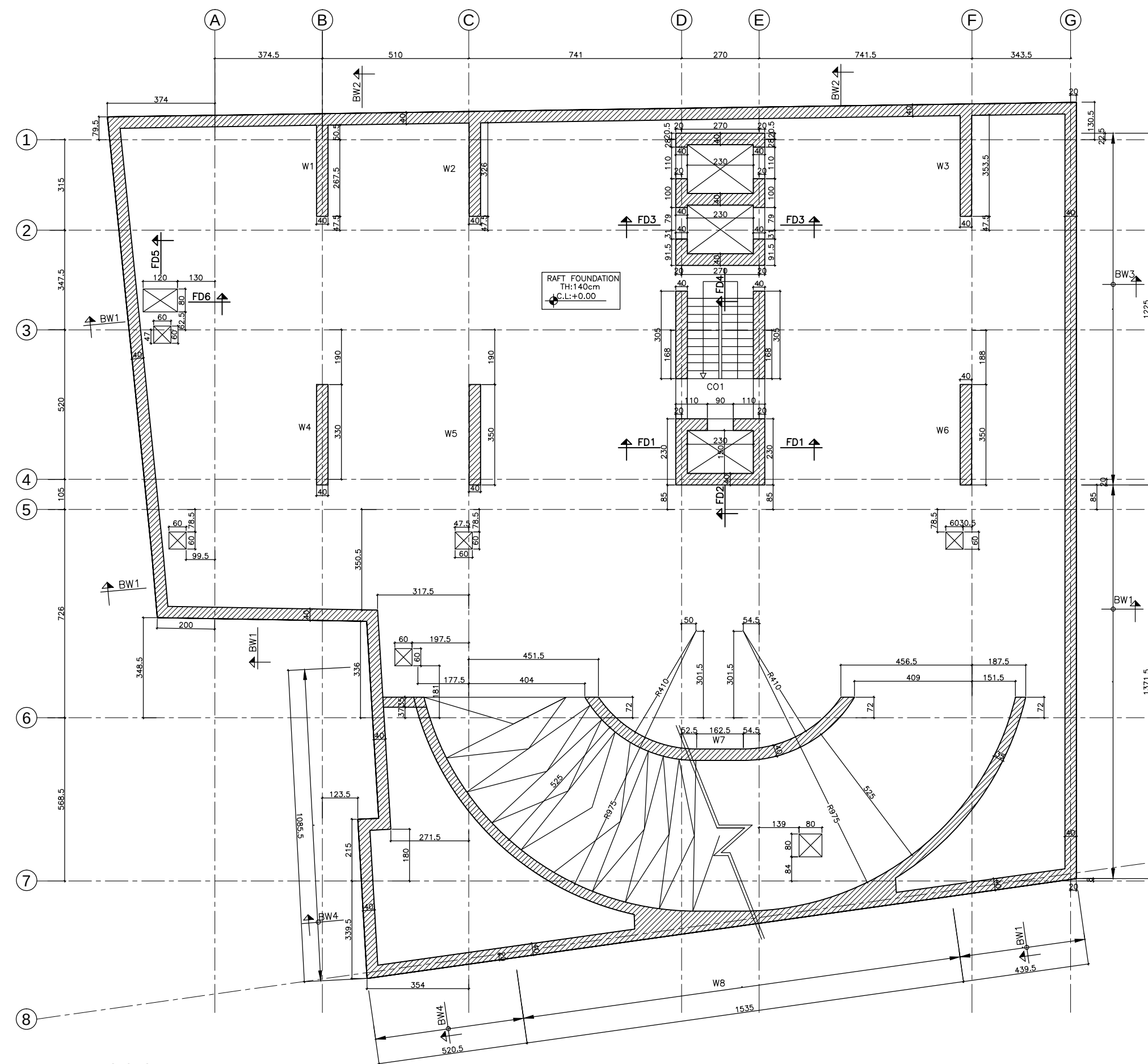
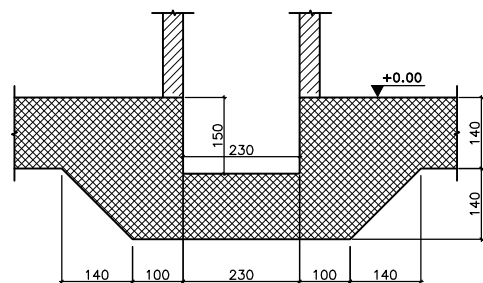
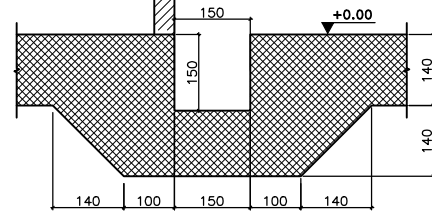




