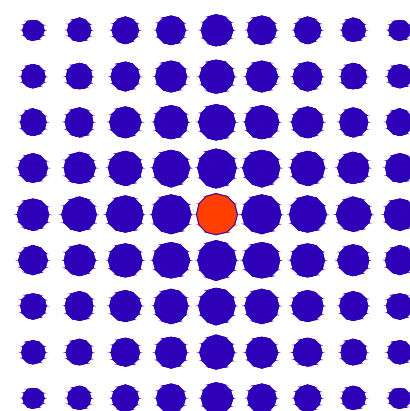


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Design, transfer of use, and tender documents
for new School in Sur Baher

FOR
UNDP/PAPP



PREPARED BY



SIMON KOUBA CONSULTANTS

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STRUCTURAL DRAWINGS

INDEX

STRUCTURAL DRAWINGS	
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S001	INDEX TO DRAWINGS
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S107	Shelter room slab details
S108	Retaining Wall Sections
S109	Site clif elevation and Retaining wall section schedule

Legends and Symbols:

PROJECT NAME:
SUR BAHER SCHOOL

Designed by: Eng. Sameh Oweis

Drawn by: Eng. Abed Hamed

Checked by: Arch. Simon Kouba



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Scale:

Date:

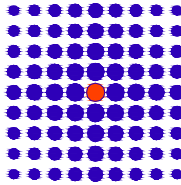
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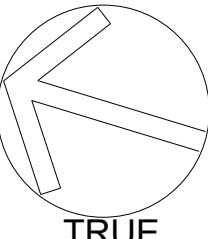
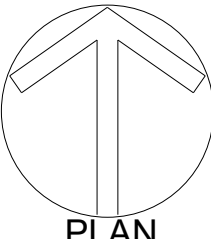
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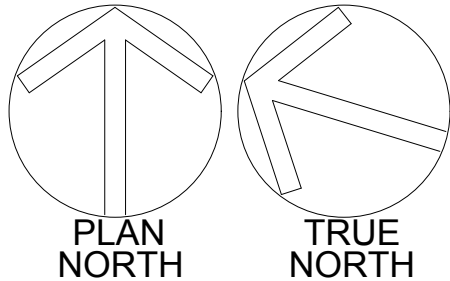
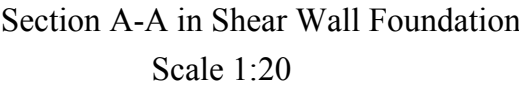
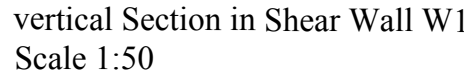
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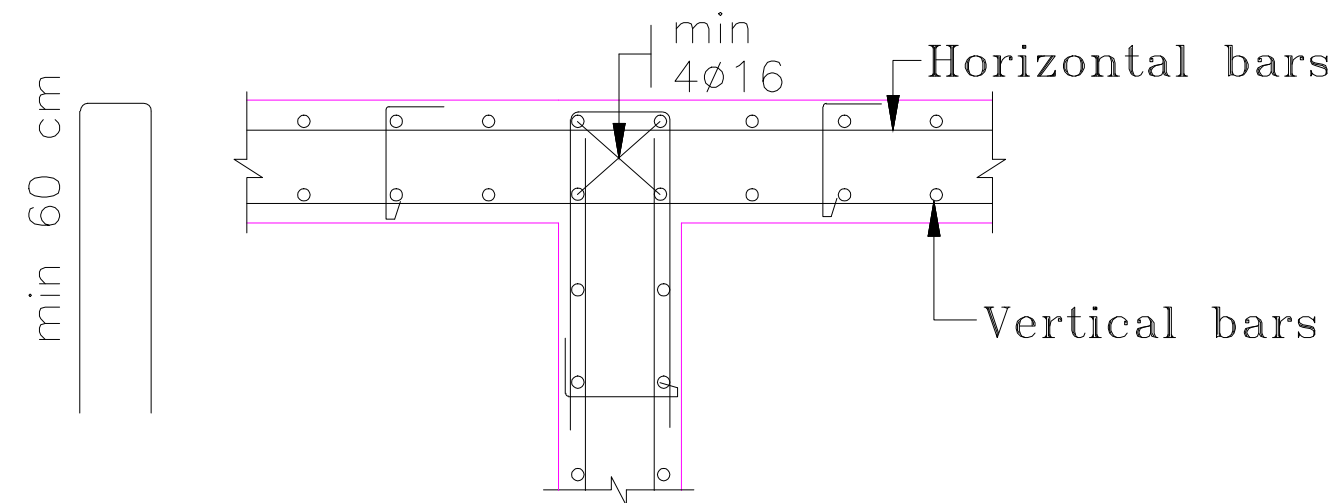


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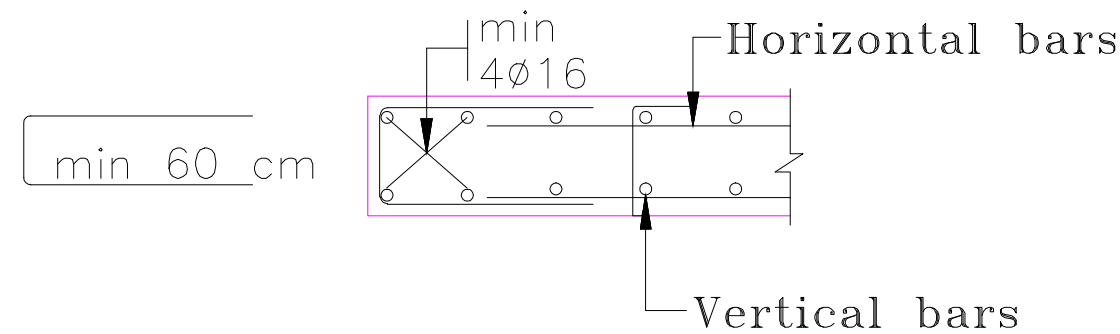
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TRUE
NORTH

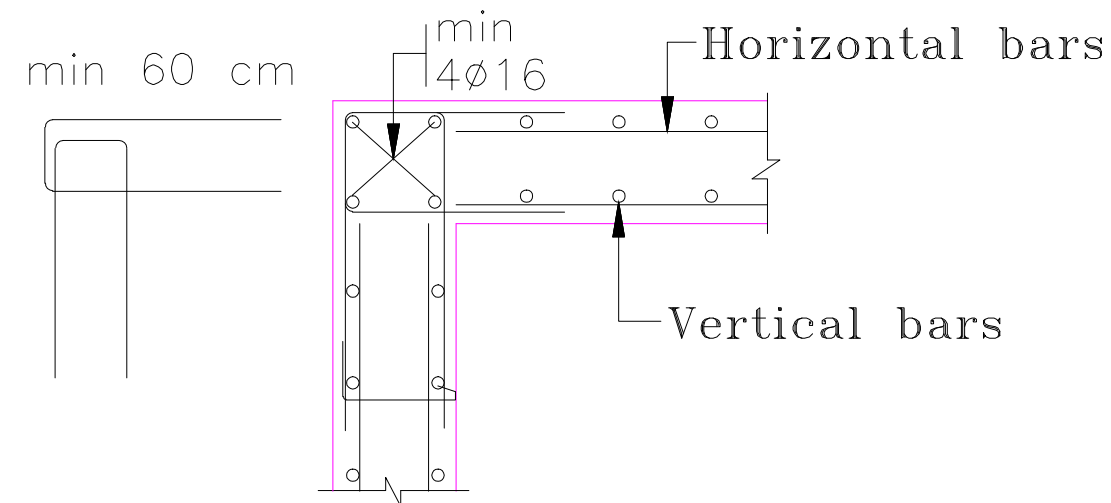
WALLs connections DETAILING



TEE CONNECTION



END WALL



CORNER WALL

Legends and Symbols:

PROJECT NAME:
SUR BAHER SCHOOL

Designed by: Eng. Sameh Oweis

Drawn by: Eng. Abed Hamed

Checked by: Arch. Simon Kouba



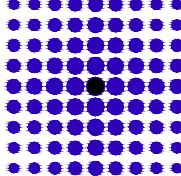
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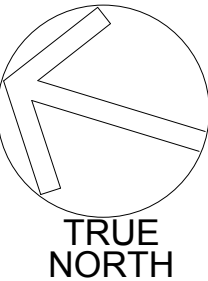
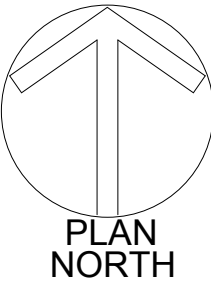
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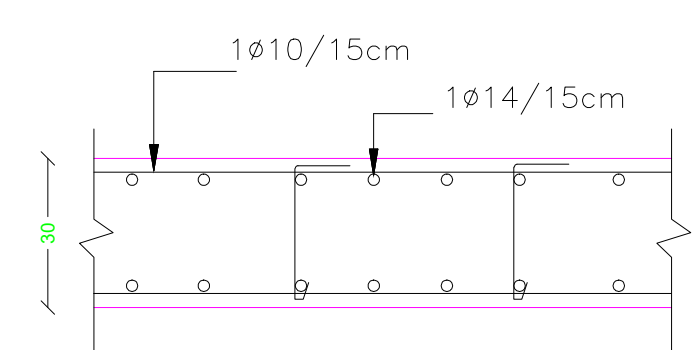
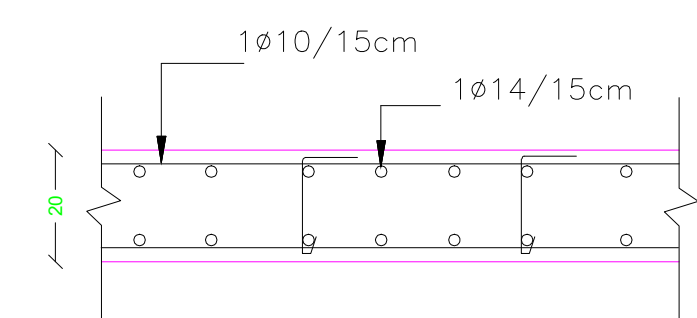
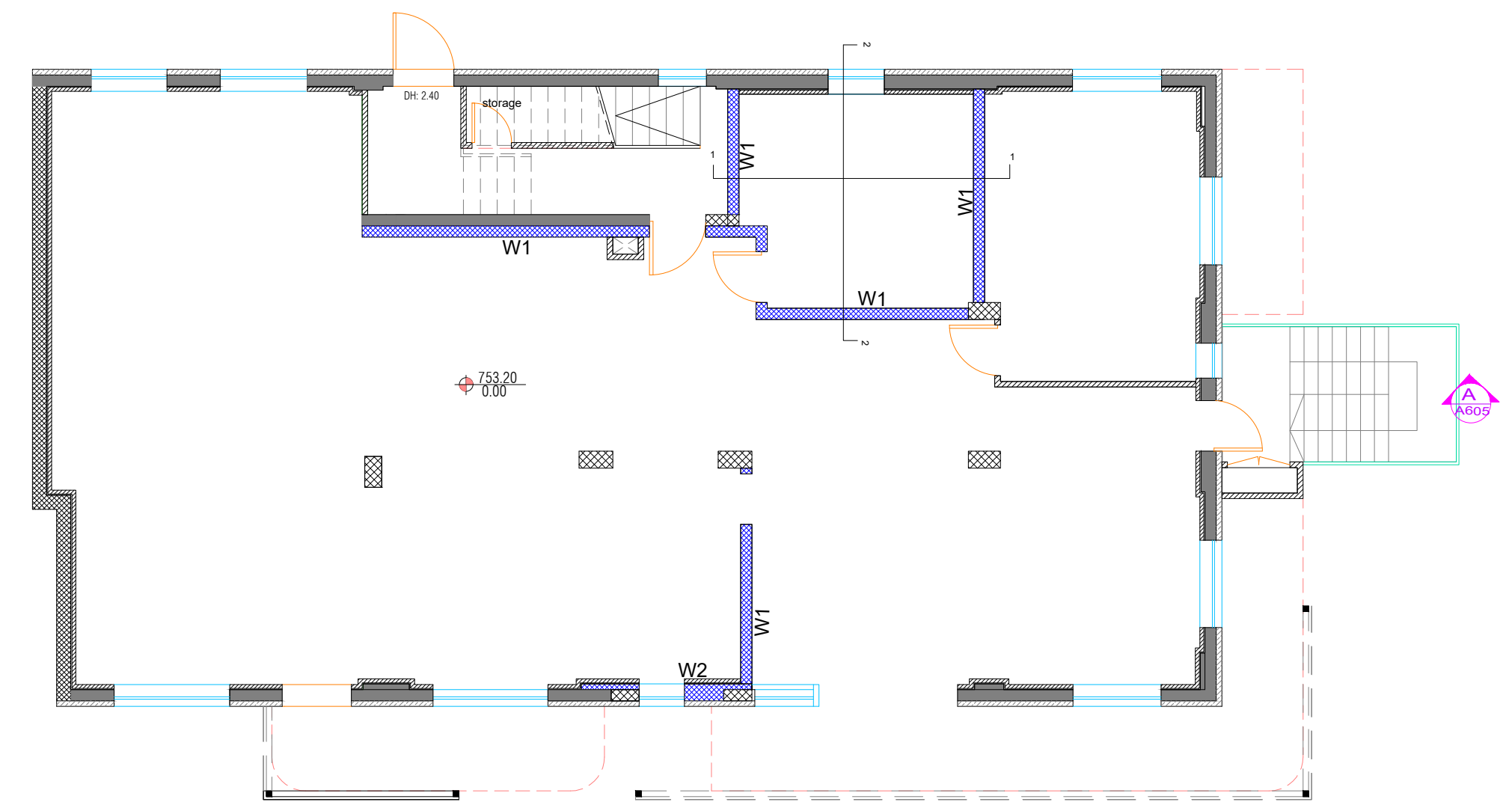
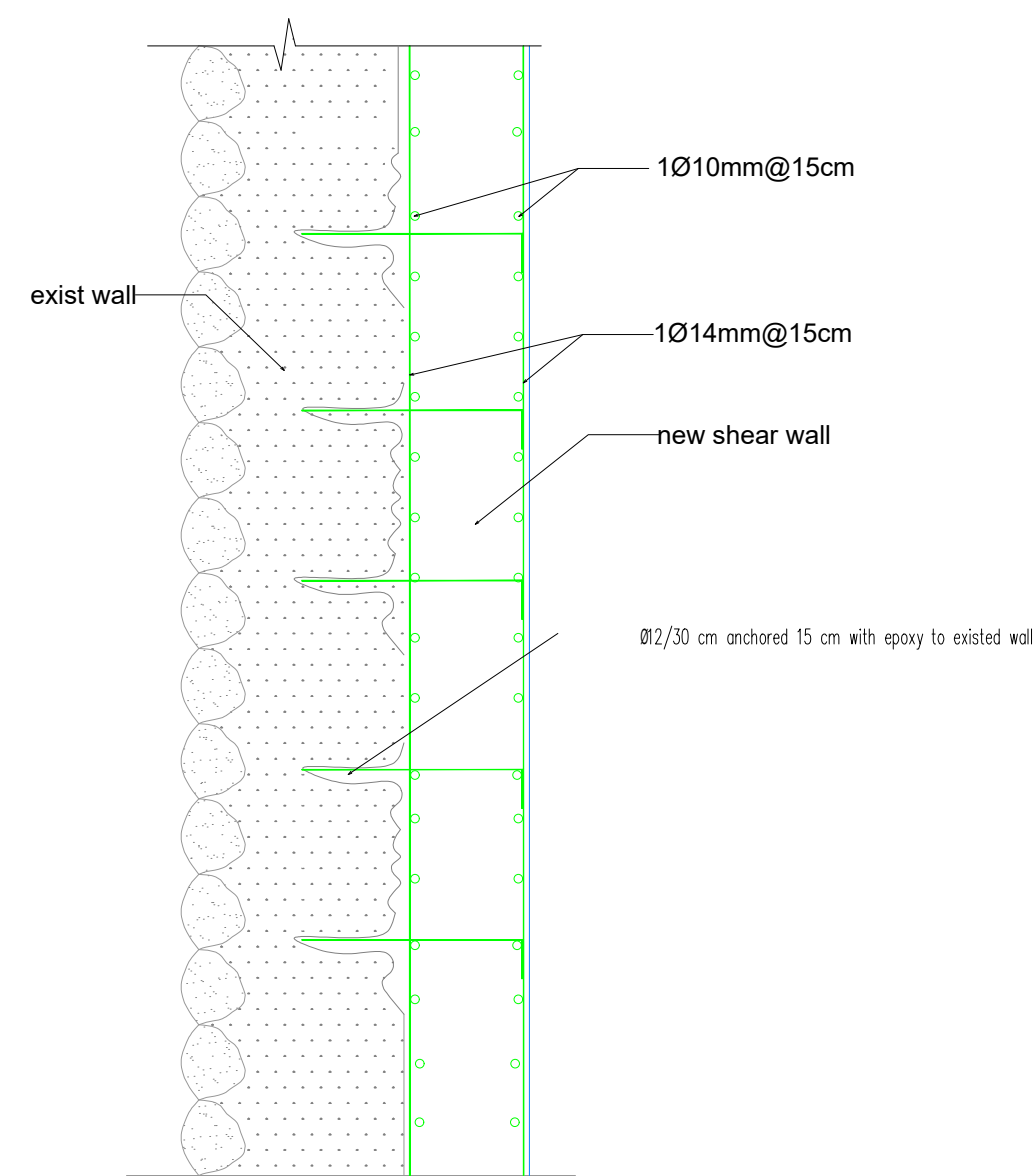
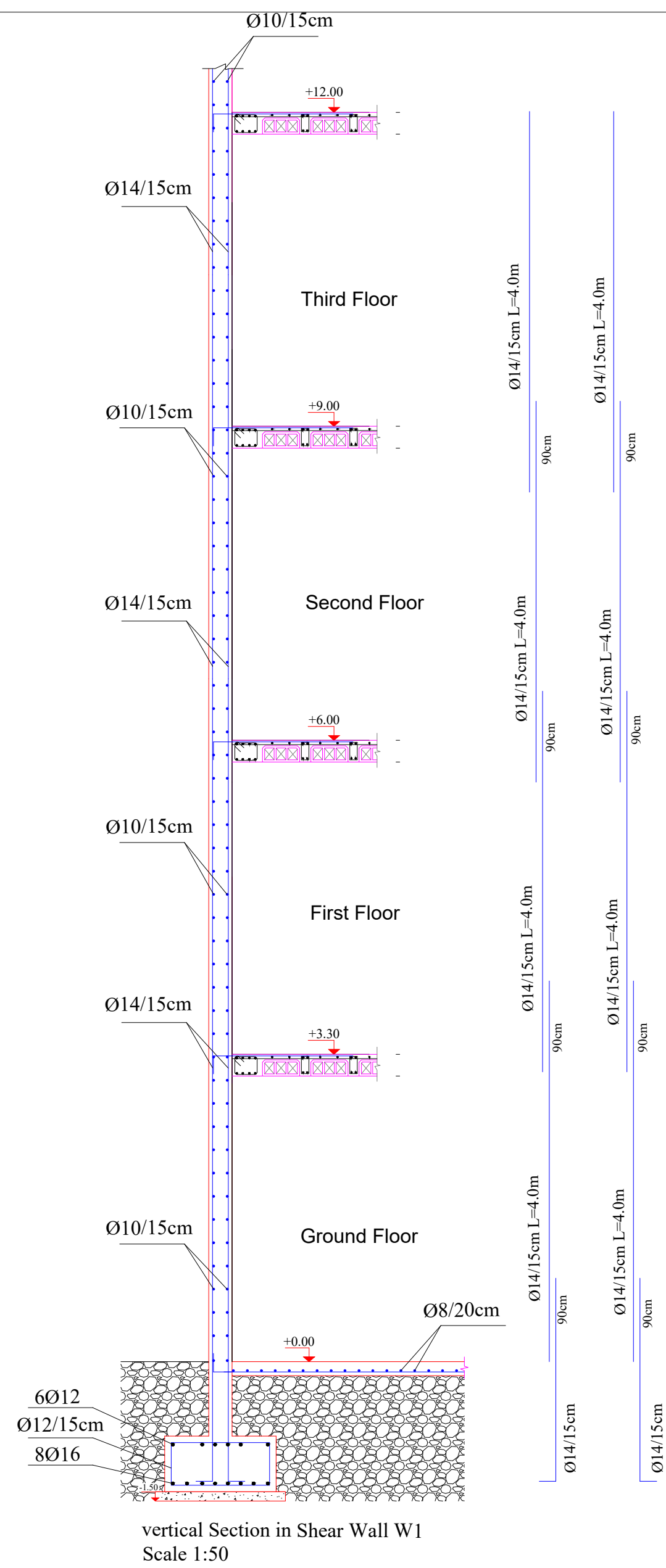
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27-8-2020

