



REPUBLIC OF THE PHILIPPINES
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
REGION XI
DAVAO DEL NORTE
DISTRICT ENGINEERING OFFICE
TAGUM CITY

F.Y. 2025 GAA PROJECT
DETAILED ENGINEERING DESIGN PLAN FOR
**CONSTRUCTION OF MULTI-PURPOSE BUILDING,
PUROK 4A, BARANGAY CANOCOTAN, TAGUM
CITY, DAVAO DEL NORTE**

PROJECT NAME

TAGUM CITY, DAVAO DEL NORTE
LOCATION

SUBMITTED

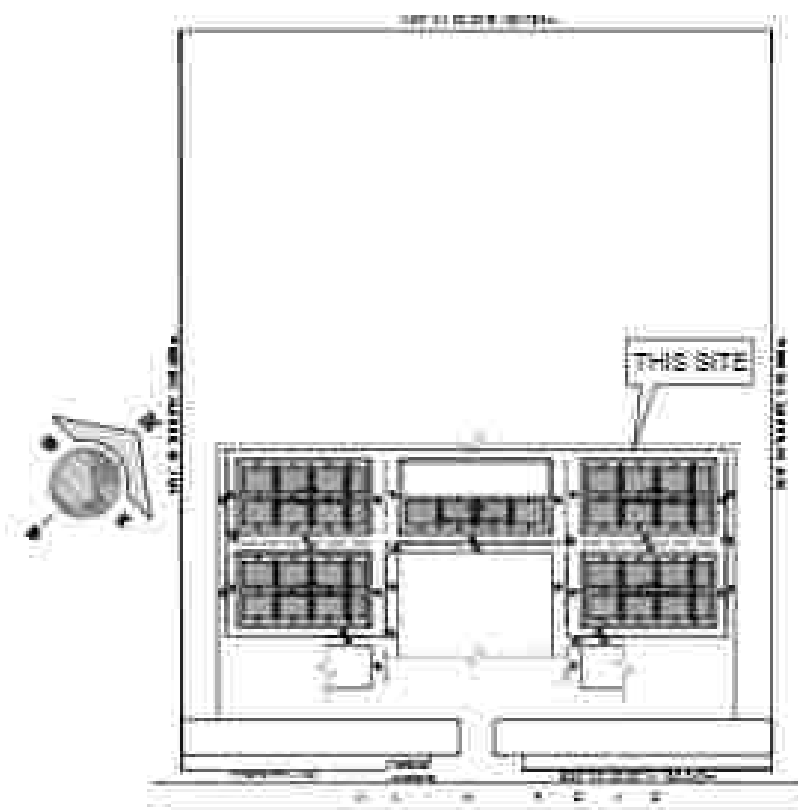

CHESTER P. BALAGUING
REGISTERED
CIVIL ENGINEER
DATE

RECOMMENDED


LEO ACER A. MABANGULO
REGISTERED CIVIL
ENGINEER
OFFICE OF THE ASSISTANT DISTRICT ENGINEER
DATE

APPROVED

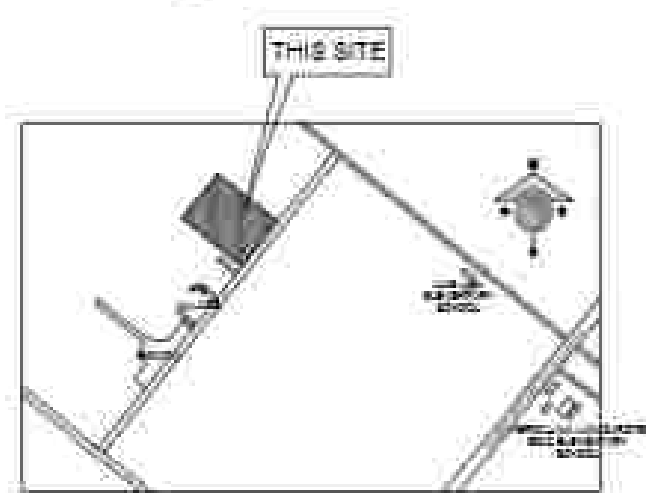

EDNA O. MONTILDE
REGISTERED CIVIL
ENGINEER
DATE



SITE DEVELOPMENT PLAN
1/2" = 1' (SCALE)



LOCATION PLAN
1/2" = 1' (SCALE)



VICINITY MAP
1/2" = 1' (SCALE)

