



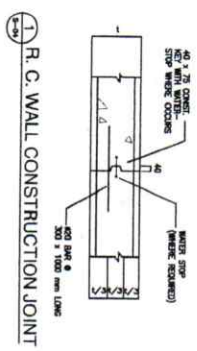




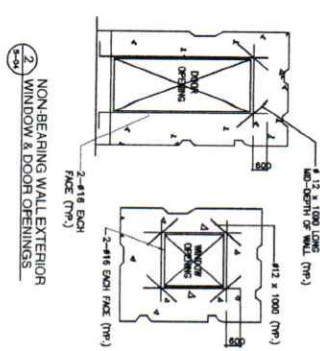




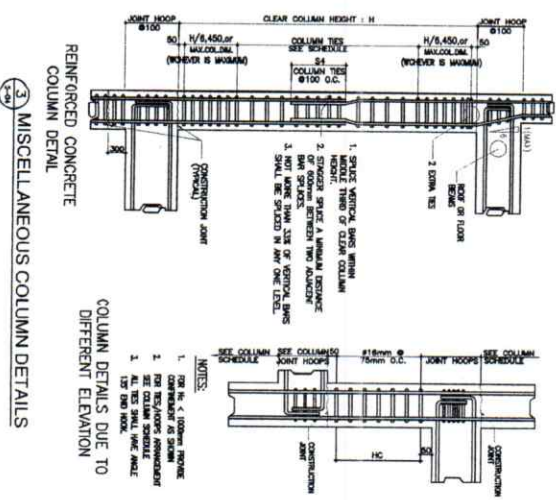
# STRUCTURAL NOTES



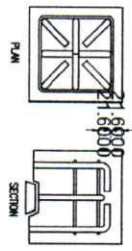
1) R.C. WALL CONSTRUCTION JOINT



2) NON-BEARING WALL EXTERIOR WINDOW & DOOR OPENINGS



3) MISCELLANEOUS COLUMN DETAILS



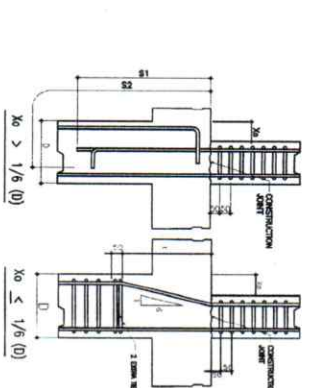
SEISMIC RESISTANT COLUMN SPLICING DETAIL

**NOTES ON LAP SPALCE:**

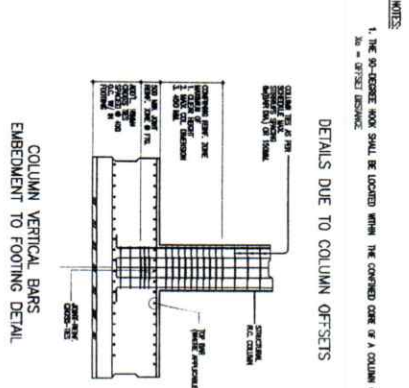
1. CENTER LINE OF SPALCE SHALL BE WITHIN CENTER LINE OF CLEAR COLUMN. COMPRESSION REBAR SHALL BE BENT IN TENSION OR TENSION REBAR SHALL BE BENT IN COMPRESSION. DEVELOPMENT LENGTH SHALL BE AT LEAST 1.25 TIMES OF THE SPALCED TIEB SPALCE OF THE BAR.
2. MINIMUM SPALCE OF TIE IN LAP SPALCE (S) SHALL BE:
  - a) 4/3 OF SMALLEST COLUMN DIAMETER
  - b) BUT NOT LESSER THAN 100mm AND NOT GREATER THAN 150mm.
3. NOT MORE THAN 25% OF THE BARS SHALL BE SPALCED WITHIN THE SPALCED LAP LENGTH.

