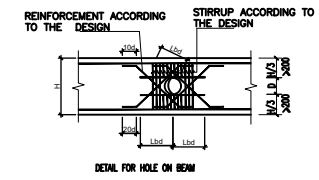
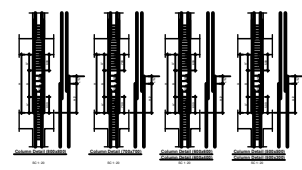
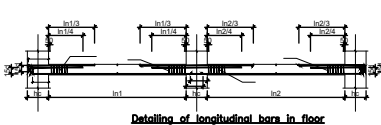


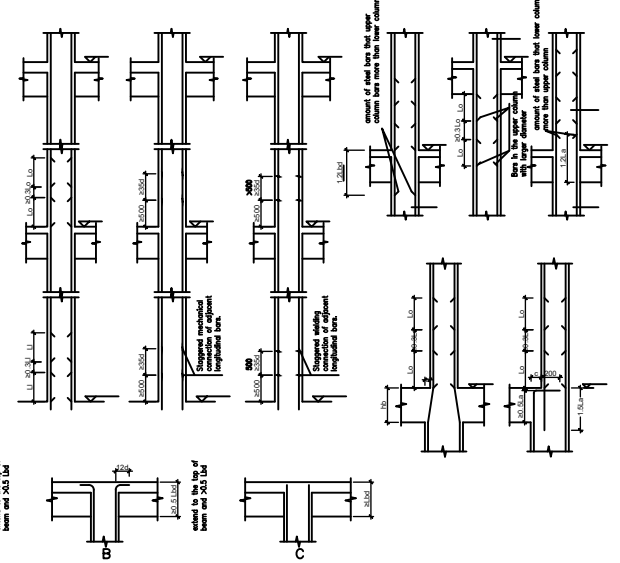
Arrangement	Length		Diameter Ø
	Zone	Spacing (mm)	
A'-600	A'	100	2010
A-(L/3-A')	A	120	2010
B-L/3	B	180	Ø10

Arrangement	Length		Diameter Ø
	Zone	Spacing (mm)	
A'-600	A'	125	Ø8
A-(L/3-A')	A	150	Ø8
B-L/3	B	180	Ø8

Arrangement	Length		Diameter Ø
	Zone	Spacing (mm)	
A'-600	A'	100	Ø8
A-(L/3-A')	A	120	Ø8
B-L/3	B	180	Ø8



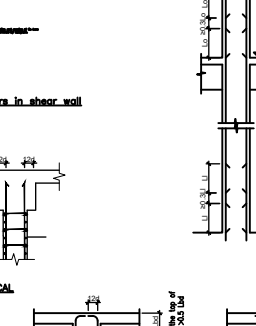
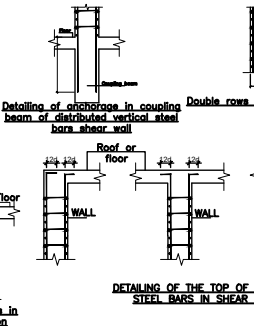
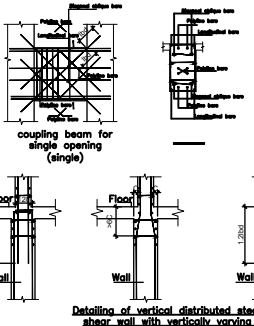
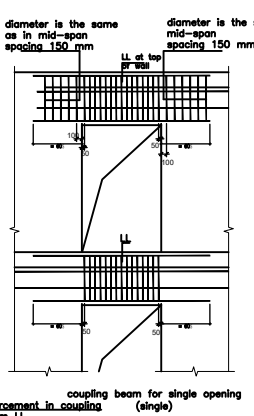
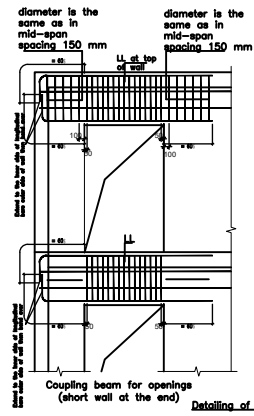
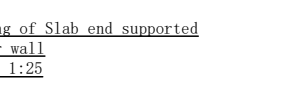
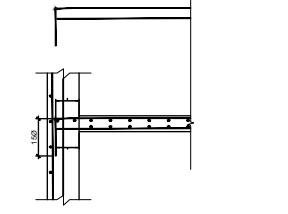
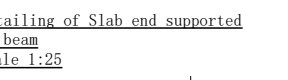
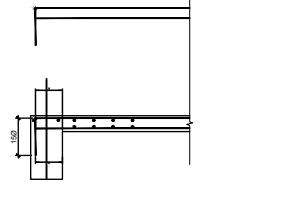
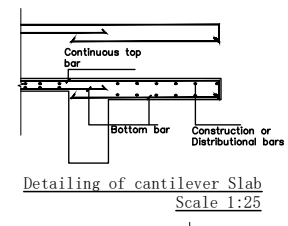
DETAIL FOR REINFORCEMENTS IN COLUMNS



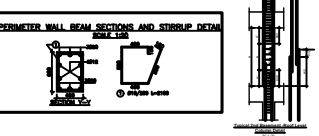
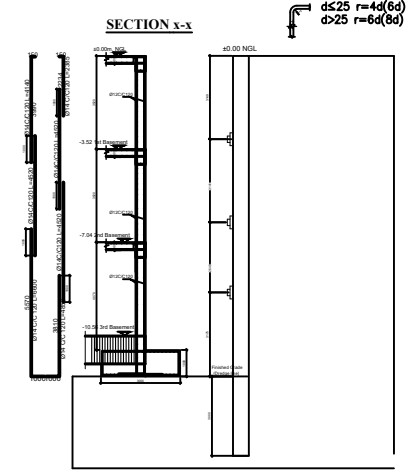
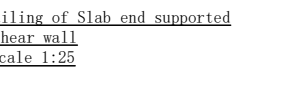
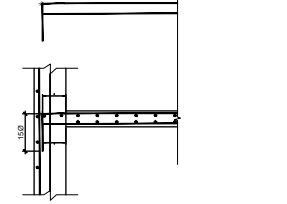
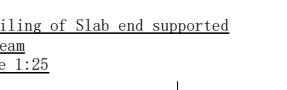
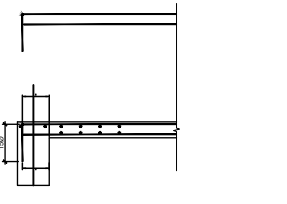
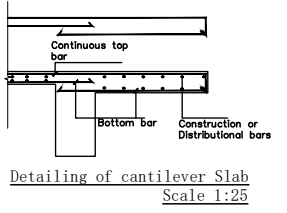
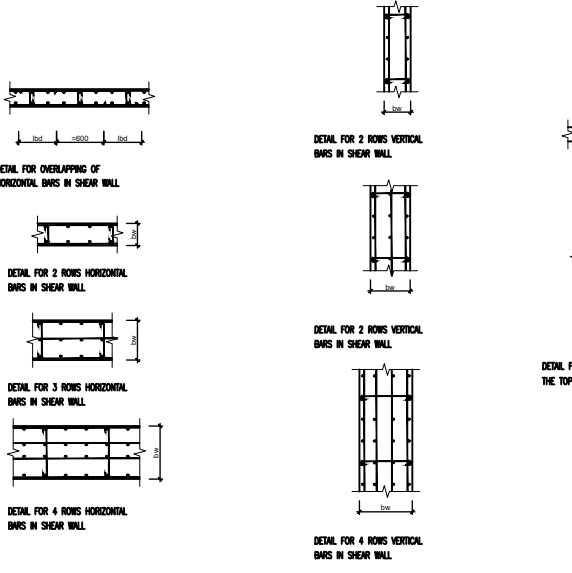
GENERAL STRUCTURAL NOTES

- CONCRETE:
 - Cement:
 - For all structural elements i.e Shear wall, columns, beams and slab : use CEM I 42.5N or above OPC (Ordinary portland cement)
 - Normal hardening cement shall be used and if Rapid hardening cement is to be used the engineer shall be notified and shall be approved.
 - Cement shall be stored in a dry environment and protected from humidity and liquids.
 - Lean concrete shall be of grade C-5 and PPC maybe used.
 - Structural Concrete:
 - For shear walls, elevator shafts, columns and foundation pads: use concrete of grade C30/37; $F_{ck}=37\text{N/mm}^2$, $F_{td}=30\text{N/mm}^2$
 - For beams, slabs including ramps and stairs and barrier walls: use concrete of grade C25/30; $F_{ck}=30\text{N/mm}^2$, $F_{td}=25\text{N/mm}^2$
 - Concrete cover and protection:
 - Exterior columns, beams, foundation columns, ground floor beam: 50mm
 - Internal columns, beams, elevator shafts and emergency exits: 30mm
 - Slabs and stairs: 20mm
 - All concrete surfaces in contact with soil shall be watertight and shall be provided with sufficient protection from corrosive chemicals.
 - Formwork stripping:
 - Vertical elements: 1 to 2 Days (Engineer's discretion)
 - Horizontal elements: 14 Days with props staying for 21 days.
 - Concrete shall be cured for at least 7 consecutive days, the method of curing is at the Engineer's discretion.
 - The building is located in seismic zone: Zone 3 with $a_{max}=0.1g$.
 - The building has been designed to resist the imposed dead loads including self weight and the following imposed live loads:
 - Access Area - Category C - 4 KN/m²
 - Balconies - Category C - 4 KN/m²
 - Accessible Roof - Category H - 4 KN/m²
 - Laboratory - Category C - 5 KN/m²
 - General Store - Category E - 12 KN/m²
 - Water tanker - Category E - 10 KN/m²
 - Cafe, Restaurant, Dining Hall - Category C - 3 KN/m²
 - Assembly Hall - Category C - 5 KN/m²
 - Storage of construction materials on floors shall be avoided before formwork stripping and the allowable amount to be stored shall be approved by the Engineer.
 - REINFORCEMENT:
 - All deformed reinforcement bars $\phi \geq 8\text{mm}$ should be of 8500CWR class with a minimum yield strength of $F_{ym}=500\text{N/mm}^2$ and a minimum tensile strength of $F_{tm}=625\text{N/mm}^2$.
 - Overlap length shall be 50 ϕ . Overlap location for support rebar is to be at mid span and for span rebar at supports unless indicated on the drawing.
 - All stirrup measurements are external.
 - Stirrups shall be placed no more than 50mm from the face of columns & beams.
 - Stirrups are to continue through beam-column joints and should also extend into the foundation.
 - Bars at the reduction of column size (bar A&B) shall be bent as per the detail shown below before placement.
 - FOUNDATION:
 - Actual foundation depth shall be decided on site but shall not be shallower than 1.60 m below the second basement floor level.
 - The minimum allowable bearing capacity of the foundation shall not be lower than 400 for isolated pads & mat foundations respectively.
 - The foundation shall be laid upon a flat surface and after only removing detritus and water.
 - If weak soil is encountered and is to be replaced with a well graded and compacted soil, the fill material shall have competent geo-technical properties and shall be approved by the Engineer before placement. The compaction shall be above 95% MDD.6.3.
 - Cut off masonry walls shall be provided beneath exterior beams with a minimum depth of 900mm.

- Tuned Mass Dampers Shall be provided For Slabs Where Vibrating Machines are to be Placed on the Slab.
- Vibrating Machines Shall not be Placed Near Columns.
- Distribution bars for negative reinforcement in slabs shall be $\phi 8\text{ c/c } 200\text{mm}$ & hooked at ends.
- Soil protection shall be provided where required, for further details and specification please refer to the corresponding drawing.
- All columns are centric (Axis shall pass through the geometric center of a column in the respective plane) unless specified otherwise.
- The contractor shall verify all measurements of reinforcement bars before placement.
- No construction joint is allowed in beams.
- Setting out shall be carried out by using the foundation and column layout drawing with the architectural drawings.
- All dimensions are given in mm (millimeters) unless stated explicitly.
- All structural drawings shall be read in conjunction with the architectural drawings. In case of conflict please post a notification immediately.
- No scaling.



DETAIL FOR REINFORCEMENTS IN SHEAR WALL



DATE	REVISION	SIGN

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MINISTRY OF HEALTH ETHIOPIA

TEL: 011 5517011, 011 5517002, 011 5518031
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P.O.BOX: 1234

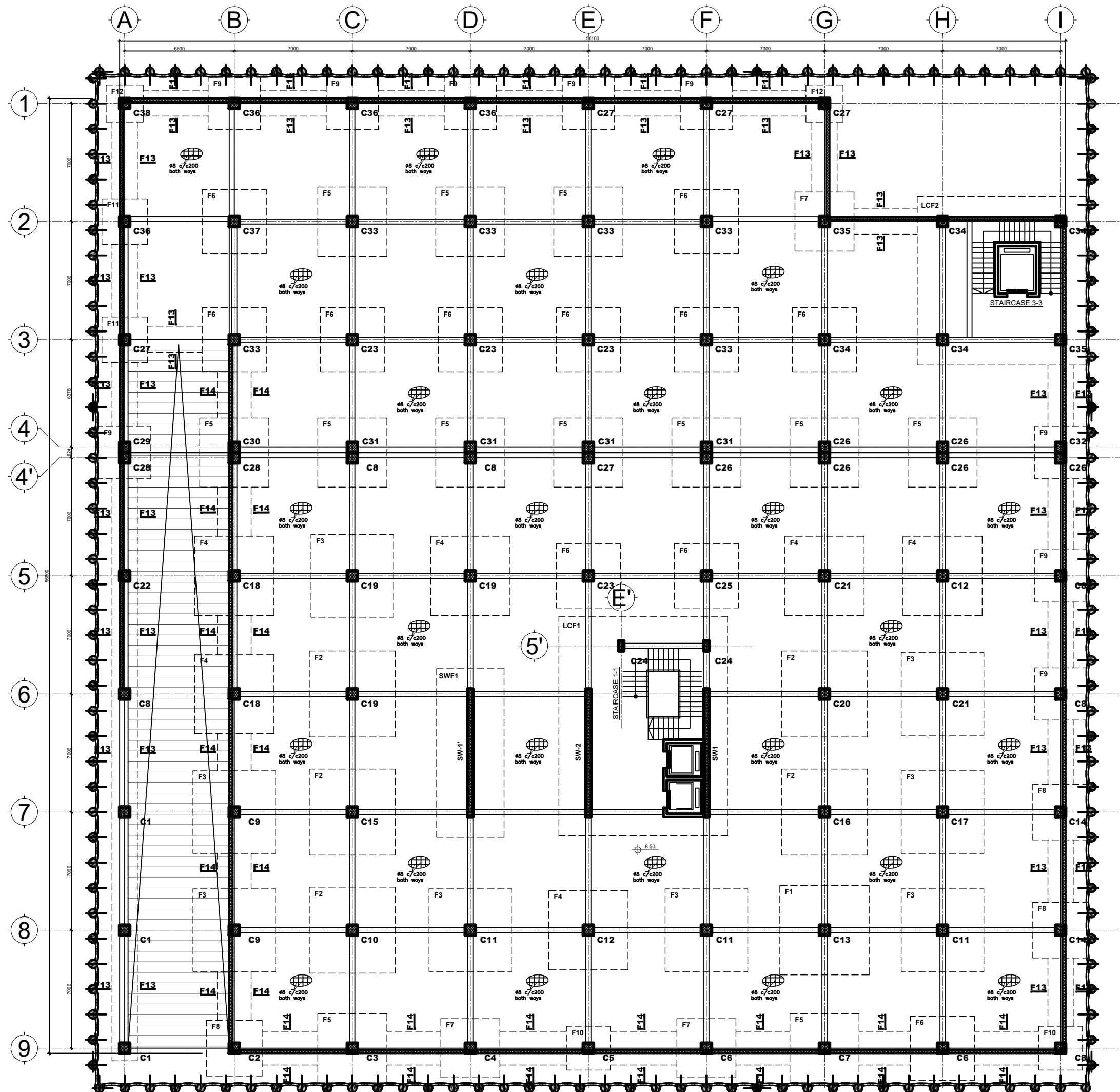
PROJECT STATUS

NEW MODIFICATION AS-BUILT


PROJECT TITLE

EQA PT PANEL PRODUCTION, BIO-BANK AND CENTRAL WAREHOUSE BUILDING

Title:	STRUCTURAL DRAWIN	DRAWING NO:	ST
Designed by:	Engineering Service Directorate - MoH	Drawn by:	ST
Scale:	NTS	Date:	May 2021
			01/53



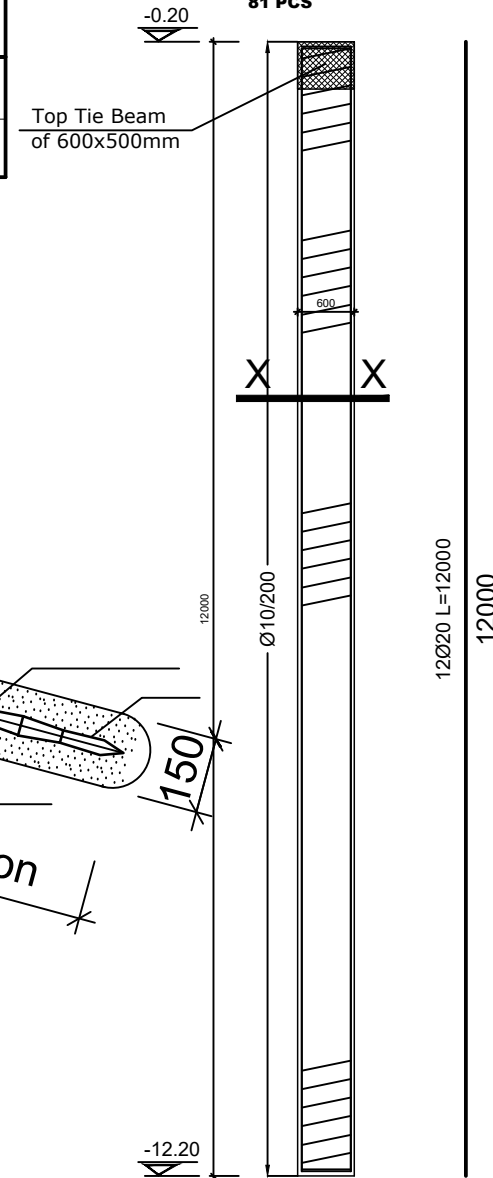
SECOND BASEMENT FLOOR REINFORCEMENT AND BEAM LAYOUT

DATE	REVISION	SIGN
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PROJECT STATUS		
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PROJECT TITLE		
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Title: STRUCTURAL DRAWING		DRAWING NO:
Designed by: Engineering Service Directorate - MoH		ST
Drawn by:		ST
Scale: NTS	Date: May 2021	02/53

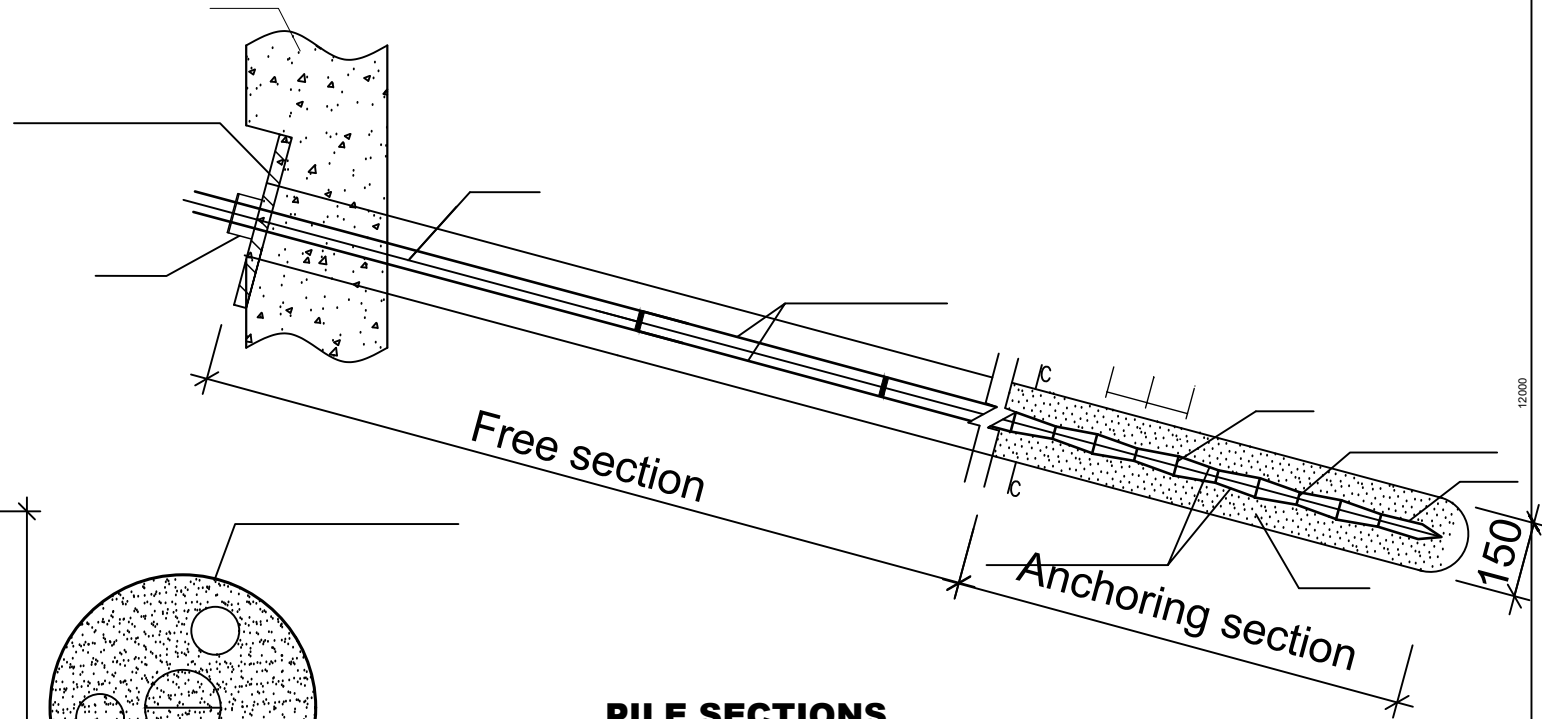
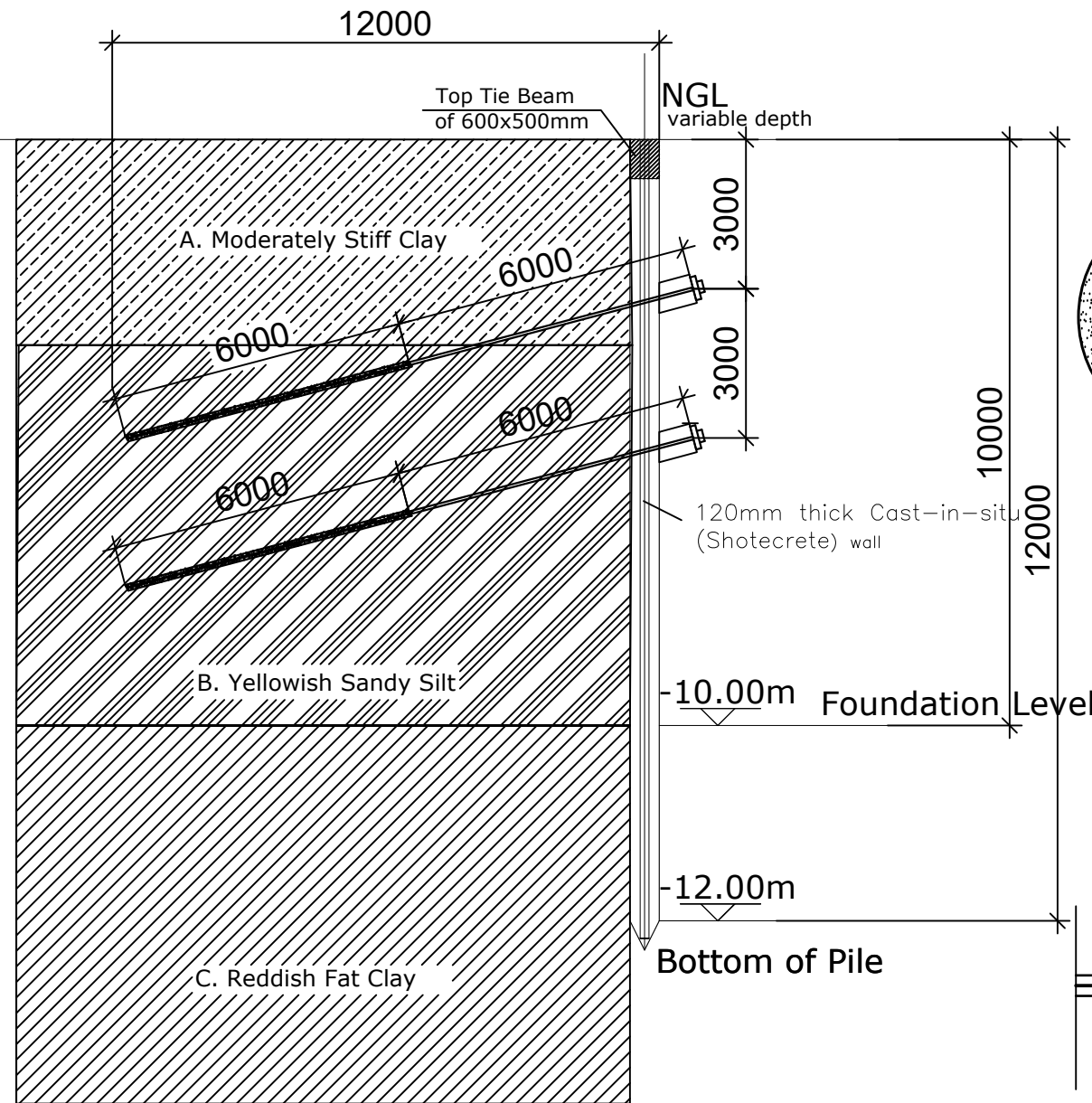
Pile Name	Total single pile depth	Depth to foundation level	Embedment Depth below dredge line	Depth to anchor points		Rienforcement bars of single pile	No. of strand at 20 degree inclination	Length of strand	Length of tie (anchor) block in grouted hole	Diameter (anchor) block	Stressing Load kN
				1st anchor Point	2nd anchor Point						
				P-1	12.00m						
							3	13.20m	6.0m	130mm	150

PILE DETAILS

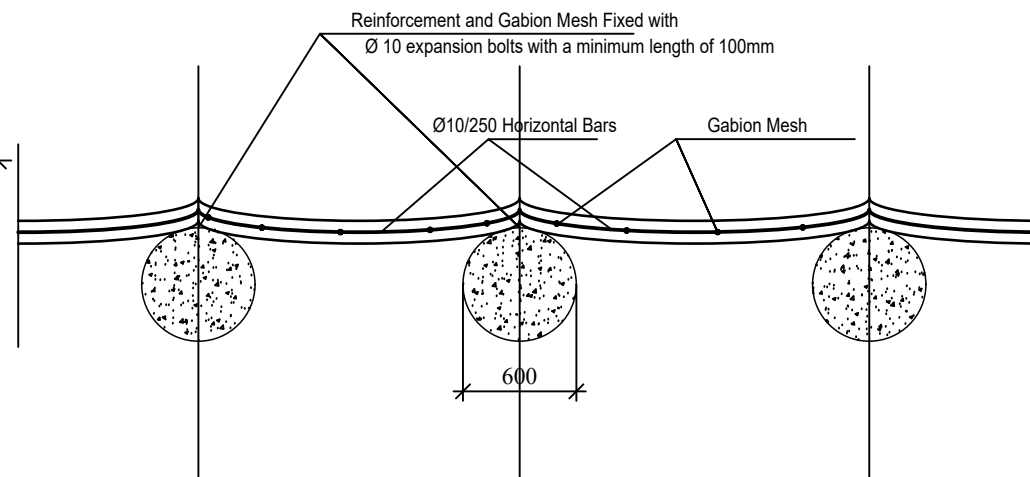
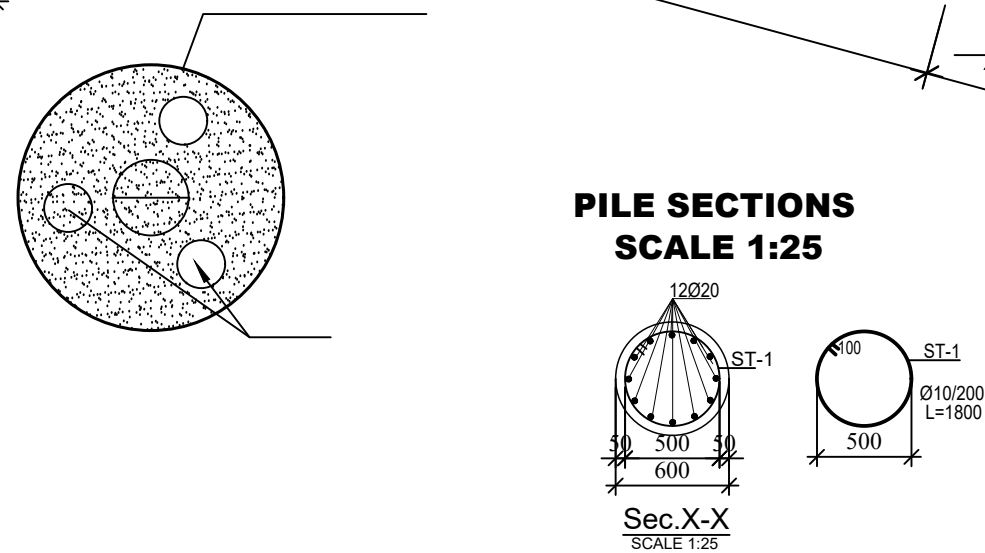
PILE P-1
SCALE 1:50
81 PCS



Details Of Section K-K
Scale. 1:50

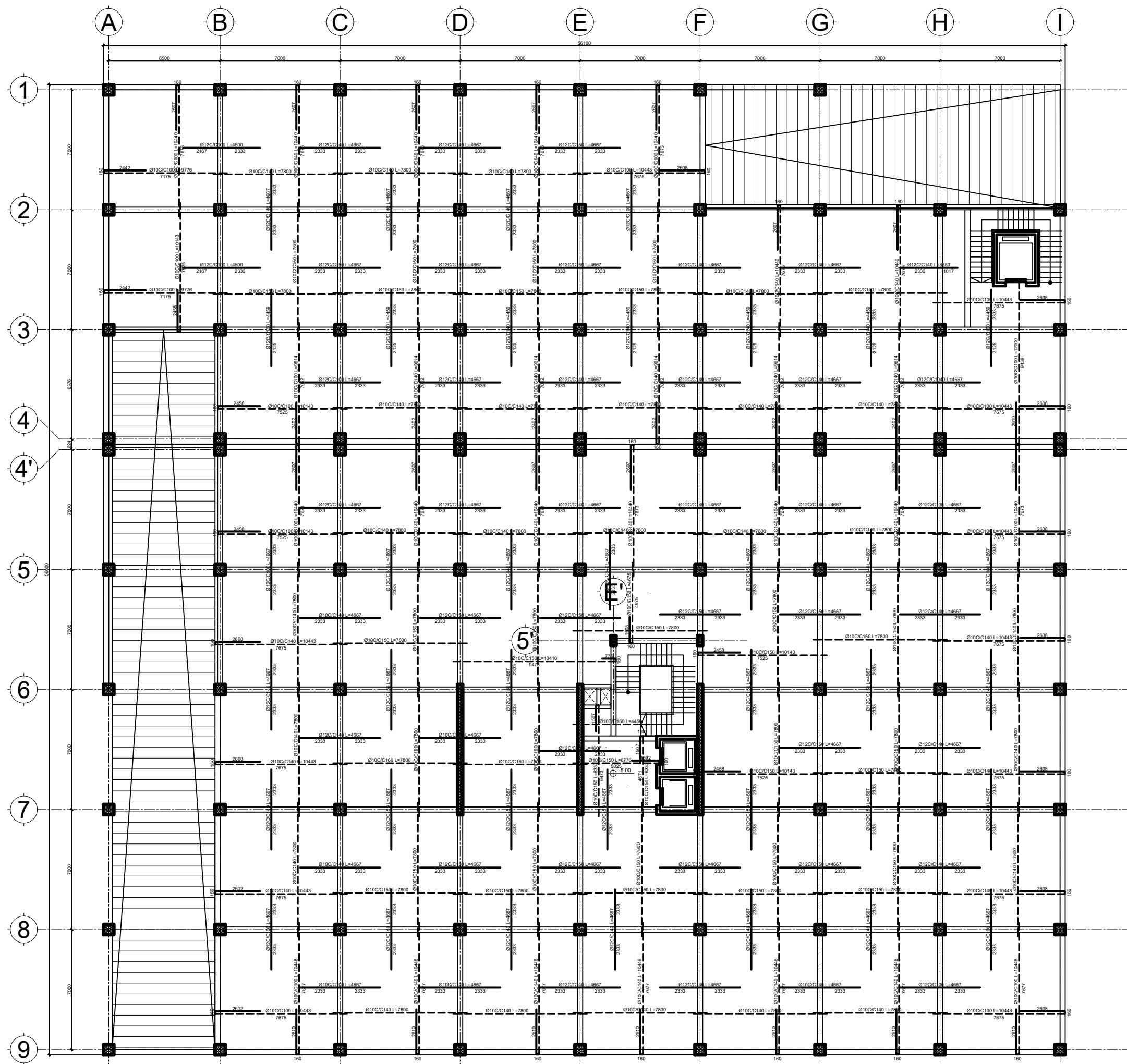


PILE SECTIONS
SCALE 1:25




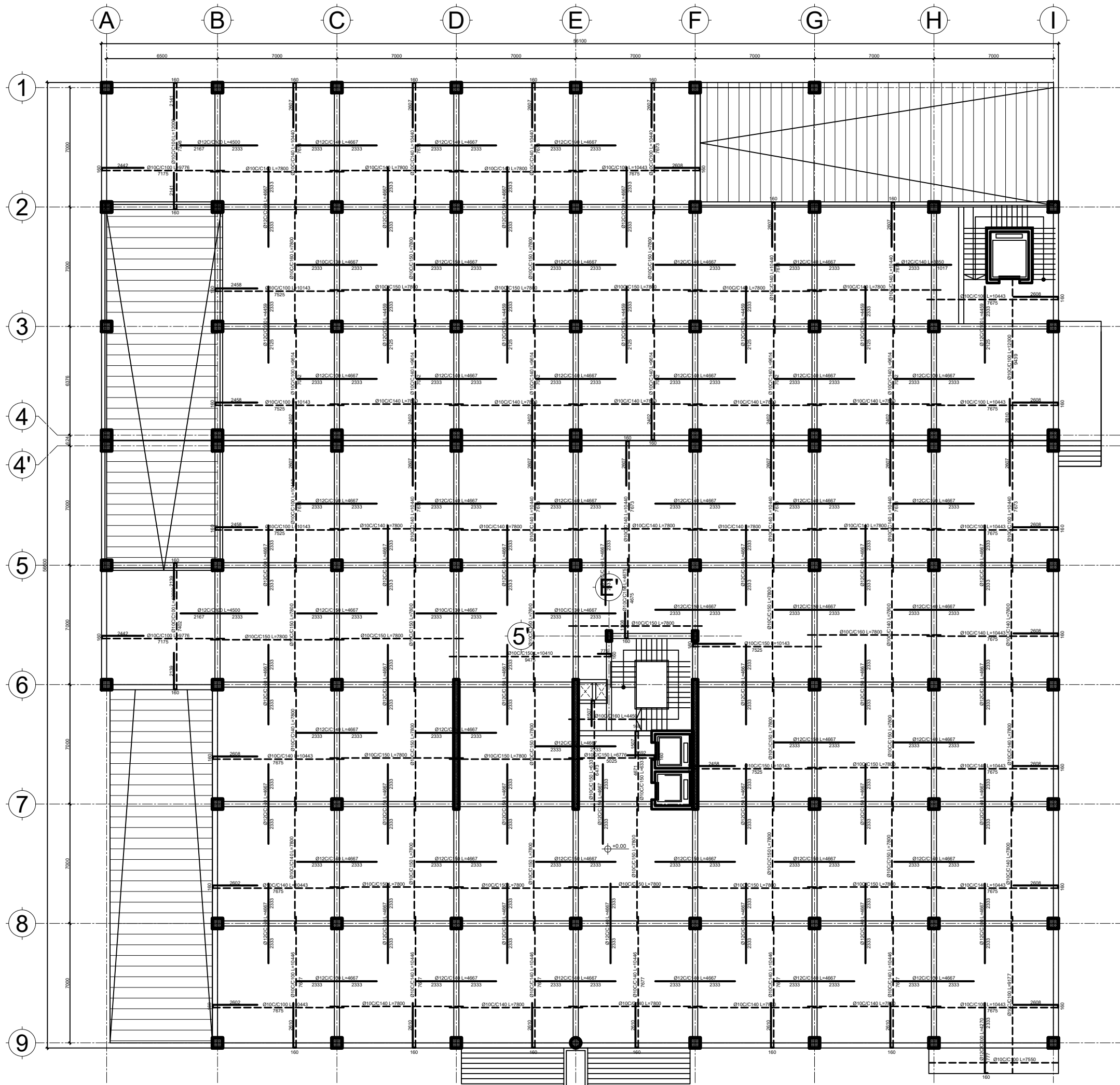
Typical Shotcrete wall section

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PROJECT STATUS <input checked="" type="checkbox"/> NEW <input type="checkbox"/> MODIFICATION <input type="checkbox"/> AS-BUILT		
PROJECT TITLE EQA PT PANEL PRODUCTION, BIO-BANK AND CENTRAL WAREHOUSE BUILDING		
Title: STRUCTURAL DRAWING		DRAWING NO ST
Designed by: Engineering Service Directorate - MoH		ST
Drawn by:		03/53
Scale: NTS	Date: May 2021	




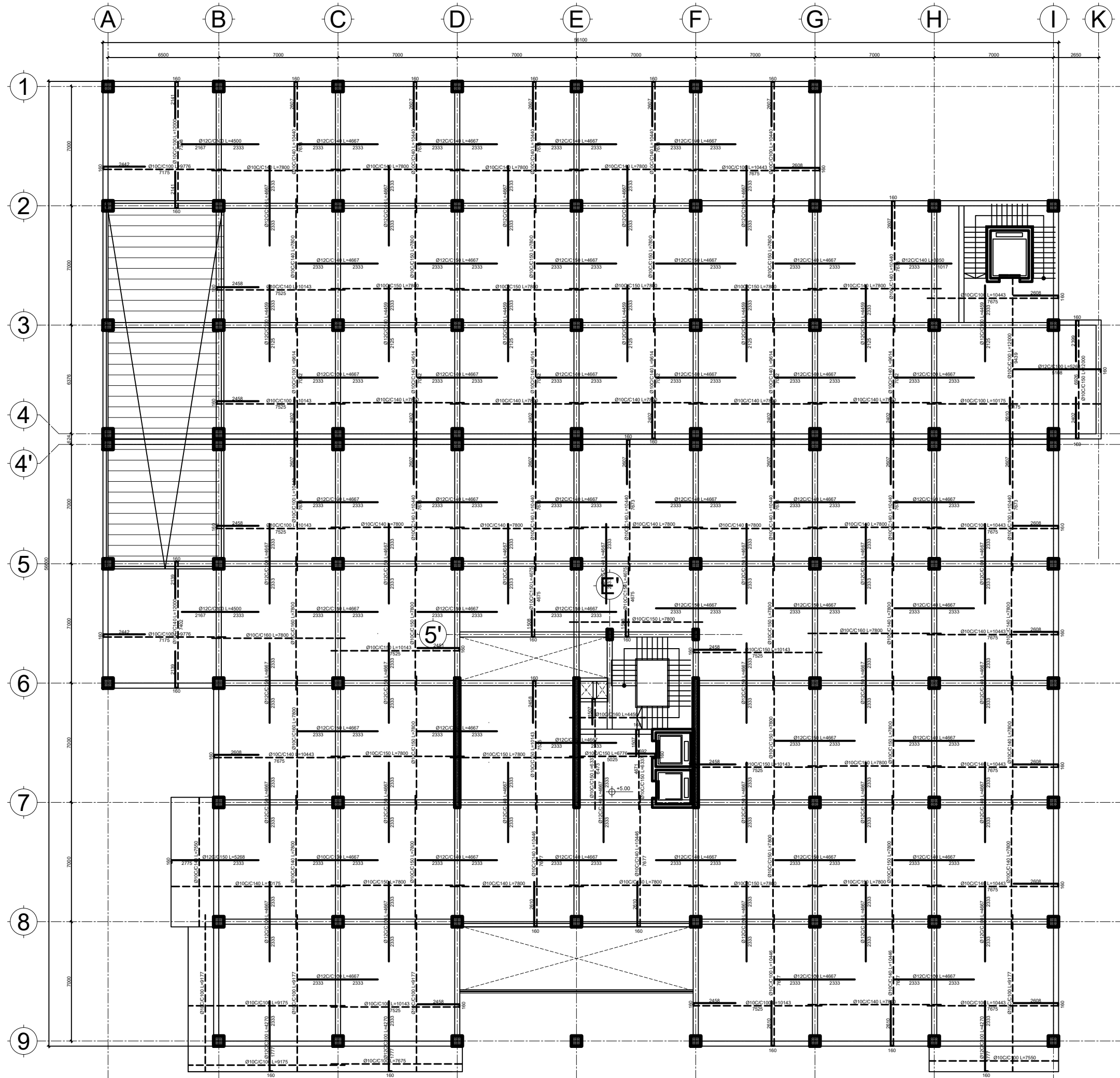
FIRST BASEMENT FLOOR REINFORCEMENT AND BEAM LAYOUT
190 mm thick RC slab

DATE	REVISION	SIGN
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PROJECT STATUS		
<input checked="" type="checkbox"/> NEW	<input type="checkbox"/> MODIFICATION	<input type="checkbox"/> AS-BUILT
PROJECT TITLE		
EQA PT PANEL PRODUCTION, BIO-BANK AND CENTRAL WAREHOUSE BUILDING		
Title:		DRAWING NO
STRUCTURAL DRAWING		ST
Designed by:		ST
Engineering Service Directorate - MoH		
Drawn by:		04/53
Scale: NTS	Date: May 2021	




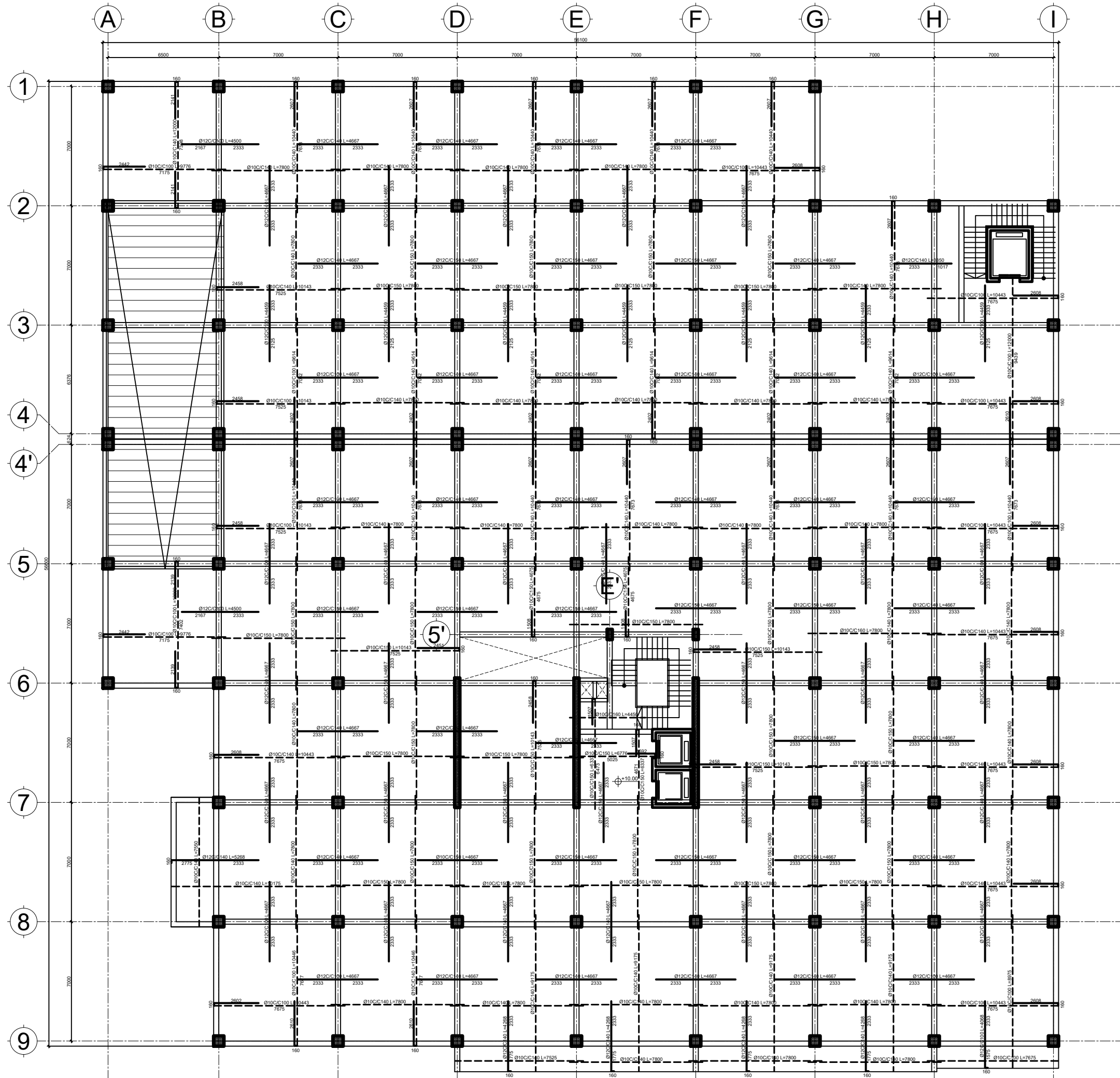
GROUND FLOOR REINFORCEMENT AND BEAM LAYOUT
190 mm thick RC slab

DATE	REVISION	SIGN
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TEL: 011 5517011, 011 5517002, 011 5518031 FAX: 011 5519366, 011 5512691, 011 552242 P.O.BOX: 1234		
PROJECT STATUS <input checked="" type="checkbox"/> NEW <input type="checkbox"/> MODIFICATION <input type="checkbox"/> AS-BUILT		
PROJECT TITLE EQA PT PANEL PRODUCTION, BIO-BANK AND CENTRAL WAREHOUSE BUILDING		
Title : STRUCTURAL DRAWING		DRAWING NO ST
Designed by : Engineering Service Directorate - MoH		ST
Drawn by :		05/53
Scale: NTS	Date: May 2021	




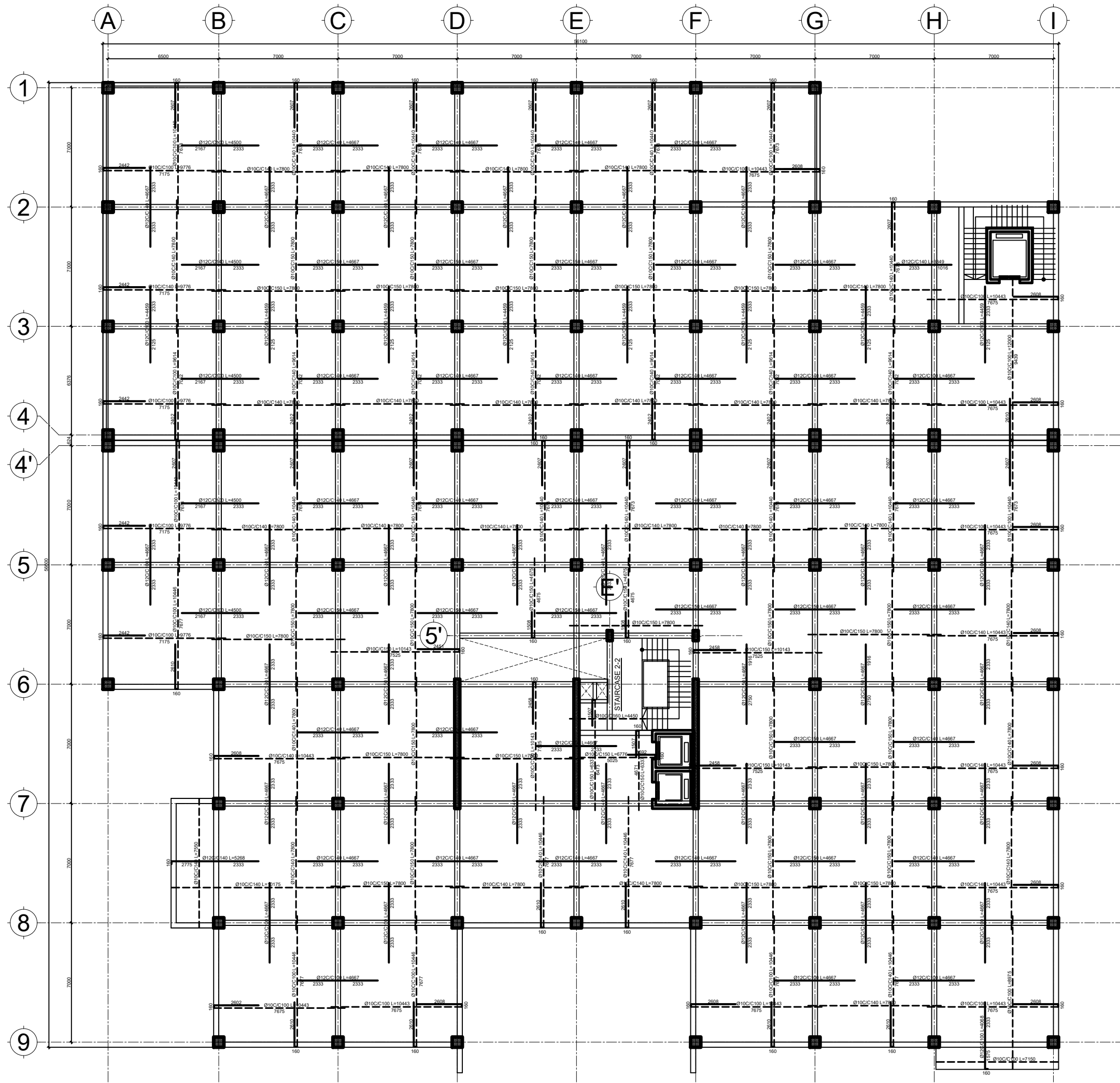
FIRST FLOOR REINFORCEMENT AND BEAM LAYOUT
190 mm thick RC slab

DATE	REVISION	SIGN
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TEL: 011 5517011, 011 5517002, 011 5518031 FAX: 011 5519366, 011 5512691, 011 552242 P.O.BOX: 1234		
PROJECT STATUS <input checked="" type="checkbox"/> NEW <input type="checkbox"/> MODIFICATION <input type="checkbox"/> AS-BUILT		
PROJECT TITLE EQA PT PANEL PRODUCTION, BIO-BANK AND CENTRAL WAREHOUSE BUILDING		
Title : STRUCTURAL DRAWING		DRAWING NO ST
Designed by : Engineering Service Directorate - MoH		ST
Drawn by :		06/53
Scale: NTS	Date: May 2021	