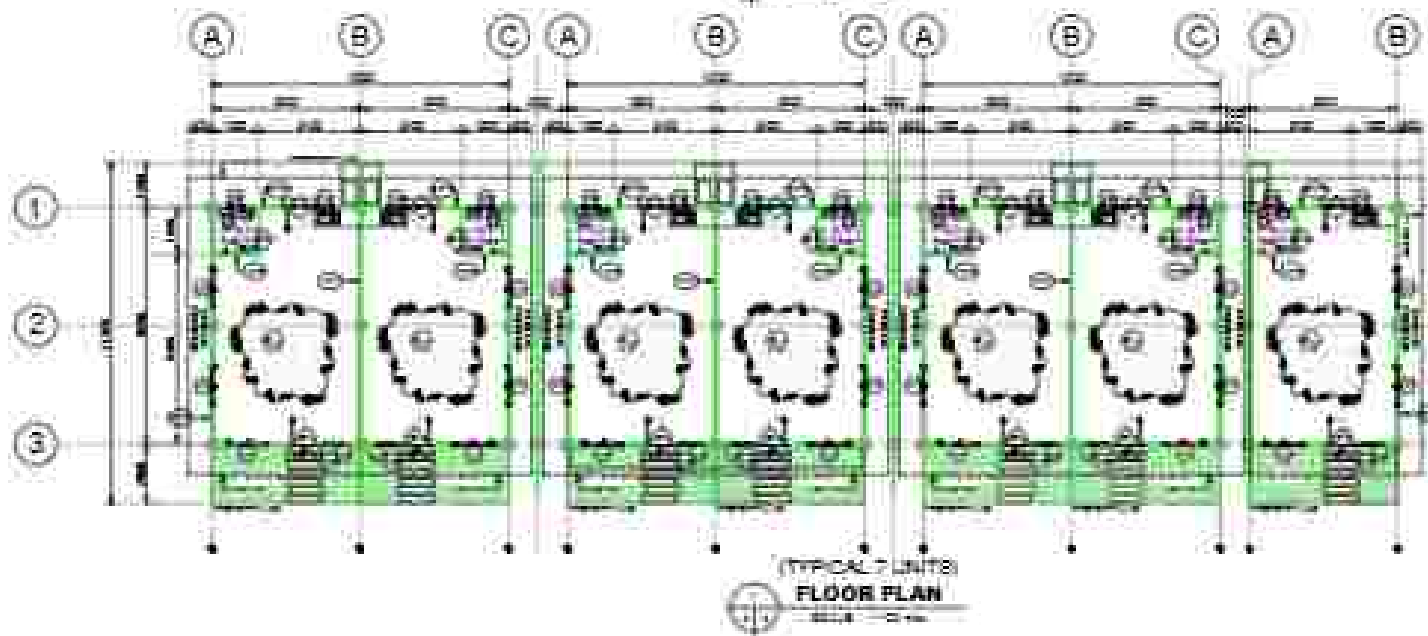
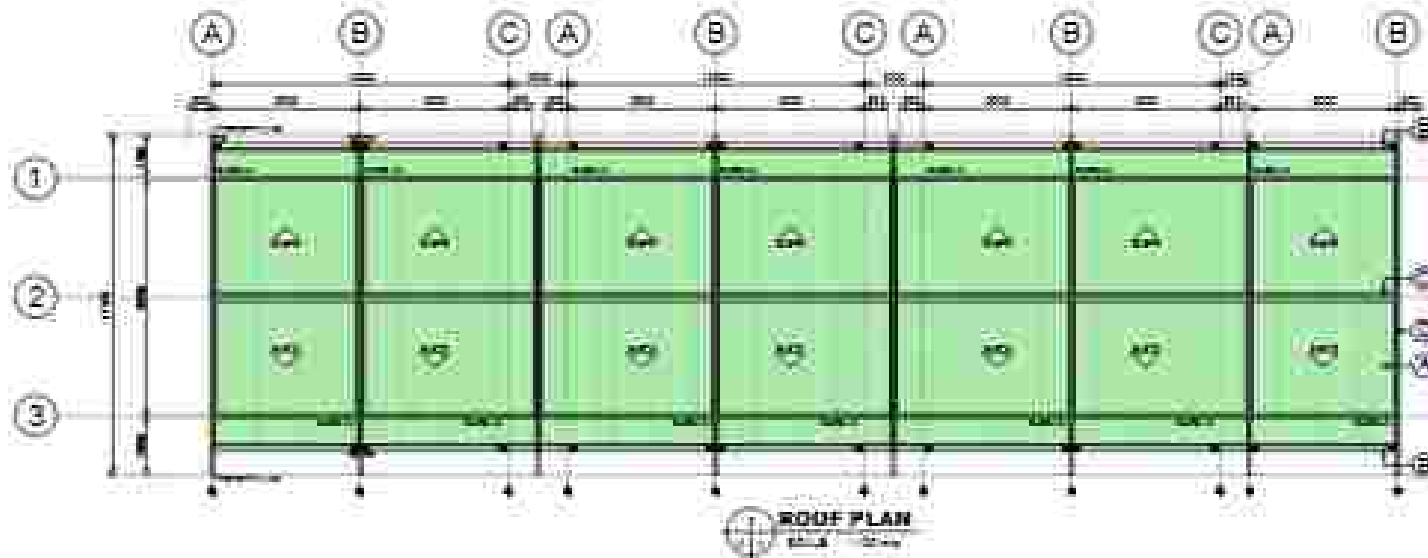
CITY OF DALLAS DEPARTMENT OF PUBLIC WORKS 2024 CITY ENGINEER'S OFFICE	CONSTRUCTION OF MULTI-PURPOSE BUILDING AT BROAD AND GRAY CROSSCUTS, DALLAS CITY, DALLAS, TEXAS	PREPARED BY [Signature]	DESIGNED BY [Signature]	ENGINEERED BY [Signature]	ARCHITECT [Signature]	LANDSCAPE ARCHITECT [Signature]	PLANNING [Signature]	1 E
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Year	Country	Population (millions)	Urban population (millions)	Urban population (%)	Population density (per sq km)	Urban population density (per sq km)	Population growth rate (%)	Urban population growth rate (%)	Population doubling time (years)	Urban population doubling time (years)
1950	United States	150	100	67	30	100	1.2	1.2	58	58
1950	United Kingdom	55	35	64	240	240	0.8	0.8	88	88
1950	France	45	25	56	100	100	0.7	0.7	100	100
1950	Germany	50	30	60	200	200	0.6	0.6	117	117
1950	Italy	45	20	44	180	180	0.5	0.5	141	141
1950	Japan	90	40	44	330	330	0.4	0.4	173	173
1950	Canada	25	10	40	30	30	0.3	0.3	231	231
1950	Sweden	8	4	50	150	150	0.2	0.2	354	354
1950	Norway	3	1	33	100	100	0.1	0.1	700	700
1950	Denmark	2	1	50	150	150	0.1	0.1	700	700
1950	Finland	3	1	33	100	100	0.1	0.1	700	700
1950	Switzerland	2	1	50	150	150	0.1	0.1	700	700
1950	Australia	10	5	50	30	30	0.1	0.1	700	700
1950	New Zealand	2	1	50	150	150	0.1	0.1	700	700
1950	South Africa	4	2	50	150	150	0.1	0.1	700	700
1950	India	360	100	28	150	150	1.8	1.8	39	39
1950	China	550	100	18	120	120	1.5	1.5	46	46
1950	USSR	160	80	50	80	80	1.2	1.2	58	58
1950	Brazil	70	20	29	100	100	2.5	2.5	28	28
1950	Argentina	15	5	33	100	100	2.0	2.0	35	35
1950	Chile	5	2	40	100	100	1.5	1.5	46	46
1950	Colombia	10	3	30	100	100	1.8	1.8	39	39
1950	Venezuela	10	3	30	100	100	2.0	2.0	35	35
1950	Peru	15	5	33	100	100	1.5	1.5	46	46
1950	Ecuador	5	2	40	100	100	1.8	1.8	39	39
1950	Bolivia	5	2	40	100	100	1.5	1.5	46	46
1950	Paraguay	3	1	33	100	100	1.2	1.2	58	58
1950	Uruguay	2	1	50	150	150	1.5	1.5	46	46
1950	Costa Rica	1	0.5	50	150	150	1.2	1.2	58	58
1950	Panama	0.5	0.2	40	100	100	1.0	1.0	70	70
1950	Cuba	0.5	0.2	40	100	100	1.0	1.0	70	70
1950	Haiti	0.5	0.1	20	100	100	0.8	0.8	88	88
1950	Dominican Republic	0.5	0.1	20	100	100	0.8	0.8	88	88
1950	Jamaica	0.5	0.1	20	100	100	0.8	0.8	88	88
1950	Trinidad and Tobago	0.5	0.1	20	100	100	0.8	0.8	88	88
1950	Guyana	0.5	0.1	20	100	100	0.8	0.8	88	88
1950	Suriname	0.5	0.1	20	100	100	0.8	0.8	88	88
1950	Guatemala	5	1	20	100	100	1.0	1.0	70	70
1950	El Salvador	2	0.5	25	100	100	1.0	1.0	70	70
1950	Honduras</									



1000





REVISIONS	
NO.	DESCRIPTION
1	ISSUED FOR PERMIT
2	ISSUED FOR CONSTRUCTION
3	ISSUED FOR CONSTRUCTION
4	ISSUED FOR CONSTRUCTION
5	ISSUED FOR CONSTRUCTION
6	ISSUED FOR CONSTRUCTION
7	ISSUED FOR CONSTRUCTION
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13	ISSUED FOR CONSTRUCTION
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16	ISSUED FOR CONSTRUCTION
17	ISSUED FOR CONSTRUCTION
18	ISSUED FOR CONSTRUCTION
19	ISSUED FOR CONSTRUCTION
20	ISSUED FOR CONSTRUCTION



OFFICE OF THE CITY CLERK
CITY OF CHICAGO
100 N. LAKE STREET, 10TH FLOOR
CHICAGO, IL 60602

CONSTRUCTION OF
MULTI-PURPOSE BUILDING AT
1000 N. LAKE STREET, CHICAGO, ILL.
CITY OF CHICAGO

1000 N. LAKE STREET
CHICAGO, ILL. 60602

1000 N. LAKE STREET
CHICAGO, ILL. 60602

1000 N. LAKE STREET
CHICAGO, ILL. 60602

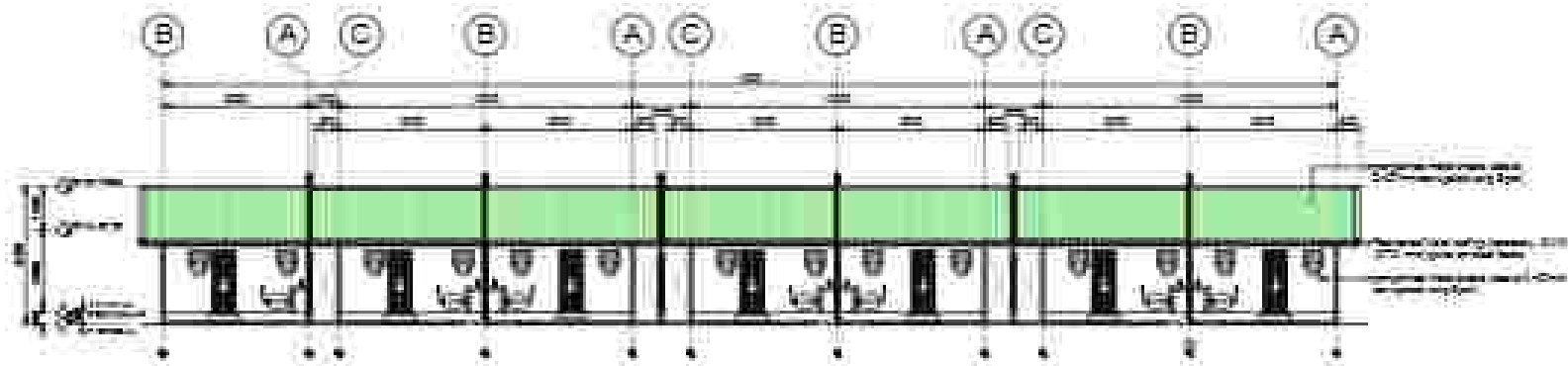
1000 N. LAKE STREET
CHICAGO, ILL. 60602

1000 N. LAKE STREET
CHICAGO, ILL. 60602

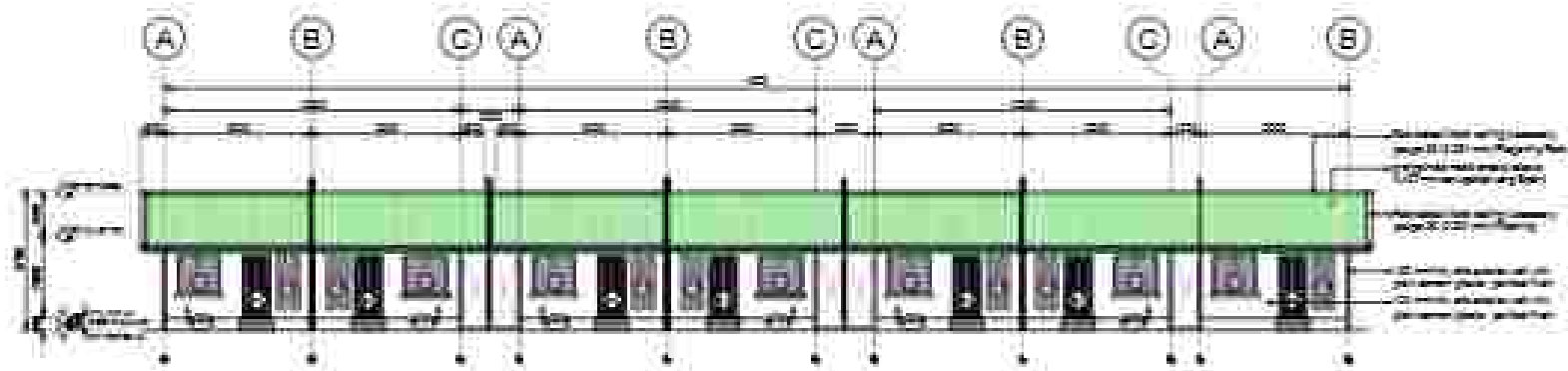