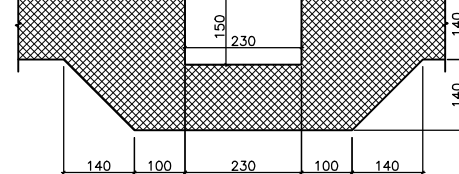
SECTION FD1
SC 1/100



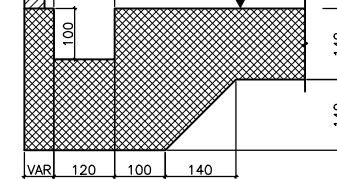
SECTION FD2
SC 1/100



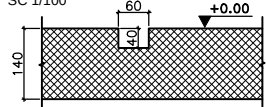
SECTION FD3
SC 1/100



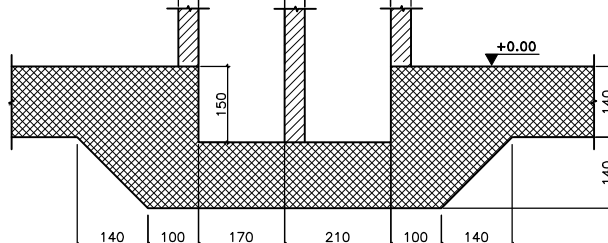
SECTION FD6
SC 1/100



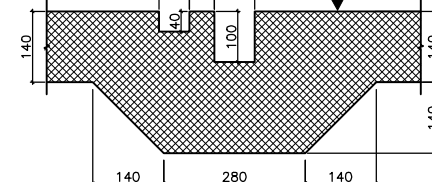
TYPICAL SECTIONS
ON MANHOLES
SC 1/100



SECTION FD4
SC 1/100



SECTION FD5
SC 1/100



GENERAL NOTES:

BASIS OF DESIGN:

1- REINFORCED CONCRETE:

FOR R.C ELEMENTS USE:
* $f_c=45$ MPa. FOR COLUMNS , BASEMENT WALLS,
SHEAR WALLS & RAFT FOUNDATION
* $f_c=35$ MPa. FOR OTHERS (SLABS,RAMPS,BEAMS,ETC...)
* $f_c=14$ MPa. FOR BLINDING
MINIMUM CEMENT CONTENT:350Kg/m3

CONCRETE PROTECTIVE COVER FOR ANY
REINFORCEMENT SHALL BE AS FOLLOWS:

a-SLABS,RIBS,FLAT BEAMS AND WALLS NOT
EXPOSED TO EARTH OR WEATHER: 4 cm.
b-FAIRFACED CONCRETE EXPOSED
TO WEATHER: 4 cm.
c-DROP BEAMS AND COLUMNS: 4 cm.
d-FOUNDATIONS: 7 cm. top face
10 cm. bottom face
5 cm. internal face
10 cm. external face
e-BASEMENTS WALLS:

2- REINFORCEMENTS:

* YIELDING STRESS OF MILD STEEL:
 $f_y=240$ MPa.
* YIELDING STRESS OF HIGH TENSILE STEEL:
 $F_y=500$ MPa.

LEGEND:

F.L: FINISHED FLOOR LEVEL.
C.L: CONCRETE LEVEL.

- STRUCTURAL COLUMN OR WALL TO CONTINUE.
- STRUCTURAL COLUMN OR WALL TO START.
- STRUCTURAL COLUMN OR WALL TO STOP.
- ARCHITECTURAL COLUMN OR WALL.
- SUNKEN SLAB.

BUREAU D'ETUDES
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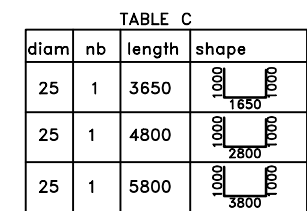
PROJECT:
DOGHMOSH LOT38

PHASE: Shop Drawing

DRAWING NUMBER & TITLE: DGM-S-SD-201

RAFT FRAMING PLAN

Dwg. Reference: C101-FOPL-RAFO		Revision Number : 0
Format A1	Scale 1/100	Revision Issue Date : 24-12-2012



Dwg. Reference: C201-REPL-RAFO		Revision Number : 0
Format	Scale	Revision Issue Date : 24-12-2012
A1	1/100	

