIDES PER ACI REQUIREMENTS. CALCULATIONS SHALL BE SUBMITTED FOR APPROVAL



SLEEVES

WALL REINFORCING DETAILS
(N.T.S)

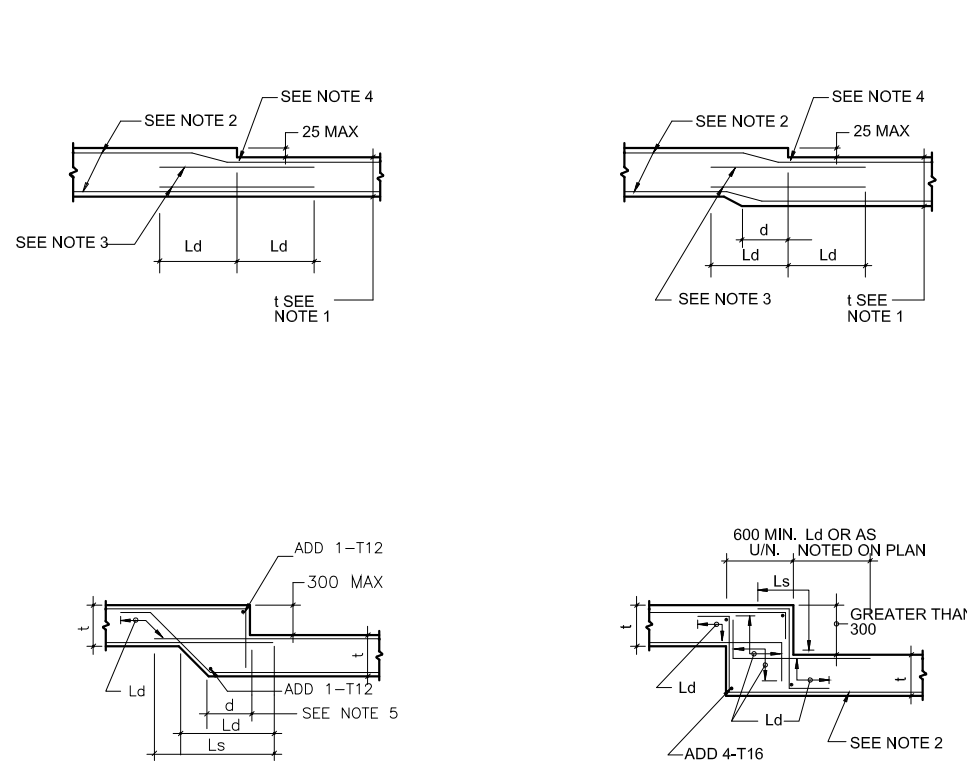


NOTE :-

FOR OPENINGS UNDER 45x45 CM. RESPACE MAIN REINFORCING AND ADD 1T16 x 120 CM LONG DIAGONAL AT EACH CORNER FOR EVERY 20 CM. OF WALL THICKNESS OR PORTION THEREOF.

OPENINGS IN WALLS

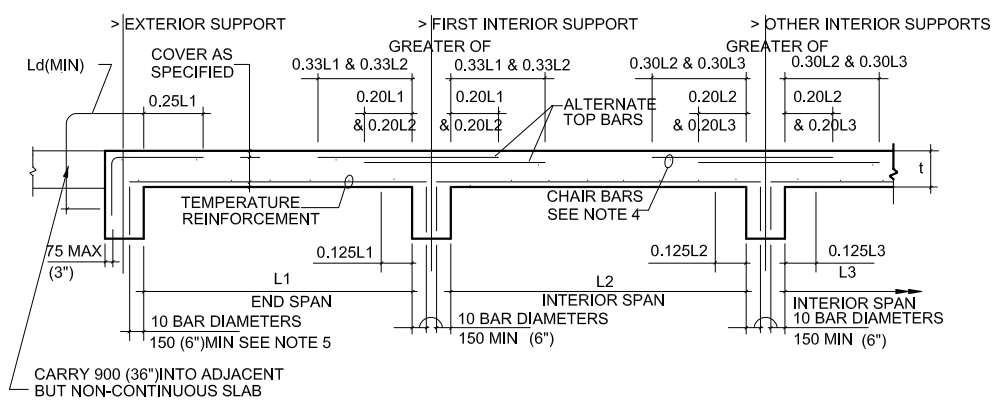
REINFORCING AT STEPPED STRUCTURAL SLAB
(N.T.S)



NOTES:

1. SLAB THICKNESS t TO BE GREATER OR EQUAL TO THE THICKNESS REQUIRED FOR FIRE RESISTANCE RATING.
2. SLAB MAIN REINFORCEMENT (REFER TO DWGS.) WHERE SLAB SOFFIT VARIES DROP REINFORCING STEEL AS REQUIRED.
3. ADDITIONAL REINFORCING TO BE ADDED AT CHANGE IN THICKNESS, PROVIDE T12 Ø 200
4. MAINTAIN REQUIRED CONCRETE COVER TO REINFORCING STEEL
5. THE DISTANCE d=t EXCEPT THAT d SHALL NOT BE LESS THAN 300
6. Ld – TENSION EMBEDMENT LENGTH, BUT GREATER THAN 600
7. Ls – TENSION LAP SPUCE LENGTH

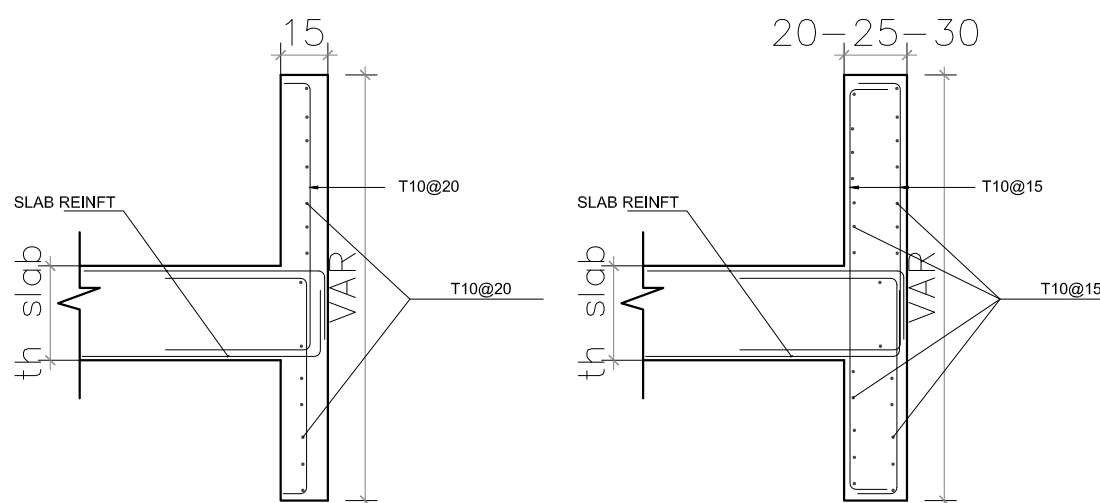
ONE-WAY SLAB REINFORCEMENT – TYPICAL DETAIL
SUPPORTED ON CONCRETE BEAMS OR WALLS



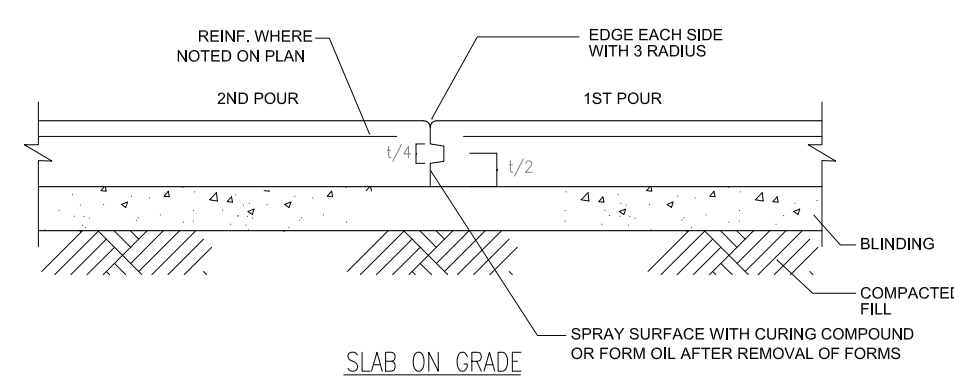
NOTES:

1. UNLESS OTHERWISE SHOWN OR NOTED ON PLAN, PLACE REINFORCING IN ONE-WAY SLABS AS SHOWN IN THIS DETAIL.
2. MAXIMUM BAR SPACING IS 3t BUT NOT GREATER THAN 500, WHERE t IS THE SLAB THICKNESS.
3. PROVIDE 2-T16 x 1800 LONG TOP BARS ACROSS RE-ENTRANT CORNERS UNLESS OTHERWISE SHOWN.
4. PROVIDE BAR SUPPORTS AND ACCESSORIES TO THE REQUIREMENTS OF CODE.
6. WHERE MINIMUM EMBEDMENT IS NOT POSSIBLE PROVIDE A STANDARD 90° HOOK LAID FLAT.

TYPICAL PARAPET DETAIL

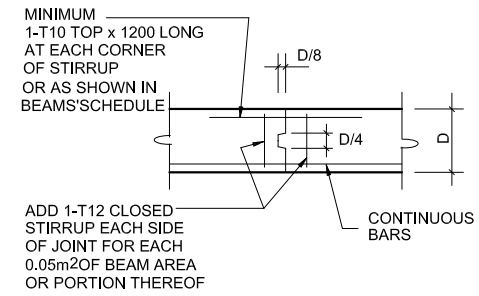


CONSTRUCTION JOINT – TYPICAL DETAIL
(N.T.S)

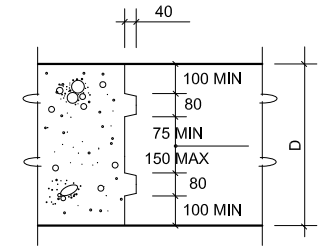


SLABS UP TO 150 IN DEPTH

SLABS OVER 150 DEEP

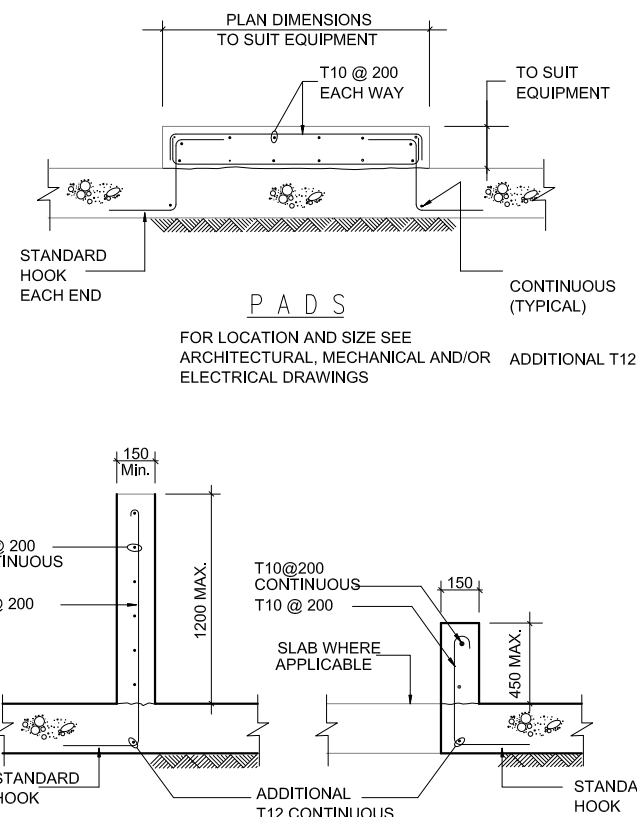


BEAMS UP TO 450 IN DEPTH



BEAMS OVER 450 DEEP
SAME AS BEAMS UP TO 450 DEEP
BUT USE MULTIPLE KEYS AS SHOWN

PAD AND CURB – TYPICAL DETAILS
UNLESS OTHERWISE SPECIFIED (N.T.S)

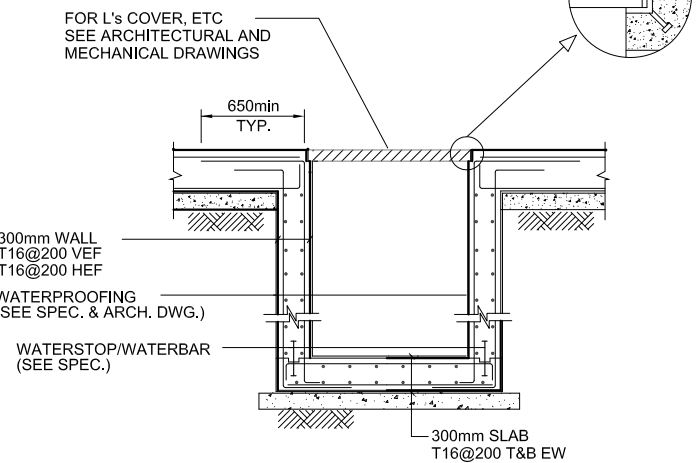


C.U.R.B.S

FOR LOCATION AND SIZE SEE ARCHITECTURAL MECHANICAL AND/OR ELECTRICAL DRAWINGS

TYPICAL SUMP PIT DETAIL

CONTRACTOR SHALL CO-ORDINATE Lx COVER INSTALLATION DETAIL WITH MANUFACTURERS REQUIREMENTS.



Note :
- all dimensions in (cm)
- all levels in meter (m)

PROJECT TITLE:
**YORKVILLE HOTEL &
APARTMENTS LIMITED**

CLIENT:
DELOMIS

DESIGNED	
DRAWN	
CHECKED	
SCALE	
DATE	17 JAN. 2022

DRAWING TITLE:
GENERAL DETAILS -1-

CONSULTANT OFFICE

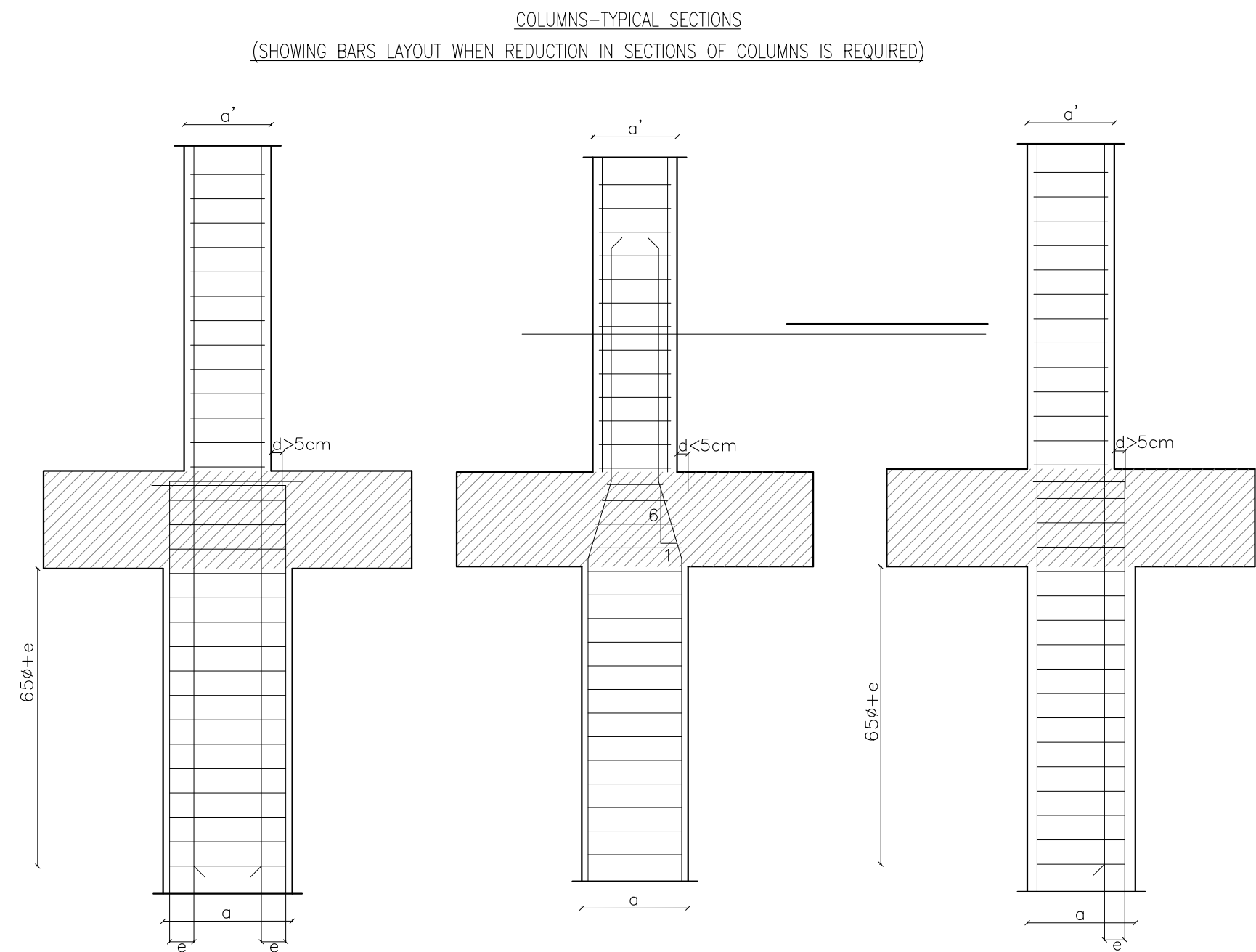
Java Design Concepts
LTD

SIZE: A1 DRAWING no: S-300

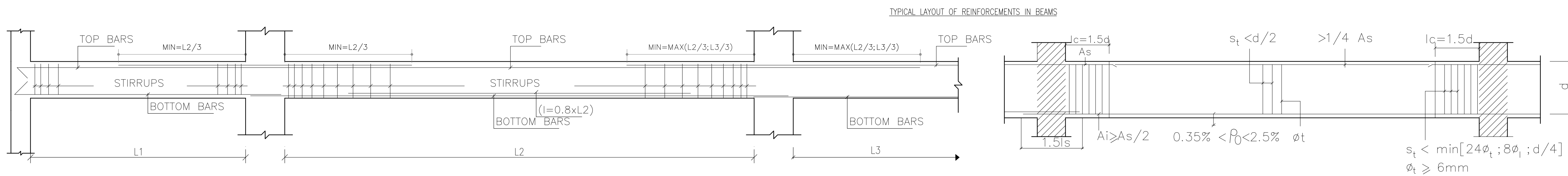
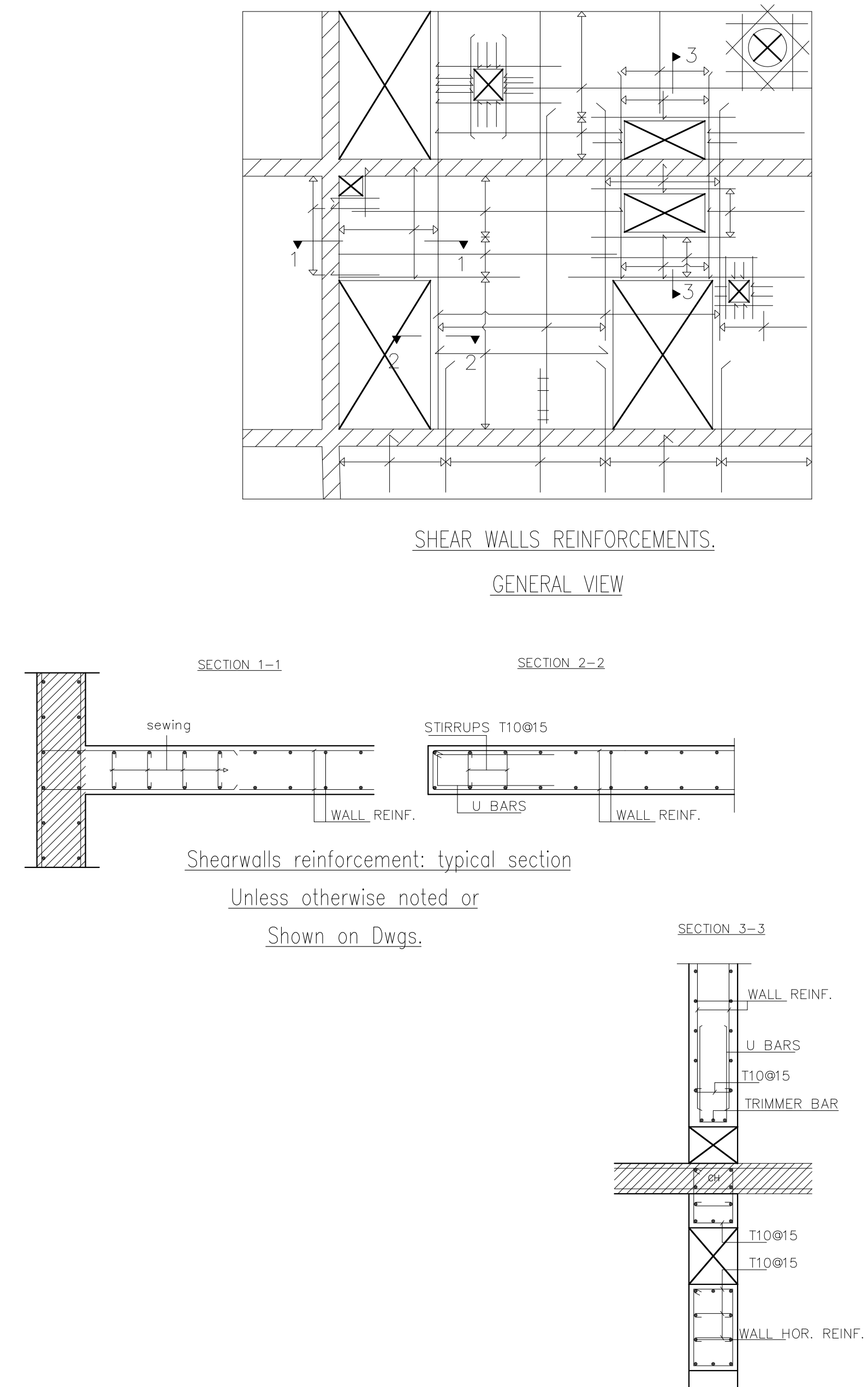
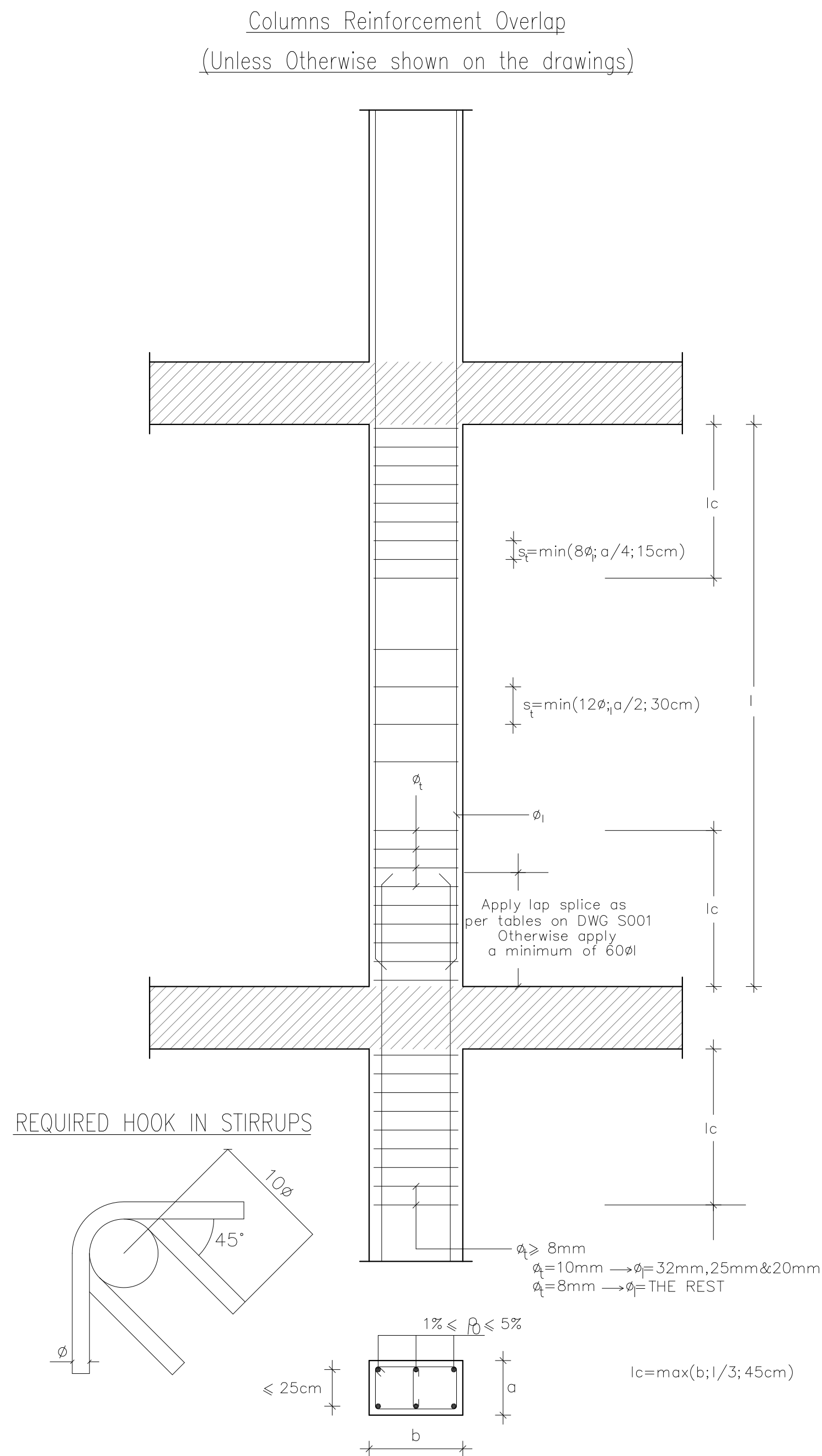
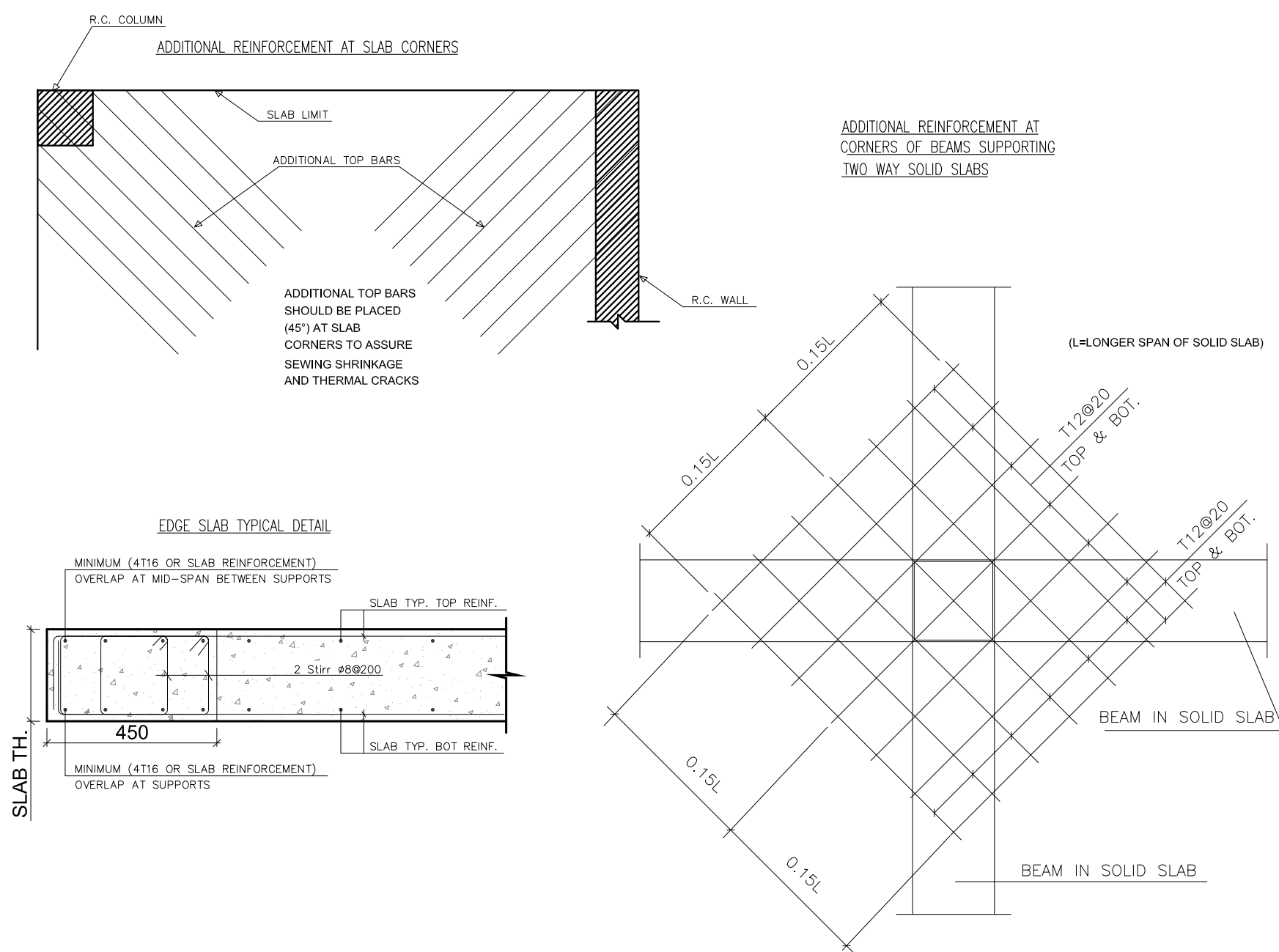


GENERAL DETAILS-2-

APPROVAL



*Stirrups of Beams Shall Continue Through the Section of Columns And Walls



Note :

- all dimensions in (cm)
- all levels in meter (m)

PROJECT TITLE:

**YORKVILLE HOTEL &
APARTMENTS LIMITED**

CLIENT:
DELOMIS

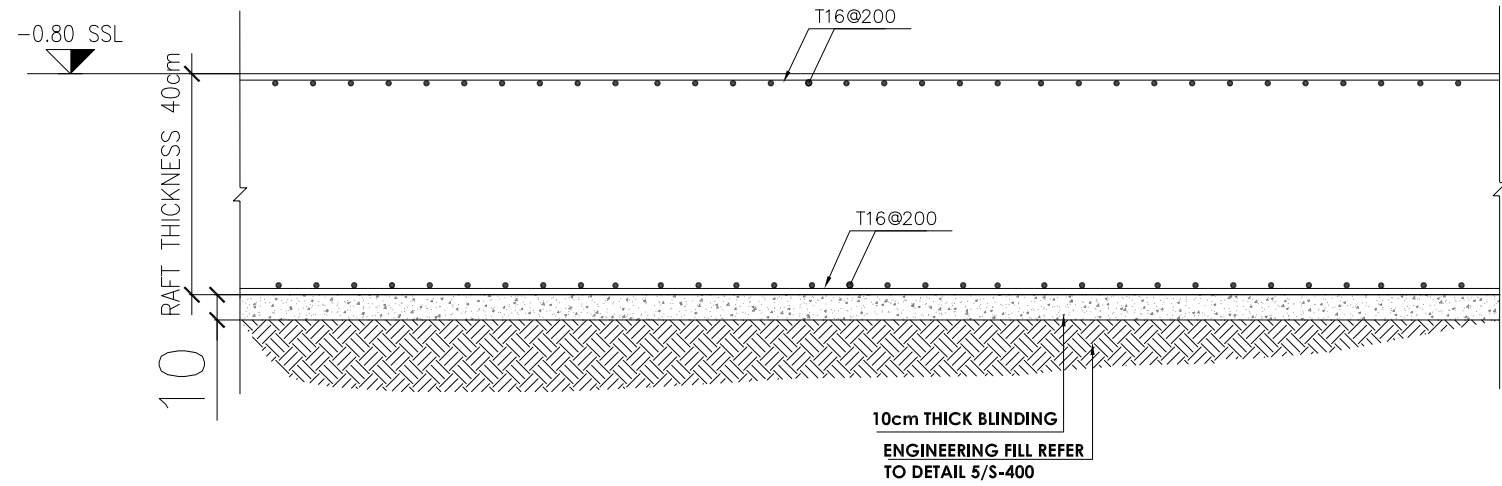
DESIGNED	
DRAWN	
CHECKED	
SCALE	
DATE	17 JAN. 2022

DRAWING TITLE:
GENERAL DETAILS -2-

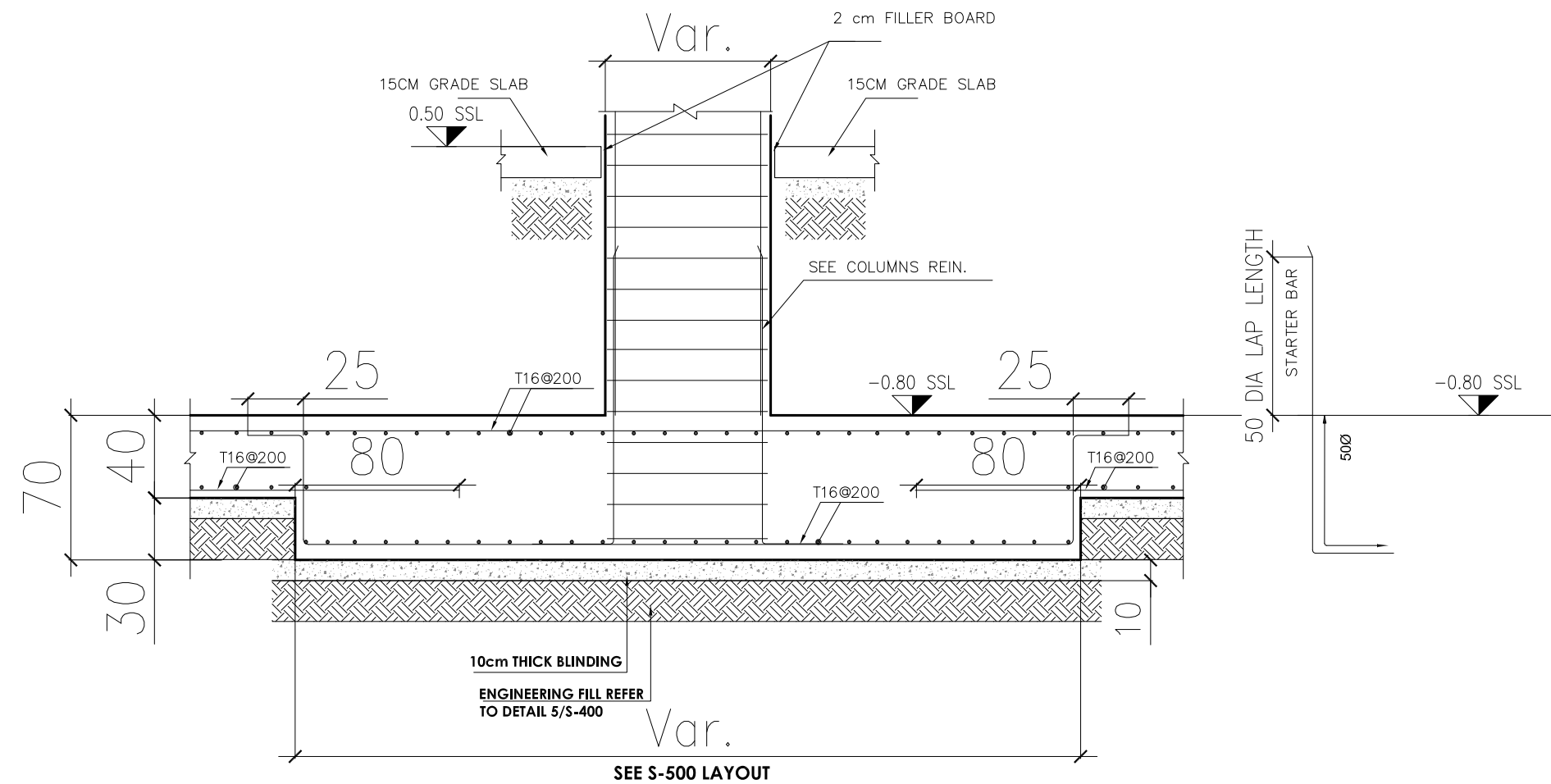
CONSULTANT OFFICE
Java Design Concepts
LTD

SIZE: A1	DRAWING no: S-301
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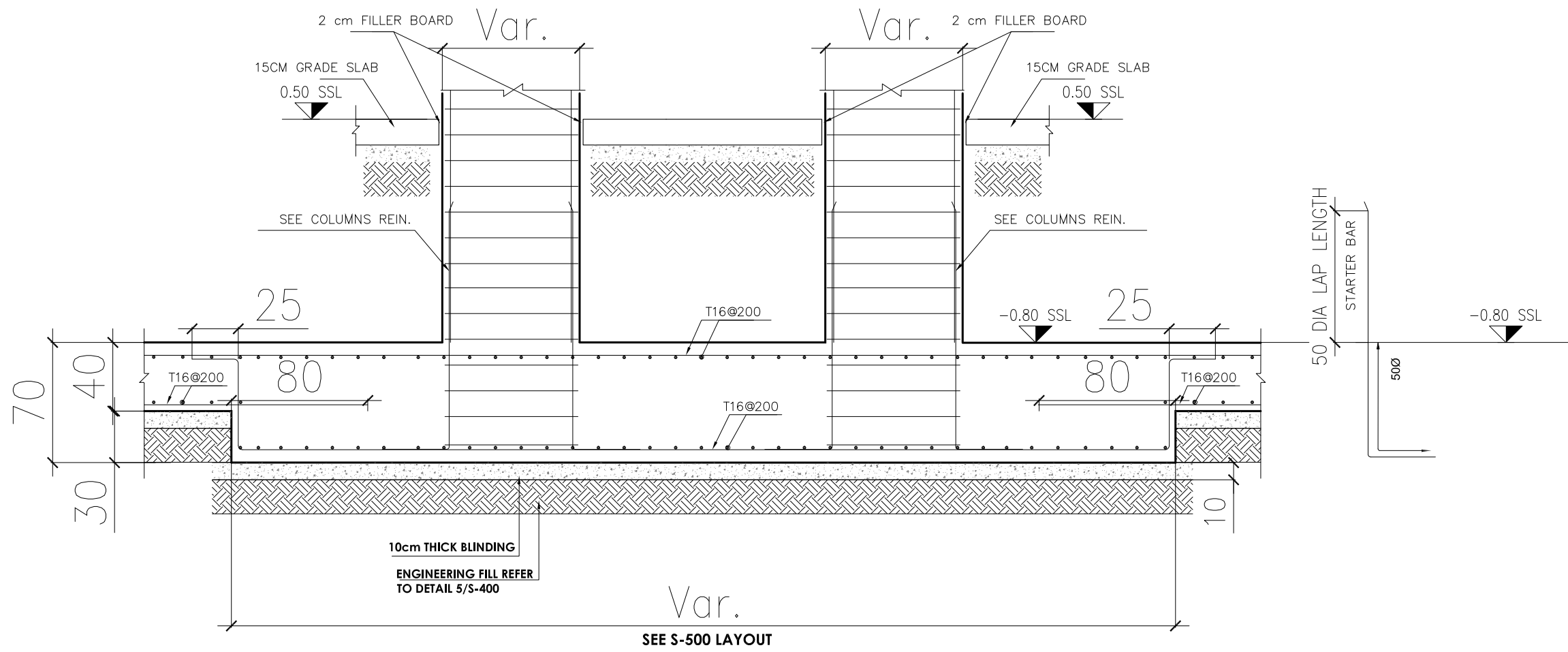




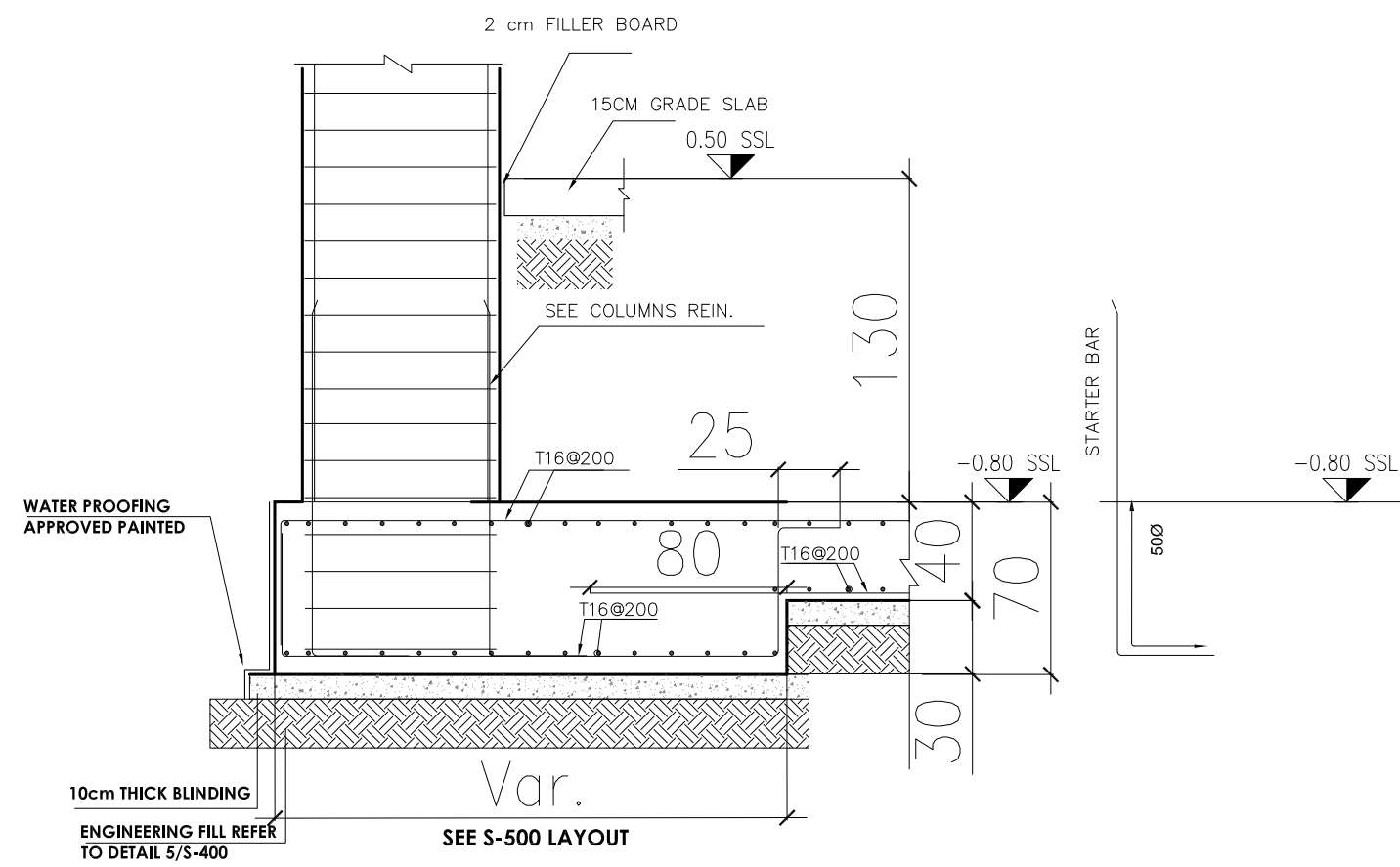
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FOUNDATION DETAILS
TYPICAL SECTION OF RAFT
SCALE 1:40



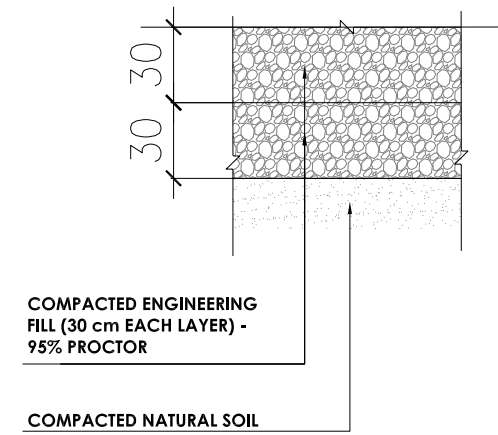
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FOUNDATION DETAILS
TYPICAL INTERNAL SINGLE COLUMN-RAFT CONX.
SCALE 1:40



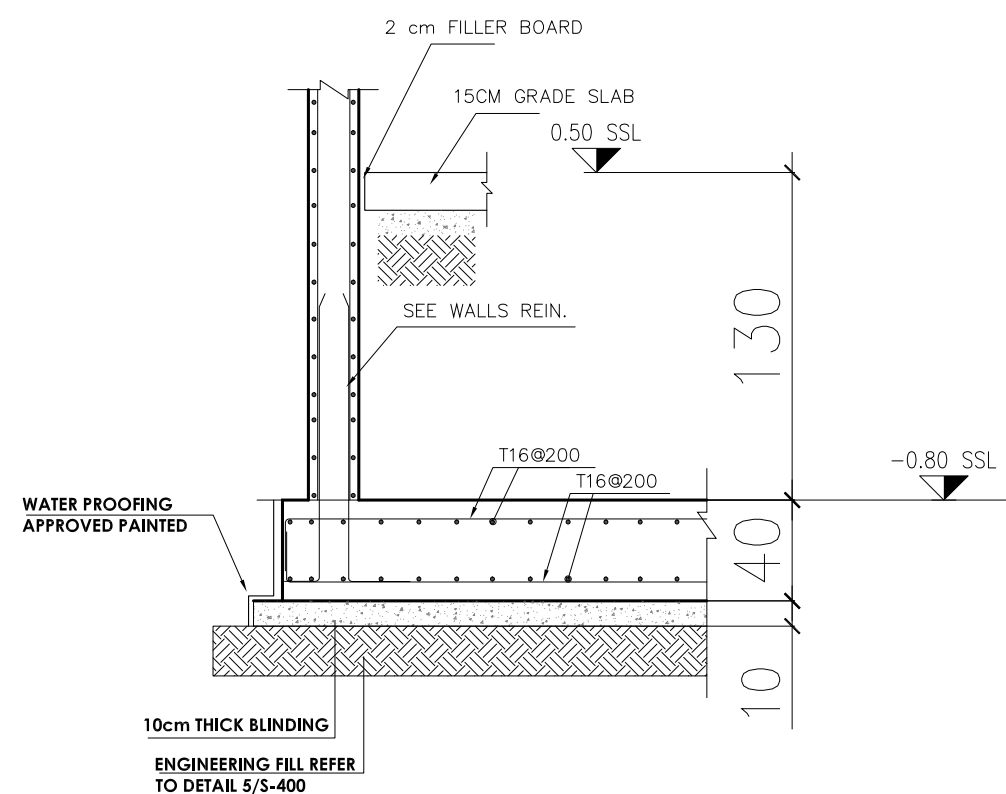
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FOUNDATION DETAILS
TYPICAL INTERNAL TWO COLUMNS-RAFT CONX.
SCALE 1:40



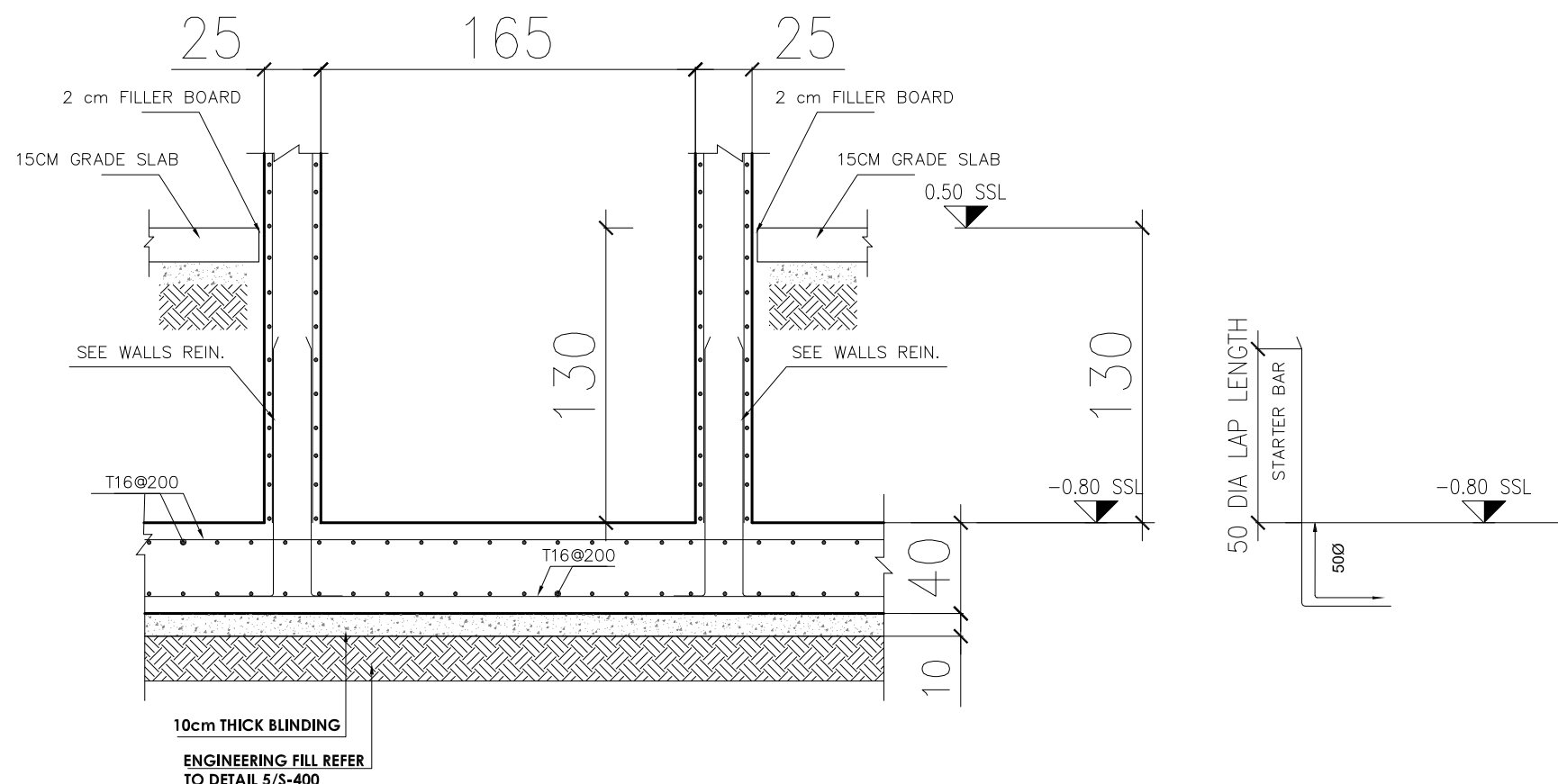
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FOUNDATION DETAILS
TYPICAL CORNAR COLUMNS-RAFT CONX.
SCALE 1:40



5
FOUNDATION DETAILS
TYPICAL BACKFILLING DETAIL
SCALE 1:40



6
FOUNDATION DETAILS
TYPICAL CORNAR WALLS-RAFT CONX.
SCALE 1:40



7
FOUNDATION DETAILS
TYPICAL SECTION (A-A)/LIFT PIT
SCALE 1:40

APPROVAL

Note :
- all dimensions in (cm)
- all levels in meter (m)

PROJECT TITLE:
**YORKVILLE HOTEL &
APARTMENTS LIMITED**

CLIENT:
DELOMIS

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DRAWN
CHECKED
SCALE
DATE 17 JAN. 2022

DRAWING TITLE:
FOUNDATION DETAIL

CONSULTANT OFFICE
Java Design Concepts
LTD

SIZE: A1 DRAWING no: S-400





1 MAT FOUNDATION GENERAL ARRANGEMENT PLAN
S-500 SCALE 1:75

Note :
- all dimensions in (cm)
- all levels in meter (m)

PROJECT TITLE:
**YORKVILLE HOTEL &
APARTMENTS LIMITED**

CLIENT:
DELOMIS

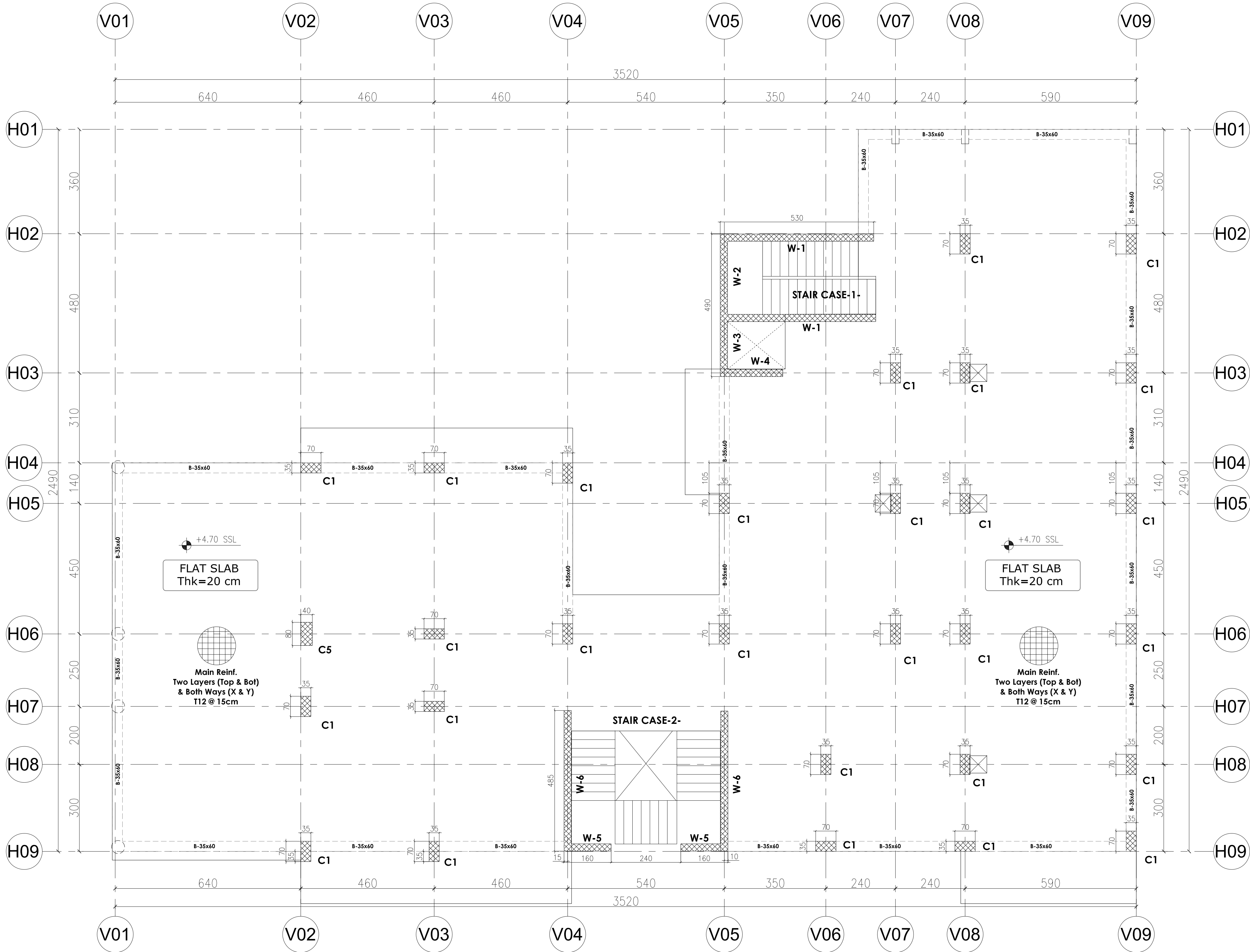
DESIGNED	
DRAWN	
CHECKED	
SCALE	
DATE	17 JAN. 2022

DRAWING TITLE:
MAT FOUNDATION
GENERAL
ARRANGEMENT PLAN

CONSULTANT OFFICE
Java Design Concepts
LTD



SIZE: A1 DRAWING no: S-500



1
S-502

FIRST FLOOR GENERAL ARRANGEMENT PLAN
SCALE 1:75

Note :
- all dimensions in (cm)
- all levels in meter (m)

PROJECT TITLE:
**YORKVILLE HOTEL &
APARTMENTS LIMITED**

CLIENT:
DELOMIS

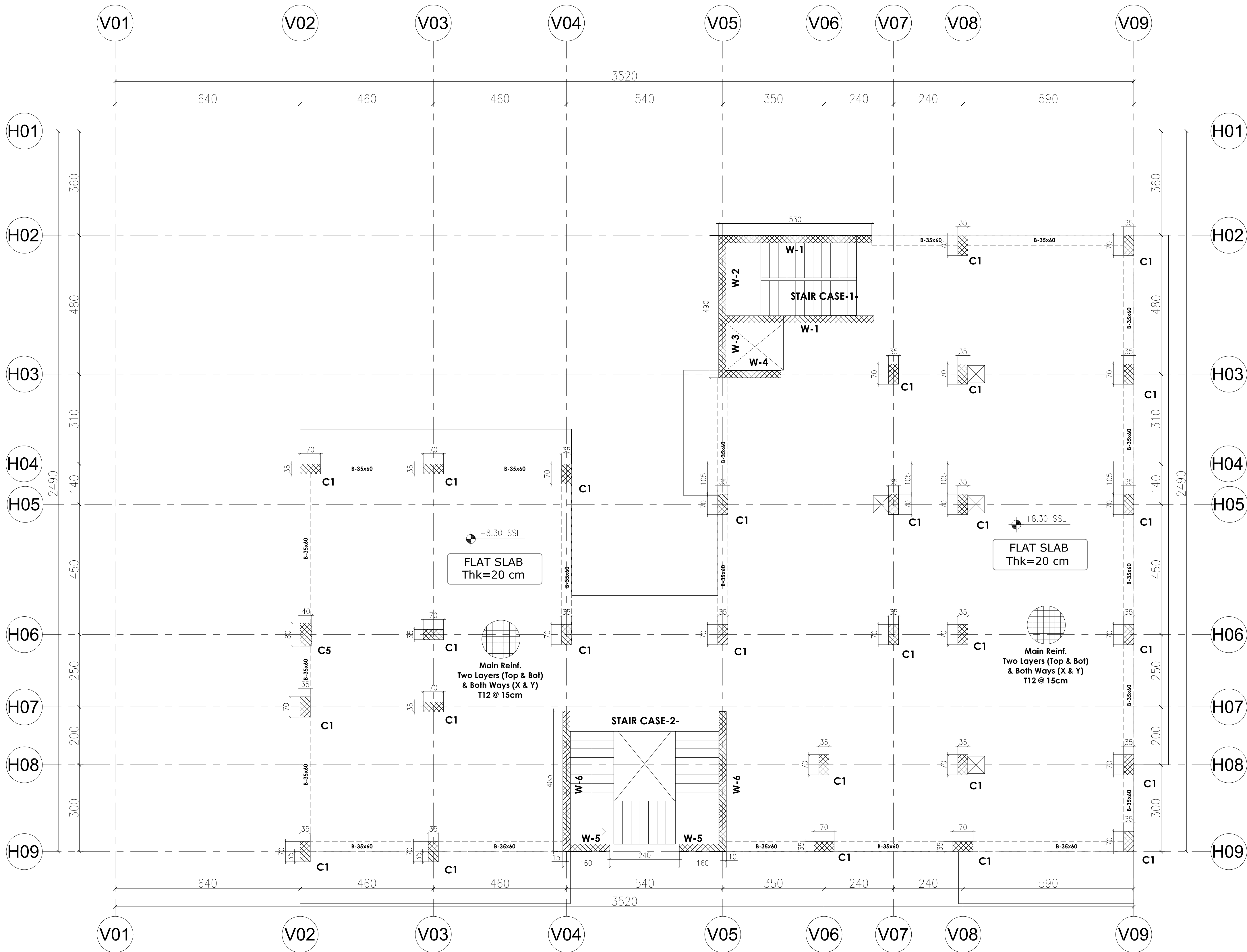
DESIGNED	
DRAWN	
CHECKED	
SCALE	
DATE	17 JAN. 2022

DRAWING TITLE:
**FIRST FLOOR GENERAL
ARRANGEMENT PLAN**

CONSULTANT OFFICE
**Java Design Concepts
LTD**



SIZE: A1 DRAWING no: S-502



1 SECOND FLOOR GENERAL ARRANGEMENT PLAN
SCALE 1:75

Note :
- all dimensions in (cm)
- all levels in meter (m)

