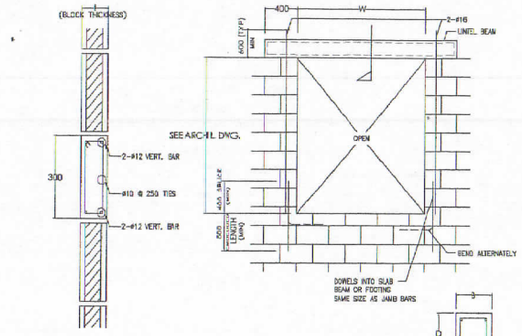
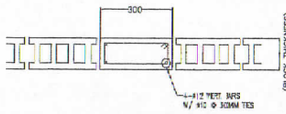
STRUCTURAL NOTES



DETAIL OF BEAM BLOCK



DETAIL OF POST

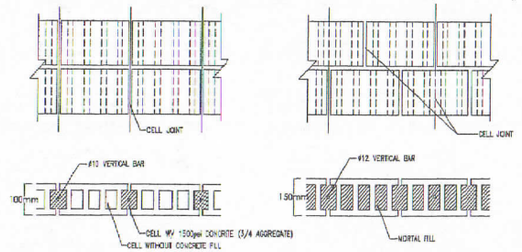
LINTEL BEAM SCHEDULE

W	B	D	REINF. BARS
2000 OR LESS	"t"	250	4-#12 W/ #10 @ 200 STIRRUPS
3000	"t"	300	4-#16 W/ #10 @ 200 STIRRUPS

NOTE:

a) OMIT BARS FOR OPENING LESS THAN 200 VERT. & HOR.

b) "t" THICKNESS OF WALL



INTERIOR CHB WALL TYP. DETAIL
(FOR 4" CHB)

INTERIOR CHB WALL TYP. DETAIL
(FOR 6" CHB)

NOTE:
THIS PARALLEL LAYOUT IS AN OPTION.
FOR CONVENTIONAL LAYOUT (STAGGERED)
REFER TO S-2 MASONRY BLOCK WALL

1 CONCRETE MASONRY UNIT

GENERAL NOTES ON STRUCTURAL STEEL

1. ALL MATERIALS SHALL BE CONFORM TO THE FOLLOWING UNLESS OTHERWISE NOTED:

STRUCTURAL STEEL	:	ASTM A36 OR APPROVED EQ
STRUCTURAL STEEL PIPE	:	ASTM A53 Gr.B/A501 OR APPROVED EQ
HIGH STRENGTH BOLT	:	ASTM A325N GRADE A OR APPROVED EQ
ORDINARY STRUCTURAL BOLT	:	ASTM A307 TYPE A OR APPROVED EQ
CHECKERED PLATE	:	ASTM A36 OR APPROVED EQ
GRATING	:	ASTM A36 OR APPROVED EQ
ELECTRODES	:	ASTM D1.1 E70XX OR APPROVED EQ

2. HIGH STRENGTH BOLTS

(a) HIGH STRENGTH BOLTS SHALL BE USED IN BEARING TYPE CONNECTIONS. BOLTS SHALL BE SNUG-TIGHT.

(b) FOLLOWING DIMENSIONS SHALL BE APPLIED UNLESS OTHERWISE NOTED.

	M16	M20	M22	M24
BOLT HOLE DIAMETER(MM)	18	22	24	26
STANDARD BOLT PITCH(MM)	50	60	70	80
STANDARD EDGE DISTANCE(MM)	30	35	40	45

3. ORDINARY STRUCTURAL BOLTS

(a) BOLT THREAD AND NUT SHALL BE CONFORM TO ANSI B1.1(1982) AND ANSI B18.2.2 (1983) OR ISO 262.

(b) DIMENSIONS OF BOLT HOLE DIAMETER, STANDARD BOLT PITCH AND STANDARD EDGE DISTANCE SHALL BE SAME TO THAT OF HIGH STRENGTH BOLTS.

4. LEG LENGTH OF FILLET WELD FOR GUSSET PLATE, RIB PLATE, BUTT PLATE AND STIFFENER PLATE, UNLESS OTHERWISE NOTED:

PLATE THICKNESS(MM)	LEG LENGTH(MM)
6	5
7	5
8	6
9	7
10	7
11	8
12	9
14	10
16	12

5. FABRICATION AND ERECTION TOLERANCE SHALL BE CONFORM TO THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC).

6. PAINTING

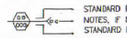
STRUCTURAL STEEL HAD BEEN SURFACE PREPARED AND PAINTED IN ACCORDANCE WITH THE CONSTRUCTION SPECIFICATION.