Sheet No.:
S102

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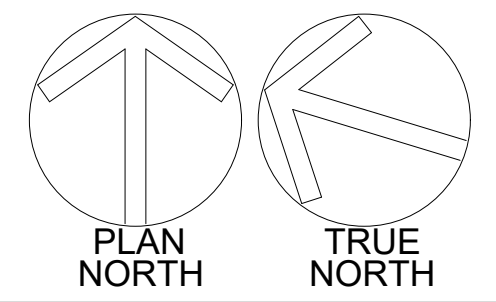
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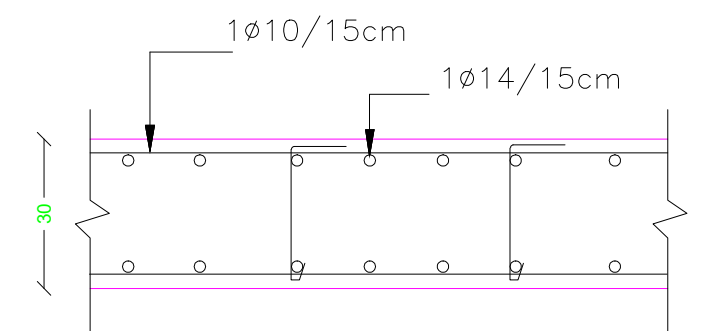
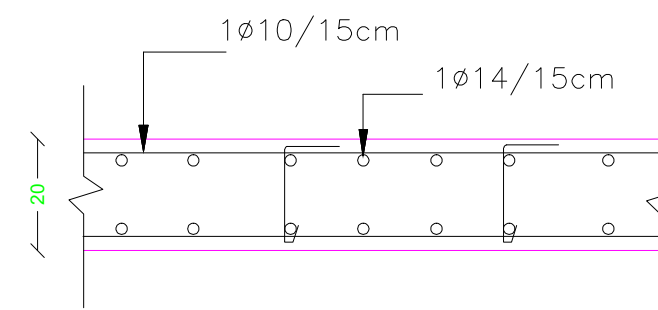
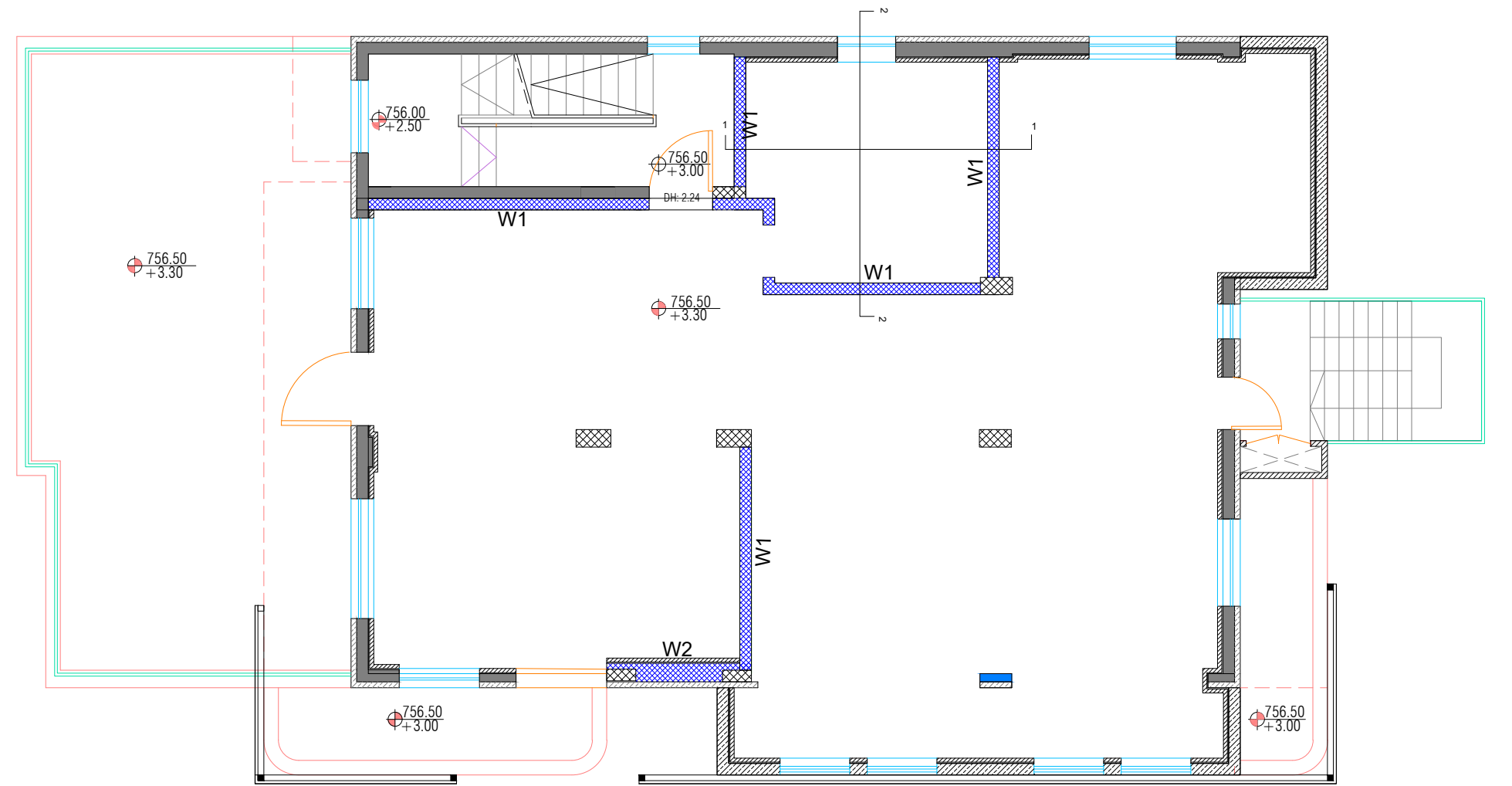
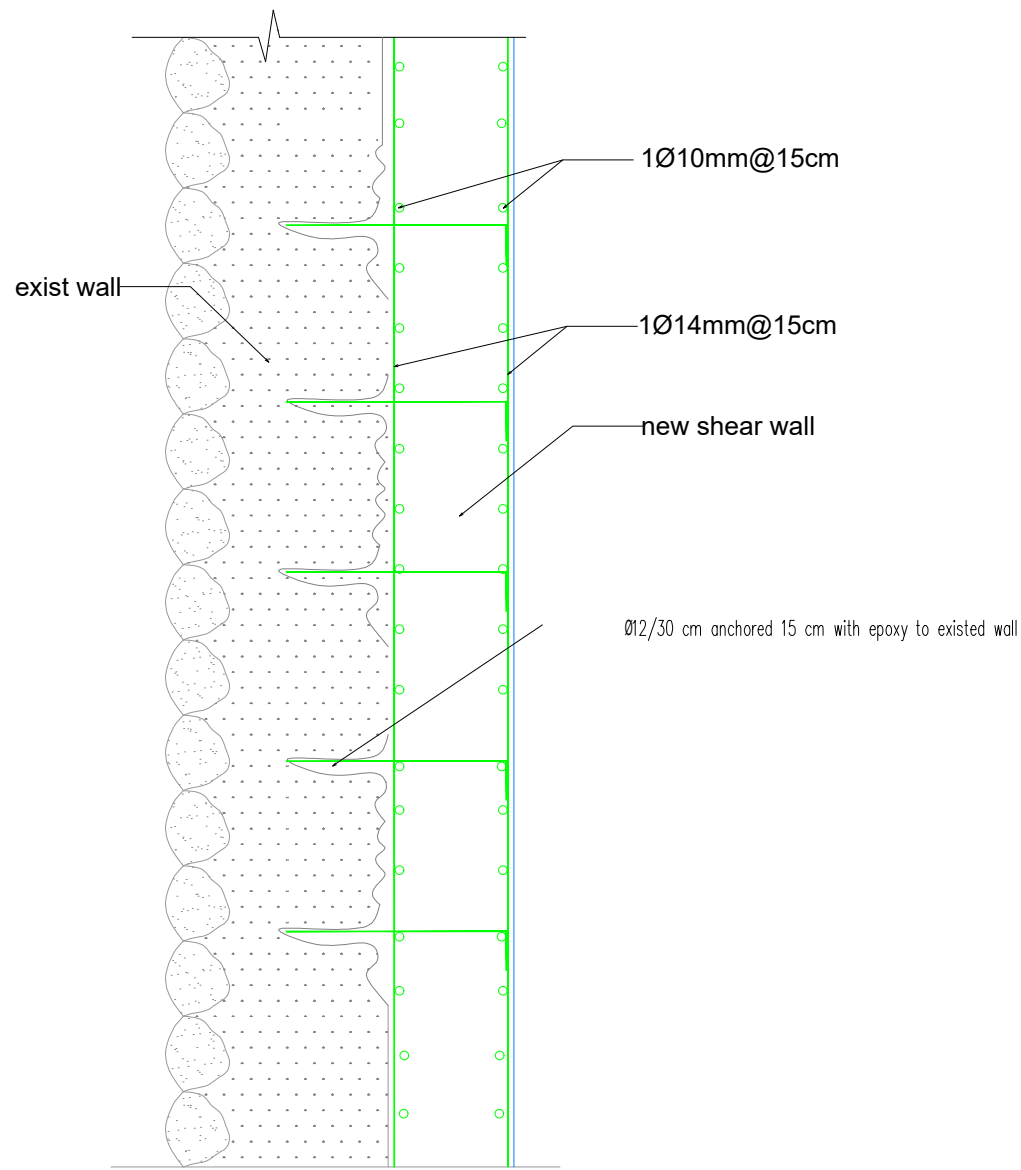
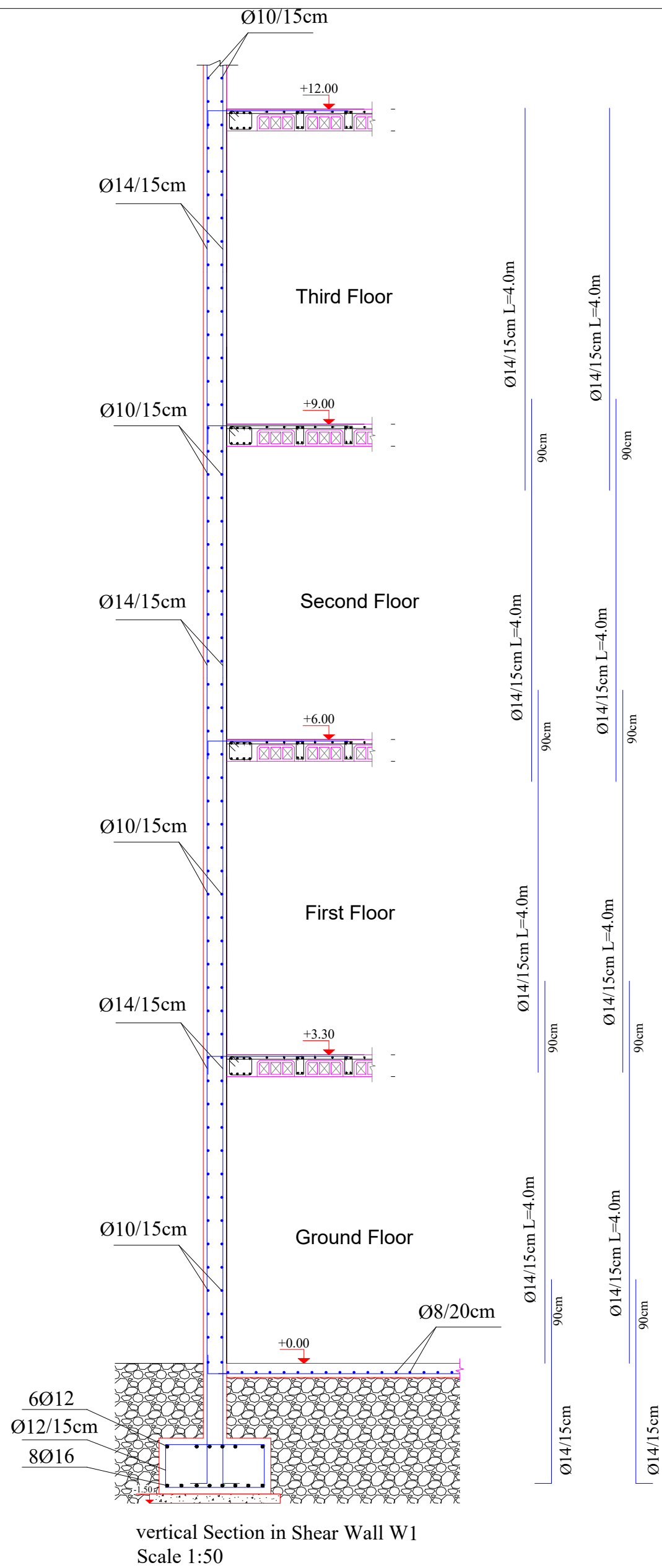
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Checked by: Arch. Simon Kouba