**NOTES ON MECHANICAL AND WELDED SPALCE:**

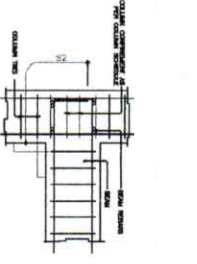
1. MECHANICAL AND WELDED SPALCE SHALL BE BENT IN TENSION OR COMPRESSION AS REQUIRED AT LEAST 1.25 TIMES OF THE SPALCED TIEB SPALCE OF THE BAR.
2. THE MINIMUM SPALCE OF COLUMN FROM BEAM FACE LINES AS STATED IN ITEM (2).
3. MECHANICAL SPALCE SHALL BE PROVIDED TO BE USED AT ANY SPALCE LENGTH. MECHANICAL SPALCE SHALL BE BENT IN TENSION OR COMPRESSION AS REQUIRED AT LEAST 1.25 TIMES OF THE SPALCED TIEB SPALCE OF THE BAR.



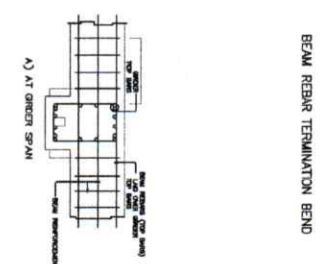
DETAILS DUE TO COLUMN OFFSETS



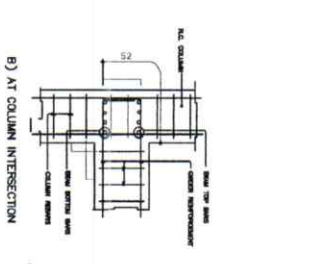
COLUMN VERTICAL BARS EMBEDMENT TO FOOTING DETAIL



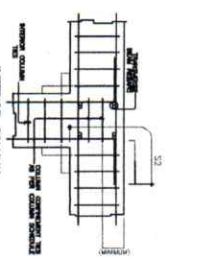
BEAM REBAR TERMINATION BEND



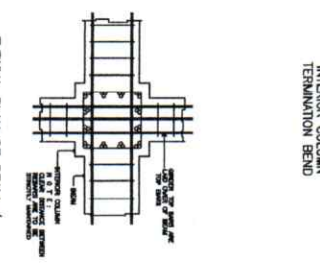
TYPICAL PLAN OF BEAM / GIRDER COLUMN JOINT



TYP. BEAM AND GIRDER REBAR LAYOUT



INTERIOR COLUMN TERMINATION BEND



CORNER / EXTERIOR COLUMN TERMINATION BEND

PREPARED BY: ROMBION STATE UNIVERSITY  
 PROJECT TITLE: REHABILITATION AND FURNISHING OF OLD/EXISTING UNIVERSITY LIBRARY  
 SHEET CONTACT: AS SHOWN  
 PREPARED BY: CAD OPERATOR: BCSG / SIM  
 DATE: 21/12

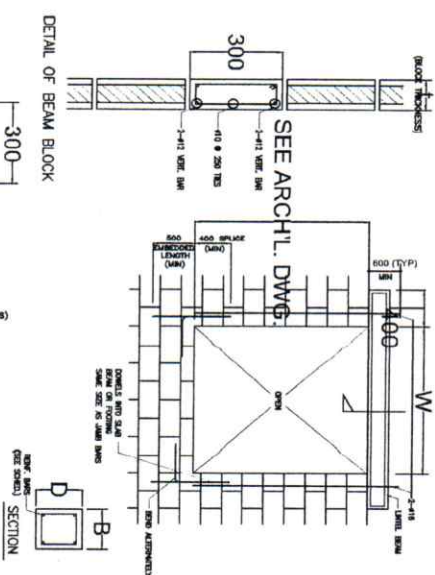
DESIGNED BY: DOUGLAS R. ALLEN, CIVIL ENGINEER  
 APPROVED BY: JASON E. BARRON, PE, CIVIL ENGINEER  
 PROJECT NO.: D-2009-01  
 DATE: 21/12

OFFICE OF PHYSICAL PLANT AND FACILITIES  
 LOCATION: ROMBION STATE UNIVERSITY - Main Campus, Leesburg, Ocala Area, Bushland