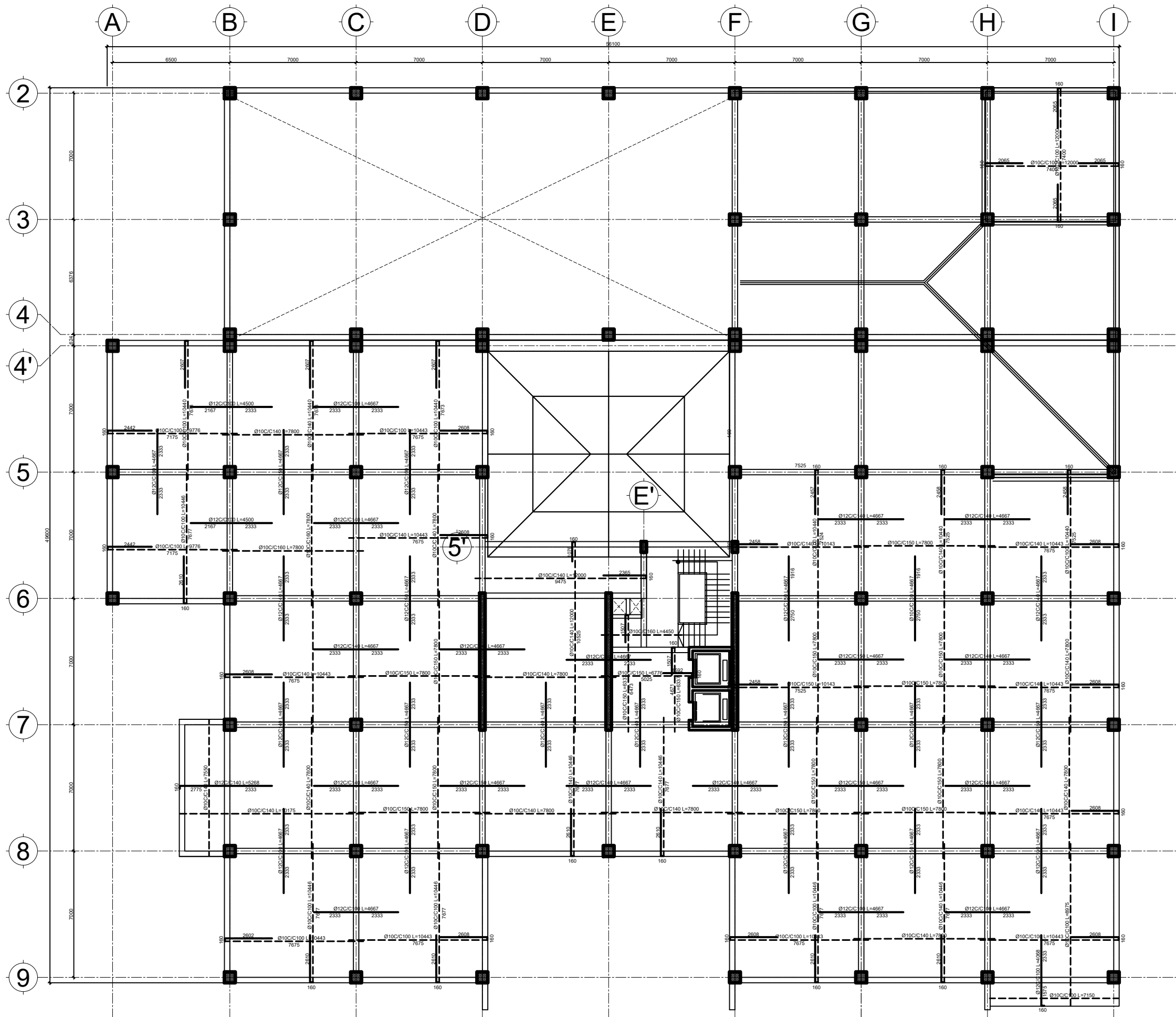
SECOND FLOOR REINFORCEMENT AND BEAM LAYOUT
190 mm thick RC slab

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PROJECT STATUS		
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PROJECT TITLE		
EQA PT PANEL PRODUCTION, BIO-BANK AND CENTRAL WAREHOUSE BUILDING		
Title :	DRAWING NO	
STRUCTURAL DRAWING	ST	
Designed by :	ST	
Engineering Service Directorate - MoH	07/53	
Drawn by :	Date:	
	May 2021	
Scale: NTS		



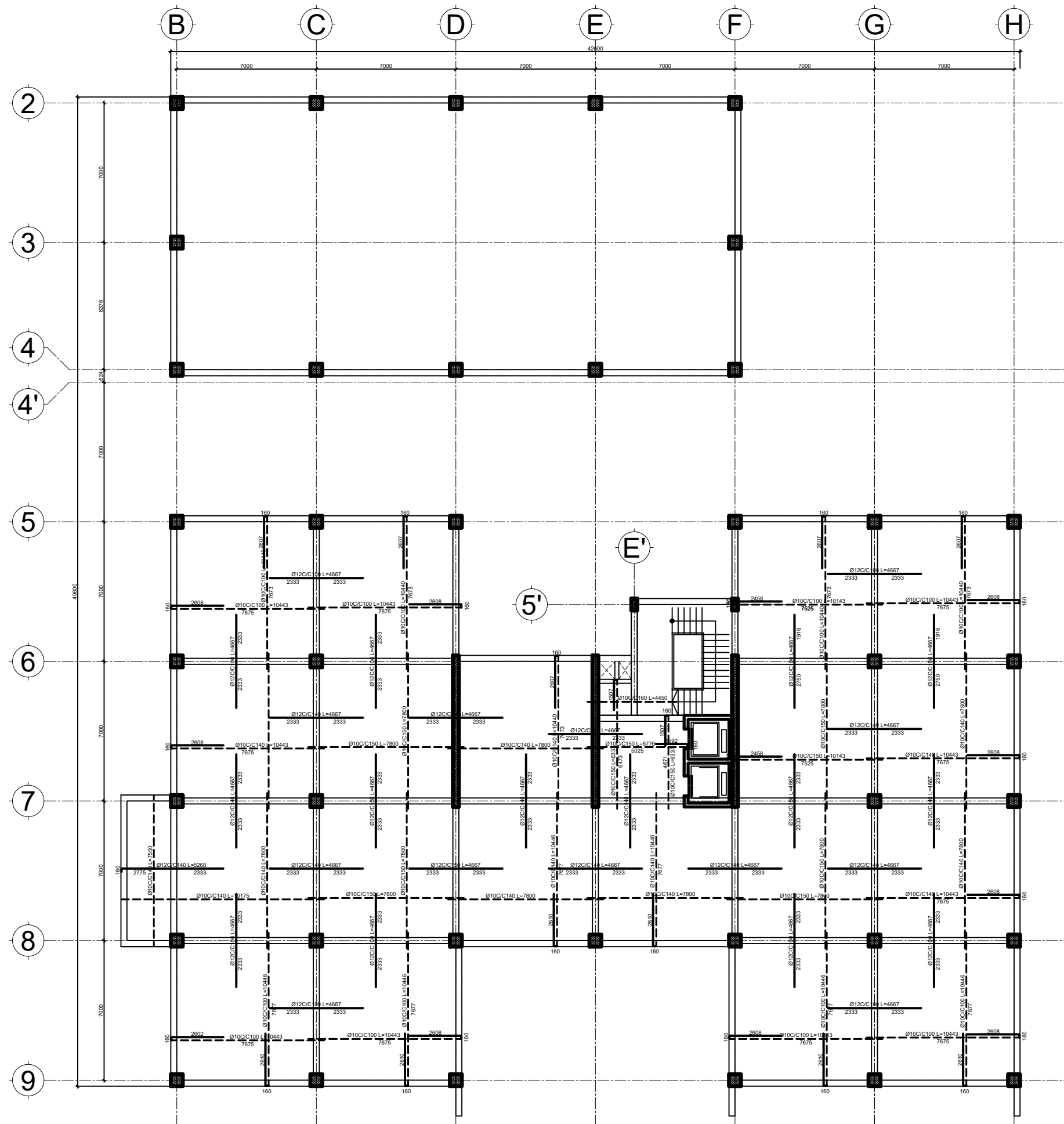
THIRD FLOOR REINFORCEMENT AND BEAM LAYOUT
190 mm thick RC slab

DATE	REVISION	SIGN
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TEL: 011 5517011, 011 5517002, 011 5518031 FAX: 011 5519366, 011 5512691, 011 552242 P.O.BOX: 1234		
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PROJECT TITLE EQA PT PANEL PRODUCTION, BIO-BANK AND CENTRAL WAREHOUSE BUILDING		
Title : STRUCTURAL DRAWING		DRAWING NO ST
Designed by : Engineering Service Directorate - MoH		ST
Drawn by :		08/53
Scale: NTS	Date: May 2021	




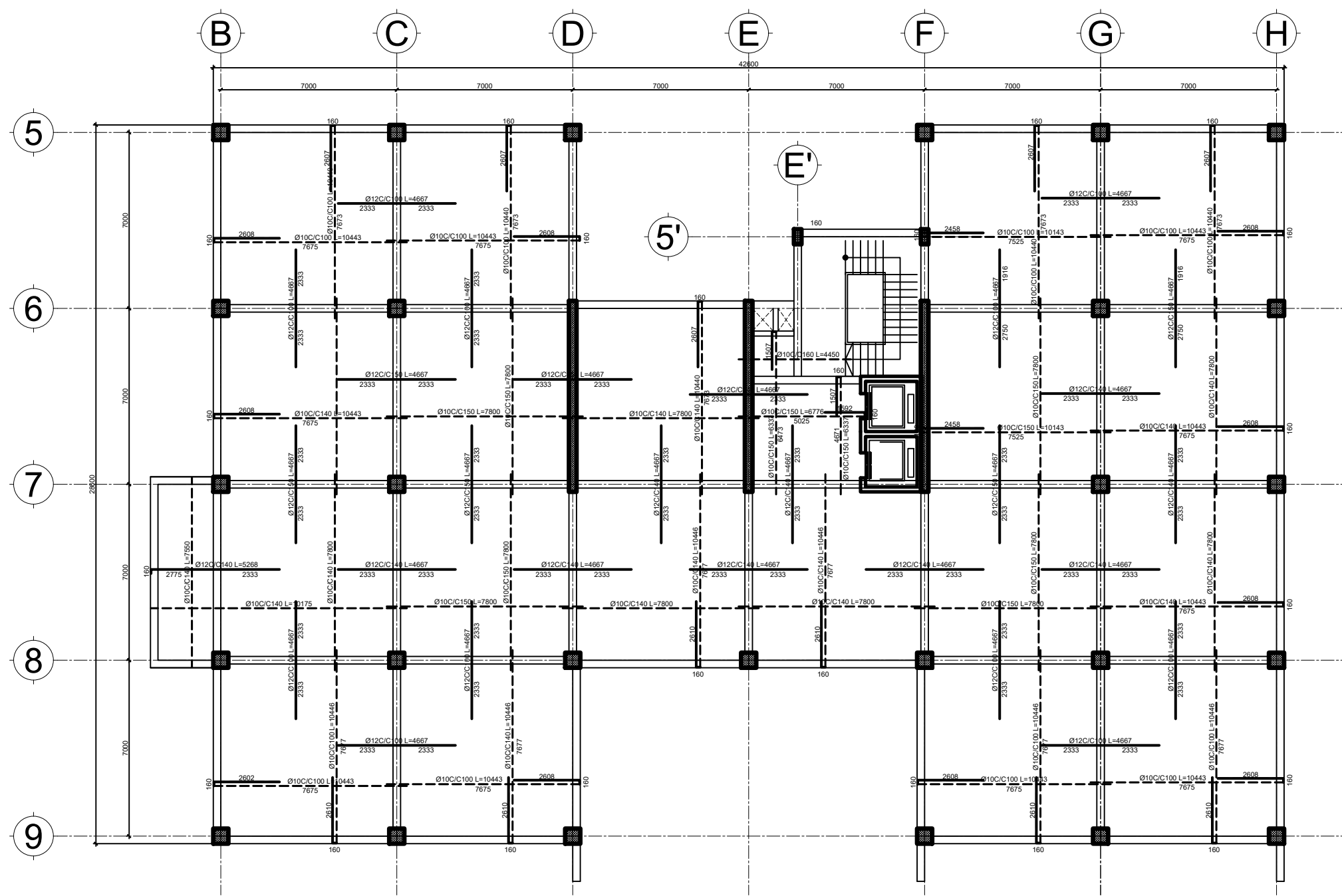
FOURTH FLOOR REINFORCEMENT AND BEAM LAYOUT
190 mm thick RC slab

DATE	REVISION	SIGN
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TEL: 011 5517011, 011 5517002, 011 5518031 FAX: 011 5519366, 011 5512691, 011 552242 P.O.BOX: 1234		
PROJECT STATUS		
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PROJECT TITLE		
EQA PT PANEL PRODUCTION, BIO-BANK AND CENTRAL WAREHOUSE BUILDING		
Title:	DRAWING NO	
STRUCTURAL DRAWING	ST	
Designed by:	Engineering Service Directorate - MoH	
Drawn by:	ST	
Scale: NTS	Date: May 2021	09/53




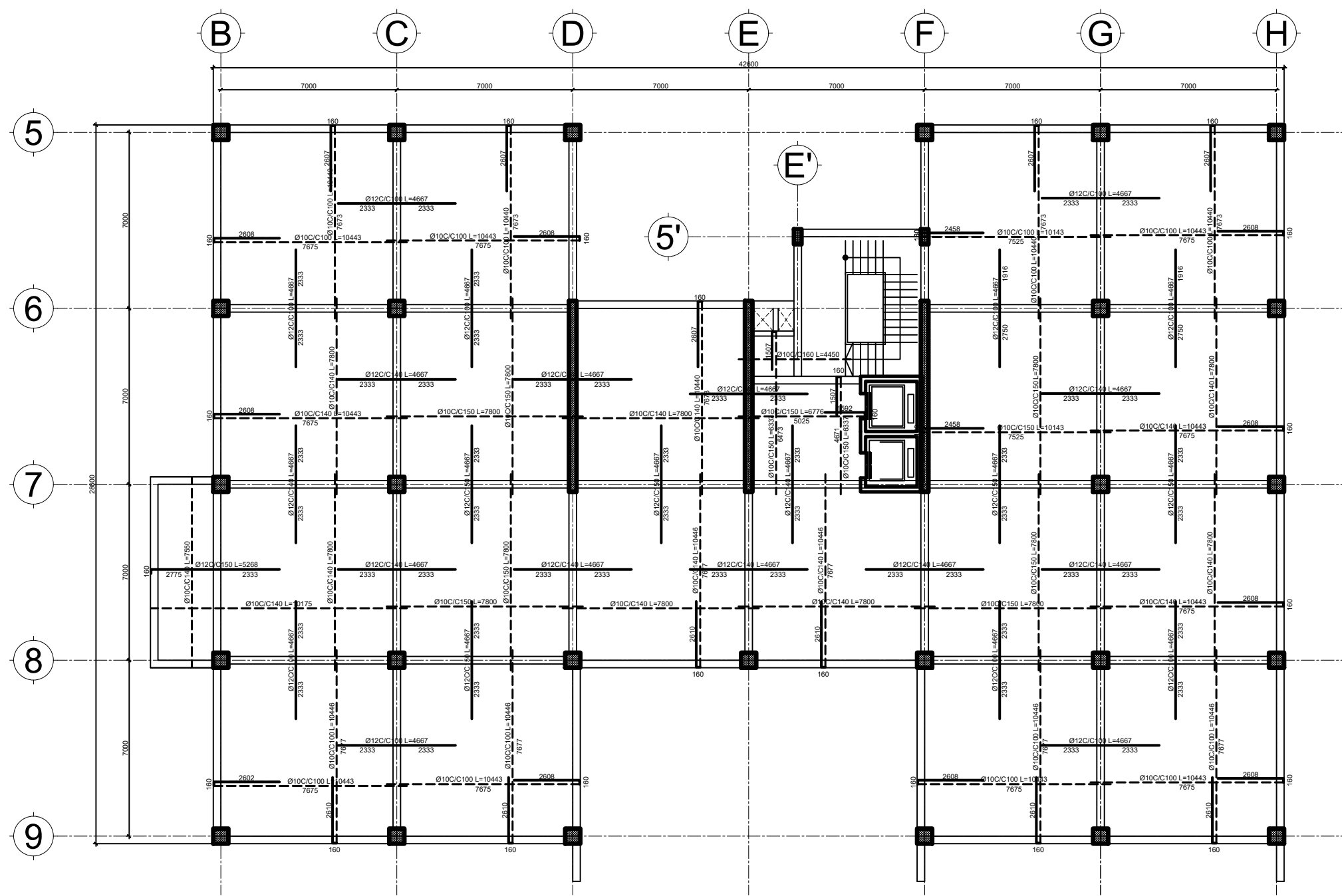
FIFTH FLOOR REINFORCEMENT AND BEAM LAYOUT
190 mm thick RC slab

DATE	REVISION	SIGN
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PROJECT TITLE		
EQA PT PANEL PRODUCTION, BIO-BANK AND CENTRAL WAREHOUSE BUILDING		
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STRUCTURAL DRAWING	ST	
Designed by:	Engineering Service Directorate - MoH	
Drawn by:		
Scale: NTS	Date: May 2021	ST 10/53




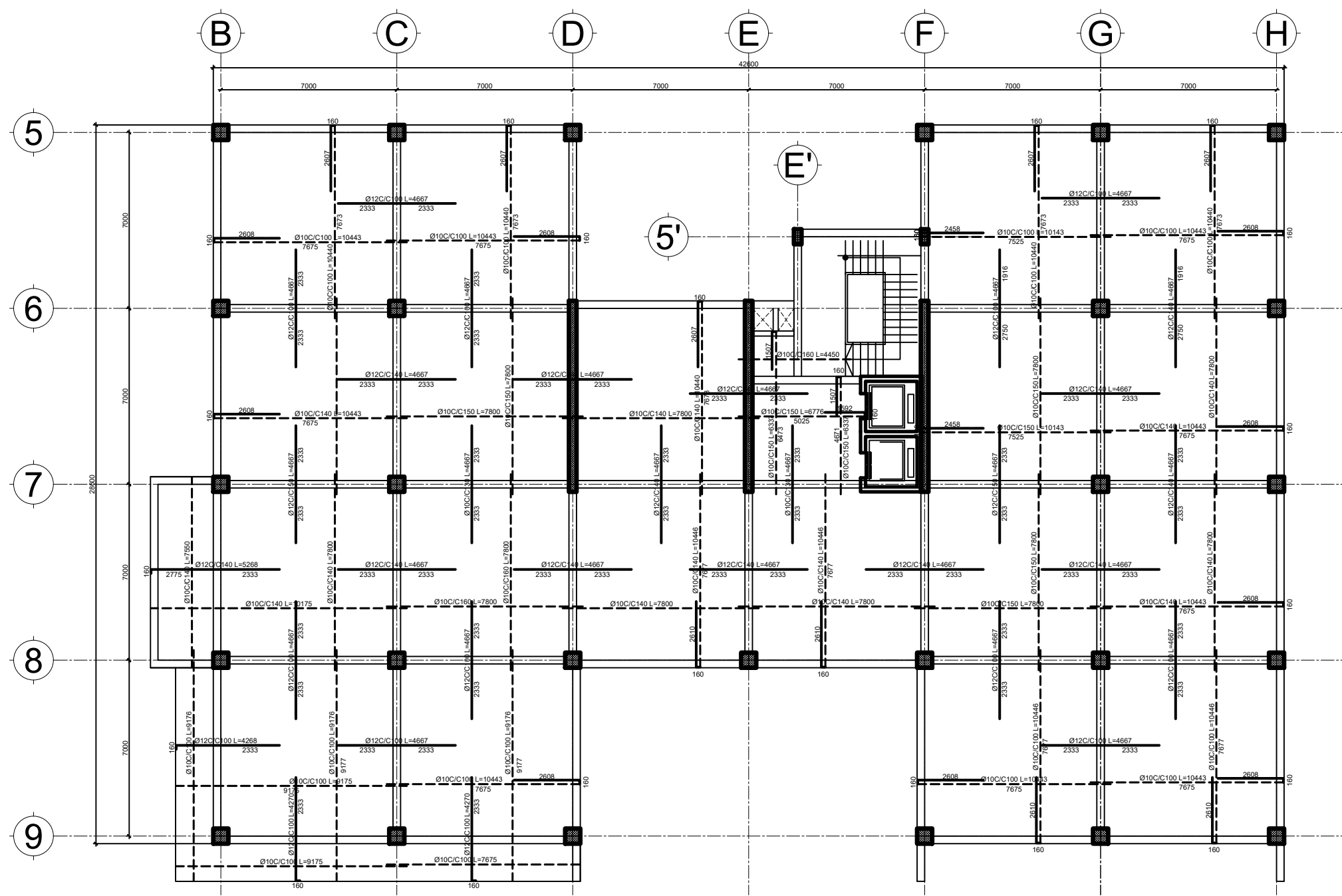
SIXTH FLOOR REINFORCEMENT AND BEAM LAYOUT
190 mm thick RC slab

DATE	REVISION	SIGN
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PROJECT STATUS <input checked="" type="checkbox"/> NEW <input type="checkbox"/> MODIFICATION <input type="checkbox"/> AS-BUILT		
PROJECT TITLE EQA PT PANEL PRODUCTION, BIO-BANK AND CENTRAL WAREHOUSE BUILDING		
Title : STRUCTURAL DRAWIN		DRAWING NO ST
Designed by : Engineering Service Directorate - MoH		ST
Drawn by :		11/53
Scale: NTS	Date: May 2021	




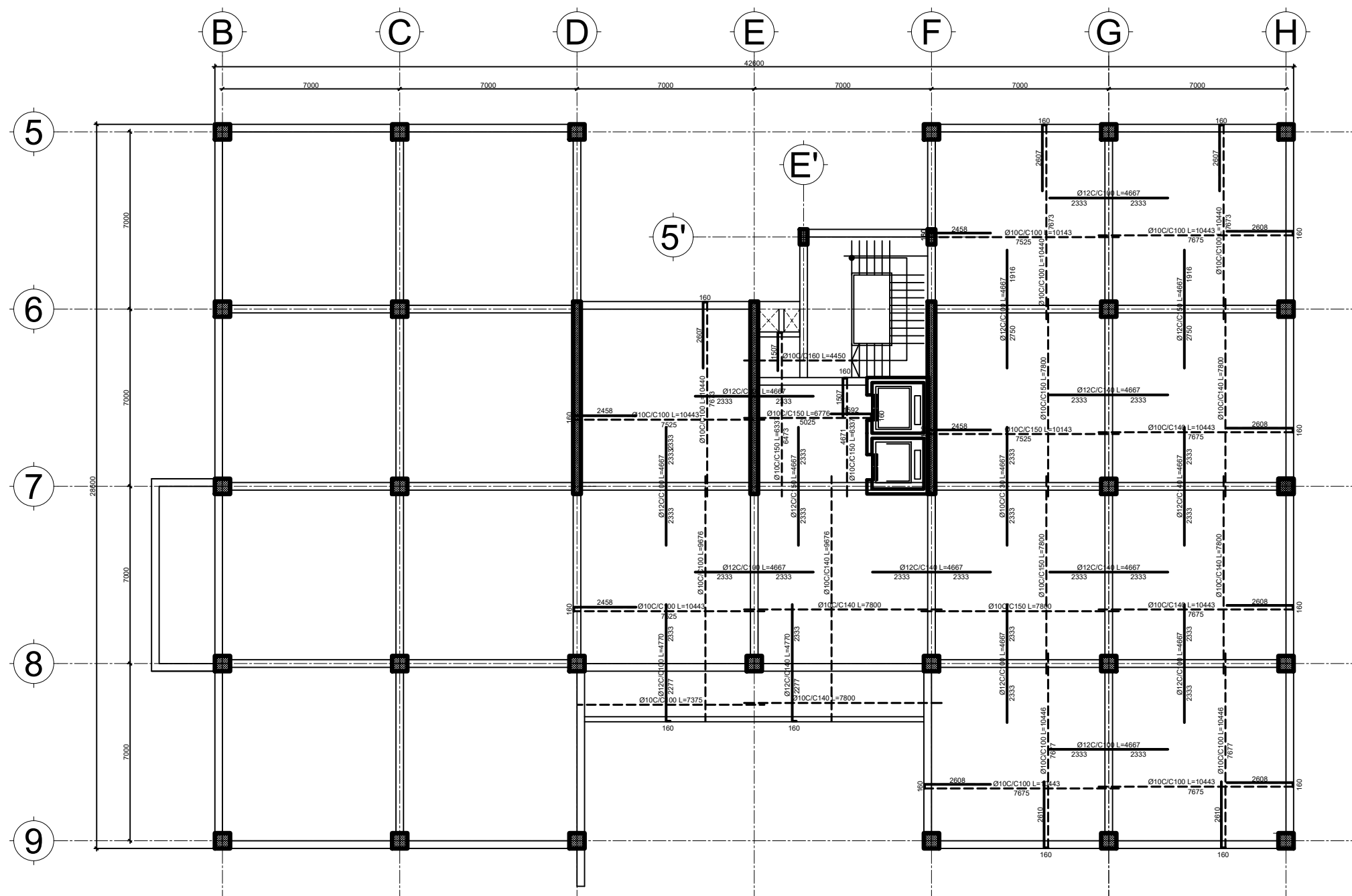
SEVENTH FLOOR REINFORCEMENT AND BEAM LAYOUT
190 mm thick RC slab

DATE	REVISION	SIGN
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TEL: 011 5517011, 011 5517002, 011 5518031 FAX: 011 5519366, 011 5512691, 011 552242 P.O.BOX: 1234		
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PROJECT TITLE		
EQA PT PANEL PRODUCTION, BIO-BANK AND CENTRAL WAREHOUSE BUILDING		
Title :	DRAWING NO	
STRUCTURAL DRAWIN	ST	
Designed by :		
Engineering Service Directorate - MoH		
Drawn by :		
Scale: NTS	Date: May 2021	ST 12/53




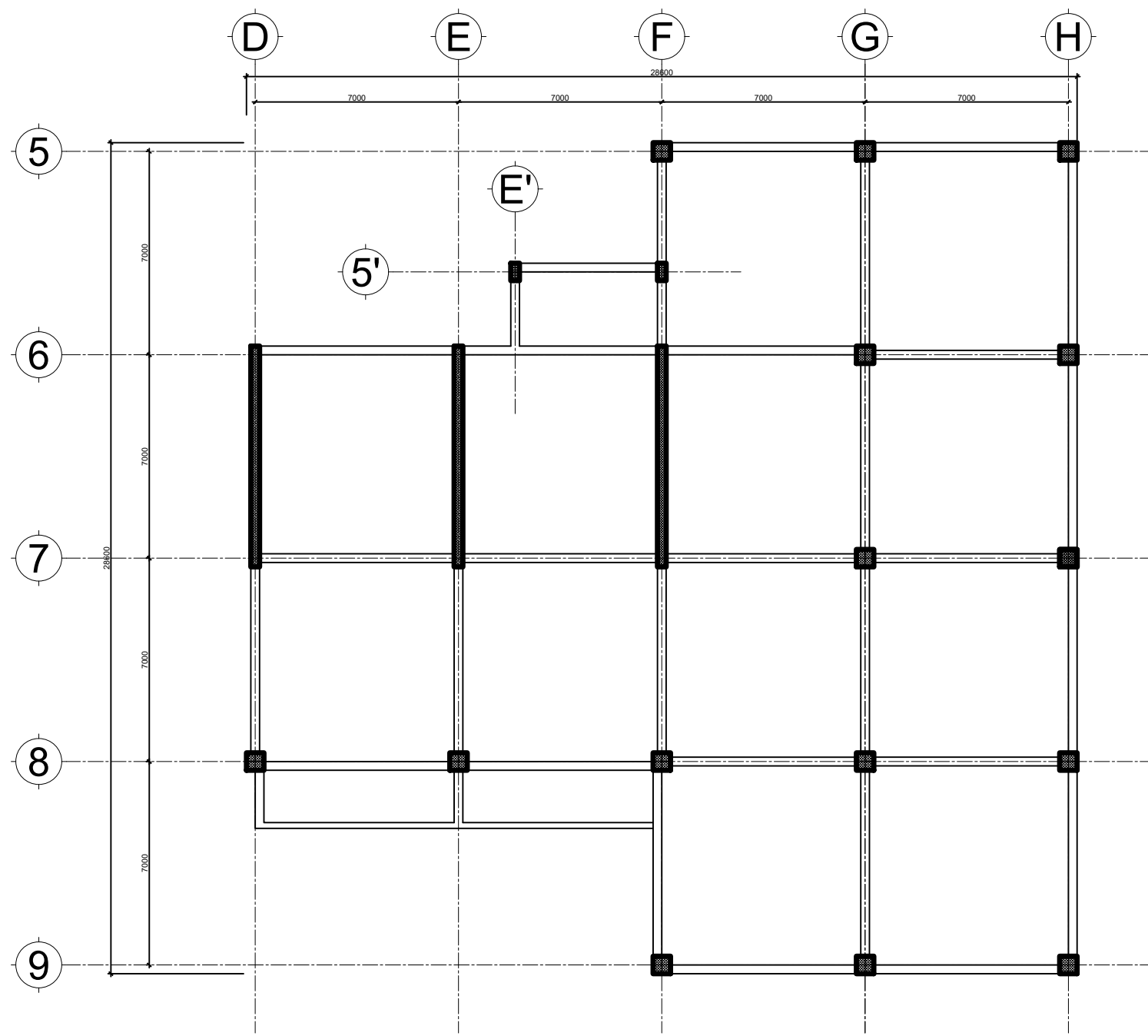
EIGHT FLOOR REINFORCEMENT AND BEAM LAYOUT
190 mm thick RC slab

DATE	REVISION	SIGN
 ጤና ሚኒስቴር - ኢትዮጵያ MINISTRY OF HEALTH ETHIOPIA		
TEL: 011 5517011, 011 5517002, 011 5518031 FAX: 011 5519366, 011 5512691, 011 552242 P.O.BOX: 1234		
PROJECT STATUS <input checked="" type="checkbox"/> NEW <input type="checkbox"/> MODIFICATION <input type="checkbox"/> AS-BUILT		
PROJECT TITLE EQA PT PANEL PRODUCTION, BIO-BANK AND CENTRAL WAREHOUSE BUILDING		
Title : STRUCTURAL DRAWING		DRAWING NO ST
Designed by : Engineering Service Directorate - MoH		ST
Drawn by :		13/53
Scale: NTS	Date: May 2021	

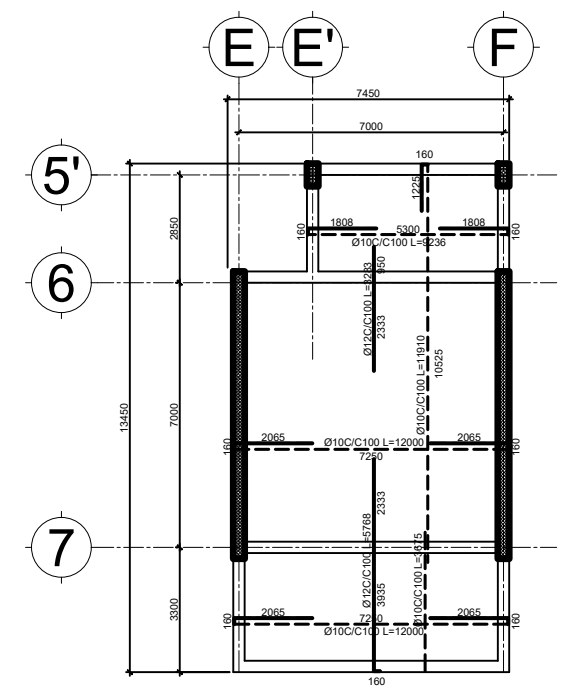


NINTH FLOOR REINFORCEMENT AND BEAM LAYOUT
190 mm thick RC slab


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 ጤና ሚኒስቴር - ኢትዮጵያ MINISTRY OF HEALTH ETHIOPIA		
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PROJECT STATUS <input checked="" type="checkbox"/> NEW <input type="checkbox"/> MODIFICATION <input type="checkbox"/> AS-BUILT		
PROJECT TITLE EQA PT PANEL PRODUCTION, BIO-BANK AND CENTRAL WAREHOUSE BUILDING		
Title: STRUCTURAL DRAWING		DRAWING NO. ST
Designed by: Engineering Service Directorate - MoH		ST
Drawn by:		14/53
Scale: NTS	Date: May 2021	

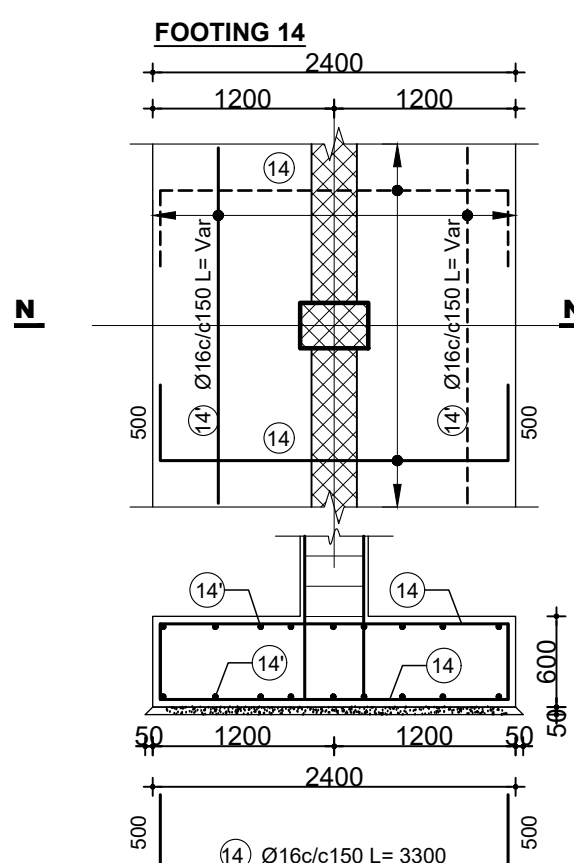
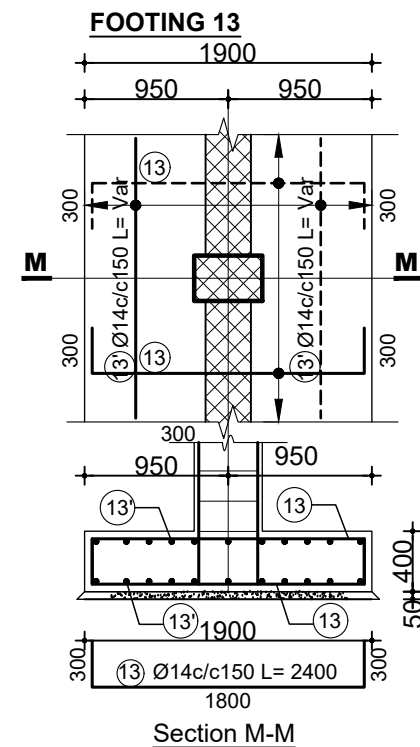
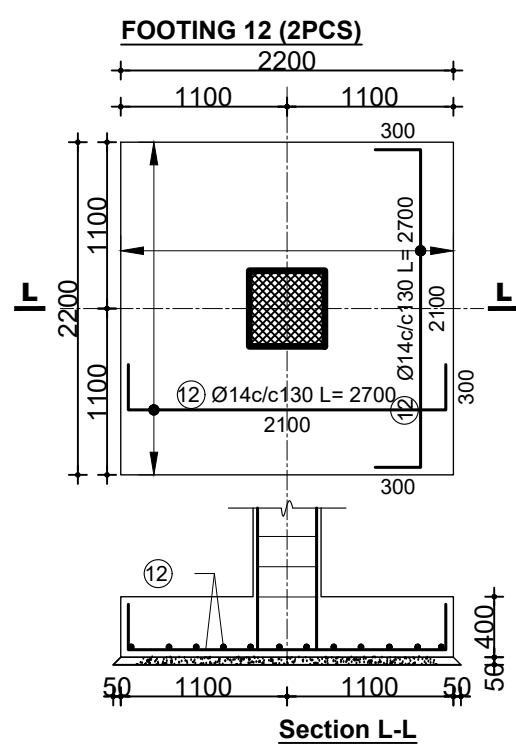
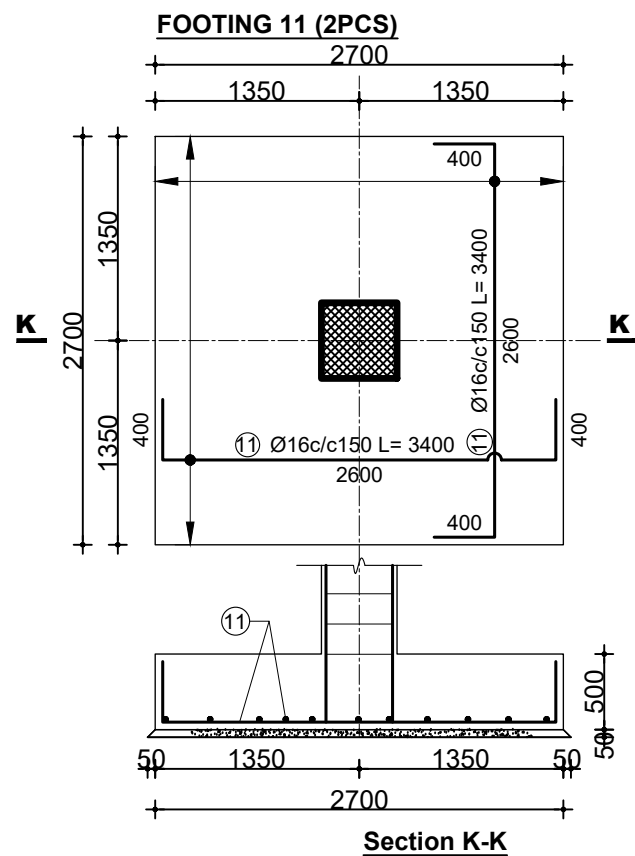
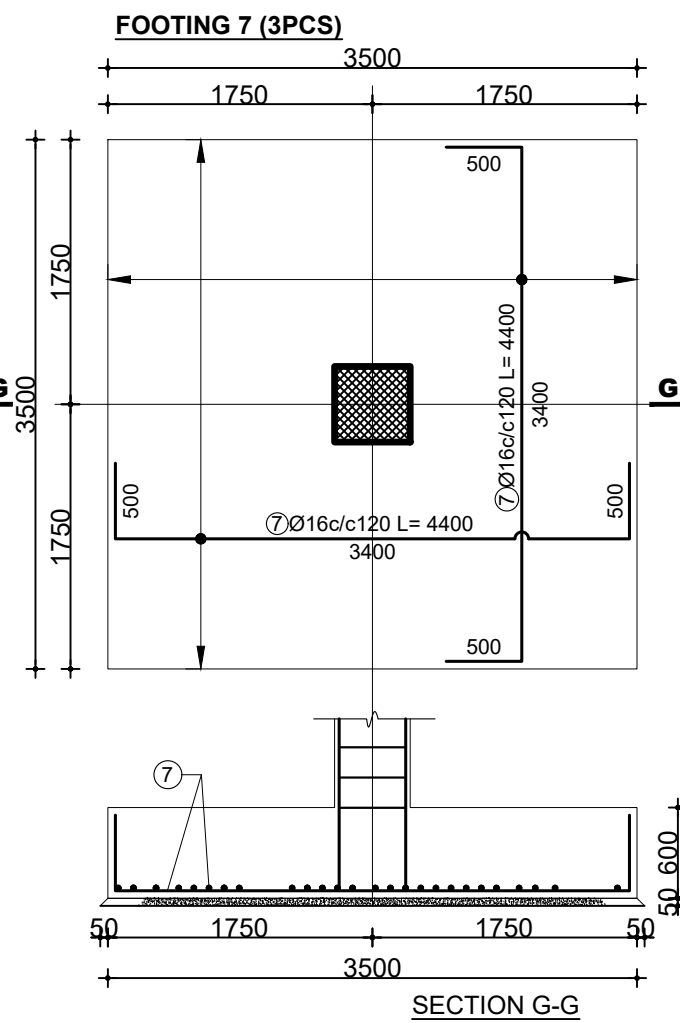
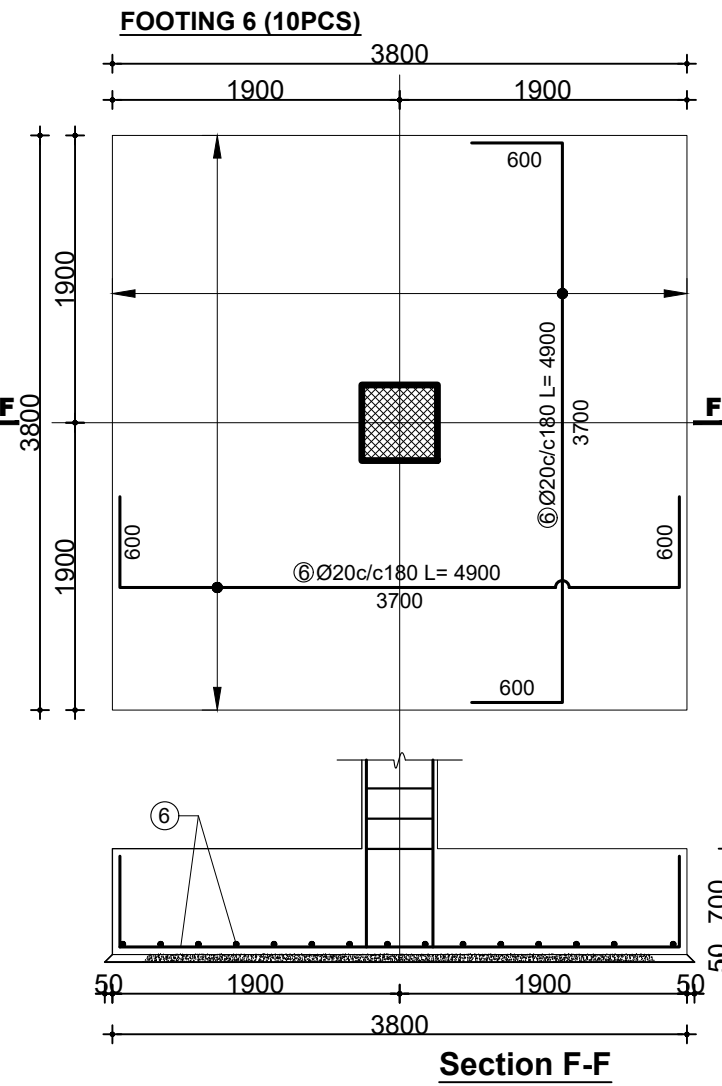
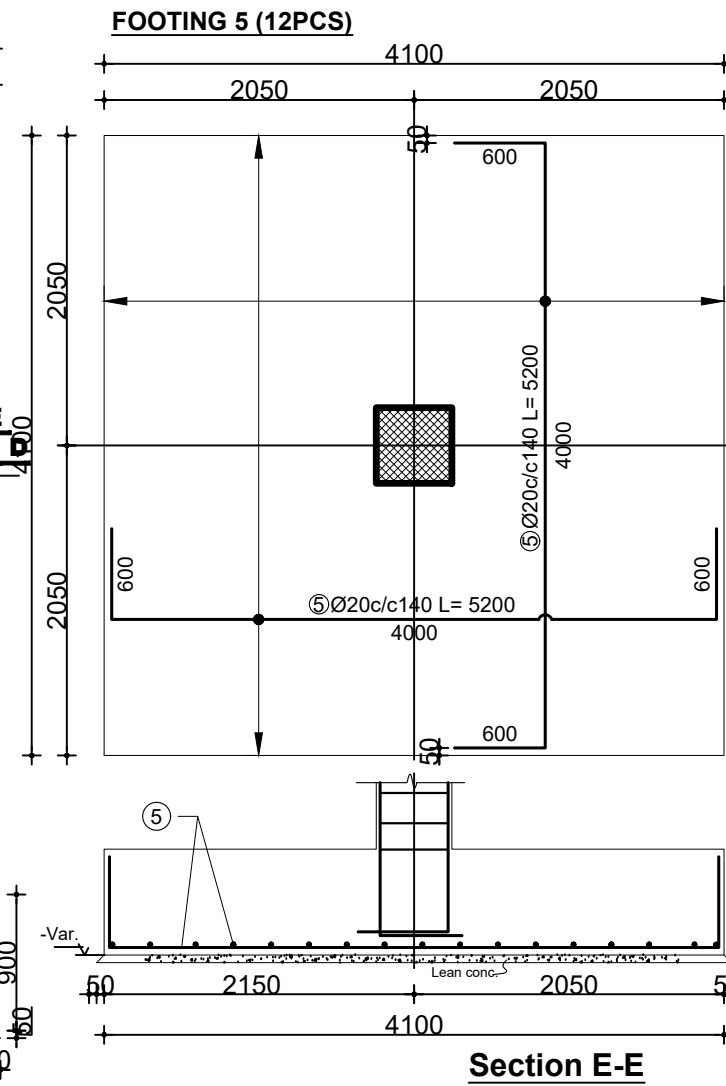
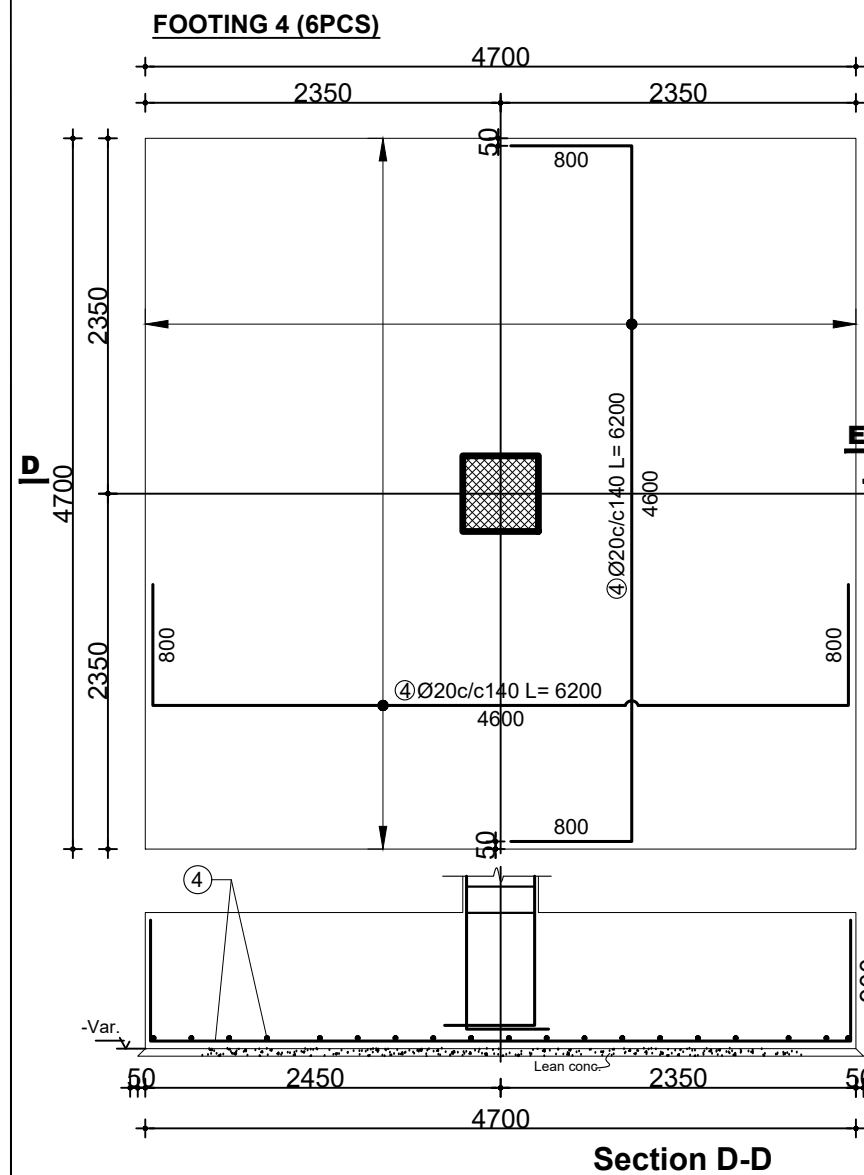