1000 N. LAKE STREET
CHICAGO, ILL. 60602

1000 N. LAKE STREET
CHICAGO, ILL. 60602

1000 N. LAKE STREET
CHICAGO, ILL. 60602



REAR ELEVATION
SCALE: 1:100



FRONT ELEVATION
SCALE: 1:100

REAR ELEVATION	
DATE	2023/03/10
ROOM	
A	1. ROOF STRUCTURE
B	2. ROOF STRUCTURE
C	3. ROOF STRUCTURE
FRONT ELEVATION	
A	1. ROOF STRUCTURE
B	2. ROOF STRUCTURE
C	3. ROOF STRUCTURE
REAR ELEVATION	
A	1. ROOF STRUCTURE
B	2. ROOF STRUCTURE
C	3. ROOF STRUCTURE



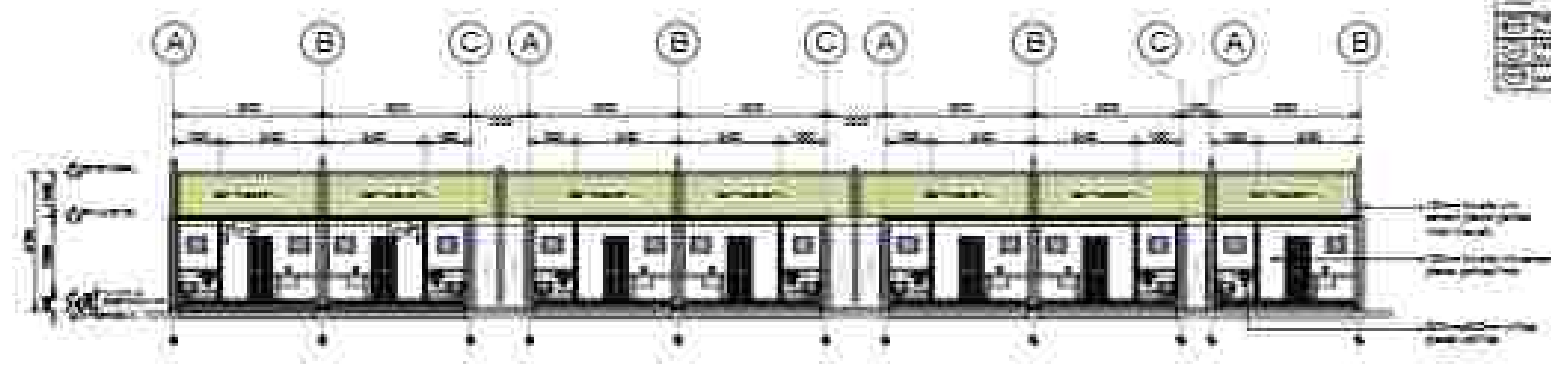
MINISTRY OF EDUCATION AND HIGHER EDUCATION
STATE OF PALESTINE
JERUSALEM

CONSTRUCTION OF
MULTI-PURPOSE BUILDING AT
BORD AL-BAYT, CHANDQATAN,
TALAB CITY, BAHIG SOU. HOPE

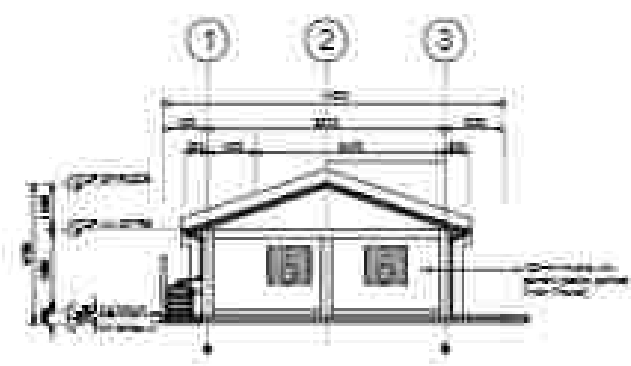
ARCHITECT
DR. HANAN AL-KHAYAT



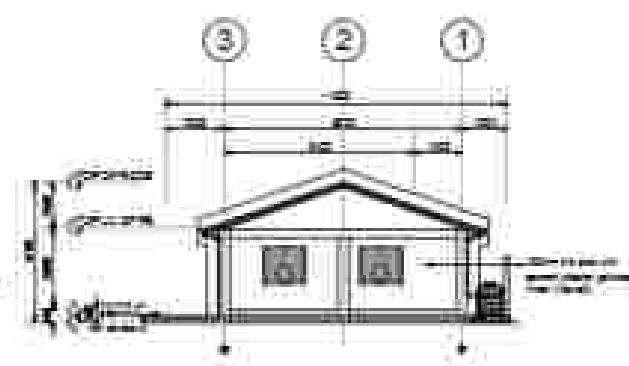
REVISIONS	
NO.	DESCRIPTION
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2	REVISED FOR COMMENTS
3	REVISED FOR COMMENTS
4	REVISED FOR COMMENTS
5	REVISED FOR COMMENTS



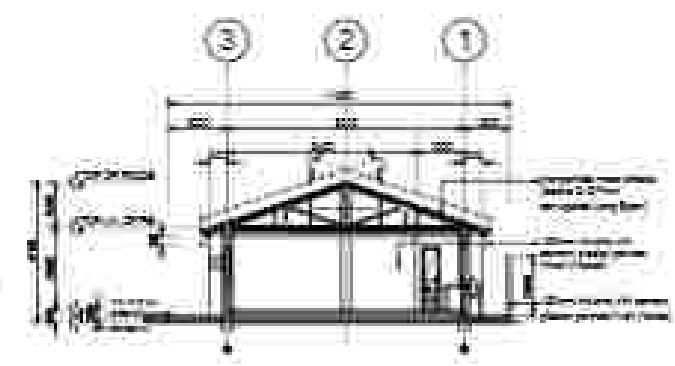
LONGITUDINAL SECTION
SCALE: 1/8"=1'-0"



RIGHT SIDE ELEVATION
SCALE: 1/8"=1'-0"



LEFT SIDE ELEVATION
SCALE: 1/8"=1'-0"



CROSS SECTION
SCALE: 1/8"=1'-0"

	CONSTRUCTION OF MULTI-PURPOSE BUILDING AT EDGEHILL CEMETERY, CHANDLER, CALIFORNIA	DESIGNED BY J. R. HARRIS & ASSOCIATES ARCHITECTS						1 E	AS E
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Figure 1 shows a schematic diagram of the experimental setup. A horizontal beam is supported by two vertical stands. A weight hanger is suspended from the beam. A force transducer is connected to the beam and a data acquisition system. Dimensions are indicated: 100 mm for the distance from the left support to the weight hanger, and 100 mm for the distance from the weight hanger to the force transducer. The force transducer is labeled 'FORCE TRANSDUCER' and 'DATA ACQUISITION SYSTEM'.

[illegible]

Technical drawing of a stepped block. The block has a total length of 100, a total width of 50, and a total height of 50. The front face features a step that is 20 units wide and 20 units high from the left edge. The top surface of the block is divided into three sections: a 20-unit wide section on the left, a 40-unit wide section in the middle, and a 20-unit wide section on the right. The right side of the block is a vertical face 50 units high.

 DEPARTMENT OF PUBLIC WORKS AND ENGINEERING CITY OF LOS ANGELES	CONSTRUCTION OF MULTI-PURPOSE BUILDING AT BUREAU BLVD. & CHANDLER TRUCKEE CITY, INLAND EMPIRE	APPROVED FOR THE CITY ENGINEER						1 E	A7 123
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SPOT DETAIL
NOT TO SCALE

ELEVATION DETAIL
SECTION - E-10000



PLAN DETAIL
OF EARTH

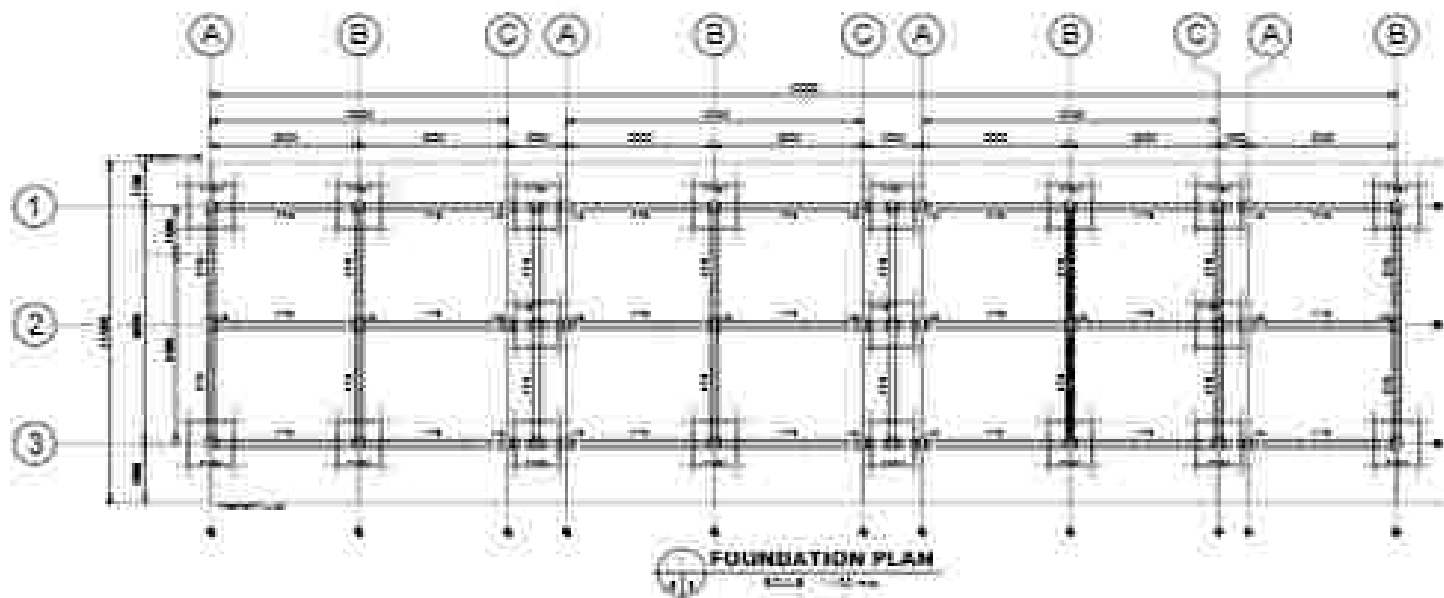
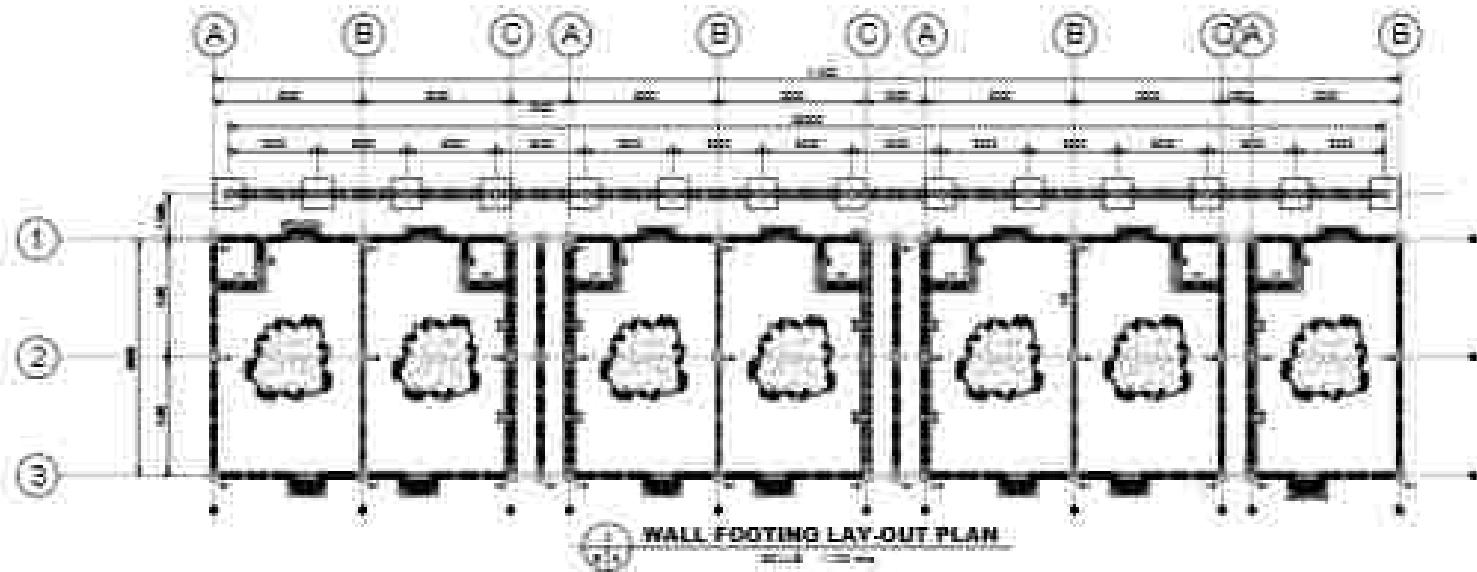
FRONT ENTRANCE


CUT-SECTION DETAIL
 (SEE FIG. 1)

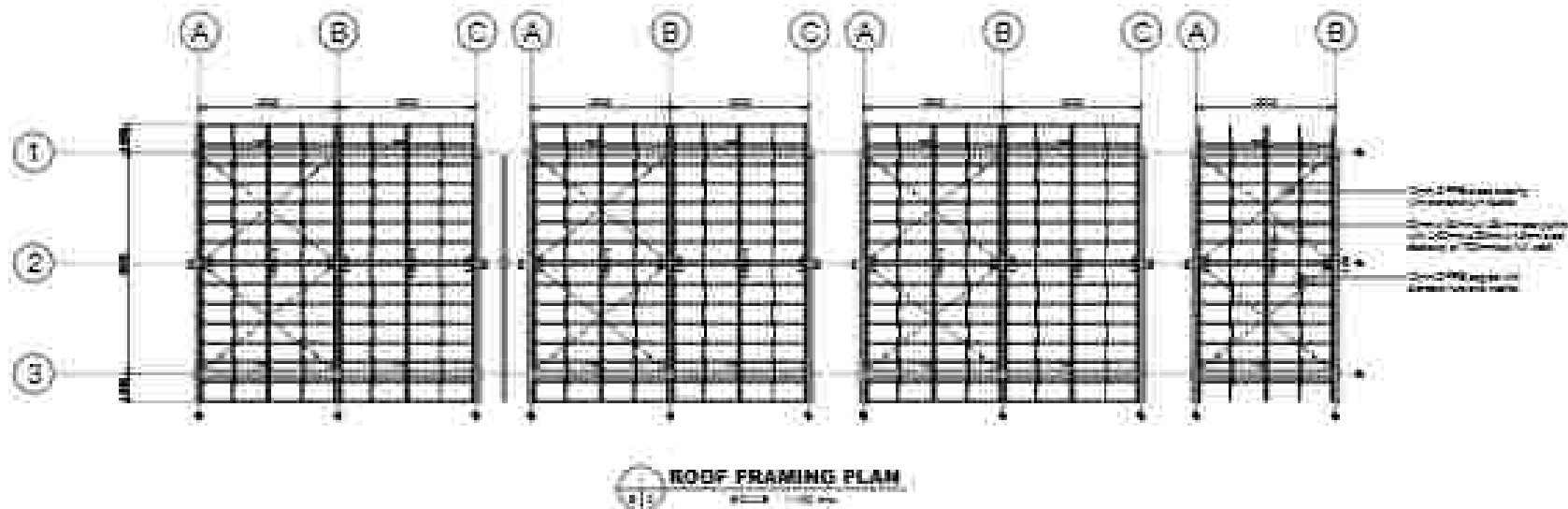
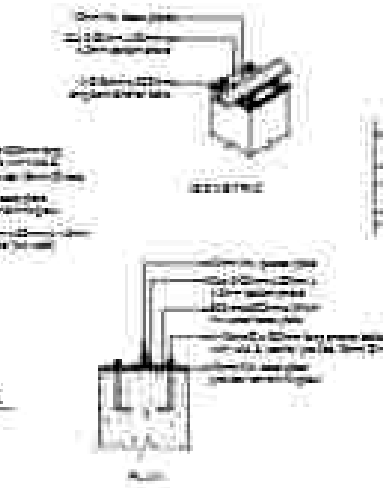
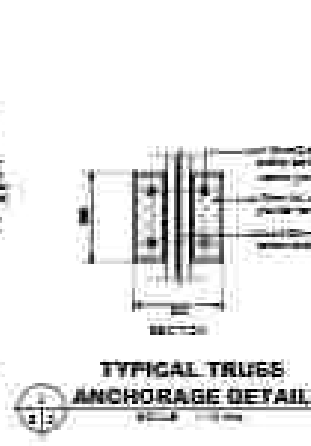
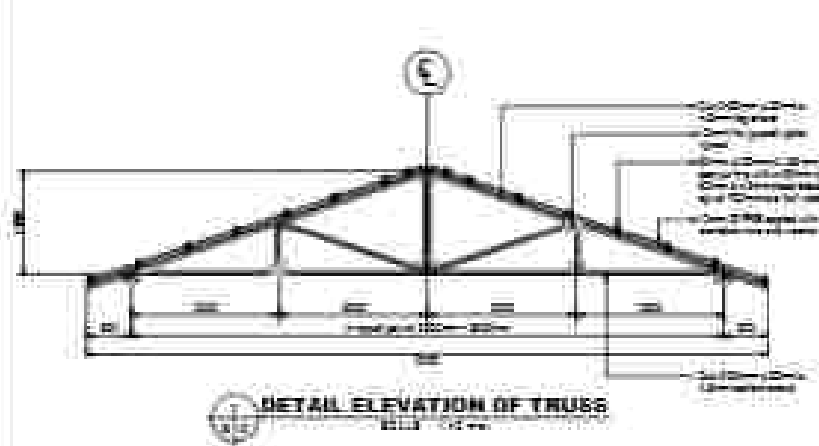
THROUGH CANAL DETAIL

SECTION DETAIL OF JOINING COURTS

NAME		DATE
F1		F2
F3		F4
F5		F6
F7		F8
F9		F10
F11		F12
F13		F14
F15		F16
F17		F18
F19		F20
F21		F22
F23		F24
F25		F26
F27		F28
F29		F30
F31		F32
F33		F34
F35		F36
F37		F38
F39		F40
F41		F42
F43		F44
F45		F46
F47		F48
F49		F50
F51		F52
F53		F54
F55		F56
F57		F58
F59		F60
F61		F62
F63		F64
F65		F66
F67		F68
F69		F70
F71		F72
F73		F74
F75		F76
F77		F78
F79		F80
F81		F82
F83		F84
F85		F86
F87		F88
F89		F90
F91		F92
F93		F94
F95		F96
F97		F98
F99		F100



 MINISTRY OF HOUSING AND URBAN DEVELOPMENT GOVERNMENT OF INDIA	CONSTRUCTION OF MULTI-PURPOSE BUILDING AT BUDGE WILDRAY CHANDOSAN, INDIAN CITY, BANGALORE, INDIA	PROJECT NO. 100/100/100						2/10/2023
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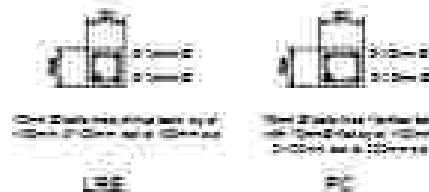
MINISTRY OF HOUSING AND URBAN AFFAIRS GOVERNMENT OF INDIA	CONSTRUCTION OF MULTI-PURPOSE BUILDING AT BUDGE WILDER CHANDIOAN, TALUKA CITY, DISTRICT SOLAPUR	PROJECT NO. 10/2019/1000 DATE OF APPROVAL: 10/10/2019						2 E SS 10/20
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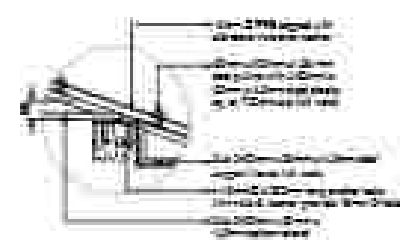
ISOMETRIC DETAIL
SCALE: 1/2"=1'-0"



CONNECTION OF PURLINE TO LRB
SCALE: 1/2"=1'-0"



DETAIL SECTION OF LRB & PC
SCALE: 1/2"=1'-0"



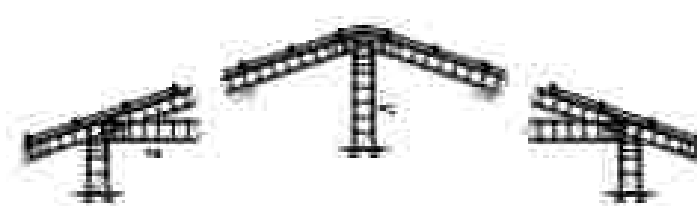
SPOT DETAIL - 5
SCALE: 1/2"=1'-0"



SPOT DETAIL - 5
SCALE: 1/2"=1'-0"



SPOT DETAIL - 4
SCALE: 1/2"=1'-0"



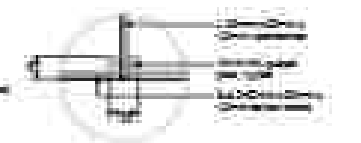
SECTION DETAIL
SCALE: 1/2"=1'-0"



SPOT DETAIL - 1
SCALE: 1/2"=1'-0"



SPOT DETAIL - 2
SCALE: 1/2"=1'-0"



SPOT DETAIL - 3
SCALE: 1/2"=1'-0"



MINISTRY OF PUBLIC WORKS AND URBANIZATION
GENERAL DIRECTORATE OF HIGHWAYS
GENERAL DIRECTORATE OF HIGHWAYS
GENERAL DIRECTORATE OF HIGHWAYS

