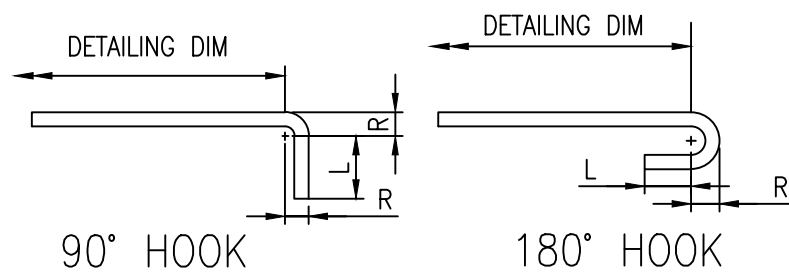


MASONRY

- ALL MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE APPLICABLE STANDARDS AND SPECIFICATIONS OF THE NATIONAL CONCRETE MASONRY ASSOCIATION AND UNIFORM BUILDING CODE.
- CONCRETE MASONRY UNITS SHALL CONFORM TO ASTM C 90 GRADE N.
- MORTAR AND GROUT FOR ALL REINFORCED MASONRY SHALL CONFORM TO ASTM 270-TYPE M AND SHALL HAVE A MINIMUM 28-DAY STANDARD CYLINDER COMPRESSIVE STRENGTH OF 21 MPa (3000 PSI).
- WHERE APPLICABLE BEAM BLOCKS SHALL BE PROVIDED ON TOP OF WALL OPENINGS TO EXTEND 400mm FROM EDGE OF OPENINGS.
- ALL MASONRY WALLS SHALL BE REINFORCED ACCORDING TO THE FOLLOWING SCHEDULE OF CONCRETE HOLLOW BLOCK REINFORCEMENT UNLESS OTHERWISE INDICATED IN THE PLANS.

BLOCK THICKNESS (mm)	REINFORCEMENT (MIN.)		NOTES
	HORIZONTAL	VERTICAL	
100	Ø10 @ 600mm O.C.	Ø10 @ 600mm O.C.	A. MIN. LAP SPLICES=250mm B. PROVIDE RIGHT ANGLED REINF. 900mm LONG C. WHERE CHB WALLS ADJOIN COLUMNS, RC BEAMS & WALL, PROVIDE DOWELS W/ THE SAME SIZE AS VERT. OR HOR. REINFORCEMENT. D. FOR HIGH WALLS PROVIDE BEAM BLOCKS AT EVERY 3000mm & POST AT 5000mm O.C. SEE DETAIL
150	Ø10 @ 600mm O.C.	Ø12 @ 600mm O.C.	



BAR SIZE (mm)	BEND RADIUS, R (mm)	L FOR 180° (mm)	L FOR 90° (mm)
10 Ø	40	65	120
12 Ø	50	65	145
16 Ø	65	65	195
20 Ø	80	80	240
25 Ø	100	100	300

1 STANDARD HOOK DIMENSIONS
S-01 SCALE NTS

2 GENERAL NOTES
S 1 SCALE NTS

COLUMNS

- BEAM-COLUMN JOINTS SHALL BE PROVIDED WITH TRANSVERSE REINFORCEMENT WITH 100mm MAXIMUM SPACING. THE FIRST HOOP SHALL BE 50mm FROM SOFFIT OF BEAMS AND THE LAST ONE SHALL ALSO BE 50mm FROM TOP OF BEAM. REFER TO DETAIL 2 TYPICAL COLUMN REINFORCEMENT DETAIL.
- LAP SPLICES, WHEN REQUIRED, ARE PERMITTED ONLY W/IN THE CENTER HALF OF THE COLUMN LENGTH AND SHALL BE PROPORTIONED AS TENSION SPLICES IN NO CASE SHALL THE LAP SPLICE BE LOCATED CLOSER THAN A DISTANCE EQUAL TO THE MAXIMUM COLUMN DIMENSION FROM THE FACE OF THE BEAM COLUMN JOINT. PROVIDE EXTRA TRANSVERSE REINFORCEMENT OF THE SAME SIZE AND ARRANGEMENT INDICATED IN THE COLUMN SCHEDULE SPACED AT MOST ONE-FOURTH THE MINIMUM COLUMN SECTION DIMENSION THROUGHOUT THE LENGTH OF THE SPLICE.
- WELDED SPLICES AND MECHANICAL CONNECTIONS MAY BE USED AT ANY SECTION PROVIDED NOT MORE THAN ALTERNATE LONGITUDINAL BARS ARE SPICED AT ANY SECTION AND THE DISTANCE BETWEEN SPLICES MUST BE 600mm OR MORE ALONG THE AXIS OF THE COLUMN.
- COLUMN TIE SPACING SHALL NOT BE GREATER THAN 1/4 OF THE COLUMN SECTION NOR 100mm OVER A DISTANCE OF MAXIMUM COLUMN SECTION BUT NOT LESS THAN 1/6 OF CLEAR STOREY HEIGHT OR 450mm FROM EACH JOINT FACE.

SLAB-ON-GRADE

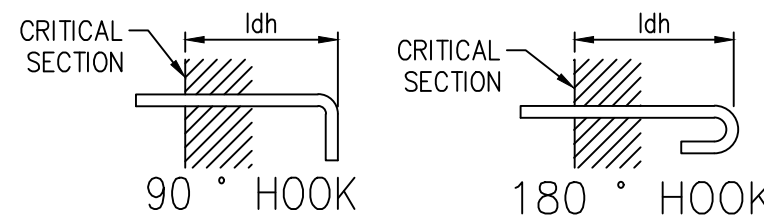
- THE SOIL SUBGRADE AND FILL LAYERS BELOW ALL SLABS ON GRADE, PAVING AND PIT SLABS SHALL BE MECHANICALLY COMPACTED IN LAYERS TO A MINIMUM OF 95 PERCENT OF THE MODIFIED PROCTOR DENSITY.
- UNLESS OTHERWISE NOTED, ALL BEDDED SLABS SHALL BE REINFORCED WITH 10mm BARS AT 300mm O.C. EACHWAY AT THE CENTER OF SLAB.

BEAMS

- TOP BARS FOR BEAMS SHALL BE SPLICED AT THE MIDDLE OF THE SPAN. SPLICE SHALL BE CLASS B AND THE SPLICE LENGTH SHALL BE AS SHOWN IN THE TABLE.
- BOTTOM BARS FOR BEAMS SHALL BE SPLICED AT L/4 FROM THE COLUMN FACE. SPLICE SHALL BE CLASS B AND THE LENGTH SHALL BE AS SHOWN IN THE TABLE.
- AT SPLICE LENGTH, CLOSE TIES/HOOPS BE PROVIDED WITH A MAXIMUM SPACING OF 100mm.

SHOP DRAWINGS

- CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR APPROVAL.



BAR SIZE (mm)	ldh (mm)	
	TOP BARS	OTHERS
10 Ø	165	150
12 Ø	205	155
16 Ø	270	205
20 Ø	335	255
25 Ø	620	475

3 MIN HOOKED BAR DEV. LENGTHS
S-01 SCALE NTS



KALINGA STATE UNIVERSITY
INFRASTRUCTURE DEPARTMENT
BULANAO, TABUK CITY, KALINGA

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KGB

CHECKED BY:
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PTR. NO.

DATE

PLACE

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DATE

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CONCURRED BY:
ROBERT A. RODOLFO, Ph.D
CAMPUS ADMINISTRATOR

PROJECT TITLE:
CONSTRUCTION OF KSU
BULANAO GATE 2 PHASE 1

Project Location: Bulanao, Tabuk City, Kalinga

RECOMMENDING APPROVAL:
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