ROOF TOP TIE BEAM LAYOUT

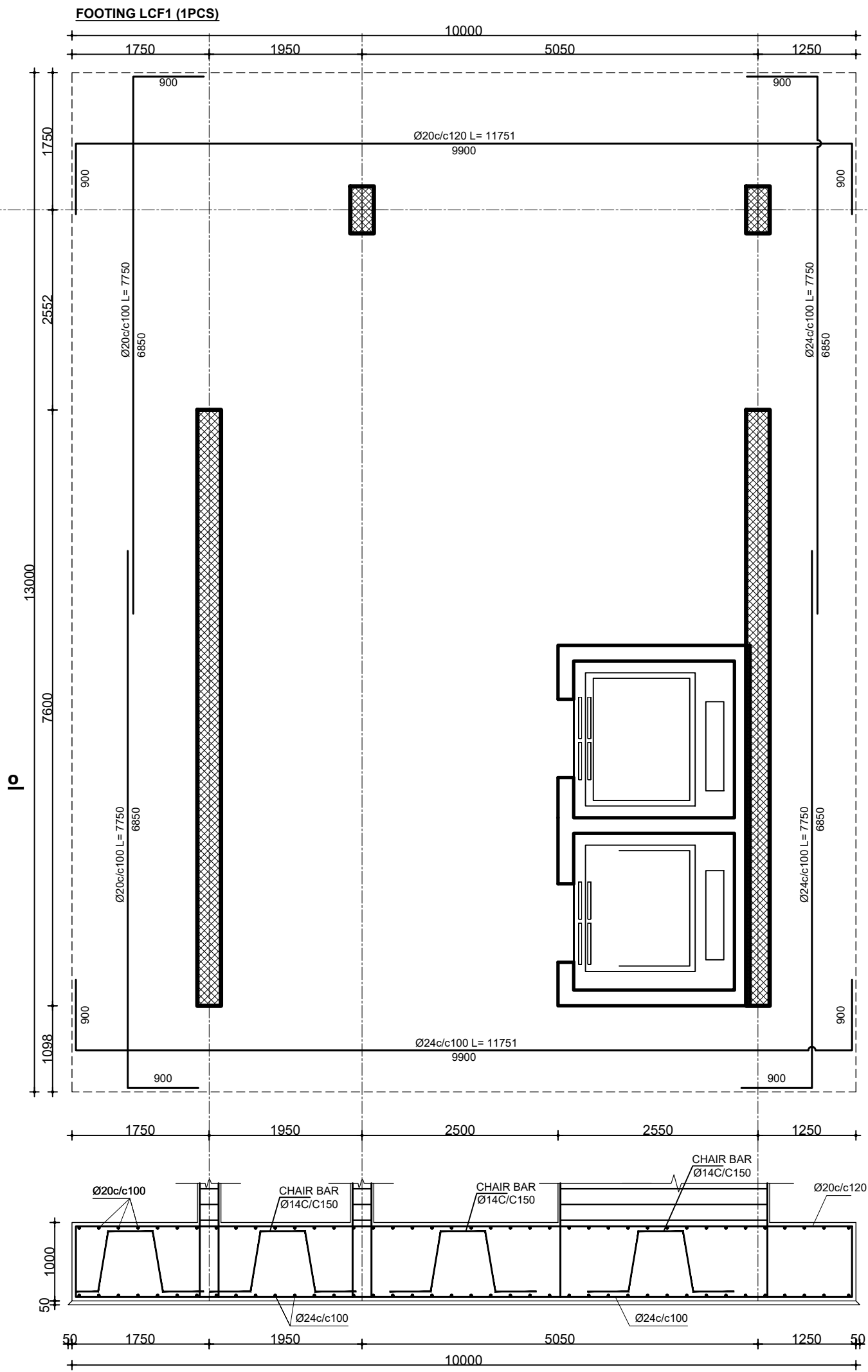


WATER TANKE SLAB REINFORCEMENT AND BEAM LAYOUT. 190mm thick RC slab

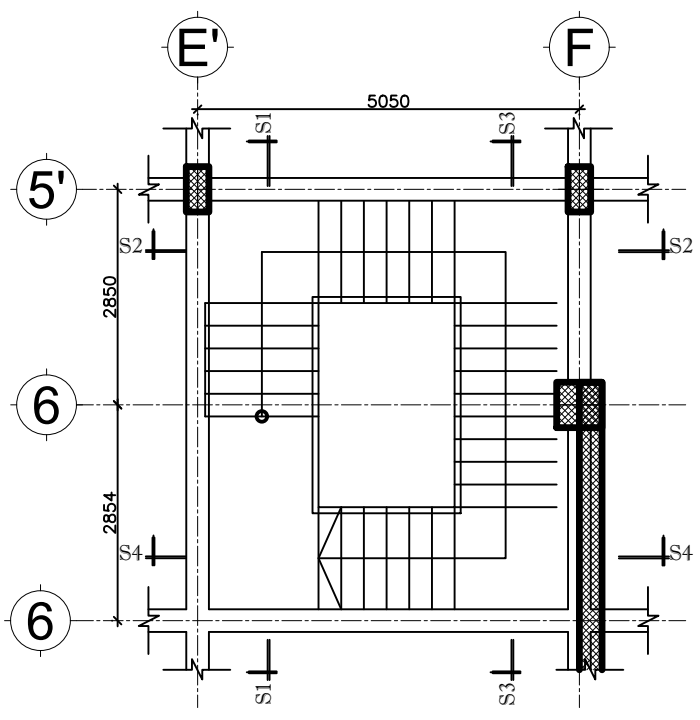
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TEL: 011 5517011, 011 5517002, 011 5518031 FAX: 011 5519366, 011 5512691, 011 552242 P.O.BOX: 1234		
PROJECT STATUS <input checked="" type="checkbox"/> NEW <input type="checkbox"/> MODIFICATION <input type="checkbox"/> AS-BUILT		
PROJECT TITLE EQA PT PANEL PRODUCTION, BIO-BANK AND CENTRAL WAREHOUSE BUILDING		
Title : STRUCTURAL DRAWIN		DRAWING NO. ST
Designed by : Engineering Service Directorate - MoH		ST
Drawn by :		15/53
Scale: NTS	Date: May 2021	



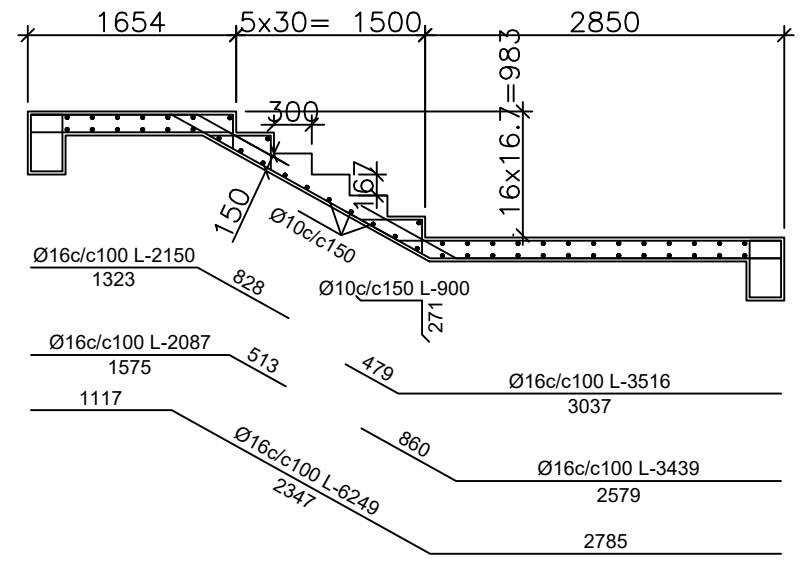
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PROJECT STATUS		
<input checked="" type="checkbox"/> NEW	<input type="checkbox"/> MODIFICATION	<input type="checkbox"/> AS-BUILT
PROJECT TITLE		
EQA PT PANEL PRODUCTION, BIO-BANK AND CENTRAL WAREHOUSE BUILDING		
Title: STRUCTURAL DRAWING		DRAWING NO: ST
Designed by: Engineering Service Directorate - MoH		ST
Drawn by:		ST
Scale: NTS	Date: May 2021	17/53



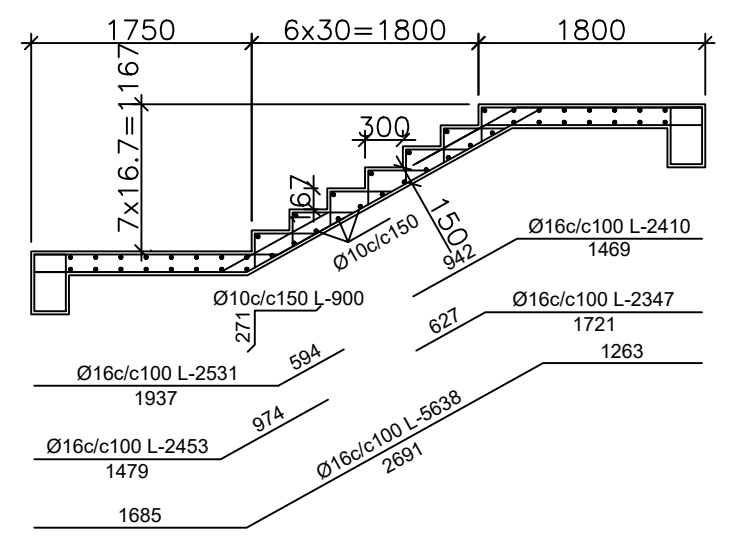
STAIR CASE PLAN 1-1



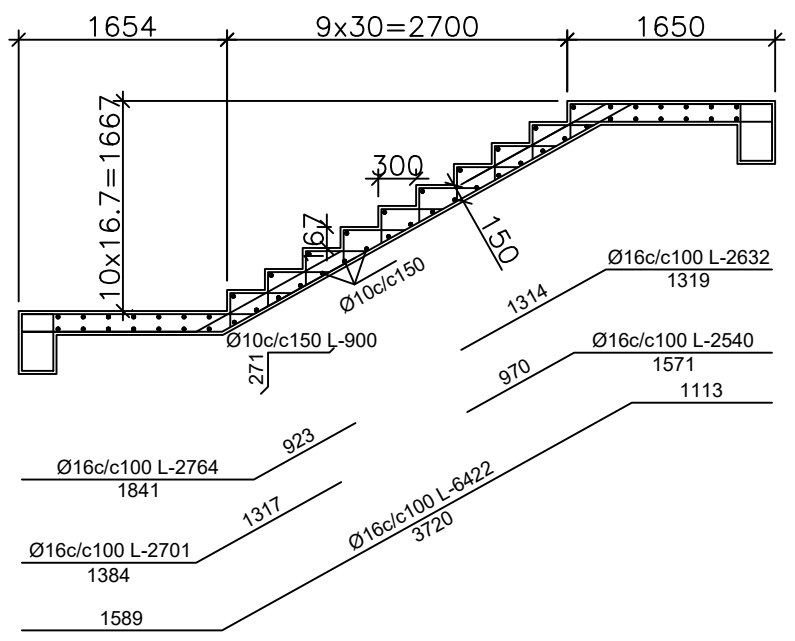
SECTION S1-S1



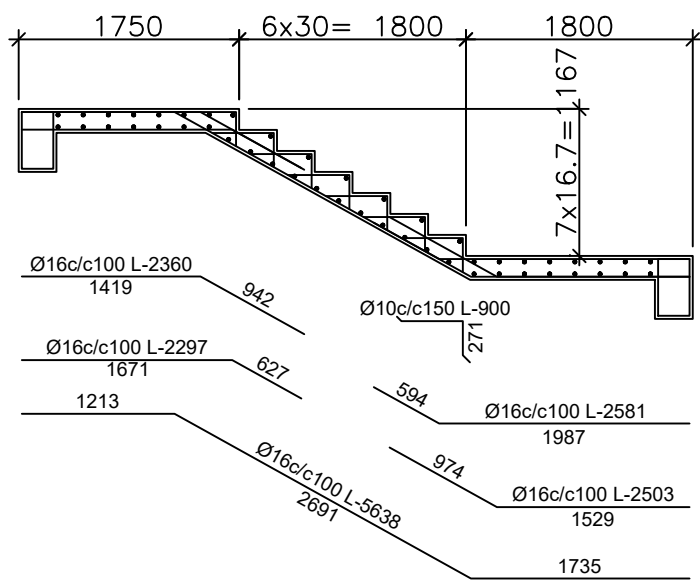
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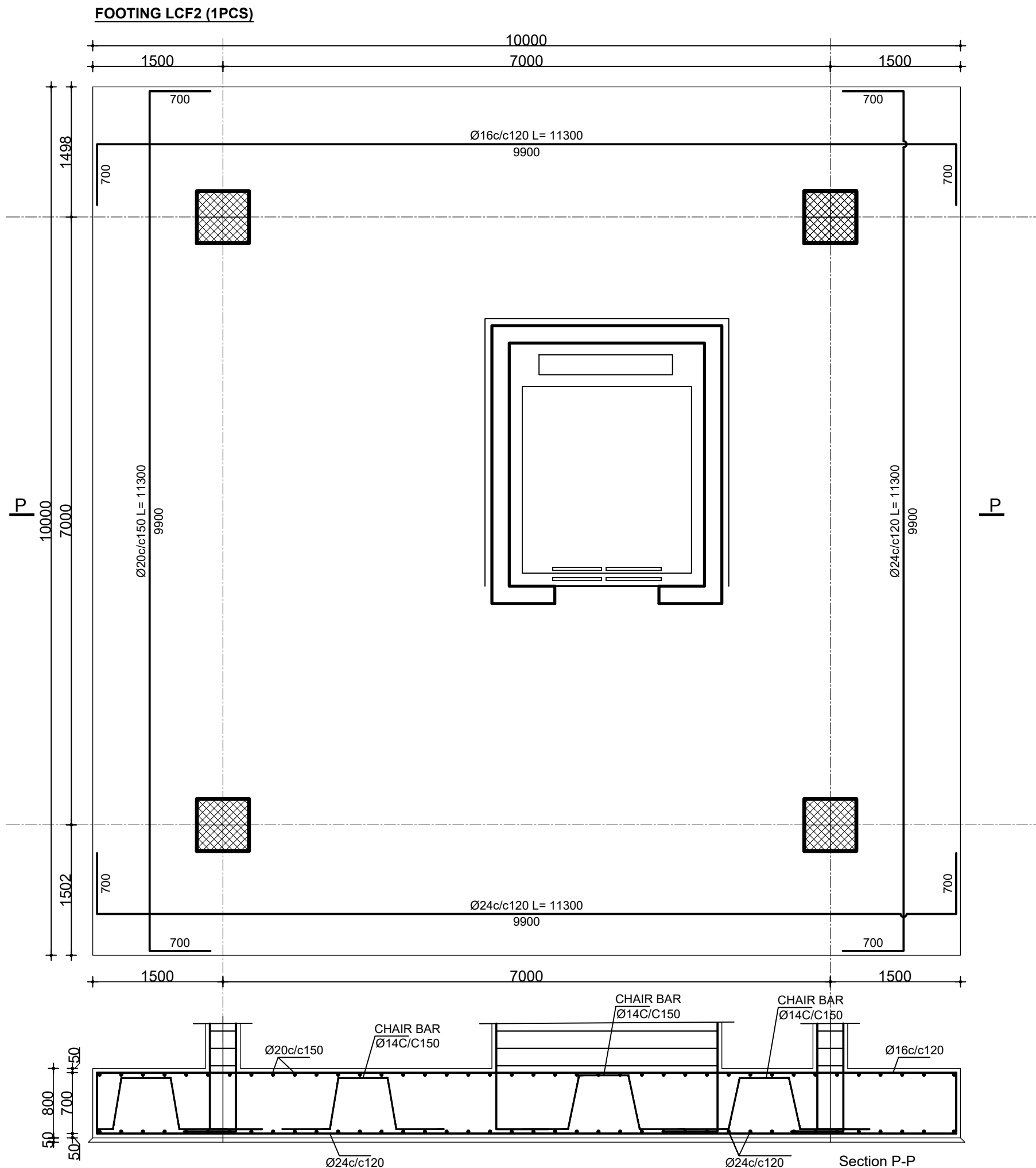
SECTION S3-S3




SECTION S4-S4

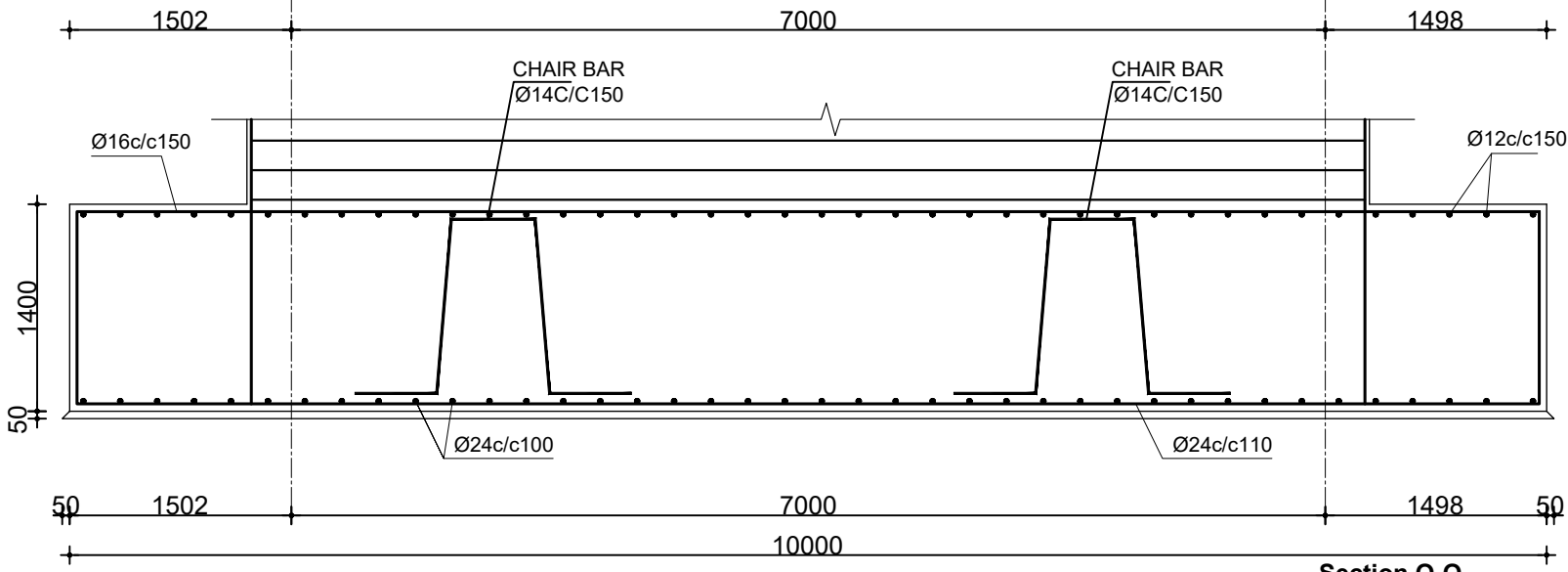
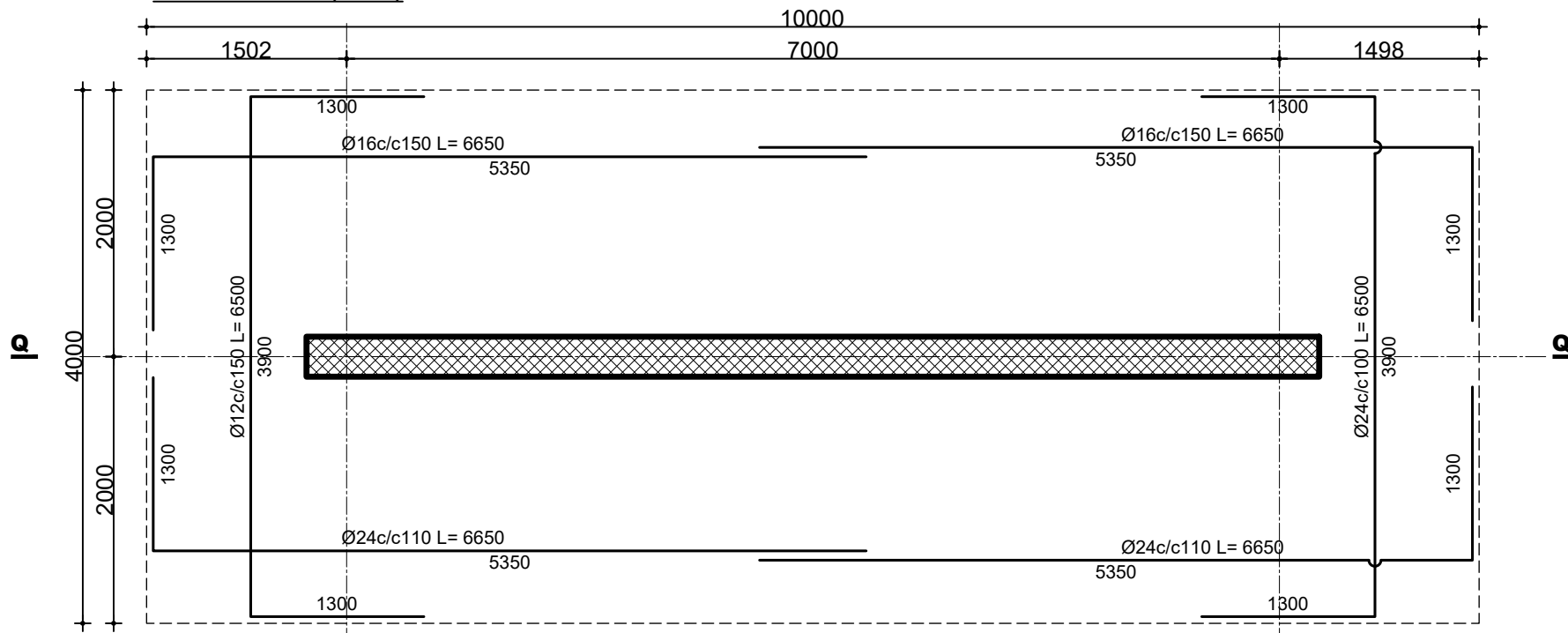


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PROJECT TITLE EQA PT PANEL PRODUCTION, BIO-BANK AND CENTRAL WAREHOUSE BUILDING		
Title: STRUCTURAL DRAWING		DRAWING NO ST
Designed by: Engineering Service Directorate - MoH		ST
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Scale: NTS	Date: May 2021	



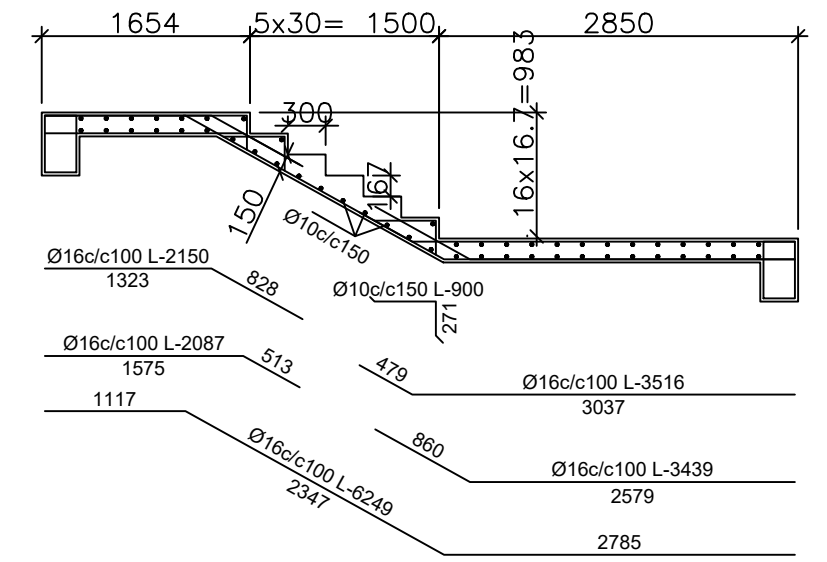
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PROJECT STATUS		
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PROJECT TITLE		
EQA PT PANEL PRODUCTION, BIO-BANK AND CENTRAL WAREHOUSE BUILDING		
Title:	STRUCTURAL DRAWIN	DRAWING NO
Designed by:	Engineering Service Directorate - MoH	ST
Drawn by:		ST
Scale:	NTS	Date: May 2021
		19/53

FOOTING SWF1 (1PCS)

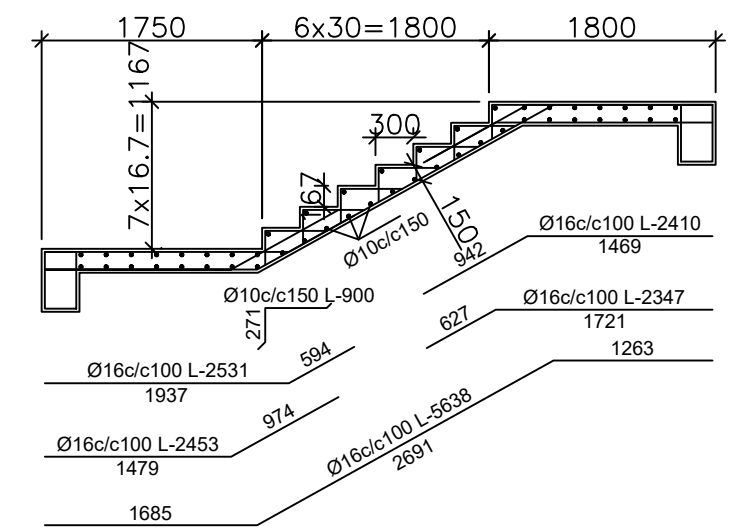


Section Q-Q

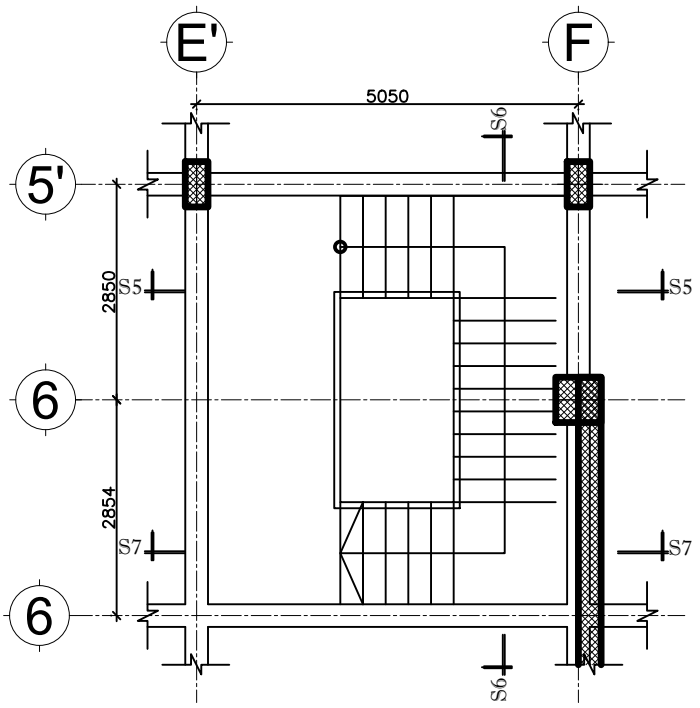
SECTION S1-S1



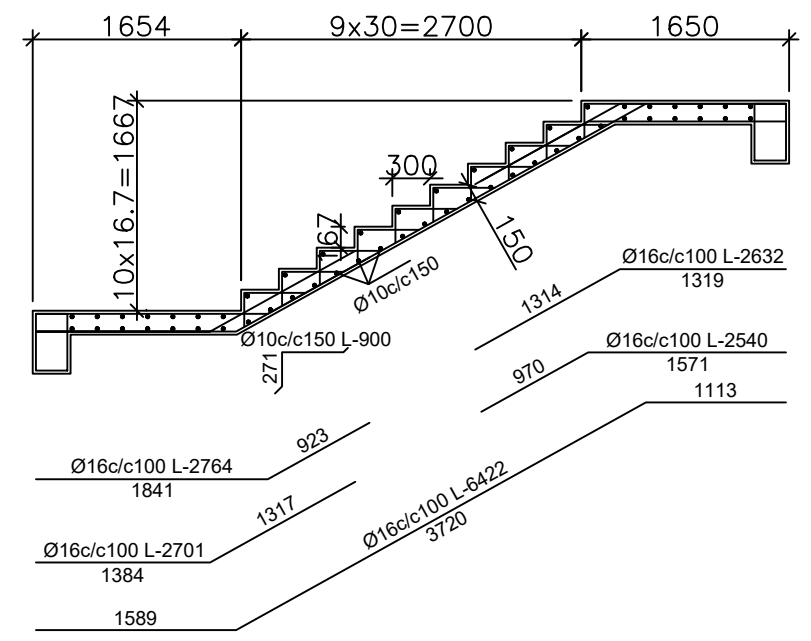
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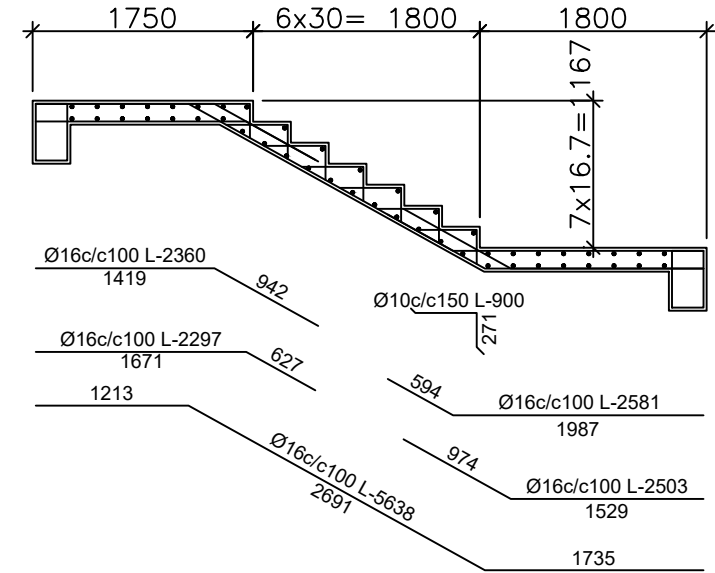
STAIR CASE PLAN 2-2



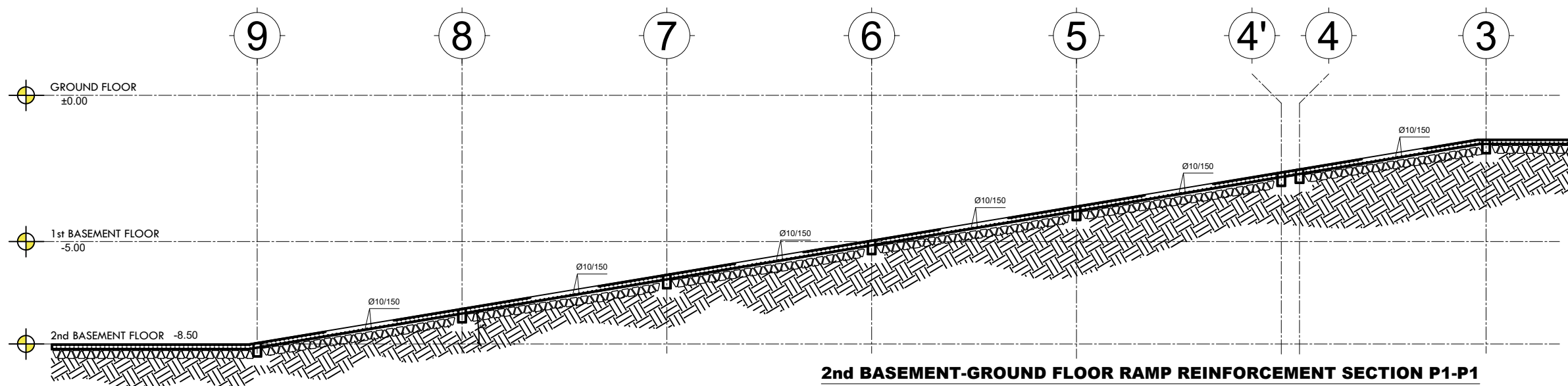
SECTION S3-S3



SECTION S4-S4

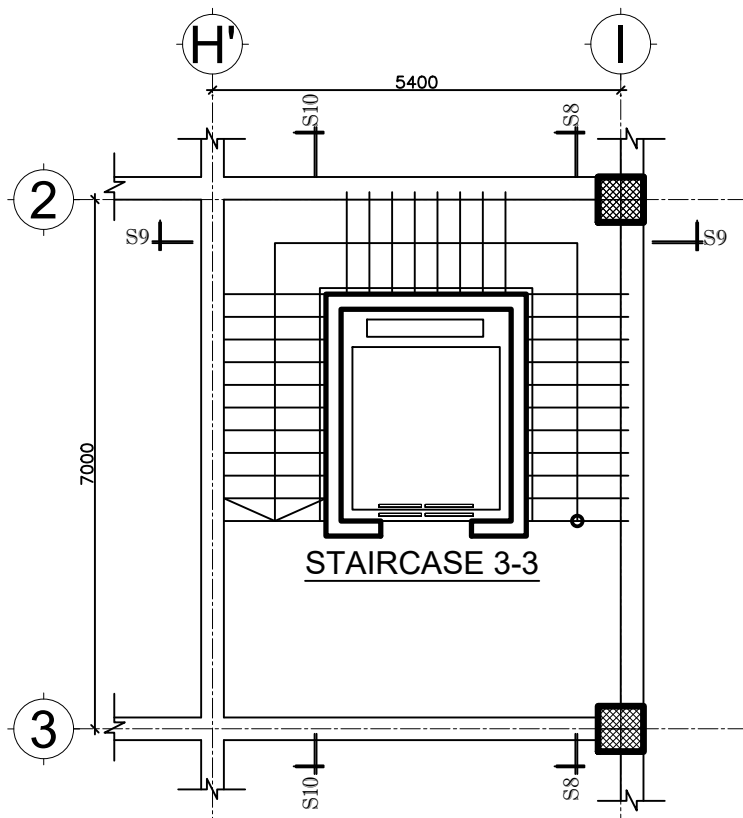


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<p>ጤና ሚኒስቴር - ኢትዮጵያ MINISTRY OF HEALTH ETHIOPIA</p> <p>TEL: 011 5517011, 011 5517002, 011 5518031 FAX: 011 5519366, 011 5512691, 011 552242 P.O.BOX: 1234</p>		
PROJECT STATUS		
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PROJECT TITLE		
EQA PT PANEL PRODUCTION, BIO-BANK AND CENTRAL WAREHOUSE BUILDING		
Title:	STRUCTURAL DRAWING	DRAWING NO
Designed by:	Engineering Service Directorate - MoH	ST
Drawn by:		ST
Scale:	NTS	Date: May 2021
		20/53

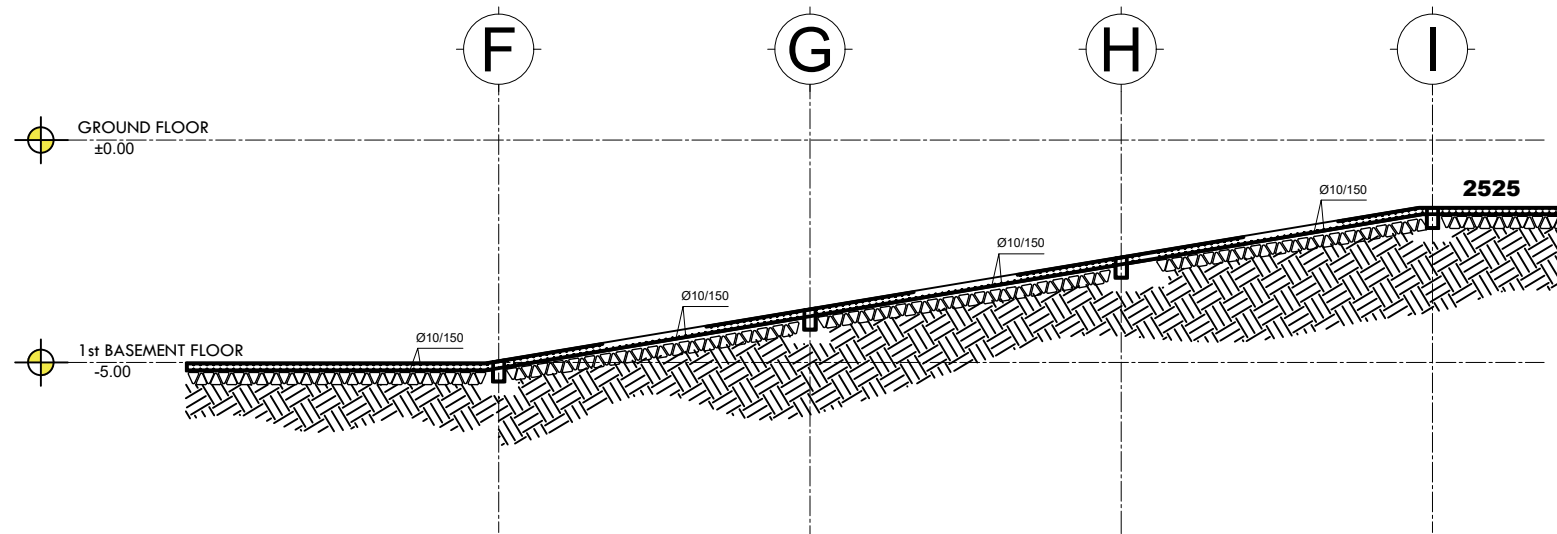


2nd BASEMENT-GROUND FLOOR RAMP REINFORCEMENT SECTION P1-P1

STAIR CASE PLAN 3-3

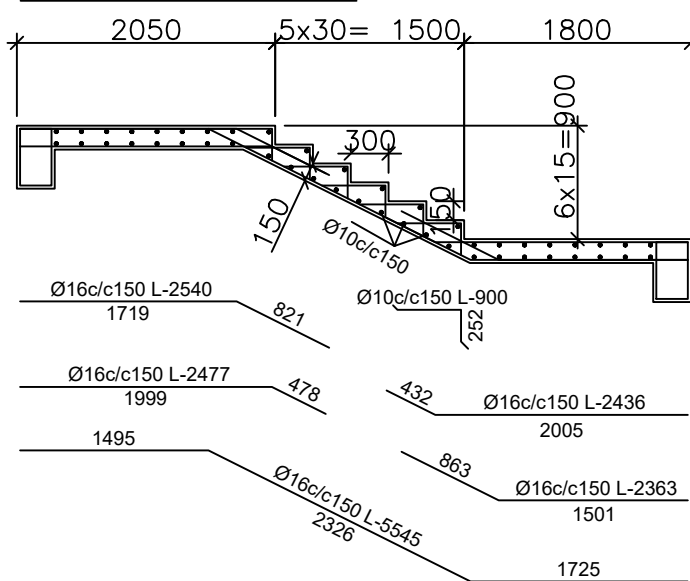
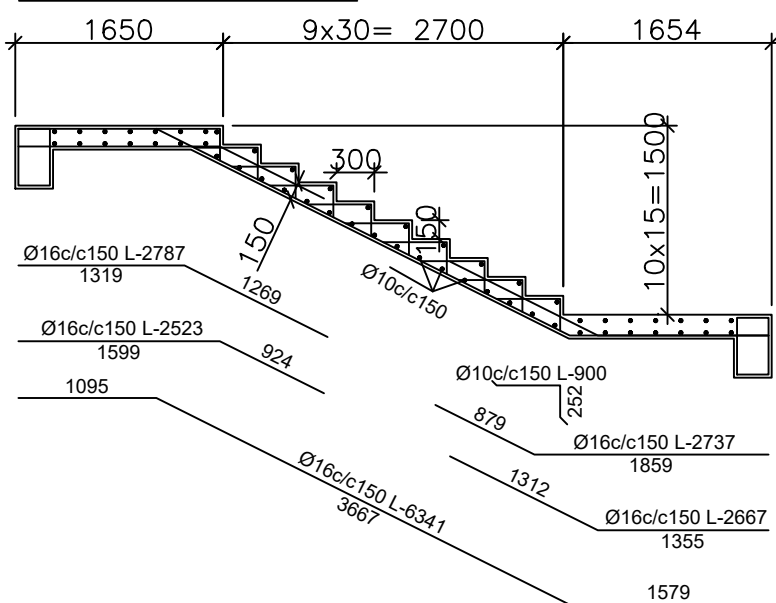


STAIRCASE 3-3

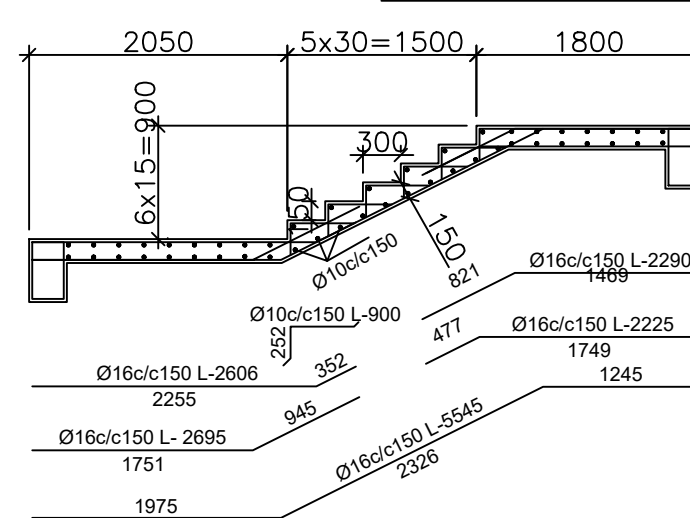


SECTION S7-S7

SECTION S6-S6

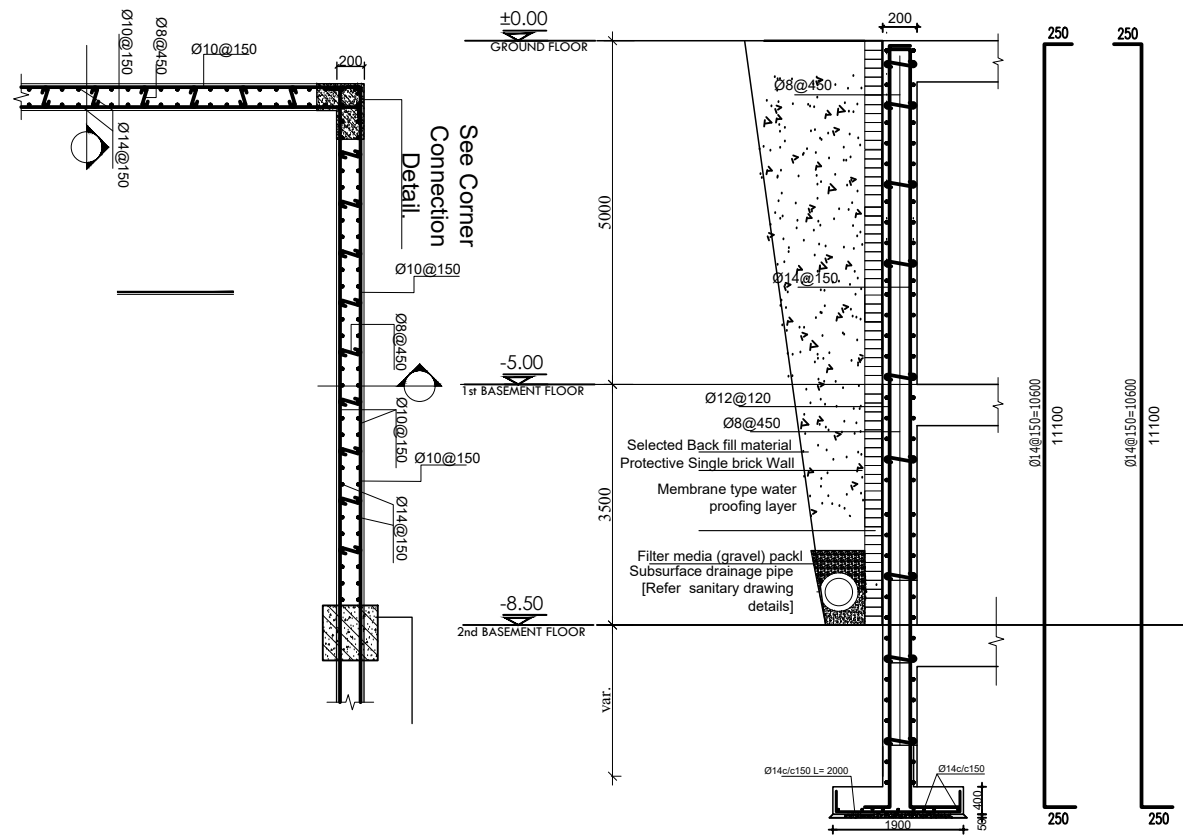
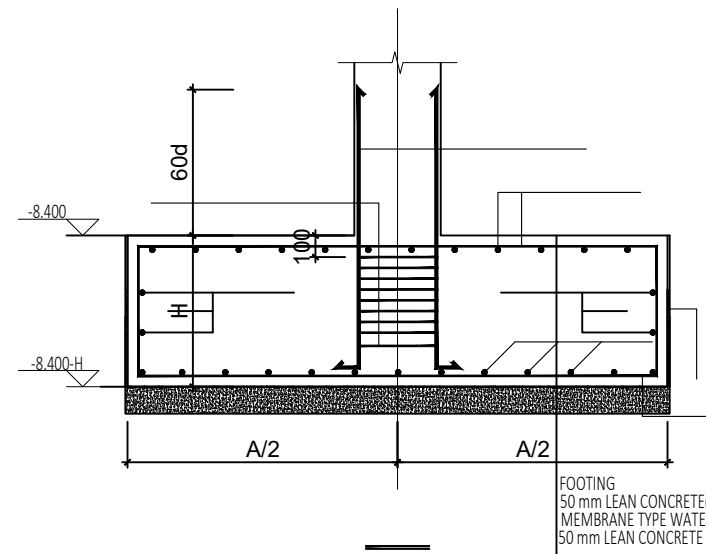
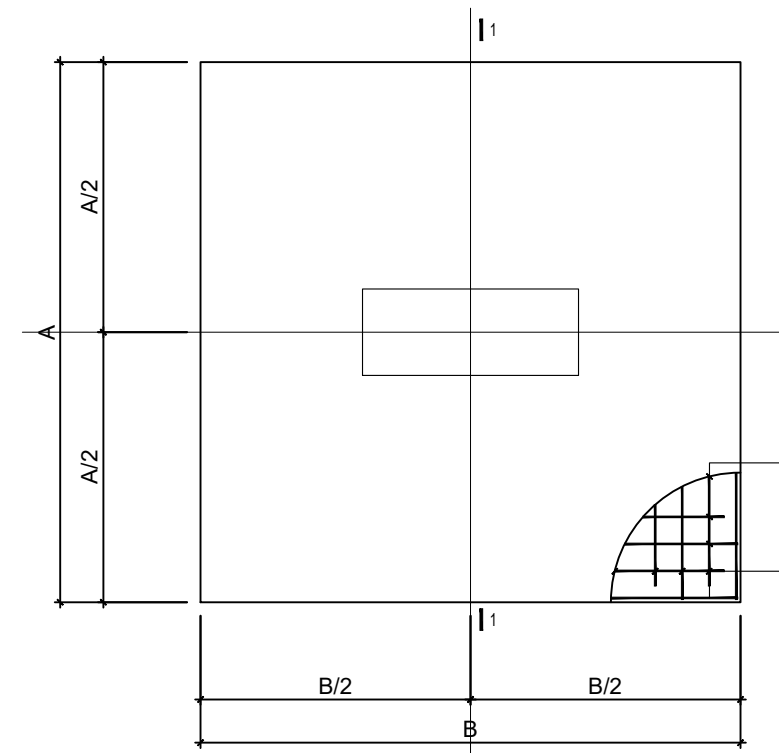
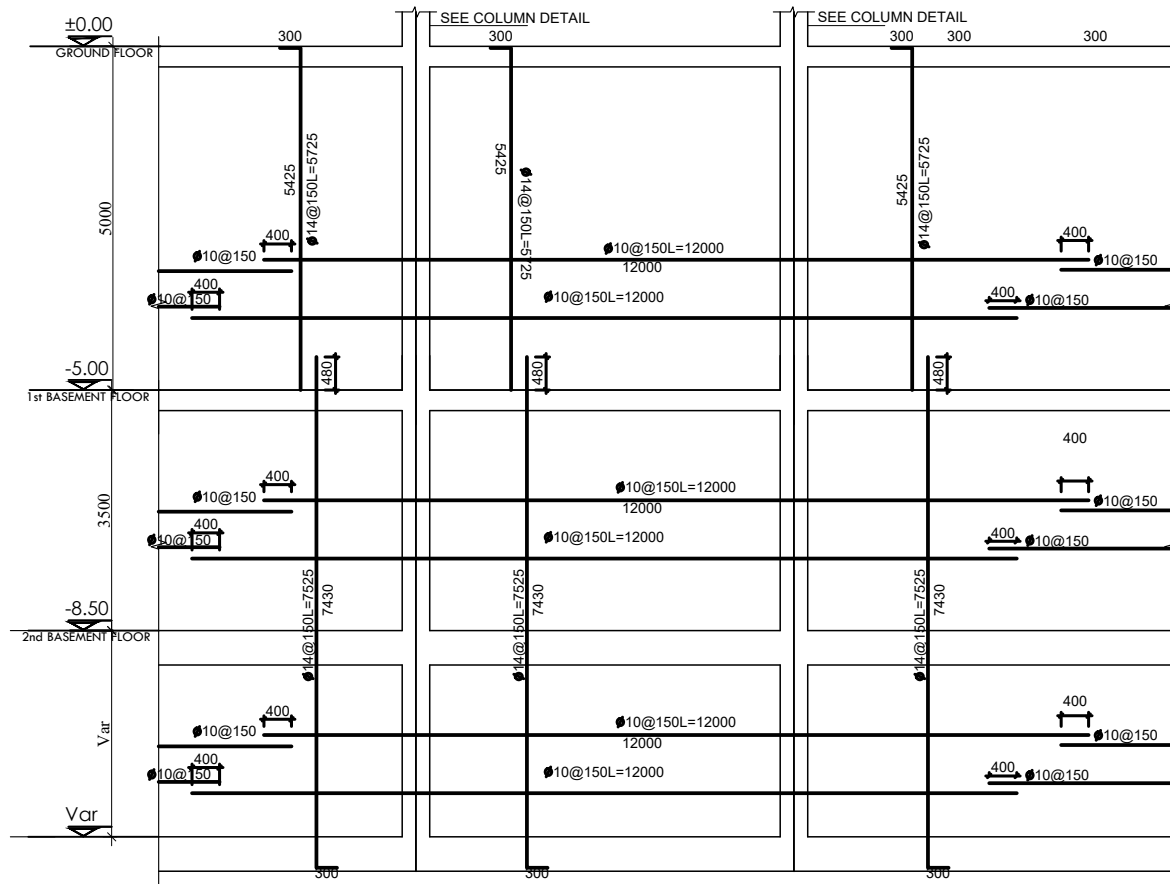



SECTION S5-S5

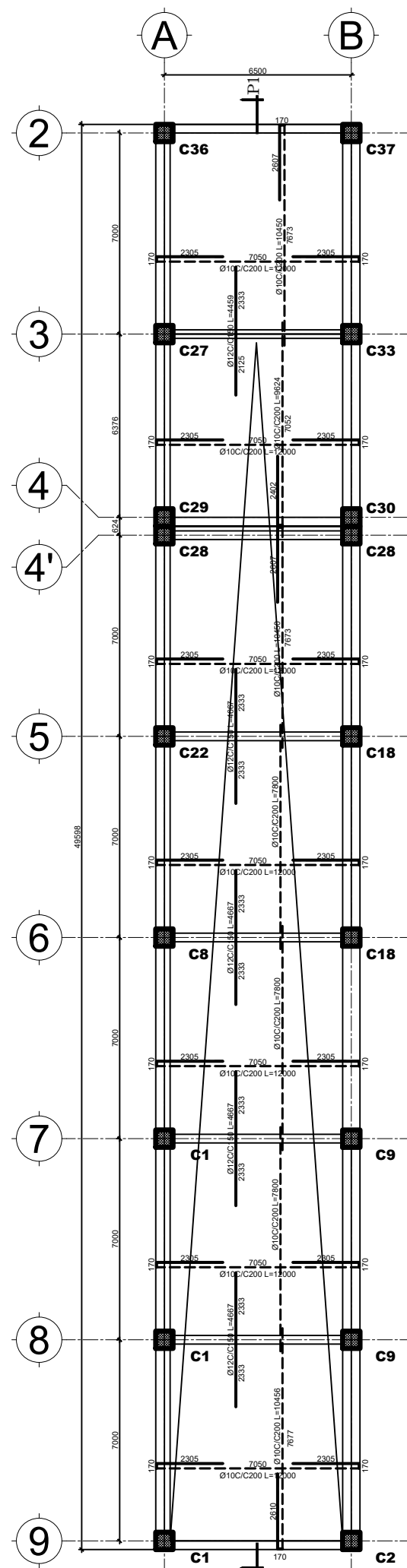


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PROJECT STATUS <input checked="" type="checkbox"/> NEW <input type="checkbox"/> MODIFICATION <input type="checkbox"/> AS-BUILT		
PROJECT TITLE EQA PT PANEL PRODUCTION, BIO-BANK AND CENTRAL WAREHOUSE BUILDING		
Title: STRUCTURAL DRAWING		DRAWING NO. ST
Designed by: Engineering Service Directorate - MoH		ST
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Scale: NTS	Date: May 2021	

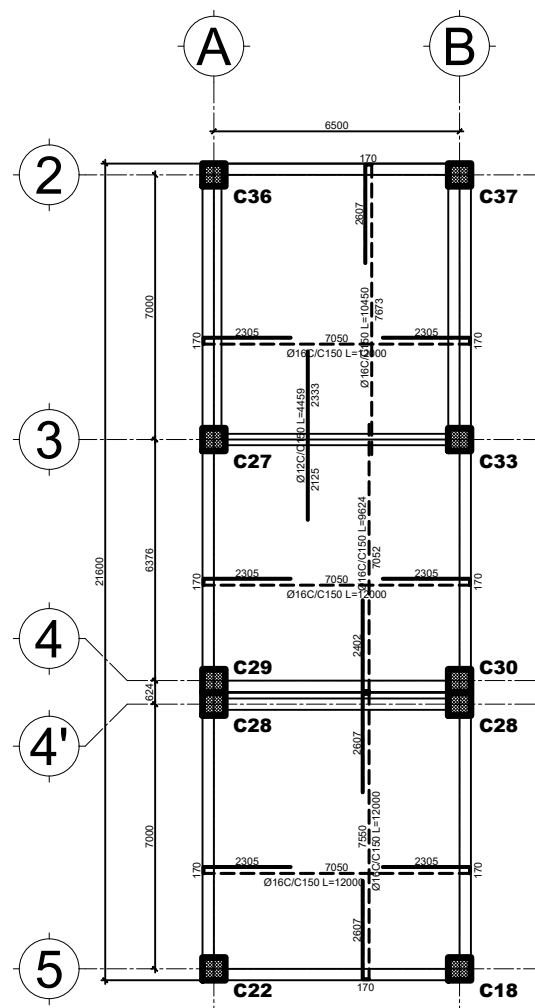
RW-1 (RETAINING WALL)



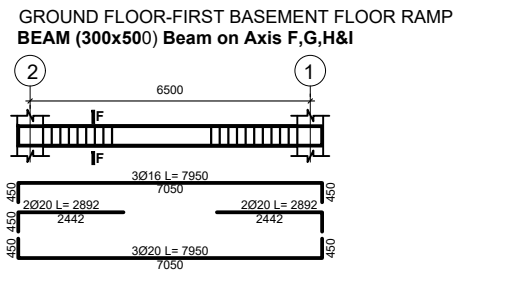
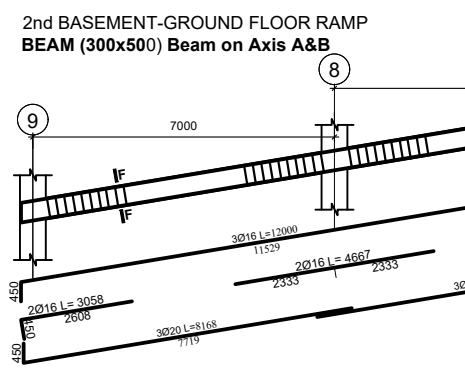
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PROJECT STATUS		
<input checked="" type="checkbox"/> NEW	<input type="checkbox"/> MODIFICATION	<input type="checkbox"/> AS-BUILT
PROJECT TITLE		
EQA PT PANEL PRODUCTION, BIO-BANK AND CENTRAL WAREHOUSE BUILDING		
Title:	STRUCTURAL DRAWING	DRAWING NO:
Designed by:	Engineering Service Directorate - MoH	ST
Drawn by:		ST
Scale:	NTS	Date: May 2021
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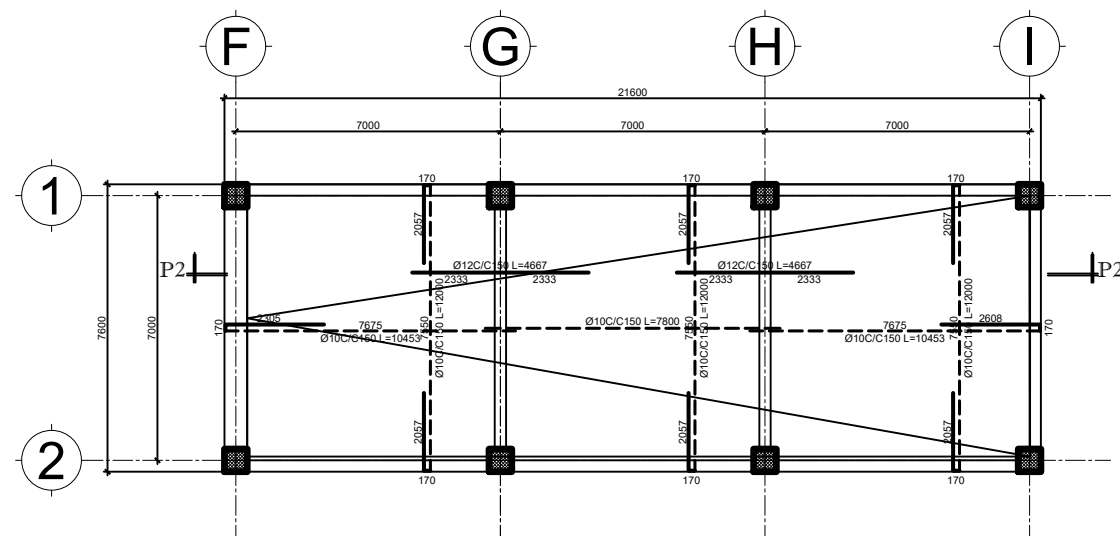
2nd BASEMENT-GROUND FLOOR RAMP REINFORCEMENT PLAN



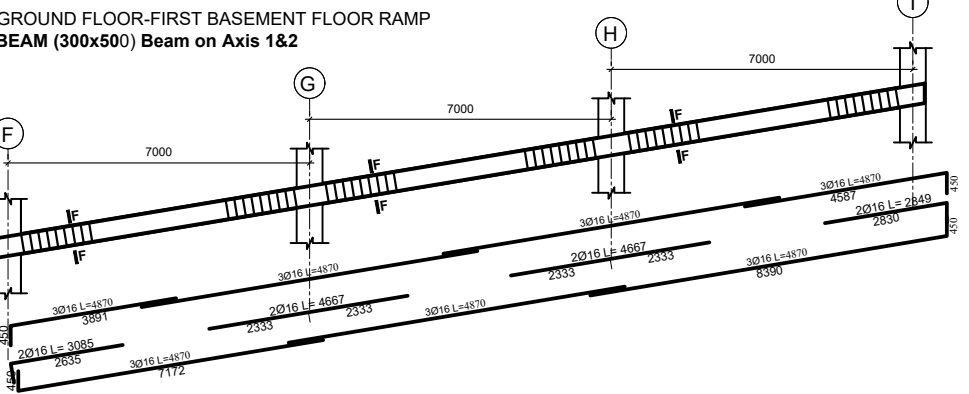
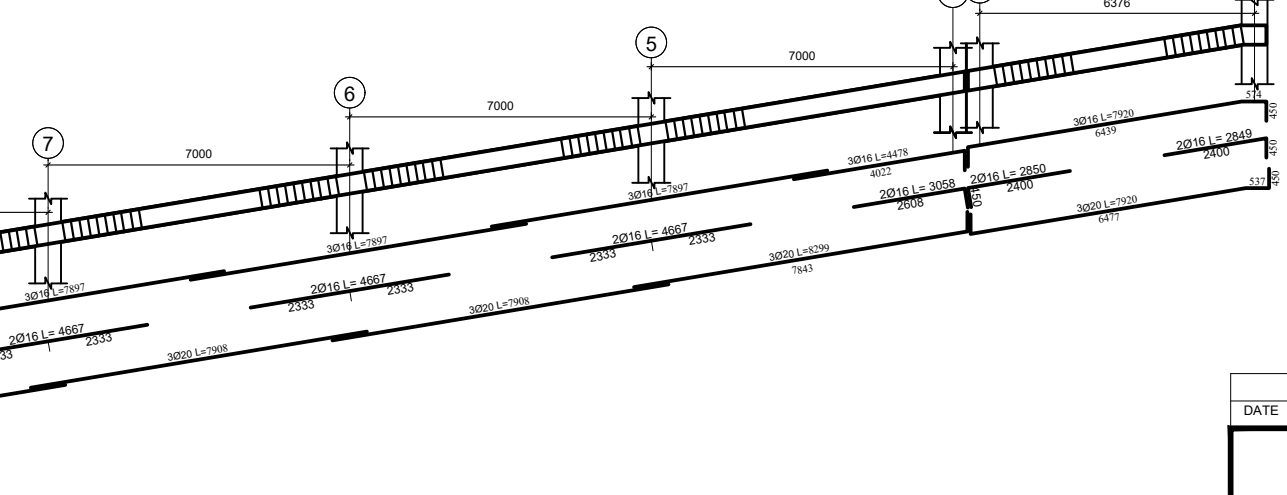
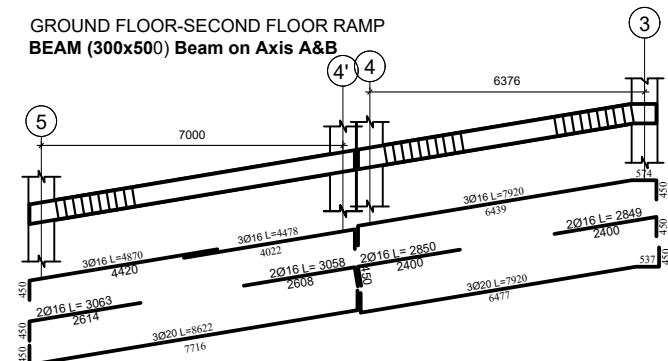
GROUND FLOOR-SECOND FLOOR RAMP REINFORCEMENT PLAN
Slab Thickness = 200mm



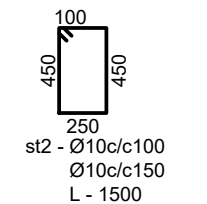
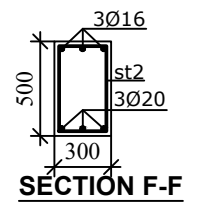
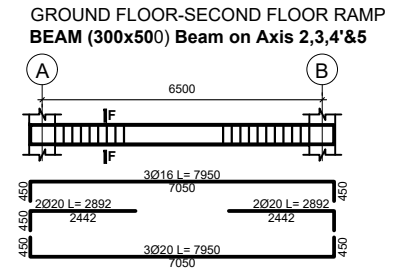
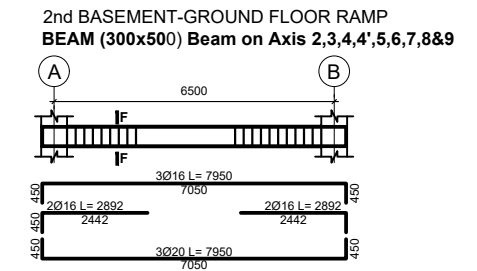
GROUND FLOOR-FIRST BASEMENT FLOOR RAMP BEAM (300x500) Beam on Axis F,G,H&I




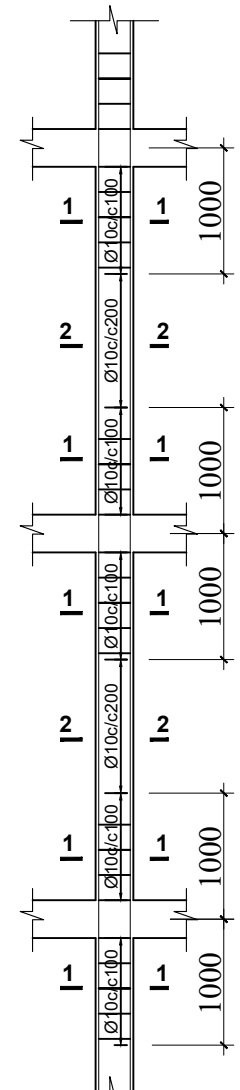
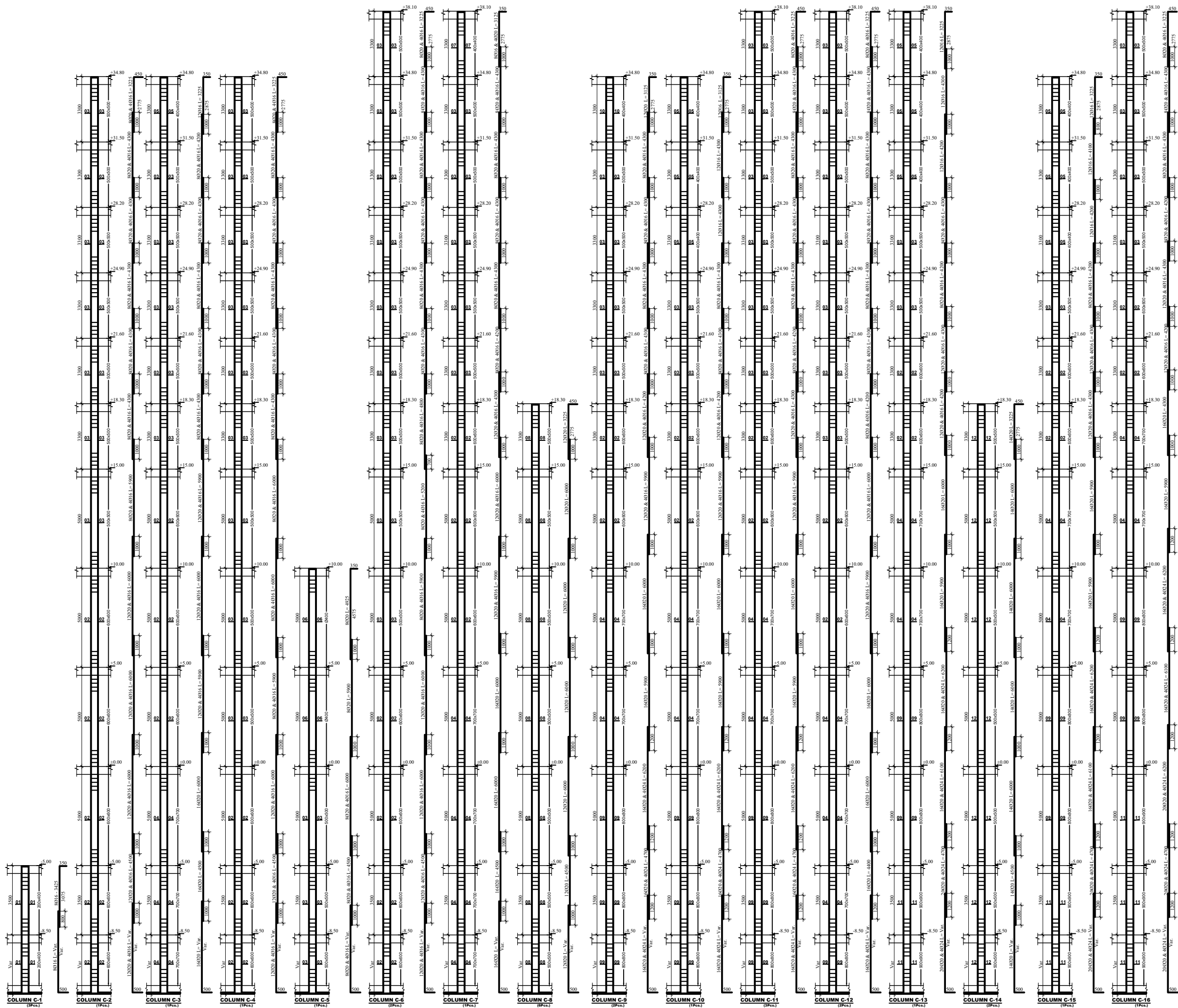
GROUND FLOOR-FIRST BASEMENT FLOOR RAMP REINFORCEMENT PLAN
Slab Thickness = 200mm




GROUND FLOOR-FIRST BASEMENT FLOOR RAMP BEAM (300x500) Beam on Axis 1&2

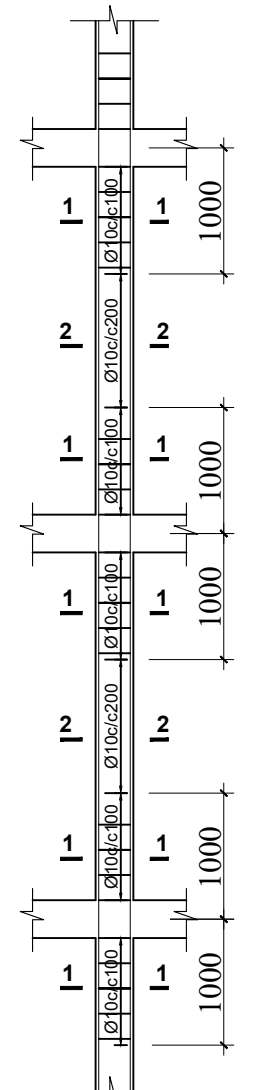
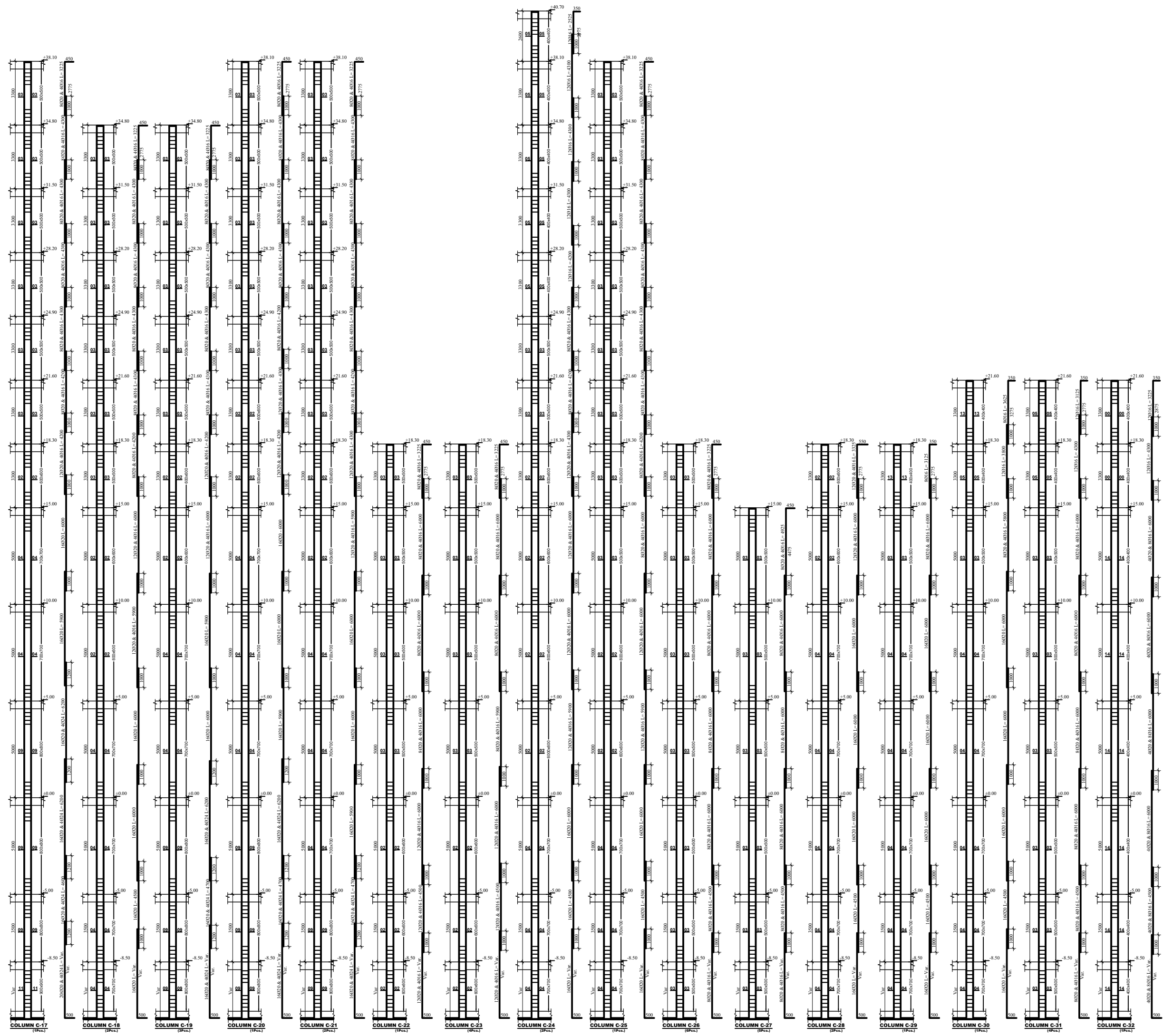


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PROJECT TITLE EQA PT PANEL PRODUCTION, BIO-BANK AND CENTRAL WAREHOUSE BUILDING		
Title: STRUCTURAL DRAWING		DRAWING NO: ST
Designed by: Engineering Service Directorate - MoH		ST
Drawn by:		23/53
Scale: NTS	Date: May 2021	




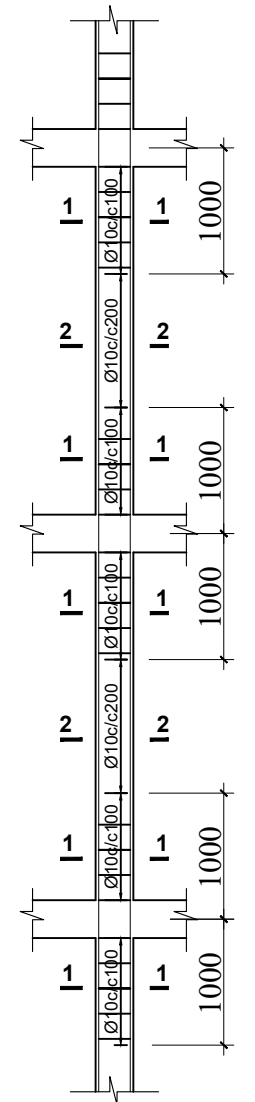
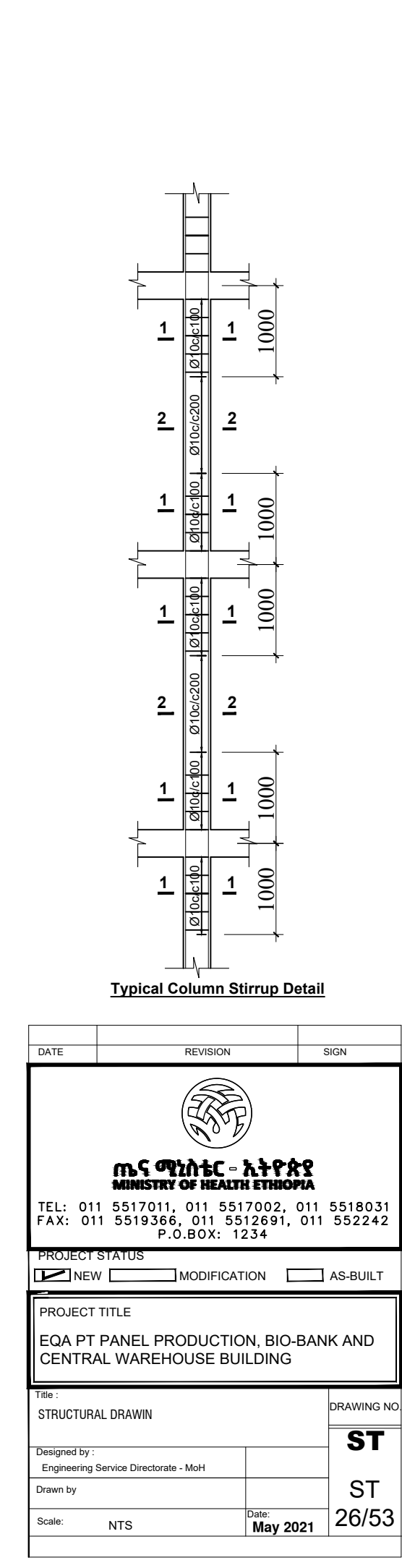
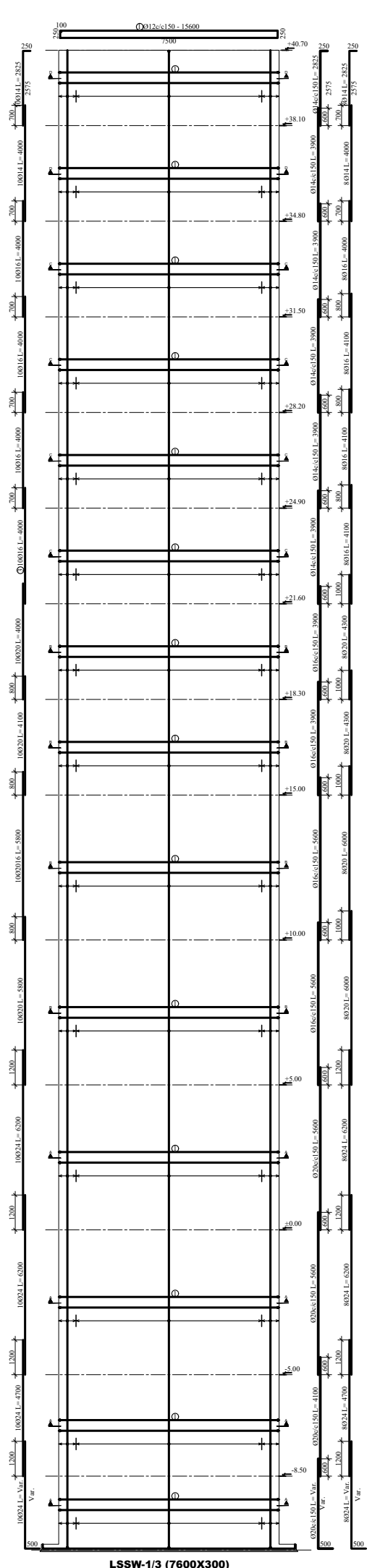
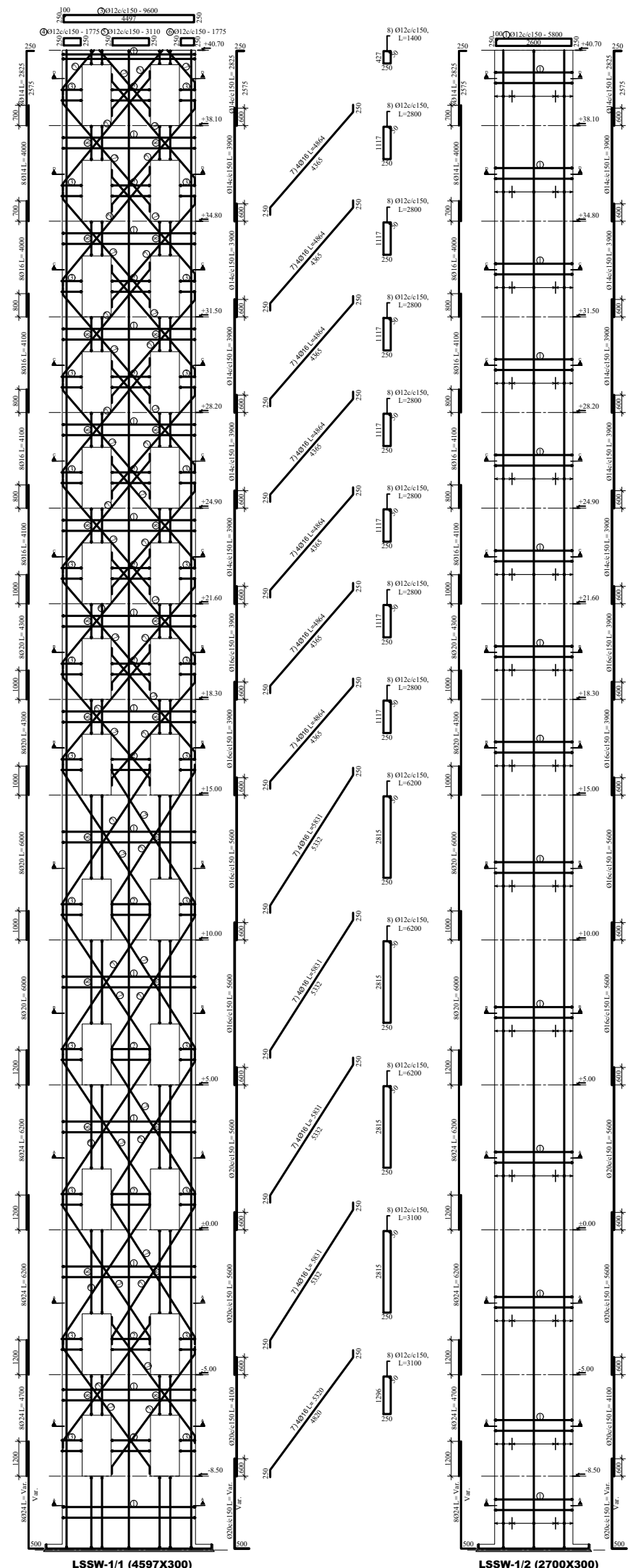
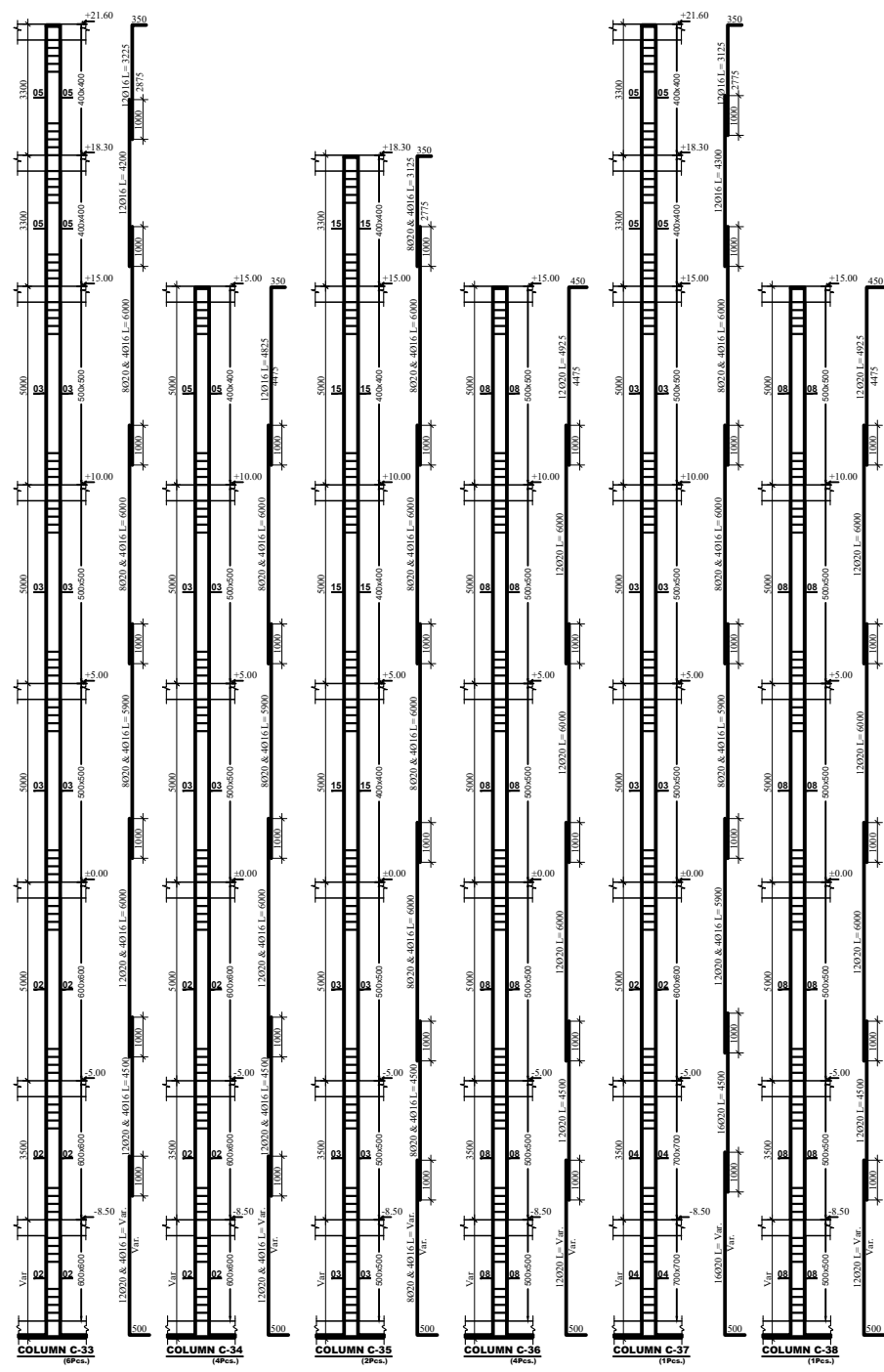
Typical Column Stirrup Detail

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Title: STRUCTURAL DRAWING		DRAWING NO ST
Designed by: Engineering Service Directorate - MoH		ST
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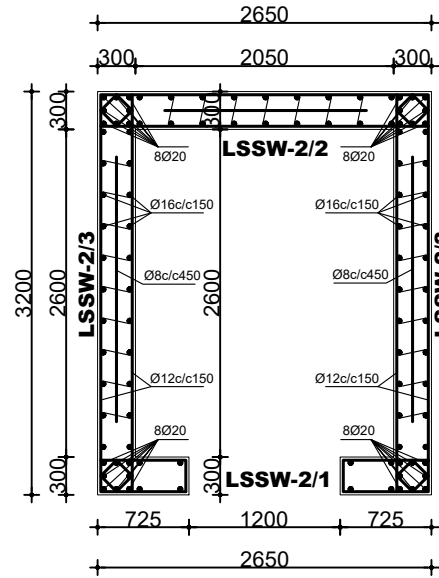
Typical Column Stirrup Detail

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PROJECT TITLE EQA PT PANEL PRODUCTION, BIO-BANK AND CENTRAL WAREHOUSE BUILDING		
Title: STRUCTURAL DRAWING		DRAWING NO ST ST 25/53
Designed by: Engineering Service Directorate - MoH		
Drawn by:		Date: May 2021
Scale: NTS		

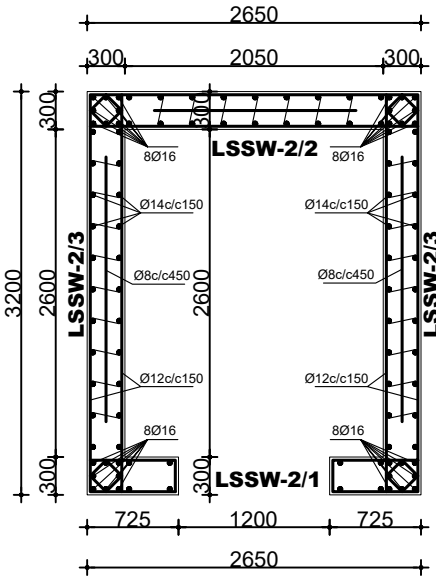


Typical Column Stirrup Detail

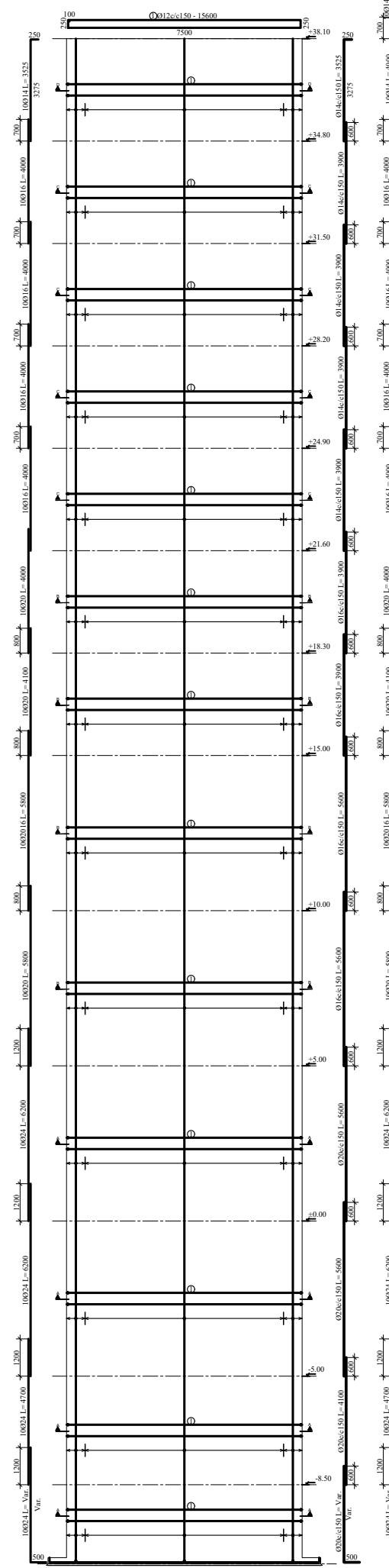
DATE	REVISION	SIGN
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TEL: 011 5517011, 011 5517002, 011 5518031 FAX: 011 5519366, 011 5512691, 011 552242 P.O.BOX: 1234		
PROJECT STATUS <input checked="" type="checkbox"/> NEW <input type="checkbox"/> MODIFICATION <input type="checkbox"/> AS-BUILT		
PROJECT TITLE EQA PT PANEL PRODUCTION, BIO-BANK AND CENTRAL WAREHOUSE BUILDING		
Title: STRUCTURAL DRAWING		DRAWING NO ST
Designed by: Engineering Service Directorate - MoH		ST
Drawn by:		26/53
Scale: NTS	Date: May 2021	



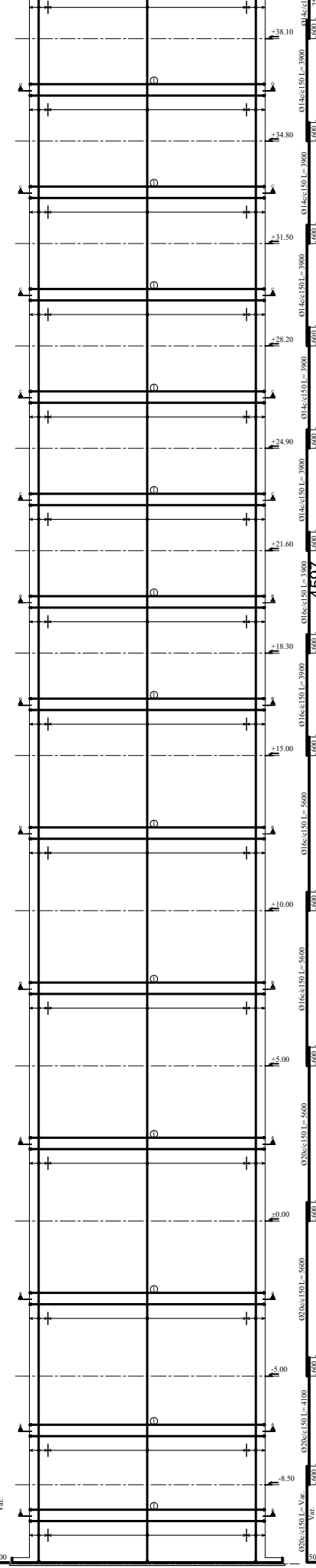
Section A-A



Section B-B

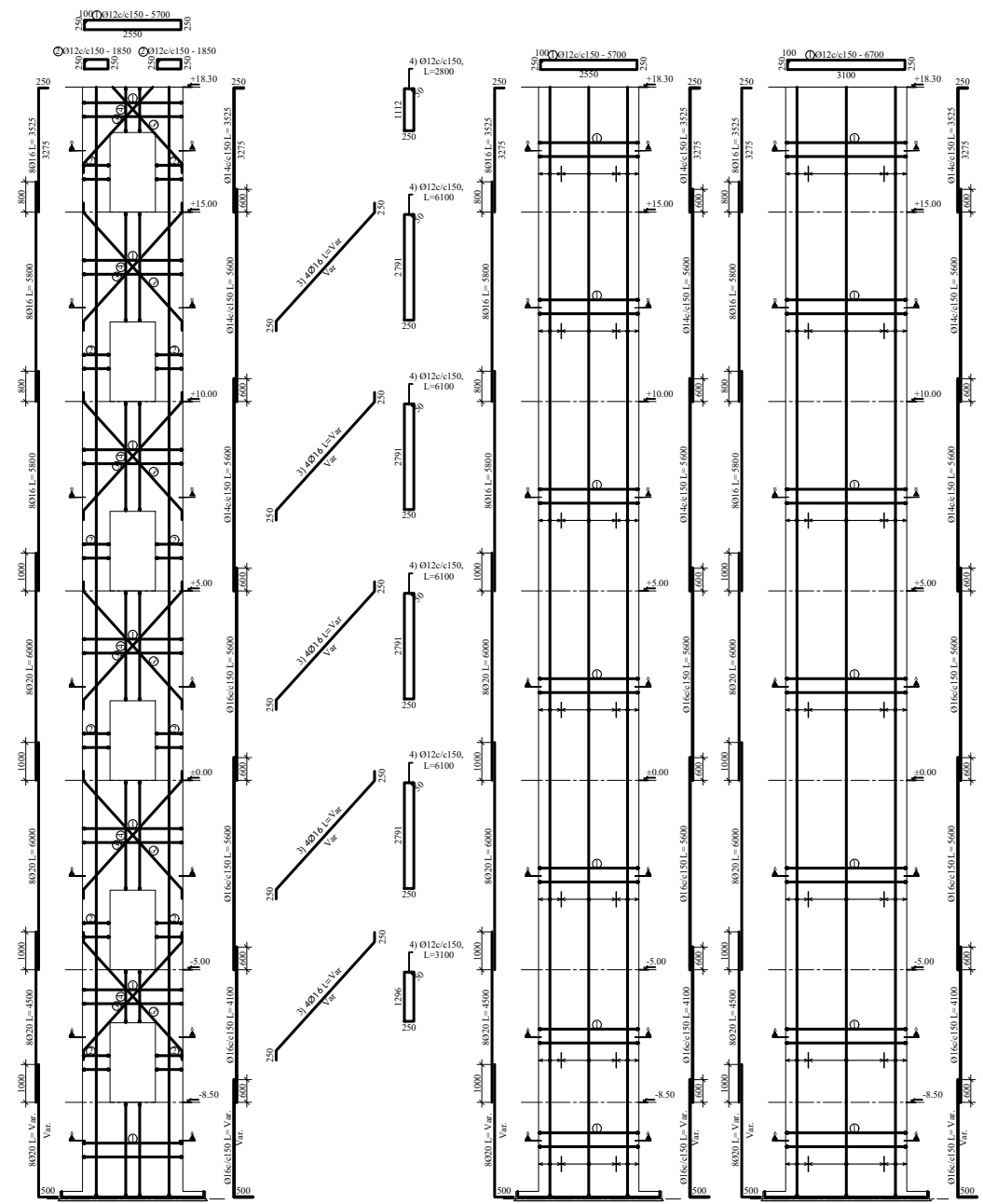


SW1' (7600X300)



SW1/2 (7600X300)

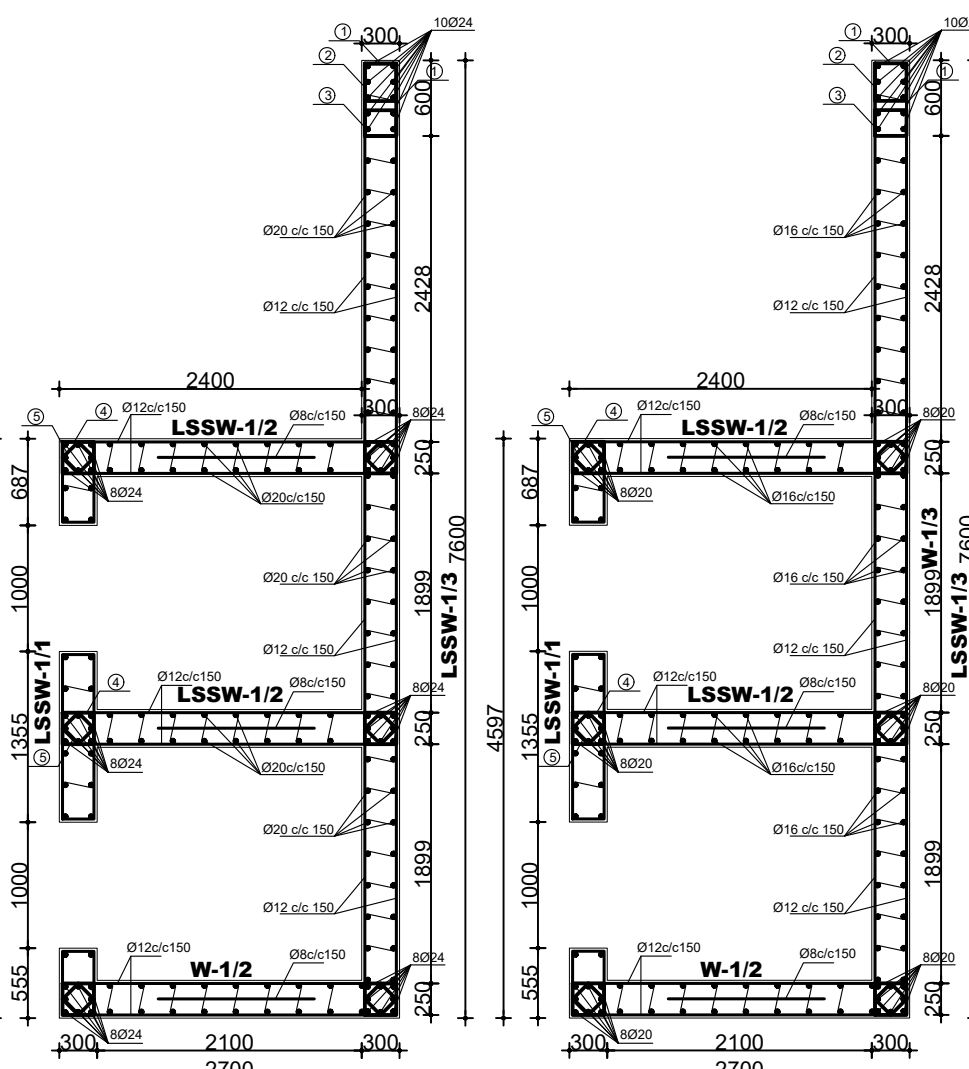
- ① Ø12c/c150
- ② Ø10c/c150
- ③ Ø10c/c150
- ④ Ø10c/c150
- ⑤ Ø10c/c150



LSSW-2/1 (2650X300)

LSSW-2/2 (2650X300)

