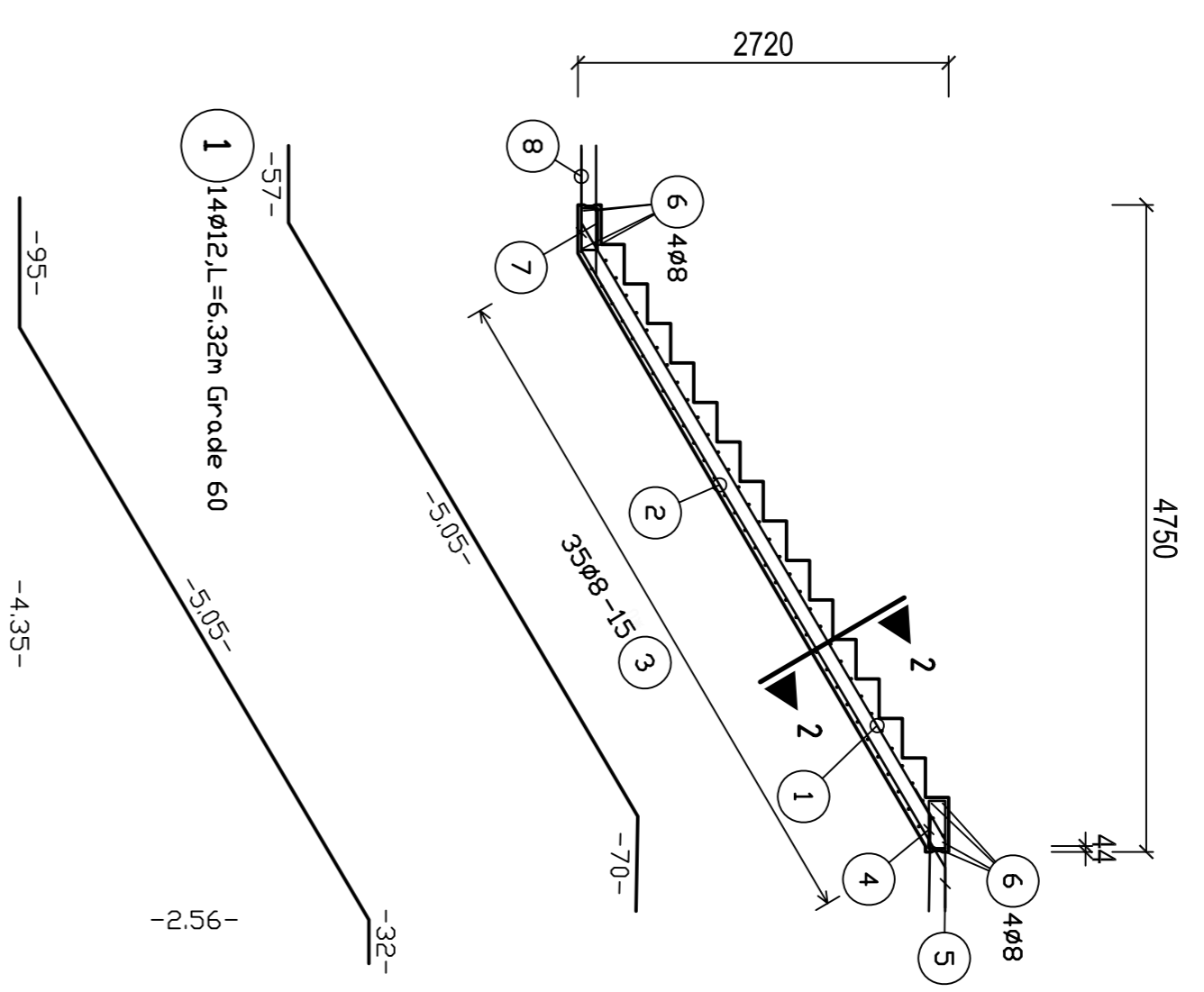
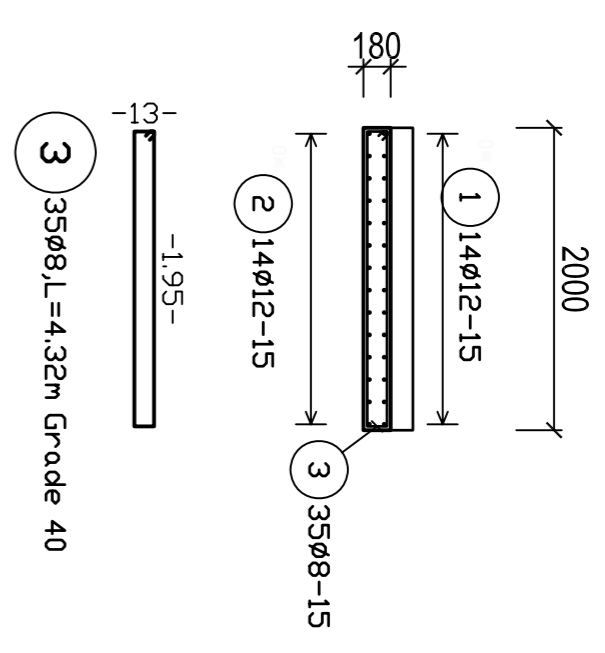