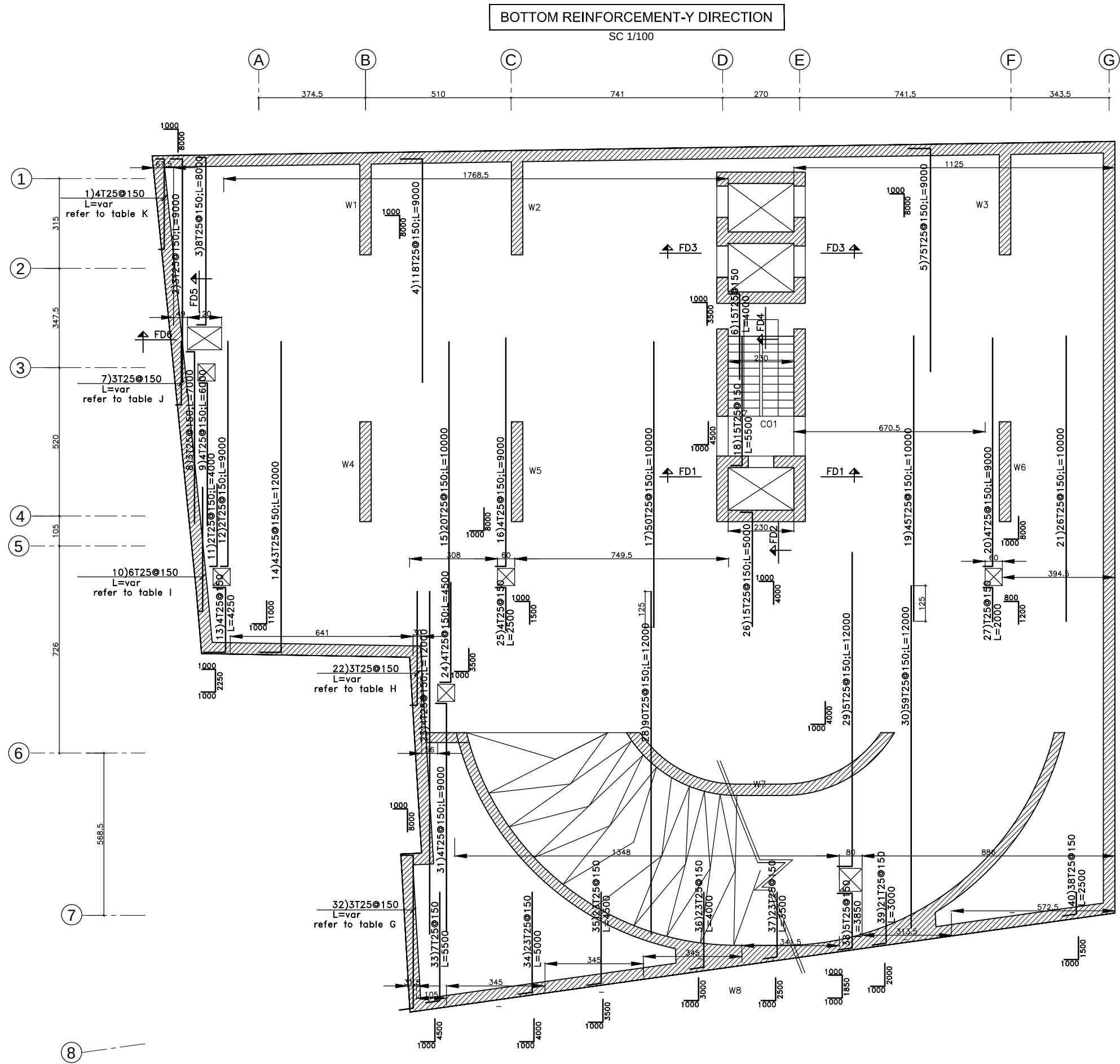


TABLE G

diam	nb	length	shape
25	1	5000	
25	2	7500	

TABLE H

diam	nb	length	shape
25	1	5500	
25	1	8000	

TABLE I

diam	nb	length	shape
25	1	1500	
25	1	3500	
25	4	5000	

TABLE J

diam	nb	length	shape
25	1	2500	
25	1	4000	
25	1	5500	

TABLE K

diam	nb	length	shape
25	1	2500	
25	1	5000	
25	1	6500	
25	1	8000	

GENERAL NOTES:

BASIS OF DESIGN:

1- REINFORCED CONCRETE:

FOR R.C ELEMENTS USE:

- * $f_c=45$ MPa. FOR COLUMNS , BASEMENT WALLS, SHEAR WALLS & RAFT FOUNDATION
- * $f_c=35$ MPa. FOR OTHERS (SLABS,RAMPS,BEAMS,ETC...)
- * $f_c=14$ MPa. FOR BLINDING
- MINIMUM CEMENT CONTENT:350Kg/m3

CONCRETE PROTECTIVE COVER FOR ANY REINFORCEMENT SHALL BE AS FOLLOWS:

- a-SLABS,RIBS,FLAT BEAMS AND WALLS NOT EXPOSED TO EARTH OR WEATHER: 4 cm.
- b-FAIRFACED CONCRETE EXPOSED TO WEATHER: 4 cm.
- c-DROP BEAMS AND COLUMNS: 4 cm.
- d-FOUNDATIONS: 7 cm. top face
10 cm. bottom face
- e-BASEMENTS WALLS: 5 cm. internal face
10 cm. external face

2- REINFORCEMENTS:

- * YIELDING STRESS OF MILD STEEL:
 $f_y=240$ MPa.
- * YIELDING STRESS OF HIGH TENSILE STEEL:
 $F_y=500$ MPa.

LEGEND:

- F.L: FINISHED FLOOR LEVEL.
- C.L: CONCRETE LEVEL.

- STRUCTURAL COLUMN OR WALL TO CONTINUE.
- STRUCTURAL COLUMN OR WALL TO START.
- STRUCTURAL COLUMN OR WALL TO STOP.
- ARCHITECTURAL COLUMN OR WALL.
- SUNKEN SLAB.