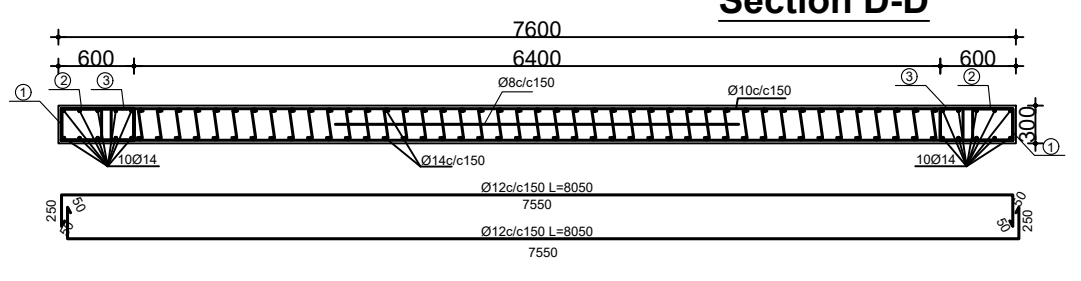
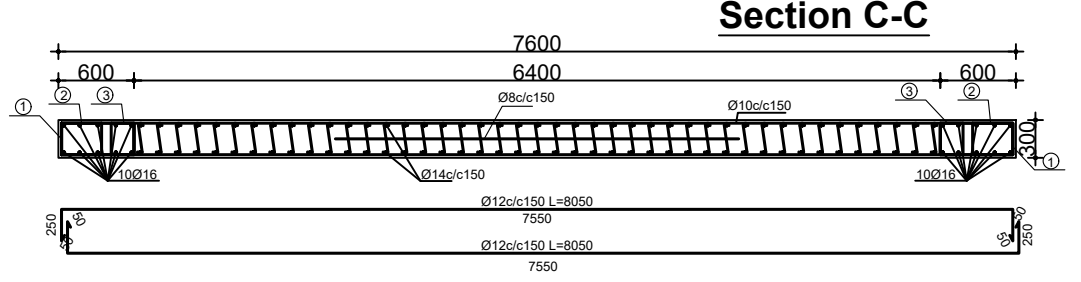
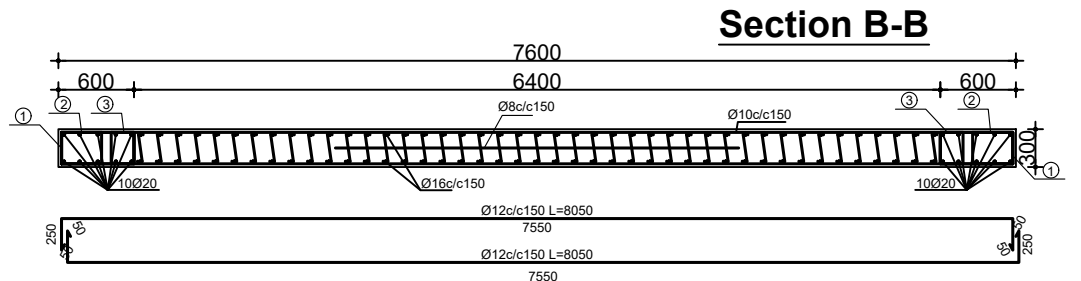
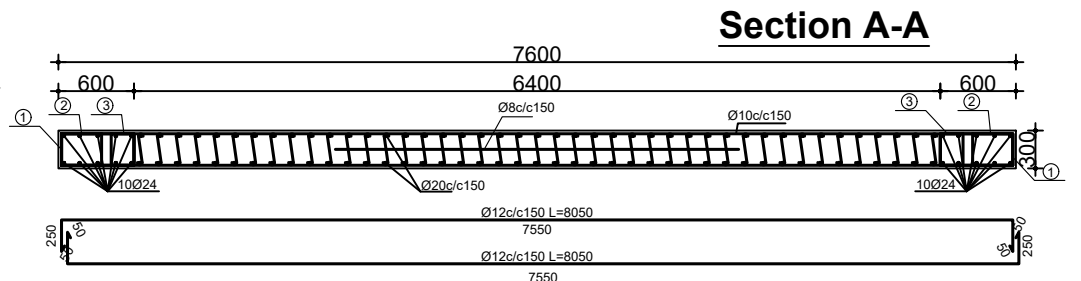
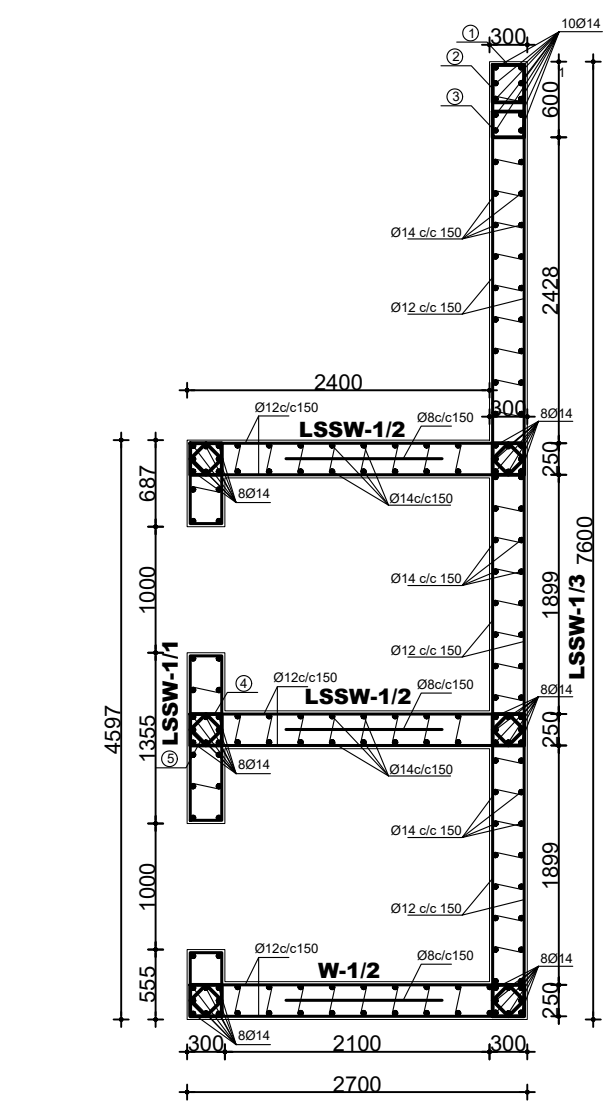
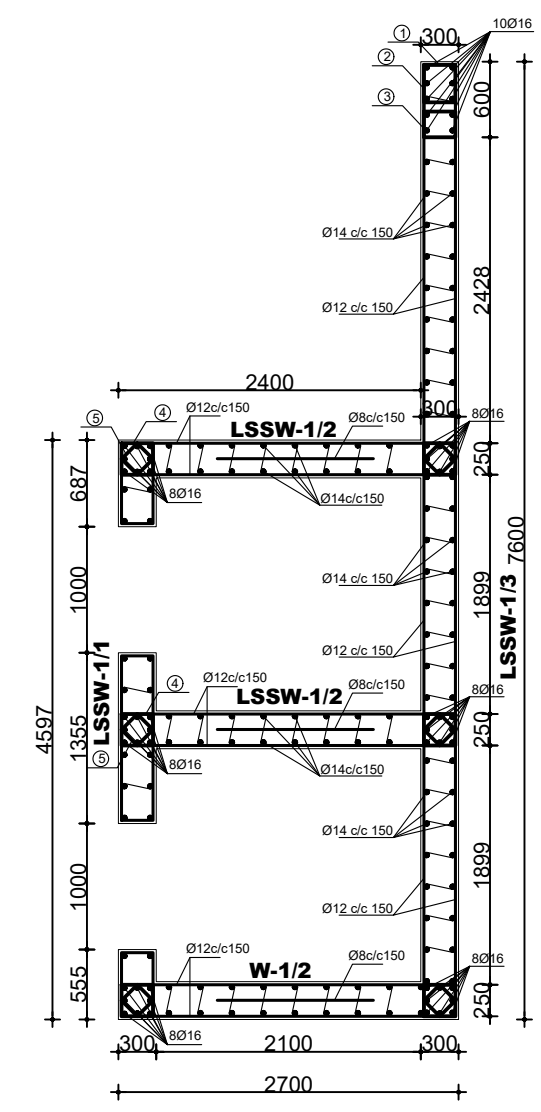
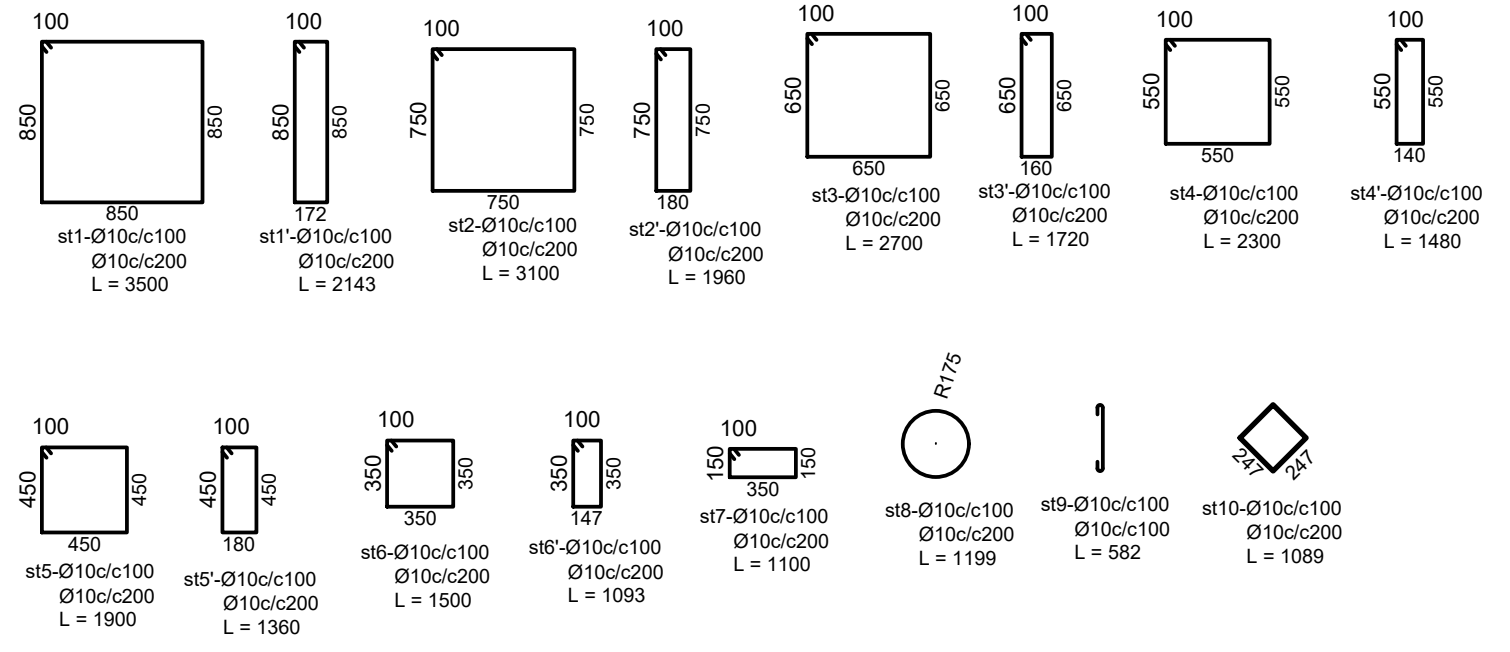
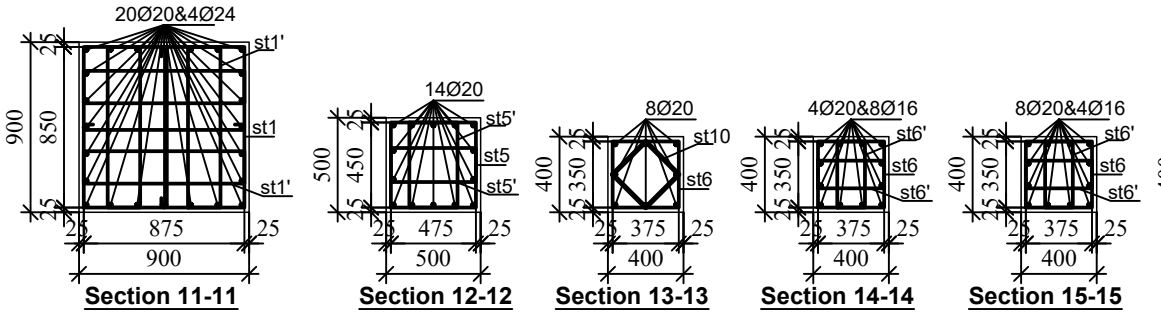
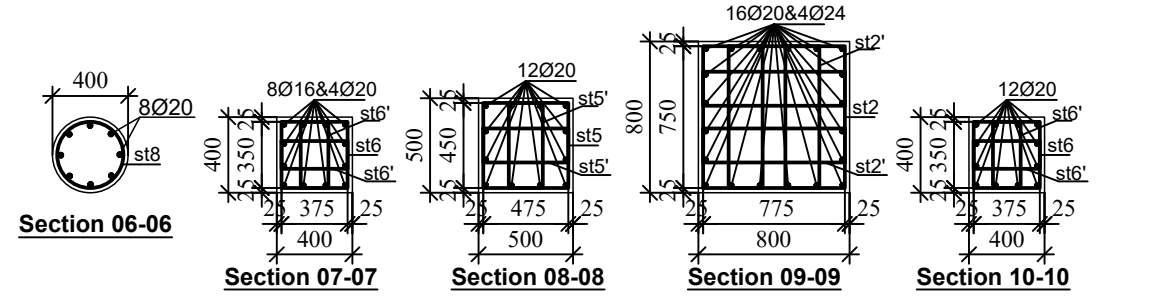
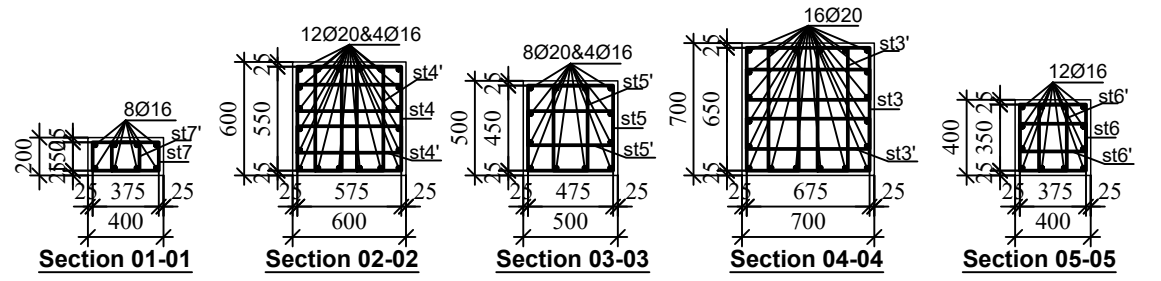
LSSW-2/3 (3200X300)



Section A-A

Section B-B

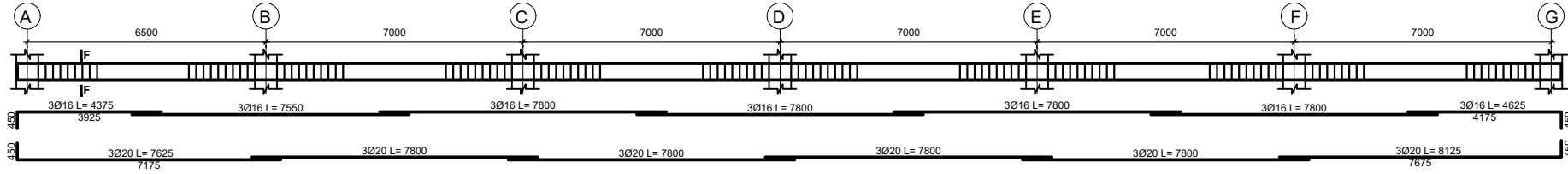
DATE	REVISION	SIGN
<p>ጤና ሚኒስቴር - ኢትዮጵያ MINISTRY OF HEALTH ETHIOPIA</p> <p>TEL: 011 5517011, 011 5517002, 011 5518031 FAX: 011 5519366, 011 5512691, 011 552242 P.O.BOX: 1234</p>		
PROJECT STATUS		
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
NEW	MODIFICATION	AS-BUILT
PROJECT TITLE		
EQA PT PANEL PRODUCTION, BIO-BANK AND CENTRAL WAREHOUSE BUILDING		
Title:		DRAWING NO
STRUCTURAL DRAWING		ST
Designed by:		ST
Engineering Service Directorate - MoH		27/53
Drawn by:		Date:
Scale: NTS		May 2021



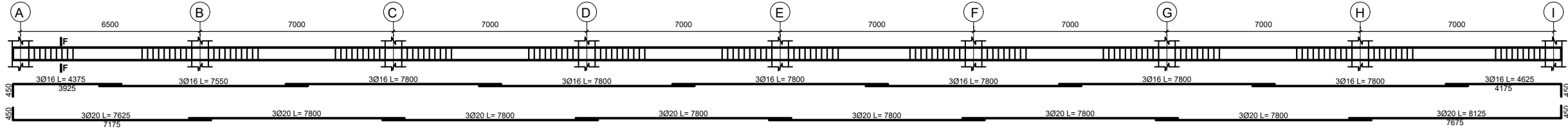
- ① Ø12c/c150
- ② Ø10c/c150
- ③ Ø10c/c150
- ④ Ø10c/c150
- ⑤ Ø10c/c150

DATE	REVISION	SIGN
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PROJECT STATUS		
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
NEW	MODIFICATION	AS-BUILT
PROJECT TITLE		
EQA PT PANEL PRODUCTION, BIO-BANK AND CENTRAL WAREHOUSE BUILDING		
Title:	DRAWING NO:	
STRUCTURAL DRAWING	ST	
Designed by:	Engineering Service Directorate - MoH	
Drawn by:		
Scale: NTS	Date: May 2021	ST 28/53

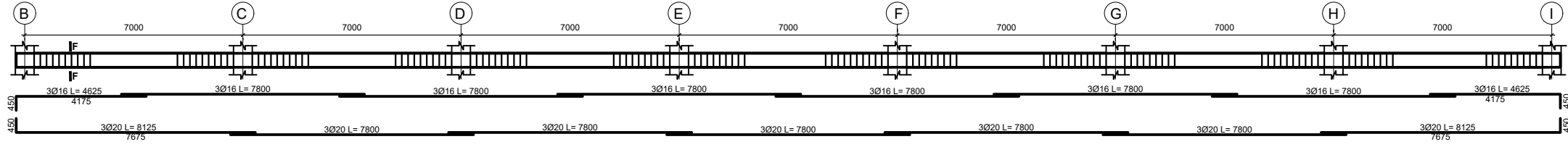
SECOND BASEMENT FLOOR BEAM (300x500)
Beam on Axis 1



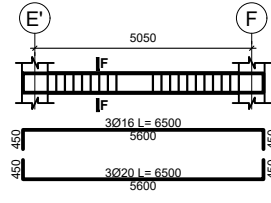
SECOND BASEMENT FLOOR BEAM (300x500)
Beam on Axis 2



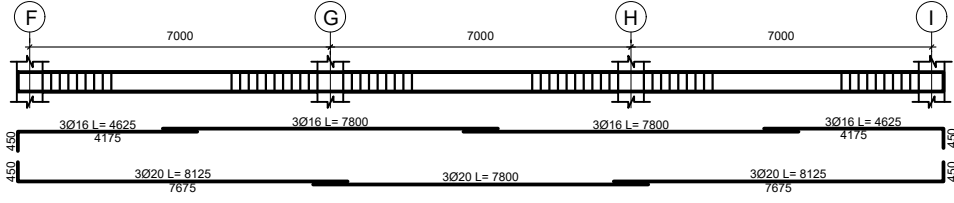
SECOND BASEMENT FLOOR BEAM (300x500)
Beam on Axis 3,4,5,7,8&9



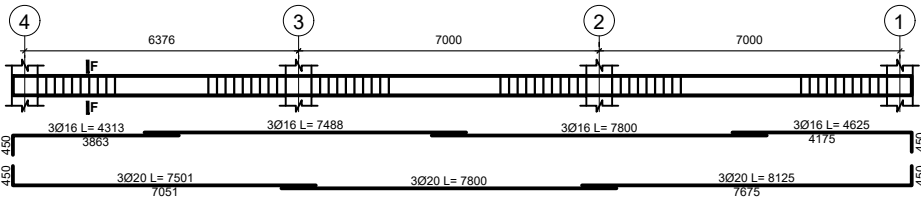
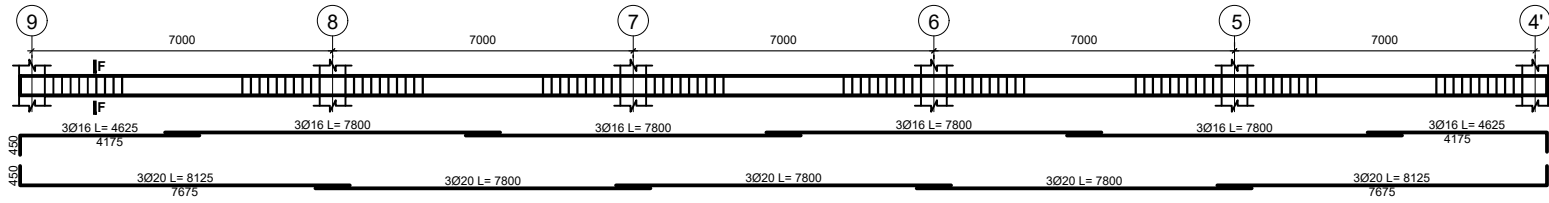
SECOND BASEMENT FLOOR BEAM (300x500)
Beam on Axis 5'



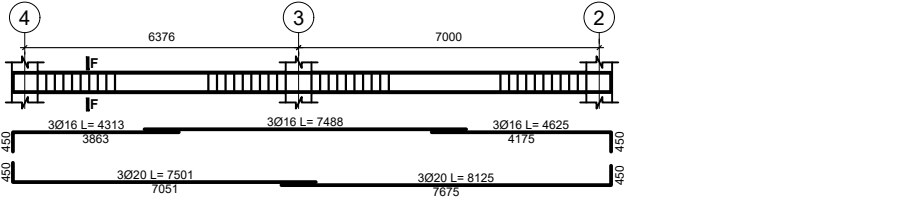
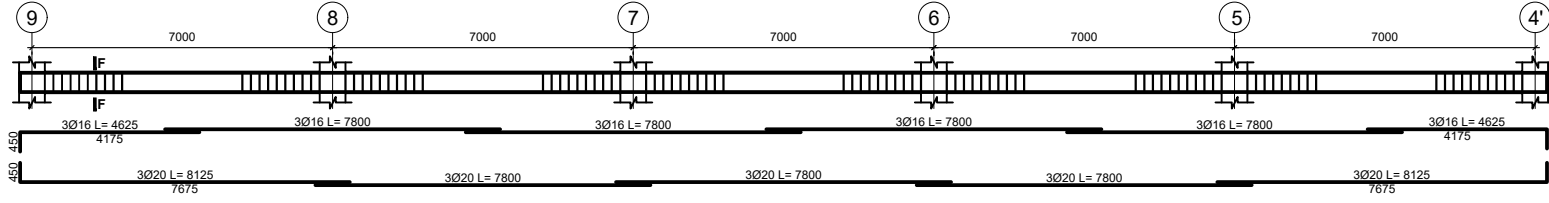
SECOND BASEMENT FLOOR BEAM (300x500)
Beam on Axis 6




SECOND BASEMENT FLOOR BEAM (300x500)
Beam on Axis A,B,C,D,E,F&G



SECOND BASEMENT FLOOR BEAM (300x500)
Beam on Axis H&I



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MINISTRY OF HEALTH ETHIOPIA

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 FAX: 011 5519366, 011 5512691, 011 552242
 P.O.BOX: 1234

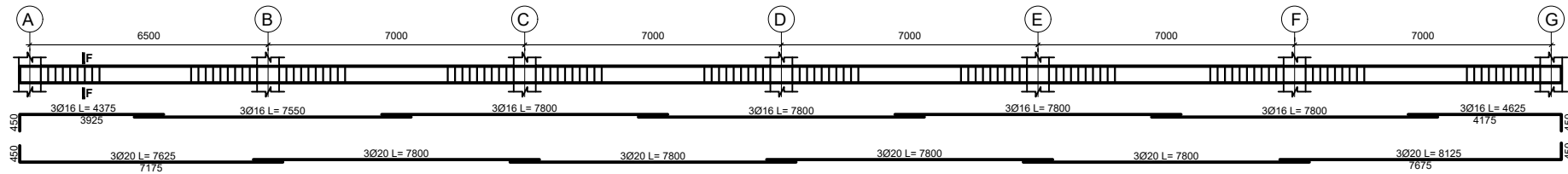
PROJECT STATUS
 NEW MODIFICATION AS-BUILT

PROJECT TITLE
EQA PT PANEL PRODUCTION, BIO-BANK AND CENTRAL WAREHOUSE BUILDING

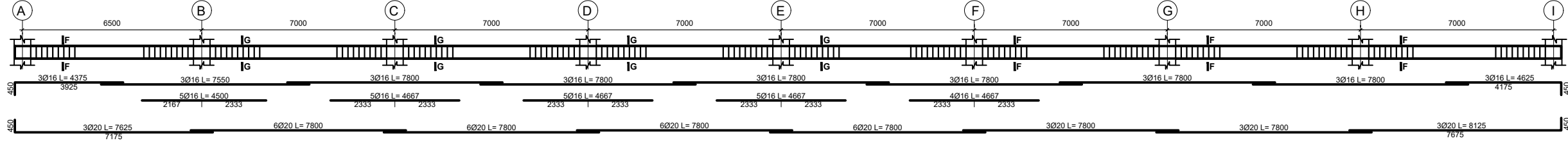
Title: STRUCTURAL DRAWING	DRAWING NO. ST
Designed by: Engineering Service Directorate - MoH	
Drawn by:	
Scale: NTS	Date: May 2021

ST
29/53

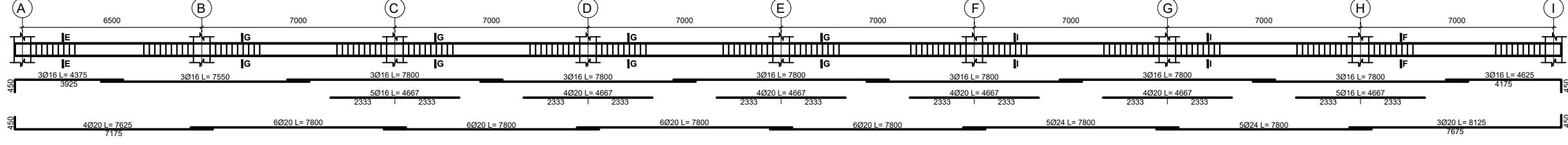
FIRST BASEMENT FLOOR BEAM (300x500)
Beam on Axis 1



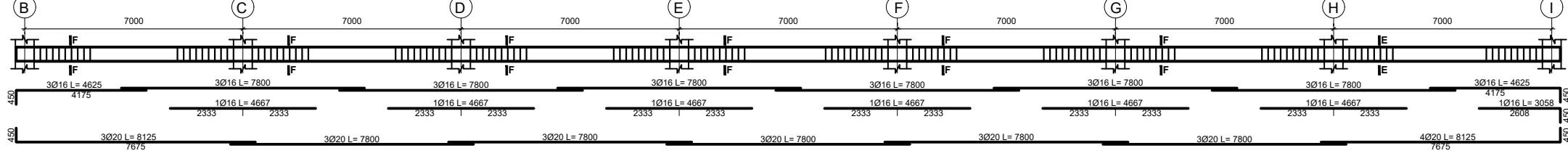
FIRST BASEMENT FLOOR BEAM (300x500)
Beam on Axis 2



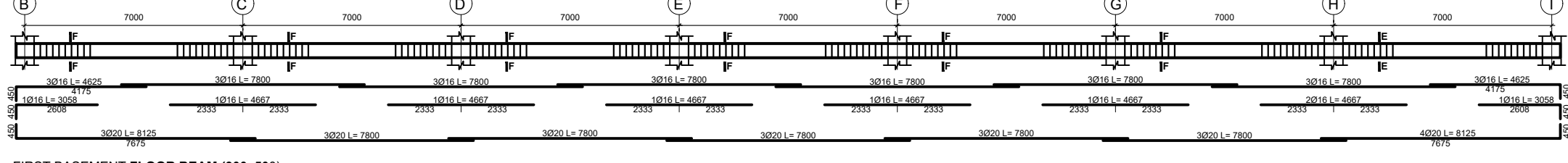
FIRST BASEMENT FLOOR BEAM (300x500)
Beam on Axis 3



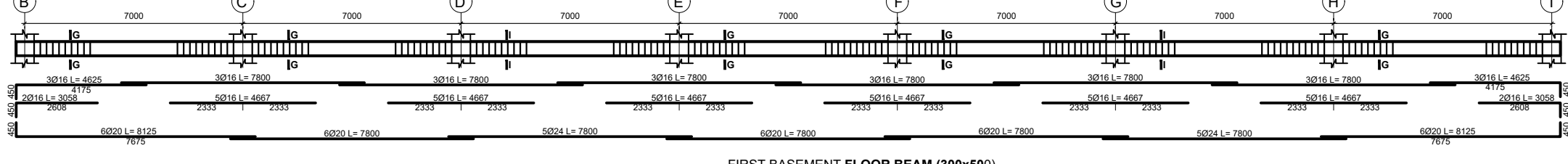
FIRST BASEMENT FLOOR BEAM (300x500)
Beam on Axis 4



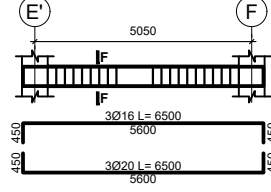
FIRST BASEMENT FLOOR BEAM (300x500)
Beam on Axis 4'




FIRST BASEMENT FLOOR BEAM (300x500)
Beam on Axis 5

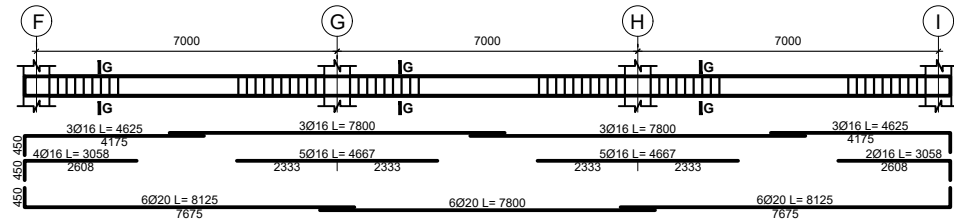
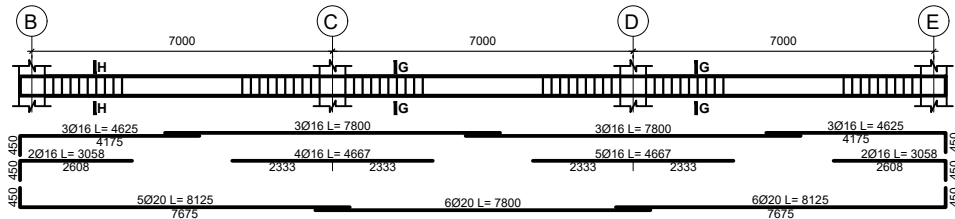


FIRST BASEMENT FLOOR BEAM (300x500)
Beam on Axis 5'

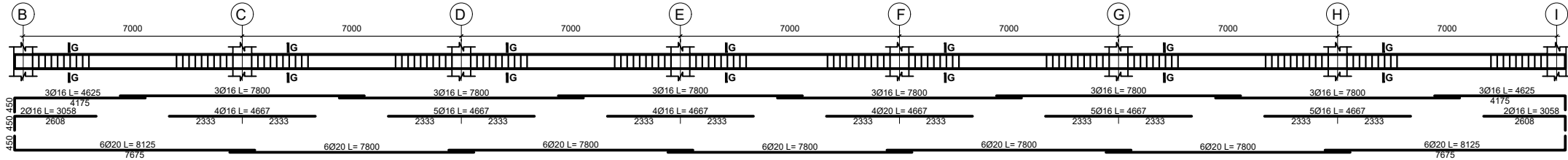


DATE	REVISION	SIGN
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PROJECT STATUS <input checked="" type="checkbox"/> NEW <input type="checkbox"/> MODIFICATION <input type="checkbox"/> AS-BUILT		
PROJECT TITLE EQA PT PANEL PRODUCTION, BIO-BANK AND CENTRAL WAREHOUSE BUILDING		
Title: STRUCTURAL DRAWING		DRAWING NO ST
Designed by: Engineering Service Directorate - MoH		ST
Drawn by:		30/53
Scale: NTS	Date: May 2021	

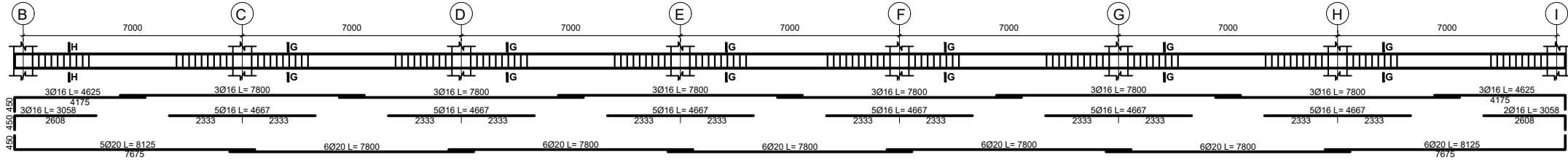
FIRST BASEMENT FLOOR BEAM (300x500)
Beam on Axis 6



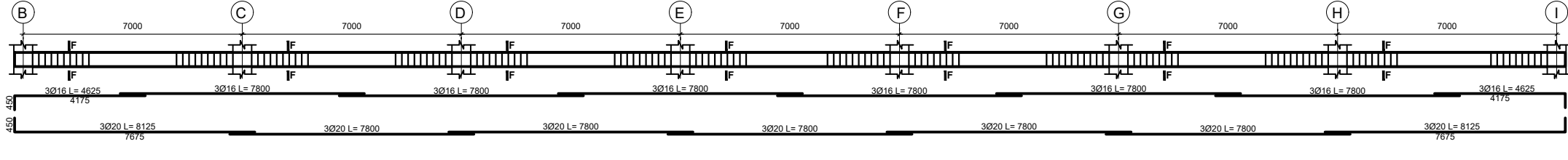
FIRST BASEMENT FLOOR BEAM (300x500)
Beam on Axis 7



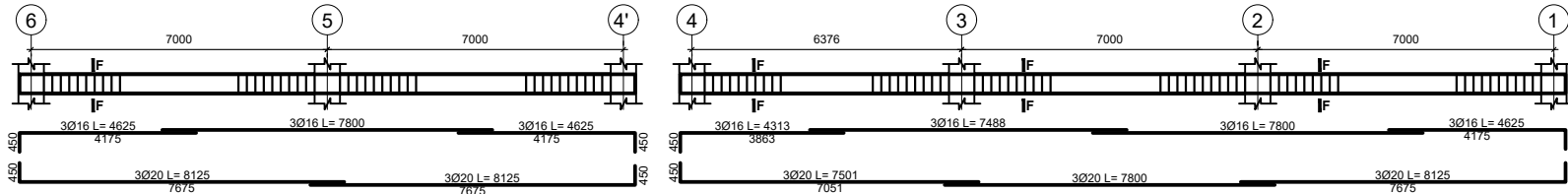
FIRST BASEMENT FLOOR BEAM (300x500)
Beam on Axis 8



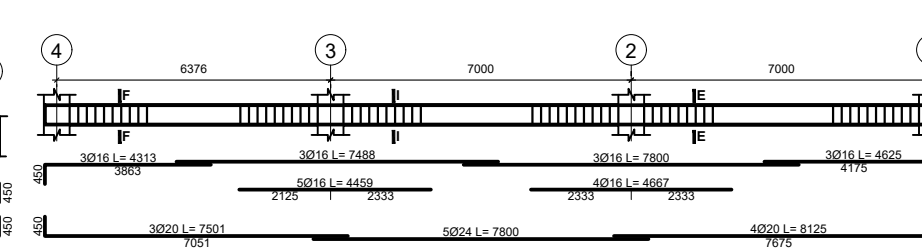
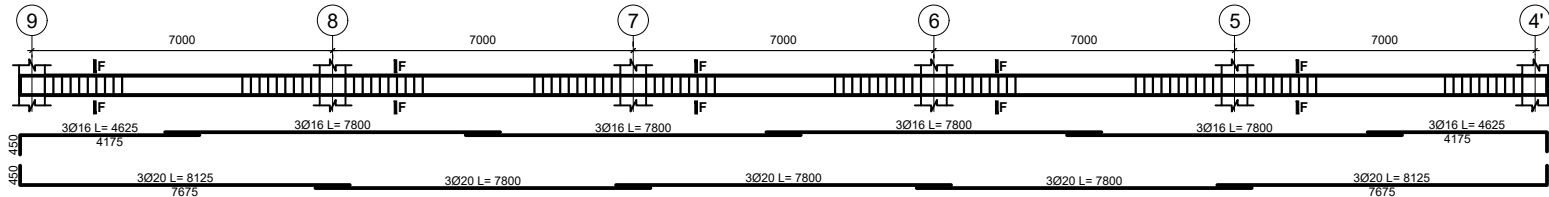
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Beam on Axis 9



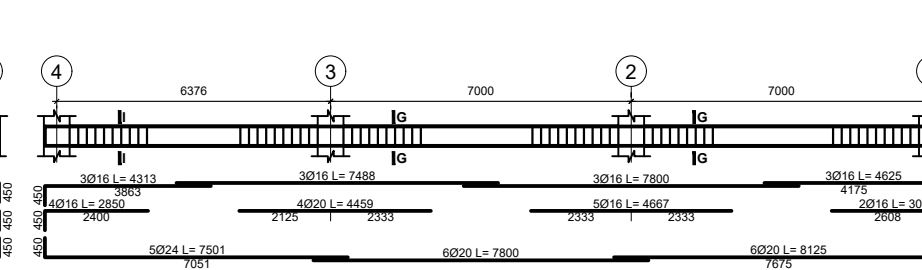
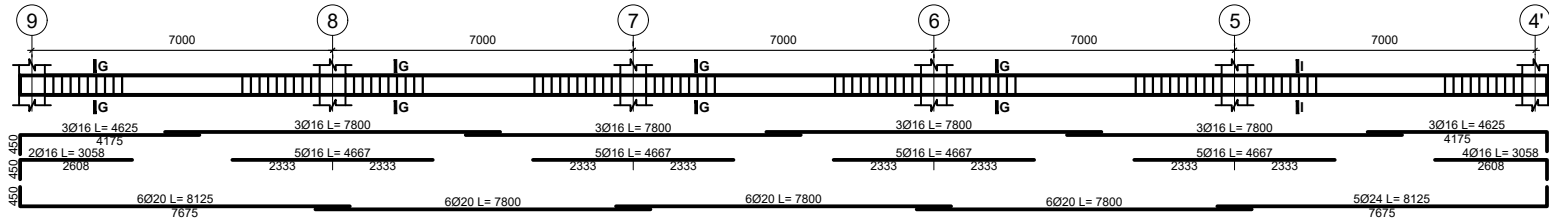
FIRST BASEMENT FLOOR BEAM (300x500)
Beam on Axis A




FIRST BASEMENT FLOOR BEAM (300x500)
Beam on Axis B



FIRST BASEMENT FLOOR BEAM (300x500)
Beam on Axis C



DATE	REVISION	SIGN


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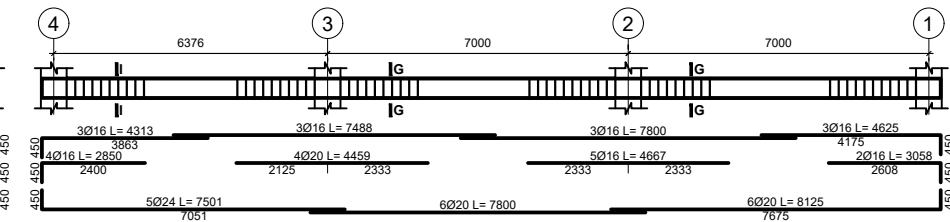
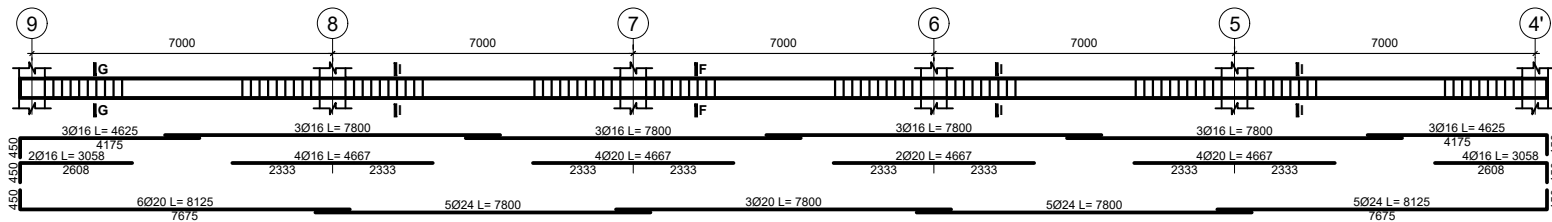
TEL: 011 5517011, 011 5517002, 011 5518031
 FAX: 011 5519366, 011 5512691, 011 552242
 P.O.BOX: 1234

PROJECT STATUS
 NEW MODIFICATION AS-BUILT

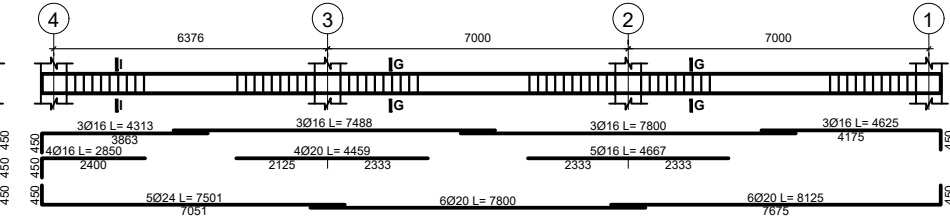
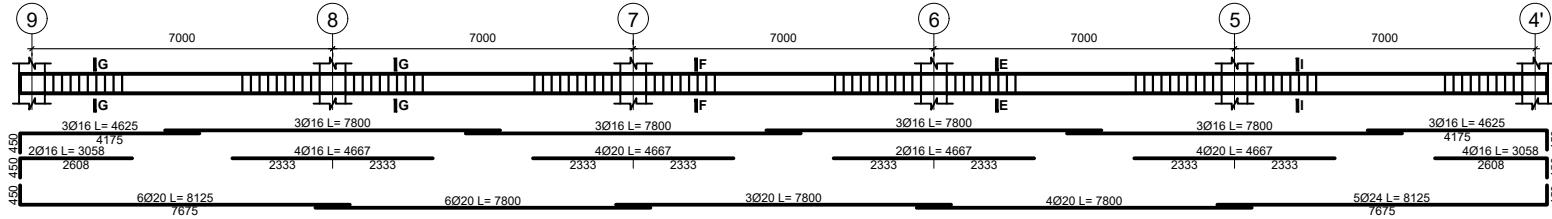
PROJECT TITLE
EQA PT PANEL PRODUCTION, BIO-BANK AND CENTRAL WAREHOUSE BUILDING

Title:	STRUCTURAL DRAWING	DRAWING NO:	ST
Designed by:	Engineering Service Directorate - MoH		
Drawn by:			ST
Scale:	NTS	Date:	
		May 2021	31/53

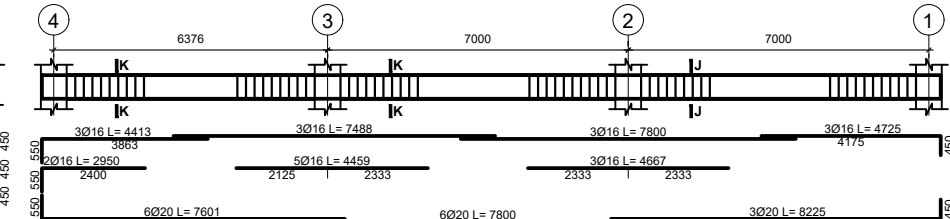
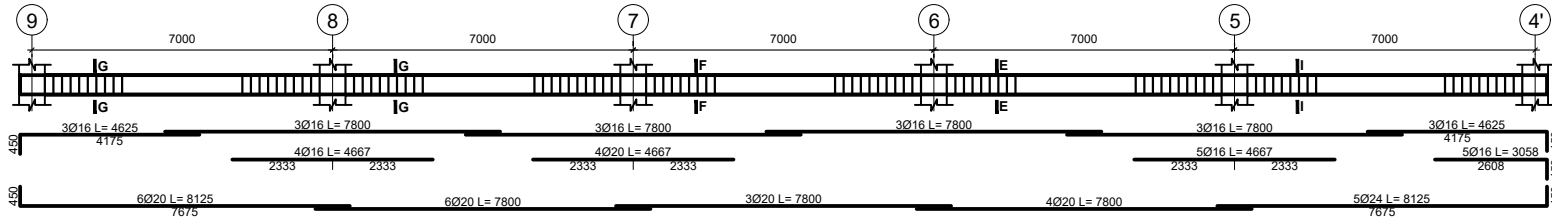
FIRST BASEMENT FLOOR BEAM (300x500)
Beam on Axis D



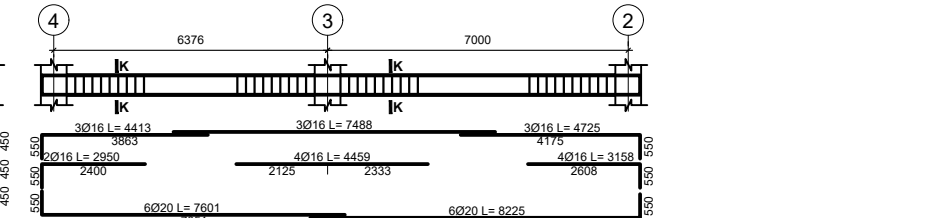
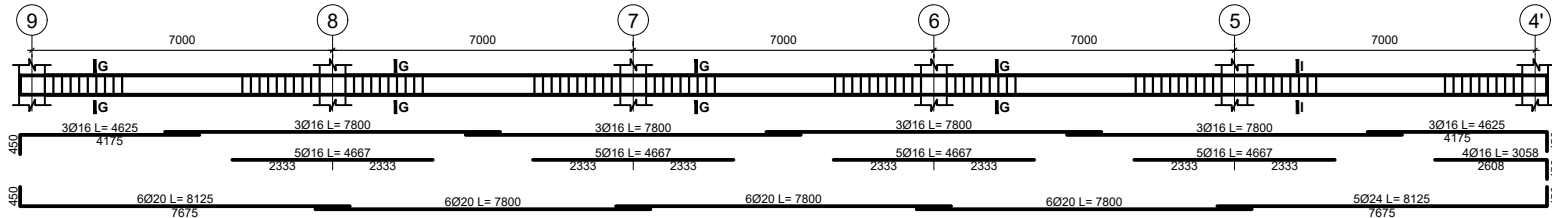
FIRST BASEMENT FLOOR BEAM (300x500)
Beam on Axis E



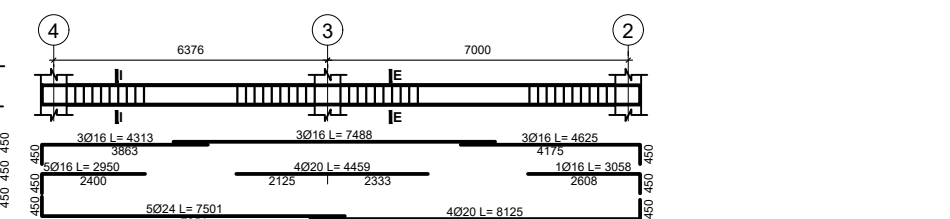
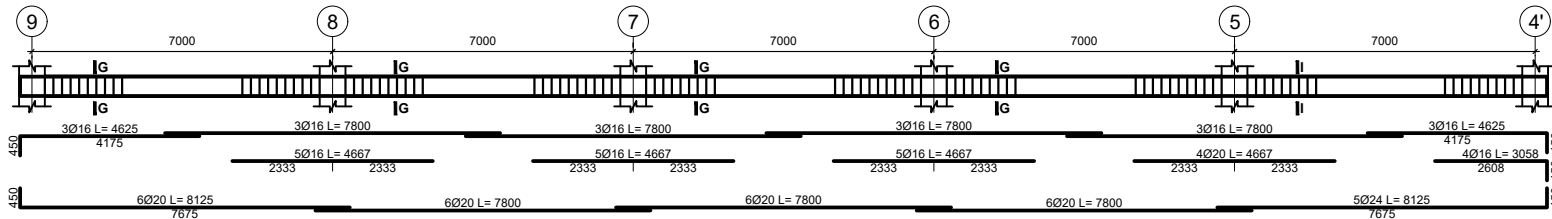
FIRST BASEMENT FLOOR BEAM (300x500)
Beam on Axis F



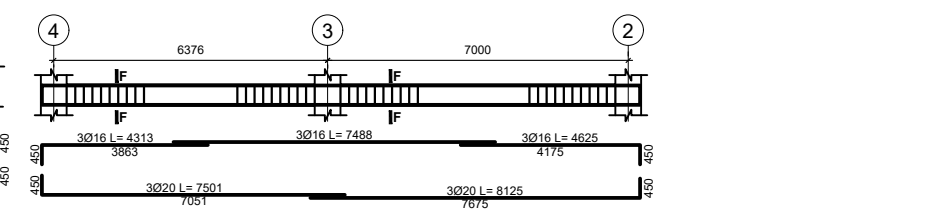
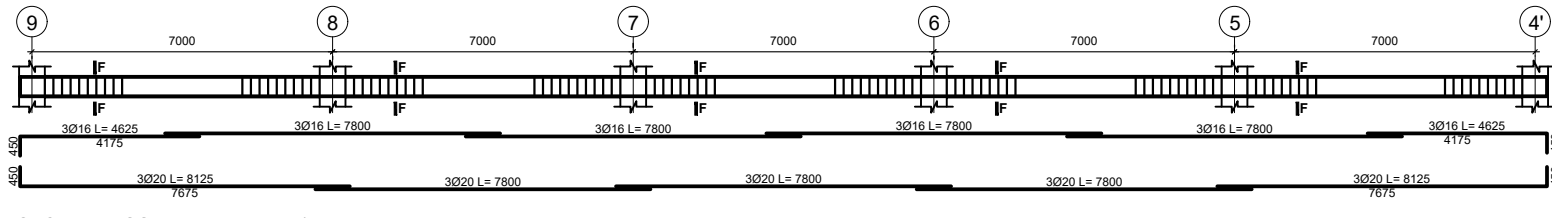
FIRST BASEMENT FLOOR BEAM (300x500)
Beam on Axis G



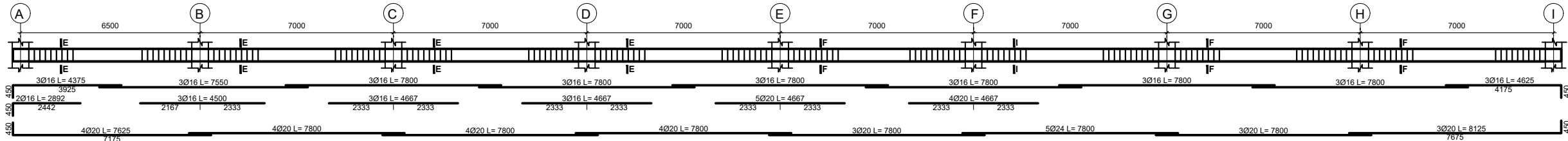
FIRST BASEMENT FLOOR BEAM (300x500)
Beam on Axis H




FIRST BASEMENT FLOOR BEAM (300x500)
Beam on Axis I

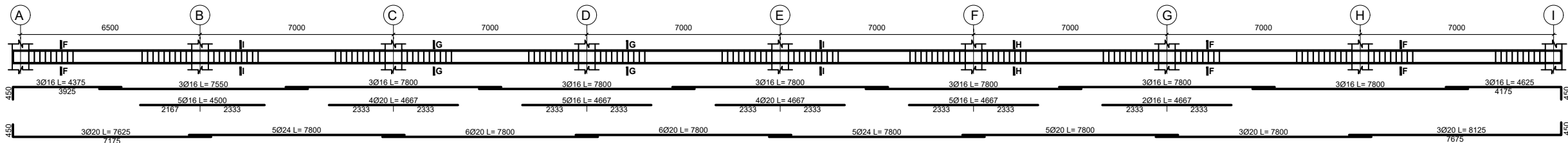


GROUND FLOOR BEAM (300x500)
Beam on Axis 1

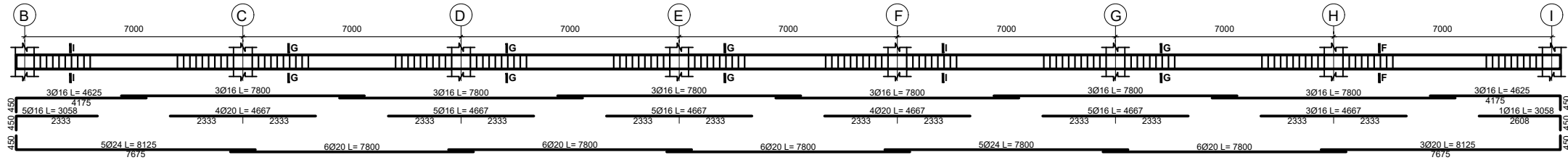


DATE	REVISION	SIGN
 ጤና ሚኒስቴር - ኢትዮጵያ MINISTRY OF HEALTH ETHIOPIA		
TEL: 011 5517011, 011 5517002, 011 5518031 FAX: 011 5519366, 011 5512691, 011 552242 P.O.BOX: 1234		
PROJECT STATUS <input checked="" type="checkbox"/> NEW <input type="checkbox"/> MODIFICATION <input type="checkbox"/> AS-BUILT		
PROJECT TITLE EQA PT PANEL PRODUCTION, BIO-BANK AND CENTRAL WAREHOUSE BUILDING		
Title: STRUCTURAL DRAWING		DRAWING NO ST
Designed by: Engineering Service Directorate - MoH		ST
Drawn by:		32/53
Scale: NTS	Date: May 2021	

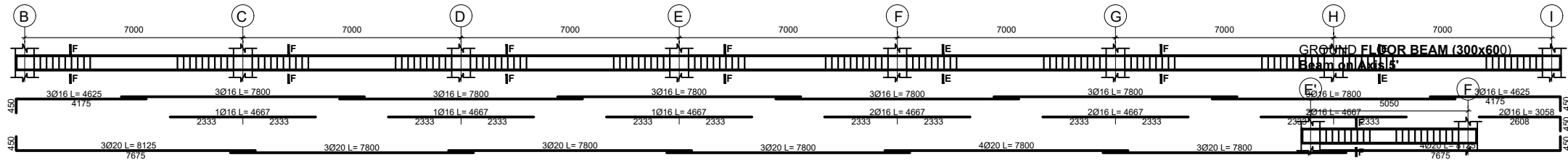
GROUND FLOOR BEAM (300x500)
Beam on Axis 2



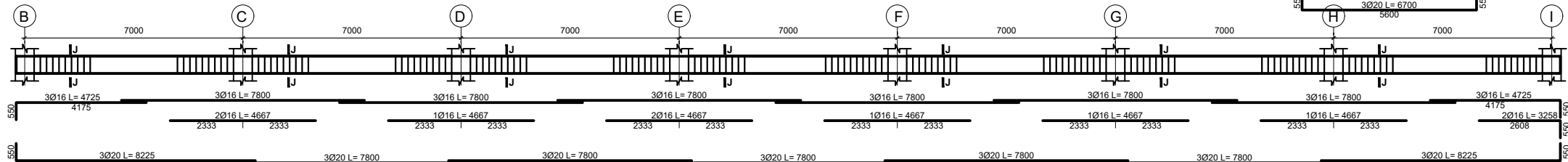
GROUND FLOOR BEAM (300x500)
Beam on Axis 3