CONSTRUCTION OF
MULTI-PURPOSE BUILDING AT
BURSA IN EAST ANATOLIAN
REGION CITY: BURSA

DESIGNED BY
PROJECTED BY
CHECKED BY
APPROVED BY

DESIGNED BY
PROJECTED BY
CHECKED BY
APPROVED BY

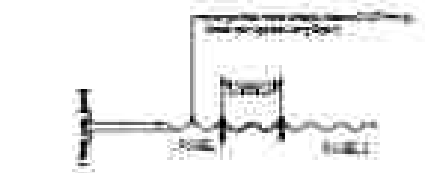
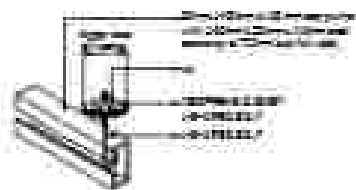
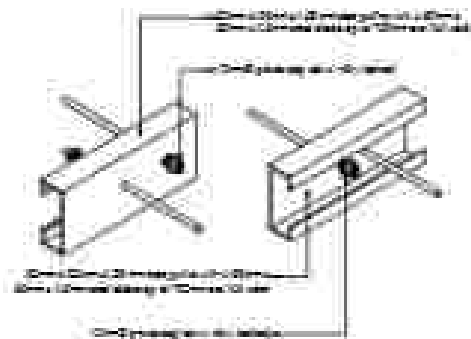
DESIGNED BY
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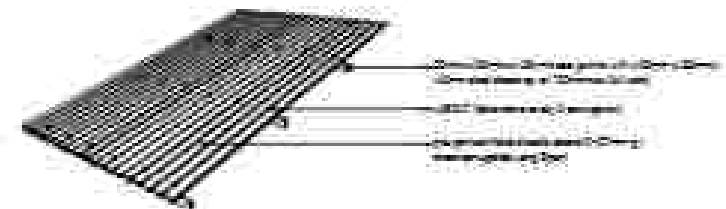
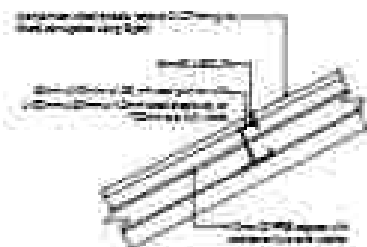
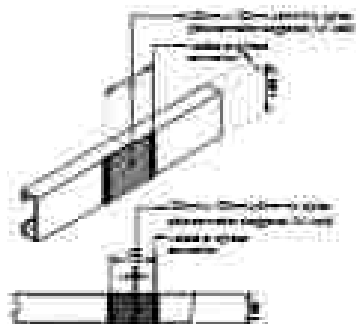
DESIGNED BY
PROJECTED BY
CHECKED BY
APPROVED BY



ROOFING FIXER DETAIL
SCALE 1:10

BOLT SPACING
SCALE 1:10

ROOF PANEL SIDE LAP DETAIL
SCALE 1:10



PURLIN SPLICE
SCALE 1:10

CONNECTION OF G.I. SHEET ROOFING TO PURLINE
SCALE 1:10

ISOMETRIC VIEW OF CONNECTION OF ROOFING TO PURLINE
SCALE 1:10

TYPICAL TRUSS SPLICE DETAIL
SCALE 1:10



MINISTRY OF EDUCATION
GOVERNMENT OF KARNATAKA
BANGALORE
KARNATAKA

CONSTRUCTION OF
MULTI-PURPOSE BUILDING AT
BUDGE, H. S. ROAD, CHANDIOOTAN,
TALUKA CITY, BANGALORE HOBBY

DESIGNED BY
ENGINEER
DRAWN BY
CHECKED BY
APPROVED BY

DESIGNED BY
ENGINEER
DRAWN BY
CHECKED BY
APPROVED BY

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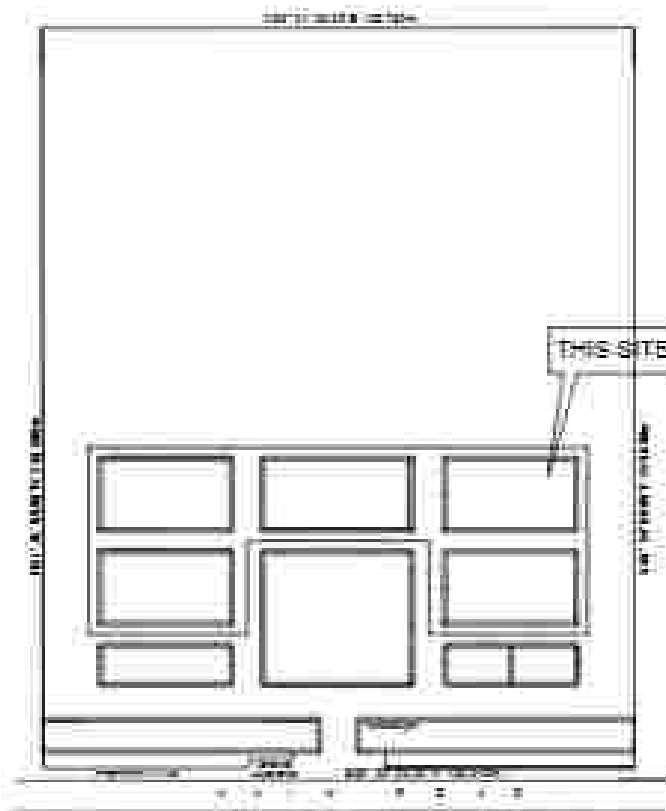
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ENGINEER
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2
E

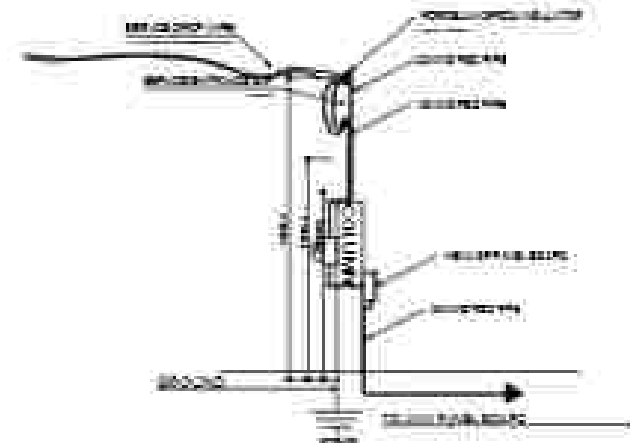
18/12/20

[illegible]

LEGEND	
	NAME
	DESCRIPTION
	ADDRESS
	PHONE NUMBER
	FAX NUMBER
	E-MAIL ADDRESS
	WEB SITE
	BUSINESS HOURS
	MAP LOCATION
	NOTES
	LOGO
	IMAGE



ELECTRICAL LOCATION PLAN



SERVICE ENTRANCE PEDESTAL PLAN

[illegible]

CONSTRUCTION OF
MULTI-PURPOSE BUILDING AT
BUREAU OF ENERGY, CHOCOMA
TAMBO CITY, TAMBO DIST. ROAD

1. **NAME**
 2. **ADDRESS**
 3. **CITY**
 4. **STATE**
 5. **ZIP**

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