PLANS: FEW201  
 TIT: 21/12

# STRUCTURAL NOTES

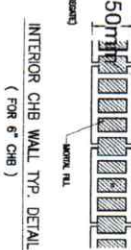
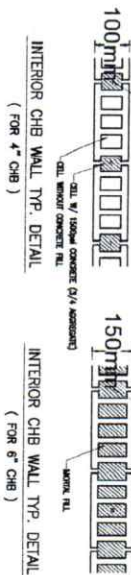
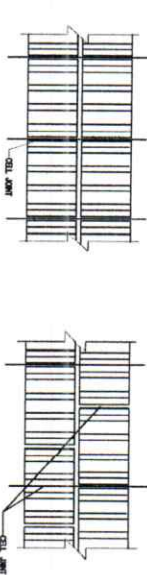
## GENERAL NOTES ON STRUCTURAL STEEL



UNITS: BEAM SCHEDULE

#	B	D	REIN. UNITS
2000	"	200	4-#12 W/ #10 @ 200
OR LESS	"	200	STRIP/PLATE
3000	"	300	4-#16 W/ #10 @ 200
			STRIP/PLATE

NOTE:  
 a) ONE BAR FOR OPENING SIZE  
 MIN. 200 VERT. & HORIZ.  
 b) "Y" THICKNESS OF WALL



NOTE:  
 THE WALLS LAYOUT IS IN ACCORDANCE WITH THE ARCHITECTURAL DRAWINGS FOR CONCRETE, LAYOUT (SHOWN) REFER TO S-5 WORKING DRAWING.

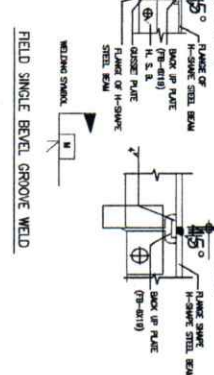
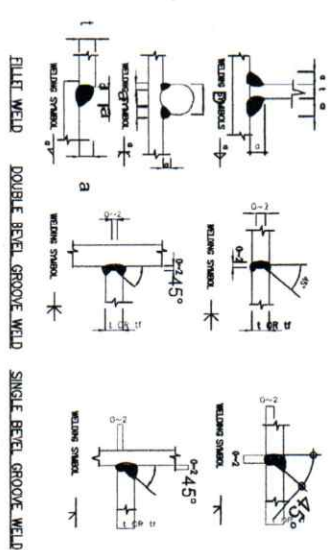
## CONCRETE MASONRY UNIT

## REFERENCE GUIDE SYMBOLS

FOR THE PURPOSE OF GIVING FURTHER DETAILS, SECTIONAL VIEWS AND STANDARDIZED TYPES TO BE REFERRED TO AS DESCRIBED BELOW ARE USED IN THE RELATED ENGINEERING DRAWINGS TO MAKE THE REFERENCE RELATION SIMPLE AND CLEAR.

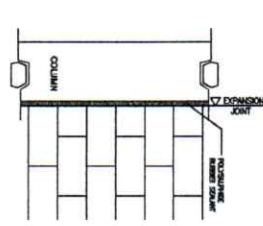


## GENERAL NOTES ON STRUCTURAL STEEL



WELDING TYPE OF H-SHAPE FLANGE	WELDING TYPE	WELDING SYMBOLS
THK. OF FLANGE	WELDING TYPE	WELDING SYMBOLS
0	SINGLE BEVEL GROOVE WELD	Symbol
1/4" TH	DOUBLE WELD	Symbol
1/2" TH	GROOVE WELD	Symbol

## STANDARDIZED WELDS



## MISCELLANEOUS DETAIL

PREPARED BY: **CELE ENGINEERS** PROJECT TITLE: **REHABILITATION AND FINISHING OF OLD/EXISTING UNIVERSITY LIBRARY**

**LOMBLON STATE UNIVERSITY**

**OFFICE OF PHYSICAL PLANT AND FACILITIES**

PROJ. REG. NO. **02915133** DATE: **2/11/21**  
 DRAWN BY: **FEKAYON** T.N.

APPROVED BY: **LANSAN E. RUTON**  
 PROJECT ENGINEER

LOCATION: **LOMBLON STATE UNIVERSITY - Main Campus, Laramie, Wyoming, 82001**

AS SHOWN  
 CAD OPERATOR: **BSSC / SLIM**  
 JOB NO.:  
 DATE:

