

GENERAL NOTES

1. ALL DRAWINGS SHALL BE READ IN CONJUCTION WITH RELEVANT ARCHITECTURAL, SERVICES ,OTHER STRUCTURAL AND SPECIALIST DRAWINGS. WHERE HOLES,FIXING ETC ARE REQUIRED,BARS MAY BE DISPLACED SLIGHTLY TO ACCOMODATE THESE BUT THEY MUST NOT BE CUT OR REMOVED.
2. ALL DIMENSIONS ARE IN MILIMETRES UNLESS NOTED OTHERWISE
3. WORK TO FIGURED DIMENSIONS ONLY
4. MATERIALS QUALITY:

(a). STEEL REINFORCEMENT SHALL BE FREE OF RUST OR DIRT.

(b). FINE AGGREGATE SHALL BE RIVER SHARP SAND FREE FROM MUD

(c). COARSE AGGREGATES SHALL BE CLEAN WELL GRADED GRANITE CHIPPINGS AND SHALL HAVE A MAXIMUM SIZE OF 20MM UNLESS OTHERWISE SPECIFIED

(d). WATER FOR MIXING CONCRETE SHALL BE CLEAN AND DRINKABLE
5. MATERIALS CHARACTERISTIC STRENGTH:

(a). CONCRETE TO BE GRADE 30 IN FOUNDATIONS

(b). CONCRETE TO BE GRADE 30 FOR SLABS AND BEAMS

CONCRETE TO BE GRADE 35 FOR COLUMNS

(c). ALL BLINDING CONCRETE MIX RATIO TO BE 1:3:6 (CEMENT-SAND-COARSE AGGREGATE)

(d). CHARACTERISTIC STRENGHT OF HIGH TENSILE REBARS TO BE 410N/MM2

(e). CHARACTERISTIC STRENGHT OF MILD STEEL REBARS TO BE 410N/MM2

(f). Y = DENOTES HIGH TENSILE REBARS TO BS 4449 AND 4461.

(g). R = DENOTES MILED STEEL REBARS TO BS 4449 AND 4461.

(h). R = ALL REBAR BENDING SHAPES ARE ACCORDING TO BS4466.

6. DRAWINGS DETAILING:

(a). T = TOP

TT = TOP TOP

TB = TOP BOTTOM

(b). B = BOTTOM

BT = BOTTOM TOP

BB = BOTTOM BOTTOM

(c). AS = ALTERNATELY STAGGERED

(d). AP = ALTERNATELY PLACED

(e). NF = NEAR FACE

(f). FF = FAR FACE

(g). EF = EACH FACE
7. STRUCTURAL STEEL WORK:

(a). FABRICATION,WELDING AND ERECTION OF STRUCTURAL STEELWORK SHALL CONFORM TO BS 449 PART 2

(b). ALL WELDS ARE TO BE 6MM FILLET WELDS CONTINUOUS EXCEPT WHERE OTHERWISE INDICATED.

(c). ALL STRUCTURAL STEELWORKS SHALL BE MILD STEEL GRADE 43 TO BS 4360 EXCEPT WHERE OTHERWISE INDICATED

(d). ALL STRUCTURAL STEELWORKS SHALL BE TREATED WITH TWO LAYERS OF ANTI-RUST PAINTS PROPERLY APPLIED.

(e). ANTI-SAG RODS ARE TO BE PROVIDED AS INDICATED ON DRAWINGS. WHERE THEY ARE NOT SHOWN,THEY ARE GENERALLY TO BE PLACED AT MID SPAN OF PURLINS OR TO PURLIN MANUFACTURERS SPECIFICATIONS

PROJECT:  
THE URBAN  
SHELTER  
TOWER

CLIENT:

LOCATION:

CENTRAL BUSINESS  
DISTRICT, ABUJA,  
NIGERIA

DRAWING  
TITLE:

general notes

SCALE:

nts

DESIGNED: TOSIN

DRAWN: LUKMAN

CHECKED: TOSIN

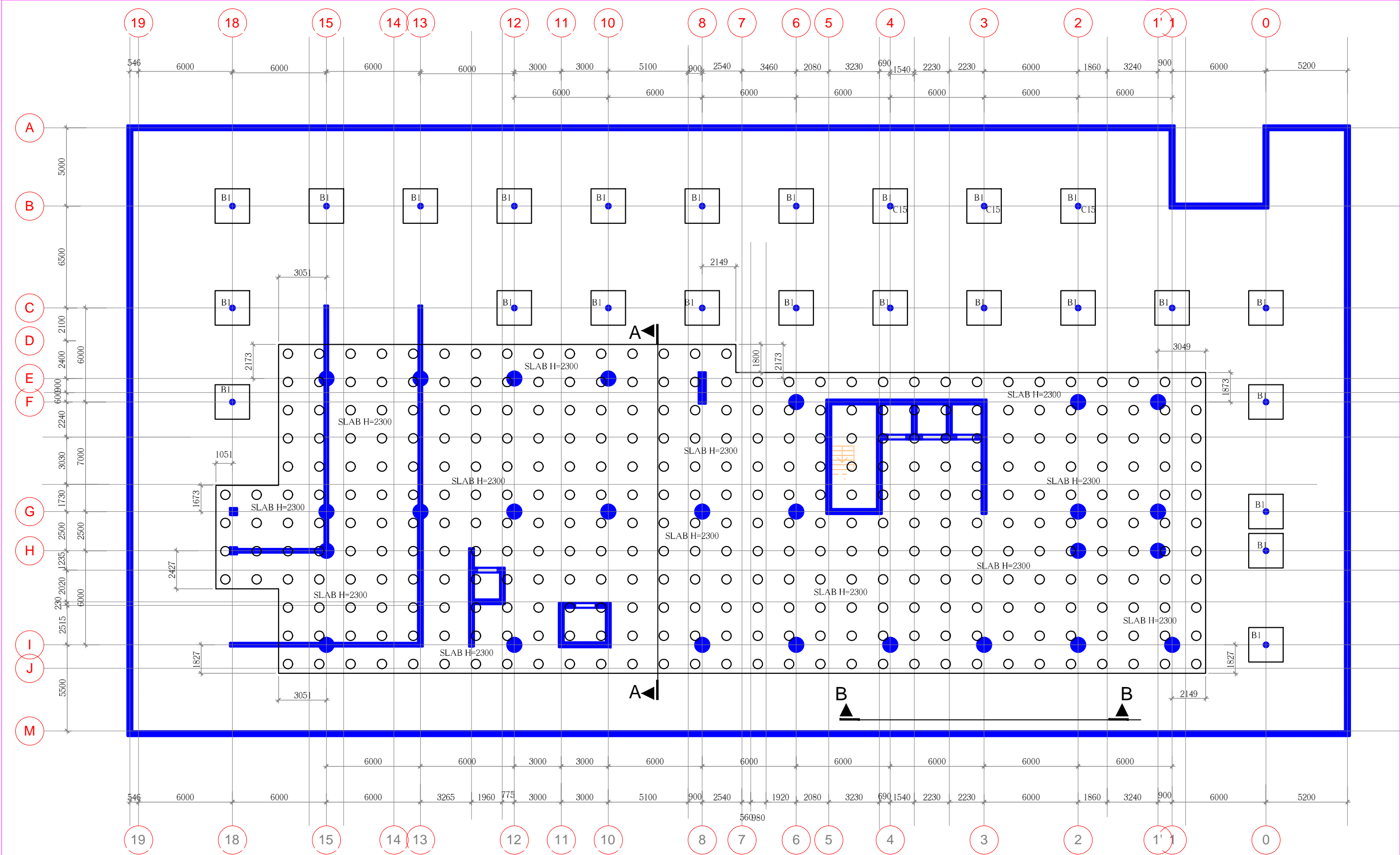
DATE:

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S100



# PILED RAFT LAYOUT

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THE URBAN  
SHELTER  
TOWER

CLIENT:  
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LOCATION:  
CENTRAL BUSINESS  
DISTRICT, ABUJA,  
NIGERIA

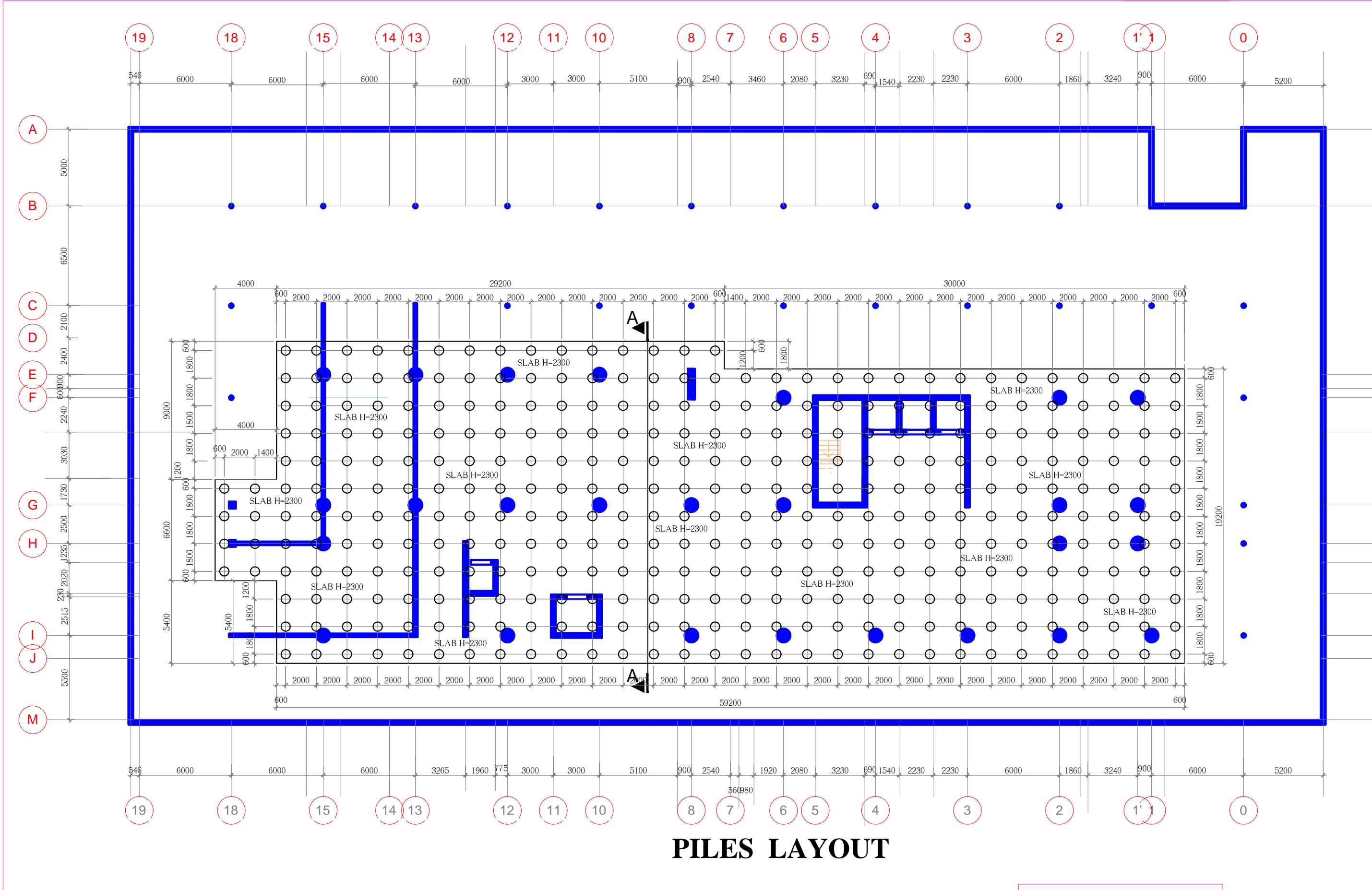
DRAWING  
TITLE: PILED RAFT LAYOUT  
SCALE: 1:225