REFERENCE GUIDE SYMBOLS

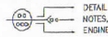
FOR THE PURPOSE OF GUIDING FURTHER DETAILS, SECTIONAL VIEWS AND STANDARDIZED TYPES TO BE REFERRED "REFERENCE GUIDE SYMBOLS" AS DESCRIBED BELOW ARE USED IN THE RELEVANT ENGINEERING DRAWINGS TO MAKE THE REFERENCE RELATION SIMPLE AND CLEAR.

SYMBOL COLUMN EXPLANATION

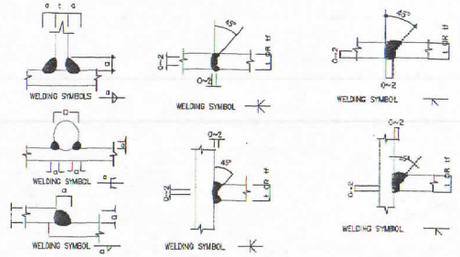
1.) SYMBOL TO GUIDE STANDARD DETAIL



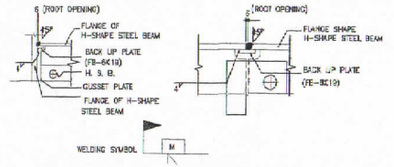
2.) SYMBOL TO GUIDE INDIVIDUAL DETAIL OR SECTIONAL VIEW WHICH ARE NOT STANDARDIZED



2 GENERAL NOTES ON STRUCTURAL STEEL



FILLET WELD DOUBLE BEVEL GROOVE WELD SINGLE BEVEL GROOVE WELD



FIELD SINGLE BEVEL GROOVE WELD

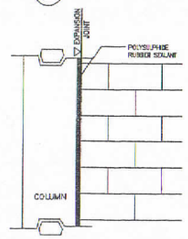
WELDING TYPE OF H-SHAPE FLANGE

THK. OF PLATE (t)	WELDING TYPE	WELDING SYMBOLS
tf ≤ 16	SINGLE BEVEL GROOVE WELD	2 45°
tf > 16	DOUBLE WELD GROOVE WELD	2 45°

WELDING TYPE OF RIB PLATE, H-SHAPE WEB OR GUSSET PLATE

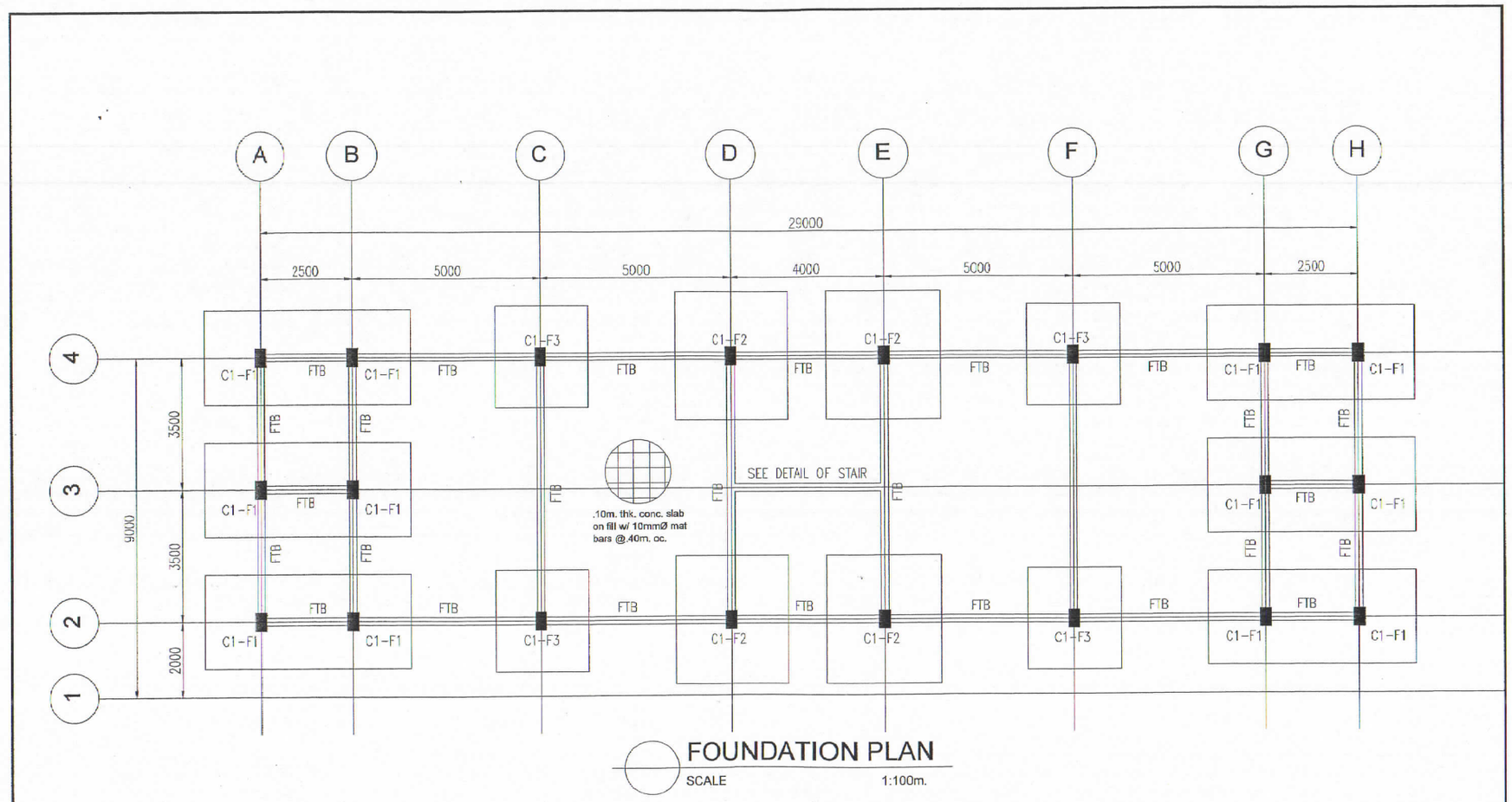
THK. OF PLATE (t)	WELDING TYPE	WELDING SYMBOLS
t ≤ 12	FILLET WELD	
12 < t ≤ 16	SINGLE BEVEL GROOVE WELD	2 45°
t > 16	DOUBLE WELD GROOVE WELD	2 45°