PROJECT TITLE:
**YORKVILLE HOTEL &
APARTMENTS LIMITED**

CLIENT:
DELOMIS

DESIGNED	
DRAWN	
CHECKED	
SCALE	
DATE	17 JAN. 2022

DRAWING TITLE:
SECOND FLOOR
GENERAL
ARRANGEMENT PLAN

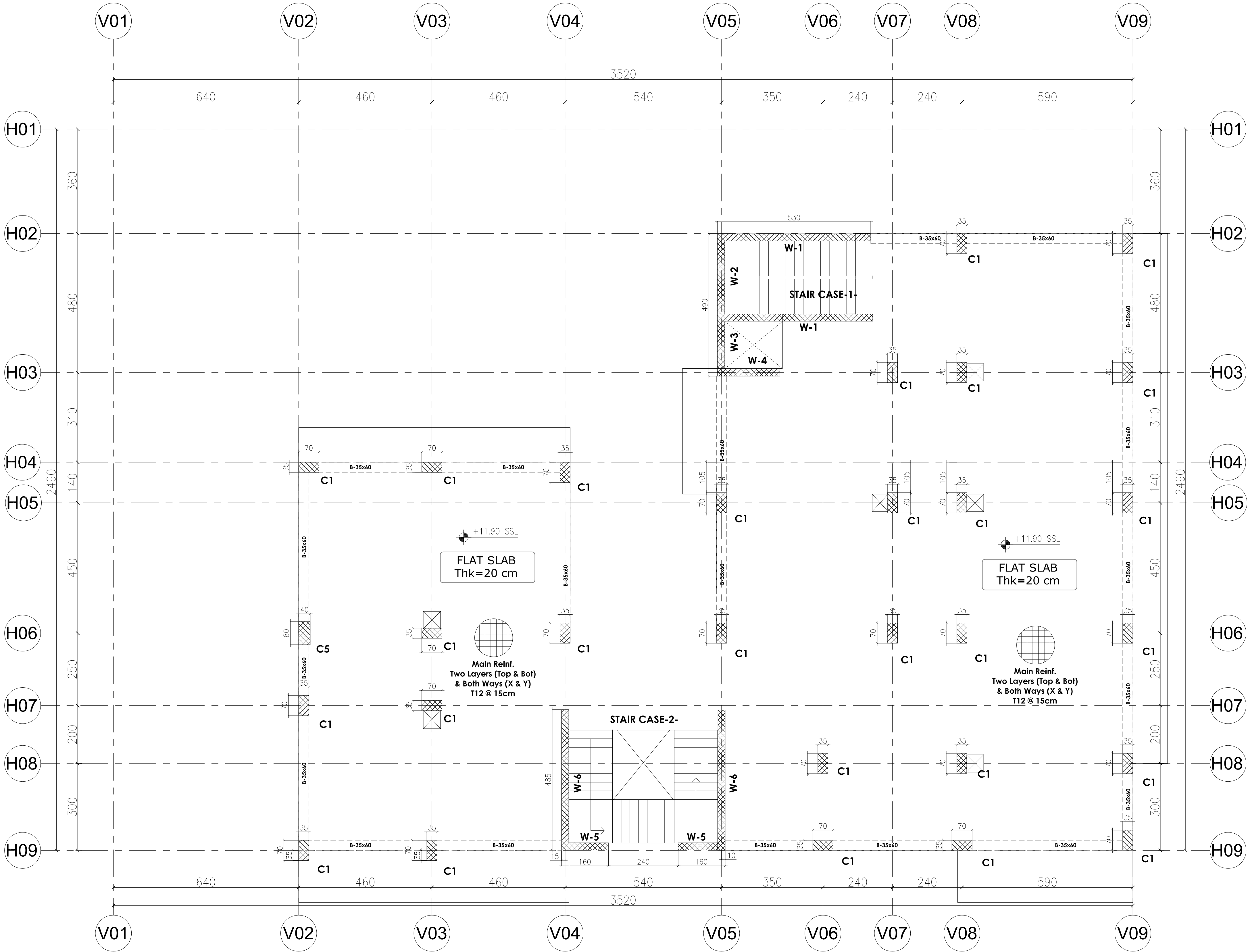
CONSULTANT OFFICE
Java Design Concepts
LTD

SIZE: A1 DRAWING no: S-503

APPROVAL

BEAMS SCHEDULE

TYPE	B 40X60		
SECTION AND DETAILS			
REINFORCEMENT DETAILS	TOP	BOTTOM	LINKS
	3T16	3T16	2T8@150



1 THIRD FLOOR GENERAL ARRANGEMENT PLAN
S-504 SCALE 1:75

Note :
- all dimensions in (cm)
- all levels in meter (m)

PROJECT TITLE:
**YORKVILLE HOTEL &
APARTMENTS LIMITED**

CLIENT:
DELOMIS

DESIGNED	
DRAWN	
CHECKED	
SCALE	
DATE	17 JAN. 2022

DRAWING TITLE:
THIRD FLOOR
GENERAL
ARRANGEMENT PLAN

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LTD

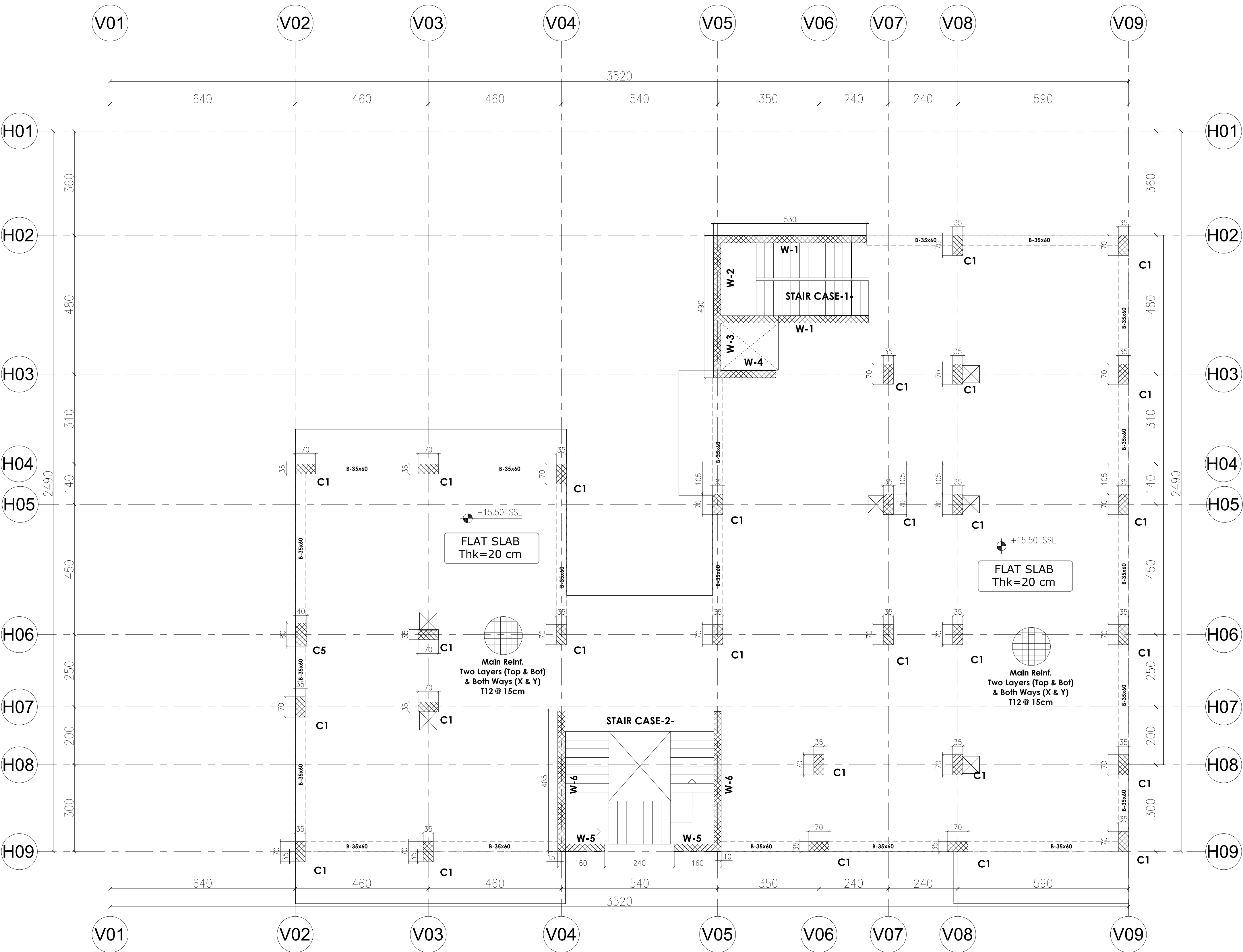


SIZE: A1 DRAWING no: S-504

APPROVAL

BEAMS SCHEDULE

TYPE	B 40X60		
SECTION AND DETAILS			
	TOP	BOTTOM	LINKS
REINFORCEMENT DETAILS	3T16	3T16	2T8@150



1 FOURTH FLOOR GENERAL ARRANGEMENT PLAN
S-505 SCALE 1:75

Note :
- all dimensions in (cm)
- all levels in meter (m)

PROJECT TITLE:
**YORKVILLE HOTEL &
APARTMENTS LIMITED**

CLIENT:
DELOMIS

DESIGNED	
DRAWN	
CHECKED	
SCALE	
DATE	17 JAN. 2022

DRAWING TITLE:
FOURTH FLOOR
GENERAL
ARRANGEMENT PLAN

CONSULTANT OFFICE
Java Design Concepts
LTD

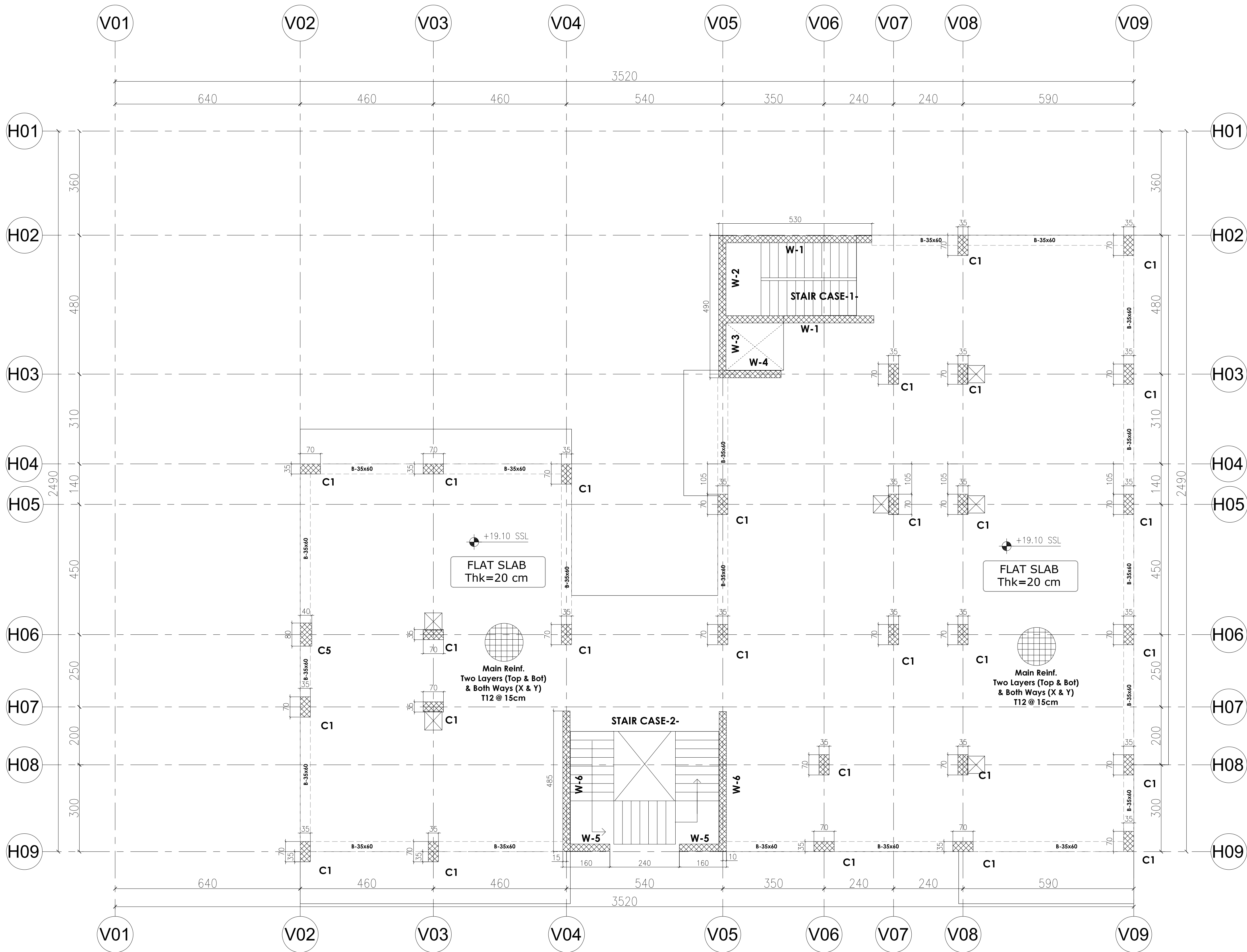


SIZE: A1 DRAWING no: S-505

APPROVAL

BEAMS SCHEDULE

TYPE	B 40X60		
SECTION AND DETAILS			
	1T8@150 L=170	1T8@150 L=120	
REINFORCEMENT DETAILS	TOP	BOTTOM	LINKS
	3T16	3T16	2T8@150



1 FIFTH FLOOR GENERAL ARRANGEMENT PLAN
S-506 SCALE 1:75

Note :
- all dimensions in (cm)
- all levels in meter (m)

PROJECT TITLE:
**YORKVILLE HOTEL &
APARTMENTS LIMITED**

CLIENT:
DELOMIS

DESIGNED	
DRAWN	
CHECKED	
SCALE	
DATE	17 JAN. 2022

DRAWING TITLE:
FIFTH FLOOR GENERAL
ARRANGEMENT PLAN

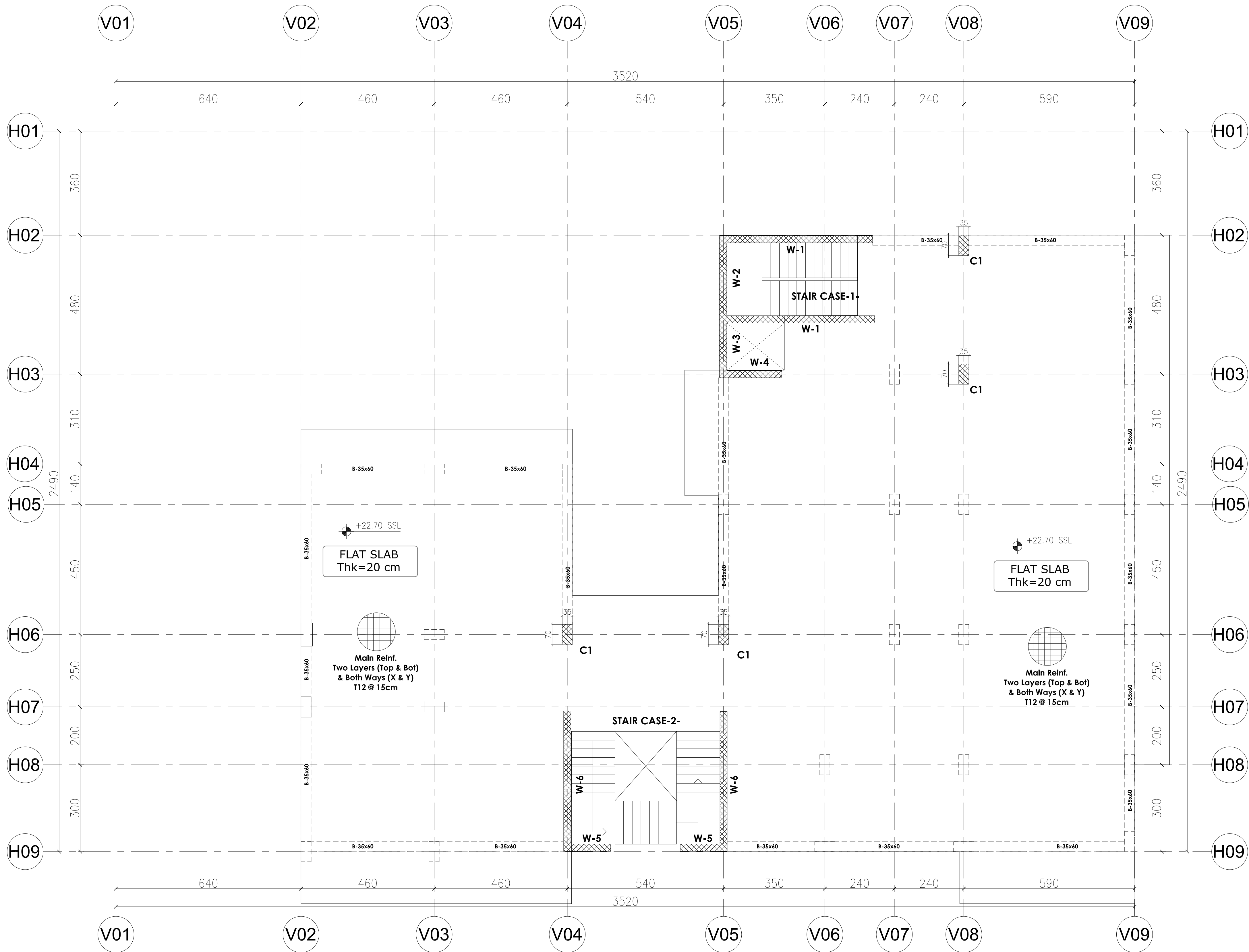
CONSULTANT OFFICE
Java Design Concepts
LTD

SIZE: A1 DRAWING no: S-506

APPROVAL

BEAMS SCHEDULE

TYPE	B 40X60		
SECTION AND DETAILS			
	1T8@150 L=170	1T8@150 L=120	
REINFORCEMENT DETAILS	TOP	BOTTOM	LINKS
	3T16	3T16	2T8@150



1 ROOF GENERAL ARRANGEMENT PLAN
S-507 SCALE 1:75

Note :
- all dimensions in (cm)
- all levels in meter (m)

PROJECT TITLE:
**YORKVILLE HOTEL &
APARTMENTS LIMITED**

CLIENT:
DELOMIS

DESIGNED	
DRAWN	
CHECKED	
SCALE	
DATE	17 JAN. 2022

DRAWING TITLE:
**ROOF GENERAL
ARRANGEMENT PLAN**

CONSULTANT OFFICE
**Java Design Concepts
LTD**

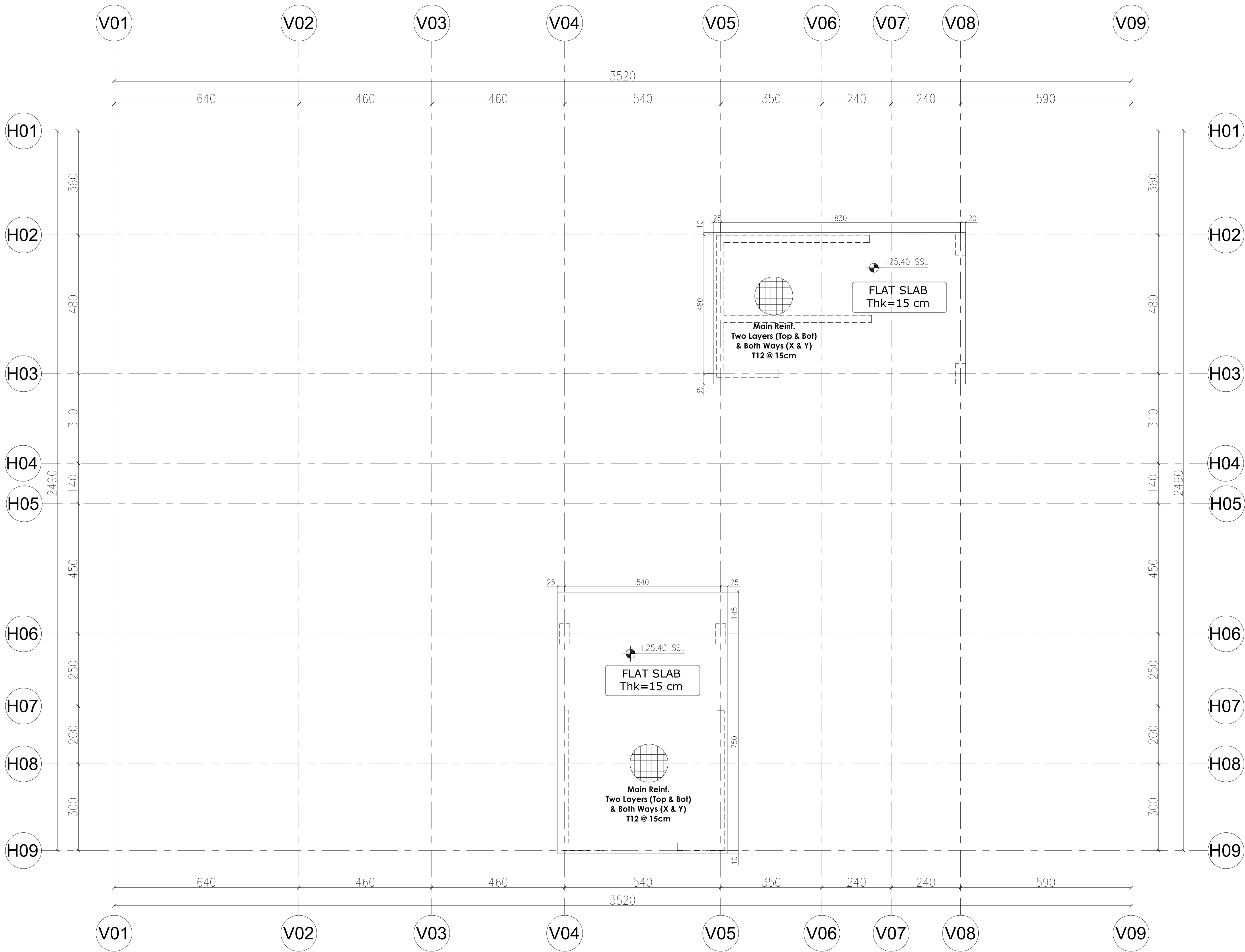


SIZE: A1 DRAWING no: S-507

APPROVAL

BEAMS SCHEDULE

TYPE	B 40X60		
SECTION AND DETAILS			
	1T8@150 L=170	1T8@150 L=120	
REINFORCEMENT DETAILS	TOP	BOTTOM	LINKS
	3T16	3T16	2T8@150



1 UPPER ROOF GENERAL ARRANGEMENT PLAN
S-508 SCALE 1:75

Note :
- all dimensions in (cm)
- all levels in meter (m)

PROJECT TITLE:
**YORKVILLE HOTEL &
APARTMENTS LIMITED**

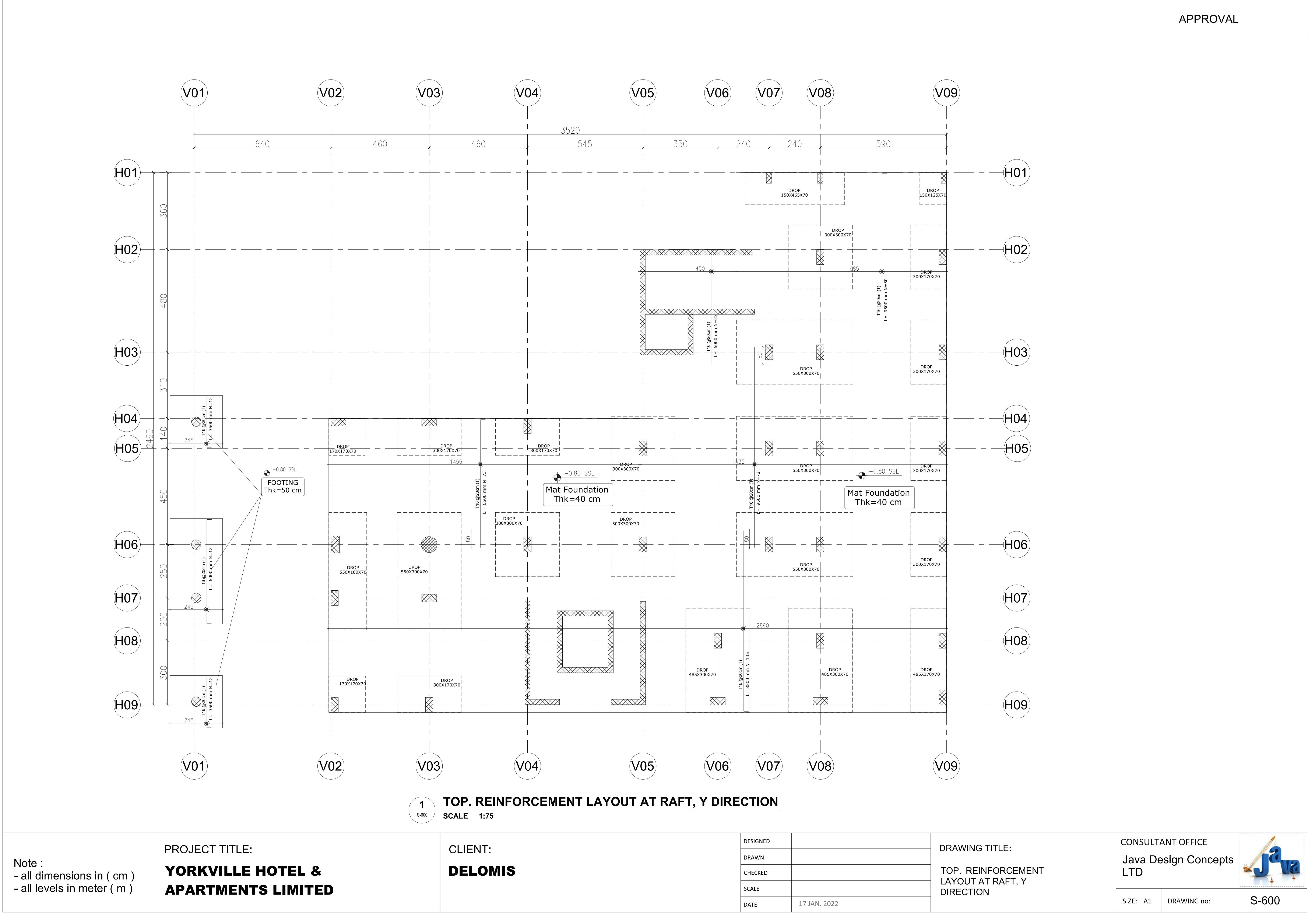
CLIENT:
DELOMIS

DESIGNED	
DRAWN	
CHECKED	
SCALE	
DATE	17 JAN. 2022

DRAWING TITLE:
UPPER ROOF GENERAL
ARRANGEMENT PLAN

CONSULTANT OFFICE
Java Design Concepts
LTD





APPROVAL

Note :
- all dimensions in (cm)
- all levels in meter (m)

PROJECT TITLE:
**YORKVILLE HOTEL &
APARTMENTS LIMITED**

CLIENT:
DELOMIS

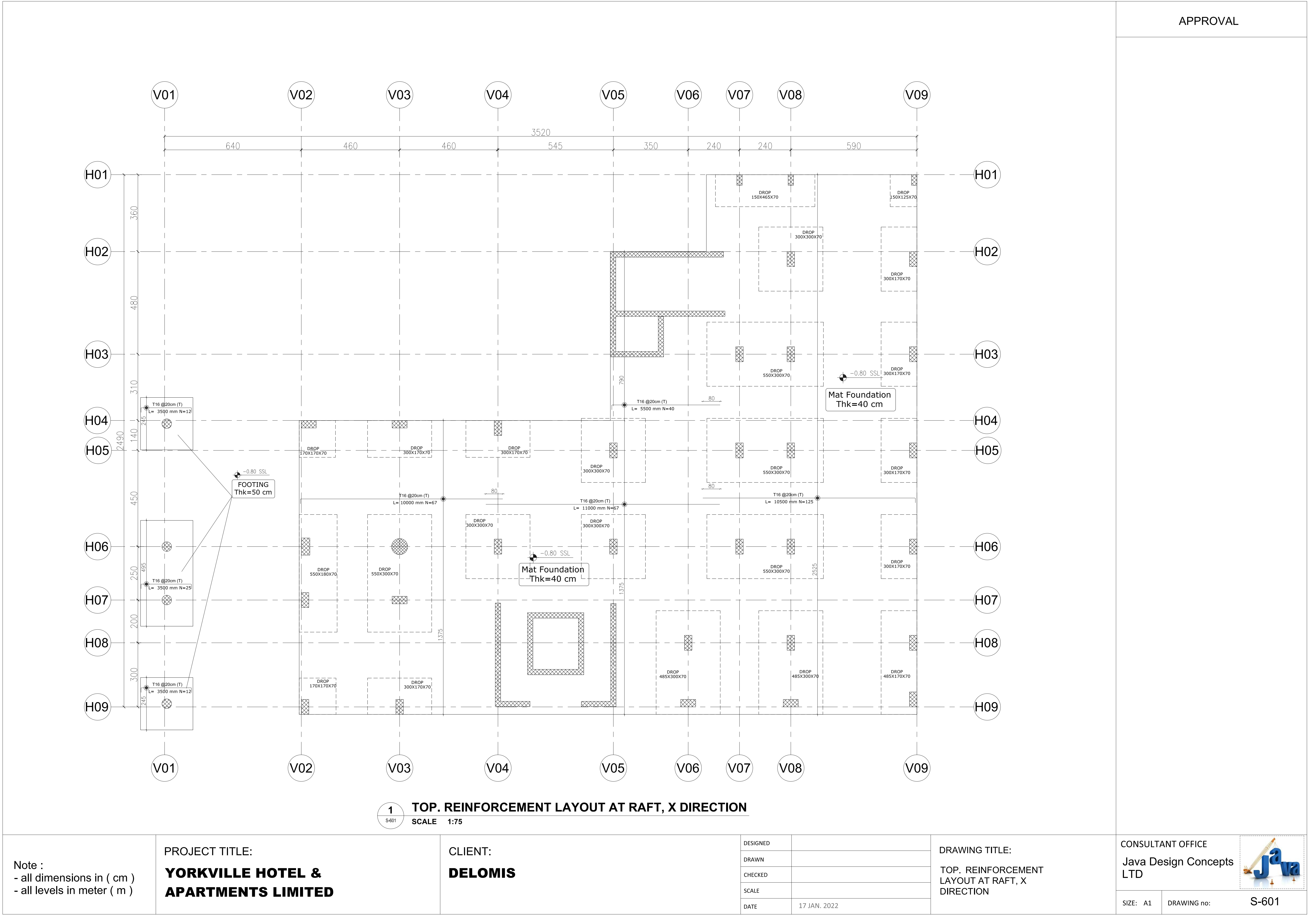
DESIGNED	
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CHECKED	
SCALE	
DATE	17 JAN. 2022