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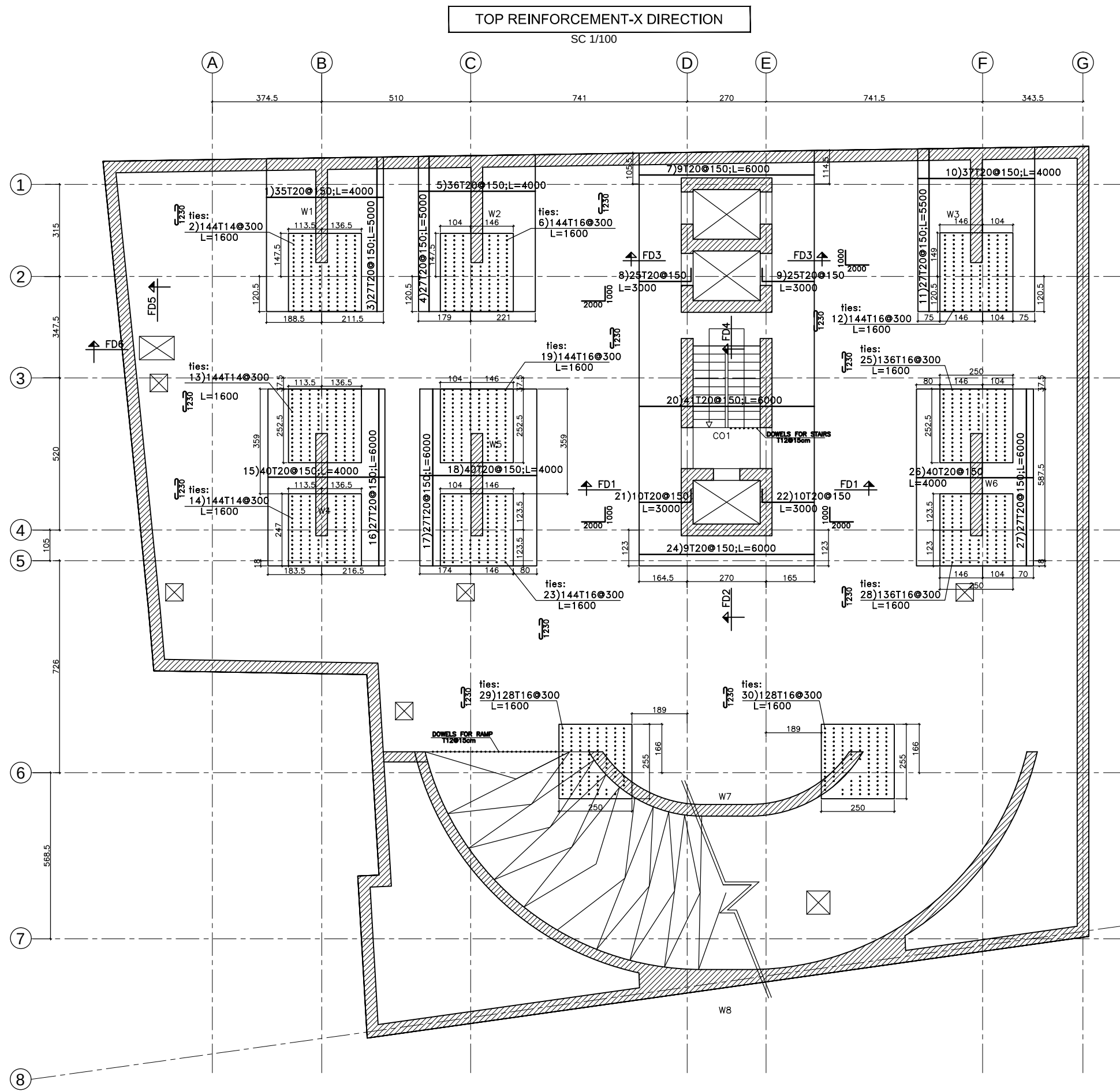
PROJECT:
DOGHMOSH LOT38

PHASE: Shop Drawing

DRAWING NUMBER & TITLE: DGM-S-SD-501B

RAFT FOUNDATION
BOTTOM REINFORCEMENT
Y DIRECTION (2/6)

Dwg. Reference: C201-REPL-RAFO		Revision Number : 0
Format A1	Scale 1/100	Revision Issue Date : 24-12-2012



GENERAL NOTES:

BASIS OF DESIGN:

1- REINFORCED CONCRETE:

FOR R.C ELEMENTS USE:

- * $f_c=45$ MPa. FOR COLUMNS , BASEMENT WALLS, SHEAR WALLS & RAFT FOUNDATION
- * $f_c=35$ MPa. FOR OTHERS (SLABS,RAMPS,BEAMS,ETC...)
- * $f_c=14$ MPa. FOR BLINDING
- MINIMUM CEMENT CONTENT:350Kg/m3

CONCRETE PROTECTIVE COVER FOR ANY REINFORCEMENT SHALL BE AS FOLLOWS:

a-SLABS,RIBS,FLAT BEAMS AND WALLS NOT EXPOSED TO EARTH OR WEATHER: 4 cm.

b-FAIRFACED CONCRETE EXPOSED

TO WEATHER: 4 cm.

c-DROP BEAMS AND COLUMNS: 4 cm.

d-FOUNDATIONS: 7 cm. top face
10 cm. bottom face

e-BASEMENTS WALLS: 5 cm. internal face
10 cm. external face

2- REINFORCEMENTS:

* YIELDING STRESS OF MILD STEEL:
 $f_y=240$ MPa.