3 STANDARDIZED WELDS



4 MISCELLANEOUS DETAIL
(WALL EXPANSION JOINT)

JEFF ARCHITECTURAL & ENGINEERING SERVICES	ARCHITECT'S LICENSE: JUVY F. FADERAGAYA	ENGINEER'S LICENSE: JASON B. FALCUNIT	PROJECT TITLE: PROPOSED: PROPOSED 2-STOREY ACADEMIC BUILDING	ROMBLON STATE UNIVERSITY OFFICE OF AUXILLIARY, PLANT SERVICES AND POLLUTION CONTROL UNIT	CHECKED BY: JEROME ADOLFO F. FAJARITO, APSPCO – DIRECTOR	APPROVED BY: ARNULFO F. DE LUNA, RSU – PRESIDENT	SHEET CONTENTS: STRUCTURAL NOTES	SHEET NO. S-5 / S-13
	PRC : 0013621 P.T.R. NO.: 8390180	PRC : 0147C P.T.R. NO.: 8029440						
	DATE : 01-20-16 PLACE : ODIONGAN	DATE : 12-2-18 PLACE : ODIONGAN						
	TAX IDEN. NO. : 185-429-257	TAX IDEN. NO. :	LOCATION: ROMBLON STATE UNIVERSITY-DAUDDOH CAMPUS/ODIONGAN/ODIONGAN/ROMBLON					



FOUNDATION PLAN

SCALE 1:100m.

JEFF ARCHITECTURAL & ENGINEERING SERVICES RESIDENTIAL/BUILDING DESIGN, ENGINEERING-STRUCTURAL DESIGN AND ANALYSIS PROJECT MANAGEMENT AND CONSTRUCTION CABAWAN, ODIONGAN, ROMBLON	ARCHITECT'S LICENSE: JUVY F. FABROGAYA PRC : 0013621 P.T.R. NO.: 8390180 DATE : 01-20-16 PLACE : ODIONGAN TAX IDEN. NO. : 185-429-257	ENGINEER'S LICENSE: JASON T. FALCUNA PRC : 014708 P.T.R. NO.: 8029440 DATE : 12-2-16 PLACE : ODIONGAN TAX IDEN. NO. :	PROJECT TITLE: PROPOSED: PROPOSED 2-STOREY ACADEMIC BUILDING LOCATION: ROMBLON STATE UNIVERSITY-ODIONGAN CAMPUS,POBLACION,ODIONGAN,ROMBLON	ROMBLON STATE UNIVERSITY OFFICE OF AUXILLIARY, PLANT SERVICES AND POLLUTION CONTROL UNIT	CHECKED BY: JEROME ADOLFO F. FAJARITO APSPCO – DIRECTOR	APPROVED BY: ARNOLD F. DE LUNA RSU – PRESIDENT	SHEET CONTENTS: FOUNDATION PLAN	SHEET NO. S-6 S-13