DRAWING TITLE:
**TOP. REINFORCEMENT
LAYOUT AT RAFT, Y
DIRECTION**

CONSULTANT OFFICE
**Java Design Concepts
LTD**



SIZE: A1 DRAWING no: **S-600**



APPROVAL

Note :
- all dimensions in (cm)
- all levels in meter (m)

PROJECT TITLE:
**YORKVILLE HOTEL &
APARTMENTS LIMITED**

CLIENT:
DELOMIS

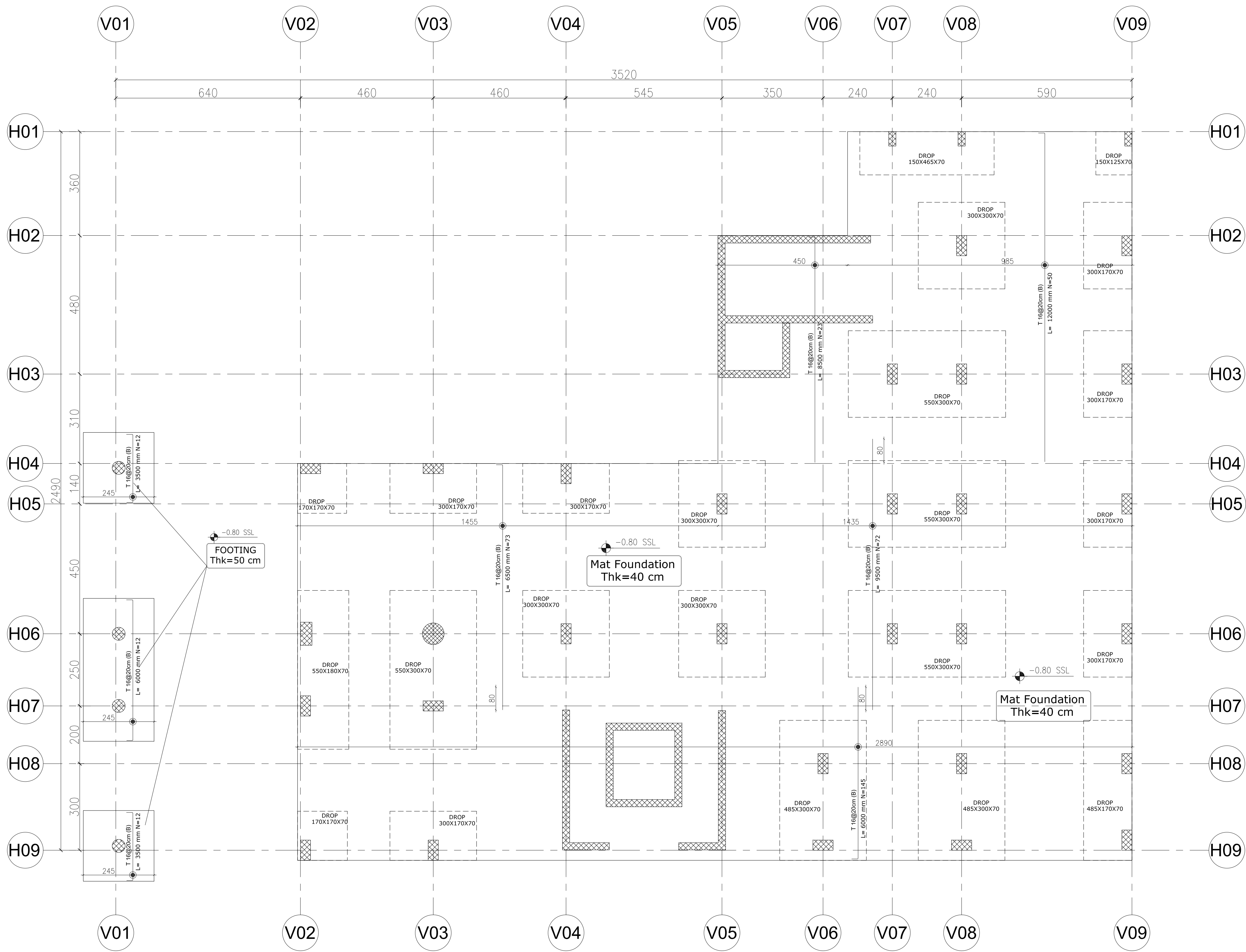
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CHECKED	
SCALE	
DATE	17 JAN. 2022

DRAWING TITLE:
TOP. REINFORCEMENT
LAYOUT AT RAFT, X
DIRECTION

CONSULTANT OFFICE
**Java Design Concepts
LTD**

SIZE: A1	DRAWING no:	S-601
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1 BOT. REINFORCEMENT LAYOUT AT RAFT, Y DIRECTION
S-602 SCALE 1:75

Note :
- all dimensions in (cm)
- all levels in meter (m)

PROJECT TITLE:
**YORKVILLE HOTEL &
APARTMENTS LIMITED**

CLIENT:
DELOMIS

DESIGNED	
DRAWN	
CHECKED	
SCALE	
DATE	17 JAN. 2022

DRAWING TITLE:
BOT. REINFORCEMENT
LAYOUT AT RAFT, Y
DIRECTION

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Java Design Concepts
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1 BOT. REINFORCEMENT LAYOUT AT RAFT, X DIRECTION
SCALE 1:75

APPROVAL

Note :
- all dimensions in (cm)
- all levels in meter (m)

PROJECT TITLE:
**YORKVILLE HOTEL &
APARTMENTS LIMITED**

CLIENT:
DELOMIS

DESIGNED	
DRAWN	
CHECKED	
SCALE	
DATE	17 JAN. 2022

DRAWING TITLE:
BOT. REINFORCEMENT
LAYOUT AT RAFT, X
DIRECTION

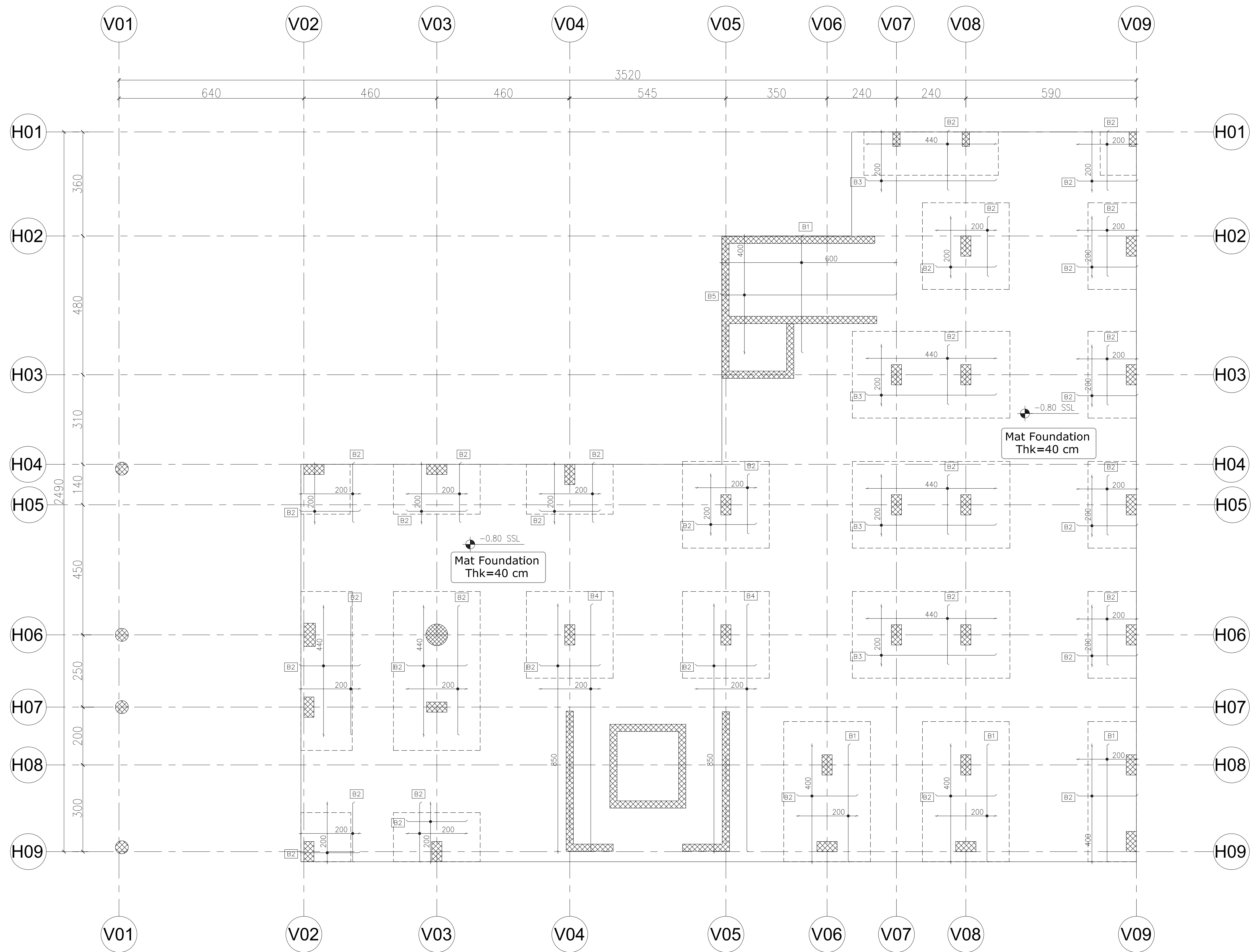
CONSULTANT OFFICE
Java Design Concepts
LTD



SIZE: A1 DRAWING no: S-603

ADDITIONAL BARS SCHEDULE:

TAG	DIMENSIONS	DETAILS	LENGHT
B1	BOTTOM REINF.	T16 @ 20cm	400cm
B2	BOTTOM REINF.	T16 @ 20cm	200cm
B3	BOTTOM REINF.	T16 @ 20cm	440cm
B4	BOTTOM REINF.	T16 @ 20cm	850cm
B5	BOTTOM REINF.	T16 @ 20cm	600cm



1
S-604

SCALE 1:75

Note :

- all dimensions in (cm)
- all levels in meter (m)

PROJECT TITLE:

**YORKVILLE HOTEL &
APARTMENTS LIMITED**

CLIENT:
DELOMIS

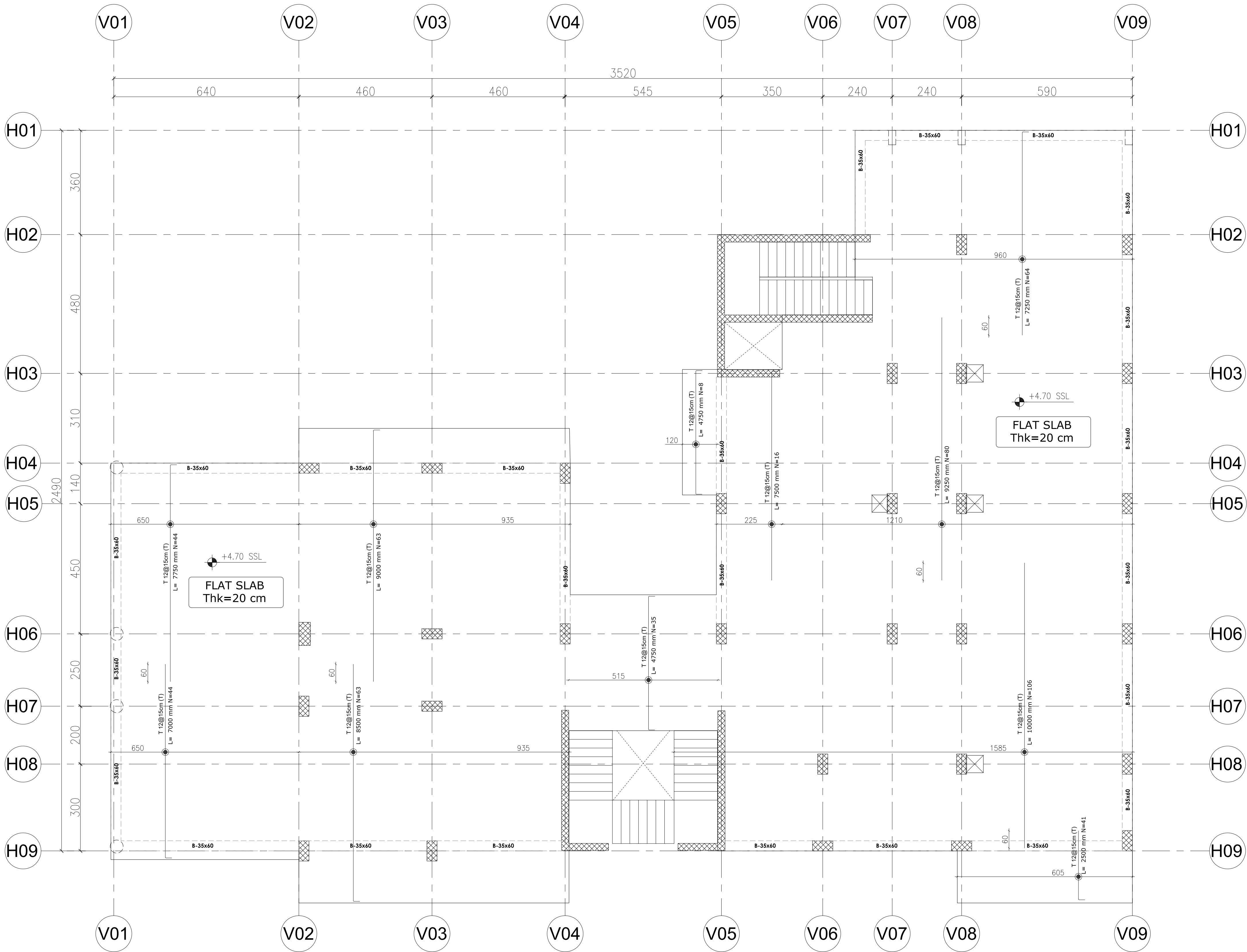
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CHECKED	
SCALE	
DATE	17 JAN. 2022

DRAWING TITLE:
ADD. REINFORCEMENT
LAYOUT AT RAFT

CONSULTANT OFFICE
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SIZE: A1	DRAWING no: S-604
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1 TOP. REINF. LAYOUT AT 1ST FLOOR, Y DIRECTION
S-605 SCALE 1:75

Note :
- all dimensions in (cm)
- all levels in meter (m)

PROJECT TITLE:
**YORKVILLE HOTEL &
APARTMENTS LIMITED**

CLIENT:
DELOMIS

DESIGNED	
DRAWN	
CHECKED	
SCALE	
DATE	17 JAN. 2022

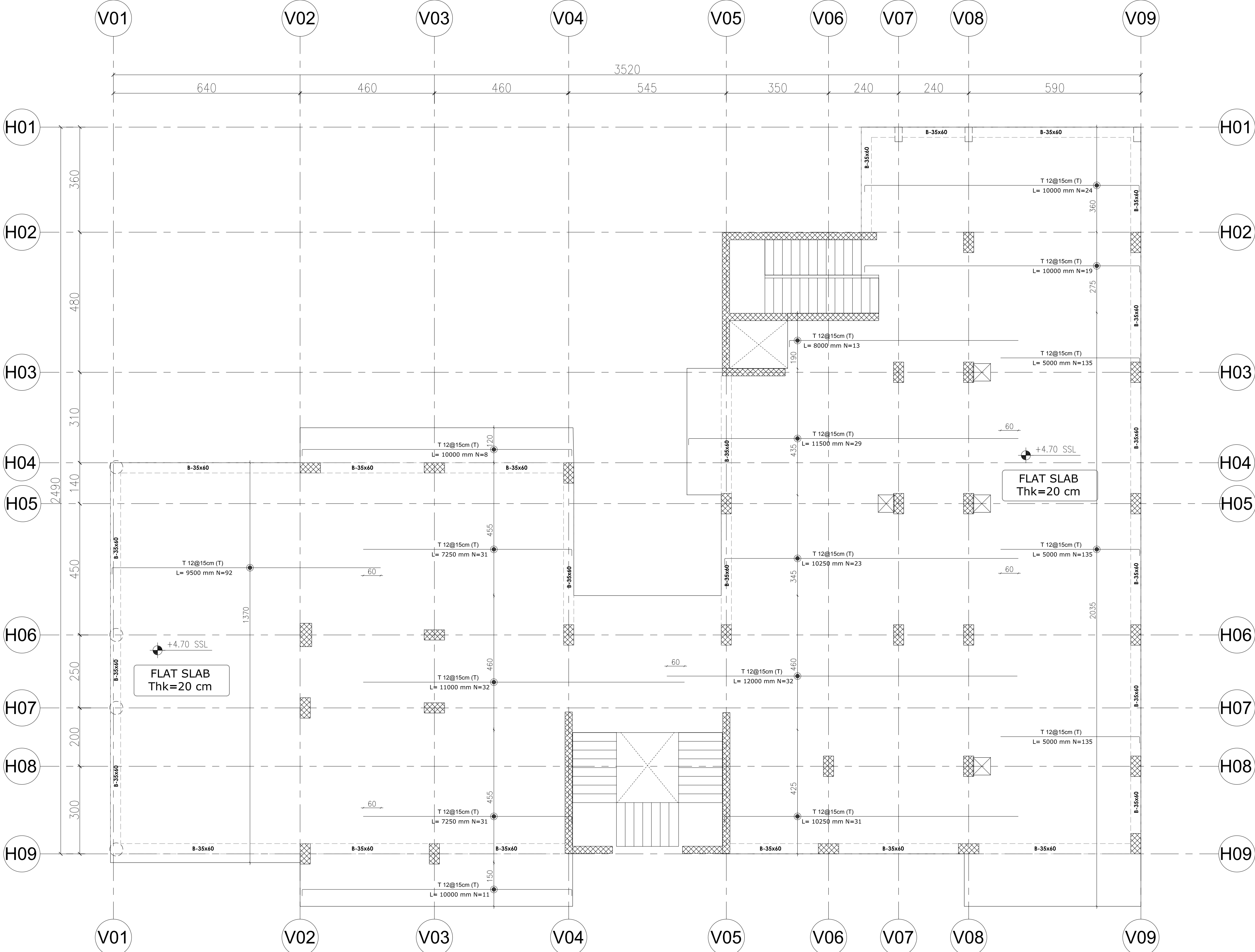
DRAWING TITLE:
TOP. REINF. LAYOUT AT
1ST FLOOR, Y
DIRECTION

CONSULTANT OFFICE
Java Design Concepts
LTD



SIZE: A1 DRAWING no: S-605

APPROVAL



1 TOP. REINF. LAYOUT AT 1ST FLOOR, X DIRECTION

Note :

- all dimensions in (cm)
- all levels in meter (m)

PROJECT TITLE:

**YORKVILLE HOTEL &
APARTMENTS LIMITED**

CLIENT:
DELOMIS

DESIGNED	
DRAWN	
CHECKED	
SCALE	
DATE	17 JAN. 2022

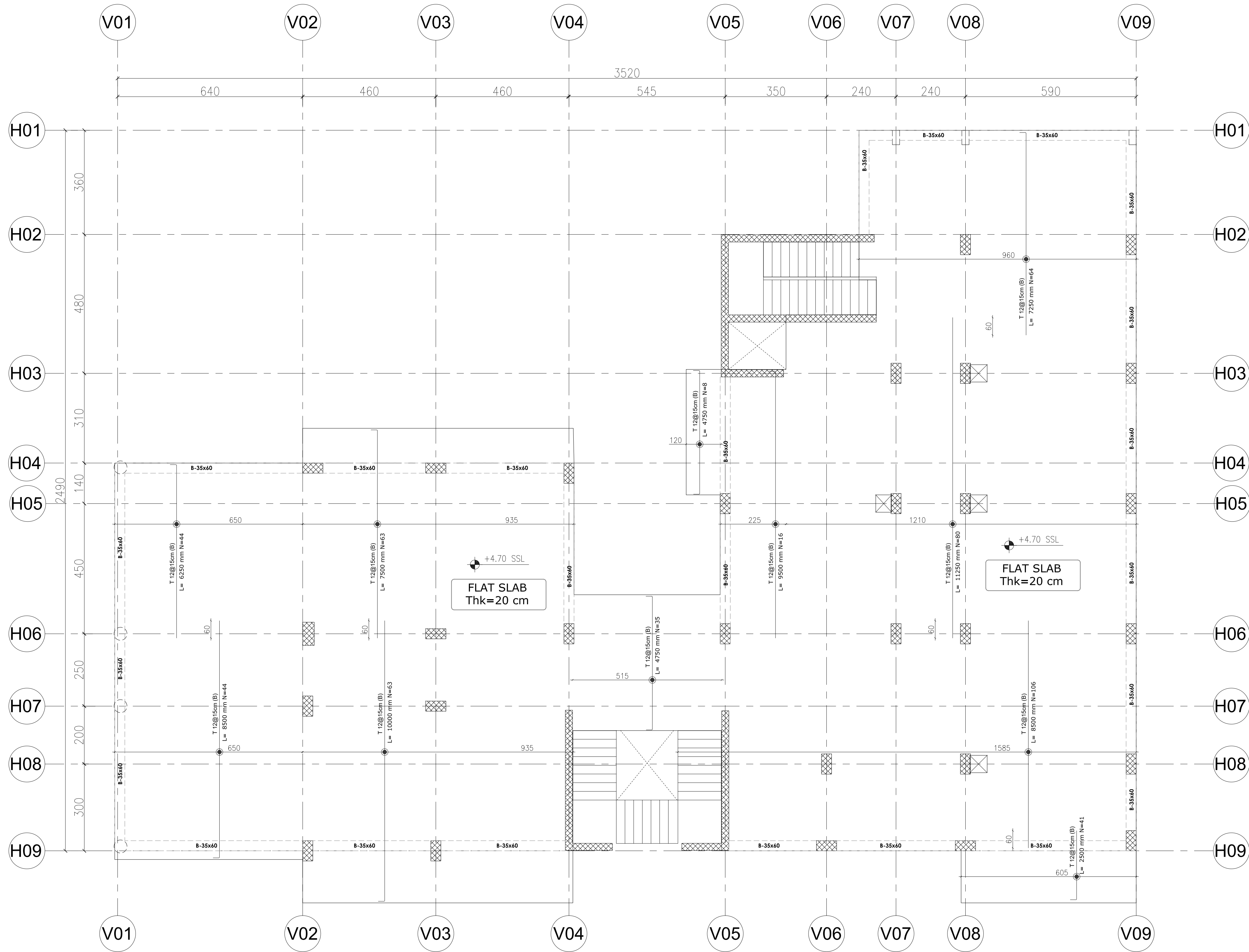
DRAWING TITLE:
TOP. REINF. LAYOUT AT
1ST FLOOR, X
DIRECTION

CONSULTANT OFFICE

Java Design Concepts
LTD



SIZE: A1 | DRAWING no: S-606



1 BOT. REINF. LAYOUT AT 1ST FLOOR, Y DIRECTION
S-607 SCALE 1:75

Note :
- all dimensions in (cm)
- all levels in meter (m)

PROJECT TITLE:
**YORKVILLE HOTEL &
APARTMENTS LIMITED**

CLIENT:
DELOMIS

DESIGNED	
DRAWN	
CHECKED	
SCALE	
DATE	17 JAN. 2022

DRAWING TITLE:
BOT. REINF. LAYOUT AT
1ST FLOOR, Y
DIRECTION

CONSULTANT OFFICE
Java Design Concepts
LTD

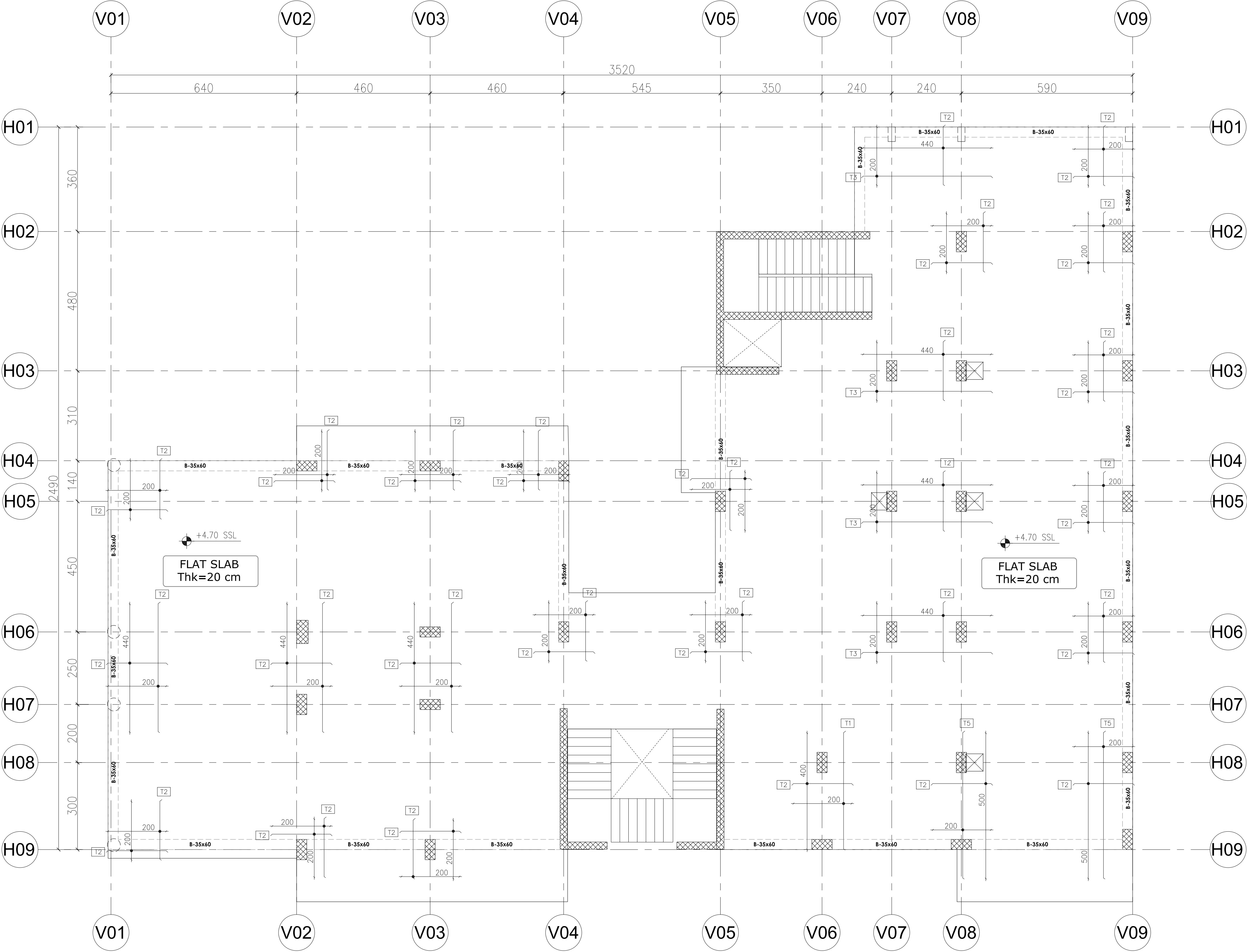


SIZE: A1 DRAWING no: S-607

APPROVAL

ADDITIONAL BARS SCHEDULE:

TAG	DIMENSIONS	DETAILS	LENGHT
T1	TOP REINF.	T12 @ 15cm	400cm
T2	TOP REINF.	T12 @ 15cm	200cm
T3	TOP REINF.	T12 @ 15cm	440cm
T4	TOP REINF.	T12 @ 15cm	500cm



1 ADD. REINFORCEMENT LAYOUT AT 1ST FLOOR
S-609 SCALE 1:75

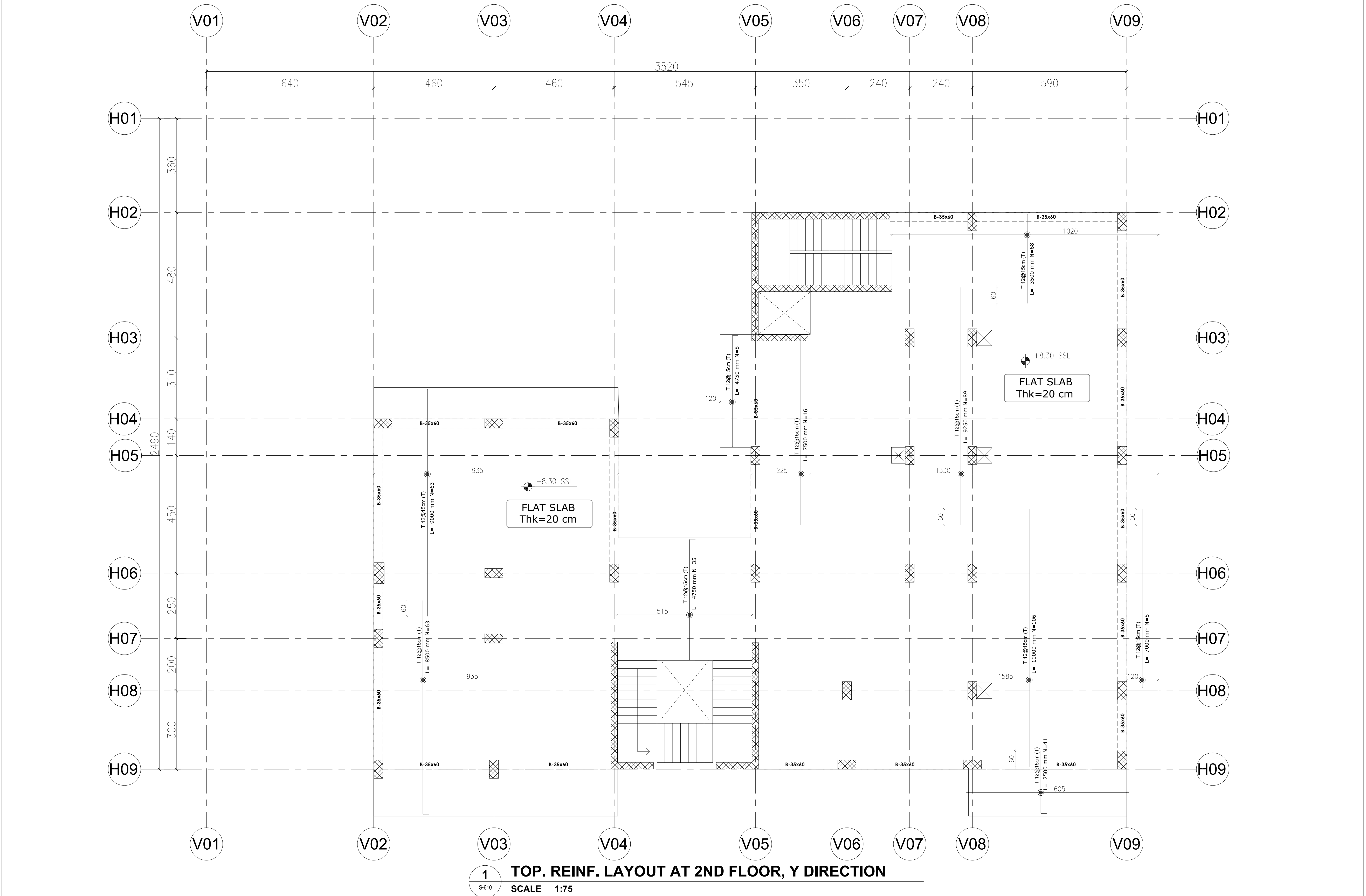
Note :
- all dimensions in (cm)
- all levels in meter (m)