DESIGNED: TOSIN  
DRAWN: LUKMAN  
CHECKED: TOSIN

DATE:  
AUGUST,  
2019

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S101



# PILES LAYOUT

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THE URBAN  
SHELTER  
TOWER

CLIENT:

LOCATION:  
CENTRAL BUSINESS  
DISTRICT, ABUJA,  
NIGERIA

DRAWING  
TITLE: PILES  
LAYOUT

SCALE:  
1: 225

DESIGNED: TOSIN

DRAWN: LUKMAN

CHECKED: TOSIN

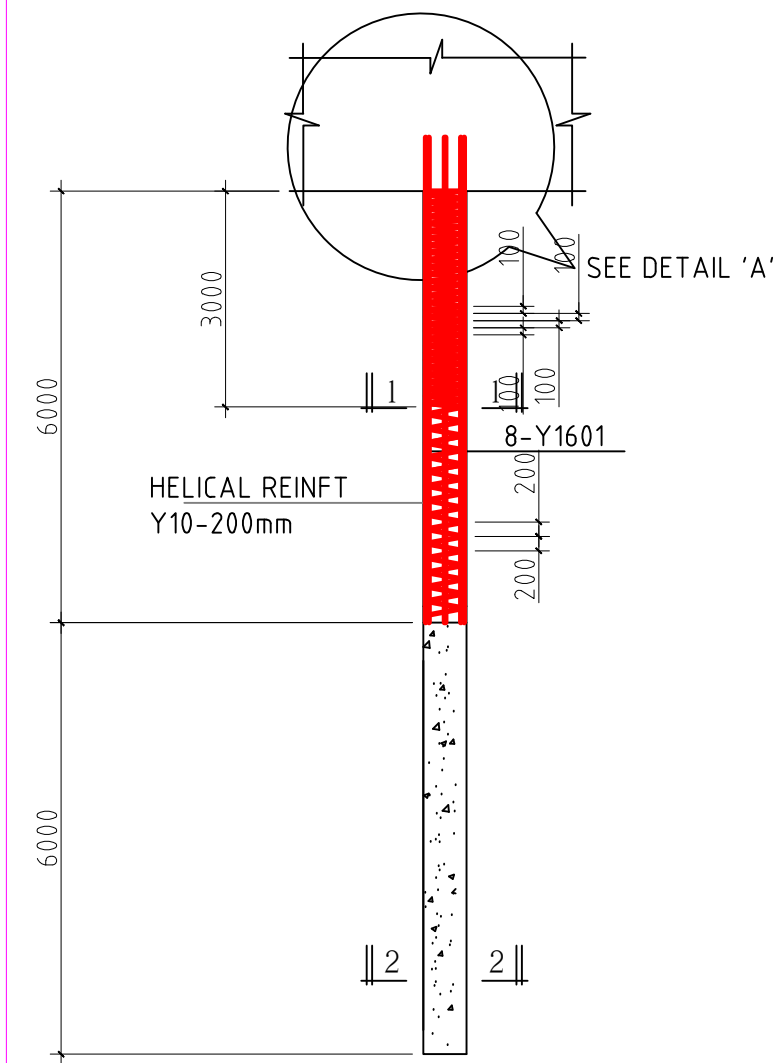
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2019