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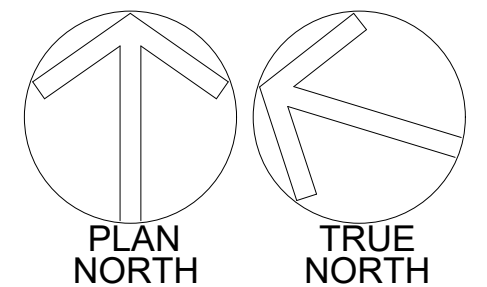
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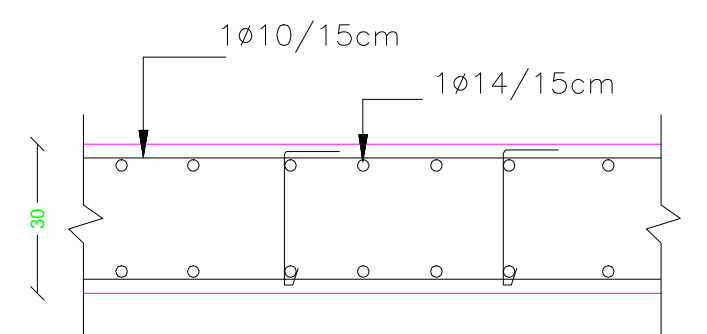
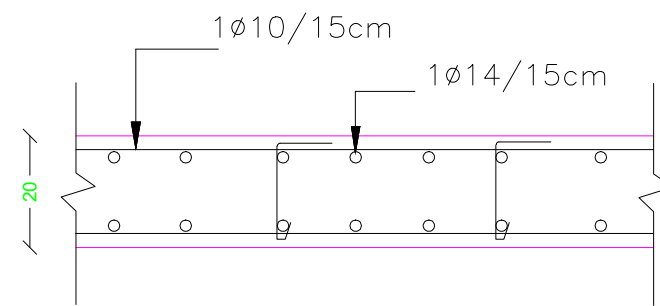
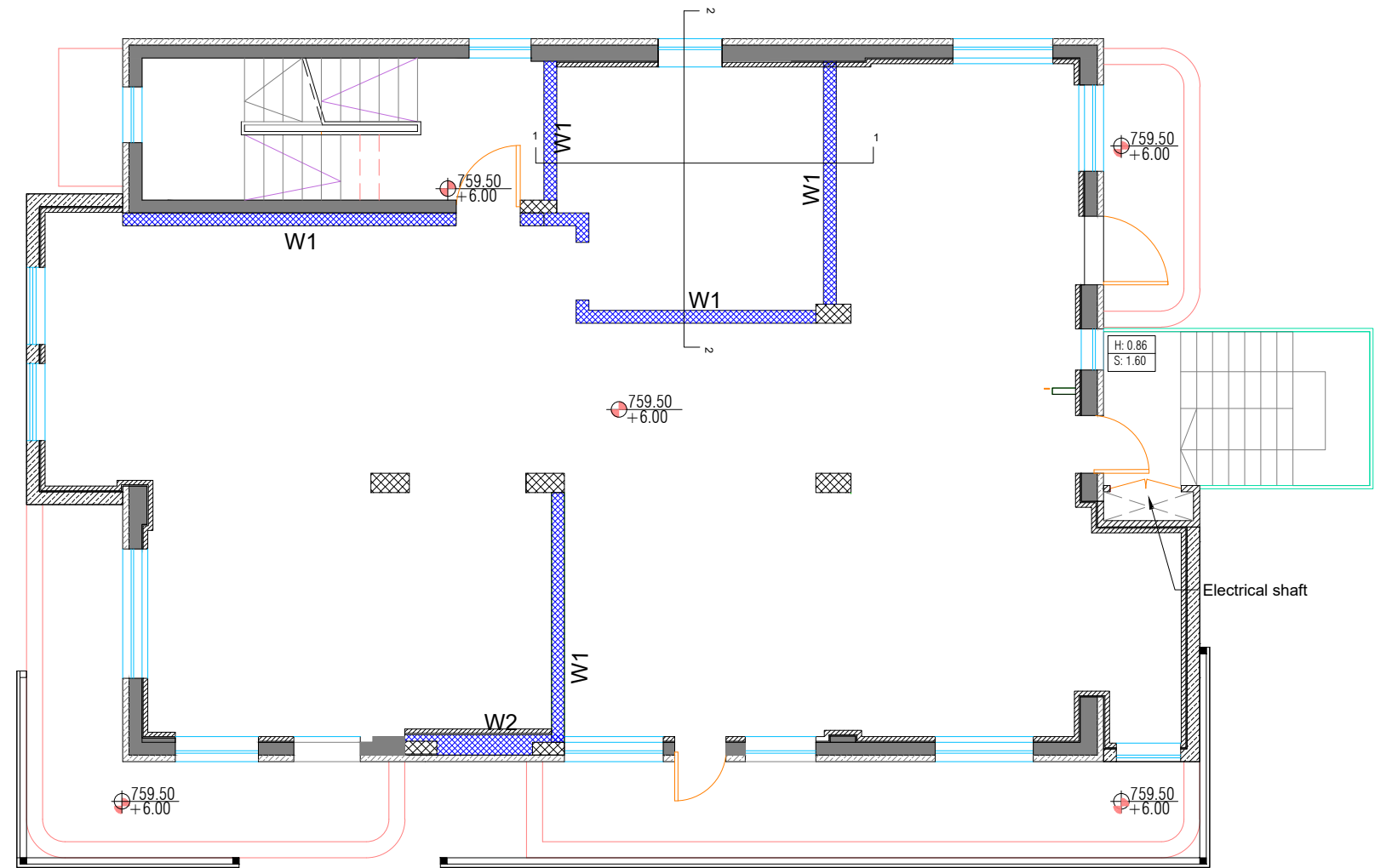
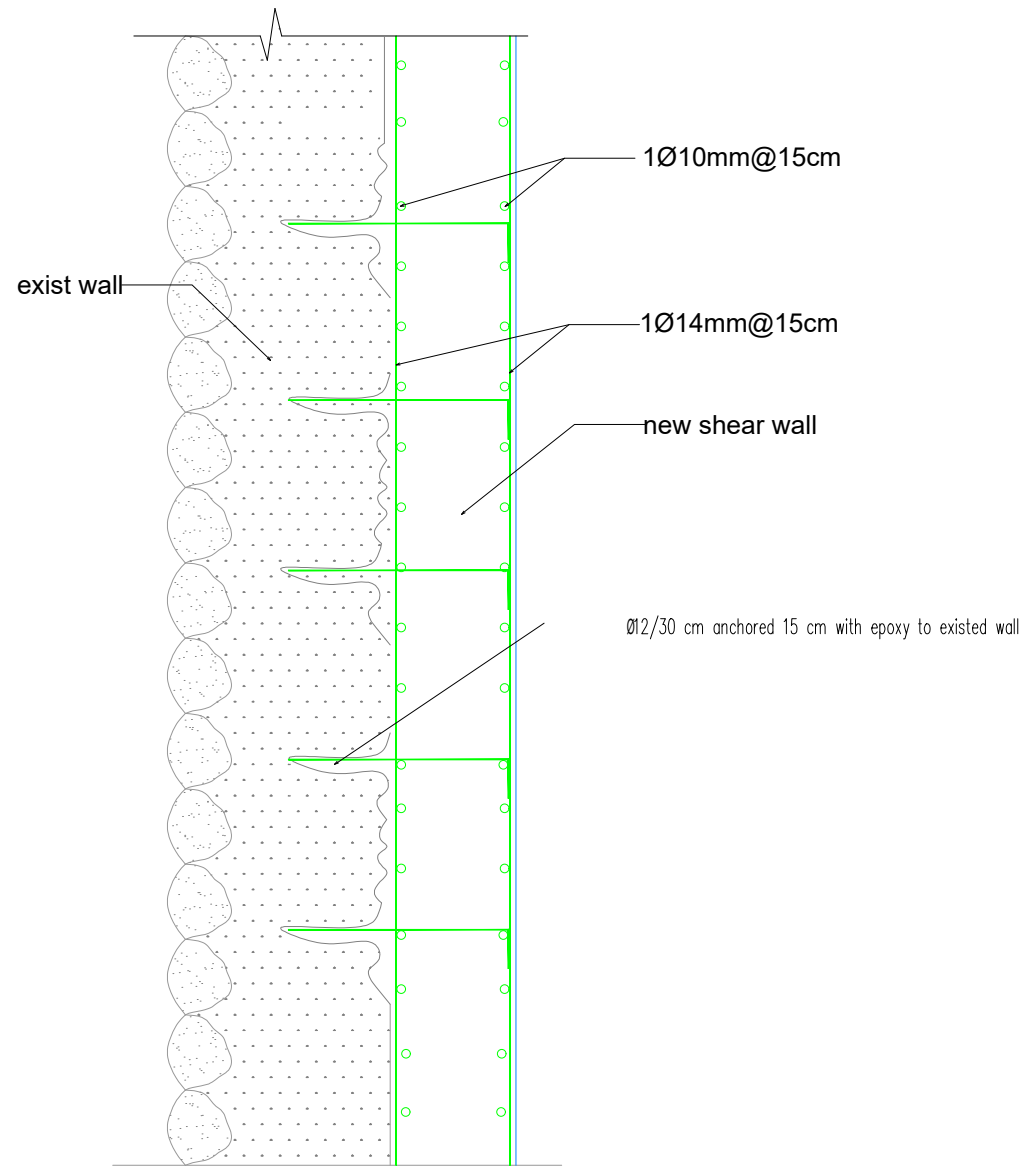
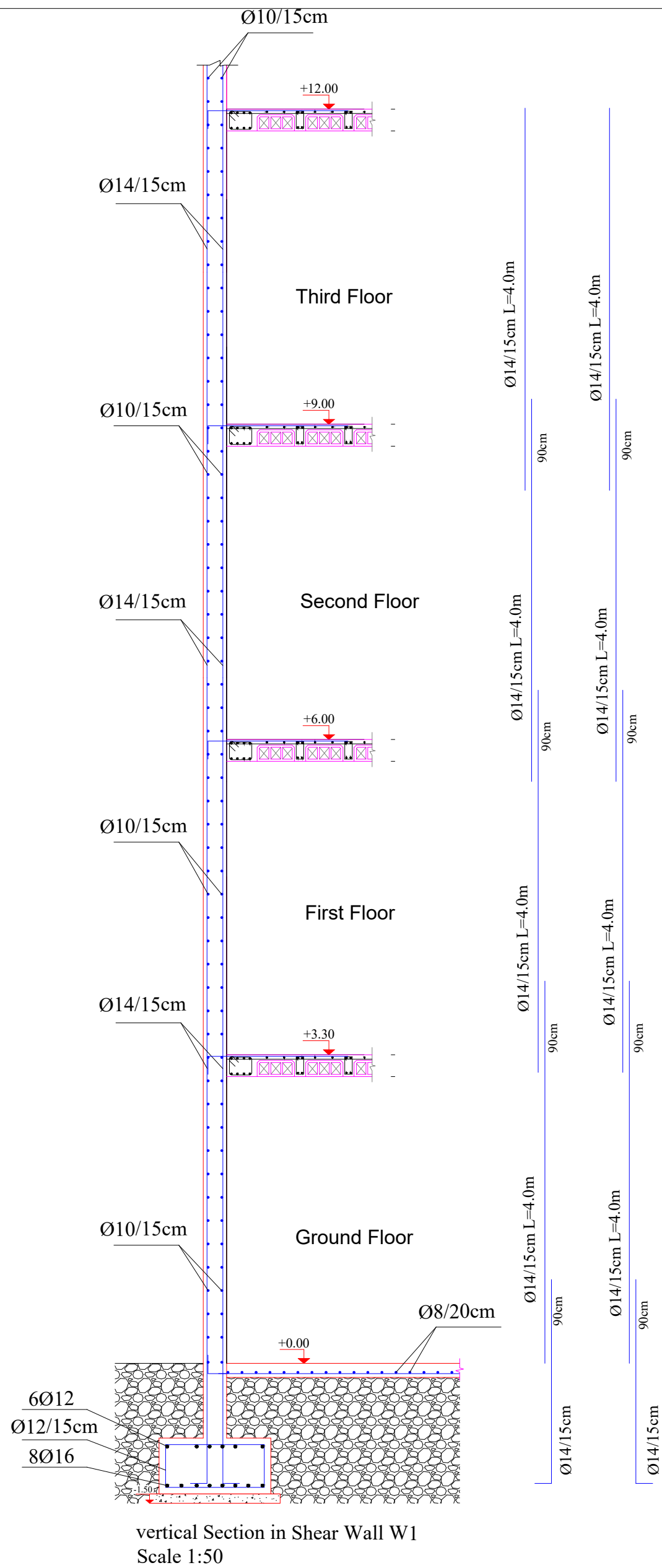
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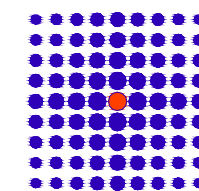