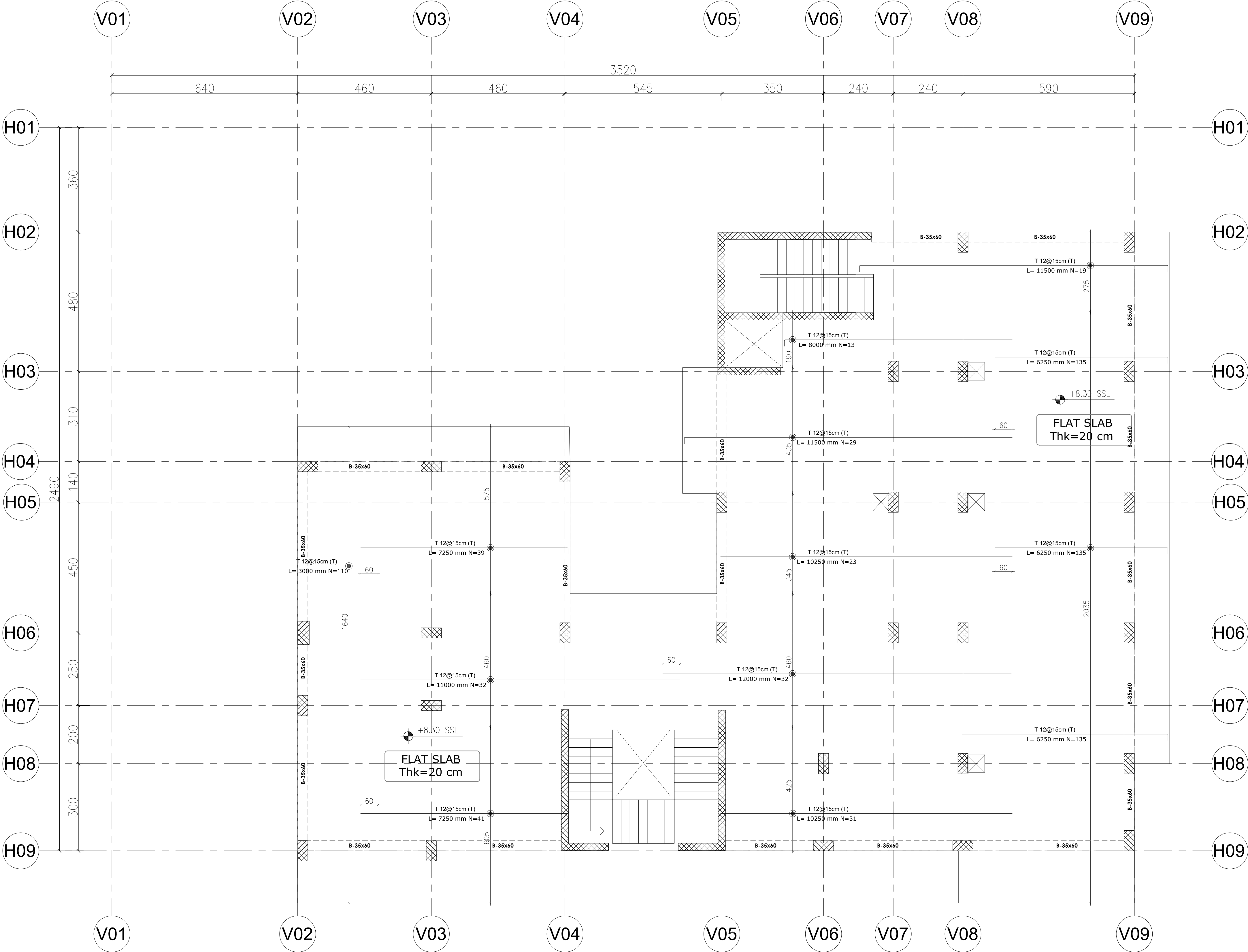
PROJECT TITLE:
**YORKVILLE HOTEL &
APARTMENTS LIMITED**

CLIENT:
DELOMIS

DESIGNED	
DRAWN	
CHECKED	
SCALE	
DATE	17 JAN. 2022

DRAWING TITLE:
ADD. REINFORCEMENT
LAYOUT AT 1ST FLOOR





1 TOP. REINF. LAYOUT AT 2ND FLOOR, X DIRECTION
S-611 SCALE 1:75

Note :
- all dimensions in (cm)
- all levels in meter (m)

PROJECT TITLE:
**YORKVILLE HOTEL &
APARTMENTS LIMITED**

CLIENT:
DELOMIS

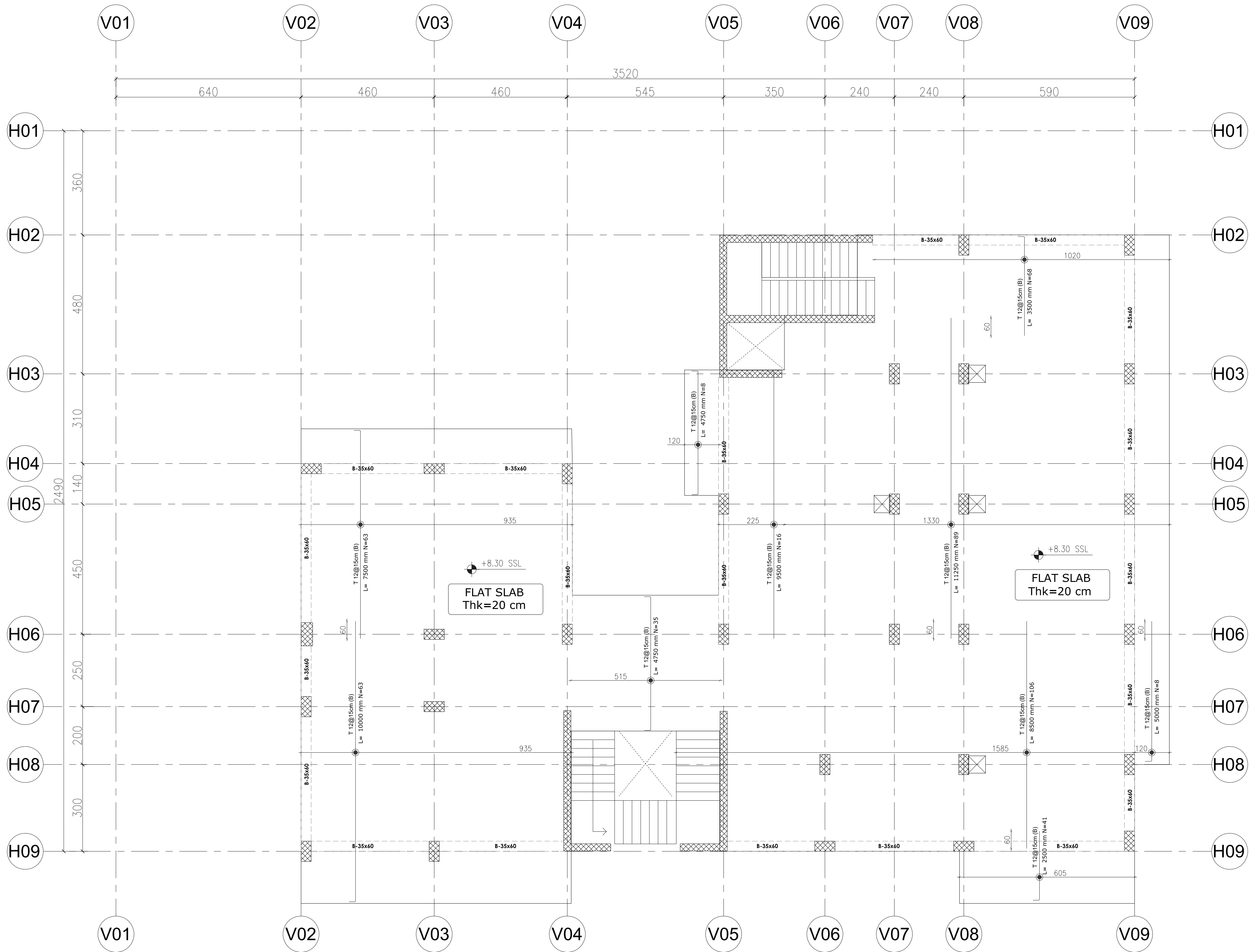
DESIGNED	
DRAWN	
CHECKED	
SCALE	
DATE	17 JAN. 2022

DRAWING TITLE:
TOP. REINF. LAYOUT AT
2ND FLOOR, X
DIRECTION

CONSULTANT OFFICE
Java Design Concepts
LTD



SIZE: A1 DRAWING no: S-611



1 BOT. REINF. LAYOUT AT 2ND FLOOR, Y DIRECTION
S-612 SCALE 1:75

Note :
- all dimensions in (cm)
- all levels in meter (m)

PROJECT TITLE:
**YORKVILLE HOTEL &
APARTMENTS LIMITED**

CLIENT:
DELOMIS

DESIGNED	
DRAWN	
CHECKED	
SCALE	
DATE	17 JAN. 2022

DRAWING TITLE:
BOT. REINF. LAYOUT AT
2ND FLOOR, Y
DIRECTION

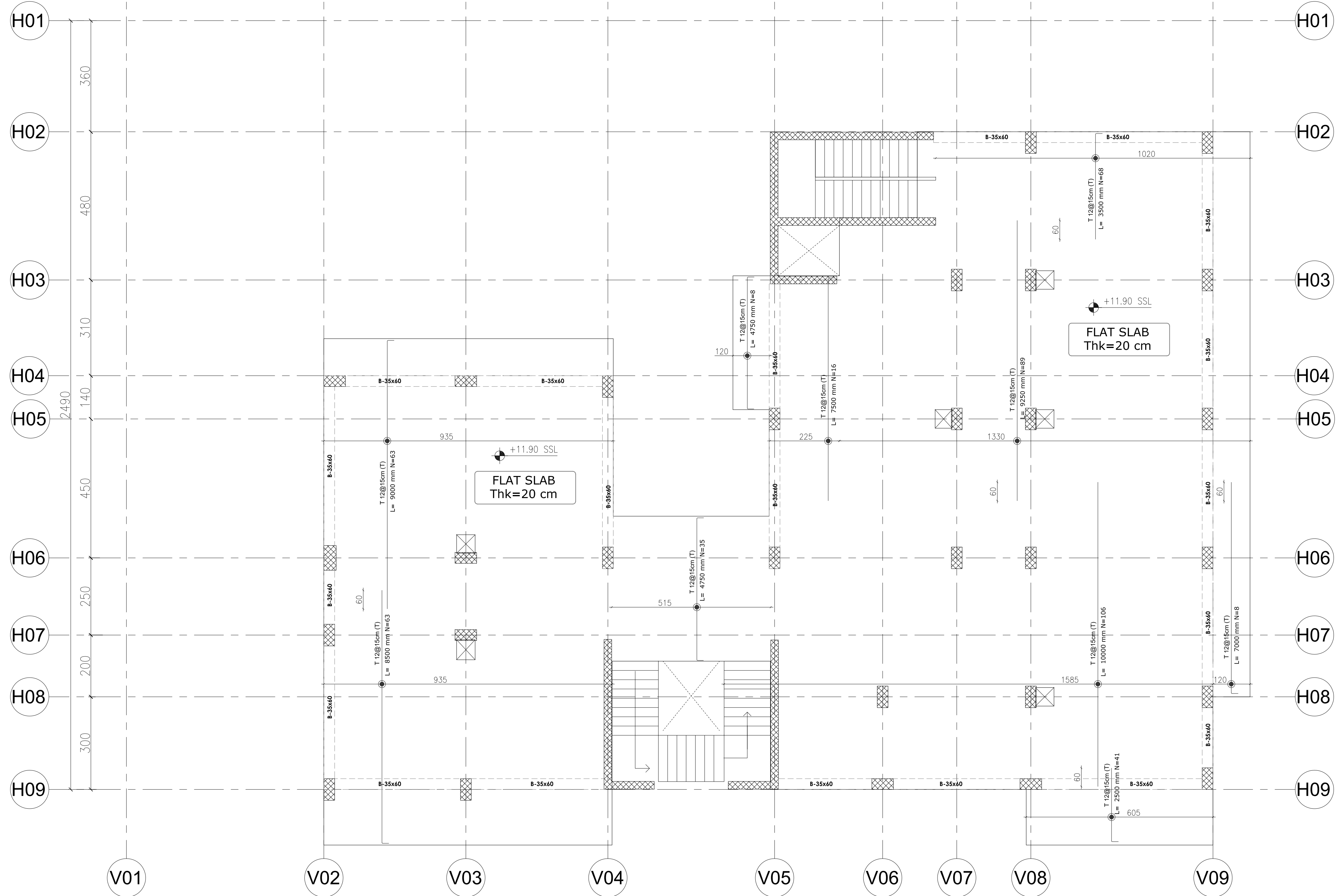
CONSULTANT OFFICE
Java Design Concepts
LTD



SIZE: A1 DRAWING no: S-612



APPROVAL



1 TOP. REINF. LAYOUT AT 3RD FLOOR, Y DIRECTION

Note :

- all dimensions in (cm)
- all levels in meter (m)

PROJECT TITLE:

**YORKVILLE HOTEL &
APARTMENTS LIMITED**

CLIENT:
DELOMIS

DESIGNED	
DRAWN	
CHECKED	
SCALE	
DATE	17 JAN. 2022

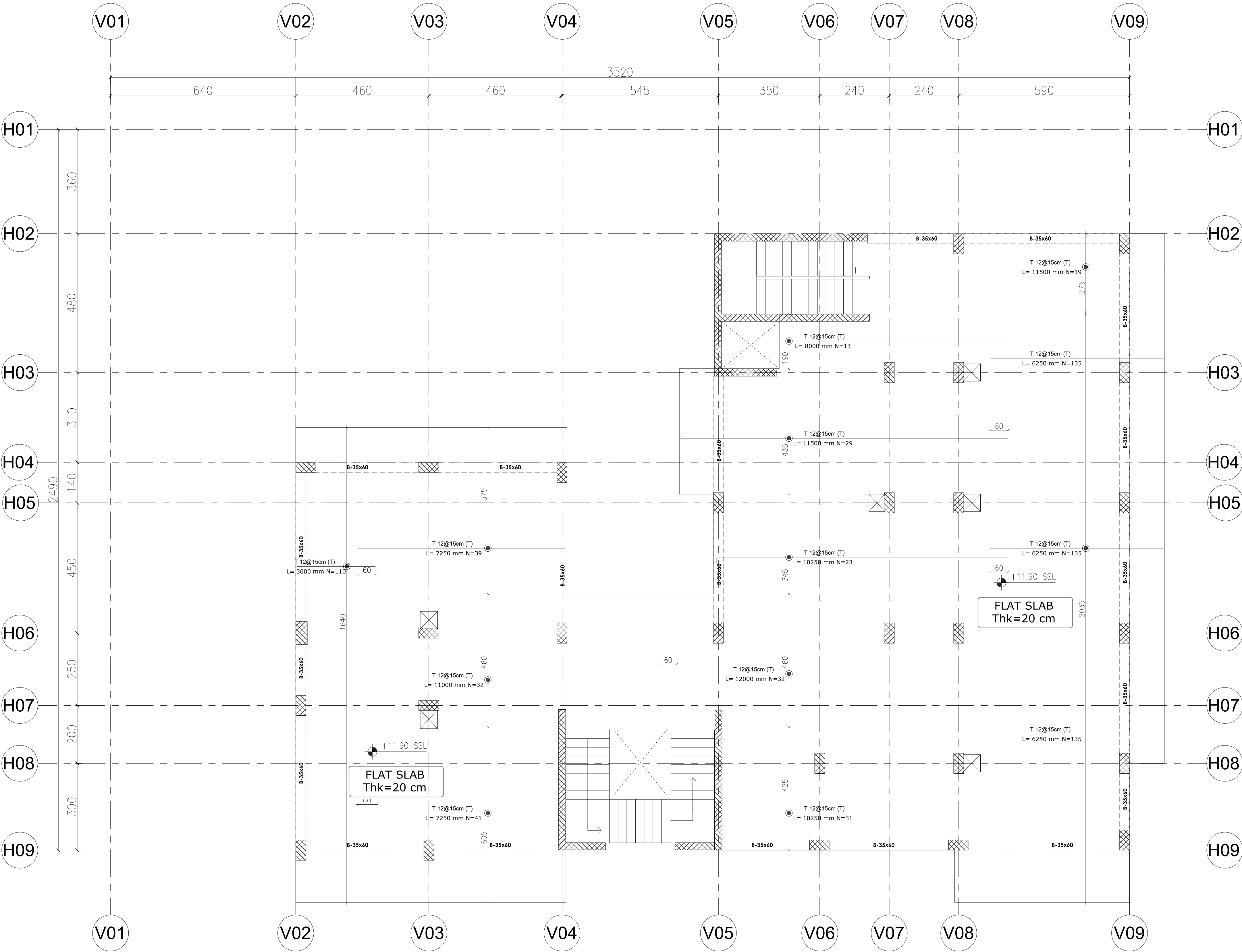
DRAWING TITLE:

TOP. REINF. LAYOUT AT
3RD FLOOR, Y
DIRECTION

CONSULTANT OFFICE
Java Design Concepts
LTD



SIZE: A1	DRAWING no:	S-615
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1 TOP. REINF. LAYOUT AT 3RD FLOOR, X DIRECTION
SCALE 1:75

Note :
- all dimensions in (cm)
- all levels in meter (m)

PROJECT TITLE:
**YORKVILLE HOTEL &
APARTMENTS LIMITED**

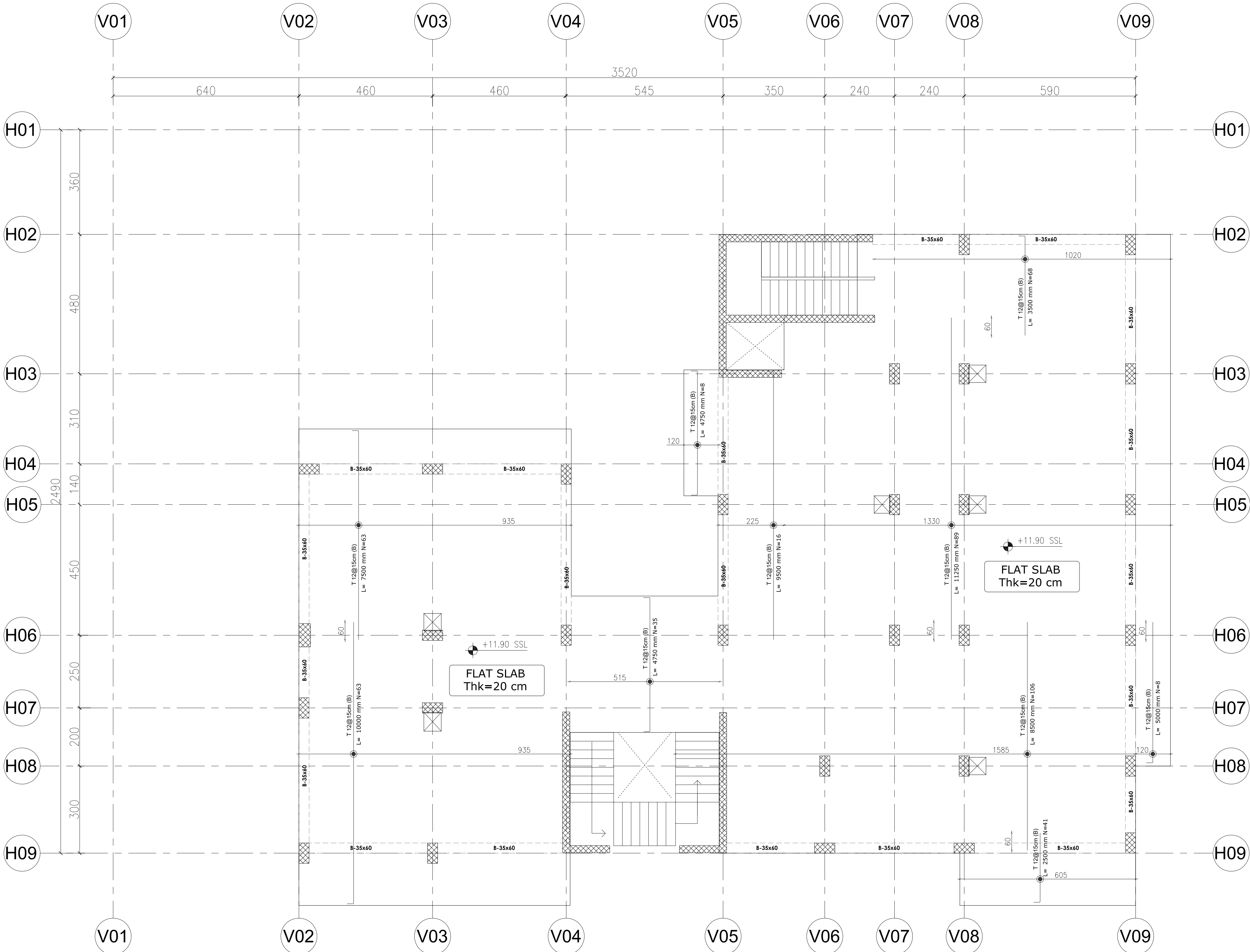
CLIENT:
DELOMIS

DESIGNED	
DRAWN	
CHECKED	
SCALE	
DATE	17 JAN. 2022

DRAWING TITLE:
**TOP. REINF. LAYOUT AT
3RD FLOOR, X
DIRECTION**

CONSULTANT OFFICE
**Java Design Concepts
LTD**





1

S-617

BOT. REINF. LAYOUT AT 3RD FLOOR, Y DIRECTION

SCALE 1:75

Note :

- all dimensions in (cm)
- all levels in meter (m)

PROJECT TITLE:

YORKVILLE HOTEL & APARTMENTS LIMITED

CLIENT:

DELOMIS

DESIGNED	
DRAWN	
CHECKED	
SCALE	
DATE	17 JAN. 2022

DRAWING TITLE:

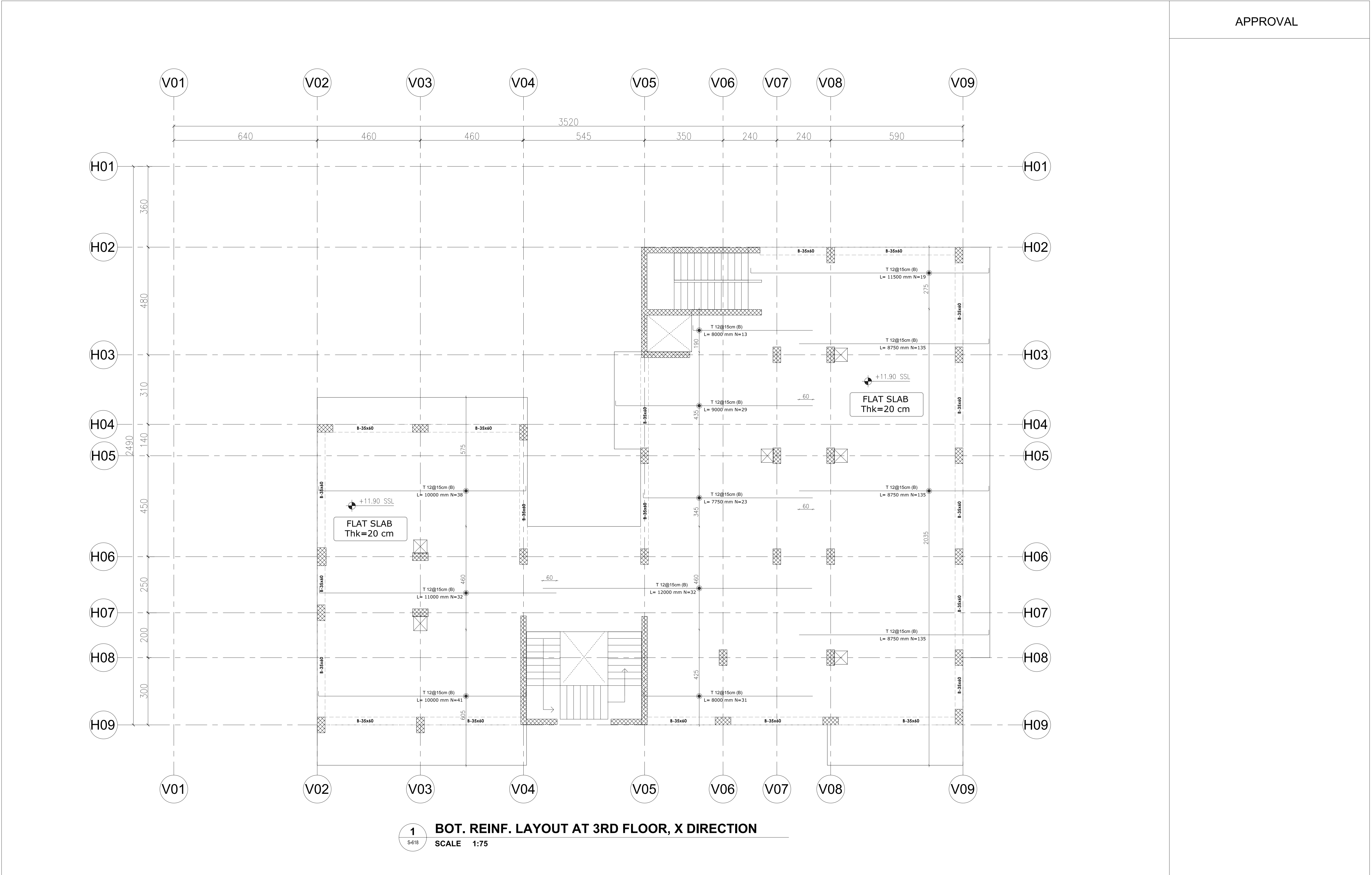
BOT. REINF. LAYOUT AT 3RD FLOOR, Y DIRECTION

CONSULTANT OFFICE

Java Design Concepts LTD



SIZE: A1 DRAWING no: S-617



APPROVAL

Note :
- all dimensions in (cm)
- all levels in meter (m)

PROJECT TITLE:
**YORKVILLE HOTEL &
APARTMENTS LIMITED**

CLIENT:
DELOMIS

DESIGNED	
DRAWN	
CHECKED	
SCALE	
DATE	17 JAN. 2022

DRAWING TITLE:
BOT. REINF. LAYOUT AT
3RD FLOOR, X
DIRECTION

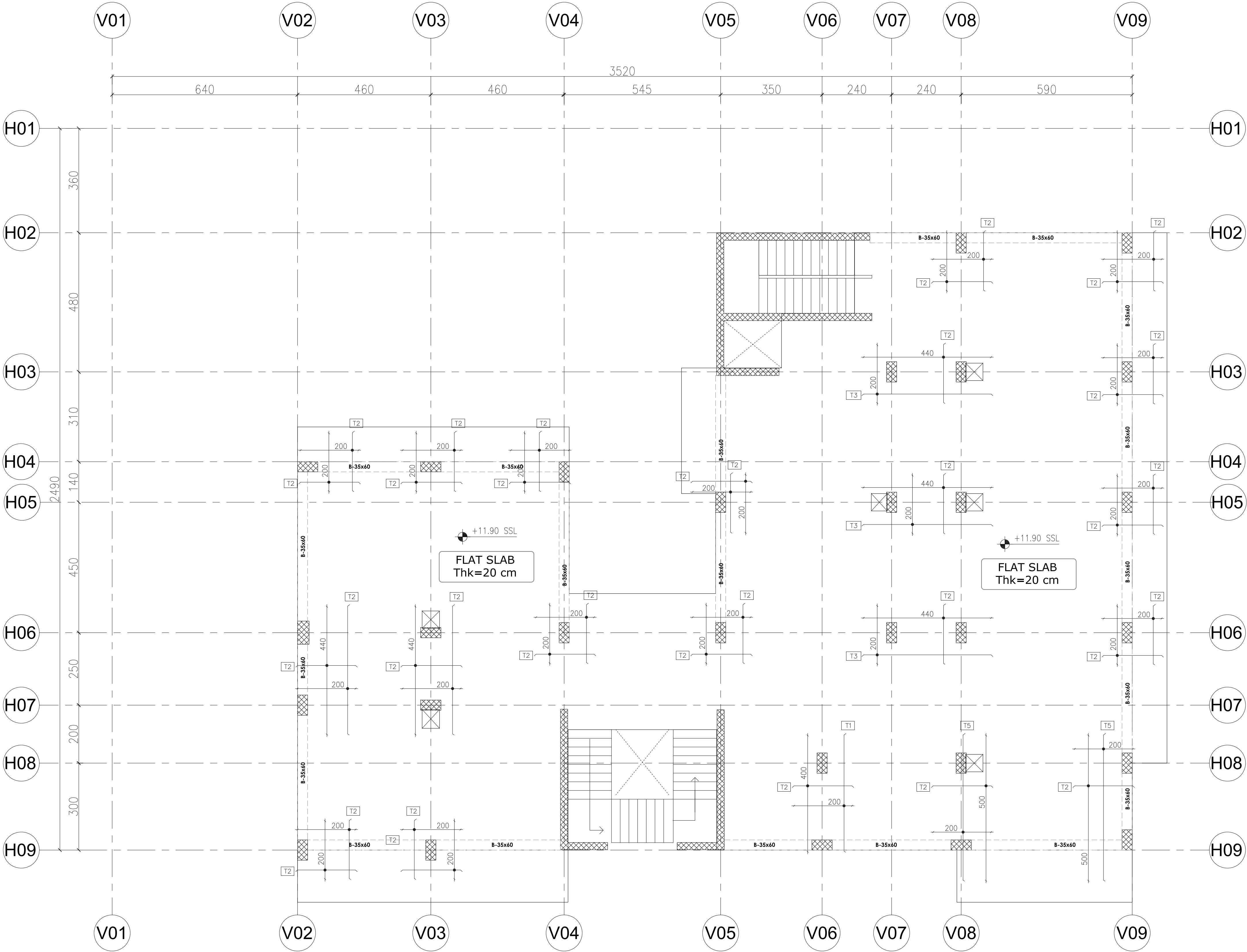
CONSULTANT OFFICE
Java Design Concepts
LTD