* YIELDING STRESS OF HIGH TENSILE STEEL:
 $F_y=500$ MPa.

LEGEND:

F.L: FINISHED FLOOR LEVEL.
C.L: CONCRETE LEVEL.

- STRUCTURAL COLUMN OR WALL TO CONTINUE.
- STRUCTURAL COLUMN OR WALL TO START.
- STRUCTURAL COLUMN OR WALL TO STOP.
- ARCHITECTURAL COLUMN OR WALL.
- SUNKEN SLAB.

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PROJECT:
DOGHMOSH LOT38

PHASE: Shop Drawing

DRAWING NUMBER & TITLE: DGM-S-SD-501C

RAFT FOUNDATION
ADDITIONAL BOTTOM
REINFORCEMENT (3/6)

Dwg. Reference: C201-REPL-RAFO		Revision Number : 0
Format A1	Scale 1/100	Revision Issue Date : 24-12-2012

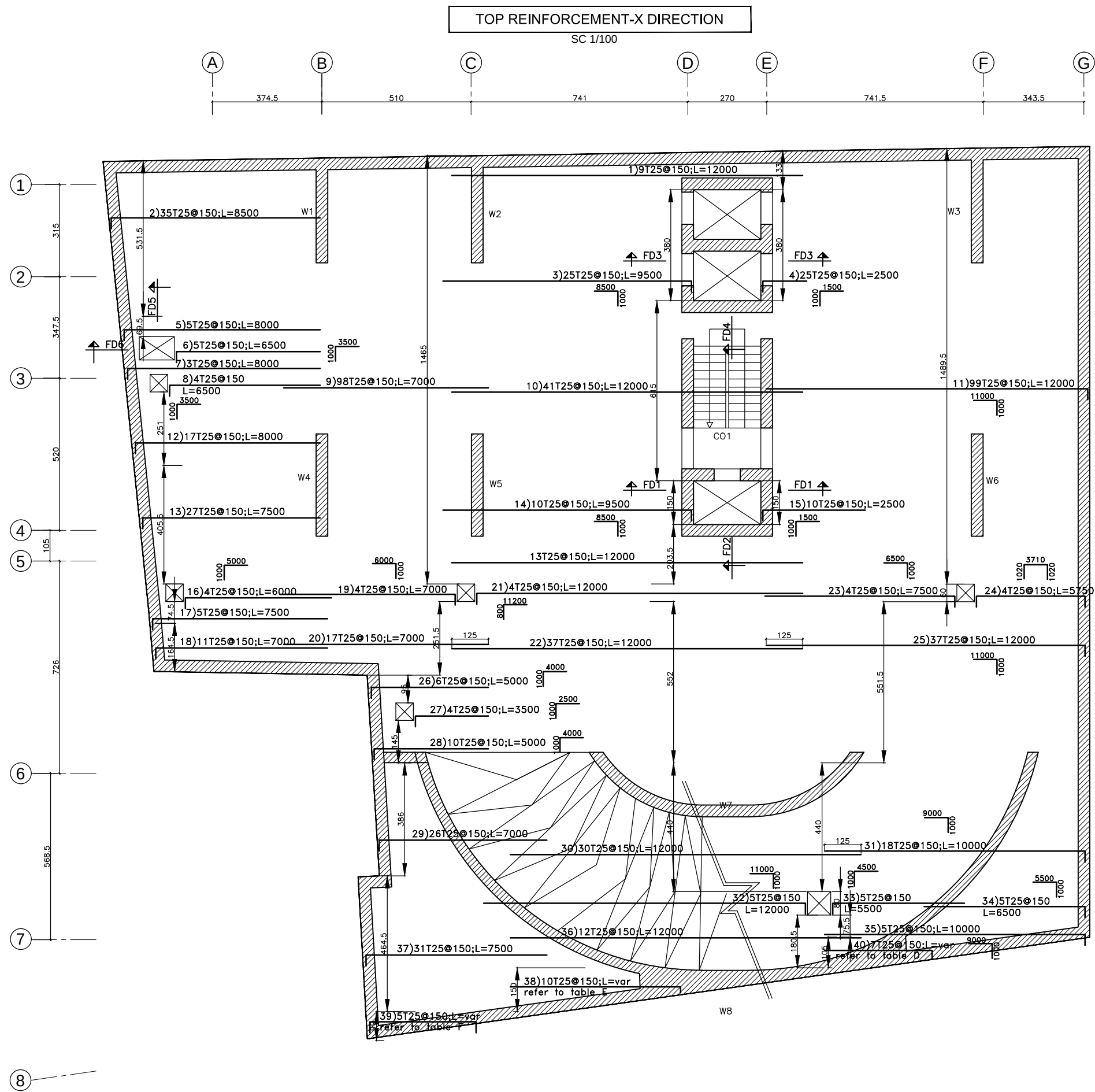


TABLE D

diam	nb	length	shape
25	1	3500	
25	1	4500	
25	1	5500	
25	1	6500	
25	1	7500	
25	1	8500	
25	1	9500	