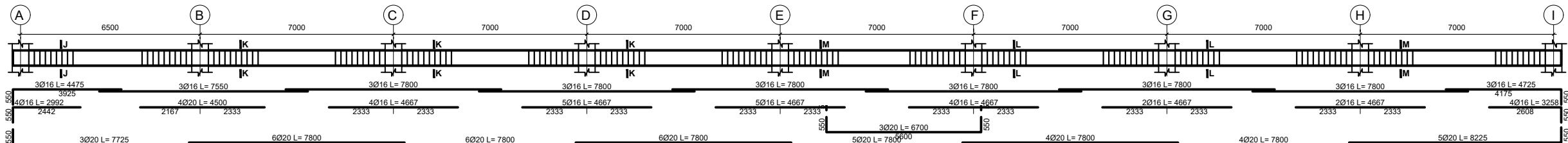
GROUND FLOOR BEAM (300x500)
Beam on Axis 4



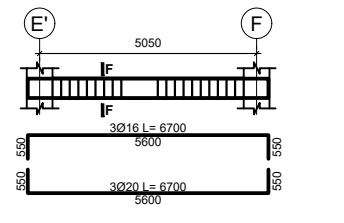
GROUND FLOOR BEAM (300x600)
Beam on Axis 4'



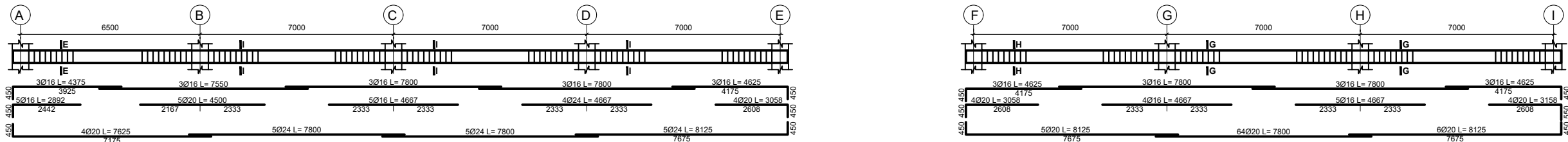
GROUND FLOOR BEAM (300x600)
Beam on Axis 5



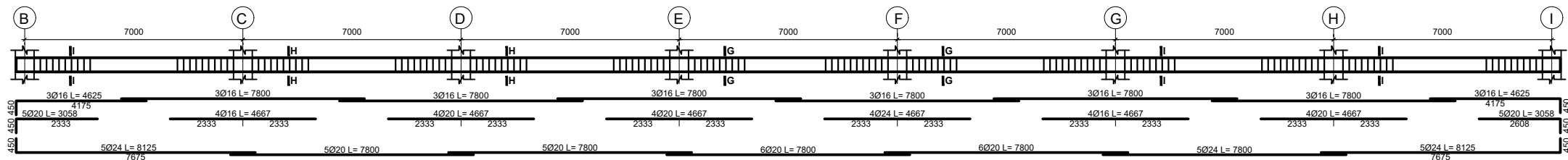
GROUND FLOOR BEAM (300x600)
Beam on Axis 5'




GROUND FLOOR BEAM (300x500)
Beam on Axis 6

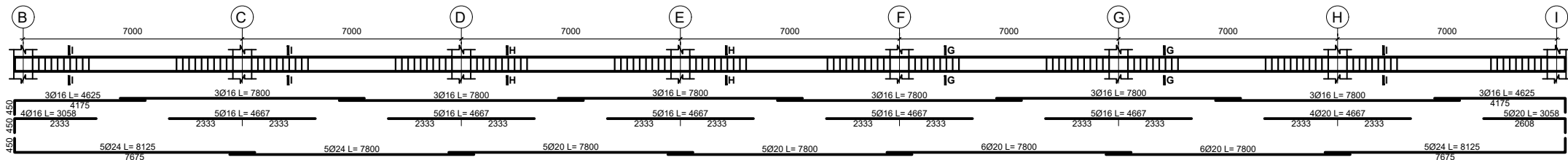


GROUND FLOOR BEAM (300x500)
Beam on Axis 7

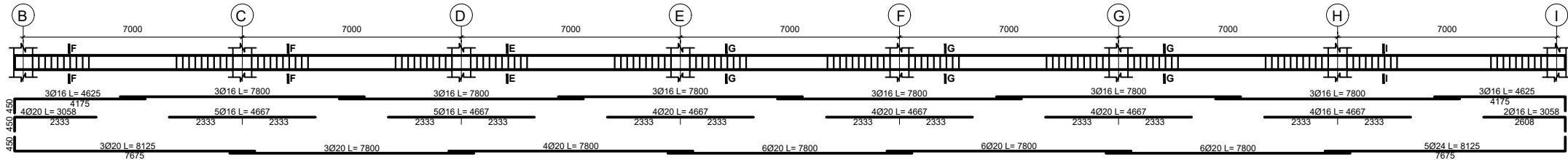


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PROJECT STATUS <input checked="" type="checkbox"/> NEW <input type="checkbox"/> MODIFICATION <input type="checkbox"/> AS-BUILT		
PROJECT TITLE EQA PT PANEL PRODUCTION, BIO-BANK AND CENTRAL WAREHOUSE BUILDING		
Title: STRUCTURAL DRAWING		DRAWING NO ST ST 33/53
Designed by: Engineering Service Directorate - MoH		
Drawn by:		
Scale: NTS	Date: May 2021	

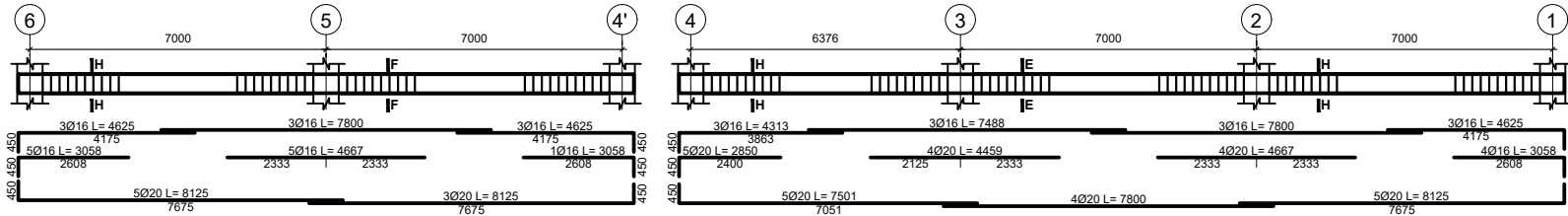
GROUND FLOOR BEAM (300x500)
Beam on Axis 8



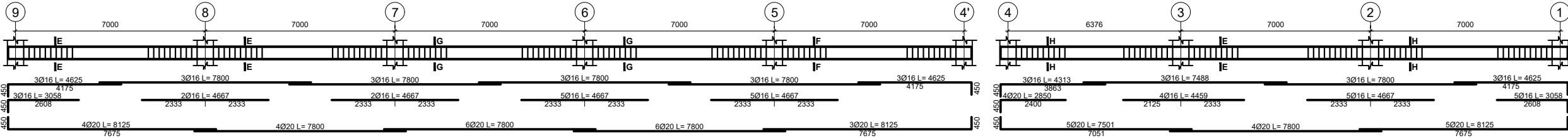
GROUND FLOOR BEAM (300x500)
Beam on Axis 9



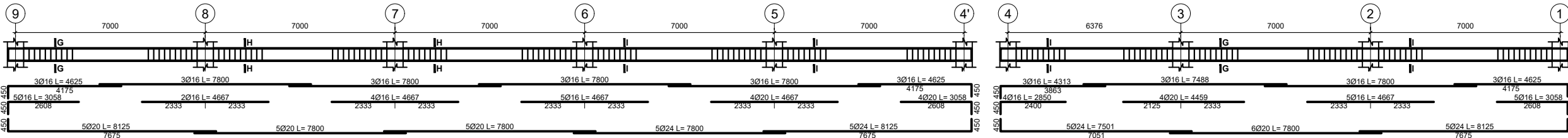
GROUND FLOOR BEAM (300x500)
Beam on Axis A



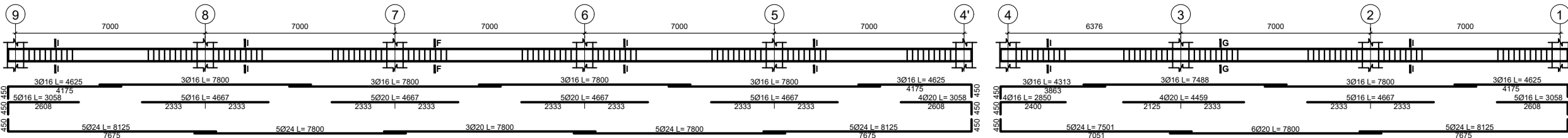
GROUND FLOOR BEAM (300x500)
Beam on Axis B



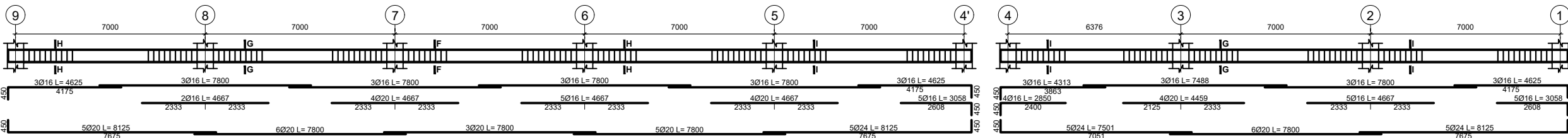
GROUND FLOOR BEAM (300x500)
Beam on Axis C




GROUND FLOOR BEAM (300x500)
Beam on Axis D

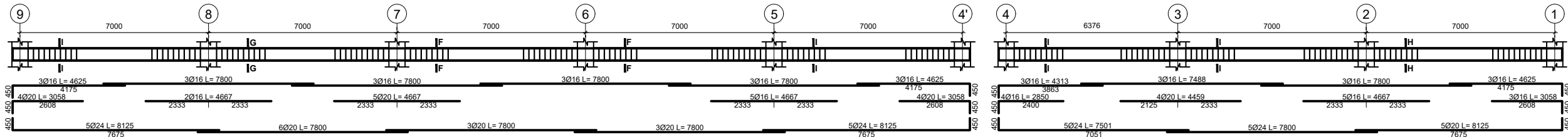


GROUND FLOOR BEAM (300x500)
Beam on Axis E

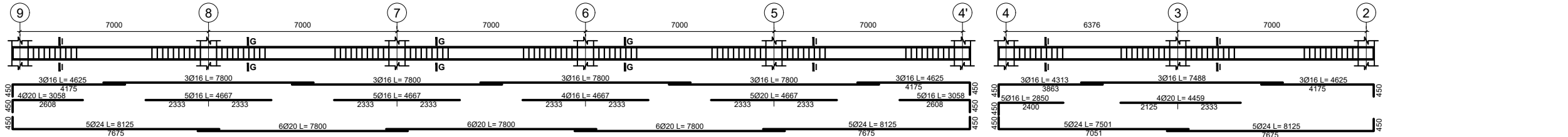


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PROJECT STATUS <input checked="" type="checkbox"/> NEW <input type="checkbox"/> MODIFICATION <input type="checkbox"/> AS-BUILT		
PROJECT TITLE EQA PT PANEL PRODUCTION, BIO-BANK AND CENTRAL WAREHOUSE BUILDING		
Title: STRUCTURAL DRAWING		DRAWING NO: ST ST 34/53
Designed by: Engineering Service Directorate - MoH		Date: May 2021
Drawn by:		
Scale: NTS		

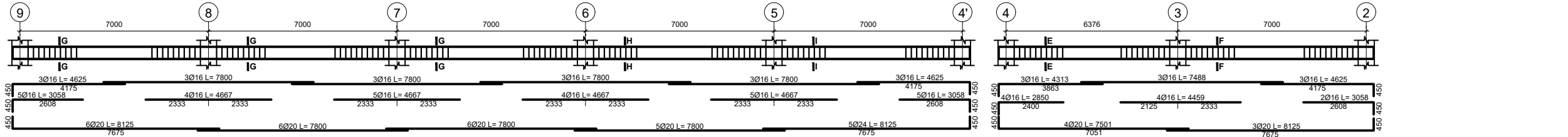
GROUND FLOOR BEAM (300x500)
Beam on Axis F



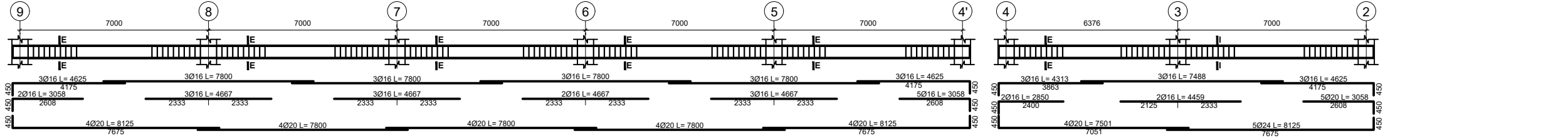
GROUND FLOOR BEAM (300x500)
Beam on Axis G



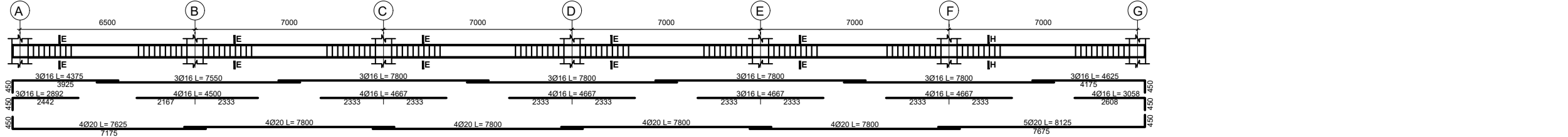
GROUND FLOOR BEAM (300x500)
Beam on Axis H



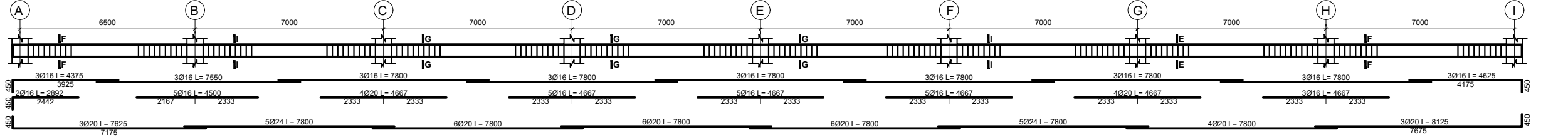
GROUND FLOOR BEAM (300x500)
Beam on Axis I



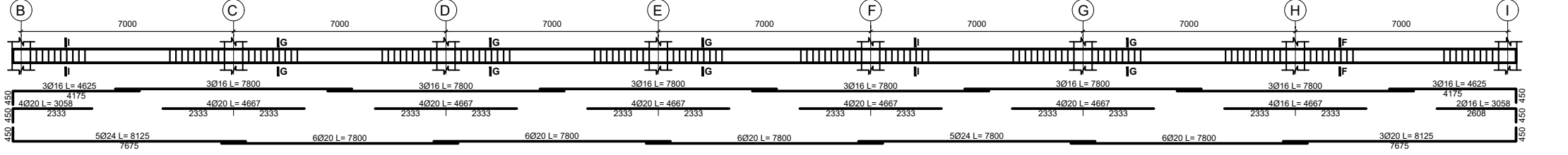
1st & 2nd FLOOR BEAM (300x500)
Beam on Axis 1




1st & 2nd FLOOR BEAM (300x500)
Beam on Axis 2

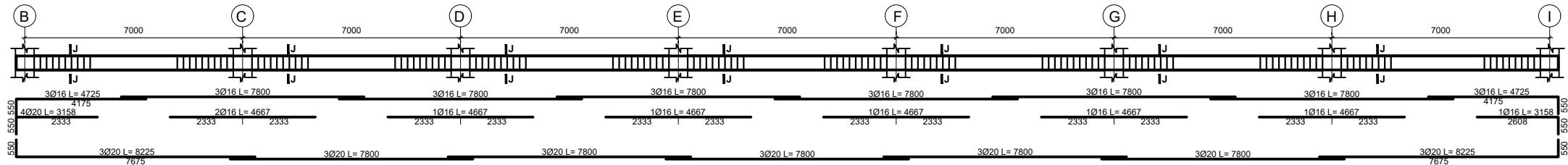


1st & 2nd FLOOR BEAM (300x500)
Beam on Axis 3

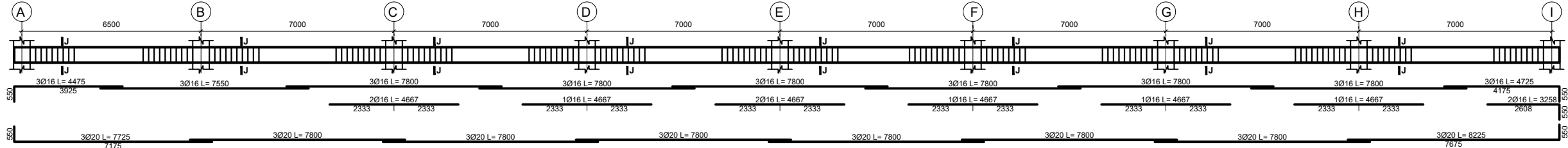


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PROJECT TITLE EQA PT PANEL PRODUCTION, BIO-BANK AND CENTRAL WAREHOUSE BUILDING		
Title: STRUCTURAL DRAWING		DRAWING NO ST
Designed by: Engineering Service Directorate - MoH		ST
Drawn by:		35/53
Scale: NTS	Date: May 2021	

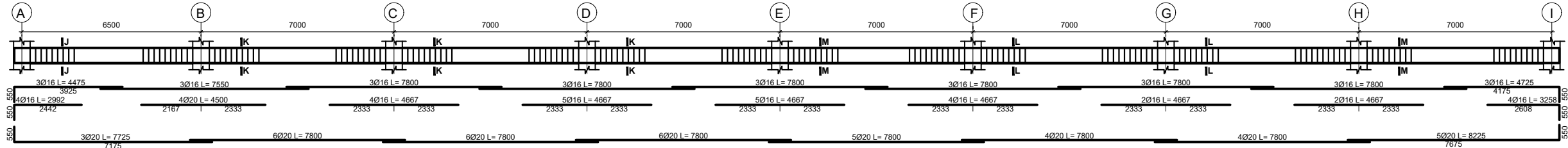
1st & 2nd FLOOR BEAM (300x600)
Beam on Axis 4



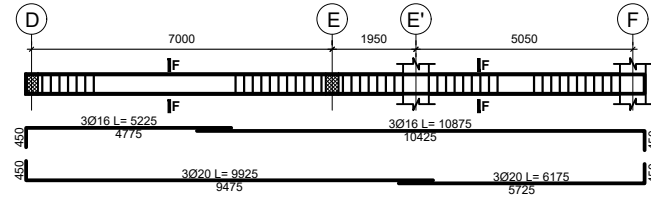
1st & 2nd FLOOR BEAM (300x600)
Beam on Axis 4'



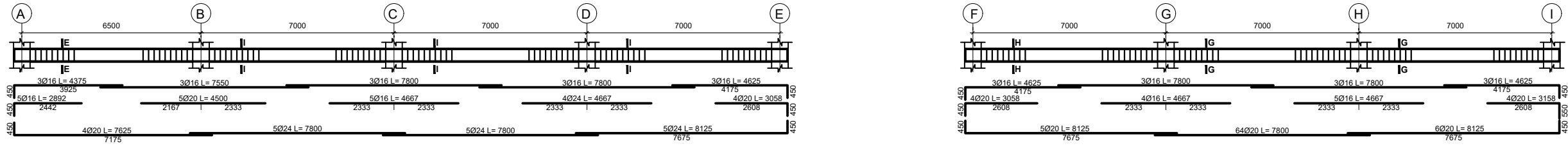
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Beam on Axis 5



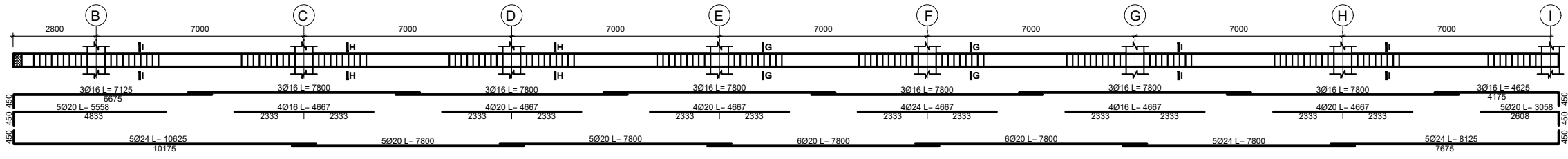
1st & 2nd FLOOR BEAM (300x500)
Beam on Axis 5'



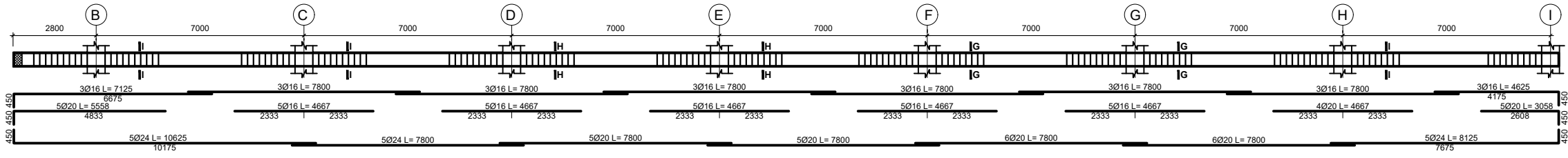
1st & 2nd FLOOR BEAM (300x500)
Beam on Axis 6




1st & 2nd FLOOR BEAM (300x500)
Beam on Axis 7

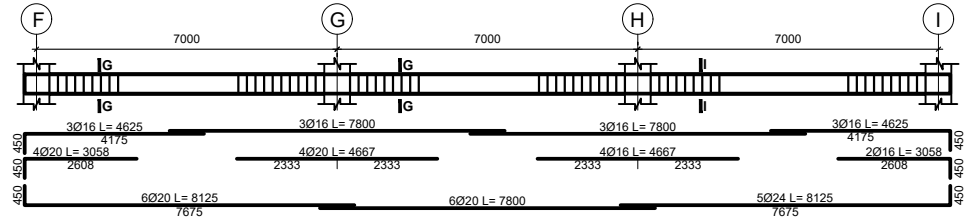
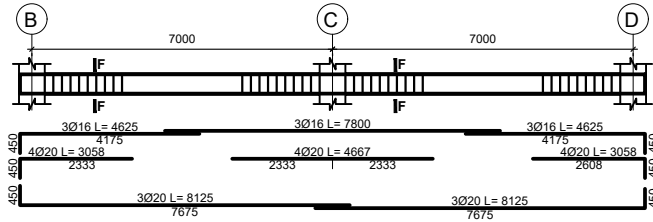


1st & 2nd FLOOR BEAM (300x500)
Beam on Axis 8

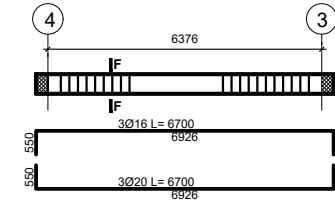


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PROJECT TITLE EQA PT PANEL PRODUCTION, BIO-BANK AND CENTRAL WAREHOUSE BUILDING		
Title: STRUCTURAL DRAWING		DRAWING NO ST
Designed by: Engineering Service Directorate - MoH		ST
Drawn by:		36/53
Scale: NTS	Date: May 2021	

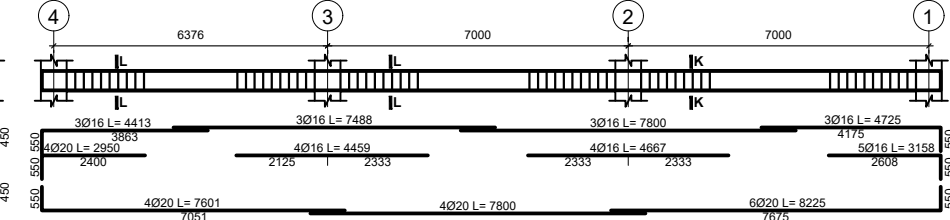
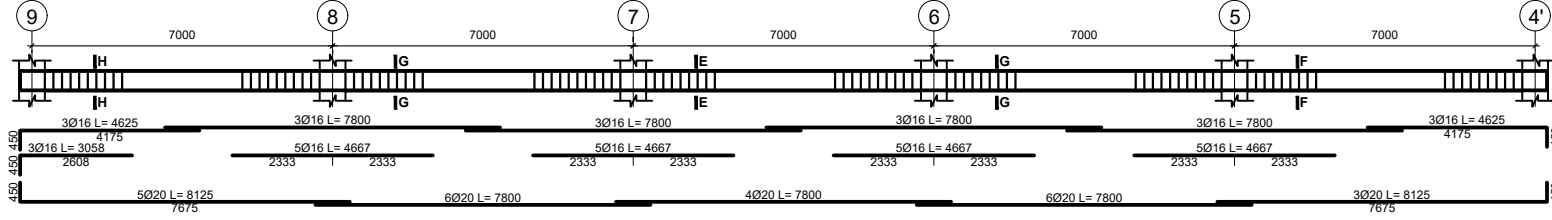
1st FLOOR BEAM (300x500)
Beam on Axis 9



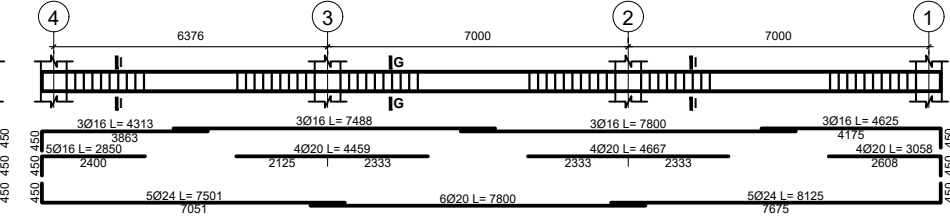
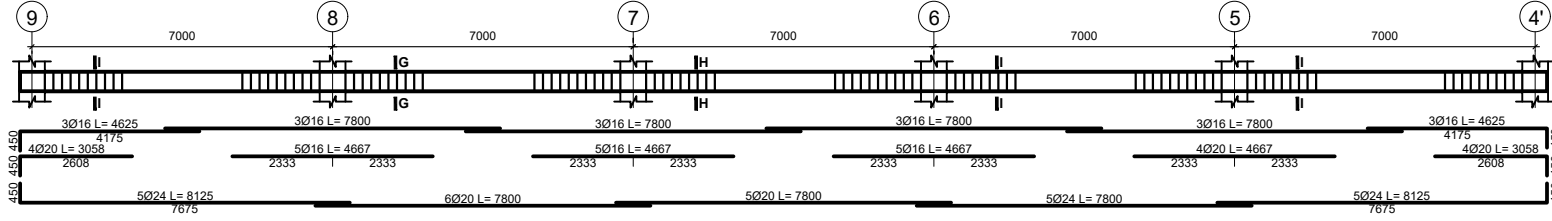
1st FLOOR BEAM (300x600)
Beam on Axis K



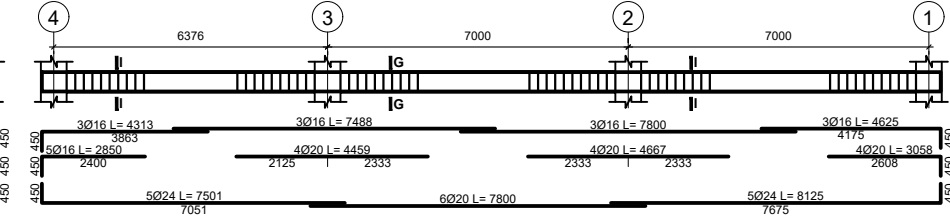
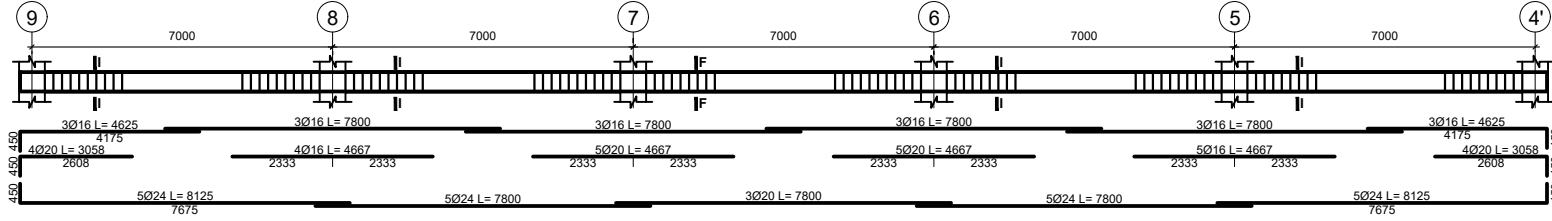
1st & 2nd FLOOR BEAM (300x500)
Beam on Axis B



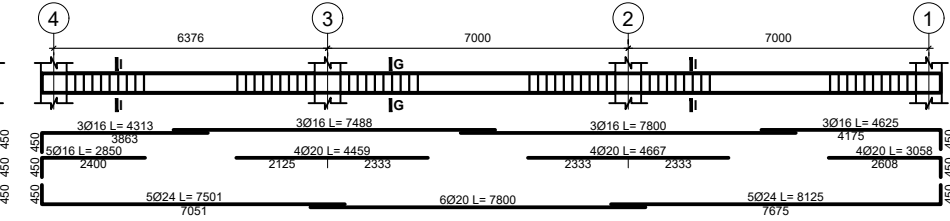
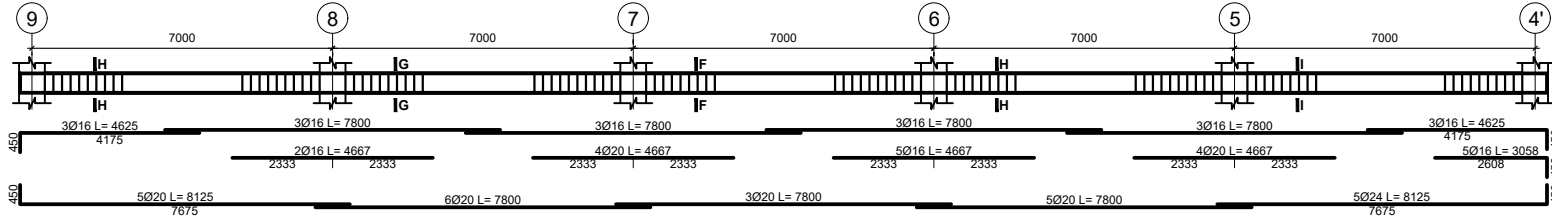
1st & 2nd FLOOR BEAM (300x500)
Beam on Axis C



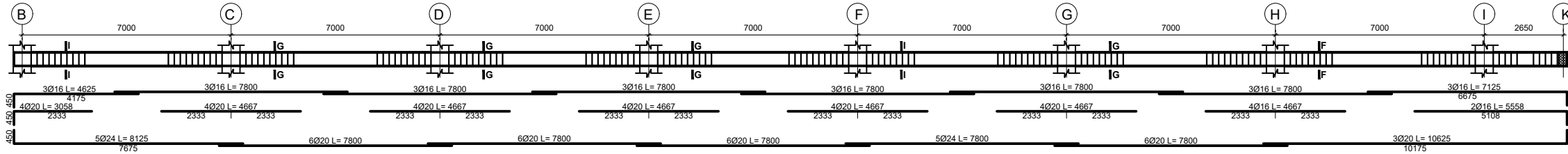
1st & 2nd FLOOR BEAM (300x500)
Beam on Axis D



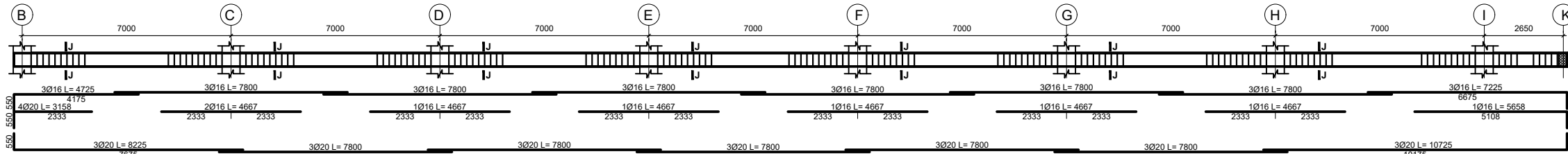
1st & 2nd FLOOR BEAM (300x500)
Beam on Axis E




1st FLOOR BEAM (300x500)
Beam on Axis 3

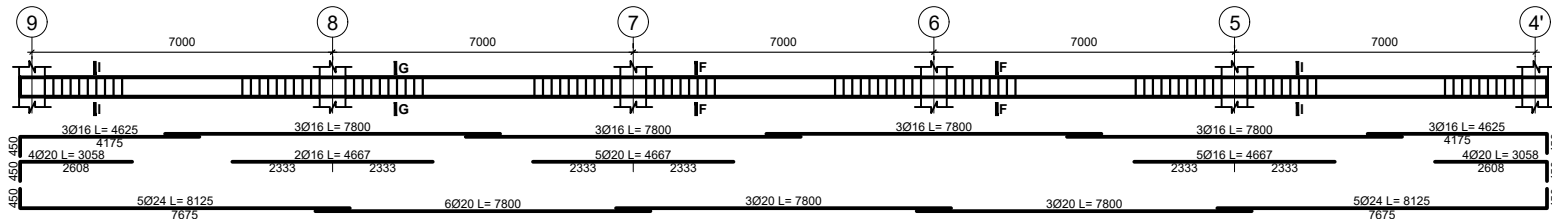


1st FLOOR BEAM (300x600)
Beam on Axis 4

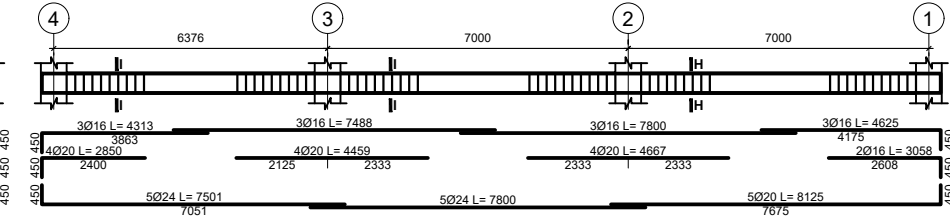
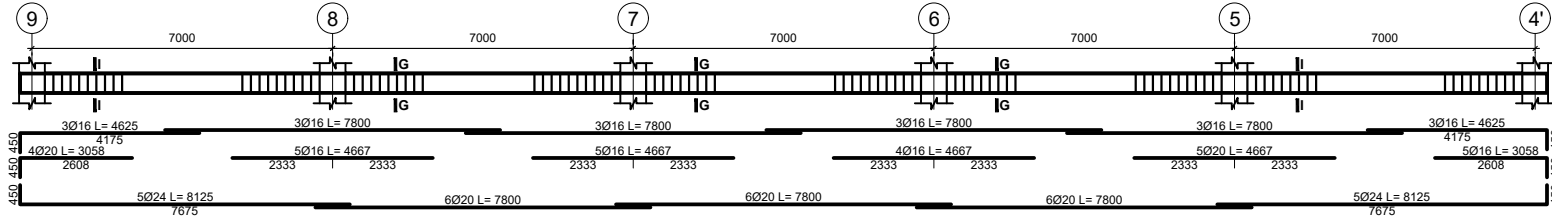


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PROJECT STATUS <input checked="" type="checkbox"/> NEW <input type="checkbox"/> MODIFICATION <input type="checkbox"/> AS-BUILT		
PROJECT TITLE EQA PT PANEL PRODUCTION, BIO-BANK AND CENTRAL WAREHOUSE BUILDING		
Title: STRUCTURAL DRAWING		DRAWING NO ST ST 37/53
Designed by: Engineering Service Directorate - MoH		Date: May 2021
Drawn by:		
Scale: NTS		

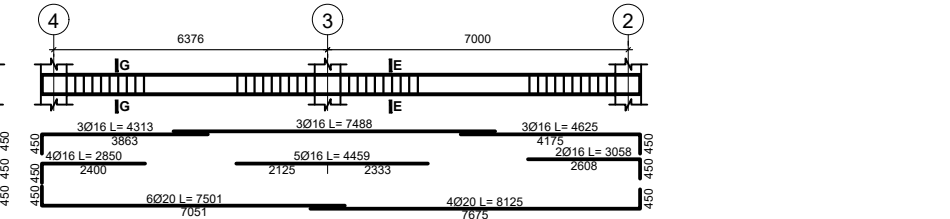
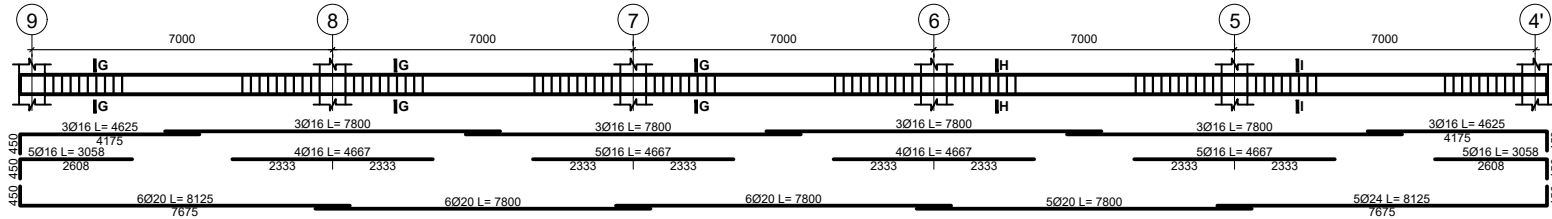
1st & 2nd FLOOR BEAM (300x500)
Beam on Axis F



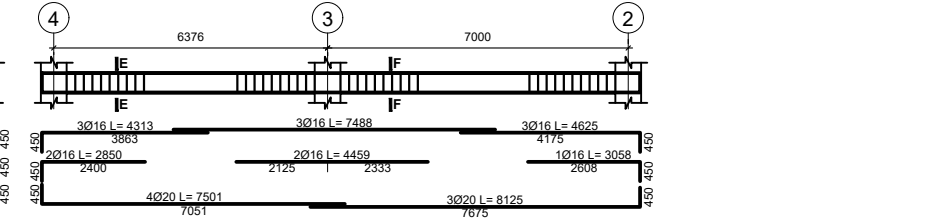
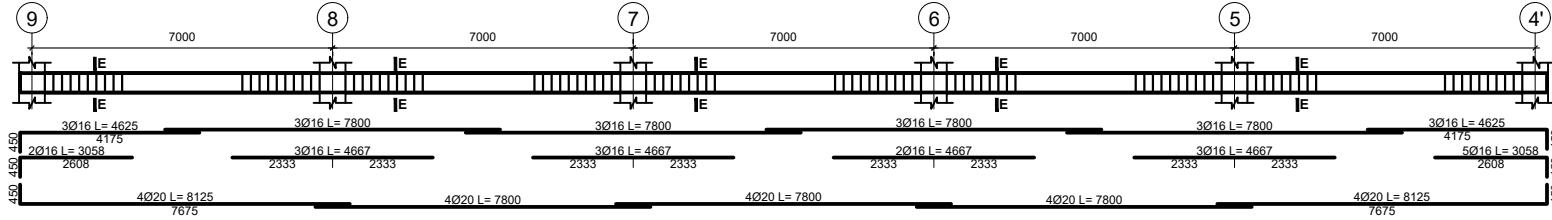
1st & 2nd FLOOR BEAM (300x500)
Beam on Axis G



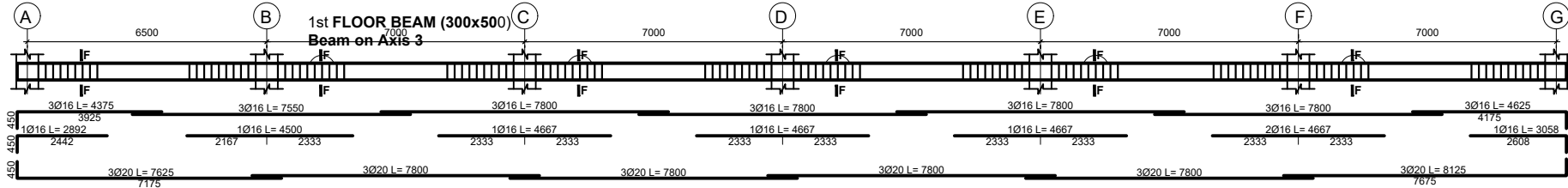
1st & 2nd FLOOR BEAM (300x500)
Beam on Axis H



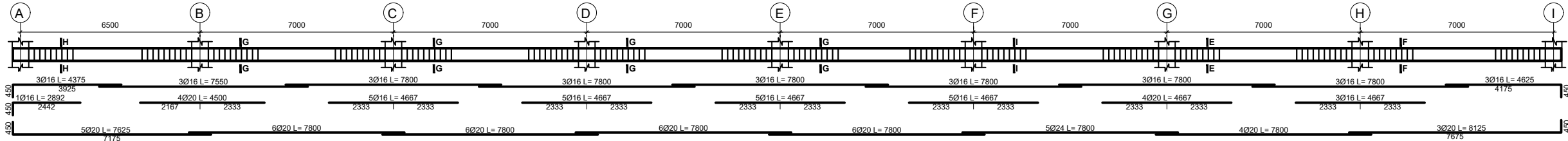
1st & 2nd FLOOR BEAM (300x500)
Beam on Axis I



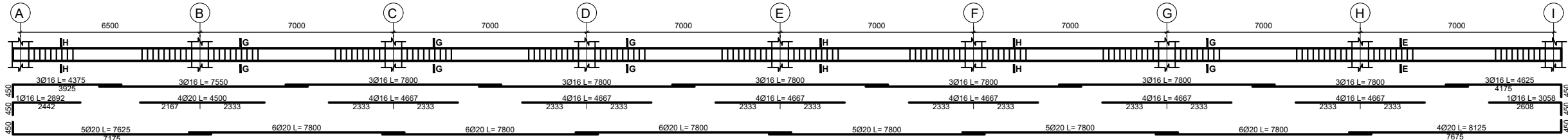
3rd FLOOR BEAM (300x500)
Beam on Axis 1




3rd FLOOR BEAM (300x500)
Beam on Axis 2

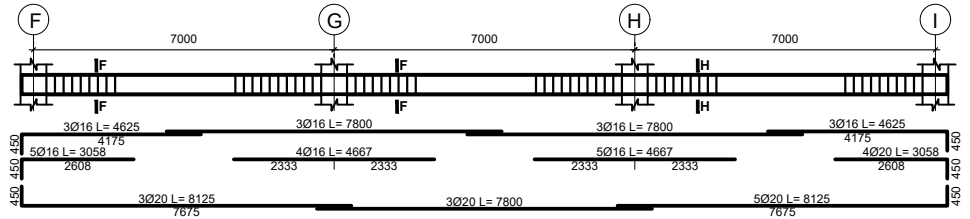
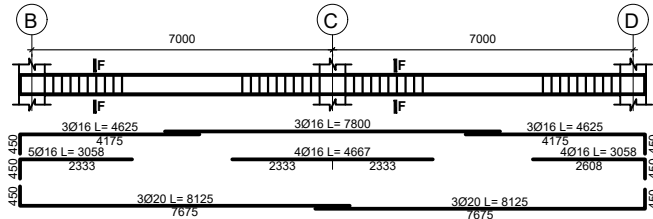


3rd FLOOR BEAM (300x500)
Beam on Axis 3

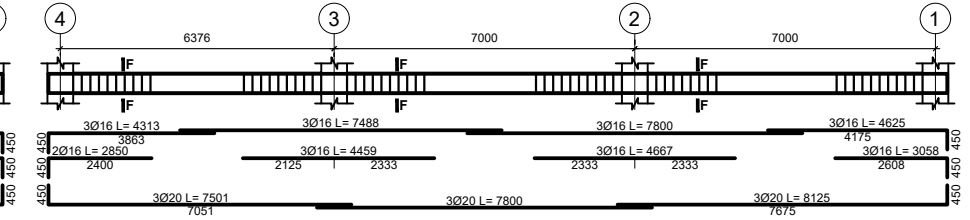
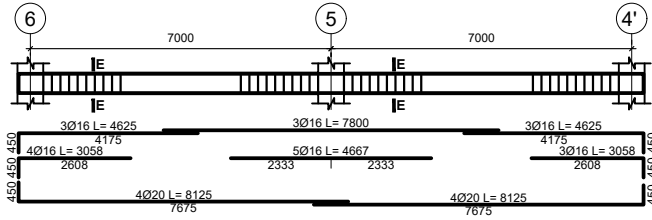


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PROJECT TITLE EQA PT PANEL PRODUCTION, BIO-BANK AND CENTRAL WAREHOUSE BUILDING		
Title: STRUCTURAL DRAWING		DRAWING NO ST
Designed by: Engineering Service Directorate - MoH		ST
Drawn by:		38/53
Scale: NTS	Date: May 2021	

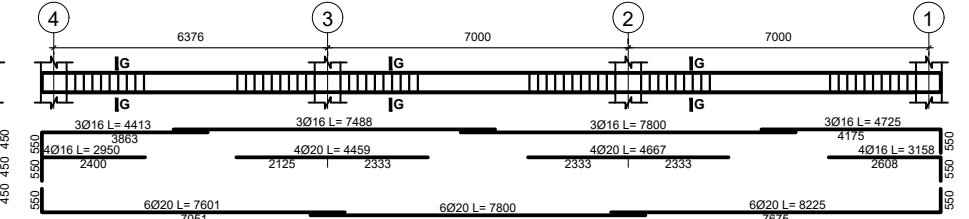
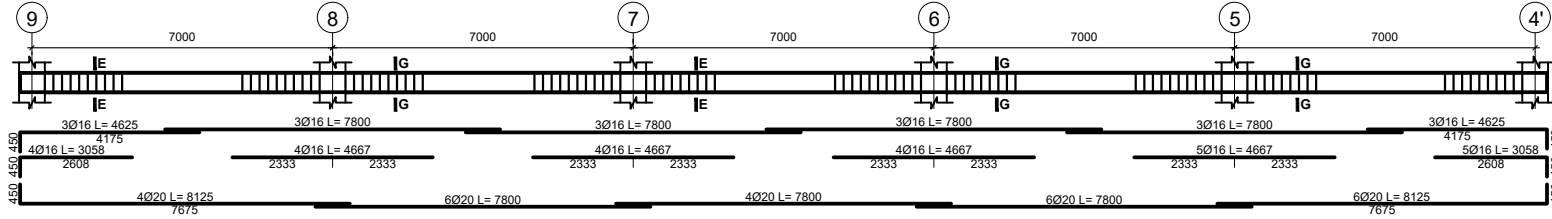
3rd FLOOR BEAM (300x500)
Beam on Axis 9



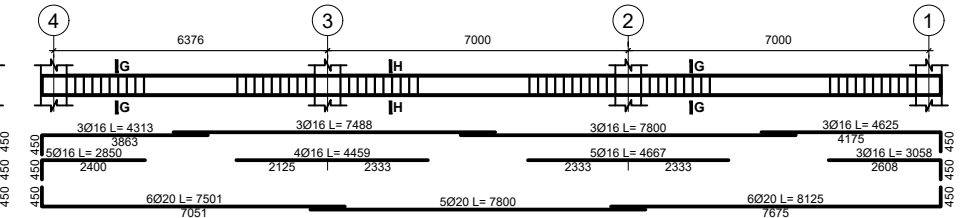
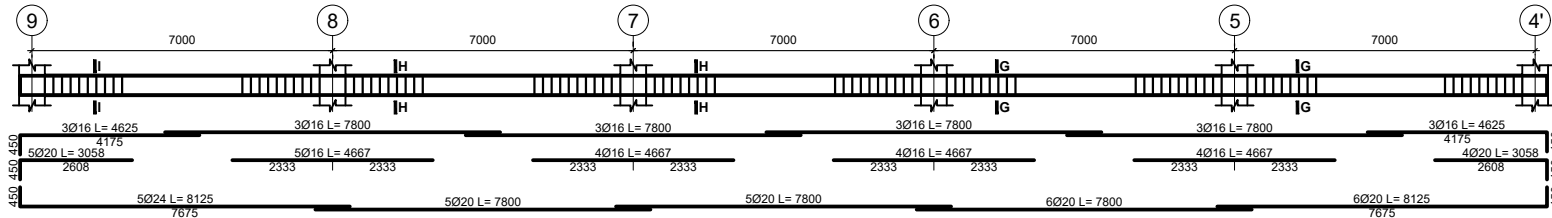
3rd FLOOR BEAM (300x500)
Beam on Axis A



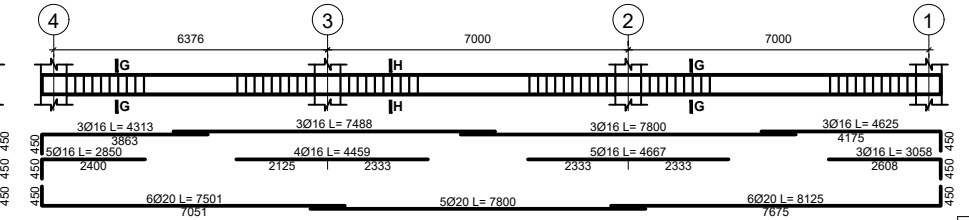
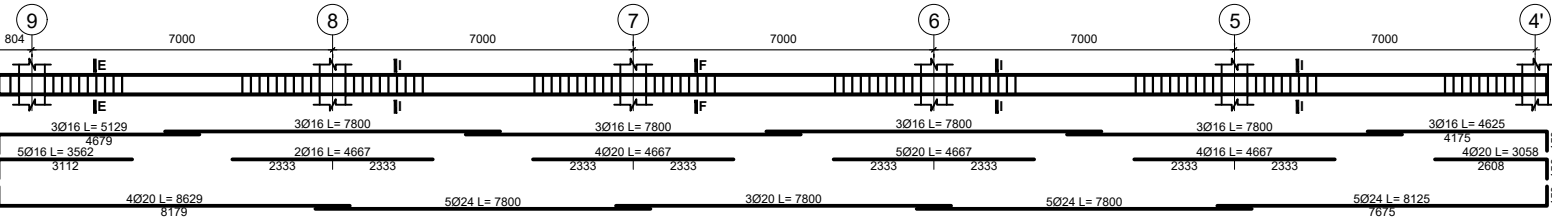
3rd FLOOR BEAM (300x600)
Beam on Axis B