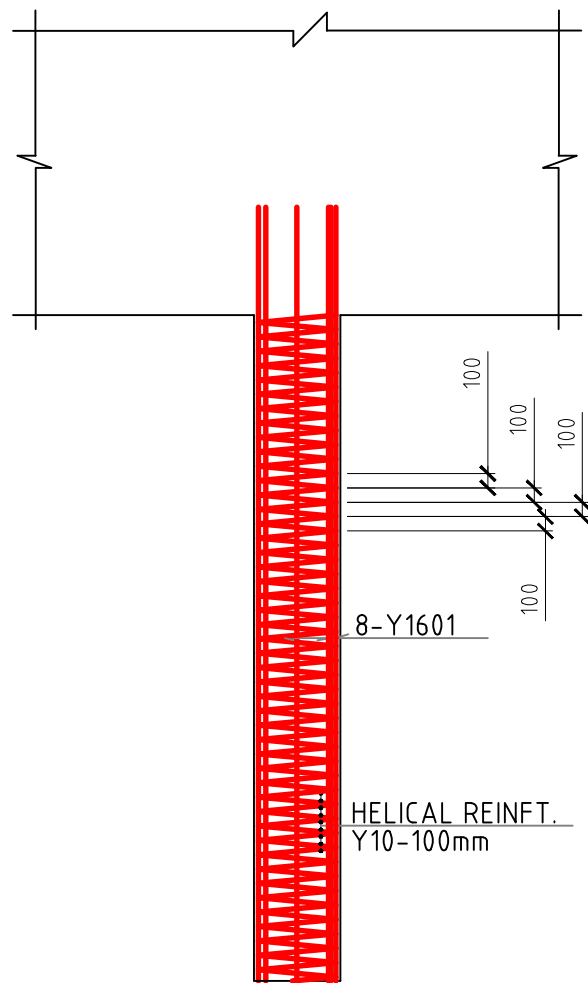
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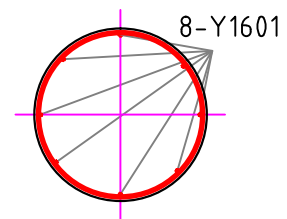
S102



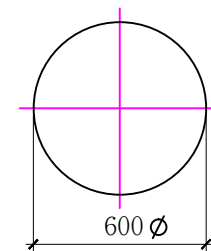
ELEVATION  
351 Nos.  
SCALE 1:100



DETAIL A  
SCALE 1:50



SEC. 1-1  
SCALE 1:25



SEC. 2-2  
SCALE 1:25

PROJECT:  
THE URBAN  
SHELTER  
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CLIENT:

LOCATION:

CENTRAL BUSINESS  
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NIGERIA

DRAWING TITLE: PILES DETAILS

SCALE: 1:100,50,25

DESIGNED: TOSIN

DRAWN: LUKMAN

CHECKED: TOSIN

DATE:

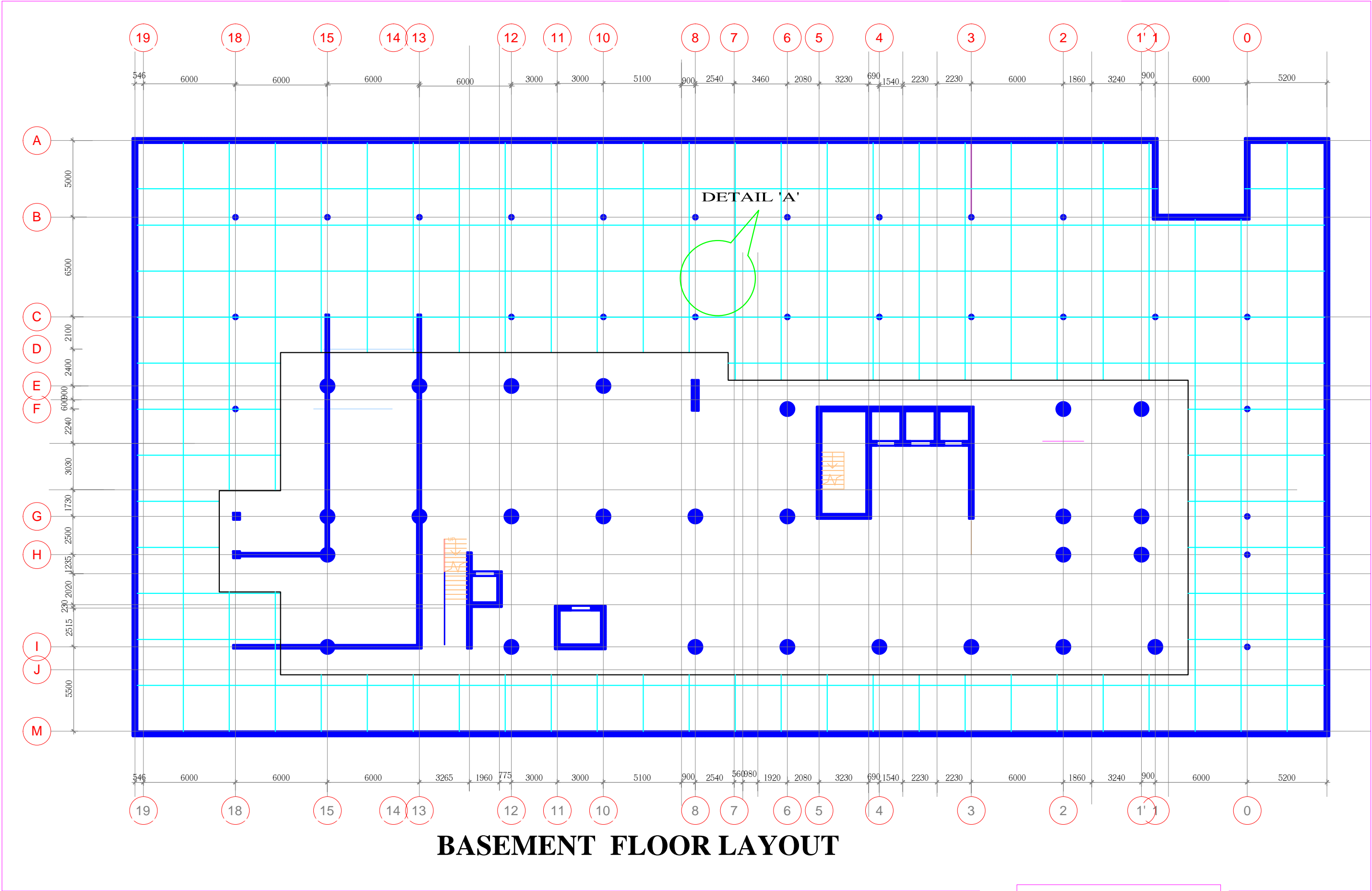
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\$1020



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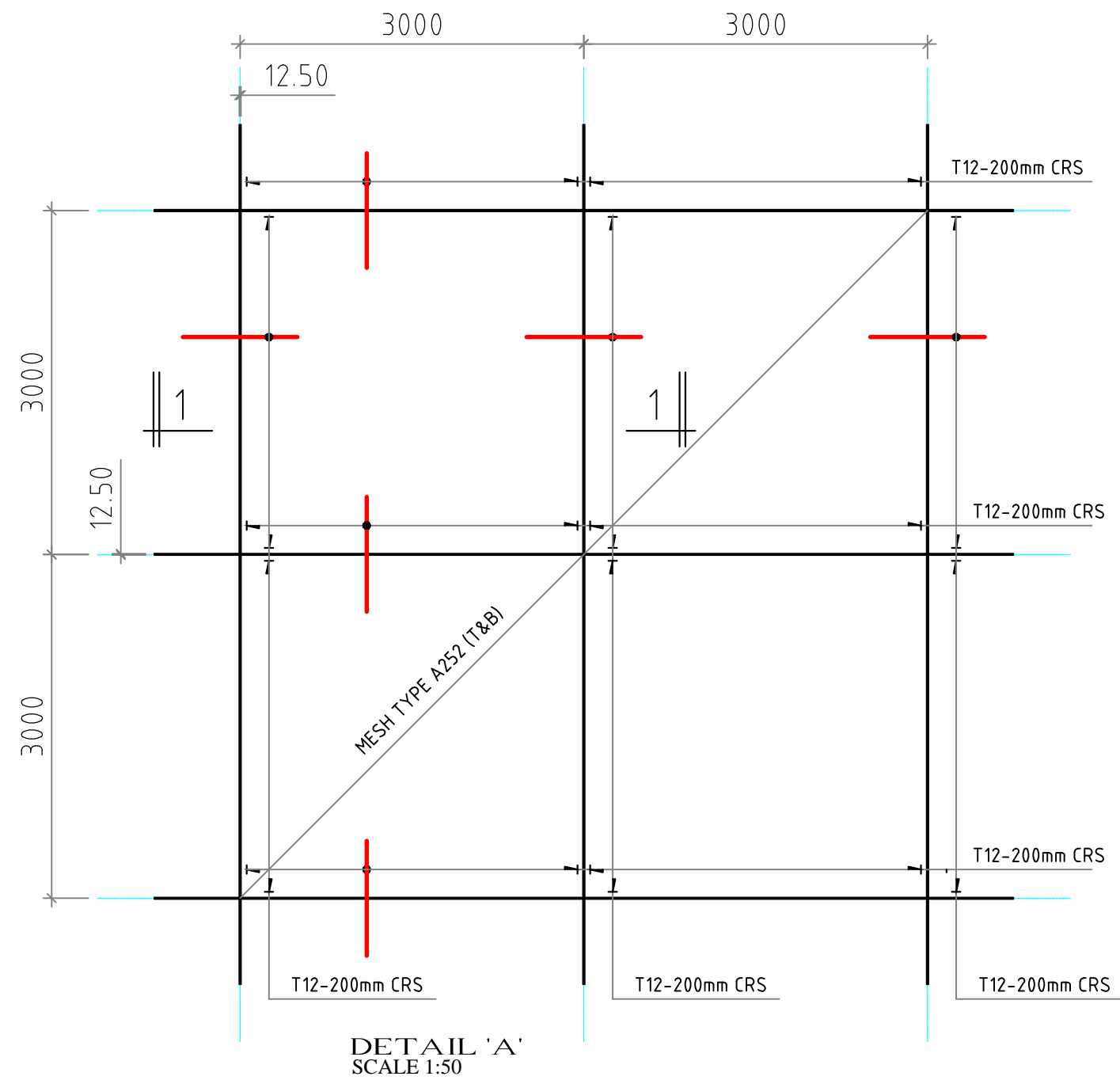
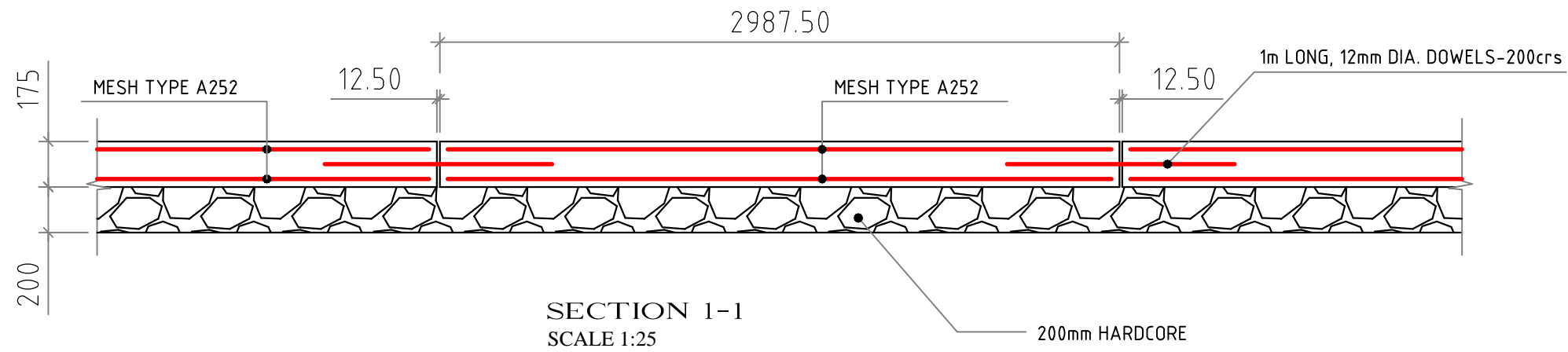
DRAWING  
TITLE: BASEMENT FLOOR  
SLAB LAYOUT  
SCALE: 1:225

DESIGNED: TOSIN  
DRAWN: LUKMAN  
CHECKED: TOSIN

DATE:  
AUGUST,  
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DRAWING  
TITLE: BASEMENT FLOOR  
SLAB DETAILS

SCALE:  
1: 225

DESIGNED: TOSIN  
DRAWN: LUKMAN  
CHECKED: TOSIN

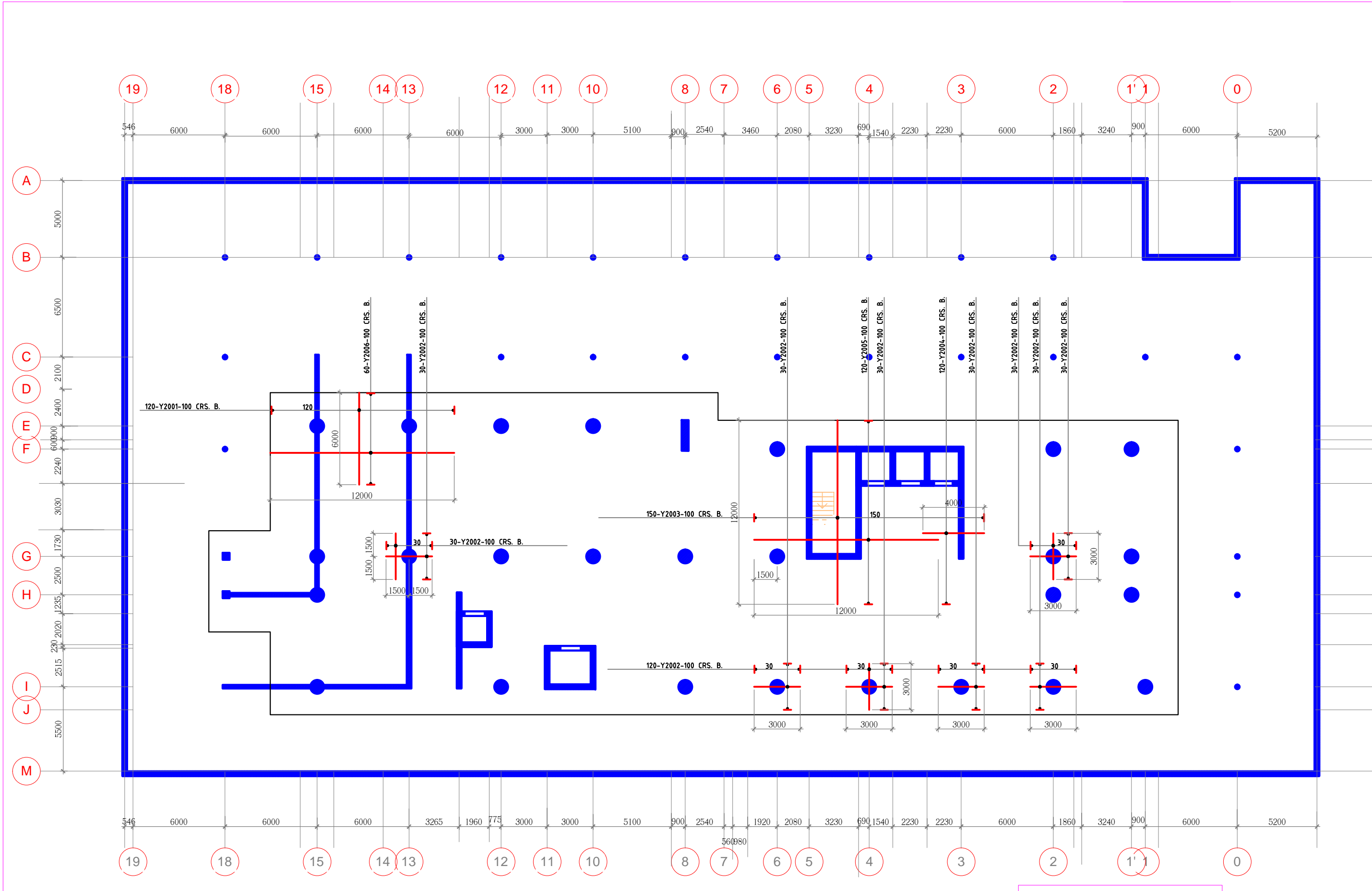
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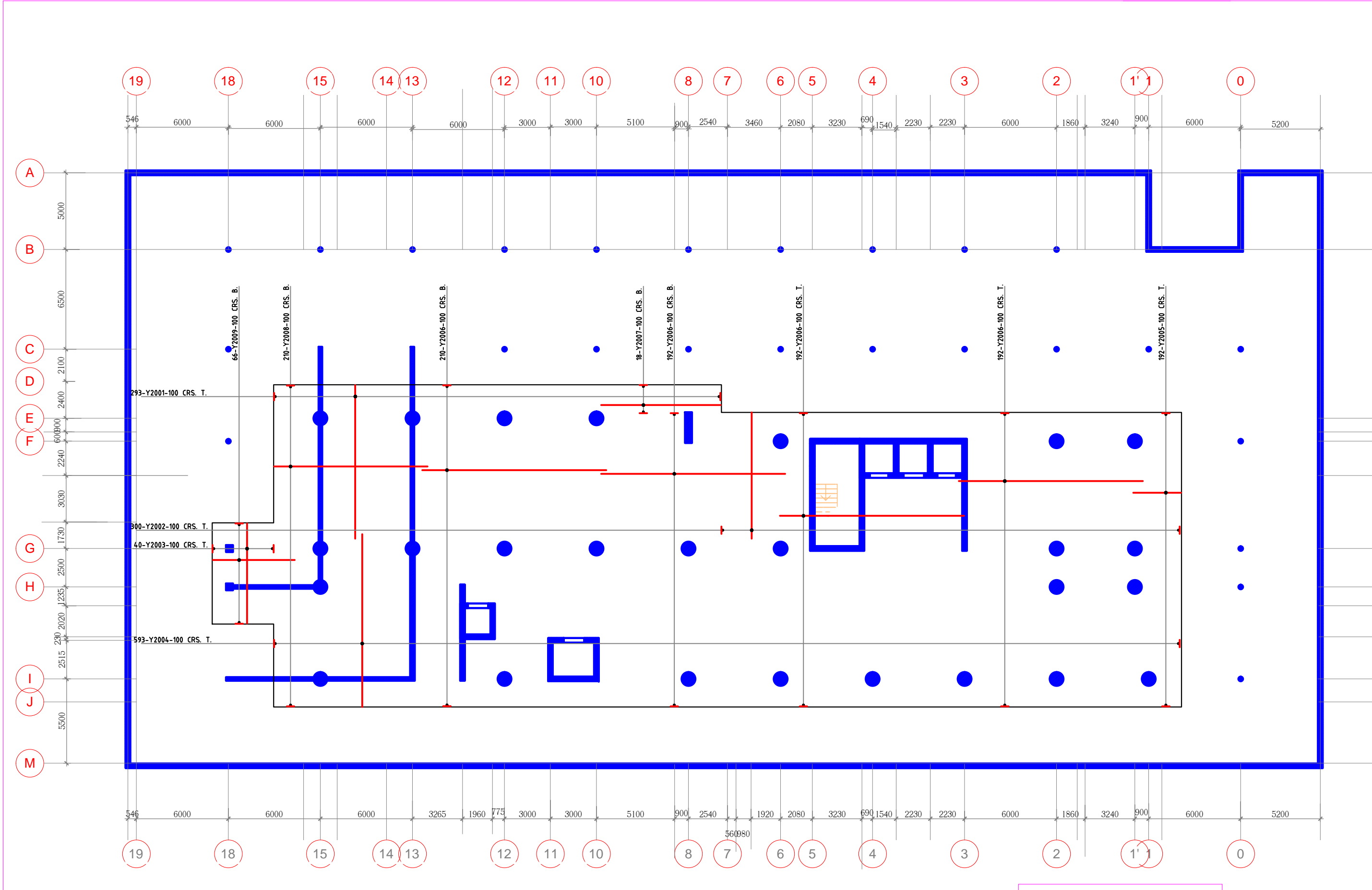
DRAWING  
TITLE: PILED RAFT REINF.  
ADD.BOTTOM REINF.  
SCALE: 1:225