TABLE E

diam	nb	length	shape
25	1	3500	
25	1	4500	
25	1	5500	
25	1	6500	
25	1	7500	
25	1	9000	
25	1	10000	
25	3	12000	

TABLE F

diam	nb	length	shape
25	1	3650	
25	1	4700	
25	1	5700	
25	1	6800	
25	1	7900	

GENERAL NOTES:

BASIS OF DESIGN:

1- REINFORCED CONCRETE:

FOR R.C ELEMENTS USE:

- * $f_c=45$ MPa. FOR COLUMNS , BASEMENT WALLS, SHEAR WALLS & RAFT FOUNDATION
- * $f_c=35$ MPa. FOR OTHERS (SLABS,RAMPS,BEAMS,ETC...)
- * $f_c=14$ MPa. FOR BLINDING
- MINIMUM CEMENT CONTENT:350Kg/m3

CONCRETE PROTECTIVE COVER FOR ANY REINFORCEMENT SHALL BE AS FOLLOWS:

- a-SLABS,RIBS,FLAT BEAMS AND WALLS NOT EXPOSED TO EARTH OR WEATHER: 4 cm.
- b-FAIRFACED CONCRETE EXPOSED TO WEATHER: 4 cm.
- c-DROP BEAMS AND COLUMNS: 4 cm.
- d-FOUNDATIONS: 7 cm. top face
10 cm. bottom face
5 cm. internal face
10 cm. external face
- e-BASEMENTS WALLS:

2- REINFORCEMENTS:

- * YIELDING STRESS OF MILD STEEL: $f_y=240$ MPa.
- * YIELDING STRESS OF HIGH TENSILE STEEL: $F_y=500$ MPa.

LEGEND:

- F.L: FINISHED FLOOR LEVEL.
- C.L: CONCRETE LEVEL.

- STRUCTURAL COLUMN OR WALL TO CONTINUE.
- STRUCTURAL COLUMN OR WALL TO START.
- STRUCTURAL COLUMN OR WALL TO STOP.
- ARCHITECTURAL COLUMN OR WALL.
- SUNKEN SLAB.

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PROJECT:
DOGHMOSH LOT38

PHASE: Shop Drawing

DRAWING NUMBER & TITLE: DGM-S-SD-501D

**RAFT FOUNDATION
TOP REINFORCEMENT
X DIRECTION** (4/6)

Dwg. Reference: C201-REPL-RAFO		Revision Number : 0
Format A1	Scale 1/100	Revision Issue Date : 24-12-2012