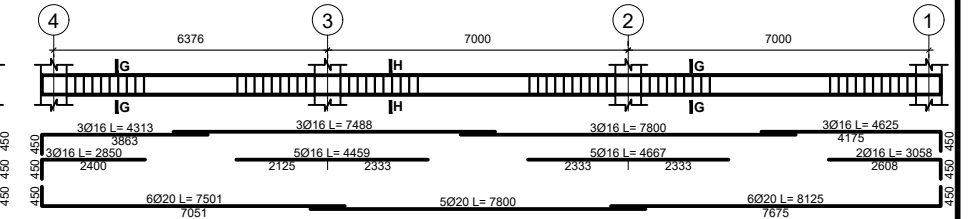
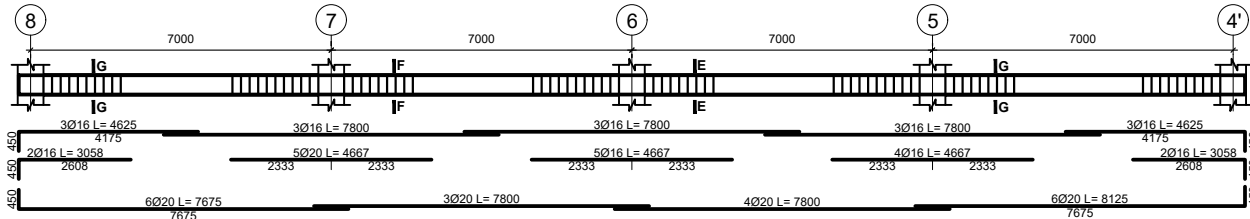
3rd FLOOR BEAM (300x500)
Beam on Axis C



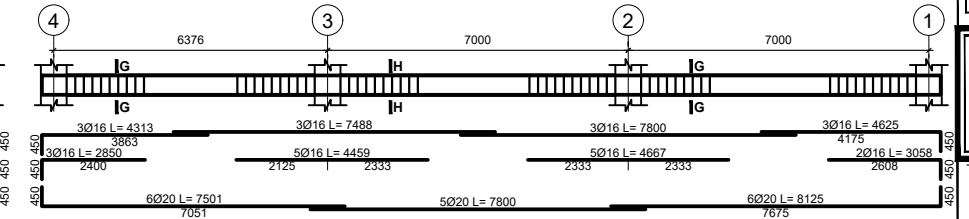
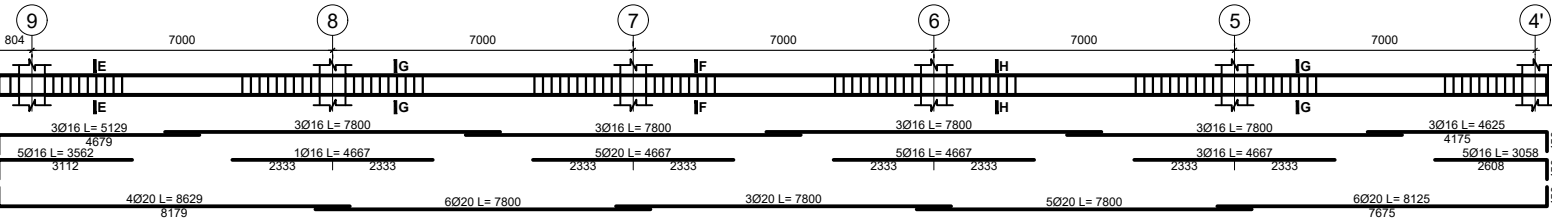
3rd FLOOR BEAM (300x500)
Beam on Axis D




3rd FLOOR BEAM (300x500)
Beam on Axis E

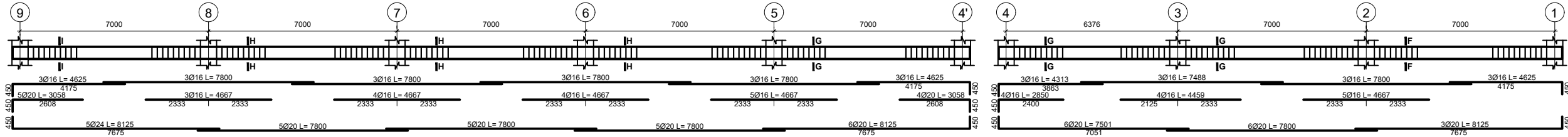


3rd FLOOR BEAM (300x500)
Beam on Axis F

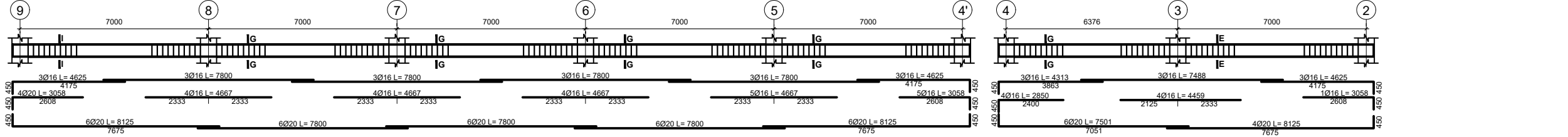


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PROJECT TITLE EQA PT PANEL PRODUCTION, BIO-BANK AND CENTRAL WAREHOUSE BUILDING		
Title: STRUCTURAL DRAWING		DRAWING NO: ST ST 40/53
Designed by: Engineering Service Directorate - MoH		
Drawn by:		
Scale: NTS	Date: May 2021	

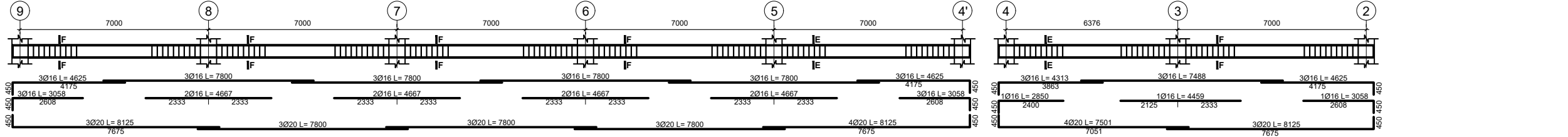
3rd FLOOR BEAM (300x500)
Beam on Axis G



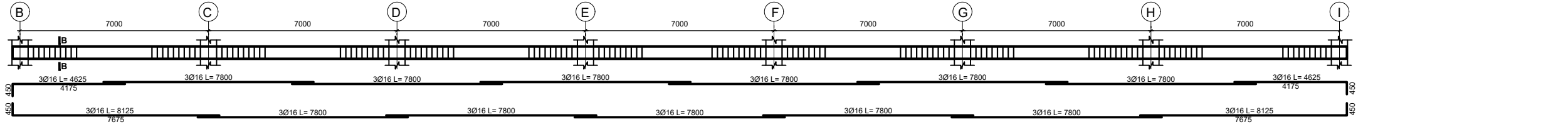
3rd FLOOR BEAM (300x500)
Beam on Axis H



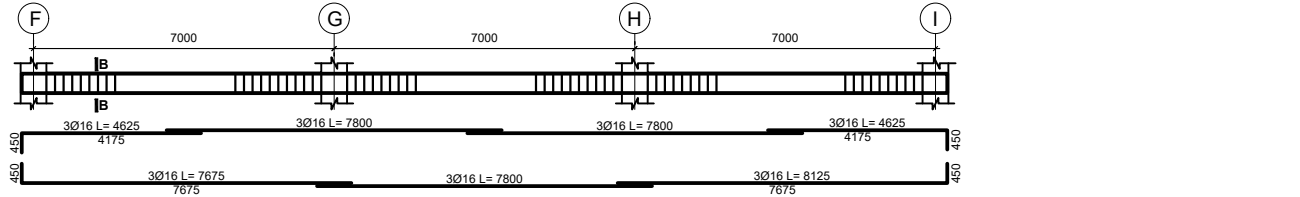
3rd FLOOR BEAM (300x500)
Beam on Axis I



4th FLOOR BEAM (300x500)
Beam on Axis 2&4



4th FLOOR BEAM (300x500)
Beam on Axis 3



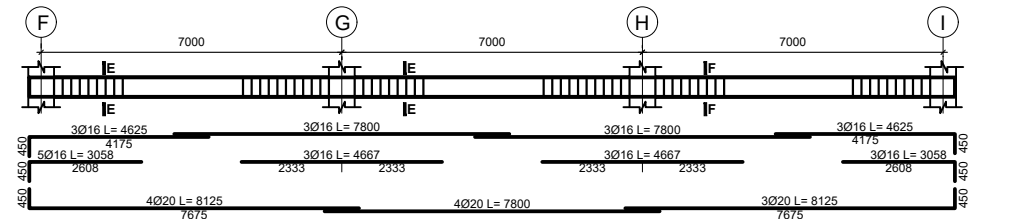
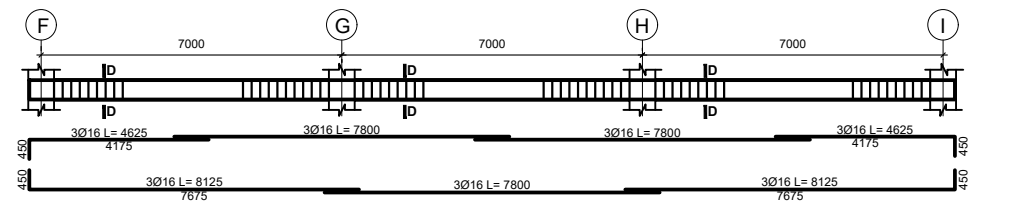
4th FLOOR BEAM (300x500)
Beam on Axis F,G,H&I




4th FLOOR BEAM (300x500)
Beam on Axis 4'

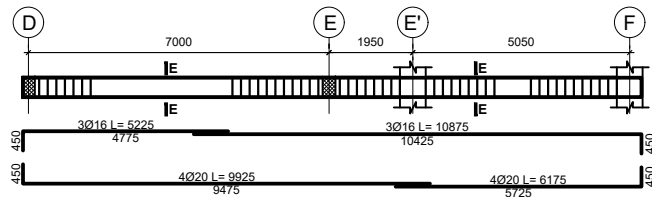


4th FLOOR BEAM (300x500)
Beam on Axis 5

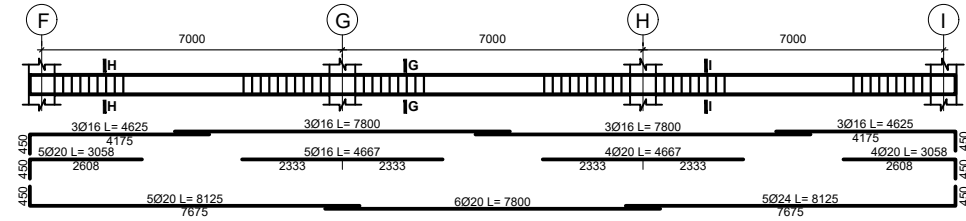
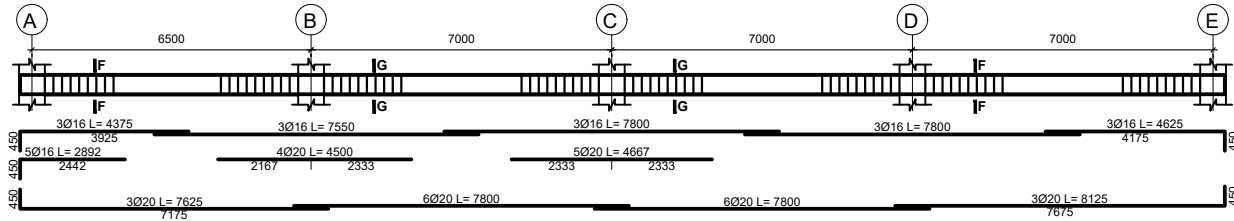


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PROJECT STATUS		
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
NEW	MODIFICATION	AS-BUILT
PROJECT TITLE		
EQA PT PANEL PRODUCTION, BIO-BANK AND CENTRAL WAREHOUSE BUILDING		
Title: STRUCTURAL DRAWING		DRAWING NO:
Designed by: Engineering Service Directorate - MoH		ST
Drawn by:		ST
Scale: NTS	Date: May 2021	41/53

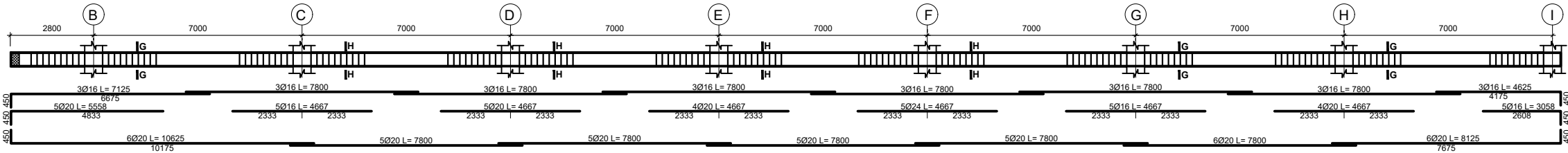
4th FLOOR BEAM (300x500)
Beam on Axis 5'



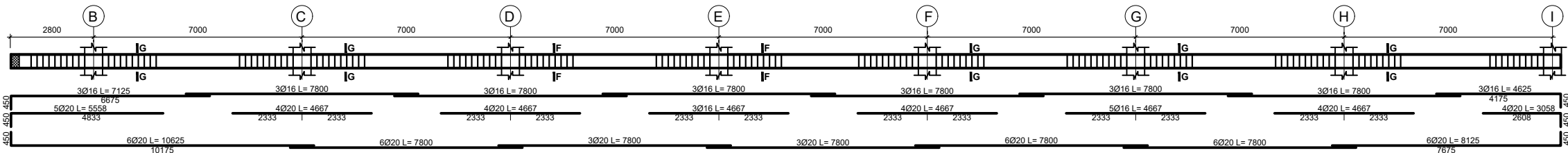
4th FLOOR BEAM (300x500)
Beam on Axis 6



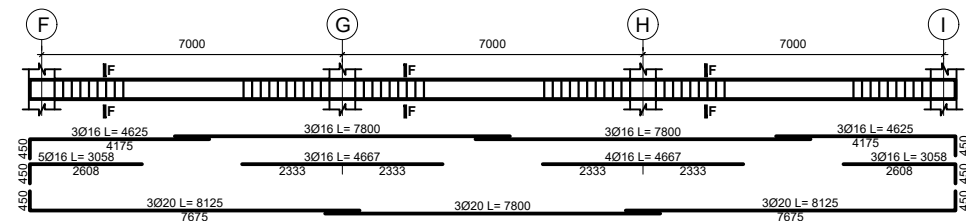
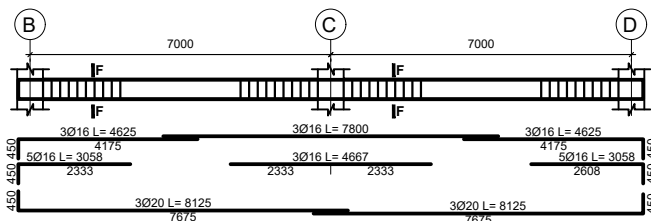
4th FLOOR BEAM (300x500)
Beam on Axis 7



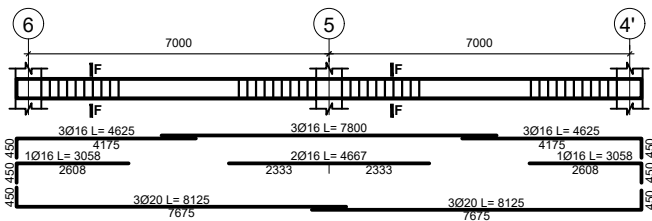
4th FLOOR BEAM (300x500)
Beam on Axis 8



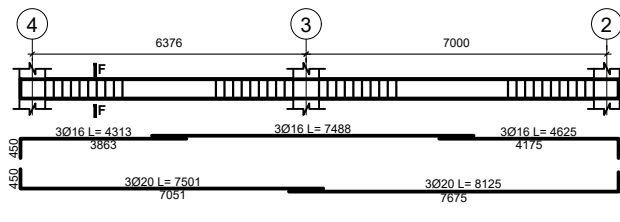
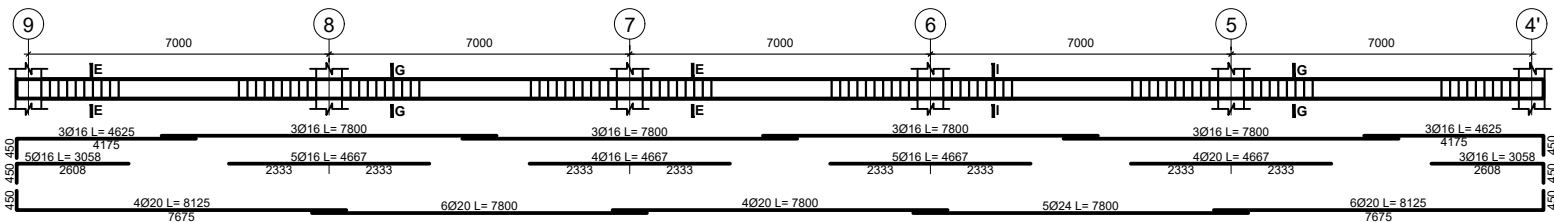
4th FLOOR BEAM (300x500)
Beam on Axis 9




4th FLOOR BEAM (300x500)
Beam on Axis A

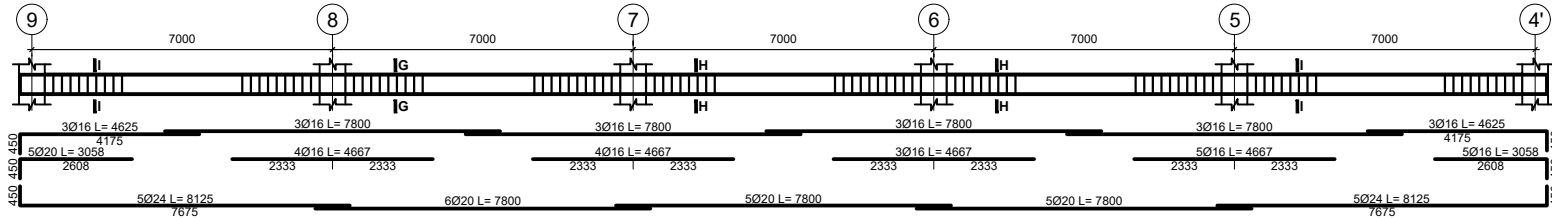


4th FLOOR BEAM (300x500)
Beam on Axis B

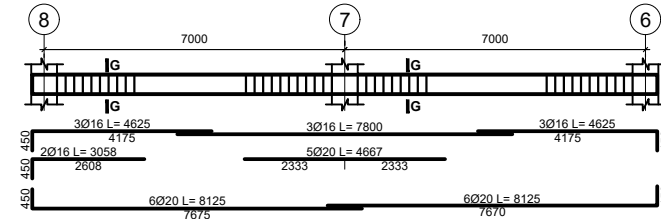


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PROJECT STATUS <input checked="" type="checkbox"/> NEW <input type="checkbox"/> MODIFICATION <input type="checkbox"/> AS-BUILT		
PROJECT TITLE EQA PT PANEL PRODUCTION, BIO-BANK AND CENTRAL WAREHOUSE BUILDING		
Title: STRUCTURAL DRAWING		DRAWING NO. ST
Designed by: Engineering Service Directorate - MoH		ST
Drawn by:		42/53
Scale: NTS	Date: May 2021	

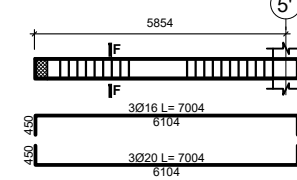
4th FLOOR BEAM (300x500)
Beam on Axis C



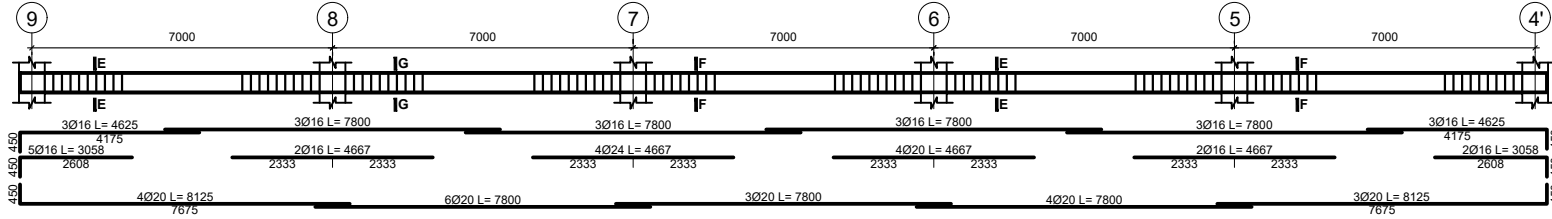
4th FLOOR BEAM (300x500)
Beam on Axis E



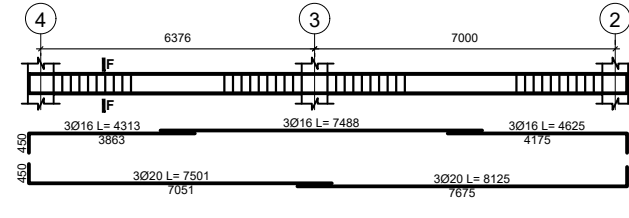
4th FLOOR BEAM (300x500)
Beam on Axis E'



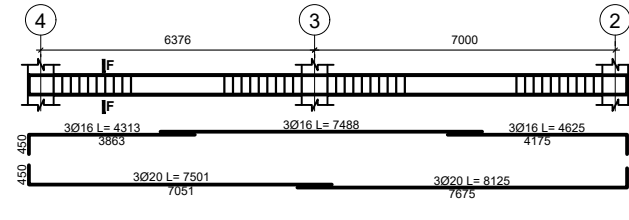
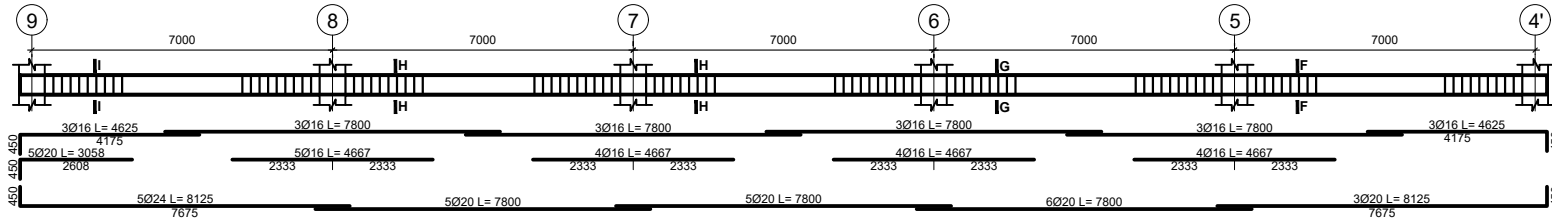
4th FLOOR BEAM (300x500)
Beam on Axis D



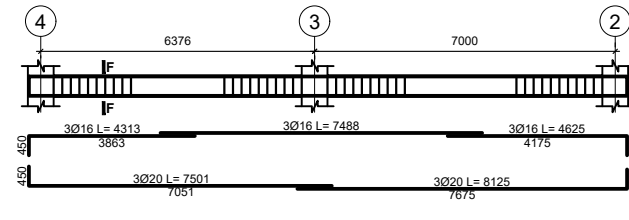
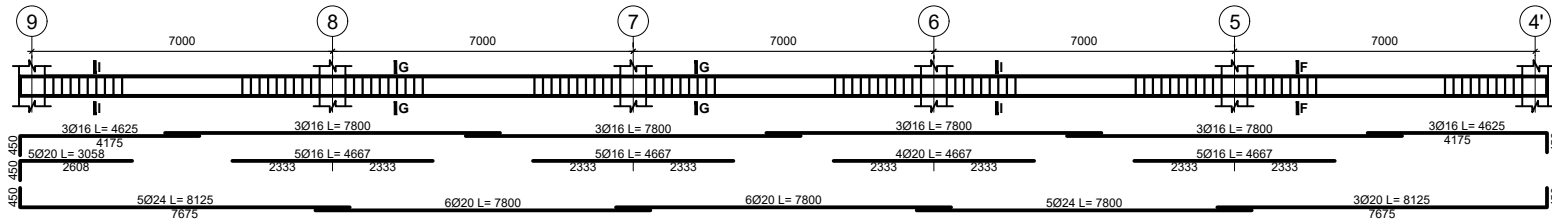
4th FLOOR BEAM (300x500)
Beam on Axis F



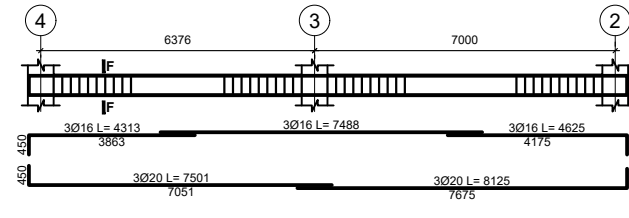
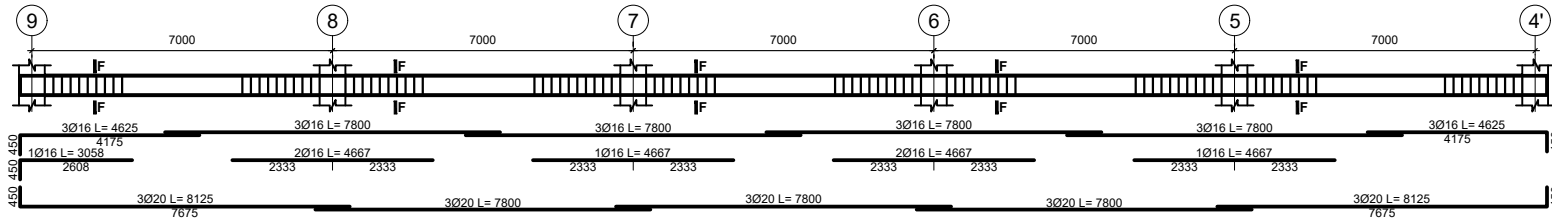
4th FLOOR BEAM (300x500)
Beam on Axis G



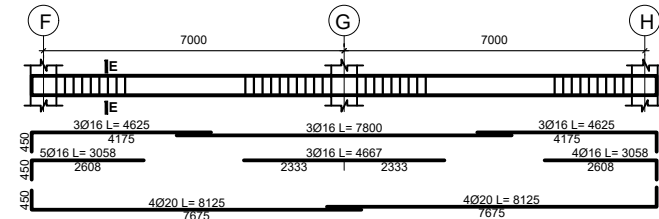
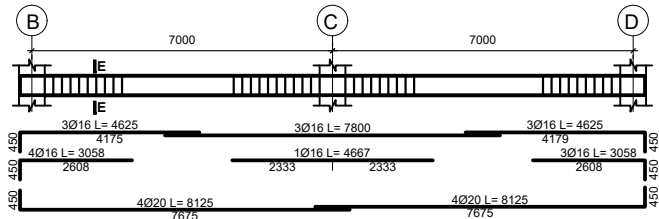
4th FLOOR BEAM (300x500)
Beam on Axis H




4th FLOOR BEAM (300x500)
Beam on Axis I

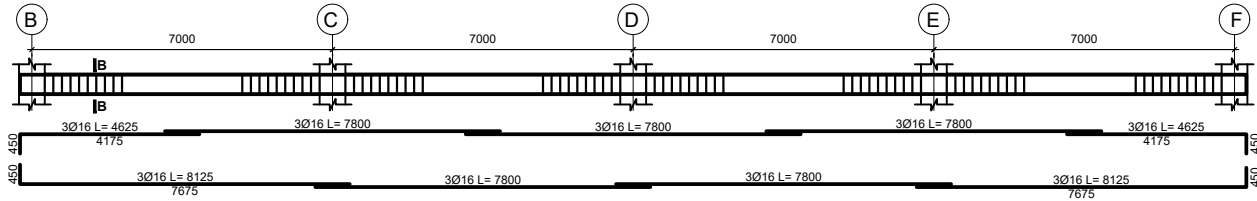


5th to 7th FLOOR BEAM (300x500)
Beam on Axis 5

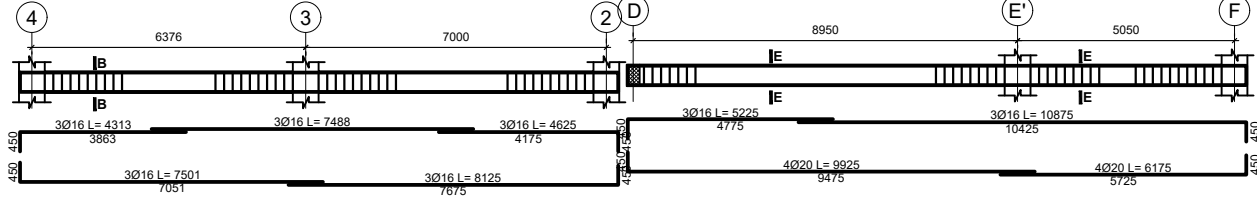


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PROJECT STATUS <input checked="" type="checkbox"/> NEW <input type="checkbox"/> MODIFICATION <input type="checkbox"/> AS-BUILT		
PROJECT TITLE EQA PT PANEL PRODUCTION, BIO-BANK AND CENTRAL WAREHOUSE BUILDING		
Title: STRUCTURAL DRAWING		DRAWING NO ST ST 43/53
Designed by: Engineering Service Directorate - MoH		
Drawn by:		Date: May 2021
Scale: NTS		

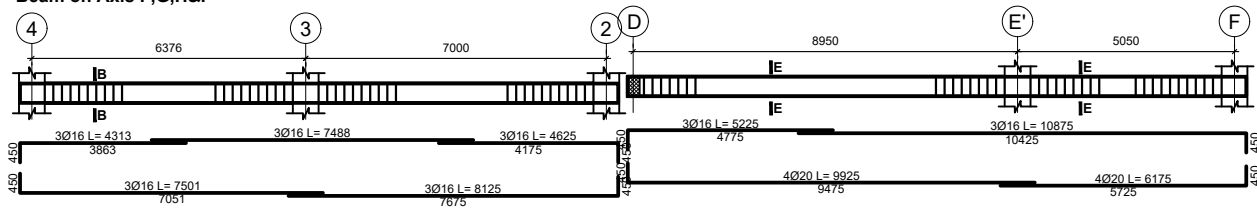
5th FLOOR BEAM (300x500)
Beam on Axis 2&4



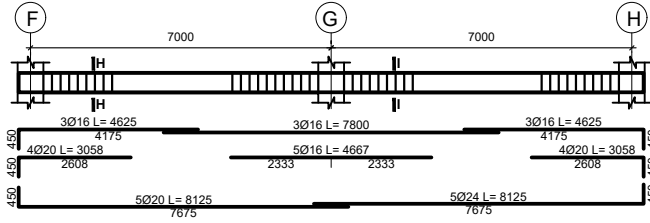
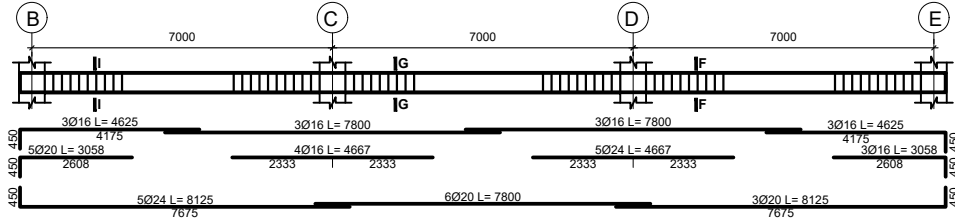
5th FLOOR BEAM (300x500)
Beam on Axis F,G,H&I



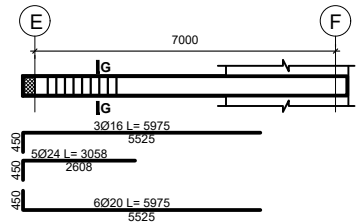
5th to 7th FLOOR BEAM (300x500)
Beam on Axis 5'



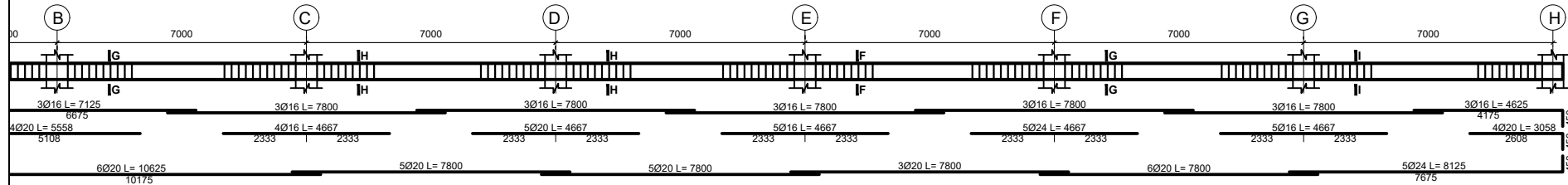
5th to 7th FLOOR BEAM (300x500)
Beam on Axis 6



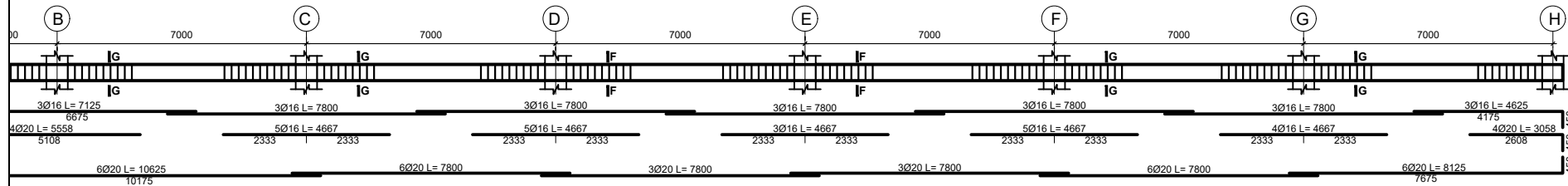
5th to 7th FLOOR BEAM (300x500)
Beam on Axis 6'



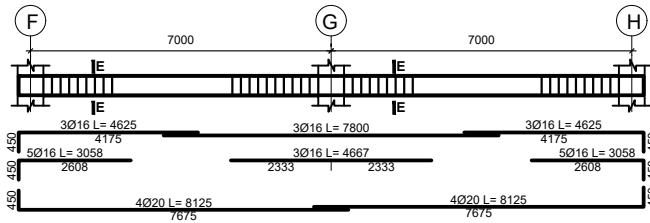
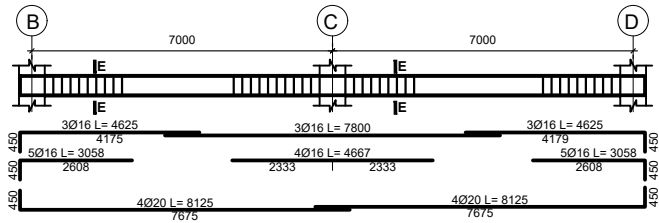
6th FLOOR BEAM (300x500)
Beam on Axis 7



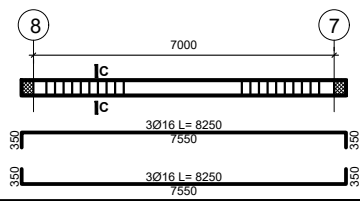
6th FLOOR BEAM (300x500)
Beam on Axis 8




5th to 7th FLOOR BEAM (300x500)
Beam on Axis 9

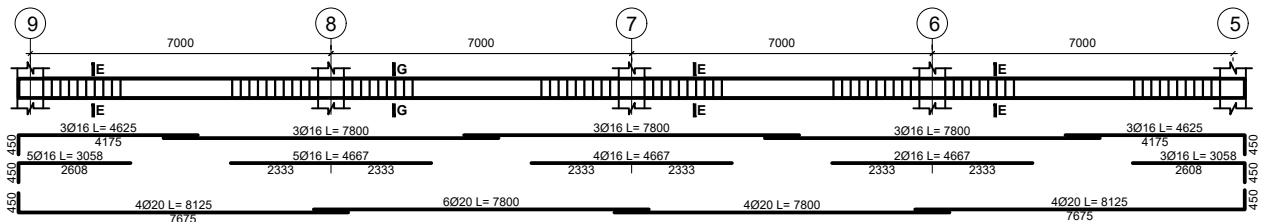


5th to 7th FLOOR BEAM (200x400)
Beam on Axis A'

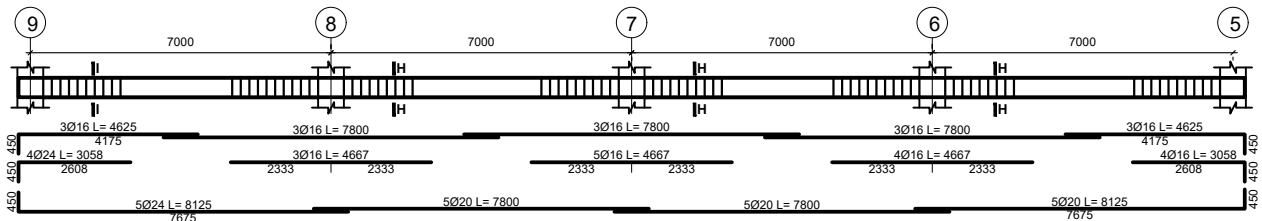


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PROJECT STATUS <input checked="" type="checkbox"/> NEW <input type="checkbox"/> MODIFICATION <input type="checkbox"/> AS-BUILT		
PROJECT TITLE EQA PT PANEL PRODUCTION, BIO-BANK AND CENTRAL WAREHOUSE BUILDING		
Title: STRUCTURAL DRAWING		DRAWING NO. ST
Designed by: Engineering Service Directorate - MoH		ST
Drawn by:		44/53
Scale: NTS	Date: May 2021	

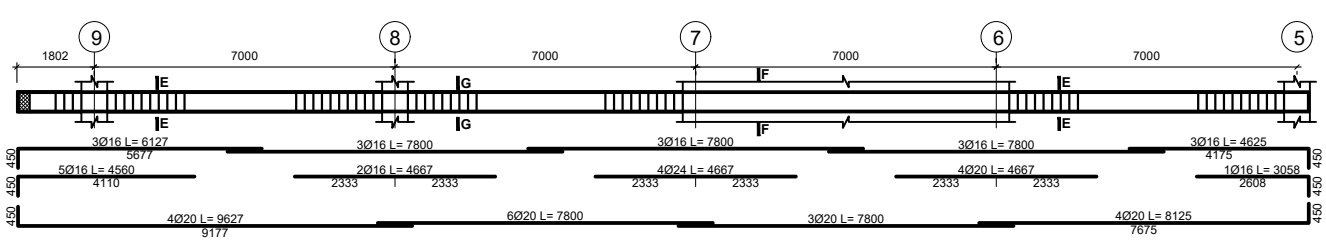
5th to 7th FLOOR BEAM (300x500)
Beam on Axis B



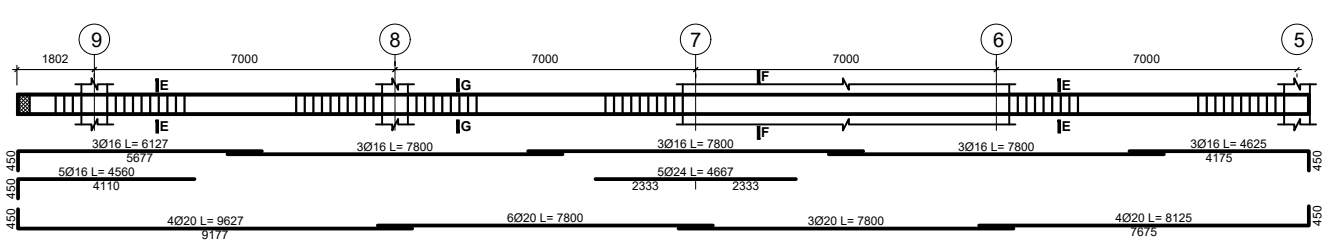
5th to 7th FLOOR BEAM (300x500)
Beam on Axis C



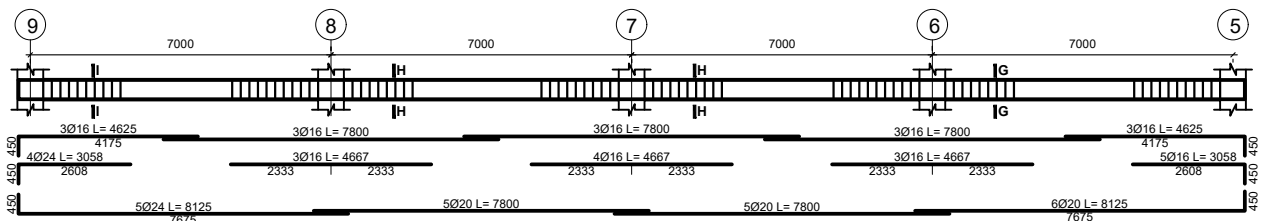
5th to 7th FLOOR BEAM (300x500)
Beam on Axis D



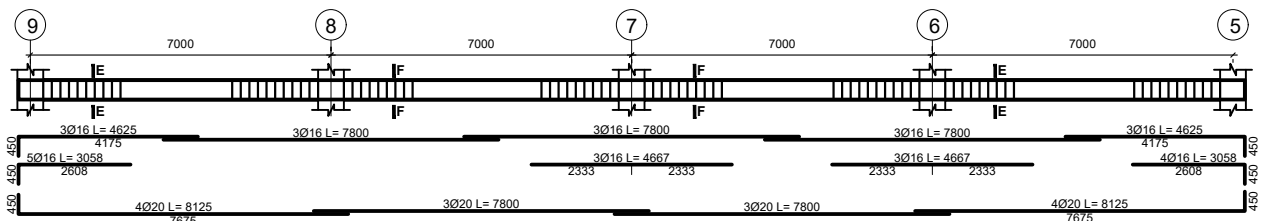
5th to 7th FLOOR BEAM (300x500)
Beam on Axis F



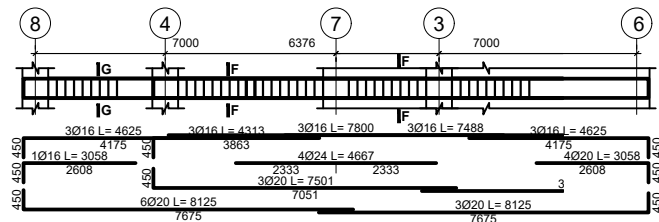
5th to 7th FLOOR BEAM (300x500)
Beam on Axis G



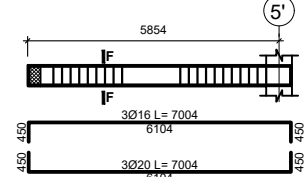
5th to 7th FLOOR BEAM (300x500)
Beam on Axis H



5th to 7th FLOOR BEAM (300x500)
Beam on Axis E

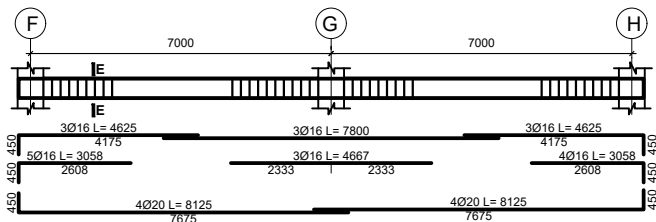
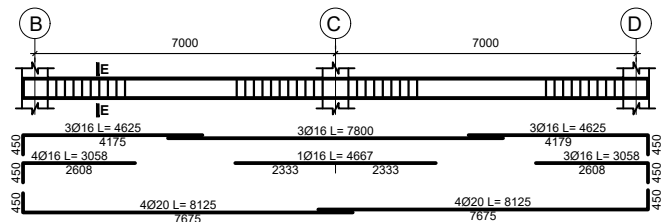


5th to 7th FLOOR BEAM (300x500)
Beam on Axis E'

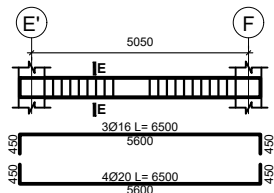


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PROJECT STATUS <input checked="" type="checkbox"/> NEW <input type="checkbox"/> MODIFICATION <input type="checkbox"/> AS-BUILT		
PROJECT TITLE EQA PT PANEL PRODUCTION, BIO-BANK AND CENTRAL WAREHOUSE BUILDING		
Title : STRUCTURAL DRAWING		DRAWING NO ST
Designed by : Engineering Service Directorate - MoH		ST
Drawn by :		45/53
Scale: NTS	Date: May 2021	

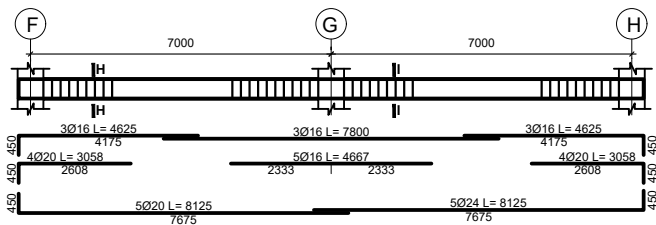
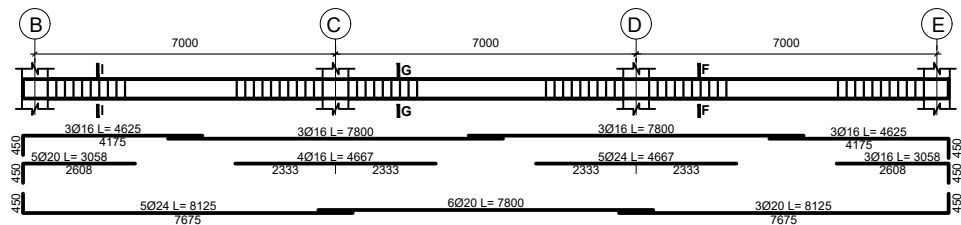
8th FLOOR BEAM (300x500)
Beam on Axis 5



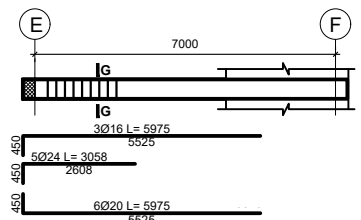
8th FLOOR BEAM (300x500)
Beam on Axis 5'



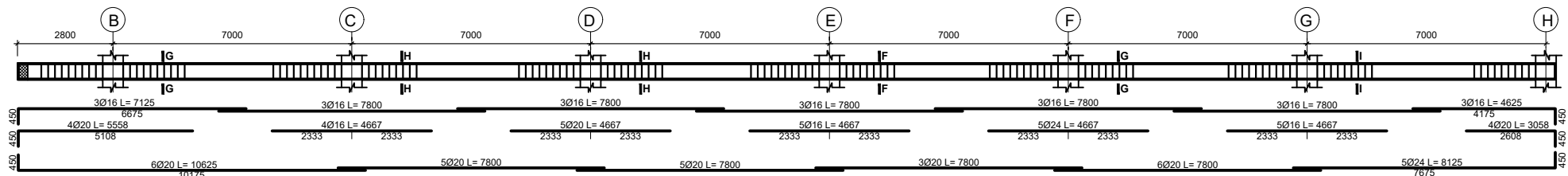
8th FLOOR BEAM (300x500)
Beam on Axis 6



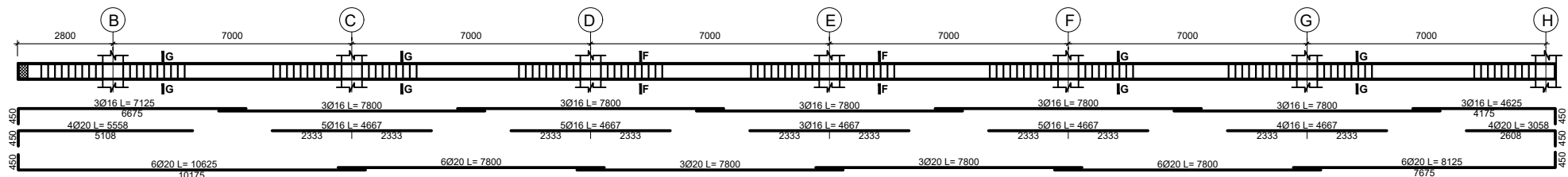
8th FLOOR BEAM (300x500)
Beam on Axis 6'



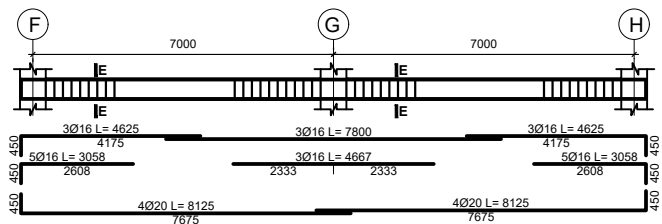
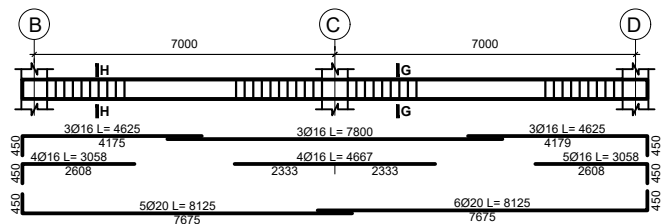
8th FLOOR BEAM (300x500)
Beam on Axis 7




8th FLOOR BEAM (300x500)
Beam on Axis 8

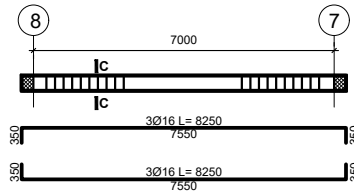


8th FLOOR BEAM (300x500)
Beam on Axis 9

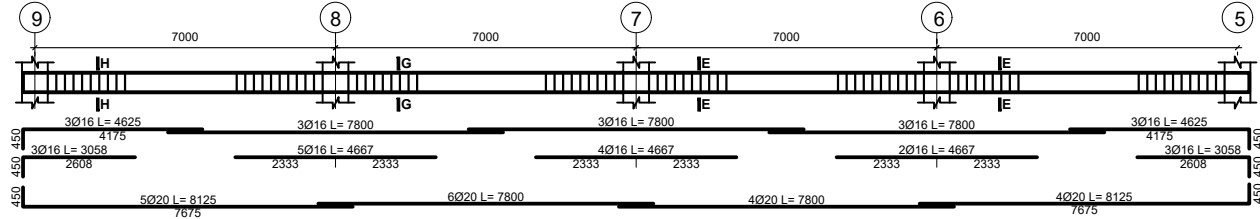


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PROJECT TITLE EQA PT PANEL PRODUCTION, BIO-BANK AND CENTRAL WAREHOUSE BUILDING		
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Designed by: Engineering Service Directorate - MoH		ST
Drawn by:		46/53
Scale: NTS	Date: May 2021	

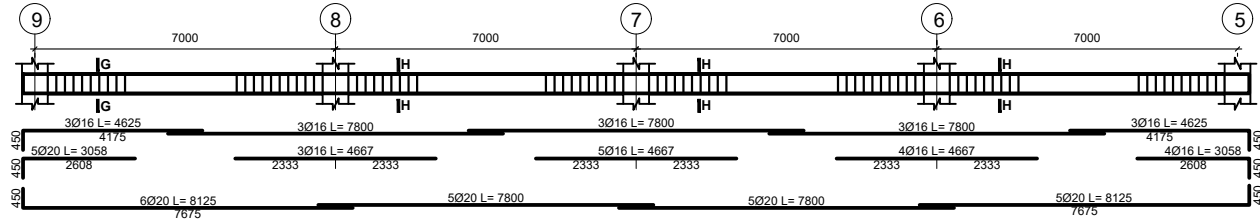
8th FLOOR BEAM (200x400)
Beam on Axis A'