DESIGNED: TOSIN  
DRAWN: LUKMAN  
CHECKED: TOSIN

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AUGUST,  
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PROJECT:  
THE URBAN  
SHELTER  
TOWER

CLIENT:  
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LOCATION:  
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NIGERIA

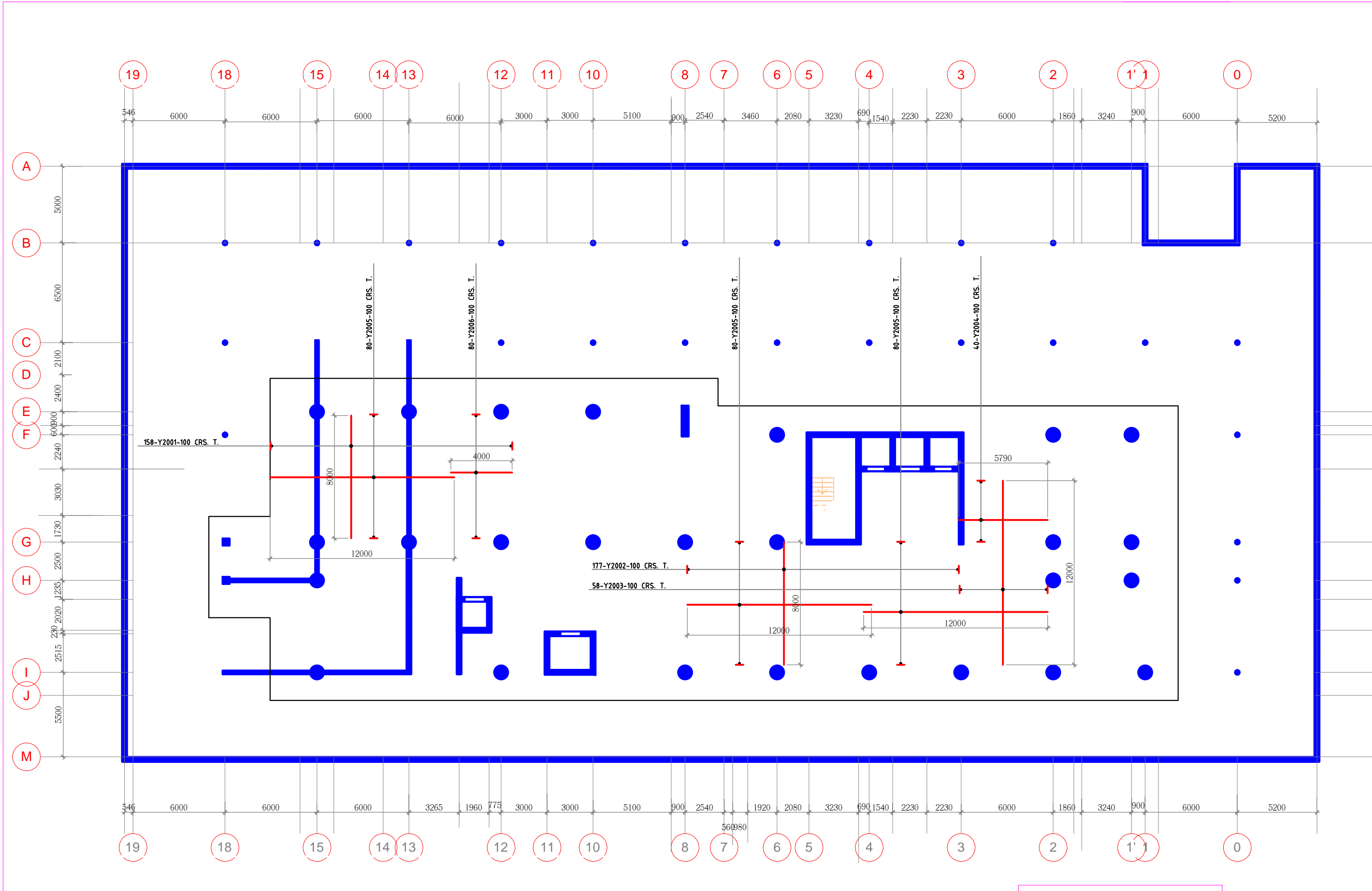
DRAWING  
TITLE: PILED RAFT REINF.  
TOP REINF.  
SCALE: 1:225

DESIGNED: TOSIN  
DRAWN: LUKMAN  
CHECKED: TOSIN

DATE:  
AUGUST,  
2019

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NIGERIA

DRAWING  
TITLE: PILED RAFT REINF.  
ADD. TOP REINF.  
SCALE: 1:225

DESIGNED: TOSIN  
DRAWN: LUKMAN  
CHECKED: TOSIN

DATE:  
AUGUST,  
2019

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