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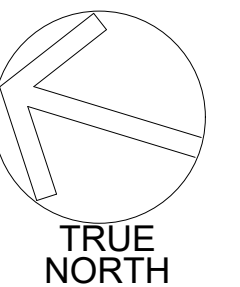
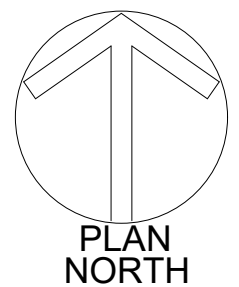
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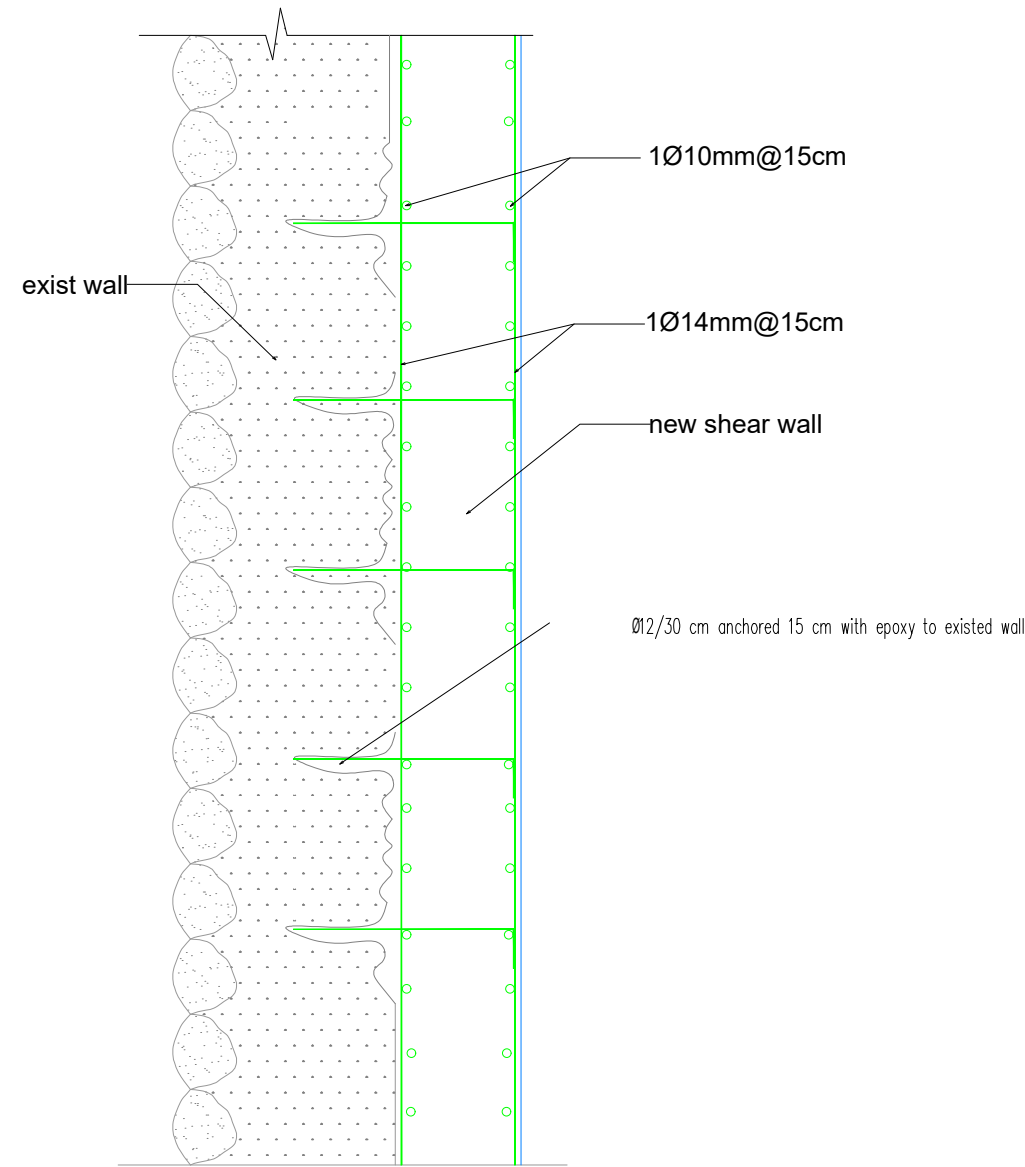
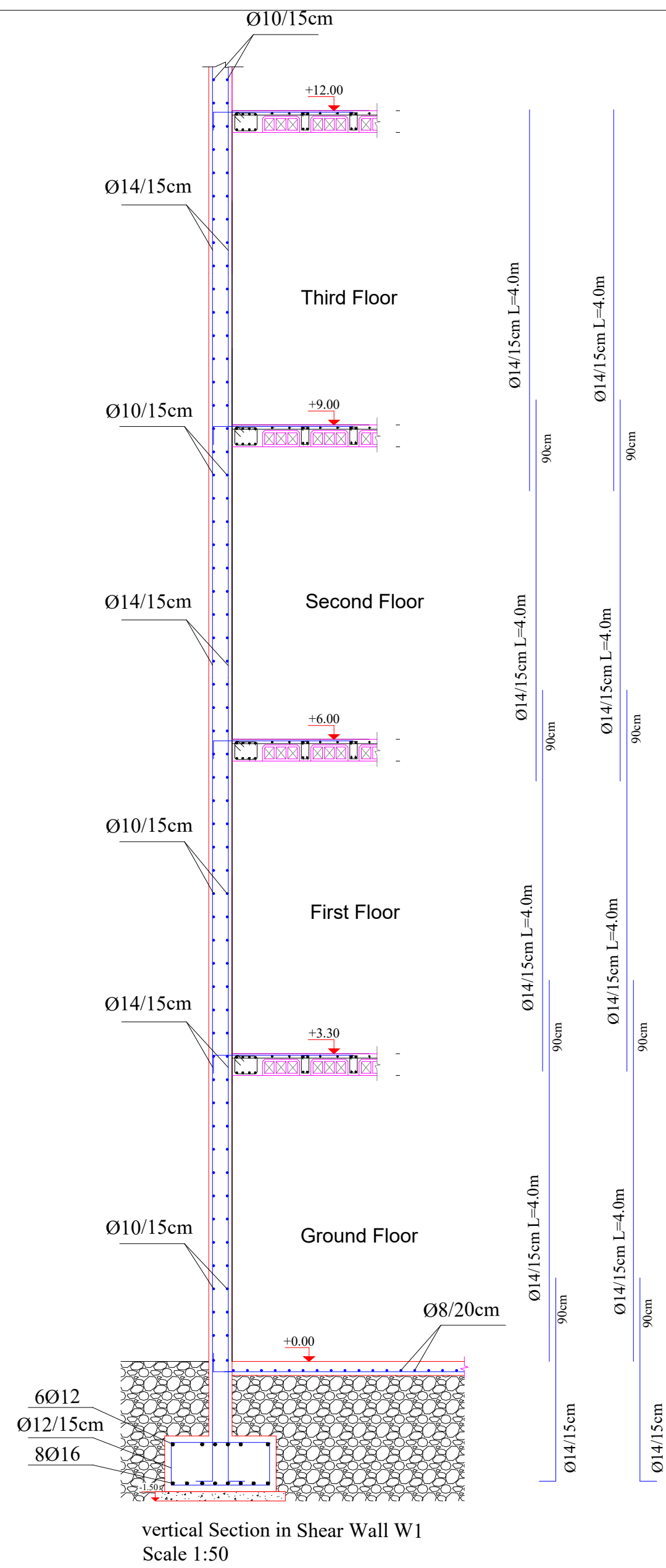
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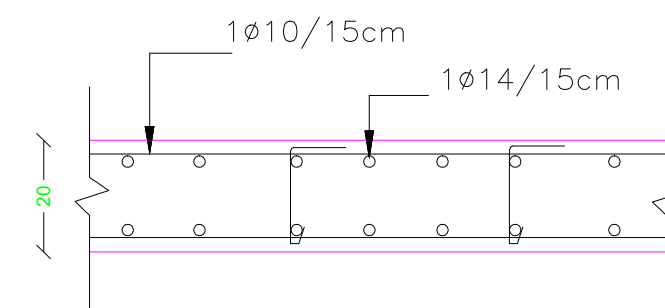
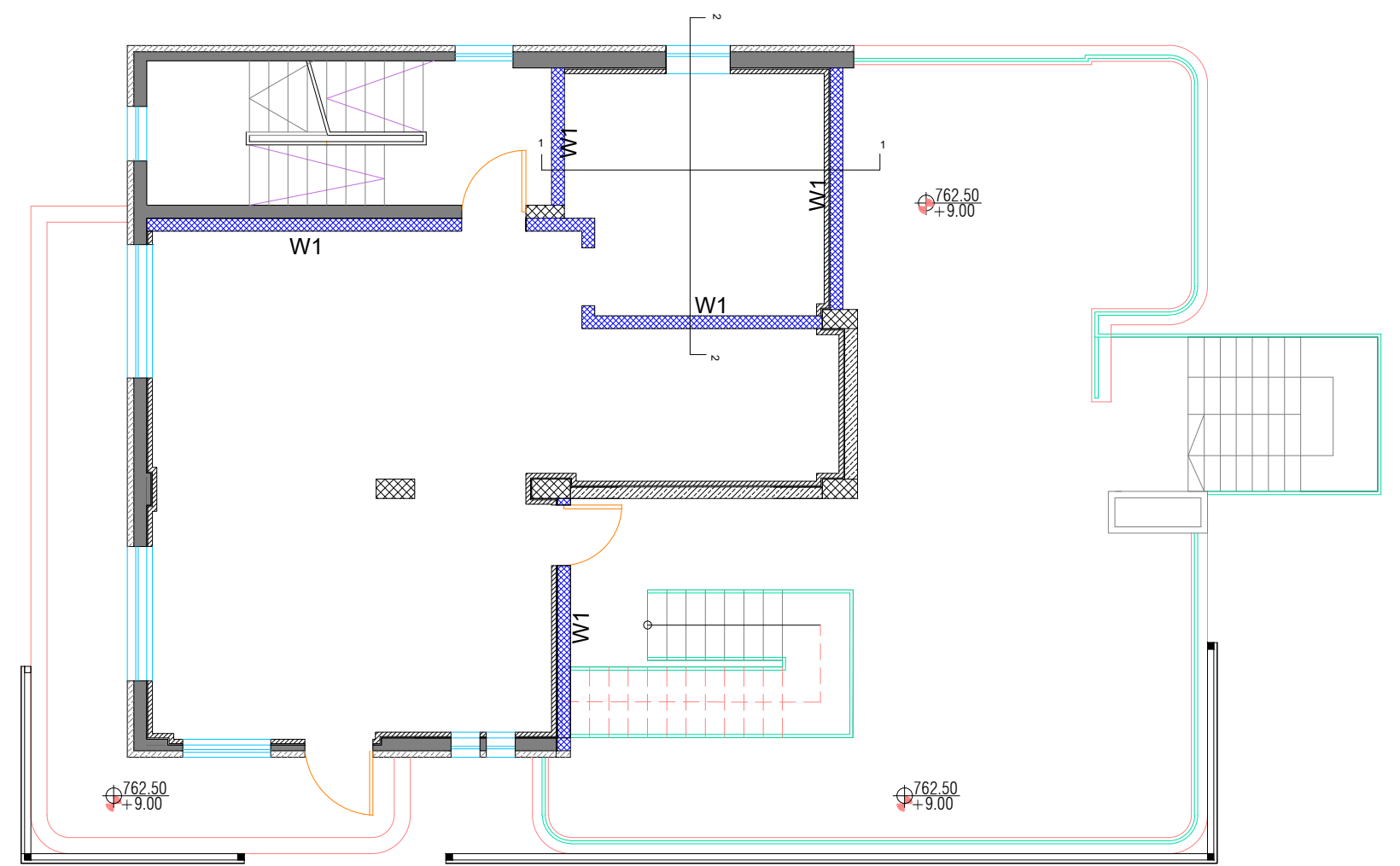