SIZE: A1 DRAWING no: S-618

ADDITIONAL BARS SCHEDULE:

TAG	DIMENSIONS	DETAILS	LENGHT
T1	TOP REINF.	T12 @ 15cm	400cm
T2	TOP REINF.	T12 @ 15cm	200cm
T3	TOP REINF.	T12 @ 15cm	440cm
T4	TOP REINF.	T12 @ 15cm	500cm



1 ADD. REINFORCEMENT LAYOUT AT 3RD FLOOR
S-619 SCALE 1:75

Note :
- all dimensions in (cm)
- all levels in meter (m)

PROJECT TITLE:
**YORKVILLE HOTEL &
APARTMENTS LIMITED**

CLIENT:
DELOMIS

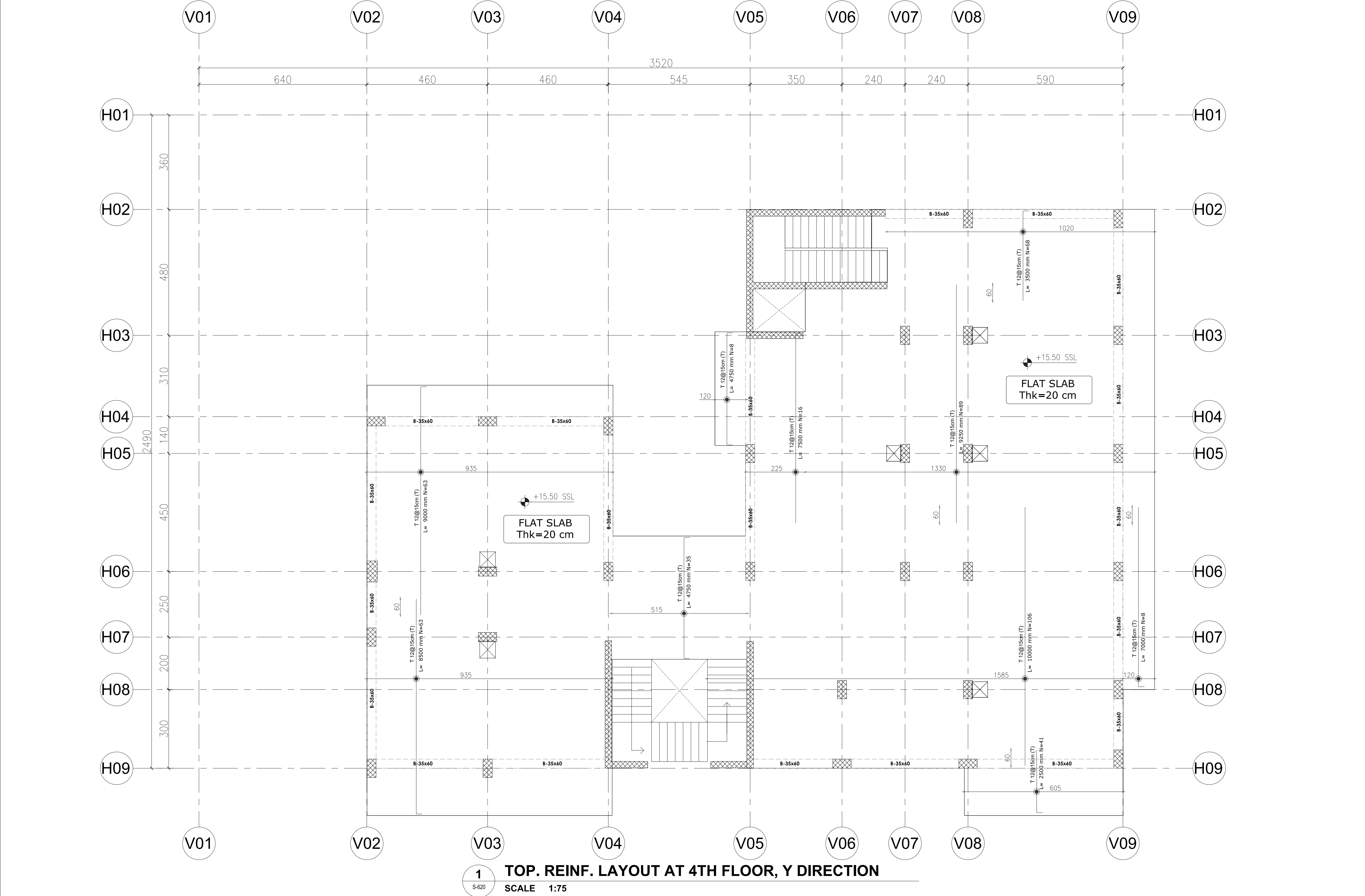
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CHECKED	
SCALE	
DATE	17 JAN. 2022

DRAWING TITLE:
ADD. REINFORCEMENT
LAYOUT AT 3RD FLOOR

CONSULTANT OFFICE
Java Design Concepts
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APPROVAL



Note :

- all dimensions in (cm)
- all levels in meter (m)

PROJECT TITLE:

**YORKVILLE HOTEL &
APARTMENTS LIMITED**

CLIENT:

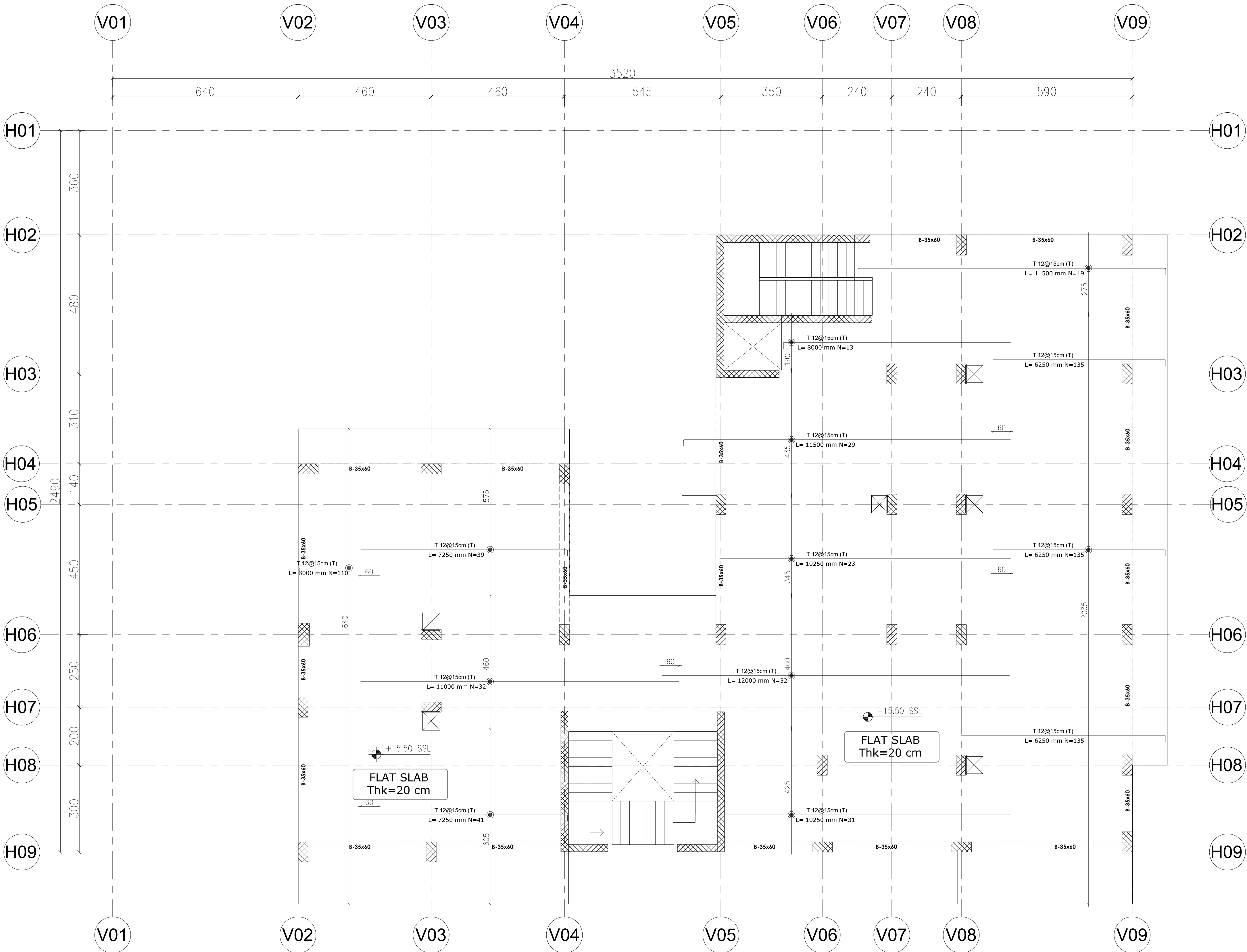
DELOMIS

DESIGNED	
DRAWN	
CHECKED	
SCALE	
DATE	17 JAN. 2022

DRAWING TITLE:
TOP. REINF. LAYOUT AT
4TH FLOOR, Y
DIRECTION

CONSULTANT OFFICE Java Design Concepts LTD		
SIZE: A1	DRAWING no:	S-620





1 TOP. REINF. LAYOUT AT 4TH FLOOR, X DIRECTION
S-621 SCALE 1:75

Note :
- all dimensions in (cm)
- all levels in meter (m)

PROJECT TITLE:
**YORKVILLE HOTEL &
APARTMENTS LIMITED**

CLIENT:
DELOMIS

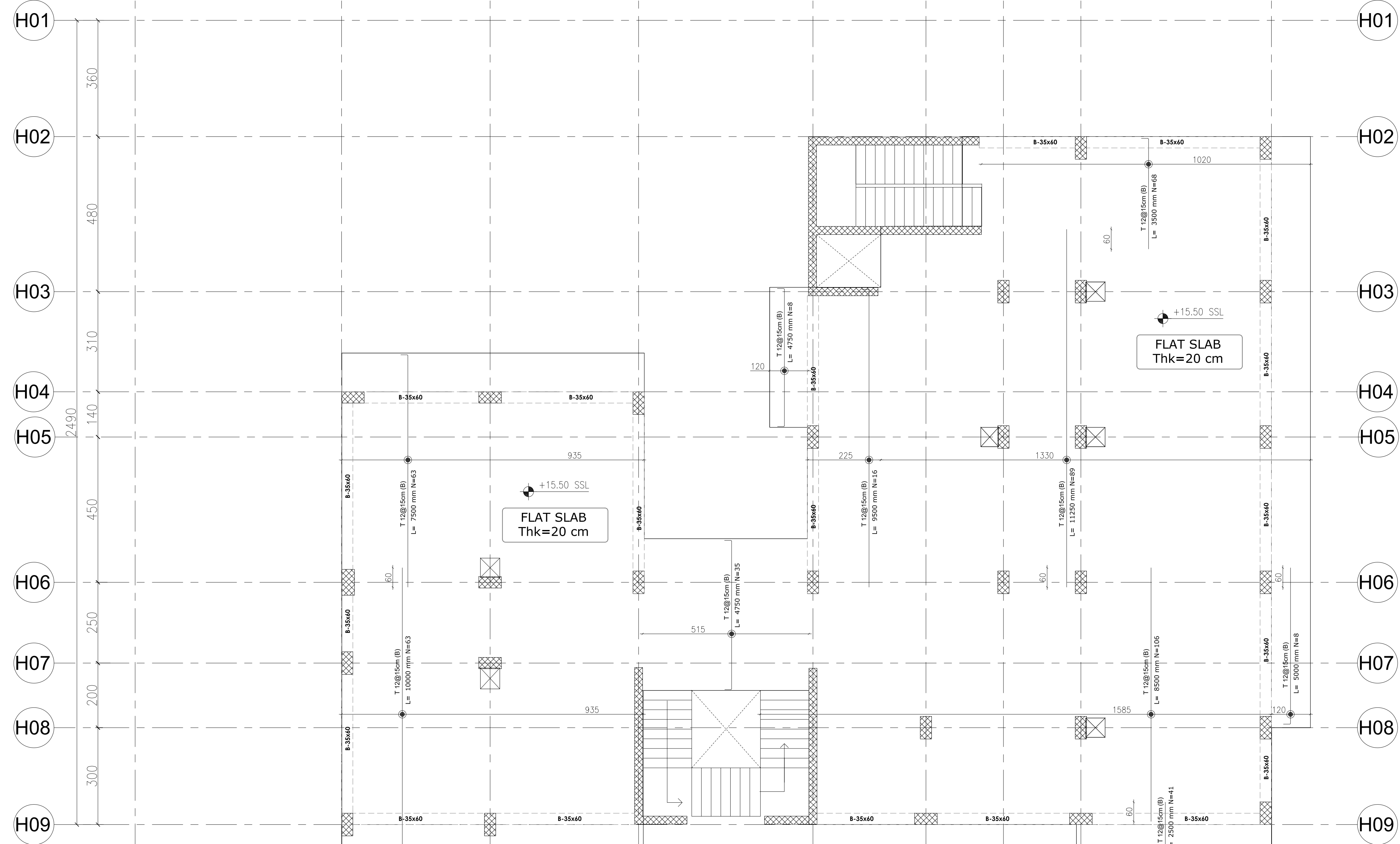
DESIGNED	
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CHECKED	
SCALE	
DATE	17 JAN. 2022

DRAWING TITLE:
TOP. REINF. LAYOUT AT
4TH FLOOR, X
DIRECTION

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APPROVAL



1 BOT. REINF. LAYOUT AT 4TH FLOOR, Y DIRECTION
S-622 SCALE 1:75

Note :

- all dimensions in (cm)
- all levels in meter (m)

PROJECT TITLE:

**YORKVILLE HOTEL &
APARTMENTS LIMITED**

CLIENT:
DELOMIS

DESIGNED	
DRAWN	
CHECKED	
SCALE	
DATE	17 JAN. 2022

DRAWING TITLE:

BOT. REINF. LAYOUT AT
4TH FLOOR, Y
DIRECTION

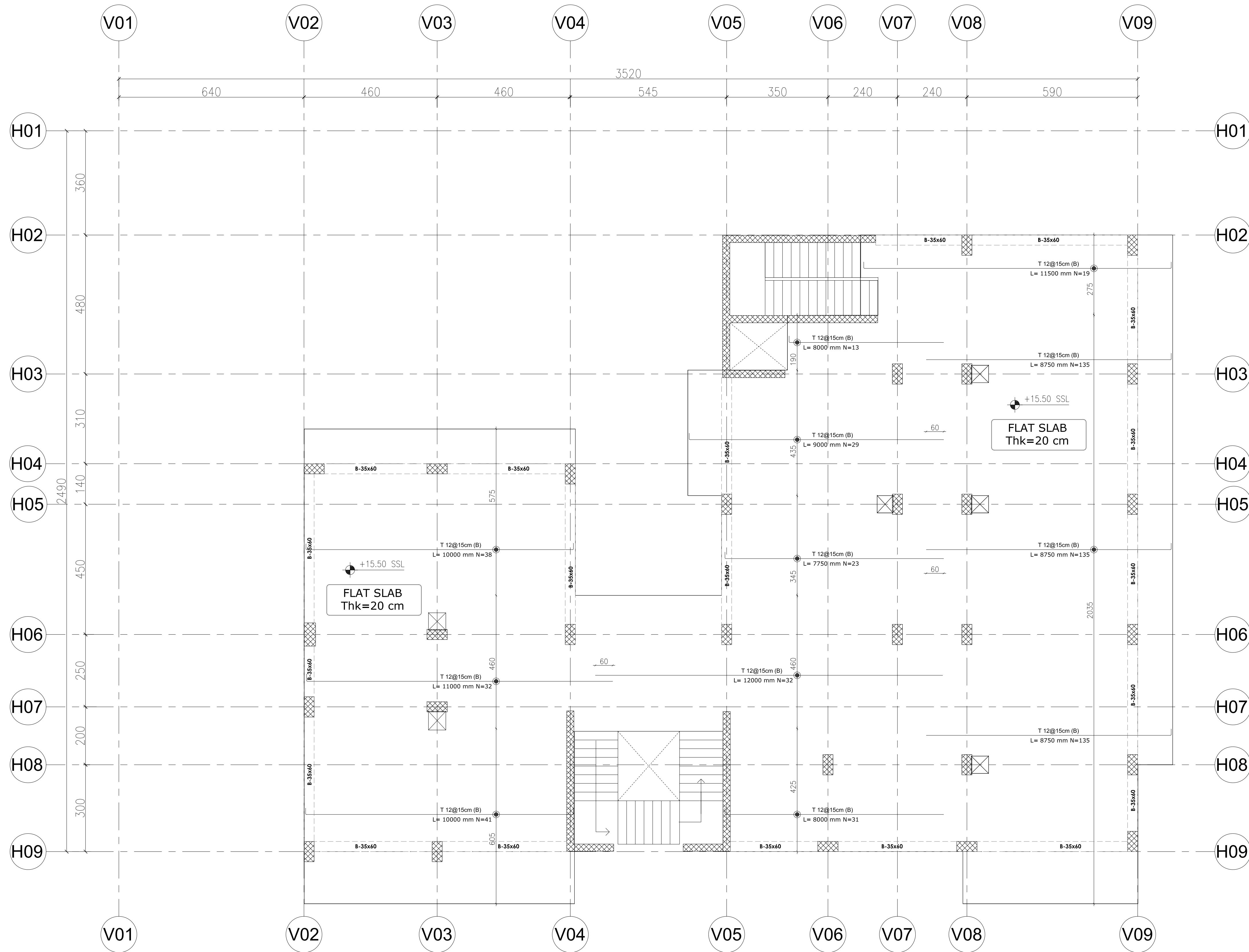
CONSULTANT OFFICE

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SIZE: A1	DRAWING no:	S-622
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APPROVAL



1 BOT. REINF. LAYOUT AT 4TH FLOOR, X DIRECTION

Note :

- all dimensions in (cm)
- all levels in meter (m)

PROJECT TITLE:

**YORKVILLE HOTEL &
APARTMENTS LIMITED**

CLIENT: **DELOMIS**

DESIGNED	
DRAWN	
CHECKED	
SCALE	
DATE	17 JAN. 2022

DRAWING TITLE: BOT. REINF. LAYOUT AT 4TH FLOOR, X DIRECTION	CONSULTANT OFFICE Java Design Concepts LTD	
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CONSULTANT OFFICE

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LTD

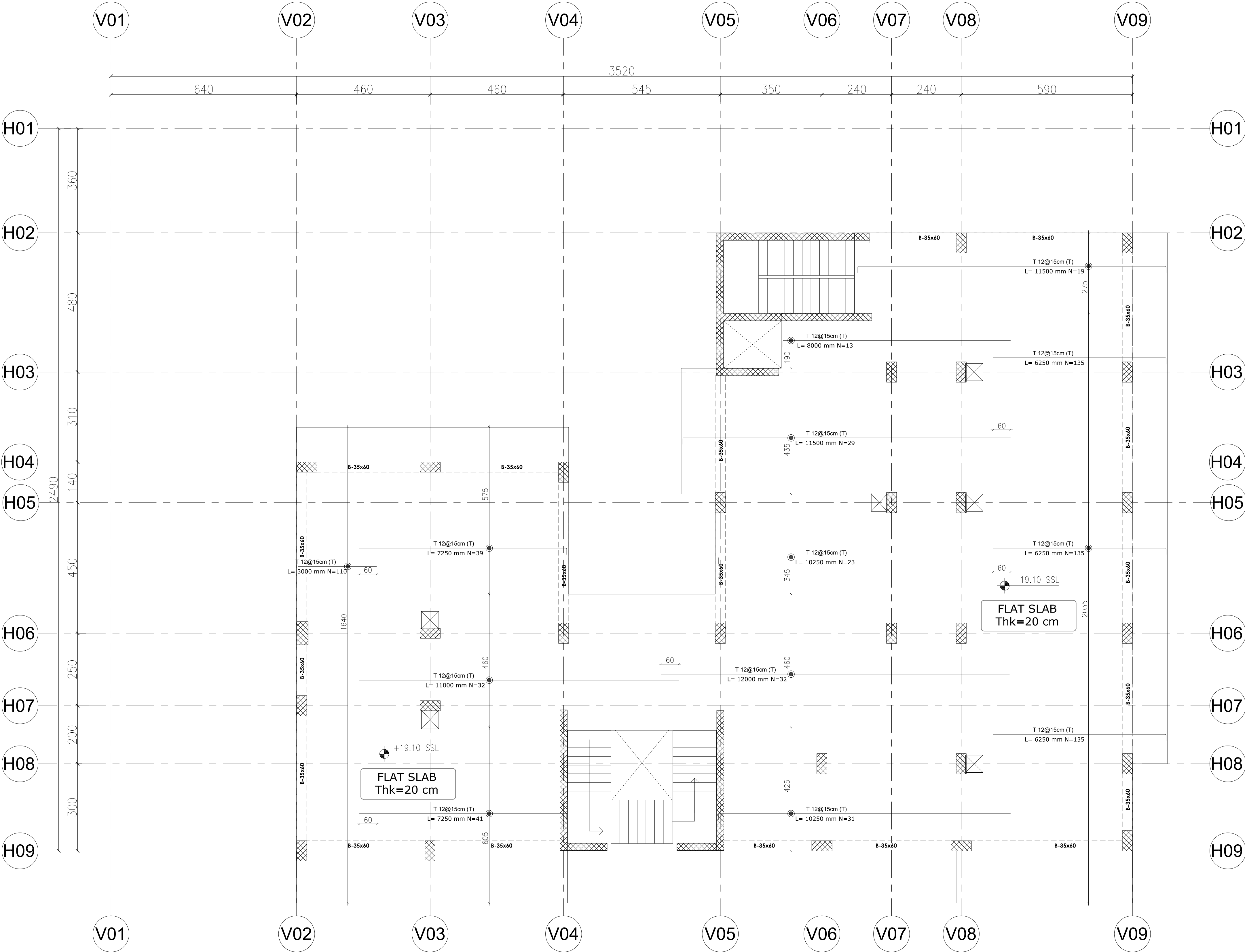
SIZE: A1	DRAWING no:	S-623
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SIZE: A1	DRAWING no:	S-625
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1 TOP. REINF. LAYOUT AT 5TH FLOOR, X DIRECTION
S-626 SCALE 1:75

Note :
- all dimensions in (cm)
- all levels in meter (m)

PROJECT TITLE:
**YORKVILLE HOTEL &
APARTMENTS LIMITED**

CLIENT:
DELOMIS

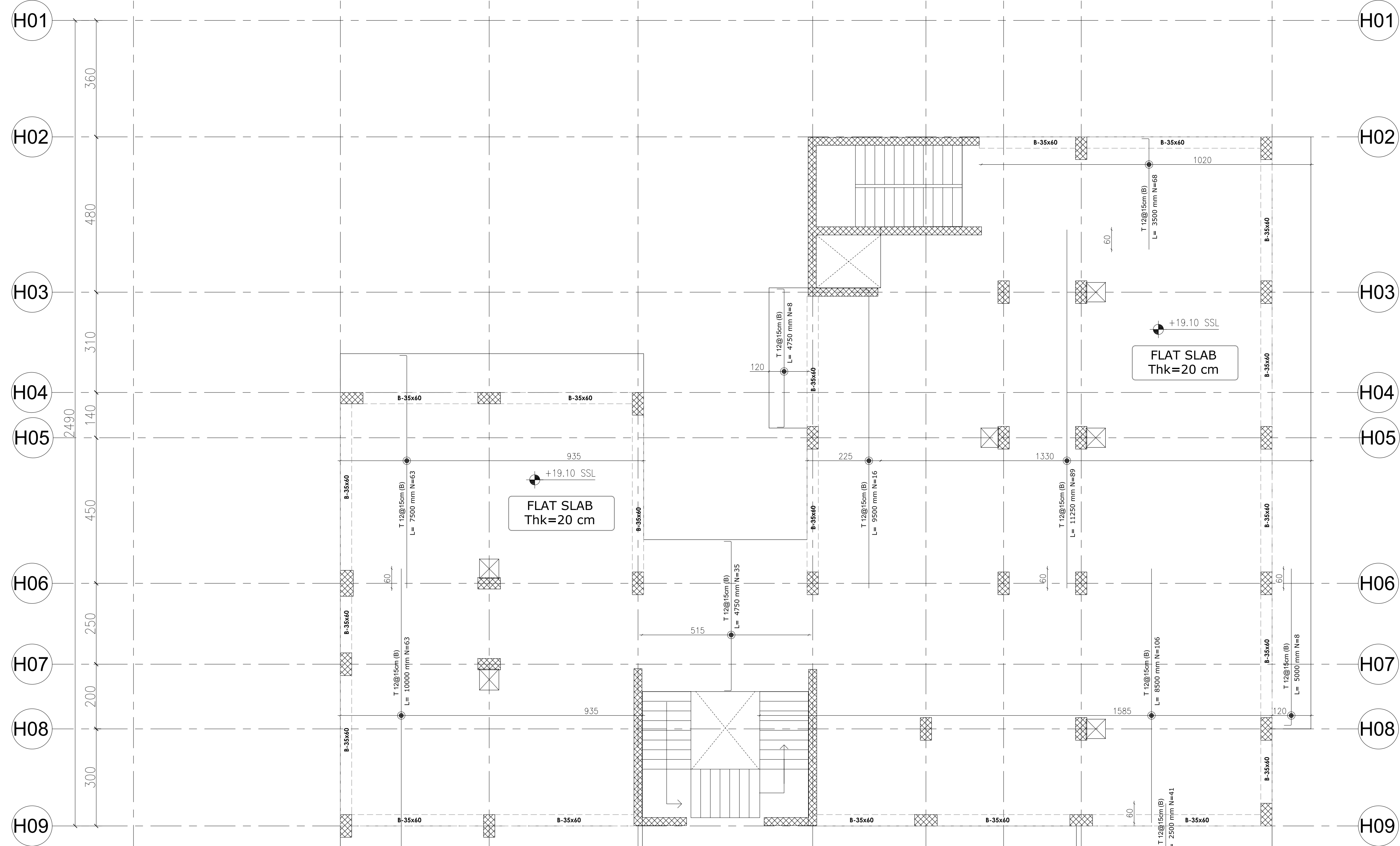
DESIGNED	
DRAWN	
CHECKED	
SCALE	
DATE	17 JAN. 2022

DRAWING TITLE:
TOP. REINF. LAYOUT AT
5TH FLOOR, X
DIRECTION

CONSULTANT OFFICE
Java Design Concepts
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APPROVAL



1

S-627

BOT. REINF. LAYOUT AT 5TH FLOOR, Y DIRECTION

SCALE

1:75

Note :

- all dimensions in (cm)
- all levels in meter (m)

PROJECT TITLE:

**YORKVILLE HOTEL &
APARTMENTS LIMITED**

CLIENT:
DELOMIS

DESIGNED	
DRAWN	
CHECKED	
SCALE	
DATE	17 JAN. 2022

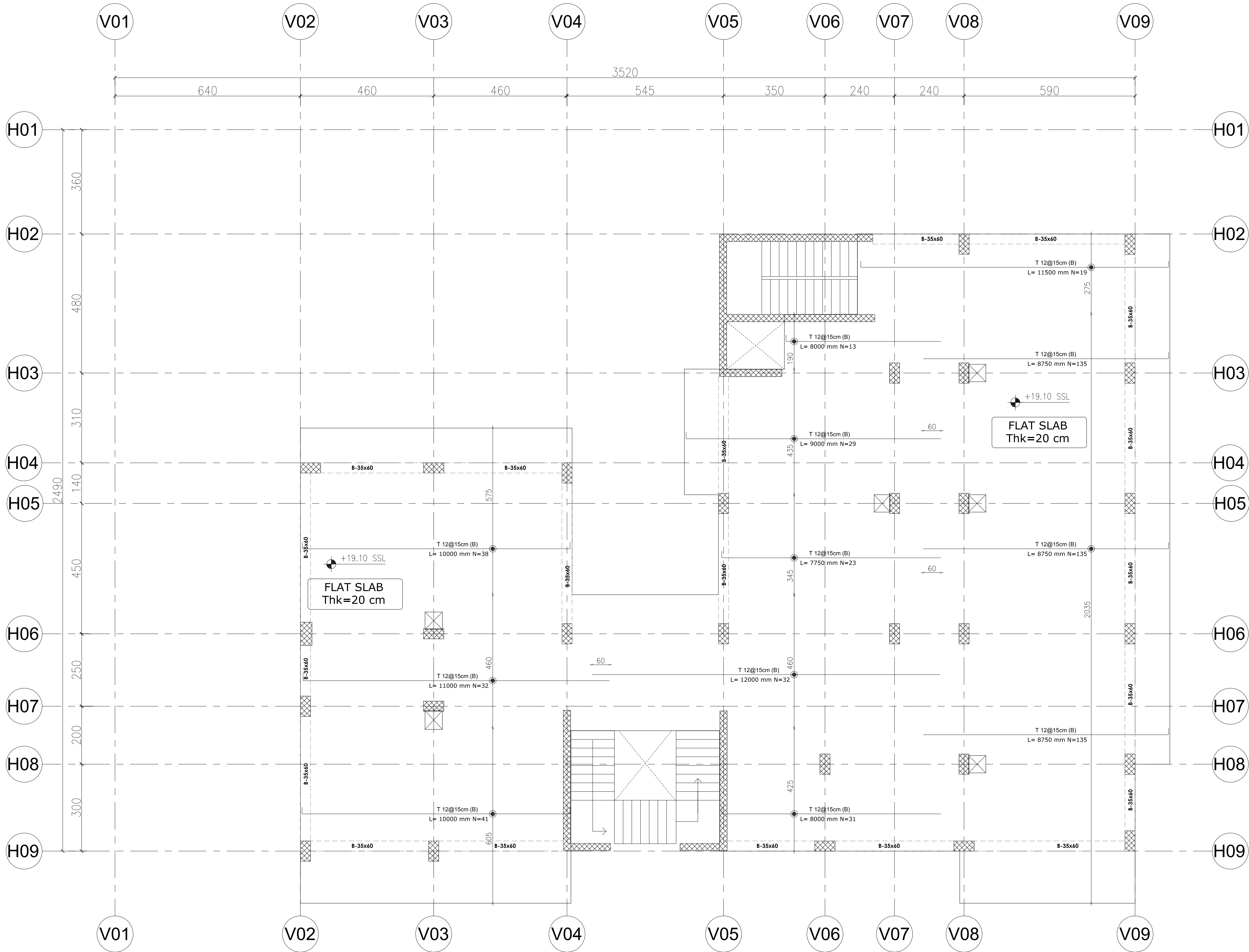
DRAWING TITLE:
BOT. REINF. LAYOUT AT
5TH FLOOR, Y
DIRECTION