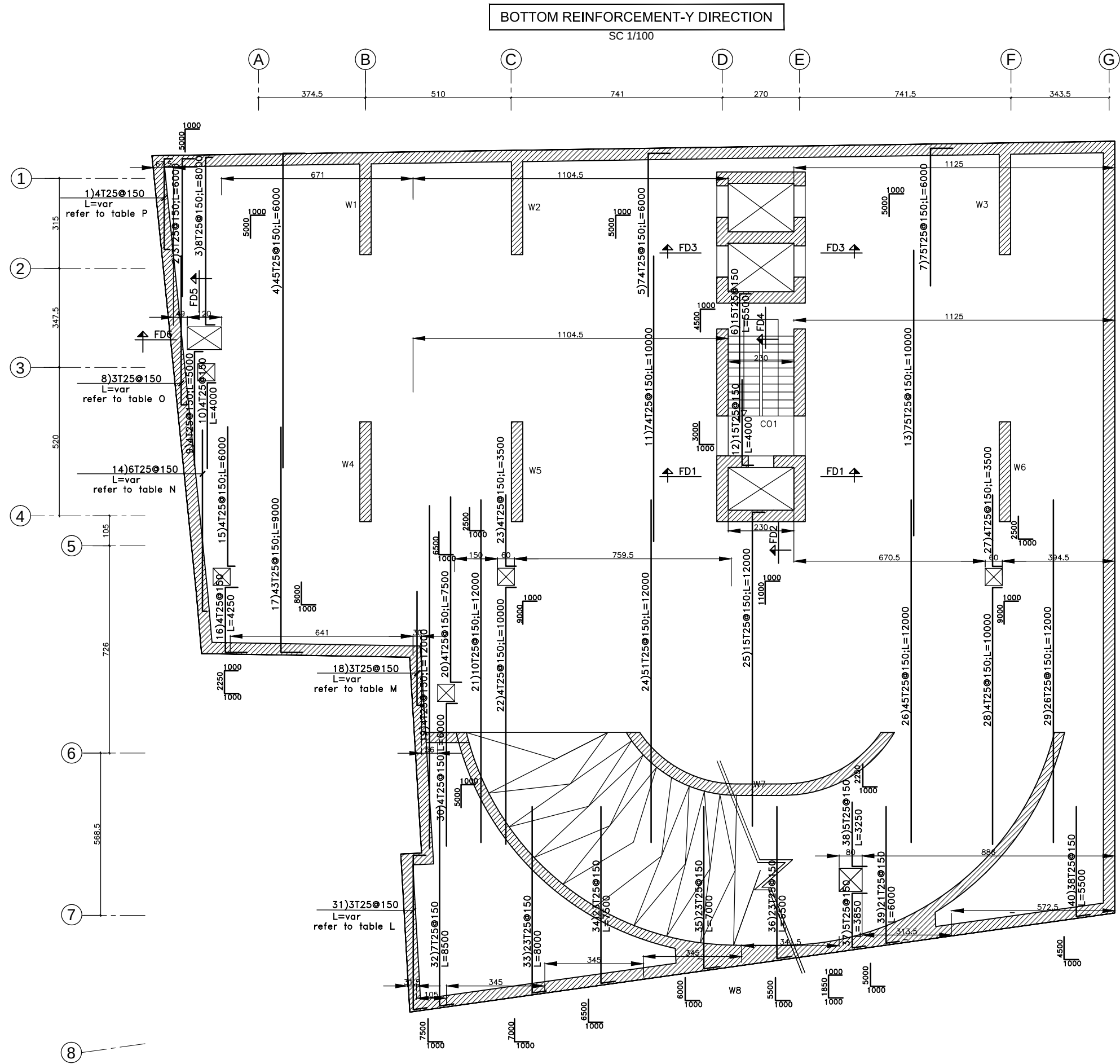


TABLE L

diam	nb	length	shape
25	1	5000	
25	2	7500	

TABLE M

diam	nb	length	shape
25	1	9500	
25	1	12000	

TABLE N

diam	nb	length	shape
25	1	3500	
25	1	5500	
25	1	7000	
25	1	8000	
25	2	9000	

TABLE O

diam	nb	length	shape
25	1	5000	
25	1	8500	
25	1	9000	

TABLE P

diam	nb	length	shape
25	1	2500	
25	1	5000	
25	1	6500	
25	1	8000	

GENERAL NOTES:

BASIS OF DESIGN:

1- REINFORCED CONCRETE:

FOR R.C ELEMENTS USE:

* $f_c=45$ MPa. FOR COLUMNS , BASEMENT WALLS, SHEAR WALLS & RAFT FOUNDATION

* $f_c=35$ MPa. FOR OTHERS (SLABS,RAMPS,BEAMS,ETC...)

* $f_c=14$ MPa. FOR BLINDING

MINIMUM CEMENT CONTENT:350Kg/m3

CONCRETE PROTECTIVE COVER FOR ANY REINFORCEMENT SHALL BE AS FOLLOWS:

a-SLABS,RIBS,FLAT BEAMS AND WALLS NOT EXPOSED TO EARTH OR WEATHER: 4 cm.

b-FAIRFACED CONCRETE EXPOSED

TO WEATHER: 4 cm.

c-DROP BEAMS AND COLUMNS: 4 cm.

d-FOUNDATIONS: 7 cm. top face

10 cm. bottom face

e-BASEMENTS WALLS: 5 cm. internal face

10 cm. external face

2- REINFORCEMENTS:

* YIELDING STRESS OF MILD STEEL:

$f_y=240$ MPa.

* YIELDING STRESS OF HIGH TENSILE STEEL:

$F_y=500$ MPa.

LEGEND:

F.L: FINISHED FLOOR LEVEL.

C.L: CONCRETE LEVEL.

STRUCTURAL COLUMN OR WALL TO CONTINUE.

STRUCTURAL COLUMN OR WALL TO START.

STRUCTURAL COLUMN OR WALL TO STOP.

ARCHITECTURAL COLUMN OR WALL.

SUNKEN SLAB.