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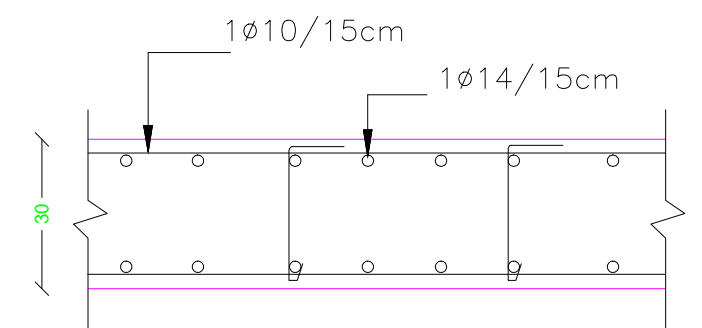




detailing between existed and new Shear Wall
Scale 1:20



Section in Shear Wall
W1
Scale 1:20



Section in Shear Wall
W2
Scale 1:20

Legends and Symbols:

PROJECT NAME:
SUR BAHAR SCHOOL

Designed by: Eng. Sameh Oweis

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Checked by: Arch. Simon Kouba



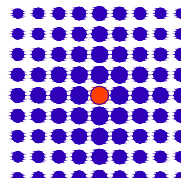
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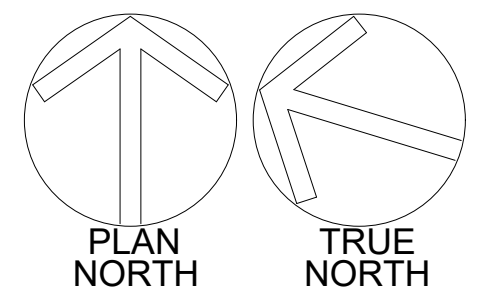
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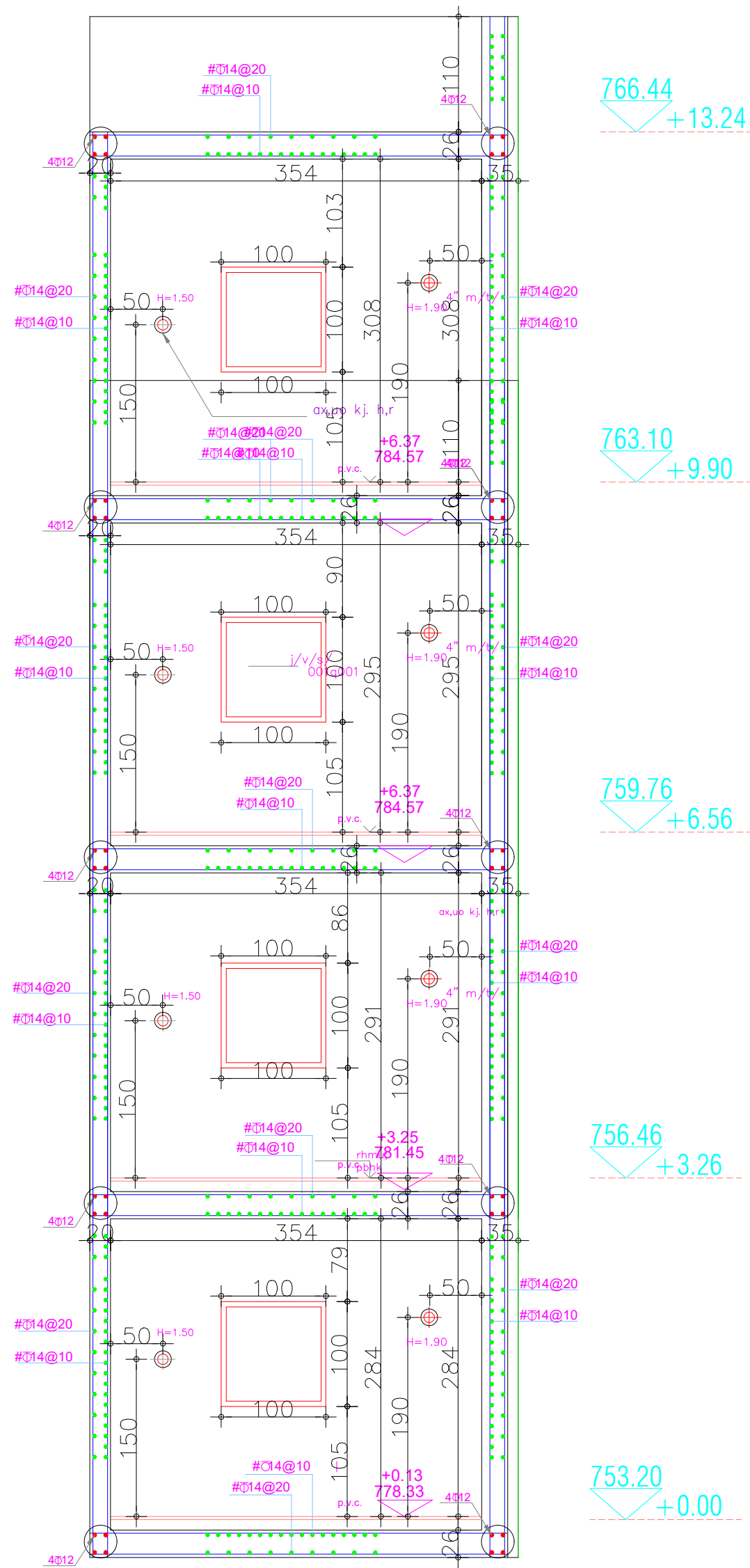
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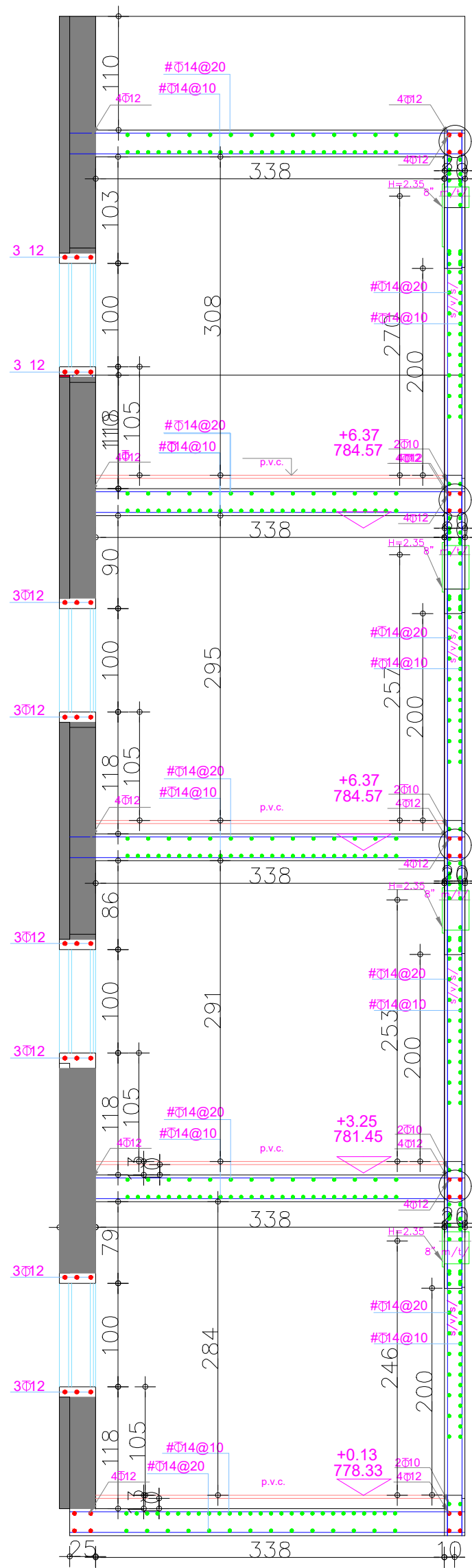
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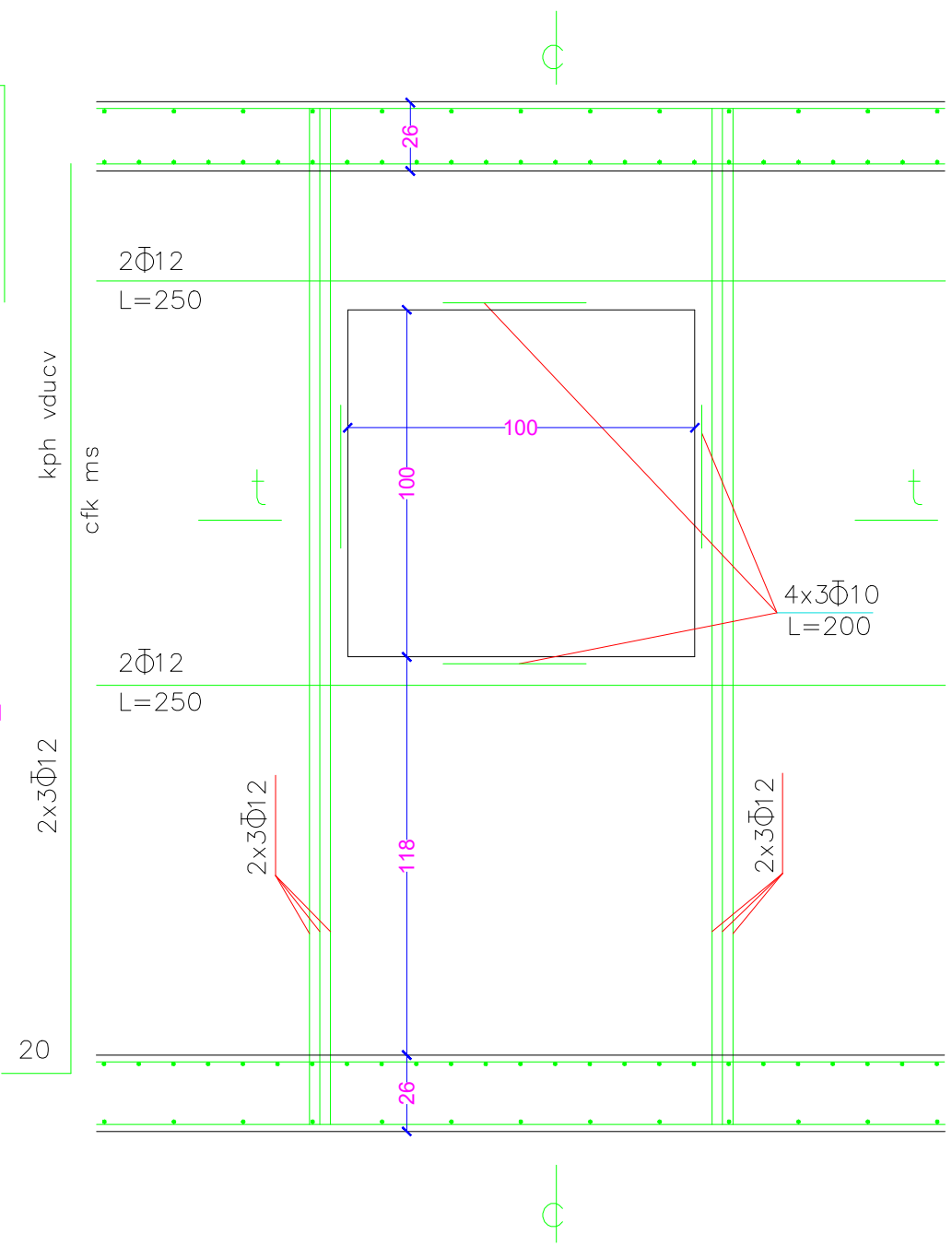
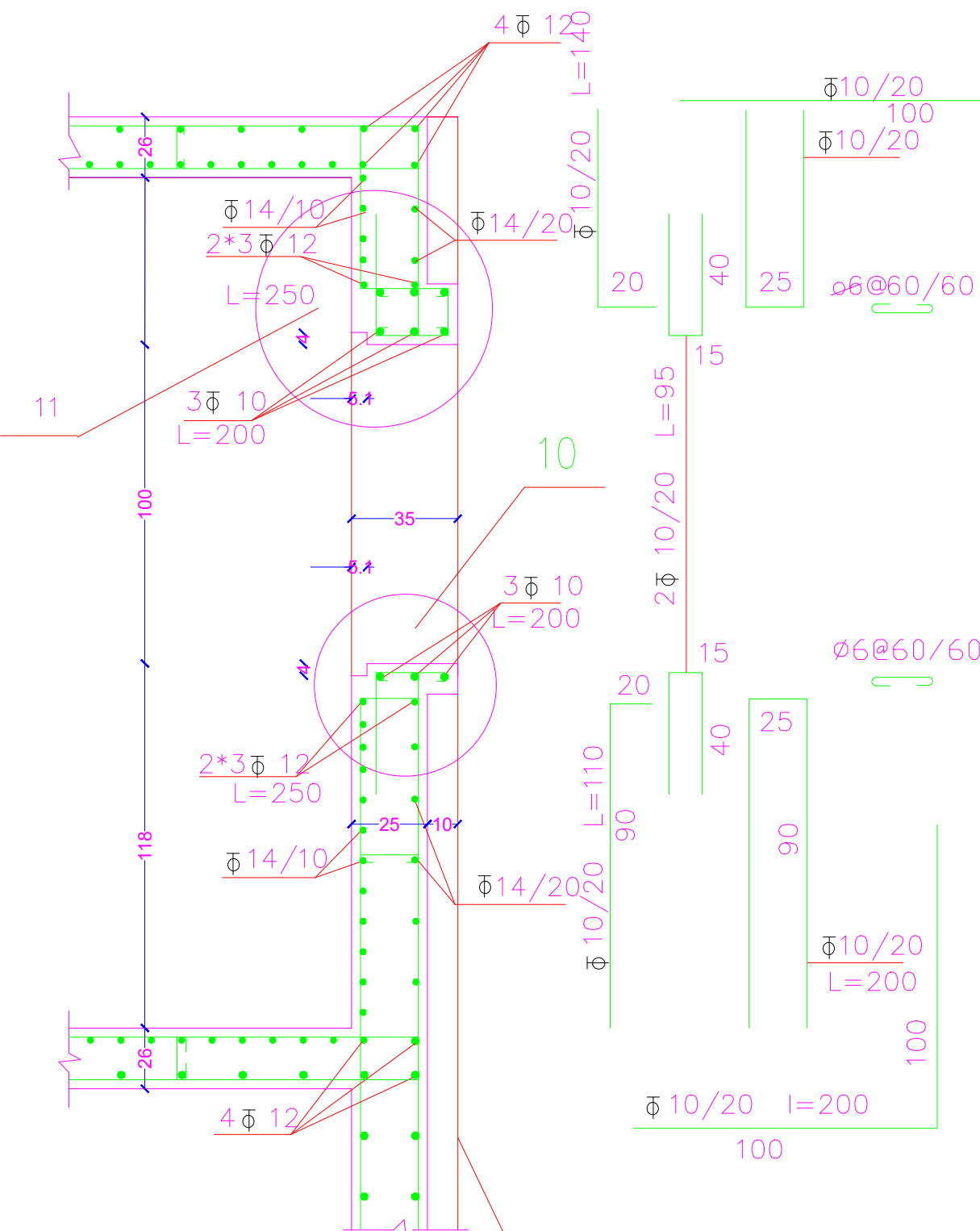