Stair
SECTION 1-1

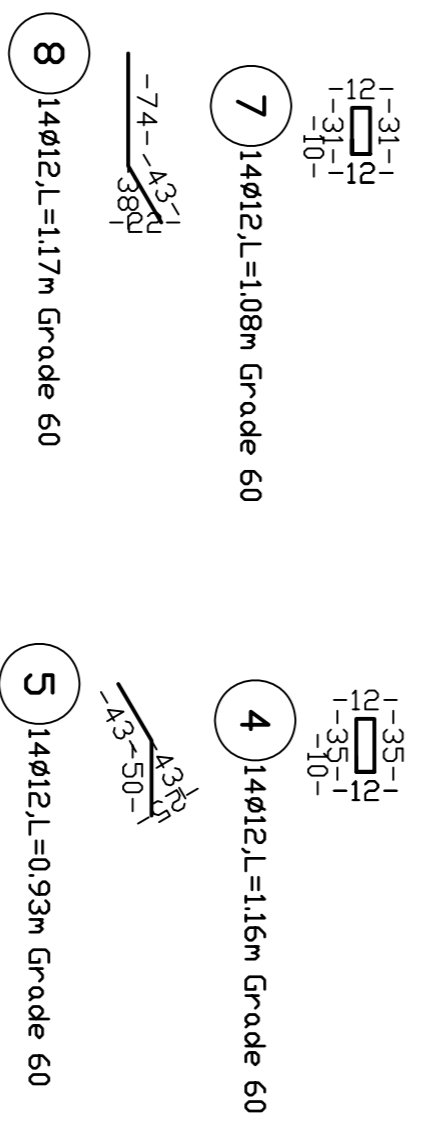


SECTION 2-2

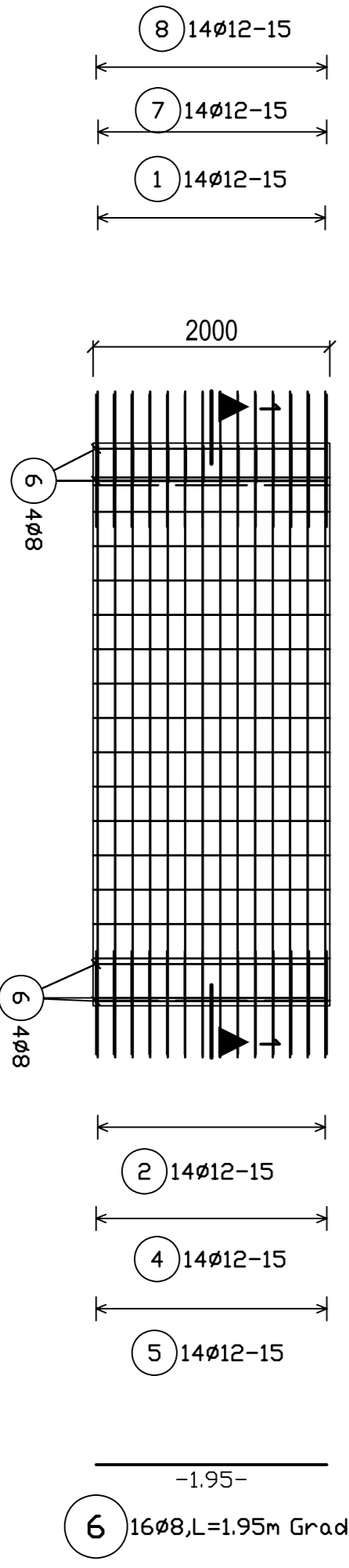


NOTE:

- ANY CHANGES OF THE BENDING FORM NEED THE APPROVAL OF THE ENGINEER OR STRUCTURAL ENGINEER.
- THE CONTRACTOR SHALL NOTIFY THE ENGINEER FAR ENOUGH IN ADVANCE (48 HOURS) OF EACH CONCRETE POUR TO ALLOW AMPLE TIME TO CHECK THE LAYOUT OF THE STEEL BEFORE THE BEGINNING OF THE ACTUAL POUR, BUT NOT PRIOR TO 90% OF THE STEEL HAVING BEEN PLACED.
- CONTRACTOR SHALL PROVIDE NECESSARY CONSTRUCTION JOINTS IN MONOLITHIC CONCRETE POURS SO THAT THE QUALITY OF PLACEMENT AND FINISH MEETS THE REQUIREMENTS OF PLANS AND SPECIFICATIONS. THE CONTRACTOR SHALL SUBMIT A PLAN SHOWING THE LOCATION OF ALL CONSTRUCTION JOINTS TO THE STRUCTURAL ENGINEER FOR APPROVAL. THERE SHALL BE NO HORIZONTAL CONSTRUCTION JOINTS IN CONCRETE POURS. ALL VERTICAL REINFORCING AT CONSTRUCTION JOINTS SHALL BE AS SPECIFIED BY THE STRUCTURAL ENGINEER. SEE TYPICAL CONSTRUCTION JOINT DETAILS.