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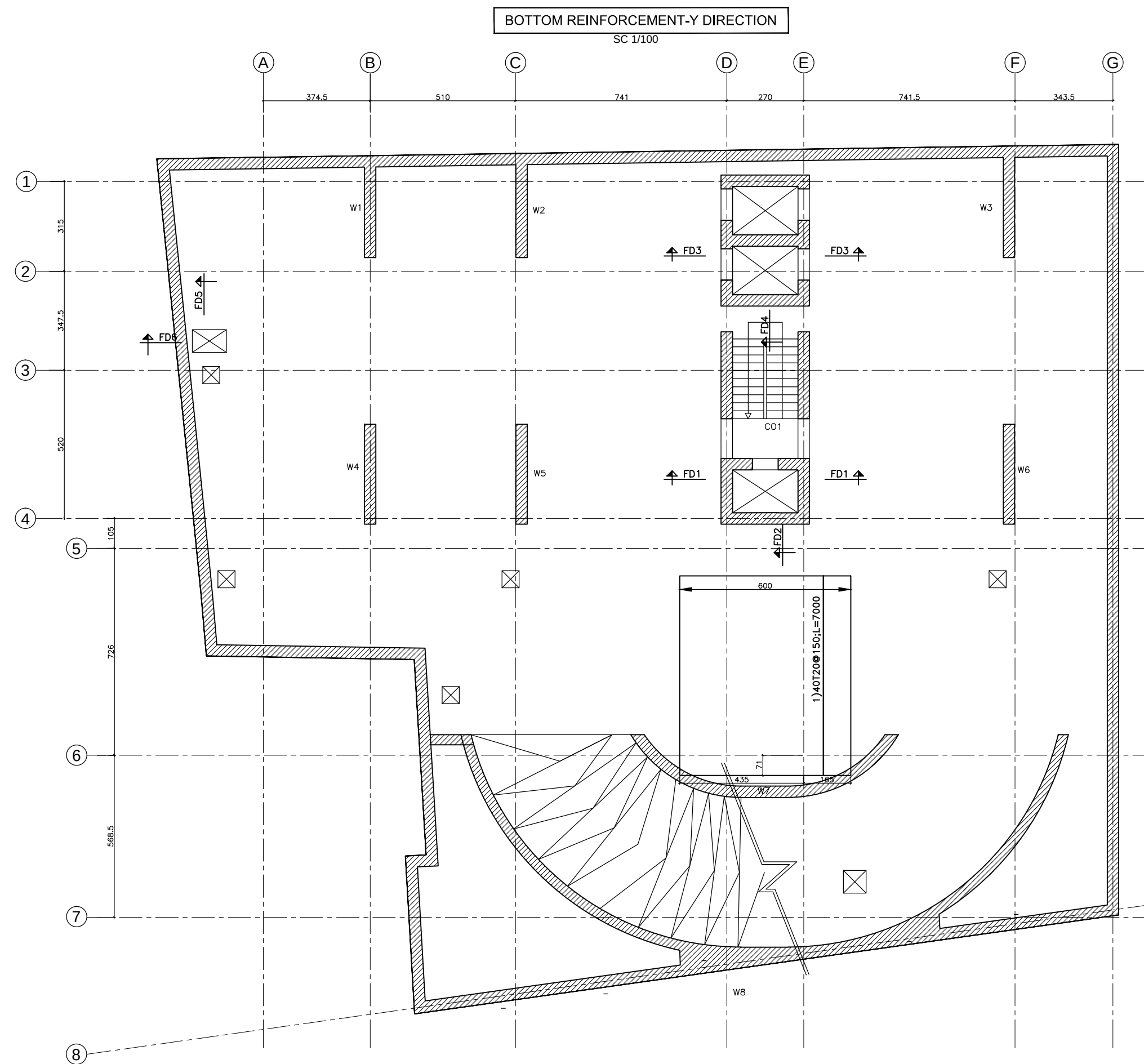
PROJECT:
DOGHMOSH LOT38

PHASE: Shop Drawing

DRAWING NUMBER & TITLE: **DGM-S-SD-501E**

RAFT FOUNDATION
TOP REINFORCEMENT
Y DIRECTION (5/6)

Dwg. Reference: C201-REPL-RAFO		Revision Number : 0
Format A1	Scale 1/100	Revision Issue Date : 24-12-2012



GENERAL NOTES:

BASIS OF DESIGN:

1- REINFORCED CONCRETE:

FOR R.C ELEMENTS USE:

- * $f_c=45$ MPa. FOR COLUMNS , BASEMENT WALLS, SHEAR WALLS & RAFT FOUNDATION
- * $f_c=35$ MPa. FOR OTHERS (SLABS,RAMPS,BEAMS,ETC...)
- * $f_c=14$ MPa. FOR BLINDING

MINIMUM CEMENT CONTENT:350Kg/m3

CONCRETE PROTECTIVE COVER FOR ANY REINFORCEMENT SHALL BE AS FOLLOWS:

a-SLABS,RIBS,FLAT BEAMS AND WALLS NOT EXPOSED TO EARTH OR WEATHER: 4 cm.

b-FAIRFACED CONCRETE EXPOSED

TO WEATHER: 4 cm.

c-DROP BEAMS AND COLUMNS: 4 cm.

d-FOUNDATIONS: 7 cm. top face
10 cm. bottom face

e-BASEMENTS WALLS: 5 cm. internal face
10 cm. external face

2- REINFORCEMENTS:

- * YIELDING STRESS OF MILD STEEL:
 $f_y=240$ MPa.
- * YIELDING STRESS OF HIGH TENSILE STEEL:
 $F_y=500$ MPa.

LEGEND:

F.L: FINISHED FLOOR LEVEL.
C.L: CONCRETE LEVEL.

STRUCTURAL COLUMN OR WALL TO CONTINUE.

STRUCTURAL COLUMN OR WALL TO START.

STRUCTURAL COLUMN OR WALL TO STOP.

ARCHITECTURAL COLUMN OR WALL.

SUNKEN SLAB.

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PROJECT:

DOGHMOSH LOT38

PHASE: Shop Drawing

DRAWING NUMBER & TITLE: **DGM-S-SD-501F**

RAFT FOUNDATION
ADDITIONAL TOP
REINFORCEMENT (6/6)

Dwg. Reference: C201-REPL-RAFO		Revision Number : 0
Format A1	Scale 1/100	Revision Issue Date : 24-12-2012