Shelter Section 1



Shelter Section 2



Legends and Symbols:

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Designed by: Eng. Sameh Oweis

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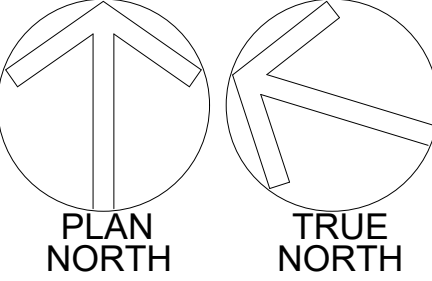
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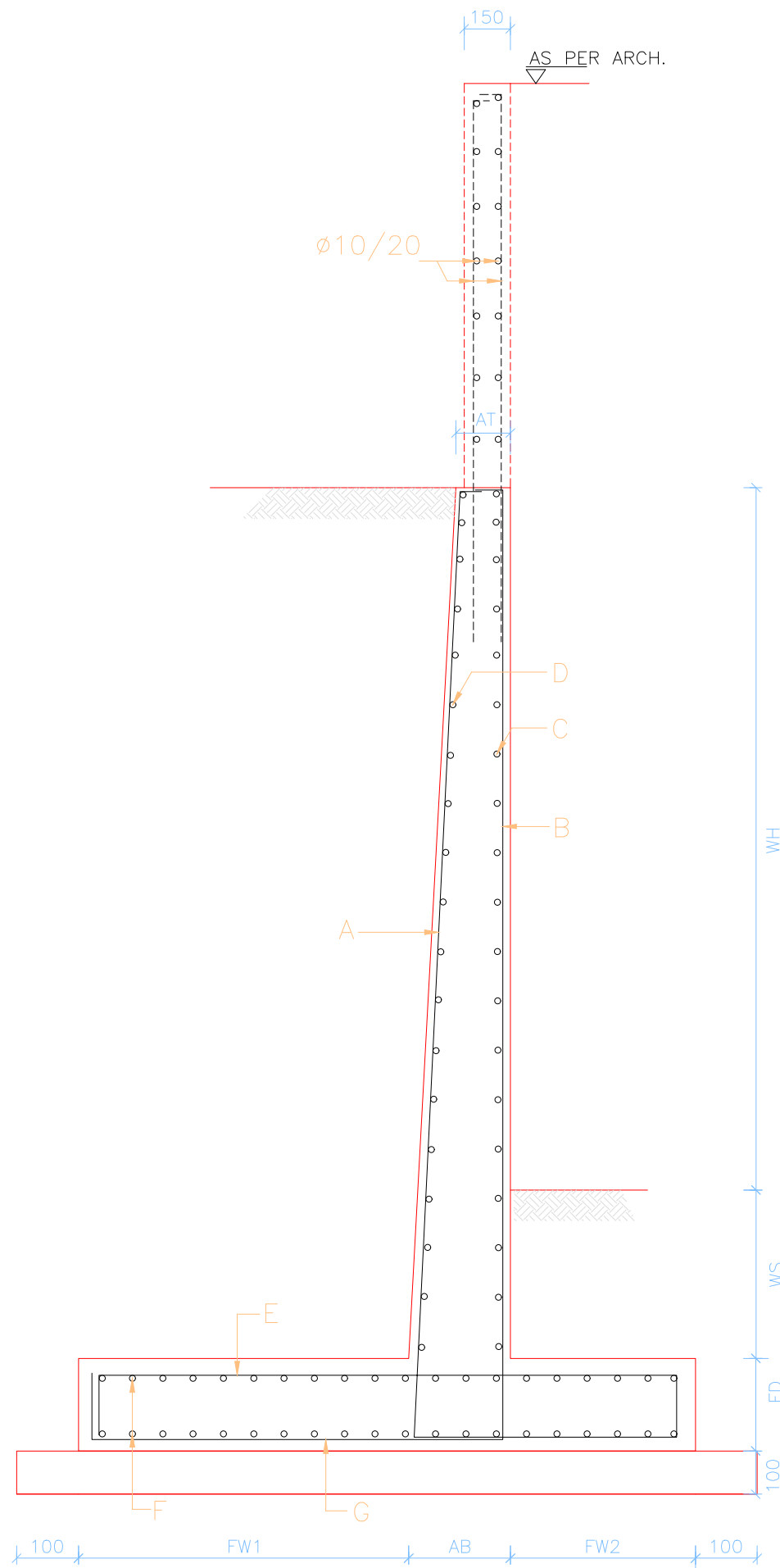
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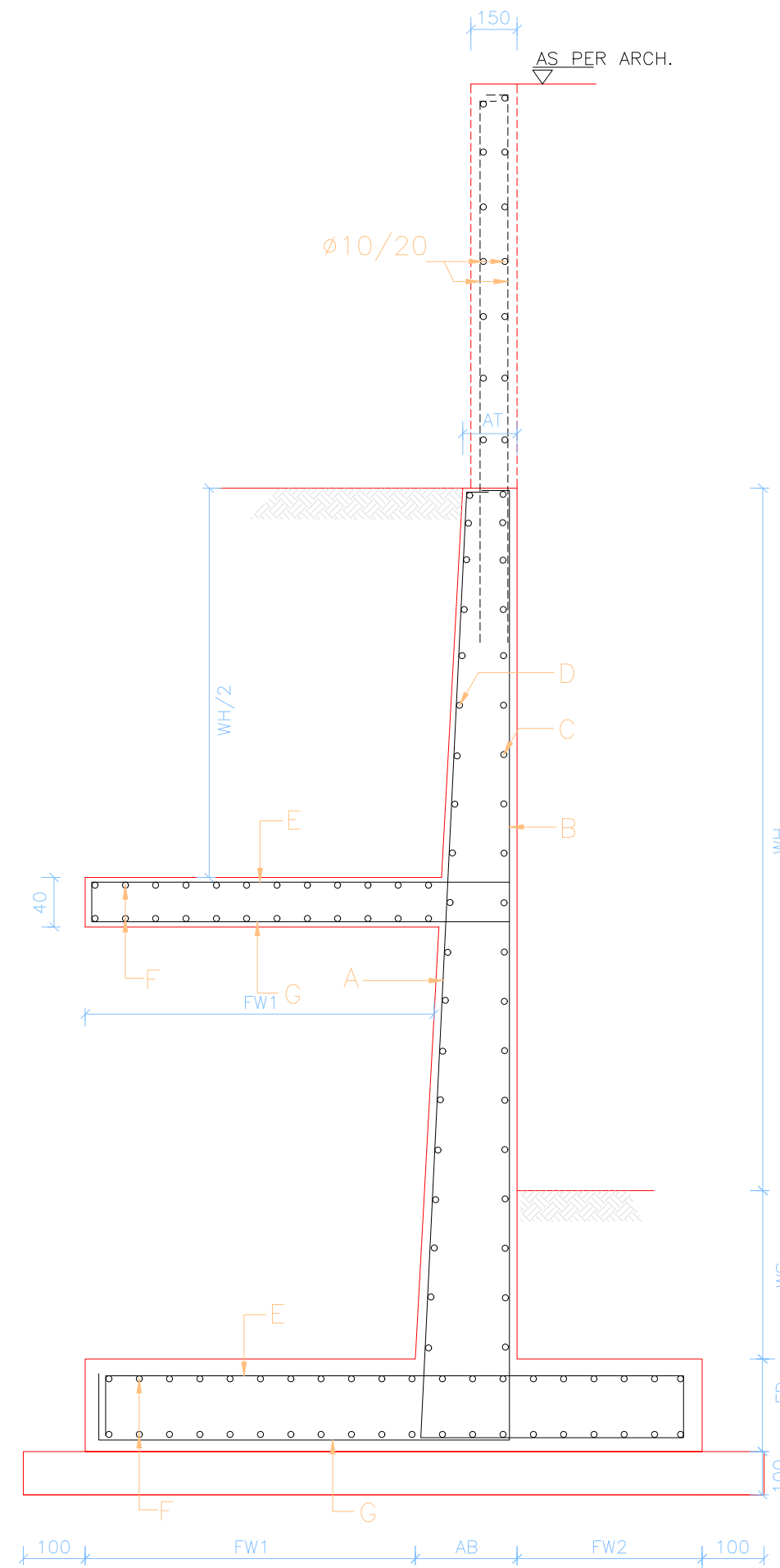
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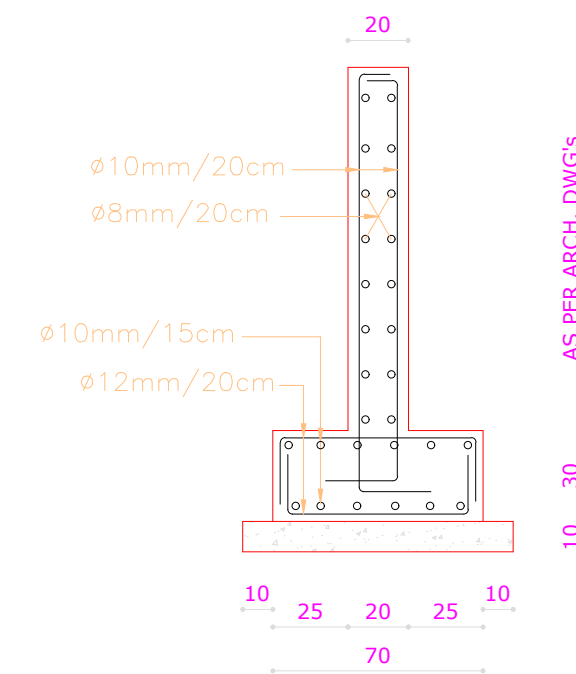
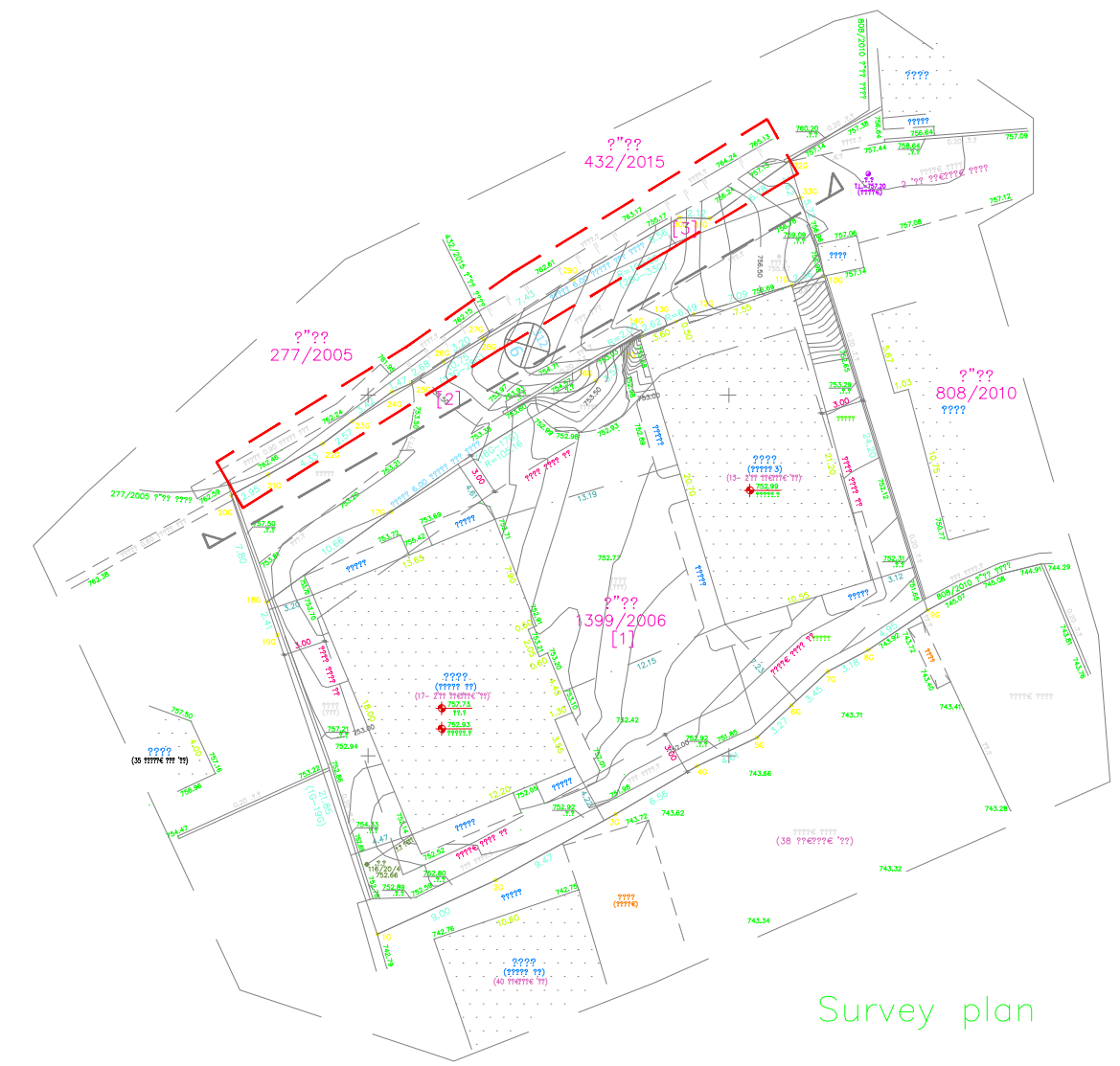