- FIX REINFORCEMENT AS SHOWN IN DRAWING
- MAINTAIN COVER TO ALL PIPES, CONDUITS, REGLETS, DRIP GROOVES ETC.
- ANY BAR LAYED ACROSS THE OPENNING HAS TO BE CUT



PLAN VIEW



REFERENCE DRAWINGS

DRW - No.:	DESIGNATION

BAR DIAMETER (d _{bar}) (mm)	MINIMUM BENDING DIAMETER	
	HOOKS, STIRRUPS	INCLINED BARS
< 20	4 d _{bar}	15 d _{bar}
20 to 28	7 d _{bar}	20 d _{bar}

THIS DRAWING BELONGS TO:

FORMWORK DWG No. :

STRUCTURAL ANALYSIS :

BAR POSITION :

STEEL GRADE :

ELEMENT :


Stair

ASTM A 615/615M-04 Grade 40 / 60	CONCRETE	CONCRETE COVER (cm)		
		top	bottom	lateral
		2.5	2.5	2.5
				inside
				outside

No.	REVISION	DESCRIPTION
e		
d		
c		
b		
a		

NAME	DATE	NAME	DATE
PREPARED	CHANGED	CHECKED	

STRUCTURAL DESIGN



ATTA – Structural Engineering & Consulting Co., Ltd.

DRAWING KIND	Rebar Drawing	CONSTRUCTION STAGE	
PLANNING STAGE	DESIGNATION	PROJECT	
STAIR		OFFICE BUILDING	
PROJECT No.	ORIG. SIZE	ORIG. SCALE	DRAWING No.
XXX	A2	1:50	XXX
			REV.