CONSULTANT OFFICE

Java Design Concepts
LTD



SIZE: A1 | DRAWING no: S-627



1 BOT. REINF. LAYOUT AT 5TH FLOOR, X DIRECTION
S-628 SCALE 1:75

Note :
- all dimensions in (cm)
- all levels in meter (m)

PROJECT TITLE:
**YORKVILLE HOTEL &
APARTMENTS LIMITED**

CLIENT:
DELOMIS

DESIGNED	
DRAWN	
CHECKED	
SCALE	
DATE	17 JAN. 2022

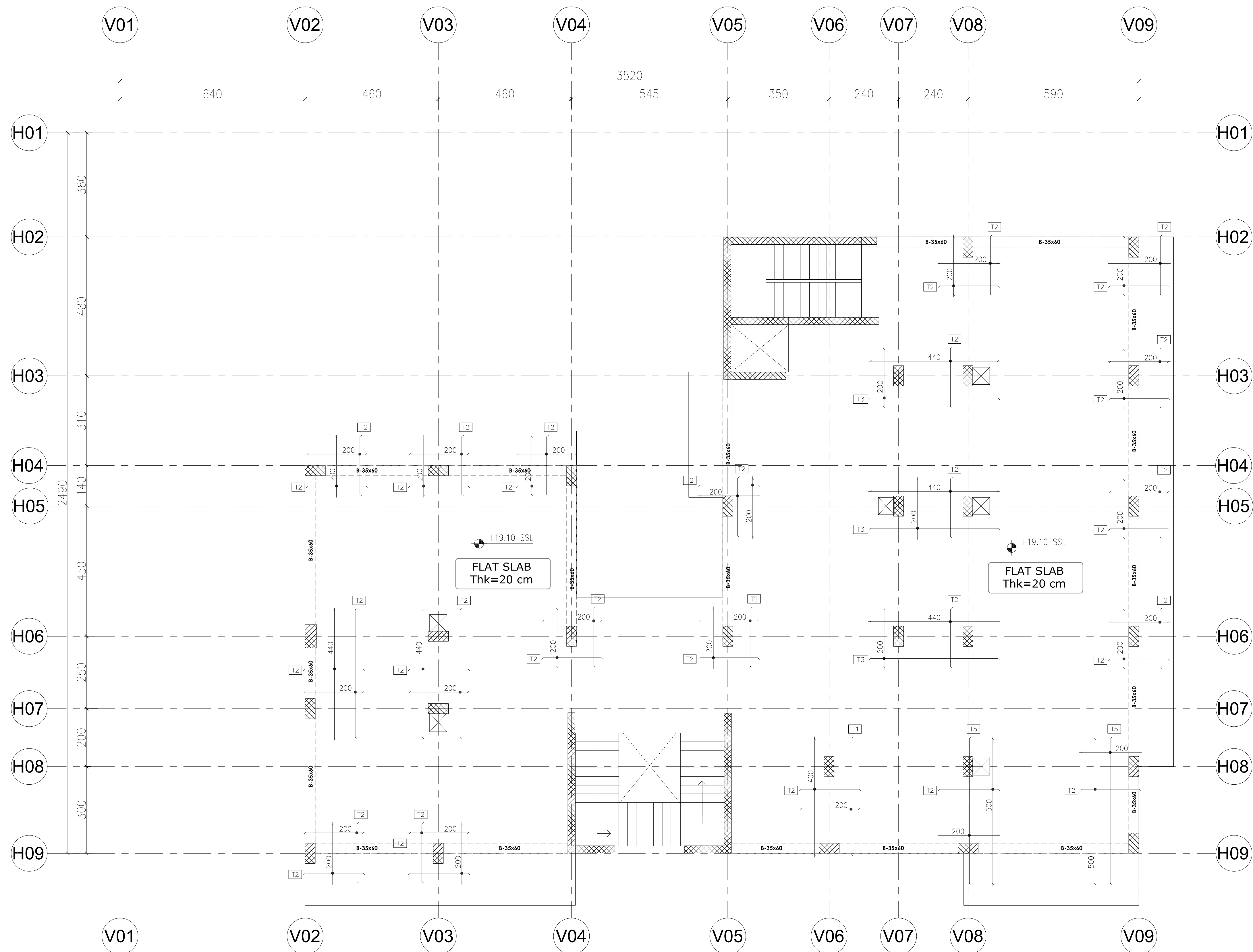
DRAWING TITLE:
BOT. REINF. LAYOUT AT
5TH FLOOR, X
DIRECTION

CONSULTANT OFFICE
**Java Design Concepts
LTD**



SIZE: A1 DRAWING no: S-628

APPROVAL



1 ADD. REINFORCEMENT LAYOUT AT 5TH FLOOR SCALE 1:75

ADDITIONAL BARS SCHEDULE:			
TAG	DIMENSIONS	DETAILS	LENGHT
T1	TOP REINF.	T12 @ 15cm	400cm
T2	TOP REINF.	T12 @ 15cm	200cm
T3	TOP REINF.	T12 @ 15cm	440cm
T4	TOP REINF.	T12 @ 15cm	500cm

Note :

- all dimensions in (cm)
- all levels in meter (m)

PROJECT TITLE:

**YORKVILLE HOTEL &
APARTMENTS LIMITED**

CLIENT:
DELOMIS

DESIGNED	
DRAWN	
CHECKED	
SCALE	
DATE	17 JAN. 2022

DRAWING TITLE:

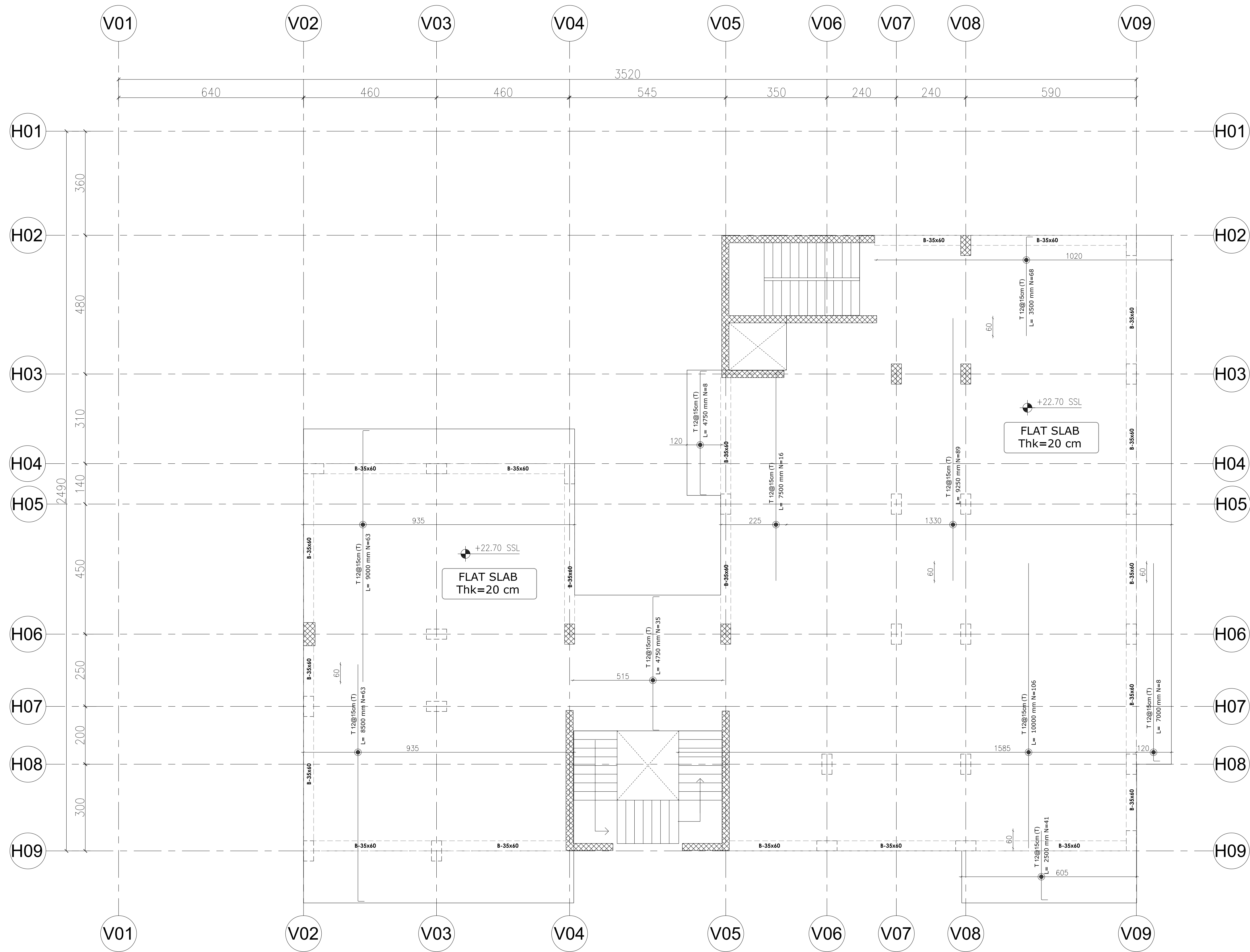
ADD. REINFORCEMENT
LAYOUT AT 5TH FLOOR

CONSULTANT OFFICE

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LTD



SIZE: A1	DRAWING no:	S-629
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1 TOP. REINF. LAYOUT AT ROOF, Y DIRECTION
S-630 SCALE 1:75

Note :
- all dimensions in (cm)
- all levels in meter (m)

PROJECT TITLE:
**YORKVILLE HOTEL &
APARTMENTS LIMITED**

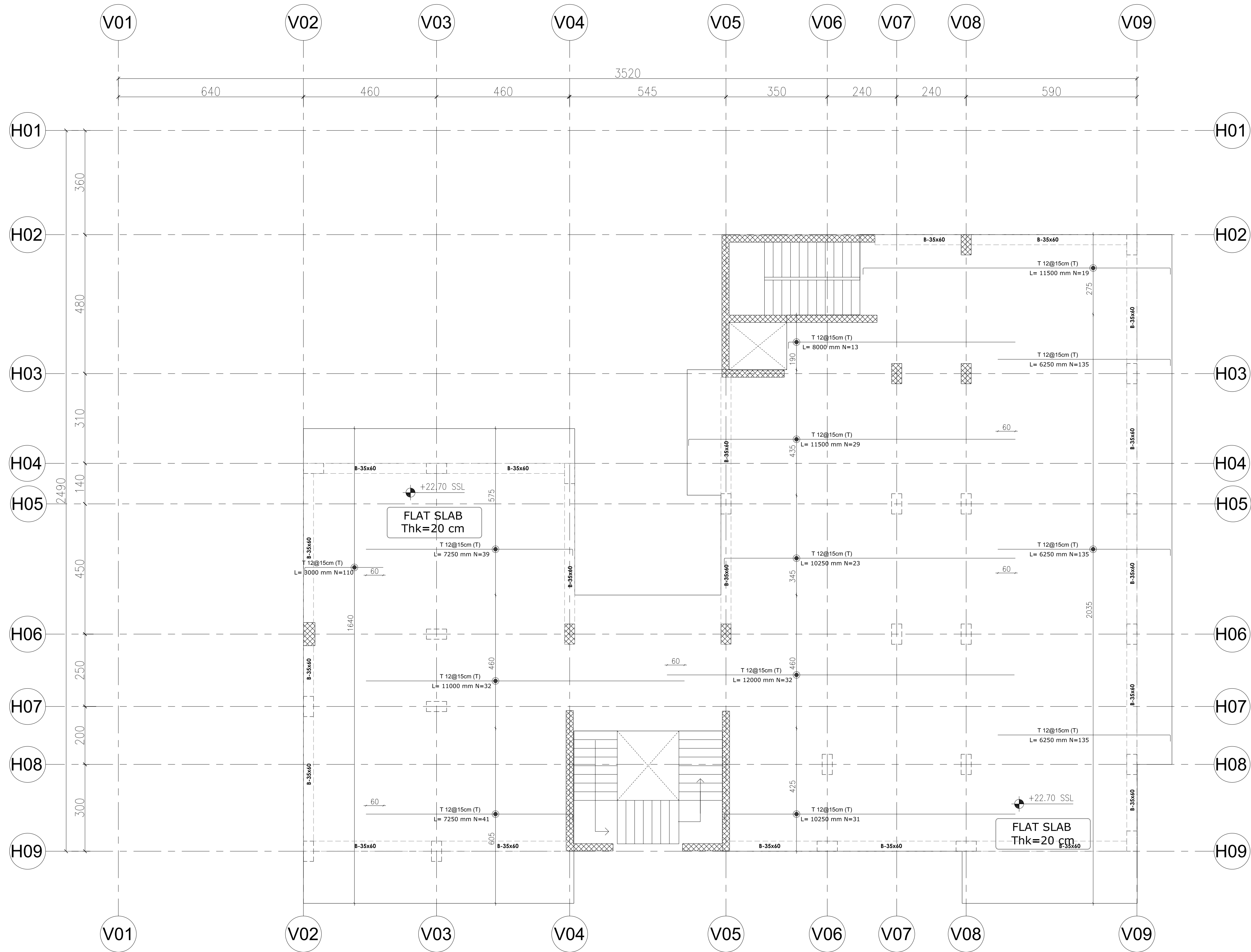
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DELOMIS

DESIGNED	
DRAWN	
CHECKED	
SCALE	
DATE	17 JAN. 2022

DRAWING TITLE:
TOP. REINF. LAYOUT AT
ROOF, Y DIRECTION

CONSULTANT OFFICE
Java Design Concepts
LTD





1 TOP. REINF. LAYOUT AT ROOF, X DIRECTION
SCALE 1:75

Note :
- all dimensions in (cm)
- all levels in meter (m)

PROJECT TITLE:
**YORKVILLE HOTEL &
APARTMENTS LIMITED**

CLIENT:
DELOMIS

DESIGNED	
DRAWN	
CHECKED	
SCALE	
DATE	17 JAN. 2022

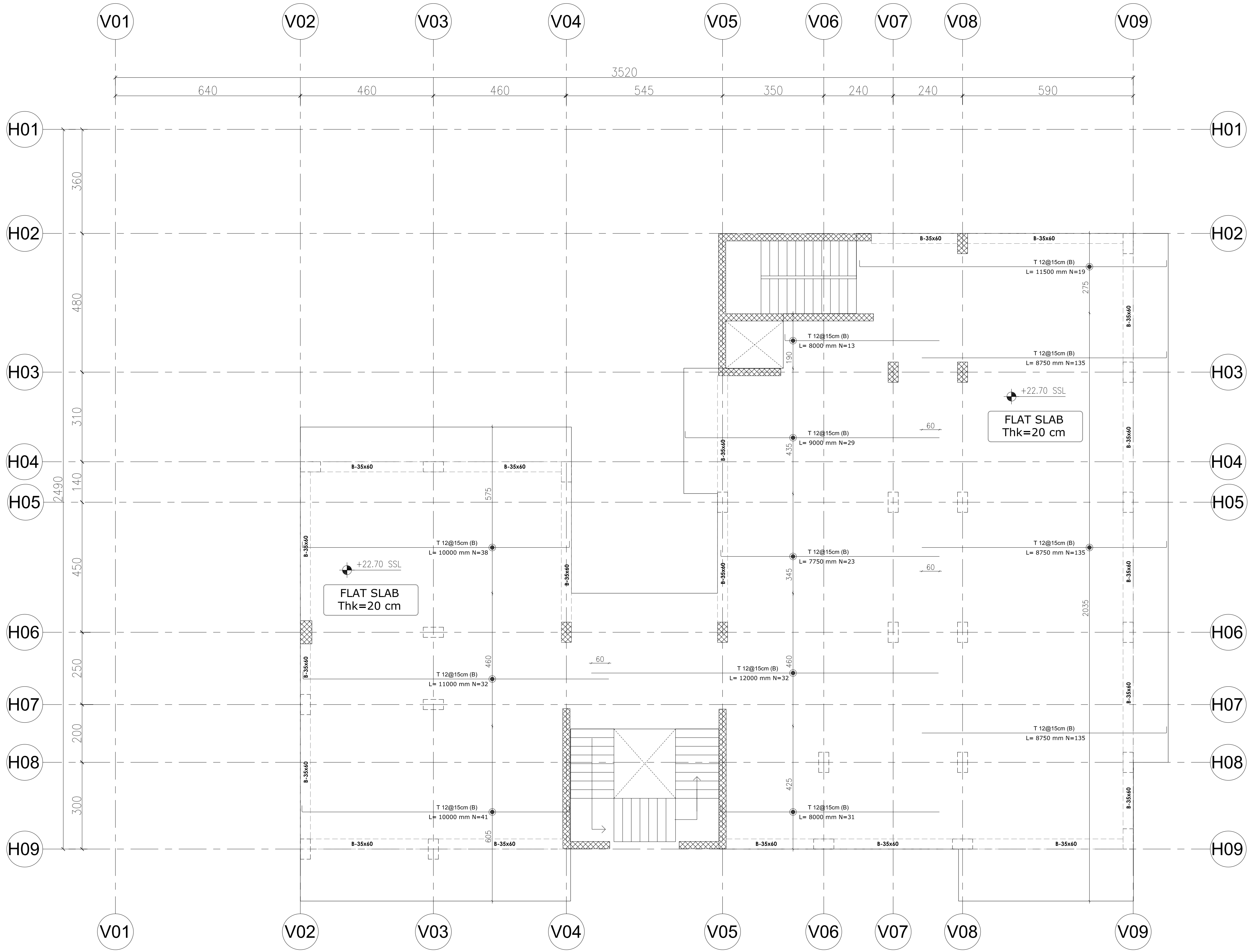
DRAWING TITLE:
**TOP. REINF. LAYOUT AT
ROOF, X DIRECTION**

CONSULTANT OFFICE
**Java Design Concepts
LTD**



SIZE: A1 DRAWING no: S-631





1 BOT. REINF. LAYOUT AT ROOF, X DIRECTION
S-633 SCALE 1:75

Note :
- all dimensions in (cm)
- all levels in meter (m)

PROJECT TITLE:
**YORKVILLE HOTEL &
APARTMENTS LIMITED**

CLIENT:
DELOMIS

DESIGNED	
DRAWN	
CHECKED	
SCALE	
DATE	17 JAN. 2022

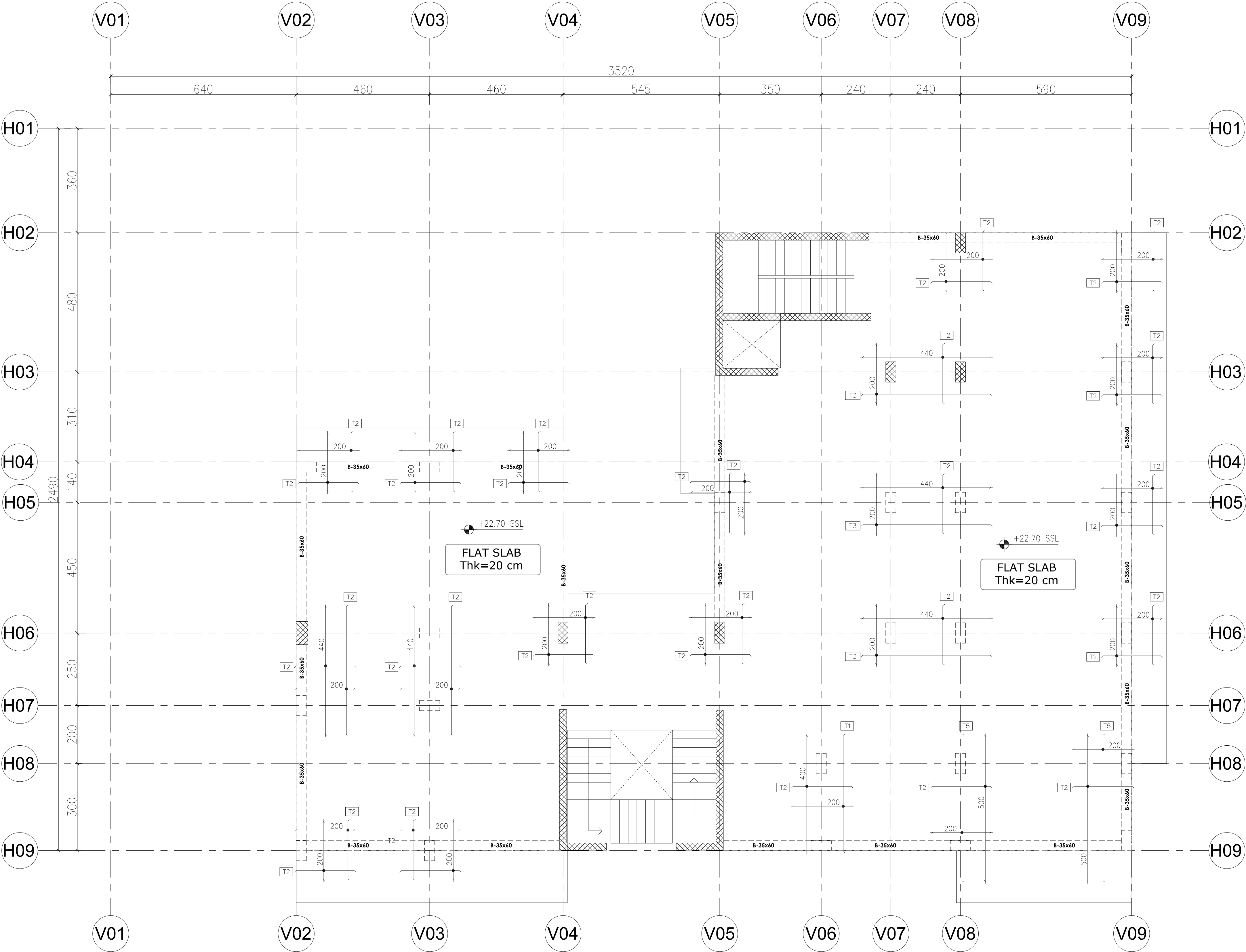
DRAWING TITLE:
**BOT. REINF. LAYOUT AT
ROOF, X DIRECTION**

CONSULTANT OFFICE
**Java Design Concepts
LTD**



ADDITIONAL BARS SCHEDULE:

TAG	DIMENSIONS	DETAILS	LENGHT
T1	TOP REINF.	T12 @ 15cm	400cm
T2	TOP REINF.	T12 @ 15cm	200cm
T3	TOP REINF.	T12 @ 15cm	440cm
T4	TOP REINF.	T12 @ 15cm	500cm



1 ADD. REINFORCEMENT LAYOUT AT ROOF
S-634 SCALE 1:75

Note :
- all dimensions in (cm)
- all levels in meter (m)

PROJECT TITLE:
**YORKVILLE HOTEL &
APARTMENTS LIMITED**

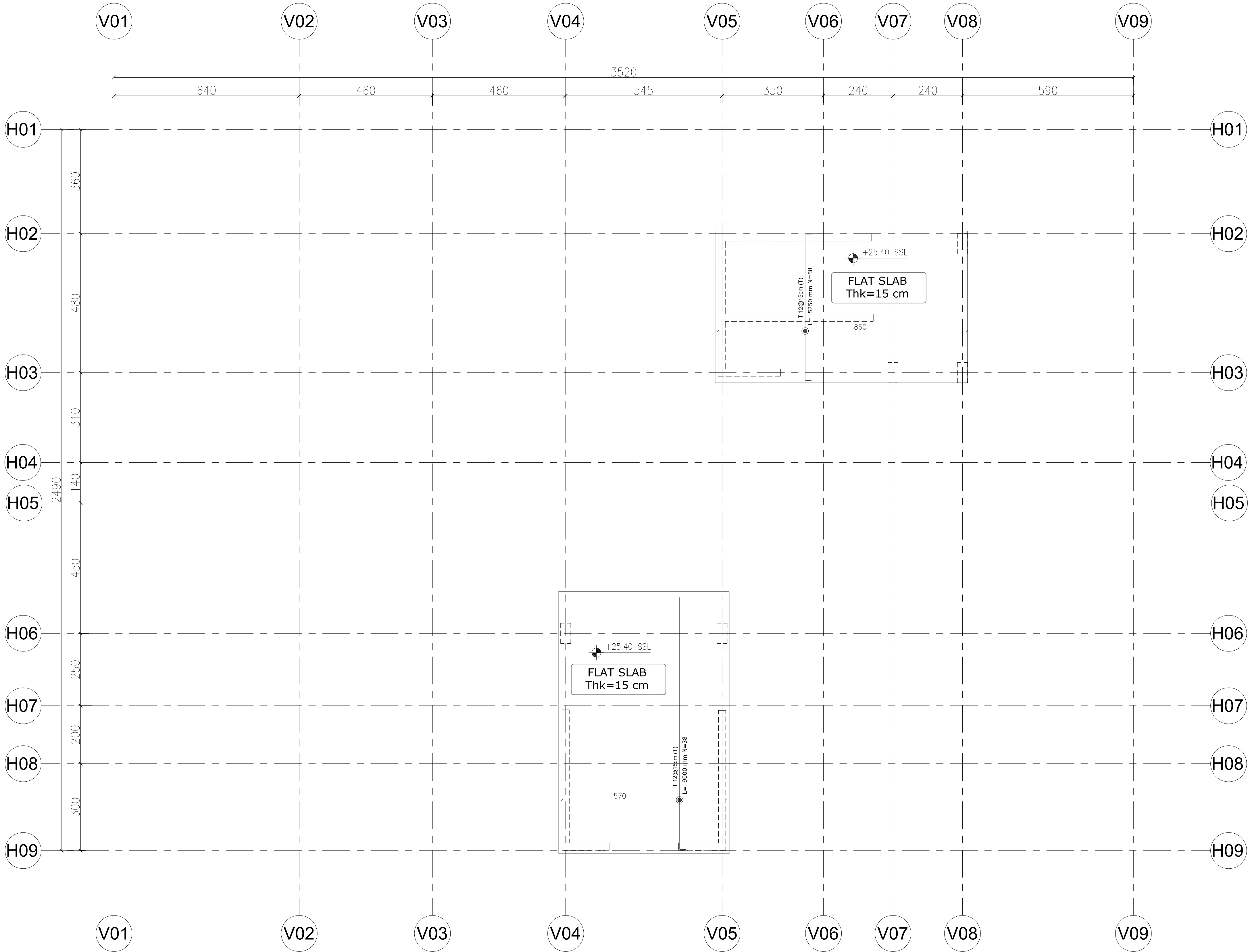
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DELOMIS

DESIGNED	
DRAWN	
CHECKED	
SCALE	
DATE	17 JAN. 2022

DRAWING TITLE:
**ADD. REINFORCEMENT
LAYOUT AT ROOF**

CONSULTANT OFFICE
**Java Design Concepts
LTD**





1 TOP. REINF. LAYOUT AT UPPER ROOF, Y DIRECTION
S-635 SCALE 1:75

Note :
- all dimensions in (cm)
- all levels in meter (m)

PROJECT TITLE:
**YORKVILLE HOTEL &
APARTMENTS LIMITED**

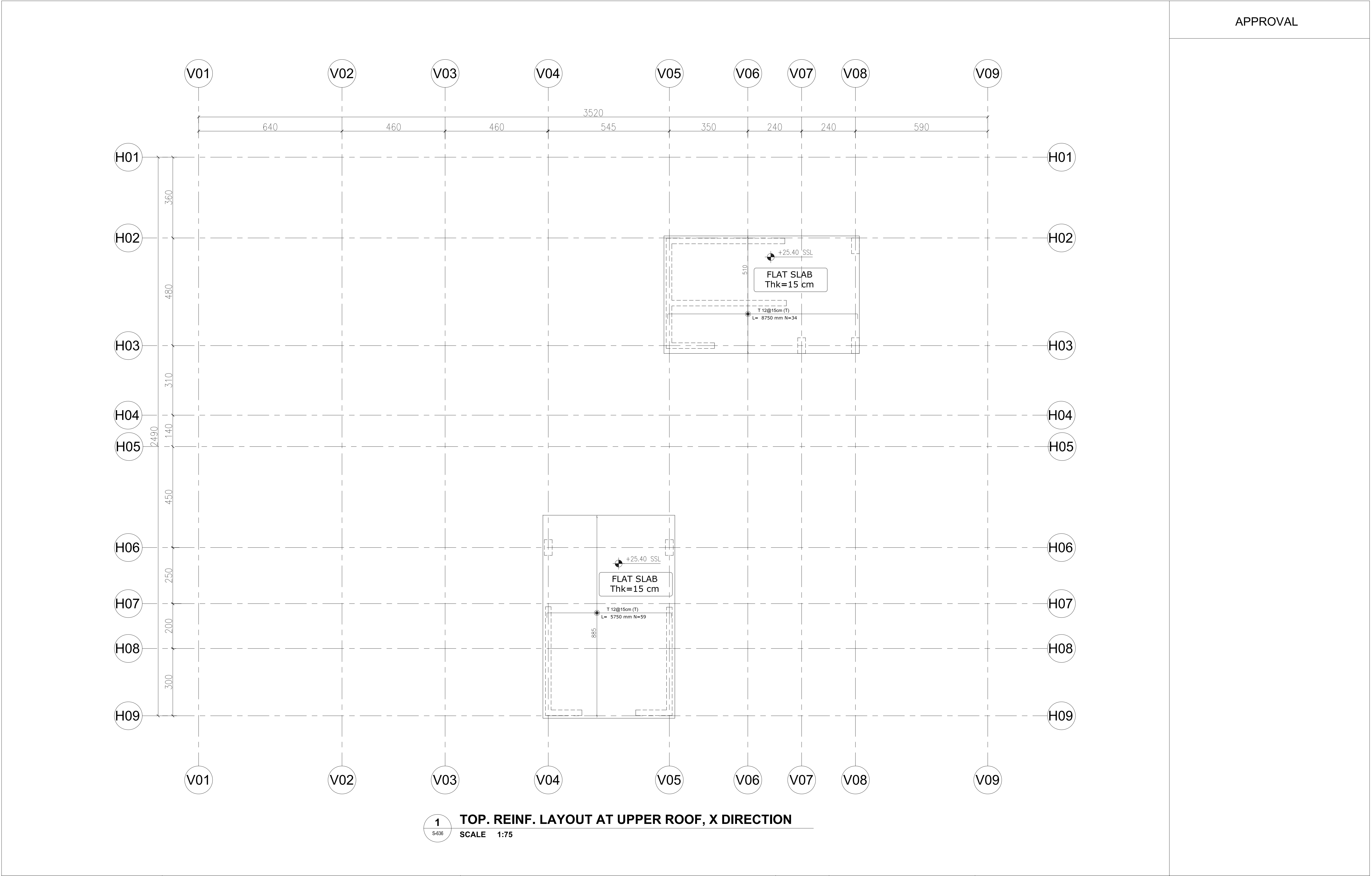
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DRAWN	
CHECKED	
SCALE	
DATE	17 JAN. 2022