TYPICAL SECTION FOR RW1-RW6



SECTION IN RW7



TYPICAL SECTION IN
B.W.
1:25

Legends and Symbols:

PROJECT NAME:
SUR BAHER SCHOOL

Designed by: Eng. Sameh Oweis

Drawn by: Eng. Abed Hamed

Checked by: Arch. Simon Kouba



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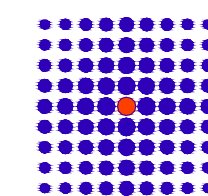
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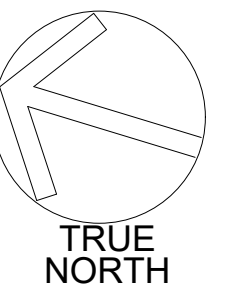
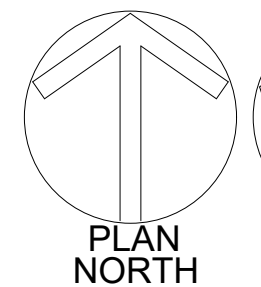
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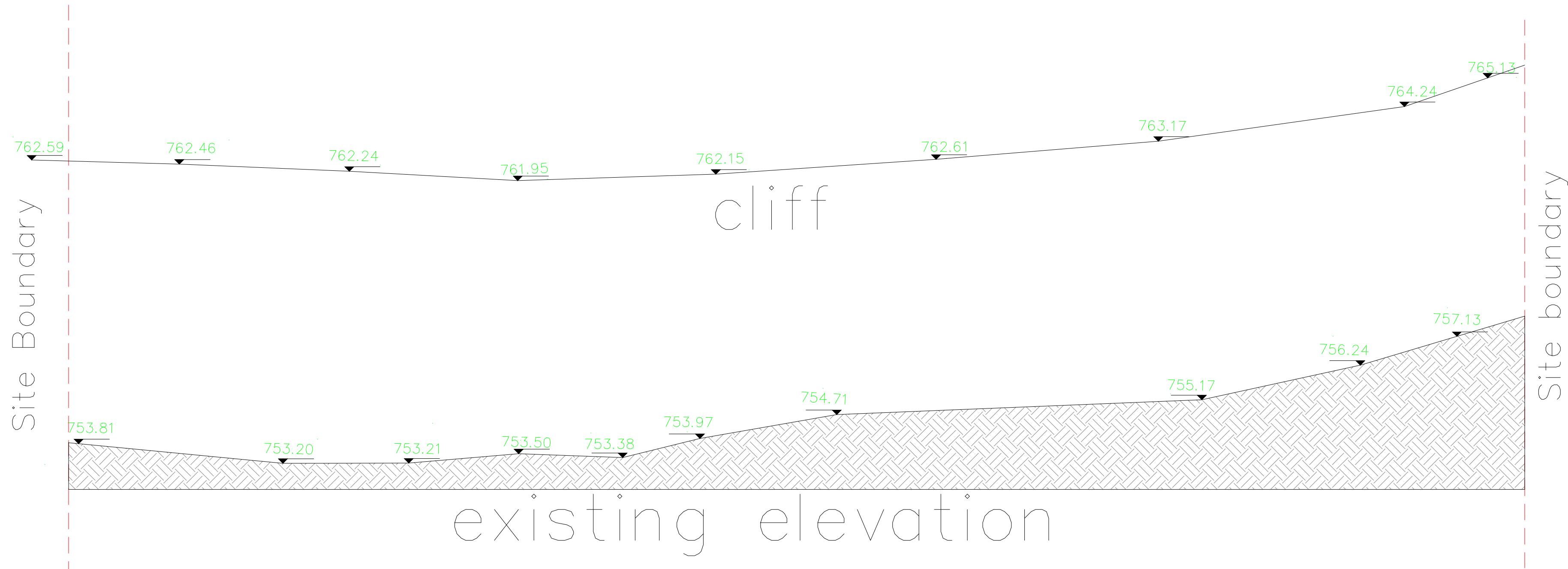
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SECTION A-A SCHEDULE

WALL TYPE	Code	WH	AT	AB	FW1	FW2	FD	WS MIN	A	B	C	D	E	F	G
RW1	RW1	<=100	20	20	40	20	30	50-70	ø12/20	ø10/20	ø10/20	ø10/20	ø12/20	ø10/20	ø10/20
RW2-street 200/250	RW2-S-200 RW2-S-250	101-200	20	25	90	30	30	50-70	ø14/20	ø10/20	ø10/20	ø10/20	ø14/20	ø10/20	ø10/20
RW2-garden 200	RW2-G-200	101-200	20	25	70	30	30	50-70	ø12/20	ø10/20	ø10/20	ø10/20	ø12/20	ø10/20	ø10/20
RW2-garden 250	RW2-G-250	101-200	20	25	60	30	30	50-70	ø12/20	ø10/20	ø10/20	ø10/20	ø12/20	ø10/20	ø10/20
RW3-street 200/250	RW3-S-200 RW3-S-250	201-300	20	30	120	60	35	50-70	ø16/15	ø12/20	ø10/20	ø12/20	ø16/15	ø12/20	ø12/20
RW3-garden 200	RW3-G-200	201-300	20	30	110	60	35	50-70	ø16/20	ø12/20	ø10/20	ø12/20	ø16/20	ø12/20	ø12/20
RW3-garden 250	RW3-G-250	201-300	20	30	100	50	35	50-70	ø16/20	ø12/20	ø10/20	ø12/20	ø16/20	ø12/20	ø12/20
RW4-street 200/250	RW4-S-200 RW4-S-250	301-400	20	35	160	100	45	50-70	ø20/15	ø14/20	ø12/20	ø14/20	ø20/15	ø14/20	ø14/20
RW4-garden 200	RW4-G-200	301-400	20	35	140	80	45	50-70	ø20/20	ø14/20	ø12/20	ø14/20	ø20/20	ø14/20	ø14/20
RW4-garden 250	RW4-G-250	301-400	20	35	130	70	45	50-70	ø20/20	ø14/20	ø12/20	ø14/20	ø20/20	ø14/20	ø14/20
RW5-garden 250	RW5-G-250	401-500	20	45	180	80	50	50-70	ø20/15	ø14/20	ø14/20	ø14/20	ø20/15	ø14/20	ø14/20
RW5-garden 200	RW5-G-200	401-500	20	45	210	90	50	50-70	ø20/15	ø14/20	ø14/20	ø14/20	ø20/15	ø14/20	ø14/20
RW6-garden 250	RW6-G-250	501-600	20	55	210	140	60	50-70	ø20/15	ø16/15	ø14/15	ø14/15	ø20/15	ø14/20	ø16/15
RW7-garden 250	RW7-G-250	601-700	20	55	210	140	60	50-70	ø20/15	ø16/15	ø14/15	ø14/15	ø20/15	ø14/20	ø16/15
RW3-west1+2 250		201-300	20	30	50	100	35	100	ø16/20	ø12/20	ø10/20	ø12/20	ø16/20	ø12/20	ø12/20

Use RW6 and RW7
for retaining wall

- (1) FOOTINGS DESIGN BASED ON 2.5Kg/Cm^2 & 2.0Kg/Cm^2
- (2) BACKFILLING IN FRONT AND BEHIND WALLS SHALL BE DONE SIMULTANEOUSLY .
- (3) BACKFILLING IN FRONT AND BEHIND WALLS SHALL SELECTED ANGULAR MATERIAL WITH ANGLE OF INTERNAL FRICTION $\phi 30^\circ$

Legends and Symbols:

PROJECT NAME:
SUR BAHER SCHOOL

Designed by: Eng. Sameh Oweis

Drawn by: Eng. Abed Hamed

Checked by: Arch. Simon Kouba



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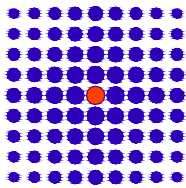
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Site cliff elevation and Retaining wall section schedule

Scale:
Paper Size: A2

Date:
27-8-2020

Sheet No.:
S109

Consultant:



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