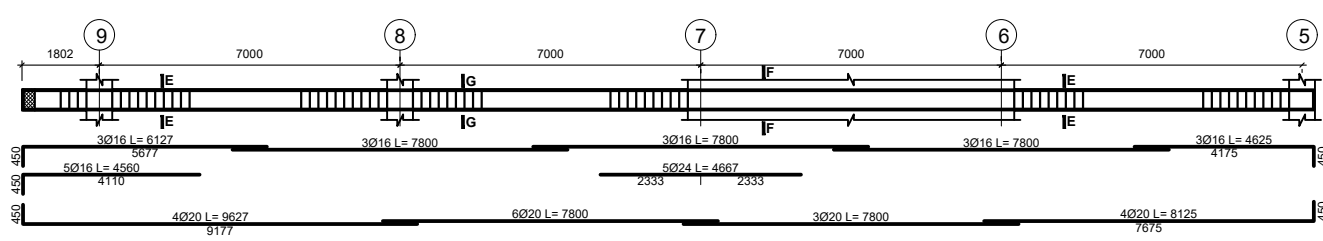
8th FLOOR BEAM (300x500)
Beam on Axis B



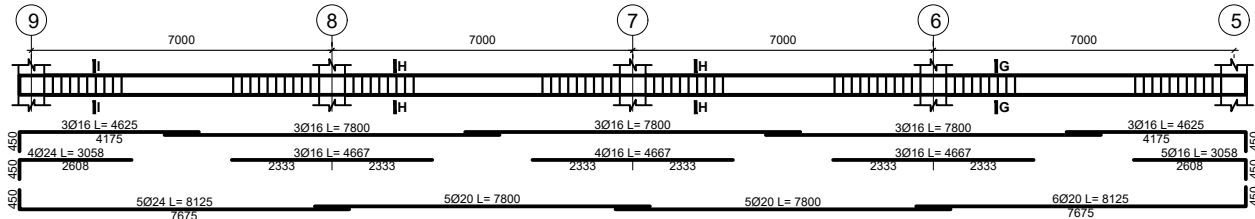
8th FLOOR BEAM (300x500)
Beam on Axis C



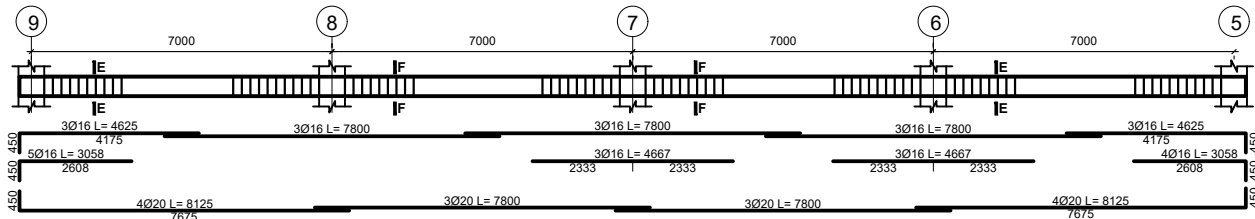
8th FLOOR BEAM (300x500)
Beam on Axis F



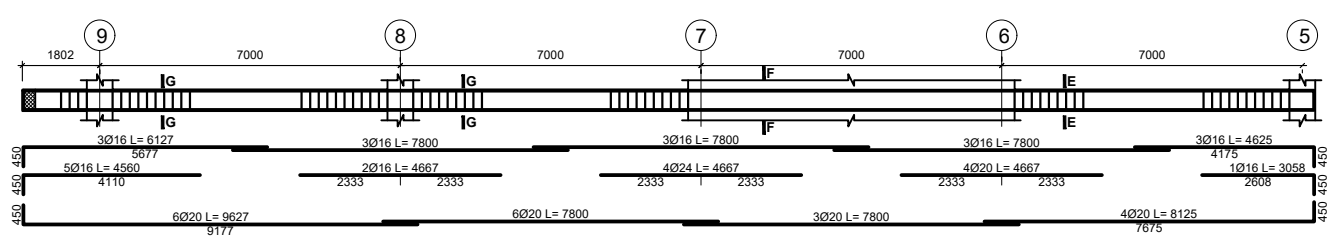
8th FLOOR BEAM (300x500)
Beam on Axis G



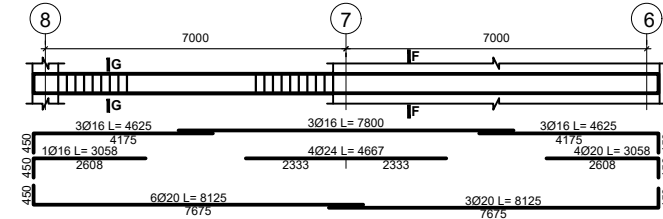
8th FLOOR BEAM (300x500)
Beam on Axis H



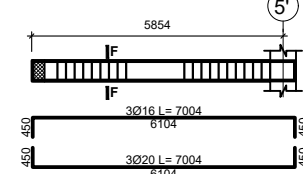
8th FLOOR BEAM (300x500)
Beam on Axis D




8th FLOOR BEAM (300x500)
Beam on Axis E

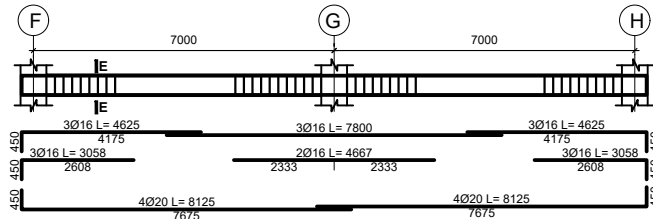
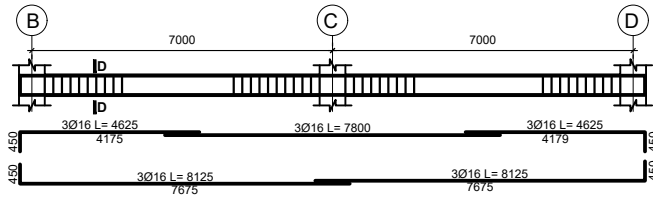


8th FLOOR BEAM (300x500)
Beam on Axis E'

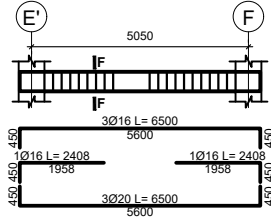


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PROJECT STATUS <input checked="" type="checkbox"/> NEW <input type="checkbox"/> MODIFICATION <input type="checkbox"/> AS-BUILT		
PROJECT TITLE EQA PT PANEL PRODUCTION, BIO-BANK AND CENTRAL WAREHOUSE BUILDING		
Title: STRUCTURAL DRAWING		DRAWING NO ST
Designed by: Engineering Service Directorate - MoH		ST
Drawn by:		47/53
Scale: NTS	Date: May 2021	

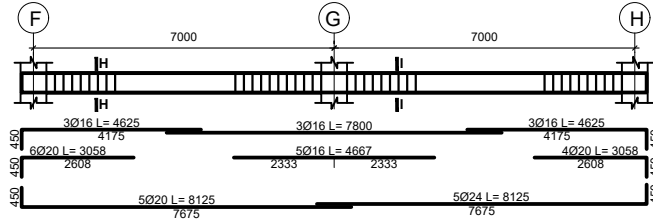
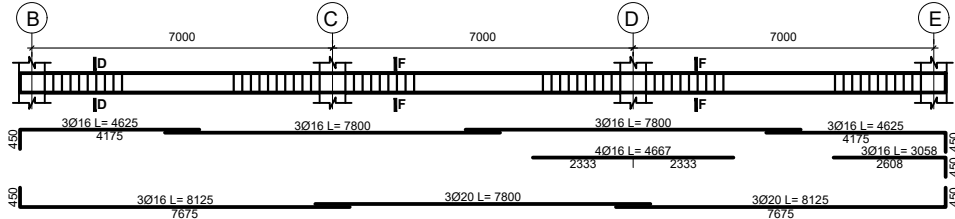
9th FLOOR BEAM (300x500)
Beam on Axis 5



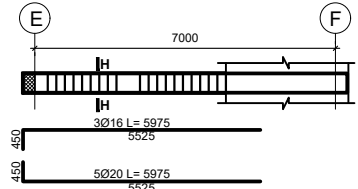
9th FLOOR BEAM (300x500)
Beam on Axis 5'



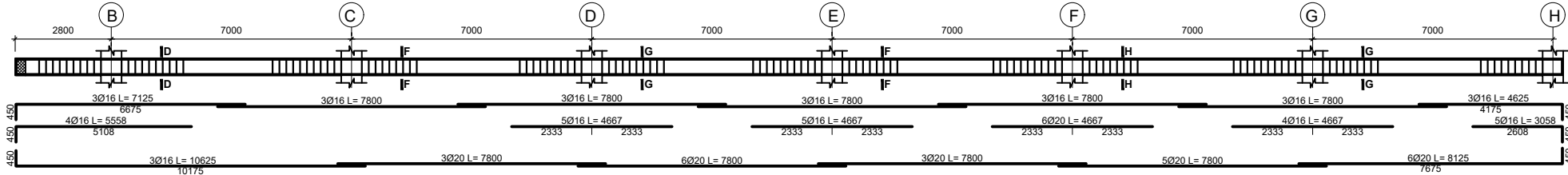
9th FLOOR BEAM (300x500)
Beam on Axis 6



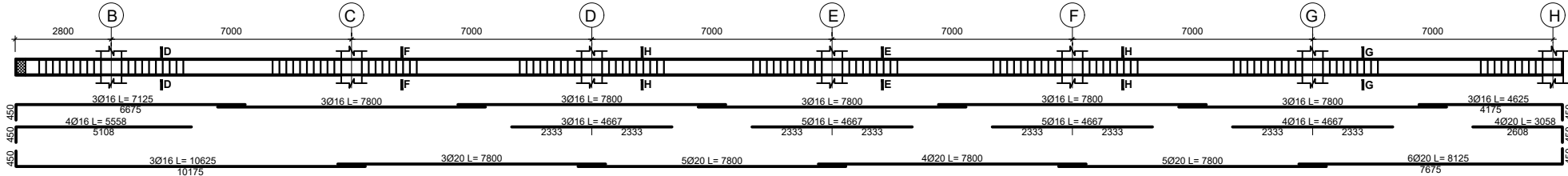
9th FLOOR BEAM (300x500)
Beam on Axis 6'



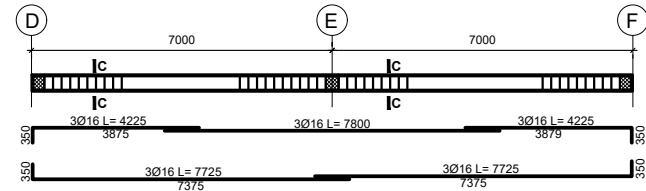
9th FLOOR BEAM (300x500)
Beam on Axis 7



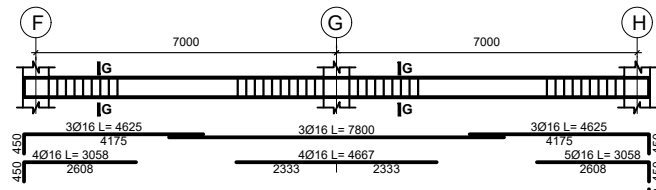
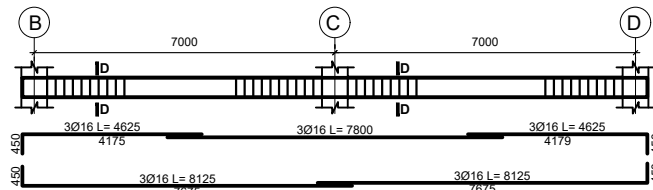
9th FLOOR BEAM (300x500)
Beam on Axis 8




9th FLOOR BEAM (200x400)
Beam on Axis 8'

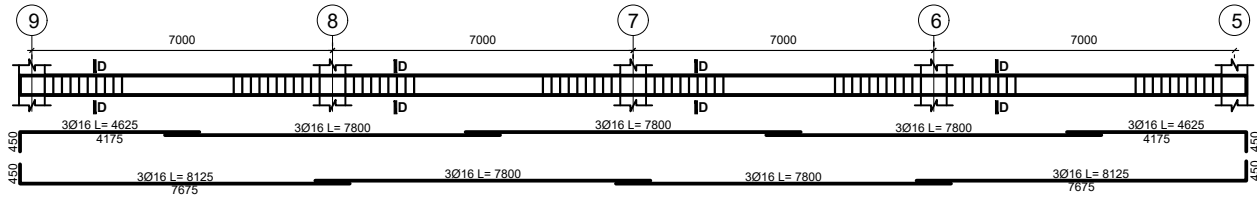


9th FLOOR BEAM (300x500)
Beam on Axis 9

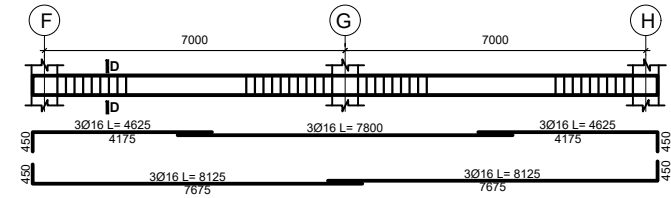


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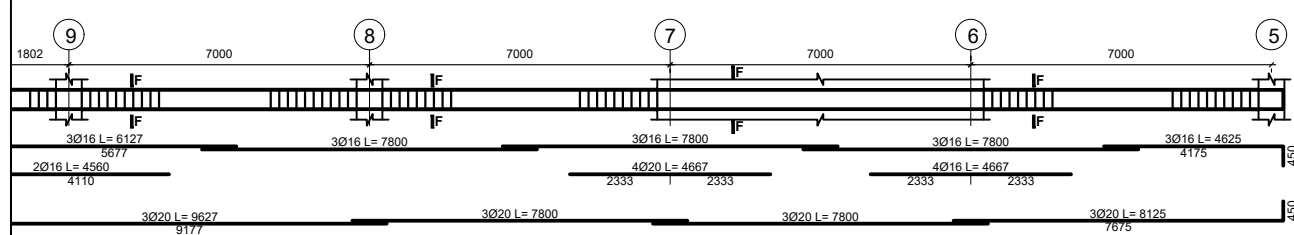
9th FLOOR BEAM (300x500)
Beam on Axis B&C



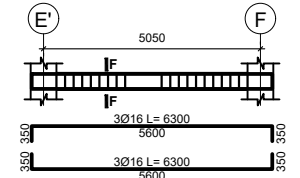
ROOF TOP TIE BEAM (300x500)
Beam on Axis 5



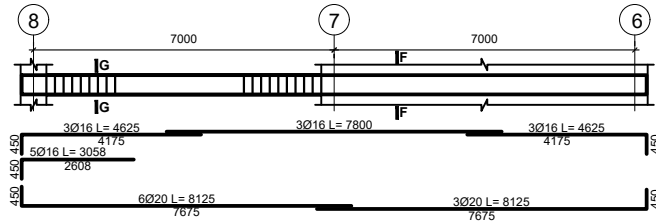
FLOOR BEAM (300x500)
Beam on Axis D



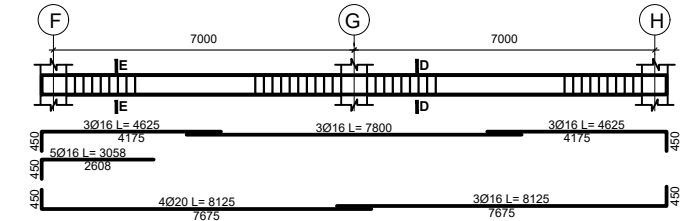
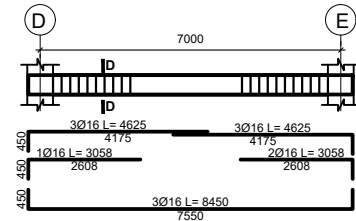
ROOF TOP TIE BEAM (200x400)
Beam on Axis 5'



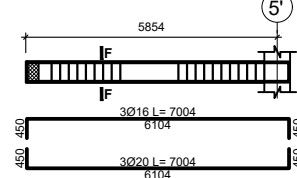
9th FLOOR BEAM (300x500)
Beam on Axis E



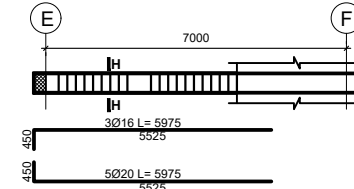
ROOF TOP TIE BEAM (300x500)
Beam on Axis 6



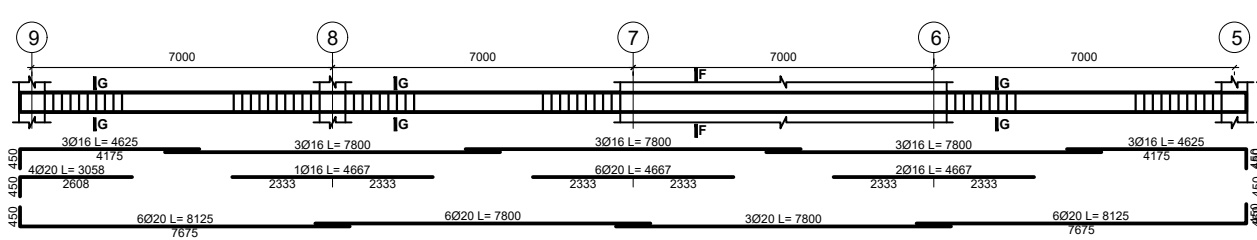
9th FLOOR BEAM (300x500)
Beam on Axis E'



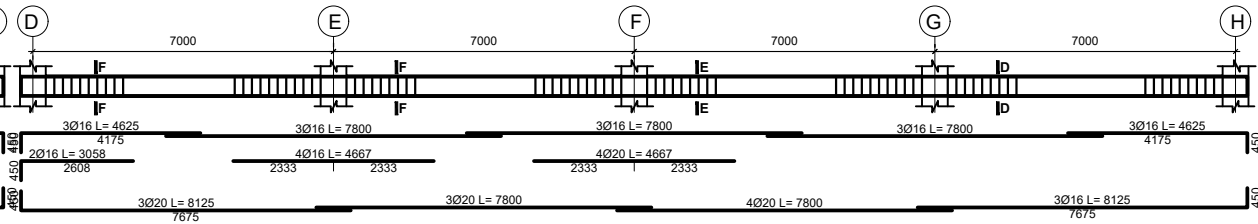
ROOF TOP TIE BEAM (300x500)
Beam on Axis 6'



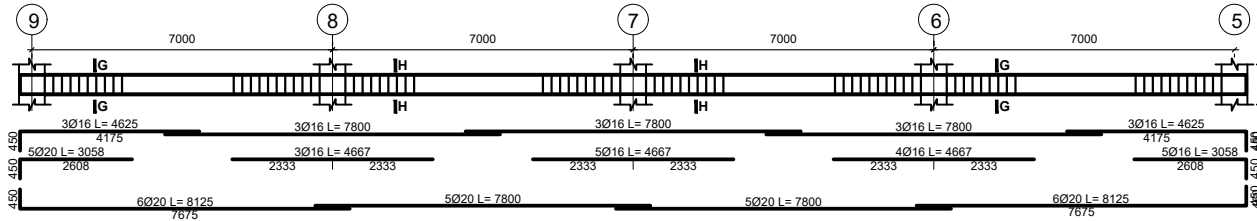
9th FLOOR BEAM (300x500)
Beam on Axis F



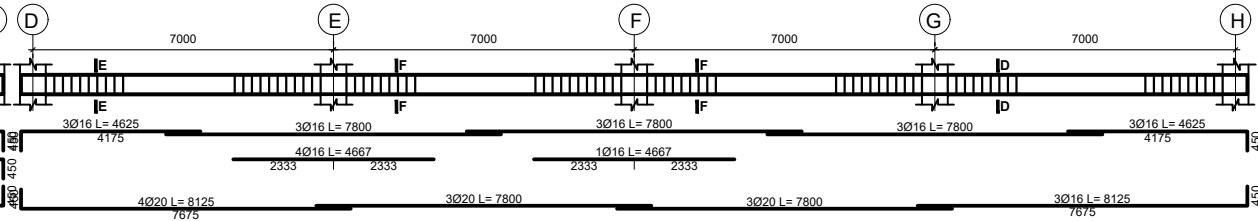
ROOF TOP TIE BEAM (300x500)
Beam on Axis 7



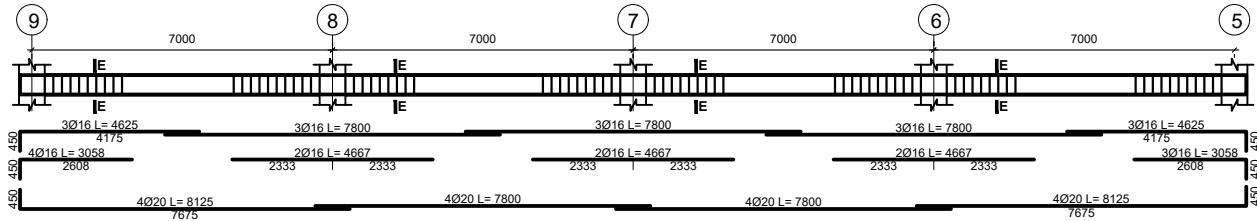
9th FLOOR BEAM (300x500)
Beam on Axis G



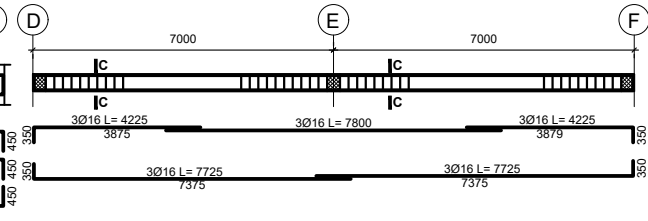
ROOF TOP TIE BEAM (300x500)
Beam on Axis 8




9th FLOOR BEAM (300x500)
Beam on Axis H

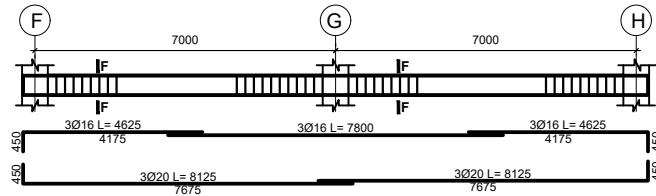


ROOF TOP TIE BEAM (200x400)
Beam on Axis 8'

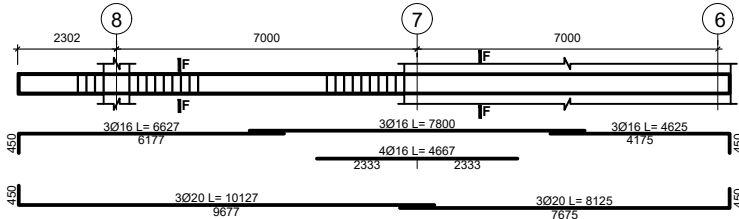


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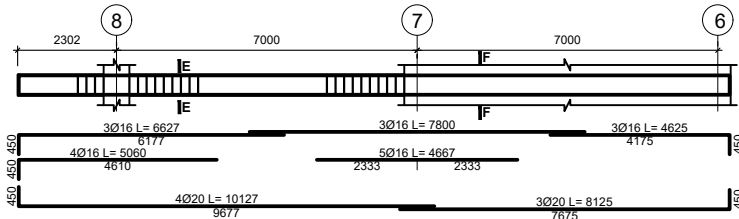
ROOF TOP TIE BEAM (300x500)
Beam on Axis 9



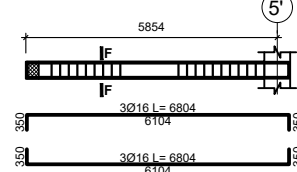
ROOF TOP TIE BEAM (300x500)
Beam on Axis D



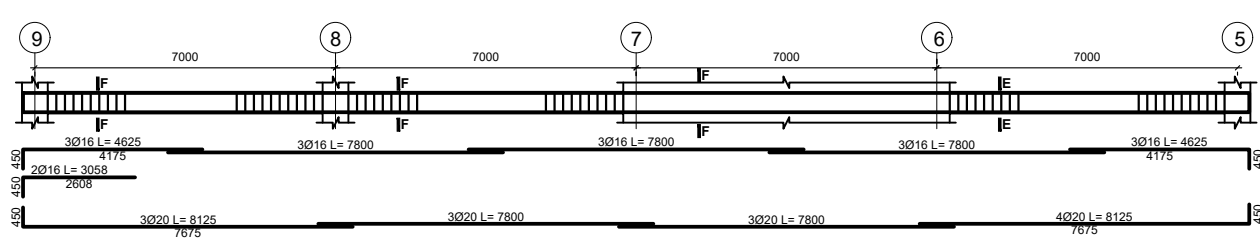
ROOF TOP TIE BEAM (300x500)
Beam on Axis E



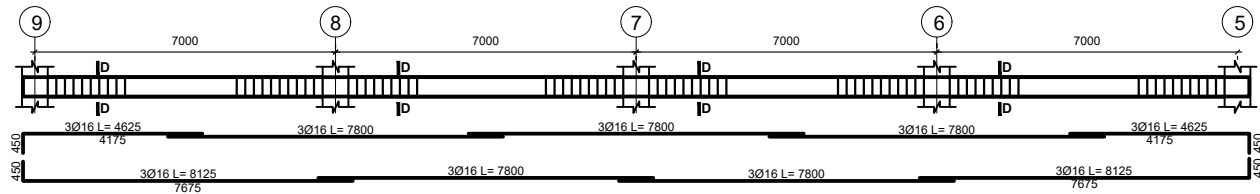
ROOF TOP TIE BEAM (200x400)
Beam on Axis E'



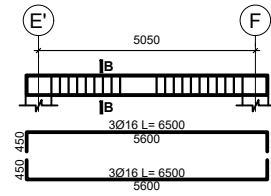
ROOF TOP TIE BEAM (300x500)
Beam on Axis F



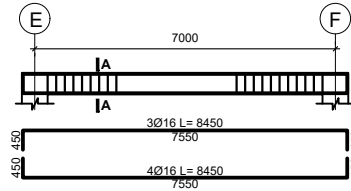
ROOF TOP TIE BEAM (300x500)
Beam on Axis G



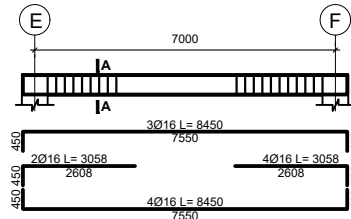
TOP TIE BEAM (300x500)
Beam on Axis 5'



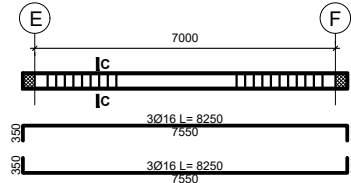
TOP TIE BEAM (300x500)
Beam on Axis 6



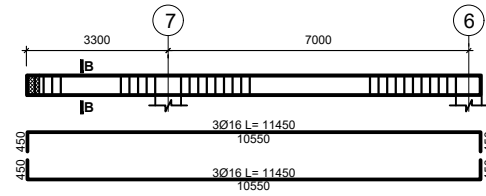
TOP TIE BEAM (300x500)
Beam on Axis 7



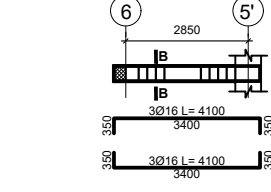
TOP TIE BEAM (200x400)
Beam on Axis 7'



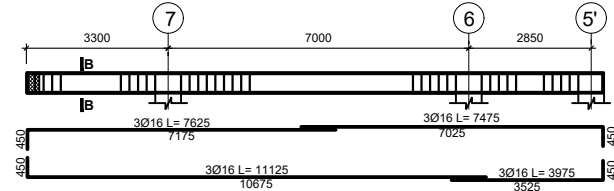
TOP TIE BEAM (300x500)
Beam on Axis E




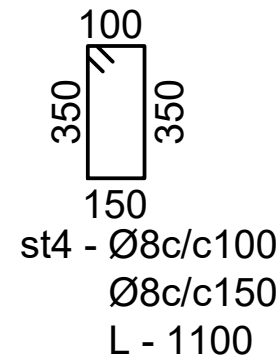
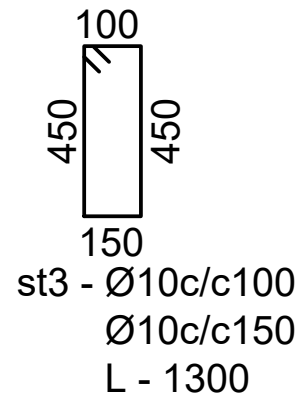
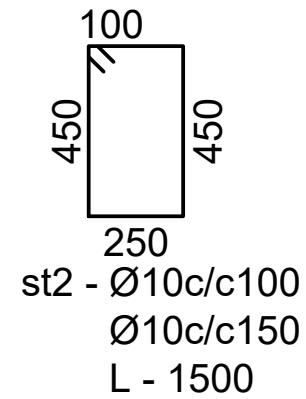
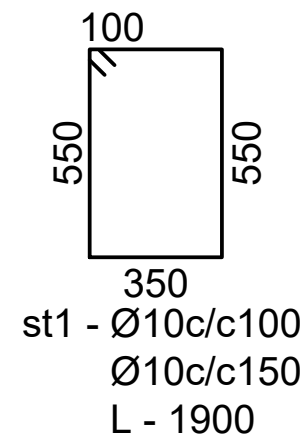
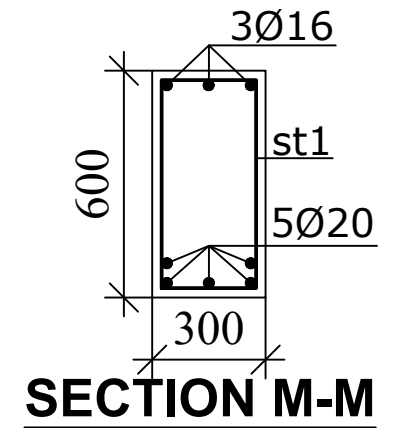
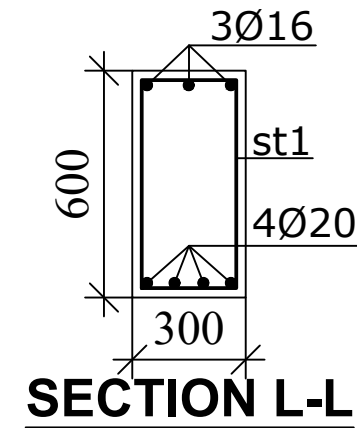
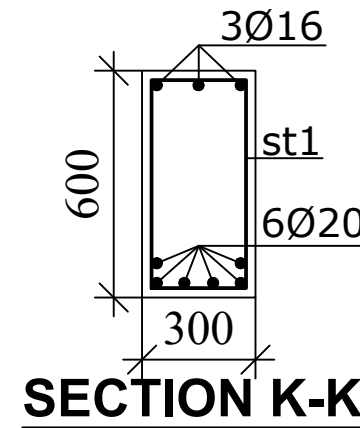
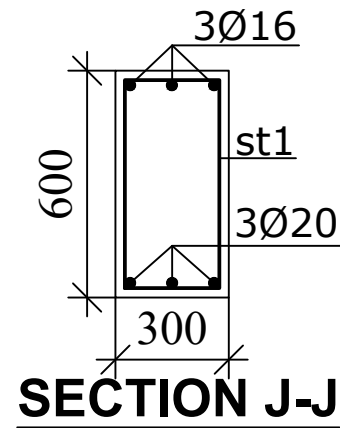
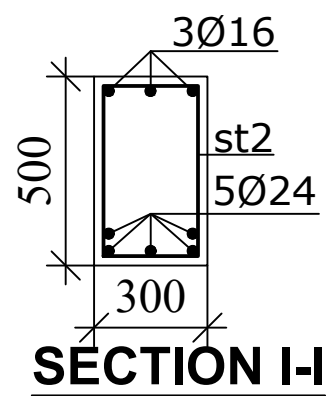
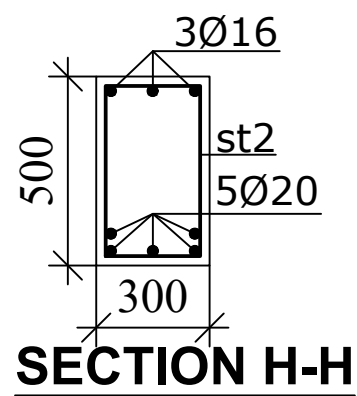
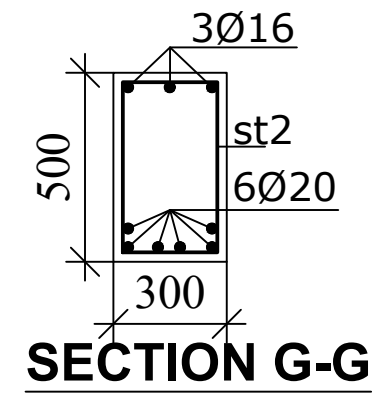
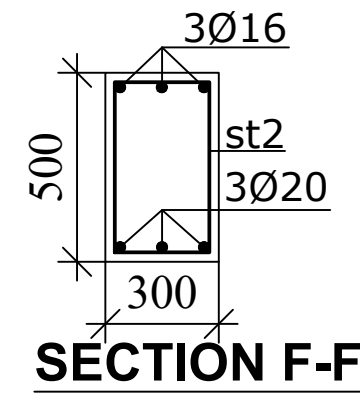
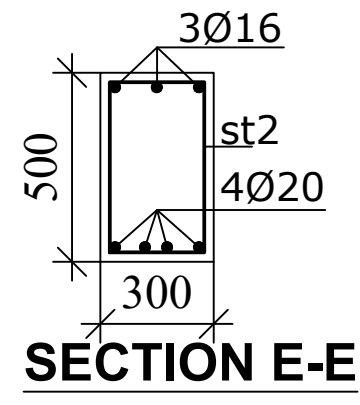
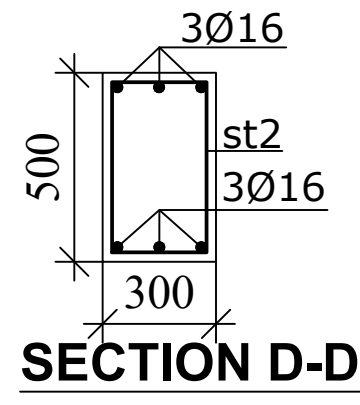
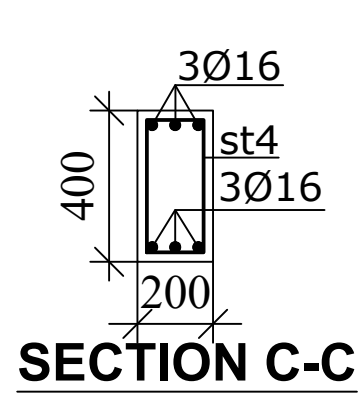
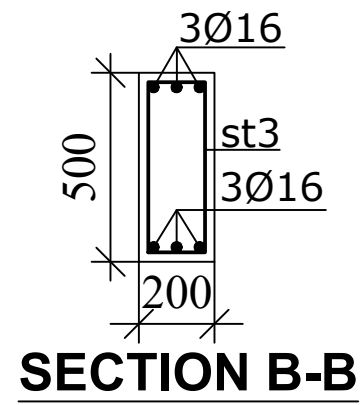
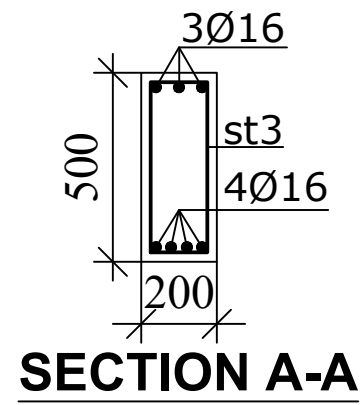
ROOF TOP TIE BEAM (200x400)
Beam on Axis E'



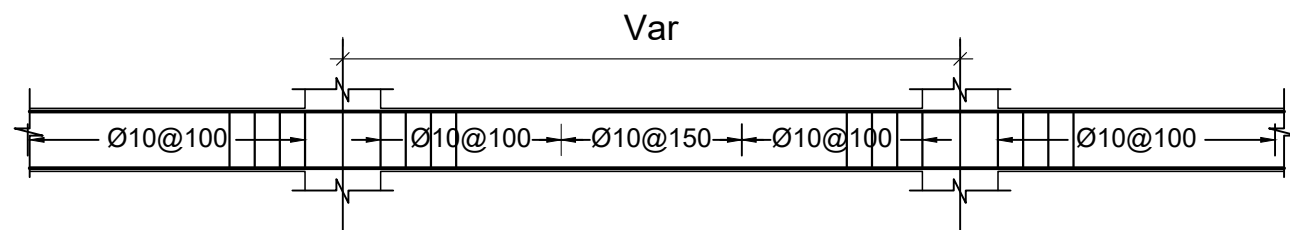
TOP TIE BEAM (300x500)
Beam on Axis F




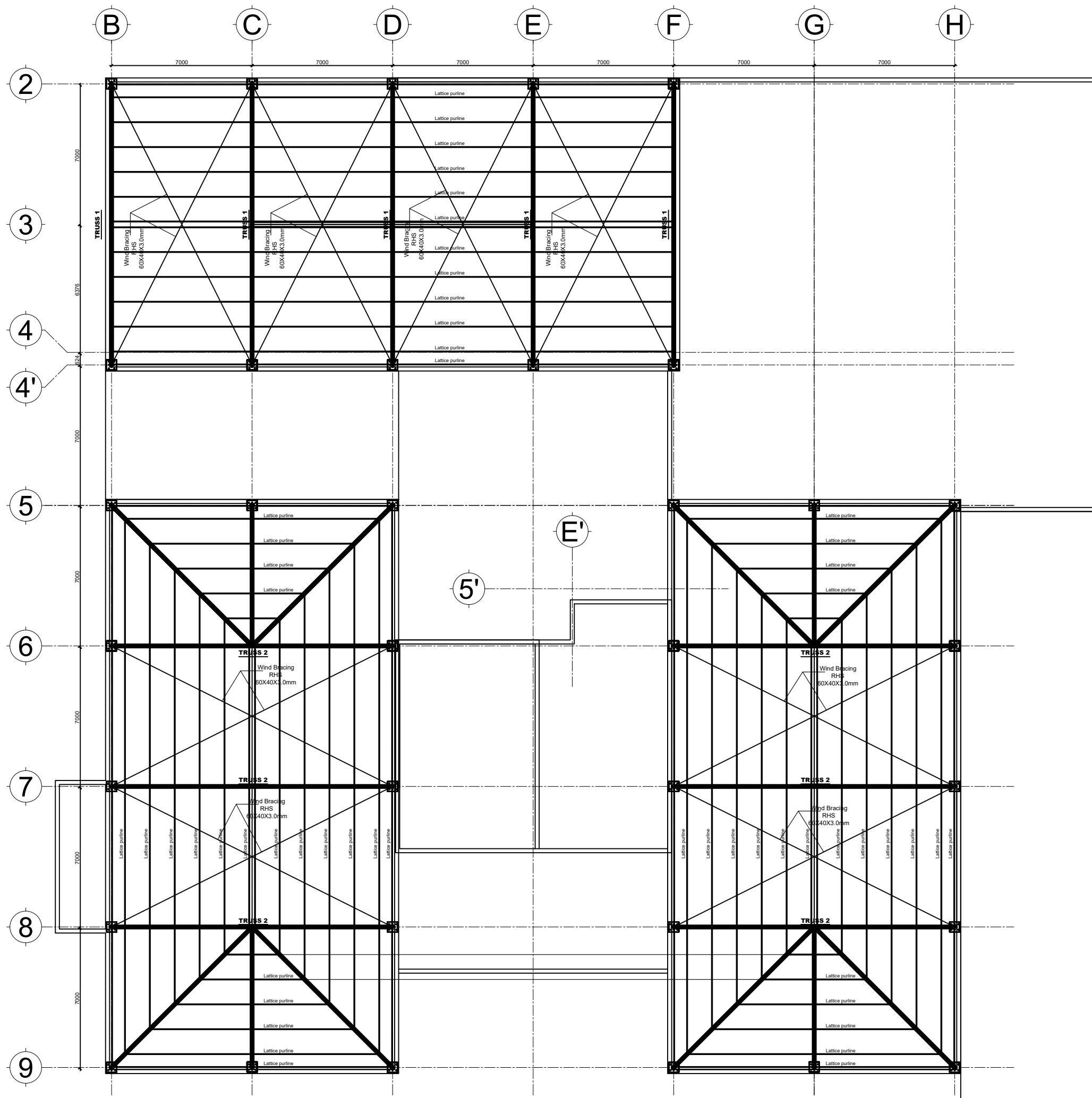
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PROJECT TITLE EQA PT PANEL PRODUCTION, BIO-BANK AND CENTRAL WAREHOUSE BUILDING		
Title : STRUCTURAL DRAWING		DRAWING NO ST ST 50/53
Designed by : Engineering Service Directorate - MoH		
Drawn by :		Date: May 2021
Scale: NTS		Date: May 2021



TYPICAL BEAM STIRRUP DETAIL



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<input checked="" type="checkbox"/> NEW	<input type="checkbox"/> MODIFICATION	<input type="checkbox"/> AS-BUILT
PROJECT TITLE		
EQA PT PANEL PRODUCTION, BIO-BANK AND CENTRAL WAREHOUSE BUILDING		
Title:	STRUCTURAL DRAWIN	DRAWING NO.
Designed by:	Engineering Service Directorate - MoH	ST
Drawn by:		ST
Scale:	NTS	Date: May 2021
		51/53




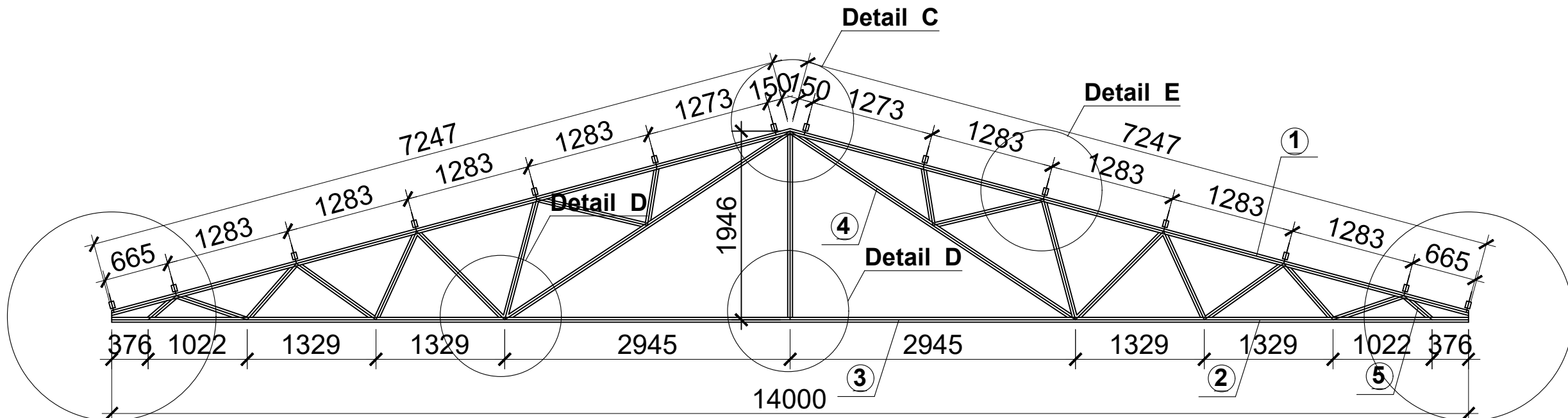
ROOF ,TRUSS & BEAM LAYOUT

TRUSS SECTION 1

TRUSS MEMBER	PURLIN AT 1375 CENTERES
1.	50X60X3.2
2.	60X60X3.2
3.	80X40X3.2
4.	50X30X3.2
5.	30X30X3.2
Unnumbered	30X30X3.2

**WIDER FACE OF RHS TO BE IN HORIZONTAL PLANE
X DENOTES LONGITUDINAL TIE**

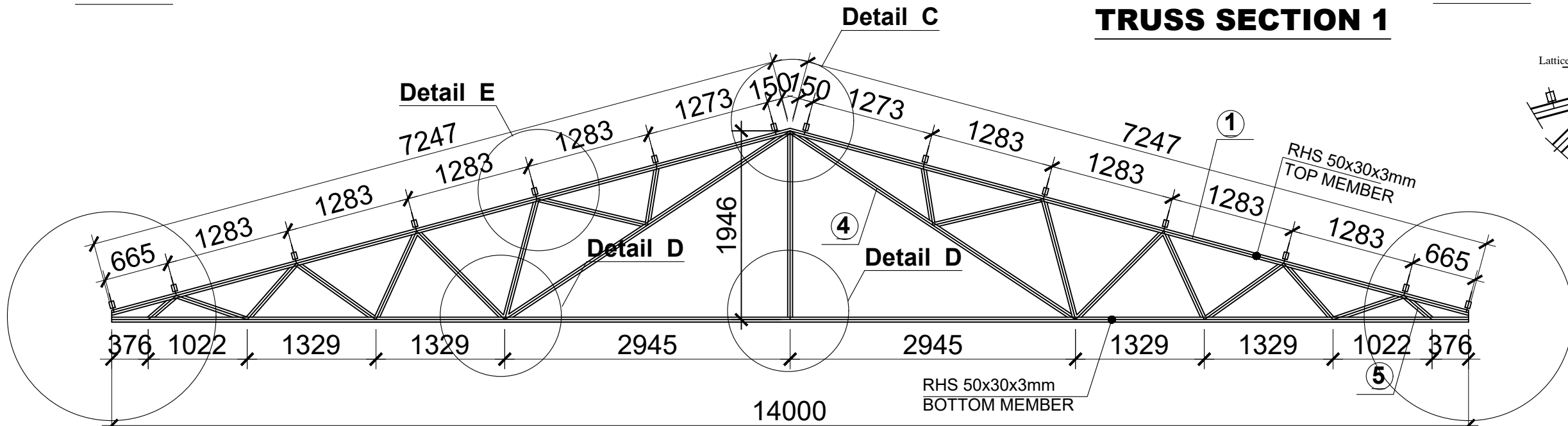
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PROJECT STATUS		
<input checked="" type="checkbox"/> NEW	<input type="checkbox"/> MODIFICATION	<input type="checkbox"/> AS-BUILT
PROJECT TITLE		
EQA PT PANEL PRODUCTION, BIO-BANK AND CENTRAL WAREHOUSE BUILDING		
Title :	STRUCTURAL DRAWIN	DRAWING NO
Designed by :	Engineering Service Directorate - MoH	ST
Drawn by :		ST
Scale: NTS	Date: May 2021	52/53



Detail A

Detail B

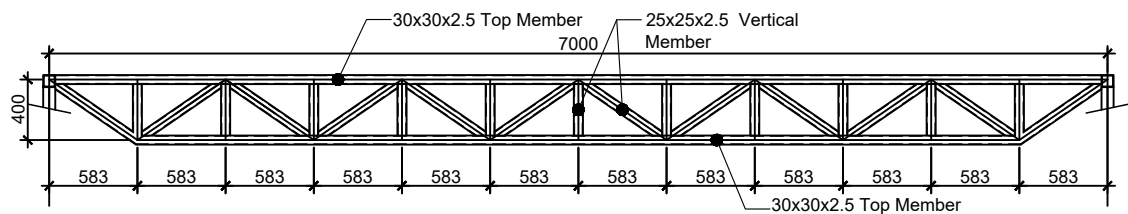
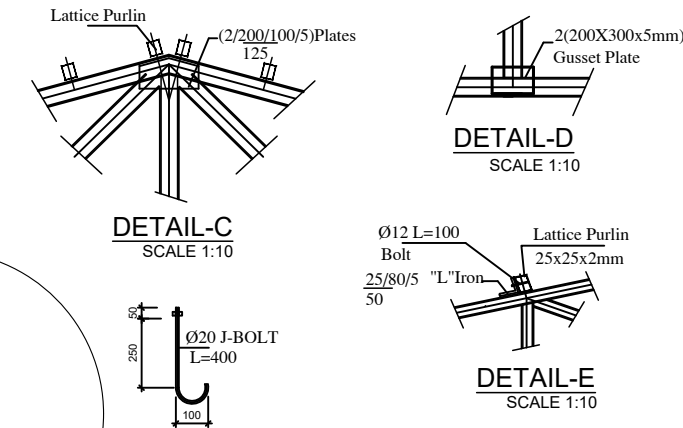
TRUSS SECTION 1



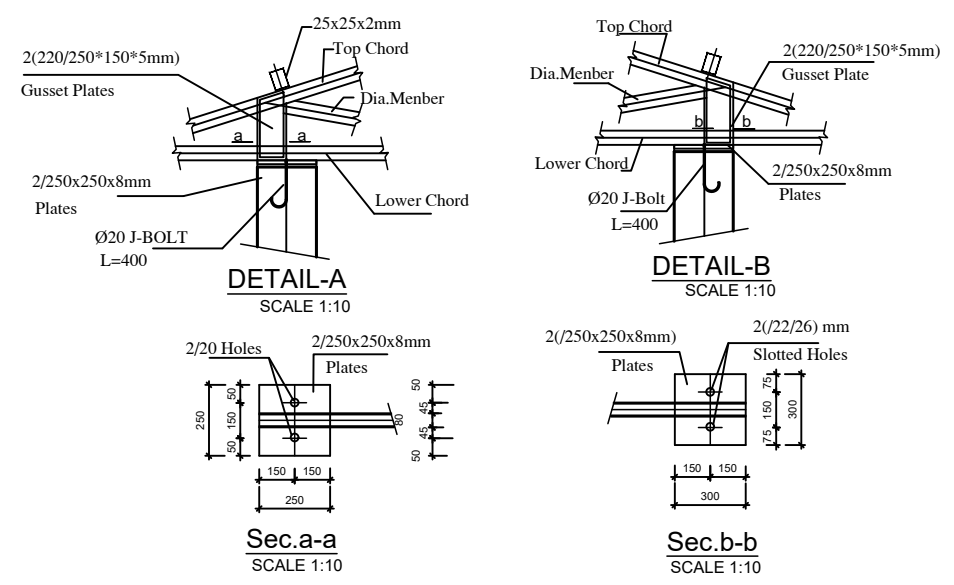
Detail A

Detail B

TRUSS SECTION 2



Typical Lattice Purlin Section
SC 1:30



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PROJECT STATUS		
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PROJECT TITLE		
EQA PT PANEL PRODUCTION, BIO-BANK AND CENTRAL WAREHOUSE BUILDING		
Title:	DRAWING NO	
STRUCTURAL DRAWING	ST	
Designed by:	Engineering Service Directorate - MoH	
Drawn by:		
Scale: NTS	Date: May 2021	ST 53/53