DRAWING TITLE:
TOP. REINF. LAYOUT AT
UPPER ROOF, Y
DIRECTION

CONSULTANT OFFICE
Java Design Concepts
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APPROVAL

Note :
- all dimensions in (cm)
- all levels in meter (m)

PROJECT TITLE:
**YORKVILLE HOTEL &
APARTMENTS LIMITED**

CLIENT:
DELOMIS

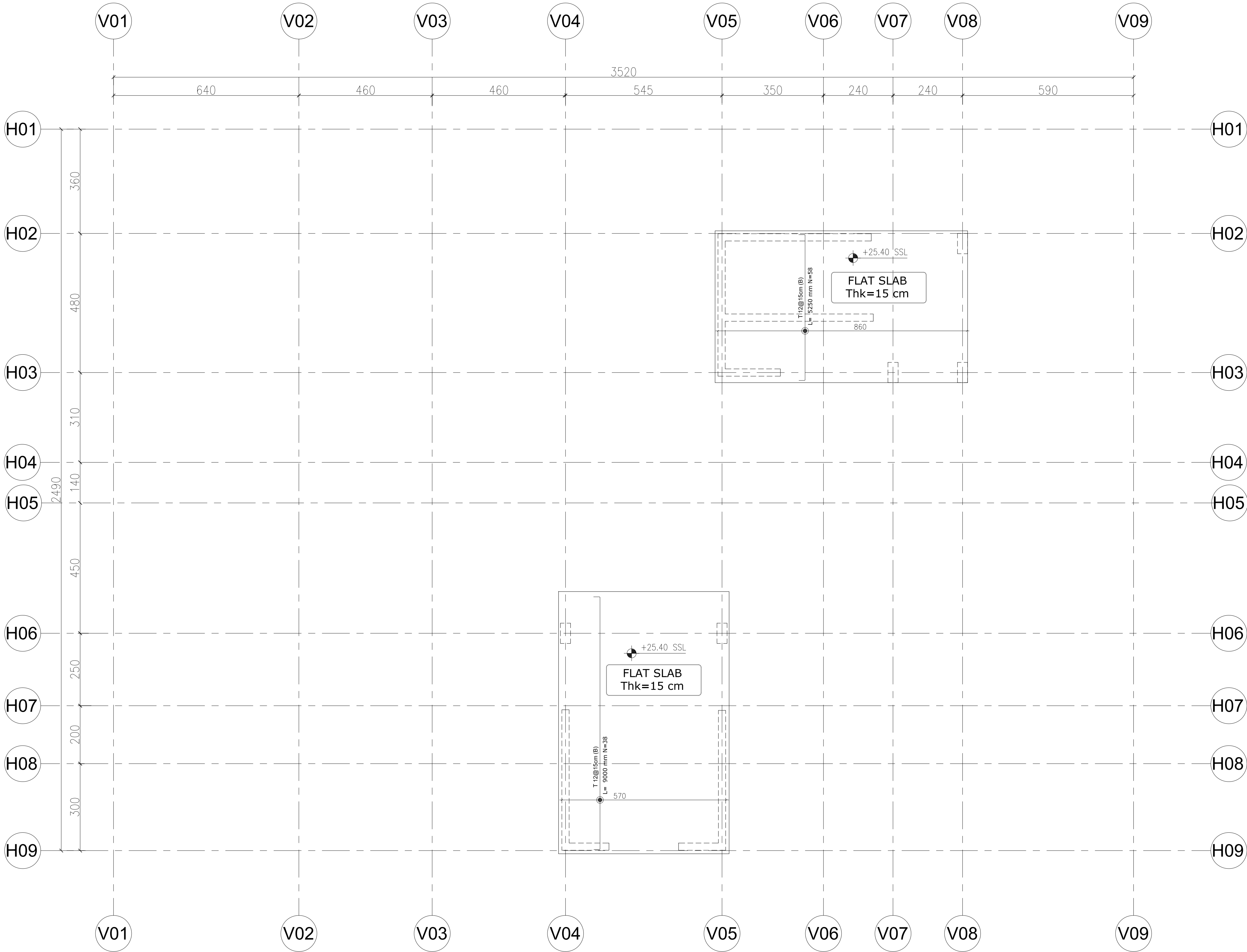
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DATE	17 JAN. 2022

DRAWING TITLE:
TOP. REINF. LAYOUT AT
UPPER ROOF, X
DIRECTION

CONSULTANT OFFICE
Java Design Concepts
LTD



SIZE: A1 DRAWING no: S-636



1 BOT. REINF. LAYOUT AT UPPER ROOF, Y DIRECTION
S-637 SCALE 1:75

Note :
- all dimensions in (cm)
- all levels in meter (m)

PROJECT TITLE:
**YORKVILLE HOTEL &
APARTMENTS LIMITED**

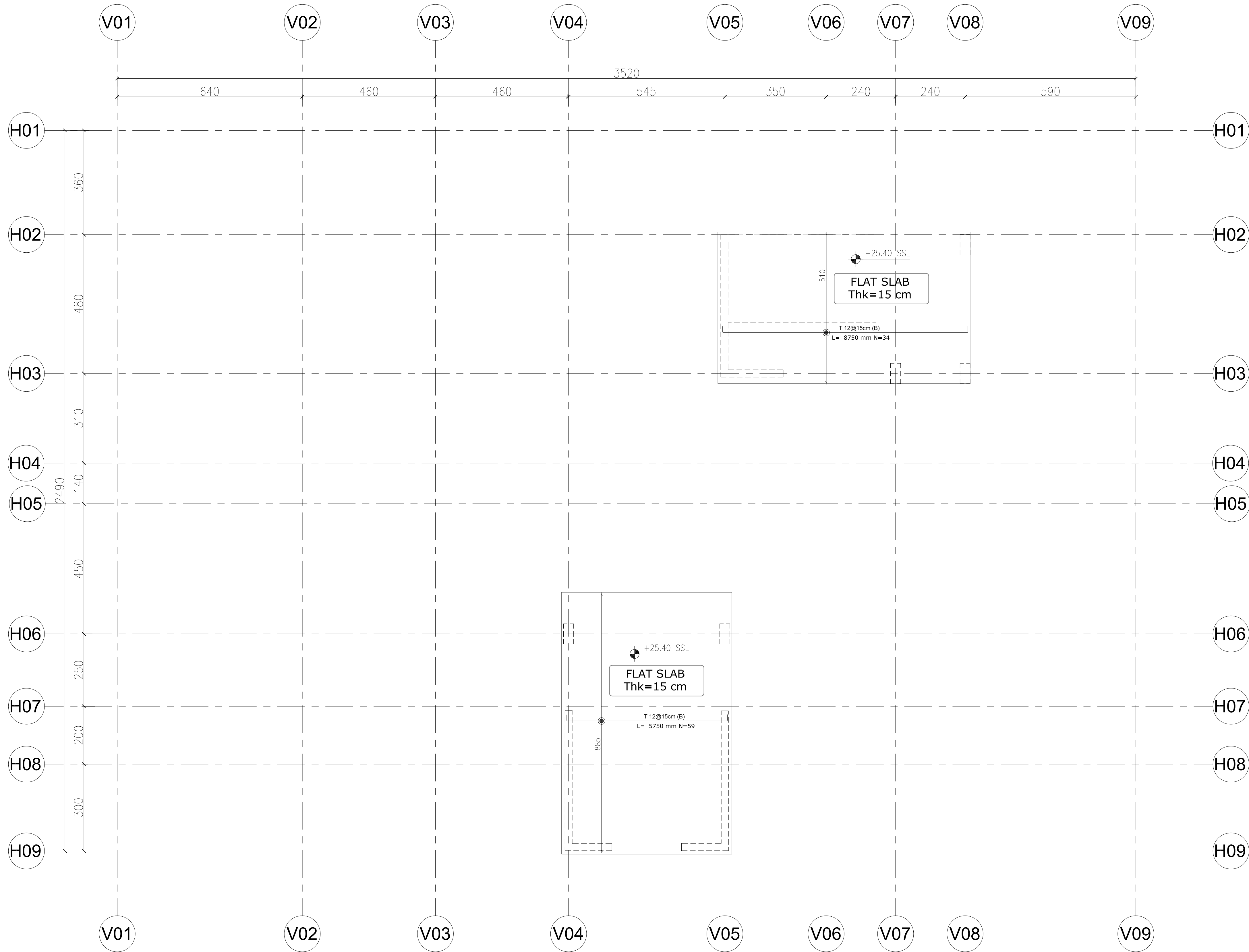
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DELOMIS

DESIGNED	
DRAWN	
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SCALE	
DATE	17 JAN. 2022

DRAWING TITLE:
BOT. REINF. LAYOUT AT
UPPER ROOF, Y
DIRECTION

CONSULTANT OFFICE
Java Design Concepts
LTD





Note :
- all dimensions in (cm)
- all levels in meter (m)

PROJECT TITLE:
**YORKVILLE HOTEL &
APARTMENTS LIMITED**

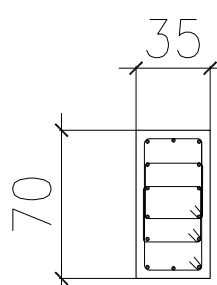
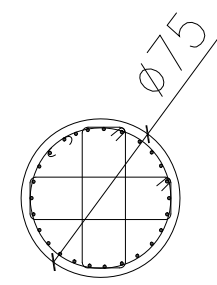
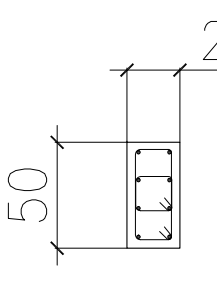
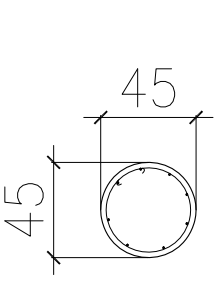
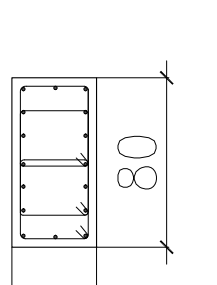
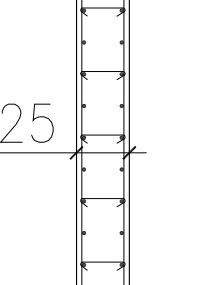
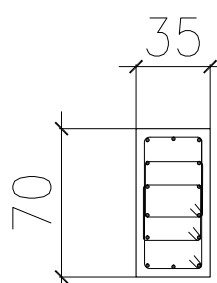
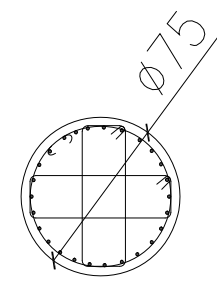
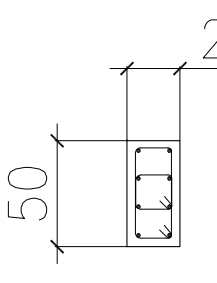
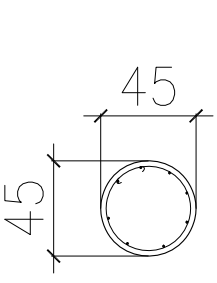
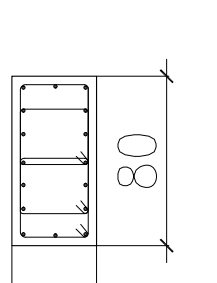
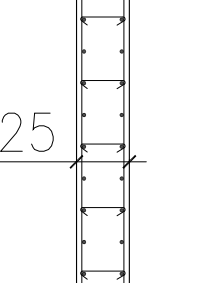
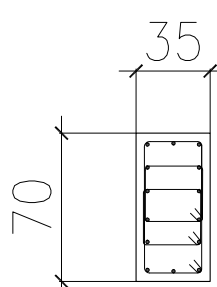
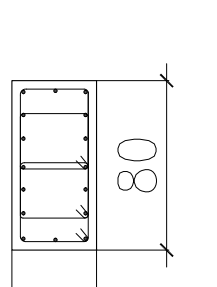
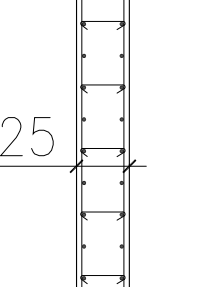
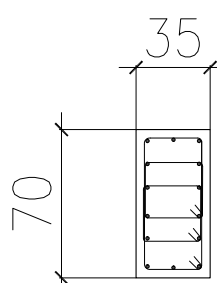
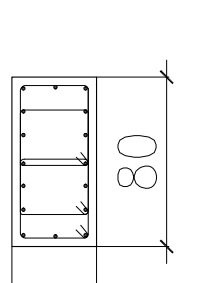
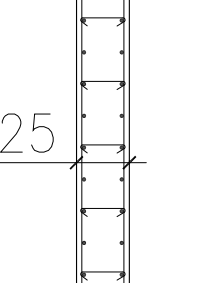
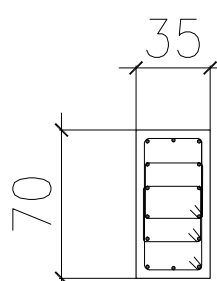
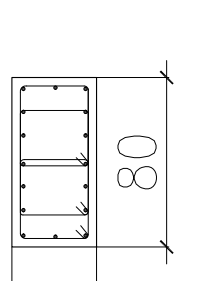
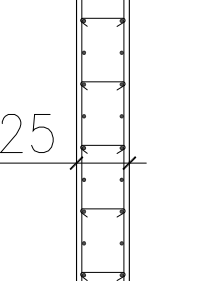
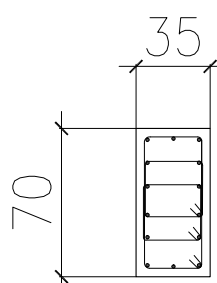
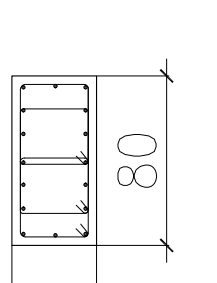
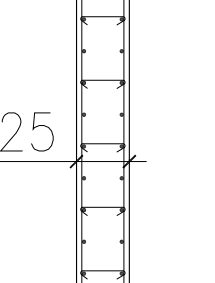
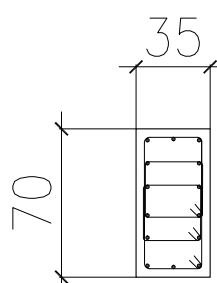
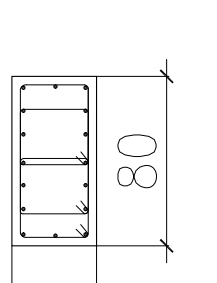
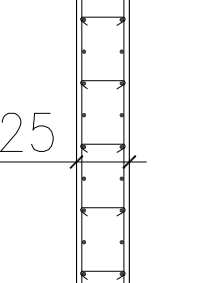
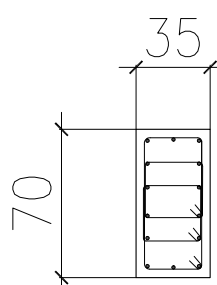
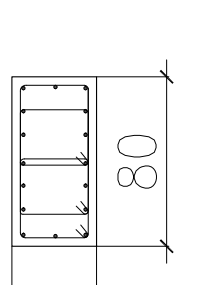
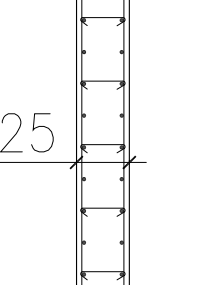
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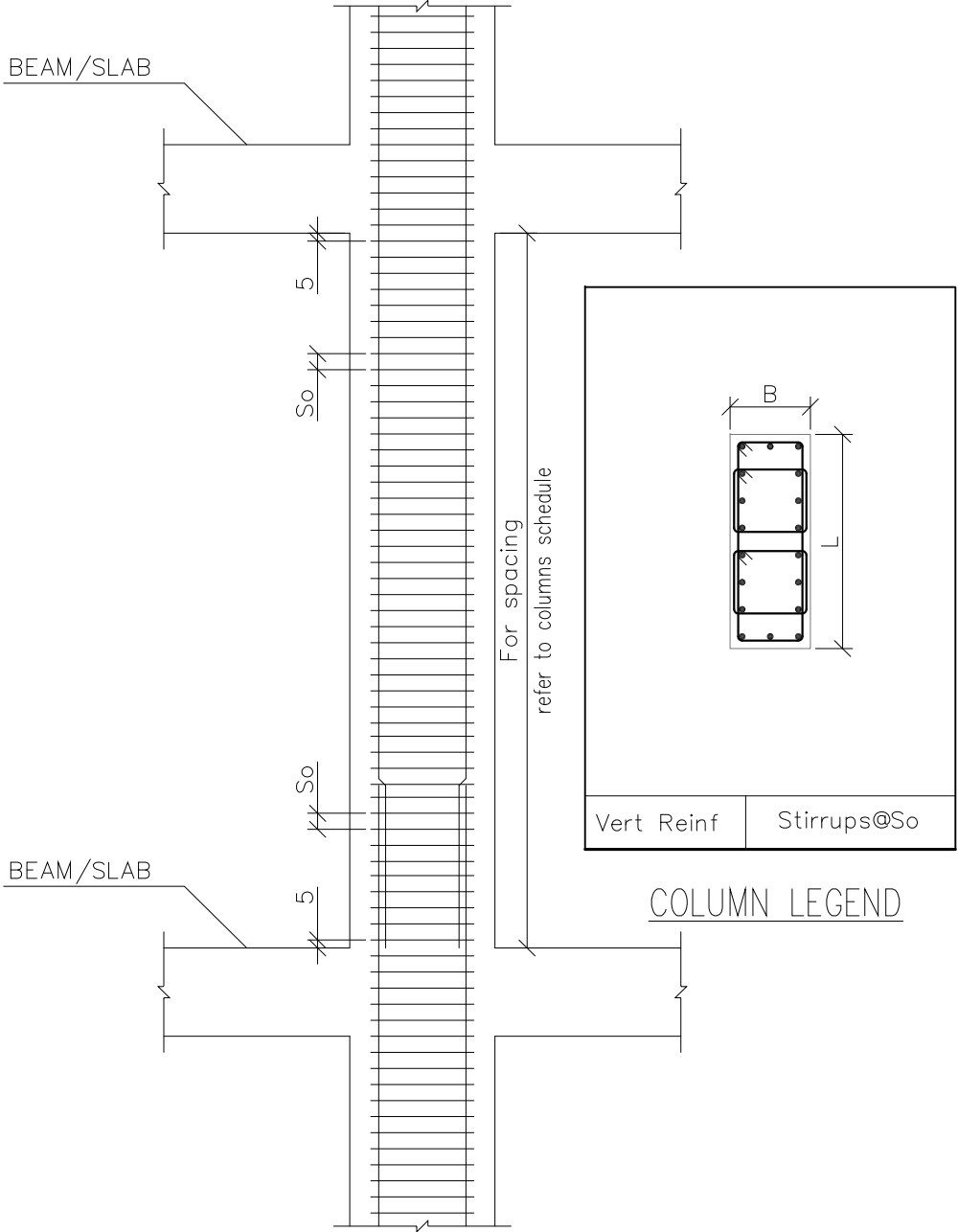
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DATE	17 JAN. 2022

DRAWING TITLE:
BOT. REINF. LAYOUT AT
UPPER ROOF, X
DIRECTION

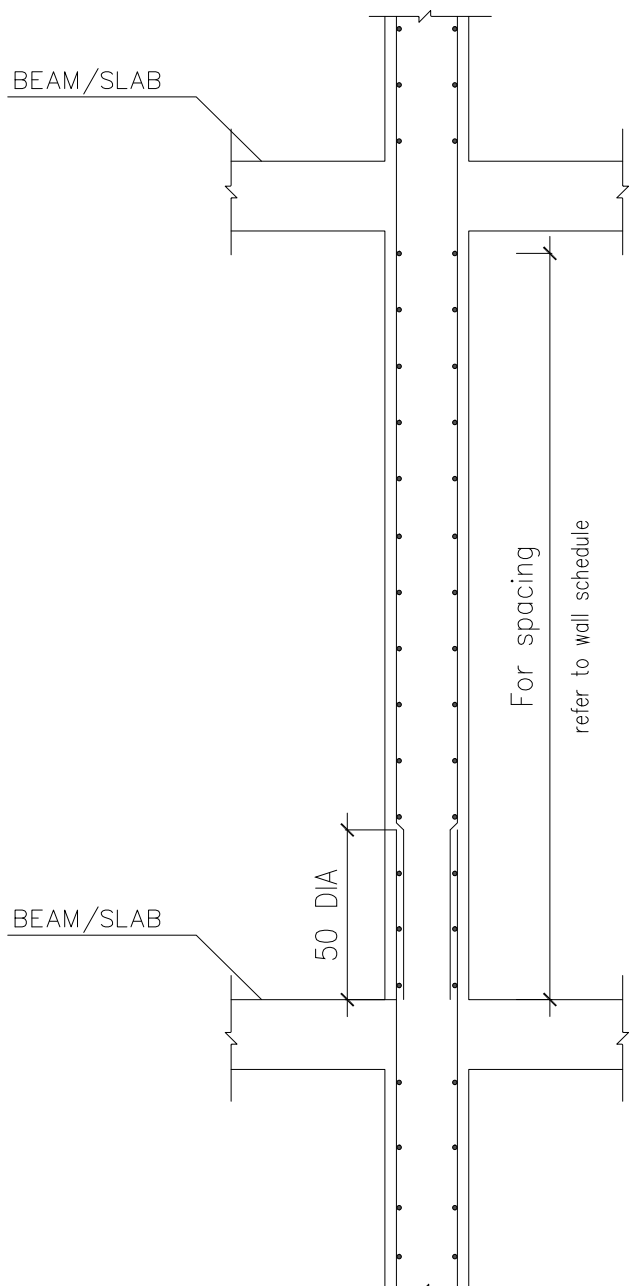
CONSULTANT OFFICE
Java Design Concepts
LTD



COLUMNS SCHEDULE												SC.1/30		
LEVEL	TYPE	C-1	C-2	C-3	C-4	C-5	STAIR CASE ,LIFT WALLS							
FROM FOUNDATION LVL. TO GRADE SLAB LVL. $f_c=30$ MPA														
	14T16	3T8@15 C/C	26T16	3T8@15 C/C	10T16	2T8@15 C/C	10T16	1T8@15 C/C	16T16	3T8@15 C/C	V.112@150	H.110@150	LINKS T8@200	
FROM GRADE SLAB LVL. TO 1ST LVL. $f_c=30$ MPA														
	14T16	3T8@15 C/C	26T16	3T8@15 C/C	10T16	2T8@15 C/C	10T16	1T8@15 C/C	16T16	3T8@15 C/C	V.112@150	H.110@150	LINKS T8@200	
FROM 1ST LVL. TO 2ND LVL. $f_c=30$ MPA			—	—	—									
	14T16	3T8@15 C/C				16T16	3T8@15 C/C	V.112@150	H.110@150	LINKS T8@200				
FROM 2ND LVL. TO 3RD LVL. $f_c=30$ MPA			—	—	—									
	14T16	3T8@15 C/C				16T16	3T8@15 C/C	V.112@150	H.110@150	LINKS T8@200				
FROM 3RD LVL. TO 4TH LVL. $f_c=30$ MPA			—	—	—									
	14T16	3T8@15 C/C				16T16	3T8@15 C/C	V.112@150	H.110@150	LINKS T8@200				
FROM 4TH LVL. TO 5TH LVL. $f_c=30$ MPA			—	—	—									
	14T16	3T8@15 C/C				16T16	3T8@15 C/C	V.112@150	H.110@150	LINKS T8@200				
FROM 5TH LVL. TO ROOF LVL. $f_c=30$ MPA			—	—	—									
	14T16	3T8@15 C/C				16T16	3T8@15 C/C	V.112@150	H.110@150	LINKS T8@200				
FROM ROOF LVL. TO ROOF TOP LVL. $f_c=30$ MPA			—	—	—									
	14T16	3T8@15 C/C				16T16	3T8@15 C/C	V.112@150	H.110@150	LINKS T8@200				



TYPICAL COLUMN ELEVATION
NTS



TYPICAL WALL ELEVATION
NTS

APPROVAL

Note :
- all dimensions in (cm)
- all levels in meter (m)

PROJECT TITLE:
**YORKVILLE HOTEL &
APARTMENTS LIMITED**

CLIENT:
DELOMIS

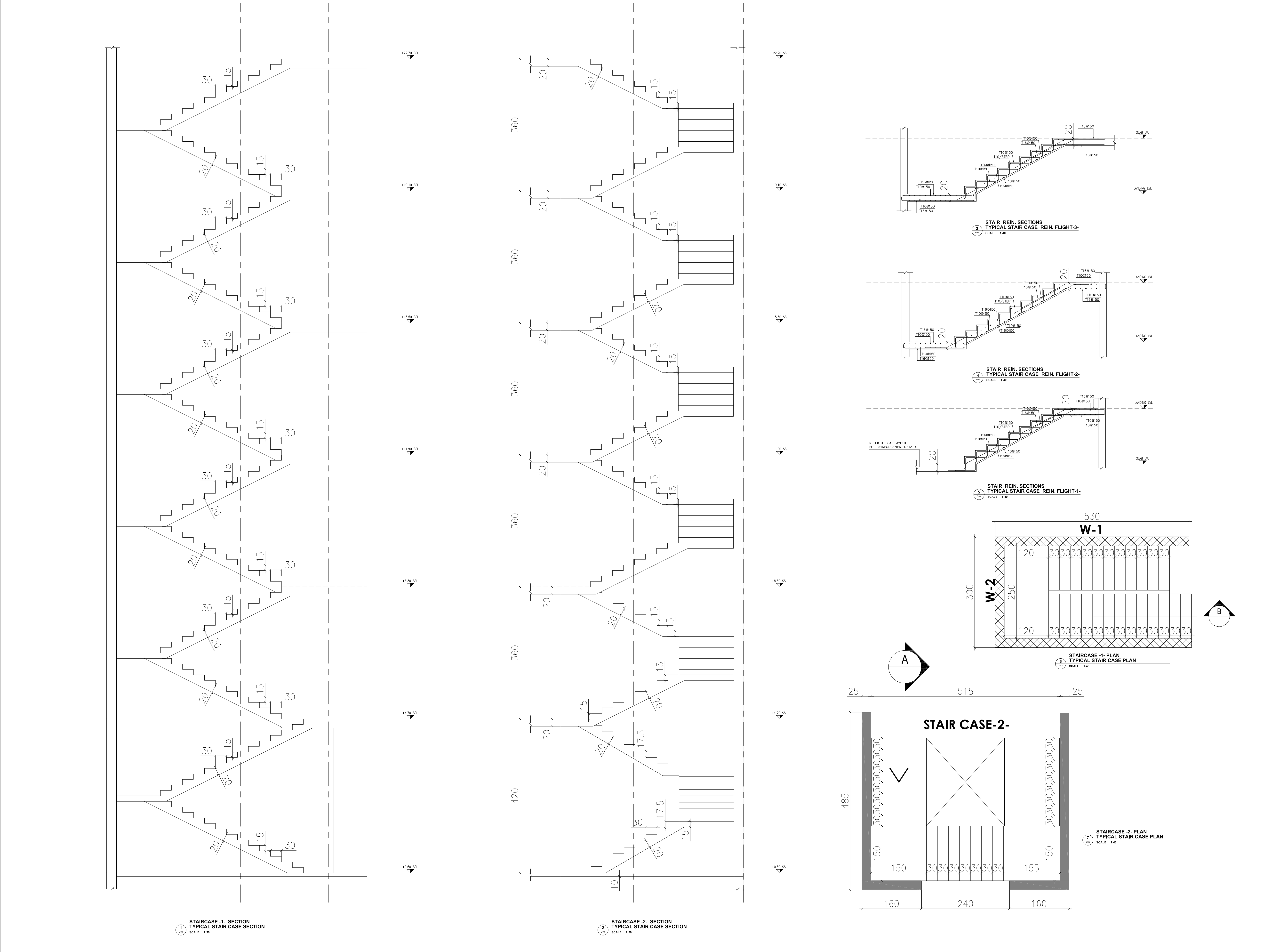
DESIGNED	
DRAWN	
CHECKED	
SCALE	
DATE	17 JAN. 2022

DRAWING TITLE:
**COLUMNS AND WALL
DETAILS**

CONSULTANT OFFICE
**Java Design Concepts
LTD**



SIZE: A1 DRAWING no: **S-800**



APPROVAL

Note :
- all dimensions in (cm)
- all levels in meter (m)

PROJECT TITLE:
**YORKVILLE HOTEL &
APARTMENTS LIMITED**

CLIENT:
DELOMIS

DESIGNED	
DRAWN	
CHECKED	
SCALE	
DATE	17 JAN. 2022

DRAWING TITLE:

STAIRCASE DETAIL

CONSULTANT OFFICE
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SIZE: A1 DRAWING no: S-900